GROUNDWATER RESOURCE INVESTIGATION
NEW BALTIMORE SERVICE DISTRICT
New Baltimore, Virginia

RESULTS OF PUMPING TESTS on WELLS E-1, E-6, E-7 and M-6a

Submitted to

COUNTY OF FAUQUIER
and
FAUQUIER COUNTY
WATER AND SANITATION AUTHORITY

VOLUME II -- APPENDICES A-G

March, 1995

Presented by

EMERY & GARRETT GROUNDWATER, INC.
170 Waukewan Street
Meredith, New Hampshire 03253
(603) 279-4425

with operation centers in

Chantilly, Virginia Alpharetta, Georgia Waterville, Maine

GROUNDWATER RESOURCE INVESTIGATION
NEW BALTIMORE SERVICE DISTRICT
New Baltimore, Virginia

VOLUME II -- APPENDICES A-G

APPENDIX A
Hydrogeologic Borehole Logs, GW-2 Forms, and Water Chemistry following Drilling for Production and Test Wells

APPENDIX B
Requests for Permission to Access Domestic Wells
Well Completion Reports (Form GW-2) for the McDaniel, Miller, Mercado, and Gulledge Wells

APPENDIX C
Raw Water Level Data
Step Drawdown Tests on Production Wells E-1 and E-6

APPENDIX D
Raw Water Level Data for Constant Rate Pumping Test of Wells E-1, E-6, and E-7

APPENDIX E
Monitoring Well Response Plots

APPENDIX F
Raw Water Level Data
Production Well M-6a
Constant Rate Pumping Test

APPENDIX G
Water Quality Data for Production Wells E-1, E-6, E-7, and M-6a

APPENDIX A

HYDROGEOLOGIC BOREHOLE LOGS, GW-2 FORMS, and WATER CHEMISTRY FOLLOWING DRILLING FOR PRODUCTION AND TEST WELLS

(No Chemistry Available for Wells D-1a, D-2, D-2b, E-4)

TEST WELL D-1a

(No Chemistry Available)

HYDROGEOLOGIC BOREHOLE LOG FOR WELL D-1a in NEW BALTIMORE

Project: New Baltimore Service District
Driller: Singhas & Michael, Corp.
Geologist: K. C. Hardcastle, Ph.D.
Date Drilled: August 21-22, 1993

Well #: D-1a

TEST WELL DATA for Well#: D-1a
Static Water Level: Flowing
Depth to bedrock: 4'
Well Diameter: 6" **Air-Lift Yield : 18 gpm**
Total Depth: 700'
Casing Length: 48' x 6"

DEPTH (feet)	AIR-LIFT YIELD (gpm)	WELL LOG	DESCRIPTION (color/grain size/structure/composition/trace minerals)
0			BEDROCK at 4':Very weathered, dark olive green, faintly micaceous clayey siltstone and conglomerate. Most surfaces are rust- & black oxide-coated. Trace of water at 18'.
10			
20			30': Weathered, green-brown conglomerate. Silt to sand matrix with wide variety of clasts, mostly greenschist, greenstone, dirty quartzite, and micaceous/arkosic sandstone. All fragments have black oxide (?) surface coatings. 44': Dark reddish brown, moderately laminarly bedded, calcareous sandstone. Unweathered.
30			
40			
50			
60			60': Dark dusky grayish reddish brown thinly laminarly bedded calcareous fine sandstone.
70			
80			80': Increase in percent of lithic, coarse sand size clasts; trace pyrite
90			
100			100': Medium- and coarse-grained, non-calcareous sandstone.
110			110':Coarse-grained sandstone to gravelstone with greenstone clasts.
120			
130			
140			
150			
160			
170			170-179': Massive, poorly sorted conglomerate.
180	4		180': Dark dusky reddish gray-brown, moderately laminar to wavy-laminar bedded, micaceous, graphitic, medium grained sandstone. Small WATER-BEARING ZONE at 188'.
190			
200			
210			
220			
230			
240	12		Water slowly increased from 220' to 240'.
250			
260			
270			
280			270-286': Coarse-grained wacke.
290			286-326': Reddish brown green conglomerate. 40-60% greenschist clasts in dusky brown matrix.
300			
310			
320			
330			326-333': Dark slightly brownish gray, calcareous, poorly bedded medium-grained sandstone.
340			333-342': Conglomerate.
350			342-376': White to grayish white, medium- to coarse-grained, poorly bedded, quartz rich sandstone.
360			
370			
380			376-436': Dark green to greenish gray-black, medium- to fine-grained, massive, diabase. 1-8% fragments of coarse milky white dolomite+calcite (many with shear-like fabric).
390			
400			

Cuttings of bedrock collected at 10 foot intervals and at changes in lithology.

HYDROGEOLOGIC BOREHOLE LOG FOR WELL D-1a in NEW BALTIMORE

Project: New Baltimore Service District
Driller: Singhas & Michael, Corp.
Geologist: K. C. Hardcastle, Ph.D.
Date Drilled: August 21-22, 1993

Well #: D-1a

TEST WELL DATA for Well#: D-1a
Static Water Level: Flowing
Depth to bedrock: 4'
Well Diameter: 6" **Air-Lift Yield : 18 gpm**
Total Depth: 700'
Casing Length: 48' x 6"

DEPTH (feet)	AIR-LIFT YIELD (gpm)	WELL LOG	DESCRIPTION (color/grain size/structure/composition/trace minerals)
410			
420			
430			436-441': Sample is >80% milky white, coarse-crystalline dolomite+calcite. Many with fine crack-seal fabrics
440			(Shear zone ?). 441'-447': Dark greenish gray, very fine-grained basalt/siltstone/thermally metamorphosed
450			siltstone. 5% calcite fragments (apparently the chilled base of the diabase). 447-500': Dark to medium gray,
460			moderately laminarly (mm-scale) bedded, non-calcareous, non-micaceous, graphitic, fine- to medium-grained
470			sandstone. 2% calcite fragments.
480			
490			
500	13		507-508': >80% dolomite+calcite fracture-filling fragments (to 1cm). Fault/vein zone ?
510			510': 5% dolomite+calcite fracture-filling fragments.
520			526': Black to gray-black, non-calcareous, massive, very fine-grained siltstone/ thermally metamorphosed siltstone/
530			basalt (?) with 3% calcite fracture-filling fragments. 536': lost circulation - 2% (.5x1x1cm) blue-gray clay
540	15		fragments; rock is a fine-grained diabase. 540': Medium-grained diabase with 2% calcite-filled fractures. 550':
550			difficult drilling - large diabase fragments all with blue-green to black green chlorite and white calcite coated
560			fractures; a few black-green slickensides (Fault Zone). 556': fewer fractures (<20%). 558': Fine grained diabase
570			with 3% calcite fragments. 562': Black fine-grained diabase / thermally metamorphosed siltstone. 564': Black,
580			non-calcareous sandstone with 2% pyrite/chalcopyrite. 570': 4% pyrite/chalcopyrite coatings. 575': moderately
590			graphitic.
600			596': Dark grayish green, medium-grained wacke with 10% various rock fragments (conglomerate clasts?),
610			
620			618-630': Dark reddish brown, fine- to medium-grained sandstone. 630-638': Dark greenish brown, medium-
630			to coarse-grained wacke. 638-641': Dark greenish black to blackish gray, very fine- to fine-grained, massive
640			basalt with 8% epidote+calcite filled fractures. 641-648': Greenschist/green phyllite clast rich, massive
650			conglomerate. 648-652': Blackish gray fine- to medium-grained non-graphitic wacke. 652-653': Massive
660			conglomerate (breccia fragment). 653-700': Dark gray to brownish gray, slightly to moderately graphitic,
670			moderately laminar bedded lithic clast sandstone/wacke.
680			
690			
700	18		700': **END OF BORING. FINAL AIR-LIFT YIELD = 18 GPM.**

Cuttings of bedrock collected at 10 foot intervals and at changes in lithology.

VEIN - Milky white, medium- to coarse-crystalline, calcite +- dolomite vein fragments.
WATER BEARING ZONE - Fractures in rock where yield of well increased.

UNCONSOLIDATED OVERBURDEN - Weathered, dark olive green, micaceous, clayey saprolite after siltstone and conglomerate.

CONGLOMERATE - Overall dark greenish brown, massive and poorly sorted. Matrix is dark reddish brown fine- to coarse-grained sand; clasts are primarily greenschist to green-gray phyllites, but include sandstone, quartzite and quartz.

SANDSTONE - Dark dusky reddish to grayish brown, poorly to moderately laminar bedded, calcareous, locally graphitic, mostly fine- to medium-grained (locally coarse), sandstone.

WACKE - Dark dusky reddish and brownish gray, poorly to moderately wavy and laminar bedded, non-calcareous, lithic fragment-rich, medium- to coarse-grained sandstone to gravelstone.

DIABASE - Dark green to greenish black, massive, fine- to medium-grained diabase.

SANDSTONE - Black to dark gray, moderately laminarly (mm-scale) bedded, non-calcareous, non-micaceous, graphitic, fine- to medium-grained sandstone. Similar to WACKE but finer-grained.

BASALT - Black to greenish black, very fine- to fine-grained, massive basalt.

...n GW-2
...78-10,000

COMMONWEALTH OF VIRGINIA
WATER WELL COMPLETION REPORT

• BWCM No. _____

(Certification of Completion/County Permit)

...te Water Control Board
...O. Box 11143
2111 North Hamilton St.
...ichmond, Va. 23230

SWCB Permit _____
County Permit SD-93-

Certification of inspecting official:
This well does ____ does not ____ meet code/low requirements.
S. _____
Date _____
For Office Use

County/City Fauquier
County/City Stamp

...Virginia Plane Coordinates
_____ N
_____ E
...atitude & Longitude
_____ N
_____ W
...opo. Map No. _____
...Elevation _____ ft.
• Formation _____
• ...ithology _____
...iver Basin _____
...Province _____
• Type Logs _____
...uttings _____
...ater Analysis _____
• Aquifer Test _____

• Owner Fauquier County (Emery & Garrett job)
• Well Designation or Number # D1-A Well #6 drilled
Address P.O. Box 3047
Warrenton, VA 22186
Phone 349-2092 (Emery & Garrett-603-279-4425)

• Drilling Contractor SINGHAS & MICHAEL CORP.
Address RT. 3, BOX 5062
BERRYVILLE, VA 22611
Phone 703-955-3582

Tax Map I.D. No. 7906-04-5806
Subdivision _____
Section _____
Block _____
Lot _____
Class Well: I _____, IIA _____, IIB _____, IIIA _____, IIIB yes, IIIC _____, IIID _____, IIIE _____

WELL LOCATION: _____ (feet/miles) _____ (direction) of _____ and _____ feet/miles _____ (direction) of New Baltimore
(If possible please include map showing location marked)

Date started 8/20/93 • Date completed 8/22/93 Type rig air rotary

1. WELL DATA: New yes Reworked _____ Deepened _____
• Total depth 700' ft.
Depth to bedrock 36' ft.
Hole size (Also include reamed zones)
• _____ inches from _____ to _____ ft.
• 10 inches from 0 to 47 ft.
• 6 inches from 47 to 700 ft.
•Casing size (I.D.) and material
• 6 inches from +1 to 48 ft.
Material steel
Wt. per foor 18.97 or wall thickness .280 in.
• _____ inches from _____ to _____ ft.
Material _____
Wt. per foot _____ or wall thickness _____ in.
• _____ inches from _____ to _____ ft.
Material _____
Wt. per foot _____ or wall thickness _____ in.
•Screen size and mesh for each zone (where applicable)
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
•...avel pack
• From _____ to _____ ft.
• From _____ to _____ ft.
•...out
• From _____ to _____ ft., Type _____
• From _____ to _____ ft., Type _____

2. WATER DATA • Water temperature 52 °F
• Static water level (unpumped level-measured) _____ ft.
• Stabilized measured pumping water level _____ ft.
• Stabilized yield 18 gpm after 3 hours
Natural Flow: Yes ____ No no, flow rate: _____ gpm
Comment on quality clear
3. WATER ZONES: From 224 to _____
From _____ To _____, From _____ To _____
From _____ To _____, From _____ To _____
4. USE DATA:
Type of use: Drinking yes, Livestock Watering _____
Irrigation _____, Food processing _____, Household _____
Manufacturing _____, Fire safety _____, Cleaning _____
Recreation _____, Aesthetic _____, Cooling or heating _____
Injection _____, Other _____
• Type of facility: Domestic _____, Public water supply yes
Public institution _____, Farm _____, Industry _____
Commercial _____, Other _____
5. PUMP DATA: Type _____ • Rated H.P. _____
• Intake depth _____ • Capacity _____ at _____ head
6. WELLHEAD: Type well seal _____
Pressure tank _____ gal., Loc. _____
Sample tap _____, Measurement port _____
Well vent _____, Pressure relief valve _____
Gate valve _____, Check valve (when required) _____
Electrical disconnect switch on power supply _____
7. DISINFECTION: Well disinfected _____ yes _____ no
Date _____, Disinfectant used _____
Amount _____, Hours used _____
8. ABANDONMENT (where applicable) • yes _____ no _____
Casing pulled yes _____ no _____ not applicable _____
Plugging grout From _____ to _____ material _____

OVER

Owner Fauquier WSA

SD-93L 7906-04-5806

BWCM No. _____

9. State law requires submitting to the Virginia State Water Control Board information about groundwater and wells for every well made in the State intended for water, or any other non-exempt well. This information must be submitted whether the well is completed, on standby, or abandoned. Information required includes: an accurately and completely prepared water well completion report, full data from any aquifer pumping tests, drill cuttings taken at ten foot intervals (unless exemption is secured), the results of any chemical analyses, and copies of any geophysical logs. Quarterly pumpage and use reports are required from owners of public supply and industrial wells. County or State permits to drill may be required in some parts of the state. Some counties require submission of a water well completion report. The Virginia State Health Department requires a water well completion report for public supply wells.

10. DRILLERS LOG (use additional Sheets if necessary)

DEPTH (feet) From	To	TYPE OF ROCK OR SOIL (color, material, fossils, hardness, etc.)	REMARKS (water, caving, cavities, broken, core, shot, (etc.)	11. Drilling Time (Min.)	12. DIAGRAM OF WELL CONSTRUCTION (with dimensions)
0	36	overburden			
36	700	bluestone			
	224	18 GPM			

13. Well lot dedicated? _____; Size _____ ft. X _____ ft.; Well house? _____
Distance to nearest pollutant source _____ ft., Type _____
Distance to nearest property line _____ ft., Building _____ ft.

14. WATER SERVICE PIPE: Checked under _____ p.s.i. for _____
minutes. Pipe size _____ inches, Material _____
Installer _____
Date _____

15. I certify that the information contained herein is true and correct and that this well and/or system has been installed and constructed in accordance with the requirements for well construction as specified in compliance with appropriate county or independent city ordinances and the laws and rules of the Commonwealth of Virginia.

Signature _____ (Seal) Date _____
(Well driller or authorized person)

License No. #42

WWC 2705-014285 class B

State Water Control Board Regional Offices

Valley Reg. Off.
116 North Main Street
P. O. Box 268
Bridgewater, Va. 22812
703-828-2595

Piedmont Reg. Off.
4010 West Broad Street
P. O. Box 6616
Richmond, Va. 23230
804-257-1006

Southwest Reg. Off.
108 East Main Street
P. O. Box 476
Abingdon, Va. 24210
703-628-5183

Tidewater Reg. Off.
287 Pembroke Office Park
Suite 310 Pembroke No. 2
Va. Beach, Va. 23462
804-499-8742

West Central Reg. Off.
Executive Park
5312 Peters Creek Road
Roanoke, Va. 24019
703-982-7432

Northern Virginia Reg. Off.
5515 Cherokee Avenue
Suite 404
Alexandria, Va. 22312
703-750-9111

TEST WELL D-2

(No Chemistry Available)

HYDROGEOLOGIC BOREHOLE LOG FOR WELL D-2 in NEW BALTIMORE

Project: New Baltimore Service District
Driller: Singhas & Michael, Corp.
Geologist: K. C. Hardcastle, Ph.D.
Date Drilled: August 22-23, 1993

TEST WELL DATA for Well#: D-2
Static Water Level: ND
Depth to bedrock: 8'
Well Diameter: 6" **Air-Lift Yield : 15 gpm**
Total Depth: 440'
Casing Length: 42' x 6"

Well #: D-2

DEPTH (feet)	AIR-LIFT YIELD (gpm)	WELL LOG	DESCRIPTION (color/grain size/structure/composition/trace minerals)
0			BEDROCK at 8': Partially weathered/friable, medium yellow-tan, well foliated, medium-grained muscovite schist.
10			
20			
30			
40			40': 10% rusty-altered muscovite schist; 90% milky white microcrystalline quartzite. 43-48': rusty altered muscovite schist. 49':
50			quartzite.
60			
70			67-69': 80% rusty-altered muscovite schist; 20% grayish white quartzite. 69': quartzite with 5% mm-scale rusty-white grains and
80			limonite-coated fracture and foliation surfaces.
90			
100	2		
110			110': <1% limonite-coated fracture and foliation surfaces.
120			
130			134': Moderate gray to silver gray, fine-medium grained, moderately foliated, chlorite-muscovite-feldspar-quartz,
140			granular schist. 142': Moderate-dark greenish gray, fine-grained, moderately well foliated, grayish greenstone.
150			
160			
170			170': Temporary loss of circulation. 5% epidote fragments; trace very fine-grained chalcopyrite/pyrite on foliation surfaces.
180			180': Dark to moderate green, fine- to medium-grained, well foliated greenschist.
190			
200			
210			
220			
230			230': 2% crack-seal calcite-filled fractures at high angle to foliation (4-6mm thick). 234-240': Gray to greenish-brownish gray,
240	3		milky, fine-grained quartzite; 1% hematite-limonite-coated fractures. 236': Moderate gray, mm-scale color layered (gray/white)
250			apparently sheared quartzite; WATER-BEARING ZONE: 1 gpm increase. 242': greenschist. 250': 3% calcite-filled fractures.
260			260': 4% clear quartz vein fragments.
270			
280			277': 70% coarse fragments of milky/pearly white to pale orange microcrystalline quartzite, 3% with limonite-coated fractures;
290			15% pale green (altered greenschist); 5% muscovite-quartzite. 282': 20% rusty-altered fragments of quartzite/muscovite schist.
300	8		295': 50% rusty-altered fragments. 298': temporary loss of circulation, 70% rusty-altered fragments (limonite-coatings to 2mm
310			thick). 300': 40% rusty-altered fragments. WATER-BEARING ZONE from 295-300': about 5 gpm increase.
320			318': 60% rusty fragments including 20% thoroughly altered/rusty/friable muscovite schist fragments.
330			
340			338': Unweathered, silvery blackish gray, well foliated, fine- to medium-grained muscovite schist.
350			350-360': Muscovite-bearing (15%) quartzite with 4% ilmenite/magnetite grains.
360			360': Muscovite schist; tightly crenulated, poorly lineated.
370			
380			
390			390': 50% > 1cm3 clear quartz vein fragments. 393': <8% clear quartz fragments.
400			
410			
420			420-435': muscovite-bearing (<10%) quartzite.
430			430': 1% limonite-coated fragments; 1% kaolinite fracture fillings.
440	15		435-440': Muscovite schist. **440': END OF BORING. FINAL AIR-LIFT YIELD = 15 GPM.**

Cuttings of bedrock collected at 10 foot intervals and at changes in lithology.

UNCONSOLIDATED OVERBURDEN - Weathered, micaceous, clayey saprolite after muscovite schist.

MUSCOVITE SCHIST - Dark silvery gray to silvery grayish black, well foliated, crenulated, fine- to medium-grained, muscovite schist.

QUARTZITE - Milky white to grayish white, massive to faintly foliated, microcrystalline quartzite with up to 15% muscovite schist layers.

GREENSCHIST - Dark grayish green to blackish green, well foliated, fine- to medium-grained greenschist. Locally this rock displays mm-scale chevron/crenulation folds.

WATER BEARING ZONE - Fractures is rock where yield of well increased.

Emery and Garrett Groundwater, Inc.

...n GW-2
...78-10,000

COMMONWEALTH OF VIRGINIA

WATER WELL COMPLETION REPORT

• BWCM No. _____

(Certification of Completion/County Permit)

...te Water Control Board
...O. Box 11143
2111 North Hamilton St.
Richmond, Va. 23230

SWCB Permit _____
County Permit SD-93-

Certification of inspecting official:
This well does _____ does not _____ meet code/low requirements.
S. _____
Date _____
For Office Use

County/City Fauquier
County/City Stamp

/irginia Plane Coordinates
_____ N
_____ E
...atitude & Longitude
_____ N
_____ W
• Topo. Map No. _____
Elevation _____ ft.
• Formation _____
• Lithology _____
...iver Basin _____
...rovince _____
• Type Logs _____
...uttings _____
...ater Analysis _____
• Aquifer Test _____

• Owner Fauquier County (Emery & Garrett job)
• Well Designation or Number # D-2 #7 drilled
Address P.O. Box 3047
Warrenton, VA 22186
Phone 349-2092 (Emery & Garrett-603-279-4425)

• Drilling Contractor SINGHAS & MICHAEL CORP.
Address RT. 3, BOX 5062
BERRYVILLE, VA 22611
Phone 703-955-3582

Tax Map I.D. No. 7906-04-6519
Subdivision _____
Section _____
Block _____
Lot _____
Class Well: I _____, IIA _____, IIB _____, IIIA _____, IIIB yes, IIIC _____, IIID _____, IIIE _____

WELL LOCATION: _____ (feet/miles) _____ (direction) of _____ and _____ feet/miles _____ (direction) of New Baltimore
(If possible please include map showing location marked)

Date started 8/22/93 • Date completed 8/23/93 Type rig air rotary

1. WELL DATA: New yes Reworked _____ Deepened _____
• Total depth 440 ft.
...epth to bedrock 30 ft.
...ole size (Also include reamed zones)
• _____ inches from _____ to _____ ft.
• 10 inches from 0 to 41 ft.
• 6 inches from 41 to 440 ft.
• Casing size (I.D.) and material
• 6 inches from +1 to 42 ft.
Material steel
Wt. per foot 18.97 or wall thickness .280 in.
• _____ inches from _____ to _____ ft.
Material _____
Wt. per foot _____ or wall thickness _____ in.
• _____ inches from _____ to _____ ft.
Material _____
Wt. per foot _____ or wall thickness _____ in.
• Screen size and mesh for each zone (where applicable)
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• ...avel pack
• From _____ to _____ ft.
• From _____ to _____ ft.
• ...out
• From _____ to _____ ft., Type _____
• From _____ to _____ ft., Type _____

2. WATER DATA • Water temperature 52 °F
• Static water level (unpumped level-measured) _____ ft.
• Stabilized measured pumping water level _____ ft.
• Stabilized yield 15 gpm after 3 hours
Natural Flow: Yes _____ No no, flow rate: _____ gpm
Comment on quality clear
3. WATER ZONES: From 180' to 156Pm
From _____ To _____, From _____ To _____
From _____ To _____, From _____ To _____
4. USE DATA:
Type of use: Drinking yes, Livestock Watering _____,
Irrigation _____ Food processing _____, Household _____,
Manufacturing _____, Fire safety _____, Cleaning _____,
Recreation _____, Aesthetic _____, Cooking or heating _____,
Injection _____, Other _____
• Type of facility: Domestic _____, Public water supply yes,
Public institution _____ Farm _____, Industry _____,
Commercial _____, Other _____
5. PUMP DATA: Type _____ • Rated H.P. _____
• Intake depth _____ • Capacity _____ at _____ head
6. WELLHEAD: Type well seal _____
Pressure tank _____ gal., Loc. _____
Sample tap _____, Measurement port _____
Well vent _____, Pressure relief valve _____
Gate valve _____, Check valve (when required) _____
Electrical disconnect switch on power supply _____
7. DISINFECTION: Well disinfected _____ yes _____ no
Date _____, Disinfectant used _____
Amount _____, Hours used _____
8. ABANDONMENT (where applicable) • yes _____ no _____
Casing pulled yes _____ no _____ not applicable _____
Plugging grout From _____ to _____ material _____

OVER

ner Fauquier WSA

SD-93 7906-04-6519

BWCM No. _____

State law requires submitting to the Virginia State Water Control Board information about groundwater and wells for every well made in the State intended for water, or any other non-exempt well. This information must be submitted whether the well is completed, on standby, or abandoned. Information required includes: an accurately and completely prepared water well completion report, full data from any aquifer pumping tests, drill cuttings taken at ten foot intervals (unless exemption is secured), the results of any chemical analyses, and copies of any geophysical logs. Quarterly pumpage and use reports are required from owners of public supply and industrial wells. County or State permits to drill may be required in some parts of the state. Some counties require submission of a water well completion report. The Virginia State Health Department requires a water well completion report for public supply wells.

10. DRILLERS LOG (use additional Sheets if necessary)				11.	12. DIAGRAM OF WELL CONSTRUCTION (with dimensions)
DEPTH (feet) From	To	TYPE OF ROCK OR SOIL (color, material, fossils, hardness, etc.)	REMARKS (water, caving, cavities, broken, core, shot, (etc.)	Drilling Time (Min.)	
0	30	overburden			
30	440	bluestone conglomerant			
	180'	15 GPM			

13. Well lot dedicated? _____ ; Size _____ ft. X _____ ft.; Well house? _____
Distance to nearest pollutant source _____ ft., Type _____
Distance to nearest property line _____ ft., Building _____ ft.

14. WATER SERVICE PIPE: Checked under _____ p.s.i. for _____
minutes. Pipe size _____ inches, Material _____
Installer _____
Date _____

15. I certify that the information contained herein is true and correct and that this well and/or system has been installed and constructed in accordance with the requirements for well construction as specified in compliance with appropriate county or independent city ordinances and the laws and rules of the Commonwealth of Virginia.

Signature _____ (Seal), Date _____
(Well driller or authorized person)
License No. #42

WWC 2705-014285 class B

State Water Control Board Regional Offices

Val Reg. Off.
116 orth Main Street
P. Box 268
Bridgewater, Va. 22812
703-828-2595

Piedmont Reg. Off.
4010 West Broad Street
P. O. Box 6616
Richmond, Va. 23230
804-257-1006

Sou west Reg. Off.
408 st Main Street
P. O. Box 476
Abingdon, Va. 24210
703-628-5183

Tidewater Reg. Off.
287 Pembroke Office Park
Suite 310 Pembroke No. 2
Va. Beach, Va. 23462
804-499-8742

West entral Reg. Off.
Executive Park
3312 Peters Creek Road
Roanoke, Va. 24019
703 982-7432

Northern Virginia Reg. Off.
5515 Cherokee Avenue
Suite 404
Alexandria, Va. 22312
703-750-9111

TEST WELL D-2b

(No Chemistry Available)

EMERY AND GARRETT GROUNDWATER, INC.
170 WAUKEWAN STREET
MEREDITH, NH 03253
(603) 279-4425

HYDROGEOLOGIC BOREHOLE LOG

Project: New Baltimore Service District
Driller: Singhas & Michael, Corp.
Geologist: J. A. Brooks, Ph.D.
Date Drilled: August 26-27, 1993

Well #: D-2b

TEST WELL DATA for Well#: D-2b
Static Water Level: Flowing
Depth to bedrock: 6'
Well Diameter: 6" **Air-Lift Yield : 30 gpm**
Total Depth: 500'
Casing Length: 38' x 6"

DEPTH (feet)	AIR-LIFT YIELD * (gpm)	WELL LOG	DESCRIPTION (color/grain size/structure/composition/trace minerals)
0			10': Dark yellowish orange, clayey alluvium.
10			
20			26': BEDROCK; Medium gray, fine- to medium-grained, sandstone with muscovite and quartz. Black
30			segregations up to 2mm thick appear to be coal.
40			
50			50'-60': Fine-grained sandstone-conglomerate with fragments of feldspathic, biotite schist
60			and sandstones.
70			70': Fine-grained sandstone to siltstone thinly laminated with light gray sandstone.
80	3		80': Fissile, medium to dark gray siltstone to fine-grained sandstone with < 1% free quartz. 3 GPM YIELD
90			83' to 120': Light to dark gray, medium-grained arkosic sandstone with 0-5% pyrite.
100			
110			119': Fracture zone- no water.
120			120': Light olive gray to pinkish light brownish gray sandstone.
130			123': Light to medium gray sandstone. 125': BORDER FAULT; Dark gray fault gouge
140			126'-237': Greenish white to light gray quartzite with minor pyrite and muscovite.
150			
160			
170			
180			
190			
200			
210			
220			
230			237'- 330': Pyrite, epidote bearing light gray to light olive gray quartz muscovite schist
240			with as much as 5% quartz fracture coatings.
250			
260			
270			279': 5% Quartz fracture coatings up to 4mm thick.
280			
290			290'-291': 40% Quartz fracture coatings/vein.
300			300': Feldspar, quartz vein. Magnetite rich.
310			
320			324': Magnetite, epidote, quartz, feldspar vein.
330			330': Silver, muscovite schist.
340			340'-370': Light gray to light olive gray quartz, muscovite schist
350			347': Dusky red limonite staining.
360	20		360': Epidote, limonite, and quartz vein. 20 GPM YIELD
370			370'-387': Dark gray, magnetite, muscovite schist with feldspar segregations.
380			387'-430': Gray quartzite.
390			

Cuttings of bedrock collected at 10 foot intervals and at changes in lithology.

* Air-lift yield measured during drilling of 6" borehole.

EMERY AND GARRETT GROUNDWATER, INC.
170 WAUKEWAN STREET
MEREDITH, NH 03253
(603) 279-4425

HYDROGEOLOGIC BOREHOLE LOG

Project: New Baltimore Service District
Driller: Singhas & Michael, Corp.
Geologist: J. A. Brooks, Ph.D.
Date Drilled: August 26-27, 1993

Well #: D-2b

TEST WELL DATA for Well#: D-2b
Static Water Level: Flowing
Depth to bedrock: 6'
Well Diameter: 6" **Air-Lift Yield : 30 gpm**
Total Depth: 500'
Casing Length: 38' x 6"

DEPTH (feet)	AIR-LIFT YIELD * (gpm)	WELL LOG	DESCRIPTION (color/grain size/structure/composition/trace minerals)
400			
410			410': 10% Quartz fracture coatings.
420			
430			430'-450': Medium gray feldspathic biotite granofels to schist with magnetite.
440			
450			450'-454': Dusky blue gray fine-grained mafic schist with feldspar fracture coating.
460			454'-460': Light greenish gray to white quartzite with magnetite. 460'-470': Dark gray biotite schist/gneiss.
470			470'-480': Light olive gray quartzite with 20% quartz fractured coatings.
480			480'-500': Gray to olive gray schist with up to 50% quartz fracture coatings.
490			
500	30		500': **END OF BORING. FINAL AIR-LIFT YIELD = 30 GPM.**

Cuttings of bedrock collected at 10 foot intervals and at changes in lithology.

* Air-lift yield measured during drilling of 6" borehole.

LEGEND

WATER BEARING ZONE -where yield of well increased.

ALLUVIUM: Sand and gravel deposited by stream.

SANDSTONE: Light to medium gray to light olive gray to brownish gray sandstone to siltstone with minor muscovite and organic matter (coal). Poorly to thinly laminated beds.

WACKE : Dark dusky reddish and brownish gray, poorly to moderately wavy and laminar bedded, non-calcareous, lithic fragment-rich, medium to coarse grained sandstone to gravelstone.

GREENSCHIST: Dusky blue gray, well foliated, fine to medium grained greenschist.

MUSCOVITE SCHIST: Silvery to dark and light olive gray, well foliated, crenulated, fine to medium grained, muscovite schist.

QUARTZITE: Greenish white to light gray, massive to faintly foliated, microcrystalline quartzite with magnetite.

GRANOFELS: Medium gray feldspathic biotite granofels to schist with magnetite.

...n GW-2
...24-10,000

COMMONWEALTH OF VIRGINIA

WATER WELL COMPLETION REPORT

• BWCM No. _____

(Certification of Completion/County Permit)

S...te Water Control Board
P...O. Box 11143
2111 North Hamilton St.
Richmond, Va. 23230

SWCB Permit _____
County Permit SD-93-

Certification of inspecting official:
This well does _____ does not _____ meet code/low requirements.
S. _____
Date _____
For Office Use

County/City Fauquier
County/City Stamp

...irginia Plane Coordinates
_____ N
_____ E
...atitude & Longitude
_____ N
_____ W
• ...opo. Map No. _____
• ...levation _____ ft.
• Formation _____
• Lithology _____
• ...ver Basin _____
• ...ovince _____
• Type Logs _____
• ...ttings _____
• ...ter Analysis _____
• Aquifer Test _____

• Owner Fauquier County (Emery & Garrett job)
• Well Designation or Number # D2-B #10 drilled
Address P.O. Box 3047
Warrenton, VA 22186
Phone 349-2092 (Emery & Garrett-603-279-4425)

• Drilling Contractor SINGHAS & MICHAEL CORP.
Address RT. 3, BOX 5062
BERRYVILLE, VA 22611
Phone 703-955-3582

Tax Map I.O. No. 7905-02-5261
Subdivision _____
Section _____
Block _____
Lot _____
Class Well: I _____, IIA _____, IIB _____, IIIA _____, IIIB yes
IIIC _____ IIID _____ IIIE _____

WELL LOCATION: _____ (feet/miles) _____ (direction) of _____
and _____ feet/miles _____ (direction) of New Baltimore
(If possible please include map showing location marked)
8/26/93 6" hole
Date started 8/27/93 • Date completed _____ Type rig air rotary

1. WELL DATA: New yes Reworked _____ Deepened _____
• Total depth 500 ft.
• ...pth to bedrock 25 ft.
• ...le size (Also include reamed zones)
• _____ inches from _____ to _____ ft.
• 10 inches from 0 to 37 ft.
• 6 inches from 37 to 500 ft.
• Casing size (I.D.) and material
• 6 inches from +1 to 38 ft.
Material steel
Wt. per foor 18.97 or wall thickness .280 in.
• 8 inches from +2 to _____ ft.
Material Steel
Wt. per foot 28.55 or wall thickness .322 in.
• _____ inches from _____ to _____ ft.
Material _____
Wt. per foot _____ or wall thickness _____ in.
• Screen size and mesh for each zone (where applicable)
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• G...el pack
• From _____ to _____ ft.
• From _____ to _____ ft.
• Gr...t
• From _____ to _____ ft., Type _____
• From _____ to _____ ft., Type _____

2. WATER DATA • Water temperature 52 °F
• Static water level (unpumped level-measured) 20' ft.
• Stabilized measured pumping water level _____ ft.
• Stabilized yield 30 gpm after 3 hours
Natural Flow: Yes _____ No no, flow rate: _____ gpm
Comment on quality clear

3. WATER ZONES: From 60' To 5 GPM
From 120' To 10 GPM From 240' To 60 GPM
From 346' To 15 GPM From 413' To 40 GPM

4. USE DATA:
Type of use: Drinking yes, Livestock Watering _____
Irrigation _____ Food processing _____, Household _____
Manufacturing _____, Fire safety _____, Cleaning _____
Recreation _____, Aesthetic _____, Cooling or heating _____
Injection _____, Other _____
• Type of facility: Domestic _____, Public water supply yes
Public institution _____ Farm _____, Industry _____
Commercial _____, Other _____

5. PUMP DATA: Type _____ • Rated H.P. _____
• Intake depth _____ • Capacity _____ at _____ head

6. WELLHEAD: Type well seal _____
Pressure tank _____ gal., Loc. _____
Sample tap _____, Measurement port _____
Well vent _____, Pressure relief valve _____
Gate valve _____, Check valve (when required) _____
Electrical disconnect switch on power supply _____

7. DISINFECTION: Well disinfected _____ yes _____ no
Date _____, Disinfectant used _____
Amount _____, Hours used _____

8. ABANDONMENT (where applicable) • yes _____ no _____
Casing pulled yes _____ no _____ not applicable _____
Plugging grout From _____ to _____ material _____

OVER

Owner Fauquier WSA

SW93 - 7905-62-5261

SWCM No. _____

9. State law requires submitting to the Virginia State Water Control Board information about groundwater and wells for every well made in the State intended for water, or any other non-exempt well. This information must be submitted whether the well is completed, on standby, or abandoned. Information required includes: an accurately and completely prepared water well completion report, full data from any aquifer pumping tests, drill cuttings taken at ten foot intervals (unless exemption is secured), the results of any chemical analyses, and copies of any geophysical logs. Quarterly pumpage and use reports are required from owners of public supply and industrial wells. County or State permits to drill may be required in some parts of the state. Some counties require submission of a water well completion report. The Virginia State Health Department requires a water well completion report for public supply wells.

10. DRILLERS LOG (use additional Sheets if necessary)

DEPTH (feet) From	To	TYPE OF ROCK OR SOIL (color, material, fossils, hardness, etc.)	REMARKS (water, caving, cavities, broken, core, shot, (etc.)	11. Drilling Time (Min.)	12. DIAGRAM OF WELL CONSTRUCTION (with dimensions)
0'	6'	overburden			
6'	440'	redrock			
	60'	5 GPM	water bearing zones		
	120'	10 GPM			
	240'	60 GPM			
	346'	15 GPM			
	413'	40 GPM			

13. Well lot dedicated? _____ ; Size _____ ft. X _____ ft.; Well house? _____
Distance to nearest pollutant source _____ ft., Type _____
Distance to nearest property line _____ ft., Building _____ ft.

14. WATER SERVICE PIPE: Checked under _____ p.s.i. for _____ minutes, Pipe size _____ inches, Material _____
Installer _____
Date _____

15. I certify that the information contained herein is true and correct and that this well and/or system has been installed and constructed in accordance with the requirements for well construction as specified in compliance with appropriate county or independent city ordinances and the laws and rules of the Commonwealth of Virginia.

Signature _____ (Seal), Date _____
(Well driller or authorized person)

License No. 142

WWC 2705-014285 class B

State Water Control Board Regional Offices

alley Reg. Off.
16 North Main Street
O. Box 268
Bridgewater, Va. 22812
703-828-2595

outhwest Reg. Off.
08 East Main Street
O. Box 476
Abingdon, Va. 24210
703-628-5183

est Central Reg. Off.
xecutive Park
5312 Peters Creek Road
Roanoke, Va. 24019
03 - 982 - 7432

Piedmont Reg. Off.
4010 West Broad Street
P. O. Box 6616
Richmond, Va. 23230
804-257-1006

Tidewater Reg. Off.
287 Pembroke Office Park
Suite 310 Pembroke No. 2
Va. Beach, Va. 23462
804-499-8742

Northern Virginia Reg. Off.
5515 Cherokee Avenue
Suite 404
Alexandria, Va. 22312
703-750-9111

PRODUCTION WELL E-1

Emery & Garrett Groundwater, Inc.

HYDROGEOLOGIC BOREHOLE LOG FOR WELL E-1 in NEW BALTIMORE

Project: New Baltimore Service District
Driller: Singhas & Michael, Corp.
Geologist: J. A. Brooks, Ph.D.
Date Drilled: August 27-28, 1993

Well #: E-1

TEST WELL DATA for Well#: E-1
Static Water Level: ND
Depth to bedrock: 51'
Well Diameter: 6" **Air-Lift Yield : 300 gpm**
Total Depth: 360'
Casing Length: 63' x 6"

PRODUCTION WELL DATA for Well #: E-1
Date of Reaming: August/14-15/94
Total Length of 8" Casing: 95' **Final Air-Lift Yield: 400+ gpm**
Depth of 8" Reaming: 230'

DEPTH (feet)	AIR-LIFT YIELD (gpm)	WELL LOG	DESCRIPTION (color/grain size/structure/composition/trace minerals)
0			
10			0'-51':Moderate brown, micaceous saprolite with 2-3 cm. rounded quartz clasts.
20	Casing→		
30			
40			
50	5 to 7		51': Water at interface with bedrock. 5-7 gpm
60			51' to 81': Weathered, rusty, friable schistose rock.
70			
80			81'-100': Medium-gray, fine-to medium-grained, muscovite, biotite, plagioclase, quartz,
90			granofels to schist. 90': 2% chlorite and 3% quartz fracture coatings.
100			
110			100'-120': Dark to medium gray, graphitic schist
120			120'-130': Dark-gray, biotite, quartz, plagioclase schist
130			130'-353': Graphitic schist. 130': 2% quartz fracture coatings.
140			140'-190': 1% Quartz fracture coatings.
150			
160			
170			
180			
190			
200			
210	200		210'-212': 1 to 3 cm long fragments of graphitic schist. Water-bearing zone.
220	**Limit**		
230	**of 8"**		
240	**Reaming**		
250			
260	250		260: Bouncing bit, water-bearing fracture zone.
270			
280			
290			290'-300': Graphitic schist to biotite granofels.
300			307'-310': Slow drilling quartz vein. Weathered schist cuttings.
310			310': 70% Translucent to white quartz chips.
320	>250		318': Change in water color. **Fracture zone- increase in water.**
330			
340			340: 5% Quartz fracture coatings.
350			353'-360': Greenish gray, fine- to medium-grained, pyrite-bearing, mafic schist with 2% calcite fracture
360			coatings. 360': END OF BORING.

Cuttings of bedrock collected at 10 foot intervals and at changes in lithology.

WATER BEARING ZONE -where yield of well increased.

SAPROLITE: Weathered bedrock.

GREENSCHIST: Dark grayish green, well foliated, fine to medium grained greenschist. Locally this rock displays mm-scale chevron/crenulation folds.

GRAPHITIC SCHIST: Blackish gray to dark gray, shiny, well foliated, strongly to moderately lineated (related to tight, mm-scale crenulations), fine grained graphitic schist to granular graphite-bearing schist to graphitic granofels.

MUSCOVITE SCHIST: Dark to medium gray, well foliated, crenulated, fine to medium grained, muscovite, biotite plagioclase, quartz schist to granofels.

Water Control Board
Box 11143
North Hamilton St.
chmond, Va. 23230

COMMONWEALTH OF VIRGINIA
WATER WELL COMPLETION REPORT
(Certification of Completion/County Permit)

• BWCM No. _____

County/City Fauquier

SWCB Permit _____
County Permit SD-93-

Certification of inspecting official:
This well does ____ does not ____ meet code/low requirements.
S. _____
Date _____

For Office Use

County/City Stamp

• Virginia Plane Coordinates
_____ N
_____ E
Latitude & Longitude
_____ N
_____ W
Topo. Map No. _____
Elevation _____ ft.
ormation _____
ithology _____
River Basin _____
ovince _____
pe Logs _____
uttings _____
ater Analysis _____
rifer Test _____

• Owner Fauquier County (Emery & Garrett job)
• Well Designation or Number #E-1 #11 drilled
Address P.O. Box 3047
Warrenton, VA 22186
Phone 349-2092 (Emery & Garrett-603-279-4425)

• Drilling Contractor SINGHAS & MICHAEL CORP.
Address RT. 3, BOX 5062
BERRYVILLE, VA 22611
Phone 703-955-3582

Tax Map I.D. No. 6995-02-6630
Subdivision _____
Section _____
Block _____
Lot _____
Class Well: I _____, IIA _____, IIB _____, IIIA _____, IIIB -yes-, IIIC _____, IIID _____, IIIE _____

WELL LOCATION: _____ (feet/miles) _____ (direction) of _____ and _____ feet/miles _____ (direction) of New Baltimore
(If possible please include map showing location marked)

8-27-93 6" 8-28-93 6"

Date started 7-14-94 • Date completed 7-1594 8" Type rig air rotary

L DATA: New yes Reworked _____ Deepened _____
l depth 360 6" 8" 230'
oth to bedrock 56 ft.
size (Also include reamed zones)
12 inches from 0 to 93 ft.
10 inches from 93 to 230 ft.
6 inches from 230 to 360 ft.
size (I.D.) and material
8 inches from +2 to 95 ft.
Material steel
t. per foot 28.55 or wall thickness .322 in.
_____ inches from _____ to _____ ft.
aterial _____
per foot _____ or wall thickness _____ in.
_____ inches from _____ to _____ ft.
terial _____
per foot _____ or wall thickness _____ in.
te and mesh for each zone (where applicable)
_____ inches from _____ to _____ ft.
h size _____ Type _____
_____ inches from _____ to _____ ft.
size _____ Type _____
_____ inches from _____ to _____ ft.
ize _____ Type _____
_____ inches from _____ to _____ ft.
ize _____ Type _____
_____ to _____ ft.
_____ to _____ ft.
0 to 88 ft., Type Pressure Cement
_____ to _____ ft., Type _____

2. WATER DATA • Water temperature 52 °F
• Static water level (unpumped level-measured) _____ ft.
• Stabilized measured pumping water level _____ ft.
• Stabilized yield 250 gpm after _____ hours
Natural Flow: Yes ____ No no, flow rate: _____ gpm
Comment on quality clear
3. WATER ZONES: From 210 to 250 GPM
From _____ To _____ . From _____ To _____
From _____ To _____ . From _____ To _____
4. USE DATA:
Type of use: Drinking yes, Livestock Watering _____
Irrigation _____, Food processing _____, Household _____
Manufacturing _____, Fire safety _____, Cleaning _____
Recreation _____, Aesthetic _____, Cooling or heating _____
Injection _____, Other _____
• Type of facility: Domestic _____, Public water supply yes
Public institution _____, Farm _____, Industry _____
Commercial _____, Other _____
5. PUMP DATA: Type _____ • Rated H.P. _____
• Intake depth _____ • Capacity _____ at _____ head
6. WELLHEAD: Type well seal _____
Pressure tank _____ gal., Loc. _____
Sample tap _____, Measurement port _____
Well vent _____, Pressure relief valve _____
Gate valve _____, Check valve (when required) _____
Electrical disconnect switch on power supply _____
7. DISINFECTION: Well disinfected _____ Yes _____ no
Date _____, Disinfectant used _____
Amount _____, Hours used _____
8. ABANDONMENT (where applicable) • yes ____ no ____
Casing pulled yes ____ no ____ not applicable ____
Plugging grout From _____ to _____ material _____

Owner WSA

SO-93 6995-00-6630

BWCM No. _____

9. State law requires submitting to the Virginia State Water Control Board information about groundwater and wells for every well made in the State intended for water, or any other non-exempt well. This information must be submitted whether the well is completed, on standby, or abandoned. Information required includes: an accurately and completely prepared water well completion report, full data from any aquifer pumping tests, drill cuttings taken at ten foot intervals (unless exemption is secured), the results of any chemical analyses, and copies of any geophysical logs. Quarterly pumpage and use reports are required from owners of public supply and industrial wells. County or State permits to drill may be required in some parts of the state. Some counties require submission of a water well completion report. The Virginia State Health Department requires a water well completion report for public supply wells.

10. DRILLERS LOG (use additional Sheets if necessary)				11.	12. DIAGRAM OF WELL CONSTRUCTION (with dimensions)
DEPTH (feet) From	To	TYPE OF ROCK OR SOIL (color, material, fossils, hardness, etc.)	REMARKS (water, caving, cavities, broken, core, shot, (etc.)	Drilling Time (Min.)	
0	56	overburden			
56	360	Bluestone			

13. Well lot dedicated? _____; Size _____ ft. X _____ ft.; Well house? _____
Distance to nearest pollutant source _____ ft., Type _____
Distance to nearest property line _____ ft., Building _____ ft.

14. WATER SERVICE PIPE: Checked under _____ p.s.i. for _____ minutes. Pipe size _____ inches, Material _____
Installer _____
Date _____

15. I certify that the information contained herein is true and correct and that this well and/or system has been installed and constructed in accordance with the requirements for well construction as specified in compliance with appropriate county or independent city ordinances and the laws and rules of the Commonwealth of Virginia.

Signature _____ [Seal], Date 7-28-94
[Well driller or authorized person]

License No. #2 #11

WWC 2705-014285 class B

State Water Control Board Regional Offices

Valley Reg. Off.
116 North Main Street
P. O. Box 268
Bridgewater, Va. 22812
703-828-2595

Piedmont Reg. Off.
4010 West Broad Street
P. O. Box 6616
Richmond, Va. 23230
804-257-1006

Southwest Reg. Off.
355 East Main Street
P. O. Box 476
Abingdon, Va. 24210
703-628-5183

Tidewater Reg. Off.
287 Pembroke Office Park
Suite 310 Pembroke No. 2
Va. Beach, Va. 23462
804-499-8742

West Central Reg. Off.
Executive Park
3312 Peters Creek Road
Roanoke, Va. 24019
703-982-7432

Northern Virginia Reg. Off.
5515 Cherokee Avenue
Suite 404
Alexandria, Va. 22312
703-750-9111

DATE COLLECTED	DATE RECEIVED	DATE COMPLETED	SAMPLE CODE
08/23/93	09/01/93	09/16/93	9570047

CUSTOMER ADDRESS
NBAL WELL E-1

AFTER DRILLING

DEALER ADDRESS
EMERY & GARRETT GRNDWATER
170 WAUKEWAN ST
MEREDITH, NH 03253-

WATERCHECK / NATIONAL TESTING LABORATORIES INC.
6555 Wilson Mills Road
Cleveland, OH 44143
(216) 449-2525

DRINKING WATER ANALYSIS RESULTS

NOTE: "*" indicates that the MCL (Maximum Contaminant Level) has been exceeded, or in the case of pH is either too high OR too low.
"ND" indicates that none of this contaminant has been detected at or above our detection level.
"**" Result may be invalid due to lack of "Time Collected" or because the sample has exceeded the 30-hour time frame.
"BD" Bacteria destroyed due to lack of collection information or because the sample has exceeded the 48-hour time frame.
TNTC-Too Numerous To Count NBS-No Bacteria Submitted

Analysis performed	MCL (mg/l)	Detection Level	Level Detected
Microbiological:			
Total coliform (organism/100ml)	0	0.0	BD
Inorganic chemicals - metals:			
Aluminum	0.2	0.1	ND
Arsenic	0.05	0.010	ND
Barium	2.0	0.30	ND
Cadmium	0.005	0.002	ND
Chromium	0.1	0.004	ND
Copper	1.3	0.004	ND
Iron	0.3	0.020	0.056
Lead	0.015	0.002	ND
Manganese	0.05	0.004	0.054*
Mercury	0.002	0.001	ND
Nickel	0.1	0.02	ND
Selenium	0.05	0.002	ND
Silver	0.1	0.002	ND
Sodium	---	1.0	7.1
Zinc	5.0	0.004	0.007
Inorganic chemicals - other, and physical factors:			
Alkalinity (Total as CaCO3)	---	10.0	110
Chloride	250	5.0	ND
Fluoride	4.0	0.5	ND
Nitrate as N	10	0.5	ND
Nitrite as N	1.0	0.5	ND
Sulfate	250	5.0	16
Hardness (suggested limit = 100)		10.0	110*
pH (Standard Units)	6.5-8.5	---	8.4
Total Dissolved Solids	500	20.0	133
Turbidity (Turbidity Units)	1.0	0.1	0.3
Organic chemicals - trihalomethanes:			
Bromoform	---	0.004	ND
Bromodichloromethane	---	0.002	ND
Chloroform	---	0.002	ND
Dibromochloromethane	---	0.004	ND
Total THMs (sum of four above)	0.1	0.002	ND
Organic chemicals - volatiles:			
Benzene	0.005	0.001	ND
Vinyl Chloride	0.002	0.001	ND
Carbon Tetrachloride	0.005	0.001	ND
1,2 Dichloroethane	0.005	0.001	ND

Analysis performed	MCL (mg/l)	Detection Level	Level Detected
Trichloroethylene	0.005	0.001	ND
1,4-Dichlorobenzene	0.075	0.001	ND
1,1-Dichloroethylene	0.007	0.001	ND
1,1,1,-Trichloroethane	0.20	0.001	ND
Bromobenzene	---	0.002	ND
Bromomethane	---	0.002	ND
Chlorobenzene	0.1	0.001	ND
Chloroethane	---	0.002	ND
Chloromethane	---	0.002	ND
2-Dichlorotoluene	---	0.001	ND
4-Dichlorotoluene	---	0.001	ND
Dibromochloropropane (DBCP)	---	0.001	ND
Dibromomethane	---	0.002	ND
1,2-Dichlorobenzene	0.6	0.001	ND
1,3-Dichlorobenzene	---	0.001	ND
Dichlorodifluoromethane	---	0.002	ND
1,1-Dichloroethane	---	0.002	ND
Trans-1,2-Dichloroethylene	0.1	0.002	ND
cis-1,2-Dichloroethylene	0.07	0.002	ND
Dichloromethane	0.005	0.002	ND
1,2-Dichloropropane	0.005	0.002	ND
trans-1,3-Dichloropropene	---	0.002	ND
1-3-Dichloropropene	---	0.002	ND
2,2-Dichloropropane	---	0.002	ND
1,1-Dichloropropene	---	0.002	ND
1,3-Dichloropropane	---	0.002	ND
Ethylbenzene	0.7	0.001	ND
Ethylenedibromide (EDB)	---	0.001	ND
Styrene	0.1	0.001	ND
1,1,1,2-Tetrachloroethane	---	0.002	ND
1,1,2,2-Tetrachloroethane	---	0.002	ND
Tetrachloroethylene (PCE)	0.005	0.002	ND
1,2,3-Trichlorobenzene	---	0.002	ND
1,2,4-Trichlorobenzene	---	0.002	ND
1,1,2-Trichloroethane	0.005	0.002	ND
Trichlorofluoromethane	---	0.002	ND
1,2,3-Trichloropropane	---	0.002	ND
Toluene	1.0	0.001	ND
Xylene	10	0.001	ND

NOTE: TWO UNIDENTIFIED COMPOUNDS WERE DETECTED IN THE AROMATIC VOC SCAN.

I certify that the analyses performed for this report are accurate, and that the laboratory tests were conducted by methods approved by the U.S. Environmental Protection Agency or variations of these EPA methods. These test results are intended to be used for informational purposes only and may not be used for regulatory compliance.

PRESIDENT, NATIONAL TESTING LABORATORIES, INC.

TEST WELL E-3

Emery & Garrett Groundwater, Inc.

HYDROGEOLOGIC BOREHOLE LOG FOR WELL E-3 in NEW BALTIMORE

Project: New Baltimore Service District
Driller: Singhas & Michael, Corp.
Geologist: K. C. Hardcastle, Ph.D.
Date Drilled: August 24-25, 1993

Well #: E-3

TEST WELL DATA for Well#: E-3
Static Water Level: ND
Depth to bedrock: 23'
Well Diameter: 6" **Air-Lift Yield : 85 gpm**
Total Depth: 540'
Casing Length: 23' x 6"

PRODUCTION WELL DATA for Well #: E-3
Date of Reaming: August/13-14/94
Total Length of 8" Casing: 56' **Final Air-Lift Yield: 100 gpm**
Depth of 8" Reaming: 450'

DEPTH (feet)	AIR-LIFT YIELD (gpm)	WELL LOG	DESCRIPTION (color/grain size/structure/composition/trace minerals)
0			0-4': Brown-yellow-green silty loam. 4-8': green-brown saprolite after graphitic schist.
10			8': WEATHERED BEDROCK: green-gray, well foliated, fine- and medium-grained graphitic schist.
20			schist.
30	6		34-35': Red-brown silt and weathered schist cuttings; WATER-BEARING ZONE.
40			35': Milky-tan-gray, feldspathic granofels. 44-50': Graphitic schist.
50			50-53': Feldspathic granofels. 53-90': Graphitic schist and graphitic granofels.
60			
70			
80			
90	10		90-109': Pale milky green-gray, moderately foliated, slightly micaceous feldspathic quartzite/granofels.
100			93': WATER-BEARING ZONE. 109-505': Graphitic schist and graphitic granofels.
110			
120			
130			
140			
150	32		153': WATER-BEARING ZONE.
160			
170			170': 10% clear quartz+calcite vein fragments (to 8mm thick).
180			
190			
200			198-214': 70-90% feldspathic granofels.
210			
220			
230			
240			
250			
260			
270			
280			
290			
300			
310			
320			
330			
340			
350			

Cuttings of bedrock collected at 10 foot intervals and at changes in lithology.

HYDROGEOLOGIC BOREHOLE LOG FOR WELL E-3 in NEW BALTIMORE

Project: New Baltimore Service District
Driller: Singhas & Michael, Corp.
Geologist: K. C. Hardcastle, Ph.D.
Date Drilled: August 24-25 1993

Well #: E-3

TEST WELL DATA for Well#: E-3
Static Water Level: ND
Depth to bedrock: 23'
Well Diameter: 6" **Air-Lift Yield : 85 gpm**
Total Depth: 540'
Casing Length: 23' x 6"

PRODUCTION WELL DATA for Well #: E-3
Date of Reaming: August/13-14/94
Total Length of 8" Casing: 56' **Final Air-Lift Yield: 100 gpm**
Depth of 8" Reaming: 450'

DEPTH (feet)	AIR-LIFT YIELD (gpm)	WELL LOG	DESCRIPTION (color/grain size/structure/composition/trace minerals)
360			
370			
380			
390			
400			
410			
420	63		WATER-BEARING ZONES: yield increased gradually during 360-420' interval.
430			
440	Limit		
450	of 8"		
460	Reaming		
470	85		
480			
490			
500			505'-510': Biotite, plagioclase, quartz gneiss
510			510'-520': Pyrite-bearing graphitic, biotite schist. 3% Calcite fracture coatings.
520			520'-532': Biotite, plagioclase, quartz gneiss.
530			532'-534': Leucocratic biotite gneiss and fracture zone. 5% Quartz fragments. 534'-537': Biotite
540			granofels with up to 30% epidote mineralization. 537'-540: Graphitic schist.
			540': **END OF BORING.**

Cuttings of bedrock collected at 10 foot intervals and at changes in lithology.

VEIN - Clear to white, medium- to coarse-crystalline, quartz +- calcite vein fragments.

UNCONSOLIDATED OVERBURDEN - Clayey saprolite after graphitic schist.

GRAPHITIC SCHIST - Blackish gray to dark gray, shiny, well foliated, strongly to moderately lineated (related to tight, mm-scale crenulations), fine-grained graphitic schist to granular graphite-bearing schist to graphitic granofels.

FELDSPATHIC GRANOFELS - Milky tannish gray to grayish white, fine- to medium-grained, moderately well foliated, slightly micaceous and quartz-bearing feldspathic granofels.

WATER BEARING ZONE - where yield of well increased.

ND

COMMONWEALTH OF VIRGINIA

WATER WELL COMPLETION REPORT

• BWCM No. _____

(Certification of Completion/County Permit)

State Water Control Board
P. O. Box 11143
2111 North Hamilton St.
Richmond, Va. 23230

SWCB Permit _____
County Permit SD-93-

Certification of inspecting official:
This well does _____ does not _____ meet code/law requirements.
S. _____
Date _____
For Office Use

County/City Fauquier

County/City Stamp

• Virginia Plane Coordinates
_____ N
_____ E
• Latitude & Longitude
_____ N
_____ W
• Topo. Map No. _____
• Elevation _____ ft.
• Formation _____
• Lithology _____
• River Basin _____
• Province _____
• Type Logs _____
• Cuttings _____
• Water Analysis _____
• Aquifer Test _____

• Owner Fauquier County (Emery & Garrett job)
• Well Designation or Number # E-3 #9 drilled
Address P.O. Box 3047
Warrenton, VA 22186
Phone 349-2092 (Emery & Garrett-603-279-4425)
• Drilling Contractor SINGHAS & MICHAEL CORP.
Address RT. 3, BOX 5062
BERRYVILLE, VA 22611
Phone 703-955-3582

Tax Map I.D. No. 6995-02-1781
Subdivision _____
Section _____
Block _____
Lot _____
Class Well: I _____, IIA _____, IIB _____, IIIA _____, IIIB yes, IIIC _____, IIID _____, IIIE _____

WELL LOCATION: _____ (feet/miles) _____ (direction) of _____ and _____ feet/miles _____ (direction) of New Baltimore
(If possible please include map showing location marked)

Date started 6" 8/26/93 8" 7-13-94 • Date completed 6" 8/26/93 8" 7-14-94 Type rig air rotary

WELL DATA: New yes Reworked _____ Deepened _____
• Total depth 560 6" 450 8" ft.
• Depth to bedrock 15 ft.
• Hole size (Also include reamed zones)
• 12 inches from 0 to 54 ft.
• 8 inches from 54 to 450 ft.
6 inches from 450 to 540 ft.
• Casing size (I.D.) and material
• 8 inches from +2 to 56 ft.
Material steel
Wt. per foot 28.55 or wall thickness .322 in.
• _____ inches from _____ to _____ ft.
Material _____
Wt. per foot _____ or wall thickness _____ in.
• _____ inches from _____ to _____ ft.
Material _____
Wt. per foot _____ or wall thickness _____ in.
Screen size and mesh for each zone (where applicable)
• _____ inches from _____ to _____ ft.
Mesh size _____ Type _____
_____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
_____ inches from _____ to _____ ft.
Mesh size _____ Type _____
_____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
Gravel pack
• From _____ to _____ ft.
• From _____ to _____ ft.
Grout
• From 0 to 51 ft., Type Pressure cement
• From _____ to _____ ft., Type _____

2. WATER DATA • Water temperature 52 °F
• Static water level (unpumped level-measured) _____ ft.
• Stabilized measured pumping water level _____ ft.
• Stabilized yield 85 gpm after 3 hours
Natural Flow: Yes _____ No no, flow rate: _____ gpm
Comment on quality clear

3. WATER ZONES: From 40' To 20GPM
From 222' To 15GPM From 420' To 30GPM
From 475 To 20GPM From _____ To _____

4. USE DATA:
Type of use: Drinking yes, Livestock Watering _____
Irrigation _____, Food processing _____, Household _____
Manufacturing _____, Fire safety _____, Cleaning _____
Recreation _____, Aesthetic _____, Cooling or heating _____
Injection _____, Other _____
• Type of facility: Domestic _____, Public water supply yes
Public institution _____, Farm _____, Industry _____
Commercial _____, Other _____

5. PUMP DATA: Type _____ • Rated H.P. _____
• Intake depth _____ • Capacity _____ at _____ head

6. WELLHEAD: Type well seal _____
Pressure tank _____ gal., Loc. _____
Sample tap _____, Measurement port _____
Well vent _____, Pressure relief valve _____
Gate valve _____, Check valve (when required) _____
Electrical disconnect switch on power supply _____

7. DISINFECTION: Well disinfected _____ yes _____ no
Date _____, Disinfectant used _____
Amount _____, Hours used _____

8. ABANDONMENT (where applicable) • yes _____ no _____
Casing pulled yes _____ no _____ not applicable _____
Plugging grout From _____ to _____ material _____

Owner WSA Joyce Crescent
SO-93 6995-02-1781

BWCM No. _____

9. State law requires submitting to the Virginia State Water Control Board information about groundwater and wells for every well made in the State intended for water, or any other non-exempt well. This information must be submitted whether the well is completed, on standby, or abandoned. Information required includes: an accurately and completely prepared water well completion report, full data from any aquifer pumping tests, drill cuttings taken at ten foot intervals (unless exemption is secured), the results of any chemical analyses, and copies of any geophysical logs. Quarterly pumpage and use-reports are required from owners of public supply and industrial wells. County or State permits to drill may be required in some parts of the state. Some counties require submission of a water well completion report. The Virginia State Health Department requires a water well completion report for public supply wells.

10. DRILLERS LOG (use additional Sheets if necessary)

DEPTH (feet) From	To	TYPE OF ROCK OR SOIL (color, material, fossils, hardness, etc.)	REMARKS (water, caving, cavities, broken, core, shot, (etc.)	11. Drilling Time (Min.)	12. DIAGRAM OF WELL CONSTRUCTION (with dimensions)
0'	15	overburden			
15'	540	bluestone			

13. Well lot dedicated? _____; Size _____ ft. X _____ ft.; Well house? _____
Distance to nearest pollutant source _____ ft., Type _____
Distance to nearest property line _____ ft., Building _____ ft.

14. WATER SERVICE PIPE: Checked under _____ p.s.i. for _____ minutes. Pipe size _____ inches, Material _____
Installer _____
Date _____

15. I certify that the information contained herein is true and correct and that this well and/or system has been installed and constructed in accordance with the requirements for well construction as specified in compliance with appropriate county or independent city ordinances and the laws and rules of the Commonwealth of Virginia.

Signature Anna Sanchez (Seal), Date 7-28-94
(Well driller or authorized person)
License No. [illegible]

WWC 2705-014285 class B

State Water Control Board Regional Offices

Valley Reg. Off.
16 North Main Street
P. O. Box 268
Bridgewater, Va. 22812
703-828-2595

Southwest Reg. Off.
08 East Main Street
P. O. Box 476
Abingdon, Va. 24210
703-628-5183

West Central Reg. Off.
Executive Park
3312 Peters Creek Road
Roanoke, Va. 24019
703-982-7432

Piedmont Reg. Off.
4010 West Broad Street
P. O. Box 6616
Richmond, Va. 23230
804-257-1006

Tidewater Reg. Off.
287 Pembroke Office Park
Suite 310 Pembroke No. 2
Va. Beach, Va. 23462
804-499-8742

Northern Virginia Reg. Off.
5515 Cherokee Avenue
Suite 404
Alexandria, Va. 22312
703-750-9411

DATE COLLECTED	DATE RECEIVED	DATE COMPLETED	SAMPLE CODE
08/26/93	08/30/93	09/08/93	9561323

CUSTOMER ADDRESS

WELL E-3

NBALT AFTER DRILLING

DEALER ADDRESS

EMERY & GARRETT GRNDWATER
170 WAUKEWAN ST
MEREDITH, NH 03253-

WATERCHECK / NATIONAL TESTING LABORATORIES INC.
6555 Wilson Mills Road
Cleveland, OH 44143
(216) 449-2525

DRINKING WATER ANALYSIS RESULTS

NOTE: "*" indicates that the MCL (Maximum Contaminant Level) has been exceeded, or in the case of pH is either too high OR too low.
"ND" indicates that none of this contaminant has been detected at or above our detection level.
"**" Result may be invalid due to lack of "Time Collected" or because the sample has exceeded the 30-hour time frame.
"BD" Bacteria destroyed due to lack of collection information or because the sample has exceeded the 48-hour time frame.
TNTC-Too Numerous To Count NBS-No Bacteria Submitted

Analysis performed	MCL (mg/l)	Detection Level	Level Detected
Microbiological:			
Total coliform (organism/100ml)	0	0.0	BD
Inorganic chemicals - metals:			
Aluminum	0.2	0.1	ND
Arsenic	0.05	0.010	ND
Barium	2.0	0.30	ND
Cadmium	0.005	0.002	ND
Chromium	0.1	0.004	ND
Copper	1.3	0.004	ND
Iron	0.3	0.020	0.037
Lead	0.015	0.002	ND
Manganese	0.05	0.004	0.045
Mercury	0.002	0.001	ND
Nickel	0.1	0.02	ND
Selenium	0.05	0.002	ND
Silver	0.1	0.002	ND
Sodium	---	1.0	11
Zinc	5.0	0.004	0.010
Inorganic chemicals - other, and physical factors:			
Alkalinity (Total as CaCO3)	---	10.0	95
Chloride	250	5.0	15
Fluoride	4.0	0.5	ND
Nitrate as N	10	0.5	0.6
Nitrite as N	1.0	0.5	ND
Sulfate	250	5.0	51
Hardness (suggested limit = 100)		10.0	135*
pH (Standard Units)	6.5-8.5	---	7.9
Total Dissolved Solids	500	20.0	189
Turbidity (Turbidity Units)	1.0	0.1	0.9
Organic chemicals - trihalomethanes:			
Bromoform	---	0.004	ND
Bromodichloromethane	---	0.002	ND
Chloroform	---	0.002	ND
Dibromochloromethane	---	0.004	ND
Total THMs (sum of four above)	0.1	0.002	ND
Organic chemicals - volatiles:			
Benzene	0.005	0.001	ND
Vinyl Chloride	0.002	0.001	ND
Carbon Tetrachloride	0.005	0.001	ND
1,2-Dichloroethane	0.005	0.001	ND

Analysis performed	MCL (mg/l)	Detection Level	Level Detected
Trichloroethylene	0.005	0.001	ND
1,4-Dichlorobenzene	0.075	0.001	ND
1,1-Dichloroethylene	0.007	0.001	ND
1,1,1,-Trichloroethane	0.20	0.001	ND
Bromobenzene	---	0.002	ND
Bromomethane	---	0.002	ND
Chlorobenzene	0.1	0.001	ND
Chloroethane	---	0.002	ND
Chloromethane	---	0.002	ND
2-Dichlorotoluene	---	0.001	ND
4-Dichlorotoluene	---	0.001	ND
Dibromochloropropane (DBCP)	---	0.001	ND
Dibromomethane	---	0.002	ND
1,2-Dichlorobenzene	0.6	0.001	ND
1,3-Dichlorobenzene	---	0.001	ND
Dichlorodifluoromethane	---	0.002	ND
1,1-Dichloroethane	---	0.002	ND
Trans-1,2-Dichloroethylene	0.1	0.002	ND
cis-1,2-Dichloroethylene	0.07	0.002	ND
Dichloromethane	0.005	0.002	ND
1,2-Dichloropropane	0.005	0.002	ND
trans-1,3-Dichloropropene	---	0.002	ND
1-3-Dichloropropene	---	0.002	ND
2,2-Dichloropropane	---	0.002	ND
1,1-Dichloropropene	---	0.002	ND
1,3-Dichloropropane	---	0.002	ND
Ethylbenzene	0.7	0.001	ND
Ethylenedibromide (EDB)	---	0.001	ND
Styrene	0.1	0.001	ND
1,1,1,2-Tetrachloroethane	---	0.002	ND
1,1,2,2-Tetrachloroethane	---	0.002	ND
Tetrachloroethylene (PCE)	0.005	0.002	ND
1,2,3-Trichlorobenzene	---	0.002	ND
1,2,4-Trichlorobenzene	---	0.002	ND
1,1,2-Trichloroethane	0.005	0.002	ND
Trichlorofluoromethane	---	0.002	ND
1,2,3-Trichloropropane	---	0.002	ND
Toluene	1.0	0.001	ND
Xylene	10	0.001	ND

NOTE: SEVERAL UNIDENTIFIED COMPOUNDS WERE DETECTED IN THE AROMATIC VOC SCAN.

I certify that the analyses performed for this report are accurate, and that the laboratory tests were conducted by methods approved by the U.S. Environmental Protection Agency or variations of these EPA methods. These test results are intended to be used for informational purposes only and may not be used for regulatory compliance.

PRESIDENT, NATIONAL TESTING LABORATORIES, INC.

TEST WELL E-4

(No Chemistry Available)

HYDROGEOLOGIC BOREHOLE LOG FOR WELL E-4 in NEW BALTIMORE

Project: New Baltimore Service District
Driller: Singhas & Michael, Corp.
Geologist: K. C. Hardcastle, Ph.D.
Date Drilled: August 23-24, 1993

Well #: E-4

TEST WELL DATA for Well#: E-4
Static Water Level: ND
Depth to bedrock: 14'
Well Diameter: 6" **Air-Lift Yield : 20 gpm**
Total Depth: 460'
Casing Length: 35' x 6"

DEPTH (feet)	AIR-LIFT YIELD (gpm)	WELL LOG	DESCRIPTION (color/grain size/structure/composition/trace minerals)
0			Moderately brown, micaceous, quartz clast-rich, silty loam.
10			BEDROCK at 14': weathered graphitic schist.
20			
30			34-36': WATER-BEARING ZONE: 15 gpm.
40	15		
50			
60			
70			70': 1% calcite-filled fractures.
80			80': 2% chalcopyrite/pyrite + calcite veinlets (<3mm wide)
90			90': 4% chalcopyrite/pyrite + calcite veinlets (<3mm wide). 97': 10% coarse crystalline calcite vein fragments.
100	17		100': WATER-BEARING ZONE. 10% coarse crystalline quartz (vein) fragments.
110			
120			
130			130': 3% chalcopyrite/pyrite + calcite-filled fractures.
140			142-144': 20% pale gray, very fine- to fine-grained, well foliated feldspathic layers (3-8mm thick).
150			150': 3% coarse crystalline calcite vein fragments and <1% kaolinite+chlorite fracture-filling fragments. 158': 60%
160			Moderately pale green to grayish green, fine-grained, well foliated, granular chlorite-feldspar schist; 40% medium-
170			grained, calcite-feldspar-chlorite vein fragments. 170': graphitic schist.
180			
190			195': Gray green, quartz-rich, granular chlorite-feldspar-quartz schist with 2-5% pyrite grains. 198': 8% coarse
200			clear quartz (vein?) fragments. 210': 5% bluish-green chlorite-coated fractures; small WATER-BEARING ZONE.
210	20		213': 40% coarse crystalline clear quartz+calcite veins. 221-223': 20% medium crystalline quartz+calcite vein
220			fragments; 2% kaolinite fracture-filling fragments at 223'. 224': graphite-bearing granofels.
230			
240			
250			253': graphitic schist.
260			260': 5% very fine, disseminated chalcopyrite/pyrite grains.
270			
280			
290			
300			
310			
320			
330			
340			340': 3% quartz-calcite veinlet fragments.
350			
360			
370			
380			
390			390': 8% coarse fragments of clear quartz vein material; trace calcite as fracture fillings and matrix grains.
400			400': 8% calcite-quartz vein fragments.
410			
420			420': 3% calcite-filled fractures.
430			
440			
450			
460	20		460': **END OF BORING.**

Cuttings of bedrock collected at 10 foot intervals and at changes in lithology.

VEIN - Clear to white, medium to coarse crystalline, quartz +- calcite vein fragments.

UNCONSOLIDATED OVERBURDEN - Micaceous, silty saprolite with clasts of quatz.

GRAPHITIC SCHIST - Blackish gray to dark gray, shiny, well foliated, strongly to moderately lineated (related to tight, mm-scale crenulations), fine-grained graphitic schist to granular graphite-bearing schist to graphitic granofels.

WATER BEARING ZONE - where yield of well increased.

Form GW-2
1"=10,000

COMMONWEALTH OF VIRGINIA

WATER WELL COMPLETION REPORT

• BWCM No. _____

(Certification of Completion/County Permit)

State Water Control Board
P.O. Box 11143
2111 North Hamilton St.
Richmond, Va. 23230

SWCB Permit _____
County Permit SD-93-

Certification of inspecting official:
This well does _____ does not _____ meet code/low requirements.
S. _____
Date _____
For Office Use

County/City Fauquier
County/City Stamp

• Virginia Plane Coordinates
_____ N
_____ E
• Latitude & Longitude
_____ N
_____ W
• Topo. Map No. _____
• Elevation _____ ft.
• Formation _____
• Lithology _____
• River Basin _____
• Province _____
• Type Logs _____
• Cuttings _____
• Water Analysis _____
• Aquifer Test _____

• Owner Fauquier County (Emery & Garrett job)
• Well Designation or Number # E-4 #8 drilled
Address P.O. Box 3047
Warrenton, VA 22186
Phone 349-2092 (Emery & Garrett-603-279-4425)

• Drilling Contractor SINGHAS & MICHAEL CORP.
Address RT. 3, BOX 5062
BERRYVILLE, VA 22611
Phone 703-955-3582

Tax Map I.D. No. 6995-02-2586
Subdivision _____
Section _____
Block _____
Lot _____
Class Well: I _____, IIA _____, IIB _____, IIIA _____, IIIB -yes
IIIC _____ IIID _____ IIIE _____

WELL LOCATION: _____ (feet/miles) _____ (direction) of _____
and _____ feet/miles _____ (direction) of New Baltimore
(If possible please include map showing location marked)

Date started 8/23/93 • Date completed 8/24/93 Type rig air rotary

1. WELL DATA: New yes Reworked _____ Deepened _____
• Total depth 460 ft.
• Depth to bedrock 31 ft.
• Hole size (Also include reamed zones)
• _____ inches from _____ to _____ ft.
• 10 inches from 0 to 34 ft.
• 6 inches from 34 to 460 ft.
• Casing size (I.D.) and material
• 6 inches from +1 to 35 ft.
Material steel
Wt. per foot 18.97 or wall thickness .280 in.
• _____ inches from _____ to _____ ft.
Material _____
Wt. per foot _____ or wall thickness _____ in.
• _____ inches from _____ to _____ ft.
Material _____
Wt. per foot _____ or wall thickness _____ in.
• Screen size and mesh for each zone (where applicable)
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• Gravel pack
• From _____ to _____ ft.
• From _____ to _____ ft.
• Grout
From _____ to _____ ft., Type _____
• From _____ to _____ ft., Type _____

2. WATER DATA • Water temperature 52 °F
• Static water level (unpumped level-measured) _____ ft.
• Stabilized measured pumping water level _____ ft.
• Stabilized yield 20 gpm after _____ hours
Natural Flow: Yes _____ No no, flow rate: _____ gpm
Comment on quality clear
3. WATER ZONES: From 40' To 20GPM
From _____ To _____, From _____ To _____
From _____ To _____, From _____ To _____
4. USE DATA:
Type of use: Drinking yes, Livestock Watering _____
Irrigation _____ Food processing _____, Household _____
Manufacturing _____, Fire safety _____, Cleaning _____
Recreation _____, Aesthetic _____, Cooking or heating _____
Injection _____, Other _____
• Type of facility: Domestic _____, Public water supply yes
Public institution _____ Farm _____, Industry _____
Commercial _____, Other _____
5. PUMP DATA: Type _____ • Rated H.P. _____
• Intake depth _____ • Capacity _____ at _____ head
6. WELLHEAD: Type well seal _____
Pressure tank _____ gal., Loc. _____
Sample tap _____, Measurement port _____
Well vent _____, Pressure relief valve _____
Gate valve _____, Check valve (when required) _____
Electrical disconnect switch on power supply _____
7. DISINFECTION: Well disinfected _____ yes _____ no
Date _____, Disinfectant used _____
Amount _____, Hours used _____
8. ABANDONMENT (where applicable) • yes _____ no _____
Casing pulled yes _____ no _____ not applicable _____
Plugging grout From _____ to _____ material _____

OVER

Owner Fauquier WSA

SO- 93-6995-02-2586

BWCM No. _____

9. State law requires submitting to the Virginia State Water Control Board information about groundwater and wells for every well made in the State intended for water, or any other non-exempt well. This information must be submitted whether the well is completed, on standby, or abandoned. Information required includes: an accurately and completely prepared water well completion report, full data from any aquifer pumping tests, drill cuttings taken at ten foot intervals (unless exemption is secured), the results of any chemical analyses, and copies of any geophysical logs. Quarterly pumpage and use reports are required from owners of public supply and industrial wells. County or State permits to drill may be required in some parts of the state. Some counties require submission of a water well completion report. The Virginia State Health Department requires a water well completion report for public supply wells.

10. DRILLERS LOG (use additional Sheets if necessary)				11.	12. DIAGRAM OF WELL CONSTRUCTION (with dimensions)
DEPTH (feet) From	To	TYPE OF ROCK OR SOIL (color, material, fossils, hardness, etc.)	REMARKS (water, caving, cavities, broken, core, shot, etc.)	Drilling Time (Min.)	
0'	31'	overburden			
31	460	bluestone			
	460'	20 GPM -			

13. Well lot dedicated? _____; Size _____ ft. X _____ ft.; Well house? _____
Distance to nearest pollutant source _____ ft., Type _____
Distance to nearest property line _____ ft., Building _____ ft.

14. WATER SERVICE PIPE: Checked under _____ p.s.i. for _____ minutes. Pipe size _____ inches, Material _____
Installer _____
Date _____

15. I certify that the information contained herein is true and correct and that this well and/or system has been installed and constructed in accordance with the requirements for well construction as specified in compliance with appropriate county or independent city ordinances and the laws and rules of the Commonwealth of Virginia.

Signature _____ (Seal) Date _____
(Well driller or authorized person)
License No. #42

WWC 2705-014285 class B

State Water Control Board Regional Offices

Valley Reg. Off.
16[illegible] North Main Street
P. O. Box 268
Bridgewater, Va. 22812
703-828-2595

Piedmont Reg. Off.
4010 West Broad Street
P. O. Box 6616
Richmond, Va. 23230
804-257-1006

Southwest Reg. Off.
[illegible] West Main Street
P. O. Box 476
Abingdon, Va. 24210
703-628-5183

Tidewater Reg. Off.
287 Pembroke Office Park
Suite 310 Pembroke No. 2
Va. Beach, Va. 23462
804-499-8742

West Central Reg. Off.
Executive Park
5312 Peters Creek Road
Roanoke, Va. 24019
703-982-7432

Northern Virginia Reg. Off.
5515 Cherokee Avenue
Suite 404
Alexandria, Va. 22312
703-750-9111

PRODUCTION WELL E-6

Emery & Garrett Groundwater, Inc.

HYDROGEOLOGIC BOREHOLE LOG FOR WELL E-6 in NEW BALTIMORE

Project: New Baltimore Service District
Driller: Singhas & Michael Corp.
Geologist: K. C. Hardcastle, Ph.D.
Date Drilled: June 15-16, 1994

Well #: E-6

TEST WELL DATA for Well#: E-6
Static Water Level: ND
Depth to bedrock: 18'
Well Diameter: 6" **Air-Lift Yield : 300 gpm**
Total Depth: 300'
Casing Length: 84' x 6"

PRODUCTION WELL DATA for Well #: E-6
Date of Reaming: August/17-19/94
Total Length of 8" Casing: 94' **Final Air-Lift Yield: 400+ gpm**
Depth of 8" Reaming: 295'

DEPTH (feet)	AIR-LIFT YIELD (gpm)	WELL LOG	DESCRIPTION (color/grain size/structure/composition/trace minerals)
0			0-3': Brown-yellow-green, silty, clayey loam. 3-18' Micaceous, silty-clayey saprolite after schist.
10			18':BEDROCK - Dark steel-gray, shiny, micaceous, fine-grained GRAPHITIC SCHIST.
20			
30			
40	3		Trace of water; yield is about 3 gpm.
50			50-53': Gray GRANOFELS. WATER-BEARING ZONE (roughly 20-30 gpm).
60	85		53': GRAPHITIC SCHIST with 2% limonite-coated fractures. WATER-BEARING ZONE at 60' - total yield is 85 gpm.
70	170		69': WATER-BEARING ZONE. Numerous fragments of pyrite vein material (1-3cm thick; stockwork vein).
80			
90			90-100': GRAPHITIC SCHIST with 2-5% pyrite vein fragments. WATER-BEARING ZONE.
100	190		fragments.
110			
120	200		114': 6% quartz vein fragments. WATER-BEARING ZONE.
130			
140			
150			
160			
170			
180			
190			
200			
210			
220	230		216-218': GRAPHITIC SCHIST. **WATER-BEARING ZONE.**
230			
240	237		240': Silver-black-gray, GRAPHITIC SCHIST. **WATER-BEARING ZONE.**
250			
260			260': 5% bright green, talc-chlorite schist layers (<1cm thick).
270			275-280': 80% of cuttings are limonite -coated quartz vein fragments, coarse crystals of calcite and pyrite vein
280	>400		fragments. Host rock is 75% GRAPHITIC SCHIST and 25% GRANOFELS. **WATER BEARING ZONE.**
290	**Limit of 8"**		290': Moderately dark gray, fine- to medium-grained GRANOFELS with 5% fine-grained disseminated pyrite.
300	**Reaming**		298-300': Dark red-brown-black, medium-grained granular biotite SCHIST. 300': **END OF BORING.**

Cuttings of bedrock collected at 10 foot intervals and at changes in lithology.

VEIN - Irregular, tabular, pyrite vein comprised of fine pyrite crystals; margins are mostly botryoidal.

UNCONSOLIDATED OVERBURDEN - Micaceous, silty-clayey saprolite after schist.

SCHIST - Grayish-black to dark gray, shiny, well foliated, strongly to moderately lineated (related to tight, mm-scale crenulations), fine-grained, graphite schist to granular graphite-bearing schist to graphitic granofels; usually with 2-8% fine-grained disseminated

GRANOFELS - Milky greenish-gray to moderate to dark gray, fine- to medium-grained, moderately foliated, moderately well lineated, slightly micaceous and quartz-bearing, feldspathic granofels.

WATER BEARING ZONE - where yield of well increased.

COMMONWEALTH OF VIRGINIA

WATER WELL COMPLETION REPORT

• BWCM No. _____

(Certification of Completion/County Permit)

Water Control Board
P. O. Box 11143
2111 North Hamilton St.
Richmond, Va. 23230

SWCB Permit _____
County Permit SD-93-046

Certification of inspecting official:
This well does _____ does not _____ meet code/low requirements.
S. _____
Date _____
For Office Use

County/City Fauquier

County/City Stamp

• Virginia Plane Coordinates
_____ N
_____ E
Latitude & Longitude
_____ N
_____ W
• Topo. Map No. _____
• Elevation _____ ft.
• Formation _____
• Lithology _____
• River Basin _____
• Province _____
• Type Logs _____
• Cuttings _____
• Water Analysis _____
• Aquifer Test _____

• Owner Fauquier County (Emery & Garrett job)
• Well Designation or Number # E6 #22 well Drilled
Address P.O. Box 3047
Warrenton, VA 22186
Phone 349-2092 (Emery & Garrett-603-279-4425)

• Drilling Contractor SINGHAS & MICHAEL CORP.
Address RT. 3, BOX 5062
BERRYVILLE, VA 22611
Phone 703-955-3582

Tax Map I.D. No. 6995-79-4111
Subdivision _____
Section _____
Block _____
Lot _____
Class Well: I _____, IIA _____, IIB _____, IIIA _____, IIIB -yes-
IIIC _____ IIID _____ IIIE _____

WELL LOCATION: _____ (feet/miles) _____ (direction) of _____
and _____ feet/miles _____ (direction) of NEW BALTIMORE
(If possible please include map showing location marked)
6-15-94 6" 6-16-94

Date started 7-18-94 • Date completed 7-19-94 8" Type rig air rotary

WELL DATA: New yes Reworked _____ Deepened _____
• Total depth 300' 6" 295' 8" ft.
• Depth to bedrock 20 ft.
• Hole size (Also include reamed zones)
12 inches from 0 to 92 ft.
8 inches from 92 to 295 ft.
_____ inches from _____ to _____ ft.
• Casing size (I.D.) and material
8 inches from +2 to 94 ft.
Material steel
Wt. per foot 28.55 or wall thickness .322 in.
_____ inches from _____ to _____ ft.
Material _____
Wt. per foot _____ or wall thickness _____ in.
_____ inches from _____ to _____ ft.
Material _____
Wt. per foot _____ or wall thickness _____ in.
• Screen size and mesh for each zone (where applicable)
_____ inches from _____ to _____ ft.
Mesh size _____ Type _____
_____ inches from _____ to _____ ft.
Mesh size _____ Type _____
_____ inches from _____ to _____ ft.
Mesh size _____ Type _____
_____ inches from _____ to _____ ft.
Mesh size _____ Type _____
Gravel pack
From _____ to _____ ft.
From _____ to _____ ft.
Grout
From 0 to 87 ft., Type pressure Cement
From _____ to _____ ft., Type _____ 7-19-94

2. WATER DATA • Water temperature 52 °F
• Static water level (unpumped level-measured) 40' ft.
• Stabilized measured pumping water level _____ ft.
• Stabilized yield 400' gpm after _____ hours
Natural Flow: Yes _____ No no, flow rate: _____ gpm
Comment on quality clear
3. WATER ZONES: From 115 To 118
From 220 To 224, From _____ To _____
From _____ To _____, From _____ To _____
4. USE DATA:
Type of use: Drinking yes, Livestock Watering _____
Irrigation _____ Food processing _____, Household _____
Manufacturing _____, Fire safety _____, Cleaning _____
Recreation _____, Aesthetic _____, Cooking or heating _____
Injection _____, Other _____
• Type of facility: Domestic _____, Public water supply yes
Public institution _____ Farm _____, Industry _____
Commercial _____, Other _____
5. PUMP DATA: Type _____ • Rated H.P. _____
• Intake depth _____ • Capacity _____ at _____ head
6. WELLHEAD: Type well seal _____
Pressure tank _____ gal., Loc. _____
Sample tap _____, Measurement port _____
Well vent _____, Pressure relief valve _____
Gate valve _____, Check valve (when required) _____
Electrical disconnect switch on power supply _____
7. DISINFECTION: Well disinfected _____ yes _____ no
Date _____, Disinfectant used _____
Amount _____, Hours used _____
8. ABANDONMENT (where applicable) • yes _____ no _____
Casing pulled yes _____ no _____ not applicable _____
Plugging grout From _____ to _____ material _____

Owner Fauquier Co BWCM No. ____

SO-94-046 6995-79, 4111

9. State law requires submitting to the Virginia State Water Control Board information about groundwater and wells for every well made in the State intended for water, or any other non-exempt well. This information must be submitted whether the well is completed, on standby, or abandoned. Information required includes: an accurately and completely prepared water well completion report, full data from any aquifer pumping tests, drill cuttings taken at ten foot intervals (unless exemption is secured), the results of any chemical analyses, and copies of any geophysical logs. Quarterly pumpage and use reports are required from owners of public supply and industrial wells. County or State permits to drill may be required in some parts of the state. Some counties require submission of a water well completion report. The Virginia State Health Department requires a water well completion report for public supply wells.

10. DRILLERS LOG (use additional Sheets if necessary)

DEPTH (feet) From	DEPTH (feet) To	TYPE OF ROCK OR SOIL (color, material, fossils, hardness, etc.)	REMARKS (water, caving, cavities, broken, core, shot, etc.)	11. Drilling Time (Min.)
0	20'	overburden		
20'	295'	schist		

12. DIAGRAM OF WELL CONSTRUCTION (with dimensions)

13. Well lot dedicated? _____; Size _____ ft. X _____ ft.; Well house? _____
Distance to nearest pollutant source _____ ft., Type _____
Distance to nearest property line _____ ft., Building _____ ft.

14. WATER SERVICE PIPE: Checked under _____ p.s.i. for _____ minutes, Pipe size _____ inches, Material _____
Installer _____
Date _____

15. I certify that the information contained herein is true and correct and that this well and/or system has been installed and constructed in accordance with the requirements for well construction as specified in compliance with appropriate county or independent city ordinances and the laws and rules of the Commonwealth of Virginia.

Signature Anna Singhas (Seal) Date 7-28-94
(Well driller or authorized person)
License No. 152 #11

WWC 2705-014285 class B

State Water Control Board Regional Offices

Valley Reg. Off.
16 North Main Street
P. O. Box 268
Bridgewater, Va. 22812
703-828-2595

Piedmont Reg. Off.
4010 West Broad Street
P. O. Box 6616
Richmond, Va. 23230
804-257-1006

Southwest Reg. Off.
138 East Main Street
P. O. Box 476
Abingdon, Va. 24210
703-628-5183

Tidewater Reg. Off.
287 Pembroke Office Park
Suite 310 Pembroke No. 2
Va. Beach, Va. 23462
804-499-8742

West Central Reg. Off.
Executive Park
5312 Peters Creek Road
Roanoke, Va. 24019
703-982-7432

Northern Virginia Reg. Off.
5515 Cherokee Avenue
Suite 404
Alexandria, Va. 22312
703-750-9111

DATE COLLECTED	DATE RECEIVED	DATE COMPLETED	SAMPLE CODE
06/16/94	06/20/94	06/29/94	9660986

CUSTOMER ADDRESS

NEW BALT
E6

AFTER ORIGINAL

RECEIVED JUL - 5

DEALER ADDRESS

EMERY & GARRETT GROUNDWTR
170 WAUKEWAN ST
MEREDITH, NH 03253-

NATIONAL TESTING LABORATORIES INC.
6555 Wilson Mills Road
Cleveland, OH 44143
(216) 449-2525

DRINKING WATER ANALYSIS RESULTS

NOTE: "*" indicates that the MCL (Maximum Contaminant Level) has been exceeded, or in the case of pH is either too high OR too low.
"ND" indicates that none of this contaminant has been detected at or above our detection level.
"**" Result may be invalid due to lack of "Time Collected" or because the sample has exceeded the 30-hour time frame.
"BD" Bacteria destroyed due to lack of collection information or because the sample has exceeded the 48-hour time frame.
TNTC-Too Numerous To Count NBS-No Bacteria Submitted

Analysis performed	MCL (mg/l)	Detection Level	Level Detected
Microbiological:			
Total coliform (organism/100ml)	0	0	BD
Inorganic chemicals - metals:			
Aluminum	0.2	0.1	ND
Arsenic	0.05	0.010	ND
Barium	2.0	0.30	ND
Cadmium	0.005	0.002	ND
Chromium	0.1	0.004	ND
Copper	1.3	0.004	ND
Iron	0.3	0.020	0.21
Lead	0.015	0.002	ND
Manganese	0.05	0.004	0.062*
Mercury	0.002	0.001	ND
Nickel	0.1	0.02	ND
Selenium	0.05	0.002	ND
Silver	0.1	0.002	ND
Sodium	---	1.0	4.7
Zinc	5.0	0.004	0.004
Inorganic chemicals - other, and physical factors:			
Alkalinity (Total as CaCO3)	---	10.0	110
Chloride	250	5.0	ND
Fluoride	4.0	0.5	ND
Nitrate as N	10	0.5	ND
Nitrite as N	1.0	0.5	ND
Sulfate	250	5.0	6
Hardness (suggested limit = 100)		10.0	130*
pH (Standard Units)	6.5-8.5	---	7.9
Total Dissolved Solids	500	20.0	129
Turbidity (Turbidity Units)	1.0	0.1	0.4
Organic chemicals - trihalomethanes:			
Bromoform	---	0.004	ND
Bromodichloromethane	---	0.002	ND
Chloroform	---	0.002	ND
Dibromochloromethane	---	0.004	ND
Total THMs (sum of four above)	0.1	0.002	ND
Organic chemicals - volatiles:			
Benzene	0.005	0.001	ND
Vinyl Chloride	0.002	0.001	ND
Carbon Tetrachloride	0.005	0.001	ND
1,2-Dichloroethane	0.005	0.001	ND

Analysis performed	MCL (mg/l)	Detection Level	Level Detected
Trichloroethylene	0.005	0.001	ND
1,4-Dichlorobenzene	0.075	0.001	ND
1,1-Dichloroethylene	0.007	0.001	ND
1,1,1,-Trichloroethane	0.20	0.001	ND
Bromobenzene	---	0.002	ND
Bromomethane	---	0.002	ND
Chlorobenzene	0.1	0.001	ND
Chloroethane	---	0.002	ND
Chloromethane	---	0.002	ND
2-Chlorotoluene	---	0.001	ND
4-Chlorotoluene	---	0.001	ND
Dibromochloropropane (DBCP)	---	0.001	ND
Dibromomethane	---	0.002	ND
1,2-Dichlorobenzene	0.6	0.001	ND
1,3-Dichlorobenzene	---	0.001	ND
Dichlorodifluoromethane	---	0.002	ND
1,1-Dichloroethane	---	0.002	ND
Trans-1,2-Dichloroethylene	0.1	0.002	ND
cis-1,2-Dichloroethylene	0.07	0.002	ND
Dichloromethane	0.005	0.002	ND
1,2-Dichloropropane	0.005	0.002	ND
trans-1,3-Dichloropropene	---	0.002	ND
1,3-Dichloropropene	---	0.002	ND
2,2-Dichloropropane	---	0.002	ND
1,1-Dichloropropene	---	0.002	ND
1,3-Dichloropropane	---	0.002	ND
Ethylbenzene	0.7	0.001	ND
Ethylenedibromide (EDB)	---	0.001	ND
Styrene	0.1	0.001	ND
1,1,1,2-Tetrachloroethane	---	0.002	ND
1,1,2,2-Tetrachloroethane	---	0.002	ND
Tetrachloroethylene (PCE)	0.005	0.002	ND
1,2,4-Trichlorobenzene	---	0.002	ND
1,2,3-Trichlorobenzene	---	0.002	ND
1,1,2-Trichloroethane	0.005	0.002	ND
Trichlorofluoromethane	---	0.002	ND
1,2,3-Trichloropropane	---	0.002	ND
Toluene	1.0	0.001	ND
Xylene	10	0.001	ND
Organic chemicals - pesticides, herbicides & PCBs			
Alachlor	0.002	0.001	ND
Atrazine	0.003	0.002	ND
Chlordane	0.002	0.001	ND
Aldrin	---	0.002	ND
Dichloran	---	0.002	ND
Dieldren	---	0.001	ND
Endrin	0.002	0.0001	ND
Heptachlor	0.0004	0.0004	ND
Heptachlor Epoxide	0.0002	0.0001	ND
Hexachlorobenzene	0.001	0.0005	ND
Hexachlorocyclopentadiene	0.05	0.001	ND
Lindane	0.0002	0.0002	ND
Methoxychlor	0.04	0.002	ND
PCBs	0.0005	0.0005	ND
Pentachloronitrobenzene	---	0.002	ND
Silvex 2,4,5-TP	0.05	0.005	ND
Simazine	0.004	0.002	ND
Toxaphene	0.003	0.001	ND
Trifluralin	---	0.002	ND
2,4-D	0.07	0.010	ND

I certify that the analyses performed for this report are accurate, and that the laboratory tests were conducted by methods approved by the U.S. Environmental Protection Agency or variations of these EPA methods.

These test results are intended to be used for informational purposes only and may not be used for regulatory compliance.

PRESIDENT, NATIONAL TESTING LABORATORIES, INC.

PRODUCTION WELL E-7

Emery & Garrett Groundwater, Inc.

HYDROGEOLOGIC BOREHOLE LOG FOR WELL E-7 in NEW BALTIMORE

Project: New Baltimore Service District
Driller: Singhas & Michael, Corp.
Geologist: K. C. Hardcastle, Ph.D.
Date Drilled: April 28-29, 1994

Well #: E-7

TEST WELL DATA for Well#: E-7
Static Water Level: ND
Depth to bedrock: 6'
Well Diameter: 6" **Air-Lift Yield : 70 gpm**
Total Depth: 500'
Casing Length: 60' x 6"

PRODUCTION WELL DATA for Well #: E-7
Date of Reaming: August/12-13/94
Total Length of 8" Casing: 65' **Final Air-Lift Yield: 75 gpm**
Depth of 8" Reaming: 200'

DEPTH (feet)	AIR-LIFT YIELD (gpm)	WELL LOG	DESCRIPTION (color/grain size/structure/composition/trace minerals)
0			0-6': Brown-yellow-green silty loam. BEDROCK at 6': greenish-black GREENSTONE.
10			10-33': Highly weathered, friable, fractured greenstone. Increase in rock competency with depth.
20			
30			33': Polygonal fragments (2x2x3cm) of greenstone with sub-rounded and planar (fracture) surfaces.
40	20		40': Cuttings are wet. Fractured GREENSTONE with two or more weathered fracture sets.
50			
60			60': Set casing and sealed off upper water. Slightly foliated, resistant, fine-crystalline GREENSTONE.
70			
80	15		80': WATER-BEARING ZONE. 4% rusty-coated fractures.
90			82-83': Dark yellowish-brown, weathered, well foliated GREENSCHIST. 83': GREENSTONE.
100			100': 2% rusty-coated fractures.
110	45		115-117': WATER-BEARING ZONE; weathered GREENSCHIST and 5% quartz (vein) fragments.
120	60		120': WATER-BEARING ZONE; 8% coarse fragments of white and rust-stained quartz; 1% rusty-coated fractures.
130			fractures.
140			pyrite.
150	63		148-173': Grayish-black, well foliated, biotite SCHIST. 150': WATER-BEARING ZONE.
160			
170	70		173': WATER-BEARING ZONE; gray to greenish gray, feldspathic GRANOFELS with 5-8% clay fragments.
180			180-213': biotite 0-15% in a tan-gray, feldspathic GRANOFELS.
190	**Limit**		
200	**of 8"**		
210	**Reaming**		213': 70% gray GRANOFELS, and 30% shiny, blackish-gray, well foliated and lineated, biotite-graphite SCHIST.
220			217-220': biotite-graphite SCHIST.
230			220-233': 60% gray to brownish-gray, feldspathic GRANOFELS; 40% biotite-graphite SCHIST.
240			233-': Shiny, grayish-black, well foliated and lineated, fine to medium-grained, biotite-graphite SCHIST.
250			
260			
270			
280			
290			
300			300-': Shiny, grayish-black, well foliated and lineated, fine- to medium-grained, biotite-graphite SCHIST.
310			
320			
330			
340			
350			
360			
370			
380			
390			
400			

Cuttings of bedrock collected at 10 foot intervals and at changes in lithology.

HYDROGEOLOGIC BOREHOLE LOG FOR WELL E-7 in NEW BALTIMORE

Project: New Baltimore Service District
Driller: Singhas & Michael, Corp.
Geologist: K. C. Hardcastle, Ph.D.
Date Drilled: April 28-29, 1994

Well #: E-7

TEST WELL DATA for Well#: E-7
Static Water Level: ND
Depth to bedrock: 6'
Well Diameter: 6" **Air-Lift Yield : 70 gpm**
Total Depth: 500'
Casing Length: 60' x 6"

PRODUCTION WELL DATA for Well #: E-7
Date of Reaming: August/12-13/94
Total Length of 8" Casing: 65' **Final Air-Lift Yield: 70 gpm**
Depth of 8" Reaming: 200'

DEPTH (feet)	AIR-LIFT YIELD (gpm)	WELL LOG	DESCRIPTION (color/grain size/structure/composition/trace minerals)
410			
420			
430			
440			
450			
460			
470			
480			
490			500': END OF BORING. FINAL AIR-LIFT YIELD = 70 GPM.
500			

Cuttings of bedrock collected at 10 foot intervals and at changes in lithology.

VEIN - Clear to white, medium to coarse crystalline, quartz +- calcite vein fragments.

UNCONSOLIDATED OVERBURDEN - Silty loam.

GREENSTONE - Dark blackish-green to greenish-black, fine to medium crystalline, poorly to moderately foliated comprised primarily of amphibole and plagioclase. Where the rock is well foliated it is referred to as a GREENSCHIST.

SCHIST - Grayish-black to dark gray, shiny, well foliated, strongly to moderately lineated (related to tight, mm-scale crenulations), fine grained biotite-graphite schist to granular graphite-bearing schist to graphitic granofels; locally with 2-8% fine disseminated

GRANOFELS - Milky tanish gray to grayish white to brownish-gray, fine- to medium-grained, moderately well foliated, slightly micaceous and quartz-bearing, feldspathic granofels.

WATER BEARING ZONE - where yield of well increased.

NB

SW-2
10,000

COMMONWEALTH OF VIRGINIA
WATER WELL COMPLETION REPORT
(Certification of Completion/County Permit)

• BWCM No. _____

State Water Control Board
P.O. Box 11143
2111 North Hamilton St.
Richmond, Va. 23230

SWCB Permit _____
County Permit SD-94-044

Certification of inspecting official:
This well does ____ does not ____ meet code/law requirements.
S. _____
Date _____
For Office Use

County/City Fauquier
County/City Stamp

• Virginia Plane Coordinates
_____ N
_____ E
• Latitude & Longitude
_____ N
_____ W
• Topo. Map No. _____
• Elevation _____ ft.
• Formation _____
• Lithology _____
• River Basin _____
• Province _____
• Type Logs _____
• Cuttings _____
• Water Analysis _____
• Aquifer Test _____

• Owner Fauquier County (Emery & Garrett job)
• Well Designation or Number #18 E7
Address P.O. Box 3047
Warrenton, VA 22186
Phone 349-2092 (Emery & Garrett-603-279-4425)

• Drilling Contractor SINGHAS & MICHAEL CORP.
Address RT. 3, BOX 5062
BERRYVILLE, VA 22611
Phone 703-955-3582

Tax Map I.D. No. 6995-57-6353
Subdivision _____
Section _____
Block _____
Lot _____
Class Well: I ____, IIA ____, IIB ____, IIIA ____, IIIB -yes
IIIC ____ IIID ____ IIIE ____

WELL LOCATION: ____ (feet/miles) ____ (direction) of _____
and ____ feet/miles ____ (direction) of New Baltimore
(If possible please include map showing location marked)

4-28-94 6" well 4-29-94
Date started 7-12-94 • Date completed 7-13-94 Type rig air rotary

WELL DATA: New yes Reworked ____ Deepened ____
• Total depth 6" 500' 8" 200' ft.
• Depth to bedrock 58 ft.
• Hole size (Also include reamed zones)
• 12 inches from 0 to 63 ft.
• 8 inches from 63 to 200 ft.
• 6 inches from 200 to 500 ? ft.
• Casing size (I.D.) and material
• 8 inches from +2 to 65 ft.
Material steel
Wt. per foot 28.55 or wall thickness .322 in.
• ____ inches from ____ to ____ ft.
Material _____
Wt. per foot ____ or wall thickness ____ in.
• ____ inches from ____ to ____ ft.
Material _____
Wt. per foot ____ or wall thickness ____ in.
• Screen size and mesh for each zone (where applicable)
• ____ inches from ____ to ____ ft.
Mesh size ____ Type ____
____ inches from ____ to ____ ft.
• Mesh size ____ Type ____
____ inches from ____ to ____ ft.
Mesh size ____ Type ____
• ____ inches from ____ to ____ ft.
• Mesh size ____ Type ____
Gravel pack
• From ____ to ____ ft.
• From ____ to ____ ft.
Grout
• From 0 to 58 ft., Type pressure Cement
• From ____ to ____ ft., Type ____

2. WATER DATA • Water temperature 52 °F
• Static water level (unpumped level-measured) 20' ft.
• Stabilized measured pumping water level ____ ft.
• Stabilized yield 70+ gpm after ____ hours
Natural Flow: Yes ____ No no, flow rate: ____ gpm
Comment on quality clear
3. WATER ZONES: From 80' @ 15 GPM
From 120' @ 30 GPM From 125' @ 15 GPM
From 173' @ 10 GPM From ____ To ____
4. USE DATA:
Type of use: Drinking yes, Livestock Watering ____
Irrigation ____ Food processing ____, Household ____
Manufacturing ____, Fire safety ____, Cleaning ____
Recreation ____, Aesthetic ____, Cooling or heating ____
Injection ____, Other ____
• Type of facility: Domestic ____, Public water supply yes
Public institution ____, Farm ____, Industry ____
Commercial ____, Other ____
5. PUMP DATA: Type ____ • Rated H.P. ____
• Intake depth ____ • Capacity ____ at ____ head
6. WELLHEAD: Type well seal ____
Pressure tank ____ gal., Loc. ____
Sample tap ____, Measurement port ____
Well vent ____, Pressure relief valve ____
Gate valve ____, Check valve (when required) ____
Electrical disconnect switch on power supply ____
7. DISINFECTION: Well disinfected ____ yes ____ no
Date ____, Disinfectant used ____
Amount ____, Hours used ____
8. ABANDONMENT (where applicable) • yes ____ no ____
Casing pulled yes ____ no ____ not applicable ____
Plugging grout From ____ to ____ material ____

OVER

Owner Fauquier Co. BWCM No. _____

SD 94-044 6995-57-6353

9. State law requires submitting to the Virginia State Water Control Board information about groundwater and wells for every well made in the State intended for water, or any other non-exempt well. This information must be submitted whether the well is completed, on standby, or abandoned. Information required includes: an accurately and completely prepared water well completion report, full data from any aquifer pumping tests, drill cuttings taken at ten foot intervals (unless exemption is secured), the results of any chemical analyses, and copies of any geophysical logs. Quarterly pumpage and use reports are required from owners of public supply and industrial wells. County or State permits to drill may be required in some parts of the state. Some counties require submission of a water well completion report. The Virginia State Health Department requires a water well completion report for public supply wells.

10. DRILLERS LOG (use additional Sheets if necessary)

DEPTH (feet) From	To	TYPE OF ROCK OR SOIL (color, material, fossils, hardness, etc.)	REMARKS (water, caving, cavities, broken, core, shot, (etc.)	11. Drilling Time (Min.)
0	58	overburden		
58	200	schist		
200	BOTTOM	schist		

12. DIAGRAM OF WELL CONSTRUCTION (with dimensions)

13. Well lot dedicated? _____ ; Size _____ ft. X _____ ft.; Well house? _____
Distance to nearest pollutant source _____ ft., Type _____
Distance to nearest property line _____ ft., Building _____ ft.

14. WATER SERVICE PIPE: Checked under _____ p.s.i. for _____
minutes, Pipe size _____ inches, Material _____
Installer _____
Date _____

15. I certify that the information contained herein is true and correct and that this well and/or system has been installed and constructed in accordance with the requirements for well construction as specified in compliance with appropriate county or independent city ordinances and the laws and rules of the Commonwealth of Virginia.

Signature Dana Hughes (Seal) Date 7-28-94
(Well driller or authorized person)
License No. #2 #11

WWC 2705-014285 class B

State Water Control Board Regional Offices

Valley Reg. Off.
116 North Main Street
P. O. Box 268
Bridgewater, Va. 22812
703-828-2595

Piedmont Reg. Off.
4010 West Broad Street
P. O. Box 6616
Richmond, Va. 23230
804-257-1006

Southwest Reg. Off.
408 East Main Street
P. O. Box 476
Abingdon, Va. 24210
703-628-5183

Tidewater Reg. Off.
287 Pembroke Office Park
Suite 310 Pembroke No. 2
Va. Beach, Va. 23462
804-499-8742

West Central Reg. Off.
Executive Park
3312 Peters Creek Road
Roanoke, Va. 24019
703-982-7432

Northern Virginia Reg. Off.
5515 Cherokee Avenue
Suite 404
Alexandria, Va. 22312
703-750-9111

DATE COLLECTED	DATE RECEIVED	DATE COMPLETED	SAMPLE CODE
04/29/94	05/04/94	05/17/94	9650227

RECEIVED MAY 2 3 1994

NATIONAL TESTING LABORATORIES INC.
6555 Wilson Mills Road
Cleveland, OH 44143
(216) 449-2525

CUSTOMER ADDRESS

NEW BALT E7
FAUQUIER CO
CONCLUSION OF DRILLING
Air lift

DEALER ADDRESS

EMERY & GARRETT GROUNDWTR
170 WAUKEWAN ST
MEREDITH, NH 03253-

DRINKING WATER ANALYSIS RESULTS

NOTE: "*" indicates that the MCL (Maximum Contaminant Level) has been exceeded, or in the case of pH is either too high OR too low.
"ND" indicates that none of this contaminant has been detected at or above our detection level.
"**" Result may be invalid due to lack of "Time Collected" or because the sample has exceeded the 30-hour time frame.
"BD" Bacteria destroyed due to lack of collection information or because the sample has exceeded the 48-hour time frame.
TNTC-Too Numerous To Count NBS-No Bacteria Submitted

Analysis performed	MCL (mg/l)	Detection Level	Level Detected
Microbiological:			
Total coliform (organism/100ml)	0	0	BD
Inorganic chemicals - metals:			
Aluminum	0.2	0.1	ND
Arsenic	0.05	0.010	ND
Barium	2.0	0.30	ND
Cadmium	0.005	0.002	ND
Chromium	0.1	0.004	ND
Copper	1.3	0.004	0.006
Iron	0.3	0.020	ND
Lead	0.015	0.002	ND
Manganese	0.05	0.004	ND
Mercury	0.002	0.001	ND
Nickel	0.1	0.02	ND
Selenium	0.05	0.002	ND
Silver	0.1	0.002	ND
Sodium	---	1.0	4.9
Zinc	5.0	0.004	ND
Inorganic chemicals - other, and physical factors:			
Alkalinity (Total as CaCO3)	---	10.0	120
Chloride	250	5.0	ND
Fluoride	4.0	0.5	ND
Nitrate as N	10	0.5	0.9
Nitrite as N	1.0	0.5	ND
Sulfate	250	5.0	ND
Hardness (suggested limit = 100)		10.0	80
pH (Standard Units)	6.5-8.5	---	7.4
Total Dissolved Solids	500	20.0	110
Turbidity (Turbidity Units)	1.0	0.1	0.2
Organic chemicals - trihalomethanes:			
Bromoform	---	0.004	NA
Bromodichloromethane	---	0.002	NA
Chloroform	---	0.002	NA
Dibromochloromethane	---	0.004	NA
Total THMs (sum of four above)	0.1	0.002	NA
Organic chemicals - volatiles:			
Benzene	0.005	0.001	NA
Vinyl Chloride	0.002	0.001	NA
Carbon Tetrachloride	0.005	0.001	NA
1,2-Dichloroethane	0.005	0.001	NA

Analysis performed	MCL (mg/l)	Detection Level	Level Detected
Trichloroethylene	0.005	0.001	NA
1,4-Dichlorobenzene	0.075	0.001	NA
1,1-Dichloroethylene	0.007	0.001	NA
1,1,1,-Trichloroethane	0.20	0.001	NA
Bromobenzene	---	0.002	NA
Bromomethane	---	0.002	NA
Chlorobenzene	0.1	0.001	NA
Chloroethane	---	0.002	NA
Chloromethane	---	0.002	NA
2-Dichlorotoluene	---	0.001	NA
4-Dichlorotoluene	---	0.001	NA
Dibromochloropropane (DBCP)	---	0.001	NA
Dibromomethane	---	0.002	NA
1,2-Dichlorobenzene	0.6	0.001	NA
1,3-Dichlorobenzene	---	0.001	NA
Dichlorodifluoromethane	---	0.002	NA
1,1-Dichloroethane	---	0.002	NA
Trans-1,2-Dichloroethylene	0.1	0.002	NA
cis-1,2-Dichloroethylene	0.07	0.002	NA
Dichloromethane	0.005	0.002	NA
1,2-Dichloropropane	0.005	0.002	NA
trans-1,3-Dichloropropene	---	0.002	NA
1-3-Dichloropropene	---	0.002	NA
2,2-Dichloropropane	---	0.002	NA
1,1-Dichloropropene	---	0.002	NA
1,3-Dichloropropane	---	0.002	NA
Ethylbenzene	0.7	0.001	NA
Ethylenedibromide (EDB)	---	0.001	NA
Styrene	0.1	0.001	NA
1,1,1,2-Tetrachloroethane	---	0.002	NA
1,1,2,2-Tetrachloroethane	---	0.002	NA
Tetrachloroethylene (PCE)	0.005	0.002	NA
1,2,3-Trichlorobenzene	---	0.002	NA
1,2,4-Trichlorobenzene	---	0.002	NA
1,1,2-Trichloroethane	0.005	0.002	NA
Trichlorofluoromethane	---	0.002	NA
1,2,3-Trichloropropane	---	0.002	NA
Toluene	1.0	0.001	NA
Xylene	10	0.001	NA

I certify that the analyses performed for this report are accurate, and that the laboratory tests were conducted by methods approved by the U.S. Environmental Protection Agency or variations of these EPA methods. These test results are intended to be used for infromational purposes only and may not be used for regulatory compliance.

PRESIDENT, NATIONAL TESTING LABORATORIES, INC.

REV. 3-92

TEST WELL G-1

Emery & Garrett Groundwater, Inc.

HYDROGEOLOGIC BOREHOLE LOG FOR WELL G-1 in NEW BALTIMORE

Project: New Baltimore Service District
Driller: Singhas & Michael Corp.
Geologist: K. C. Hardcastle, Ph.D.
Date Drilled: June 14-15, 1994

Well #: G-1

TEST WELL DATA for Well#: G-1
Static Water Level: ND
Depth to bedrock: 3'
Well Diameter: 6" **Air-Lift Yield : 75 gpm**
Total Depth: 400'
Casing Length: 21' x 6"

DEPTH (feet)	AIR-LIFT YIELD (gpm)	WELL LOG	DESCRIPTION (color/grain size/structure/composition/trace minerals)
0			0-3': Tan-yellow, friable, weathered sandstone-clast rich saprolite. 3': BEDROCK - Gray green SANDSTONE.
10			12': Dark gray to grayish-black, micaceous, calcareous, fine grained SANDSTONE. Trace water.
20			20': Olive-black, calcareous, fine-grained SANDSTONE. 23': Grayish-red, micaceous SANDSTONE.
30			26': Moderate reddish-brown SILTSTONE and fine-grained SANDSTONE.
40			40': Bright reddish-brown, laminated SILTSTONE.
50			
60			
70			
80			
90	15		96': Small WATER-BEARING ZONE.
100			100': Dark brownish-black, graphite-bearing, fine- to medium-grained SANDSTONE.
110			
120	20		118': Dark gray-red-brown, micaceous, medium-grained SANDSTONE; WATER-BEARING ZONE.
130			
140	50		138': WATER-BEARING ZONE.
150			
160			154-170': Bright reddish-brown, fine-grained SANDSTONE.
170			170': Dark reddish-brown SANDSTONE.
180			
190			
200	55		Slight increase in yield from 138' to 200'.
210			
220			221': Grayish-green, micaceous, fine- to medium-grained SANDSTONE. 223': Red-brown SANDSTONE.
230	62		233': Lost circulation; WATER-BEARING ZONE.
240			
250			250': 50% reddish-brown, fine-grained SANDSTONE and SILTSTONE; 50% dark greenish-gray
260			SANDSTONE. 253': Dark dusky blue-green, massive, fine-grained, altered DIABASE with 2% calcite-filled
270			fractures. 20% SANDSTONE. 264': 90% altered (epidote-rich) DIABASE; and 10% red-brown
280			SANDSTONE. 270': Fine-grained DIABASE. 275': Medium-grained, dusky green DIABASE. 285': 1%
290			calcite-coated fractures and slickensides (fault surfaces). 286': Abrupt change to greenish-black, massive, very
300	75		fine-grained BASALT with 1% calcite-coated slickensides. 297': 2% calcite-zeolite filled vesicles and 3-8%
310			red-brown SANDSTONE. 300': 10-15% red SANDSTONE. 302': 20% Amygdaloidal BASALT and 80%
320			dark reddish-brown, non-micaceous SILTSTONE/fine-grained SANDSTONE. 308': Dark to moderate gray-
330			red-brown, micaceous, medium-grained SANDSTONE. 310': Red-brown SILTSTONE.
340			
350			
360			

Cuttings of bedrock collected at 10 foot intervals and at changes in lithology.

HYDROGEOLOGIC BOREHOLE LOG FOR WELL G-1 in NEW BALTIMORE

Project: New Baltimore Service District
Driller: Singhas & Michael Corp.
Geologist: K. C. Hardcastle, Ph.D.
Date Drilled: June 14-15, 1994

Well #: G-1

TEST WELL DATA for Well#: G-1
Static Water Level: ND
Depth to bedrock: 3'
Well Diameter: 6" **Air-Lift Yield : 75 gpm**
Total Depth: 400'
Casing Length: 21' x 6"

DEPTH (feet)	AIR-LIFT YIELD (gpm)	WELL LOG	DESCRIPTION (color/grain size/structure/composition/trace minerals)
370 380 390 400			370': Dark reddish brown, fine grained SANDSTONE.

Cuttings of bedrock collected at 10 foot intervals and at changes in lithology.

UNCONSOLIDATED OVERBURDEN - Friable, weathered saprolite with sandstone clasts.

BASALT - Black to greenish-black, fine- to very fine-grained, basalt with 0-3% amydules and typically 2-4% calcite-filled fractures and/or slickensides.

DIABASE - Dark dusky blue-green to moderate gray-green, massive, fine- to medium-grained diabase; locally groundmass contains up to 30% epidote.

SANDSTONE: Dark reddish-brown to very dusky-red, fine- to medium-grained sandstone and siltstone. Bedding is generally moderately developed and wavy, but locally laminar. Carbonate occasionally occurs in the matrix and mica is common and typically concentrated on bedding planes. Often interbedded with siltstone described below.

SILTSTONE: Dark reddish-brown to very dusky-red, siltstone and fine-grained sandstone. Bedding is generally moderately developed and laminar to wavy. Carbonate is common in the matrix but locally is only a minor constituent; mica is rare.

Medium gray to black to olive-black, very fine-grained SILTSTONE to fine-grained SANDSTONE, poorly to moderately wavy to laminar bedded, slightly to moderately calcareous. Occasionally carbonate is the major constituent: a micritic limestone.

SANDSTONE: Dark to medium gray to dusky grayish-green, fine- to medium-grained sandstone. Bedding is generally moderately developed and wavy, but locally laminar. Carbonate occasionally occurs in the matrix and mica is common and typically concentrated on bedding planes.

WATER BEARING ZONE - where yield of well increased.

...n GW-2
78-10,000

COMMONWEALTH OF VIRGINIA

WATER WELL COMPLETION REPORT

• BWCM No. _____

(Certification of Completion/County Permit)

State Water Control Board
P.O. Box 11143
2111 North Hamilton St.
Richmond, Va. 23230

SWCB Permit _____
County Permit SD-94-048

Certification of inspecting official:
This well does _____ does not _____ meet code/law requirements.
S. _____
Date _____
For Office Use

County/City Fauquier
County/City Stamp

Virginia Plane Coordinates
_____ N
_____ E
Latitude & Longitude
_____ N
_____ W
• Topo. Map No. _____
• Elevation _____ ft.
• Formation _____
• Lithology _____
• River Basin _____
• Province _____
• Type Logs _____
• Cuttings _____
• Water Analysis _____
• Aquifer Test _____

• Owner Fauquier County (Emery & Garrett job)
• Well Designation or Number # G1 # 2 well drilled
Address P.O. Box 3047
Warrenton, VA 22186
Phone 349-2092 (Emery & Garrett-603-279-4425)

• Drilling Contractor SINGHAS & MICHAEL CORP.
Address RT. 3, BOX 5062
BERRYVILLE, VA 22611
Phone 703-955-3582

Tax Map I.D. No. 7914-79-2156
Subdivision _____
Section _____
Block _____
Lot G1
Class Well: I _____, IIA _____, IIB _____, IIIA _____, IIIB yes
IIIC _____ IIID _____ IIIE _____

WELL LOCATION: _____ (feet/miles) _____ (direction) of _____
and _____ feet/miles _____ (direction) of New Baltimore
(If possible please include map showing location marked)

Date started 6/14/94 6" Hole • Date completed 6/15/94 8" Hole Type rig air rotary

1. WELL DATA: New yes Reworked _____ Deepened _____
• Total depth 400' (6") ft.
• Depth to bedrock 60 ft.
• Hole size (Also include reamed zones)
• 12 inches from _____ to _____ ft.
• 10 inches from 0 to 20 ft.
• 8 & 6 inches from 20 to 400 ft.
• Casing size (I.D.) and material
• 6" inches from +1 to 21' ft.
Material steel
Wt. per foot 8.97 or wall thickness .280 in.
• 8" inches from +2 to _____ ft.
Material Steel
Wt. per foot 28.55 or wall thickness .322 in.
• _____ inches from _____ to _____ ft.
Material _____
Wt. per foot _____ or wall thickness _____ in.
• Screen size and mesh for each zone (where applicable)
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• Gravel pack
• From _____ to _____ ft.
• From _____ to _____ ft.
• Grout
From _____ to _____ ft., Type _____
• From _____ to _____ ft., Type _____

2. WATER DATA • Water temperature 52 °F
• Static water level (unpumped level-measured) 15 ft.
• Stabilized measured pumping water level _____ ft.
• Stabilized yield 75 gpm after 3 hours
Natural Flow: Yes _____ No no, flow rate: _____ gpm
Comment on quality clear

3. WATER ZONES: From 96' to 15 GPM
From 118' S to 6 GPM. From 138' to 20 GPM
From 233 to 15 GPM. From 310 to 12 GPM
390' - 8 GPM

4. USE DATA:
Type of use: Drinking yes, Livestock Watering _____
Irrigation _____, Food processing _____, Household _____
Manufacturing _____, Fire safety _____, Cleaning _____
Recreation _____, Aesthetic _____, Cooling or heating _____
Injection _____, Other _____
• Type of facility: Domestic _____, Public water supply yes
Public institution _____, Farm _____, Industry _____
Commercial _____, Other _____

5. PUMP DATA: Type _____ • Rated H.P. _____
• Intake depth _____ • Capacity _____ at _____ head

6. WELLHEAD: Type well seal _____
Pressure tank _____ gal., Loc. _____
Sample tap _____, Measurement port _____
Well vent _____, Pressure relief valve _____
Gate valve _____, Check valve (when required) _____
Electrical disconnect switch on power supply _____

7. DISINFECTION: Well disinfected _____ yes _____ no
Date _____, Disinfectant used _____
Amount _____, Hours used _____

8. ABANDONMENT (where applicable) • yes _____ no _____
Casing pulled yes _____ no _____ not applicable _____
Plugging grout From _____ to _____ material _____

OVER

Owner Fauquier Co. BWCM No. _____

SD 94 048 7914-79-2151

9. State law requires submitting to the Virginia State Water Control Board information about groundwater and wells for every well made in the State ntended for water, or any other non-exempt well. This information must be submitted whether the well is completed, on standby, or abandoned. nformation required includes: an accurately and completely prepared water well completion report, full data from any aquifer pumping tests, drill cuttings taken at ten foot intervals (unless exemption is secured), the results of any chemical analyses, and copies of any geophysical logs. Quarterly pumpage and use reports are required from owners of public supply and industrial wells. County or State permits to drill may be required in some parts of the state. Some counties require submission of a water well completion report. The Virginia State Health Department requires a water well completion eport for public supply wells.

10. DRILLERS LOG (use additional Sheets if necessary)				11.	12. DIAGRAM OF WELL CONSTRUCTION (with dimensions)
DEPTH (feet) From	To	TYPE OF ROCK OR SOIL (color, material, fossils, hardness, etc.)	REMARKS (water, caving, cavities, broken, core, shot, (etc.)	Drilling Time (Min.)	
0'	6'	overburden			
6'	400	Red Rock			
	96	15 gpm	Water bearing zone		
	118	5 gpm			
	138	20 gpm			
	233	15 gpm			
	310	12 gpm			
	390	8 gpm			

13. Well lot dedicated? _____; Size _____ ft. X _____ ft.; Well house? _____
Distance to nearest pollutant source _____ ft., Type _____
Distance to nearest property line _____ ft., Building _____ ft.

14. WATER SERVICE PIPE: Checked under _____ p.s.i. for _____ minutes. Pipe size _____ inches, Material _____
Installer _____
Date _____

15. I certify that the information contained herein is true and correct and that this well and/or system has been installed and constructed in accordance with the requirements for well construction as specified in compliance with appropriate county or independent city ordinances and the laws and rules of the Commonwealth of Virginia.

Signature _____ (Seal), Date _____
(Well driller or authorized person)
License No. #42

WWC 2705-014285 class B

State Water Control Board Regional Offices

Valley Reg. Off.
11 North Main Street
P. Box 268
Bridgewater, Va. 22812
703-828-2595

Southwest Reg. Off.
40 East Main Street
P. Box 476
Abingdon, Va. 24210
703-628-5183

West Central Reg. Off.
Executive Park
5312 Peters Creek Road
Roanoke, Va. 24019
703-982-7432

Piedmont Reg. Off.
4010 West Broad Street
P. O. Box 6616
Richmond, Va. 23230
804-257-1006

Tidewater Reg. Off.
287 Pembroke Office Park
Suite 310 Pembroke No. 2
Va. Beach, Va. 23462
804-499-8742

Northern Virginia Reg. Off.
5515 Cherokee Avenue
Suite 404
Alexandria, Va. 22312
703-750-9111

DATE COLLECTED	DATE RECEIVED	DATE COMPLETED	SAMPLE CODE
06/15/94	06/17/94	06/28/94	9660934

CUSTOMER ADDRESS

NEW BALTIMORE

WELL G1 RECEIVED JUL - 1 1994

AFTER DRILLING

DEALER ADDRESS

EMERY & GARRETT GROUNDWTR
170 WAUKEWAN ST
MEREDITH, NH 03253-

NATIONAL TESTING LABORATORIES INC.
6555 Wilson Mills Road
Cleveland, OH 44143
(216) 449-2525

DRINKING WATER ANALYSIS RESULTS

NOTE: "*" indicates that the MCL (Maximum Contaminant Level) has been exceeded, or in the case of pH is either too high OR too low.
"ND" indicates that none of this contaminant has been detected at or above our detection level.
"**" Result may be invalid due to lack of "Time Collected" or because the sample has exceeded the 30-hour time frame.
"BD" Bacteria destroyed due to lack of collection information or because the sample has exceeded the 48-hour time frame.
TNTC-Too Numerous To Count NBS-No Bacteria Submitted

Analysis performed	MCL (mg/l)	Detection Level	Level Detected
Microbiological:			
Total coliform (organism/100ml)	0	0	BD
Inorganic chemicals - metals:			
Aluminum	0.2	0.1	ND
Arsenic	0.05	0.010	ND
Barium	2.0	0.30	ND
Cadmium	0.005	0.002	ND
Chromium	0.1	0.004	ND
Copper	1.3	0.004	ND
Iron	0.3	0.020	0.44*
Lead	0.015	0.002	ND
Manganese	0.05	0.004	0.10*
Mercury	0.002	0.001	ND
Nickel	0.1	0.02	ND
Selenium	0.05	0.002	ND
Silver	0.1	0.002	ND
Sodium	---	1.0	96
Zinc	5.0	0.004	0.006
Inorganic chemicals - other, and physical factors:			
Alkalinity (Total as CaCO3)	---	10.0	120
Chloride	250	5.0	7
Fluoride	4.0	0.5	ND
Nitrate as N	10	0.5	ND
Nitrite as N	1.0	0.5	ND
Sulfate	250	5.0	293*
Hardness (suggested limit = 100)		10.0	235*
pH (Standard Units)	6.5-8.5	---	7.9
Total Dissolved Solids	500	20.0	562*
Turbidity (Turbidity Units)	1.0	0.1	0.8
Organic chemicals - trihalomethanes:			
Bromoform	---	0.004	ND
Bromodichloromethane	---	0.002	ND
Chloroform	---	0.002	ND
Dibromochloromethane	---	0.004	ND
Total THMs (sum of four above)	0.1	0.002	ND
Organic chemicals - volatiles:			
Benzene	0.005	0.001	ND
Vinyl Chloride	0.002	0.001	ND
Carbon Tetrachloride	0.005	0.001	ND
1,2-Dichloroethane	0.005	0.001	ND

Analysis performed	MCL (mg/l)	Detection Level	Level Detected
Trichloroethylene	0.005	0.001	ND
1,4-Dichlorobenzene	0.075	0.001	ND
1,1-Dichloroethylene	0.007	0.001	ND
1,1,1,-Trichloroethane	0.20	0.001	ND
Bromobenzene	---	0.002	ND
Bromomethane	---	0.002	ND
Chlorobenzene	0.1	0.001	ND
Chloroethane	---	0.002	ND
Chloromethane	---	0.002	ND
2-Chlorotoluene	---	0.001	ND
4-Chlorotoluene	---	0.001	ND
Dibromochloropropane (DBCP)	---	0.001	ND
Dibromomethane	---	0.002	ND
1,2-Dichlorobenzene	0.6	0.001	ND
1,3-Dichlorobenzene	---	0.001	ND
Dichlorodifluoromethane	---	0.002	ND
1,1-Dichloroethane	---	0.002	ND
Trans-1,2-Dichloroethylene	0.1	0.002	ND
cis-1,2-Dichloroethylene	0.07	0.002	ND
Dichloromethane	0.005	0.002	ND
1,2-Dichloropropane	0.005	0.002	ND
trans-1,3-Dichloropropene	---	0.002	ND
1,3-Dichloropropene	---	0.002	ND
2,2-Dichloropropane	---	0.002	ND
1,1-Dichloropropene	---	0.002	ND
1,3-Dichloropropane	---	0.002	ND
Ethylbenzene	0.7	0.001	ND
Ethylenedibromide (EDB)	---	0.001	ND
Styrene	0.1	0.001	ND
1,1,1,2-Tetrachloroethane	---	0.002	ND
1,1,2,2-Tetrachloroethane	---	0.002	ND
Tetrachloroethylene (PCE)	0.005	0.002	ND
1,2,4-Trichlorobenzene	---	0.002	ND
1,2,3-Trichlorobenzene	---	0.002	ND
1,1,2-Trichloroethane	0.005	0.002	ND
Trichlorofluoromethane	---	0.002	ND
1,2,3-Trichloropropane	---	0.002	ND
Toluene	1.0	0.001	ND
Xylene	10	0.001	ND
Organic chemicals - pesticides, herbicides & PCBs			
Alachlor	0.002	0.001	ND
Atrazine	0.003	0.002	ND
Chlordane	0.002	0.001	ND
Aldrin	---	0.002	ND
Dichloran	---	0.002	ND
Dieldren	---	0.001	ND
Endrin	0.002	0.0001	ND
Heptachlor	0.0004	0.0004	ND
Heptachlor Epoxide	0.0002	0.0001	ND
Hexachlorobenzene	0.001	0.0005	ND
Hexachlorocyclopentadiene	0.05	0.001	ND
Lindane	0.0002	0.0002	ND
Methoxychlor	0.04	0.002	ND
PCBs	0.0005	0.0005	ND
Pentachloronitrobenzene	---	0.002	ND
Silvex 2,4,5-TP	0.05	0.005	ND
Simazine	0.004	0.002	ND
Toxaphene	0.003	0.001	ND
Trifluralin	---	0.002	ND
2,4-D	0.07	0.010	ND

I certify that the analyses performed for this report are accurate, and that the laboratory tests were conducted by methods approved by the U.S. Environmental Protection Agency or variations of these EPA methods.

These test results are intended to be used for informational purposes only and may not be used for regulatory compliance.

PRESIDENT, NATIONAL TESTING LABORATORIES, INC.

TEST WELL G-3

Emery & Garrett Groundwater, Inc.

HYDROGEOLOGIC BOREHOLE LOG FOR WELL G-3 in NEW BALTIMORE

Project: New Baltimore Service District
Driller: Singhas & Michael, Corp.
Geologist: K. C. Hardcastle, Ph.D.
Date Drilled: April 27-28, 1994

Well #: G-3

TEST WELL DATA for Well#: G-3
Static Water Level: Flowing
Depth to bedrock: 4'
Well Diameter: 6" **Air-Lift Yield : 190 gpm**
Total Depth: 340'
Casing Length: 20' x 6"

DEPTH (feet)	AIR-LIFT YIELD (gpm)	WELL LOG	DESCRIPTION (color/grain size/structure/composition/trace minerals)
0			0-4': Dark olive-brown silty-clayey loam. BEDROCK at 4': Olive-black calcareous SILTSTONE.
10			14': Moderate reddish-brown, fine-grained SANDSTONE and SILTSTONE.
20			
30			30': Micaceous, non-calcareous, medium-grained SANDSTONE.
40			
50			
60			
70			70-96': Dark grayish-green, micaceous, graphitic SANDSTONE.
80			
90			96-104': Dark reddish-brown to grayish-red, medium- to coarse-grained SANDSTONE.
100			
110			104-126': Grayish-green, micaceous, medium to coarse-grained SANDSTONE.
120			126': Medium to coarse grained, massive, micaceous, graphitic SANDSTONE.
130			136-156': Dark reddish-brown SILTSTONE and fine-grained SANDSTONE.
140	22		145': WATER-BEARING ZONE.
150			
160			
170	105		175 to 185': WATER-BEARING ZONE.
180			
190			
200			
210			
220			
230			
240	130		240': WATER-BEARING ZONE.
250	150		254': WATER-BEARING ZONE.
260			
270			
280			
290	175		294': WATER-BEARING ZONE.
300			
310			316': WATER-BEARING ZONE; 1' layer of dark gray, calcareous SILTSTONE and a few calcite-coated
320	190		fractures. 325': 1' thick layer of dark gray, calcareous SILTSTONE.
330			
340			340': END OF BORING. FINAL AIR-LIFT YIELD = 190 GPM.

Cuttings of bedrock collected at 10 foot intervals and at changes in lithology.

UNCONSOLIDATED OVERBURDEN: Silty, clayey loam.

SANDSTONE: Dark reddish brown to very dusky red, fine- to medium-grained sandstone and siltstone. Bedding is generally moderately developed and wavy, but locally laminar. Carbonate occasionally occurs in the matrix and mica is common and typically concentrated on bedding planes. Often interbedded with siltstone described below.

SILTSTONE: Dark reddish brown to very dusky red, siltstone and fine-grained sandstone. Bedding is generally poorly developed. Carbonate is common in the matrix but locally is only a minor constituent; mica is rare.

Medium gray to black, very fine SILTSTONE to fine SANDSTONE, poorly to moderately wavy to laminar bedded, slightly to moderately calcareous. Occasionally carbonate is the major constituent: a micritic limestone.

SANDSTONE: Dark to medium gray to pale green, fine- to medium-grained sandstone. Bedding is generally moderately developed and wavy, but locally laminar. Carbonate occasionally occurs in the matrix and mica is common and typically concentrated on bedding planes.

WATER BEARING ZONE - where yield of well increased.

Form GW-2
1:24,000

COMMONWEALTH OF VIRGINIA

WATER WELL COMPLETION REPORT

• BWCM No. _____

(Certification of Completion/County Permit)

State Water Control Board
P. O. Box 11143
2111 North Hamilton St.
Richmond, Va. 23230

SWCB Permit _____
County Permit SD-94-049

Certification of inspecting official:
This well does _____ does not _____ meet code/law requirements.
S. _____
Date _____
For Office Use

County/City Fauquier
County/City Stamp

• Virginia Plane Coordinates
_____ N
_____ E
• Latitude & Longitude
_____ N
_____ W
• Topo. Map No. _____
• Elevation _____ ft.
• Formation _____
• Lithology _____
• Fiber Basin _____
• Province _____
• Type Logs _____
• Cuttings _____
• Water Analysis _____
• Aquifer Test _____

• Owner Fauquier County (Emery & Garrett job)
• Well Designation or Number #17 G-3
Address P.O. Box 3047
Warrenton, VA 22186
Phone 349-2092 (Emery & Garrett-603-279-4425)

• Drilling Contractor SINGHAS & MICHAEL CORP.
Address RT. 3, BOX 5062
BERRYVILLE, VA 22611
Phone 703-955-3582

Tax Map I.D. No. 7914-79 2156
Subdivision _____
Section _____
Block _____
Lot _____
Class Well: I _____, IIA _____, IIB _____, IIIA _____, IIIB yes
IIIC _____ IIID _____ IIIE _____

WELL LOCATION: _____ (feet/miles) _____ (direction) of _____
and _____ feet/miles _____ (direction) of New Baltimore
(If possible please include map showing location marked)

Date started 4/28/94 • Date completed 4/27/94 6" hole Type rig air rotary

1. WELL DATA: New yes Reworked _____ Deepened _____
• Total depth 340 (6") ft.
• Depth to bedrock 5 ft.
• Hole size (Also include reamed zones)
• 12 inches from _____ to _____ ft.
• 10 inches from 0' to 19 ft.
• 8 or 6 inches from 19 to 340 ft.
• Casing size (I.D.) and material
• 6 inches from +1 to 20 ft.
Material steel
Wt. per foot 18.97 or wall thickness .280 in.
• 8 inches from +2 to _____ ft.
Material Steel
Wt. per foot 28.55 or wall thickness .322 in.
• _____ inches from _____ to _____ ft.
Material _____
Wt. per foot _____ or wall thickness _____ in.
• Screen size and mesh for each zone (where applicable)
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• Gravel pack
• From _____ to _____ ft.
• From _____ to _____ ft.
• Grout
From _____ to _____ ft., Type _____
• From _____ to _____ ft., Type _____

2. WATER DATA • Water temperature 52 °F
• Static water level (unpumped level-measured) 15 ft.
• Stabilized measured pumping water level _____ ft.
• Stabilized yield 190 gpm after 3 hours
Natural Flow: Yes _____ No no, flow rate: _____ gpm
Comment on quality clear

3. WATER ZONES: From 145 To 22gpm 185' 83Gpm
From 240' To 25Gpm. From 254' To 20gpm
From 294' To 25Gpm From 316' To 15gpm

4. USE DATA:
Type of use: Drinking yes, Livestock Watering _____
Irrigation _____ Food processing _____, Household _____
Manufacturing _____, Fire safety _____, Cleaning _____
Recreation _____, Aesthetic _____, Cooking or heating _____
Injection _____, Other sanitary
• Type of facility: Domestic _____, Public water supply yes
Public institution _____ Farm _____, Industry _____
Commercial _____, Other _____

5. PUMP DATA: Type _____ • Rated H.P. _____
• Intake depth _____ • Capacity _____ at _____ head

6. WELLHEAD: Type well seal _____
Pressure tank _____ gal., Loc. _____
Sample tap _____, Measurement port _____
Well vent _____, Pressure relief valve _____
Gate valve _____, Check valve (when required) _____
Electrical disconnect switch on power supply _____

7. DISINFECTION: Well disinfected _____ yes _____ no
Date _____, Disinfectant used _____
Amount _____, Hours used _____

8. ABANDONMENT (where applicable) • yes _____ no _____
Casing pulled yes _____ no _____ not applicable _____
Plugging grout From _____ to _____ material _____

OVER

Owner Fauquier Co. BWCM No. _____

SD-94-049 7914-79-2156

State law requires submitting to the Virginia State Water Control Board information about groundwater and wells for every well made in the State intended for water, or any other non-exempt well. This information must be submitted whether the well is completed, on standby, or abandoned. Information required includes: an accurately and completely prepared water well completion report, full data from any aquifer pumping tests, drill cuttings taken at ten foot intervals (unless exemption is secured), the results of any chemical analyses, and copies of any geophysical logs. Quarterly-acreage and use-reports are required from owners of public supply and industrial wells. County or State permits to drill may be required in some parts of the state. Some counties require submission of a water well completion report. The Virginia State Health Department requires a water well completion report for public supply wells.

10. DRILLERS LOG (use additional Sheets if necessary)

DEPTH (feet) From	To	TYPE OF ROCK OR SOIL (color, material, fossils, hardness, etc.)	REMARKS (water, caving, cavities, broken, core, shot, etc.)	11. Drilling Time (Min.)
0	15	overburden		
15	340	redrock		
	145	22 GPM	Waterbearing Zones	
	185	83 "		
	240	25 "		
	254	20 "		
	294	25 "		
	316	15 "		

12. DIAGRAM OF WELL CONSTRUCTION (with dimensions)

13. Well lot dedicated? _____; Size _____ ft. X _____ ft.; Well house? _____
Distance to nearest pollutant source _____ ft., Type _____
Distance to nearest property line _____ ft., Building _____ ft.

14. WATER SERVICE PIPE: Checked under _____ p.s.i. for _____ minutes, Pipe size _____ inches, Material _____
Installer _____
Date _____

15. I certify that the information contained herein is true and correct and that this well and/or system has been installed and constructed in accordance with the requirements for well construction as specified in compliance with appropriate county or independent city ordinances and the laws and rules of the Commonwealth of Virginia.

Signature _____ (Seal) Date _____
(Well driller or authorized person)
License No. #42

WWC 2705-014285 class B

State Water Control Board Regional Offices

Valley Reg. Off.
116 North Main Street
P. O. Box 268
Bridgewater, Va. 22812
703-828-2595

Piedmont Reg. Off.
4010 West Broad Street
P. O. Box 6616
Richmond, Va. 23230
804-257-1006

Southwest Reg. Off.
408 East Main Street
P. O. Box 476
Abingdon, Va. 24210
703-628-5183

Tidewater Reg. Off.
287 Pembroke Office Park
Suite 310 Pembroke No. 2
Va. Beach, Va. 23462
804-499-8742

West Central Reg. Off.
Executive Park
5311 Peters Creek Road
Roanoke, Va. 24019
703-982-7432

Northern Virginia Reg. Off.
5515 Cherokee Avenue
Suite 404
Alexandria, Va. 22312
703-750-9111

RECEIVED MAY 16 1994

DATE COLLECTED	DATE RECEIVED	DATE COMPLETED	SAMPLE CODE
04/28/94	05/02/94	05/11/94	9650021

CUSTOMER ADDRESS

NEW BALT
G3

0.45 µm METALS AIR LIFT INK

DEALER ADDRESS

EMERY & GARRETT GROUNDWTR
170 WAUKEWAN ST
MEREDITH, NH 03253-

NATIONAL TESTING LABORATORIES Inc.
6555 Wilson Mills Road
Cleveland, OH 44143
(216) 449-2525

DRINKING WATER ANALYSIS RESULTS

NOTE: "*" indicates that the MCL (Maximum Contaminant Level) has been exceeded, or in the case of pH is either too high OR too low.
"ND" indicates that none of this contaminant has been detected at or above our detection level.
"**" Result may be invalid due to lack of "Time Collected" or because the sample has exceeded the 30-hour time frame.
"BD" Bacteria destroyed due to lack of collection information or because the sample has exceeded the 48-hour time frame.
TNTC-Too Numerous To Count NBS-No Bacteria Submitted

Analysis performed	MCL (mg/l)	Detection Level	Level Detected
Microbiological:			
Total coliform (organism/100ml)	0	0	BD
Inorganic chemicals - metals:			
Aluminum	0.2	0.1	ND
Arsenic	0.05	0.010	ND
Barium	2.0	0.30	ND
Cadmium	0.005	0.002	ND
Chromium	0.1	0.004	ND
Copper	1.3	0.004	ND
Iron	0.3	0.020	0.17
Lead	0.015	0.002	ND
Manganese	0.05	0.004	0.076*
Mercury	0.002	0.001	ND
Nickel	0.1	0.02	ND
Selenium	0.05	0.002	ND
Silver	0.1	0.002	ND
Sodium	---	1.0	59
Zinc	5.0	0.004	0.005
Inorganic chemicals - other, and physical factors:			
Alkalinity (Total as CaCO3)	---	10.0	95
Chloride	250	5.0	9
Fluoride	4.0	0.5	ND
Nitrate as N	10	0.5	ND
Nitrite as N	1.0	0.5	ND
Sulfate	250	5.0	327*
Hardness (suggested limit = 100)		10.0	295*
pH (Standard Units)	6.5-8.5	---	7.6
Total Dissolved Solids	500	20.0	571*
Turbidity (Turbidity Units)	1.0	0.1	0.6
Organic chemicals - trihalomethanes:			
Bromoform	---	0.004	ND
Bromodichloromethane	---	0.002	ND
Chloroform	---	0.002	ND
Dibromochloromethane	---	0.004	ND
Total THMs (sum of four above)	0.1	0.002	ND
Organic chemicals - volatiles:			
Benzene	0.005	0.001	ND
Vinyl Chloride	0.002	0.001	ND
Carbon Tetrachloride	0.005	0.001	ND
1,2-Dichloroethane	0.005	0.001	ND

 Sample code: 9650021

Analysis performed	MCL (mg/l)	Detection Level	Level Detected
Trichloroethylene	0.005	0.001	ND
1,4-Dichlorobenzene	0.075	0.001	ND
1,1-Dichloroethylene	0.007	0.001	ND
1,1,1,-Trichloroethane	0.20	0.001	ND
Bromobenzene	---	0.002	ND
Bromomethane	---	0.002	ND
Chlorobenzene	0.1	0.001	ND
Chloroethane	---	0.002	ND
Chloromethane	---	0.002	ND
2-Dichlorotoluene	---	0.001	ND
4-Dichlorotoluene	---	0.001	ND
Dibromochloropropane (DBCP)	---	0.001	ND
Dibromomethane	---	0.002	ND
1,2-Dichlorobenzene	0.6	0.001	ND
1,3-Dichlorobenzene	---	0.001	ND
Dichlorodifluoromethane	---	0.002	ND
1,1-Dichloroethane	---	0.002	ND
Trans-1,2-Dichloroethylene	0.1	0.002	ND
cis-1,2-Dichloroethylene	0.07	0.002	ND
Dichloromethane	0.005	0.002	ND
1,2-Dichloropropane	0.005	0.002	ND
trans-1,3-Dichloropropene	---	0.002	ND
1-3-Dichloropropene	---	0.002	ND
2,2-Dichloropropane	---	0.002	ND
1,1-Dichloropropene	---	0.002	ND
1,3-Dichloropropane	---	0.002	ND
Ethylbenzene	0.7	0.001	ND
Ethylenedibromide (EDB)	---	0.001	ND
Styrene	0.1	0.001	ND
1,1,1,2-Tetrachloroethane	---	0.002	ND
1,1,2,2-Tetrachloroethane	---	0.002	ND
Tetrachloroethylene (PCE)	0.005	0.002	ND
1,2,3-Trichlorobenzene	---	0.002	ND
1,2,4-Trichlorobenzene	---	0.002	ND
1,1,2-Trichloroethane	0.005	0.002	ND
Trichlorofluoromethane	---	0.002	ND
1,2,3-Trichloropropane	---	0.002	ND
Toluene	1.0	0.001	ND
Xylene	10	0.001	ND

I certify that the analyses performed for this report are accurate, and that the laboratory tests were conducted by methods approved by the U.S. Environmental Protection Agency or variations of these EPA methods. These test results are intended to be used for infromational purposes only and may not be used for regulatory compliance.

PRESIDENT, NATIONAL TESTING LABORATORIES, INC.

TEST WELL H-1

Emery & Garrett Groundwater, Inc.

HYDROGEOLOGIC BOREHOLE LOG FOR WELL H-1 in NEW BALTIMORE

Project: New Baltimore Service District
Driller: Singhas & Michael, Corp.
Geologist: K. C. Hardcastle, Ph.D.
Date Drilled: April 26-27, 1994

Well #: H-1

TEST WELL DATA for Well#: H-1
Static Water Level: ND
Depth to bedrock: 5'
Well Diameter: 6" **Air-Lift Yield : 150 gpm**
Total Depth: 480'
Casing Length: 20' x 6"

DEPTH (feet)	AIR-LIFT YIELD (gpm)	WELL LOG	DESCRIPTION (color/grain size/structure/composition/trace minerals)
0			0-5': Dark brown silty loam. BEDROCK at 5': Dark reddish-brown SANDSTONE.
10			
20			
30			
40			47-49': Black SILTSTONE, non-calcareous with 2% hematite+chlorite coated fractures. 50': Reddish-brown
50			SANDSTONE.
60			
70			
80			
90			
100	2		102': Small WATER-BEARING ZONE.
110			
120			
130			
140	15		148': WATER-BEARING ZONE.
150			
160			
170			
180			
190			
200			209-210': Black, calcareous, SILTSTONE and gray, fine-grained SANDSTONE from 210 to 216'.
210			216'-: Reddish-brown SANDSTONE.
220	75		220': WATER-BEARING ZONE.
230			
240			
250			
260			
270	130		272': WATER-BEARING ZONE. Tabular fragments of orange clay (fracture-filling) material = 3%.
280			
290			295-298': Dark gray and black, SILTSTONE and SANDSTONE.
300	135		300': WATER-BEARING ZONE.
310			
320	150		327': WATER-BEARING ZONE; black calcareous fine-grained SANDSTONE with 2% white calcite veinlets.
330			
340			
350			
360			360-381': SILTSTONE.
370			
380			381-388': Dark gray, fine-grained SANDSTONE and SILTSTONE.

Cuttings of bedrock collected at 10 foot intervals and at changes in lithology.

HYDROGEOLOGIC BOREHOLE LOG FOR WELL H-1 in NEW BALTIMORE

Project: New Baltimore Service District
Driller: Singhas & Michael, Corp.
Geologist: K. C. Hardcastle, Ph.D.
Date Drilled: April 26-27, 1994

Well #: H-1

TEST WELL DATA for Well#: H-1
Static Water Level: ND
Depth to bedrock: 5'
Well Diameter: 6" **Air-Lift Yield : 150 gpm**
Total Depth: 480'
Casing Length: 20' x 6"

DEPTH (feet)	AIR-LIFT YIELD (gpm)	WELL LOG	DESCRIPTION (color/grain size/structure/composition/trace minerals)
390			390-': Dark reddish-brown, medium-grained SANDSTONE.
400			
410			
420			420-421': Coarse grained SANDSTONE.
430			
440			
450			
460			
470			
480			480': BOTTOM OF HOLE. Final air-lift yield is 150 gpm.

Cuttings of bedrock collected at 10 foot intervals and at changes in lithology.

UNCONSOLIDATED OVERBURDEN: Silty loam.

SANDSTONE: Dark reddish brown to very dusky red, fine- to medium-grained sandstone and siltstone. Bedding is generally moderately developed and wavy, but locally laminar. Carbonate occasionally occurs in the matrix and mica is common and typically concentrated on bedding planes. Often interbedded with siltstone described below.

SILTSTONE: Dark reddish brown to very dusky red, siltstone and fine-grained sandstone. Bedding is generally poorly developed. Carbonate is common in the matrix but locally is only a minor constituent; mica is rare.

Medium gray to black, very fine SILTSTONE to fine SANDSTONE, poorly to moderately wavy to laminar bedded, slightly to moderately calcareous. Occasionally carbonate is the major constituent: a micritic limestone.

WATER BEARING ZONE - where yield of well increased.

...n GW-2
78-10,000

COMMONWEALTH OF VIRGINIA
WATER WELL COMPLETION REPORT

• BWCM No. _____

(Certification of Completion/County Permit)

...te Water Control Board
...O. Box 11143
...11 North Hamilton St.
Richmond, Va. 23230

SWCB Permit _____
County Permit SD-94-047
Certification of inspecting official:
This well does ____ does not ____ meet code/low requirements.
S. _____
Date _____
For Office Use

...unty/City Fauquier
County/City Stamp

...Virginia Plane Coordinates
_____ N
_____ E
...atitude & Longitude
_____ N
_____ W
• Topo. Map No. _____
...levation _____ ft.
...ormation _____
• Lithology _____
...iver Basin _____
...rovince _____
• Type Logs _____
• Cuttings _____
• ...ater Analysis _____
• ...quifer Test _____

• Owner Fauquier County (Emery & Carrett job)
• Well Designation or Number #16 H1
Address P.O. Box 3047
Warrenton, VA 22186
Phone 349-2092 (Emery & Garrett-603-279-4425)

• Drilling Contractor SINGHAS & MICHAEL CORP.
Address RT. 3, BOX 5062
BERRYVILLE, VA 22611
Phone 703-955-3582

Tax Map I.D. No. 7924-18-2978
Subdivision _____
Section _____
Block _____
Lot _____
Class Well: I _____, IIA _____, IIB _____, IIIA _____, IIIB yes
IIIC _____ IIID _____ IIIE _____

WELL LOCATION: _____ (feet/miles) _____ (direction) of _____
and _____ feet/miles _____ (direction) of New Baltimore
(If possible please include map showing location marked)

Date started 4/26/94 6'1 • Date completed 4/27/94 Type rig air rotary

1. ...ELL DATA: New yes Reworked _____ Deepened _____
• Total depth 480' (6") ft.
• ...epth to bedrock 5 ft.
...ole size (Also include reamed zones)
• 12 inches from _____ to _____ ft.
• 10 inches from 0 to 19 ft.
• Ran 6 inches from 19 to 480 ft.
...asing size (I.D.) and material
• 6 inches from +1 to 20 ft.
Material steel
Wt. per foot 18.97 or wall thickness .280 in.
• 8 inches from +2 to _____ ft.
Material Steel
Wt. per foot 28.55 or wall thickness .322 in.
• _____ inches from _____ to _____ ft.
Material _____
Wt. per foot _____ or wall thickness _____ in.
...creen size and mesh for each zone (where applicable)
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
...Gravel pack
• From _____ to _____ ft.
• From _____ to _____ ft.
...Grout
• From _____ to _____ ft., Type _____
• From _____ to _____ ft., Type _____

2. WATER DATA • Water temperature 52 °F
• Static water level (unpumped level-measured) 25' ft.
• Stabilized measured pumping water level _____ ft.
• Stabilized yield 150 gpm after 3 hours
Natural Flow: Yes ____ No no, flow rate: _____ gpm
Comment on quality clear

3. WATER ZONES: From 148 to 156PM
From 220 to 606PM From 272 to 556PM
From 300 to 56PM. From 329 to 156PM

4. USE DATA:
Type of use: Drinking yes, Livestock Watering _____
Irrigation _____ Food processing _____, Household _____
Manufacturing _____, Fire safety _____, Cleaning _____
Recreation _____, Aesthetic _____, Cooling or heating _____
Injection _____, Other explanatory
• Type of facility: Domestic _____, Public water supply yes
Public institution _____ Farm _____, Industry _____
Commercial _____, Other _____

5. PUMP DATA: Type _____ • Rated H.P. _____
• Intake depth _____ • Capacity _____ at _____ head

6. WELLHEAD: Type well seal _____
Pressure tank _____ gal., Loc. _____
Sample tap _____, Measurement port _____
Well vent _____, Pressure relief valve _____
Gate valve _____, Check valve (when required) _____
Electrical disconnect switch on power supply _____

7. DISINFECTION: Well disinfected _____ yes _____ no
Date _____, Disinfectant used _____
Amount _____, Hours used _____

8. ABANDONMENT (where applicable) • yes _____ no _____
Casing pulled yes _____ no _____ not applicable _____
Plugging grout From _____ to _____ material _____

OVER

or Langwin Co

SO-94 047 7924-18-2978

BWCM No. _____

9. State law requires submitting to the Virginia State Water Control Board information about groundwater and wells for every well made in the State intended for water, or any other non-exempt well. This information must be submitted whether the well is completed, on standby, or abandoned. Information required includes: an accurately and completely prepared water well completion report, full data from any aquifer pumping tests, drill cuttings taken at ten foot intervals (unless exemption is secured), the results of any chemical analyses, and copies of any geophysical logs. Quarterly pumpage and use-reports are required from owners of public supply and industrial wells. County or State permits to drill may be required in some parts of the state. Some counties require submission of a water well completion report. The Virginia State Health Department requires a water well completion report for public supply wells.

10. DRILLERS LOG (use additional Sheets if necessary)				11.	12. DIAGRAM OF WELL CONSTRUCTION (with dimensions)
DEPTH (feet) From	To	TYPE OF ROCK OR SOIL (color, material, fossils, hardness, etc.)	REMARKS (water, caving, cavities, broken, core, shot, (etc.)	Drilling Time (Min.)	
0	5	overburden			
5'	480'	redrock			
	148	15 GPM	Waterbearing zones		
	220	60 GPM			
	272	55 GPM			
	300	5 GPM			
	327	15 GPM			

13. Well for dedicated? _____; Size _____ ft. X _____ ft.; Well house? _____
Distance to nearest pollutant source _____ ft., Type _____
Distance to nearest property line _____ ft., Building _____ ft.

14. WATER SERVICE PIPE: Checked under _____ p.s.i. for _____ minutes. Pipe size _____ inches, Material _____
Installer _____
Date _____

15. I certify that the information contained herein is true and correct and that this well and/or system has been installed and constructed in accordance with the requirements for well construction as specified in compliance with appropriate county or independent city ordinances and the laws and rules of the Commonwealth of Virginia.

Signature _____ (Seal) Date _____
(Well driller or authorized person)

License No. 142

WWC 2705-014285 class B

ite Water Control Board Regional Offices

ley Reg. Off.
i No 1 Main Street
). Bo 268
sgewater, Va. 22812
-828-2595

Piedmont Reg. Off.
4010 West Broad Street
P. O. Box 6616
Richmond, Va. 23230
804-257-1006

inw Reg. Off.
Eas Main Street
). Bo 476
ngdon, Va. 24210
-628-5183

Tidewater Reg. Off.
287 Pembroke Office Park
Suite 310 Pembroke No. 2
Va. Beach, Va. 23462
804-499-8742

l Ce al Reg. Off.
Cutts Park
2 ters Creek Road
noke, Va. 24019
- 982-7432

Northern Virginia Reg. Off.
5515 Cherokee Avenue
Suite 404
Alexandria, Va. 22312
703-750-9111

RECEIVED MAY 16 1994

DATE COLLECTED	DATE RECEIVED	DATE COMPLETED	SAMPLE CODE
04/27/94	05/02/94	05/11/94	9650020

NATIONAL TESTING LABORATORIES Inc.
6555 Wilson Mills Road
Cleveland, OH 44143
(216) 449-2525

CUSTOMER ADDRESS

WELL #1
NEW BALTIMORE

AIR LIFT

DEALER ADDRESS

EMERY & GARRETT GROUNDWTR
170 WAUKEWAN ST
MEREDITH, NH 03253-

DRINKING WATER ANALYSIS RESULTS

NOTE: "*" indicates that the MCL (Maximum Contaminant Level) has been exceeded, or in the case of pH is either too high OR too low.
"ND" indicates that none of this contaminant has been detected at or above our detection level.
"**" Result may be invalid due to lack of "Time Collected" or because the sample has exceeded the 30-hour time frame.
"BD" Bacteria destroyed due to lack of collection information or because the sample has exceeded the 48-hour time frame.
TNTC-Too Numerous To Count NBS-No Bacteria Submitted

Analysis performed	MCL (mg/l)	Detection Level	Level Detected
Microbiological:			
Total coliform (organism/100ml)	0	0	BD
Inorganic chemicals - metals:			
Aluminum	0.2	0.1	ND
Arsenic	0.05	0.010	ND
Barium	2.0	0.30	ND
Cadmium	0.005	0.002	ND
Chromium	0.1	0.004	ND
Copper	1.3	0.004	ND
Iron	0.3	0.020	ND
Lead	0.015	0.002	ND
Manganese	0.05	0.004	ND
Mercury	0.002	0.001	ND
Nickel	0.1	0.02	ND
Selenium	0.05	0.002	ND
Silver	0.1	0.002	ND
Sodium	---	1.0	13
Zinc	5.0	0.004	ND
Inorganic chemicals - other, and physical factors:			
Alkalinity (Total as CaCO3)	---	10.0	105
Chloride	250	5.0	ND
Fluoride	4.0	0.5	ND
Nitrate as N	10	0.5	0.6
Nitrite as N	1.0	0.5	ND
Sulfate	250	5.0	11
Hardness (suggested limit = 100)		10.0	100
pH (Standard Units)	6.5-8.5	---	7.8
Total Dissolved Solids	500	20.0	128
Turbidity (Turbidity Units)	1.0	0.1	0.1
Organic chemicals - trihalomethanes:			
Bromoform	---	0.004	ND
Bromodichloromethane	---	0.002	ND
Chloroform	---	0.002	ND
Dibromochloromethane	---	0.004	ND
Total THMs (sum of four above)	0.1	0.002	ND
Organic chemicals - volatiles:			
Benzene	0.005	0.001	ND
Vinyl Chloride	0.002	0.001	ND
Carbon Tetrachloride	0.005	0.001	ND
1,2-Dichloroethane	0.005	0.001	ND

Analysis performed	MCL (mg/l)	Detection Level	Level Detected
Trichloroethylene	0.005	0.001	ND
1,4-Dichlorobenzene	0.075	0.001	ND
1,1-Dichloroethylene	0.007	0.001	ND
1,1,1,-Trichloroethane	0.20	0.001	ND
Bromobenzene	---	0.002	ND
Bromomethane	---	0.002	ND
Chlorobenzene	0.1	0.001	ND
Chloroethane	---	0.002	ND
Chloromethane	---	0.002	ND
2-Dichlorotoluene	---	0.001	ND
4-Dichlorotoluene	---	0.001	ND
Dibromochloropropane (DBCP)	---	0.001	ND
Dibromomethane	---	0.002	ND
1,2-Dichlorobenzene	0.6	0.001	ND
1,3-Dichlorobenzene	---	0.001	ND
Dichlorodifluoromethane	---	0.002	ND
1,1-Dichloroethane	---	0.002	ND
Trans-1,2-Dichloroethylene	0.1	0.002	ND
cis-1,2-Dichloroethylene	0.07	0.002	ND
Dichloromethane	0.005	0.002	ND
1,2-Dichloropropane	0.005	0.002	ND
trans-1,3-Dichloropropene	---	0.002	ND
1-3-Dichloropropene	---	0.002	ND
2,2-Dichloropropane	---	0.002	ND
1,1-Dichloropropene	---	0.002	ND
1,3-Dichloropropane	---	0.002	ND
Ethylbenzene	0.7	0.001	ND
Ethylenedibromide (EDB)	---	0.001	ND
Styrene	0.1	0.001	ND
1,1,1,2-Tetrachloroethane	---	0.002	ND
1,1,2,2-Tetrachloroethane	---	0.002	ND
Tetrachloroethylene (PCE)	0.005	0.002	ND
1,2,3-Trichlorobenzene	---	0.002	ND
1,2,4-Trichlorobenzene	---	0.002	ND
1,1,2-Trichloroethane	0.005	0.002	ND
Trichlorofluoromethane	---	0.002	ND
1,2,3-Trichloropropane	---	0.002	ND
Toluene	1.0	0.001	ND
Xylene	10	0.001	ND

I certify that the analyses performed for this report are accurate, and that the laboratory tests were conducted by methods approved by the U.S. Environmental Protection Agency or variations of these EPA methods. These test results are intended to be used for infromational purposes only and may not be used for regulatory compliance.

PRESIDENT, NATIONAL TESTING LABORATORIES, INC.

TEST WELL H-3

Emery & Garrett Groundwater, Inc.

HYDROGEOLOGIC BOREHOLE LOG FOR WELL H-3 in NEW BALTIMORE

Project: New Baltimore Service District
Driller: Singhas & Michael Corp.
Geologist: K. C. Hardcastle, Ph.D.
Date Drilled: June 13-14, 1994

Well #: H-3

TEST WELL DATA for Well#: H-3
Static Water Level: ND
Depth to bedrock: 7'
Well Diameter: 6" **Air-Lift Yield : 90 gpm**
Total Depth: 600'
Casing Length: 21' x 6"

DEPTH (feet)	AIR-LIFT YIELD (gpm)	WELL LOG	DESCRIPTION (color/grain size/structure/composition/trace minerals)
0			0-7': Dark red-brown, silty loam. BEDROCK at 7': Dark dusky reddish-brown, medium- to coarse-grained SANDSTONE. 13': Blackish-red, medium-grained to pebbly sandstone/wacke. 21': Dark red brown
10			
20			
30	5		35': WATER-BEARING ZONE.
40			
50			
60			
70			
80			
90	10		91': Lost circulation, 3x5x4cm size fragments with limonite-coated fracture surfaces; WATER-BEARING ZONE.
100			
110			
120			
130			134-140': 10 to 60% of cuttings are coarse sand to pebble size clasts (lithic fragments mostly greenstone/quartzite).
140			
150			
160			
170			
180			
190			
200	62		205': WATER-BEARING ZONE. Large fragments of thinly bedded, calcareous siltstone with limonite-coated fractures.
210			
220			
230			
240			
250			
260	77		Yield gradually increased to 77 gpm between 220' and 260'.
270			
280			
290			300': Dark gray-green red, massive, coarse-grained SANDSTONE with 20% lithic pebble size clasts of greenstone/quartzite.
300			

Cuttings of bedrock collected at 10 foot intervals and at changes in lithology.

HYDROGEOLOGIC BOREHOLE LOG FOR WELL H-3 in NEW BALTIMORE

Project: New Baltimore Service District
Driller: Singhas & Michael Corp.
Geologist: K. C. Hardcastle, Ph.D.
Date Drilled: June 13-14, 1994

Well #: H-3

TEST WELL DATA for Well#: H-3
Static Water Level: ND
Depth to bedrock: 7'
Well Diameter: 6" **Air-Lift Yield : 90 gpm**
Total Depth: 600'
Casing Length: 21' x 6"

DEPTH (feet)	AIR-LIFT YIELD (gpm)	WELL LOG	DESCRIPTION (color/grain size/structure/composition/trace minerals)
310			310': Dark reddish-brown, medium- to coarse-grained SANDSTONE.
320			
330			
340			
350			
360			
370			
380			
390			
400			
410			
420			
430			
440			442-452': Black, thinly and laminarly bedded, calcareous SILTSTONE.
450	84		452': WATER-BEARING ZONE at base of black layer.
460			
470			
480			
490			
500	90		Yield gradually increased to about 90 gpm between 460' and 500'.
510			
520			528-530': Dark greenish-gray, fine-grained SANDSTONE. 530': Dark dusky red-brown SANDSTONE.
530			
540			
550			558-561': Dark greenish-gray, fine-grained SANDSTONE and 20% black calcareous SILTSTONE.
560			561': Dark reddish-brown, micaceous, fine- to medium-grained SANDSTONE.
570			566-567': Fragments of calcite crystal veins to 1cm thick comprise 8% of the cuttings.
580			
590			
600			

Cuttings of bedrock collected at 10 foot intervals and at changes in lithology.

UNCONSOLIDATED OVERBURDEN: Silty loam.

SANDSTONE: Dark reddish-brown to very dusky-red, fine- to medium-grained sandstone and siltstone. Bedding is generally moderately developed and wavy, but locally laminar. Carbonate occasionally occurs in the matrix and mica is common and typically concentrated on bedding planes.

Medium gray to black, very fine-grained SILTSTONE.

Medium gray to black to olive-black, very fine-grained SILTSTONE to fine-grained SANDSTONE, poorly to moderately wavy to laminar bedded, slightly to moderately calcareous. Occasionally carbonate is the major constituent: a micritic limestone.

WATER BEARING ZONE - where yield of well increased.

...n GW-2
...78-10,000

COMMONWEALTH OF VIRGINIA
WATER WELL COMPLETION REPORT

• BWCM No. _____

(Certification of Completion/County Permit)

...ate Water Control Board
...O. Box 11143
2111 North Hamilton St.
Richmond, Va. 23230

SWCB Permit _____
County Permit SD-93- 467
Certification of inspecting official:
This well does ____ does not ____ meet code/law requirements.
S. _____
Date _____
For Office Use

County/City Fauquier
County/City Stamp

...Virginia Plane Coordinates
_____ N
_____ E
...atitude & Longitude
_____ N
_____ W
...opo. Map No. _____
Elevation _____ ft.
• Formation _____
• Lithology _____
...iver Basin _____
Province _____
• Type Logs _____
...uttings _____
...ater Analysis _____
• Aquifer Test _____

• Owner Fauquier County (Emery & Garrett job)
• Well Designation or Number # H3 #20
Address P.O. Box 3047
Warrenton, VA 22186
Phone 349-2092 (Emery & Garrett-603-279-4425)

• Drilling Contractor SINGHAS & MICHAEL CORP.
Address RT. 3, BOX 5062
BERRYVILLE, VA 22611
Phone 703-955-3582

Tax Map I.D. No. 7924-18-2978
Subdivision _____
Section _____
Block _____
Lot _____
Class Well: I _____, IIA _____, IIB _____, IIIA _____, IIIB yes, IIIC _____, IIID _____, IIIE _____

WELL LOCATION: _____ (feet/miles) _____ (direction) of _____ (Charles Clark Prop.)
and _____ feet/miles _____ (direction) of New Baltimore
(If possible please include map showing location marked)

Date started 6/13/94 6" well • Date completed 6/14/94 Type rig air rotary

1. WELL DATA: New yes Reworked _____ Deepened _____
• Total depth 600' (6") ft.
Depth to bedrock 8 ft.
• Hole size (Also include reamed zones)
• 12 inches from _____ to _____ ft.
• 10 inches from 0 to 20 ft.
• 8 or 6 inches from 20 to 600 ft.
• Casing size (I.D.) and material
• 6 inches from +1 to 21 ft.
Material steel
Wt. per foot 18.97 or wall thickness .280 in.
• 8 inches from +2 to _____ ft.
Material Steel
Wt. per foot 28.55 or wall thickness .322 in.
• _____ inches from _____ to _____ ft.
Material _____
Wt. per foot _____ or wall thickness _____ in.
• Screen size and mesh for each zone (where applicable)
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• Gravel pack
• From _____ to _____ ft.
• From _____ to _____ ft.
• Grout
• From 0 to _____ ft., Type Pressure Cement
• From _____ to _____ ft., Type _____

2. WATER DATA • Water temperature 52 °F
• Static water level (unpumped level-measured) 15 ft.
• Stabilized measured pumping water level _____ ft.
• Stabilized yield 90 gpm after 3 hours
Natural Flow: Yes ____ No no, flow rate: _____ gpm
Comment on quality clear
3. WATER ZONES: From 205' To 626PM
From 260' To 156PM From 452' To 126PM
From _____ To _____ From _____ To _____
4. USE DATA:
Type of use: Drinking yes, Livestock Watering _____
Irrigation _____, Food processing _____, Household _____
Manufacturing _____, Fire safety _____, Cleaning _____
Recreation _____, Aesthetic _____, Cooling or heating _____
Injection _____, Other exploratory
• Type of facility: Domestic _____, Public water supply yes
Public institution _____, Farm _____, Industry _____
Commercial _____, Other _____
5. PUMP DATA: Type _____ • Rated H.P. _____
• Intake depth _____ • Capacity _____ at _____ head
6. WELLHEAD: Type well seal _____
Pressure tank _____ gal., Loc. _____
Sample tap _____, Measurement port _____
Well vent _____, Pressure relief valve _____
Gate valve _____, Check valve (when required) _____
Electrical disconnect switch on power supply _____
7. DISINFECTION: Well disinfected _____ yes _____ no
Date _____, Disinfectant used _____
Amount _____, Hours used _____
8. ABANDONMENT (where applicable) • yes _____ no _____
Casing pulled yes _____ no _____ not applicable _____
Plugging grout From _____ to _____ material _____

GW-2

Owner future WSA Charles Clark Prop

BWCM No. _____

9. State law requires submitting to the Virginia State Water Control Board information about groundwater and wells for every well made in the State intended for water, or any other non-exempt well. This information must be submitted whether the well is completed, on standby, or abandoned. Information required includes: an accurately and completely prepared water well completion report, full data from any aquifer pumping tests, drill cuttings taken at ten foot intervals (unless exemption is secured), the results of any chemical analyses, and copies of any geophysical logs. Quarterly pumpage and use-reports are required from owners of public supply and industrial wells. County or State permits to drill may be required in some parts of the state. Some counties require submission of a water well completion report. The Virginia State Health Department requires a water well completion report for public supply wells.

10. DRILLERS LOG (use additional Sheets if necessary)

DEPTH (feet) From	DEPTH (feet) To	TYPE OF ROCK OR SOIL (color, material, fossils, hardness, etc.)	REMARKS (water, caving, cavities, broken, core, shot, (etc.)	11. Drilling Time (Min.)	12. DIAGRAM OF WELL CONSTRUCTION (with dimensions)
0	8'	overburden			
8'	600	redrock			
	205	water bearing	62 GPM		
	260	water bearing	15 gpm		
	452	water bearing	12 g.p.m		

13. Well lot dedicated? _____; Size _____ ft. X _____ ft.; Well house? _____
Distance to nearest pollutant source _____ ft., Type _____
Distance to nearest property line _____ ft., Building _____ ft.

14. WATER SERVICE PIPE: Checked under _____ p.s.i. for _____ minutes. Pipe size _____ inches, Material _____
Installer _____
Date _____

15. I certify that the information contained herein is true and correct and that this well and/or system has been installed and constructed in accordance with the requirements for well construction as specified in compliance with appropriate county or independent city ordinances and the laws and rules of the Commonwealth of Virginia.

Signature _____ (Seal), Date _____
(Well driller or authorized person)
License No. 142

WWC 2705-014285 class B

State Water Control Board Regional Offices

Valley Reg. Off.
116 North Main Street
P. O. Box 268
Bridgewater, Va. 22812
703-828-2595

Piedmont Reg. Off.
4010 West Broad Street
P. O. Box 6616
Richmond, Va. 23230
804-257-1006

Southwest Reg. Off.
108 East Main Street
P. O. Box 476
Abingdon, Va. 24210
703-628-5183

Tidewater Reg. Off.
287 Pembroke Office Park
Suite 310 Pembroke No. 2
Va. Beach, Va. 23462
804-499-8742

West Central Reg. Off.
Executive Park
5312 Peters Creek Road
Roanoke, Va. 24019
703-982-7432

Northern Virginia Reg. Off.
5515 Cherokee Avenue
Suite 404
Alexandria, Va. 22312
703-750-9111

DATE COLLECTED	DATE RECEIVED	DATE COMPLETED	SAMPLE CODE
06/14/94	06/20/94	06/29/94	9660985

CUSTOMER ADDRESS

NEW BALTIMORE WELL
H3

AIR LIFT

RECEIVED JUL - 5 1994

NATIONAL TESTING LABORATORIES INC.
6555 Wilson Mills Road
Cleveland, OH 44143
(216) 449-2525

DEALER ADDRESS

EMERY & GARRETT GROUNDWTR
170 WAUKEWAN ST
MEREDITH, NH 03253-

DRINKING WATER ANALYSIS RESULTS

NOTE: "*" indicates that the MCL (Maximum Contaminant Level) has been exceeded, or in the case of pH is either too high OR too low.
"ND" indicates that none of this contaminant has been detected at or above our detection level.
"**" Result may be invalid due to lack of "Time Collected" or because the sample has exceeded the 30-hour time frame.
"BD" Bacteria destroyed due to lack of collection information or because the sample has exceeded the 48-hour time frame.
TNTC-Too Numerous To Count NBS-No Bacteria Submitted

Analysis performed	MCL (mg/l)	Detection Level	Level Detected
Microbiological:			
Total coliform (organism/100ml)	0	0	BD
Inorganic chemicals - metals:			
Aluminum	0.2	0.1	0.30*
Arsenic	0.05	0.010	ND
Barium	2.0	0.30	ND
Cadmium	0.005	0.002	ND
Chromium	0.1	0.004	ND
Copper	1.3	0.004	ND
Iron	0.3	0.020	0.19
Lead	0.015	0.002	ND
Manganese	0.05	0.004	0.015
Mercury	0.002	0.001	ND
Nickel	0.1	0.02	ND
Selenium	0.05	0.002	ND
Silver	0.1	0.002	ND
Sodium	---	1.0	29
Zinc	5.0	0.004	0.008
Inorganic chemicals - other, and physical factors:			
Alkalinity (Total as CaCO3)	---	10.0	120
Chloride	250	5.0	ND
Fluoride	4.0	0.5	ND
Nitrate as N	10	0.5	ND
Nitrite as N	1.0	0.5	ND
Sulfate	250	5.0	44
Hardness (suggested limit = 100)		10.0	130*
pH (Standard Units)	6.5-8.5	---	8.0
Total Dissolved Solids	500	20.0	197
Turbidity (Turbidity Units)	1.0	0.1	2.7*
Organic chemicals - trihalomethanes:			
Bromoform	---	0.004	ND
Bromodichloromethane	---	0.002	ND
Chloroform	---	0.002	ND
Dibromochloromethane	---	0.004	ND
Total THMs (sum of four above)	0.1	0.002	ND
Organic chemicals - volatiles.			
Benzene	0.005	0.001	ND
Vinyl Chloride	0.002	0.001	ND
Carbon Tetrachloride	0.005	0.001	ND
1,2-Dichloroethane	0.005	0.001	ND

Analysis performed	MCL (mg/l)	Detection Level	Level Detected
Trichloroethylene	0.005	0.001	ND
1,4-Dichlorobenzene	0.075	0.001	ND
1,1-Dichloroethylene	0.007	0.001	ND
1,1,1,-Trichloroethane	0.20	0.001	ND
Bromobenzene	---	0.002	ND
Bromomethane	---	0.002	ND
Chlorobenzene	0.1	0.001	ND
Chloroethane	---	0.002	ND
Chloromethane	---	0.002	ND
2-Chlorotoluene	---	0.001	ND
4-Chlorotoluene	---	0.001	ND
Dibromochloropropane (DBCP)	---	0.001	ND
Dibromomethane	---	0.002	ND
1,2-Dichlorobenzene	0.6	0.001	ND
1,3-Dichlorobenzene	---	0.001	ND
Dichlorodifluoromethane	---	0.002	ND
1,1-Dichloroethane	---	0.002	ND
Trans-1,2-Dichloroethylene	0.1	0.002	ND
cis-1,2-Dichloroethylene	0.07	0.002	ND
Dichloromethane	0.005	0.002	ND
1,2-Dichloropropane	0.005	0.002	ND
trans-1,3-Dichloropropene	---	0.002	ND
1,3-Dichloropropene	---	0.002	ND
2,2-Dichloropropane	---	0.002	ND
1,1-Dichloropropene	---	0.002	ND
1,3-Dichloropropane	---	0.002	ND
Ethylbenzene	0.7	0.001	ND
Ethylenedibromide (EDB)	---	0.001	ND
Styrene	0.1	0.001	ND
1,1,1,2-Tetrachloroethane	---	0.002	ND
1,1,2,2-Tetrachloroethane	---	0.002	ND
Tetrachloroethylene (PCE)	0.005	0.002	ND
1,2,4-Trichlorobenzene	---	0.002	ND
1,2,3-Trichlorobenzene	---	0.002	ND
1,1,2-Trichloroethane	0.005	0.002	ND
Trichlorofluoromethane	---	0.002	ND
1,2,3-Trichloropropane	---	0.002	ND
Toluene	1.0	0.001	ND
Xylene	10	0.001	ND
Organic chemicals - pesticides, herbicides & PCBs			
Alachlor	0.002	0.001	ND
Atrazine	0.003	0.002	ND
Chlordane	0.002	0.001	ND
Aldrin	---	0.002	ND
Dichloran	---	0.002	ND
Dieldren	---	0.001	ND
Endrin	0.002	0.0001	ND
Heptachlor	0.0004	0.0004	ND
Heptachlor Epoxide	0.0002	0.0001	ND
Hexachlorobenzene	0.001	0.0005	ND
Hexachlorocyclopentadiene	0.05	0.001	ND
Lindane	0.0002	0.0002	ND
Methoxychlor	0.04	0.002	ND
PCBs	0.0005	0.0005	ND
Pentachloronitrobenzene	---	0.002	ND
Silvex 2,4,5-TP	0.05	0.005	ND
Simazine	0.004	0.002	ND
Toxaphene	0.003	0.001	ND
Trifluralin	---	0.002	ND
2,4-D	0.07	0.010	ND

I certify that the analyses performed for this report are accurate, and that the laboratory tests were conducted by methods approved by the U.S. Environmental Protection Agency or variations of these EPA methods.

These test results are intended to be used for informational purposes only and may not be used for regulatory compliance.

PRESIDENT, NATIONAL TESTING LABORATORIES, INC.

PRODUCTION WELL M-6a

Emery & Garrett Groundwater, Inc.

HYDROGEOLOGIC BOREHOLE LOG FOR WELL M-6a in NEW BALTIMORE

Project: New Baltimore Service District
Driller: Singhas & Michael, Corp.
Geologist: D. J. Tinkham
Date Drilled: May 9-10, 1994

Well #: M-6a

TEST WELL DATA for Well#: M-6a
Static Water Level: 36.10 (8/29/94)
Depth to bedrock: 16'
Well Diameter: 6" **Air-Lift Yield : 95 gpm**
Total Depth: 540'
Casing Length: 21' x 6"

PRODUCTION WELL DATA for Well #: M-6a
Date of Reaming: 8/11-12/94
Total Length of 8" Casing: 65' **Final Air-Lift Yield: 105 gpm**
Depth of 8" Reaming: 300'

DEPTH (feet)	AIR-LIFT YIELD (gpm)	WELL LOG	DESCRIPTION (color/grain size/structure/composition/trace minerals)
0			0-16': Brown-yellow silty loam. BEDROCK at 16': muscovite schist.
10			
20			16-75': Gray-black, well-foliated, shiny MUSCOVITE SCHIST; occasional felsic beds; no calcite.
30			
40	16		48': WATER-BEARING ZONE.
50			
60			
70			
80			75-85': Greenish-black, well-foliated, fine-grained GREENSCHIST; trace calcite.
90			85-175': Gray-black, well-foliated, shiny MUSCOVITE SCHIST; occasional felsic beds and
100			calcite coatings; traces of epidote and pyrite; occasional gneissic texture to some dark minerals.
110			
120			128-134': weathered zone with higher proportion of felsic beds; no water.
130			
140			
150			
160			
170			175-255': Dark gray (N3), moderately-foliated, shiny MUSCOVITE SCHIST; more felsic than above.
180			
190	52		190': WATER-BEARING ZONE; lost circulation temporarily; large felsic chips from fracture.
200			
210			
220			
230			
240			
250	68		255': WATER-BEARING ZONE
260			chips.
270			
280			276 to 305': MUSCOVITE SCHIST, as above; gained water from 260 to 280'.
290			

Cuttings of bedrock collected at 10 foot intervals and at changes in lithology.

HYDROGEOLOGIC BOREHOLE LOG FOR WELL M-6a in NEW BALTIMORE

Project: New Baltimore Service District
Driller: Singhas & Michael, Corp.
Geologist: D. J. Tinkham
Date Drilled: May 9-10, 1994

Well #: M-6a

TEST WELL DATA for Well#: M-6a

Static Water Level: 36.10 (8/29/94)
Depth to bedrock: 16'
Well Diameter: 6" **Air-Lift Yield : 95 gpm**
Total Depth: 540'
Casing Length: 21' x 6"

PRODUCTION WELL DATA for Well #: M-6a

Date of Reaming: 8/11-12/94
Total Length of 8" Casing: 65' **Final Air-Lift Yield: 105 gpm**
Depth of 8" Reaming: 300'

DEPTH (feet)	AIR-LIFT YIELD (gpm)	WELL LOG	DESCRIPTION (color/grain size/structure/composition/trace minerals)
300	73		276 to 305': MUSCOVITE SCHIST, as above.
310			305 to 337': GREENSCHIST-Shiny, greenish-black overall; light green-gray matrix, well- foliated;
320			20% black crystals;.5 to 2 mm pyrite. 317': 1 foot thick, pegmatite dike.
330			
340			
350			
360			337 to 425': MUSCOVITE SCHIST, as above;
370			
380			
390			
400			
410			
420			
430			
440			425 to 456': Dark greenish-gray, moderately-foliated GREENSCHIST; trace pyrite.
450			
460			
470			
480			on discharge
490			occasionally; 5 to 10 % pyrite.
500	95		498': WATER-BEARING ZONE; traces of epidote fracture coatings and amorphous pyrite.
510			
520			515 to 532': Dark greenish-gray, moderately-foliated GREENSCHIST; trace pyrite.
530			532 to 540': Black, thinly bedded, very fine grained MUSCOVITE SCHIST.
540			540: END OF BORING. FINAL AIR-LIFT YIELD = 95 GPM.

Cuttings of bedrock collected at 10 foot intervals and at changes in lithology.

UNCONSOLIDATED OVERBURDEN - Silty loam.

VEIN - Clear to white, medium to coarse crystalline, quartz +- calcite vein fragments.

GREENSCHIST - Dark blackish-green to greenish-black, fine- to medium-crystalline, poorly to moderately foliated comprised primarily of amphibole and plagioclase.

MUSCOVITE SCHIST - Grayish-black to dark gray, shiny, well foliated, strongly to moderately lineated (related to tight, mm-scale crenulations), fine-grained biotite-graphite schist to granular graphite-bearing schist to graphitic granofels; locally with 2-

GRANOFELS - Milky tanish gray to grayish white to brownish-gray, fine- to medium-grained, moderately well foliated, slightly micaceous and quartz-bearing, feldspathic granofels.

WATER BEARING ZONE - where yield of well increased.

COMMONWEALTH OF VIRGINIA

WATER WELL COMPLETION REPORT

• BWCM No. _____

(Certification of Completion/County Permit)

State Water Control Board
P. O. Box 11143
111 North Hamilton St.
Richmond, Va. 23230

SWCB Permit _____
County Permit SD-93-

Certification of inspecting official:
This well does _____ does not _____ meet code/low requirements.
S. _____
Date _____
For Office Use

County/City Fauquier
County/City Stamp

• Virginia Plane Coordinates
_____ N
_____ E
Latitude & Longitude
_____ N
_____ W
Topo Map No. _____
• Elevation _____ ft.
Formation _____
Lithology _____
River Basin _____
Province _____
Type Logs _____
Cuttings _____
Water Analysis _____
Aquifer Test _____

• Owner Fauquier County (Emery & Garrett job)
• Well Designation or Number #19 MGA
Address P.O. Box 3047
Warrenton, VA 22186
Phone 349-2092 (Emery & Garrett-603-279-4425)

• Drilling Contractor SINGHAS & MICHAEL CORP.
Address RT. 3, BOX 5062
BERRYVILLE, VA 22611
Phone 703-955-3582

Tax Map I.D. No. 6984-02-0388
Subdivision _____
Section _____
Block _____
Lot _____
Class Well: I _____, IIA _____, IIB _____, IIIA _____, IIIB -yes
IIIC _____ IIID _____ IIIE _____

WELL LOCATION: _____ (feet/miles) _____ (direction) of _____
and _____ feet/miles _____ (direction) of _____
(If possible please include map showing location marked)

4-28-94 6" Well 4-2994
Date started 7-11-94 • Date completed 8" Well 7-12-94 Type rig air rotary

WELL DATA: New yes Reworked _____ Deepened _____
Total depth 6" hole 540 8" hole 300' ft.
Depth to bedrock 116' ft.
Hole size (Also include reamed zones)
• 12 inches from 0 to 58 ft.
8 inches from 58 to 300 ft.
6 inches from 300 to 540 ft.
Casing size (I.D.) and material
• 8 inches from +2' to 60 ft.
Material steel
Wt. per foot 28.55 or wall thickness .322 in.
• _____ inches from _____ to _____ ft.
Material _____
Wt. per foot _____ or wall thickness _____ in.
• _____ inches from _____ to _____ ft.
Material _____
Wt. per foot _____ or wall thickness _____ in.
Screen size and mesh for each zone (where applicable)
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
Gravel pack
• From _____ to _____ ft.
• From _____ to _____ ft.
Grout
• From 0 to 55 ft., Type Pressure Cement
• From _____ to _____ ft., Type _____

2. WATER DATA • Water temperature 52 °F
• Static water level (unpumped level-measured) 20 ft.
• Stabilized measured pumping water level _____ ft.
• Stabilized yield 95+ gpm after 3 hours
Natural Flow: Yes _____ No no, flow rate: _____ gpm
Comment on quality clear

3. WATER ZONES: From 48' To 16 GPM
From 140' To 306PM From 360' To 29 gpm
From 498' To 206PM From _____ To _____

4. USE DATA:
Type of use: Drinking yes, Livestock Watering _____,
Irrigation _____ Food processing _____, Household _____,
Manufacturing _____, Fire safety _____, Cleaning _____,
Recrearion _____, Aesthetic _____, Cooking or heating _____,
Injection _____, Other _____
• Type of facility: Domestic _____, Public water supply yes,
Public institution _____ Farm _____, Industry _____,
Commercial _____, Other _____

5. PUMP DATA: Type _____ • Rated H.P. _____
• Intake depth _____ • Capacity _____ at _____ head

6. WELLHEAD: Type well seal _____
Pressure tank _____ gal., Loc. _____
Sample tap _____, Measurement port _____
Well vent _____, Pressure relief valve _____
Gate valve _____, Check valve (when required) _____
Electrical disconnect switch on power supply _____

7. DISINFECTION: Well disinfected _____ yes _____ no
Date _____, Disinfectant used _____
Amount _____, Hours used _____

8. ABANDONMENT (where applicable) • yes _____ no _____
Casing pulled yes _____ no _____ not applicable _____
Plugging grout From _____ to _____ material _____

Owner WSA - Renee Beibin BWCM No. _____

SD 93 6984-02-0388.

State law requires submitting to the Virginia State Water Control Board information about groundwater and wells for every well made in the State ended for water, or any other non-exempt well. This information must be submitted whether the well is completed, on standby, or abandoned. Information required includes: an accurately and completely prepared water well completion report, full data from any aquifer pumping tests, drill cuttings taken at ten foot intervals (unless exemption is secured), the results of any chemical analyses, and copies of any geophysical logs. Quarterly pumpage and use reports are required from owners of public supply and industrial wells. County or State permits to drill may be required in some parts of state. Some counties require submission of a water well completion report. The Virginia State Health Department requires a water well completion ort for public supply wells.

10. DRILLERS LOG (use additional Sheets if necessary)

DEPTH (feet) From	To	TYPE OF ROCK OR SOIL (color, material, fossils, hardness, etc.)	REMARKS (water, caving, cavities, broken, core, shot, (etc.)	11. Drilling Time (Min.)	12. DIAGRAM OF WELL CONSTRUCTION (with dimensions)
0	16	overburden			
16	540	Schist			

13. Well tot dedicated? _____; Size _____ ft. X _____ ft.; Well house? _____
Distance to nearest pollutant source _____ ft., Type _____
Distance to nearest property line _____ ft., Building _____ ft.

14. WATER SERVICE PIPE: Checked under _____ p.s.i. for _____ minutes. Pipe size _____ inches, Material _____
Installer _____
Date _____

15. I certify that the information contained herein is true and correct and that this well and/or system has been installed and constructed in accordance with the requirements for well construction as specified in compliance with appropriate county or independent city ordinances and the laws and rules of the Commonwealth of Virginia.

Signature Anna Dunphy (Seal), Date 7-28-94
(Well driller or authorized person)
License No. #11

WWC 2705-014285 class B

State Water Control Board Regional Offices

Valley Reg. Off.
116 North Main Street
P. O. Box 268
Bridgewater, Va. 22812
703-828-2595

Piedmont Reg. Off.
4010 West Broad Street
P. O. Box 6616
Richmond, Va. 23230
804-257-1006

Southwest Reg. Off.
028 East Main Street
P. O. Box 476
Abingdon, Va. 24210
703-676-5183

Tidewater Reg. Off.
287 Pembroke Office Park
Suite 310 Pembroke No. 2
Va. Beach, Va. 23462
804-499-8742

West Central Reg. Off.
Executive Park
3312 Peters Creek Road
Roanoke, Va. 24019
703-982-7432

Northern Virginia Reg. Off.
5515 Cherokee Avenue
Suite 404
Alexandria, Va. 22312
703-750-9111

DATE COLLECTED	DATE RECEIVED	DATE COMPLETED	SAMPLE CODE
05/10/94	05/13/94	05/26/94	9650721

CUSTOMER ADDRESS

NBAL
WELL M-6A

RECEIVED MAY 3 1994

AIR LIFT

DEALER ADDRESS

EMERY & GARRETT GROUNDWTR
170 WAUKEWAN ST
MEREDITH, NH 03253-

NATIONAL TESTING LABORATORIES INC.
6555 Wilson Mills Road
Cleveland, OH 44143
(216) 449-2525

DRINKING WATER ANALYSIS RESULTS

NOTE: "*" indicates that the MCL (Maximum Contaminant Level) has been exceeded, or in the case of pH is either too high OR too low.
"ND" indicates that none of this contaminant has been detected at or above our detection level.
"**" Result may be invalid due to lack of "Time Collected" or because the sample has exceeded the 30-hour time frame.
"BD" Bacteria destroyed due to lack of collection information or because the sample has exceeded the 48-hour time frame.
TNTC-Too Numerous To Count NBS-No Bacteria Submitted

Analysis performed	MCL (mg/l)	Detection Level	Level Detected
Microbiological:			
Total coliform (organism/100ml)	0	0	BD
Inorganic chemicals - metals:			
Aluminum	0.2	0.1	ND
Arsenic	0.05	0.010	ND
Barium	2.0	0.30	ND
Cadmium	0.005	0.002	ND
Chromium	0.1	0.004	ND
Copper	1.3	0.004	ND
Iron	0.3	0.020	0.20
Lead	0.015	0.002	ND
Manganese	0.05	0.004	0.23*
Mercury	0.002	0.001	ND
Nickel	0.1	0.02	ND
Selenium	0.05	0.002	ND
Silver	0.1	0.002	ND
Sodium	---	1.0	13
Zinc	5.0	0.004	ND
Inorganic chemicals - other, and physical factors:			
Alkalinity (Total as CaCO3)	---	10.0	160
Chloride	250	5.0	13
Fluoride	4.0	0.5	ND
Nitrate as N	10	0.5	ND
Nitrite as N	1.0	0.5	ND
Sulfate	250	5.0	19
Hardness (suggested limit = 100)		10.0	140*
pH (Standard Units)	6.5-8.5	---	8.1
Total Dissolved Solids	500	20.0	185
Turbidity (Turbidity Units)	1.0	0.1	0.2
Organic chemicals - trihalomethanes:			
Bromoform	---	0.004	ND
Bromodichloromethane	---	0.002	ND
Chloroform	---	0.002	ND
Dibromochloromethane	---	0.004	ND
Total THMs (sum of four above)	0.1	0.002	ND
Organic chemicals - volatiles:			
Benzene	0.005	0.001	ND
Vinyl Chloride	0.002	0.001	ND
Carbon Tetrachloride	0.005	0.001	ND
1,2-Dichloroethane	0.005	0.001	ND

Analysis performed	MCL (mg/l)	Detection Level	Level Detected
Trichloroethylene	0.005	0.001	ND
1,4-Dichlorobenzene	0.075	0.001	ND
1,1-Dichloroethylene	0.007	0.001	ND
1,1,1,-Trichloroethane	0.20	0.001	ND
Bromobenzene	---	0.002	ND
Bromomethane	---	0.002	ND
Chlorobenzene	0.1	0.001	ND
Chloroethane	---	0.002	ND
Chloromethane	---	0.002	ND
2-Chlorotoluene	---	0.001	ND
4-Chlorotoluene	---	0.001	ND
Dibromochloropropane (DBCP)	---	0.001	ND
Dibromomethane	---	0.002	ND
1,2-Dichlorobenzene	0.6	0.001	ND
1,3-Dichlorobenzene	---	0.001	ND
Dichlorodifluoromethane	---	0.002	ND
1,1-Dichloroethane	---	0.002	ND
Trans-1,2-Dichloroethylene	0.1	0.002	ND
cis-1,2-Dichloroethylene	0.07	0.002	ND
Dichloromethane	0.005	0.002	ND
1,2-Dichloropropane	0.005	0.002	ND
trans-1,3-Dichloropropene	---	0.002	ND
1,3-Dichloropropene	---	0.002	ND
2,2-Dichloropropane	---	0.002	ND
1,1-Dichloropropene	---	0.002	ND
1,3-Dichloropropane	---	0.002	ND
Ethylbenzene	0.7	0.001	ND
Ethylenedibromide (EDB)	---	0.001	ND
Styrene	0.1	0.001	ND
1,1,1,2-Tetrachloroethane	---	0.002	ND
1,1,2,2-Tetrachloroethane	---	0.002	ND
Tetrachloroethylene (PCE)	0.005	0.002	ND
1,2,4-Trichlorobenzene	---	0.002	ND
1,2,3-Trichlorobenzene	---	0.002	ND
1,1,2-Trichloroethane	0.005	0.002	ND
Trichlorofluoromethane	---	0.002	ND
1,2,3-Trichloropropane	---	0.002	ND
Toluene	1.0	0.001	ND
Xylene	10	0.001	ND
Organic chemicals - pesticides, herbicides & PCBs			
Alachlor	0.002	0.001	ND
Atrazine	0.003	0.002	ND
Chlordane	0.002	0.001	ND
Aldrin	---	0.002	ND
Dichloran	---	0.002	ND
Dieldren	---	0.001	ND
Endrin	0.002	0.0001	ND
Heptachlor	0.0004	0.0004	ND
Heptachlor Epoxide	0.0002	0.0001	ND
Hexachlorobenzene	0.001	0.0005	ND
Hexachlorocyclopentadiene	0.05	0.001	ND
Lindane	0.0002	0.0002	ND
Methoxychlor	0.04	0.002	ND
PCBs	0.0005	0.0005	ND
Pentachloronitrobenzene	---	0.002	ND
Silvex 2,4,5-TP	0.05	0.005	ND
Simazine	0.004	0.002	ND
Toxaphene	0.003	0.001	ND
Trifluralin	---	0.002	ND
2,4-D	0.07	0.010	ND

I certify that the analyses performed for this report are accurate, and that the laboratory tests were conducted by methods approved by the U.S. Environmental Protection Agency or variations of these EPA methods. These test results are intended to be used for infromational purposes only and may not be used for regulatory compliance.

PRESIDENT, NATIONAL TESTING LABORATORIES, INC.

APPENDIX B

REQUESTS FOR PERMISSION TO ACCESS DOMESTIC WELLS
(Most permission was granted verbally during site visits)

WELL COMPLETION REPORTS (FORM GW-2) FOR THE McDANIEL, MILLER, MERCADO, AND GULLEDGE WELLS
(see Plate 1)

Emery & Garrett Groundwater, Inc.
170 Waukewan Street
Meredith, New Hampshire 03253

(603) 279-4425 *Fax (603) 279-8717*

Date

Name
Address
New Baltimore, VA _____

Dear Mr. _____,

Emery and Garrett Groundwater, Inc. (EGGI) has been retained by the County of Fauquier and Fauquier County Water and Sanitation Authority to perform hydrogeologic testing of a well in your area. The purpose of the test is to evaluate the long-term safe yield (productivity) of the well and to determine the potential impacts (if any) of pumping the well on groundwater levels in the immediate area. In an effort to evaluate any and all impacts that the test will have local groundwater resources, we would like to monitor your well during the upcoming test(s).

Monitoring groundwater levels in your well can be accomplished very effectively with the use of an automatic water level recorder. The use of this recording device will not interfere with your daily water use and requires only minimal time on your property for a hydrogeologist to install the instrumentation. The monitoring equipment is comprised of a small probe which is hung on a cable within the well below the water table. At pre-determined time intervals, the instrument computes the depth of water in the well and records it. A small computer datalogger is left outside the well on the ground surface to compile all the readings which are taken.

The operator will initially require approximately one to three hours to install the instrument and will stop by every day or two to ensure that the instruments are working properly. Once installed, the staff of EGGI and the Fauquier County Water and Sanitation Authority will be available at any time to address any concerns you may have regarding the monitoring program.

Your assistance in this matter is greatly appreciated and we can ensure you that the monitoring program will be most valuable in determining the impact of new public water supply wells on your domestic well. The monitoring program is being conducted by the County and will be performed at no cost to the landowner. Upon completion of the test, EGGI will compile the water level data collected and submit those data to the County. Copies of the data collected from your well will be forwarded to you after submittal of the data to the County. This will take four to six weeks following the completion of the tests.

We would appreciate your response to this matter on or before _____. Please submit the completed Consent Form using the self-addressed, stamped envelope provided. If you have any questions regarding these matters, please contact either myself or Mr. Wayne Stephens of the Fauquier County Water & Sanitation Authority (703-349-2092). **Thank You.**

Best regards,

James M. Emery
President

CONSENT FORM FOR DOMESTIC WELL MONITORING

After reading the information supplied on the previous page, please indicate to us your decision to allow Fauquier County to monitor your well during the pumping tests by circling YES or NO.

YES, I would like my well monitored during the upcoming pumping tests.

NO, Please do not monitor my well during the test.

Signature: _____ Date: _____

Homeowner Name: _____
Address: _____
_____

Phone (home): _____ (work): _____

WELL INFORMATION SURVEY

It would be most helpful if you could provide any information on the installation and design of your well. If you have knowledge of any of the following information, please fill out the form below. Thank You.

Total depth of the well: _____ feet

Diameter of well: _____ inches

Length of steel casing: _____ feet

Estimated yield (from driller): _____ gallons per minute

Type of rock or material encountered: _____ (i.e., siltstone/diabase)

Depth of Pump Setting: _____ (feet from ground surface)

Type of Pump: _____ (submersible, jet, etc.)

Is the well easily accessible? _____

What does the wellhead look like? (i.e., is it 6-inch casing with a removable cap, a 3-foot diameter cement tile, does it have a rubber seal within the casing?)

_____

_____

55

RECEIVED AUG 25 1994

22 August 1994
Rte 6 Box 12
Warrenton, VA
22186 USA

James M Emery, PG
Emery and Garrett Groundwater, Inc
170 Waukewan Street
Meredith, New Hampshire 03253

Re: Water Monitoring Program - Tax Map Lot 6630

Mr Emery:

This is further to my letter of 19 August, a copy of which is attached hereto. I require that you be responsible for any damage occurring as a result of your monitoring program. If you are not willing to accept this condition, do not proceed further and contact me immediately.

Very sincerely,

WCL Jamison

Wm Charles L Jamison, Trustee

19 August 1994
Rte 6 Box 12
Warrenton, VA
22186 USA

James M Emery, PG
Emery and Garrett Groundwater, Inc
170 Waukewan Street
Meredith, New Hampshire 03253

Re: Water Monitoring Program - Tax Map Lot 6630

Mr Emery:

This is to confirm this morning's conversation. We have no objections to your water monitoring program, as described in your letter of 10 August 1994. We do, however, request a true and complete copy of all data pertaining to wells on the property controlled by our trust.

Sincerely,

Wm Charles L Jamison, Trustee

RECEIVED AUG 1 0 1994

CONSENT FORM FOR DOMESTIC WELL MONITORING

After reading the information supplied on the previous page, please indicate to us your decision to allow Fauquier County to monitor your well during the pumping tests by circling YES or NO.

(YES,) I would like my well monitored during the upcoming pumping tests.

NO, Please do not monitor my well during the test.

Signature: Otis R. Fling Date: 8-15-94

Homeowner Name: Otis R. + Mont O. Fling
Address: 5575 Lee Hwy (Rt. 6 Box 267
Warrenton, Va. 22186

Phone (home): 347-9743 (work): none

WELL INFORMATION SURVEY

It would be most helpful if you could provide any information on the installation and design of your well. If you have knowledge of any of the following information, please fill out the form below. Thank You.

Total depth of the well: 60+ feet
Diameter of well: 6 inches
Length of steel casing: 20 feet
Estimated yield (from driller): 20 gallons per minute
Type of rock or material encountered: ? (i.e., siltstone/diabase)
Depth of Pump Setting: 4 (feet from ground surface)
Type of Pump: Jet (submersible, jet, etc.)
Is the well easily accessible? yes
What does the wellhead look like? (i.e., is it 6-inch casing with a removable cap, a 3-foot diameter cement tile, does it have a rubber seal within the casing?) yes ?

I currently have 4 houses supplied by this well and am quite concerned with your wasting water in this manner.

RECEIVED AUG 1 8 1994

CONSENT FORM FOR DOMESTIC WELL MONITORING

After reading the information supplied on the previous page, please indicate to us your decision to allow Fauquier County to monitor your well during the pumping tests by circling YES or NO.

(YES), I would like my well monitored during the upcoming pumping tests.

NO, Please do not monitor my well during the test.

Signature: [signature] Date: 8/12/94

Homeowner Name: Rt 3 Box 192-B
Address: Warrenton VA 22186

Phone (home): 703 349 8497 (work): _____

WELL INFORMATION SURVEY

It would be most helpful if you could provide any information on the installation and design of your well. If you have knowledge of any of the following information, please fill out the form below. Thank You.

Total depth of the well: _____ feet

Diameter of well: _____ inches

Length of steel casing: _____ feet

Estimated yield (from driller): _____ gallons per minute

Type of rock or material encountered: _____ (i.e., siltstone/diabase)

Depth of Pump Setting: _____ (feet from ground surface)

Type of Pump: _____ (submersible, jet, etc.)

Is the well easily accessible? _____

What does the wellhead look like? (i.e., is it 6-inch casing with a removable cap, a 3-foot diameter cement tile, does it have a rubber seal within the casing?)

_____

_____

RECEIVED AUG 2 ? 1994

CONSENT FORM FOR DOMESTIC WELL MONITORING

After reading the information supplied on the previous page, please indicate to us your decision to allow Fauquier County to monitor your well during the pumping tests by circling YES or NO.

YES, I would like my well monitored during the upcoming pumping tests.

NO, Please do not monitor my well during the test.

Signature: J Brooke Semple Gen Ptnr Date: 17 Aug 94
Semple Family Ltd Partnership

Homeowner Name: Semple Family Limited Partnership
Address: 5600 Lee Highway
Warrenton VA 22186

Phone (home): 703-347-1354 (work): same

WELL INFORMATION SURVEY

It would be most helpful if you could provide any information on the installation and design of your well. If you have knowledge of any of the following information, please fill out the form below. Thank You.

Total depth of the well: 100± feet

Diameter of well: _____ inches

Length of steel casing: ? feet

Estimated yield (from driller): old well gallons per minute

Type of rock or material encountered: ? (i.e., siltstone/diabase)

Depth of Pump Setting: ? (feet from ground surface)

Type of Pump: _____ (submersible, jet, etc.)

Is the well easily accessible? yes

What does the wellhead look like? (i.e., is it 6-inch casing with a removable cap, a 3-foot diameter cement tile, does it have a rubber seal within the casing?)

Cast Iron manhole cover; access 6' below ground.

State Water Control Board
P. O. Box 11143
2111 North Hamilton St.
Richmond, Va. 23230

(Certification of Completion/County Permit)

LOT - 8176 McDANIEL

County/City _____

County/City Stamp

SWCB Permit _____
County Permit Fauquier

Certification of inspecting official:
This well does _____ does not _____ meet code/low requirements.
S. _____
Date _____

For Office Use

- Virginia Plane Coordinates
  _____ N
  _____ E
- Latitude & Longitude
  _____ N
  _____ W
- Topo. Map No. _____
- Elevation _____ ft.
- Formation _____
- Lithology _____
- River Basin _____
- Province _____
- Type Logs _____
- Cuttings _____
- Water Analysis _____
- Aquifer Test _____

- Owner ~~XXXXX~~ McDaniel & Company
- Well Designation or Number _____
- Address Rt. 1, Box 60L, Broad Run, Va. 22014
- Phone 347-5676

- Drilling Contractor DOMINION WELL COMPANY
- Address 361-3443-Manassas; 777-3727-Leesburg; 361-9126-Manassas; 825-2330-Culpeper
- Phone 631-0266-Metro; 672-3320-Orange; 347-5542-Warrenton; 371-7766-Fredericksburg

Tax Map I.D. No. SD 87 327 (R)
Subdivision Chestnut Meadows
Section _____
Block _____
Lot 1
Class Well: I _____, IIA _____, IIB x, IIIA _____, IIIB _____, IIIC _____, IIID _____, IIIE _____

WELL LOCATION: _____ (feet/miles _____ direction) of _____
and _____ feet/miles _____ (direction) of _____
(If possible please include map showing location marked)

Directions: See Reverse

Date started 4/27/87 • Date completed 4/28/87 Type rig air rotary

WELL DATA: New x Reworked _____ Deepened _____

- Total depth 125 ft.
- Depth to bedrock 110 ft.
- Hole size (Also include reamed zones)
  - 10 inches from 0 to 119 ft.
  - 6 1/8 inches from 119 to 125 ft.
  - _____ inches from _____ to _____ ft.
- Casing size (I.D.) and material
  - 6 1/4 inches from +1 to 119 ft.
    Material steel
    Wt. per foot 13 or wall thickness .188 in.
  - _____ inches from _____ to _____ ft.
    Material _____
    Wt. per foot _____ or wall thickness _____ in.
  - _____ inches from _____ to _____ ft.
    Material _____
    Wt. per foot _____ or wall thickness _____ in.
- Screen size and mesh for each zone (where applicable)
  - _____ inches from _____ to _____ ft.
    Mesh size _____ Type _____
  - _____ inches from _____ to _____ ft.
    Mesh size _____ Type _____
  - _____ inches from _____ to _____ ft.
    Mesh size _____ Type _____
  - _____ inches from _____ to _____ ft.
    Mesh size _____ Type _____
- Gravel pack
  - From _____ to _____ ft.
  - From _____ to _____ ft
- Grout
  - From 0 to 80 ft., Type pressure
  - From _____ to _____ ft., Type 61 bags

2. WATER DATA • Water temperature _____ °F
- Static water level (unpumped level-measured) 20 ft.
- Stabilized measured pumping water level _____ ft.
- Stabilized yield 40 gpm after 1 hours

Natural Flow: Yes _____ No x, flow rate _____ g pm
Comment on quality clear

3. WATER ZONES: From 121 To 125
From _____ To _____ From _____ To _____
From _____ To _____ From _____ To _____

4. USE DATA:
Type of use: Drinking x, Livestock Watering _____, Irrigation _____, Food processing _____, Household x, Manufacturing _____, Fire safety _____, Cleaning _____, Recreation _____, Aesthetic _____, Cooling or heating _____, Injection _____, Other _____
- Type of facility: Domestic x, Public water supply _____, Public institution _____, Farm _____, Industry _____, Commercial _____, Other _____

5. PUMP DATA: Type _____ • Rated H.P. _____
- Intake depth _____ • Capacity _____ at _____ head

6. WELLHEAD: Type well seal _____
Pressure tank _____ gal, Loc. _____
Sample tap _____, Measurement port _____
Well vent _____, Pressure relief valve _____
Gate valve _____, Check valve (when required) _____
Electrical disconnect switch on power supply _____

7. DISINFECTION: Well disinfected _____ yes _____ no
Date _____, Disinfectant used _____
Amount _____, Hours used _____

8. ABANDONMENT (where applicable) • yes _____ no _____
Casing pulled yes _____ no _____ not applicable _____
Plugging grout From _____ to _____ material _____

OVER

9. State law requires submitting to the Virginia State Water Control Board information about groundwater and wells for every well made in the State intended for water, or any other non-exempt well. This information must be submitted whether the well is completed, on standby, or abandoned. Information required includes: an accurately and completely prepared water well completion report, full data from any aquifer pumping tests, drill cuttings taken at ten foot intervals (unless exemption is secured), the results of any chemical analyses, and copies of any geophysical logs. Quarterly pumpage and use reports are required from owners of public supply and industrial wells. County or State permits to drill may be required in some parts of the state. Some counties require submission of a water well completion report. The Virginia State Health Department requires a water well completion report for public supply wells.

10. DRILLERS LOG (use additional Sheets if necessary)

DEPTH (feet) From	To	TYPE OF ROCK OR SOIL (color, material, fossils, hardness, etc.)	REMARKS (water, caving, cavities, broken, core, shot, (etc.)	11. Drilling Time (Min.)	12. DIAGRAM OF WELL CONSTRUCTION (with dimensions)
0	50	CLAY			
50	55	SHALE			
55	110	CLAY, SAND			
110	119	SHALE			
119	125	QUARTZ			
		RT. 66 WEST TO RT. 29 (R) TO RT. 673 (R) for approx. 1/2 MILE TO NEW ROAD ON (R) TO LOT 1 ON (L).			

13. Well lot dedicated? _____ ; Size _____ ft. X _____ ft.; Well house? _____
Distance to nearest pollutant source _____ ft., Type _____
Distance to nearest property line _____ ft., Building _____ ft.

14. WATER SERVICE PIPE: Checked under _____ p.s.i. for _____
minutes. Pipe size _____ inches, Material _____
Installer _____
Date _____

15. I certify that the information contained herein is true and correct and that this well and/or system has been installed and constructed in accordance with the requirements for well construction as specified in compliance with appropriate county or independent city ordinances and the laws and rules of the Commonwealth of Virginia.

Signature Robert M Kinney (Seal), Date 5-5-87
(Well driller or authorized person)
License No. _____

State Water Control Board Regional Offices

Valley Reg. Off.
116 North Main Street
P. O. Box 268
Bridgewater, Va. 22812
703-828-2595

Piedmont Reg. Off.
4010 West Broad Street
P. O. Box 6616
Richmond, Va. 23230
804-257-1006

Southwest Reg. Off.
408 East Main Street
P. O. Box 476
Abingdon, Va. 24210
703-628-5183

Tidewater Reg. Off.
287 Pembroke Office Park
Suite 310 Pembroke No. 2
Va. Beach, Va. 23462
804-499-8742

West Central Reg. Off.
Executive Park
5312 Peters Creek Road
Roanoke, Va. 24019
703-982-7432

Northern Virginia Reg. Off.
5515 Cherokee Avenue
Suite 404
Alexandria, Va. 22312
703-750-9111

WATER WELL COMPLETION REPORT

• BWCM No. _____

(Certification of Completion/County Permit)

State Water Control Board
P. O. Box 11143
2111 North Hamilton St.
Richmond, Va. 23230

LOT 1903 MILLER

County/City _____

County/City Stamp

SWCB Permit _____
County Permit Fauquier

Certification of inspecting official:
This well does _____ does not _____ meet code/low requirements.
S. _____
Date _____

For Office Use

• Virginia Plane Coordinates
_____ N
_____ E
Latitude & Longitude
_____ N
_____ W
• Topo. Map No. _____
• Elevation _____ ft.
• Formation _____
• Lithology _____
• River Basin _____
• Province _____
• Type Logs _____
• Cuttings _____
• Water Analysis _____
• Aquifer Test _____

• Owner Semple Family Ltd. Partnership/McDaniel
• Well Designation or Number _____
Address Rt. 1 Box 60 L
Broad Run, Va. 22014
Phone 347-5676

• Drilling Contractor DOMINION WELL COMPANY
Address 361-3443-Manassas 777-3727-Leesburg
361-9126-Manassas 825-2330 Culpeper
Phone 631-0266-Metro 672-3320-Orange
347-3542-Warrenton 371-7766-Fredericksburg

Tax Map I.D. No. SD 87-326(R)
Subdivision Chestnut Meadows
Section _____
Block off Rt. 673
Lot 3
Class Well I _____, IIA _____, IIB X, IIIA _____, IIIB _____, IIIC _____, IIID _____, IIIE _____

WELL LOCATION: _____ (feet/miles _____ direction) of _____
and _____ feet/miles _____ (direction) of _____
(If possible please include map showing location marked)

Directions: See reverse

Date started 4-28-87 • Date completed 4-29-87 Type rig air rotary

1. WELL DATA: New X Reworked _____ Deepened _____
• Total depth 207 ft.
• Depth to bedrock 123 ft.
• Hole size (Also include reamed zones)
• 10 inches from 0 to 134 ft.
• 6-1/8 inches from 134 to 207 ft.
• _____ inches from _____ to _____ ft
• Casing size (I.D.) and material
• 6-1/4 inches from + 3 to 134 ft.
Material steel
Wt. per foot 13 or wall thickness .188 in.
• _____ inches from _____ to _____ ft.
Material _____
Wt. per foot _____ or wall thickness _____ in.
• _____ inches from _____ to _____ ft.
Material _____
Wt. per foot _____ or wall thickness _____ in.
• Screen size and mesh for each zone (where applicable)
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• _____ inches from _____ to _____ ft.
• Mesh size _____ Type _____
• Gravel pack
• From _____ to _____ ft.
• From _____ to _____ ft.
• Grout
• From 0 to 50 ft., Type pressure
• From _____ to _____ ft., Type 46 bags

2. WATER DATA • Water temperature _____ °F
• Static water level (unpumped level measured) 30 ft.
• Stabilized measured pumping water level _____ ft.
• Stabilized yield 8 gpm after 1 hours
Natural Flow: Yes _____ No X, flow rate _____ gpm
Comment on quality clear

3. WATER ZONES: From 140 To 145
From _____ To _____ From _____ To _____
From _____ To _____ From _____ To _____

4. USE DATA:
Type of use: Drinking X, Livestock Watering _____,
Irrigation _____, Food processing _____, Household X,
Manufacturing _____, Fire safety _____, Cleaning _____,
Recreation _____, Aesthetic _____, Cooling or heating _____,
Injection _____, Other _____
• Type of facility Domestic X, Public water supply _____,
Public institution _____, Farm _____, Industry _____,
Commercial _____, Other _____

5. PUMP DATA: Type _____ • Rated H.P. _____
• Intake depth _____ • Capacity _____ at _____ head

6. WELLHEAD: Type well seal _____
Pressure tank _____ gal, Loc. _____
Sample tap _____, Measurement port _____
Well vent _____, Pressure relief valve _____
Gate valve _____, Check valve (when required) _____
Electrical disconnect switch on power supply _____

7. DISINFECTION: Well disinfected _____ yes _____ no
Date _____, Disinfectant used _____
Amount _____, Hours used _____

8. ABANDONMENT (where applicable) • yes _____ no _____
Casing pulled yes _____ no _____ not applicable _____
Plugging grout From _____ to _____ material _____

OVER

Owner _____ BWCM No. _____

9. State law requires submitting to the Virginia State Water Control Board information about groundwater and wells for every well made in the State intended for water, or any other non-exempt well. This information must be submitted whether the well is completed, on standby, or abandoned. Information required includes: an accurately and completely prepared water well completion report, full data from any aquifer pumping tests, drill cuttings taken at ten foot intervals (unless exemption is secured), the results of any chemical analyses, and copies of any geophysical logs. Quarterly pumpage and use reports are required from owners of public supply and industrial wells. County or State permits to drill may be required in some parts of the state. Some counties require submission of a water well completion report. The Virginia State Health Department requires a water well completion report for public supply wells.

10. DRILLERS LOG (use additional Sheets if necessary)

DEPTH (feet) From	To	TYPE OF ROCK OR SOIL (color, material, fossils, hardness, etc.)	REMARKS (water, caving, cavities, broken, core, shot, [etc.])	11. Drilling Time (Min.)	12. DIAGRAM OF WELL CONSTRUCTION (with dimensions)
0	123	CLAY, ROCK			
123	125	QUARTZ			
125	207	BLUE SHALE			
		RT. 66 WEST TO RT. 29 S (R) TO RT. 673 (R) FOR APPROX. 1/2 MILE TO NEW ROAD ON (R) TO LOT 3 ON (R).			

13. Well lot dedicated? _____; Size _____ ft. X _____ ft.; Well house? _____
Distance to nearest pollutant source _____ ft., Type _____
Distance to nearest property line _____ ft, Building _____ ft.

14. WATER SERVICE PIPE: Checked under _____ p.s.i. for _____ minutes. Pipe size _____ inches, Material _____
Installer _____
Date _____

15. I certify that the information contained herein is true and correct and that this well and/or system has been installed and constructed in accordance with the requirements for well construction as specified in compliance with appropriate county or independent city ordinances and the laws and rules of the Commonwealth of Virginia.

Signature Robert M. Kranz Seal, Date 5-11-87
(Well driller or authorized person)
License No. _____

State Water Control Board Regional Offices

Valley Reg. Off.
16 North Main Street
P. O. Box 268
Bridgewater, Va. 22812
703-828-2595

Piedmont Reg. Off.
4010 West Broad Street
P. O. Box 6616
Richmond, Va. 23230
804-257-1006

Southwest Reg. Off.
08 East Main Street
P. O. Box 476
Abingdon, Va. 24210
703-628-5183

Tidewater Reg. Off.
287 Pembroke Office Park
Suite 310 Pembroke No. 2
Va. Beach, Va. 23462
804-499-8742

West Central Reg. Off.
Executive Park
3312 Peters Creek Road
Roanoke, Va. 24019
708 - 982 - 7432

Northern Virginia Reg. Off.
5515 Cherokee Avenue
Suite 404
Alexandria, Va. 22312
703-750-9111

(Certification of Completion/County Permit)

LOT 5287 MERCADO

Fauquier

County/City Stamp

SWCB Permit _____

County Permit _____

Certification of inspecting official:
This well does _____ does not _____
meet code/low requirements.
S. _____
Date _____

For Office Use

- Virginia Plane Coordinates
  _____ N
  _____ E
- Latitude & Longitude
  _____ N
  _____ W
- Topo. Map No. _____
- Elevation _____ ft.
- Formation _____
- Lithology _____
- River Basin _____
- Province _____
- Type Logs _____
- Cuttings _____
- Water Analysis _____
- Aquifer Test _____

- Owner Shawn Donavan
- Well Designation or Number
- Address 9713 Kings Crown Ct. 101. Fairfax Va 22031
- Phone 703-347-1354
- Drilling Contractor R. L. Curtis Drill Co
- Address RT. 2. Box 163 Beaulton Va
- Phone 439-8377

Tax Map I.D. No. SD-86-1423(8)
Subdivision _____
Section 4
~~Block~~ Parcel 18
Lot B
Class Well: I _____, IIA _____,
IIB ✓, IIIA _____, IIIB _____
IIIC _____ IIID _____ IIIE _____

WELL LOCATION: _____ (feet/miles _____ direction) of _____
and _____ feet/miles _____ (direction) of _____
(If possible please include map showing location marked)

Date started 5/6/87 • Date completed 5/6/87 Type rig air

1. WELL DATA: New ✓ Reworked _____ Deepened _____
   - Total depth 205 ft.
   - Depth to bedrock 95 ft.
   - Hole size (Also include reamed zones)
     - 10 inches from 0 to 105 ft.
     - 6 inches from 105 to 205 ft.
     - _____ inches from _____ to _____ ft.
   - Casing size (I.D.) and material
     - 6 inches from 0 to 105 ft.
       Material Steel
       Wt. per foot 13 or wall thickness 188 in.
     - _____ inches from _____ to _____ ft.
       Material _____
       Wt. per foot _____ or wall thickness _____ in.
     - _____ inches from _____ to _____ ft.
       Material _____
       Wt. per foot _____ or wall thickness _____ in.
   - Screen size and mesh for each zone (where applicable)
     - _____ inches from _____ to _____ ft.
       Mesh size _____ Type _____
     - _____ inches from _____ to _____ ft.
       Mesh size _____ Type _____
     - _____ inches from _____ to _____ ft.
       Mesh size _____ Type _____
     - _____ inches from _____ to _____ ft.
       Mesh size _____ Type _____
   - Gravel pack
     - From _____ to _____ ft.
     - From _____ to _____ ft.
   - Grout
     - From 0 to 50 ft., Type Pressure
     - From _____ to _____ ft., Type _____

2. WATER DATA • Water temperature _____ °F
   - Static water level (unpumped level measured) 29 ft.
   - Stabilized measured pumping water level 204 ft.
   - Stabilized yield 12 gpm after 4 hours
   - Natural Flow: Yes _____ No _____, flow rate _____ gpm
   - Comment on quality _____

3. WATER ZONES: From _____ To _____
   From _____ To _____ From _____ To _____
   From _____ To _____ From _____ To _____

4. USE DATA:
   Type of use Drinking ✓, Livestock Watering _____,
   Irrigation _____, Food processing _____, Household ✓,
   Manufacturing _____, Fire safety _____, Cleaning _____,
   Recreation _____, Aesthetic _____, Cooling or heating _____,
   Injection _____, Other _____
   - Type of facility Domestic ✓, Public water supply _____,
     Public institution _____, Farm _____, Industry _____,
     Commercial _____, Other _____

5. PUMP DATA: Type _____ • Rated H.P. _____
   - Intake depth _____ • Capacity _____ at _____ head

6. WELLHEAD: Type well seal _____
   Pressure tank _____ gal., Loc. _____
   Sample tap _____, Measurement port _____
   Well vent _____, Pressure relief valve _____
   Gate valve _____, Check valve (when required) _____
   Electrical disconnect switch on power supply _____

7. DISINFECTION: Well disinfected _____ yes _____ no
   Date _____, Disinfectant used _____
   Amount _____, Hours used _____

8. ABANDONMENT (where applicable) • yes _____ no _____
   Casing pulled yes _____ no _____ not applicable _____
   Plugging grout From _____ to _____ material _____

OVER

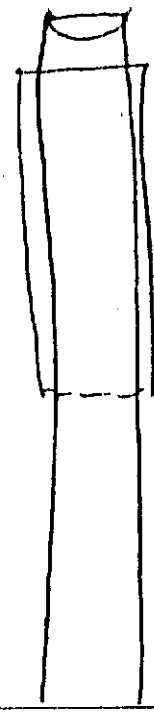
intended for water, or any other non-exempt well. This information must be submitted whether the well is ... Information required includes: an accurately and completely prepared water well completion report, full data from cuttings taken at ten foot intervals (unless exemption is secured), the results of any chemical analyses, and copies of any pumpage and use reports are required from owners of public supply and industrial wells. County or State permits to drill may be ... the state. Some counties require submission of a water well completion report. The Virginia State Health Department requires a water ... report for public supply wells.

10. DRILLERS LOG (use additional Sheets if necessary)

DEPTH (feet) From	DEPTH (feet) To	TYPE OF ROCK OR SOIL (color, material, fossils, hardness, etc.)	REMARKS (water, caving, cavities, broken, core, shot, (etc.)	11. Drilling Time (Min.)
0	95	red soil		
95	205	blue rock.		

12. DIAGRAM OF WELL CONSTRUCTION (with dimensions)

Well 205 ft
103 ft casing
50 ft grout



13. Well lot dedicated? _____; Size _____ ft. X _____ ft.; Well house? _____
Distance to nearest pollutant source _____ ft., Type _____
Distance to nearest property line _____ ft., Building _____ ft.

14. WATER SERVICE PIPE: Checked under _____ p.s.i. for _____ minutes. Pipe size _____ inches, Material _____
Installer _____
Date _____

15. I certify that the information contained herein is true and correct and that this well and/or system has been installed and constructed in accordance with the requirements for well construction as specified in compliance with appropriate county or independent city ordinances and the laws and rules of the Commonwealth of Virginia.

Signature Raymond L Curtis (Seal), Date 5/6/87
(Well driller or authorized person)
License No. _____

State Water Control Board Regional Offices

Valley Reg. Off.
116 North Main Street
P. O. Box 268
Bridgewater, Va. 22812
703-828-2595

Piedmont Reg. Off.
4010 West Broad Street
P. O. Box 6616
Richmond, Va. 23230
804-257-1006

Southwest Reg. Off.
408 East Main Street
P. O. Box 476
Abingdon, Va. 24210
703-628-5183

Tidewater Reg. Off.
287 Pembroke Office Park
Suite 310 Pembroke No. 2
Va. Beach, Va. 23462
804-499-8742

West Central Reg. Off.
Executive Park
5312 Peters Creek Road
Roanoke, Va. 24019
708-982-7432

Northern Virginia Reg. Off.
5515 Cherokee Avenue
Suite 404
Alexandria, Va. 22312
703-750-9111

State Water Control Board
P. O. Box 11143
1111 North Hamilton St.
Richmond, Va. 23230

RECEIVED AUG 1 FAUQUIER COUNTY HEALTH DEPARTMENT

(Certification of Completion/County Permit)

LOT 7161 GULLEDGE

County/City Fauquier

County/City Stamp

SWCB Permit _____
County Permit SD-88-0454
Certification of inspecting official:
This well does _____ does not _____ meet code/low requirements.
S. _____
Date _____
For Office Use

- Virginia Plane Coordinates
  _____ N
  _____ E
- Latitude & Longitude
  _____ N
  _____ W
- Topo. Map No. _____
- Elevation _____ ft.
- Formation _____
- Lithology _____
- River Basin _____
- Province _____
- Type Logs _____
- Cuttings _____
- Water Analysis _____
- Aquifer Test _____

- Owner Stewart McDaniel
- Well Designation or Number _____
- Address Rt. 6 Box 273A
  Warrenton, Va. 22186
- Phone 347-5676
- Drilling Contractor _____
- Address DOMINION WELL COMPANY
  361-3449 Manassas 361-9128
- Phone 1-800-523-2977

Tax Map I.D. No. _____
Subdivision Chestnut Meadows
Section _____
Block Rt. 673
Lot C
Class Well I _____, IIA _____,
IIB x, IIIA _____, IIIB _____
IIIC _____ IIID _____ IIIE _____

WELL LOCATION: _____ (feet/miles _____ direction) of _____
and _____ feet/miles _____ (direction) of _____
(If possible please include map showing location marked)

Directions: See reverse

Date started 8 1888 • Date completed 8-2-88 Type rig air rotary

WELL DATA: New x Reworked _____ Deepened _____

- Total depth 250 ft.
- Depth to bedrock 110 ft.
- Hole size (Also include reamed zones)
  - 10 inches from 0 to 120 ft.
  - 6-1/8 inches from 120 to 250 ft.
  - _____ inches from _____ to _____ ft.
- Casing size (I.D.) and material
  - 6-1/4 inches from +1 to 120 ft.
    Material steel
    Wt. per foot 13 or wall thickness .138 in.
  - _____ inches from _____ to _____ ft.
    Material _____
    Wt. per foot _____ or wall thickness _____ in.
  - _____ inches from _____ to _____ ft.
    Material _____
    Wt. per foot _____ or wall thickness _____ in.
- Screen size and mesh for each zone (where applicable)
  - _____ inches from _____ to _____ ft.
    Mesh size _____ Type _____
  - _____ inches from _____ to _____ ft.
    Mesh size _____ Type _____
  - _____ inches from _____ to _____ ft.
    Mesh size _____ Type _____
  - _____ inches from _____ to _____ ft.
    Mesh size _____ Type _____
- Gravel pack
  - From _____ to _____ ft.
  - From _____ to _____ ft.
- Grout
  - From 0 to 50 ft., Type pressure
  - From _____ to _____ ft., Type 25 bags

2. WATER DATA • Water temperature _____ °F
- Static water level (unpumped level-measured) 20 ft.
- Stabilized measured pumping water level _____ ft.
- Stabilized yield 15 gpm after 1 hours
Natural Flow: Yes _____ No x, flow rate _____ gpm
Comment on quality clear

3. WATER ZONES: From 150 To 155
From 220 To 225 From _____ To _____
From _____ To _____ From _____ To _____

4. USE DATA:
Type of use: Drinking x, Livestock Watering _____,
Irrigation _____, Food processing _____, Household x,
Manufacturing _____, Fire safety _____, Cleaning _____,
Recreation _____, Aesthetic _____, Cooling or heating _____,
Injection _____, Other _____
- Type of facility: Domestic x, Public water supply _____,
  Public institution _____, Farm _____, Industry _____,
  Commercial _____, Other _____

5. PUMP DATA: Type _____ • Rated H.P. _____
- Intake depth _____ • Capacity _____ at _____ head

6. WELLHEAD: Type well seal _____
Pressure tank _____ gal., Loc. _____
Sample tap _____, Measurement port _____
Well vent _____, Pressure relief valve _____
Gate valve _____, Check valve (when required) _____
Electrical disconnect switch on power supply _____

7. DISINFECTION: Well disinfected _____ yes _____ no
Date _____, Disinfectant used _____
Amount _____, Hours used _____

8. ABANDONMENT (where applicable) • yes _____ no _____
Casing pulled yes _____ no _____ not applicable _____
Plugging grout From _____ to _____ material _____

OVER

9. State law requires submitting to the Virginia State Water Control Board information about groundwater and wells for every well made in the State intended for water, or any other non-exempt well. This information must be submitted whether the well is completed, on standby, or abandoned. Information required includes: an accurately and completely prepared water well completion report, full data from any aquifer pumping tests, drill cuttings taken at ten foot intervals (unless exemption is secured), the results of any chemical analyses, and copies of any geophysical logs. Quarterly pumpage and use reports are required from owners of public supply and industrial wells. County or State permits to drill may be required in some parts of the state. Some counties require submission of a water well completion report. The Virginia State Health Department requires a water well completion report for public supply wells.

10. DRILLERS LOG (use additional Sheets if necessary)				11.	12. DIAGRAM OF WELL CONSTRUCTION (with dimensions)
DEPTH (feet) From	DEPTH (feet) To	TYPE OF ROCK OR SOIL (color, material, fossils, hardness, etc.)	REMARKS (water, caving, cavities, broken, core, shot, (etc.)	Drilling Time (Min.)	
0	110	OVERBURDEN			
110	250	GRAY SHALE			
		RT. 66W TO RT. 29 S (R) TO RT. 673 (R) (ACROSS FROM BIG K RADIO) TO 1ST NEW CONSTRUCTION ON (R).)			

13. Well lot dedicated? _____, Size _____ ft. X _____ ft., Well house? _____
Distance to nearest pollutant source _____ ft., Type _____
Distance to nearest property line _____ ft., Building _____ ft.

14. WATER SERVICE PIPE: Checked under _____ p.s.i. for _____ minutes. Pipe size _____ inches, Material _____
Installer _____
Date _____

15. I certify that the information contained herein is true and correct and that this well and/or system has been installed and constructed in accordance with the requirements for well construction as specified in compliance with appropriate county or independent city ordinances and the laws and rules of the Commonwealth of Virginia.

Signature Edward M. Craig (Seal), Date 8-10-88
(Well driller or authorized person)
License No. _____

State Water Control Board Regional Offices

Valley Reg. Off.
116 North Main Street
P. O. Box 268
Bridgewater, Va. 22812
703-828-2595

Piedmont Reg. Off.
4010 West Broad Street
P. O. Box 6616
Richmond, Va. 23230
804-257-1006

Southwest Reg. Off.
408 East Main Street
P. O. Box 476
Abingdon, Va. 24210
703-628-5183

Tidewater Reg. Off.
287 Pembroke Office Park
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Va. Beach, Va. 23462
804-499-8742

West Central Reg. Off.
Executive Park
5312 Peters Creek Road
Roanoke, Va. 24019
703 - 982 - 7432

Northern Virginia Reg. Off.
5515 Cherokee Avenue
Suite 404
Alexandria, Va. 22312
703-750-9111

APPENDIX C

RAW WATER LEVEL DATA
STEP DRAWDOWN TESTS ON
PRODUCTION WELLS E-1 AND E-6

STEP DRAWDOWN TEST DATA SHEET FOR PUMPING WELL E-1

PROJECT: New Baltimore, Virginia WSA
SUBCONTRACTOR: Valley Drilling
PUMP/PUMP SETTING:
DISCHARGE RATE: 155, 255, and 360 gpm

PUMPING WELL: E-1
STATIC WATER LEVEL: 8.66 feet
MAXIMUM DRAWDOWN: 32.54 feet
MEASURING POINT: Top of Measuring Tube
OTHER PUMPING WELL(S): None

	Date	Hour	Minute
Start of Pumping:	8/26/94	12	5
Start of Recovery	8/26/94	14	20

Duration of Pumping (hrs)	2.25
Duration of Recovery(hrs)	0.50

PUMPING DATA							RECOVERY DATA					
	24 Hour Time		Cum. Time	Water Level	Discharge	Comments		24 Hour Time		Cum. Time	Cum. Time	Water Level
Date	Hour	Minute	(minutes)	(feet)	Q (GPM)		Date	Hour	Minute	t (minutes)	t' (minutes)	(feet)
8/26/94	12	0	-5	8.66			8/26/94	14	21	136	1	34.43
8/26/94	12	6	1	16.9		STEP 1	8/26/94	14	22	137	2	32.38
8/26/94	12	7	2	13.82			8/26/94	14	23	138	3	30.8
8/26/94	12	8	3	14.3			8/26/94	14	25	140	5	28.6
8/26/94	12	9	4	13.28			8/26/94	14	27	142	7	27.57
8/26/94	12	10	5	14.3			8/26/94	14	29	144	9	26.18
8/26/94	12	11	6	14.45			8/26/94	14	30	145	10	25.06
8/26/94	12	12	7	14.92	152		8/26/94	14	35	150	15	22.81
8/26/94	12	13	8	15.11			8/26/94	14	40	155	20	21.02
8/26/94	12	14	9	15.35			8/26/94	14	45	160	25	19.77
8/26/94	12	15	10	15.65			8/26/94	14	50	165	30	18.75
8/26/94	12	17	12	16.14								
8/26/94	12	19	14	16.6	162							
8/26/94	12	21	16	16.86								
8/26/94	12	23	18	17.27								
8/26/94	12	25	20	17.61								
8/26/94	12	30	25	18.26								
8/26/94	12	35	30	18.76								
8/26/94	12	40	35	19.28								
8/26/94	12	45	40	19.77								
8/26/94	12	50	45	20.11								
8/26/94	12	55	50	24.15		STEP 2						
8/26/94	13	0	55	25.74	265							
8/26/94	13	5	60	26.72								
8/26/94	13	10	65	27.57								
8/26/94	13	15	70	28.26	250							
8/26/94	13	20	75	28.89								
8/26/94	13	25	80	29.46								
8/26/94	13	30	85	29.94								
8/26/94	13	35	90	30.5	361	STEP 3						
8/26/94	13	42	97	35.36								
8/26/94	13	45	100	36.11								
8/26/94	13	50	105	37.27								
8/26/94	13	55	110	38.1								
8/26/94	14	0	115	38.85								
8/26/94	14	5	120	39.58								
8/26/94	14	10	125	40.12	363							
8/26/94	14	15	130	40.6								
8/26/94	14	20	135	41.2								

STEP DRAWDOWN TEST DATA SHEET FOR PUMPING WELL E-6

PROJECT: New Baltimore, Virginia WSA
SUBCONTRACTOR: Valley Drilling
PUMP/PUMP SETTING:
DISCHARGE RATE: 155, 275, and 400 gpm

PUMPING WELL: E-6
STATIC WATER LEVEL: 5.55 feet
MAXIMUM DRAWDOWN: 36.21 feet
MEASURING POINT: Top of Measuring Tube
OTHER PUMPING WELL(S): None

	Date	Hour	Minute
Start of Pumping:	8/26/94	9	15
Start of Recovery:	8/26/94	11	30

Duration of Pumping (hrs)	2.25
Duration of Recovery(hrs)	0.25

PUMPING DATA							RECOVERY DATA					
	24 Hour Time		Cum. Time	Water Level	Discharge	Comments		24 Hour Time		Cum. Time	Cum. Time	Water Level
Date	Hour	Minute	(minutes)	(feet)	Q (GPM)		Date	Hour	Minute	t (minutes)	t' (minutes)	(feet)
8/26/94	8	50	-25	5.55			8/26/94	11	31	136	1	34.43
8/26/94	9	16	1	11.82		STEP 1	8/26/94	11	32	137	2	32.38
8/26/94	9	17	2	10.75	180		8/26/94	11	33	138	3	30.8
8/26/94	9	18	3	10.99	150		8/26/94	11	34	139	4	28.6
8/26/94	9	19	4	11.28			8/26/94	11	35	140	5	27.57
8/26/94	9	20	5	11.67	150		8/26/94	11	40	145	10	26.18
8/26/94	9	21	6	11.92			8/26/94	11	45	150	15	25.06
8/26/94	9	22	7	12.11								
8/26/94	9	23	8	12.68	146							
8/26/94	9	24	9	13.12	154							
8/26/94	9	25	10	13.38								
8/26/94	9	27	12	13.78								
8/26/94	9	29	14	14.32								
8/26/94	9	31	16	14.62								
8/26/94	9	33	18	15.1								
8/26/94	9	35	20	15.35	155							
8/26/94	9	40	25	16.16	153							
8/26/94	9	45	30	16.68								
8/26/94	9	50	35	17.12	150							
8/26/94	9	55	40	17.59								
8/26/94	10	0	45	18		STEP 2						
8/26/94	10	5	50	22.82	275							
8/26/94	10	10	55	24.3								
8/26/94	10	15	60	25.27								
8/26/94	10	20	65	26.35								
8/26/94	10	25	70	27.14								
8/26/94	10	30	75	27.97								
8/26/94	10	35	80	28.46								
8/26/94	10	40	85	28.99								
8/26/94	10	45	90	29.46		STEP 3						
8/26/94	10	50	95	34.7	413							
8/26/94	10	55	100	36.19								
8/26/94	11	0	105	37.17								
8/26/94	11	5	110	38.29								
8/26/94	11	10	115	39.08								
8/26/94	11	15	120	39.81								
8/26/94	11	20	125	40.6	363							
8/26/94	11	25	130	41.18								
8/26/94	11	30	135	41.76								

APPENDIX D

RAW WATER LEVEL DATA
FOR
CONSTANT RATE PUMPING TEST
OF
WELLS E-1, E-6, AND E-7

Emery & Garrett Groundwater, Inc.

PUMPING WELL E-1

Emery & Garrett Groundwater, Inc.

PUMPING TEST DATA SHEET FOR PUMPING WELL E-1

PROJECT: New Baltimore, Fauquier County WSA
SUBCONTRACTOR: Valley Drilling
PUMP/PUMP SETTING:
DISCHARGE RATE: 340 gpm (average)

PUMPING WELL: E-1
STATIC WATER LEVEL: 8.46 feet
MAXIMUM DRAWDOWN: 48.93 feet
MEASURING POINT: Top of Measuring Tube
OTHER PUMPING WELL(S):E-7, E-6

	Date	Hour	Minute
Start of Pumping:	8/29/94	13	0
Start of Recovery:	9/2/94	12	0

Duration of Pumping (hrs): 95.00
Duration of Recovery(hrs): 97.00

PUMPING DATA							RECOVERY DATA					
	24 Hour Time		Cum. Time	Water Level	Discharge	Comments		24 Hour Time		Cum. Time	Cum. Time	Water Level
Date	Hour	Minute	(minutes)	(feet)	Q (GPM)		Date	Hour	Minute	t (minutes)	t' (minutes)	(feet)
8/29/94	10	0	-180	8.55			9/2/94	12	0.1	5760.1	0.1	57.28
8/29/94	13	0.1	0.1	8.46			9/2/94	12	1	5761	1	50.09
8/29/94	13	0.5	0.5	12.2		Light rain from 12:30-13:30	9/2/94	12	2	5762	2	48.15
8/29/94	13	1	1	13.25		No accumulation	9/2/94	12	3	5763	3	46.55
8/29/94	13	1.5	1.5	14.71			9/2/94	12	4	5764	4	45.26
8/29/94	13	2	2	15.54			9/2/94	12	5	5765	5	44.16
8/29/94	13	3	3	17.51			9/2/94	12	6	5766	6	43.18
8/29/94	13	4	4	18.73			9/2/94	12	7	5767	7	42.32
8/29/94	13	5	5	19.63			9/2/94	12	8	5768	8	41.53
8/29/94	13	6	6	20.55			9/2/94	12	9	5769	9	40.51
8/29/94	13	7	7	21.47			9/2/94	12	10	5770	10	40.12
8/29/94	13	8	8	22.2			9/2/94	12	12	5772	12	38.97
8/29/94	13	9	9	22.92			9/2/94	12	14	5774	14	37.96
8/29/94	13	10	10	23.6			9/2/94	12	16	5776	16	37.03
8/29/94	13	13	13	25.11			9/2/94	12	18	5778	18	36.18
8/29/94	13	15	15	25.9	330		9/2/94	12	20	5720	20	35.46
8/29/94	13	17	17	26.8			9/2/94	12	25	5725	25	33.69
8/29/94	13	20	20	27.79			9/2/94	12	30	5730	30	32.23
8/29/94	13	25	25	29.3			9/2/94	12	35	5735	35	31.21
8/29/94	13	30	30	30.6	316		9/2/94	12	40	5740	40	30.23
8/29/94	13	35	35	31.78			9/2/94	12	45	5745	45	29.38
8/29/94	13	40	40	32.68			9/2/94	12	50	5750	50	28.68
8/29/94	13	46	46	33.65	315		9/2/94	13	0	5760	60	27.45
8/29/94	13	50	50	34.21			9/2/94	13	10	5770	70	26.46
8/29/94	14	0	60	35.36			9/2/94	13	20	5780	80	25.62
8/29/94	14	10	70	36.36			9/2/94	13	30	5790	90	24.89
8/29/94	14	20	80	37.28			9/2/94	13	40	5800	100	24.22
8/29/94	14	30	90	38.04			9/2/94	13	50	5810	110	23.73
8/29/94	14	40	100	38.75			9/2/94	14	0	5820	120	23.11
8/29/94	14	50	110	39.39			9/2/94	14	30	5850	150	21.82
8/29/94	15	0	120	39.94			9/2/94	15	0	5880	180	20.83
8/29/94	15	10	130	40.49			9/2/94	16	4	5944	244	19.2
8/29/94	15	20	140	40.86			9/2/94	17	2	6002	302	18.01
8/29/94	15	30	150	41.3			9/2/94	19	25	6145	445	16.7
8/29/94	15	40	160	41.65			9/2/94	21	38	6278	578	15.82
8/29/94	15	50	170	41.95			9/2/94	23	43	6403	703	15.18
8/29/94	16	0	180	42.33			9/3/94	6	41	6821	1121	13.68
8/29/94	16	10	190	42.57			9/3/94	9	30	6990	1290	13.31
8/29/94	16	20	200	43.12			9/3/94	11	58	7138	1438	13.06
8/29/94	16	30	210	43.53			9/3/94	14	48	7308	1608	12.61
8/29/94	16	50	230	44.12		WQ - pH=7.57, T=15C	9/3/94	17	46	7486	1786	12.27
8/29/94	17	0	240	44.34		Cond.=210 uS, Fe=0.07mg/L	9/3/94	22	46	7786	2086	11.88
8/29/94	17	10	250	44.54			9/4/94	6	45	8265	2565	11.26
8/29/94	17	20	260	44.78			9/4/94	9	12	8412	2712	11.21
8/29/94	17	30	270	44.98			9/4/94	12	14	8594	2894	11.08
8/29/94	17	40	280	45.12			9/4/94	15	2	8762	3062	10.84
8/29/94	18	0	300	45.48			9/6/94	13	0	11520	5820	9.5
8/29/94	18	30	330	45.94								
8/29/94	19	0	360	46.28								
8/29/94	19	30	390	46.66	324							
8/29/94	20	0	420	46.99								
8/29/94	20	30	450	47.28								
8/29/94	21	0	480	47.56								
8/29/94	22	0	540	47.96								
8/29/94	23	0	600	48.38								
8/30/94	0	0	660	48.63								
8/30/94	1	0	720	48.94								
8/30/94	2	0	780	49.13								
8/30/94	3	0	840	49.32								
8/30/94	4	0	900	49.49								
8/30/94	5	0	960	49.66								
8/30/94	6	0	1020	49.79								
8/30/94	7	0	1080	49.93								
8/30/94	8	0	1140	50.03								
8/30/94	9	0	1200	50.11								
8/30/94	10	0	1260	50.19		WQ- 10:00 pH=7.48, T=15C						
8/30/94	11	0	1320	50.25		Cond=219 uS, Fe=.028 mg/l						
8/30/94	12	0	1380	50.3		WaterCheck collected @ 10.00						
8/30/94	13	0	1440	50.87								
8/30/94	14	0	1500	51.29		WQ- 14:20 pH=7.48, T=15C						
8/30/94	15	0	1560	51.47		Cond=221uS, Fe=0.026mg/l						
8/30/94	16	0	1620	51.62		Mn=.13mg/l						
8/30/94	17	0	1680	51.74	350	Increased Q						
8/30/94	17	12	1692	52.75								
8/30/94	17	29	1709	53.2								
8/30/94	18	0	1740	53.94								
8/30/94	19	0	1800	54.43								
8/30/94	20	0	1860	54.68								
8/30/94	21	0	1920	54.89								
8/30/94	22	0	1980	54.99								
8/31/94	0	0	2100	55.19								
8/31/94	2	0	2220	55.34								
8/31/94	4	0	2340	55.55								
8/31/94	6	0	2460	55.62								
8/31/94	8	0	2580	55.74		WQ- 9:30 pH=7.07, T=15C						

PUMPING DATA							RECOVERY DATA					
	24 Hour Time		Cum. Time	Water Level	Discharge	Comments		24 Hour Time		Cum. Time	Cum. Time	Water Level
Date	Hour	Minute	(minutes)	(feet)	Q (GPM)		Date	Hour	Minute	t (minutes)	t' (minutes)	(feet)
8/31/94	10	0	2700	55.79		Cond=226uS, Fe=0.08mg/l						
8/31/94	12	0	2820	55.83		Mn=.17mg/l						
8/31/94	14	0	2940	55.88								
8/31/94	16	0	3060	55.99		WQ- 16:00 pH=7.17, T=15C						
8/31/94	18	0	3180	56		Cond=231uS, Fe=0.05mg/l						
8/31/94	20	0	3300	56.14		Mn=.12-.14mg/l						
8/31/94	22	0	3420	56.24		Rain - 0.24" (19:55-20:20)						
9/1/94	0	0	3540	56.29								
9/1/94	2	0	3660	56.38								
9/1/94	4	0	3780	56.48								
9/1/94	6	0	3900	56.54								
9/1/94	8	0	4020	56.59		WQ- 9:40 pH=7.3, T=15C						
9/1/94	10	0	4140	56.68		Cond=238uS, Fe=0.06mg/l						
9/1/94	12	0	4260	56.72		Mn=.10mg/l						
9/1/94	14	0	4380	56.75								
9/1/94	16	0	4500	56.79		WQ- 15:50 pH=7.14, T=16C						
9/1/94	18	0	4620	56.81		Cond=239uS, Fe=0.1mg/l						
9/1/94	20	0	4740	56.91		Mn=.12-.14mg/l						
9/1/94	22	0	4860	57.04								
9/2/94	0	0	4980	57.09								
9/2/94	2	0	5100	57.13								
9/2/94	4	0	5220	57.14		WQ- 7:50 pH=7.14, T=16C						
9/2/94	6	0	5340	57.23		Cond=239uS, Fe=0.1mg/l						
9/2/94	8	0	5460	57.29		Mn=.12-.14mg/l						
9/2/94	10	0	5580	57.39		Waterchack collected-10:30						
9/2/94	12	0	5700	57.28		Radon #727552						

PUMPING WELL E-6

Emery & Garrett Groundwater, Inc.

PUMPING TEST DATA SHEET FOR PUMPING WELL E-6

PROJECT: New Baltimore, Virginia
SUBCONTRACTOR: Valley Drilling
PUMP/PUMP SETTING:
DISCHARGE RATE: 320-350 gpm

PUMPING WELL: E-6
STATIC WATER LEVEL: 5.84 feet
MAXIMUM DRAWDOWN: 46.85 feet
MEASURING POINT: Top of Measuring Tube
OTHER PUMPING WELL(S): E-1 and E-7

	Date	Hour	Minute
Start of Pumping:	8/29/94	17	45
Start of Recovery:	9/2/94	12	0

Duration of Pumping (hours)	90.25
Duration of Recovery(hours)	99.00

PUMPING DATA							RECOVERY DATA					
	24 Hour Time		Cum. Time	Water Level	Discharge	Comments		24 Hour Time		Cum. Time	Cum. Time	Water Level
Date	Hour	Minute	(minutes)	(feet)	Q (GPM)		Date	Hour	Minute	t (minutes)	t' (minutes)	(feet)
8/29/94	9	47	-478	5.75			9/2/94	12	0.1	5415.1	0.1	52.69
8/29/94	13	0	-285	5.84		BEGIN PUMPING E-1	9/2/94	12	1	5416	1	45.05
8/29/94	13	5	-280	5.84			9/2/94	12	2	5417	2	43.8
8/29/94	13	10	-275	5.84			9/2/94	12	3	5418	3	42.8
8/29/94	13	15	-270	5.84			9/2/94	12	4	5419	4	42.1
8/29/94	13	20	-265	5.84			9/2/94	12	5	5420	5	41.35
8/29/94	13	25	-260	5.84			9/2/94	12	6	5421	6	40.76
8/29/94	13	30	-255	5.84			9/2/94	12	7	5422	7	40.23
8/29/94	13	35	-250	5.84			9/2/94	12	8	5423	8	39.65
8/29/94	13	40	-245	5.75			9/2/94	12	9	5424	9	39.14
8/29/94	13	45	-240	5.75			9/2/94	12	10	5425	10	38.85
8/29/94	13	50	-235	5.75			9/2/94	12	12	5427	12	37.98
8/29/94	13	55	-230	5.7			9/2/94	12	14	5429	14	37.27
8/29/94	14	0	-225	5.7			9/2/94	12	16	5431	16	36.57
8/29/94	14	10	-215	5.8			9/2/94	12	18	5433	18	35.95
8/29/94	14	20	-205	5.73			9/2/94	12	20	5435	20	35.35
8/29/94	14	30	-195	5.8			9/2/94	12	25	5440	25	33.98
8/29/94	14	45	-180	5.74			9/2/94	12	30	5445	30	32.85
8/29/94	15	0	-165	5.71			9/2/94	12	35	5450	35	31.81
8/29/94	15	30	-135	5.75			9/2/94	12	40	5455	40	30.98
8/29/94	16	0	-105	5.81			9/2/94	12	45	5460	45	30.09
8/29/94	16	30	-75	5.99			9/2/94	12	50	5465	50	29.35
8/29/94	17	0	-45	5.88		Static WL	9/2/94	13	0	5475	60	28.1
8/29/94	17	45.1	0.1	5.88		BEGIN PUMPING E-6	9/2/94	13	10	5485	70	26.91
8/29/94	17	46	1	13.72			9/2/94	13	20	5495	80	26.98
8/29/94	17	47	2	14.05			9/2/94	13	30	5505	90	25.17
8/29/94	17	48	3	14.8			9/2/94	13	40	5515	100	24.41
8/29/94	17	49	4	16.03			9/2/94	13	50	5525	110	23.8
8/29/94	17	50	5	16.88			9/2/94	14	0	5535	120	23.1
8/29/94	17	51	6	17.32			9/2/94	14	30	5565	150	21.59
8/29/94	17	52	7	17.96			9/2/94	15	16	5611	196	19.75
8/29/94	17	53	8	18.56			9/2/94	16	16	5671	256	17.94
8/29/94	17	54	9	18.94			9/2/94	17	20	5735	320	16.74
8/29/94	17	55	10	19.62	330		9/2/94	19	46	5881	466	15.91
8/29/94	17	57	12	20.65			9/2/94	22	0	6015	600	14
8/29/94	18	0	15	21.77			9/3/94	0	2	6137	722	13.37
8/29/94	18	2	17	22.71			9/3/94	7	10	6565	1150	11.92
8/29/94	18	5	20	23.44			9/3/94	9	46	6721	1306	11.63
8/29/94	18	10	25	24.93			9/3/94	12	10	6865	1450	11.33
8/29/94	18	15	30	25.96	319		9/3/94	14	30	7005	1590	11.01
8/29/94	18	20	35	26.9			9/3/94	18	4	7219	1804	10.64
8/29/94	18	25	40	28.03	319		9/3/94	23	4	7519	2104	10.24
8/29/94	18	30	45	28.67			9/4/94	7	7	8002	2587	9.69
8/29/94	18	35	50	29.42			9/4/94	9	28	8143	2728	9.56
8/29/94	18	40	55	30.05			9/4/94	12	32	8327	2912	9.3
8/29/94	18	45	60	30.61	319		9/4/94	15	25	8500	3085	9.16
8/29/94	18	50	65	31.17			9/6/94	15	0	11355	5940	6.72
8/29/94	18	55	70	31.76								
8/29/94	19	5	80	32.49								
8/29/94	19	15	90	33.43								
8/29/94	19	25	100	33.89	318							
8/29/94	19	35	110	34.6								
8/29/94	19	45	120	35.15								
8/29/94	19	55	130	35.54								
8/29/94	20	5	140	36.02								
8/29/94	20	15	150	36.4	316							
8/29/94	20	25	160	36.75								
8/29/94	20	35	170	37								
8/29/94	20	45	180	37.32								
8/29/94	20	55	190	37.66								
8/29/94	21	0	195	37.73								
8/29/94	21	30	225	38.4								
8/29/94	22	0	255	38.86								
8/29/94	22	30	285	39.33								
8/29/94	23	0	315	39.7								
8/29/94	23	30	345	40.3								
8/30/94	0	0	375	40.45								
8/30/94	0	30	405	40.8								
8/30/94	1	0	435	40.91								
8/30/94	2	0	495	41.32								
8/30/94	3	0	555	41.69								
8/30/94	4	0	615	41.95								
8/30/94	5	0	675	42.24								
8/30/94	6	0	735	42.28								
8/30/94	7	0	795	42.51								
8/30/94	8	0	855	42.52	320	Adjusted Q						

PUMPING DATA							RECOVERY DATA					
	24 Hour Time		Cum. Time	Water Level	Discharge	Comments		24 Hour Time		Cum. Time	Cum. Time	Water Level
Date	Hour	Minute	(minutes)	(feet)	Q (GPM)		Date	Hour	Minute	t (minutes)	t' (minutes)	(feet)
8/30/94	9	0	915	43.41		WaterCheck collected @11:00						
8/30/94	10	0	975	43.6		WQ- 10:32 pH=7.04, T=15C						
8/30/94	11	0	1035	43.74		Cond=214uS, Fe=1.2mg/l						
8/30/94	12	0	1095	43.8		Mn=0.13mg/l						
8/30/94	13	0	1155	43.8								
8/30/94	14	0	1215	44.05		WQ- 14:50 pH=7.11, T=15C						
8/30/94	15	0	1275	44		Cond=208uS, Fe=1.25mg/l						
8/30/94	16	0	1335	44.11		Mn=0.15mg/l						
8/30/94	17	0	1395	44.18	350	Increased Q						
8/30/94	17	15	1410	45.92								
8/30/94	17	30	1425	46.3		WQ- 17:30 pH=6.92, T=15C						
8/30/94	17	45	1440	46.74		Cond=210uS, Fe=1.23mg/l						
8/30/94	18	0	1455	46.84		Mn=0.18-0.2mg/l						
8/30/94	18	0	1455	47.13								
8/30/94	19	0	1515	47.43								
8/30/94	20	0	1575	47.65								
8/30/94	21	0	1635	47.97								
8/30/94	22	0	1695	48.15								
8/30/94	23	0	1755	48.15								
8/31/94	0	0	1815	48.32								
8/31/94	1	0	1875	48.4								
8/31/94	2	0	1935	48.5								
8/31/94	3	0	1995	48.6								
8/31/94	4	0	2055	48.77								
8/31/94	6	20	2195	48.97								
8/31/94	7	0	2235	48.98								
8/31/94	8	0	2295	49.13								
8/31/94	9	0	2355	49.22								
8/31/94	10	0	2415	49.4		WQ- 10:25 pH=6.63, T=15C						
8/31/94	11	0	2475	49.4		Cond=204uS, Fe=>1.25mg/l						
8/31/94	12	0	2535	49.4		Mn=0.17-0.19mg/l						
8/31/94	13	0	2595	49.35								
8/31/94	14	0	2655	49.59								
8/31/94	15	0	2715	49.5		WQ- 15:15 pH=6.92, T=15C						
8/31/94	16	0	2775	49.62		Cond=204uS, Fe=>1.25mg/l						
8/31/94	17	0	2835	49.74		Mn=0.17-0.19mg/l						
8/31/94	18	0	2895	49.73								
8/31/94	19	0	2955	49.8		Rain - 0.24" (19:55-20:20)						
8/31/94	20	0	3015	49.96								
8/31/94	21	0	3075	50.1								
8/31/94	22	0	3135	50.2								
8/31/94	23	0	3195	50.21								
9/1/94	0	0	3255	50.27								
9/1/94	1	0	3315	50.3								
9/1/94	2	0	3375	50.38								
9/1/94	3	0	3435	50.48								
9/1/94	4	0	3495	50.5								
9/1/94	5	0	3555	50.63								
9/1/94	6	0	3615	50.7								
9/1/94	7	0	3675	50.82								
9/1/94	8	0	3735	50.93								
9/1/94	9	0	3795	51.12		WQ- 9:00 pH=6.66, T=14C						
9/1/94	10	0	3855	51.2		Cond=202uS, Fe=>1.25mg/l						
9/1/94	11	0	3915	51.23		Mn=0.13-0.15mg/l						
9/1/94	12	0	3975	51.23								
9/1/94	13	0	4035	51.26								
9/1/94	14	0	4095	51.37								
9/1/94	15	0	4155	51.42		WQ- 15:15 pH=6.46, T=15C						
9/1/94	16	0	4215	51.49		Cond=199uS, Fe=>1.25mg/l						
9/1/94	17	0	4275	51.56		Mn=0.13-0.15mg/l						
9/1/94	18	0	4335	51.59								
9/1/94	19	0	4395	51.69								
9/1/94	20	0	4455	51.72								
9/1/94	21	0	4515	51.89								
9/1/94	22	0	4575	51.91								
9/1/94	23	0	4635	51.99								
9/2/94	0	0	4695	52								
9/2/94	1	0	4755	52.11								
9/2/94	2	0	4815	52.15								
9/2/94	3	0	4875	52.25								
9/2/94	4	0	4935	52.37								
9/2/94	5	0	4995	52.44								
9/2/94	6	0	5055	52.56								
9/2/94	7	0	5115	52.66								
9/2/94	8	0	5175	52.56		WQ- 8:20 pH=6.82, T=14C						
9/2/94	9	0	5235	52.73		Cond=196uS, Fe=>1.25mg/l						
9/2/94	10	0	5295	52.74		Mn=0.12mg/l						
9/2/94	11	0	5355	52.48		WaterCheck collected@10:00						
9/2/94	12	0	5415	52.69		Radon #727506 @11:30						

PUMPING WELL E-7

Emery & Garrett Groundwater, Inc.

PUMPING TEST DATA SHEET FOR WELL E-7

PROJECT: New Baltimore, Virginia
SUBCONTRACTOR: Valley Drilling
PUMP/PUMP SETTING:
DISCHARGE RATE: 78 gpm

PUMPING WELL: E-7
STATIC WATER LEVEL:6.32 feet
MAXIMUM DRAWDOWN: 63.26 feet
MEASURING POINT: Top of Monitoring Tube
OTHER PUMPING WELL(S): E-1 and E-6

	Date	Hour	Minute
Start of Pumping:	8/29/94	11	0
Start of Recovery:	9/1/94	13	0

Duration of Pumping (hours)	74.00
Duration of Recovery(hours)	118.00

PUMPING DATA							RECOVERY DATA					
	24 Hour Time		Cum Time	Water Level	Discharge	Comments		24 Hour Time		Cum. Time	Cum. Time	Water Level
Date	Hour	Minute	(minutes)	(feet)	Q (GPM)		Date	Hour	Minute	t (minutes)	t' (minutes)	(feet)
8/29/94	10	26	-34	6.32		Static WL	9/1/94	13	0.1	4440.1	0.1	69.58
8/29/94	11	0.1	0.1	6.32			9/1/94	13	0.5	4440.5	0.5	62.47
8/29/94	11	1	1	31.7			9/1/94	13	1	4441	1	58.33
8/29/94	11	2	2	39.35			9/1/94	13	1.5	4441.5	1.5	57.5
8/29/94	11	3	3	40.9			9/1/94	13	2	4442	2	56.47
8/29/94	11	4	4	41.36			9/1/94	13	3	4443	3	54.49
8/29/94	11	5	5	42.23			9/1/94	13	4	4444	4	52.55
8/29/94	11	6	6	43.31			9/1/94	13	5	4445	5	50.78
8/29/94	11	7	7	44.32			9/1/94	13	6	4446	6	49.3
8/29/94	11	8	8	45.26			9/1/94	13	7	4447	7	47.89
8/29/94	11	9	9	46.18			9/1/94	13	8	4448	8	46.62
8/29/94	11	10	10	46.77			9/1/94	13	9	4449	9	45.47
8/29/94	11	12	12	48.65	79		9/1/94	13	10	4450	10	44.38
8/29/94	11	14	14	49.3			9/1/94	13	12	4452	12	42.55
8/29/94	11	16	16	50.28			9/1/94	13	14	4454	14	40.88
8/29/94	11	18	18	51.08	79		9/1/94	13	16	4456	16	39.43
8/29/94	11	20	20	51.89			9/1/94	13	18	4458	18	38.05
8/29/94	11	25	25	53.42			9/1/94	13	20	4460	20	36.59
8/29/94	11	30	30	54.74			9/1/94	13	25	4465	25	33.84
8/29/94	11	35	35	55.82			9/1/94	13	30	4470	30	31.66
8/29/94	11	40	40	56.72			9/1/94	13	35	4475	35	29.79
8/29/94	11	45	45	57.56			9/1/94	13	40	4480	40	28.25
8/29/94	11	50	50	58.16			9/1/94	13	45	4485	45	26.55
8/29/94	11	55	55	58.9			9/1/94	13	50	4490	50	25.26
8/29/94	12	0	60	59.21			9/1/94	14	0	4500	60	22.98
8/29/94	12	5	65	59.28			9/1/94	14	10	4510	70	21.47
8/29/94	12	10	70	59.38	77		9/1/94	14	20	4520	80	20.05
8/29/94	12	15	75	59.7			9/1/94	14	30	4530	90	19.12
8/29/94	12	20	80	59.9			9/1/94	14	40	4540	100	18.5
8/29/94	12	25	85	60.22			9/1/94	14	50	4550	110	17.84
8/29/94	12	30	90	60.5			9/1/94	15	0	4560	120	17.15
8/29/94	13	0	120	61.62	78		9/1/94	15	30	4590	150	15.92
8/29/94	13	30	150	63			9/1/94	16	0	4620	180	15.13
8/29/94	14	0	180	63.85			9/1/94	16	30	4650	210	14.6
8/29/94	14	30	210	64.66	78		9/1/94	17	0	4680	240	14.05
8/29/94	15	0	240	65.18			9/1/94	17	57	4737	297	13.26
8/29/94	15	30	270	65.58			9/1/94	18	57	4797	357	12.67
8/29/94	16	0	300	65.73			9/1/94	20	3	4863	423	12.04
8/29/94	16	30	330	66			9/1/94	21	3	4923	483	11.56
8/29/94	17	0	360	66.3			9/1/94	23	0	5040	600	10.89
8/29/94	17	30	390	66.61		WQ- 17:30 pH=7.01, T=14C	9/2/94	6	27	5487	1047	9.07
8/29/94	18	0	420	66.7	79	Cond=151uS, Fe=0.04mg/l	9/2/94	8	50	5630	1190	8.75
8/29/94	18	30	450	66.6			9/2/94	10	30	5730	1290	8.56
8/29/94	18	0	420	66.75			9/2/94	13	40	5920	1480	8.15
8/29/94	18	30	450	66.88			9/2/94	14	6	5946	1506	8.14
8/29/94	20	0	540	67			9/2/94	16	25	6085	1645	7.94
8/29/94	21	0	600	67.1	80		9/2/94	19	54	6294	1854	7.76
8/29/94	22	0	660	67.3			9/3/94	0	12	6552	2112	7.45
8/29/94	23	0	720	67.63			9/3/94	7	20	6980	2540	7.2
8/30/94	0	0	780	68			9/3/94	10	4	7144	2704	7.14
8/30/94	1	0	840	68.22	80		9/3/94	15	0	7440	3000	7
8/30/94	2	0	900	68.31			9/3/94	18	20	7640	3200	6.96
8/30/94	3	0	960	68.4			9/4/94	7	15	8415	3975	6.82
8/30/94	4	0	1020	68.47			9/4/94	15	34	8914	4474	6.79

PUMPING DATA							RECOVERY DATA					
	24 Hour Time		Cum. Time	Water Level	Discharge	Comments		24 Hour Time		Cum. Time	Cum. Time	Water Level
Date	Hour	Minute	(minutes)	(feet)	Q (GPM)		Date	Hour	Minute	t (minutes)	t' (minutes)	(feet)
8/30/94	5	0	1080	68.53			9/6/94	11	0	11520	7080	5.24
8/30/94	6	0	1140	68.78								
8/30/94	7	0	1200	68.8								
8/30/94	8	0	1260	68.81								
8/30/94	9	0	1320	68.42								
8/30/94	10	0	1380	68								
8/30/94	11	0	1440	68		WaterCheck collected @11:45						
8/30/94	12	0	1500	68	78	WQ- 11:30 pH=7.06, T=15C						
8/30/94	13	0	1560	67.85		Cond=152uS, Fe=<0.01mg/l						
8/30/94	14	0	1620	67.83		Mn=0.035-.04mg/l						
8/30/94	15	0	1680	67.7								
8/30/94	16	0	1740	68								
8/30/94	17	0	1800	68.2								
8/30/94	18	0	1860	68.35								
8/30/94	19	0	1920	68.45								
8/30/94	20	0	1980	68.5								
8/30/94	20	0	1980	68.61								
8/30/94	22	0	2100	68.86								
8/30/94	23	0	2160	68.65								
8/31/94	0	0	2220	68.72								
8/31/94	1	0	2280	68.8								
8/31/94	3	0	2400	69.08								
8/31/94	5	0	2520	69.36								
8/31/94	6	0	2580	69.4								
8/31/94	7	0	2640	69.48								
8/31/94	8	0	2700	69.54								
8/31/94	9	0	2760	69.82								
8/31/94	10	0	2820	69.07		WQ- 10:00 pH=6.74, T=15C						
8/31/94	11	0	2880	68.85		Cond=152uS, Fe=<0.01mg/l						
8/31/94	12	0	2940	68.81		Mn=0.047mg/l						
8/31/94	13	0	3000	68.75								
8/31/94	14	0	3060	68.52								
8/31/94	15	0	3120	68.5								
8/31/94	16	0	3180	68.75								
8/31/94	17	0	3240	68.8								
8/31/94	18	0	3300	68.92								
8/31/94	19	0	3360	69.1								
8/31/94	20	0	3420	69.28								
8/31/94	21	0	3480	69								
8/31/94	22	0	3540	68.95								
8/31/94	23	0	3600	69.08								
9/1/94	0	0	3660	69.22								
9/1/94	1	0	3720	69.35		Start Bacteria Sampling						
9/1/94	2	0	3780	69.48								
9/1/94	3	0	3840	69.61								
9/1/94	4	0	3900	69.72								
9/1/94	5	0	3960	70.02								
9/1/94	6	0	4020	70.14								
9/1/94	7	0	4080	70.18								
9/1/94	8	0	4140	70.12		End Bacteria Sampling						
9/1/94	9	0	4200	69.95		WQ- 10:00 pH=6.75, T=15C						
9/1/94	10	0	4260	70.2		Cond=158uS, Fe=<0.01mg/l						
9/1/94	11	0	4320	69.57		Mn=<0.025mg/l						
9/1/94	12	0	4380	69.47		WQ collected @ 12:15						
9/1/94	13	0	4440	69.58		Radon Vial #727567						

MONITORING WELL E-3

Emery & Garrett Groundwater, Inc.

PUMPING TEST DATA SHEET FOR MONITORING WELL E-3

PROJECT: New Baltimore, Virginia (WSA)
SUBCONTRACTOR: Valley Drilling
PUMPING WELL (S): E-1, E-6 & E-7

MONITORING WELL: E-3
STATIC WATER LEVEL: 5.87 feet
MAXIMUM DRAWDOWN: 4.89 feet
MEASURING POINT: Top of Casing

	Date	Hour	Minute
Start of Pumping:	8/29/94	13	0
Start of Recovery:	9/2/94	12	0

PUMPING DATA

Date	24 Hour Time		Cum. Time	Water Level	Comments
	Hour	Minute	(minutes)	(feet)	
8/29/94	10	5	-175	5.87	
8/29/94	13	12	12	5.92	
8/29/94	13	18	18	5.98	
8/29/94	13	25	25	5.93	
8/29/94	13	33	33	6.07	
8/29/94	13	38	38	5.97	
8/29/94	13	49	49	5.92	
8/29/94	14	8	68	5.89	
8/29/94	14	17	77	6	
8/29/94	14	32	92	5.96	
8/29/94	15	30	150	6.18	
8/29/94	15	47	167	6.13	
8/29/94	16	35	215	6.26	
8/29/94	17	42	282	6.5	
8/29/94	19	11	371	6.76	
8/29/94	19	50	410	7.12	
8/29/94	21	15	495	7.45	
8/29/94	23	30	630	7.77	
8/30/94	4	28	928	8.37	
8/30/94	7	33	1113	8.54	
8/30/94	10	23	1283	8.64	
8/30/94	13	52	1492	8.86	
8/30/94	16	11	1631	9.05	
8/30/94	18	0	1740	9.12	
8/30/94	21	27	1947	9.39	
8/30/94	23	19	2059	9.4	
8/31/94	5	41	2441	9.78	
8/31/94	10	40	2740	9.82	
8/31/94	13	36	2916	9.9	
8/31/94	17	8	3128	10.01	
8/31/94	20	10	3310	10.12	
9/1/94	6	41	3941	10.25	
9/1/94	10	50	4190	10.36	
9/1/94	13	40	4360	10.5	
9/1/94	16	15	4515	10.55	
9/1/94	19	48	4728	10.52	
9/2/94	6	5	5345	10.65	
9/2/94	10	28	5608	10.76	RECOVERY

RECOVERY DATA

Date	24 Hour Time		Cum. Time	Cum. Time	Water Level
	Hour	Minute	t (minutes)	t' (minutes)	(feet)
9/2/94	12	19	5719	19	10.73
9/2/94	12	36	5736	36	10.67
9/2/94	12	42	5742	42	10.67
9/2/94	12	51	5751	51	10.64
9/2/94	13	5	5765	65	10.54
9/2/94	13	35	5795	95	10.48
9/2/94	13	45	5805	105	10.46
9/2/94	13	55	5815	115	10.38
9/2/94	14	22	5842	142	10.19
9/2/94	15	5	5885	185	9.9
9/2/94	15	57	5937	237	9.75
9/2/94	16	59	5999	299	9.52
9/2/94	19	30	6150	450	9.13
9/2/94	21	45	6285	585	8.89
9/2/94	23	49	6409	709	8.7
9/3/94	6	58	6838	1138	8.36
9/3/94	9	34	6994	1294	8.31
9/3/94	12	4	7144	1444	8.11
9/3/94	14	54	7314	1614	8.06
9/3/94	17	52	7492	1792	7.87
9/4/94	6	50	8270	2570	7.53
9/4/94	9	16	8416	2716	7.66
9/4/94	15	14	8774	3074	7.42

MONITORING WELL E-4

Emery & Garrett Groundwater, Inc.

PUMPING TEST DATA SHEET FOR WELL E-4

PROJECT: New Baltimore, Virginia (WSA)
SUBCONTRACTOR: Valley Drilling
PUMPING WELL (S): E-1, E-6, & E-7

MONITORING WELL: E-4
STATIC WATER LEVEL:3.78 feet
MAXIMUM DRAWDOWN: 0.16 feet
MEASURING POINT: Top of Casing

	Date	Hour	Minute
Start of Pumping:	8/29/94	13	0
Start of Recovery:	9/2/94	12	0

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time		Cum. Time	Water Level	Comments	Date	24 Hour Time		Cum. Time	Cum. Time	Water Level
	Hour	Minute	(minutes)	(feet)			Hour	Minute	t (minutes)	t' (minutes)	(feet)
8/29/94	10	15	-165	3.78	Static WL	9/2/94	19	16	6136	436	3.66
8/29/94	14	0	60	3.8		9/3/94	9	23	6983	1283	3.99
8/29/94	15	20	140	3.82		9/4/94	9	20	8420	2720	4.06
8/29/94	21	15	495	3.82							
8/30/94	4	57	957	3.85							
8/30/94	9	30	1230	3.85							
8/30/94	13	45	1485	3.85							
8/30/94	16	17	1637	3.89							
8/30/94	20	6	1866	3.91							
8/31/94	8	50	2630	3.9							
8/31/94	13	31	2911	3.9							
8/31/94	20	0	3300	3.94							
9/1/94	6	34	3934	3.81							
9/1/94	10	40	4180	3.84							
9/1/94	13	25	4345	3.86							
9/1/94	16	35	4535	3.87							
9/2/94	8	40	5500	3.93							
9/2/94	10	10	5590	3.94	RECOVERY						

BOOTH DOMESTIC WELL

Emery & Garrett Groundwater, Inc.

PUMPING TEST DATA SHEET FOR BOOTH DOMESTIC WELL

PROJECT: New Baltimore, Virginia
SUBCONTRACTOR: Valley Drilling
PUMPING WELL (S): E-1, E-6, E-7

MONITORING WELL:Booth Well
STATIC WATER LEVEL:NA
MAXIMUM DRAWDOWN:NA
MEASURING POINT: NA

	Date	Hour	Minute
Start of Pumping:	8/29/94	13	0
Start of Recovery:	9/2/94	12	0

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time	Geokon Cum.	Test Cum.	Drawdown	Geokon	Date	24 Hour Time	Geokon Cum	Test Cum.	Drawdown	Geokon
	Hour/Min.	Time (min.)	Time (min.)	(feet)	Reading		Hour/Min.	Time (min.)	Time (min.)	(feet)	Reading
8/24/94	1100	0	-7320	0.00	2.93	9/2/94	1200	13020	5700	-0.83	2.58
8/24/94	1200	60	-7260	0.00	2.93	9/2/94	1300	13080	5760	-0.86	2.56
8/24/94	1300	120	-7200	-0.01	2.93	9/2/94	1400	13140	5820	-0.86	2.56
8/24/94	1400	180	-7140	-0.03	2.92	9/2/94	1500	13200	5880	-0.88	2.55
8/24/94	1500	240	-7080	-0.04	2.92	9/2/94	1600	13260	5940	-0.89	2.55
8/24/94	1600	300	-7020	-0.06	2.91	9/2/94	1700	13320	6000	-0.90	2.54
8/24/94	1700	360	-6960	-0.08	2.90	9/2/94	1800	13380	6060	-0.90	2.54
8/24/94	1800	420	-6900	-0.07	2.91	9/2/94	1900	13440	6120	-0.91	2.54
8/24/94	1900	480	-6840	-0.09	2.90	9/2/94	2000	13500	6180	-0.88	2.55
8/24/94	2000	540	-6780	-0.08	2.90	9/2/94	2100	13560	6240	-0.85	2.57
8/24/94	2100	600	-6720	-0.09	2.90	9/2/94	2200	13620	6300	-0.85	2.57
8/24/94	2200	660	-6660	-0.07	2.90	9/2/94	2300	13680	6360	-0.84	2.57
8/24/94	2300	720	-6600	-0.07	2.90	9/3/94	0	13740	6420	-0.83	2.57
8/25/94	0	780	-6540	-0.08	2.90	9/3/94	100	13800	6480	-0.84	2.57
8/25/94	100	840	-6480	-0.08	2.90	9/3/94	200	13860	6540	-0.84	2.57
8/25/94	200	900	-6420	-0.09	2.90	9/3/94	300	13920	6600	-0.84	2.57
8/25/94	300	960	-6360	-0.10	2.89	9/3/94	400	13980	6660	-0.84	2.57
8/25/94	400	1020	-6300	-0.09	2.89	9/3/94	500	14040	6720	-0.84	2.57
8/25/94	500	1080	-6240	-0.11	2.89	9/3/94	600	14100	6780	-0.85	2.57
8/25/94	600	1140	-6180	-0.12	2.88	9/3/94	700	14160	6840	-0.84	2.57
8/25/94	700	1200	-6120	-0.12	2.88	9/3/94	800	14220	6900	-0.87	2.56
8/25/94	800	1260	-6060	-0.12	2.88	9/3/94	900	14280	6960	-0.82	2.58
8/25/94	900	1320	-6000	-0.12	2.88	9/3/94	1000	14340	7020	-0.83	2.57
8/25/94	1000	1380	-5940	-0.12	2.88	9/3/94	1100	14400	7080	-0.82	2.58
8/25/94	1100	1440	-5880	-0.16	2.86	9/3/94	1200	14460	7140	-0.83	2.58
8/25/94	1200	1500	-5820	-0.18	2.86	9/3/94	1300	14520	7200	-0.83	2.58
8/25/94	1300	1560	-5760	-0.17	2.86	9/3/94	1400	14580	7260	-0.85	2.57
8/25/94	1400	1620	-5700	-0.20	2.85	9/3/94	1500	14640	7320	-0.85	2.57
8/25/94	1500	1680	-5640	-0.22	2.84	9/3/94	1600	14700	7380	-0.87	2.56
8/25/94	1600	1740	-5580	-0.23	2.84	9/3/94	1700	14760	7440	-0.87	2.56
8/25/94	1700	1800	-5520	-0.25	2.83	9/3/94	1800	14820	7500	-0.88	2.55
8/25/94	1800	1860	-5460	-0.27	2.82	9/3/94	1900	14880	7560	-0.87	2.56
8/25/94	1900	1920	-5400	-0.30	2.81	9/3/94	2000	14940	7620	-0.86	2.56
8/25/94	2000	1980	-5340	-0.29	2.81	9/3/94	2100	15000	7680	-0.84	2.57
8/25/94	2100	2040	-5280	-0.30	2.80	9/3/94	2200	15060	7740	-0.85	2.57
8/25/94	2200	2100	-5220	-0.27	2.82	9/3/94	2300	15120	7800	-0.85	2.57
8/25/94	2300	2160	-5160	-0.29	2.81	9/4/94	0	15180	7860	-0.84	2.57
8/26/94	0	2220	-5100	-0.28	2.81	9/4/94	100	15240	7920	-0.85	2.57
8/26/94	100	2280	-5040	-0.28	2.81	9/4/94	200	15300	7980	-0.85	2.57
8/26/94	200	2340	-4980	-0.30	2.80	9/4/94	300	15360	8040	-0.87	2.56
8/26/94	300	2400	-4920	-0.28	2.81	9/4/94	400	15420	8100	-0.87	2.56
8/26/94	400	2460	-4860	-0.32	2.80	9/4/94	500	15480	8160	-0.88	2.55
8/26/94	500	2520	-4800	-0.31	2.80	9/4/94	600	15540	8220	-0.87	2.56
8/26/94	600	2580	-4740	-0.31	2.80	9/4/94	700	15600	8280	-0.86	2.56
8/26/94	700	2640	-4680	-0.29	2.81	9/4/94	800	15660	8340	-0.83	2.57
8/26/94	800	2700	-4620	-0.28	2.81	9/4/94	900	15720	8400	-0.84	2.57
8/26/94	900	2760	-4560	-0.29	2.81	9/4/94	1000	15780	8460	-0.83	2.57
8/26/94	1000	2820	-4500	-0.31	2.80	9/4/94	1100	15840	8520	-0.83	2.58
8/26/94	1100	2880	-4440	-0.34	2.79	9/4/94	1200	15900	8580	-0.82	2.58
8/26/94	1200	2940	-4380	-0.36	2.78	9/4/94	1300	15960	8640	-0.85	2.57
8/26/94	1300	3000	-4320	-0.34	2.79	9/4/94	1400	16020	8700	-0.87	2.56
8/26/94	1400	3060	-4260	-0.35	2.78	9/4/94	1500	16080	8760	-0.88	2.55
8/26/94	1500	3120	-4200	-0.36	2.78	9/4/94	1600	16140	8820	-0.88	2.55
8/26/94	1600	3180	-4140	-0.39	2.77	9/4/94	1700	16200	8880	-0.89	2.55
8/26/94	1700	3240	-4080	-0.39	2.77	9/4/94	1800	16260	8940	-0.88	2.55
8/26/94	1800	3300	-4020	-0.39	2.77	9/4/94	1900	16320	9000	-0.91	2.54
8/26/94	1900	3360	-3960	-0.37	2.77	9/4/94	2000	16380	9060	-0.89	2.55
8/26/94	2000	3420	-3900	-0.38	2.77	9/4/94	2100	16440	9120	-0.89	2.55
8/26/94	2100	3480	-3840	-0.38	2.77	9/4/94	2200	16500	9180	-0.89	2.55
8/26/94	2200	3540	-3780	-0.38	2.77	9/4/94	2300	16560	9240	-0.88	2.55
8/26/94	2300	3600	-3720	-0.38	2.77	9/5/94	0	16620	9300	-0.90	2.55
8/27/94	0	3660	-3660	-0.39	2.77	9/5/94	100	16680	9360	-0.91	2.54
8/27/94	100	3720	-3600	-0.39	2.76	9/5/94	200	16740	9420	-0.92	2.54
8/27/94	200	3780	-3540	-0.40	2.76	9/5/94	300	16800	9480	-0.94	2.53
8/27/94	300	3840	-3480	-0.40	2.76	9/5/94	400	16860	9540	-0.95	2.52
8/27/94	400	3900	-3420	-0.40	2.76	9/5/94	500	16920	9600	-0.92	2.54
8/27/94	500	3960	-3360	-0.41	2.76	9/5/94	600	16980	9660	-0.92	2.54
8/27/94	600	4020	-3300	-0.39	2.76	9/5/94	700	17040	9720	-0.90	2.54
8/27/94	700	4080	-3240	-0.45	2.74	9/5/94	800	17100	9780	-0.92	2.54
8/27/94	800	4140	-3180	-0.41	2.76	9/5/94	900	17160	9840	-0.93	2.53
8/27/94	900	4200	-3120	-0.44	2.74	9/5/94	1000	17220	9900	-0.96	2.52
8/27/94	1000	4260	-3060	-0.42	2.75	9/5/94	1100	17280	9960	-0.93	2.53
8/27/94	1100	4320	-3000	-0.42	2.75	9/5/94	1200	17340	10020	-0.95	2.52
8/27/94	1200	4380	-2940	-0.42	2.75	9/5/94	1300	17400	10080	-0.98	2.51
8/27/94	1300	4440	-2880	-0.42	2.75	9/5/94	1400	17460	10140	-1.00	2.50
8/27/94	1400	4500	-2820	-0.44	2.74	9/5/94	1500	17520	10200	-1.02	2.49
8/27/94	1500	4560	-2760	-0.45	2.74	9/5/94	1600	17580	10260	-1.04	2.49
8/27/94	1600	4620	-2700	-0.45	2.74	9/5/94	1700	17640	10320	-1.06	2.48
8/27/94	1700	4680	-2640	-0.48	2.73	9/5/94	1800	17700	10380	-1.06	2.48
8/27/94	1800	4740	-2580	-0.48	2.73	9/5/94	1900	17760	10440	-1.06	2.48
8/27/94	1900	4800	-2520	-0.48	2.73	9/5/94	2000	17820	10500	-1.06	2.47
8/27/94	2000	4860	-2460	-0.49	2.72	9/5/94	2100	17880	10560	-1.07	2.47
8/27/94	2100	4920	-2400	-0.52	2.71	9/5/94	2200	17940	10620	-1.06	2.47
8/27/94	2200	4980	-2340	-0.46	2.74	9/5/94	2300	18000	10680	-1.07	2.47
8/27/94	2300	5040	-2280	-0.44	2.75	9/6/94	0	18060	10740	-1.09	2.46
8/28/94	0	5100	-2220	-0.47	2.73	9/6/94	100	18120	10800	-1.10	2.46
8/28/94	100	5160	-2160	-0.47	2.73	9/6/94	200	18180	10860	-1.12	2.45
8/28/94	200	5220	-2100	-0.47	2.73	9/6/94	300	18240	10920	-1.12	2.45
8/28/94	300	5280	-2040	-0.50	2.72	9/6/94	400	18300	10980	-1.14	2.44
8/28/94	400	5340	-1980	-0.49	2.72	9/6/94	500	18360	11040	-1.14	2.44
8/28/94	500	5400	-1920	-0.49	2.72	9/6/94	600	18420	11100	-1.15	2.44
8/28/94	600	5460	-1860	-0.55	2.70	9/6/94	700	18480	11160	-1.14	2.44
8/28/94	700	5520	-1800	-0.54	2.70	9/6/94	800	18540	11220	-1.18	2.42

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
8/28/94	800	5580	-1740	-0.48	2.73	9/6/94	900	18600	11280	-1.14	2.44
8/28/94	900	5640	-1680	-0.50	2.72	9/6/94	1000	18660	11340	-1.13	2.45
8/28/94	1000	5700	-1620	-0.51	2.71	9/6/94	1100	18720	11400	-1.14	2.44
8/28/94	1100	5760	-1560	-0.50	2.72	9/6/94	1200	18780	11460	-1.14	2.44
8/28/94	1200	5820	-1500	-0.51	2.71	9/6/94	1300	18840	11520	-1.14	2.44
8/28/94	1300	5880	-1440	-0.52	2.71	9/6/94	1400	18900	11580	-1.16	2.43
8/28/94	1400	5940	-1380	-0.56	2.69	9/6/94	1500	18960	11640	-1.16	2.43
8/28/94	1500	6000	-1320	-0.58	2.68	9/6/94	1600	19020	11700	-1.19	2.42
8/28/94	1600	6060	-1260	-0.61	2.67	9/6/94	1700	19080	11760	-1.19	2.42
8/28/94	1700	6120	-1200	-0.64	2.66	9/6/94	1800	19140	11820	-1.21	2.41
8/28/94	1800	6180	-1140	-0.64	2.66	9/6/94	1900	19200	11880	-1.20	2.41
8/28/94	1900	6240	-1080	-0.67	2.65	9/6/94	2000	19260	11940	-1.20	2.42
8/28/94	2000	6300	-1020	-0.65	2.65	9/6/94	2100	19320	12000	-1.17	2.43
8/28/94	2100	6360	-960	-0.64	2.66	9/6/94	2200	19380	12060	-1.16	2.43
8/28/94	2200	6420	-900	-0.65	2.65	9/6/94	2300	19440	12120	-1.16	2.43
8/28/94	2300	6480	-840	-0.65	2.65	9/7/94	0	19500	12180	-1.16	2.43
8/29/94	0	6540	-780	-0.68	2.64	9/7/94	100	19560	12240	-1.16	2.43
8/29/94	100	6600	-720	-0.67	2.64	9/7/94	200	19620	12300	-1.16	2.43
8/29/94	200	6660	-660	-0.69	2.64	9/7/94	300	19680	12360	-1.16	2.43
8/29/94	300	6720	-600	-0.70	2.63	9/7/94	400	19740	12420	-1.17	2.43
8/29/94	400	6780	-540	-0.71	2.63	9/7/94	500	19800	12480	-1.17	2.43
8/29/94	500	6840	-480	-0.72	2.62	9/7/94	600	19860	12540	-1.15	2.44
8/29/94	600	6900	-420	-0.73	2.62	9/7/94	700	19920	12600	-1.13	2.44
8/29/94	700	6960	-360	-0.71	2.63	9/7/94	800	19980	12660	-1.14	2.44
8/29/94	800	7020	-300	-0.72	2.62	9/7/94	900	20040	12720	-1.15	2.44
8/29/94	900	7080	-240	-0.71	2.63	9/7/94	1000	20100	12780	-1.13	2.45
8/29/94	1000	7140	-180	-0.73	2.62	9/7/94	1100	20160	12840	-1.14	2.44
8/29/94	1100	7200	-120	-0.72	2.62	9/7/94	1200	20220	12900	-1.13	2.44
8/29/94	1200	7260	-60	-0.71	2.63	9/7/94	1300	20280	12960	-1.13	2.45
8/29/94	1300	7320	0	-0.70	2.63	9/7/94	1400	20340	13020	-1.15	2.44
8/29/94	1400	7380	60	-0.65	2.65	9/7/94	1500	20400	13080	-1.15	2.44
8/29/94	1500	7440	120	-0.67	2.64	9/7/94	1600	20460	13140	-1.15	2.44
8/29/94	1600	7500	180	-0.69	2.63	9/7/94	1700	20520	13200	-1.14	2.44
8/29/94	1700	7560	240	-0.75	2.61	9/7/94	1800	20580	13260	-1.14	2.44
8/29/94	1800	7620	300	-0.85	2.57	9/7/94	1900	20640	13320	-1.13	2.45
8/29/94	1900	7680	360	-0.88	2.55	9/7/94	2000	20700	13380	-1.11	2.46
8/29/94	2000	7740	420	-0.90	2.54	9/7/94	2100	20760	13440	-1.08	2.47
8/29/94	2100	7800	480	-0.89	2.55	9/7/94	2200	20820	13500	-1.05	2.48
8/29/94	2200	7860	540	-0.72	2.62	9/7/94	2300	20880	13560	-1.05	2.48
8/29/94	2300	7920	600	-0.67	2.65	9/8/94	0	20940	13620	-1.04	2.48
8/30/94	0	7980	660	-0.65	2.65	9/8/94	100	21000	13680	-1.03	2.49
8/30/94	100	8040	720	-0.64	2.66	9/8/94	200	21060	13740	-1.03	2.49
8/30/94	200	8100	780	-0.65	2.65	9/8/94	300	21120	13800	-1.04	2.48
8/30/94	300	8160	840	-0.64	2.66	9/8/94	400	21180	13860	-1.02	2.49
8/30/94	400	8220	900	-0.63	2.66	9/8/94	500	21240	13920	-1.03	2.49
8/30/94	500	8280	960	-0.63	2.66	9/8/94	600	21300	13980	-1.03	2.49
8/30/94	600	8340	1020	-0.60	2.67	9/8/94	700	21360	14040	-1.01	2.50
8/30/94	700	8400	1080	-0.59	2.68	9/8/94	800	21420	14100	-1.01	2.50
8/30/94	800	8460	1140	-0.67	2.65	9/8/94	900	21480	14160	-0.99	2.51
8/30/94	900	8520	1200	-0.60	2.68	9/8/94	1000	21540	14220	-1.01	2.50
8/30/94	1000	8580	1260	-0.57	2.69	9/8/94	1100	21600	14280	-0.99	2.51
8/30/94	1100	8640	1320	-0.57	2.69	9/8/94	1200	21660	14340	-1.00	2.50
8/30/94	1200	8700	1380	-0.57	2.69	9/8/94	1300	21720	14400	-1.02	2.49
8/30/94	1300	8760	1440	-0.59	2.68	9/8/94	1400	21780	14460	-1.04	2.49
8/30/94	1400	8820	1500	-0.61	2.67	9/8/94	1500	21840	14520	-1.05	2.48
8/30/94	1500	8880	1560	-0.63	2.66	9/8/94	1600	21900	14580	-1.05	2.48
8/30/94	1600	8940	1620	-0.63	2.66	9/8/94	1700	21960	14640	-1.10	2.46
8/30/94	1700	9000	1680	-0.64	2.66	9/8/94	1800	22020	14700	-1.08	2.47
8/30/94	1800	9060	1740	-0.64	2.66	9/8/94	1900	22080	14760	-1.08	2.47
8/30/94	1900	9120	1800	-0.66	2.65	9/8/94	2000	22140	14820	-1.09	2.46
8/30/94	2000	9180	1860	-0.67	2.65	9/8/94	2100	22200	14880	-1.07	2.47
8/30/94	2100	9240	1920	-0.66	2.65	9/8/94	2200	22260	14940	-1.05	2.48
8/30/94	2200	9300	1980	-0.66	2.65	9/8/94	2300	22320	15000	-1.05	2.48
8/30/94	2300	9360	2040	-0.65	2.65	9/9/94	0	22380	15060	-1.05	2.48
8/31/94	0	9420	2100	-0.69	2.64	9/9/94	100	22440	15120	-1.06	2.48
8/31/94	100	9480	2160	-0.68	2.64	9/9/94	200	22500	15180	-1.08	2.47
8/31/94	200	9540	2220	-0.70	2.63	9/9/94	300	22560	15240	-1.09	2.46
8/31/94	300	9600	2280	-0.72	2.62	9/9/94	400	22620	15300	-1.09	2.46
8/31/94	400	9660	2340	-0.74	2.62	9/9/94	500	22680	15360	-1.09	2.46
8/31/94	500	9720	2400	-0.76	2.60	9/9/94	600	22740	15420	-1.10	2.46
8/31/94	600	9780	2460	-0.77	2.60	9/9/94	700	22800	15480	-1.08	2.47
8/31/94	700	9840	2520	-0.77	2.60	9/9/94	800	22860	15540	-1.11	2.45
8/31/94	800	9900	2580	-0.78	2.60	9/9/94	900	22920	15600	-1.09	2.46
8/31/94	900	9960	2640	-0.80	2.59	9/9/94	1000	22980	15660	-1.08	2.47
8/31/94	1000	10020	2700	-0.82	2.58	9/9/94	1100	23040	15720	-1.08	2.47
8/31/94	1100	10080	2760	-0.83	2.57	9/9/94	1200	23100	15780	-1.08	2.47
8/31/94	1200	10140	2820	-0.83	2.58	9/9/94	1300	23160	15840	-1.08	2.47
8/31/94	1300	10200	2880	-0.85	2.57	9/9/94	1400	23220	15900	-1.09	2.46
8/31/94	1400	10260	2940	-0.85	2.57	9/9/94	1500	23280	15960	-1.12	2.45
8/31/94	1500	10320	3000	-0.89	2.55	9/9/94	1600	23340	16020	-1.13	2.45
8/31/94	1600	10380	3060	-0.92	2.54	9/9/94	1700	23400	16080	-1.14	2.44
8/31/94	1700	10440	3120	-0.94	2.53	9/9/94	1800	23460	16140	-1.14	2.44
8/31/94	1800	10500	3180	-0.95	2.52	9/9/94	1900	23520	16200	-1.15	2.44
8/31/94	1900	10560	3240	-0.93	2.53	9/9/94	2000	23580	16260	-1.16	2.43
8/31/94	2000	10620	3300	-0.91	2.54	9/9/94	2100	23640	16320	-1.13	2.45
8/31/94	2100	10680	3360	-0.93	2.53	9/9/94	2200	23700	16380	-1.12	2.45
8/31/94	2200	10740	3420	-0.94	2.53	9/9/94	2300	23760	16440	-1.12	2.45
8/31/94	2300	10800	3480	-0.96	2.52	9/10/94	0	23820	16500	-1.09	2.46
9/1/94	0	10860	3540	-0.98	2.51	9/10/94	100	23880	16560	-1.10	2.46
9/1/94	100	10920	3600	-0.98	2.51	9/10/94	200	23940	16620	-1.09	2.46
9/1/94	200	10980	3660	-0.98	2.51	9/10/94	300	24000	16680	-1.08	2.47
9/1/94	300	11040	3720	-0.97	2.52	9/10/94	400	24060	16740	-1.08	2.47
9/1/94	400	11100	3780	-0.98	2.51	9/10/94	500	24120	16800	-1.07	2.47
9/1/94	500	11160	3840	-0.98	2.51	9/10/94	600	24180	16860	-1.06	2.48
9/1/94	600	11220	3900	-0.95	2.52	9/10/94	700	24240	16920	-1.04	2.48
9/1/94	700	11280	3960	-0.92	2.54	9/10/94	800	24300	16980	-1.06	2.48
9/1/94	800	11340	4020	-0.95	2.52	9/10/94	900	24360	17040	-1.04	2.48
9/1/94	900	11400	4080	-0.89	2.55	9/10/94	1000	24420	17100	-1.04	2.49
9/1/94	1000	11460	4140	-0.87	2.56	9/10/94	1100	24480	17160	-1.03	2.50
9/1/94	1100	11520	4200	-0.87	2.56	9/10/94	1200	24540	17220	-1.02	2.49
9/1/94	1200	11580	4260	-0.87	2.56	9/10/94	1300	24600	17280	-1.04	2.49
9/1/94	1300	11640	4320	-0.85	2.57	9/10/94	1400	24660	17340	-1.03	2.49
9/1/94	1400	11700	4380	-0.88	2.55	9/10/94	1500	24720	17400	-1.06	2.48
9/1/94	1500	11760	4440	-0.88	2.55	9/10/94	1600	24780	17460	-1.09	2.46
9/1/94	1600	11820	4500	-0.90	2.54	9/10/94	1700	24840	17520	-1.08	2.47

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
9/1/94	1700	11880	4560	-0.90	2.54	9/10/94	1800	24900	17580	-1.10	2.46
9/1/94	1800	11940	4620	-0.90	2.55	9/10/94	1900	24960	17640	-1.09	2.46
9/1/94	1900	12000	4680	-0.90	2.54	9/10/94	2000	25020	17700	-1.06	2.48
9/1/94	2000	12060	4740	-0.90	2.55	9/10/94	2100	25080	17760	-1.06	2.48
9/1/94	2100	12120	4800	-0.89	2.55	9/10/94	2200	25140	17820	-1.04	2.48
9/1/94	2200	12180	4860	-0.86	2.56	9/10/94	2300	25200	17880	-1.03	2.49
9/1/94	2300	12240	4920	-0.89	2.55	9/11/94	0	25260	17940	-1.00	2.50
9/2/94	0	12300	4980	-0.88	2.55	9/11/94	100	25320	18000	-1.02	2.49
9/2/94	100	12360	5040	-0.87	2.56	9/11/94	200	25380	18060	-1.01	2.50
9/2/94	200	12420	5100	-0.86	2.56	9/11/94	300	25440	18120	-1.01	2.50
9/2/94	300	12480	5160	-0.84	2.57	9/11/94	400	25500	18180	-1.00	2.50
9/2/94	400	12540	5220	-0.87	2.56	9/11/94	500	25560	18240	-1.00	2.50
9/2/94	500	12600	5280	-0.85	2.57	9/11/94	600	25620	18300	-0.97	2.51
9/2/94	600	12660	5340	-0.84	2.57	9/11/94	700	25680	18360	-0.97	2.51
9/2/94	700	12720	5400	-0.86	2.56	9/11/94	800	25740	18420	-0.94	2.53
9/2/94	800	12780	5460	-0.84	2.57	9/11/94	900	25800	18480	-0.98	2.51
9/2/94	900	12840	5520	-0.84	2.57	9/11/94	1000	25860	18540	-0.94	2.53
9/2/94	1000	12900	5580	-0.83	2.57	9/11/94	1100	25920	18600	-0.93	2.53
9/2/94	1100	12960	5640	-0.83	2.57	9/11/94	1200	25980	18660	-0.94	2.53
						9/11/94	1300	26040	18720	-0.97	2.51
						9/11/94	1400	26100	18780	-0.98	2.51
						9/11/94	1500	26160	18840	-1.00	2.50
						9/11/94	1600	26220	18900	-1.00	2.50
						9/11/94	1700	26280	18960	-1.02	2.49
						9/11/94	1800	26340	19020	-1.02	2.49
						9/11/94	1900	26400	19080	-1.02	2.49
						9/11/94	2000	26460	19140	-1.00	2.50
						9/11/94	2100	26520	19200	-1.00	2.50
						9/11/94	2200	26580	19260	-0.98	2.51
						9/11/94	2300	26640	19320	-0.96	2.52
						9/12/94	0	26700	19380	-0.95	2.52
						9/12/94	100	26760	19440	-0.97	2.52
						9/12/94	200	26820	19500	-0.95	2.52
						9/12/94	300	26880	19560	-0.96	2.52
						9/12/94	400	26940	19620	-0.94	2.53
						9/12/94	500	27000	19680	-0.96	2.52
						9/12/94	600	27060	19740	-0.93	2.53
						9/12/94	700	27120	19800	-0.95	2.52
						9/12/94	800	27180	19860	-0.91	2.54
						9/12/94	900	27240	19920	-0.88	2.55
						9/12/94	1000	27300	19980	-0.89	2.55
						9/12/94	1100	27360	20040	-0.91	2.54
						9/12/94	1200	27420	20100	-0.92	2.54

B. SEMPLE DOMESTIC WELL

PUMPING TEST DATA SHEET FOR B. SEMPLE WELL

PROJECT: New Baltimore, Virginia
SUBCONTRACTOR: Valley Drilling
PUMPING WELL (S): E-1, E-6, E-7

MONITORING WELL: B. Semple Well
STATIC WATER LEVEL: NA
MAXIMUM DRAWDOWN:NA
MEASURING POINT:NA

	Date	Hour	Minute
Start of Pumping:	8/29/94	13	0
Start of Recovery:	9/2/94	12	0

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
8/26/94	1400	0	-4260	0	72.9	9/2/94	1200	9960	5700	0.5	73.4
8/26/94	1430	30	-4230	0.2	73.1	9/2/94	1230	9990	5730	0.5	73.4
8/26/94	1500	60	-4200	0.3	73.2	9/2/94	1300	10020	5760	0.5	73.4
8/26/94	1530	90	-4170	0.4	73.3	9/2/94	1330	10050	5790	0.5	73.4
8/26/94	1600	120	-4140	0.4	73.3	9/2/94	1400	10080	5820	0.6	73.5
8/26/94	1630	150	-4110	0.4	73.3	9/2/94	1430	10110	5850	0.6	73.5
8/26/94	1700	180	-4080	0.5	73.4	9/2/94	1500	10140	5880	0.6	73.5
8/26/94	1730	210	-4050	0.5	73.4	9/2/94	1530	10170	5910	0.6	73.5
8/26/94	1800	240	-4020	0.5	73.4	9/2/94	1600	10200	5940	0.5	73.4
8/26/94	1830	270	-3990	0.5	73.4	9/2/94	1630	10230	5970	0.5	73.4
8/26/94	1900	300	-3960	-3.41	69.49	9/2/94	1700	10260	6000	0.5	73.4
8/26/94	1930	330	-3930	-0.5	72.4	9/2/94	1730	10290	6030	0.5	73.4
8/26/94	2000	360	-3900	0.1	73	9/2/94	1800	10320	6060	0.5	73.4
8/26/94	2030	390	-3870	0.3	73.2	9/2/94	1830	10350	6090	0.5	73.4
8/26/94	2100	420	-3840	0.4	73.3	9/2/94	1900	10380	6120	0.5	73.4
8/26/94	2130	450	-3810	0.4	73.3	9/2/94	1930	10410	6150	0.5	73.4
8/26/94	2200	480	-3780	0.4	73.3	9/2/94	2000	10440	6180	0.5	73.4
8/26/94	2230	510	-3750	0.5	73.4	9/2/94	2030	10470	6210	0.5	73.4
8/26/94	2300	540	-3720	0.5	73.4	9/2/94	2100	10500	6240	0.5	73.4
8/26/94	2330	570	-3690	0.5	73.4	9/2/94	2130	10530	6270	0.5	73.4
8/27/94	0	600	-3660	0.5	73.4	9/2/94	2200	10560	6300	0.5	73.4
8/27/94	30	630	-3630	0.5	73.4	9/2/94	2230	10590	6330	0.5	73.4
8/27/94	100	660	-3600	0.5	73.4	9/2/94	2300	10620	6360	0.5	73.4
8/27/94	130	690	-3570	0.5	73.4	9/2/94	2330	10650	6390	0.5	73.4
8/27/94	200	720	-3540	-5.79	67.11	9/3/94	0	10680	6420	0.5	73.4
8/27/94	230	750	-3510	-0.1	72.8	9/3/94	30	10710	6450	0.5	73.4
8/27/94	300	780	-3480	0.2	73.1	9/3/94	100	10740	6480	0.5	73.4
8/27/94	330	810	-3450	0.3	73.2	9/3/94	130	10770	6510	0.5	73.4
8/27/94	400	840	-3420	0.4	73.3	9/3/94	200	10800	6540	0.5	73.4
8/27/94	430	870	-3390	0.4	73.3	9/3/94	230	10830	6570	0.5	73.4
8/27/94	500	900	-3360	0.4	73.3	9/3/94	300	10860	6600	0.5	73.4
8/27/94	530	930	-3330	0.4	73.3	9/3/94	330	10890	6630	0.5	73.4
8/27/94	600	960	-3300	0.5	73.4	9/3/94	400	10920	6660	0.5	73.4
8/27/94	630	990	-3270	0.5	73.4	9/3/94	430	10950	6690	0.5	73.4
8/27/94	700	1020	-3240	-0.4	72.5	9/3/94	500	10980	6720	0.5	73.4
8/27/94	730	1050	-3210	-0.2	72.7	9/3/94	530	11010	6750	0.5	73.4
8/27/94	800	1080	-3180	-0.3	72.6	9/3/94	600	11040	6780	0.5	73.4
8/27/94	830	1110	-3150	-0.2	72.7	9/3/94	630	11070	6810	0.5	73.4
8/27/94	900	1140	-3120	0.4	73.3	9/3/94	700	11100	6840	0.5	73.4
8/27/94	930	1170	-3090	0.4	73.3	9/3/94	730	11130	6870	0.5	73.4
8/27/94	1000	1200	-3060	0.4	73.3	9/3/94	800	11160	6900	0.5	73.4
8/27/94	1030	1230	-3030	0.5	73.4	9/3/94	830	11190	6930	0.5	73.4
8/27/94	1100	1260	-3000	0.5	73.4	9/3/94	900	11220	6960	0.5	73.4
8/27/94	1130	1290	-2970	0.5	73.4	9/3/94	930	11250	6990	0.5	73.4
8/27/94	1200	1320	-2940	0.5	73.4	9/3/94	1000	11280	7020	-0.2	72.7
8/27/94	1230	1350	-2910	0.5	73.4	9/3/94	1030	11310	7050	0.2	73.1
8/27/94	1300	1380	-2880	-2.8	70.1	9/3/94	1100	11340	7080	0.4	73.3
8/27/94	1330	1410	-2850	0.1	73	9/3/94	1130	11370	7110	0.4	73.3
8/27/94	1400	1440	-2820	0.3	73.2	9/3/94	1200	11400	7140	0.4	73.3
8/27/94	1430	1470	-2790	-5.55	67.35	9/3/94	1230	11430	7170	0.5	73.4
8/27/94	1500	1500	-2760	-0.3	72.6	9/3/94	1300	11460	7200	0.5	73.4
8/27/94	1530	1530	-2730	0.1	73	9/3/94	1330	11490	7230	0.5	73.4
8/27/94	1600	1560	-2700	0.2	73.1	9/3/94	1400	11520	7260	0.5	73.4
8/27/94	1630	1590	-2670	0.3	73.2	9/3/94	1430	11550	7290	0.5	73.4
8/27/94	1700	1620	-2640	0.3	73.2	9/3/94	1500	11580	7320	0.5	73.4
8/27/94	1730	1650	-2610	0.5	72.4	9/3/94	1530	11610	7350	0.5	73.4
8/27/94	1800	1680	-2580	-8.22	64.68	9/3/94	1600	11640	7380	-0.3	72.6
8/27/94	1830	1710	-2550	-0.5	72.4	9/3/94	1630	11670	7410	-0.2	72.7
8/27/94	1900	1740	-2520	-0.1	72.8	9/3/94	1700	11700	7440	-0.3	72.6
8/27/94	1930	1770	-2490	0.1	73	9/3/94	1730	11730	7470	-0.3	72.6
8/27/94	2000	1800	-2460	0.2	73.1	9/3/94	1800	11760	7500	0.4	73.3
8/27/94	2030	1830	-2430	0.3	73.2	9/3/94	1830	11790	7530	0.4	73.3
8/27/94	2100	1860	-2400	0.3	73.2	9/3/94	1900	11820	7560	0.4	73.3
8/27/94	2130	1890	-2370	-0.4	72.5	9/3/94	1930	11850	7590	0.5	73.4
8/27/94	2200	1920	-2340	0.1	73	9/3/94	2000	11880	7620	0.5	73.4
8/27/94	2230	1950	-2310	0.2	73.1	9/3/94	2030	11910	7650	0.5	73.4
8/27/94	2300	1980	-2280	0.3	73.2	9/3/94	2100	11940	7680	0.5	73.4
8/27/94	2330	2010	-2250	0.3	73.2	9/3/94	2130	11970	7710	0.5	73.4
8/28/94	0	2040	-2220	0.3	73.2	9/3/94	2200	12000	7740	0.5	73.4
8/28/94	30	2070	-2190	0.4	73.3	9/3/94	2230	12030	7770	0.5	73.4
8/28/94	100	2100	-2160	0.4	73.3	9/3/94	2300	12060	7800	0.5	73.4
8/28/94	130	2130	-2130	0.4	73.3	9/3/94	2330	12090	7830	0.5	73.4
8/28/94	200	2160	-2100	-8.62	64.28	9/4/94	0	12120	7860	0.5	73.4
8/28/94	230	2190	-2070	-0.3	72.6	9/4/94	30	12150	7890	0.5	73.4
8/28/94	300	2220	-2040	0.1	73	9/4/94	100	12180	7920	0.5	73.4
8/28/94	330	2250	-2010	0.2	73.1	9/4/94	130	12210	7950	0.5	73.4
8/28/94	400	2280	-1980	0.3	73.2	9/4/94	200	12240	7980	0.5	73.4
8/28/94	430	2310	-1950	0.3	73.2	9/4/94	230	12270	8010	0.5	73.4
8/28/94	500	2340	-1920	0.4	73.3	9/4/94	300	12300	8040	0.5	73.4
8/28/94	530	2370	-1890	-1.3	71.6	9/4/94	330	12330	8070	0.5	73.4
8/28/94	600	2400	-1860	-0.8	72.1	9/4/94	400	12360	8100	0.5	73.4
8/28/94	630	2430	-1830	0	72.9	9/4/94	430	12390	8130	0.5	73.4
8/28/94	700	2460	-1800	0.2	73.1	9/4/94	500	12420	8160	0.5	73.4
8/28/94	730	2490	-1770	0.3	73.2	9/4/94	530	12450	8190	0.5	73.4
8/28/94	800	2520	-1740	0.3	73.2	9/4/94	600	12480	8220	0.5	73.4
8/28/94	830	2550	-1710	-0.1	72.8	9/4/94	630	12510	8250	0.5	73.4
8/28/94	900	2580	-1680	0.2	73.1	9/4/94	700	12540	8280	0.6	73.5
8/28/94	930	2610	-1650	0.3	73.2	9/4/94	730	12570	8310	0.6	73.5
8/28/94	1000	2640	-1620	-0.8	72.1	9/4/94	800	12600	8340	0.6	73.5
8/28/94	1030	2670	-1590	0	72.9	9/4/94	830	12630	8370	0.6	73.5

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time	Geokon Cum.	Test Cum.	Drawdown	Geokon	Date	24 Hour Time	Geokon Cum.	Test Cum.	Drawdown	Geokon
	Hour/Min.	Time (min.)	Time (min.)	(feet)	Reading		Hour/Min.	Time (min.)	Time (min.)	(feet)	Reading
8/28/94	1100	2700	-1560	0.2	73.1	9/4/94	900	12660	8400	0.5	73.4
8/28/94	1130	2730	-1530	-1.4	71.5	9/4/94	930	12690	8430	0.5	73.4
8/28/94	1200	2760	-1500	0	72.9	9/4/94	1000	12720	8460	0.5	73.4
8/28/94	1230	2790	-1470	0.2	73.1	9/4/94	1030	12750	8490	0.5	73.4
8/28/94	1300	2820	-1440	0.2	73.1	9/4/94	1100	12780	8520	0.5	73.4
8/28/94	1330	2850	-1410	-4.8	68.1	9/4/94	1130	12810	8550	0.5	73.4
8/28/94	1400	2880	-1380	-0.2	72.7	9/4/94	1200	12840	8580	0.5	73.4
8/28/94	1430	2910	-1350	0.1	73	9/4/94	1230	12870	8610	0.5	73.4
8/28/94	1500	2940	-1320	0.2	73.1	9/4/94	1300	12900	8640	0.5	73.4
8/28/94	1530	2970	-1290	0.2	73.1	9/4/94	1330	12930	8670	0.5	73.4
8/28/94	1600	3000	-1260	0.2	73.1	9/4/94	1400	12960	8700	0.5	73.4
8/28/94	1630	3030	-1230	0.2	73.1	9/4/94	1430	12990	8730	0.5	73.4
8/28/94	1700	3060	-1200	0.2	73.1	9/4/94	1500	13020	8760	0.5	73.4
8/28/94	1730	3090	-1170	0.3	73.2	9/4/94	1530	13050	8790	0.5	73.4
8/28/94	1800	3120	-1140	0.3	73.2	9/4/94	1600	13080	8820	0.5	73.4
8/28/94	1830	3150	-1110	0.3	73.2	9/4/94	1630	13110	8850	-3.39	69.51
8/28/94	1900	3180	-1080	0.3	73.2	9/4/94	1700	13140	8880	-0.3	72.6
8/28/94	1930	3210	-1050	0.3	73.2	9/4/94	1730	13170	8910	0.2	73.1
8/28/94	2000	3240	-1020	0.3	73.2	9/4/94	1800	13200	8940	0.3	73.2
8/28/94	2030	3270	-990	-2.6	70.3	9/4/94	1830	13230	8970	0.4	73.3
8/28/94	2100	3300	-960	-0.2	72.7	9/4/94	1900	13260	9000	0.4	73.3
8/28/94	2130	3330	-930	0.1	73	9/4/94	1930	13290	9030	0.4	73.3
8/28/94	2200	3360	-900	0.2	73.1	9/4/94	2000	13320	9060	0.4	73.3
8/28/94	2230	3390	-870	0.2	73.1	9/4/94	2030	13350	9090	0.5	73.4
8/28/94	2300	3420	-840	0.2	73.1	9/4/94	2100	13380	9120	0.5	73.4
8/28/94	2330	3450	-810	0.2	73.1	9/4/94	2130	13410	9150	0.5	73.4
8/29/94	0	3480	-780	0.2	73.1	9/4/94	2200	13440	9180	0.5	73.4
8/29/94	30	3510	-750	0.2	73.1	9/4/94	2230	13470	9210	0.5	73.4
8/29/94	100	3540	-720	0.3	73.2	9/4/94	2300	13500	9240	0.5	73.4
8/29/94	130	3570	-690	0.3	73.2	9/4/94	2330	13530	9270	0.5	73.4
8/29/94	200	3600	-660	0.3	73.2	9/5/94	0	13560	9300	0.5	73.4
8/29/94	230	3630	-630	0.3	73.2	9/5/94	30	13590	9330	0.5	73.4
8/29/94	300	3660	-600	0.3	73.2	9/5/94	100	13620	9360	0.5	73.4
8/29/94	330	3690	-570	0.2	73.1	9/5/94	130	13650	9390	0.5	73.4
8/29/94	400	3720	-540	0.3	73.2	9/5/94	200	13680	9420	0.5	73.4
8/29/94	430	3750	-510	0.2	73.1	9/5/94	230	13710	9450	0.5	73.4
8/29/94	500	3780	-480	0.3	73.2	9/5/94	300	13740	9480	0.5	73.4
8/29/94	530	3810	-450	0.3	73.2	9/5/94	330	13770	9510	0.5	73.4
8/29/94	600	3840	-420	0.2	73.1	9/5/94	400	13800	9540	0.5	73.4
8/29/94	630	3870	-390	0.3	73.2	9/5/94	430	13830	9570	0.5	73.4
8/29/94	700	3900	-360	0.3	73.2	9/5/94	500	13860	9600	0.5	73.4
8/29/94	730	3930	-330	0.3	73.2	9/5/94	530	13890	9630	0.5	73.4
8/29/94	800	3960	-300	0.3	73.2	9/5/94	600	13920	9660	0.5	73.4
8/29/94	830	3990	-270	0.3	73.2	9/5/94	630	13950	9690	0.5	73.4
8/29/94	900	4020	-240	0.3	73.2	9/5/94	700	13980	9720	0.5	73.4
8/29/94	930	4050	-210	0.3	73.2	9/5/94	730	14010	9750	0.5	73.4
8/29/94	1000	4080	-180	-0.5	72.4	9/5/94	800	14040	9780	0.5	73.4
8/29/94	1030	4110	-150	0	72.9	9/5/94	830	14070	9810	0.5	73.4
8/29/94	1100	4140	-120	0.1	73	9/5/94	900	14100	9840	0.5	73.4
8/29/94	1130	4170	-90	0.2	73.1	9/5/94	930	14130	9870	-6.71	66.19
8/29/94	1200	4200	-60	0.2	73.1	9/5/94	1000	14160	9900	-2.9	70
8/29/94	1230	4230	-30	0.2	73.1	9/5/94	1030	14190	9930	-3.29	69.61
8/29/94	1300	4260	0	0.3	73.2	9/5/94	1100	14220	9960	-0.6	72.3
8/29/94	1330	4290	30	0.3	73.2	9/5/94	1130	14250	9990	-0.1	72.8
8/29/94	1400	4320	60	0.3	73.2	9/5/94	1200	14280	10020	0	72.9
8/29/94	1430	4350	90	0.3	73.2	9/5/94	1230	14310	10050	0.1	73
8/29/94	1500	4380	120	0.3	73.2	9/5/94	1300	14340	10080	0.2	73.1
8/29/94	1530	4410	150	0.3	73.2	9/5/94	1330	14370	10110	0.2	73.1
8/29/94	1600	4440	180	0.3	73.2	9/5/94	1400	14400	10140	0.3	73.2
8/29/94	1630	4470	210	0.3	73.2	9/5/94	1430	14430	10170	0.3	73.2
8/29/94	1700	4500	240	0.3	73.2	9/5/94	1500	14460	10200	0.3	73.2
8/29/94	1730	4530	270	0.3	73.2	9/5/94	1530	14490	10230	0.3	73.2
8/29/94	1800	4560	300	0.3	73.2	9/5/94	1600	14520	10260	0.3	73.2
8/29/94	1830	4590	330	0.2	73.1	9/5/94	1630	14550	10290	0.3	73.2
8/29/94	1900	4620	360	0.2	73.1	9/5/94	1700	14580	10320	0.3	73.2
8/29/94	1930	4650	390	0.2	73.1	9/5/94	1730	14610	10350	0.3	73.2
8/29/94	2000	4680	420	0.2	73.1	9/5/94	1800	14640	10380	0.3	73.2
8/29/94	2030	4710	450	0.2	73.1	9/5/94	1830	14670	10410	0.3	73.2
8/29/94	2100	4740	480	0.3	73.2	9/5/94	1900	14700	10440	0.3	73.2
8/29/94	2130	4770	510	0.3	73.2	9/5/94	1930	14730	10470	0.4	73.3
8/29/94	2200	4800	540	0.3	73.2	9/5/94	2000	14760	10500	0.4	73.3
8/29/94	2230	4830	570	0.3	73.2	9/5/94	2030	14790	10530	0.4	73.3
8/29/94	2300	4860	600	0.3	73.2	9/5/94	2100	14820	10560	-1.7	71.2
8/29/94	2330	4890	630	0.3	73.2	9/5/94	2130	14850	10590	-0.3	72.6
8/30/94	0	4920	660	0.3	73.2	9/5/94	2200	14880	10620	0	72.9
8/30/94	30	4950	690	0.3	73.2	9/5/94	2230	14910	10650	0.1	73
8/30/94	100	4980	720	0.3	73.2	9/5/94	2300	14940	10680	0.1	73
8/30/94	130	5010	750	0.3	73.2	9/5/94	2330	14970	10710	0.2	73.1
8/30/94	200	5040	780	0.3	73.2	9/6/94	0	15000	10740	0.2	73.1
8/30/94	230	5070	810	0.3	73.2	9/6/94	30	15030	10770	0.2	73.1
8/30/94	300	5100	840	0.3	73.2	9/6/94	100	15060	10800	0.2	73.1
8/30/94	330	5130	870	0.3	73.2	9/6/94	130	15090	10830	0.3	73.2
8/30/94	400	5160	900	0.3	73.2	9/6/94	200	15120	10860	0.3	73.2
8/30/94	430	5190	930	0.4	73.3	9/6/94	230	15150	10890	0.3	73.2
8/30/94	500	5220	960	0.4	73.3	9/6/94	300	15180	10920	0.3	73.2
8/30/94	530	5250	990	0.4	73.3	9/6/94	330	15210	10950	0.3	73.2
8/30/94	600	5280	1020	0.4	73.3	9/6/94	400	15240	10980	0.3	73.2
8/30/94	630	5310	1050	0.4	73.3	9/6/94	430	15270	11010	0.3	73.2
8/30/94	700	5340	1080	0.4	73.3	9/6/94	500	15300	11040	0.3	73.2
8/30/94	730	5370	1110	0.4	73.3	9/6/94	530	15330	11070	0.3	73.2
8/30/94	800	5400	1140	0.4	73.3	9/6/94	600	15360	11100	0.3	73.2
8/30/94	830	5430	1170	0.4	73.3	9/6/94	630	15390	11130	0.3	73.2
8/30/94	900	5460	1200	0.4	73.3	9/6/94	700	15420	11160	0.3	73.2
8/30/94	930	5490	1230	0.4	73.3	9/6/94	730	15450	11190	0.3	73.2
8/30/94	1000	5520	1260	0.4	73.3	9/6/94	800	15480	11220	0.3	73.2
8/30/94	1030	5550	1290	0.4	73.3	9/6/94	830	15510	11250	0.3	73.2
8/30/94	1100	5580	1320	0.4	73.3	9/6/94	900	15540	11280	0.3	73.2
8/30/94	1130	5610	1350	0.4	73.3	9/6/94	930	15570	11310	0.3	73.2
8/30/94	1200	5640	1380	0.4	73.3	9/6/94	1000	15600	11340	0.3	73.2
8/30/94	1230	5670	1410	0.4	73.3	9/6/94	1030	15630	11370	0.3	73.2
8/30/94	1300	5700	1440	0.4	73.3	9/6/94	1100	15660	11400	0.3	73.2
8/30/94	1330	5730	1470	0.4	73.3	9/6/94	1130	15690	11430	0.3	73.2

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
8/30/94	1400	5760	1500	0.4	73.3	9/6/94	1200	15720	11460	0.3	73.2
8/30/94	1430	5790	1530	0.4	73.3	9/6/94	1230	15750	11490	0.3	73.2
8/30/94	1500	5820	1560	0.4	73.3	9/6/94	1300	15780	11520	0.3	73.2
8/30/94	1530	5850	1590	0.4	73.3	9/6/94	1330	15810	11550	0.2	73.1
8/30/94	1600	5880	1620	0.4	73.3	9/6/94	1400	15840	11580	0.2	73.1
8/30/94	1630	5910	1650	0.4	73.3	9/6/94	1430	15870	11610	0.2	73.1
8/30/94	1700	5940	1680	0.4	73.3	9/6/94	1500	15900	11640	0.3	73.2
8/30/94	1730	5970	1710	0.4	73.3	9/6/94	1530	15930	11670	0.2	73.1
8/30/94	1800	6000	1740	0.4	73.3	9/6/94	1600	15960	11700	0.2	73.1
8/30/94	1830	6030	1770	0.4	73.3	9/6/94	1630	15990	11730	0.2	73.1
8/30/94	1900	6060	1800	0.4	73.3	9/6/94	1700	16020	11760	0.2	73.1
8/30/94	1930	6090	1830	0.4	73.3	9/6/94	1730	16050	11790	0.2	73.1
8/30/94	2000	6120	1860	0.4	73.3	9/6/94	1800	16080	11820	0.2	73.1
8/30/94	2030	6150	1890	0.4	73.3	9/6/94	1830	16110	11850	0.2	73.1
8/30/94	2100	6180	1920	0.4	73.3	9/6/94	1900	16140	11880	0.2	73.1
8/30/94	2130	6210	1950	0.4	73.3	9/6/94	1930	16170	11910	0.2	73.1
8/30/94	2200	6240	1980	0.4	73.3	9/6/94	2000	16200	11940	0.2	73.1
8/30/94	2230	6270	2010	0.4	73.3	9/6/94	2030	16230	11970	0.3	73.2
8/30/94	2300	6300	2040	0.4	73.3	9/6/94	2100	16260	12000	0.3	73.2
8/30/94	2330	6330	2070	0.4	73.3	9/6/94	2130	16290	12030	0.3	73.2
8/31/94	0	6360	2100	0.4	73.3	9/6/94	2200	16320	12060	0.2	73.1
8/31/94	30	6390	2130	0.4	73.3	9/6/94	2230	16350	12090	0.2	73.1
8/31/94	100	6420	2160	0.4	73.3	9/6/94	2300	16380	12120	0.2	73.1
8/31/94	130	6450	2190	0.4	73.3	9/6/94	2330	16410	12150	0.2	73.1
8/31/94	200	6480	2220	0.4	73.3	9/7/94	0	16440	12180	0.2	73.1
8/31/94	230	6510	2250	0.4	73.3	9/7/94	30	16470	12210	0.2	73.1
8/31/94	300	6540	2280	0.4	73.3	9/7/94	100	16500	12240	0.2	73.1
8/31/94	330	6570	2310	0.4	73.3	9/7/94	130	16530	12270	0.2	73.1
8/31/94	400	6600	2340	0.4	73.3	9/7/94	200	16560	12300	0.2	73.1
8/31/94	430	6630	2370	0.4	73.3	9/7/94	230	16590	12330	0.2	73.1
8/31/94	500	6660	2400	0.4	73.3	9/7/94	300	16620	12360	0.2	73.1
8/31/94	530	6690	2430	0.4	73.3	9/7/94	330	16650	12390	0.2	73.1
8/31/94	600	6720	2460	0.4	73.3	9/7/94	400	16680	12420	0.2	73.1
8/31/94	630	6750	2490	0.4	73.3	9/7/94	430	16710	12450	0.2	73.1
8/31/94	700	6780	2520	0.4	73.3	9/7/94	500	16740	12480	0.2	73.1
8/31/94	730	6810	2550	0.4	73.3	9/7/94	530	16770	12510	0.2	73.1
8/31/94	800	6840	2580	0.4	73.3	9/7/94	600	16800	12540	0.3	73.2
8/31/94	830	6870	2610	0.4	73.3	9/7/94	630	16830	12570	0.3	73.2
8/31/94	900	6900	2640	0.3	73.2	9/7/94	700	16860	12600	0.3	73.2
8/31/94	930	6930	2670	0.3	73.2	9/7/94	730	16890	12630	0.3	73.2
8/31/94	1000	6960	2700	0.3	73.2	9/7/94	800	16920	12660	0.3	73.2
8/31/94	1030	6990	2730	0.3	73.2	9/7/94	830	16950	12690	0.3	73.2
8/31/94	1100	7020	2760	0.3	73.2	9/7/94	900	16980	12720	0.3	73.2
8/31/94	1130	7050	2790	0.3	73.2	9/7/94	930	17010	12750	0.3	73.2
8/31/94	1200	7080	2820	0.3	73.2	9/7/94	1000	17040	12780	0.3	73.2
8/31/94	1230	7110	2850	0.3	73.2	9/7/94	1030	17070	12810	0.3	73.2
8/31/94	1300	7140	2880	0.3	73.2	9/7/94	1100	17100	12840	0.3	73.2
8/31/94	1330	7170	2910	0.3	73.2	9/7/94	1130	17130	12870	0.3	73.2
8/31/94	1400	7200	2940	0.3	73.2	9/7/94	1200	17160	12900	0.3	73.2
8/31/94	1430	7230	2970	0.3	73.2	9/7/94	1230	17190	12930	0.2	73.1
8/31/94	1500	7260	3000	0.3	73.2	9/7/94	1300	17220	12960	0.2	73.1
8/31/94	1530	7290	3030	0.3	73.2	9/7/94	1330	17250	12990	0.2	73.1
8/31/94	1600	7320	3060	0.3	73.2	9/7/94	1400	17280	13020	0.2	73.1
8/31/94	1630	7350	3090	0.3	73.2	9/7/94	1430	17310	13050	0.2	73.1
8/31/94	1700	7380	3120	0.3	73.2	9/7/94	1500	17340	13080	0.2	73.1
8/31/94	1730	7410	3150	0.3	73.2	9/7/94	1530	17370	13110	0.2	73.1
8/31/94	1800	7440	3180	0.3	73.2	9/7/94	1600	17400	13140	0.2	73.1
8/31/94	1830	7470	3210	0.3	73.2	9/7/94	1630	17430	13170	0.2	73.1
8/31/94	1900	7500	3240	0.3	73.2	9/7/94	1700	17460	13200	0.3	73.2
8/31/94	1930	7530	3270	0.3	73.2	9/7/94	1730	17490	13230	0.3	73.2
8/31/94	2000	7560	3300	0.3	73.2	9/7/94	1800	17520	13260	0.3	73.2
8/31/94	2030	7590	3330	0.3	73.2	9/7/94	1830	17550	13290	0.3	73.2
8/31/94	2100	7620	3360	0.3	73.2	9/7/94	1900	17580	13320	0.3	73.2
8/31/94	2130	7650	3390	0.3	73.2	9/7/94	1930	17610	13350	0.3	73.2
8/31/94	2200	7680	3420	0.3	73.2	9/7/94	2000	17640	13380	0.3	73.2
8/31/94	2230	7710	3450	0.3	73.2	9/7/94	2030	17670	13410	0.3	73.2
8/31/94	2300	7740	3480	0.3	73.2	9/7/94	2100	17700	13440	0.3	73.2
8/31/94	2330	7770	3510	0.3	73.2	9/7/94	2130	17730	13470	0.3	73.2
9/1/94	0	7800	3540	0.3	73.2	9/7/94	2200	17760	13500	0.3	73.2
9/1/94	30	7830	3570	0.3	73.2	9/7/94	2230	17790	13530	-0.9	72
9/1/94	100	7860	3600	0.3	73.2	9/7/94	2300	17820	13560	0	72.9
9/1/94	130	7890	3630	0.3	73.2	9/7/94	2330	17850	13590	0.1	73
9/1/94	200	7920	3660	0.3	73.2	9/8/94	0	17880	13620	0.2	73.1
9/1/94	230	7950	3690	0.3	73.2	9/8/94	30	17910	13650	0.2	73.1
9/1/94	300	7980	3720	0.3	73.2	9/8/94	100	17940	13680	0.2	73.1
9/1/94	330	8010	3750	0.3	73.2	9/8/94	130	17970	13710	0.3	73.2
9/1/94	400	8040	3780	0.3	73.2	9/8/94	200	18000	13740	0.3	73.2
9/1/94	430	8070	3810	0.3	73.2	9/8/94	230	18030	13770	0.3	73.2
9/1/94	500	8100	3840	0.3	73.2	9/8/94	300	18060	13800	0.3	73.2
9/1/94	530	8130	3870	0.3	73.2	9/8/94	330	18090	13830	0.3	73.2
9/1/94	600	8160	3900	0.3	73.2	9/8/94	400	18120	13860	0.3	73.2
9/1/94	630	8190	3930	0.3	73.2	9/8/94	430	18150	13890	0.3	73.2
9/1/94	700	8220	3960	0.3	73.2	9/8/94	500	18180	13920	0.3	73.2
9/1/94	730	8250	3990	0.3	73.2	9/8/94	530	18210	13950	0.3	73.2
9/1/94	800	8280	4020	0.3	73.2	9/8/94	600	18240	13980	0.3	73.2
9/1/94	830	8310	4050	0.3	73.2	9/8/94	630	18270	14010	0.3	73.2
9/1/94	900	8340	4080	0.3	73.2	9/8/94	700	18300	14040	0.3	73.2
9/1/94	930	8370	4110	0.3	73.2	9/8/94	730	18330	14070	0.4	73.3
9/1/94	1000	8400	4140	0.4	73.3	9/8/94	800	18360	14100	0.4	73.3
9/1/94	1030	8430	4170	0.4	73.3	9/8/94	830	18390	14130	0.4	73.3
9/1/94	1100	8460	4200	0.4	73.3	9/8/94	900	18420	14160	0.4	73.3
9/1/94	1130	8490	4230	0.4	73.3	9/8/94	930	18450	14190	0.4	73.3
9/1/94	1200	8520	4260	0.4	73.3	9/8/94	1000	18480	14220	0.4	73.3
9/1/94	1230	8550	4290	0.4	73.3	9/8/94	1030	18510	14250	0.4	73.3
9/1/94	1300	8580	4320	0.4	73.3	9/8/94	1100	18540	14280	0.4	73.3
9/1/94	1330	8610	4350	0.4	73.3	9/8/94	1130	18570	14310	0.3	73.2
9/1/94	1400	8640	4380	0.4	73.3	9/8/94	1200	18600	14340	0.3	73.2
9/1/94	1430	8670	4410	0.4	73.3	9/8/94	1230	18630	14370	0.3	73.2
9/1/94	1500	8700	4440	0.4	73.3	9/8/94	1300	18660	14400	0.3	73.2
9/1/94	1530	8730	4470	0.4	73.3	9/8/94	1330	18690	14430	0.3	73.2
9/1/94	1600	8760	4500	0.4	73.3	9/8/94	1400	18720	14460	0.3	73.2
9/1/94	1630	8790	4530	0.4	73.3	9/8/94	1430	18750	14490	0.3	73.2

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
9/1/94	1700	8820	4560	0.4	73.3	9/8/94	1500	18780	14520	0.3	73.2
9/1/94	1730	8850	4590	0.4	73.3	9/8/94	1530	18810	14550	0.3	73.2
9/1/94	1800	8880	4620	0.4	73.3	9/8/94	1600	18840	14580	0.3	73.2
9/1/94	1830	8910	4650	0.4	73.3	9/8/94	1630	18870	14610	0.3	73.2
9/1/94	1900	8940	4680	0.4	73.3	9/8/94	1700	18900	14640	0.3	73.2
9/1/94	1930	8970	4710	0.4	73.3	9/8/94	1730	18930	14670	0.3	73.2
9/1/94	2000	9000	4740	0.4	73.3	9/8/94	1800	18960	14700	0.3	73.2
9/1/94	2030	9030	4770	0.4	73.3	9/8/94	1830	18990	14730	0.3	73.2
9/1/94	2100	9060	4800	0.4	73.3	9/8/94	1900	19020	14760	0.3	73.2
9/1/94	2130	9090	4830	0.4	73.3	9/8/94	1930	19050	14790	0.3	73.2
9/1/94	2200	9120	4860	0.4	73.3	9/8/94	2000	19080	14820	0.3	73.2
9/1/94	2230	9150	4890	0.4	73.3	9/8/94	2030	19110	14850	0.3	73.2
9/1/94	2300	9180	4920	0.4	73.3	9/8/94	2100	19140	14880	0.3	73.2
9/1/94	2330	9210	4950	0.4	73.3	9/8/94	2130	19170	14910	0.3	73.2
9/2/94	0	9240	4980	0.4	73.3	9/8/94	2200	19200	14940	0.3	73.2
9/2/94	30	9270	5010	0.4	73.3	9/8/94	2230	19230	14970	0.3	73.2
9/2/94	100	9300	5040	0.4	73.3	9/8/94	2300	19260	15000	0.3	73.2
9/2/94	130	9330	5070	0.4	73.3	9/8/94	2330	19290	15030	0.3	73.2
9/2/94	200	9360	5100	0.4	73.3	9/9/94	0	19320	15060	0.3	73.2
9/2/94	230	9390	5130	0.4	73.3	9/9/94	30	19350	15090	0.3	73.2
9/2/94	300	9420	5160	0.4	73.3	9/9/94	100	19380	15120	0.3	73.2
9/2/94	330	9450	5190	0.4	73.3	9/9/94	130	19410	15150	0.3	73.2
9/2/94	400	9480	5220	0.4	73.3	9/9/94	200	19440	15180	0.3	73.2
9/2/94	430	9510	5250	0.4	73.3	9/9/94	230	19470	15210	0.3	73.2
9/2/94	500	9540	5280	0.4	73.3	9/9/94	300	19500	15240	0.3	73.2
9/2/94	530	9570	5310	0.5	73.4	9/9/94	330	19530	15270	0.3	73.2
9/2/94	600	9600	5340	0.5	73.4	9/9/94	400	19560	15300	0.3	73.2
9/2/94	630	9630	5370	0.5	73.4	9/9/94	430	19590	15330	0.3	73.2
9/2/94	700	9660	5400	0.5	73.4	9/9/94	500	19620	15360	0.3	73.2
9/2/94	730	9690	5430	0.5	73.4	9/9/94	530	19650	15390	0.3	73.2
9/2/94	800	9720	5460	0.5	73.4	9/9/94	600	19680	15420	0.3	73.2
9/2/94	830	9750	5490	0.5	73.4	9/9/94	630	19710	15450	0.3	73.2
9/2/94	900	9780	5520	0.5	73.4	9/9/94	700	19740	15480	0.3	73.2
9/2/94	930	9810	5550	0.5	73.4	9/9/94	730	19770	15510	0.3	73.2
9/2/94	1000	9840	5580	0.5	73.4	9/9/94	800	19800	15540	0.3	73.2
9/2/94	1030	9870	5610	0.5	73.4	9/9/94	830	19830	15570	-6.36	66.54
9/2/94	1100	9900	5640	0.5	73.4	9/9/94	900	19860	15600	-0.4	72.5
9/2/94	1130	9930	5670	0.5	73.4	9/9/94	930	19890	15630	0	72.9
9/2/94	1200	9960	5700	0.5	73.4	9/9/94	1000	19920	15660	0.1	73
						9/9/94	1030	19950	15690	0.2	73.1
						9/9/94	1100	19980	15720	0.2	73.1
						9/9/94	1130	20010	15750	-6.31	66.59
						9/9/94	1200	20040	15780	-1.3	71.6
						9/9/94	1230	20070	15810	-0.4	72.5
						9/9/94	1300	20100	15840	-0.2	72.7
						9/9/94	1330	20130	15870	-0.1	72.8
						9/9/94	1400	20160	15900	0	72.9
						9/9/94	1430	20190	15930	0.1	73
						9/9/94	1500	20220	15960	0.1	73
						9/9/94	1530	20250	15990	0.1	73
						9/9/94	1600	20280	16020	0.1	73
						9/9/94	1630	20310	16050	0.2	73.1
						9/9/94	1700	20340	16080	0.2	73.1
						9/9/94	1730	20370	16110	0.2	73.1
						9/9/94	1800	20400	16140	0.2	73.1
						9/9/94	1830	20430	16170	0.2	73.1
						9/9/94	1900	20460	16200	0.2	73.1
						9/9/94	1930	20490	16230	0.2	73.1
						9/9/94	2000	20520	16260	0.2	73.1
						9/9/94	2030	20550	16290	0.2	73.1
						9/9/94	2100	20580	16320	-3.57	69.33
						9/9/94	2130	20610	16350	-0.4	72.5
						9/9/94	2200	20640	16380	-0.1	72.8
						9/9/94	2230	20670	16410	0	72.9
						9/9/94	2300	20700	16440	0.1	73
						9/9/94	2330	20730	16470	0.1	73
						9/10/94	0	20760	16500	0.2	73.1
						9/10/94	30	20790	16530	0.2	73.1
						9/10/94	100	20820	16560	0.2	73.1
						9/10/94	130	20850	16590	0.2	73.1
						9/10/94	200	20880	16620	0.2	73.1
						9/10/94	230	20910	16650	0.2	73.1
						9/10/94	300	20940	16680	0.2	73.1
						9/10/94	330	20970	16710	0.2	73.1
						9/10/94	400	21000	16740	0.2	73.1
						9/10/94	430	21030	16770	0.2	73.1
						9/10/94	500	21060	16800	0.2	73.1
						9/10/94	530	21090	16830	0.3	73.2
						9/10/94	600	21120	16860	0.3	73.2
						9/10/94	630	21150	16890	0.3	73.2
						9/10/94	700	21180	16920	0.3	73.2
						9/10/94	730	21210	16950	0.3	73.2
						9/10/94	800	21240	16980	0.3	73.2
						9/10/94	830	21270	17010	0.3	73.2
						9/10/94	900	21300	17040	0.3	73.2
						9/10/94	930	21330	17070	0.3	73.2
						9/10/94	1000	21360	17100	-0.6	72.3
						9/10/94	1030	21390	17130	0	72.9
						9/10/94	1100	21420	17160	0.1	73
						9/10/94	1130	21450	17190	0.2	73.1
						9/10/94	1200	21480	17220	0.2	73.1
						9/10/94	1230	21510	17250	0.2	73.1
						9/10/94	1300	21540	17280	0.2	73.1
						9/10/94	1330	21570	17310	0.2	73.1
						9/10/94	1400	21600	17340	0.2	73.1
						9/10/94	1430	21630	17370	0.2	73.1
						9/10/94	1500	21660	17400	0.2	73.1
						9/10/94	1530	21690	17430	0.2	73.1
						9/10/94	1600	21720	17460	0.2	73.1
						9/10/94	1630	21750	17490	0.2	73.1
						9/10/94	1700	21780	17520	0.2	73.1
						9/10/94	1730	21810	17550	-7.88	65.02

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
						9/10/94	1800	21840	17580	-1.9	71
						9/10/94	1830	21870	17610	-0.6	72.3
						9/10/94	1900	21900	17640	-0.3	72.6
						9/10/94	1930	21930	17670	-0.1	72.8
						9/10/94	2000	21960	17700	0	72.9
						9/10/94	2030	21990	17730	0.1	73
						9/10/94	2100	22020	17760	0.1	73
						9/10/94	2130	22050	17790	0.2	73.1
						9/10/94	2200	22080	17820	0.2	73.1
						9/10/94	2230	22110	17850	0.2	73.1
						9/10/94	2300	22140	17880	0.2	73.1
						9/10/94	2330	22170	17910	0.2	73.1
						9/11/94	0	22200	17940	0.2	73.1
						9/11/94	30	22230	17970	0.2	73.1
						9/11/94	100	22260	18000	0.3	73.2
						9/11/94	130	22290	18030	0.3	73.2
						9/11/94	200	22320	18060	0.3	73.2
						9/11/94	230	22350	18090	0.3	73.2
						9/11/94	300	22380	18120	0.3	73.2
						9/11/94	330	22410	18150	0.3	73.2
						9/11/94	400	22440	18180	0.3	73.2
						9/11/94	430	22470	18210	0.3	73.2
						9/11/94	500	22500	18240	0.3	73.2
						9/11/94	530	22530	18270	0.3	73.2
						9/11/94	600	22560	18300	0.3	73.2
						9/11/94	630	22590	18330	0.3	73.2
						9/11/94	700	22620	18360	0.3	73.2
						9/11/94	730	22650	18390	0.3	73.2
						9/11/94	800	22680	18420	0.3	73.2
						9/11/94	830	22710	18450	-5.67	67.23
						9/11/94	900	22740	18480	-0.2	72.7
						9/11/94	930	22770	18510	0.1	73
						9/11/94	1000	22800	18540	0.2	73.1
						9/11/94	1030	22830	18570	0.2	73.1
						9/11/94	1100	22860	18600	0.3	73.2
						9/11/94	1130	22890	18630	0.3	73.2
						9/11/94	1200	22920	18660	0.3	73.2
						9/11/94	1230	22950	18690	0.3	73.2
						9/11/94	1300	22980	18720	0.3	73.2
						9/11/94	1330	23010	18750	0.3	73.2
						9/11/94	1400	23040	18780	0.3	73.2
						9/11/94	1430	23070	18810	0.3	73.2
						9/11/94	1500	23100	18840	0.3	73.2
						9/11/94	1530	23130	18870	-20.97	51.93
						9/11/94	1600	23160	18900	-20.16	52.74
						9/11/94	1630	23190	18930	-7.75	65.15
						9/11/94	1700	23220	18960	-6.54	66.36
						9/11/94	1730	23250	18990	-2.3	70.6
						9/11/94	1800	23280	19020	-10.22	62.68
						9/11/94	1830	23310	19050	-2.6	70.3
						9/11/94	1900	23340	19080	-1.6	71.3
						9/11/94	1930	23370	19110	-1.1	71.8
						9/11/94	2000	23400	19140	-0.8	72.1
						9/11/94	2030	23430	19170	-0.5	72.4
						9/11/94	2100	23460	19200	-0.4	72.5
						9/11/94	2130	23490	19230	-0.2	72.7
						9/11/94	2200	23520	19260	-0.1	72.8
						9/11/94	2230	23550	19290	-0.1	72.8
						9/11/94	2300	23580	19320	0	72.9
						9/11/94	2330	23610	19350	0.1	73
						9/12/94	0	23640	19380	0.1	73
						9/12/94	30	23670	19410	0.1	73
						9/12/94	100	23700	19440	0.1	73
						9/12/94	130	23730	19470	0.2	73.1
						9/12/94	200	23760	19500	0.2	73.1
						9/12/94	230	23790	19530	0.2	73.1
						9/12/94	300	23820	19560	0.2	73.1
						9/12/94	330	23850	19590	0.2	73.1
						9/12/94	400	23880	19620	0.2	73.1
						9/12/94	430	23910	19650	0.2	73.1
						9/12/94	500	23940	19680	0.3	73.2
						9/12/94	530	23970	19710	0.3	73.2
						9/12/94	600	24000	19740	0.3	73.2
						9/12/94	630	24030	19770	0.3	73.2
						9/12/94	700	24060	19800	0.3	73.2
						9/12/94	730	24090	19830	0.3	73.2
						9/12/94	800	24120	19860	-1.9	71
						9/12/94	830	24150	19890	-1.1	71.8
						9/12/94	900	24180	19920	-1.2	71.7
						9/12/94	930	24210	19950	-0.4	72.5
						9/12/94	1000	24240	19980	-0.2	72.7

FLING DOMESTIC WELL

Emery & Garrett Groundwater, Inc.

PUMPING TEST DATA SHEET FOR FLING DOMESTIC WELL

PROJECT: New Baltimore, Virginia
SUBCONTRACTOR: Valley Drilling
PUMPING WELL (S): E-1, E-6, E-7

MONITORING WELL: Fling Well
STATIC WATER LEVEL: NA
MAXIMUM DRAWDOWN: NA
MEASURING POINT: NA

	Date	Hour	Minute
Start of Pumping:	8/29/94	13	0
Start of Recovery:	9/2/94	12	0

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
8/26/94	1400	0	-4260	0.00	16.24	9/2/94	1200	9960	5700	-0.13	16.1884
8/26/94	1500	60	-4200	0.08	16.28	9/2/94	1300	10020	5760	0.19	16.3229
8/26/94	1600	120	-4140	0.05	16.27	9/2/94	1400	10080	5820	0.20	16.328
8/26/94	1700	180	-4080	0.03	16.26	9/2/94	1500	10140	5880	-0.16	16.1755
8/26/94	1800	240	-4020	0.03	16.26	9/2/94	1600	10200	5940	0.16	16.3099
8/26/94	1900	300	-3960	0.07	16.27	9/2/94	1700	10260	6000	0.16	16.3099
8/26/94	2000	360	-3900	-0.10	16.20	9/2/94	1800	10320	6060	0.16	16.3125
8/26/94	2100	420	-3840	0.07	16.27	9/2/94	1900	10380	6120	0.12	16.2944
8/26/94	2200	480	-3780	0.02	16.25	9/2/94	2000	10440	6180	0.19	16.3254
8/26/94	2300	540	-3720	0.05	16.27	9/2/94	2100	10500	6240	0.18	16.3203
8/27/94	0	600	-3660	0.04	16.26	9/2/94	2200	10560	6300	0.20	16.328
8/27/94	100	660	-3600	0.05	16.26	9/2/94	2300	10620	6360	0.20	16.328
8/27/94	200	720	-3540	-0.51	16.02	9/3/94	0	10680	6420	0.20	16.3306
8/27/94	300	780	-3480	0.04	16.26	9/3/94	100	10740	6480	0.21	16.3332
8/27/94	400	840	-3420	0.05	16.26	9/3/94	200	10800	6540	0.24	16.3461
8/27/94	500	900	-3360	-0.01	16.24	9/3/94	300	10860	6600	0.21	16.3358
8/27/94	600	960	-3300	0.06	16.27	9/3/94	400	10920	6660	0.24	16.3461
8/27/94	700	1020	-3240	0.02	16.25	9/3/94	500	10980	6720	0.23	16.3409
8/27/94	800	1080	-3180	0.05	16.26	9/3/94	600	11040	6780	0.24	16.3487
8/27/94	900	1140	-3120	0.08	16.28	9/3/94	700	11100	6840	0.23	16.3409
8/27/94	1000	1200	-3060	0.05	16.27	9/3/94	800	11160	6900	0.20	16.3306
8/27/94	1100	1260	-3000	0.10	16.29	9/3/94	900	11220	6960	0.24	16.3487
8/27/94	1200	1320	-2940	0.06	16.27	9/3/94	1000	11280	7020	0.21	16.3358
8/27/94	1300	1380	-2880	-0.06	16.22	9/3/94	1100	11340	7080	0.22	16.3384
8/27/94	1400	1440	-2820	0.08	16.28	9/3/94	1200	11400	7140	0.24	16.3461
8/27/94	1500	1500	-2760	-0.31	16.11	9/3/94	1300	11460	7200	0.26	16.3539
8/27/94	1600	1560	-2700	0.05	16.26	9/3/94	1400	11520	7260	0.23	16.3435
8/27/94	1700	1620	-2640	-2.98	14.95	9/3/94	1500	11580	7320	0.24	16.3461
8/27/94	1800	1680	-2580	0.01	16.25	9/3/94	1600	11640	7380	0.22	16.3384
8/27/94	1900	1740	-2520	0.00	16.24	9/3/94	1700	11700	7440	-0.54	16.0071
8/27/94	2000	1800	-2460	0.02	16.25	9/3/94	1800	11760	7500	0.21	16.3358
8/27/94	2100	1860	-2400	0.05	16.26	9/3/94	1900	11820	7560	-2.48	15.1713
8/27/94	2200	1920	-2340	0.05	16.26	9/3/94	2000	11880	7620	-9.17	12.2713
8/27/94	2300	1980	-2280	0.02	16.25	9/3/94	2100	11940	7680	0.22	16.3384
8/28/94	0	2040	-2220	0.01	16.25	9/3/94	2200	12000	7740	0.19	16.3229
8/28/94	100	2100	-2160	0.05	16.27	9/3/94	2300	12060	7800	0.21	16.3358
8/28/94	200	2160	-2100	-12.37	10.89	9/4/94	0	12120	7860	-4.89	14.1272
8/28/94	300	2220	-2040	-0.01	16.24	9/4/94	100	12180	7920	0.23	16.3435
8/28/94	400	2280	-1980	0.01	16.25	9/4/94	200	12240	7980	0.24	16.3487
8/28/94	500	2340	-1920	-0.25	16.13	9/4/94	300	12300	8040	0.21	16.3332
8/28/94	600	2400	-1860	0.02	16.25	9/4/94	400	12360	8100	0.23	16.3409
8/28/94	700	2460	-1800	-0.04	16.22	9/4/94	500	12420	8160	0.22	16.3384
8/28/94	800	2520	-1740	-6.56	13.40	9/4/94	600	12480	8220	0.23	16.3409
8/28/94	900	2580	-1680	0.01	16.25	9/4/94	700	12540	8280	0.10	16.2867
8/28/94	1000	2640	-1620	-0.06	16.22	9/4/94	800	12600	8340	0.08	16.2764
8/28/94	1100	2700	-1560	0.00	16.24	9/4/94	900	12660	8400	-10.81	11.5649
8/28/94	1200	2760	-1500	-0.06	16.22	9/4/94	1000	12720	8460	0.13	16.297
8/28/94	1300	2820	-1440	-0.01	16.24	9/4/94	1100	12780	8520	-0.20	16.1574
8/28/94	1400	2880	-1380	-0.09	16.20	9/4/94	1200	12840	8580	-11.04	11.4643
8/28/94	1500	2940	-1320	-0.41	16.06	9/4/94	1300	12900	8640	-2.69	15.0771
8/28/94	1600	3000	-1260	-0.13	16.19	9/4/94	1400	12960	8700	0.07	16.2738
8/28/94	1700	3060	-1200	-0.15	16.18	9/4/94	1500	13020	8760	0.19	16.3229
8/28/94	1800	3120	-1140	-6.01	13.64	9/4/94	1600	13080	8820	0.13	16.2996
8/28/94	1900	3180	-1080	-0.13	16.19	9/4/94	1700	13140	8880	0.17	16.3177
8/28/94	2000	3240	-1020	-0.15	16.18	9/4/94	1800	13200	8940	0.16	16.3099
8/28/94	2100	3300	-960	-0.13	16.19	9/4/94	1900	13260	9000	0.10	16.2867
8/28/94	2200	3360	-900	-0.14	16.18	9/4/94	2000	13320	9060	0.11	16.2919
8/28/94	2300	3420	-840	-0.26	16.13	9/4/94	2100	13380	9120	0.17	16.3177
8/29/94	0	3480	-780	-0.16	16.17	9/4/94	2200	13440	9180	-5.13	14.0214
8/29/94	100	3540	-720	-0.17	16.17	9/4/94	2300	13500	9240	0.18	16.3203
8/29/94	200	3600	-660	-0.17	16.17	9/5/94	0	13560	9300	0.11	16.2893
8/29/94	300	3660	-600	-1.95	15.40	9/5/94	100	13620	9360	0.15	16.3074
8/29/94	400	3720	-540	-0.17	16.17	9/5/94	200	13680	9420	0.17	16.3177
8/29/94	500	3780	-480	-0.18	16.17	9/5/94	300	13740	9480	-5.68	13.7828
8/29/94	600	3840	-420	-0.57	15.99	9/5/94	400	13800	9540	0.15	16.3074
8/29/94	700	3900	-360	-1.41	15.63	9/5/94	500	13860	9600	0.15	16.3074
8/29/94	800	3960	-300	-5.16	14.01	9/5/94	600	13920	9660	0.16	16.3099
8/29/94	900	4020	-240	-0.55	16.00	9/5/94	700	13980	9720	0.04	16.2608
8/29/94	1000	4080	-180	-0.35	16.09	9/5/94	800	14040	9780	-2.55	15.1373
8/29/94	1100	4140	-120	-0.25	16.13	9/5/94	900	14100	9840	0.11	16.2893
8/29/94	1200	4200	-60	-0.17	16.17	9/5/94	1000	14160	9900	0.14	16.3022
8/29/94	1300	4260	0	-0.16	16.17	9/5/94	1100	14220	9960	-0.32	16.103
8/29/94	1400	4320	60	-8.82	12.42	9/5/94	1200	14280	10020	-0.22	16.147
8/29/94	1500	4380	120	-0.15	16.18	9/5/94	1300	14340	10080	0.08	16.2764
8/29/94	1600	4440	180	-0.38	16.08	9/5/94	1400	14400	10140	0.04	16.2608
8/29/94	1700	4500	240	-0.11	16.20	9/5/94	1500	14460	10200	0.05	16.2634
8/29/94	1800	4560	300	-0.24	16.14	9/5/94	1600	14520	10260	-0.05	16.2195
8/29/94	1900	4620	360	-0.19	16.16	9/5/94	1700	14580	10320	-0.33	16.1004
8/29/94	2000	4680	420	-0.11	16.19	9/5/94	1800	14640	10380	-0.02	16.235
8/29/94	2100	4740	480	-0.08	16.21	9/5/94	1900	14700	10440	-0.03	16.2298
8/29/94	2200	4800	540	-0.16	16.17	9/5/94	2000	14760	10500	-0.28	16.1237
8/29/94	2300	4860	600	-0.05	16.22	9/5/94	2100	14820	10560	-0.07	16.2143
8/30/94	0	4920	660	-0.02	16.24	9/5/94	2200	14880	10620	-0.02	16.2324
8/30/94	100	4980	720	-0.02	16.24	9/5/94	2300	14940	10680	-0.24	16.1392
8/30/94	200	5040	780	-0.04	16.23	9/6/94	0	15000	10740	-0.04	16.2272
8/30/94	300	5100	840	-0.04	16.22	9/6/94	100	15060	10800	-0.03	16.2298
8/30/94	400	5160	900	0.01	16.25	9/6/94	200	15120	10860	-0.05	16.222
8/30/94	500	5220	960	0.00	16.24	9/6/94	300	15180	10920	-0.05	16.2195
8/30/94	600	5280	1020	-0.07	16.21	9/6/94	400	15240	10980	-0.08	16.2091
8/30/94	700	5340	1080	0.04	16.26	9/6/94	500	15300	11040	-0.05	16.222

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
8/30/94	800	5400	1140	-0.02	16.24	9/6/94	600	15360	11100	-0.14	16.1833
8/30/94	900	5460	1200	-6.57	13.40	9/6/94	700	15420	11160	-0.08	16.2091
8/30/94	1000	5520	1260	0.05	16.27	9/6/94	800	15480	11220	-0.16	16.1755
8/30/94	1100	5580	1320	0.05	16.27	9/6/94	900	15540	11280	-1.46	15.6097
8/30/94	1200	5640	1380	-4.62	14.24	9/6/94	1000	15600	11340	-2.55	15.1399
8/30/94	1300	5700	1440	0.08	16.28	9/6/94	1100	15660	11400	-10.66	11.63
8/30/94	1400	5760	1500	0.06	16.27	9/6/94	1200	15720	11460	-0.17	16.1703
8/30/94	1500	5820	1560	-0.20	16.16	9/6/94	1300	15780	11520	-0.13	16.1858
8/30/94	1600	5880	1620	0.05	16.26	9/6/94	1400	15840	11580	-0.16	16.1729
8/30/94	1700	5940	1680	0.07	16.27	9/6/94	1500	15900	11640	-0.13	16.1884
8/30/94	1800	6000	1740	0.04	16.26	9/6/94	1600	15960	11700	-0.14	16.1833
8/30/94	1900	6060	1800	0.04	16.26	9/6/94	1700	16020	11760	-0.15	16.1781
8/30/94	2000	6120	1860	0.04	16.26	9/6/94	1800	16080	11820	-0.30	16.1108
8/30/94	2100	6180	1920	-5.55	13.84	9/6/94	1900	16140	11880	-0.17	16.1703
8/30/94	2200	6240	1980	0.02	16.25	9/6/94	2000	16200	11940	-0.18	16.1651
8/30/94	2300	6300	2040	0.05	16.27	9/6/94	2100	16260	12000	-1.42	15.6279
8/31/94	0	6360	2100	0.05	16.26	9/6/94	2200	16320	12060	-0.16	16.1755
8/31/94	100	6420	2160	0.07	16.27	9/6/94	2300	16380	12120	-0.17	16.1703
8/31/94	200	6480	2220	0.07	16.27	9/7/94	0	16440	12180	-0.13	16.1884
8/31/94	300	6540	2280	0.02	16.25	9/7/94	100	16500	12240	-0.16	16.1729
8/31/94	400	6600	2340	0.03	16.26	9/7/94	200	16560	12300	-0.19	16.1625
8/31/94	500	6660	2400	0.04	16.26	9/7/94	300	16620	12360	-0.19	16.1625
8/31/94	600	6720	2460	-0.16	16.17	9/7/94	400	16680	12420	-0.17	16.1703
8/31/94	700	6780	2520	-0.13	16.19	9/7/94	500	16740	12480	-0.12	16.191
8/31/94	800	6840	2580	-0.88	15.86	9/7/94	600	16800	12540	-0.16	16.1755
8/31/94	900	6900	2640	-0.01	16.24	9/7/94	700	16860	12600	-0.20	16.1574
8/31/94	1000	6960	2700	-0.02	16.23	9/7/94	800	16920	12660	-0.20	16.1548
8/31/94	1100	7020	2760	0.00	16.24	9/7/94	900	16980	12720	-2.48	15.1687
8/31/94	1200	7080	2820	-0.06	16.22	9/7/94	1000	17040	12780	-0.16	16.1729
8/31/94	1300	7140	2880	-0.01	16.24	9/7/94	1100	17100	12840	-0.48	16.0356
8/31/94	1400	7200	2940	-0.05	16.22	9/7/94	1200	17160	12900	-0.54	16.0097
8/31/94	1500	7260	3000	-0.04	16.22	9/7/94	1300	17220	12960	-0.13	16.1858
8/31/94	1600	7320	3060	-0.22	16.15	9/7/94	1400	17280	13020	-0.13	16.1884
8/31/94	1700	7380	3120	-0.08	16.21	9/7/94	1500	17340	13080	-0.35	16.0926
8/31/94	1800	7440	3180	-0.10	16.20	9/7/94	1600	17400	13140	-0.28	16.1237
8/31/94	1900	7500	3240	-0.08	16.21	9/7/94	1700	17460	13200	-0.15	16.1781
8/31/94	2000	7560	3300	-2.63	15.11	9/7/94	1800	17520	13260	-0.12	16.191
8/31/94	2100	7620	3360	-0.08	16.21	9/7/94	1900	17580	13320	-0.14	16.1833
8/31/94	2200	7680	3420	-0.08	16.21	9/7/94	2000	17640	13380	-0.14	16.1807
8/31/94	2300	7740	3480	-0.14	16.18	9/7/94	2100	17700	13440	-0.09	16.2039
9/1/94	0	7800	3540	-0.08	16.21	9/7/94	2200	17760	13500	-0.17	16.1703
9/1/94	100	7860	3600	-0.13	16.19	9/7/94	2300	17820	13560	-0.07	16.2143
9/1/94	200	7920	3660	-0.10	16.20	9/8/94	0	17880	13620	-0.45	16.046
9/1/94	300	7980	3720	-0.15	16.18	9/8/94	100	17940	13680	-0.04	16.2272
9/1/94	400	8040	3780	-0.08	16.21	9/8/94	200	18000	13740	-0.02	16.2324
9/1/94	500	8100	3840	-0.05	16.22	9/8/94	300	18060	13800	-0.03	16.2298
9/1/94	600	8160	3900	-0.07	16.21	9/8/94	400	18120	13860	-0.04	16.2246
9/1/94	700	8220	3960	-2.70	15.07	9/8/94	500	18180	13920	0.00	16.2428
9/1/94	800	8280	4020	-4.39	14.34	9/8/94	600	18240	13980	-0.01	16.2402
9/1/94	900	8340	4080	-0.01	16.24	9/8/94	700	18300	14040	-0.14	16.1833
9/1/94	1000	8400	4140	-0.01	16.24	9/8/94	800	18360	14100	-0.05	16.2195
9/1/94	1100	8460	4200	-1.06	15.78	9/8/94	900	18420	14160	-0.18	16.1651
9/1/94	1200	8520	4260	0.05	16.27	9/8/94	1000	18480	14220	-0.64	15.9657
9/1/94	1300	8580	4320	0.06	16.27	9/8/94	1100	18540	14280	-0.19	16.1625
9/1/94	1400	8640	4380	0.04	16.26	9/8/94	1200	18600	14340	-0.22	16.1496
9/1/94	1500	8700	4440	0.07	16.27	9/8/94	1300	18660	14400	-0.02	16.235
9/1/94	1600	8760	4500	0.05	16.26	9/8/94	1400	18720	14460	-0.16	16.1729
9/1/94	1700	8820	4560	0.08	16.28	9/8/94	1500	18780	14520	-0.02	16.2324
9/1/94	1800	8880	4620	0.04	16.26	9/8/94	1600	18840	14580	-0.20	16.1548
9/1/94	1900	8940	4680	0.03	16.26	9/8/94	1700	18900	14640	-0.05	16.222
9/1/94	2000	9000	4740	-0.87	15.87	9/8/94	1800	18960	14700	-0.08	16.2091
9/1/94	2100	9060	4800	0.07	16.27	9/8/94	1900	19020	14760	-2.51	15.1582
9/1/94	2200	9120	4860	0.02	16.25	9/8/94	2000	19080	14820	-0.09	16.2039
9/1/94	2300	9180	4920	0.10	16.28	9/8/94	2100	19140	14880	-1.23	15.7112
9/2/94	0	9240	4980	0.13	16.30	9/8/94	2200	19200	14940	-0.07	16.2143
9/2/94	100	9300	5040	0.11	16.29	9/8/94	2300	19260	15000	-0.39	16.0719
9/2/94	200	9360	5100	0.14	16.30	9/9/94	0	19320	15060	-0.07	16.2143
9/2/94	300	9420	5160	0.17	16.32	9/9/94	100	19380	15120	-0.07	16.2143
9/2/94	400	9480	5220	0.11	16.29	9/9/94	200	19440	15180	-0.08	16.2091
9/2/94	500	9540	5280	0.16	16.31	9/9/94	300	19500	15240	-0.06	16.2169
9/2/94	600	9600	5340	0.19	16.33	9/9/94	400	19560	15300	-3.50	14.7256
9/2/94	700	9660	5400	-0.88	15.86	9/9/94	500	19620	15360	-0.09	16.2039
9/2/94	800	9720	5460	0.09	16.28	9/9/94	600	19680	15420	-0.08	16.2091
9/2/94	900	9780	5520	0.17	16.32	9/9/94	700	19740	15480	-0.06	16.2169
9/2/94	1000	9840	5580	0.19	16.33	9/9/94	800	19800	15540	-0.13	16.1884
9/2/94	1100	9900	5640	0.21	16.34	9/9/94	900	19860	15600	-0.05	16.2195
						9/9/94	1000	19920	15660	-0.20	16.1548
						9/9/94	1100	19980	15720	-0.57	15.9942
						9/9/94	1200	20040	15780	-0.07	16.2117
						9/9/94	1300	20100	15840	-0.16	16.1729
						9/9/94	1400	20160	15900	-0.33	16.1004
						9/9/94	1500	20220	15960	-0.18	16.1651
						9/9/94	1600	20280	16020	-0.17	16.1703
						9/9/94	1700	20340	16080	-0.19	16.1625
						9/9/94	1800	20400	16140	-10.87	11.5377
						9/9/94	1900	20460	16200	-6.39	13.4771
						9/9/94	2000	20520	16260	-0.17	16.1703
						9/9/94	2100	20580	16320	-0.17	16.1703
						9/9/94	2200	20640	16380	-0.19	16.16
						9/9/94	2300	20700	16440	-0.14	16.1807
						9/10/94	0	20760	16500	-0.16	16.1729
						9/10/94	100	20820	16560	-0.13	16.1884
						9/10/94	200	20880	16620	-0.20	16.1548
						9/10/94	300	20940	16680	-0.16	16.1755
						9/10/94	400	21000	16740	-0.13	16.1884
						9/10/94	500	21060	16800	-0.11	16.1936
						9/10/94	600	21120	16860	-0.72	15.9319
						9/10/94	700	21180	16920	-0.09	16.2039
						9/10/94	800	21240	16980	-1.45	15.6149
						9/10/94	900	21300	17040	-1.16	15.7398
						9/10/94	1000	21360	17100	-0.15	16.1781
						9/10/94	1100	21420	17160	-4.02	14.502

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
						9/10/94	1200	21480	17220	-0.08	16.2091
						9/10/94	1300	21540	17280	-0.13	16.1884
						9/10/94	1400	21600	17340	-0.15	16.1781
						9/10/94	1500	21660	17400	-0.14	16.1833
						9/10/94	1600	21720	17460	-0.11	16.1936
						9/10/94	1700	21780	17520	-0.12	16.191
						9/10/94	1800	21840	17580	-0.11	16.1936
						9/10/94	1900	21900	17640	-0.13	16.1884
						9/10/94	2000	21960	17700	-11.90	11.0911
						9/10/94	2100	22020	17760	-0.17	16.1677
						9/10/94	2200	22080	17820	-0.11	16.1962
						9/10/94	2300	22140	17880	-0.32	16.1056
						9/11/94	0	22200	17940	-0.11	16.1962
						9/11/94	100	22260	18000	-2.37	15.2184
						9/11/94	200	22320	18060	-0.05	16.222
						9/11/94	300	22380	18120	-0.05	16.222
						9/11/94	400	22440	18180	-0.03	16.2298
						9/11/94	500	22500	18240	-0.04	16.2272
						9/11/94	600	22560	18300	-0.05	16.222
						9/11/94	700	22620	18360	0.00	16.2428
						9/11/94	800	22680	18420	-0.06	16.2169
						9/11/94	900	22740	18480	-1.20	15.7242
						9/11/94	1000	22800	18540	-2.86	15.0038
						9/11/94	1100	22860	18600	-0.05	16.2195
						9/11/94	1200	22920	18660	-0.59	15.9891
						9/11/94	1300	22980	18720	-9.40	12.1741
						9/11/94	1400	23040	18780	-0.11	16.1962
						9/11/94	1500	23100	18840	-0.36	16.0849
						9/11/94	1600	23160	18900	-0.12	16.191
						9/11/94	1700	23220	18960	-0.19	16.1625
						9/11/94	1800	23280	19020	-0.15	16.1781
						9/11/94	1900	23340	19080	-0.44	16.0538
						9/11/94	2000	23400	19140	-0.17	16.1703
						9/11/94	2100	23460	19200	-0.13	16.1858
						9/11/94	2200	23520	19260	-0.09	16.2039
						9/11/94	2300	23580	19320	-0.04	16.2246
						9/12/94	0	23640	19380	-0.15	16.1781
						9/12/94	100	23700	19440	-0.05	16.222
						9/12/94	200	23760	19500	-0.07	16.2143
						9/12/94	300	23820	19560	-0.05	16.222
						9/12/94	400	23880	19620	-0.05	16.222
						9/12/94	500	23940	19680	-0.04	16.2272
						9/12/94	600	24000	19740	-0.02	16.2324
						9/12/94	700	24060	19800	-0.29	16.1186
						9/12/94	800	24120	19860	-0.01	16.2402
						9/12/94	900	24180	19920	0.02	16.2531

GULLEDGE MONITORING WELL

Emery & Garrett Groundwater, Inc.

PUMPING TEST DATA SHEET FOR GULLEDGE DOMESTIC WELL

PROJECT: New Baltimore, Virginia
SUBCONTRACTOR: Valley Drilling
PUMPING WELL (S): E-1, E-6, E-7

MONITORING WELL: Gulledge Well
STATIC WATER LEVEL: NA
MAXIMUM DRAWDOWN: NA
MEASURING POINT: NA

	Date	Hour	Minute
Start of Pumping:	8/29/94	13	0
Start of Recovery:	9/2/94	12	0

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
8/25/94	1200	0	-5820	0	49.49	9/2/94	1200	11520	5700	-10.28	39.21
8/25/94	1300	60	-5760	-0.03	49.46	9/2/94	1230	11550	5730	-9.85	39.64
8/25/94	1400	120	-5700	-0.04	49.45	9/2/94	1300	11580	5760	-9.13	40.36
8/25/94	1500	180	-5640	-0.73	48.76	9/2/94	1330	11610	5790	-8.49	41
8/25/94	1600	240	-5580	-0.36	49.13	9/2/94	1400	11640	5820	-7.87	41.62
8/25/94	1700	300	-5520	-0.17	49.32	9/2/94	1430	11670	5850	-7.34	42.15
8/25/94	1800	360	-5460	-0.13	49.36	9/2/94	1500	11700	5880	-6.9	42.59
8/25/94	1900	420	-5400	-0.12	49.37	9/2/94	1530	11730	5910	-6.52	42.97
8/25/94	2000	480	-5340	-0.12	49.37	9/2/94	1600	11760	5940	-6.2	43.29
8/25/94	2100	540	-5280	-0.2	49.29	9/2/94	1630	11790	5970	-6.03	43.46
8/25/94	2200	600	-5220	-0.14	49.35	9/2/94	1700	11820	6000	-5.7	43.79
8/25/94	2300	660	-5160	-0.42	49.07	9/2/94	1730	11850	6030	-5.5	43.99
8/26/94	0	720	-5100	-0.2	49.29	9/2/94	1800	11880	6060	-5.31	44.18
8/26/94	100	780	-5040	-1.34	48.15	9/2/94	1830	11910	6090	-5.16	44.33
8/26/94	200	840	-4980	-0.22	49.27	9/2/94	1900	11940	6120	-5.01	44.48
8/26/94	300	900	-4920	-1.35	48.14	9/2/94	1930	11970	6150	-4.87	44.62
8/26/94	400	960	-4860	-0.22	49.27	9/2/94	2000	12000	6180	-4.75	44.74
8/26/94	500	1020	-4800	-0.19	49.3	9/2/94	2030	12030	6210	-4.63	44.86
8/26/94	600	1080	-4740	-0.19	49.3	9/2/94	2100	12060	6240	-6.31	43.18
8/26/94	700	1140	-4680	-0.17	49.32	9/2/94	2130	12090	6270	-4.49	45
8/26/94	800	1200	-4620	-0.94	48.55	9/2/94	2200	12120	6300	-4.4	45.09
8/26/94	900	1260	-4560	-0.45	49.04	9/2/94	2230	12150	6330	-4.29	45.2
8/26/94	1000	1320	-4500	-1.15	48.34	9/2/94	2300	12180	6360	-4.21	45.28
8/26/94	1100	1380	-4440	-3.14	46.35	9/2/94	2330	12210	6390	-4.2	45.29
8/26/94	1200	1440	-4380	-4.55	44.94	9/3/94	0	12240	6420	-4.07	45.42
8/26/94	1300	1500	-4320	-3.51	45.98	9/3/94	30	12270	6450	-3.99	45.5
8/26/94	1400	1560	-4260	-2.49	47	9/3/94	100	12300	6480	-3.91	45.58
8/26/94	1430	1590	-4230	-2.07	47.42	9/3/94	130	12330	6510	-3.85	45.64
8/26/94	1500	1620	-4200	-1.8	47.69	9/3/94	200	12360	6540	-3.79	45.7
8/26/94	1530	1650	-4170	-2.32	47.17	9/3/94	230	12390	6570	-3.75	45.74
8/26/94	1600	1680	-4140	-1.5	47.99	9/3/94	300	12420	6600	-3.69	45.8
8/26/94	1630	1710	-4110	-1.26	48.23	9/3/94	330	12450	6630	-3.63	45.86
8/26/94	1700	1740	-4080	-1.12	48.37	9/3/94	400	12480	6660	-3.6	45.89
8/26/94	1730	1770	-4050	-0.99	48.5	9/3/94	430	12510	6690	-3.57	45.92
8/26/94	1800	1800	-4020	-1.67	47.82	9/3/94	500	12540	6720	-3.52	45.97
8/26/94	1830	1830	-3990	-2.13	47.36	9/3/94	530	12570	6750	-3.49	46
8/26/94	1900	1860	-3960	-0.84	48.65	9/3/94	600	12600	6780	-3.46	46.03
8/26/94	1930	1890	-3930	-0.74	48.75	9/3/94	630	12630	6810	-3.44	46.05
8/26/94	2000	1920	-3900	-0.76	48.73	9/3/94	700	12660	6840	-3.4	46.09
8/26/94	2030	1950	-3870	-0.66	48.83	9/3/94	730	12690	6870	-3.38	46.11
8/26/94	2100	1980	-3840	-1.14	48.35	9/3/94	800	12720	6900	-3.35	46.14
8/26/94	2130	2010	-3810	-0.64	48.85	9/3/94	830	12750	6930	-3.55	45.94
8/26/94	2200	2040	-3780	-0.58	48.91	9/3/94	900	12780	6960	-3.72	45.77
8/26/94	2230	2070	-3750	-0.54	48.95	9/3/94	930	12810	6990	-3.36	46.13
8/26/94	2300	2100	-3720	-0.83	48.66	9/3/94	1000	12840	7020	-4.75	44.74
8/26/94	2330	2130	-3690	-0.61	48.88	9/3/94	1030	12870	7050	-4.12	45.37
8/27/94	0	2160	-3660	-0.56	48.93	9/3/94	1100	12900	7080	-3.5	45.99
8/27/94	30	2190	-3630	-0.54	48.95	9/3/94	1130	12930	7110	-4.62	44.87
8/27/94	100	2220	-3600	-0.54	48.95	9/3/94	1200	12960	7140	-3.91	45.58
8/27/94	130	2250	-3570	-0.52	48.97	9/3/94	1230	12990	7170	-3.7	45.79
8/27/94	200	2280	-3540	-0.53	48.96	9/3/94	1300	13020	7200	-3.65	45.84
8/27/94	230	2310	-3510	-0.51	48.98	9/3/94	1330	13050	7230	-3.28	46.21
8/27/94	300	2340	-3480	-0.51	48.98	9/3/94	1400	13080	7260	-3.91	45.58
8/27/94	330	2370	-3450	-0.5	48.99	9/3/94	1430	13110	7290	-3.61	45.88
8/27/94	400	2400	-3420	-0.49	49	9/3/94	1500	13140	7320	-4.36	45.13
8/27/94	430	2430	-3390	-0.49	49	9/3/94	1530	13170	7350	-3.99	45.5
8/27/94	500	2460	-3360	-0.48	49.01	9/3/94	1600	13200	7380	-3.39	46.1
8/27/94	530	2490	-3330	-0.46	49.03	9/3/94	1630	13230	7410	-3.13	46.36
8/27/94	600	2520	-3300	-0.45	49.04	9/3/94	1700	13260	7440	-3.12	46.37
8/27/94	630	2550	-3270	-0.44	49.05	9/3/94	1730	13290	7470	-3.06	46.43
8/27/94	700	2580	-3240	-0.43	49.06	9/3/94	1800	13320	7500	-2.95	46.54
8/27/94	730	2610	-3210	-0.42	49.07	9/3/94	1830	13350	7530	-2.91	46.58
8/27/94	800	2640	-3180	-1.49	48	9/3/94	1900	13380	7560	-2.88	46.61
8/27/94	830	2670	-3150	-0.45	49.04	9/3/94	1930	13410	7590	-2.85	46.64
8/27/94	900	2700	-3120	-0.43	49.06	9/3/94	2000	13440	7620	-2.83	46.66
8/27/94	930	2730	-3090	-1.1	48.39	9/3/94	2030	13470	7650	-2.81	46.68
8/27/94	1000	2760	-3060	-0.92	48.57	9/3/94	2100	13500	7680	-2.79	46.7
8/27/94	1030	2790	-3030	-0.61	48.88	9/3/94	2130	13530	7710	-2.79	46.7
8/27/94	1100	2820	-3000	-10.2	39.29	9/3/94	2200	13560	7740	-2.76	46.73
8/27/94	1130	2850	-2970	-4.32	45.17	9/3/94	2230	13590	7770	-2.75	46.74
8/27/94	1200	2880	-2940	-1.6	47.89	9/3/94	2300	13620	7800	-2.73	46.76
8/27/94	1230	2910	-2910	-3.78	45.71	9/3/94	2330	13650	7830	-2.7	46.79
8/27/94	1300	2940	-2880	-1.58	47.91	9/4/94	0	13680	7860	-2.69	46.8
8/27/94	1330	2970	-2850	-0.66	48.83	9/4/94	30	13710	7890	-2.73	46.76
8/27/94	1400	3000	-2820	-0.5	48.99	9/4/94	100	13740	7920	-2.66	46.83
8/27/94	1430	3030	-2790	-1.58	47.91	9/4/94	130	13770	7950	-2.79	46.7
8/27/94	1500	3060	-2760	-1.03	48.46	9/4/94	200	13800	7980	-2.59	46.9
8/27/94	1530	3090	-2730	-0.55	48.94	9/4/94	230	13830	8010	-2.58	46.91
8/27/94	1600	3120	-2700	-0.42	49.07	9/4/94	300	13860	8040	-2.56	46.93
8/27/94	1630	3150	-2670	-1.22	48.27	9/4/94	330	13890	8070	-2.54	46.95
8/27/94	1700	3180	-2640	-0.52	48.97	9/4/94	400	13920	8100	-2.52	46.97
8/27/94	1730	3210	-2610	-0.41	49.08	9/4/94	430	13950	8130	-2.51	46.98
8/27/94	1800	3240	-2580	-0.52	48.97	9/4/94	500	13980	8160	-2.51	46.98
8/27/94	1830	3270	-2550	-0.35	49.14	9/4/94	530	14010	8190	-2.5	46.99
8/27/94	1900	3300	-2520	-0.31	49.18	9/4/94	600	14040	8220	-2.48	47.01
8/27/94	1930	3330	-2490	-0.29	49.2	9/4/94	630	14070	8250	-2.47	47.02
8/27/94	2000	3360	-2460	-0.28	49.21	9/4/94	700	14100	8280	-2.46	47.03
8/27/94	2030	3390	-2430	-0.48	49.01	9/4/94	730	14130	8310	-2.45	47.04
8/27/94	2100	3420	-2400	-0.5	48.99	9/4/94	800	14160	8340	-2.73	46.76
8/27/94	2130	3450	-2370	-0.37	49.12	9/4/94	830	14190	8370	-2.48	47.01

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Genkon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Genkon Reading	Date	24 Hour Time Hour/Min.	Genkon Cum Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Genkon Reading
8/27/94	2200	3480	-2340	-0.27	49.22	9/4/94	900	14220	8400	-2.46	47.03
8/27/94	2230	3510	-2310	-0.26	49.23	9/4/94	930	14250	8430	-2.51	46.98
8/27/94	2300	3540	-2280	-0.26	49.23	9/4/94	1000	14280	8460	-3.02	46.47
8/27/94	2330	3570	-2250	-0.26	49.23	9/4/94	1030	14310	8490	-2.48	47.01
8/28/94	0	3600	-2220	-0.4	49.09	9/4/94	1100	14340	8520	-2.43	47.06
8/28/94	30	3630	-2190	-0.3	49.19	9/4/94	1130	14370	8550	-2.5	46.99
8/28/94	100	3660	-2160	-0.29	49.2	9/4/94	1200	14400	8580	-2.44	47.05
8/28/94	130	3690	-2130	-0.29	49.2	9/4/94	1230	14430	8610	-2.51	46.98
8/28/94	200	3720	-2100	-0.3	49.19	9/4/94	1300	14460	8640	-2.82	46.67
8/28/94	230	3750	-2070	-0.31	49.18	9/4/94	1330	14490	8670	-2.41	47.08
8/28/94	300	3780	-2040	-0.31	49.18	9/4/94	1400	14520	8700	-2.35	47.14
8/28/94	330	3810	-2010	-0.3	49.19	9/4/94	1430	14550	8730	-2.32	47.17
8/28/94	400	3840	-1980	-0.31	49.18	9/4/94	1500	14580	8760	-2.35	47.14
8/28/94	430	3870	-1950	-0.3	49.19	9/4/94	1530	14610	8790	-3.6	45.89
8/28/94	500	3900	-1920	-0.3	49.19	9/4/94	1600	14640	8820	-2.33	47.16
8/28/94	530	3930	-1890	-0.29	49.2	9/4/94	1630	14670	8850	-2.27	47.22
8/28/94	600	3960	-1860	-0.29	49.2	9/4/94	1700	14700	8880	-2.24	47.25
8/28/94	630	3990	-1830	-0.29	49.2	9/4/94	1730	14730	8910	-2.23	47.26
8/28/94	700	4020	-1800	-0.28	49.21	9/4/94	1800	14760	8940	-2.21	47.28
8/28/94	730	4050	-1770	-0.27	49.22	9/4/94	1830	14790	8970	-7.21	42.28
8/28/94	800	4080	-1740	-0.26	49.23	9/4/94	1900	14820	9000	-2.64	46.85
8/28/94	830	4110	-1710	-0.27	49.22	9/4/94	1930	14850	9030	-2.44	47.05
8/28/94	900	4140	-1680	-0.36	49.13	9/4/94	2000	14880	9060	-6.55	42.94
8/28/94	930	4170	-1650	-0.74	48.75	9/4/94	2030	14910	9090	-2.76	46.73
8/28/94	1000	4200	-1620	-0.31	49.18	9/4/94	2100	14940	9120	-2.47	47.02
8/28/94	1030	4230	-1590	-0.54	48.95	9/4/94	2130	14970	9150	-2.37	47.12
8/28/94	1100	4260	-1560	-0.83	48.66	9/4/94	2200	15000	9180	-2.29	47.2
8/28/94	1130	4290	-1530	-0.79	48.7	9/4/94	2230	15030	9210	-2.25	47.24
8/28/94	1200	4320	-1500	-0.51	48.98	9/4/94	2300	15060	9240	-2.23	47.26
8/28/94	1230	4350	-1470	-0.39	49.1	9/4/94	2330	15090	9270	-2.28	47.21
8/28/94	1300	4380	-1440	-0.36	49.13	9/5/94	0	15120	9300	-2.22	47.27
8/28/94	1330	4410	-1410	-0.37	49.12	9/5/94	30	15150	9330	-2.42	47.07
8/28/94	1400	4440	-1380	-0.58	48.91	9/5/94	100	15180	9360	-2.19	47.3
8/28/94	1430	4470	-1350	-0.42	49.07	9/5/94	130	15210	9390	-2.16	47.33
8/28/94	1500	4500	-1320	-0.4	49.09	9/5/94	200	15240	9420	-2.13	47.36
8/28/94	1530	4530	-1290	-1.55	47.94	9/5/94	230	15270	9450	-2.12	47.37
8/28/94	1600	4560	-1260	-2.46	47.03	9/5/94	300	15300	9480	-2.1	47.39
8/28/94	1630	4590	-1230	-0.92	48.57	9/5/94	330	15330	9510	-2.08	47.41
8/28/94	1700	4620	-1200	-0.51	48.98	9/5/94	400	15360	9540	-2.07	47.42
8/28/94	1730	4650	-1170	-0.47	49.02	9/5/94	430	15390	9570	-2.06	47.43
8/28/94	1800	4680	-1140	-0.71	48.78	9/5/94	500	15420	9600	-2.04	47.45
8/28/94	1830	4710	-1110	-0.63	48.86	9/5/94	530	15450	9630	-2.04	47.45
8/28/94	1900	4740	-1080	-0.5	48.99	9/5/94	600	15480	9660	-2.02	47.47
8/28/94	1930	4770	-1050	-0.52	48.97	9/5/94	630	15510	9690	-2.02	47.47
8/28/94	2000	4800	-1020	-2	47.49	9/5/94	700	15540	9720	-2.01	47.48
8/28/94	2030	4830	-990	-0.7	48.79	9/5/94	730	15570	9750	-2	47.49
8/28/94	2100	4860	-960	-0.54	48.95	9/5/94	800	15600	9780	-2	47.49
8/28/94	2130	4890	-930	-0.5	48.99	9/5/94	830	15630	9810	-2.16	47.33
8/28/94	2200	4920	-900	-0.87	48.62	9/5/94	900	15660	9840	-2.92	46.57
8/28/94	2230	4950	-870	-0.57	48.92	9/5/94	930	15690	9870	-2.12	47.37
8/28/94	2300	4980	-840	-0.51	48.98	9/5/94	1000	15720	9900	-2.16	47.33
8/28/94	2330	5010	-810	-0.5	48.99	9/5/94	1030	15750	9930	-2.1	47.39
8/29/94	0	5040	-780	-0.5	48.99	9/5/94	1100	15780	9960	-2.07	47.42
8/29/94	30	5070	-750	-0.5	48.99	9/5/94	1130	15810	9990	-2.33	47.16
8/29/94	100	5100	-720	-0.49	49	9/5/94	1200	15840	10020	-2.09	47.4
8/29/94	130	5130	-690	-0.49	49	9/5/94	1230	15870	10050	-2.4	47.09
8/29/94	200	5160	-660	-0.5	48.99	9/5/94	1300	15900	10080	-2.26	47.23
8/29/94	230	5190	-630	-0.5	48.99	9/5/94	1330	15930	10110	-2.43	47.06
8/29/94	300	5220	-600	-0.51	48.98	9/5/94	1400	15960	10140	-2.26	47.23
8/29/94	330	5250	-570	-0.53	48.96	9/5/94	1430	15990	10170	-2.11	47.38
8/29/94	400	5280	-540	-0.53	48.96	9/5/94	1500	16020	10200	-2.09	47.4
8/29/94	430	5310	-510	-0.54	48.95	9/5/94	1530	16050	10230	-2.41	47.08
8/29/94	500	5340	-480	-0.53	48.96	9/5/94	1600	16080	10260	-2.18	47.31
8/29/94	530	5370	-450	-0.55	48.94	9/5/94	1630	16110	10290	-2.53	46.96
8/29/94	600	5400	-420	-0.54	48.95	9/5/94	1700	16140	10320	-2.14	47.35
8/29/94	630	5430	-390	-0.54	48.95	9/5/94	1730	16170	10350	-2.04	47.45
8/29/94	700	5460	-360	-0.53	48.96	9/5/94	1800	16200	10380	-2.01	47.48
8/29/94	730	5490	-330	-1.02	48.47	9/5/94	1830	16230	10410	-1.99	47.5
8/29/94	800	5520	-300	-0.73	48.76	9/5/94	1900	16260	10440	-1.98	47.51
8/29/94	830	5550	-270	-0.82	48.67	9/5/94	1930	16290	10470	-1.97	47.52
8/29/94	900	5580	-240	-0.59	48.9	9/5/94	2000	16320	10500	-2.38	47.11
8/29/94	930	5610	-210	-0.56	48.93	9/5/94	2030	16350	10530	-2.09	47.4
8/29/94	1000	5640	-180	-0.54	48.95	9/5/94	2100	16380	10560	-2.03	47.46
8/29/94	1030	5670	-150	-0.54	48.95	9/5/94	2130	16410	10590	-2.01	47.48
8/29/94	1100	5700	-120	-0.61	48.88	9/5/94	2200	16440	10620	-2.09	47.4
8/29/94	1130	5730	-90	-0.58	48.91	9/5/94	2230	16470	10650	-2.03	47.46
8/29/94	1200	5760	-60	-0.77	48.72	9/5/94	2300	16500	10680	-2.02	47.47
8/29/94	1230	5790	-30	-1.4	48.09	9/5/94	2330	16530	10710	-2.01	47.48
8/29/94	1300	5820	0	-0.79	48.7	9/6/94	0	16560	10740	-2.1	47.39
8/29/94	1330	5850	30	-0.6	48.89	9/6/94	30	16590	10770	-2	47.49
8/29/94	1400	5880	60	-0.59	48.9	9/6/94	100	16620	10800	-1.99	47.5
8/29/94	1430	5910	90	-0.55	48.94	9/6/94	130	16650	10830	-1.98	47.51
8/29/94	1500	5940	120	-0.54	48.95	9/6/94	200	16680	10860	-1.96	47.53
8/29/94	1530	5970	150	-0.54	48.95	9/6/94	230	16710	10890	-1.95	47.54
8/29/94	1600	6000	180	-0.55	48.94	9/6/94	300	16740	10920	-1.93	47.56
8/29/94	1630	6030	210	-0.7	48.79	9/6/94	330	16770	10950	-1.92	47.57
8/29/94	1700	6060	240	-0.63	48.86	9/6/94	400	16800	10980	-1.91	47.58
8/29/94	1730	6090	270	-1.06	48.43	9/6/94	430	16830	11010	-1.9	47.59
8/29/94	1800	6120	300	-0.91	48.58	9/6/94	500	16860	11040	-1.88	47.61
8/29/94	1830	6150	330	-2.14	47.35	9/6/94	530	16890	11070	-1.88	47.61
8/29/94	1900	6180	360	-3.31	46.18	9/6/94	600	16920	11100	-1.87	47.62
8/29/94	1930	6210	390	-4.3	45.19	9/6/94	630	16950	11130	-1.87	47.62
8/29/94	2000	6240	420	-5.4	44.09	9/6/94	700	16980	11160	-1.87	47.62
8/29/94	2030	6270	450	-5.57	43.92	9/6/94	730	17010	11190	-1.87	47.62
8/29/94	2100	6300	480	-5.87	43.62	9/6/94	800	17040	11220	-1.88	47.61
8/29/94	2130	6330	510	-6.14	43.35	9/6/94	830	17070	11250	-2.52	46.97
8/29/94	2200	6360	540	-6.85	42.64	9/6/94	900	17100	11280	-2.02	47.47
8/29/94	2230	6390	570	-7	42.49	9/6/94	930	17130	11310	-2.68	46.81
8/29/94	2300	6420	600	-7.03	42.46	9/6/94	1000	17160	11340	-2	47.49
8/29/94	2330	6450	630	-6.96	42.53	9/6/94	1030	17190	11370	-2.16	47.33
8/30/94	0	6480	660	-7.04	42.45	9/6/94	1100	17220	11400	-2.26	47.23
8/30/94	30	6510	690	-7.13	42.36	9/6/94	1130	17250	11430	-1.99	47.5

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
8/30/94	100	6540	720	-7.22	42.27	9/6/94	1200	17280	11460	-1.96	47.53
8/30/94	130	6570	750	-7.3	42.19	9/6/94	1230	17310	11490	-1.95	47.54
8/30/94	200	6600	780	-7.37	42.12	9/6/94	1300	17340	11520	-1.93	47.56
8/30/94	230	6630	810	-7.43	42.06	9/6/94	1330	17370	11550	-1.92	47.57
8/30/94	300	6660	840	-7.5	41.99	9/6/94	1400	17400	11580	-1.91	47.58
8/30/94	330	6690	870	-7.56	41.93	9/6/94	1430	17430	11610	-1.89	47.6
8/30/94	400	6720	900	-7.61	41.88	9/6/94	1500	17460	11640	-1.88	47.61
8/30/94	430	6750	930	-7.65	41.84	9/6/94	1530	17490	11670	-1.87	47.62
8/30/94	500	6780	960	-7.69	41.8	9/6/94	1600	17520	11700	-1.86	47.63
8/30/94	530	6810	990	-7.73	41.76	9/6/94	1630	17550	11730	-1.86	47.63
8/30/94	600	6840	1020	-7.76	41.73	9/6/94	1700	17580	11760	-1.85	47.64
8/30/94	630	6870	1050	-7.78	41.71	9/6/94	1730	17610	11790	-1.84	47.65
8/30/94	700	6900	1080	-7.79	41.7	9/6/94	1800	17640	11820	-1.83	47.66
8/30/94	730	6930	1110	-8.26	41.23	9/6/94	1830	17670	11850	-1.83	47.66
8/30/94	800	6960	1140	-7.91	41.58	9/6/94	1900	17700	11880	-1.83	47.66
8/30/94	830	6990	1170	-8.06	41.43	9/6/94	1930	17730	11910	-1.82	47.67
8/30/94	900	7020	1200	-7.98	41.51	9/6/94	2000	17760	11940	-1.83	47.66
8/30/94	930	7050	1230	-7.98	41.51	9/6/94	2030	17790	11970	-1.83	47.66
8/30/94	1000	7080	1260	-8.06	41.43	9/6/94	2100	17820	12000	-1.83	47.66
8/30/94	1030	7110	1290	-8.25	41.24	9/6/94	2130	17850	12030	-1.84	47.65
8/30/94	1100	7140	1320	-8.05	41.44	9/6/94	2200	17880	12060	-2.04	47.45
8/30/94	1130	7170	1350	-8.21	41.28	9/6/94	2230	17910	12090	-1.9	47.59
8/30/94	1200	7200	1380	-8.12	41.37	9/6/94	2300	17940	12120	-1.88	47.61
8/30/94	1230	7230	1410	-8.46	41.03	9/6/94	2330	17970	12150	-1.98	47.51
8/30/94	1300	7260	1440	-8.18	41.31	9/7/94	0	18000	12180	-1.9	47.59
8/30/94	1330	7290	1470	-8.17	41.32	9/7/94	30	18030	12210	-3.02	46.47
8/30/94	1400	7320	1500	-8.21	41.28	9/7/94	100	18060	12240	-1.85	47.64
8/30/94	1430	7350	1530	-8.21	41.28	9/7/94	130	18090	12270	-1.83	47.66
8/30/94	1500	7380	1560	-8.27	41.22	9/7/94	200	18120	12300	-1.82	47.67
8/30/94	1530	7410	1590	-8.27	41.22	9/7/94	230	18150	12330	-1.82	47.67
8/30/94	1600	7440	1620	-8.28	41.21	9/7/94	300	18180	12360	-1.8	47.69
8/30/94	1630	7470	1650	-8.29	41.2	9/7/94	330	18210	12390	-1.78	47.71
8/30/94	1700	7500	1680	-8.33	41.16	9/7/94	400	18240	12420	-1.84	47.65
8/30/94	1730	7530	1710	-8.36	41.13	9/7/94	430	18270	12450	-1.76	47.73
8/30/94	1800	7560	1740	-9.18	40.31	9/7/94	500	18300	12480	-1.75	47.74
8/30/94	1830	7590	1770	-9.96	39.53	9/7/94	530	18330	12510	-1.73	47.76
8/30/94	1900	7620	1800	-8.82	40.67	9/7/94	600	18360	12540	-1.72	47.77
8/30/94	1930	7650	1830	-8.73	40.76	9/7/94	630	18390	12570	-1.71	47.78
8/30/94	2000	7680	1860	-10.42	39.07	9/7/94	700	18420	12600	-1.69	47.8
8/30/94	2030	7710	1890	-9.07	40.42	9/7/94	730	18450	12630	-2.08	47.41
8/30/94	2100	7740	1920	-9	40.49	9/7/94	800	18480	12660	-3.14	46.35
8/30/94	2130	7770	1950	-8.86	40.63	9/7/94	830	18510	12690	-1.83	47.66
8/30/94	2200	7800	1980	-8.85	40.64	9/7/94	900	18540	12720	-1.77	47.72
8/30/94	2230	7830	2010	-8.84	40.65	9/7/94	930	18570	12750	-1.76	47.73
8/30/94	2300	7860	2040	-9.77	39.72	9/7/94	1000	18600	12780	-1.75	47.74
8/30/94	2330	7890	2070	-9.01	40.48	9/7/94	1030	18630	12810	-1.75	47.74
8/31/94	0	7920	2100	-9.19	40.3	9/7/94	1100	18660	12840	-1.74	47.75
8/31/94	30	7950	2130	-8.95	40.54	9/7/94	1130	18690	12870	-1.75	47.74
8/31/94	100	7980	2160	-8.95	40.54	9/7/94	1200	18720	12900	-1.74	47.75
8/31/94	130	8010	2190	-8.96	40.53	9/7/94	1230	18750	12930	-1.75	47.74
8/31/94	200	8040	2220	-8.99	40.5	9/7/94	1300	18780	12960	-1.74	47.75
8/31/94	230	8070	2250	-9.01	40.48	9/7/94	1330	18810	12990	-1.75	47.74
8/31/94	300	8100	2280	-9.03	40.46	9/7/94	1400	18840	13020	-1.73	47.76
8/31/94	330	8130	2310	-9.07	40.42	9/7/94	1430	18870	13050	-1.73	47.76
8/31/94	400	8160	2340	-9.09	40.4	9/7/94	1500	18900	13080	-1.72	47.77
8/31/94	430	8190	2370	-9.12	40.37	9/7/94	1530	18930	13110	-1.7	47.79
8/31/94	500	8220	2400	-9.15	40.34	9/7/94	1600	18960	13140	-1.7	47.79
8/31/94	530	8250	2430	-9.17	40.32	9/7/94	1630	18990	13170	-1.7	47.79
8/31/94	600	8280	2460	-9.2	40.29	9/7/94	1700	19020	13200	-1.67	47.82
8/31/94	630	8310	2490	-9.21	40.28	9/7/94	1730	19050	13230	-1.66	47.83
8/31/94	700	8340	2520	-9.54	39.95	9/7/94	1800	19080	13260	-2.31	47.18
8/31/94	730	8370	2550	-9.34	40.15	9/7/94	1830	19110	13290	-1.71	47.78
8/31/94	800	8400	2580	-9.47	40.02	9/7/94	1900	19140	13320	-1.73	47.76
8/31/94	830	8430	2610	-9.36	40.13	9/7/94	1930	19170	13350	-1.66	47.83
8/31/94	900	8460	2640	-9.34	40.15	9/7/94	2000	19200	13380	-3.08	46.41
8/31/94	930	8490	2670	-9.34	40.15	9/7/94	2030	19230	13410	-2.07	47.42
8/31/94	1000	8520	2700	-9.35	40.14	9/7/94	2100	19260	13440	-1.7	47.79
8/31/94	1030	8550	2730	-9.34	40.15	9/7/94	2130	19290	13470	-1.67	47.82
8/31/94	1100	8580	2760	-9.35	40.14	9/7/94	2200	19320	13500	-1.66	47.83
8/31/94	1130	8610	2790	-9.35	40.14	9/7/94	2230	19350	13530	-1.65	47.84
8/31/94	1200	8640	2820	-9.37	40.12	9/7/94	2300	19380	13560	-2.22	47.27
8/31/94	1230	8670	2850	-9.39	40.1	9/7/94	2330	19410	13590	-1.69	47.8
8/31/94	1300	8700	2880	-9.41	40.08	9/8/94	0	19440	13620	-1.67	47.82
8/31/94	1330	8730	2910	-9.41	40.08	9/8/94	30	19470	13650	-1.66	47.83
8/31/94	1400	8760	2940	-9.42	40.07	9/8/94	100	19500	13680	-1.64	47.85
8/31/94	1430	8790	2970	-9.43	40.06	9/8/94	130	19530	13710	-1.64	47.85
8/31/94	1500	8820	3000	-9.46	40.03	9/8/94	200	19560	13740	-1.62	47.87
8/31/94	1530	8850	3030	-9.49	40	9/8/94	230	19590	13770	-1.63	47.86
8/31/94	1600	8880	3060	-9.51	39.98	9/8/94	300	19620	13800	-1.62	47.87
8/31/94	1630	8910	3090	-9.54	39.95	9/8/94	330	19650	13830	-1.59	47.9
8/31/94	1700	8940	3120	-9.56	39.93	9/8/94	400	19680	13860	-1.57	47.92
8/31/94	1730	8970	3150	-9.57	39.92	9/8/94	430	19710	13890	-1.56	47.93
8/31/94	1800	9000	3180	-9.59	39.9	9/8/94	500	19740	13920	-1.55	47.94
8/31/94	1830	9030	3210	-9.62	39.87	9/8/94	530	19770	13950	-1.54	47.95
8/31/94	1900	9060	3240	-9.62	39.87	9/8/94	600	19800	13980	-1.53	47.96
8/31/94	1930	9090	3270	-9.63	39.86	9/8/94	630	19830	14010	-1.53	47.96
8/31/94	2000	9120	3300	-9.63	39.86	9/8/94	700	19860	14040	-1.5	47.99
8/31/94	2030	9150	3330	-9.64	39.85	9/8/94	730	19890	14070	-2.25	47.24
8/31/94	2100	9180	3360	-9.64	39.85	9/8/94	800	19920	14100	-3.2	46.29
8/31/94	2130	9210	3390	-10.25	39.24	9/8/94	830	19950	14130	-1.62	47.87
8/31/94	2200	9240	3420	-9.83	39.66	9/8/94	900	19980	14160	-1.57	47.92
8/31/94	2230	9270	3450	-9.73	39.76	9/8/94	930	20010	14190	-1.55	47.94
8/31/94	2300	9300	3480	-9.72	39.77	9/8/94	1000	20040	14220	-1.54	47.95
8/31/94	2330	9330	3510	-9.7	39.79	9/8/94	1030	20070	14250	-1.53	47.96
9/1/94	0	9360	3540	-9.69	39.8	9/8/94	1100	20100	14280	-1.53	47.96
9/1/94	30	9390	3570	-9.69	39.8	9/8/94	1130	20130	14310	-1.54	47.95
9/1/94	100	9420	3600	-9.69	39.8	9/8/94	1200	20160	14340	-1.55	47.94
9/1/94	130	9450	3630	-9.71	39.78	9/8/94	1230	20190	14370	-1.56	47.93
9/1/94	200	9480	3660	-9.72	39.77	9/8/94	1300	20220	14400	-1.57	47.92
9/1/94	230	9510	3690	-9.73	39.76	9/8/94	1330	20250	14430	-1.56	47.93
9/1/94	300	9540	3720	-9.74	39.75	9/8/94	1400	20280	14460	-1.58	47.91
9/1/94	330	9570	3750	-9.75	39.74	9/8/94	1430	20310	14490	-1.57	47.92

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
9/1/94	400	9600	3780	-9.76	39.73	9/8/94	1500	20340	14520	-1.57	47.92
9/1/94	430	9630	3810	-9.78	39.71	9/8/94	1530	20370	14550	-1.57	47.92
9/1/94	500	9660	3840	-9.79	39.7	9/8/94	1600	20400	14580	-1.56	47.93
9/1/94	530	9690	3870	-9.79	39.7	9/8/94	1630	20430	14610	-1.55	47.94
9/1/94	600	9720	3900	-9.8	39.69	9/8/94	1700	20460	14640	-2.5	46.99
9/1/94	630	9750	3930	-9.79	39.7	9/8/94	1730	20490	14670	-2.22	47.27
9/1/94	700	9780	3960	-9.8	39.69	9/8/94	1800	20520	14700	-1.95	47.54
9/1/94	730	9810	3990	-9.81	39.68	9/8/94	1830	20550	14730	-3.27	46.22
9/1/94	800	9840	4020	-9.91	39.58	9/8/94	1900	20580	14760	-2.29	47.2
9/1/94	830	9870	4050	-9.85	39.64	9/8/94	1930	20610	14790	-2.04	47.45
9/1/94	900	9900	4080	-9.96	39.53	9/8/94	2000	20640	14820	-4.93	44.56
9/1/94	930	9930	4110	-9.86	39.63	9/8/94	2030	20670	14850	-1.97	47.52
9/1/94	1000	9960	4140	-9.84	39.65	9/8/94	2100	20700	14880	-1.82	47.67
9/1/94	1030	9990	4170	-9.84	39.65	9/8/94	2130	20730	14910	-4.65	44.84
9/1/94	1100	10020	4200	-9.91	39.58	9/8/94	2200	20760	14940	-1.9	47.59
9/1/94	1130	10050	4230	-9.86	39.63	9/8/94	2230	20790	14970	-2.38	47.11
9/1/94	1200	10080	4260	-9.87	39.62	9/8/94	2300	20820	15000	-3.17	46.32
9/1/94	1230	10110	4290	-10.09	39.4	9/8/94	2330	20850	15030	-1.89	47.6
9/1/94	1300	10140	4320	-10.01	39.48	9/9/94	0	20880	15060	-1.93	47.56
9/1/94	1330	10170	4350	-10.13	39.36	9/9/94	30	20910	15090	-1.73	47.76
9/1/94	1400	10200	4380	-9.9	39.59	9/9/94	100	20940	15120	-1.68	47.81
9/1/94	1430	10230	4410	-10.18	39.31	9/9/94	130	20970	15150	-1.67	47.82
9/1/94	1500	10260	4440	-9.92	39.57	9/9/94	200	21000	15180	-1.65	47.84
9/1/94	1530	10290	4470	-9.91	39.58	9/9/94	230	21030	15210	-1.64	47.85
9/1/94	1600	10320	4500	-9.91	39.58	9/9/94	300	21060	15240	-1.62	47.87
9/1/94	1630	10350	4530	-9.93	39.56	9/9/94	330	21090	15270	-1.61	47.88
9/1/94	1700	10380	4560	-9.98	39.51	9/9/94	400	21120	15300	-1.6	47.89
9/1/94	1730	10410	4590	-12.46	37.03	9/9/94	430	21150	15330	-1.59	47.9
9/1/94	1800	10440	4620	-12.46	37.03	9/9/94	500	21180	15360	-1.57	47.92
9/1/94	1830	10470	4650	-10.04	39.45	9/9/94	530	21210	15390	-1.56	47.93
9/1/94	1900	10500	4680	-10.1	39.39	9/9/94	600	21240	15420	-1.55	47.94
9/1/94	1930	10530	4710	-10.03	39.46	9/9/94	630	21270	15450	-1.54	47.95
9/1/94	2000	10560	4740	-10.03	39.46	9/9/94	700	21300	15480	-1.53	47.96
9/1/94	2030	10590	4770	-10.02	39.47	9/9/94	730	21330	15510	-2.67	46.82
9/1/94	2100	10620	4800	-10.02	39.47	9/9/94	800	21360	15540	-1.83	47.66
9/1/94	2130	10650	4830	-10.15	39.34	9/9/94	830	21390	15570	-1.58	47.91
9/1/94	2200	10680	4860	-10.06	39.43	9/9/94	900	21420	15600	-1.54	47.95
9/1/94	2230	10710	4890	-10.04	39.45	9/9/94	930	21450	15630	-1.53	47.96
9/1/94	2300	10740	4920	-10.07	39.42	9/9/94	1000	21480	15660	-1.52	47.97
9/1/94	2330	10770	4950	-10.04	39.45	9/9/94	1030	21510	15690	-1.53	47.96
9/2/94	0	10800	4980	-10.04	39.45	9/9/94	1100	21540	15720	-1.54	47.95
9/2/94	30	10830	5010	-10.03	39.46	9/9/94	1130	21570	15750	-1.55	47.94
9/2/94	100	10860	5040	-10.04	39.45	9/9/94	1200	21600	15780	-1.55	47.94
9/2/94	130	10890	5070	-10.03	39.46	9/9/94	1230	21630	15810	-1.56	47.93
9/2/94	200	10920	5100	-10.04	39.45	9/9/94	1300	21660	15840	-1.57	47.92
9/2/94	230	10950	5130	-10.05	39.44	9/9/94	1330	21690	15870	-1.58	47.91
9/2/94	300	10980	5160	-10.05	39.44	9/9/94	1400	21720	15900	-1.58	47.91
9/2/94	330	11010	5190	-10.06	39.43	9/9/94	1430	21750	15930	-1.6	47.89
9/2/94	400	11040	5220	-10.08	39.41	9/9/94	1500	21780	15960	-1.6	47.89
9/2/94	430	11070	5250	-10.09	39.4	9/9/94	1530	21810	15990	-1.61	47.88
9/2/94	500	11100	5280	-10.1	39.39	9/9/94	1600	21840	16020	-1.6	47.89
9/2/94	530	11130	5310	-10.1	39.39	9/9/94	1630	21870	16050	-1.6	47.89
9/2/94	600	11160	5340	-10.12	39.37	9/9/94	1700	21900	16080	-1.59	47.9
9/2/94	630	11190	5370	-10.11	39.38	9/9/94	1730	21930	16110	-1.59	47.9
9/2/94	700	11220	5400	-10.13	39.36	9/9/94	1800	21960	16140	-1.69	47.8
9/2/94	730	11250	5430	-10.14	39.35	9/9/94	1830	21990	16170	-1.61	47.88
9/2/94	800	11280	5460	-10.39	39.1	9/9/94	1900	22020	16200	-4.76	44.73
9/2/94	830	11310	5490	-10.49	39	9/9/94	1930	22050	16230	-1.9	47.59
9/2/94	900	11340	5520	-10.27	39.22	9/9/94	2000	22080	16260	-3.47	46.02
9/2/94	930	11370	5550	-10.23	39.26	9/9/94	2030	22110	16290	-2.65	46.84
9/2/94	1000	11400	5580	-10.22	39.27	9/9/94	2100	22140	16320	-1.84	47.65
9/2/94	1030	11430	5610	-10.21	39.28	9/9/94	2130	22170	16350	-1.7	47.79
9/2/94	1100	11460	5640	-10.53	38.96	9/9/94	2200	22200	16380	-1.66	47.83
9/2/94	1130	11490	5670	-10.71	38.78	9/9/94	2230	22230	16410	-1.76	47.73
						9/9/94	2300	22260	16440	-1.82	47.67
						9/9/94	2330	22290	16470	-1.65	47.84
						9/10/94	0	22320	16500	-1.63	47.86
						9/10/94	30	22350	16530	-1.62	47.87
						9/10/94	100	22380	16560	-1.61	47.88
						9/10/94	130	22410	16590	-1.61	47.88
						9/10/94	200	22440	16620	-1.61	47.88
						9/10/94	230	22470	16650	-1.61	47.88
						9/10/94	300	22500	16680	-1.6	47.89
						9/10/94	330	22530	16710	-1.6	47.89
						9/10/94	400	22560	16740	-1.58	47.91
						9/10/94	430	22590	16770	-1.57	47.92
						9/10/94	500	22620	16800	-1.55	47.94
						9/10/94	530	22650	16830	-1.53	47.96
						9/10/94	600	22680	16860	-1.52	47.97
						9/10/94	630	22710	16890	-1.51	47.98
						9/10/94	700	22740	16920	-1.62	47.87
						9/10/94	730	22770	16950	-1.51	47.98
						9/10/94	800	22800	16980	-1.82	47.67
						9/10/94	830	22830	17010	-1.52	47.97
						9/10/94	900	22860	17040	-1.86	47.63
						9/10/94	930	22890	17070	-1.77	47.72
						9/10/94	1000	22920	17100	-2	47.49
						9/10/94	1030	22950	17130	-1.66	47.83
						9/10/94	1100	22980	17160	-1.56	47.93
						9/10/94	1130	23010	17190	-1.53	47.96
						9/10/94	1200	23040	17220	-1.51	47.98
						9/10/94	1230	23070	17250	-1.51	47.98
						9/10/94	1300	23100	17280	-1.5	47.99
						9/10/94	1330	23130	17310	-1.52	47.97
						9/10/94	1400	23160	17340	-1.61	47.88
						9/10/94	1430	23190	17370	-1.55	47.94
						9/10/94	1500	23220	17400	-1.54	47.95
						9/10/94	1530	23250	17430	-1.68	47.81
						9/10/94	1600	23280	17460	-1.57	47.92
						9/10/94	1630	23310	17490	-1.7	47.79
						9/10/94	1700	23340	17520	-1.59	47.9
						9/10/94	1730	23370	17550	-1.55	47.94

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
						9/10/94	1800	23400	17580	-1.53	47.96
						9/10/94	1830	23430	17610	-1.53	47.96
						9/10/94	1900	23460	17640	-1.52	47.97
						9/10/94	1930	23490	17670	-1.49	48
						9/10/94	2000	23520	17700	-1.48	48.01
						9/10/94	2030	23550	17730	-1.48	48.01
						9/10/94	2100	23580	17760	-1.48	48.01
						9/10/94	2130	23610	17790	-1.47	48.02
						9/10/94	2200	23640	17820	-1.48	48.01
						9/10/94	2230	23670	17850	-1.48	48.01
						9/10/94	2300	23700	17880	-1.48	48.01
						9/10/94	2330	23730	17910	-1.47	48.02
						9/11/94	0	23760	17940	-1.49	48
						9/11/94	30	23790	17970	-1.92	47.57
						9/11/94	100	23820	18000	-1.55	47.94
						9/11/94	130	23850	18030	-1.53	47.96
						9/11/94	200	23880	18060	-1.52	47.97
						9/11/94	230	23910	18090	-1.51	47.98
						9/11/94	300	23940	18120	-1.51	47.98
						9/11/94	330	23970	18150	-1.5	47.99
						9/11/94	400	24000	18180	-1.49	48
						9/11/94	430	24030	18210	-1.48	48.01
						9/11/94	500	24060	18240	-1.47	48.02
						9/11/94	530	24090	18270	-1.47	48.02
						9/11/94	600	24120	18300	-1.44	48.05
						9/11/94	630	24150	18330	-1.43	48.06
						9/11/94	700	24180	18360	-1.42	48.07
						9/11/94	730	24210	18390	-1.4	48.09
						9/11/94	800	24240	18420	-1.64	47.85
						9/11/94	830	24270	18450	-1.77	47.72
						9/11/94	900	24300	18480	-1.51	47.98
						9/11/94	930	24330	18510	-1.47	48.02
						9/11/94	1000	24360	18540	-1.41	48.08
						9/11/94	1030	24390	18570	-2.98	46.51
						9/11/94	1100	24420	18600	-1.85	47.64
						9/11/94	1130	24450	18630	-1.58	47.91
						9/11/94	1200	24480	18660	-1.5	47.99
						9/11/94	1230	24510	18690	-1.47	48.02
						9/11/94	1300	24540	18720	-2.7	46.79
						9/11/94	1330	24570	18750	-1.47	48.02
						9/11/94	1400	24600	18780	-1.45	48.04
						9/11/94	1430	24630	18810	-1.77	47.72
						9/11/94	1500	24660	18840	-1.48	48.01
						9/11/94	1530	24690	18870	-1.46	48.03
						9/11/94	1600	24720	18900	-1.47	48.02
						9/11/94	1630	24750	18930	-1.47	48.02
						9/11/94	1700	24780	18960	-1.46	48.03
						9/11/94	1730	24810	18990	-1.75	47.74
						9/11/94	1800	24840	19020	-1.62	47.87
						9/11/94	1830	24870	19050	-9.14	40.35
						9/11/94	1900	24900	19080	-2.99	46.5
						9/11/94	1930	24930	19110	-4.86	44.63
						9/11/94	2000	24960	19140	-3.12	46.37
						9/11/94	2030	24990	19170	-1.85	47.64
						9/11/94	2100	25020	19200	-3.83	45.66
						9/11/94	2130	25050	19230	-2.42	47.07
						9/11/94	2200	25080	19260	-1.75	47.74
						9/11/94	2230	25110	19290	-1.6	47.89
						9/11/94	2300	25140	19320	-1.58	47.91
						9/11/94	2330	25170	19350	-1.5	47.99
						9/12/94	0	25200	19380	-1.47	48.02
						9/12/94	30	25230	19410	-1.45	48.04
						9/12/94	100	25260	19440	-1.44	48.05
						9/12/94	130	25290	19470	-1.45	48.04
						9/12/94	200	25320	19500	-1.44	48.05
						9/12/94	230	25350	19530	-1.44	48.05
						9/12/94	300	25380	19560	-1.44	48.05
						9/12/94	330	25410	19590	-1.44	48.05
						9/12/94	400	25440	19620	-1.44	48.05
						9/12/94	430	25470	19650	-1.43	48.06
						9/12/94	500	25500	19680	-1.43	48.06
						9/12/94	530	25530	19710	-1.43	48.06
						9/12/94	600	25560	19740	-1.41	48.08
						9/12/94	630	25590	19770	-1.4	48.09
						9/12/94	700	25620	19800	-1.39	48.1
						9/12/94	730	25650	19830	-1.62	47.87
						9/12/94	800	25680	19860	-1.85	47.64
						9/12/94	830	25710	19890	-1.48	48.01
						9/12/94	900	25740	19920	-1.4	48.09
						9/12/94	930	25770	19950	-1.38	48.11
						9/12/94	1000	25800	19980	-1.35	48.14
						9/12/94	1030	25830	20010	-1.35	48.14
						9/12/94	1100	25860	20040	-1.35	48.14
						9/12/94	1130	25890	20070	-1.34	48.15
						9/12/94	1200	25920	20100	-1.35	48.14
						9/12/94	1230	25950	20130	-1.35	48.14

IRRIGATION MONITORING WELL

Emery & Garrett Groundwater, Inc.

PUMPING TEST DATA SHEET IRRIGATION WELL

PROJECT: New Baltimore, Virginia
SUBCONTRACTOR: Valley Drilling
PUMPING WELL (S): E-1, E-6, & E-7

MONITORING WELL: Irrigation
STATIC WATER LEVEL: 8.85 feet
MAXIMUM DRAWDOWN: 3.07 feet
MEASURING POINT: Top of Casing

	Date	Hour	Minute
Start of Pumping:	8/29/94	13	0
Start of Recovery:	9/2/94	12	0

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time		Cum. Time	Water Level	Comments	Date	24 Hour Time		Cum. Time	Cum. Time	Water Level
	Hour	Minute	(minutes)	(feet)			Hour	Minute	t (minutes)	t' (minutes)	(feet)
8/29/94	10	15	-165	8.85	Static WL	9/2/94	12	22	5722	22	11.9
8/29/94	12	40	-20	8.85		9/2/94	12	27	5727	27	11.86
8/29/94	13	30	30	8.92		9/2/94	12	32	5732	32	11.84
8/29/94	14	15	75	9.07		9/2/94	12	42	5742	42	11.76
8/29/94	15	2	122	9.23		9/2/94	12	52	5752	52	11.68
8/29/94	15	55	175	9.31		9/2/94	13	2	5762	62	11.59
8/29/94	16	10	190	9.33		9/2/94	13	35	5795	95	11.35
8/29/94	16	27	207	9.35		9/2/94	14	5	5825	125	11.15
8/29/94	17	55	295	9.45		9/2/94	14	35	5855	155	11.02
8/29/94	18	5	305	9.46		9/2/94	15	20	5900	200	10.86
8/29/94	18	15	315	9.48		9/2/94	16	22	5962	262	10.67
8/29/94	18	25	325	9.5		9/2/94	17	16	6016	316	10.44
8/29/94	18	35	335	9.53		9/2/94	19	40	6160	460	10.26
8/29/94	19	25	385	9.7		9/2/94	22	4	6304	604	10.21
8/29/94	21	30	510	10.09		9/3/94	0	5	6425	725	10.12
8/29/94	23	50	650	10.47		9/3/94	7	14	6854	1154	9.92
8/30/94	5	11	971	10.58		9/3/94	9	52	7012	1312	9.88
8/30/94	7	47	1127	10.66		9/3/94	12	12	7152	1452	9.85
8/30/94	8	20	1160	10.68		9/3/94	14	41	7301	1601	9.8
8/30/94	10	40	1300	10.74		9/3/94	18	6	7506	1806	9.76
8/30/94	14	5	1505	10.82		9/4/94	7	2	8282	2582	9.65
8/30/94	16	35	1655	10.89		9/4/94	9	30	8430	2730	9.67
8/30/94	17	50	1730	10.94		9/4/94	12	36	8616	2916	9.63
8/30/94	21	7	1927	11.1							
8/30/94	23	30	2070	11.14							
8/31/94	6	35	2495	11.47							
8/31/94	9	12	2652	11.31							
8/31/94	10	45	2745	11.33							
8/31/94	13	12	2892	11.37							
8/31/94	17	20	3140	11.44							
8/31/94	20	25	3325	11.47							
9/1/94	7	0	3960	11.59							
9/1/94	11	5	4205	11.63							
9/1/94	13	50	4370	11.66							
9/1/94	16	25	4525	11.7							
9/1/94	20	24	4764	11.78							
9/2/94	6	20	5360	11.92	RECOVERY						

JAMISON DOMESTIC WELL

Emery & Garrett Groundwater, Inc.

PUMPING TEST DATA SHEET FOR JAMISON DOMESTIC WELL

PROJECT: New Baltimore, Virginia
SUBCONTRACTOR: Valley Drilling
PUMPING WELL (S): E-1, E-6, E-7

MONITORING WELL: Jamison Well
STATIC WATER LEVEL: NA
MAXIMUM DRAWDOWN: NA
MEASURING POINT: NA

	Date	Hour	Minute
Start of Pumping:	8/29/94	13	0
Start of Recovery:	9/2/94	12	0

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
8/24/94	1200	0	-7260	0.00	23.39	9/2/94	1200	12960	5700	-2.18	22.45
8/24/94	1300	60	-7200	0.10	23.44	9/2/94	1300	13020	5760	-0.45	23.20
8/24/94	1400	120	-7140	-6.03	20.78	9/2/94	1400	13080	5820	-0.79	23.05
8/24/94	1500	180	-7080	0.06	23.42	9/2/94	1500	13140	5880	-2.51	22.31
8/24/94	1600	240	-7020	0.18	23.47	9/2/94	1600	13200	5940	-7.37	20.20
8/24/94	1700	300	-6960	-0.13	23.34	9/2/94	1700	13260	6000	-11.69	18.33
8/24/94	1800	360	-6900	-0.42	23.21	9/2/94	1800	13320	6060	-1.33	22.82
8/24/94	1900	420	-6840	-9.84	19.13	9/2/94	1900	13380	6120	-1.23	22.86
8/24/94	2000	480	-6780	0.01	23.40	9/2/94	2000	13440	6180	-1.27	22.84
8/24/94	2100	540	-6720	0.15	23.46	9/2/94	2100	13500	6240	-7.08	20.33
8/24/94	2200	600	-6660	0.11	23.44	9/2/94	2200	13560	6300	-1.23	22.86
8/24/94	2300	660	-6600	0.09	23.43	9/2/94	2300	13620	6360	-0.74	23.07
8/25/94	0	720	-6540	-8.57	19.69	9/3/94	0	13680	6420	-0.51	23.18
8/25/94	100	780	-6480	-0.10	23.35	9/3/94	100	13740	6480	-0.53	23.17
8/25/94	200	840	-6420	-0.04	23.38	9/3/94	200	13800	6540	-0.33	23.25
8/25/94	300	900	-6360	0.08	23.43	9/3/94	300	13860	6600	-0.34	23.25
8/25/94	400	960	-6300	0.09	23.43	9/3/94	400	13920	6660	-0.26	23.28
8/25/94	500	1020	-6240	0.19	23.48	9/3/94	500	13980	6720	-0.26	23.28
8/25/94	600	1080	-6180	-0.15	23.33	9/3/94	600	14040	6780	-0.28	23.27
8/25/94	700	1140	-6120	0.09	23.43	9/3/94	700	14100	6840	-0.19	23.31
8/25/94	800	1200	-6060	0.14	23.45	9/3/94	800	14160	6900	-1.76	22.63
8/25/94	900	1260	-6000	-1.96	22.54	9/3/94	900	14220	6960	-0.39	23.23
8/25/94	1000	1320	-5940	-0.52	23.17	9/3/94	1000	14280	7020	-0.25	23.29
8/25/94	1100	1380	-5880	0.08	23.43	9/3/94	1100	14340	7080	-0.50	23.18
8/25/94	1200	1440	-5820	-0.06	23.37	9/3/94	1200	14400	7140	-0.26	23.28
8/25/94	1300	1500	-5760	-0.76	23.06	9/3/94	1300	14460	7200	-0.18	23.32
8/25/94	1400	1560	-5700	-1.27	22.84	9/3/94	1400	14520	7260	-0.18	23.32
8/25/94	1500	1620	-5640	-0.06	23.37	9/3/94	1500	14580	7320	-0.43	23.21
8/25/94	1600	1680	-5580	0.03	23.41	9/3/94	1600	14640	7380	-0.17	23.32
8/25/94	1700	1740	-5520	-0.10	23.35	9/3/94	1700	14700	7440	-0.18	23.32
8/25/94	1800	1800	-5460	-0.17	23.32	9/3/94	1800	14760	7500	-0.09	23.36
8/25/94	1900	1860	-5400	0.04	23.41	9/3/94	1900	14820	7560	-0.24	23.29
8/25/94	2000	1920	-5340	-0.25	23.29	9/3/94	2000	14880	7620	-0.28	23.27
8/25/94	2100	1980	-5280	-2.00	22.53	9/3/94	2100	14940	7680	-0.16	23.32
8/25/94	2200	2040	-5220	-0.57	23.15	9/3/94	2200	15000	7740	-0.11	23.35
8/25/94	2300	2100	-5160	-0.15	23.33	9/3/94	2300	15060	7800	-0.57	23.15
8/26/94	0	2160	-5100	-0.54	23.16	9/4/94	0	15120	7860	-0.36	23.24
8/26/94	100	2220	-5040	-2.29	22.40	9/4/94	100	15180	7920	-0.91	23.00
8/26/94	200	2280	-4980	-0.08	23.36	9/4/94	200	15240	7980	-0.20	23.31
8/26/94	300	2340	-4920	-0.01	23.39	9/4/94	300	15300	8040	-0.29	23.27
8/26/94	400	2400	-4860	0.00	23.39	9/4/94	400	15360	8100	-0.15	23.33
8/26/94	500	2460	-4800	-0.01	23.39	9/4/94	500	15420	8160	-0.28	23.27
8/26/94	600	2520	-4740	-14.53	17.10	9/4/94	600	15480	8220	-0.20	23.31
8/26/94	700	2580	-4680	-0.01	23.39	9/4/94	700	15540	8280	-0.19	23.31
8/26/94	800	2640	-4620	0.05	23.42	9/4/94	800	15600	8340	-0.10	23.35
8/26/94	900	2700	-4560	-0.16	23.32	9/4/94	900	15660	8400	-0.30	23.26
8/26/94	1000	2760	-4500	0.01	23.40	9/4/94	1000	15720	8460	-0.16	23.32
8/26/94	1100	2820	-4440	-0.01	23.39	9/4/94	1100	15780	8520	-0.17	23.32
8/26/94	1200	2880	-4380	0.14	23.45	9/4/94	1200	15840	8580	-0.20	23.31
8/26/94	1300	2940	-4320	0.03	23.41	9/4/94	1300	15900	8640	-0.28	23.27
8/26/94	1400	3000	-4260	-0.16	23.32	9/4/94	1400	15960	8700	-0.17	23.32
8/26/94	1500	3060	-4200	0.10	23.44	9/4/94	1500	16020	8760	-0.16	23.32
8/26/94	1600	3120	-4140	0.05	23.42	9/4/94	1600	16080	8820	-0.17	23.32
8/26/94	1700	3180	-4080	0.08	23.43	9/4/94	1700	16140	8880	-0.36	23.24
8/26/94	1800	3240	-4020	-0.06	23.37	9/4/94	1800	16200	8940	-0.55	23.16
8/26/94	1900	3300	-3960	-0.40	23.22	9/4/94	1900	16260	9000	-1.41	22.78
8/26/94	2000	3360	-3900	-0.12	23.34	9/4/94	2000	16320	9060	-0.40	23.22
8/26/94	2100	3420	-3840	0.15	23.46	9/4/94	2100	16380	9120	-0.42	23.21
8/26/94	2200	3480	-3780	0.00	23.39	9/4/94	2200	16440	9180	-0.26	23.28
8/26/94	2300	3540	-3720	0.03	23.41	9/4/94	2300	16500	9240	-0.46	23.19
8/27/94	0	3600	-3660	-0.16	23.32	9/5/94	0	16560	9300	-0.27	23.28
8/27/94	100	3660	-3600	-0.05	23.37	9/5/94	100	16620	9360	-0.29	23.27
8/27/94	200	3720	-3540	0.12	23.45	9/5/94	200	16680	9420	-0.20	23.31
8/27/94	300	3780	-3480	0.01	23.40	9/5/94	300	16740	9480	-0.22	23.30
8/27/94	400	3840	-3420	-0.01	23.39	9/5/94	400	16800	9540	-0.32	23.25
8/27/94	500	3900	-3360	-0.04	23.38	9/5/94	500	16860	9600	-0.29	23.27
8/27/94	600	3960	-3300	0.15	23.46	9/5/94	600	16920	9660	-0.19	23.31
8/27/94	700	4020	-3240	0.09	23.43	9/5/94	700	16980	9720	-0.27	23.28
8/27/94	800	4080	-3180	0.11	23.44	9/5/94	800	17040	9780	-0.34	23.25
8/27/94	900	4140	-3120	0.10	23.44	9/5/94	900	17100	9840	-0.31	23.26
8/27/94	1000	4200	-3060	-0.02	23.39	9/5/94	1000	17160	9900	-0.29	23.27
8/27/94	1100	4260	-3000	0.00	23.39	9/5/94	1100	17220	9960	-0.27	23.28
8/27/94	1200	4320	-2940	0.14	23.45	9/5/94	1200	17280	10020	-0.29	23.27
8/27/94	1300	4380	-2880	-1.12	22.91	9/5/94	1300	17340	10080	-0.36	23.24
8/27/94	1400	4440	-2820	0.03	23.41	9/5/94	1400	17400	10140	-0.42	23.21
8/27/94	1500	4500	-2760	0.12	23.45	9/5/94	1500	17460	10200	-0.50	23.18
8/27/94	1600	4560	-2700	-0.18	23.32	9/5/94	1600	17520	10260	-0.40	23.22
8/27/94	1700	4620	-2640	0.05	23.42	9/5/94	1700	17580	10320	-1.32	22.83
8/27/94	1800	4680	-2580	0.00	23.39	9/5/94	1800	17640	10380	-10.22	18.97
8/27/94	1900	4740	-2520	-1.61	22.70	9/5/94	1900	17700	10440	-0.65	23.11
8/27/94	2000	4800	-2460	-0.01	23.39	9/5/94	2000	17760	10500	-0.57	23.15
8/27/94	2100	4860	-2400	-0.14	23.33	9/5/94	2100	17820	10560	-1.44	22.77
8/27/94	2200	4920	-2340	0.11	23.44	9/5/94	2200	17880	10620	-0.79	23.05
8/27/94	2300	4980	-2280	0.04	23.41	9/5/94	2300	17940	10680	-1.35	22.81
8/28/94	0	5040	-2220	0.17	23.47	9/6/94	0	18000	10740	-0.76	23.06
8/28/94	100	5100	-2160	0.05	23.42	9/6/94	100	18060	10800	-0.67	23.11
8/28/94	200	5160	-2100	-0.13	23.34	9/6/94	200	18120	10860	-0.64	23.12
8/28/94	300	5220	-2040	0.02	23.40	9/6/94	300	18180	10920	-0.68	23.10
8/28/94	400	5280	-1980	0.01	23.40	9/6/94	400	18240	10980	-0.58	23.14
8/28/94	500	5340	-1920	0.03	23.41	9/6/94	500	18300	11040	-0.61	23.13

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
8/28/94	600	5400	-1860	0.00	23.39	9/6/94	600	18360	11100	-0.65	23.11
8/28/94	700	5460	-1800	-0.24	23.29	9/6/94	700	18420	11160	-0.71	23.09
8/28/94	800	5520	-1740	0.05	23.42	9/6/94	800	18480	11220	-1.00	22.96
8/28/94	900	5580	-1680	0.08	23.43	9/6/94	900	18540	11280	-0.81	23.04
8/28/94	1000	5640	-1620	0.08	23.43	9/6/94	1000	18600	11340	-0.59	23.14
8/28/94	1100	5700	-1560	0.16	23.46	9/6/94	1100	18660	11400	-0.58	23.14
8/28/94	1200	5760	-1500	-5.61	20.97	9/6/94	1200	18720	11460	-1.00	22.96
8/28/94	1300	5820	-1440	-0.17	23.32	9/6/94	1300	18780	11520	-0.69	23.10
8/28/94	1400	5880	-1380	-0.05	23.37	9/6/94	1400	18840	11580	-0.70	23.09
8/28/94	1500	5940	-1320	0.00	23.39	9/6/94	1500	18900	11640	-0.72	23.08
8/28/94	1600	6000	-1260	-0.13	23.34	9/6/94	1600	18960	11700	-0.59	23.14
8/28/94	1700	6060	-1200	-0.08	23.36	9/6/94	1700	19020	11760	-0.56	23.15
8/28/94	1800	6120	-1140	-0.23	23.30	9/6/94	1800	19080	11820	-11.02	18.62
8/28/94	1900	6180	-1080	-0.15	23.33	9/6/94	1900	19140	11880	-3.21	22.00
8/28/94	2000	6240	-1020	-0.36	23.24	9/6/94	2000	19200	11940	-15.18	16.82
8/28/94	2100	6300	-960	-0.11	23.35	9/6/94	2100	19260	12000	-3.25	21.99
8/28/94	2200	6360	-900	-6.70	20.49	9/6/94	2200	19320	12060	-0.85	23.03
8/28/94	2300	6420	-840	-0.10	23.35	9/6/94	2300	19380	12120	-1.37	22.80
8/29/94	0	6480	-780	-0.18	23.32	9/7/94	0	19440	12180	-0.68	23.10
8/29/94	100	6540	-720	-0.05	23.37	9/7/94	100	19500	12240	-0.66	23.11
8/29/94	200	6600	-660	-0.61	23.13	9/7/94	200	19560	12300	-0.65	23.11
8/29/94	300	6660	-600	-0.18	23.32	9/7/94	300	19620	12360	-0.91	23.00
8/29/94	400	6720	-540	-0.08	23.36	9/7/94	400	19680	12420	-0.73	23.08
8/29/94	500	6780	-480	-0.15	23.33	9/7/94	500	19740	12480	-0.68	23.10
8/29/94	600	6840	-420	-0.12	23.34	9/7/94	600	19800	12540	-9.94	19.09
8/29/94	700	6900	-360	-0.05	23.37	9/7/94	700	19860	12600	-0.85	23.03
8/29/94	800	6960	-300	-1.05	22.94	9/7/94	800	19920	12660	-8.83	19.57
8/29/94	900	7020	-240	-0.15	23.33	9/7/94	900	19980	12720	-0.80	23.05
8/29/94	1000	7080	-180	-0.22	23.30	9/7/94	1000	20040	12780	-1.17	22.89
8/29/94	1100	7140	-120	-0.28	23.27	9/7/94	1100	20100	12840	-2.10	22.48
8/29/94	1200	7200	-60	-0.15	23.33	9/7/94	1200	20160	12900	-0.75	23.07
8/29/94	1300	7260	0	-0.11	23.35	9/7/94	1300	20220	12960	-1.14	22.90
8/29/94	1400	7320	60	-0.86	23.02	9/7/94	1400	20280	13020	-5.86	20.86
8/29/94	1500	7380	120	-0.16	23.32	9/7/94	1500	20340	13080	-2.54	22.30
8/29/94	1600	7440	180	-0.06	23.37	9/7/94	1600	20400	13140	-0.85	23.03
8/29/94	1700	7500	240	-8.80	19.59	9/7/94	1700	20460	13200	-0.72	23.08
8/29/94	1800	7560	300	-0.40	23.22	9/7/94	1800	20520	13260	-0.66	23.11
8/29/94	1900	7620	360	-0.15	23.33	9/7/94	1900	20580	13320	-1.79	22.62
8/29/94	2000	7680	420	-0.26	23.28	9/7/94	2000	20640	13380	-7.60	20.10
8/29/94	2100	7740	480	-9.24	19.40	9/7/94	2100	20700	13440	-0.97	22.97
8/29/94	2200	7800	540	-0.75	23.07	9/7/94	2200	20760	13500	-1.00	22.96
8/29/94	2300	7860	600	-0.37	23.24	9/7/94	2300	20820	13560	-0.98	22.97
8/30/94	0	7920	660	-0.30	23.26	9/8/94	0	20880	13620	-0.82	23.04
8/30/94	100	7980	720	-0.28	23.27	9/8/94	100	20940	13680	-2.79	22.19
8/30/94	200	8040	780	-0.04	23.38	9/8/94	200	21000	13740	-0.83	23.04
8/30/94	300	8100	840	0.00	23.39	9/8/94	300	21060	13800	-0.70	23.09
8/30/94	400	8160	900	-0.02	23.39	9/8/94	400	21120	13860	-0.57	23.15
8/30/94	500	8220	960	0.03	23.41	9/8/94	500	21180	13920	-0.61	23.13
8/30/94	600	8280	1020	-2.19	22.45	9/8/94	600	21240	13980	-0.57	23.15
8/30/94	700	8340	1080	-0.31	23.26	9/8/94	700	21300	14040	-0.69	23.10
8/30/94	800	8400	1140	-0.29	23.27	9/8/94	800	21360	14100	-0.56	23.15
8/30/94	900	8460	1200	-0.26	23.28	9/8/94	900	21420	14160	-0.78	23.06
8/30/94	1000	8520	1260	-0.12	23.34	9/8/94	1000	21480	14220	-0.69	23.10
8/30/94	1100	8580	1320	-0.15	23.33	9/8/94	1100	21540	14280	-0.71	23.09
8/30/94	1200	8640	1380	-0.14	23.33	9/8/94	1200	21600	14340	-0.71	23.09
8/30/94	1300	8700	1440	-0.31	23.26	9/8/94	1300	21660	14400	-1.07	22.93
8/30/94	1400	8760	1500	-12.02	18.19	9/8/94	1400	21720	14460	-0.70	23.09
8/30/94	1500	8820	1560	-0.58	23.14	9/8/94	1500	21780	14520	-0.66	23.11
8/30/94	1600	8880	1620	-0.30	23.26	9/8/94	1600	21840	14580	-0.76	23.06
8/30/94	1700	8940	1680	-0.20	23.31	9/8/94	1700	21900	14640	-1.55	22.72
8/30/94	1800	9000	1740	-0.06	23.37	9/8/94	1800	21960	14700	-0.68	23.10
8/30/94	1900	9060	1800	-0.13	23.34	9/8/94	1900	22020	14760	-6.82	20.44
8/30/94	2000	9120	1860	-0.16	23.32	9/8/94	2000	22080	14820	-2.00	22.53
8/30/94	2100	9180	1920	-8.37	19.77	9/8/94	2100	22140	14880	-1.43	22.77
8/30/94	2200	9240	1980	-1.33	22.82	9/8/94	2200	22200	14940	-1.22	22.87
8/30/94	2300	9300	2040	-0.36	23.24	9/8/94	2300	22260	15000	-1.09	22.92
8/31/94	0	9360	2100	-0.12	23.34	9/9/94	0	22320	15060	-0.94	22.99
8/31/94	100	9420	2160	-0.39	23.23	9/9/94	100	22380	15120	-2.01	22.53
8/31/94	200	9480	2220	-0.13	23.34	9/9/94	200	22440	15180	-0.88	23.01
8/31/94	300	9540	2280	-0.18	23.32	9/9/94	300	22500	15240	-0.89	23.01
8/31/94	400	9600	2340	-0.16	23.32	9/9/94	400	22560	15300	-0.82	23.04
8/31/94	500	9660	2400	-0.22	23.30	9/9/94	500	22620	15360	-0.76	23.06
8/31/94	600	9720	2460	-0.41	23.22	9/9/94	600	22680	15420	-0.78	23.06
8/31/94	700	9780	2520	-0.23	23.30	9/9/94	700	22740	15480	-0.74	23.07
8/31/94	800	9840	2580	-0.06	23.37	9/9/94	800	22800	15540	-2.34	22.38
8/31/94	900	9900	2640	-0.12	23.34	9/9/94	900	22860	15600	-1.20	22.88
8/31/94	1000	9960	2700	-0.87	23.02	9/9/94	1000	22920	15660	-1.37	22.80
8/31/94	1100	10020	2760	-0.18	23.32	9/9/94	1100	22980	15720	-0.93	22.99
8/31/94	1200	10080	2820	-0.13	23.34	9/9/94	1200	23040	15780	-1.90	22.57
8/31/94	1300	10140	2880	-0.16	23.32	9/9/94	1300	23100	15840	-1.11	22.91
8/31/94	1400	10200	2940	-0.71	23.09	9/9/94	1400	23160	15900	-0.83	23.04
8/31/94	1500	10260	3000	-0.14	23.33	9/9/94	1500	23220	15960	-2.45	22.33
8/31/94	1600	10320	3060	-0.15	23.33	9/9/94	1600	23280	16020	-15.75	16.57
8/31/94	1700	10380	3120	-0.19	23.31	9/9/94	1700	23340	16080	-2.49	22.31
8/31/94	1800	10440	3180	-1.50	22.75	9/9/94	1800	23400	16140	-1.11	22.91
8/31/94	1900	10500	3240	-1.47	22.76	9/9/94	1900	23460	16200	-1.67	22.67
8/31/94	2000	10560	3300	-0.25	23.29	9/9/94	2000	23520	16260	-0.93	22.99
8/31/94	2100	10620	3360	-0.37	23.24	9/9/94	2100	23580	16320	-1.64	22.68
8/31/94	2200	10680	3420	-0.54	23.16	9/9/94	2200	23640	16380	-1.14	22.90
8/31/94	2300	10740	3480	-0.41	23.22	9/9/94	2300	23700	16440	-1.12	22.91
9/1/94	0	10800	3540	-0.29	23.27	9/10/94	0	23760	16500	-0.98	22.97
9/1/94	100	10860	3600	-0.27	23.28	9/10/94	100	23820	16560	-1.05	22.94
9/1/94	200	10920	3660	-0.23	23.30	9/10/94	200	23880	16620	-0.99	22.97
9/1/94	300	10980	3720	-0.25	23.29	9/10/94	300	23940	16680	-1.03	22.95
9/1/94	400	11040	3780	-0.23	23.30	9/10/94	400	24000	16740	-0.98	22.97
9/1/94	500	11100	3840	-0.27	23.28	9/10/94	500	24060	16800	-0.82	23.04
9/1/94	600	11160	3900	-1.46	22.76	9/10/94	600	24120	16860	-0.94	22.99
9/1/94	700	11220	3960	-4.92	21.27	9/10/94	700	24180	16920	-0.85	23.03
9/1/94	800	11280	4020	-0.28	23.27	9/10/94	800	24240	16980	-0.85	23.03
9/1/94	900	11340	4080	-0.45	23.20	9/10/94	900	24300	17040	-2.97	22.11
9/1/94	1000	11400	4140	-1.71	22.65	9/10/94	1000	24360	17100	-0.98	22.97
9/1/94	1100	11460	4200	-0.20	23.31	9/10/94	1100	24420	17160	-1.01	22.96

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
9/1/94	1200	11520	4260	-0.33	23.25	9/10/94	1200	24480	17220	-2.01	22.53
9/1/94	1300	11580	4320	-0.10	23.35	9/10/94	1300	24540	17280	-0.98	22.97
9/1/94	1400	11640	4380	-0.16	23.32	9/10/94	1400	24600	17340	-0.79	23.05
9/1/94	1500	11700	4440	-0.20	23.31	9/10/94	1500	24660	17400	-1.01	22.96
9/1/94	1600	11760	4500	-0.09	23.36	9/10/94	1600	24720	17460	-0.91	23.00
9/1/94	1700	11820	4560	-3.17	22.02	9/10/94	1700	24780	17520	-0.81	23.04
9/1/94	1800	11880	4620	-10.20	18.98	9/10/94	1800	24840	17580	-6.87	20.42
9/1/94	1900	11940	4680	-0.26	23.28	9/10/94	1900	24900	17640	-0.96	22.98
9/1/94	2000	12000	4740	-1.03	22.95	9/10/94	2000	24960	17700	-19.31	15.03
9/1/94	2100	12060	4800	-0.36	23.24	9/10/94	2100	25020	17760	-1.20	22.88
9/1/94	2200	12120	4860	-0.68	23.10	9/10/94	2200	25080	17820	-0.85	23.03
9/1/94	2300	12180	4920	-11.18	18.55	9/10/94	2300	25140	17880	-2.84	22.16
9/2/94	0	12240	4980	-0.24	23.29	9/11/94	0	25200	17940	-1.50	22.75
9/2/94	100	12300	5040	-0.17	23.32	9/11/94	100	25260	18000	-1.01	22.96
9/2/94	200	12360	5100	-0.74	23.07	9/11/94	200	25320	18060	-0.97	22.97
9/2/94	300	12420	5160	-0.23	23.30	9/11/94	300	25380	18120	-0.94	22.99
9/2/94	400	12480	5220	-0.19	23.31	9/11/94	400	25440	18180	-0.80	23.05
9/2/94	500	12540	5280	-0.09	23.36	9/11/94	500	25500	18240	-0.88	23.01
9/2/94	600	12600	5340	-0.05	23.37	9/11/94	600	25560	18300	-2.99	22.10
9/2/94	700	12660	5400	-7.12	20.31	9/11/94	700	25620	18360	-0.97	22.97
9/2/94	800	12720	5460	-0.26	23.28	9/11/94	800	25680	18420	-0.89	23.01
9/2/94	900	12780	5520	-1.83	22.60	9/11/94	900	25740	18480	-0.95	22.98
9/2/94	1000	12840	5580	-0.91	23.00	9/11/94	1000	25800	18540	-1.42	22.78
9/2/94	1100	12900	5640	-1.06	22.94	9/11/94	1100	25860	18600	-0.85	23.03
						9/11/94	1200	25920	18660	-0.86	23.02
						9/11/94	1300	25980	18720	-0.85	23.03
						9/11/94	1400	26040	18780	-0.94	22.99
						9/11/94	1500	26100	18840	-0.94	22.99
						9/11/94	1600	26160	18900	-0.91	23.00
						9/11/94	1700	26220	18960	-1.16	22.89
						9/11/94	1800	26280	19020	-0.74	23.07
						9/11/94	1900	26340	19080	-0.89	23.01
						9/11/94	2000	26400	19140	-0.93	22.99
						9/11/94	2100	26460	19200	-0.88	23.01
						9/11/94	2200	26520	19260	-1.42	22.78
						9/11/94	2300	26580	19320	-2.16	22.46
						9/12/94	0	26640	19380	-1.12	22.91
						9/12/94	100	26700	19440	-1.03	22.95
						9/12/94	200	26760	19500	-1.07	22.93
						9/12/94	300	26820	19560	-1.17	22.89
						9/12/94	400	26880	19620	-0.97	22.97
						9/12/94	500	26940	19680	-0.83	23.04
						9/12/94	600	27000	19740	-1.32	22.83
						9/12/94	700	27060	19800	-1.16	22.89
						9/12/94	800	27120	19860	-0.98	22.97
						9/12/94	900	27180	19920	-0.96	22.98
						9/12/94	1000	27240	19980	-1.01	22.96
						9/12/94	1100	27300	20040	-1.61	22.70

McDANIEL DOMESTIC WELL

Emery & Garrett Groundwater, Inc.

PUMPING TEST DATA SHEET FOR MCDANIEL DOMESTIC WELL

PROJECT: New Baltimore, Virginia
SUBCONTRACTOR: Valley Drilling
PUMPING WELL (S): E-1, E-6, E-7

MONITORING WELL: McDaniel Well
STATIC WATER LEVEL: NA
MAXIMUM DRAWDOWN:NA
MEASURING POINT: NA

	Date	Hour	Minute
Start of Pumping:	8/29/94	13	0
Start of Recovery:	9/2/94	12	0

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
8/25/94	900	0	-6000	0.00	29.63	9/2/94	1200	11700	5700	-0.42	29.45
8/25/94	1000	60	-5940	-0.14	29.58	9/2/94	1300	11760	5760	-0.50	29.42
8/25/94	1100	120	-5880	0.17	29.71	9/2/94	1400	11820	5820	-0.41	29.46
8/25/94	1200	180	-5820	0.14	29.69	9/2/94	1500	11880	5880	-0.45	29.44
8/25/94	1300	240	-5760	0.14	29.70	9/2/94	1600	11940	5940	-0.45	29.44
8/25/94	1400	300	-5700	0.14	29.70	9/2/94	1700	12000	6000	-0.47	29.43
8/25/94	1500	360	-5640	0.05	29.66	9/2/94	1800	12060	6060	-0.48	29.43
8/25/94	1600	420	-5580	0.08	29.67	9/2/94	1900	12120	6120	-0.49	29.42
8/25/94	1700	480	-5520	0.04	29.65	9/2/94	2000	12180	6180	-0.50	29.42
8/25/94	1800	540	-5460	-0.06	29.61	9/2/94	2100	12240	6240	-0.46	29.44
8/25/94	1900	600	-5400	0.04	29.65	9/2/94	2200	12300	6300	-0.48	29.43
8/25/94	2000	660	-5340	0.00	29.63	9/2/94	2300	12360	6360	-0.44	29.44
8/25/94	2100	720	-5280	0.01	29.64	9/3/94	0	12420	6420	-0.43	29.45
8/25/94	2200	780	-5220	-0.04	29.62	9/3/94	100	12480	6480	-0.45	29.44
8/25/94	2300	840	-5160	-0.08	29.60	9/3/94	200	12540	6540	-0.37	29.47
8/26/94	0	900	-5100	-0.01	29.63	9/3/94	300	12600	6600	-0.42	29.45
8/26/94	100	960	-5040	-0.03	29.62	9/3/94	400	12660	6660	-0.44	29.44
8/26/94	200	1020	-4980	-0.06	29.61	9/3/94	500	12720	6720	-0.42	29.45
8/26/94	300	1080	-4920	-0.02	29.63	9/3/94	600	12780	6780	-0.42	29.45
8/26/94	400	1140	-4860	-0.08	29.60	9/3/94	700	12840	6840	-0.43	29.45
8/26/94	500	1200	-4800	-0.05	29.61	9/3/94	800	12900	6900	-0.45	29.44
8/26/94	600	1260	-4740	-0.03	29.62	9/3/94	900	12960	6960	-0.47	29.43
8/26/94	700	1320	-4680	-0.07	29.61	9/3/94	1000	13020	7020	-0.94	29.23
8/26/94	800	1380	-4620	-0.01	29.63	9/3/94	1100	13080	7080	-0.48	29.43
8/26/94	900	1440	-4560	-0.14	29.57	9/3/94	1200	13140	7140	-0.44	29.44
8/26/94	1000	1500	-4500	-0.06	29.61	9/3/94	1300	13200	7200	-0.74	29.32
8/26/94	1100	1560	-4440	-0.02	29.63	9/3/94	1400	13260	7260	-0.77	29.30
8/26/94	1200	1620	-4380	-0.31	29.50	9/3/94	1500	13320	7320	-0.54	29.40
8/26/94	1300	1680	-4320	-0.14	29.57	9/3/94	1600	13380	7380	-0.55	29.40
8/26/94	1400	1740	-4260	-0.16	29.57	9/3/94	1700	13440	7440	-0.67	29.34
8/26/94	1500	1800	-4200	-0.14	29.57	9/3/94	1800	13500	7500	-0.69	29.34
8/26/94	1600	1860	-4140	-0.15	29.57	9/3/94	1900	13560	7560	-0.53	29.40
8/26/94	1700	1920	-4080	-0.14	29.57	9/3/94	2000	13620	7620	-0.49	29.42
8/26/94	1800	1980	-4020	-0.13	29.58	9/3/94	2100	13680	7680	-0.50	29.42
8/26/94	1900	2040	-3960	-0.14	29.58	9/3/94	2200	13740	7740	-0.68	29.34
8/26/94	2000	2100	-3900	-0.17	29.56	9/3/94	2300	13800	7800	-0.48	29.43
8/26/94	2100	2160	-3840	-0.14	29.57	9/4/94	0	13860	7860	-0.45	29.44
8/26/94	2200	2220	-3780	-0.14	29.57	9/4/94	100	13920	7920	-0.46	29.44
8/26/94	2300	2280	-3720	-0.17	29.56	9/4/94	200	13980	7980	-0.45	29.44
8/27/94	0	2340	-3660	-0.14	29.58	9/4/94	300	14040	8040	-0.48	29.43
8/27/94	100	2400	-3600	-0.18	29.56	9/4/94	400	14100	8100	-0.48	29.43
8/27/94	200	2460	-3540	-0.19	29.55	9/4/94	500	14160	8160	-0.44	29.44
8/27/94	300	2520	-3480	-0.21	29.54	9/4/94	600	14220	8220	-0.50	29.42
8/27/94	400	2580	-3420	-0.16	29.57	9/4/94	700	14280	8280	-0.46	29.44
8/27/94	500	2640	-3360	-0.20	29.55	9/4/94	800	14340	8340	-0.43	29.45
8/27/94	600	2700	-3300	-0.21	29.54	9/4/94	900	14400	8400	-0.50	29.42
8/27/94	700	2760	-3240	-0.16	29.57	9/4/94	1000	14460	8460	-0.49	29.42
8/27/94	800	2820	-3180	-0.36	29.48	9/4/94	1100	14520	8520	-0.46	29.44
8/27/94	900	2880	-3120	-0.19	29.55	9/4/94	1200	14580	8580	-0.60	29.37
8/27/94	1000	2940	-3060	-0.17	29.56	9/4/94	1300	14640	8640	-0.62	29.37
8/27/94	1100	3000	-3000	-0.21	29.54	9/4/94	1400	14700	8700	-0.56	29.39
8/27/94	1200	3060	-2940	-0.18	29.56	9/4/94	1500	14760	8760	-0.57	29.39
8/27/94	1300	3120	-2880	-0.21	29.54	9/4/94	1600	14820	8820	-0.55	29.40
8/27/94	1400	3180	-2820	-0.24	29.53	9/4/94	1700	14880	8880	-0.59	29.38
8/27/94	1500	3240	-2760	-0.26	29.52	9/4/94	1800	14940	8940	-0.62	29.37
8/27/94	1600	3300	-2700	-0.29	29.51	9/4/94	1900	15000	9000	-0.71	29.33
8/27/94	1700	3360	-2640	-0.31	29.50	9/4/94	2000	15060	9060	-0.56	29.39
8/27/94	1800	3420	-2580	-0.28	29.51	9/4/94	2100	15120	9120	-0.59	29.38
8/27/94	1900	3480	-2520	-0.28	29.51	9/4/94	2200	15180	9180	-0.88	29.25
8/27/94	2000	3540	-2460	-0.27	29.52	9/4/94	2300	15240	9240	-0.59	29.38
8/27/94	2100	3600	-2400	-0.29	29.51	9/5/94	0	15300	9300	-0.56	29.39
8/27/94	2200	3660	-2340	-0.25	29.53	9/5/94	100	15360	9360	-0.58	29.39
8/27/94	2300	3720	-2280	-0.30	29.51	9/5/94	200	15420	9420	-0.58	29.39
8/28/94	0	3780	-2220	-0.29	29.51	9/5/94	300	15480	9480	-0.58	29.39
8/28/94	100	3840	-2160	-0.31	29.50	9/5/94	400	15540	9540	-0.66	29.35
8/28/94	200	3900	-2100	-0.32	29.50	9/5/94	500	15600	9600	-0.60	29.37
8/28/94	300	3960	-2040	-0.36	29.48	9/5/94	600	15660	9660	-0.59	29.38
8/28/94	400	4020	-1980	-0.35	29.48	9/5/94	700	15720	9720	-0.54	29.40
8/28/94	500	4080	-1920	-0.38	29.47	9/5/94	800	15780	9780	-0.55	29.40
8/28/94	600	4140	-1860	-0.34	29.49	9/5/94	900	15840	9840	-0.59	29.38
8/28/94	700	4200	-1800	-0.33	29.49	9/5/94	1000	15900	9900	-0.59	29.38
8/28/94	800	4260	-1740	-0.32	29.50	9/5/94	1100	15960	9960	-0.64	29.36
8/28/94	900	4320	-1680	-0.36	29.48	9/5/94	1200	16020	10020	-0.73	29.32
8/28/94	1000	4380	-1620	-0.32	29.50	9/5/94	1300	16080	10080	-0.78	29.30
8/28/94	1100	4440	-1560	-0.37	29.47	9/5/94	1400	16140	10140	-0.75	29.31
8/28/94	1200	4500	-1500	-0.42	29.45	9/5/94	1500	16200	10200	-0.74	29.32
8/28/94	1300	4560	-1440	-0.46	29.44	9/5/94	1600	16260	10260	-0.75	29.31
8/28/94	1400	4620	-1380	-0.49	29.42	9/5/94	1700	16320	10320	-0.75	29.31
8/28/94	1500	4680	-1320	-0.58	29.39	9/5/94	1800	16380	10380	-0.75	29.31
8/28/94	1600	4740	-1260	-0.55	29.40	9/5/94	1900	16440	10440	-0.76	29.30
8/28/94	1700	4800	-1200	-0.52	29.41	9/5/94	2000	16500	10500	-0.78	29.30
8/28/94	1800	4860	-1140	-0.83	29.27	9/5/94	2100	16560	10560	-0.77	29.30
8/28/94	1900	4920	-1080	-0.60	29.37	9/5/94	2200	16620	10620	-0.76	29.30
8/28/94	2000	4980	-1020	-0.57	29.39	9/5/94	2300	16680	10680	-0.80	29.29
8/28/94	2100	5040	-960	-0.56	29.39	9/6/94	0	16740	10740	-0.73	29.32
8/28/94	2200	5100	-900	-0.54	29.40	9/6/94	100	16800	10800	-0.81	29.29
8/28/94	2300	5160	-840	-0.56	29.39	9/6/94	200	16860	10860	-0.76	29.31
8/29/94	0	5220	-780	-0.60	29.37	9/6/94	300	16920	10920	-0.79	29.29
8/29/94	100	5280	-720	-0.53	29.40	9/6/94	400	16980	10980	-0.80	29.29
8/29/94	200	5340	-660	-0.57	29.39	9/6/94	500	17040	11040	-0.84	29.27

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
8/29/94	300	5400	-600	-0.59	29.38	9/6/94	600	17100	11100	-0.78	29.30
8/29/94	400	5460	-540	-0.61	29.37	9/6/94	700	17160	11160	-0.77	29.30
8/29/94	500	5520	-480	-0.57	29.39	9/6/94	800	17220	11220	-0.77	29.30
8/29/94	600	5580	-420	-0.61	29.37	9/6/94	900	17280	11280	-0.96	29.22
8/29/94	700	5640	-360	-0.58	29.39	9/6/94	1000	17340	11340	-0.85	29.27
8/29/94	800	5700	-300	-0.58	29.39	9/6/94	1100	17400	11400	-0.87	29.26
8/29/94	900	5760	-240	-1.00	29.20	9/6/94	1200	17460	11460	-0.89	29.25
8/29/94	1000	5820	-180	-0.70	29.33	9/6/94	1300	17520	11520	-0.86	29.26
8/29/94	1100	5880	-120	-0.64	29.36	9/6/94	1400	17580	11580	-0.89	29.25
8/29/94	1200	5940	-60	-0.74	29.32	9/6/94	1500	17640	11640	-0.87	29.26
8/29/94	1300	6000	0	-0.66	29.35	9/6/94	1600	17700	11700	-0.87	29.26
8/29/94	1400	6060	60	-0.70	29.33	9/6/94	1700	17760	11760	-0.98	29.21
8/29/94	1500	6120	120	-0.57	29.39	9/6/94	1800	17820	11820	-0.87	29.26
8/29/94	1600	6180	180	-0.57	29.39	9/6/94	1900	17880	11880	-0.89	29.25
8/29/94	1700	6240	240	-0.56	29.39	9/6/94	2000	17940	11940	-0.92	29.24
8/29/94	1800	6300	300	-0.56	29.39	9/6/94	2100	18000	12000	-0.92	29.24
8/29/94	1900	6360	360	-0.56	29.39	9/6/94	2200	18060	12060	-0.86	29.26
8/29/94	2000	6420	420	-0.71	29.33	9/6/94	2300	18120	12120	-0.95	29.22
8/29/94	2100	6480	480	-0.89	29.25	9/7/94	0	18180	12180	-0.92	29.24
8/29/94	2200	6540	540	-0.82	29.28	9/7/94	100	18240	12240	-0.91	29.24
8/29/94	2300	6600	600	-0.54	29.40	9/7/94	200	18300	12300	-0.89	29.25
8/30/94	0	6660	660	-0.54	29.40	9/7/94	300	18360	12360	-0.85	29.27
8/30/94	100	6720	720	-0.57	29.39	9/7/94	400	18420	12420	-0.87	29.26
8/30/94	200	6780	780	-0.56	29.39	9/7/94	500	18480	12480	-0.87	29.26
8/30/94	300	6840	840	-0.51	29.41	9/7/94	600	18540	12540	-0.84	29.27
8/30/94	400	6900	900	-0.52	29.41	9/7/94	700	18600	12600	-0.84	29.27
8/30/94	500	6960	960	-0.48	29.43	9/7/94	800	18660	12660	-0.87	29.26
8/30/94	600	7020	1020	-0.45	29.44	9/7/94	900	18720	12720	-0.87	29.26
8/30/94	700	7080	1080	-0.44	29.44	9/7/94	1000	18780	12780	-0.89	29.25
8/30/94	800	7140	1140	-0.42	29.45	9/7/94	1100	18840	12840	-1.04	29.18
8/30/94	900	7200	1200	-0.68	29.34	9/7/94	1200	18900	12900	-0.98	29.21
8/30/94	1000	7260	1260	-0.44	29.44	9/7/94	1300	18960	12960	-0.91	29.24
8/30/94	1100	7320	1320	-0.47	29.43	9/7/94	1400	19020	13020	-0.90	29.25
8/30/94	1200	7380	1380	-0.40	29.46	9/7/94	1500	19080	13080	-0.91	29.24
8/30/94	1300	7440	1440	-0.46	29.44	9/7/94	1600	19140	13140	-0.90	29.25
8/30/94	1400	7500	1500	-0.48	29.43	9/7/94	1700	19200	13200	-0.88	29.25
8/30/94	1500	7560	1560	-0.44	29.44	9/7/94	1800	19260	13260	-0.86	29.26
8/30/94	1600	7620	1620	-0.45	29.44	9/7/94	1900	19320	13320	-0.90	29.25
8/30/94	1700	7680	1680	-0.49	29.42	9/7/94	2000	19380	13380	-0.87	29.26
8/30/94	1800	7740	1740	-0.53	29.41	9/7/94	2100	19440	13440	-0.99	29.20
8/30/94	1900	7800	1800	-0.53	29.41	9/7/94	2200	19500	13500	-0.93	29.23
8/30/94	2000	7860	1860	-0.54	29.40	9/7/94	2300	19560	13560	-0.85	29.27
8/30/94	2100	7920	1920	-0.51	29.41	9/8/94	0	19620	13620	-0.86	29.26
8/30/94	2200	7980	1980	-0.60	29.37	9/8/94	100	19680	13680	-0.80	29.29
8/30/94	2300	8040	2040	-0.57	29.39	9/8/94	200	19740	13740	-0.76	29.31
8/31/94	0	8100	2100	-0.48	29.43	9/8/94	300	19800	13800	-0.85	29.27
8/31/94	100	8160	2160	-0.47	29.43	9/8/94	400	19860	13860	-0.76	29.30
8/31/94	200	8220	2220	-0.50	29.42	9/8/94	500	19920	13920	-0.79	29.29
8/31/94	300	8280	2280	-0.55	29.40	9/8/94	600	19980	13980	-0.77	29.30
8/31/94	400	8340	2340	-0.53	29.41	9/8/94	700	20040	14040	-0.83	29.27
8/31/94	500	8400	2400	-0.59	29.38	9/8/94	800	20100	14100	-0.77	29.30
8/31/94	600	8460	2460	-0.52	29.41	9/8/94	900	20160	14160	-0.81	29.28
8/31/94	700	8520	2520	-0.55	29.40	9/8/94	1000	20220	14220	-0.74	29.32
8/31/94	800	8580	2580	-0.57	29.39	9/8/94	1100	20280	14280	-0.76	29.31
8/31/94	900	8640	2640	-0.70	29.33	9/8/94	1200	20340	14340	-0.75	29.31
8/31/94	1000	8700	2700	-0.60	29.37	9/8/94	1300	20400	14400	-0.78	29.30
8/31/94	1100	8760	2760	-0.63	29.36	9/8/94	1400	20460	14460	-0.81	29.29
8/31/94	1200	8820	2820	-0.67	29.34	9/8/94	1500	20520	14520	-0.78	29.30
8/31/94	1300	8880	2880	-0.66	29.35	9/8/94	1600	20580	14580	-0.84	29.27
8/31/94	1400	8940	2940	-0.87	29.26	9/8/94	1700	20640	14640	-0.91	29.24
8/31/94	1500	9000	3000	-0.87	29.26	9/8/94	1800	20700	14700	-0.87	29.26
8/31/94	1600	9060	3060	-0.69	29.34	9/8/94	1900	20760	14760	-0.82	29.28
8/31/94	1700	9120	3120	-0.74	29.32	9/8/94	2000	20820	14820	-0.87	29.26
8/31/94	1800	9180	3180	-0.81	29.29	9/8/94	2100	20880	14880	-0.86	29.26
8/31/94	1900	9240	3240	-0.93	29.23	9/8/94	2200	20940	14940	-0.83	29.27
8/31/94	2000	9300	3300	-0.73	29.32	9/8/94	2300	21000	15000	-0.94	29.23
8/31/94	2100	9360	3360	-0.68	29.34	9/9/94	0	21060	15060	-0.86	29.26
8/31/94	2200	9420	3420	-0.70	29.33	9/9/94	100	21120	15120	-0.87	29.26
8/31/94	2300	9480	3480	-0.77	29.30	9/9/94	200	21180	15180	-0.89	29.25
9/1/94	0	9540	3540	-0.76	29.31	9/9/94	300	21240	15240	-0.87	29.26
9/1/94	100	9600	3600	-0.75	29.31	9/9/94	400	21300	15300	-0.86	29.26
9/1/94	200	9660	3660	-0.75	29.31	9/9/94	500	21360	15360	-0.87	29.26
9/1/94	300	9720	3720	-0.74	29.32	9/9/94	600	21420	15420	-0.87	29.26
9/1/94	400	9780	3780	-0.72	29.32	9/9/94	700	21480	15480	-0.97	29.22
9/1/94	500	9840	3840	-0.64	29.36	9/9/94	800	21540	15540	-0.97	29.22
9/1/94	600	9900	3900	-0.63	29.36	9/9/94	900	21600	15600	-0.93	29.23
9/1/94	700	9960	3960	-0.59	29.38	9/9/94	1000	21660	15660	-0.91	29.24
9/1/94	800	10020	4020	-0.62	29.37	9/9/94	1100	21720	15720	-0.84	29.27
9/1/94	900	10080	4080	-0.59	29.38	9/9/94	1200	21780	15780	-0.85	29.27
9/1/94	1000	10140	4140	-0.73	29.32	9/9/94	1300	21840	15840	-0.89	29.25
9/1/94	1100	10200	4200	-0.65	29.35	9/9/94	1400	21900	15900	-0.93	29.23
9/1/94	1200	10260	4260	-0.54	29.40	9/9/94	1500	21960	15960	-0.96	29.22
9/1/94	1300	10320	4320	-0.50	29.42	9/9/94	1600	22020	16020	-0.94	29.23
9/1/94	1400	10380	4380	-0.58	29.39	9/9/94	1700	22080	16080	-0.98	29.21
9/1/94	1500	10440	4440	-0.55	29.40	9/9/94	1800	22140	16140	-0.94	29.23
9/1/94	1600	10500	4500	-0.58	29.39	9/9/94	1900	22200	16200	-1.12	29.15
9/1/94	1700	10560	4560	-0.58	29.39	9/9/94	2000	22260	16260	-0.97	29.22
9/1/94	1800	10620	4620	-0.54	29.40	9/9/94	2100	22320	16320	-0.91	29.24
9/1/94	1900	10680	4680	-0.57	29.39	9/9/94	2200	22380	16380	-0.93	29.23
9/1/94	2000	10740	4740	-0.54	29.40	9/9/94	2300	22440	16440	-0.96	29.22
9/1/94	2100	10800	4800	-0.61	29.37	9/10/94	0	22500	16500	-0.94	29.23
9/1/94	2200	10860	4860	-0.51	29.41	9/10/94	100	22560	16560	-0.97	29.22
9/1/94	2300	10920	4920	-0.70	29.33	9/10/94	200	22620	16620	-0.88	29.25
9/2/94	0	10980	4980	-0.51	29.41	9/10/94	300	22680	16680	-0.91	29.24
9/2/94	100	11040	5040	-0.46	29.44	9/10/94	400	22740	16740	-0.91	29.24
9/2/94	200	11100	5100	-0.47	29.43	9/10/94	500	22800	16800	-0.89	29.25
9/2/94	300	11160	5160	-0.45	29.44	9/10/94	600	22860	16860	-0.87	29.26
9/2/94	400	11220	5220	-0.47	29.43	9/10/94	700	22920	16920	-0.83	29.27
9/2/94	500	11280	5280	-0.45	29.44	9/10/94	800	22980	16980	-0.83	29.27
9/2/94	600	11340	5340	-0.42	29.45	9/10/94	900	23040	17040	-0.83	29.27
9/2/94	700	11400	5400	-0.47	29.43	9/10/94	1000	23100	17100	-0.85	29.27
9/2/94	800	11460	5460	-0.59	29.38	9/10/94	1100	23160	17160	-0.94	29.23

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
9/2/94	900	13520	5520	-0.52	29.41	9/10/94	1200	23220	17220	-1.17	29.13
9/2/94	1000	13580	5580	-0.48	29.43	9/10/94	1300	23280	17280	-1.38	29.04
9/2/94	1100	11640	5640	-0.49	29.42	9/10/94	1400	23340	17340	-0.97	29.22
						9/10/94	1500	23400	17400	-0.94	29.23
						9/10/94	1600	23460	17460	-0.91	29.24
						9/10/94	1700	23520	17520	-0.93	29.23
						9/10/94	1800	23580	17580	-0.93	29.23
						9/10/94	1900	23640	17640	-0.90	29.25
						9/10/94	2000	23700	17700	-0.89	29.25
						9/10/94	2100	23760	17760	-0.88	29.25
						9/10/94	2200	23820	17820	-0.93	29.23
						9/10/94	2300	23880	17880	-0.92	29.24
						9/11/94	0	23940	17940	-0.83	29.27
						9/11/94	100	24000	18000	-0.83	29.27
						9/11/94	200	24060	18060	-0.87	29.26
						9/11/94	300	24120	18120	-0.84	29.27
						9/11/94	400	24180	18180	-0.82	29.28
						9/11/94	500	24240	18240	-0.84	29.27
						9/11/94	600	24300	18300	-0.75	29.31
						9/11/94	700	24360	18360	-0.78	29.30
						9/11/94	800	24420	18420	-0.77	29.30
						9/11/94	900	24480	18480	-0.74	29.32
						9/11/94	1000	24540	18540	-0.76	29.31
						9/11/94	1100	24600	18600	-0.76	29.31
						9/11/94	1200	24660	18660	-0.94	29.23
						9/11/94	1300	24720	18720	-0.87	29.26
						9/11/94	1400	24780	18780	-0.89	29.25
						9/11/94	1500	24840	18840	-1.15	29.14
						9/11/94	1600	24900	18900	-0.85	29.27
						9/11/94	1700	24960	18960	-0.90	29.25
						9/11/94	1800	25020	19020	-0.86	29.26
						9/11/94	1900	25080	19080	-0.86	29.26
						9/11/94	2000	25140	19140	-0.87	29.26
						9/11/94	2100	25200	19200	-0.90	29.25
						9/11/94	2200	25260	19260	-0.83	29.27
						9/11/94	2300	25320	19320	-0.81	29.28
						9/12/94	0	25380	19380	-0.83	29.27
						9/12/94	100	25440	19440	-0.79	29.29
						9/12/94	200	25500	19500	-0.84	29.27
						9/12/94	300	25560	19560	-0.79	29.29
						9/12/94	400	25620	19620	-0.79	29.29
						9/12/94	500	25680	19680	-0.81	29.29
						9/12/94	600	25740	19740	-0.84	29.27
						9/12/94	700	25800	19800	-0.82	29.28
						9/12/94	800	25860	19860	-0.82	29.28
						9/12/94	900	25920	19920	-0.93	29.23
						9/12/94	1000	25980	19980	-0.78	29.30
						9/12/94	1100	26040	20040	-0.76	29.30
						9/12/94	1200	26100	20100	-0.73	29.32

MEDVITZ DOMESTIC WELL

Emery & Garrett Groundwater, Inc.

PUMPING TEST DATA SHEET FOR MEDVITZ DOMESTIC WELL

PROJECT: New Baltimore, Virginia
SUBCONTRACTOR: Valley Drilling
PUMPING WELL (S): E-1, E-6, E-7

MONITORING WELL: Medvitz
STATIC WATER LEVEL: NA
MAXIMUM DRAWDOWN: NA
MEASURING POINT: NA

	Date	Hour	Minute
Start of Pumping:	8/29/94	13	0
Start of Recovery:	9/2/94	12	0

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
8/24/94	1500	0	-7080	0.00	17.96	9/2/94	1200	12780	5700	-0.31	17.82
8/24/94	1600	60	-7020	0.05	17.98	9/2/94	1300	12840	5760	-0.15	17.89
8/24/94	1700	120	-6960	0.07	17.99	9/2/94	1400	12900	5820	-0.11	17.91
8/24/94	1800	180	-6900	0.05	17.98	9/2/94	1500	12960	5880	-0.35	17.81
8/24/94	1900	240	-6840	0.04	17.98	9/2/94	1600	13020	5940	-0.11	17.91
8/24/94	2000	300	-6780	-0.32	17.82	9/2/94	1700	13080	6000	-0.04	17.94
8/24/94	2100	360	-6720	-0.82	17.61	9/2/94	1800	13140	6060	-4.17	16.15
8/24/94	2200	420	-6660	-0.15	17.89	9/2/94	1900	13200	6120	-0.35	17.81
8/24/94	2300	480	-6600	0.00	17.96	9/2/94	2000	13260	6180	-0.61	17.70
8/25/94	0	540	-6540	-1.60	17.26	9/2/94	2100	13320	6240	-0.10	17.92
8/25/94	100	600	-6480	0.06	17.98	9/2/94	2200	13380	6300	-0.06	17.93
8/25/94	200	660	-6420	0.07	17.99	9/2/94	2300	13440	6360	-7.39	14.76
8/25/94	300	720	-6360	0.08	17.99	9/3/94	0	13500	6420	-0.21	17.87
8/25/94	400	780	-6300	-0.37	17.80	9/3/94	100	13560	6480	-0.03	17.95
8/25/94	500	840	-6240	0.07	17.99	9/3/94	200	13620	6540	-0.04	17.94
8/25/94	600	900	-6180	-1.00	17.53	9/3/94	300	13680	6600	0.03	17.97
8/25/94	700	960	-6120	-0.39	17.79	9/3/94	400	13740	6660	-1.03	17.51
8/25/94	800	1020	-6060	0.06	17.98	9/3/94	500	13800	6720	0.07	17.99
8/25/94	900	1080	-6000	-0.06	17.93	9/3/94	600	13860	6780	0.09	18.00
8/25/94	1000	1140	-5940	0.04	17.97	9/3/94	700	13920	6840	0.08	17.99
8/25/94	1100	1200	-5880	0.02	17.97	9/3/94	800	13980	6900	-0.09	17.92
8/25/94	1200	1260	-5820	0.02	17.97	9/3/94	900	14040	6960	0.02	17.97
8/25/94	1300	1320	-5760	-0.11	17.91	9/3/94	1000	14100	7020	-0.44	17.77
8/25/94	1400	1380	-5700	-0.01	17.95	9/3/94	1100	14160	7080	-0.18	17.88
8/25/94	1500	1440	-5640	0.00	17.96	9/3/94	1200	14220	7140	-0.10	17.92
8/25/94	1600	1500	-5580	-0.02	17.95	9/3/94	1300	14280	7200	-1.13	17.47
8/25/94	1700	1560	-5520	-0.29	17.84	9/3/94	1400	14340	7260	-1.10	17.48
8/25/94	1800	1620	-5460	-0.07	17.93	9/3/94	1500	14400	7320	-2.64	16.82
8/25/94	1900	1680	-5400	-0.39	17.79	9/3/94	1600	14460	7380	-0.18	17.88
8/25/94	2000	1740	-5340	-0.11	17.91	9/3/94	1700	14520	7440	-3.67	16.37
8/25/94	2100	1800	-5280	-0.91	17.57	9/3/94	1800	14580	7500	-3.50	16.44
8/25/94	2200	1860	-5220	-0.48	17.75	9/3/94	1900	14640	7560	-0.52	17.73
8/25/94	2300	1920	-5160	-1.11	17.48	9/3/94	2000	14700	7620	-0.20	17.87
8/26/94	0	1980	-5100	-0.14	17.90	9/3/94	2100	14760	7680	-0.31	17.82
8/26/94	100	2040	-5040	-0.09	17.92	9/3/94	2200	14820	7740	-0.14	17.90
8/26/94	200	2100	-4980	-0.08	17.92	9/3/94	2300	14880	7800	-0.13	17.90
8/26/94	300	2160	-4920	-0.06	17.93	9/4/94	0	14940	7860	-0.13	17.90
8/26/94	400	2220	-4860	-0.24	17.86	9/4/94	100	15000	7920	-0.06	17.93
8/26/94	500	2280	-4800	-0.09	17.92	9/4/94	200	15060	7980	-0.44	17.77
8/26/94	600	2340	-4740	-1.56	17.28	9/4/94	300	15120	8040	-0.08	17.92
8/26/94	700	2400	-4680	-0.28	17.84	9/4/94	400	15180	8100	-0.17	17.88
8/26/94	800	2460	-4620	-0.18	17.88	9/4/94	500	15240	8160	-0.05	17.94
8/26/94	900	2520	-4560	-0.09	17.92	9/4/94	600	15300	8220	0.03	17.97
8/26/94	1000	2580	-4500	-1.06	17.50	9/4/94	700	15360	8280	0.04	17.98
8/26/94	1100	2640	-4440	-0.20	17.87	9/4/94	800	15420	8340	-0.01	17.95
8/26/94	1200	2700	-4380	-0.13	17.90	9/4/94	900	15480	8400	-0.09	17.92
8/26/94	1300	2760	-4320	-0.11	17.91	9/4/94	1000	15540	8460	0.02	17.97
8/26/94	1400	2820	-4260	-0.09	17.92	9/4/94	1100	15600	8520	0.03	17.97
8/26/94	1500	2880	-4200	-0.16	17.89	9/4/94	1200	15660	8580	-1.14	17.46
8/26/94	1600	2940	-4140	-0.13	17.90	9/4/94	1300	15720	8640	-0.04	17.94
8/26/94	1700	3000	-4080	-0.11	17.91	9/4/94	1400	15780	8700	-0.98	17.53
8/26/94	1800	3060	-4020	-0.11	17.91	9/4/94	1500	15840	8760	-0.49	17.75
8/26/94	1900	3120	-3960	-0.50	17.74	9/4/94	1600	15900	8820	-0.06	17.93
8/26/94	2000	3180	-3900	-0.42	17.78	9/4/94	1700	15960	8880	-0.07	17.93
8/26/94	2100	3240	-3840	-2.07	17.06	9/4/94	1800	16020	8940	-0.53	17.73
8/26/94	2200	3300	-3780	-0.31	17.82	9/4/94	1900	16080	9000	-0.21	17.87
8/26/94	2300	3360	-3720	-0.37	17.80	9/4/94	2000	16140	9060	-0.08	17.92
8/27/94	0	3420	-3660	-0.29	17.84	9/4/94	2100	16200	9120	-9.06	14.04
8/27/94	100	3480	-3600	-0.18	17.88	9/4/94	2200	16260	9180	-0.20	17.87
8/27/94	200	3540	-3540	-0.29	17.84	9/4/94	2300	16320	9240	-0.13	17.90
8/27/94	300	3600	-3480	-0.14	17.90	9/5/94	0	16380	9300	-0.07	17.93
8/27/94	400	3660	-3420	-0.10	17.91	9/5/94	100	16440	9360	-0.07	17.93
8/27/94	500	3720	-3360	-0.11	17.91	9/5/94	200	16500	9420	-0.05	17.94
8/27/94	600	3780	-3300	-0.17	17.88	9/5/94	300	16560	9480	-0.02	17.95
8/27/94	700	3840	-3240	-0.17	17.88	9/5/94	400	16620	9540	0.00	17.96
8/27/94	800	3900	-3180	-1.92	17.13	9/5/94	500	16680	9600	-0.44	17.77
8/27/94	900	3960	-3120	-1.41	17.35	9/5/94	600	16740	9660	0.01	17.96
8/27/94	1000	4020	-3060	-0.24	17.85	9/5/94	700	16800	9720	0.03	17.97
8/27/94	1100	4080	-3000	-0.18	17.88	9/5/94	800	16860	9780	-0.03	17.94
8/27/94	1200	4140	-2940	-0.15	17.89	9/5/94	900	16920	9840	-0.89	17.57
8/27/94	1300	4200	-2880	-5.43	15.61	9/5/94	1000	16980	9900	-2.53	16.86
8/27/94	1400	4260	-2820	-0.22	17.86	9/5/94	1100	17040	9960	-0.76	17.63
8/27/94	1500	4320	-2760	-0.22	17.87	9/5/94	1200	17100	10020	-0.34	17.81
8/27/94	1600	4380	-2700	-0.24	17.86	9/5/94	1300	17160	10080	-1.24	17.42
8/27/94	1700	4440	-2640	-0.22	17.86	9/5/94	1400	17220	10140	-0.59	17.70
8/27/94	1800	4500	-2580	-0.20	17.87	9/5/94	1500	17280	10200	-0.45	17.76
8/27/94	1900	4560	-2520	-0.18	17.88	9/5/94	1600	17340	10260	-0.30	17.83
8/27/94	2000	4620	-2460	-0.22	17.86	9/5/94	1700	17400	10320	-0.22	17.87
8/27/94	2100	4680	-2400	-0.16	17.89	9/5/94	1800	17460	10380	-0.21	17.87
8/27/94	2200	4740	-2340	-0.15	17.89	9/5/94	1900	17520	10440	-2.75	16.77
8/27/94	2300	4800	-2280	-0.15	17.89	9/5/94	2000	17580	10500	-0.33	17.82
8/28/94	0	4860	-2220	-0.18	17.88	9/5/94	2100	17640	10560	-0.24	17.85
8/28/94	100	4920	-2160	-0.17	17.89	9/5/94	2200	17700	10620	-0.24	17.85
8/28/94	200	4980	-2100	-0.18	17.88	9/5/94	2300	17760	10680	-0.20	17.87
8/28/94	300	5040	-2040	-0.16	17.89	9/6/94	0	17820	10740	-0.18	17.88
8/28/94	400	5100	-1980	-0.15	17.89	9/6/94	100	17880	10800	-0.17	17.88
8/28/94	500	5160	-1920	-0.15	17.89	9/6/94	200	17940	10860	-0.18	17.88
8/28/94	600	5220	-1860	-0.15	17.89	9/6/94	300	18000	10920	-0.18	17.88
8/28/94	700	5280	-1800	-0.14	17.90	9/6/94	400	18060	10980	-0.16	17.89
8/28/94	800	5340	-1740	-0.19	17.88	9/6/94	500	18120	11040	-0.19	17.88

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
8/28/94	900	5400	-1680	-0.20	17.87	9/6/94	600	18180	11100	-0.18	17.88
8/28/94	1000	5460	-1620	-0.19	17.88	9/6/94	700	18240	11160	-2.09	17.05
8/28/94	1100	5520	-1560	-0.30	17.83	9/6/94	800	18300	11220	-0.24	17.85
8/28/94	1200	5580	-1500	-0.18	17.88	9/6/94	900	18360	11280	-0.21	17.87
8/28/94	1300	5640	-1440	-0.21	17.87	9/6/94	1000	18420	11340	-0.20	17.87
8/28/94	1400	5700	-1380	-0.56	17.72	9/6/94	1100	18480	11400	-0.17	17.88
8/28/94	1500	5760	-1320	-0.26	17.85	9/6/94	1200	18540	11460	-0.18	17.88
8/28/94	1600	5820	-1260	-0.26	17.85	9/6/94	1300	18600	11520	-0.23	17.86
8/28/94	1700	5880	-1200	-0.54	17.73	9/6/94	1400	18660	11580	-0.52	17.73
8/28/94	1800	5940	-1140	-7.03	14.92	9/6/94	1500	18720	11640	-0.36	17.80
8/28/94	1900	6000	-1080	-0.64	17.68	9/6/94	1600	18780	11700	-0.25	17.85
8/28/94	2000	6060	-1020	-0.53	17.73	9/6/94	1700	18840	11760	-0.25	17.85
8/28/94	2100	6120	-960	-0.48	17.75	9/6/94	1800	18900	11820	-0.28	17.84
8/28/94	2200	6180	-900	-0.73	17.64	9/6/94	1900	18960	11880	-0.31	17.82
8/28/94	2300	6240	-840	-0.55	17.72	9/6/94	2000	19020	11940	-0.35	17.81
8/29/94	0	6300	-780	-0.53	17.73	9/6/94	2100	19080	12000	-0.52	17.73
8/29/94	100	6360	-720	-1.10	17.48	9/6/94	2200	19140	12060	-0.39	17.79
8/29/94	200	6420	-660	-0.43	17.77	9/6/94	2300	19200	12120	-0.31	17.83
8/29/94	300	6480	-600	-0.40	17.79	9/7/94	0	19260	12180	-0.27	17.84
8/29/94	400	6540	-540	-0.38	17.79	9/7/94	100	19320	12240	-0.30	17.83
8/29/94	500	6600	-480	-0.35	17.81	9/7/94	200	19380	12300	-0.24	17.85
8/29/94	600	6660	-420	-3.39	16.49	9/7/94	300	19440	12360	-0.24	17.85
8/29/94	700	6720	-360	-1.81	17.17	9/7/94	400	19500	12420	-0.24	17.85
8/29/94	800	6780	-300	-0.62	17.69	9/7/94	500	19560	12480	-0.21	17.87
8/29/94	900	6840	-240	-0.43	17.77	9/7/94	600	19620	12540	-0.23	17.86
8/29/94	1000	6900	-180	-0.42	17.77	9/7/94	700	19680	12600	-1.34	17.38
8/29/94	1100	6960	-120	-0.39	17.79	9/7/94	800	19740	12660	-0.38	17.79
8/29/94	1200	7020	-60	-0.44	17.77	9/7/94	900	19800	12720	-0.25	17.85
8/29/94	1300	7080	0	-0.44	17.77	9/7/94	1000	19860	12780	-0.22	17.87
8/29/94	1400	7140	60	-0.35	17.81	9/7/94	1100	19920	12840	-0.22	17.87
8/29/94	1500	7200	120	-0.42	17.78	9/7/94	1200	19980	12900	-0.20	17.87
8/29/94	1600	7260	180	-0.33	17.82	9/7/94	1300	20040	12960	-0.19	17.88
8/29/94	1700	7320	240	-0.44	17.77	9/7/94	1400	20100	13020	-0.24	17.85
8/29/94	1800	7380	300	-0.55	17.72	9/7/94	1500	20160	13080	-0.19	17.88
8/29/94	1900	7440	360	-0.32	17.82	9/7/94	1600	20220	13140	-0.18	17.88
8/29/94	2000	7500	420	-0.31	17.82	9/7/94	1700	20280	13200	-0.16	17.89
8/29/94	2100	7560	480	-0.64	17.68	9/7/94	1800	20340	13260	-0.20	17.87
8/29/94	2200	7620	540	-0.30	17.83	9/7/94	1900	20400	13320	-0.21	17.87
8/29/94	2300	7680	600	-0.55	17.72	9/7/94	2000	20460	13380	-0.19	17.88
8/30/94	0	7740	660	-0.24	17.85	9/7/94	2100	20520	13440	-0.14	17.90
8/30/94	100	7800	720	-0.89	17.57	9/7/94	2200	20580	13500	-0.18	17.88
8/30/94	200	7860	780	-0.39	17.79	9/7/94	2300	20640	13560	-0.16	17.89
8/30/94	300	7920	840	-0.20	17.87	9/8/94	0	20700	13620	-0.11	17.91
8/30/94	400	7980	900	-0.18	17.88	9/8/94	100	20760	13680	-0.10	17.92
8/30/94	500	8040	960	-0.13	17.90	9/8/94	200	20820	13740	-0.09	17.92
8/30/94	600	8100	1020	-0.82	17.60	9/8/94	300	20880	13800	-0.07	17.93
8/30/94	700	8160	1080	-0.66	17.67	9/8/94	400	20940	13860	-0.03	17.94
8/30/94	800	8220	1140	-0.25	17.85	9/8/94	500	21000	13920	-0.03	17.94
8/30/94	900	8280	1200	-4.96	15.81	9/8/94	600	21060	13980	-0.06	17.93
8/30/94	1000	8340	1260	-0.32	17.82	9/8/94	700	21120	14040	-0.11	17.91
8/30/94	1100	8400	1320	-0.73	17.64	9/8/94	800	21180	14100	-0.18	17.88
8/30/94	1200	8460	1380	-0.31	17.83	9/8/94	900	21240	14160	-0.09	17.92
8/30/94	1300	8520	1440	-0.18	17.88	9/8/94	1000	21300	14220	-0.42	17.77
8/30/94	1400	8580	1500	-0.41	17.78	9/8/94	1100	21360	14280	-0.13	17.90
8/30/94	1500	8640	1560	-0.17	17.88	9/8/94	1200	21420	14340	-0.10	17.92
8/30/94	1600	8700	1620	-0.16	17.89	9/8/94	1300	21480	14400	-0.07	17.93
8/30/94	1700	8760	1680	-0.18	17.88	9/8/94	1400	21540	14460	-0.07	17.93
8/30/94	1800	8820	1740	-0.13	17.90	9/8/94	1500	21600	14520	-0.07	17.93
8/30/94	1900	8880	1800	-0.79	17.62	9/8/94	1600	21660	14580	-0.09	17.92
8/30/94	2000	8940	1860	-0.13	17.90	9/8/94	1700	21720	14640	-0.10	17.91
8/30/94	2100	9000	1920	-2.13	17.04	9/8/94	1800	21780	14700	-0.11	17.91
8/30/94	2200	9060	1980	-0.40	17.79	9/8/94	1900	21840	14760	-0.11	17.91
8/30/94	2300	9120	2040	-0.38	17.79	9/8/94	2000	21900	14820	-0.13	17.90
8/31/94	0	9180	2100	-0.17	17.89	9/8/94	2100	21960	14880	-0.16	17.89
8/31/94	100	9240	2160	-0.34	17.81	9/8/94	2200	22020	14940	-0.18	17.88
8/31/94	200	9300	2220	-0.18	17.88	9/8/94	2300	22080	15000	-0.17	17.88
8/31/94	300	9360	2280	-0.24	17.85	9/9/94	0	22140	15060	-0.11	17.91
8/31/94	400	9420	2340	-0.17	17.88	9/9/94	100	22200	15120	-0.10	17.91
8/31/94	500	9480	2400	-0.15	17.89	9/9/94	200	22260	15180	-0.09	17.92
8/31/94	600	9540	2460	-1.91	17.13	9/9/94	300	22320	15240	-0.11	17.91
8/31/94	700	9600	2520	-6.64	15.08	9/9/94	400	22380	15300	-0.09	17.92
8/31/94	800	9660	2580	-0.45	17.76	9/9/94	500	22440	15360	-0.09	17.92
8/31/94	900	9720	2640	-0.31	17.82	9/9/94	600	22500	15420	-0.08	17.92
8/31/94	1000	9780	2700	-0.36	17.80	9/9/94	700	22560	15480	-0.64	17.68
8/31/94	1100	9840	2760	-0.31	17.83	9/9/94	800	22620	15540	-0.24	17.86
8/31/94	1200	9900	2820	-0.51	17.74	9/9/94	900	22680	15600	-0.22	17.87
8/31/94	1300	9960	2880	-0.61	17.69	9/9/94	1000	22740	15660	-0.17	17.88
8/31/94	1400	10020	2940	-0.29	17.83	9/9/94	1100	22800	15720	-0.14	17.90
8/31/94	1500	10080	3000	-0.58	17.71	9/9/94	1200	22860	15780	-0.60	17.70
8/31/94	1600	10140	3060	-0.29	17.83	9/9/94	1300	22920	15840	-0.13	17.90
8/31/94	1700	10200	3120	-0.33	17.82	9/9/94	1400	22980	15900	-0.11	17.91
8/31/94	1800	10260	3180	-0.63	17.69	9/9/94	1500	23040	15960	-0.13	17.90
8/31/94	1900	10320	3240	-0.33	17.81	9/9/94	1600	23100	16020	-0.15	17.89
8/31/94	2000	10380	3300	-0.31	17.83	9/9/94	1700	23160	16080	-0.18	17.88
8/31/94	2100	10440	3360	-0.27	17.84	9/9/94	1800	23220	16140	-0.23	17.86
8/31/94	2200	10500	3420	-0.52	17.73	9/9/94	1900	23280	16200	-5.52	15.57
8/31/94	2300	10560	3480	-0.40	17.78	9/9/94	2000	23340	16260	-1.72	17.21
9/1/94	0	10620	3540	-1.34	17.38	9/9/94	2100	23400	16320	-2.77	16.76
9/1/94	100	10680	3600	-0.35	17.81	9/9/94	2200	23460	16380	-0.69	17.66
9/1/94	200	10740	3660	-0.28	17.84	9/9/94	2300	23520	16440	-2.15	17.03
9/1/94	300	10800	3720	-0.26	17.85	9/10/94	0	23580	16500	-0.35	17.81
9/1/94	400	10860	3780	-0.25	17.85	9/10/94	100	23640	16560	-0.18	17.88
9/1/94	500	10920	3840	-0.23	17.86	9/10/94	200	23700	16620	-0.15	17.89
9/1/94	600	10980	3900	-0.89	17.57	9/10/94	300	23760	16680	-0.12	17.91
9/1/94	700	11040	3960	-0.49	17.75	9/10/94	400	23820	16740	-0.10	17.91
9/1/94	800	11100	4020	-1.27	17.41	9/10/94	500	23880	16800	-0.07	17.93
9/1/94	900	11160	4080	-2.81	16.74	9/10/94	600	23940	16860	-0.05	17.94
9/1/94	1000	11220	4140	-0.31	17.82	9/10/94	700	24000	16920	-0.07	17.93
9/1/94	1100	11280	4200	-0.23	17.86	9/10/94	800	24060	16980	-0.47	17.75
9/1/94	1200	11340	4260	-0.21	17.87	9/10/94	900	24120	17040	-0.15	17.89
9/1/94	1300	11400	4320	-0.24	17.86	9/10/94	1000	24180	17100	-0.08	17.92
9/1/94	1400	11460	4380	-0.22	17.86	9/10/94	1100	24240	17160	-5.55	15.56

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
9/1/94	1500	11520	4440	-0.21	17.87	9/10/94	1200	24300	17220	-5.47	15.59
9/1/94	1600	11580	4500	-0.24	17.85	9/10/94	1300	24360	17280	-2.33	16.95
9/1/94	1700	11640	4560	-0.21	17.87	9/10/94	1400	24420	17340	-1.45	17.33
9/1/94	1800	11700	4620	-0.15	17.89	9/10/94	1500	24480	17400	-0.36	17.80
9/1/94	1900	11760	4680	-0.21	17.87	9/10/94	1600	24540	17460	-1.17	17.45
9/1/94	2000	11820	4740	-0.18	17.88	9/10/94	1700	24600	17520	-0.41	17.78
9/1/94	2100	11880	4800	-0.16	17.89	9/10/94	1800	24660	17580	-0.71	17.65
9/1/94	2200	11940	4860	-0.09	17.92	9/10/94	1900	24720	17640	-0.26	17.85
9/1/94	2300	12000	4920	-0.15	17.89	9/10/94	2000	24780	17700	-0.66	17.67
9/2/94	0	12060	4980	-0.38	17.79	9/10/94	2100	24840	17760	-0.32	17.82
9/2/94	100	12120	5040	-0.13	17.90	9/10/94	2200	24900	17820	-1.35	17.37
9/2/94	200	12180	5100	-0.04	17.94	9/10/94	2300	24960	17880	-0.93	17.56
9/2/94	300	12240	5160	-0.03	17.94	9/11/94	0	25020	17940	-0.31	17.83
9/2/94	400	12300	5220	-0.05	17.94	9/11/94	100	25080	18000	-0.68	17.67
9/2/94	500	12360	5280	-0.01	17.95	9/11/94	200	25140	18060	-0.26	17.85
9/2/94	600	12420	5340	-2.09	17.06	9/11/94	300	25200	18120	-1.61	17.26
9/2/94	700	12480	5400	-0.18	17.88	9/11/94	400	25260	18180	-0.20	17.87
9/2/94	800	12540	5460	-0.21	17.87	9/11/94	500	25320	18240	-0.14	17.90
9/2/94	900	12600	5520	-0.65	17.68	9/11/94	600	25380	18300	-0.10	17.91
9/2/94	1000	12660	5580	-0.06	17.93	9/11/94	700	25440	18360	-0.04	17.94
9/2/94	1100	12720	5640	-0.48	17.75	9/11/94	800	25500	18420	-0.40	17.78
						9/11/94	900	25560	18480	-0.10	17.92
						9/11/94	1000	25620	18540	-0.15	17.89
						9/11/94	1100	25680	18600	-0.15	17.89
						9/11/94	1200	25740	18660	-1.07	17.50
						9/11/94	1300	25800	18720	-1.60	17.26
						9/11/94	1400	25860	18780	-0.48	17.75
						9/11/94	1500	25920	18840	-0.37	17.80
						9/11/94	1600	25980	18900	-0.45	17.76
						9/11/94	1700	26040	18960	-0.95	17.55
						9/11/94	1800	26100	19020	-0.95	17.55
						9/11/94	1900	26160	19080	-0.29	17.83
						9/11/94	2000	26220	19140	-0.24	17.85
						9/11/94	2100	26280	19200	-1.41	17.35
						9/11/94	2200	26340	19260	-0.24	17.86
						9/11/94	2300	26400	19320	-1.42	17.34
						9/12/94	0	26460	19380	-0.13	17.90
						9/12/94	100	26520	19440	-0.09	17.92
						9/12/94	200	26580	19500	-0.33	17.81
						9/12/94	300	26640	19560	-0.06	17.93
						9/12/94	400	26700	19620	-0.01	17.95
						9/12/94	500	26760	19680	0.01	17.96
						9/12/94	600	26820	19740	-0.96	17.54
						9/12/94	700	26880	19800	-0.42	17.78
						9/12/94	800	26940	19860	-0.34	17.81
						9/12/94	900	27000	19920	-0.12	17.91
						9/12/94	1000	27060	19980	-0.13	17.90
						9/12/94	1100	27120	20040	-0.23	17.86
						9/12/94	1200	27180	20100	-0.02	17.95
						9/12/94	1300	27240	20160	0.00	17.96
						9/12/94	1400	27300	20220	-0.02	17.95
						9/12/94	1500	27360	20280	-0.01	17.95

MERCADO DOMESTIC WELL

Emery & Garrett Groundwater, Inc.

PUMPING TEST DATA SHEET FOR MERCADO DOMESTIC WELL

PROJECT: New Baltimore, Virginia
SUBCONTRACTOR: Valley Drilling
PUMPING WELL (S): E-1, E-6, E-7

MONITORING WELL: Mercado Well
STATIC WATER LEVEL: NA
MAXIMUM DRAWDOWN: NA
MEASURING POINT: NA

	Date	Hour	Minute
Start of Pumping:	8/29/94	13	0
Start of Recovery:	9/2/94	12	0

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
8/24/94	1500	0	-7080	0.00	28.78	9/2/94	1200	12780	5700	-4.21	26.96
8/24/94	1600	60	-7020	0.10	28.82	9/2/94	1300	12840	5760	-1.99	27.92
8/24/94	1700	120	-6960	-0.10	28.74	9/2/94	1400	12900	5820	-6.54	25.95
8/24/94	1800	180	-6900	-1.76	28.02	9/2/94	1500	12960	5880	-1.65	28.07
8/24/94	1900	240	-6840	-4.77	26.72	9/2/94	1600	13020	5940	-2.98	27.49
8/24/94	2000	300	-6780	-0.54	28.55	9/2/94	1700	13080	6000	-1.53	28.12
8/24/94	2100	360	-6720	-5.01	26.61	9/2/94	1800	13140	6060	-1.98	27.92
8/24/94	2200	420	-6660	-2.92	27.52	9/2/94	1900	13200	6120	-1.59	28.09
8/24/94	2300	480	-6600	-0.16	28.71	9/2/94	2000	13260	6180	-1.96	27.94
8/25/94	0	540	-6540	-0.43	28.59	9/2/94	2100	13320	6240	-2.29	27.79
8/25/94	100	600	-6480	-0.07	28.75	9/2/94	2200	13380	6300	-3.32	27.34
8/25/94	200	660	-6420	-0.01	28.78	9/2/94	2300	13440	6360	-2.43	27.73
8/25/94	300	720	-6360	-4.02	27.04	9/3/94	0	13500	6420	-1.63	28.08
8/25/94	400	780	-6300	0.03	28.80	9/3/94	100	13560	6480	-1.77	28.01
8/25/94	500	840	-6240	0.04	28.80	9/3/94	200	13620	6540	-5.53	26.39
8/25/94	600	900	-6180	0.01	28.79	9/3/94	300	13680	6600	-1.67	28.06
8/25/94	700	960	-6120	-0.05	28.76	9/3/94	400	13740	6660	-4.12	27.00
8/25/94	800	1020	-6060	-0.25	28.67	9/3/94	500	13800	6720	-1.55	28.11
8/25/94	900	1080	-6000	-6.83	25.82	9/3/94	600	13860	6780	-3.23	27.38
8/25/94	1000	1140	-5940	-1.84	27.99	9/3/94	700	13920	6840	-4.04	27.03
8/25/94	1100	1200	-5880	-0.23	28.68	9/3/94	800	13980	6900	-7.00	25.75
8/25/94	1200	1260	-5820	-0.19	28.70	9/3/94	900	14040	6960	-1.95	27.94
8/25/94	1300	1320	-5760	-1.73	28.03	9/3/94	1000	14100	7020	-5.48	26.41
8/25/94	1400	1380	-5700	-0.81	28.43	9/3/94	1100	14160	7080	-5.70	26.32
8/25/94	1500	1440	-5640	-0.22	28.69	9/3/94	1200	14220	7140	-2.74	27.60
8/25/94	1600	1500	-5580	-3.70	27.18	9/3/94	1300	14280	7200	-1.67	28.06
8/25/94	1700	1560	-5520	-0.69	28.49	9/3/94	1400	14340	7260	-1.50	28.13
8/25/94	1800	1620	-5460	-2.73	27.60	9/3/94	1500	14400	7320	-4.38	26.89
8/25/94	1900	1680	-5400	-0.45	28.58	9/3/94	1600	14460	7380	-1.47	28.15
8/25/94	2000	1740	-5340	-0.58	28.53	9/3/94	1700	14520	7440	-1.45	28.15
8/25/94	2100	1800	-5280	-0.49	28.57	9/3/94	1800	14580	7500	-5.90	26.23
8/25/94	2200	1860	-5220	-0.47	28.58	9/3/94	1900	14640	7560	-1.64	28.07
8/25/94	2300	1920	-5160	-0.38	28.62	9/3/94	2000	14700	7620	-1.54	28.12
8/26/94	0	1980	-5100	-2.85	27.55	9/3/94	2100	14760	7680	-2.98	27.49
8/26/94	100	2040	-5040	-0.37	28.62	9/3/94	2200	14820	7740	-1.59	28.09
8/26/94	200	2100	-4980	-4.91	25.66	9/3/94	2300	14880	7800	-4.88	26.67
8/26/94	300	2160	-4920	-0.36	28.62	9/4/94	0	14940	7860	-1.46	28.15
8/26/94	400	2220	-4860	-2.50	27.70	9/4/94	100	15000	7920	-1.47	28.15
8/26/94	500	2280	-4800	-0.38	28.62	9/4/94	200	15060	7980	-1.42	28.17
8/26/94	600	2340	-4740	-0.50	28.57	9/4/94	300	15120	8040	-1.54	28.12
8/26/94	700	2400	-4680	-1.10	28.30	9/4/94	400	15180	8100	-3.51	27.26
8/26/94	800	2460	-4620	-0.52	28.56	9/4/94	500	15240	8160	-1.43	28.16
8/26/94	900	2520	-4560	-1.41	28.17	9/4/94	600	15300	8220	-5.18	26.54
8/26/94	1000	2580	-4500	-5.68	26.32	9/4/94	700	15360	8280	-1.42	28.17
8/26/94	1100	2640	-4440	-0.70	28.48	9/4/94	800	15420	8340	-1.45	28.15
8/26/94	1200	2700	-4380	-0.58	28.53	9/4/94	900	15480	8400	-1.41	28.17
8/26/94	1300	2760	-4320	-0.60	28.52	9/4/94	1000	15540	8460	-7.57	25.50
8/26/94	1400	2820	-4260	-0.87	28.41	9/4/94	1100	15600	8520	-4.97	26.63
8/26/94	1500	2880	-4200	-1.47	28.14	9/4/94	1200	15660	8580	-2.33	27.77
8/26/94	1600	2940	-4140	-7.03	25.74	9/4/94	1300	15720	8640	-2.10	27.87
8/26/94	1700	3000	-4080	-1.05	28.33	9/4/94	1400	15780	8700	-4.70	26.75
8/26/94	1800	3060	-4020	-4.70	26.75	9/4/94	1500	15840	8760	-1.57	28.10
8/26/94	1900	3120	-3960	-0.90	28.39	9/4/94	1600	15900	8820	-1.56	28.10
8/26/94	2000	3180	-3900	-6.51	25.96	9/4/94	1700	15960	8880	-1.76	28.02
8/26/94	2100	3240	-3840	-0.66	28.49	9/4/94	1800	16020	8940	-1.93	27.95
8/26/94	2200	3300	-3780	-0.70	28.48	9/4/94	1900	16080	9000	-1.63	28.07
8/26/94	2300	3360	-3720	-0.67	28.49	9/4/94	2000	16140	9060	-2.35	27.76
8/27/94	0	3420	-3660	-0.78	28.45	9/4/94	2100	16200	9120	-2.64	27.64
8/27/94	100	3480	-3600	-0.65	28.50	9/4/94	2200	16260	9180	-2.40	27.74
8/27/94	200	3540	-3540	-0.65	28.50	9/4/94	2300	16320	9240	-1.56	28.11
8/27/94	300	3600	-3480	-0.64	28.50	9/5/94	0	16380	9300	-3.71	27.18
8/27/94	400	3660	-3420	-0.65	28.50	9/5/94	100	16440	9360	-1.59	28.09
8/27/94	500	3720	-3360	-0.72	28.47	9/5/94	200	16500	9420	-1.55	28.11
8/27/94	600	3780	-3300	-0.92	28.38	9/5/94	300	16560	9480	-1.59	28.09
8/27/94	700	3840	-3240	-0.61	28.52	9/5/94	400	16620	9540	-1.54	28.11
8/27/94	800	3900	-3180	-0.66	28.49	9/5/94	500	16680	9600	-1.68	28.05
8/27/94	900	3960	-3120	-1.62	28.08	9/5/94	600	16740	9660	-1.57	28.10
8/27/94	1000	4020	-3060	-1.04	28.33	9/5/94	700	16800	9720	-5.85	26.25
8/27/94	1100	4080	-3000	-0.92	28.38	9/5/94	800	16860	9780	-1.80	28.00
8/27/94	1200	4140	-2940	-0.75	28.46	9/5/94	900	16920	9840	-1.64	28.07
8/27/94	1300	4200	-2880	-6.30	26.05	9/5/94	1000	16980	9900	-1.66	28.07
8/27/94	1400	4260	-2820	-6.49	25.97	9/5/94	1100	17040	9960	-1.64	28.07
8/27/94	1500	4320	-2760	-7.11	25.71	9/5/94	1200	17100	10020	-7.06	25.73
8/27/94	1600	4380	-2700	-1.89	27.96	9/5/94	1300	17160	10080	-1.67	28.06
8/27/94	1700	4440	-2640	-1.20	28.26	9/5/94	1400	17220	10140	-1.76	28.02
8/27/94	1800	4500	-2580	-5.89	26.23	9/5/94	1500	17280	10200	-1.99	27.92
8/27/94	1900	4560	-2520	-1.72	28.04	9/5/94	1600	17340	10260	-1.88	27.97
8/27/94	2000	4620	-2460	-1.50	28.13	9/5/94	1700	17400	10320	-1.77	28.02
8/27/94	2100	4680	-2400	-0.96	28.37	9/5/94	1800	17460	10380	-4.12	27.00
8/27/94	2200	4740	-2340	-1.27	28.23	9/5/94	1900	17520	10440	-1.79	28.01
8/27/94	2300	4800	-2280	-1.50	28.13	9/5/94	2000	17580	10500	-1.84	27.99
8/28/94	0	4860	-2220	-0.90	28.39	9/5/94	2100	17640	10560	-4.98	26.63
8/28/94	100	4920	-2160	-0.88	28.40	9/5/94	2200	17700	10620	-7.88	25.37
8/28/94	200	4980	-2100	-0.92	28.39	9/5/94	2300	17760	10680	-5.22	26.52
8/28/94	300	5040	-2040	-0.89	28.40	9/6/94	0	17820	10740	-1.84	27.99
8/28/94	400	5100	-1980	-0.91	28.39	9/6/94	100	17880	10800	-1.86	27.98
8/28/94	500	5160	-1920	-1.25	28.24	9/6/94	200	17940	10860	-1.80	28.00
8/28/94	600	5220	-1860	-0.93	28.38	9/6/94	300	18000	10920	-1.85	27.98
8/28/94	700	5280	-1800	-1.14	28.29	9/6/94	400	18060	10980	-1.81	28.00
8/28/94	800	5340	-1740	-4.02	27.04	9/6/94	500	18120	11040	-2.16	27.85

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time	Geokon Cum.	Test Cum.	Drawdown	Geokon	Date	24 Hour Time	Geokon Cum	Test Cum.	Drawdown	Geokon
	Hour/Min.	Time (min.)	Time (min.)	(feet)	Reading		Hour/Min.	Time (min.)	Time (min.)	(feet)	Reading
8/28/94	900	5400	-1680	-1.09	28.31	9/6/94	600	18180	11100	-1.77	28.02
8/28/94	1000	5460	-1620	-6.81	25.84	9/6/94	700	18240	11160	-2.36	27.76
8/28/94	1100	5520	-1560	-9.25	24.78	9/6/94	800	18300	11220	-2.73	27.60
8/28/94	1200	5580	-1500	-1.44	28.16	9/6/94	900	18360	11280	-7.69	25.45
8/28/94	1300	5640	-1440	-1.29	28.22	9/6/94	1000	18420	11340	-2.13	27.86
8/28/94	1400	5700	-1380	-1.14	28.29	9/6/94	1100	18480	11400	-6.97	25.76
8/28/94	1500	5760	-1320	-3.08	27.45	9/6/94	1200	18540	11460	-6.83	25.82
8/28/94	1600	5820	-1260	-5.29	26.49	9/6/94	1300	18600	11520	-1.94	27.94
8/28/94	1700	5880	-1200	-6.37	26.02	9/6/94	1400	18660	11580	-5.01	26.61
8/28/94	1800	5940	-1140	-1.23	28.25	9/6/94	1500	18720	11640	-1.94	27.94
8/28/94	1900	6000	-1080	-3.17	28.28	9/6/94	1600	18780	11700	-8.85	24.95
8/28/94	2000	6060	-1020	-1.22	28.25	9/6/94	1700	18840	11760	-2.69	27.62
8/28/94	2100	6120	-960	-1.21	28.26	9/6/94	1800	18900	11820	-2.47	27.71
8/28/94	2200	6180	-900	-2.02	27.91	9/6/94	1900	18960	11880	-8.35	25.17
8/28/94	2300	6240	-840	-1.43	28.16	9/6/94	2000	19020	11940	-2.42	27.73
8/29/94	0	6300	-780	-1.22	28.25	9/6/94	2100	19080	12000	-6.82	25.83
8/29/94	100	6360	-720	-1.14	28.29	9/6/94	2200	19140	12060	-6.70	25.88
8/29/94	200	6420	-660	-1.18	28.27	9/6/94	2300	19200	12120	-2.01	27.91
8/29/94	300	6480	-600	-1.13	28.29	9/7/94	0	19260	12180	-2.02	27.91
8/29/94	400	6540	-540	-1.21	28.26	9/7/94	100	19320	12240	-2.02	27.91
8/29/94	500	6600	-480	-1.15	28.28	9/7/94	200	19380	12300	-1.96	27.93
8/29/94	600	6660	-420	-1.79	28.01	9/7/94	300	19440	12360	-1.97	27.93
8/29/94	700	6720	-360	-2.04	27.90	9/7/94	400	19500	12420	-1.98	27.92
8/29/94	800	6780	-300	-1.27	28.23	9/7/94	500	19560	12480	-2.11	27.87
8/29/94	900	6840	-240	-4.06	27.02	9/7/94	600	19620	12540	-2.56	27.68
8/29/94	1000	6900	-180	-10.19	24.37	9/7/94	700	19680	12600	-2.24	27.81
8/29/94	1100	6960	-120	-1.81	28.00	9/7/94	800	19740	12660	-2.49	27.70
8/29/94	1200	7020	-60	-1.35	28.20	9/7/94	900	19800	12720	-2.15	27.85
8/29/94	1300	7080	0	-1.72	28.04	9/7/94	1000	19860	12780	-6.65	25.90
8/29/94	1400	7140	60	-2.96	27.50	9/7/94	1100	19920	12840	-2.73	27.60
8/29/94	1500	7200	120	-1.49	28.14	9/7/94	1200	19980	12900	-2.01	27.91
8/29/94	1600	7260	180	-5.93	26.21	9/7/94	1300	20040	12960	-2.00	27.92
8/29/94	1700	7320	240	-1.89	27.96	9/7/94	1400	20100	13020	-2.04	27.90
8/29/94	1800	7380	300	-1.32	28.21	9/7/94	1500	20160	13080	-2.43	27.73
8/29/94	1900	7440	360	-1.88	27.97	9/7/94	1600	20220	13140	-2.66	27.63
8/29/94	2000	7500	420	-4.04	27.03	9/7/94	1700	20280	13200	-3.11	27.44
8/29/94	2100	7560	480	-5.35	26.47	9/7/94	1800	20340	13260	-7.41	25.57
8/29/94	2200	7620	540	-1.58	28.10	9/7/94	1900	20400	13320	-2.09	27.88
8/29/94	2300	7680	600	-1.50	28.13	9/7/94	2000	20460	13380	-7.19	25.67
8/30/94	0	7740	660	-2.15	27.85	9/7/94	2100	20520	13440	-5.15	26.55
8/30/94	100	7800	720	-1.20	28.26	9/7/94	2200	20580	13500	-2.12	27.86
8/30/94	200	7860	780	-1.59	28.09	9/7/94	2300	20640	13560	-2.23	27.82
8/30/94	300	7920	840	-3.92	27.09	9/8/94	0	20700	13620	-1.98	27.92
8/30/94	400	7980	900	-1.16	28.28	9/8/94	100	20760	13680	-1.99	27.92
8/30/94	500	8040	960	-1.19	28.27	9/8/94	200	20820	13740	-1.92	27.95
8/30/94	600	8100	1020	-1.21	28.26	9/8/94	300	20880	13800	-1.91	27.95
8/30/94	700	8160	1080	-7.39	25.58	9/8/94	400	20940	13860	-2.93	27.52
8/30/94	800	8220	1140	-1.13	28.29	9/8/94	500	21000	13920	-2.65	27.64
8/30/94	900	8280	1200	-1.16	28.28	9/8/94	600	21060	13980	-2.03	27.90
8/30/94	1000	8340	1260	-5.20	26.53	9/8/94	700	21120	14040	-2.89	27.53
8/30/94	1100	8400	1320	-1.29	28.22	9/8/94	800	21180	14100	-2.24	27.81
8/30/94	1200	8460	1380	-4.86	26.68	9/8/94	900	21240	14160	-1.92	27.95
8/30/94	1300	8520	1440	-1.84	27.98	9/8/94	1000	21300	14220	-4.16	26.98
8/30/94	1400	8580	1500	-2.33	27.77	9/8/94	1100	21360	14280	-1.86	27.97
8/30/94	1500	8640	1560	-1.46	28.15	9/8/94	1200	21420	14340	-1.88	27.97
8/30/94	1600	8700	1620	-1.51	28.13	9/8/94	1300	21480	14400	-1.86	27.97
8/30/94	1700	8760	1680	-2.44	27.73	9/8/94	1400	21540	14460	-1.93	27.95
8/30/94	1800	8820	1740	-6.28	26.06	9/8/94	1500	21600	14520	-1.90	27.96
8/30/94	1900	8880	1800	-8.66	25.03	9/8/94	1600	21660	14580	-1.93	27.95
8/30/94	2000	8940	1860	-2.11	27.87	9/8/94	1700	21720	14640	-1.91	27.95
8/30/94	2100	9000	1920	-5.90	26.23	9/8/94	1800	21780	14700	-4.47	26.85
8/30/94	2200	9060	1980	-3.03	27.47	9/8/94	1900	21840	14760	-9.81	24.53
8/30/94	2300	9120	2040	-4.73	26.73	9/8/94	2000	21900	14820	-13.49	22.94
8/31/94	0	9180	2100	-1.45	28.16	9/8/94	2100	21960	14880	-6.02	26.18
8/31/94	100	9240	2160	-1.27	28.23	9/8/94	2200	22020	14940	-5.29	26.49
8/31/94	200	9300	2220	-1.28	28.23	9/8/94	2300	22080	15000	-2.48	27.71
8/31/94	300	9360	2280	-5.54	26.38	9/9/94	0	22140	15060	-3.39	27.32
8/31/94	400	9420	2340	-1.26	28.24	9/9/94	100	22200	15120	-2.02	27.91
8/31/94	500	9480	2400	-1.45	28.15	9/9/94	200	22260	15180	-2.40	27.74
8/31/94	600	9540	2460	-1.34	28.20	9/9/94	300	22320	15240	-3.11	27.43
8/31/94	700	9600	2520	-3.78	27.15	9/9/94	400	22380	15300	-2.01	27.91
8/31/94	800	9660	2580	-2.26	27.81	9/9/94	500	22440	15360	-2.27	27.80
8/31/94	900	9720	2640	-1.51	28.13	9/9/94	600	22500	15420	-7.44	25.56
8/31/94	1000	9780	2700	-1.49	28.14	9/9/94	700	22560	15480	-2.19	27.83
8/31/94	1100	9840	2760	-2.86	27.54	9/9/94	800	22620	15540	-2.45	27.72
8/31/94	1200	9900	2820	-1.84	27.99	9/9/94	900	22680	15600	-2.06	27.89
8/31/94	1300	9960	2880	-1.67	28.06	9/9/94	1000	22740	15660	-6.34	26.04
8/31/94	1400	10020	2940	-5.64	26.34	9/9/94	1100	22800	15720	-2.85	27.55
8/31/94	1500	10080	3000	-1.59	28.09	9/9/94	1200	22860	15780	-2.06	27.89
8/31/94	1600	10140	3060	-5.83	26.26	9/9/94	1300	22920	15840	-2.06	27.89
8/31/94	1700	10200	3120	-5.15	26.55	9/9/94	1400	22980	15900	-6.26	26.07
8/31/94	1800	10260	3180	-8.00	25.32	9/9/94	1500	23040	15960	-2.11	27.87
8/31/94	1900	10320	3240	-3.10	27.44	9/9/94	1600	23100	16020	-2.37	27.75
8/31/94	2000	10380	3300	-7.50	25.54	9/9/94	1700	23160	16080	-3.51	27.26
8/31/94	2100	10440	3360	-1.43	28.16	9/9/94	1800	23220	16140	-2.31	27.78
8/31/94	2200	10500	3420	-5.39	26.45	9/9/94	1900	23280	16200	-2.09	27.88
8/31/94	2300	10560	3480	-1.67	28.06	9/9/94	2000	23340	16260	-5.78	26.28
9/1/94	0	10620	3540	-1.79	28.01	9/9/94	2100	23400	16320	-2.65	27.63
9/1/94	100	10680	3600	-1.45	28.16	9/9/94	2200	23460	16380	-2.14	27.86
9/1/94	200	10740	3660	-1.56	28.11	9/9/94	2300	23520	16440	-2.16	27.85
9/1/94	300	10800	3720	-1.47	28.14	9/10/94	0	23580	16500	-2.05	27.90
9/1/94	400	10860	3780	-1.45	28.16	9/10/94	100	23640	16560	-2.08	27.88
9/1/94	500	10920	3840	-2.75	27.59	9/10/94	200	23700	16620	-2.74	27.60
9/1/94	600	10980	3900	-2.75	27.59	9/10/94	300	23760	16680	-2.04	27.90
9/1/94	700	11040	3960	-1.38	28.18	9/10/94	400	23820	16740	-2.05	27.90
9/1/94	800	11100	4020	-12.09	23.55	9/10/94	500	23880	16800	-2.09	27.88
9/1/94	900	11160	4080	-3.24	27.38	9/10/94	600	23940	16860	-3.93	27.08
9/1/94	1000	11220	4140	-2.08	27.88	9/10/94	700	24000	16920	-6.68	25.89
9/1/94	1100	11280	4200	-1.72	28.04	9/10/94	800	24060	16980	-2.05	27.89
9/1/94	1200	11340	4260	-2.20	27.83	9/10/94	900	24120	17040	-7.23	25.65
9/1/94	1300	11400	4320	-4.26	26.94	9/10/94	1000	24180	17100	-5.60	26.36
9/1/94	1400	11460	4380	-2.68	27.62	9/10/94	1100	24240	17160	-8.02	25.31

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
9/1/94	1500	11520	4440	-2.05	27.90	9/10/94	1200	24300	17220	-3.98	27.66
9/1/94	1600	11580	4500	-3.52	27.26	9/10/94	1300	24360	17280	-5.60	26.36
9/1/94	1700	11640	4560	-1.31	28.20	9/10/94	1400	24420	17340	-2.27	27.80
9/1/94	1800	11700	4620	-11.17	23.95	9/10/94	1500	24480	17400	-4.57	26.80
9/1/94	1900	11760	4680	-1.47	28.15	9/10/94	1600	24540	17460	-2.44	27.73
9/1/94	2000	11820	4740	-15.33	22.15	9/10/94	1700	24600	17520	-4.21	26.96
9/1/94	2100	11880	4800	-5.29	26.49	9/10/94	1800	24660	17580	-2.89	27.53
9/1/94	2200	11940	4860	-10.57	24.20	9/10/94	1900	24720	17640	-3.02	27.48
9/1/94	2300	12000	4920	-2.11	27.87	9/10/94	2000	24780	17700	-4.37	26.89
9/2/94	0	12060	4980	-1.52	28.12	9/10/94	2100	24840	17760	-2.20	27.83
9/2/94	100	12120	5040	-1.42	28.17	9/10/94	2200	24900	17820	-17.03	21.41
9/2/94	200	12180	5100	-3.10	27.44	9/10/94	2300	24960	17880	-3.18	27.41
9/2/94	300	12240	5160	-1.33	28.21	9/11/94	0	25020	17940	-6.88	25.80
9/2/94	400	12300	5220	-1.46	28.15	9/11/94	100	25080	18000	-2.16	27.85
9/2/94	500	12360	5280	-2.21	27.83	9/11/94	200	25140	18060	-2.14	27.85
9/2/94	600	12420	5340	-1.54	28.12	9/11/94	300	25200	18120	-5.44	26.43
9/2/94	700	12480	5400	-10.21	24.36	9/11/94	400	25260	18180	-2.07	27.88
9/2/94	800	12540	5460	-2.62	27.65	9/11/94	500	25320	18240	-2.26	27.81
9/2/94	900	12600	5520	-1.53	28.12	9/11/94	600	25380	18300	-3.38	27.32
9/2/94	1000	12660	5580	-4.75	26.72	9/11/94	700	25440	18360	-2.77	27.58
9/2/94	1100	12720	5640	-1.73	28.03	9/11/94	800	25500	18420	-3.29	27.36
						9/11/94	900	25560	18480	-5.52	26.39
						9/11/94	1000	25620	18540	-2.23	27.82
						9/11/94	1100	25680	18600	-2.14	27.85
						9/11/94	1200	25740	18660	-2.10	27.87
						9/11/94	1300	25800	18720	-10.36	24.30
						9/11/94	1400	25860	18780	-8.91	24.93
						9/11/94	1500	25920	18840	-3.48	27.28
						9/11/94	1600	25980	18900	-8.34	25.17
						9/11/94	1700	26040	18960	-3.93	27.08
						9/11/94	1800	26100	19020	-5.38	26.45
						9/11/94	1900	26160	19080	-5.32	26.48
						9/11/94	2000	26220	19140	-5.15	26.55
						9/11/94	2100	26280	19200	-7.37	25.59
						9/11/94	2200	26340	19260	-2.16	27.84
						9/11/94	2300	26400	19320	-2.11	27.87
						9/12/94	0	26460	19380	-2.14	27.85
						9/12/94	100	26520	19440	-2.12	27.86
						9/12/94	200	26580	19500	-2.09	27.88
						9/12/94	300	26640	19560	-2.05	27.89
						9/12/94	400	26700	19620	-2.06	27.89
						9/12/94	500	26760	19680	-2.43	27.73
						9/12/94	600	26820	19740	-2.88	27.54
						9/12/94	700	26880	19800	-3.04	27.47
						9/12/94	800	26940	19860	-2.72	27.61
						9/12/94	900	27000	19920	-2.10	27.87
						9/12/94	1000	27060	19980	-2.03	27.90
						9/12/94	1100	27120	20040	-2.04	27.90
						9/12/94	1200	27180	20100	-2.03	27.90
						9/12/94	1300	27240	20160	-2.06	27.89
						9/12/94	1400	27300	20220	-2.04	27.90
						9/12/94	1500	27360	20280	-2.07	27.89

MILLER DOMESTIC WELL

Emery & Garrett Groundwater, Inc.

PUMPING TEST DATA SHEET FOR MILLER DOMESTIC WELL

PROJECT: New Baltimore, Virginia
SUBCONTRACTOR: Valley Drilling
PUMPING WELL (S): E-1, E-6, E-7

MONITORING WELL: Miller Well
STATIC WATER LEVEL: NA
MAXIMUM DRAWDOWN: NA
MEASURING POINT: NA

	Date	Hour	Minute
Start of Pumping:	8/29/94	13	0
Start of Recovery:	9/2/94	12	0

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
8/25/94	1300	0	-5760	0.00	14.94	9/2/94	1200	11460	5700	5.87	17.48
8/25/94	1400	60	-5700	2.60	16.06	9/2/94	1300	11520	5760	3.47	16.44
8/25/94	1500	120	-5640	4.18	16.75	9/2/94	1400	11580	5820	6.11	17.59
8/25/94	1600	180	-5580	0.07	14.97	9/2/94	1500	11640	5880	2.13	15.86
8/25/94	1700	240	-5520	1.50	15.59	9/2/94	1600	11700	5940	6.05	17.56
8/25/94	1800	300	-5460	-7.22	11.81	9/2/94	1700	11760	6000	5.92	17.50
8/25/94	1900	360	-5400	1.00	15.37	9/2/94	1800	11820	6060	-2.65	13.79
8/25/94	2000	420	-5340	1.00	15.37	9/2/94	1900	11880	6120	3.47	16.44
8/25/94	2100	480	-5280	-2.09	14.04	9/2/94	2000	11940	6180	4.62	16.94
8/25/94	2200	540	-5220	1.98	15.80	9/2/94	2100	12000	6240	6.04	17.55
8/25/94	2300	600	-5160	4.57	16.92	9/2/94	2200	12060	6300	5.73	17.42
8/26/94	0	660	-5100	4.57	16.92	9/2/94	2300	12120	6360	4.69	16.97
8/26/94	100	720	-5040	6.97	17.96	9/3/94	0	12180	6420	6.50	17.75
8/26/94	200	780	-4980	6.11	17.59	9/3/94	100	12240	6480	6.25	17.64
8/26/94	300	840	-4920	7.00	17.97	9/3/94	200	12300	6540	6.56	17.78
8/26/94	400	900	-4860	5.90	17.49	9/3/94	300	12360	6600	-3.80	13.29
8/26/94	500	960	-4800	6.61	17.80	9/3/94	400	12420	6660	6.40	17.71
8/26/94	600	1020	-4740	-0.51	14.72	9/3/94	500	12480	6720	6.60	17.80
8/26/94	700	1080	-4680	6.41	17.71	9/3/94	600	12540	6780	6.63	17.81
8/26/94	800	1140	-4620	0.31	15.07	9/3/94	700	12600	6840	6.65	17.82
8/26/94	900	1200	-4560	2.52	16.03	9/3/94	800	12660	6900	2.65	16.09
8/26/94	1000	1260	-4500	6.44	17.73	9/3/94	900	12720	6960	6.59	17.79
8/26/94	1100	1320	-4440	6.35	17.69	9/3/94	1000	12780	7020	4.77	17.00
8/26/94	1200	1380	-4380	6.95	17.95	9/3/94	1100	12840	7080	5.61	17.37
8/26/94	1300	1440	-4320	5.97	17.52	9/3/94	1200	12900	7140	2.14	15.86
8/26/94	1400	1500	-4260	6.56	17.78	9/3/94	1300	12960	7200	6.21	17.63
8/26/94	1500	1560	-4200	5.20	17.19	9/3/94	1400	13020	7260	6.49	17.75
8/26/94	1600	1620	-4140	6.66	17.82	9/3/94	1500	13080	7320	6.61	17.80
8/26/94	1700	1680	-4080	5.96	17.52	9/3/94	1600	13140	7380	6.61	17.80
8/26/94	1800	1740	-4020	-2.55	13.84	9/3/94	1700	13200	7440	-0.36	14.78
8/26/94	1900	1800	-3960	6.63	17.81	9/3/94	1800	13260	7501	3.13	16.29
8/26/94	2000	1860	-3900	-1.26	14.40	9/3/94	1900	13320	7560	6.38	17.70
8/26/94	2100	1920	-3840	6.48	17.75	9/3/94	2000	13380	7620	6.61	17.80
8/26/94	2200	1980	-3780	6.42	17.72	9/3/94	2100	13440	7680	6.63	17.81
8/26/94	2300	2040	-3720	5.18	17.18	9/3/94	2200	13500	7740	6.64	17.81
8/27/94	0	2100	-3660	4.02	16.68	9/3/94	2300	13560	7800	6.65	17.82
8/27/94	100	2160	-3600	6.74	17.86	9/4/94	0	13620	7860	6.63	17.81
8/27/94	200	2220	-3540	6.95	17.95	9/4/94	100	13680	7920	6.66	17.82
8/27/94	300	2280	-3480	6.90	17.93	9/4/94	200	13740	7980	6.66	17.82
8/27/94	400	2340	-3420	3.10	16.28	9/4/94	300	13800	8040	6.66	17.82
8/27/94	500	2400	-3360	6.95	17.95	9/4/94	400	13860	8100	6.65	17.82
8/27/94	600	2460	-3300	6.79	17.88	9/4/94	500	13920	8160	6.64	17.82
8/27/94	700	2520	-3240	6.66	17.82	9/4/94	600	13980	8220	6.67	17.83
8/27/94	800	2580	-3180	-0.48	14.73	9/4/94	700	14040	8280	6.67	17.83
8/27/94	900	2640	-3120	4.69	16.97	9/4/94	800	14100	8340	6.68	17.83
8/27/94	1000	2700	-3060	5.41	17.28	9/4/94	900	14160	8400	6.66	17.82
8/27/94	1100	2760	-3000	6.00	17.54	9/4/94	1000	14220	8460	6.68	17.83
8/27/94	1200	2820	-2940	4.49	16.88	9/4/94	1100	14280	8520	6.66	17.82
8/27/94	1300	2880	-2880	3.99	16.67	9/4/94	1200	14340	8580	6.63	17.81
8/27/94	1400	2940	-2820	6.57	17.78	9/4/94	1300	14400	8640	6.64	17.81
8/27/94	1500	3000	-2760	2.39	15.97	9/4/94	1400	14460	8700	6.60	17.80
8/27/94	1600	3060	-2700	6.11	17.58	9/4/94	1500	14520	8760	6.61	17.80
8/27/94	1700	3120	-2640	3.05	16.26	9/4/94	1600	14580	8820	6.59	17.79
8/27/94	1800	3180	-2580	6.45	17.73	9/4/94	1700	14640	8880	6.58	17.79
8/27/94	1900	3240	-2520	6.62	17.81	9/4/94	1800	14700	8940	6.55	17.77
8/27/94	2000	3300	-2460	6.65	17.82	9/4/94	1900	14760	9000	6.56	17.78
8/27/94	2100	3360	-2400	-1.06	14.48	9/4/94	2000	14820	9060	6.56	17.78
8/27/94	2200	3420	-2340	0.36	15.09	9/4/94	2100	14880	9120	6.57	17.79
8/27/94	2300	3480	-2280	5.42	17.29	9/4/94	2200	14940	9180	6.58	17.79
8/28/94	0	3540	-2220	6.48	17.74	9/4/94	2300	15000	9240	6.55	17.78
8/28/94	100	3600	-2160	4.14	16.73	9/5/94	0	15060	9300	6.56	17.78
8/28/94	200	3660	-2100	6.73	17.85	9/5/94	100	15120	9360	6.54	17.77
8/28/94	300	3720	-2040	6.79	17.88	9/5/94	200	15180	9420	6.54	17.77
8/28/94	400	3780	-1980	6.82	17.89	9/5/94	300	15240	9480	6.53	17.76
8/28/94	500	3840	-1920	6.85	17.91	9/5/94	400	15300	9540	6.52	17.76
8/28/94	600	3900	-1860	6.62	17.80	9/5/94	500	15360	9600	6.52	17.76
8/28/94	700	3960	-1800	0.76	15.27	9/5/94	600	15420	9660	6.53	17.77
8/28/94	800	4020	-1740	2.45	16.00	9/5/94	700	15480	9720	6.53	17.77
8/28/94	900	4080	-1680	-0.14	14.88	9/5/94	800	15540	9780	6.55	17.78
8/28/94	1000	4140	-1620	4.42	16.85	9/5/94	900	15600	9840	6.54	17.77
8/28/94	1100	4200	-1560	2.10	15.85	9/5/94	1000	15660	9900	6.52	17.76
8/28/94	1200	4260	-1500	-2.84	13.71	9/5/94	1100	15720	9960	6.51	17.76
8/28/94	1300	4320	-1440	0.18	15.02	9/5/94	1200	15780	10020	-4.32	13.07
8/28/94	1400	4380	-1380	-15.39	8.28	9/5/94	1300	15840	10080	2.65	16.09
8/28/94	1500	4440	-1320	5.16	17.17	9/5/94	1400	15900	10140	0.80	15.29
8/28/94	1600	4500	-1260	2.24	15.91	9/5/94	1500	15960	10200	-3.74	14.19
8/28/94	1700	4560	-1200	6.34	17.69	9/5/94	1600	16020	10260	5.33	17.25
8/28/94	1800	4620	-1140	-0.82	14.58	9/5/94	1700	16080	10320	6.18	17.61
8/28/94	1900	4680	-1080	1.96	15.79	9/5/94	1800	16140	10380	-0.02	14.93
8/28/94	2000	4740	-1020	0.18	15.02	9/5/94	1900	16200	10440	2.44	16.00
8/28/94	2100	4800	-960	6.22	17.63	9/5/94	2000	16260	10500	-1.83	14.15
8/28/94	2200	4860	-900	5.85	17.47	9/5/94	2100	16320	10560	1.64	15.65
8/28/94	2300	4920	-840	5.60	17.36	9/5/94	2200	16380	10620	5.30	17.23
8/29/94	0	4980	-780	-4.56	12.97	9/5/94	2300	16440	10680	0.78	15.28
8/29/94	100	5040	-720	6.16	17.61	9/6/94	0	16500	10740	5.75	17.43
8/29/94	200	5100	-660	6.51	17.76	9/6/94	100	16560	10800	6.16	17.61
8/29/94	300	5160	-600	4.89	17.06	9/6/94	200	16620	10860	6.23	17.64
8/29/94	400	5220	-540	5.74	17.42	9/6/94	300	16680	10920	6.24	17.64
8/29/94	500	5280	-480	6.56	17.78	9/6/94	400	16740	10980	6.25	17.64
8/29/94	600	5340	-420	6.08	17.57	9/6/94	500	16800	11040	6.26	17.65

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
8/29/94	700	5400	-360	6.13	17.59	9/6/94	600	16860	11100	4.48	16.88
8/29/94	800	5460	-300	6.56	17.78	9/6/94	700	16920	11160	6.18	17.62
8/29/94	900	5520	-240	1.91	15.77	9/6/94	800	16980	11220	5.43	17.29
8/29/94	1000	5580	-180	5.86	17.48	9/6/94	900	17040	11280	5.89	17.49
8/29/94	1100	5640	-120	2.43	15.99	9/6/94	1000	17100	11340	5.76	17.43
8/29/94	1200	5700	-60	1.94	15.78	9/6/94	1100	17160	11400	0.25	15.05
8/29/94	1300	5760	0	6.18	17.62	9/6/94	1200	17220	11460	5.67	17.39
8/29/94	1400	5820	60	4.07	16.70	9/6/94	1300	17280	11520	3.77	16.57
8/29/94	1500	5880	120	6.46	17.74	9/6/94	1400	17340	11580	-7.66	11.62
8/29/94	1600	5940	180	4.75	17.00	9/6/94	1500	17400	11640	4.04	16.69
8/29/94	1700	6000	240	6.54	17.77	9/6/94	1600	17460	11700	5.87	17.48
8/29/94	1800	6060	300	6.37	17.70	9/6/94	1700	17520	11760	6.08	17.57
8/29/94	1900	6120	360	6.13	17.59	9/6/94	1800	17580	11820	-2.13	14.02
8/29/94	2000	6180	420	5.47	17.31	9/6/94	1900	17640	11880	0.32	15.08
8/29/94	2100	6240	480	6.30	17.67	9/6/94	2000	17700	11940	-0.84	14.58
8/29/94	2200	6300	540	-0.16	14.87	9/6/94	2100	17760	12000	-0.08	14.91
8/29/94	2300	6360	600	4.11	16.72	9/6/94	2200	17820	12060	2.39	15.98
8/30/94	0	6420	660	6.54	17.77	9/6/94	2300	17880	12120	5.56	17.35
8/30/94	100	6480	720	6.63	17.81	9/7/94	0	17940	12180	5.36	17.26
8/30/94	200	6540	780	6.68	17.83	9/7/94	100	18000	12240	5.60	17.36
8/30/94	300	6600	840	6.37	17.70	9/7/94	200	18060	12300	4.21	16.76
8/30/94	400	6660	900	5.88	17.49	9/7/94	300	18120	12360	5.96	17.52
8/30/94	500	6720	960	6.70	17.84	9/7/94	400	18180	12420	6.13	17.59
8/30/94	600	6780	1020	6.33	17.68	9/7/94	500	18240	12480	5.85	17.47
8/30/94	700	6840	1080	3.75	16.56	9/7/94	600	18300	12540	5.98	17.53
8/30/94	800	6900	1140	4.31	16.81	9/7/94	700	18360	12600	6.10	17.58
8/30/94	900	6960	1200	-4.91	12.81	9/7/94	800	18420	12660	4.87	17.05
8/30/94	1000	7020	1260	5.60	17.36	9/7/94	900	18480	12720	-3.82	13.29
8/30/94	1100	7080	1320	4.85	17.04	9/7/94	1000	18540	12780	0.01	14.94
8/30/94	1200	7140	1380	6.56	17.78	9/7/94	1100	18600	12840	1.63	15.65
8/30/94	1300	7200	1440	4.79	17.01	9/7/94	1200	18660	12900	3.92	16.64
8/30/94	1400	7260	1500	2.73	16.12	9/7/94	1300	18720	12960	3.05	16.26
8/30/94	1500	7320	1560	5.20	17.19	9/7/94	1400	18780	13020	5.40	17.28
8/30/94	1600	7380	1620	1.71	15.68	9/7/94	1500	18840	13080	2.58	16.06
8/30/94	1700	7440	1680	6.18	17.61	9/7/94	1600	18900	13140	4.80	17.02
8/30/94	1800	7500	1740	3.91	16.63	9/7/94	1700	18960	13200	1.47	15.58
8/30/94	1900	7560	1800	5.80	17.45	9/7/94	1800	19020	13260	0.26	15.05
8/30/94	2000	7620	1860	-0.31	14.81	9/7/94	1900	19080	13320	5.14	17.16
8/30/94	2100	7680	1920	6.18	17.61	9/7/94	2000	19140	13380	0.78	15.28
8/30/94	2200	7740	1980	-1.60	14.24	9/7/94	2100	19200	13440	5.88	17.49
8/30/94	2300	7800	2040	5.03	17.12	9/7/94	2200	19260	13500	-1.56	14.27
8/31/94	0	7860	2100	-3.67	13.35	9/7/94	2300	19320	13560	1.23	15.47
8/31/94	100	7920	2160	6.36	17.69	9/8/94	0	19380	13620	2.14	15.86
8/31/94	200	7980	2220	6.52	17.76	9/8/94	100	19440	13680	5.89	17.49
8/31/94	300	8040	2280	4.58	16.92	9/8/94	200	19500	13740	6.16	17.60
8/31/94	400	8100	2340	5.57	17.35	9/8/94	300	19560	13800	3.33	16.38
8/31/94	500	8160	2400	6.18	17.62	9/8/94	400	19620	13860	4.69	16.97
8/31/94	600	8220	2460	6.27	17.65	9/8/94	500	19680	13920	6.15	17.60
8/31/94	700	8280	2520	6.49	17.75	9/8/94	600	19740	13980	6.16	17.61
8/31/94	800	8340	2580	3.92	16.64	9/8/94	700	19800	14040	0.93	15.34
8/31/94	900	8400	2640	2.84	16.17	9/8/94	800	19860	14100	1.10	15.42
8/31/94	1000	8460	2700	0.94	15.35	9/8/94	900	19920	14160	5.55	17.34
8/31/94	1100	8520	2760	-27.24	3.15	9/8/94	1000	19980	14220	2.94	16.21
8/31/94	1200	8580	2820	-21.54	5.61	9/8/94	1100	20040	14280	5.98	17.53
8/31/94	1300	8640	2880	0.69	15.24	9/8/94	1200	20100	14340	-0.08	14.91
8/31/94	1400	8700	2940	-4.47	13.01	9/8/94	1300	20160	14400	4.61	16.93
8/31/94	1500	8760	3000	2.50	16.02	9/8/94	1400	20220	14460	1.55	15.61
8/31/94	1600	8820	3060	3.29	17.23	9/8/94	1500	20280	14520	-16.82	7.66
8/31/94	1700	8880	3120	3.29	16.37	9/8/94	1600	20340	14580	5.70	17.41
8/31/94	1800	8940	3180	0.16	15.01	9/8/94	1700	20400	14640	5.68	17.40
8/31/94	1900	9000	3240	1.09	15.41	9/8/94	1800	20460	14700	6.00	17.54
8/31/94	2000	9060	3300	5.56	17.35	9/8/94	1900	20520	14760	5.55	17.34
8/31/94	2100	9120	3360	6.26	17.65	9/8/94	2000	20580	14820	5.01	17.11
8/31/94	2200	9180	3420	6.28	17.66	9/8/94	2100	20640	14880	-4.88	12.83
8/31/94	2300	9240	3480	5.78	17.44	9/8/94	2200	20700	14940	0.52	15.17
9/1/94	0	9300	3540	6.28	17.66	9/8/94	2300	20760	15000	5.58	17.35
9/1/94	100	9360	3600	4.21	16.76	9/9/94	0	20820	15060	6.02	17.55
9/1/94	200	9420	3660	6.38	17.70	9/9/94	100	20880	15120	6.11	17.58
9/1/94	300	9480	3720	2.62	16.07	9/9/94	200	20940	15180	6.13	17.59
9/1/94	400	9540	3780	5.23	17.21	9/9/94	300	21000	15240	5.69	17.40
9/1/94	500	9600	3840	6.30	17.67	9/9/94	400	21060	15300	1.97	15.79
9/1/94	600	9660	3900	6.18	17.61	9/9/94	500	21120	15360	6.08	17.57
9/1/94	700	9720	3960	6.38	17.70	9/9/94	600	21180	15420	6.02	17.55
9/1/94	800	9780	4020	-0.23	14.84	9/9/94	700	21240	15480	6.12	17.59
9/1/94	900	9840	4080	4.47	16.88	9/9/94	800	21300	15540	0.93	15.34
9/1/94	1000	9900	4140	-1.20	14.42	9/9/94	900	21360	15600	-7.52	11.68
9/1/94	1100	9960	4200	-1.15	14.44	9/9/94	1000	21420	15660	1.33	15.52
9/1/94	1200	10020	4260	5.42	17.39	9/9/94	1100	21480	15720	5.72	17.41
9/1/94	1300	10080	4320	-0.20	14.85	9/9/94	1200	21540	15780	5.15	17.17
9/1/94	1400	10140	4380	4.31	16.81	9/9/94	1300	21600	15840	5.94	17.51
9/1/94	1500	10200	4440	5.68	17.40	9/9/94	1400	21660	15900	5.99	17.53
9/1/94	1600	10260	4500	6.26	17.65	9/9/94	1500	21720	15960	4.87	17.05
9/1/94	1700	10320	4560	1.45	15.57	9/9/94	1600	21780	16020	1.08	15.41
9/1/94	1800	10380	4620	5.11	17.15	9/9/94	1700	21840	16080	1.21	15.46
9/1/94	1900	10440	4680	5.46	17.30	9/9/94	1800	21900	16140	3.53	16.47
9/1/94	2000	10500	4740	6.24	17.64	9/9/94	1900	21960	16200	1.10	15.41
9/1/94	2100	10560	4800	4.94	17.08	9/9/94	2000	22020	16260	1.13	15.43
9/1/94	2200	10620	4860	4.39	16.84	9/9/94	2100	22080	16320	-2.23	13.98
9/1/94	2300	10680	4920	5.64	17.38	9/9/94	2200	22140	16380	5.01	17.11
9/2/94	0	10740	4980	6.49	17.75	9/9/94	2300	22200	16440	2.16	15.87
9/2/94	100	10800	5040	6.58	17.79	9/10/94	0	22260	16500	3.45	16.43
9/2/94	200	10860	5100	6.64	17.81	9/10/94	100	22320	16560	5.82	17.46
9/2/94	300	10920	5160	0.00	14.94	9/10/94	200	22380	16620	5.93	17.51
9/2/94	400	10980	5220	4.68	16.97	9/10/94	300	22440	16680	5.98	17.53
9/2/94	500	11040	5280	6.13	17.59	9/10/94	400	22500	16740	5.51	17.50
9/2/94	600	11100	5340	6.53	17.76	9/10/94	500	22560	16800	6.08	17.57
9/2/94	700	11160	5400	6.65	17.82	9/10/94	600	22620	16860	6.10	17.58
9/2/94	800	11220	5460	-0.08	14.90	9/10/94	700	22680	16920	4.27	16.79
9/2/94	900	11280	5520	2.10	15.85	9/10/94	800	22740	16980	0.91	15.33
9/2/94	1000	11340	5580	1.54	15.61	9/10/94	900	22800	17040	5.07	17.13
9/2/94	1100	11400	5640	6.37	17.70	9/10/94	1000	22860	17100	5.96	17.52
						9/10/94	1100	22920	17160	-7.65	11.63

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
						9/10/94	1200	22980	17220	5.90	17.49
						9/10/94	1300	23040	17280	3.78	16.57
						9/10/94	1400	23100	17340	3.13	16.29
						9/10/94	1500	23160	17400	4.14	16.73
						9/10/94	1600	23220	17460	-1.39	14.34
						9/10/94	1700	23280	17520	-1.86	14.13
						9/10/94	1800	23340	17580	5.15	17.17
						9/10/94	1900	23400	17640	1.65	15.66
						9/10/94	2000	23460	17700	5.71	17.41
						9/10/94	2100	23520	17760	6.00	17.54
						9/10/94	2200	23580	17820	5.56	17.35
						9/10/94	2300	23640	17880	6.03	17.55
						9/11/94	0	23700	17940	6.01	17.54
						9/11/94	100	23760	18000	6.08	17.57
						9/11/94	200	23820	18060	6.09	17.58
						9/11/94	300	23880	18120	6.05	17.56
						9/11/94	400	23940	18180	6.11	17.59
						9/11/94	500	24000	18240	5.98	17.53
						9/11/94	600	24060	18300	6.11	17.59
						9/11/94	700	24120	18360	4.77	17.00
						9/11/94	800	24180	18420	6.12	17.59
						9/11/94	900	24240	18480	6.07	17.57
						9/11/94	1000	24300	18540	5.27	17.22
						9/11/94	1100	24360	18600	6.13	17.59
						9/11/94	1200	24420	18660	-1.43	14.32
						9/11/94	1300	24480	18720	5.94	17.51
						9/11/94	1400	24540	18780	1.13	15.43
						9/11/94	1500	24600	18840	-2.60	13.81
						9/11/94	1600	24660	18900	3.57	16.49
						9/11/94	1700	24720	18960	-7.27	11.79
						9/11/94	1800	24780	19020	-2.67	13.78
						9/11/94	1900	24840	19080	4.02	16.68
						9/11/94	2000	24900	19140	1.96	15.79
						9/11/94	2100	24960	19200	5.49	17.32
						9/11/94	2200	25020	19260	5.88	17.49
						9/11/94	2300	25080	19320	5.97	17.52
						9/12/94	0	25140	19380	6.07	17.57
						9/12/94	100	25200	19440	6.09	17.57
						9/12/94	200	25260	19500	6.09	17.57
						9/12/94	300	25320	19560	5.98	17.53
						9/12/94	400	25380	19620	2.14	15.86
						9/12/94	500	25440	19680	6.01	17.54
						9/12/94	600	25500	19740	1.11	15.42
						9/12/94	700	25560	19800	1.59	15.63
						9/12/94	800	25620	19860	4.21	16.76
						9/12/94	900	25680	19920	5.09	17.14
						9/12/94	1000	25740	19980	5.77	17.44
						9/12/94	1100	25800	20040	2.95	16.22
						9/12/94	1200	25860	20100	3.89	16.62
						9/12/94	1300	25920	20160	5.95	17.51
						9/12/94	1400	25980	20220	5.28	17.23

RADIO MONITORING WELL

Emery & Garrett Groundwater, Inc.

PUMPING TEST DATA SHEET FOR RADIO WELL

PROJECT: New Baltimore, Virginia
SUBCONTRACTOR: Valley Drilling
PUMPING WELL (S): E-1, E-6, E-7

MONITORING WELL: Radio Well
STATIC WATER LEVEL: 22.65 feet
MAXIMUM DRAWDOWN: NA
MEASURING POINT: Top of Casing

	Date	Hour	Minute
Start of Pumping:	8/29/94	13	0
Start of Recovery:	9/2/94	12	0

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
8/29/94	1153		-67	22.65		9/2/94	1200	2730	5700	27.01	20.60
8/29/94	1314		14	22.95		9/2/94	1300	2760	5760	26.88	20.66
8/29/94	1327		27	22.73		9/2/94	1400	2790	5820	26.66	20.75
8/29/94	1334		34	22.83		9/2/94	1500	2820	5880	26.39	20.86
8/29/94	1340		40	22.79		9/2/94	1600	2850	5940	26.11	20.99
8/29/94	1350		50	22.73		9/2/94	1700	2880	6000	25.92	21.07
8/29/94	1409		69	22.69		9/2/94	1800	2910	6060	25.80	21.12
8/29/94	1418		78	22.78		9/2/94	1900	2940	6120	25.63	21.19
8/29/94	1434		94	22.74		9/2/94	2000	2970	6180	25.49	21.26
8/29/94	1531		151	22.95		9/2/94	2100	3000	6240	25.36	21.31
8/29/94	1548		168	22.90		9/2/94	2200	3030	6300	25.27	21.35
8/29/94	1637		217	23.18		9/2/94	2300	3060	6360	25.18	21.39
8/29/94	1744		284	23.23		9/3/94	0	3090	6420	25.12	21.42
8/29/94	1912		372	23.45		9/3/94	100	3120	6480	25.01	21.46
8/29/94	1955		415	23.80		9/3/94	200	3150	6540	26.08	21.00
8/29/94	2118		498	24.10		9/3/94	300	3180	6600	24.87	21.52
8/29/94	2333		633	24.42		9/3/94	400	3210	6660	24.80	21.55
8/30/94	425		925	24.99		9/3/94	500	3240	6720	24.76	21.57
8/30/94	732		1112	25.12		9/3/94	600	3270	6780	24.72	21.59
8/30/94	1025		1285	25.21		9/3/94	700	3300	6840	24.76	21.57
8/30/94	1353		1493	25.42		9/3/94	800	3330	6900	24.67	21.61
8/30/94	1400		1500	25.40		9/3/94	900	3360	6960	24.59	21.64
8/30/94	1500	660	1560	25.40	21.29	9/3/94	1000	3390	7020	24.65	21.62
8/30/94	1600	690	1620	25.45	21.27	9/3/94	1100	3420	7080	24.57	21.65
8/30/94	1700	720	1680	25.49	21.26	9/3/94	1200	3450	7140	24.55	21.66
8/30/94	1800	750	1740	25.62	21.20	9/3/94	1300	3480	7200	24.50	21.68
8/30/94	1900	780	1800	25.85	21.10	9/3/94	1400	3510	7260	25.93	21.06
8/30/94	2000	810	1860	25.69	21.17	9/3/94	1500	3540	7320	24.55	21.66
8/30/94	2100	840	1920	25.75	21.14	9/3/94	1600	3570	7380	24.45	21.71
8/30/94	2200	870	1980	26.44	20.84	9/3/94	1700	3600	7440	24.37	21.74
8/30/94	2300	900	2040	25.82	21.11	9/3/94	1800	3630	7500	24.36	21.74
8/31/94	0	930	2100	25.85	21.10	9/3/94	1900	3660	7560	24.35	21.75
8/31/94	100	960	2160	25.97	21.05	9/3/94	2000	3690	7620	24.41	21.72
8/31/94	200	990	2220	25.99	21.04	9/3/94	2100	3720	7680	24.32	21.76
8/31/94	300	1020	2280	26.10	20.99	9/3/94	2200	3750	7740	24.26	21.79
8/31/94	400	1050	2340	26.10	20.99	9/3/94	2300	3780	7800	24.23	21.80
8/31/94	500	1080	2400	26.23	20.94	9/4/94	0	3810	7860	24.19	21.82
8/31/94	600	1110	2460	26.25	20.93	9/4/94	100	3840	7920	24.19	21.82
8/31/94	700	1140	2520	26.29	20.91	9/4/94	200	3870	7980	24.13	21.85
8/31/94	800	1170	2580	26.31	20.90	9/4/94	300	3900	8040	24.15	21.84
8/31/94	900	1200	2640	26.26	20.92	9/4/94	400	3930	8100	24.12	21.85
8/31/94	1000	1230	2700	26.41	20.86	9/4/94	500	3960	8160	24.07	21.87
8/31/94	1100	1260	2760	26.40	20.86	9/4/94	600	3990	8220	24.05	21.88
8/31/94	1200	1290	2820	26.39	20.87	9/4/94	700	4020	8280	24.00	21.90
8/31/94	1300	1320	2880	26.78	20.70	9/4/94	800	4050	8340	24.00	21.90
8/31/94	1400	1350	2940	26.62	20.77	9/4/94	900	4080	8400	24.03	21.89
8/31/94	1500	1380	3000	26.48	20.83	9/4/94	1000	4110	8460	24.03	21.89
8/31/94	1600	1410	3060	26.59	20.78	9/4/94	1100	4140	8520	23.97	21.91
8/31/94	1700	1440	3120	26.70	20.73	9/4/94	1200	4170	8580	23.97	21.91
8/31/94	1800	1470	3180	26.75	20.71	9/4/94	1300	4200	8640	23.97	21.91
8/31/94	1900	1500	3240	26.74	20.71	9/4/94	1400	4230	8700	23.96	21.92
8/31/94	2000	1530	3300	26.75	20.71	9/4/94	1500	4260	8760	23.93	21.93
8/31/94	2100	1560	3360	26.90	20.64	9/4/94	1600	4290	8820	23.96	21.92
8/31/94	2200	1590	3420	26.75	20.71	9/4/94	1700	4320	8880	23.95	21.92
8/31/94	2300	1620	3480	26.68	20.74	9/4/94	1800	4350	8940	23.95	21.92
9/1/94	0	1650	3540	26.88	20.65	9/4/94	1900	4380	9000	23.95	21.92
9/1/94	100	1680	3600	26.73	20.72	9/4/94	2000	4410	9060	23.95	21.92
9/1/94	200	1710	3660	26.72	20.72	9/4/94	2100	4440	9120	23.92	21.94
9/1/94	300	1740	3720	26.73	20.72	9/4/94	2200	4470	9180	23.87	21.96
9/1/94	400	1770	3780	26.73	20.72	9/4/94	2300	4500	9240	23.88	21.95
9/1/94	500	1800	3840	26.78	20.70	9/5/94	0	4530	9300	23.90	21.94
9/1/94	600	1830	3900	26.77	20.70	9/5/94	100	4560	9360	23.86	21.96
9/1/94	700	1860	3960	26.75	20.71	9/5/94	200	4590	9420	23.88	21.95
9/1/94	800	1890	4020	26.94	20.63	9/5/94	300	4620	9480	23.84	21.97
9/1/94	900	1920	4080	26.80	20.69	9/5/94	400	4650	9540	23.84	21.97
9/1/94	1000	1950	4140	26.85	20.67	9/5/94	500	4680	9600	23.82	21.98
9/1/94	1100	1980	4200	26.77	20.70	9/5/94	600	4710	9660	23.82	21.98
9/1/94	1200	2010	4260	26.83	20.68	9/5/94	700	4740	9720	23.76	22.00
9/1/94	1300	2040	4320	26.85	20.67	9/5/94	800	4770	9780	23.77	22.00
9/1/94	1400	2070	4380	26.80	20.69	9/5/94	900	4800	9840	23.81	21.98
9/1/94	1500	2100	4440	26.86	20.66	9/5/94	1000	4830	9900	23.80	21.99
9/1/94	1600	2130	4500	26.88	20.65	9/5/94	1100	4860	9960	23.80	21.99
9/1/94	1700	2160	4560	26.93	20.63	9/5/94	1200	4890	10020	23.82	21.98
9/1/94	1800	2190	4620	26.97	20.61	9/5/94	1300	4920	10080	23.88	21.95
9/1/94	1900	2220	4680	26.95	20.62	9/5/94	1400	4950	10140	23.96	21.92
9/1/94	2000	2250	4740	26.90	20.64	9/5/94	1500	4980	10200	23.88	21.95
9/1/94	2100	2280	4800	26.88	20.65	9/5/94	1600	5010	10260	23.86	21.96
9/1/94	2200	2310	4860	26.88	20.66	9/5/94	1700	5040	10320	24.03	21.89
9/1/94	2300	2340	4920	26.90	20.65	9/5/94	1800	5070	10380	23.97	21.91
9/2/94	0	2370	4980	26.89	20.65	9/5/94	1900	5100	10440	23.93	21.93
9/2/94	100	2400	5040	26.87	20.66	9/5/94	2000	5130	10500	23.91	21.94
9/2/94	200	2430	5100	26.90	20.64	9/5/94	2100	5160	10560	23.88	21.95
9/2/94	300	2460	5160	26.88	20.65	9/5/94	2200	5190	10620	23.90	21.94
9/2/94	400	2490	5220	26.93	20.63	9/5/94	2300	5220	10680	23.91	21.94
9/2/94	500	2520	5280	27.01	20.60	9/6/94	0	5250	10740	23.91	21.94
9/2/94	600	2550	5340	26.93	20.63	9/6/94	100	5280	10800	23.89	21.95
9/2/94	700	2580	5400	26.90	20.64	9/6/94	200	5310	10860	23.92	21.94
9/2/94	800	2610	5460	26.95	20.62	9/6/94	300	5340	10920	23.87	21.96
9/2/94	900	2640	5520	27.01	20.60	9/6/94	400	5370	10980	23.86	21.96
9/2/94	1000	2670	5580	26.98	20.61	9/6/94	500	5400	11040	23.85	21.97

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
9/2/94	1100	2700	5640	26.97	20.61	9/6/94	600	5430	11100	23.83	21.98
						9/6/94	700	5460	11160	23.83	21.98
						9/6/94	800	5490	11220	23.87	21.96
						9/6/94	900	5520	11280	23.85	21.96
						9/6/94	1000	5550	11340	23.89	21.95
						9/6/94	1100	5580	11400	23.87	21.96
						9/6/94	1200	5610	11460	23.86	21.96
						9/6/94	1300	5640	11520	23.89	21.95
						9/6/94	1400	5670	11580	23.88	21.95
						9/6/94	1500	5700	11640	23.93	21.93
						9/6/94	1600	5730	11700	23.92	21.94
						9/6/94	1700	5760	11760	23.89	21.95
						9/6/94	1800	5790	11820	23.92	21.94
						9/6/94	1900	5820	11880	23.91	21.94
						9/6/94	2000	5850	11940	23.90	21.94
						9/6/94	2100	5880	12000	23.86	21.96
						9/6/94	2200	5910	12060	23.88	21.95
						9/6/94	2300	5940	12120	23.88	21.95
						9/7/94	0	5970	12180	23.91	21.94
						9/7/94	100	6000	12240	23.82	21.98
						9/7/94	200	6030	12300	23.86	21.96
						9/7/94	300	6060	12360	23.82	21.98
						9/7/94	400	6090	12420	23.75	22.01
						9/7/94	500	6120	12480	23.80	21.99
						9/7/94	600	6150	12540	23.78	22.00
						9/7/94	700	6180	12600	23.72	22.02
						9/7/94	800	6210	12660	23.71	22.03
						9/7/94	900	6240	12720	23.72	22.02
						9/7/94	1000	6270	12780	23.80	21.99
						9/7/94	1100	6300	12840	23.77	22.00
						9/7/94	1200	6330	12900	23.78	22.00
						9/7/94	1300	6360	12960	23.85	21.96
						9/7/94	1400	6390	13020	23.74	22.01
						9/7/94	1500	6420	13080	23.84	21.97
						9/7/94	1600	6450	13140	23.78	21.99
						9/7/94	1700	6480	13200	23.74	22.01
						9/7/94	1800	6510	13260	23.77	22.00
						9/7/94	1900	6540	13320	23.80	21.99
						9/7/94	2000	6570	13380	23.80	21.99
						9/7/94	2100	6600	13440	23.77	22.00
						9/7/94	2200	6630	13500	23.74	22.01
						9/7/94	2300	6660	13560	23.70	22.03
						9/8/94	0	6690	13620	23.75	22.01
						9/8/94	100	6720	13680	23.74	22.01
						9/8/94	200	6750	13740	23.72	22.02
						9/8/94	300	6780	13800	23.70	22.03
						9/8/94	400	6810	13860	23.69	22.03
						9/8/94	500	6840	13920	23.68	22.04
						9/8/94	600	6870	13980	23.65	22.05
						9/8/94	700	6900	14040	23.67	22.04
						9/8/94	800	6930	14100	23.62	22.07
						9/8/94	900	6960	14160	23.72	22.02
						9/8/94	1000	6990	14220	23.65	22.05
						9/8/94	1100	7020	14280	23.87	21.96
						9/8/94	1200	7050	14340	23.68	22.04
						9/8/94	1300	7080	14400	23.69	22.03
						9/8/94	1400	7110	14460	23.71	22.03
						9/8/94	1500	7140	14520	23.75	22.01
						9/8/94	1600	7170	14580	23.76	22.00
						9/8/94	1700	7200	14640	23.87	21.96
						9/8/94	1800	7230	14700	23.75	22.01
						9/8/94	1900	7260	14760	23.75	22.01
						9/8/94	2000	7290	14820	23.71	22.03
						9/8/94	2100	7320	14880	23.70	22.03
						9/8/94	2200	7350	14940	23.73	22.02
						9/8/94	2300	7380	15000	23.75	22.01
						9/9/94	0	7410	15060	23.74	22.01
						9/9/94	100	7440	15120	23.75	22.01
						9/9/94	200	7470	15180	23.76	22.00
						9/9/94	300	7500	15240	23.77	22.00
						9/9/94	400	7530	15300	23.71	22.03
						9/9/94	500	7560	15360	23.69	22.03
						9/9/94	600	7590	15420	23.68	22.04
						9/9/94	700	7620	15480	23.70	22.03
						9/9/94	800	7650	15540	23.61	22.07
						9/9/94	900	7680	15600	23.61	22.07
						9/9/94	1000	7710	15660	23.68	22.04
						9/9/94	1100	7740	15720	23.67	22.04
						9/9/94	1200	7770	15780	24.23	21.80
						9/9/94	1300	7800	15840	23.70	22.03
						9/9/94	1400	7830	15900	23.71	22.03
						9/9/94	1500	7860	15960	23.81	21.98
						9/9/94	1600	7890	16020	23.83	21.98
						9/9/94	1700	7920	16080	23.78	21.99
						9/9/94	1800	7950	16140	23.80	21.99
						9/9/94	1900	7980	16200	24.30	21.77
						9/9/94	2000	8010	16260	23.83	21.98
						9/9/94	2100	8040	16320	23.78	22.00
						9/9/94	2200	8070	16380	23.73	22.02
						9/9/94	2300	8100	16440	23.73	22.02
						9/10/94	0	8130	16500	23.74	22.01
						9/10/94	100	8160	16560	23.71	22.03
						9/10/94	200	8190	16620	23.71	22.03
						9/10/94	300	8220	16680	23.70	22.03
						9/10/94	400	8250	16740	23.68	22.04
						9/10/94	500	8280	16800	23.64	22.06
						9/10/94	600	8310	16860	23.60	22.07
						9/10/94	700	8340	16920	23.56	22.09
						9/10/94	800	8370	16980	23.68	22.04
						9/10/94	900	8400	17040	23.66	22.05
						9/10/94	1000	8430	17100	23.60	22.07
						9/10/94	1100	8460	17160	23.53	22.10

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum Time (min)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
						9/10/94	1200	8490	17220	23.52	22.11
						9/10/94	1300	8520	17280	23.59	22.08
						9/10/94	1400	8550	17340	23.58	22.08
						9/10/94	1500	8580	17400	23.63	22.06
						9/10/94	1600	8610	17460	23.70	22.03
						9/10/94	1700	8640	17520	23.68	22.04
						9/10/94	1800	8670	17580	23.66	22.05
						9/10/94	1900	8700	17640	23.67	22.04
						9/10/94	2000	8730	17700	23.62	22.07
						9/10/94	2100	8760	17760	23.57	22.09
						9/10/94	2200	8790	17820	23.57	22.09
						9/10/94	2300	8820	17880	23.58	22.08
						9/11/94	0	8850	17940	23.55	22.09
						9/11/94	100	8880	18000	23.58	22.08
						9/11/94	200	8910	18060	23.53	22.10
						9/11/94	300	8940	18120	23.57	22.09
						9/11/94	400	8970	18180	23.54	22.10
						9/11/94	500	9000	18240	23.55	22.10
						9/11/94	600	9030	18300	23.50	22.11
						9/11/94	700	9060	18360	23.46	22.13
						9/11/94	800	9090	18420	23.44	22.14
						9/11/94	900	9120	18480	23.44	22.14
						9/11/94	1000	9150	18540	23.45	22.14
						9/11/94	1100	9180	18600	23.43	22.15
						9/11/94	1200	9210	18660	23.40	22.16
						9/11/94	1300	9240	18720	23.50	22.12
						9/11/94	1400	9270	18780	23.54	22.10
						9/11/94	1500	9300	18840	23.67	22.04
						9/11/94	1600	9330	18900	23.58	22.08
						9/11/94	1700	9360	18960	23.60	22.07
						9/11/94	1800	9390	19020	23.66	22.05
						9/11/94	1900	9420	19080	23.63	22.06
						9/11/94	2000	9450	19140	23.65	22.05
						9/11/94	2100	9480	19200	23.60	22.07
						9/11/94	2200	9510	19260	23.55	22.10
						9/11/94	2300	9540	19320	23.53	22.10
						9/12/94	0	9570	19380	23.51	22.11
						9/12/94	100	9600	19440	23.54	22.10
						9/12/94	200	9630	19500	23.53	22.10
						9/12/94	300	9660	19560	23.50	22.11
						9/12/94	400	9690	19620	23.48	22.12
						9/12/94	500	9720	19680	23.50	22.12
						9/12/94	600	9750	19740	23.48	22.13
						9/12/94	700	9780	19800	23.44	22.14
						9/12/94	800	9810	19860	23.41	22.15
						9/12/94	900	9840	19920	23.43	22.15
						9/12/94	1000	9870	19980	23.43	22.15

S. SEMPLE DOMESTIC WELL

Emery & Garrett Groundwater, Inc.

PUMPING TEST DATA SHEET FOR S. SEMPLE DOMESTIC WELL

PROJECT: New Baltimore, Virginia
SUBCONTRACTOR: Valley Drilling
PUMPING WELL (S): E-1, E-6, E-7

MONITORING WELL: S. SEMPLE
STATIC WATER LEVEL: NA
MAXIMUM DRAWDOWN:NA
MEASURING POINT: NA

	Date	Hour	Minute
Start of Pumping:	8/29/94	13	0
Start of Recovery:	9/2/94	12	0

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
8/26/94	1600	0	-4140	0.00	53.61	9/2/94	1200	9840	5700	3.12	54.96
8/26/94	1700	60	-4080	0.92	54.01	9/2/94	1300	9900	5760	-19.06	45.36
8/26/94	1800	120	-4020	0.99	54.04	9/2/94	1400	9960	5820	-19.33	45.24
8/26/94	1900	180	-3960	2.36	54.63	9/2/94	1500	10020	5880	2.40	54.65
8/26/94	2000	240	-3900	1.64	54.32	9/2/94	1600	10080	5940	3.03	54.92
8/26/94	2100	300	-3840	2.96	54.89	9/2/94	1700	10140	6000	3.26	55.02
8/26/94	2200	360	-3780	2.89	54.86	9/2/94	1800	10200	6060	-13.26	47.87
8/26/94	2300	420	-3720	3.19	54.99	9/2/94	1900	10260	6120	3.00	54.91
8/27/94	0	480	-3660	3.30	55.04	9/2/94	2000	10320	6180	3.37	55.07
8/27/94	100	540	-3600	3.37	55.07	9/2/94	2100	10380	6240	3.53	55.14
8/27/94	200	600	-3540	3.47	55.11	9/2/94	2200	10440	6300	3.53	55.14
8/27/94	300	660	-3480	3.47	55.11	9/2/94	2300	10500	6360	3.56	55.15
8/27/94	400	720	-3420	3.56	55.15	9/3/94	0	10560	6420	3.67	55.2
8/27/94	500	780	-3360	3.60	55.17	9/3/94	100	10620	6480	3.74	55.23
8/27/94	600	840	-3300	3.63	55.18	9/3/94	200	10680	6540	1.76	54.37
8/27/94	700	900	-3240	-5.84	51.08	9/3/94	300	10740	6600	3.77	55.24
8/27/94	800	960	-3180	3.49	55.12	9/3/94	400	10800	6660	3.79	55.25
8/27/94	900	1020	-3120	3.58	55.16	9/3/94	500	10860	6720	3.79	55.25
8/27/94	1000	1080	-3060	3.67	55.2	9/3/94	600	10920	6780	3.79	55.25
8/27/94	1100	1140	-3000	3.63	55.18	9/3/94	700	10980	6840	2.66	54.76
8/27/94	1200	1200	-2940	0.02	53.62	9/3/94	800	11040	6900	3.72	55.22
8/27/94	1300	1260	-2880	2.17	54.55	9/3/94	900	11100	6960	3.67	55.2
8/27/94	1400	1320	-2820	-8.39	49.98	9/3/94	1000	11160	7020	3.70	55.21
8/27/94	1500	1380	-2760	-13.35	47.83	9/3/94	1100	11220	7080	3.81	55.26
8/27/94	1600	1440	-2700	-3.83	51.95	9/3/94	1200	11280	7140	3.83	55.27
8/27/94	1700	1500	-2640	-12.24	48.31	9/3/94	1300	11340	7200	3.81	55.26
8/27/94	1800	1560	-2580	0.35	53.76	9/3/94	1400	11400	7260	3.77	55.24
8/27/94	1900	1620	-2520	1.29	54.17	9/3/94	1500	11460	7320	3.81	55.26
8/27/94	2000	1680	-2460	1.87	54.42	9/3/94	1600	11520	7380	3.81	55.26
8/27/94	2100	1740	-2400	2.33	54.62	9/3/94	1700	11580	7440	3.77	55.24
8/27/94	2200	1800	-2340	2.68	54.77	9/3/94	1800	11640	7500	3.79	55.25
8/27/94	2300	1860	-2280	2.84	54.84	9/3/94	1900	11700	7560	3.77	55.24
8/28/94	0	1920	-2220	2.98	54.9	9/3/94	2000	11760	7620	3.81	55.26
8/28/94	100	1980	-2160	-1.43	52.99	9/3/94	2100	11820	7680	3.63	55.18
8/28/94	200	2040	-2100	3.12	54.96	9/3/94	2200	11880	7740	3.79	55.25
8/28/94	300	2100	-2040	3.16	54.98	9/3/94	2300	11940	7800	3.81	55.26
8/28/94	400	2160	-1980	3.21	55	9/4/94	0	12000	7860	3.83	55.27
8/28/94	500	2220	-1920	3.28	55.03	9/4/94	100	12060	7920	3.86	55.28
8/28/94	600	2280	-1860	3.35	55.06	9/4/94	200	12120	7980	2.24	54.58
8/28/94	700	2340	-1800	3.33	55.05	9/4/94	300	12180	8040	3.72	55.22
8/28/94	800	2400	-1740	3.14	54.97	9/4/94	400	12240	8100	3.81	55.26
8/28/94	900	2460	-1680	3.35	55.06	9/4/94	500	12300	8160	3.79	55.25
8/28/94	1000	2520	-1620	3.30	55.04	9/4/94	600	12360	8220	3.83	55.27
8/28/94	1100	2580	-1560	2.13	54.53	9/4/94	700	12420	8280	3.88	55.29
8/28/94	1200	2640	-1500	1.57	54.29	9/4/94	800	12480	8340	-1.87	52.8
8/28/94	1300	2700	-1440	2.59	54.73	9/4/94	900	12540	8400	3.65	55.19
8/28/94	1400	2760	-1380	3.28	55.03	9/4/94	1000	12600	8460	3.79	55.25
8/28/94	1500	2820	-1320	3.12	54.96	9/4/94	1100	12660	8520	3.70	55.21
8/28/94	1600	2880	-1260	3.16	54.98	9/4/94	1200	12720	8580	3.77	55.24
8/28/94	1700	2940	-1200	3.16	54.98	9/4/94	1300	12780	8640	3.79	55.25
8/28/94	1800	3000	-1140	2.96	54.89	9/4/94	1400	12840	8700	3.79	55.25
8/28/94	1900	3060	-1080	2.84	54.84	9/4/94	1500	12900	8760	3.77	55.24
8/28/94	2000	3120	-1020	-19.20	45.3	9/4/94	1600	12960	8820	2.52	54.7
8/28/94	2100	3180	-960	2.98	54.9	9/4/94	1700	13020	8880	3.79	55.25
8/28/94	2200	3240	-900	3.14	54.97	9/4/94	1800	13080	8940	1.16	54.11
8/28/94	2300	3300	-840	3.16	54.98	9/4/94	1900	13140	9000	0.81	53.96
8/29/94	0	3360	-780	3.12	54.96	9/4/94	2000	13200	9060	3.72	55.22
8/29/94	100	3420	-720	3.16	54.98	9/4/94	2100	13260	9120	3.77	55.24
8/29/94	200	3480	-660	3.19	54.99	9/4/94	2200	13320	9180	3.79	55.25
8/29/94	300	3540	-600	3.14	54.97	9/4/94	2300	13380	9240	3.74	55.23
8/29/94	400	3600	-540	3.14	54.97	9/5/94	0	13440	9300	3.67	55.2
8/29/94	500	3660	-480	3.14	54.97	9/5/94	100	13500	9360	3.70	55.21
8/29/94	600	3720	-420	3.12	54.96	9/5/94	200	13560	9420	3.00	54.91
8/29/94	700	3780	-360	2.70	54.78	9/5/94	300	13620	9480	3.67	55.2
8/29/94	800	3840	-300	3.10	54.95	9/5/94	400	13680	9540	3.70	55.21
8/29/94	900	3900	-240	3.12	54.96	9/5/94	500	13740	9600	3.70	55.21
8/29/94	1000	3960	-180	3.14	54.97	9/5/94	600	13800	9660	3.74	55.23
8/29/94	1100	4020	-120	-7.25	50.47	9/5/94	700	13860	9720	3.74	55.23
8/29/94	1200	4080	-60	-17.51	46.03	9/5/94	800	13920	9780	3.72	55.22
8/29/94	1300	4140	0	-4.39	51.71	9/5/94	900	13980	9840	-0.97	53.19
8/29/94	1400	4200	60	-1.09	53.14	9/5/94	1000	14040	9900	-0.44	53.42
8/29/94	1500	4260	120	0.32	53.75	9/5/94	1100	14100	9960	1.96	54.46
8/29/94	1600	4320	180	1.13	54.1	9/5/94	1200	14160	10020	3.56	55.15
8/29/94	1700	4380	240	1.69	54.34	9/5/94	1300	14220	10080	3.49	55.12
8/29/94	1800	4440	300	1.76	54.37	9/5/94	1400	14280	10140	3.49	55.12
8/29/94	1900	4500	360	2.06	54.5	9/5/94	1500	14340	10200	1.48	54.25
8/29/94	2000	4560	420	2.52	54.7	9/5/94	1600	14400	10260	3.37	55.07
8/29/94	2100	4620	480	2.77	54.81	9/5/94	1700	14460	10320	2.75	54.8
8/29/94	2200	4680	540	2.93	54.88	9/5/94	1800	14520	10380	3.35	55.06
8/29/94	2300	4740	600	2.77	54.81	9/5/94	1900	14580	10440	3.33	55.05
8/30/94	0	4800	660	3.16	54.98	9/5/94	2000	14640	10500	3.12	54.96
8/30/94	100	4860	720	3.23	55.01	9/5/94	2100	14700	10560	3.16	54.98
8/30/94	200	4920	780	3.28	55.03	9/5/94	2200	14760	10620	1.96	54.46
8/30/94	300	4980	840	3.30	55.04	9/5/94	2300	14820	10680	3.14	54.97
8/30/94	400	5040	900	3.37	55.07	9/6/94	0	14880	10740	3.19	54.99
8/30/94	500	5100	960	3.44	55.1	9/6/94	100	14940	10800	3.21	55
8/30/94	600	5160	1020	3.49	55.12	9/6/94	200	15000	10860	3.21	55
8/30/94	700	5220	1080	3.05	54.93	9/6/94	300	15060	10920	3.21	55
8/30/94	800	5280	1140	3.49	55.12	9/6/94	400	15120	10980	3.19	54.99
8/30/94	900	5340	1200	3.58	55.16	9/6/94	500	15180	11040	3.21	55

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min	Geokon Cum Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
8/30/94	1000	5400	1260	3.65	55.19	9/6/94	600	15240	11100	3.14	54.97
8/30/94	1100	5460	1320	3.701	55.21	9/6/94	700	15300	11160	2.70	54.78
8/30/94	1200	5520	1380	3.72	55.22	9/6/94	800	15360	11220	3.07	54.94
8/30/94	1300	5580	1440	0.65	53.89	9/6/94	900	15420	11280	3.12	54.96
8/30/94	1400	5640	1500	-15.99	46.69	9/6/94	1000	15480	11340	3.14	54.97
8/30/94	1500	5700	1560	-22.98	43.66	9/6/94	1100	15540	11400	3.12	54.96
8/30/94	1600	5760	1620	-27.00	41.92	9/6/94	1200	15600	11460	3.12	54.96
8/30/94	1700	5820	1680	-14.95	47.14	9/6/94	1300	15660	11520	3.10	54.95
8/30/94	1800	5880	1740	-6.79	50.67	9/6/94	1400	15720	11580	3.07	54.94
8/30/94	1900	5940	1800	-3.28	52.19	9/6/94	1500	15780	11640	2.52	54.7
8/30/94	2000	6000	1860	-1.36	53.02	9/6/94	1600	15840	11700	3.05	54.93
8/30/94	2100	6060	1920	-0.14	53.55	9/6/94	1700	15900	11760	3.05	54.93
8/30/94	2200	6120	1980	0.69	53.91	9/6/94	1800	15960	11820	3.05	54.93
8/30/94	2300	6180	2040	-6.95	50.6	9/6/94	1900	16020	11880	3.03	54.92
8/31/94	0	6240	2100	1.62	54.31	9/6/94	2000	16080	11940	2.86	54.85
8/31/94	100	6300	2160	1.96	54.46	9/6/94	2100	16140	12000	3.03	54.92
8/31/94	200	6360	2220	2.17	54.55	9/6/94	2200	16200	12060	3.00	54.91
8/31/94	300	6420	2280	2.36	54.63	9/6/94	2300	16260	12120	3.05	54.93
8/31/94	400	6480	2340	2.40	54.65	9/7/94	0	16320	12180	3.00	54.91
8/31/94	500	6540	2400	2.54	54.71	9/7/94	100	16380	12240	3.05	54.93
8/31/94	600	6600	2460	2.63	54.75	9/7/94	200	16440	12300	3.07	54.94
8/31/94	700	6660	2520	1.76	54.37	9/7/94	300	16500	12360	3.05	54.93
8/31/94	800	6720	2580	2.63	54.75	9/7/94	400	16560	12420	3.07	54.94
8/31/94	900	6780	2640	2.73	54.79	9/7/94	500	16620	12480	3.12	54.96
8/31/94	1000	6840	2700	-11.27	48.73	9/7/94	600	16680	12540	3.12	54.96
8/31/94	1100	6900	2760	-2.54	52.51	9/7/94	700	16740	12600	2.70	54.78
8/31/94	1200	6960	2820	0.05	53.63	9/7/94	800	16800	12660	3.00	54.91
8/31/94	1300	7020	2880	1.02	54.05	9/7/94	900	16860	12720	3.10	54.95
8/31/94	1400	7080	2940	1.57	54.29	9/7/94	1000	16920	12780	3.12	54.96
8/31/94	1500	7140	3000	1.87	54.42	9/7/94	1100	16980	12840	3.14	54.97
8/31/94	1600	7200	3060	2.08	54.51	9/7/94	1200	17040	12900	3.14	54.97
8/31/94	1700	7260	3120	2.22	54.57	9/7/94	1300	17100	12960	3.07	54.94
8/31/94	1800	7320	3180	2.31	54.61	9/7/94	1400	17160	13020	3.12	54.96
8/31/94	1900	7380	3240	2.45	54.67	9/7/94	1500	17220	13080	3.12	54.96
8/31/94	2000	7440	3300	2.56	54.72	9/7/94	1600	17280	13140	3.12	54.96
8/31/94	2100	7500	3360	2.59	54.73	9/7/94	1700	17340	13200	3.12	54.96
8/31/94	2200	7560	3420	2.54	54.71	9/7/94	1800	17400	13260	3.14	54.97
8/31/94	2300	7620	3480	2.59	54.73	9/7/94	1900	17460	13320	3.14	54.97
9/1/94	0	7680	3540	2.66	54.76	9/7/94	2000	17520	13380	3.19	54.99
9/1/94	100	7740	3600	2.70	54.78	9/7/94	2100	17580	13440	3.21	55
9/1/94	200	7800	3660	2.75	54.8	9/7/94	2200	17640	13500	3.26	55.02
9/1/94	300	7860	3720	2.77	54.81	9/7/94	2300	17700	13560	3.28	55.03
9/1/94	400	7920	3780	2.80	54.82	9/8/94	0	17760	13620	3.30	55.04
9/1/94	500	7980	3840	2.84	54.84	9/8/94	100	17820	13680	3.33	55.05
9/1/94	600	8040	3900	2.86	54.85	9/8/94	200	17880	13740	3.33	55.05
9/1/94	700	8100	3960	2.82	54.83	9/8/94	300	17940	13800	3.33	55.05
9/1/94	800	8160	4020	2.98	54.9	9/8/94	400	18000	13860	3.37	55.07
9/1/94	900	8220	4080	3.07	54.94	9/8/94	500	18060	13920	3.40	55.08
9/1/94	1000	8280	4140	3.14	54.97	9/8/94	600	18120	13980	3.40	55.08
9/1/94	1100	8340	4200	3.19	54.99	9/8/94	700	18180	14040	3.26	55.02
9/1/94	1200	8400	4260	3.23	55.01	9/8/94	800	18240	14100	3.40	55.08
9/1/94	1300	8460	4320	3.26	55.02	9/8/94	900	18300	14160	3.42	55.09
9/1/94	1400	8520	4380	3.28	55.03	9/8/94	1000	18360	14220	3.44	55.1
9/1/94	1500	8580	4440	3.28	55.03	9/8/94	1100	18420	14280	3.44	55.1
9/1/94	1600	8640	4500	3.28	55.03	9/8/94	1200	18480	14340	3.42	55.09
9/1/94	1700	8700	4560	3.30	55.04	9/8/94	1300	18540	14400	3.37	55.07
9/1/94	1800	8760	4620	3.33	55.05	9/8/94	1400	18600	14460	3.33	55.05
9/1/94	1900	8820	4680	3.35	55.06	9/8/94	1500	18660	14520	3.03	54.92
9/1/94	2000	8880	4740	3.28	55.03	9/8/94	1600	18720	14580	3.28	55.03
9/1/94	2100	8940	4800	3.37	55.07	9/8/94	1700	18780	14640	3.28	55.03
9/1/94	2200	9000	4860	3.44	55.1	9/8/94	1800	18840	14700	3.28	55.03
9/1/94	2300	9060	4920	3.47	55.11	9/8/94	1900	18900	14760	-2.13	52.69
9/2/94	0	9120	4980	1.99	54.47	9/8/94	2000	18960	14820	3.23	55.01
9/2/94	100	9180	5040	3.35	55.06	9/8/94	2100	19020	14880	2.33	54.62
9/2/94	200	9240	5100	3.51	55.13	9/8/94	2200	19080	14940	3.21	55
9/2/94	300	9300	5160	3.56	55.15	9/8/94	2300	19140	15000	3.23	55.01
9/2/94	400	9360	5220	3.56	55.15	9/9/94	0	19200	15060	3.26	55.02
9/2/94	500	9420	5280	3.56	55.15	9/9/94	100	19260	15120	3.23	55.01
9/2/94	600	9480	5340	3.65	55.19	9/9/94	200	19320	15180	3.21	55
9/2/94	700	9540	5400	3.56	55.15	9/9/94	300	19380	15240	3.16	54.98
9/2/94	800	9600	5460	-2.80	52.4	9/9/94	400	19440	15300	3.19	54.99
9/2/94	900	9660	5520	3.65	55.19	9/9/94	500	19500	15360	3.21	55
9/2/94	1000	9720	5580	-9.26	49.6	9/9/94	600	19560	15420	3.23	55.01
9/2/94	1100	9780	5640	0.58	53.86	9/9/94	700	19620	15480	2.22	54.57
						9/9/94	800	19680	15540	3.14	54.97
						9/9/94	900	19740	15600	2.98	54.9
						9/9/94	1000	19800	15660	3.19	54.99
						9/9/94	1100	19860	15720	3.21	55
						9/9/94	1200	19920	15780	3.21	55
						9/9/94	1300	19980	15840	3.19	54.99
						9/9/94	1400	20040	15900	3.16	54.98
						9/9/94	1500	20100	15960	3.12	54.96
						9/9/94	1600	20160	16020	3.07	54.94
						9/9/94	1700	20220	16080	3.05	54.93
						9/9/94	1800	20280	16140	-1.41	53
						9/9/94	1900	20340	16200	3.03	54.92
						9/9/94	2000	20400	16260	2.91	54.87
						9/9/94	2100	20460	16320	3.05	54.93
						9/9/94	2200	20520	16380	3.10	54.95
						9/9/94	2300	20580	16440	3.10	54.95
						9/10/94	0	20640	16500	3.12	54.96
						9/10/94	100	20700	16560	3.12	54.96
						9/10/94	200	20760	16620	3.12	54.96
						9/10/94	300	20820	16680	3.14	54.97
						9/10/94	400	20880	16740	3.16	54.98
						9/10/94	500	20940	16800	3.19	54.99
						9/10/94	600	21000	16860	-4.64	51.6
						9/10/94	700	21060	16920	3.26	55.02
						9/10/94	800	21120	16980	-10.12	49.23
						9/10/94	900	21180	17040	2.86	54.85
						9/10/94	1000	21240	17100	3.14	54.97
						9/10/94	1100	21300	17160	3.21	55

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
						9/10/94	1200	21360	17220	1.25	54.15
						9/10/94	1300	21420	17280	2.93	54.88
						9/10/94	1400	21480	17340	3.00	54.91
						9/10/94	1500	21540	17400	3.05	54.93
						9/10/94	1600	21600	17460	3.07	54.94
						9/10/94	1700	21660	17520	3.07	54.94
						9/10/94	1800	21720	17580	2.24	54.58
						9/10/94	1900	21780	17640	2.86	54.85
						9/10/94	2000	21840	17700	2.98	54.9
						9/10/94	2100	21900	17760	3.00	54.91
						9/10/94	2200	21960	17820	2.89	54.86
						9/10/94	2300	22020	17880	-3.16	52.24
						9/11/94	0	22080	17940	-2.73	52.43
						9/11/94	100	22140	18000	3.12	54.96
						9/11/94	200	22200	18060	3.19	54.99
						9/11/94	300	22260	18120	3.21	55
						9/11/94	400	22320	18180	3.00	54.91
						9/11/94	500	22380	18240	3.28	55.03
						9/11/94	600	22440	18300	3.33	55.05
						9/11/94	700	22500	18360	3.40	55.08
						9/11/94	800	22560	18420	3.44	55.1
						9/11/94	900	22620	18480	3.44	55.1
						9/11/94	1000	22680	18540	3.47	55.11
						9/11/94	1100	22740	18600	3.49	55.12
						9/11/94	1200	22800	18660	3.44	55.1
						9/11/94	1300	22860	18720	3.40	55.08
						9/11/94	1400	22920	18780	3.35	55.06
						9/11/94	1500	22980	18840	3.26	55.02
						9/11/94	1600	23040	18900	3.26	55.02
						9/11/94	1700	23100	18960	2.06	54.5
						9/11/94	1800	23160	19020	0.12	53.66
						9/11/94	1900	23220	19080	2.15	54.54
						9/11/94	2000	23280	19140	2.84	54.84
						9/11/94	2100	23340	19200	2.86	54.85
						9/11/94	2200	23400	19260	3.14	54.97
						9/11/94	2300	23460	19320	3.21	55
						9/12/94	0	23520	19380	3.28	55.03
						9/12/94	100	23580	19440	3.30	55.04
						9/12/94	200	23640	19500	3.30	55.04
						9/12/94	300	23700	19560	3.30	55.04
						9/12/94	400	23760	19620	3.33	55.05
						9/12/94	500	23820	19680	3.33	55.05
						9/12/94	600	23880	19740	-2.61	52.48
						9/12/94	700	23940	19800	3.37	55.07
						9/12/94	800	24000	19860	3.28	55.03
						9/12/94	900	24060	19920	3.42	55.09
						9/12/94	1000	24120	19980	3.47	55.11
						9/12/94	1100	24180	20040	3.44	55.1
						9/12/94	1200	24240	20100	3.42	55.09
						9/12/94	1300	24300	20160	3.40	55.08
						9/12/94	1400	24360	20220	3.35	55.06

SIMONE DOMESTIC WELL

Emery & Garrett Groundwater, Inc.

PUMPING TEST DATA SHEET SIMONE DOMESTIC WELL

PROJECT: New Baldmore, Virginia
SUBCONTRACTOR: Valley Drilling
PUMPING WELL (S): E-1, E-6, E-7

MONITORING WELL: Simone Well
STATIC WATER LEVEL: NA
MAXIMUM DRAWDOWN: NA
MEASURING POINT: NA

	Date	Hour	Minute
Start of Pumping:	8/29/94	13	0
Start of Recovery:	9/2/94	12	0

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
8/24/94	1100	0	-7320	0.00	20.99	9/2/94	1200	13020	5700	-1.84	20.19
8/24/94	1200	60	-7260	0.01	20.99	9/2/94	1300	13080	5760	-1.76	20.22
8/24/94	1300	120	-7200	-0.22	20.89	9/2/94	1400	13140	5820	-1.74	20.23
8/24/94	1400	180	-7140	-0.05	20.96	9/2/94	1500	13200	5880	-2.75	19.79
8/24/94	1500	240	-7080	-0.01	20.98	9/2/94	1600	13260	5940	-1.84	20.19
8/24/94	1600	300	-7020	-0.01	20.98	9/2/94	1700	13320	6000	-1.76	20.22
8/24/94	1700	360	-6960	-0.31	20.85	9/2/94	1800	13380	6060	-1.79	20.21
8/24/94	1800	420	-6900	-0.16	20.92	9/2/94	1900	13440	6120	-1.81	20.20
8/24/94	1900	480	-6840	-0.13	20.93	9/2/94	2000	13500	6180	-2.49	19.91
8/24/94	2000	540	-6780	-7.04	17.94	9/2/94	2100	13560	6240	-1.88	20.17
8/24/94	2100	600	-6720	-0.29	20.86	9/2/94	2200	13620	6300	-1.84	20.19
8/24/94	2200	660	-6660	-0.31	20.77	9/2/94	2300	13680	6360	-1.78	20.21
8/24/94	2300	720	-6600	-0.25	20.88	9/3/94	0	13740	6420	-1.76	20.22
8/25/94	0	780	-6540	-0.99	20.56	9/3/94	100	13800	6480	-2.20	20.03
8/25/94	100	840	-6480	-0.32	20.85	9/3/94	200	13860	6540	-1.81	20.20
8/25/94	200	900	-6420	-0.18	20.91	9/3/94	300	13920	6600	-1.77	20.22
8/25/94	300	960	-6360	-0.18	20.91	9/3/94	400	13980	6660	-1.72	20.24
8/25/94	400	1020	-6300	-0.28	20.86	9/3/94	500	14040	6720	-1.76	20.22
8/25/94	500	1080	-6240	-0.55	20.75	9/3/94	600	14100	6780	-2.12	20.07
8/25/94	600	1140	-6180	-0.29	20.86	9/3/94	700	14160	6840	-1.81	20.20
8/25/94	700	1200	-6120	-0.19	20.90	9/3/94	800	14220	6900	-1.78	20.22
8/25/94	800	1260	-6060	-0.28	20.87	9/3/94	900	14280	6960	-1.76	20.22
8/25/94	900	1320	-6000	-0.50	20.77	9/3/94	1000	14340	7020	-1.75	20.23
8/25/94	1000	1380	-5940	-0.37	20.83	9/3/94	1100	14400	7080	-2.08	20.09
8/25/94	1100	1440	-5880	-0.28	20.86	9/3/94	1200	14460	7140	-1.85	20.18
8/25/94	1200	1500	-5820	-0.32	20.85	9/3/94	1300	14520	7200	-1.85	20.18
8/25/94	1300	1560	-5760	-1.39	20.38	9/3/94	1400	14580	7260	-1.81	20.20
8/25/94	1400	1620	-5700	-0.52	20.76	9/3/94	1500	14640	7320	-1.80	20.21
8/25/94	1500	1680	-5640	-0.45	20.79	9/3/94	1600	14700	7380	-2.00	20.12
8/25/94	1600	1740	-5580	-0.43	20.80	9/3/94	1700	14760	7440	-1.89	20.17
8/25/94	1700	1800	-5520	-0.44	20.79	9/3/94	1800	14820	7500	-1.84	20.19
8/25/94	1800	1860	-5460	-0.87	20.61	9/3/94	1900	14880	7560	-1.84	20.19
8/25/94	1900	1920	-5400	-0.59	20.73	9/3/94	2000	14940	7620	-1.86	20.18
8/25/94	2000	1980	-5340	-0.46	20.79	9/3/94	2100	15000	7680	-2.05	20.10
8/25/94	2100	2040	-5280	-0.75	20.66	9/3/94	2200	15060	7740	-1.92	20.16
8/25/94	2200	2100	-5220	-0.60	20.73	9/3/94	2300	15120	7800	-1.87	20.18
8/25/94	2300	2160	-5160	-0.54	20.75	9/4/94	0	15180	7860	-2.51	19.90
8/26/94	0	2220	-5100	-0.92	20.59	9/4/94	100	15240	7920	-1.94	20.14
8/26/94	100	2280	-5040	-0.62	20.72	9/4/94	200	15300	7980	-1.89	20.17
8/26/94	200	2340	-4980	-0.64	20.71	9/4/94	300	15360	8040	-1.82	20.20
8/26/94	300	2400	-4920	-0.59	20.73	9/4/94	400	15420	8100	-1.84	20.19
8/26/94	400	2460	-4860	-0.60	20.73	9/4/94	500	15480	8160	-2.28	20.00
8/26/94	500	2520	-4800	-0.76	20.66	9/4/94	600	15540	8220	-1.99	20.13
8/26/94	600	2580	-4740	-0.68	20.69	9/4/94	700	15600	8280	-1.88	20.17
8/26/94	700	2640	-4680	-0.62	20.72	9/4/94	800	15660	8340	-3.36	19.53
8/26/94	800	2700	-4620	-0.87	20.61	9/4/94	900	15720	8400	-1.96	20.14
8/26/94	900	2760	-4560	-2.61	19.86	9/4/94	1000	15780	8460	-1.85	20.18
8/26/94	1000	2820	-4500	-3.09	19.65	9/4/94	1100	15840	8520	-1.88	20.17
8/26/94	1100	2880	-4440	-0.93	20.58	9/4/94	1200	15900	8580	-2.18	20.04
8/26/94	1200	2940	-4380	-0.79	20.65	9/4/94	1300	15960	8640	-1.98	20.13
8/26/94	1300	3000	-4320	-0.71	20.68	9/4/94	1400	16020	8700	-1.96	20.14
8/26/94	1400	3060	-4260	-0.73	20.67	9/4/94	1500	16080	8760	-1.94	20.15
8/26/94	1500	3120	-4200	-0.94	20.58	9/4/94	1600	16140	8820	-2.37	19.96
8/26/94	1600	3180	-4140	-0.85	20.62	9/4/94	1700	16200	8880	-2.00	20.12
8/26/94	1700	3240	-4080	-9.37	16.93	9/4/94	1800	16260	8940	-1.95	20.14
8/26/94	1800	3300	-4020	-1.02	20.54	9/4/94	1900	16320	9000	-2.55	19.88
8/26/94	1900	3360	-3960	-2.33	19.98	9/4/94	2000	16380	9060	-2.57	19.87
8/26/94	2000	3420	-3900	-1.03	20.54	9/4/94	2100	16440	9120	-2.13	20.06
8/26/94	2100	3480	-3840	-0.92	20.59	9/4/94	2200	16500	9180	-2.02	20.11
8/26/94	2200	3540	-3780	-0.80	20.64	9/4/94	2300	16560	9240	-2.01	20.12
8/26/94	2300	3600	-3720	-1.31	20.42	9/5/94	0	16620	9300	-2.32	19.98
8/27/94	0	3660	-3660	-0.92	20.59	9/5/94	100	16680	9360	-2.11	20.07
8/27/94	100	3720	-3600	-0.90	20.60	9/5/94	200	16740	9420	-2.01	20.12
8/27/94	200	3780	-3540	-0.87	20.61	9/5/94	300	16800	9480	-2.02	20.11
8/27/94	300	3840	-3480	-0.89	20.60	9/5/94	400	16860	9540	-2.01	20.12
8/27/94	400	3900	-3420	-1.09	20.51	9/5/94	500	16920	9600	-2.21	20.03
8/27/94	500	3960	-3360	-0.91	20.59	9/5/94	600	16980	9660	-2.01	20.12
8/27/94	600	4020	-3300	-0.86	20.61	9/5/94	700	17040	9720	-1.99	20.13
8/27/94	700	4080	-3240	-4.11	19.21	9/5/94	800	17100	9780	-3.86	19.31
8/27/94	800	4140	-3180	-1.06	20.53	9/5/94	900	17160	9840	-2.19	20.04
8/27/94	900	4200	-3120	-0.94	20.58	9/5/94	1000	17220	9900	-2.05	20.10
8/27/94	1000	4260	-3060	-0.90	20.59	9/5/94	1100	17280	9960	-2.09	20.08
8/27/94	1100	4320	-3000	-0.90	20.59	9/5/94	1200	17340	10020	-2.02	20.11
8/27/94	1200	4380	-2940	-1.29	20.43	9/5/94	1300	17400	10080	-3.68	19.39
8/27/94	1300	4440	-2880	-1.02	20.54	9/5/94	1400	17460	10140	-2.21	20.03
8/27/94	1400	4500	-2820	-0.96	20.57	9/5/94	1500	17520	10200	-2.26	20.01
8/27/94	1500	4560	-2760	-1.03	20.54	9/5/94	1600	17580	10260	-2.53	19.89
8/27/94	1600	4620	-2700	-0.97	20.57	9/5/94	1700	17640	10320	-2.59	19.86
8/27/94	1700	4680	-2640	-1.26	20.44	9/5/94	1800	17700	10380	-2.30	19.99
8/27/94	1800	4740	-2580	-1.09	20.51	9/5/94	1900	17760	10440	-2.55	19.88
8/27/94	1900	4800	-2520	-1.11	20.50	9/5/94	2000	17820	10500	-2.52	19.90
8/27/94	2000	4860	-2460	-1.06	20.53	9/5/94	2100	17880	10560	-2.34	19.97
8/27/94	2100	4920	-2400	-1.47	20.35	9/5/94	2200	17940	10620	-2.26	20.01
8/27/94	2200	4980	-2340	-1.14	20.49	9/5/94	2300	18000	10680	-2.54	19.89
8/27/94	2300	5040	-2280	-1.10	20.51	9/6/94	0	18060	10740	-2.34	19.97
8/28/94	0	5100	-2220	-1.06	20.53	9/6/94	100	18120	10800	-2.32	19.98
8/28/94	100	5160	-2160	-1.11	20.50	9/6/94	200	18180	10860	-2.32	19.98
8/28/94	200	5220	-2100	-1.26	20.44	9/6/94	300	18240	10920	-2.29	19.99
8/28/94	300	5280	-2040	-1.15	20.49	9/6/94	400	18300	10980	-2.52	19.90
8/28/94	400	5340	-1980	-1.13	20.50	9/6/94	500	18360	11040	-2.38	19.95

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
8/28/94	500	5400	-1920	-1.11	20.50	9/6/94	600	18420	11100	-2.28	20.00
8/28/94	600	5460	-1860	-2.26	20.01	9/6/94	700	18480	11160	-2.29	19.99
8/28/94	700	5520	-1800	-1.27	20.44	9/6/94	800	18540	11220	-2.46	19.92
8/28/94	800	5580	-1740	-1.18	20.48	9/6/94	900	18600	11280	-2.35	19.97
8/28/94	900	5640	-1680	-1.58	20.30	9/6/94	1000	18660	11340	-2.37	19.96
8/28/94	1000	5700	-1620	-1.24	20.45	9/6/94	1100	18720	11400	-2.32	19.98
8/28/94	1100	5760	-1560	-1.22	20.46	9/6/94	1200	18780	11460	-2.85	19.75
8/28/94	1200	5820	-1500	-1.19	20.47	9/6/94	1300	18840	11520	-2.47	19.91
8/28/94	1300	5880	-1440	-4.77	18.92	9/6/94	1400	18900	11580	-2.45	19.93
8/28/94	1400	5940	-1380	-1.43	20.37	9/6/94	1500	18960	11640	-2.37	19.96
8/28/94	1500	6000	-1320	-1.31	20.42	9/6/94	1600	19020	11700	-7.04	17.94
8/28/94	1600	6060	-1260	-1.30	20.42	9/6/94	1700	19080	11760	-2.52	19.90
8/28/94	1700	6120	-1200	-1.36	20.40	9/6/94	1800	19140	11820	-2.43	19.93
8/28/94	1800	6180	-1140	-1.95	20.14	9/6/94	1900	19200	11880	-2.48	19.91
8/28/94	1900	6240	-1080	-1.51	20.33	9/6/94	2000	19260	11940	-2.90	19.73
8/28/94	2000	6300	-1020	-1.42	20.37	9/6/94	2100	19320	12000	-2.51	19.90
8/28/94	2100	6360	-960	-1.37	20.39	9/6/94	2200	19380	12060	-2.47	19.92
8/28/94	2200	6420	-900	-1.34	20.41	9/6/94	2300	19440	12120	-2.43	19.93
8/28/94	2300	6480	-840	-1.61	20.29	9/7/94	0	19500	12180	-3.58	19.44
8/29/94	0	6540	-780	-1.50	20.34	9/7/94	100	19560	12240	-2.57	19.87
8/29/94	100	6600	-720	-1.49	20.34	9/7/94	200	19620	12300	-2.48	19.91
8/29/94	200	6660	-660	-1.42	20.37	9/7/94	300	19680	12360	-2.38	19.95
8/29/94	300	6720	-600	-1.46	20.36	9/7/94	400	19740	12420	-2.46	19.92
8/29/94	400	6780	-540	-1.63	20.28	9/7/94	500	19800	12480	-2.97	19.70
8/29/94	500	6840	-480	-1.53	20.32	9/7/94	600	19860	12540	-2.53	19.89
8/29/94	600	6900	-420	-1.51	20.33	9/7/94	700	19920	12600	-2.46	19.92
8/29/94	700	6960	-360	-1.45	20.36	9/7/94	800	19980	12660	-2.44	19.93
8/29/94	800	7020	-300	-2.61	19.86	9/7/94	900	20040	12720	-2.74	19.80
8/29/94	900	7080	-240	-1.62	20.29	9/7/94	1000	20100	12780	-2.96	19.71
8/29/94	1000	7140	-180	-1.48	20.34	9/7/94	1100	20160	12840	-3.36	19.54
8/29/94	1100	7200	-120	-1.47	20.35	9/7/94	1200	20220	12900	-2.66	19.83
8/29/94	1200	7260	-60	-1.46	20.36	9/7/94	1300	20280	12960	-2.53	19.89
8/29/94	1300	7320	0	-1.80	20.21	9/7/94	1400	20340	13020	-3.07	19.66
8/29/94	1400	7380	60	-1.58	20.30	9/7/94	1500	20400	13080	-2.59	19.86
8/29/94	1500	7440	120	-1.53	20.32	9/7/94	1600	20460	13140	-2.54	19.89
8/29/94	1600	7500	180	-1.46	20.36	9/7/94	1700	20520	13200	-2.42	19.94
8/29/94	1700	7560	240	-1.78	20.22	9/7/94	1800	20580	13260	-9.47	16.89
8/29/94	1800	7620	300	-1.62	20.29	9/7/94	1900	20640	13320	-2.61	19.86
8/29/94	1900	7680	360	-2.53	19.89	9/7/94	2000	20700	13380	-2.53	19.89
8/29/94	2000	7740	420	-1.63	20.28	9/7/94	2100	20760	13440	-2.42	19.94
8/29/94	2100	7800	480	-1.51	20.33	9/7/94	2200	20820	13500	-2.43	19.93
8/29/94	2200	7860	540	-1.45	20.36	9/7/94	2300	20880	13560	-3.01	19.68
8/29/94	2300	7920	600	-2.19	20.04	9/8/94	0	20940	13620	-2.52	19.90
8/30/94	0	7980	660	-1.47	20.35	9/8/94	100	21000	13680	-2.49	19.91
8/30/94	100	8040	720	-1.52	20.33	9/8/94	200	21060	13740	-2.41	19.94
8/30/94	200	8100	780	-1.46	20.36	9/8/94	300	21120	13800	-2.42	19.94
8/30/94	300	8160	840	-1.43	20.37	9/8/94	400	21180	13860	-2.74	19.80
8/30/94	400	8220	900	-1.66	20.27	9/8/94	500	21240	13920	-2.45	19.93
8/30/94	500	8280	960	-1.48	20.34	9/8/94	600	21300	13980	-2.42	19.94
8/30/94	600	8340	1020	-1.47	20.35	9/8/94	700	21360	14040	-2.42	19.94
8/30/94	700	8400	1080	-4.17	19.18	9/8/94	800	21420	14100	-2.72	19.81
8/30/94	800	8460	1140	-1.55	20.32	9/8/94	900	21480	14160	-2.46	19.92
8/30/94	900	8520	1200	-1.45	20.36	9/8/94	1000	21540	14220	-2.42	19.94
8/30/94	1000	8580	1260	-1.41	20.38	9/8/94	1100	21600	14280	-2.36	19.97
8/30/94	1100	8640	1320	-1.70	20.25	9/8/94	1200	21660	14340	-2.59	19.86
8/30/94	1200	8700	1380	-1.47	20.35	9/8/94	1300	21720	14400	-2.48	19.91
8/30/94	1300	8760	1440	-1.45	20.36	9/8/94	1400	21780	14460	-2.45	19.93
8/30/94	1400	8820	1500	-4.32	19.12	9/8/94	1500	21840	14520	-10.50	16.44
8/30/94	1500	8880	1560	-1.63	20.28	9/8/94	1600	21900	14580	-2.65	19.84
8/30/94	1600	8940	1620	-1.57	20.31	9/8/94	1700	21960	14640	-2.56	19.88
8/30/94	1700	9000	1680	-1.53	20.32	9/8/94	1800	22020	14700	-2.54	19.89
8/30/94	1800	9060	1740	-2.00	20.12	9/8/94	1900	22080	14760	-2.47	19.92
8/30/94	1900	9120	1800	-1.64	20.28	9/8/94	2000	22140	14820	-2.84	19.76
8/30/94	2000	9180	1860	-1.58	20.30	9/8/94	2100	22200	14880	-2.59	19.86
8/30/94	2100	9240	1920	-1.58	20.30	9/8/94	2200	22260	14940	-2.53	19.89
8/30/94	2200	9300	1980	-1.94	20.14	9/8/94	2300	22320	15000	-3.41	19.51
8/30/94	2300	9360	2040	-1.65	20.27	9/9/94	0	22380	15060	-2.61	19.86
8/31/94	0	9420	2100	-1.60	20.29	9/9/94	100	22440	15120	-2.58	19.87
8/31/94	100	9480	2160	-1.54	20.32	9/9/94	200	22500	15180	-2.56	19.88
8/31/94	200	9540	2220	-1.57	20.31	9/9/94	300	22560	15240	-2.57	19.87
8/31/94	300	9600	2280	-1.79	20.21	9/9/94	400	22620	15300	-3.12	19.63
8/31/94	400	9660	2340	-1.65	20.27	9/9/94	500	22680	15360	-2.62	19.85
8/31/94	500	9720	2400	-1.61	20.29	9/9/94	600	22740	15420	-2.59	19.86
8/31/94	600	9780	2460	-1.63	20.28	9/9/94	700	22800	15480	-2.55	19.88
8/31/94	700	9840	2520	-2.29	19.99	9/9/94	800	22860	15540	-3.07	19.66
8/31/94	800	9900	2580	-1.69	20.25	9/9/94	900	22920	15600	-2.65	19.84
8/31/94	900	9960	2640	-1.69	20.25	9/9/94	1000	22980	15660	-2.65	19.84
8/31/94	1000	10020	2700	-1.60	20.29	9/9/94	1100	23040	15720	-2.57	19.87
8/31/94	1100	10080	2760	-2.61	19.86	9/9/94	1200	23100	15780	-2.56	19.88
8/31/94	1200	10140	2820	-1.80	20.21	9/9/94	1300	23160	15840	-2.94	19.71
8/31/94	1300	10200	2880	-1.71	20.25	9/9/94	1400	23220	15900	-2.65	19.84
8/31/94	1400	10260	2940	-1.71	20.25	9/9/94	1500	23280	15960	-2.63	19.85
8/31/94	1500	10320	3000	-1.74	20.23	9/9/94	1600	23340	16020	-2.63	19.85
8/31/94	1600	10380	3060	-2.31	19.99	9/9/94	1700	23400	16080	-4.66	18.97
8/31/94	1700	10440	3120	-1.91	20.16	9/9/94	1800	23460	16140	-2.79	19.78
8/31/94	1800	10500	3180	-1.87	20.18	9/9/94	1900	23520	16200	-2.75	19.79
8/31/94	1900	10560	3240	-1.79	20.21	9/9/94	2000	23580	16260	-2.71	19.81
8/31/94	2000	10620	3300	-1.77	20.22	9/9/94	2100	23640	16320	-3.65	19.41
8/31/94	2100	10680	3360	-2.05	20.10	9/9/94	2200	23700	16380	-3.17	19.62
8/31/94	2200	10740	3420	-1.78	20.22	9/9/94	2300	23760	16440	-3.50	19.47
8/31/94	2300	10800	3480	-1.84	20.19	9/10/94	0	23820	16500	-2.83	19.76
9/1/94	0	10860	3540	-1.80	20.21	9/10/94	100	23880	16560	-2.73	19.81
9/1/94	100	10920	3600	-2.76	19.79	9/10/94	200	23940	16620	-2.68	19.83
9/1/94	200	10980	3660	-1.99	20.13	9/10/94	300	24000	16680	-2.70	19.82
9/1/94	300	11040	3720	-1.86	20.18	9/10/94	400	24060	16740	-2.88	19.74
9/1/94	400	11100	3780	-1.81	20.20	9/10/94	500	24120	16800	-2.69	19.82
9/1/94	500	11160	3840	-1.80	20.21	9/10/94	600	24180	16860	-2.61	19.86
9/1/94	600	11220	3900	-1.98	20.13	9/10/94	700	24240	16920	-9.93	16.69
9/1/94	700	11280	3960	-1.82	20.20	9/10/94	800	24300	16980	-2.83	19.76
9/1/94	800	11340	4020	-2.09	20.08	9/10/94	900	24360	17040	-2.68	19.83
9/1/94	900	11400	4080	-1.82	20.20	9/10/94	1000	24420	17100	-2.58	19.87
9/1/94	1000	11460	4140	-1.74	20.23	9/10/94	1100	24480	17160	-2.64	19.84

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
9/1/94	1100	11520	4200	-1.74	20.23	9/10/94	1200	24540	17220	-3.94	19.28
9/1/94	1200	11580	4260	-1.74	20.23	9/10/94	1300	24600	17280	-2.80	19.78
9/1/94	1300	11640	4320	-1.98	20.13	9/10/94	1400	24660	17340	-2.66	19.83
9/1/94	1400	11700	4380	-1.79	20.21	9/10/94	1500	24720	17400	-2.76	19.79
9/1/94	1500	11760	4440	-2.55	19.88	9/10/94	1600	24780	17460	-2.69	19.82
9/1/94	1600	11820	4500	-1.87	20.18	9/10/94	1700	24840	17520	-3.79	19.34
9/1/94	1700	11880	4560	-1.83	20.20	9/10/94	1800	24900	17580	-2.88	19.74
9/1/94	1800	11940	4620	-1.76	20.22	9/10/94	1900	24960	17640	-2.79	19.78
9/1/94	1900	12000	4680	-1.80	20.21	9/10/94	2000	25020	17700	-2.74	19.80
9/1/94	2000	12060	4740	-2.01	20.12	9/10/94	2100	25080	17760	-2.66	19.83
9/1/94	2100	12120	4800	-1.79	20.21	9/10/94	2200	25140	17820	-3.00	19.69
9/1/94	2200	12180	4860	-1.78	20.22	9/10/94	2300	25200	17880	-2.76	19.79
9/1/94	2300	12240	4920	-1.78	20.22	9/11/94	0	25260	17940	-2.74	19.80
9/2/94	0	12300	4980	-1.75	20.23	9/11/94	100	25320	18000	-2.69	19.82
9/2/94	100	12360	5040	-1.94	20.14	9/11/94	200	25380	18060	-2.66	19.83
9/2/94	200	12420	5100	-1.80	20.21	9/11/94	300	25440	18120	-3.01	19.68
9/2/94	300	12480	5160	-1.75	20.23	9/11/94	400	25500	18180	-2.75	19.79
9/2/94	400	12540	5220	-1.76	20.22	9/11/94	500	25560	18240	-2.65	19.84
9/2/94	500	12600	5280	-1.73	20.24	9/11/94	600	25620	18300	-2.65	19.84
9/2/94	600	12660	5340	-1.93	20.15	9/11/94	700	25680	18360	-2.98	19.70
9/2/94	700	12720	5400	-1.75	20.23	9/11/94	800	25740	18420	-2.71	19.81
9/2/94	800	12780	5460	-1.71	20.25	9/11/94	900	25800	18480	-2.64	19.85
9/2/94	900	12840	5520	-1.72	20.24	9/11/94	1000	25860	18540	-2.58	19.87
9/2/94	1000	12900	5580	-3.91	19.29	9/11/94	1100	25920	18600	-2.85	19.75
9/2/94	1100	12960	5640	-1.82	20.20	9/11/94	1200	25980	18660	-2.69	19.82
						9/11/94	1300	26040	18720	-3.29	19.56
						9/11/94	1400	26100	18780	-3.21	19.60
						9/11/94	1500	26160	18840	-2.91	19.73
						9/11/94	1600	26220	18900	-2.83	19.76
						9/11/94	1700	26280	18960	-2.76	19.79
						9/11/94	1800	26340	19020	-3.71	19.38
						9/11/94	1900	26400	19080	-2.87	19.74
						9/11/94	2000	26460	19140	-2.77	19.79
						9/11/94	2100	26520	19200	-2.74	19.80
						9/11/94	2200	26580	19260	-3.16	19.62
						9/11/94	2300	26640	19320	-2.84	19.76
						9/12/94	0	26700	19380	-2.71	19.81
						9/12/94	100	26760	19440	-2.77	19.79
						9/12/94	200	26820	19500	-2.75	19.79
						9/12/94	300	26880	19560	-2.99	19.69
						9/12/94	400	26940	19620	-2.82	19.76
						9/12/94	500	27000	19680	-2.74	19.80
						9/12/94	600	27060	19740	-2.74	19.80
						9/12/94	700	27120	19800	-4.72	18.94
						9/12/94	800	27180	19860	-2.85	19.75
						9/12/94	900	27240	19920	-2.74	19.80
						9/12/94	1000	27300	19980	-2.69	19.82
						9/12/94	1100	27360	20040	-2.69	19.82
						9/12/94	1200	27420	20100	-2.93	19.72
						9/12/94	1300	27480	20160	-2.73	19.81
						9/12/94	1400	27540	20220	-2.81	19.77
						9/12/94	1500	27600	20280	-2.77	19.79

EXISTING SNOW HILL PRODUCTION WELL

Emery & Garrett Groundwater, Inc.

PUMPING TEST DATA SHEET FOR EXISTING SNOW HILL PRODUCTION WELL

PROJECT: New Baltimore, Virginia (WSA)
SUBCONTRACTOR: Valley Drilling
PUMPING WELL (S): E-1, E-6, & E-7

MONITORING WELL: Snow Hill
STATIC WATER LEVEL: 13.71 feet
MAXIMUM DRAWDOWN: 3.01 feet
MEASURING POINT: Top of Casing

	Date	Hour	Minute
Start of Pumping:	8/29/94	13	9
Start of Recovery:	9/2/94	12	0

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time		Cum. Time	Water Level	Comments	Date	24 Hour Time		Cum. Time	Cum. Time	Water Level
	Hour	Minute	(minutes)	(feet)			Hour	Minute	t (minutes)	t' (minutes)	(feet)
8/29/94	9	35	-214	13.71		9/2/94	13	34	5785	94	16.44
8/29/94	14	23	74	13.78		9/2/94	14	0	5811	120	16.37
8/29/94	15	35	146	13.79		9/2/94	15	10	5881	190	16.21
8/29/94	17	50	281	13.82		9/2/94	16	10	5941	250	16.11
8/29/94	19	18	369	14.25		9/2/94	19	35	6146	455	15.92
8/29/94	20	0	411	14.37		9/2/94	21	50	6281	590	15.86
8/29/94	21	24	495	14.56		9/2/94	23	55	6406	715	15.8
8/29/94	23	42	633	14.77		9/3/94	7	5	6836	1145	15.6
8/30/94	4	36	927	15.02		9/3/94	9	38	6989	1298	15.56
8/30/94	7	38	1109	15.16		9/3/94	12	20	7151	1460	15.48
8/30/94	10	31	1282	15.26		9/3/94	14	31	7282	1591	15.42
8/30/94	14	0	1491	15.33		9/3/94	17	58	7489	1798	15.36
8/30/94	16	20	1631	15.36		9/3/94	22	56	7787	2096	15.33
8/30/94	17	55	1726	15.42		9/4/94	6	56	8267	2576	15.22
8/30/94	21	18	1929	15.55		9/4/94	9	20	8411	2720	15.19
8/30/94	23	25	2056	15.6		9/4/94	12	22	8593	2902	15.16
8/31/94	5	53	2444	15.69		9/4/94	15	18	8769	3078	15.09
8/31/94	11	40	2791	15.79							
8/31/94	12	55	2866	15.8							
8/31/94	17	15	3126	15.82							
8/31/94	20	18	3309	15.93							
9/1/94	6	53	3944	16.17							
9/1/94	11	0	4191	16.28							
9/1/94	13	45	4356	16.33							
9/1/94	16	20	4511	16.34							
9/1/94	19	58	4729	16.42							
9/2/94	5	45	5316	16.66							
9/2/94	10	18	5589	16.72	RECOVERY						

GREENHOUSE MONITORING WELL

Emery & Garrett Groundwater, Inc.

PUMPING TEST DATA SHEET FOR GREENHOUSE WELL

PROJECT: New Baltimore, Virginia (WSA)
SUBCONTRACTOR: Valley Drilling
PUMPING WELL (S): E-1, E-6, & E-7

MONITORING WELL: Greenhouse Well
STATIC WATER LEVEL: 13.93 feet
MAXIMUM DRAWDOWN: 41.54 feet
MEASURING POINT: Top of Casing

	Date	Hour	Minute
Start of Pumping:	8/29/94	13	0
Start of Recovery:	9/2/94	12	0

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time		Cum. Time	Water Level	Comments	Date	24 Hour Time		Cum. Time	Cum. Time	Water Level
	Hour	Minute	(minutes)	(feet)			Hour	Minute	t (minutes)	t' (minutes)	(feet)
8/29/94	9	35	-205	13.93		9/2/94	12	16	5716	16	42.93
8/29/94	12	57	-3	13.93		9/2/94	12	28	5728	28	38.56
8/29/94	13	1	1	14.14		9/2/94	12	34	5734	34	36.76
8/29/94	13	2	2	14.62		9/2/94	12	39	5739	39	35.63
8/29/94	13	3	3	15.25		9/2/94	12	44	5744	44	34.7
8/29/94	13	4	4	15.96		9/2/94	12	50	5750	50	33.76
8/29/94	13	6	6	17.58		9/2/94	12	55	5755	55	33.06
8/29/94	13	7	7	18.42		9/2/94	13	2	5762	62	32.18
8/29/94	13	8	8	19.07		9/2/94	13	8	5768	68	31.62
8/29/94	13	9	9	20.43		9/2/94	13	16	5776	76	30.77
8/29/94	13	10	10	24.3		9/2/94	13	25	5785	85	30.15
8/29/94	13	16	16	27.2		9/2/94	13	32	5792	92	29.57
8/29/94	13	22	22	29.92		9/2/94	13	42	5802	102	28.94
8/29/94	13	30	30	31.54		9/2/94	13	53	5813	113	28.38
8/29/94	13	36	36	32.78		9/2/94	14	24	5844	144	26.92
8/29/94	13	42	42	33.74		9/2/94	15	2	5882	182	25.67
8/29/94	13	47	47	34.47		9/2/94	15	51	5931	231	24.35
8/29/94	13	52	52	36.64		9/2/94	16	57	5997	297	23.23
8/29/94	14	20	80	37.5		9/2/94	19	27	6147	447	21.75
8/29/94	14	30	90	38.22		9/2/94	21	40	6280	580	20.8
8/29/94	14	38	98	38.7		9/2/94	23	45	6405	705	20.3
8/29/94	15	0	120	40.08		9/3/94	6	43	6823	1123	18.88
8/29/94	15	34	154	41.35		9/3/94	9	32	6992	1292	18.56
8/29/94	16	4	184	42.29		9/3/94	12	0	7140	1440	18.25
8/29/94	16	34	214	43.31		9/3/94	14	51	7311	1611	17.87
8/29/94	17	4	244	44.05		9/3/94	17	48	7488	1788	17.55
8/29/94	17	34	274	44.57		9/3/94	22	48	7788	2088	17.21
8/29/94	18	0	300	45.15		9/4/94	6	48	8268	2568	16.61
8/29/94	18	30	330	45.62		9/4/94	9	14	8414	2714	16.55
8/29/94	19	4	364	45.96		9/4/94	12	16	8596	2896	16.41
8/29/94	19	34	394	46.26		9/4/94	15	5	8765	3065	16.21
8/29/94	20	4	424	46.58							
8/29/94	20	34	454	46.84							
8/29/94	21	10	490	47.15							
8/29/94	23	30	630	47.93							
8/30/94	5	30	990	49.08							
8/30/94	7	29	1109	49.3							
8/30/94	10	20	1280	49.52							
8/30/94	14	10	1510	50.45							
8/30/94	16	8	1628	50.73							
8/30/94	18	8	1748	52.5	E-1 & E-6 Q incresed to						
8/30/94	21	30	1950	53.43	350 gpm @ 17:00						
8/30/94	23	10	2050	53.6							
8/31/94	5	32	2432	54.01							
8/31/94	10	51	2751	54.08							
8/31/94	13	40	2920	54.24							
8/31/94	17	10	3130	54.3							
8/31/94	20	15	3315	54.46							
9/1/94	6	45	3945	54.83							
9/1/94	10	45	4185	54.92							
9/1/94	13	35	4355	54.93							
9/1/94	16	10	4510	54.96							
9/1/94	19	45	4725	55.08							
9/2/94	6	0	5340	55.35							
9/2/94	10	25	5605	55.47	RECOVERY						

TENANT DOMESTIC WELL

Emery & Garrett Groundwater, Inc.

PUMPING TEST DATA SHEET FOR TENANT DOMESTIC WELL

PROJECT: New Baltimore, Virginia
SUBCONTRACTOR: Valley Drilling
PUMPING WELL (S): E-1, E-6, E-7

MONITORING WELL: Tenant Well
STATIC WATER LEVEL: NA
MAXIMUM DRAWDOWN: NA
MEASURING POINT: NA

	Date	Hour	Minute
Start of Pumping:	8/29/94	13	0
Start of Recovery:	9/2/94	12	0

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
8/25/94	1200	0	-5820	0.00	57.49	9/2/94	1200	11520	5700	-3.93	55.56
8/25/94	1300	60	-5760	0.87	58.36	9/2/94	1230	11550	5730	-2.00	55.49
8/25/94	1400	120	-5700	-0.51	56.98	9/2/94	1300	11580	5760	-1.89	55.6
8/25/94	1500	180	-5640	-0.74	56.75	9/2/94	1330	11610	5790	-1.82	55.67
8/25/94	1600	240	-5580	-1.03	56.46	9/2/94	1400	11640	5820	-1.79	55.7
8/25/94	1700	300	-5520	-0.37	57.12	9/2/94	1430	11670	5850	-2.52	54.97
8/25/94	1800	360	-5460	-1.49	56	9/2/94	1500	11700	5880	-1.74	55.75
8/25/94	1900	420	-5400	-0.08	57.41	9/2/94	1530	11730	5910	-3.49	54
8/25/94	2000	480	-5340	0.19	57.68	9/2/94	1600	11760	5940	-1.71	55.78
8/25/94	2100	540	-5280	0.56	58.05	9/2/94	1630	11790	5970	-2.28	55.21
8/25/94	2200	600	-5220	0.18	57.67	9/2/94	1700	11820	6000	-4.47	53.02
8/25/94	2300	660	-5160	0.57	58.06	9/2/94	1730	11850	6030	-3.42	54.07
8/26/94	0	720	-5100	0.56	58.05	9/2/94	1800	11880	6060	-1.59	55.9
8/26/94	100	780	-5040	0.15	57.64	9/2/94	1830	11910	6090	-2.31	55.18
8/26/94	200	840	-4980	-0.02	57.47	9/2/94	1900	11940	6120	-1.53	55.96
8/26/94	300	900	-4920	0.62	58.11	9/2/94	1930	11970	6150	-1.49	56
8/26/94	400	960	-4860	0.42	57.91	9/2/94	2000	12000	6180	-1.63	55.86
8/26/94	500	1020	-4800	0.69	58.18	9/2/94	2030	12030	6210	-2.58	54.91
8/26/94	600	1080	-4740	0.53	58.02	9/2/94	2100	12060	6240	-1.70	55.79
8/26/94	700	1140	-4680	0.24	57.73	9/2/94	2130	12090	6270	-1.43	56.06
8/26/94	800	1200	-4620	-0.01	57.48	9/2/94	2200	12120	6300	-2.09	55.4
8/26/94	900	1260	-4560	0.71	58.2	9/2/94	2230	12150	6330	-1.42	56.07
8/26/94	1000	1320	-4500	0.57	58.06	9/2/94	2300	12180	6360	-1.73	55.76
8/26/94	1100	1380	-4440	-1.24	56.25	9/2/94	2330	12210	6390	-2.50	54.99
8/26/94	1200	1440	-4380	-0.08	57.41	9/3/94	0	12240	6420	-1.50	55.99
8/26/94	1300	1500	-4320	0.53	58.02	9/3/94	30	12270	6450	-1.36	56.13
8/26/94	1400	1560	-4260	0.47	57.96	9/3/94	100	12300	6480	-1.32	56.17
8/26/94	1430	1590	-4230	0.48	57.97	9/3/94	130	12330	6510	-1.63	55.86
8/26/94	1500	1620	-4200	0.44	57.93	9/3/94	200	12360	6540	-1.36	56.13
8/26/94	1530	1650	-4170	0.21	57.7	9/3/94	230	12390	6570	-1.31	56.18
8/26/94	1600	1680	-4140	0.52	58.01	9/3/94	300	12420	6600	-1.87	55.62
8/26/94	1630	1710	-4110	0.48	57.97	9/3/94	330	12450	6630	-1.39	56.1
8/26/94	1700	1740	-4080	-0.74	56.75	9/3/94	400	12480	6660	-1.32	56.17
8/26/94	1730	1770	-4050	-0.07	57.42	9/3/94	430	12510	6690	-1.27	56.22
8/26/94	1800	1800	-4020	0.18	57.67	9/3/94	500	12540	6720	-2.54	54.95
8/26/94	1830	1830	-3990	0.28	57.77	9/3/94	530	12570	6750	-2.26	55.23
8/26/94	1900	1860	-3960	0.45	57.94	9/3/94	600	12600	6780	-1.33	56.16
8/26/94	1930	1890	-3930	-0.21	57.28	9/3/94	630	12630	6810	-2.20	55.29
8/26/94	2000	1920	-3900	0.28	57.77	9/3/94	700	12660	6840	-1.34	56.15
8/26/94	2030	1950	-3870	0.19	57.68	9/3/94	730	12690	6870	-1.33	56.16
8/26/94	2100	1980	-3840	-1.62	55.87	9/3/94	800	12720	6900	-1.87	55.62
8/26/94	2130	2010	-3810	-0.45	57.04	9/3/94	830	12750	6930	-1.53	55.96
8/26/94	2200	2040	-3780	-1.56	55.93	9/3/94	900	12780	6960	-2.79	54.7
8/26/94	2230	2070	-3750	0.37	57.86	9/3/94	930	12810	6990	-3.65	53.84
8/26/94	2300	2100	-3720	0.39	57.88	9/3/94	1000	12840	7020	-1.87	55.62
8/26/94	2330	2130	-3690	-0.32	57.17	9/3/94	1030	12870	7050	-2.34	55.15
8/27/94	0	2160	-3660	-0.20	57.29	9/3/94	1100	12900	7080	-1.88	55.61
8/27/94	30	2190	-3630	-0.47	57.02	9/3/94	1130	12930	7110	-1.86	55.63
8/27/94	100	2220	-3600	0.44	57.93	9/3/94	1200	12960	7140	-2.27	55.22
8/27/94	130	2250	-3570	0.41	57.9	9/3/94	1230	12990	7170	-1.47	56.02
8/27/94	200	2280	-3540	-0.71	56.78	9/3/94	1300	13020	7200	-1.74	55.75
8/27/94	230	2310	-3510	0.43	57.92	9/3/94	1330	13050	7230	-1.36	56.13
8/27/94	300	2340	-3480	-1.20	56.29	9/3/94	1400	13080	7260	-1.29	56.2
8/27/94	330	2370	-3450	0.29	57.78	9/3/94	1430	13110	7290	-1.67	55.82
8/27/94	400	2400	-3420	0.04	57.53	9/3/94	1500	13140	7320	-1.34	56.15
8/27/94	430	2430	-3390	0.48	57.97	9/3/94	1530	13170	7350	-3.40	54.09
8/27/94	500	2460	-3360	0.43	57.92	9/3/94	1600	13200	7380	-1.48	56.01
8/27/94	530	2490	-3330	0.36	57.85	9/3/94	1630	13230	7410	-1.39	56.1
8/27/94	600	2520	-3300	0.35	57.84	9/3/94	1700	13260	7440	-2.38	55.11
8/27/94	630	2550	-3270	0.37	57.86	9/3/94	1730	13290	7470	-1.55	55.94
8/27/94	700	2580	-3240	0.25	57.74	9/3/94	1800	13320	7500	-1.73	55.76
8/27/94	730	2610	-3210	-0.34	57.15	9/3/94	1830	13350	7530	-1.65	55.84
8/27/94	800	2640	-3180	0.48	57.97	9/3/94	1900	13380	7560	-1.91	55.58
8/27/94	830	2670	-3150	0.43	57.92	9/3/94	1930	13410	7590	-1.70	55.79
8/27/94	900	2700	-3120	0.32	57.81	9/3/94	2000	13440	7620	-2.29	55.2
8/27/94	930	2730	-3090	-0.15	57.34	9/3/94	2030	13470	7650	-1.32	56.17
8/27/94	1000	2760	-3060	0.47	57.96	9/3/94	2100	13500	7680	-1.50	55.99
8/27/94	1030	2790	-3030	-0.39	57.1	9/3/94	2130	13530	7710	-1.49	56
8/27/94	1100	2820	-3000	-0.71	56.78	9/3/94	2200	13560	7740	-1.48	56.01
8/27/94	1130	2850	-2970	-1.78	55.71	9/3/94	2230	13590	7770	-1.27	56.22
8/27/94	1200	2880	-2940	0.09	57.58	9/3/94	2300	13620	7800	-1.26	56.23
8/27/94	1230	2910	-2910	-0.78	56.71	9/3/94	2330	13650	7830	-2.37	55.12
8/27/94	1300	2940	-2880	-1.05	56.44	9/4/94	0	13680	7860	-1.22	56.27
8/27/94	1330	2970	-2850	-0.13	57.36	9/4/94	30	13710	7890	-1.20	56.29
8/27/94	1400	3000	-2820	-0.73	56.76	9/4/94	100	13740	7920	-1.20	56.29
8/27/94	1430	3030	-2790	0.18	57.67	9/4/94	130	13770	7950	-1.22	56.27
8/27/94	1500	3060	-2760	0.17	57.66	9/4/94	200	13800	7980	-1.25	56.24
8/27/94	1530	3090	-2730	-1.76	55.73	9/4/94	230	13830	8010	-1.31	56.18
8/27/94	1600	3120	-2700	-0.68	56.81	9/4/94	300	13860	8040	-1.71	55.78
8/27/94	1630	3150	-2670	0.17	57.66	9/4/94	330	13890	8070	-1.19	56.3
8/27/94	1700	3180	-2640	-0.47	57.02	9/4/94	400	13920	8100	-1.37	56.12
8/27/94	1730	3210	-2610	-0.80	56.69	9/4/94	430	13950	8130	-1.59	55.9
8/27/94	1800	3240	-2580	0.10	57.59	9/4/94	500	13980	8160	-1.20	56.29
8/27/94	1830	3270	-2550	0.23	57.72	9/4/94	530	14010	8190	-2.55	54.94
8/27/94	1900	3300	-2520	-0.08	57.41	9/4/94	600	14040	8220	-1.83	55.66
8/27/94	1930	3330	-2490	-0.72	56.77	9/4/94	630	14070	8250	-1.73	55.76
8/27/94	2000	3360	-2460	0.24	57.73	9/4/94	700	14100	8280	-1.62	55.87
8/27/94	2030	3390	-2430	-0.34	57.15	9/4/94	730	14130	8310	-1.17	56.32
8/27/94	2100	3420	-2400	-0.08	57.41	9/4/94	800	14160	8340	-1.17	56.32
8/27/94	2130	3450	-2370	0.14	57.63	9/4/94	830	14190	8370	-1.77	55.72

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
8/27/94	2200	3480	-2340	0.16	57.65	9/4/94	900	14220	8400	-1.26	56.23
8/27/94	2230	3510	-2310	0.27	57.76	9/4/94	930	14250	8430	-1.37	56.12
8/27/94	2300	3540	-2280	0.24	57.73	9/4/94	1000	14280	8460	-3.72	53.77
8/27/94	2330	3570	-2250	-2.06	55.43	9/4/94	1030	14310	8490	-1.36	56.13
8/28/94	0	3600	-2220	0.23	57.72	9/4/94	1100	14340	8520	-2.85	54.64
8/28/94	30	3630	-2190	0.23	57.72	9/4/94	1130	14370	8550	-1.48	56.01
8/28/94	100	3660	-2160	0.08	57.57	9/4/94	1200	14400	8580	-2.97	54.52
8/28/94	130	3690	-2130	-0.82	56.67	9/4/94	1230	14430	8610	-1.47	56.02
8/28/94	200	3720	-2100	0.29	57.78	9/4/94	1300	14460	8640	-1.83	55.66
8/28/94	230	3750	-2070	0.20	57.69	9/4/94	1330	14490	8670	-1.33	56.16
8/28/94	300	3780	-2040	0.12	57.61	9/4/94	1400	14520	8700	-2.33	55.16
8/28/94	330	3810	-2010	0.09	57.58	9/4/94	1430	14550	8730	-1.36	56.13
8/28/94	400	3840	-1980	0.22	57.71	9/4/94	1500	14580	8760	-3.24	54.25
8/28/94	430	3870	-1950	0.14	57.63	9/4/94	1530	14610	8790	-1.92	55.57
8/28/94	500	3900	-1920	0.12	57.61	9/4/94	1600	14640	8820	-1.34	56.15
8/28/94	530	3930	-1890	0.03	57.52	9/4/94	1630	14670	8850	-1.34	56.15
8/28/94	600	3960	-1860	0.08	57.57	9/4/94	1700	14700	8880	-1.31	56.18
8/28/94	630	3990	-1830	-0.53	56.96	9/4/94	1730	14730	8910	-1.31	56.18
8/28/94	700	4020	-1800	0.15	57.64	9/4/94	1800	14760	8940	-2.30	55.19
8/28/94	730	4050	-1770	0.03	57.52	9/4/94	1830	14790	8970	-2.55	54.94
8/28/94	800	4080	-1740	-1.02	56.47	9/4/94	1900	14820	9000	-1.65	55.84
8/28/94	830	4110	-1710	0.26	57.75	9/4/94	1930	14850	9030	-1.35	56.14
8/28/94	900	4140	-1680	0.21	57.7	9/4/94	2000	14880	9060	-1.38	56.11
8/28/94	930	4170	-1650	0.11	57.6	9/4/94	2030	14910	9090	-1.35	56.14
8/28/94	1000	4200	-1620	-1.12	56.37	9/4/94	2100	14940	9120	-1.82	55.67
8/28/94	1030	4230	-1590	-0.16	57.33	9/4/94	2130	14970	9150	-1.21	56.28
8/28/94	1100	4260	-1560	0.14	57.63	9/4/94	2200	15000	9180	-1.30	56.19
8/28/94	1130	4290	-1530	-0.53	56.96	9/4/94	2230	15030	9210	-1.63	55.86
8/28/94	1200	4320	-1500	-1.93	55.56	9/4/94	2300	15060	9240	-1.19	56.3
8/28/94	1230	4350	-1470	-1.81	55.68	9/4/94	2330	15090	9270	-1.26	56.23
8/28/94	1300	4380	-1440	-0.07	57.42	9/5/94	0	15120	9300	-1.76	55.73
8/28/94	1330	4410	-1410	0.05	57.54	9/5/94	30	15150	9330	-1.20	56.29
8/28/94	1400	4440	-1380	-2.38	55.11	9/5/94	100	15180	9360	-1.32	56.17
8/28/94	1430	4470	-1350	-0.93	56.56	9/5/94	130	15210	9390	-1.35	56.14
8/28/94	1500	4500	-1320	-0.14	57.35	9/5/94	200	15240	9420	-1.34	56.15
8/28/94	1530	4530	-1290	-2.12	55.37	9/5/94	230	15270	9450	-1.33	56.16
8/28/94	1600	4560	-1260	-2.40	55.09	9/5/94	300	15300	9480	-2.03	55.46
8/28/94	1630	4590	-1230	-0.49	57	9/5/94	330	15330	9510	-2.01	55.48
8/28/94	1700	4620	-1200	-0.71	56.78	9/5/94	400	15360	9540	-1.22	56.27
8/28/94	1730	4650	-1170	-0.47	57.02	9/5/94	430	15390	9570	-1.31	56.18
8/28/94	1800	4680	-1140	-1.12	56.37	9/5/94	500	15420	9600	-2.02	55.47
8/28/94	1830	4710	-1110	-1.22	56.27	9/5/94	530	15450	9630	-1.66	55.83
8/28/94	1900	4740	-1080	-1.41	56.08	9/5/94	600	15480	9660	-1.39	56.1
8/28/94	1930	4770	-1050	-0.59	56.9	9/5/94	630	15510	9690	-1.56	55.93
8/28/94	2000	4800	-1020	-0.71	56.78	9/5/94	700	15540	9720	-1.44	56.05
8/28/94	2030	4830	-990	-1.51	55.98	9/5/94	730	15570	9750	-1.61	55.88
8/28/94	2100	4860	-960	-1.26	56.23	9/5/94	800	15600	9780	-1.25	56.24
8/28/94	2130	4890	-930	-0.74	56.75	9/5/94	830	15630	9810	-1.42	56.07
8/28/94	2200	4920	-900	0.03	57.52	9/5/94	900	15660	9840	-1.63	55.86
8/28/94	2230	4950	-870	-0.40	57.09	9/5/94	930	15690	9870	-3.13	54.36
8/28/94	2300	4980	-840	-0.06	57.43	9/5/94	1000	15720	9900	-1.44	56.05
8/28/94	2330	5010	-810	-0.01	57.48	9/5/94	1030	15750	9930	-2.73	54.76
8/29/94	0	5040	-780	-0.49	57	9/5/94	1100	15780	9960	-1.62	55.87
8/29/94	30	5070	-750	-0.75	56.74	9/5/94	1130	15810	9990	-3.15	54.34
8/29/94	100	5100	-720	-0.53	56.96	9/5/94	1200	15840	10020	-1.40	56.09
8/29/94	130	5130	-690	-0.01	57.48	9/5/94	1230	15870	10050	-1.31	56.18
8/29/94	200	5160	-660	-0.04	57.45	9/5/94	1300	15900	10080	-1.62	55.87
8/29/94	230	5190	-630	-0.09	57.4	9/5/94	1330	15930	10110	-1.25	56.24
8/29/94	300	5220	-600	-0.07	57.42	9/5/94	1400	15960	10140	-2.01	55.48
8/29/94	330	5250	-570	-0.04	57.45	9/5/94	1430	15990	10170	-1.68	55.81
8/29/94	400	5280	-540	-0.06	57.43	9/5/94	1500	16020	10200	-1.36	56.13
8/29/94	430	5310	-510	-0.05	57.44	9/5/94	1530	16050	10230	-3.38	54.11
8/29/94	500	5340	-480	-0.26	57.23	9/5/94	1600	16080	10260	-1.74	55.75
8/29/94	530	5370	-450	-0.08	57.41	9/5/94	1630	16110	10290	-2.89	54.6
8/29/94	600	5400	-420	-1.33	56.16	9/5/94	1700	16140	10320	-1.66	55.83
8/29/94	630	5430	-390	-0.06	57.43	9/5/94	1730	16170	10350	-2.48	55.01
8/29/94	700	5460	-360	-0.03	57.46	9/5/94	1800	16200	10380	-1.49	56
8/29/94	730	5490	-330	-1.26	56.23	9/5/94	1830	16230	10410	-2.17	55.32
8/29/94	800	5520	-300	-0.05	57.44	9/5/94	1900	16260	10440	-4.59	52.9
8/29/94	830	5550	-270	-0.06	57.43	9/5/94	1930	16290	10470	-2.54	54.95
8/29/94	900	5580	-240	-0.15	57.34	9/5/94	2000	16320	10500	-2.14	55.35
8/29/94	930	5610	-210	-0.08	57.41	9/5/94	2030	16350	10530	-1.90	55.59
8/29/94	1000	5640	-180	-1.41	56.08	9/5/94	2100	16380	10560	-1.48	56.01
8/29/94	1030	5670	-150	-0.07	57.42	9/5/94	2130	16410	10590	-1.45	56.04
8/29/94	1100	5700	-120	-0.13	57.36	9/5/94	2200	16440	10620	-1.90	55.59
8/29/94	1130	5730	-90	-0.16	57.33	9/5/94	2230	16470	10650	-1.46	56.03
8/29/94	1200	5760	-60	-0.17	57.32	9/5/94	2300	16500	10680	-1.50	55.99
8/29/94	1230	5790	-30	-1.05	56.44	9/5/94	2330	16530	10710	-1.93	55.56
8/29/94	1300	5820	0	-0.62	56.87	9/6/94	0	16560	10740	-1.34	56.15
8/29/94	1330	5850	30	-0.43	57.06	9/6/94	30	16590	10770	-1.39	56.1
8/29/94	1400	5880	60	-0.23	57.26	9/6/94	100	16620	10800	-1.48	56.01
8/29/94	1430	5910	90	-0.60	56.89	9/6/94	130	16650	10830	-2.53	54.96
8/29/94	1500	5940	120	-0.08	57.41	9/6/94	200	16680	10860	-1.37	56.12
8/29/94	1530	5970	150	-1.11	56.38	9/6/94	230	16710	10890	-1.43	56.06
8/29/94	1600	6000	180	-0.20	57.29	9/6/94	300	16740	10920	-1.67	55.82
8/29/94	1630	6030	210	-0.76	56.73	9/6/94	330	16770	10950	-1.36	56.13
8/29/94	1700	6060	240	-1.19	56.3	9/6/94	400	16800	10980	-1.38	56.11
8/29/94	1730	6090	270	-0.26	57.23	9/6/94	430	16830	11010	-2.22	55.27
8/29/94	1800	6120	300	-0.35	57.14	9/6/94	500	16860	11040	-3.08	54.41
8/29/94	1830	6150	330	-2.67	54.82	9/6/94	530	16890	11070	-1.42	56.07
8/29/94	1900	6180	360	-1.59	55.9	9/6/94	600	16920	11100	-1.79	55.7
8/29/94	1930	6210	390	-0.23	57.26	9/6/94	630	16950	11130	-1.69	55.8
8/29/94	2000	6240	420	-2.22	55.27	9/6/94	700	16980	11160	-1.56	55.93
8/29/94	2030	6270	450	-1.28	56.21	9/6/94	730	17010	11190	-1.42	56.07
8/29/94	2100	6300	480	-1.04	56.45	9/6/94	800	17040	11220	-1.40	56.09
8/29/94	2130	6330	510	-0.61	56.88	9/6/94	830	17070	11250	-1.41	56.08
8/29/94	2200	6360	540	-0.63	56.86	9/6/94	900	17100	11280	-1.45	56.04
8/29/94	2230	6390	570	-0.54	56.95	9/6/94	930	17130	11310	-1.61	55.88
8/29/94	2300	6420	600	-1.13	56.36	9/6/94	1000	17160	11340	-1.62	55.87
8/29/94	2330	6450	630	-0.27	57.22	9/6/94	1030	17190	11370	-2.07	55.42
8/30/94	0	6480	660	-0.35	57.14	9/6/94	1100	17220	11400	-1.76	55.73
8/30/94	30	6510	690	-0.56	56.93	9/6/94	1130	17250	11430	-1.89	55.6

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
8/30/94	100	5540	720	-0.28	57.21	9/6/94	1200	17280	11460	-1.74	55.75
8/30/94	130	5570	750	-0.33	57.16	9/6/94	1230	17310	11490	-1.39	56.1
8/30/94	200	5600	780	-0.42	57.07	9/6/94	1300	17340	11520	-1.60	55.89
8/30/94	230	5630	810	-0.60	56.89	9/6/94	1330	17370	11550	-1.61	55.88
8/30/94	300	5660	840	-0.35	57.14	9/6/94	1400	17400	11580	-2.29	55.2
8/30/94	330	5690	870	-0.39	57.1	9/6/94	1430	17430	11610	-2.16	55.33
8/30/94	400	5720	900	-0.45	57.04	9/6/94	1500	17460	11640	-1.41	56.08
8/30/94	430	5750	930	-0.63	56.86	9/6/94	1530	17490	11670	-1.64	55.85
8/30/94	500	5780	960	-2.33	55.16	9/6/94	1600	17520	11700	-2.02	55.47
8/30/94	530	5810	990	-1.59	55.9	9/6/94	1630	17550	11730	-1.69	55.8
8/30/94	600	5840	1020	-0.65	56.84	9/6/94	1700	17580	11760	-1.56	55.93
8/30/94	630	5870	1050	-0.57	56.92	9/6/94	1730	17610	11790	-2.36	55.13
8/30/94	700	5900	1080	-0.69	56.8	9/6/94	1800	17640	11820	-1.45	56.04
8/30/94	730	5930	1110	-1.33	56.16	9/6/94	1830	17670	11850	-1.47	56.02
8/30/94	800	5960	1140	-0.46	57.03	9/6/94	1900	17700	11880	-1.82	55.67
8/30/94	830	5990	1170	-0.50	56.99	9/6/94	1930	17730	11910	-1.62	55.87
8/30/94	900	7020	1200	-0.93	56.56	9/6/94	2000	17760	11940	-2.83	54.66
8/30/94	930	7050	1230	-0.56	56.93	9/6/94	2030	17790	11970	-1.54	55.95
8/30/94	1000	7080	1260	-1.74	55.75	9/6/94	2100	17820	12000	-1.57	55.92
8/30/94	1030	7110	1290	-0.26	57.23	9/6/94	2130	17850	12030	-1.78	55.71
8/30/94	1100	7140	1320	-0.51	56.98	9/6/94	2200	17880	12060	-1.43	56.06
8/30/94	1130	7170	1350	-0.57	56.92	9/6/94	2230	17910	12090	-1.82	55.67
8/30/94	1200	7200	1380	-0.74	56.75	9/6/94	2300	17940	12120	-1.43	56.06
8/30/94	1230	7230	1410	-0.62	56.87	9/6/94	2330	17970	12150	-1.95	55.54
8/30/94	1300	7260	1440	-0.64	56.85	9/7/94	0	18000	12180	-1.63	55.86
8/30/94	1330	7290	1470	-2.39	55.1	9/7/94	30	18030	12210	-1.69	55.8
8/30/94	1400	7320	1500	-2.35	55.14	9/7/94	100	18060	12240	-2.08	55.41
8/30/94	1430	7350	1530	-1.94	55.55	9/7/94	130	18090	12270	-1.40	56.09
8/30/94	1500	7380	1560	-1.51	55.98	9/7/94	200	18120	12300	-1.41	56.08
8/30/94	1530	7410	1590	-1.05	56.44	9/7/94	230	18150	12330	-1.46	56.03
8/30/94	1600	7440	1620	-1.02	56.47	9/7/94	300	18180	12360	-1.57	55.92
8/30/94	1630	7470	1650	-0.93	56.56	9/7/94	330	18210	12390	-1.94	55.55
8/30/94	1700	7500	1680	-1.14	56.35	9/7/94	400	18240	12420	-1.39	56.1
8/30/94	1730	7530	1710	-2.17	55.32	9/7/94	430	18270	12450	-1.42	56.07
8/30/94	1800	7560	1740	-2.29	55.2	9/7/94	500	18300	12480	-1.78	55.71
8/30/94	1830	7590	1770	-2.93	54.56	9/7/94	530	18330	12510	-1.91	55.58
8/30/94	1900	7620	1800	-2.15	55.34	9/7/94	600	18360	12540	-1.58	55.91
8/30/94	1930	7650	1830	-1.90	55.59	9/7/94	630	18390	12570	-1.64	55.85
8/30/94	2000	7680	1860	-1.04	56.45	9/7/94	700	18420	12600	-2.21	55.28
8/30/94	2030	7710	1890	-1.23	56.26	9/7/94	730	18450	12630	-2.34	55.15
8/30/94	2100	7740	1920	-2.59	54.9	9/7/94	800	18480	12660	-2.18	55.31
8/30/94	2130	7770	1950	-1.36	56.13	9/7/94	830	18510	12690	-1.37	56.12
8/30/94	2200	7800	1980	-0.93	56.56	9/7/94	900	18540	12720	-1.38	56.11
8/30/94	2230	7830	2010	-1.11	56.38	9/7/94	930	18570	12750	-1.39	56.1
8/30/94	2300	7860	2040	-1.04	56.45	9/7/94	1000	18600	12780	-2.05	55.44
8/30/94	2330	7890	2070	-1.21	56.28	9/7/94	1030	18630	12810	-2.51	54.98
8/31/94	0	7920	2100	-0.88	56.61	9/7/94	1100	18660	12840	-1.44	56.05
8/31/94	30	7950	2130	-0.94	56.55	9/7/94	1130	18690	12870	-3.39	54.1
8/31/94	100	7980	2160	-1.05	56.44	9/7/94	1200	18720	12900	-1.78	55.71
8/31/94	130	8010	2190	-1.57	55.92	9/7/94	1230	18750	12930	-1.51	55.98
8/31/94	200	8040	2220	-0.97	56.52	9/7/94	1300	18780	12960	-1.52	55.97
8/31/94	230	8070	2250	-1.03	56.46	9/7/94	1330	18810	12990	-1.55	55.94
8/31/94	300	8100	2280	-1.21	56.28	9/7/94	1400	18840	13020	-3.57	53.92
8/31/94	330	8130	2310	-1.27	56.22	9/7/94	1430	18870	13050	-2.11	55.38
8/31/94	400	8160	2340	-1.22	56.27	9/7/94	1500	18900	13080	-1.54	55.95
8/31/94	430	8190	2370	-1.25	56.24	9/7/94	1530	18930	13110	-1.49	56
8/31/94	500	8220	2400	-3.45	54.04	9/7/94	1600	18960	13140	-1.45	56.04
8/31/94	530	8250	2430	-1.96	55.53	9/7/94	1630	18990	13170	-1.46	56.03
8/31/94	600	8280	2460	-2.39	55.1	9/7/94	1700	19020	13200	-1.51	55.98
8/31/94	630	8310	2490	-1.27	56.22	9/7/94	1730	19050	13230	-1.60	55.89
8/31/94	700	8340	2520	-1.25	56.24	9/7/94	1800	19080	13260	-1.89	55.6
8/31/94	730	8370	2550	-1.72	55.77	9/7/94	1830	19110	13290	-1.63	55.86
8/31/94	800	8400	2580	-1.49	56	9/7/94	1900	19140	13320	-1.85	55.64
8/31/94	830	8430	2610	-1.49	56	9/7/94	1930	19170	13350	-1.52	55.97
8/31/94	900	8460	2640	-1.41	56.08	9/7/94	2000	19200	13380	-1.60	55.89
8/31/94	930	8490	2670	-3.78	53.71	9/7/94	2030	19230	13410	-2.72	54.77
8/31/94	1000	8520	2700	-1.69	55.8	9/7/94	2100	19260	13440	-1.41	56.08
8/31/94	1030	8550	2730	-1.41	56.08	9/7/94	2130	19290	13470	-1.35	56.14
8/31/94	1100	8580	2760	-1.61	55.88	9/7/94	2200	19320	13500	-2.59	54.9
8/31/94	1130	8610	2790	-3.67	53.82	9/7/94	2230	19350	13530	-2.30	55.19
8/31/94	1200	8640	2820	-3.61	53.88	9/7/94	2300	19380	13560	-1.87	55.62
8/31/94	1230	8670	2850	-3.13	54.36	9/7/94	2330	19410	13590	-1.40	56.09
8/31/94	1300	8700	2880	-4.67	52.82	9/8/94	0	19440	13620	-1.67	55.82
8/31/94	1330	8730	2910	-1.92	55.57	9/8/94	30	19470	13650	-2.00	55.49
8/31/94	1400	8760	2940	-1.56	55.93	9/8/94	100	19500	13680	-1.30	56.19
8/31/94	1430	8790	2970	-1.60	55.89	9/8/94	130	19530	13710	-1.30	56.19
8/31/94	1500	8820	3000	-2.40	55.09	9/8/94	200	19560	13740	-1.33	56.16
8/31/94	1530	8850	3030	-1.64	55.85	9/8/94	230	19590	13770	-1.35	56.14
8/31/94	1600	8880	3060	-1.46	56.03	9/8/94	300	19620	13800	-1.40	56.09
8/31/94	1630	8910	3090	-2.60	54.89	9/8/94	330	19650	13830	-1.43	56.06
8/31/94	1700	8940	3120	-1.89	55.6	9/8/94	400	19680	13860	-1.44	56.05
8/31/94	1730	8970	3150	-1.58	55.91	9/8/94	430	19710	13890	-4.02	53.47
8/31/94	1800	9000	3180	-2.98	54.51	9/8/94	500	19740	13920	-2.41	55.08
8/31/94	1830	9030	3210	-1.82	55.67	9/8/94	530	19770	13950	-1.71	55.78
8/31/94	1900	9060	3240	-1.78	55.71	9/8/94	600	19800	13980	-1.41	56.08
8/31/94	1930	9090	3270	-1.82	55.67	9/8/94	630	19830	14010	-3.13	54.36
8/31/94	2000	9120	3300	-1.94	55.55	9/8/94	700	19860	14040	-1.41	56.08
8/31/94	2030	9150	3330	-1.69	55.8	9/8/94	730	19890	14070	-1.59	55.9
8/31/94	2100	9180	3360	-3.34	54.15	9/8/94	800	19920	14100	-1.46	56.03
8/31/94	2130	9210	3390	-1.97	55.52	9/8/94	830	19950	14130	-1.35	56.14
8/31/94	2200	9240	3420	-2.87	54.62	9/8/94	900	19980	14160	-1.93	55.56
8/31/94	2230	9270	3450	-1.75	55.74	9/8/94	930	20010	14190	-1.26	56.23
8/31/94	2300	9300	3480	-1.75	55.74	9/8/94	1000	20040	14220	-1.35	56.14
8/31/94	2330	9330	3510	-2.52	54.97	9/8/94	1030	20070	14250	-1.37	56.12
9/1/94	0	9360	3540	-1.59	55.9	9/8/94	1100	20100	14280	-1.24	56.25
9/1/94	30	9390	3570	-1.66	55.83	9/8/94	1130	20130	14310	-1.45	56.04
9/1/94	100	9420	3600	-1.93	55.56	9/8/94	1200	20160	14340	-1.26	56.23
9/1/94	130	9450	3630	-1.60	55.89	9/8/94	1230	20190	14370	-1.47	56.02
9/1/94	200	9480	3660	-1.65	55.84	9/8/94	1300	20220	14400	-1.27	56.22
9/1/94	230	9510	3690	-1.79	55.7	9/8/94	1330	20250	14430	-1.45	56.04
9/1/94	300	9540	3720	-1.60	55.89	9/8/94	1400	20280	14460	-1.29	56.2
9/1/94	330	9570	3750	-1.64	55.85	9/8/94	1430	20310	14490	-1.45	56.04

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
9/1/94	400	9600	3780	-1.74	55.75	9/8/94	1500	20340	14520	-1.29	56.2
9/1/94	430	9630	3810	-2.08	55.41	9/8/94	1530	20370	14550	-1.65	55.84
9/1/94	500	9660	3840	-1.98	55.51	9/8/94	1600	20400	14580	-2.34	55.15
9/1/94	530	9690	3870	-3.30	54.19	9/8/94	1630	20430	14610	-1.51	55.98
9/1/94	600	9720	3900	-1.84	55.65	9/8/94	1700	20460	14640	-2.98	54.51
9/1/94	630	9750	3930	-1.98	55.51	9/8/94	1730	20490	14670	-2.28	55.21
9/1/94	700	9780	3960	-1.75	55.74	9/8/94	1800	20520	14700	-1.98	55.51
9/1/94	730	9810	3990	-2.10	55.39	9/8/94	1830	20550	14730	-2.58	54.91
9/1/94	800	9840	4020	-1.77	55.72	9/8/94	1900	20580	14760	-1.62	55.87
9/1/94	830	9870	4050	-1.66	55.83	9/8/94	1930	20610	14790	-1.44	56.05
9/1/94	900	9900	4080	-2.43	55.06	9/8/94	2000	20640	14820	-1.46	56.03
9/1/94	930	9930	4110	-1.77	55.72	9/8/94	2030	20670	14850	-2.14	55.35
9/1/94	1000	9960	4140	-2.47	55.02	9/8/94	2100	20700	14880	-1.55	55.94
9/1/94	1030	9990	4170	-1.85	55.64	9/8/94	2130	20730	14910	-2.97	54.52
9/1/94	1100	10020	4200	-2.18	55.31	9/8/94	2200	20760	14940	-1.56	55.93
9/1/94	1130	10050	4230	-2.27	55.22	9/8/94	2230	20790	14970	-1.44	56.05
9/1/94	1200	10080	4260	-1.79	55.7	9/8/94	2300	20820	15000	-1.45	56.04
9/1/94	1230	10110	4290	-2.36	55.13	9/8/94	2330	20850	15030	-1.45	56.04
9/1/94	1300	10140	4320	-1.67	55.82	9/9/94	0	20880	15060	-1.37	56.12
9/1/94	1330	10170	4350	-1.70	55.79	9/9/94	30	20910	15090	-1.37	56.12
9/1/94	1400	10200	4380	-1.81	55.68	9/9/94	100	20940	15120	-1.43	56.06
9/1/94	1430	10230	4410	-3.67	53.82	9/9/94	130	20970	15150	-1.53	55.96
9/1/94	1500	10260	4440	-2.02	55.47	9/9/94	200	21000	15180	-1.47	56.02
9/1/94	1530	10290	4470	-2.14	55.35	9/9/94	230	21030	15210	-1.43	56.06
9/1/94	1600	10320	4500	-2.09	55.4	9/9/94	300	21060	15240	-1.51	55.98
9/1/94	1630	10350	4530	-1.92	55.57	9/9/94	330	21090	15270	-1.68	55.81
9/1/94	1700	10380	4560	-3.28	54.21	9/9/94	400	21120	15300	-2.30	55.19
9/1/94	1730	10410	4590	-1.99	55.5	9/9/94	430	21150	15330	-3.27	54.22
9/1/94	1800	10440	4620	-1.97	55.52	9/9/94	500	21180	15360	-1.65	55.84
9/1/94	1830	10470	4650	-1.94	55.55	9/9/94	530	21210	15390	-1.52	55.97
9/1/94	1900	10500	4680	-1.84	55.65	9/9/94	600	21240	15420	-1.62	55.87
9/1/94	1930	10530	4710	-2.36	55.13	9/9/94	630	21270	15450	-2.74	54.75
9/1/94	2000	10560	4740	-2.26	55.23	9/9/94	700	21300	15480	-1.68	55.81
9/1/94	2030	10590	4770	-1.91	55.58	9/9/94	730	21330	15510	-1.50	55.99
9/1/94	2100	10620	4800	-1.99	55.5	9/9/94	800	21360	15540	-1.39	56.1
9/1/94	2130	10650	4830	-2.72	54.77	9/9/94	830	21390	15570	-1.40	56.09
9/1/94	2200	10680	4860	-2.01	55.48	9/9/94	900	21420	15600	-1.62	55.87
9/1/94	2230	10710	4890	-2.61	54.88	9/9/94	930	21450	15630	-1.30	56.19
9/1/94	2300	10740	4920	-1.98	55.51	9/9/94	1000	21480	15660	-1.35	56.14
9/1/94	2330	10770	4950	-2.28	55.21	9/9/94	1030	21510	15690	-1.39	56.1
9/2/94	0	10800	4980	-1.79	55.7	9/9/94	1100	21540	15720	-1.44	56.05
9/2/94	30	10830	5010	-1.88	55.61	9/9/94	1130	21570	15750	-1.56	55.93
9/2/94	100	10860	5040	-2.00	55.49	9/9/94	1200	21600	15780	-1.86	55.63
9/2/94	130	10890	5070	-2.75	54.74	9/9/94	1230	21630	15810	-1.32	56.17
9/2/94	200	10920	5100	-1.78	55.71	9/9/94	1300	21660	15840	-1.35	56.14
9/2/94	230	10950	5130	-2.53	54.96	9/9/94	1330	21690	15870	-1.38	56.11
9/2/94	300	10980	5160	-1.79	55.7	9/9/94	1400	21720	15900	-1.41	56.08
9/2/94	330	11010	5190	-1.86	55.63	9/9/94	1430	21750	15930	-1.46	56.03
9/2/94	400	11340	5220	-2.11	55.38	9/9/94	1500	21780	15960	-1.57	55.92
9/2/94	430	11370	5250	-1.79	55.7	9/9/94	1530	21810	15990	-1.48	56.01
9/2/94	500	11100	5280	-1.84	55.65	9/9/94	1600	21840	16020	-1.52	55.97
9/2/94	530	11130	5310	-3.26	54.23	9/9/94	1630	21870	16050	-1.86	55.63
9/2/94	600	11160	5340	-2.00	55.49	9/9/94	1700	21900	16080	-1.90	55.59
9/2/94	630	11190	5370	-1.85	55.64	9/9/94	1730	21930	16110	-3.48	54.01
9/2/94	700	11220	5400	-2.14	55.35	9/9/94	1800	21960	16140	-1.41	56.08
9/2/94	730	11250	5430	-1.97	55.52	9/9/94	1830	21990	16170	-1.86	55.63
9/2/94	800	11280	5460	-2.18	55.31	9/9/94	1900	22020	16200	-2.10	55.39
9/2/94	830	11310	5490	-1.81	55.68	9/9/94	1930	22050	16230	-1.44	56.05
9/2/94	900	11340	5520	-1.86	55.63	9/9/94	2000	22080	16260	-1.73	55.76
9/2/94	930	11370	5550	-2.05	55.44	9/9/94	2030	22110	16290	-1.87	55.62
9/2/94	1000	11400	5580	-3.89	53.6	9/9/94	2100	22140	16320	-2.44	55.05
9/2/94	1030	11430	5610	-1.94	55.55	9/9/94	2130	22170	16350	-1.41	56.08
9/2/94	1100	11460	5640	-2.26	55.23	9/9/94	2200	22200	16380	-1.41	56.08
9/2/94	1130	11490	5670	-2.00	55.49	9/9/94	2230	22230	16410	-1.65	55.84
						9/9/94	2300	22260	16440	-1.45	56.04
						9/9/94	2330	22290	16470	-1.46	56.03
						9/10/94	0	22320	16500	-1.41	56.08
						9/10/94	30	22350	16530	-1.40	56.09
						9/10/94	100	22380	16560	-1.44	56.05
						9/10/94	130	22410	16590	-1.51	55.98
						9/10/94	200	22440	16620	-1.63	55.86
						9/10/94	230	22470	16650	-2.09	55.4
						9/10/94	300	22500	16680	-1.35	56.14
						9/10/94	330	22530	16710	-1.37	56.12
						9/10/94	400	22560	16740	-1.39	56.1
						9/10/94	430	22590	16770	-1.41	56.08
						9/10/94	500	22620	16800	-1.47	56.02
						9/10/94	530	22650	16830	-1.44	56.05
						9/10/94	600	22680	16860	-1.53	55.96
						9/10/94	630	22710	16890	-2.45	55.04
						9/10/94	700	22740	16920	-2.18	55.31
						9/10/94	730	22770	16950	-2.15	55.34
						9/10/94	800	22800	16980	-2.62	54.87
						9/10/94	830	22830	17010	-2.99	54.5
						9/10/94	900	22860	17040	-1.74	55.75
						9/10/94	930	22890	17070	-2.36	55.13
						9/10/94	1000	22920	17100	-1.59	55.9
						9/10/94	1030	22950	17130	-1.88	55.61
						9/10/94	1100	22980	17160	-2.29	55.2
						9/10/94	1130	23010	17190	-1.32	56.17
						9/10/94	1200	23040	17220	-2.39	55.1
						9/10/94	1230	23070	17250	-1.89	55.6
						9/10/94	1300	23100	17280	-1.98	55.51
						9/10/94	1330	23130	17310	-1.58	55.91
						9/10/94	1400	23160	17340	-3.37	54.12
						9/10/94	1430	23190	17370	-1.66	55.83
						9/10/94	1500	23220	17400	-1.44	56.05
						9/10/94	1530	23250	17430	-1.43	56.06
						9/10/94	1600	23280	17460	-1.82	55.67
						9/10/94	1630	23310	17490	-1.48	56.01
						9/10/94	1700	23340	17520	-3.17	54.32
						9/10/94	1730	23370	17550	-1.76	55.73

PUMPING DATA						RECOVERY DATA					
Date	24 Hour Time Hour/Min.	Geokon Cum. Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading	Date	24 Hour Time Hour/Min.	Geokon Cum Time (min.)	Test Cum. Time (min.)	Drawdown (feet)	Geokon Reading
						9/10/94	1800	23400	17580	-1.38	56.11
						9/10/94	1830	23430	17610	-1.37	56.12
						9/10/94	1900	23460	17640	-1.37	56.12
						9/10/94	1930	23490	17670	-2.08	55.41
						9/10/94	2000	23520	17700	-1.43	56.01
						9/10/94	2030	23550	17730	-1.84	55.65
						9/10/94	2100	23580	17760	-1.47	56.02
						9/10/94	2130	23610	17790	-1.89	55.6
						9/10/94	2200	23640	17820	-2.00	55.49
						9/10/94	2230	23670	17850	-1.54	55.95
						9/10/94	2300	23700	17880	-2.41	55.08
						9/10/94	2330	23730	17910	-1.52	55.97
						9/11/94	0	23760	17940	-1.71	55.78
						9/11/94	30	23790	17970	-1.37	56.12
						9/11/94	100	23820	18000	-1.46	56.03
						9/11/94	130	23850	18030	-1.35	56.14
						9/11/94	200	23880	18060	-1.32	56.17
						9/11/94	230	23910	18090	-2.12	55.37
						9/11/94	300	23940	18120	-1.48	56.01
						9/11/94	330	23970	18150	-1.32	56.17
						9/11/94	400	24000	18180	-1.48	56.01
						9/11/94	430	24030	18210	-1.36	56.13
						9/11/94	500	24060	18240	-1.32	56.17
						9/11/94	530	24090	18270	-1.88	55.61
						9/11/94	600	24120	18300	-1.56	55.93
						9/11/94	630	24150	18330	-1.37	56.12
						9/11/94	700	24180	18360	-1.30	56.19
						9/11/94	730	24210	18390	-1.48	56.01
						9/11/94	800	24240	18420	-2.99	54.5
						9/11/94	830	24270	18450	-1.42	56.07
						9/11/94	900	24300	18480	-2.04	55.45
						9/11/94	930	24330	18510	-2.00	55.49
						9/11/94	1000	24360	18540	-4.09	53.4
						9/11/94	1030	24390	18570	-2.70	54.79
						9/11/94	1100	24420	18600	-2.24	55.25
						9/11/94	1130	24450	18630	-2.06	55.43
						9/11/94	1200	24480	18660	-1.39	56.1
						9/11/94	1230	24510	18690	-1.31	56.18
						9/11/94	1300	24540	18720	-1.41	56.08
						9/11/94	1330	24570	18750	-2.09	55.4
						9/11/94	1400	24600	18780	-3.26	54.23
						9/11/94	1430	24630	18810	-3.08	54.41
						9/11/94	1500	24660	18840	-7.65	49.84
						9/11/94	1530	24690	18870	-3.19	54.3
						9/11/94	1600	24720	18900	-1.79	55.7
						9/11/94	1630	24750	18930	-2.38	55.11
						9/11/94	1700	24780	18960	-2.07	55.42
						9/11/94	1730	24810	18990	-2.30	55.19
						9/11/94	1800	24840	19020	-1.55	55.94
						9/11/94	1830	24870	19050	-1.37	56.12
						9/11/94	1900	24900	19080	-1.53	55.96
						9/11/94	1930	24930	19110	-2.37	55.12
						9/11/94	2000	24960	19140	-1.59	55.9
						9/11/94	2030	24990	19170	-2.75	54.74
						9/11/94	2100	25020	19200	-1.46	56.03
						9/11/94	2130	25050	19230	-1.29	56.2
						9/11/94	2200	25080	19260	-1.51	55.98
						9/11/94	2230	25110	19290	-1.80	55.69
						9/11/94	2300	25140	19320	-1.44	56.05
						9/11/94	2330	25170	19350	-1.32	56.17
						9/12/94	0	25200	19380	-1.27	56.22
						9/12/94	30	25230	19410	-1.24	56.25
						9/12/94	100	25260	19440	-1.86	55.63
						9/12/94	130	25290	19470	-1.46	56.03
						9/12/94	200	25320	19500	-1.34	56.15
						9/12/94	230	25350	19530	-1.28	56.21
						9/12/94	300	25380	19560	-1.25	56.24
						9/12/94	330	25410	19590	-2.07	55.42
						9/12/94	400	25440	19620	-1.27	56.22
						9/12/94	430	25470	19650	-1.70	55.79
						9/12/94	500	25500	19680	-2.52	54.97
						9/12/94	530	25530	19710	-2.10	55.39
						9/12/94	600	25560	19740	-1.38	56.11
						9/12/94	630	25590	19770	-2.02	55.47
						9/12/94	700	25620	19800	-2.26	55.23
						9/12/94	730	25650	19830	-2.78	54.71
						9/12/94	800	25680	19860	-1.49	56
						9/12/94	830	25710	19890	-1.20	56.29
						9/12/94	900	25740	19920	-2.28	55.21
						9/12/94	930	25770	19950	-1.49	56
						9/12/94	1000	25800	19980	-1.27	56.22
						9/12/94	1030	25830	20010	-1.71	55.78
						9/12/94	1100	25860	20040	-1.59	55.9
						9/12/94	1130	25890	20070	-1.53	55.96
						9/12/94	1200	25920	20100	-1.50	55.99
						9/12/94	1230	25950	20130	-1.48	56.01
						9/12/94	1300	25980	20160	-1.48	56.01

BAROMETER

Emery & Garrett Groundwater, Inc.

PUMPING TEST DATA SHEET
FOR BAROMETRIC FLUCTUATIONS

PROJECT: New Baltimore, Virginia
SUBCONTRACTOR: Valley Well Drilling, Inc.
PUMPING WELL (S): E-1, E-6, and E-7

MONITORING WELL: BAROMETER
STATIC WATER LEVEL: Not Determined
MAXIMUM DRAWDOWN: NA
MEASURING POINT: Arbitrary Datum

	Date	Hour	Minute
Start of Monitoring:	8/26/94	16	0
Start of Pumping:	8/29/94	13	0
Start of Recovery:	9/2/94	12	0

Duration of Pre-Pumping Monitoring:	2.88	days
Duration of Pumping Test:	3.96	days
Duration of Recovery Monitoring:	10.02	days

					PRE-PUMPING DATA		PUMPING DATA		RECOVERY DATA		
Date	24 Hour Time		Discharge	Comments	Cumulative Time	Water Level Pre-Pumping	Cumulative Time	Water Level Pumping	Cumulative Time	Cumulative Time	Water Level Recovery
	(hour)	(minute)	(gpm)		(minutes)	(feet)	(minutes)	(feet)	(minutes)	t' (minutes)	(feet)
8/26/94	16	0			-4140	-0.042					
8/26/94	16	30			-4110	-0.042					
8/26/94	17	0			-4080	-0.049					
8/26/94	17	30			-4050	-0.043					
8/26/94	18	0			-4020	-0.047					
8/26/94	18	30			-3990	-0.032					
8/26/94	19	0			-3960	-0.026					
8/26/94	19	30			-3930	-0.031					
8/26/94	20	0			-3900	-0.034					
8/26/94	20	30			-3870	-0.028					
8/26/94	21	0			-3840	-0.019					
8/26/94	21	30			-3810	-0.013					
8/26/94	22	0			-3780	-0.008					
8/26/94	22	30			-3750	-0.004					
8/26/94	23	0			-3720	-0.018					
8/26/94	23	30			-3690	-0.024					
8/27/94	0	0			-3660	-0.027					
8/27/94	0	30			-3630	-0.023					
8/27/94	1	0			-3600	-0.026					
8/27/94	1	30			-3570	-0.03					
8/27/94	2	0			-3540	-0.038					
8/27/94	2	30			-3510	-0.038					
8/27/94	3	0			-3480	-0.038					
8/27/94	3	30			-3450	-0.042					
8/27/94	4	0			-3420	-0.038					
8/27/94	4	30			-3390	-0.044					
8/27/94	5	0			-3360	-0.044					
8/27/94	5	30			-3330	-0.044					
8/27/94	6	0			-3300	-0.037					
8/27/94	6	30			-3270	-0.029					
8/27/94	7	0			-3240	-0.02					
8/27/94	7	30			-3210	-0.013					
8/27/94	8	0			-3180	-0.012					
8/27/94	8	30			-3150	-0.012					
8/27/94	9	0			-3120	-0.015					
8/27/94	9	30			-3090	-0.013					
8/27/94	10	0			-3060	-0.014					
8/27/94	10	30			-3030	-0.012					
8/27/94	11	0			-3000	-0.006					
8/27/94	11	30			-2970	-0.011					
8/27/94	12	0			-2940	-0.022					
8/27/94	12	30			-2910	-0.024					
8/27/94	13	0			-2880	-0.033					
8/27/94	13	30			-2850	-0.038					
8/27/94	14	0			-2820	-0.043					
8/27/94	14	30			-2790	-0.049					
8/27/94	15	0			-2760	-0.055					
8/27/94	15	30			-2730	-0.068					
8/27/94	16	0			-2700	-0.081					
8/27/94	16	30			-2670	-0.091					
8/27/94	17	0			-2640	-0.089					
8/27/94	17	30			-2610	-0.1					
8/27/94	18	0			-2580	-0.096					
8/27/94	18	30			-2550	-0.095					
8/27/94	19	0			-2520	-0.098					
8/27/94	19	30			-2490	-0.106					
8/27/94	20	0			-2460	-0.104					
8/27/94	20	30			-2430	-0.084					
8/27/94	21	0			-2400	-0.071					
8/27/94	21	30			-2370	-0.052					
8/27/94	22	0			-2340	-0.037					
8/27/94	22	30			-2310	-0.05					
8/27/94	23	0			-2280	-0.055					
8/27/94	23	30			-2250	-0.063					
8/28/94	0	0			-2220	-0.068					
8/28/94	0	30			-2190	-0.066					
8/28/94	1	0			-2160	-0.076					
8/28/94	1	30			-2130	-0.084					
8/28/94	2	0			-2100	-0.093					
8/28/94	2	30			-2070	-0.112					

					PRE-PUMPING DATA		PUMPING DATA		RECOVERY DATA		
Date	24 Hour Time		Discharge	Comments	Cumulative Time	Water Level Pre-Pumping	Cumulative Time	Water Level Pumping	Cumulative Time	Cumulative Time	Water Level Recovery
	(hour)	(minute)	(gpm)		(minutes)	(feet)	(minutes)	(feet)	t (minutes)	t' (minutes)	(feet)
8/28/94	3	0			-2040	-0.117					
8/28/94	3	30			-2010	-0.112					
8/28/94	4	0			-1980	-0.113					
8/28/94	4	30			-1950	-0.11					
8/28/94	5	0			-1920	-0.108					
8/28/94	5	30			-1890	-0.104					
8/28/94	6	0			-1860	-0.106					
8/28/94	6	30			-1830	-0.105					
8/28/94	7	0			-1800	-0.094					
8/28/94	7	30			-1770	-0.097					
8/28/94	8	0			-1740	-0.098					
8/28/94	8	30			-1710	-0.097					
8/28/94	9	0			-1680	-0.099					
8/28/94	9	30			-1650	-0.094					
8/28/94	10	0			-1620	-0.096					
8/28/94	10	30			-1590	-0.105					
8/28/94	11	0			-1560	-0.105					
8/28/94	11	30			-1530	-0.108					
8/28/94	12	0			-1500	-0.116					
8/28/94	12	30			-1470	-0.128					
8/28/94	13	0			-1440	-0.141					
8/28/94	13	30			-1410	-0.156					
8/28/94	14	0			-1380	-0.173					
8/28/94	14	30			-1350	-0.183					
8/28/94	15	0			-1320	-0.194					
8/28/94	15	30			-1290	-0.209					
8/28/94	16	0			-1260	-0.225					
8/28/94	16	30			-1230	-0.24					
8/28/94	17	0			-1200	-0.249					
8/28/94	17	30			-1170	-0.25					
8/28/94	18	0			-1140	-0.256					
8/28/94	18	30			-1110	-0.259					
8/28/94	19	0			-1080	-0.255					
8/28/94	19	30			-1050	-0.255					
8/28/94	20	0			-1020	-0.249					
8/28/94	20	30			-990	-0.248					
8/28/94	21	0			-960	-0.24					
8/28/94	21	30			-930	-0.234					
8/28/94	22	0			-900	-0.238					
8/28/94	22	30			-870	-0.246					
8/28/94	23	0			-840	-0.251					
8/28/94	23	30			-810	-0.265					
8/29/94	0	0			-780	-0.29					
8/29/94	0	30			-750	-0.286					
8/29/94	1	0			-720	-0.282					
8/29/94	1	30			-690	-0.284					
8/29/94	2	0			-660	-0.282					
8/29/94	2	30			-630	-0.292					
8/29/94	3	0			-600	-0.295					
8/29/94	3	30			-570	-0.309					
8/29/94	4	0			-540	-0.308					
8/29/94	4	30			-510	-0.312					
8/29/94	5	0			-480	-0.311					
8/29/94	5	30			-450	-0.311					
8/29/94	6	0			-420	-0.317					
8/29/94	6	30			-390	-0.311					
8/29/94	7	0			-360	-0.307					
8/29/94	7	30			-330	-0.297					
8/29/94	8	0			-300	-0.299					
8/29/94	8	30			-270	-0.3					
8/29/94	9	0			-240	-0.305					
8/29/94	9	30			-210	-0.302					
8/29/94	10	0			-180	-0.306					
8/29/94	10	30			-150	-0.301					
8/29/94	11	0			-120	-0.299					
8/29/94	11	30			-90	-0.298					
8/29/94	12	0			-60	-0.285					
8/29/94	12	30			-30	-0.256					
8/29/94	13	0					0	-0.249			
8/29/94	13	30					30	-0.242			
8/29/94	14	0					60	-0.23			
8/29/94	14	30					90	-0.231			
8/29/94	15	0					120	-0.241			
8/29/94	15	30					150	-0.242			
8/29/94	16	0					180	-0.243			
8/29/94	16	30					210	-0.239			
8/29/94	17	0					240	-0.233			
8/29/94	17	30					270	-0.23			
8/29/94	18	0					300	-0.225			
8/29/94	18	30					330	-0.221			
8/29/94	19	0					360	-0.213			
8/29/94	19	30					390	-0.21			
8/29/94	20	0					420	-0.199			
8/29/94	20	30					450	-0.192			

					PRE-PUMPING DATA		PUMPING DATA		RECOVERY DATA		
Date	24 Hour Time		Discharge	Comments	Cumulative Time	Water Level Pre-Pumping	Cumulative Time	Water Level Pumping	Cumulative Time	Cumulative Time	Water Level Recovery
	(hour)	(minute)	(gpm)		(minutes)	(feet)	(minutes)	(feet)	t (minutes)	t' (minutes)	(feet)
8/29/94	21	0					480	-0.161			
8/29/94	21	30					510	-0.144			
8/29/94	22	0					540	-0.131			
8/29/94	22	30					570	-0.126			
8/29/94	23	0					600	-0.116			
8/29/94	23	30					630	-0.098			
8/30/94	0	0					660	-0.091			
8/30/94	0	30					690	-0.088			
8/30/94	1	0					720	-0.089			
8/30/94	1	30					750	-0.09			
8/30/94	2	0					780	-0.09			
8/30/94	2	30					810	-0.086			
8/30/94	3	0					840	-0.084			
8/30/94	3	30					870	-0.081			
8/30/94	4	0					900	-0.077			
8/30/94	4	30					930	-0.066			
8/30/94	5	0					960	-0.058			
8/30/94	5	30					990	-0.053			
8/30/94	6	0					1020	-0.039			
8/30/94	6	30					1050	-0.025			
8/30/94	7	0					1080	-0.009			
8/30/94	7	30					1110	0.004			
8/30/94	8	0					1140	0.011			
8/30/94	8	30					1170	0.015			
8/30/94	9	0					1200	0.014			
8/30/94	9	30					1230	0.02			
8/30/94	10	0					1260	0.026			
8/30/94	10	30					1290	0.036			
8/30/94	11	0					1320	0.028			
8/30/94	11	30					1350	0.034			
8/30/94	12	0					1380	0.022			
8/30/94	12	30					1410	0.018			
8/30/94	13	0					1440	0.009			
8/30/94	13	30					1470	0.006			
8/30/94	14	0					1500	0.003			
8/30/94	14	30					1530	-0.003			
8/30/94	15	0					1560	-0.011			
8/30/94	15	30					1590	-0.019			
8/30/94	16	0					1620	-0.024			
8/30/94	16	30					1650	-0.024			
8/30/94	17	0					1680	-0.028			
8/30/94	17	30					1710	-0.026			
8/30/94	18	0					1740	-0.024			
8/30/94	18	30					1770	-0.027			
8/30/94	19	0					1800	-0.025			
8/30/94	19	30					1830	-0.021			
8/30/94	20	0					1860	-0.016			
8/30/94	20	30					1890	-0.014			
8/30/94	21	0					1920	-0.006			
8/30/94	21	30					1950	-0.002			
8/30/94	22	0					1980	-0.002			
8/30/94	22	30					2010	-0.002			
8/30/94	23	0					2040	0			
8/30/94	23	30					2070	-0.006			
8/31/94	0	0					2100	-0.006			
8/31/94	0	30					2130	-0.014			
8/31/94	1	0					2160	-0.018			
8/31/94	1	30					2190	-0.028			
8/31/94	2	0					2220	-0.038			
8/31/94	2	30					2250	-0.039			
8/31/94	3	0					2280	-0.045			
8/31/94	3	30					2310	-0.054			
8/31/94	4	0					2340	-0.07			
8/31/94	4	30					2370	-0.083			
8/31/94	5	0					2400	-0.088			
8/31/94	5	30					2430	-0.086			
8/31/94	6	0					2460	-0.089			
8/31/94	6	30					2490	-0.083			
8/31/94	7	0					2520	-0.08			
8/31/94	7	30					2550	-0.078			
8/31/94	8	0					2580	-0.077			
8/31/94	8	30					2610	-0.083			
8/31/94	9	0					2640	-0.096			
8/31/94	9	30					2670	-0.098			
8/31/94	10	0					2700	-0.1			
8/31/94	10	30					2730	-0.095			
8/31/94	11	0					2760	-0.103			
8/31/94	11	30					2790	-0.096			
8/31/94	12	0					2820	-0.105			
8/31/94	12	30					2850	-0.115			
8/31/94	13	0					2880	-0.126			
8/31/94	13	30					2910	-0.132			
8/31/94	14	0					2940	-0.131			
8/31/94	14	30					2970	-0.143			

					PRE-PUMPING DATA		PUMPING DATA		RECOVERY DATA		
Date	24 Hour Time		Discharge	Comments	Cumulative Time	Water Level Pre-Pumping	Cumulative Time	Water Level Pumping	Cumulative Time	Cumulative Time	Water Level Recovery
	(hour)	(minute)	(gpm)		(minutes)	(feet)	(minutes)	(feet)	t (minutes)	t' (minutes)	(feet)
8/31/94	15	0					3000	-0.163			
8/31/94	15	30					3030	-0.174			
8/31/94	16	0					3060	-0.186			
8/31/94	16	30					3090	-0.199			
8/31/94	17	0					3120	-0.207			
8/31/94	17	30					3150	-0.208			
8/31/94	18	0					3180	-0.214			
8/31/94	18	30					3210	-0.208			
8/31/94	19	0					3240	-0.193			
8/31/94	19	30					3270	-0.191			
8/31/94	20	0					3300	-0.169			
8/31/94	20	30					3330	-0.183			
8/31/94	21	0					3360	-0.175			
8/31/94	21	30					3390	-0.168			
8/31/94	22	0					3420	-0.174			
8/31/94	22	30					3450	-0.177			
8/31/94	23	0					3480	-0.193			
8/31/94	23	30					3510	-0.199			
9/1/94	0	0					3540	-0.196			
9/1/94	0	30					3570	-0.195			
9/1/94	1	0					3600	-0.198			
9/1/94	1	30					3630	-0.203			
9/1/94	2	0					3660	-0.198			
9/1/94	2	30					3690	-0.2			
9/1/94	3	0					3720	-0.194			
9/1/94	3	30					3750	-0.192			
9/1/94	4	0					3780	-0.189			
9/1/94	4	30					3810	-0.176			
9/1/94	5	0					3840	-0.172			
9/1/94	5	30					3870	-0.152			
9/1/94	6	0					3900	-0.13			
9/1/94	6	30					3930	-0.111			
9/1/94	7	0					3960	-0.085			
9/1/94	7	30					3990	-0.075			
9/1/94	8	0					4020	-0.06			
9/1/94	8	30					4050	-0.046			
9/1/94	9	0					4080	-0.043			
9/1/94	9	30					4110	-0.028			
9/1/94	10	0					4140	-0.016			
9/1/94	10	30					4170	-0.013			
9/1/94	11	0					4200	-0.005			
9/1/94	11	30					4230	-0.001			
9/1/94	12	0					4260	-0.003			
9/1/94	12	30					4290	0			
9/1/94	13	0					4320	0.001			
9/1/94	13	30					4350	0.007			
9/1/94	14	0					4380	0			
9/1/94	14	30					4410	-0.002			
9/1/94	15	0					4440	-0.013			
9/1/94	15	30					4470	-0.019			
9/1/94	16	0					4500	-0.021			
9/1/94	16	30					4530	-0.022			
9/1/94	17	0					4560	-0.012			
9/1/94	17	30					4590	-0.013			
9/1/94	18	0					4620	-0.005			
9/1/94	18	30					4650	-0.011			
9/1/94	19	0					4680	-0.004			
9/1/94	19	30					4710	-0.003			
9/1/94	20	0					4740	0.007			
9/1/94	20	30					4770	0.018			
9/1/94	21	0					4800	0.029			
9/1/94	21	30					4830	0.034			
9/1/94	22	0					4860	0.047			
9/1/94	22	30					4890	0.067			
9/1/94	23	0					4920	0.061			
9/1/94	23	30					4950	0.059			
9/2/94	0	0					4980	0.067			
9/2/94	0	30					5010	0.081			
9/2/94	1	0					5040	0.078			
9/2/94	1	30					5070	0.088			
9/2/94	2	0					5100	0.094			
9/2/94	2	30					5130	0.095			
9/2/94	3	0					5160	0.095			
9/2/94	3	30					5190	0.094			
9/2/94	4	0					5220	0.091			
9/2/94	4	30					5250	0.096			
9/2/94	5	0					5280	0.106			
9/2/94	5	30					5310	0.12			
9/2/94	6	0					5340	0.129			
9/2/94	6	30					5370	0.14			
9/2/94	7	0					5400	0.152			
9/2/94	7	30					5430	0.16			
9/2/94	8	0					5460	0.163			
9/2/94	8	30					5490	0.166			

Date	24 Hour Time		Discharge	Comments	PRE-PUMPING DATA		PUMPING DATA		RECOVERY DATA		
	(hour)	(minute)	(gpm)		Cumulative Time (minutes)	Water Level Pre-Pumping (feet)	Cumulative Time (minutes)	Water Level Pumping (feet)	Cumulative Time t (minutes)	Cumulative Time t' (minutes)	Water Level Recovery (feet)
9/2/94	9	0					5520	0.168			
9/2/94	9	30					5550	0.173			
9/2/94	10	0					5580	0.178			
9/2/94	10	30					5610	0.183			
9/2/94	11	0					5640	0.173			
9/2/94	11	30					5670	0.173			
9/2/94	12	0					5700	0.173			
9/2/94	12	30							5730	30	0.173
9/2/94	13	0							5760	60	0.164
9/2/94	13	30							5790	90	0.160
9/2/94	14	0							5820	120	0.161
9/2/94	14	30							5850	150	0.161
9/2/94	15	0							5880	180	0.148
9/2/94	15	30							5910	210	0.145
9/2/94	16	0							5940	240	0.139
9/2/94	16	30							5970	270	0.133
9/2/94	17	0							6000	300	0.135
9/2/94	17	30							6030	330	0.125
9/2/94	18	0							6060	360	0.124
9/2/94	18	30							6090	390	0.126
9/2/94	19	0							6120	420	0.128
9/2/94	19	30							6150	450	0.138
9/2/94	20	0							6180	480	0.149
9/2/94	20	30							6210	510	0.164
9/2/94	21	0							6240	540	0.178
9/2/94	21	30							6270	570	0.185
9/2/94	22	0							6300	600	0.184
9/2/94	22	30							6330	630	0.198
9/2/94	23	0							6360	660	0.203
9/2/94	23	30							6390	690	0.206
9/3/94	0	0							6420	720	0.205
9/3/94	0	30							6450	750	0.208
9/3/94	1	0							6480	780	0.207
9/3/94	1	30							6510	810	0.207
9/3/94	2	0							6540	840	0.198
9/3/94	2	30							6570	870	0.194
9/3/94	3	0							6600	900	0.201
9/3/94	3	30							6630	930	0.206
9/3/94	4	0							6660	960	0.204
9/3/94	4	30							6690	990	0.201
9/3/94	5	0							6720	1020	0.200
9/3/94	5	30							6750	1050	0.200
9/3/94	6	0							6780	1080	0.200
9/3/94	6	30							6810	1110	0.203
9/3/94	7	0							6840	1140	0.214
9/3/94	7	30							6870	1170	0.220
9/3/94	8	0							6900	1200	0.228
9/3/94	8	30							6930	1230	0.228
9/3/94	9	0							6960	1260	0.233
9/3/94	9	30							6990	1290	0.237
9/3/94	10	0							7020	1320	0.240
9/3/94	10	30							7050	1350	0.241
9/3/94	11	0							7080	1380	0.240
9/3/94	11	30							7110	1410	0.240
9/3/94	12	0							7140	1440	0.240
9/3/94	12	30							7170	1470	0.231
9/3/94	13	0							7200	1500	0.227
9/3/94	13	30							7230	1530	0.217
9/3/94	14	0							7260	1560	0.216
9/3/94	14	30							7290	1590	0.206
9/3/94	15	0							7320	1620	0.196
9/3/94	15	30							7350	1650	0.187
9/3/94	16	0							7380	1680	0.180
9/3/94	16	30							7410	1710	0.178
9/3/94	17	0							7440	1740	0.177
9/3/94	17	30							7470	1770	0.176
9/3/94	18	0							7500	1800	0.180
9/3/94	18	30							7530	1830	0.181
9/3/94	19	0							7560	1860	0.179
9/3/94	19	30							7590	1890	0.183
9/3/94	20	0							7620	1920	0.192
9/3/94	20	30							7650	1950	0.198
9/3/94	21	0							7680	1980	0.205
9/3/94	21	30							7710	2010	0.204
9/3/94	22	0							7740	2040	0.210
9/3/94	22	30							7770	2070	0.209
9/3/94	23	0							7800	2100	0.209
9/3/94	23	30							7830	2130	0.212
9/4/94	0	0							7860	2160	0.213
9/4/94	0	30							7890	2190	0.211
9/4/94	1	0							7920	2220	0.214
9/4/94	1	30							7950	2250	0.212
9/4/94	2	0							7980	2280	0.201
9/4/94	2	30							8010	2310	0.193

					PRE-PUMPING DATA		PUMPING DATA		RECOVERY DATA		
Date	24 Hour Time		Discharge	Comments	Cumulative Time	Water Level Pre-Pumping	Cumulative Time	Water Level Pumping	Cumulative Time	Cumulative Time	Water Level Recovery
	(hour)	(minute)	(gpm)		(minutes)	(feet)	(minutes)	(feet)	t (minutes)	t' (minutes)	(feet)
9/4/94	3	0							8040	2340	0.185
9/4/94	3	30							8070	2370	0.185
9/4/94	4	0							8100	2400	0.185
9/4/94	4	30							8130	2430	0.177
9/4/94	5	0							8160	2460	0.169
9/4/94	5	30							8190	2490	0.169
9/4/94	6	0							8220	2520	0.184
9/4/94	6	30							8250	2550	0.198
9/4/94	7	0							8280	2580	0.210
9/4/94	7	30							8310	2610	0.224
9/4/94	8	0							8340	2640	0.234
9/4/94	8	30							8370	2670	0.234
9/4/94	9	0							8400	2700	0.225
9/4/94	9	30							8430	2730	0.230
9/4/94	10	0							8460	2760	0.235
9/4/94	10	30							8490	2790	0.244
9/4/94	11	0							8520	2820	0.237
9/4/94	11	30							8550	2850	0.235
9/4/94	12	0							8580	2880	0.231
9/4/94	12	30							8610	2910	0.220
9/4/94	13	0							8640	2940	0.210
9/4/94	13	30							8670	2970	0.200
9/4/94	14	0							8700	3000	0.196
9/4/94	14	30							8730	3030	0.192
9/4/94	15	0							8760	3060	0.181
9/4/94	15	30							8790	3090	0.177
9/4/94	16	0							8820	3120	0.173
9/4/94	16	30							8850	3150	0.173
9/4/94	17	0							8880	3180	0.173
9/4/94	17	30							8910	3210	0.164
9/4/94	18	0							8940	3240	0.162
9/4/94	18	30							8970	3270	0.160
9/4/94	19	0							9000	3300	0.154
9/4/94	19	30							9030	3330	0.156
9/4/94	20	0							9060	3360	0.155
9/4/94	20	30							9090	3390	0.170
9/4/94	21	0							9120	3420	0.175
9/4/94	21	30							9150	3450	0.183
9/4/94	22	0							9180	3480	0.182
9/4/94	22	30							9210	3510	0.177
9/4/94	23	0							9240	3540	0.170
9/4/94	23	30							9270	3570	0.166
9/5/94	0	0							9300	3600	0.160
9/5/94	0	30							9330	3630	0.153
9/5/94	1	0							9360	3660	0.149
9/5/94	1	30							9390	3690	0.145
9/5/94	2	0							9420	3720	0.145
9/5/94	2	30							9450	3750	0.145
9/5/94	3	0							9480	3780	0.124
9/5/94	3	30							9510	3810	0.119
9/5/94	4	0							9540	3840	0.121
9/5/94	4	30							9570	3870	0.119
9/5/94	5	0							9600	3900	0.120
9/5/94	5	30							9630	3930	0.128
9/5/94	6	0							9660	3960	0.131
9/5/94	6	30							9690	3990	0.134
9/5/94	7	0							9720	4020	0.142
9/5/94	7	30							9750	4050	0.151
9/5/94	8	0							9780	4080	0.152
9/5/94	8	30							9810	4110	0.156
9/5/94	9	0							9840	4140	0.153
9/5/94	9	30							9870	4170	0.151
9/5/94	10	0							9900	4200	0.151
9/5/94	10	30							9930	4230	0.148
9/5/94	11	0							9960	4260	0.144
9/5/94	11	30							9990	4290	0.130
9/5/94	12	0							10020	4320	0.118
9/5/94	12	30							10050	4350	0.104
9/5/94	13	0							10080	4380	0.083
9/5/94	13	30							10110	4410	0.074
9/5/94	14	0							10140	4440	0.061
9/5/94	14	30							10170	4470	0.043
9/5/94	15	0							10200	4500	0.028
9/5/94	15	30							10230	4530	0.014
9/5/94	16	0							10260	4560	0.003
9/5/94	16	30							10290	4590	-0.005
9/5/94	17	0							10320	4620	-0.011
9/5/94	17	30							10350	4650	-0.016
9/5/94	18	0							10380	4680	-0.017
9/5/94	18	30							10410	4710	-0.021
9/5/94	19	0							10440	4740	-0.024
9/5/94	19	30							10470	4770	-0.027
9/5/94	20	0							10500	4800	-0.030
9/5/94	20	30							10530	4830	-0.033

					PRE-PUMPING DATA		PUMPING DATA		RECOVERY DATA		
Date	24 Hour Time		Discharge	Comments	Cumulative Time	Water Level Pre-Pumping	Cumulative Time	Water Level Pumping	Cumulative Time	Cumulative Time	Water Level Recovery
	(hour)	(minute)	(gpm)		(minutes)	(feet)	(minutes)	(feet)	(minutes)	(minutes)	(feet)
9/5/94	21	0							10560	4860	-0.036
9/5/94	21	30							10590	4890	-0.039
9/5/94	22	0							10620	4920	-0.042
9/5/94	22	30							10650	4950	-0.045
9/5/94	23	0							10680	4980	-0.048
9/5/94	23	30							10710	5010	-0.051
9/6/94	0	0							10740	5040	-0.054
9/6/94	0	30							10770	5070	-0.057
9/6/94	1	0							10800	5100	-0.060
9/6/94	1	30							10830	5130	-0.063
9/6/94	2	0							10860	5160	-0.066
9/6/94	2	30							10890	5190	-0.069
9/6/94	3	0							10920	5220	-0.072
9/6/94	3	30							10950	5250	-0.075
9/6/94	4	0							10980	5280	-0.078
9/6/94	4	30							11010	5310	-0.096
9/6/94	5	0							11040	5340	-0.094
9/6/94	5	30							11070	5370	-0.096
9/6/94	6	0							11100	5400	-0.095
9/6/94	6	30							11130	5430	-0.093
9/6/94	7	0							11160	5460	-0.091
9/6/94	7	30							11190	5490	-0.090
9/6/94	8	0							11220	5520	-0.086
9/6/94	8	30							11250	5550	-0.086
9/6/94	9	0							11280	5580	-0.087
9/6/94	9	30							11310	5610	-0.082
9/6/94	10	0							11340	5640	-0.076
9/6/94	10	30							11370	5670	-0.081
9/6/94	11	0							11400	5700	-0.078
9/6/94	11	30							11430	5730	-0.077
9/6/94	12	0							11460	5760	-0.084
9/6/94	12	30							11490	5790	-0.094
9/6/94	13	0							11520	5820	-0.103
9/6/94	13	30							11550	5850	-0.110
9/6/94	14	0							11580	5880	-0.117
9/6/94	14	30							11610	5910	-0.118
9/6/94	15	0							11640	5940	-0.123
9/6/94	15	30							11670	5970	-0.138
9/6/94	16	0							11700	6000	-0.151
9/6/94	16	30							11730	6030	-0.157
9/6/94	17	0							11760	6060	-0.165
9/6/94	17	30							11790	6090	-0.167
9/6/94	18	0							11820	6120	-0.169
9/6/94	18	30							11850	6150	-0.167
9/6/94	19	0							11880	6180	-0.165
9/6/94	19	30							11910	6210	-0.158
9/6/94	20	0							11940	6240	-0.151
9/6/94	20	30							11970	6270	-0.140
9/6/94	21	0							12000	6300	-0.130
9/6/94	21	30							12030	6330	-0.123
9/6/94	22	0							12060	6360	-0.120
9/6/94	22	30							12090	6390	-0.113
9/6/94	23	0							12120	6420	-0.113
9/6/94	23	30							12150	6450	-0.112
9/7/94	0	0							12180	6480	-0.110
9/7/94	0	30							12210	6510	-0.111
9/7/94	1	0							12240	6540	-0.105
9/7/94	1	30							12270	6570	-0.098
9/7/94	2	0							12300	6600	-0.104
9/7/94	2	30							12330	6630	-0.108
9/7/94	3	0							12360	6660	-0.115
9/7/94	3	30							12390	6690	-0.120
9/7/94	4	0							12420	6720	-0.115
9/7/94	4	30							12450	6750	-0.112
9/7/94	5	0							12480	6780	-0.111
9/7/94	5	30							12510	6810	-0.109
9/7/94	6	0							12540	6840	-0.102
9/7/94	6	30							12570	6870	-0.093
9/7/94	7	0							12600	6900	-0.080
9/7/94	7	30							12630	6930	-0.073
9/7/94	8	0							12660	6960	-0.069
9/7/94	8	30							12690	6990	-0.066
9/7/94	9	0							12720	7020	-0.066
9/7/94	9	30							12750	7050	-0.065
9/7/94	10	0							12780	7080	-0.064
9/7/94	10	30							12810	7110	-0.058
9/7/94	11	0							12840	7140	-0.055
9/7/94	11	30							12870	7170	-0.053
9/7/94	12	0							12900	7200	-0.051
9/7/94	12	30							12930	7230	-0.058
9/7/94	13	0							12960	7260	-0.054
9/7/94	13	30							12990	7290	-0.059
9/7/94	14	0							13020	7320	-0.063
9/7/94	14	30							13050	7350	-0.066

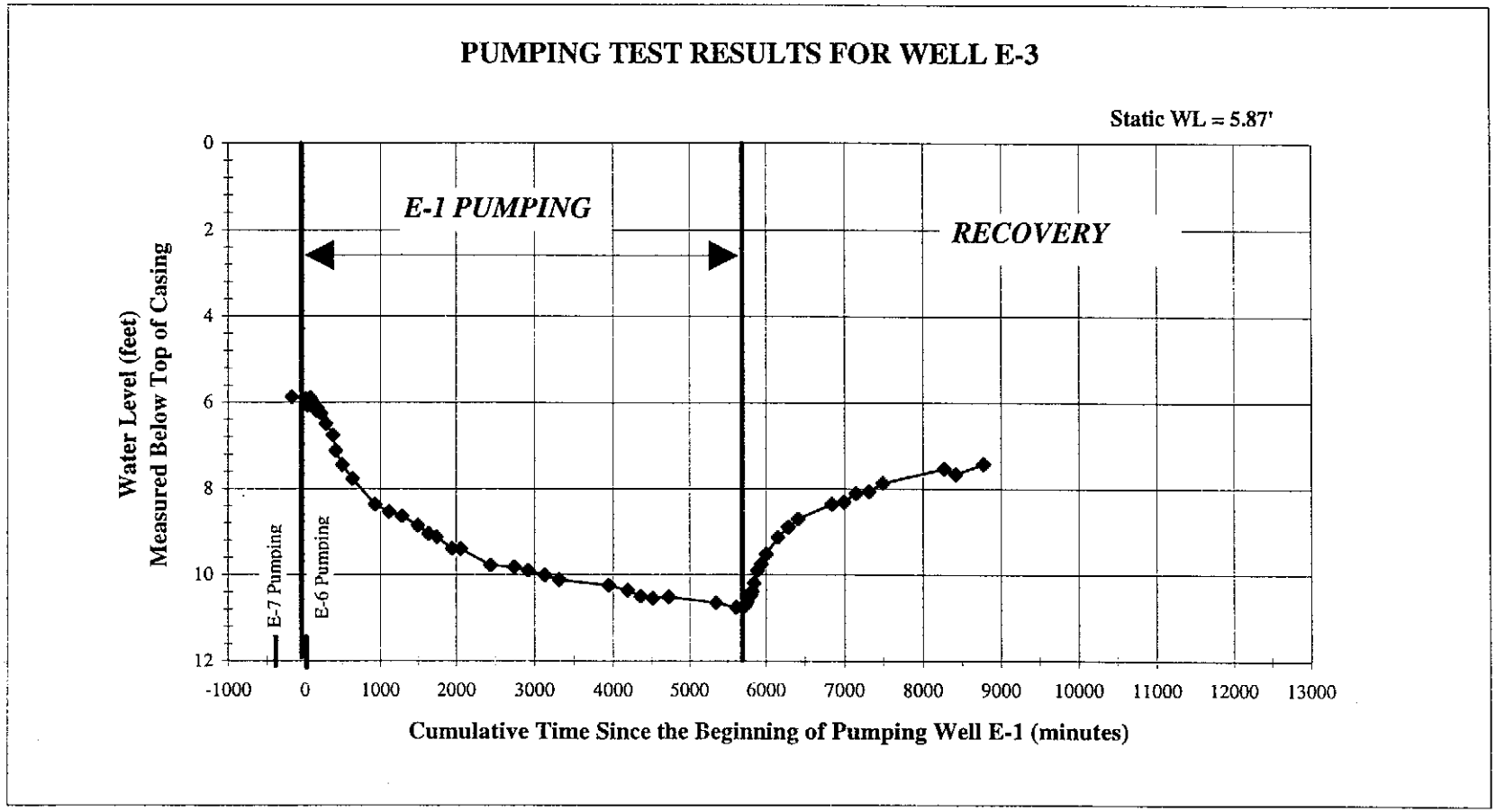
					PRE-PUMPING DATA		PUMPING DATA		RECOVERY DATA		
Date	24 Hour Time		Discharge	Comments	Cumulative Time	Water Level Pre-Pumping	Cumulative Time	Water Level Pumping	Cumulative Time	Cumulative Time	Water Level Recovery
	(hour)	(minute)	(gpm)		(minutes)	(feet)	(minutes)	(feet)	t (minutes)	t' (minutes)	(feet)
9/7/94	15	0							13080	7380	-0.069
9/7/94	15	30							13110	7410	-0.069
9/7/94	16	0							13140	7440	-0.074
9/7/94	16	30							13170	7470	-0.080
9/7/94	17	0							13200	7500	-0.070
9/7/94	17	30							13230	7530	-0.066
9/7/94	18	0							13260	7560	-0.061
9/7/94	18	30							13290	7590	-0.052
9/7/94	19	0							13320	7620	-0.046
9/7/94	19	30							13350	7650	-0.043
9/7/94	20	0							13380	7680	-0.041
9/7/94	20	30							13410	7710	-0.021
9/7/94	21	0							13440	7740	-0.005
9/7/94	21	30							13470	7770	0.009
9/7/94	22	0							13500	7800	0.020
9/7/94	22	30							13530	7830	0.031
9/7/94	23	0							13560	7860	0.033
9/7/94	23	30							13590	7890	0.035
9/8/94	0	0							13620	7920	0.037
9/8/94	0	30							13650	7950	0.039
9/8/94	1	0							13680	7980	0.041
9/8/94	1	30							13710	8010	0.043
9/8/94	2	0							13740	8040	0.056
9/8/94	2	30							13770	8070	0.049
9/8/94	3	0							13800	8100	0.053
9/8/94	3	30							13830	8130	0.054
9/8/94	4	0							13860	8160	0.062
9/8/94	4	30							13890	8190	0.056
9/8/94	5	0							13920	8220	0.061
9/8/94	5	30							13950	8250	0.061
9/8/94	6	0							13980	8280	0.055
9/8/94	6	30							14010	8310	0.058
9/8/94	7	0							14040	8340	0.068
9/8/94	7	30							14070	8370	0.088
9/8/94	8	0							14100	8400	0.092
9/8/94	8	30							14130	8430	0.091
9/8/94	9	0							14160	8460	0.088
9/8/94	9	30							14190	8490	0.094
9/8/94	10	0							14220	8520	0.097
9/8/94	10	30							14250	8550	0.105
9/8/94	11	0							14280	8580	0.109
9/8/94	11	30							14310	8610	0.109
9/8/94	12	0							14340	8640	0.095
9/8/94	12	30							14370	8670	0.089
9/8/94	13	0							14400	8700	0.074
9/8/94	13	30							14430	8730	0.068
9/8/94	14	0							14460	8760	0.051
9/8/94	14	30							14490	8790	0.050
9/8/94	15	0							14520	8820	0.043
9/8/94	15	30							14550	8850	0.035
9/8/94	16	0							14580	8880	0.029
9/8/94	16	30							14610	8910	0.020
9/8/94	17	0							14640	8940	0.015
9/8/94	17	30							14670	8970	0.010
9/8/94	18	0							14700	9000	0.010
9/8/94	18	30							14730	9030	0.010
9/8/94	19	0							14760	9060	0.010
9/8/94	19	30							14790	9090	0.009
9/8/94	20	0							14820	9120	0.005
9/8/94	20	30							14850	9150	0.014
9/8/94	21	0							14880	9180	0.019
9/8/94	21	30							14910	9210	0.028
9/8/94	22	0							14940	9240	0.033
9/8/94	22	30							14970	9270	0.027
9/8/94	23	0							15000	9300	0.033
9/8/94	23	30							15030	9330	0.038
9/9/94	0	0							15060	9360	0.037
9/9/94	0	30							15090	9390	0.031
9/9/94	1	0							15120	9420	0.027
9/9/94	1	30							15150	9450	0.019
9/9/94	2	0							15180	9480	0.015
9/9/94	2	30							15210	9510	0.012
9/9/94	3	0							15240	9540	0.009
9/9/94	3	30							15270	9570	0.007
9/9/94	4	0							15300	9600	0.002
9/9/94	4	30							15330	9630	-0.002
9/9/94	5	0							15360	9660	0.000
9/9/94	5	30							15390	9690	-0.002
9/9/94	6	0							15420	9720	0.001
9/9/94	6	30							15450	9750	0.003
9/9/94	7	0							15480	9780	0.010
9/9/94	7	30							15510	9810	0.016
9/9/94	8	0							15540	9840	0.024
9/9/94	8	30							15570	9870	0.027

					PRE-PUMPING DATA		PUMPING DATA		RECOVERY DATA		
Date	24 Hour Time		Discharge	Comments	Cumulative Time	Water Level Pre-Pumping	Cumulative Time	Water Level Pumping	Cumulative Time	Cumulative Time	Water Level Recovery
	(hour)	(minute)	(gpm)		(minutes)	(feet)	(minutes)	(feet)	t (minutes)	t' (minutes)	(feet)
9/9/94	9	0							15600	9900	0.032
9/9/94	9	30							15630	9930	0.034
9/9/94	10	0							15660	9960	0.039
9/9/94	10	30							15690	9990	0.037
9/9/94	11	0							15720	10020	0.035
9/9/94	11	30							15750	10050	0.028
9/9/94	12	0							15780	10080	0.026
9/9/94	12	30							15810	10110	0.018
9/9/94	13	0							15840	10140	0.012
9/9/94	13	30							15870	10170	0.003
9/9/94	14	0							15900	10200	-0.002
9/9/94	14	30							15930	10230	-0.013
9/9/94	15	0							15960	10260	-0.027
9/9/94	15	30							15990	10290	-0.041
9/9/94	16	0							16020	10320	-0.047
9/9/94	16	30							16050	10350	-0.050
9/9/94	17	0							16080	10380	-0.060
9/9/94	17	30							16110	10410	-0.055
9/9/94	18	0							16140	10440	-0.052
9/9/94	18	30							16170	10470	-0.056
9/9/94	19	0							16200	10500	-0.063
9/9/94	19	30							16230	10530	-0.061
9/9/94	20	0							16260	10560	-0.051
9/9/94	20	30							16290	10590	-0.041
9/9/94	21	0							16320	10620	-0.030
9/9/94	21	30							16350	10650	-0.020
9/9/94	22	0							16380	10680	-0.014
9/9/94	22	30							16410	10710	-0.008
9/9/94	23	0							16440	10740	-0.005
9/9/94	23	30							16470	10770	-0.002
9/10/94	0	0							16500	10800	0.004
9/10/94	0	30							16530	10830	0.007
9/10/94	1	0							16560	10860	0.009
9/10/94	1	30							16590	10890	0.011
9/10/94	2	0							16620	10920	0.013
9/10/94	2	30							16650	10950	0.014
9/10/94	3	0							16680	10980	0.022
9/10/94	3	30							16710	11010	0.023
9/10/94	4	0							16740	11040	0.028
9/10/94	4	30							16770	11070	0.028
9/10/94	5	0							16800	11100	0.038
9/10/94	5	30							16830	11130	0.042
9/10/94	6	0							16860	11160	0.051
9/10/94	6	30							16890	11190	0.053
9/10/94	7	0							16920	11220	0.066
9/10/94	7	30							16950	11250	0.071
9/10/94	8	0							16980	11280	0.067
9/10/94	8	30							17010	11310	0.068
9/10/94	9	0							17040	11340	0.066
9/10/94	9	30							17070	11370	0.073
9/10/94	10	0							17100	11400	0.089
9/10/94	10	30							17130	11430	0.101
9/10/94	11	0							17160	11460	0.104
9/10/94	11	30							17190	11490	0.098
9/10/94	12	0							17220	11520	0.098
9/10/94	12	30							17250	11550	0.091
9/10/94	13	0							17280	11580	0.093
9/10/94	13	30							17310	11610	0.077
9/10/94	14	0							17340	11640	0.072
9/10/94	14	30							17370	11670	0.053
9/10/94	15	0							17400	11700	0.039
9/10/94	15	30							17430	11730	0.036
9/10/94	16	0							17460	11760	0.034
9/10/94	16	30							17490	11790	0.019
9/10/94	17	0							17520	11820	0.019
9/10/94	17	30							17550	11850	0.024
9/10/94	18	0							17580	11880	0.020
9/10/94	18	30							17610	11910	0.022
9/10/94	19	0							17640	11940	0.022
9/10/94	19	30							17670	11970	0.040
9/10/94	20	0							17700	12000	0.051
9/10/94	20	30							17730	12030	0.057
9/10/94	21	0							17760	12060	0.067
9/10/94	21	30							17790	12090	0.073
9/10/94	22	0							17820	12120	0.075
9/10/94	22	30							17850	12150	0.081
9/10/94	23	0							17880	12180	0.093
9/10/94	23	30							17910	12210	0.099
9/11/94	0	0							17940	12240	0.104
9/11/94	0	30							17970	12270	0.105
9/11/94	1	0							18000	12300	0.112
9/11/94	1	30							18030	12330	0.114
9/11/94	2	0							18060	12360	0.113
9/11/94	2	30							18090	12390	0.108

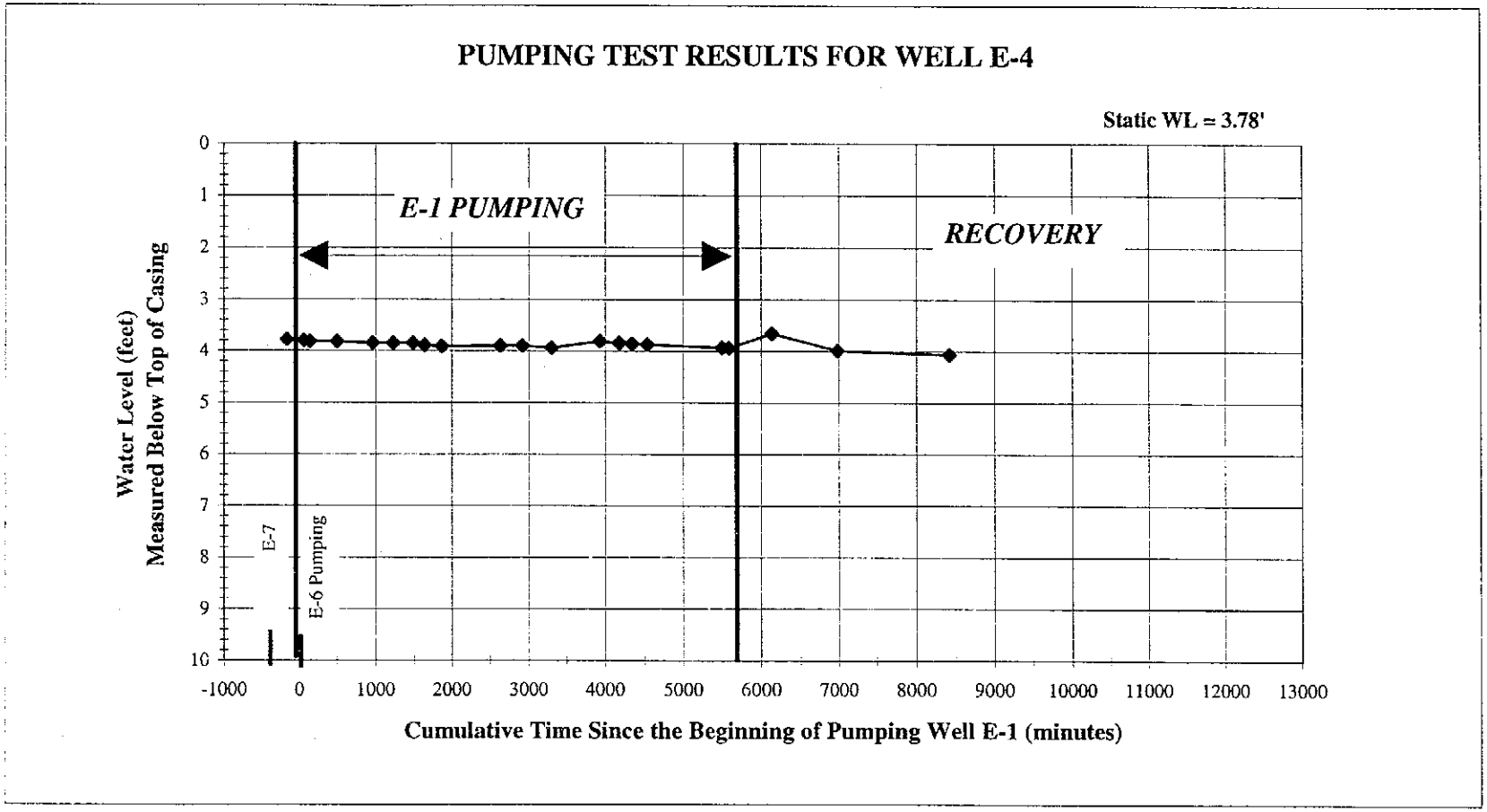
					PRE-PUMPING DATA		PUMPING DATA		RECOVERY DATA		
Date	24 Hour Time		Discharge	Comments	Cumulative Time	Water Level Pre-Pumping	Cumulative Time	Water Level Pumping	Cumulative Time	Cumulative Time	Water Level Recovery
	(hour)	(minute)	(gpm)		(minutes)	(feet)	(minutes)	(feet)	t (minutes)	t' (minutes)	(feet)
9/11/94	3	0							18120	12420	0.115
9/11/94	3	30							18150	12450	0.116
9/11/94	4	0							18180	12480	0.124
9/11/94	4	30							18210	12510	0.127
9/11/94	5	0							18240	12540	0.128
9/11/94	5	30							18270	12570	0.136
9/11/94	6	0							18300	12600	0.147
9/11/94	6	30							18330	12630	0.151
9/11/94	7	0							18360	12660	0.165
9/11/94	7	30							18390	12690	0.173
9/11/94	8	0							18420	12720	0.181
9/11/94	8	30							18450	12750	0.185
9/11/94	9	0							18480	12780	0.186
9/11/94	9	30							18510	12810	0.194
9/11/94	10	0							18540	12840	0.194
9/11/94	10	30							18570	12870	0.195
9/11/94	11	0							18600	12900	0.193
9/11/94	11	30							18630	12930	0.180
9/11/94	12	0							18660	12960	0.174
9/11/94	12	30							18690	12990	0.164
9/11/94	13	0							18720	13020	0.159
9/11/94	13	30							18750	13050	0.154
9/11/94	14	0							18780	13080	0.144
9/11/94	14	30							18810	13110	0.134
9/11/94	15	0							18840	13140	0.126
9/11/94	15	30							18870	13170	0.123
9/11/94	16	0							18900	13200	0.117
9/11/94	16	30							18930	13230	0.113
9/11/94	17	0							18960	13260	0.107
9/11/94	17	30							18990	13290	0.108
9/11/94	18	0							19020	13320	0.109
9/11/94	18	30							19050	13350	0.115
9/11/94	19	0							19080	13380	0.109
9/11/94	19	30							19110	13410	0.111
9/11/94	20	0							19140	13440	0.120
9/11/94	20	30							19170	13470	0.127
9/11/94	21	0							19200	13500	0.133
9/11/94	21	30							19230	13530	0.145
9/11/94	22	0							19260	13560	0.150
9/11/94	22	30							19290	13590	0.160
9/11/94	23	0							19320	13620	0.166
9/11/94	23	30							19350	13650	0.175
9/12/94	0	0							19380	13680	0.178
9/12/94	0	30							19410	13710	0.179
9/12/94	1	0							19440	13740	0.174
9/12/94	1	30							19470	13770	0.170
9/12/94	2	0							19500	13800	0.172
9/12/94	2	30							19530	13830	0.170
9/12/94	3	0							19560	13860	0.173
9/12/94	3	30							19590	13890	0.174
9/12/94	4	0							19620	13920	0.180
9/12/94	4	30							19650	13950	0.181
9/12/94	5	0							19680	13980	0.180
9/12/94	5	30							19710	14010	0.187
9/12/94	6	0							19740	14040	0.196
9/12/94	6	30							19770	14070	0.211
9/12/94	7	0							19800	14100	0.222
9/12/94	7	30							19830	14130	0.235
9/12/94	8	0							19860	14160	0.243
9/12/94	8	30							19890	14190	0.245
9/12/94	9	0							19920	14220	0.257
9/12/94	9	30							19950	14250	0.243
9/12/94	10	0							19980	14280	0.250
9/12/94	10	30							20010	14310	0.242
9/12/94	11	0							20040	14340	0.231
9/12/94	11	30							20070	14370	0.225
9/12/94	12	0							20100	14400	0.219
9/12/94	12	30							20130	14430	0.212
9/12/94	13	0							20160	14460	0.199

APPENDIX E

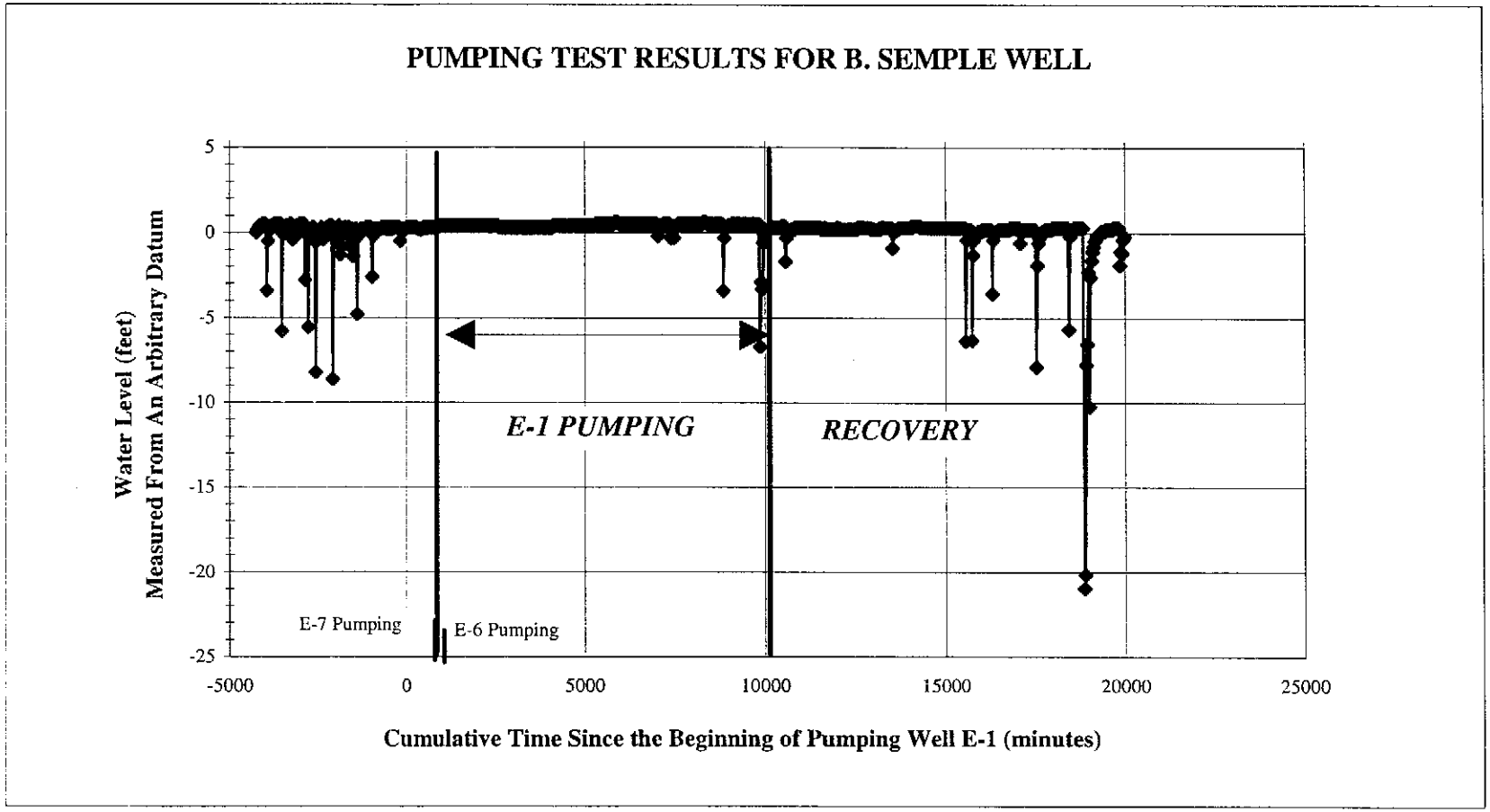
MONITORING WELL RESPONSE PLOTS
(see Plate 1)



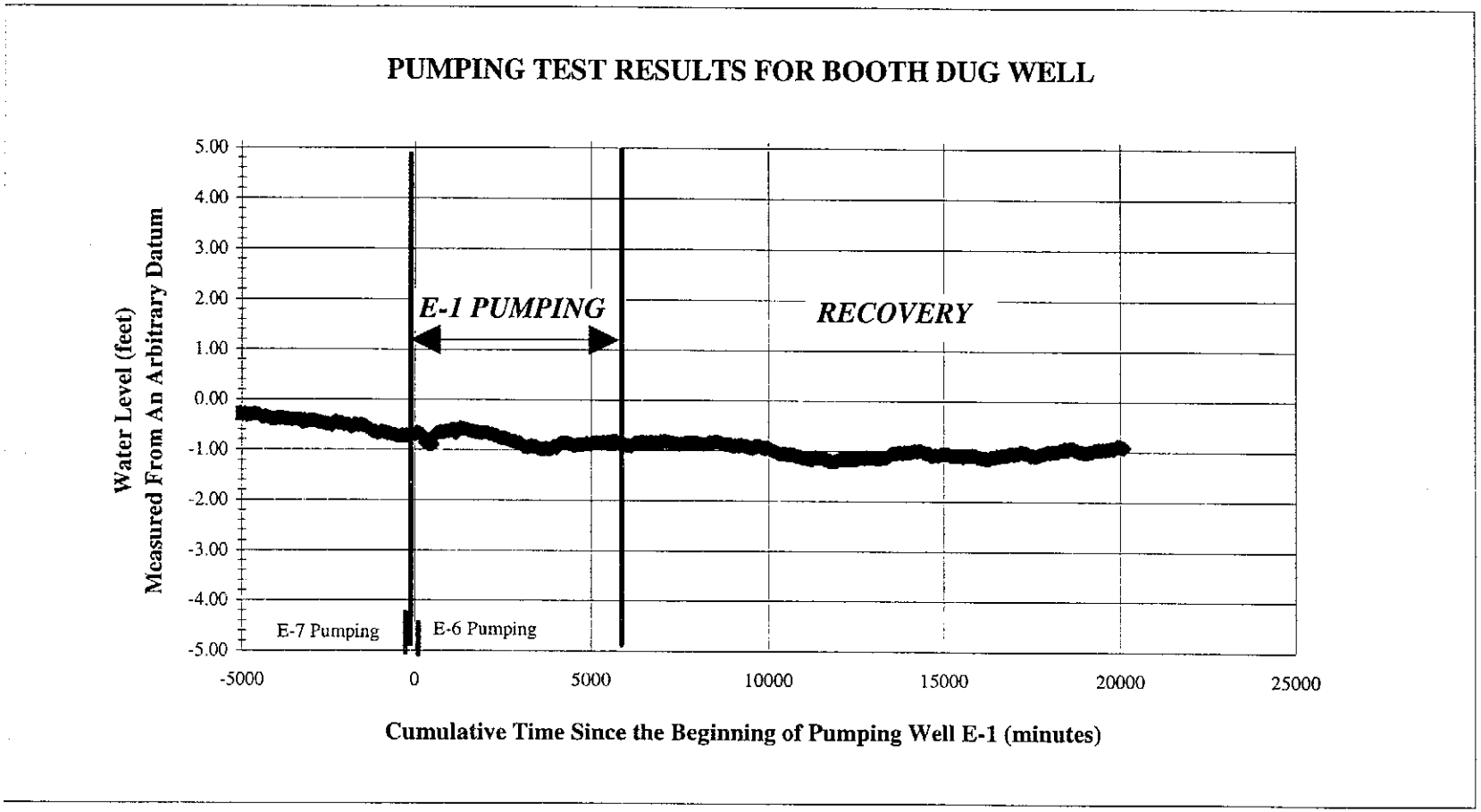
Arithmetic Plot of Time versus Water Level of Well E-3
Throughout the Monitoring Period August 29 to September 4, 1994, New Baltimore, Virginia



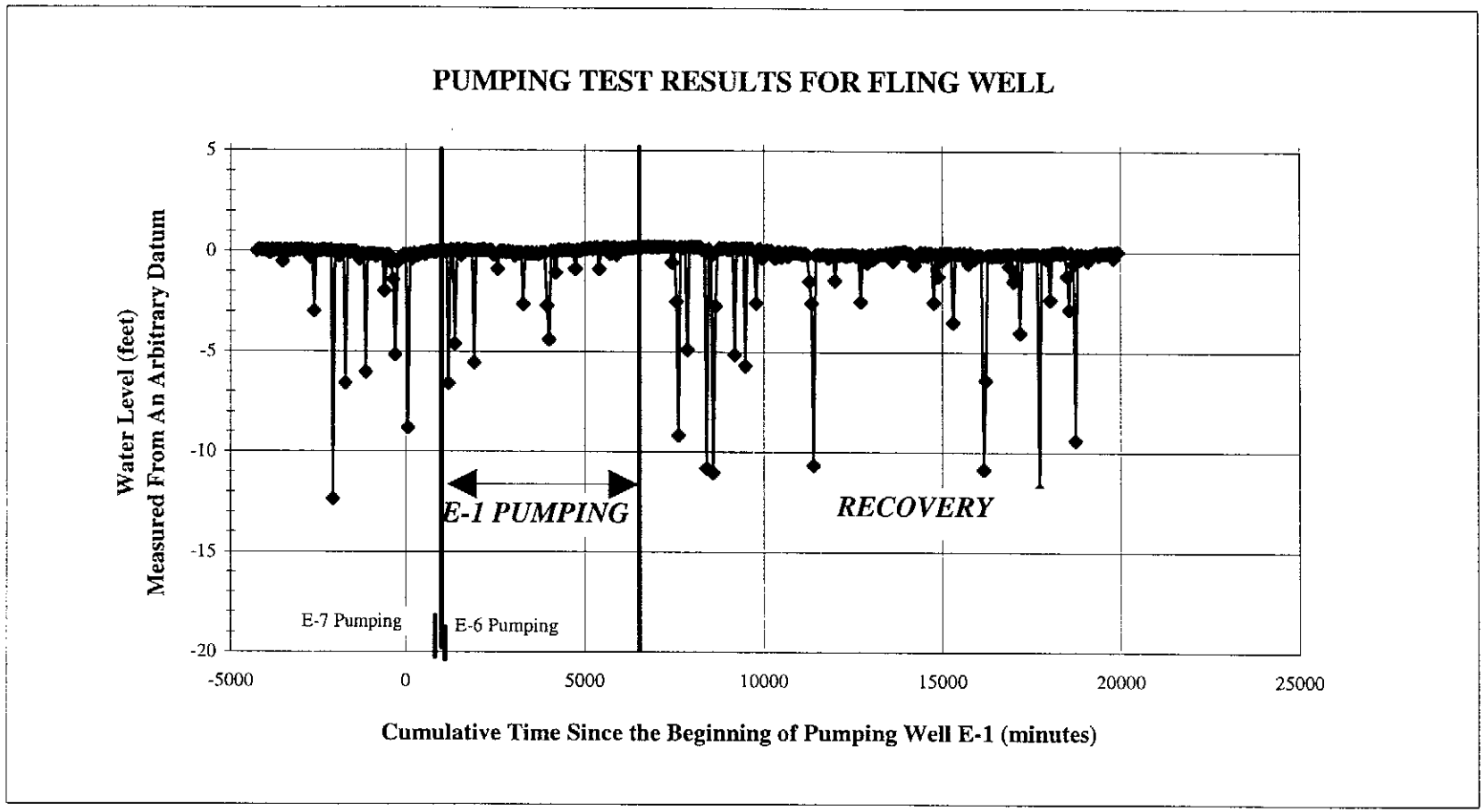
Arithmetic Plot of Time versus Water Level of Well E-4
Throughout the Monitoring Period August 29 to September 4, 1994, New Baltimore, Virginia



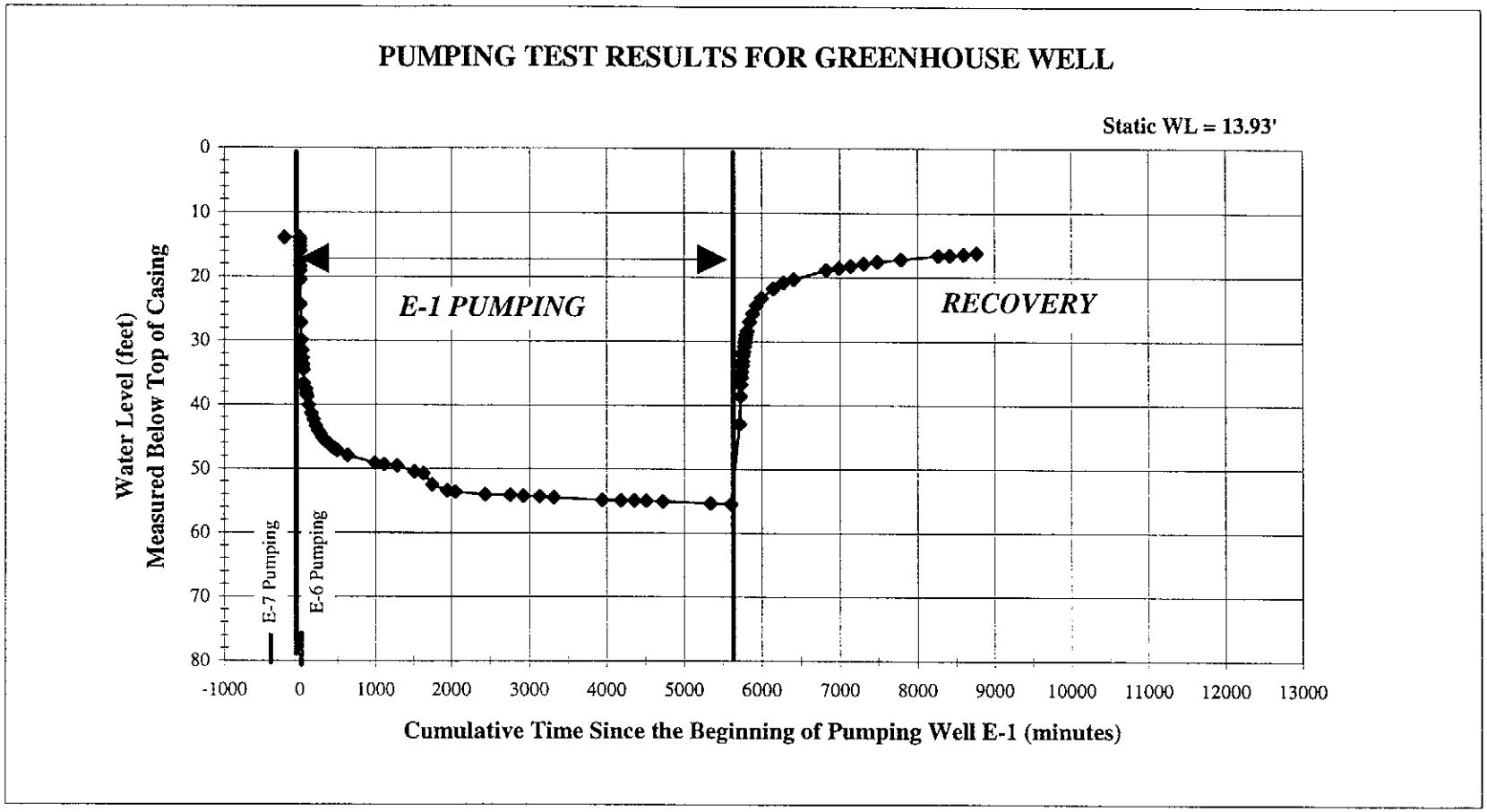
Arithmetic Plot of Time versus Water Level of B. Semple Well
Throughout the Monitoring Period August 29 to September 12, 1994, New Baltimore, Virginia



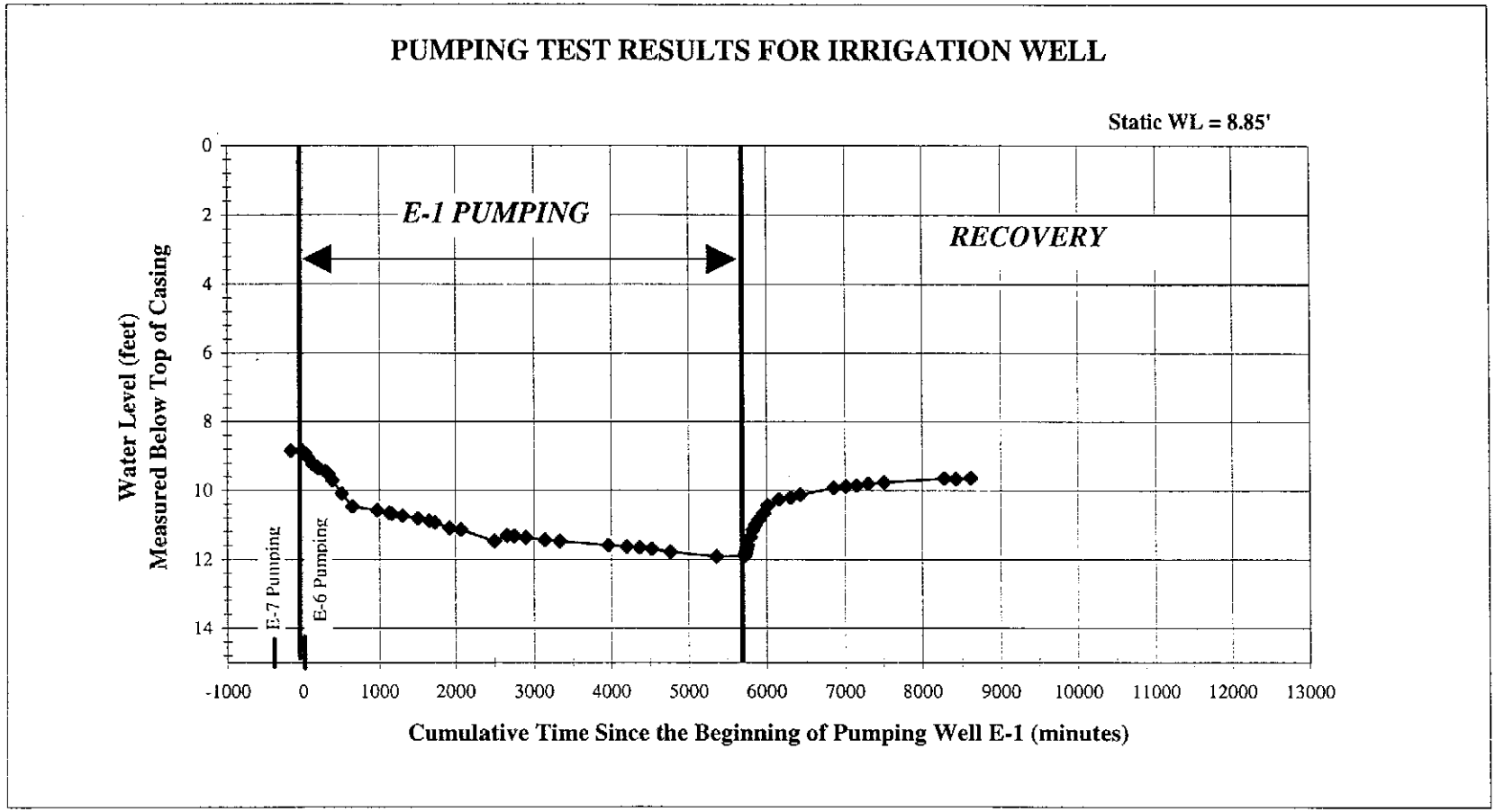
Arithmetic Plot of Time versus Water Level of Booth Dug Well
Throughout the Monitoring Period August 29 to September 12, 1994, New Baltimore, Virginia



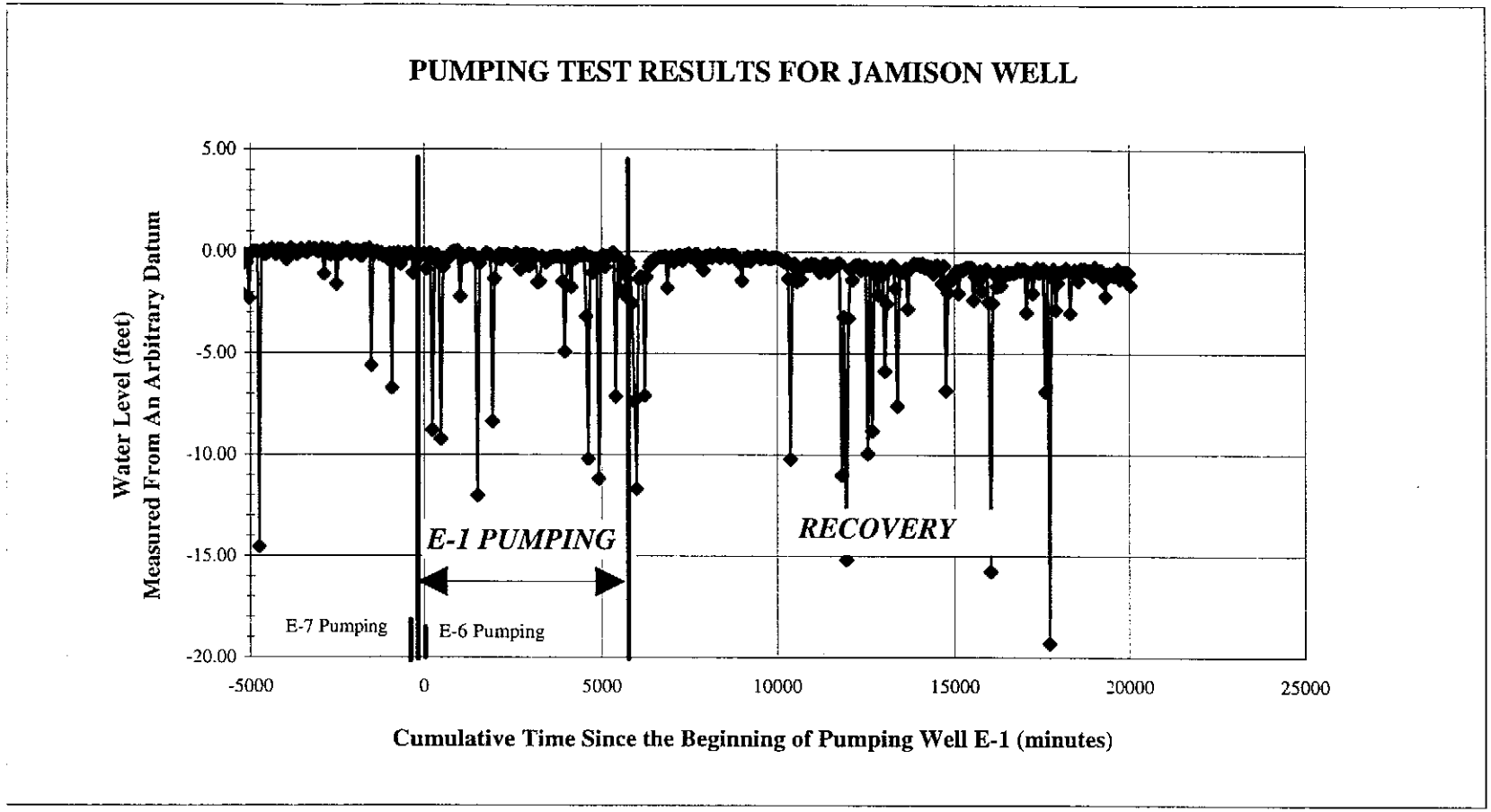
Arithmetic Plot of Time versus Water Level of Fling Well
Throughout the Monitoring Period August 29 to September 12, 1994, New Baltimore, Virginia



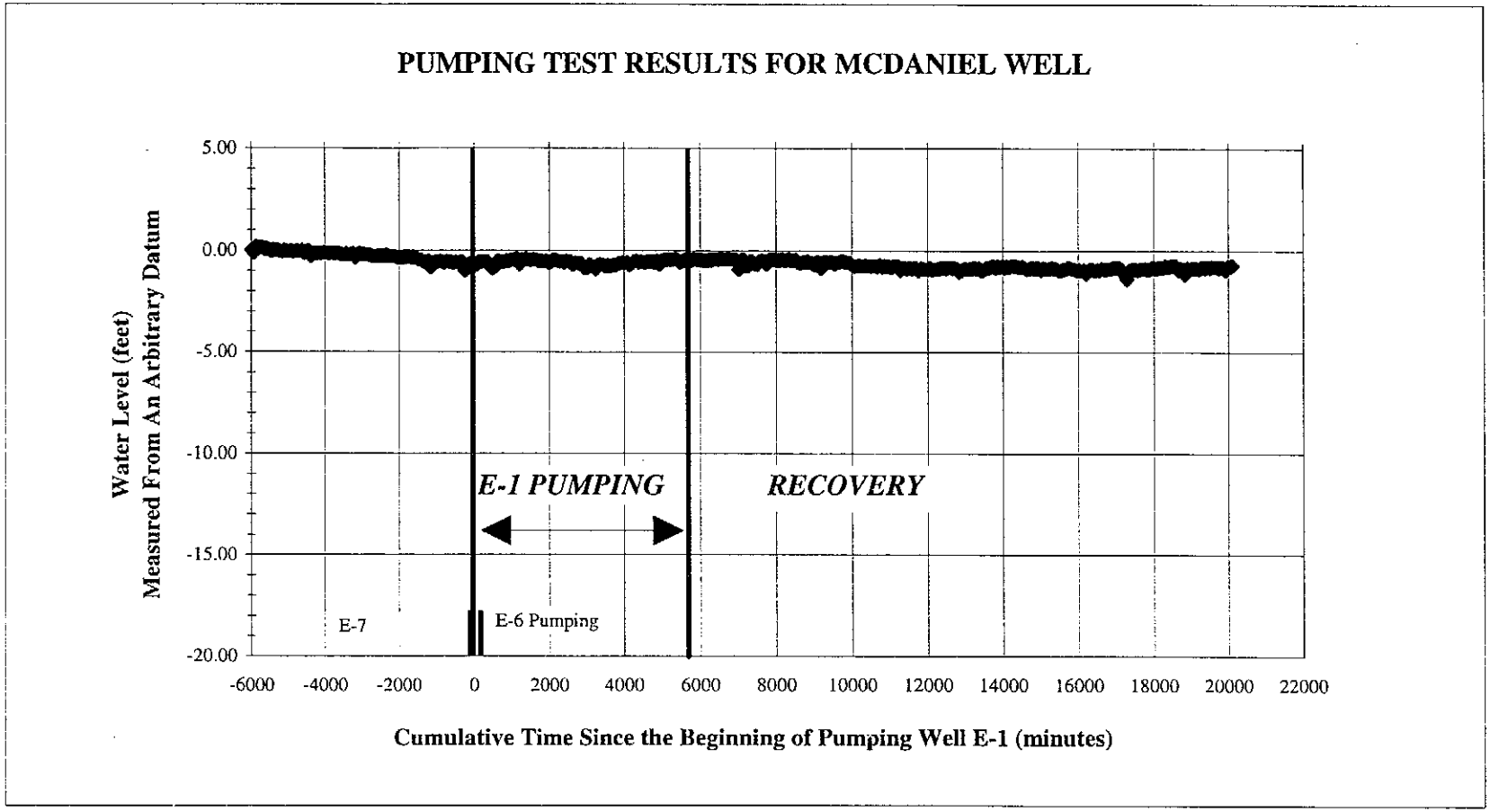
Arithmetic Plot of Time versus Water Level of Greenhouse Well Throughout the Monitoring Period August 29 to September 4, 1994, New Baltimore, Virginia



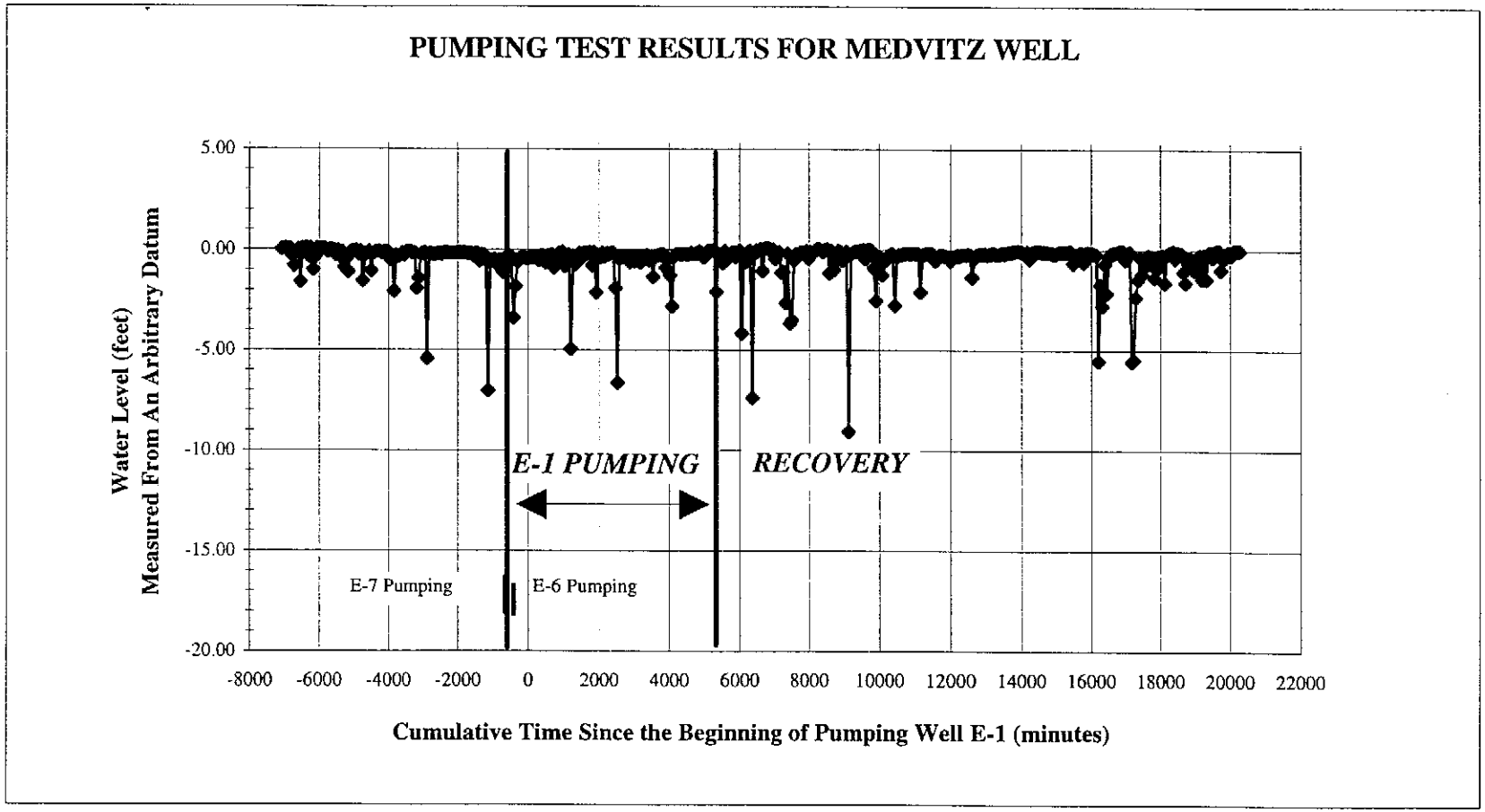
Arithmetic Plot of Time versus Water Level of Irrigation Well
Throughout the Monitoring Period August 29 to September 4, 1994, New Baltimore, Virginia



Arithmetic Plot of Time versus Water Level of Jamison Well
Throughout the Monitoring Period August 29 to September 12, 1994, New Baltimore, Virginia



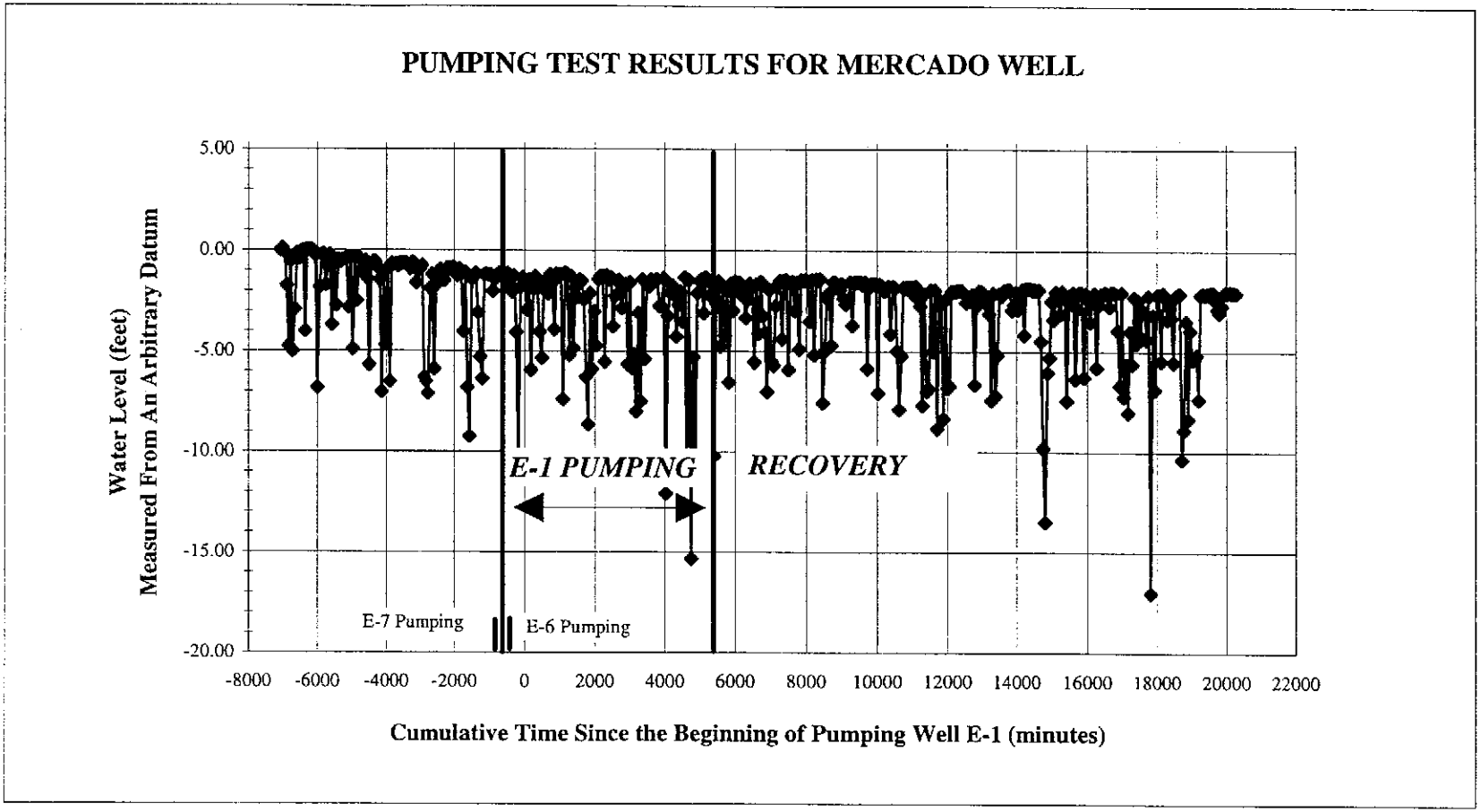
Arithmetic Plot of Time versus Water Level of McDaniel Well
Throughout the Monitoring Period August 29 to September 12, 1994, New Baltimore, Virginia



Arithmetic Plot of Time versus Water Level of Medvitz Well
Throughout the Monitoring Period August 29 to September 12, 1994, New Baltimore, Virginia

MONWLPT.XLS
MEDVITZ PLOT

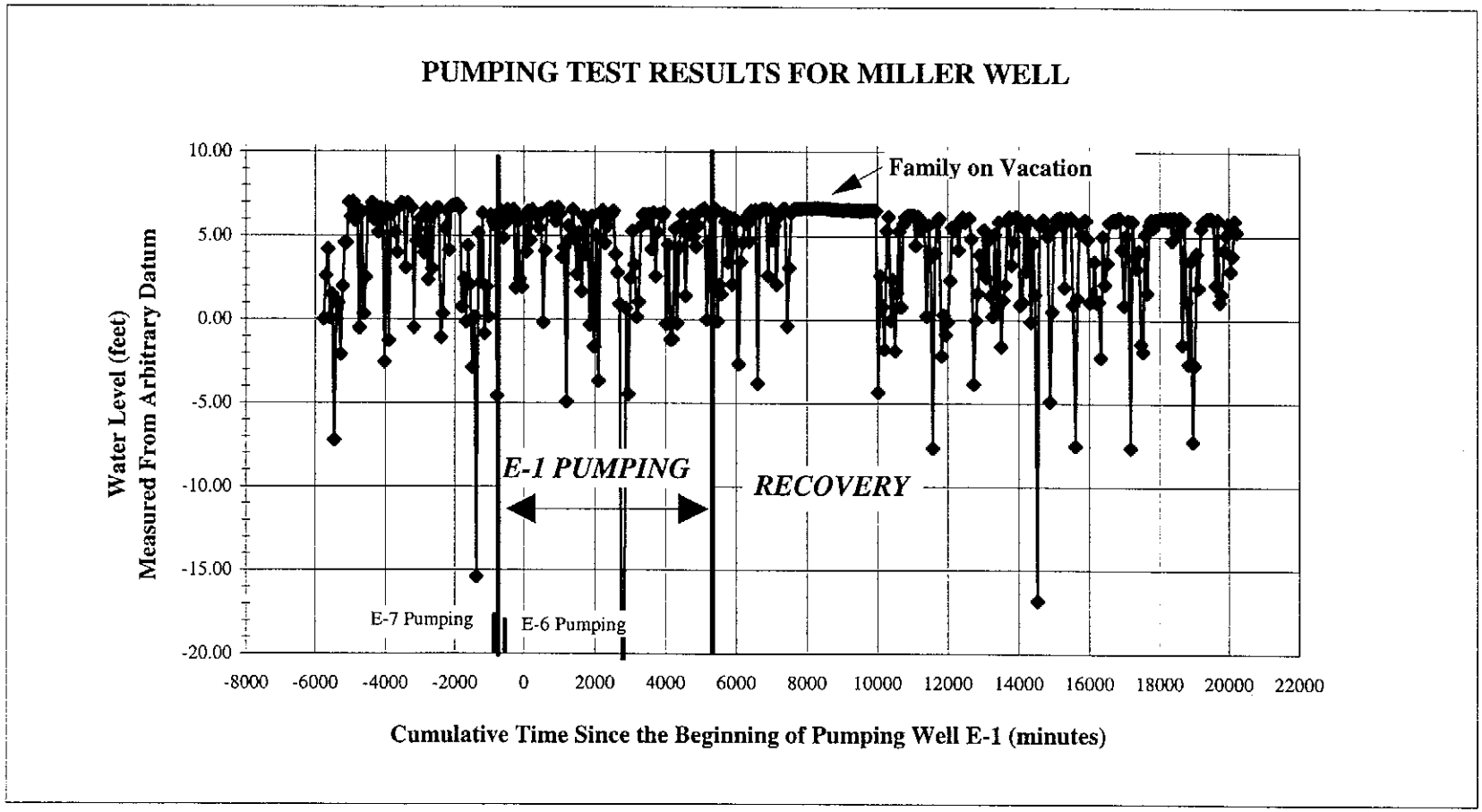
Emery and Garrett Groundwater, Inc.



Arithmetic Plot of Time versus Water Level of Mercado Well
Throughout the Monitoring Period August 29 to September 12, 1994, New Baltimore, Virginia

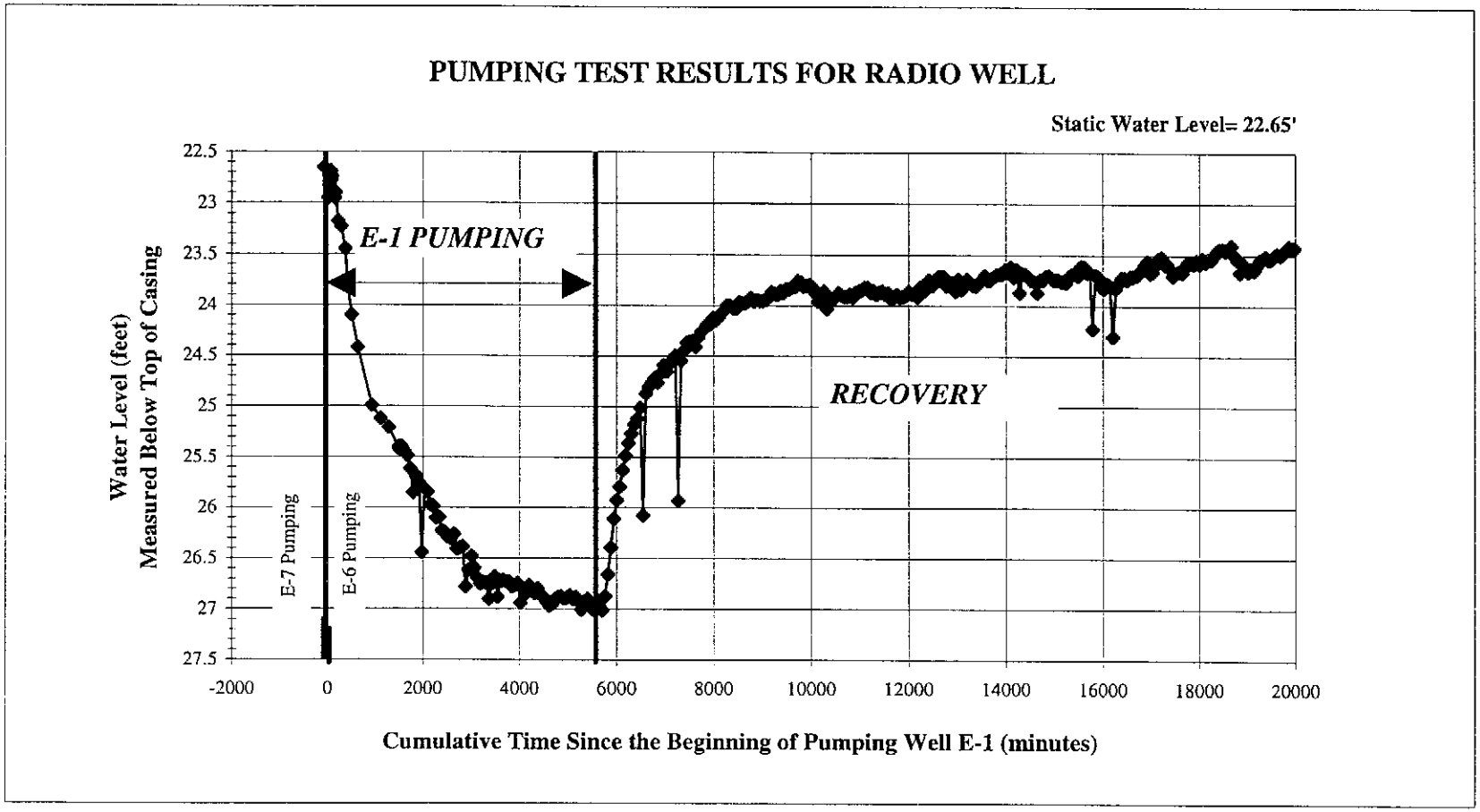
MONWLPT.XLS
MERCADO PLOT

Emery and Garrett Groundwater, Inc.

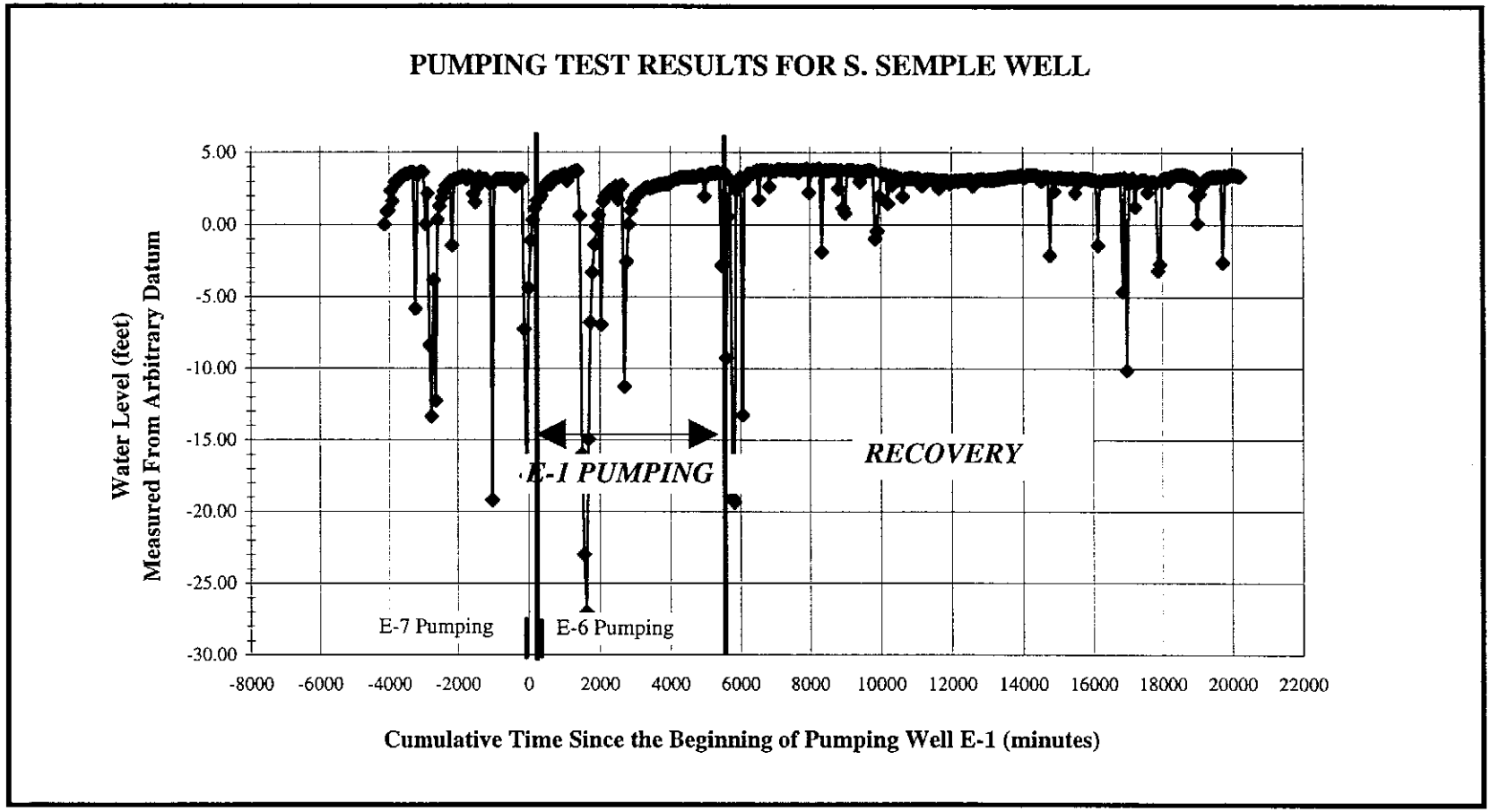


Arithmetic Plot of Time versus Water Level of Miller Well
Throughout the Monitoring Period August 29 to September 12, 1994, New Baltimore, Virginia

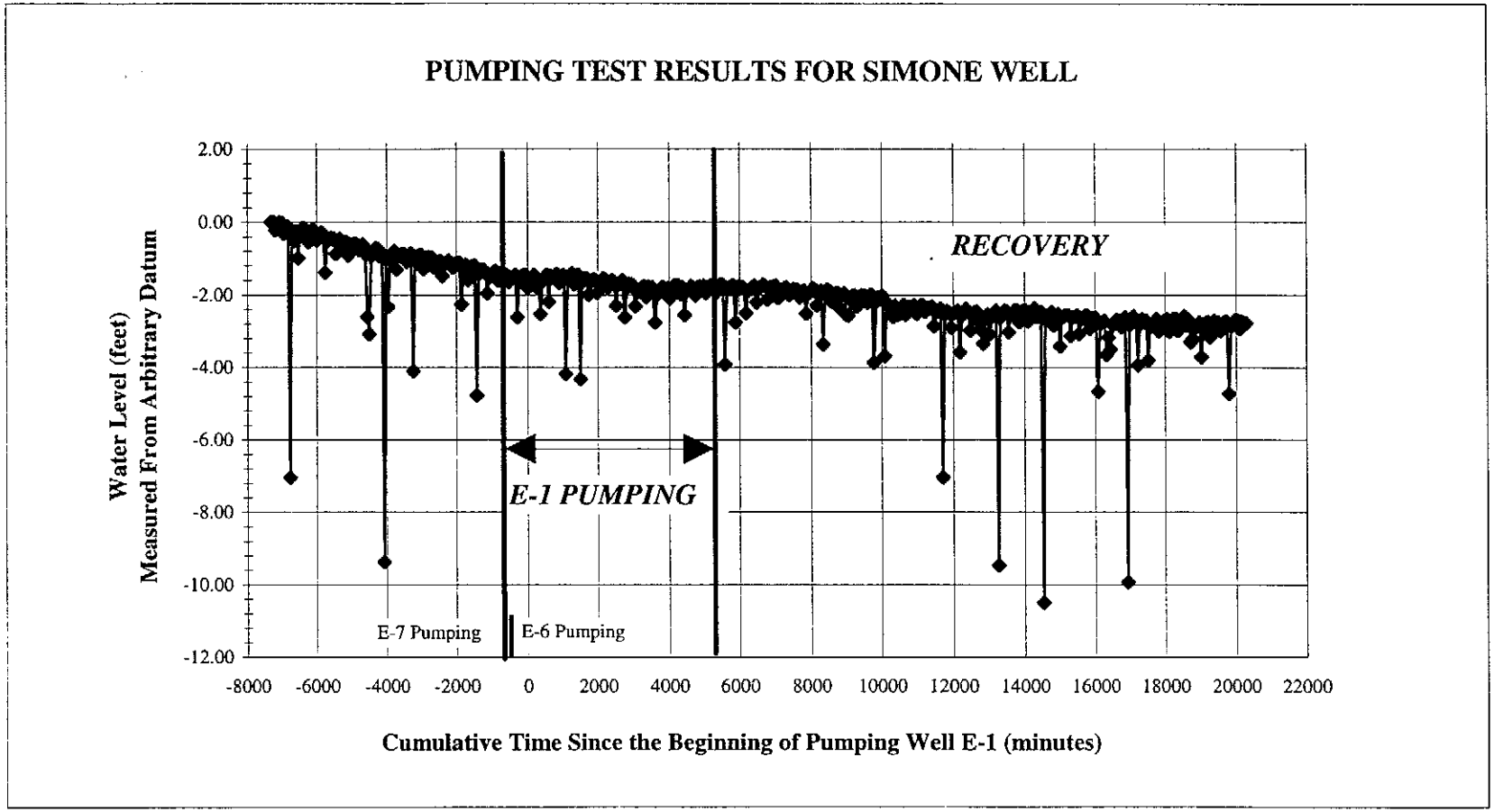
MONWLPT.XLS
MILLER PLOT



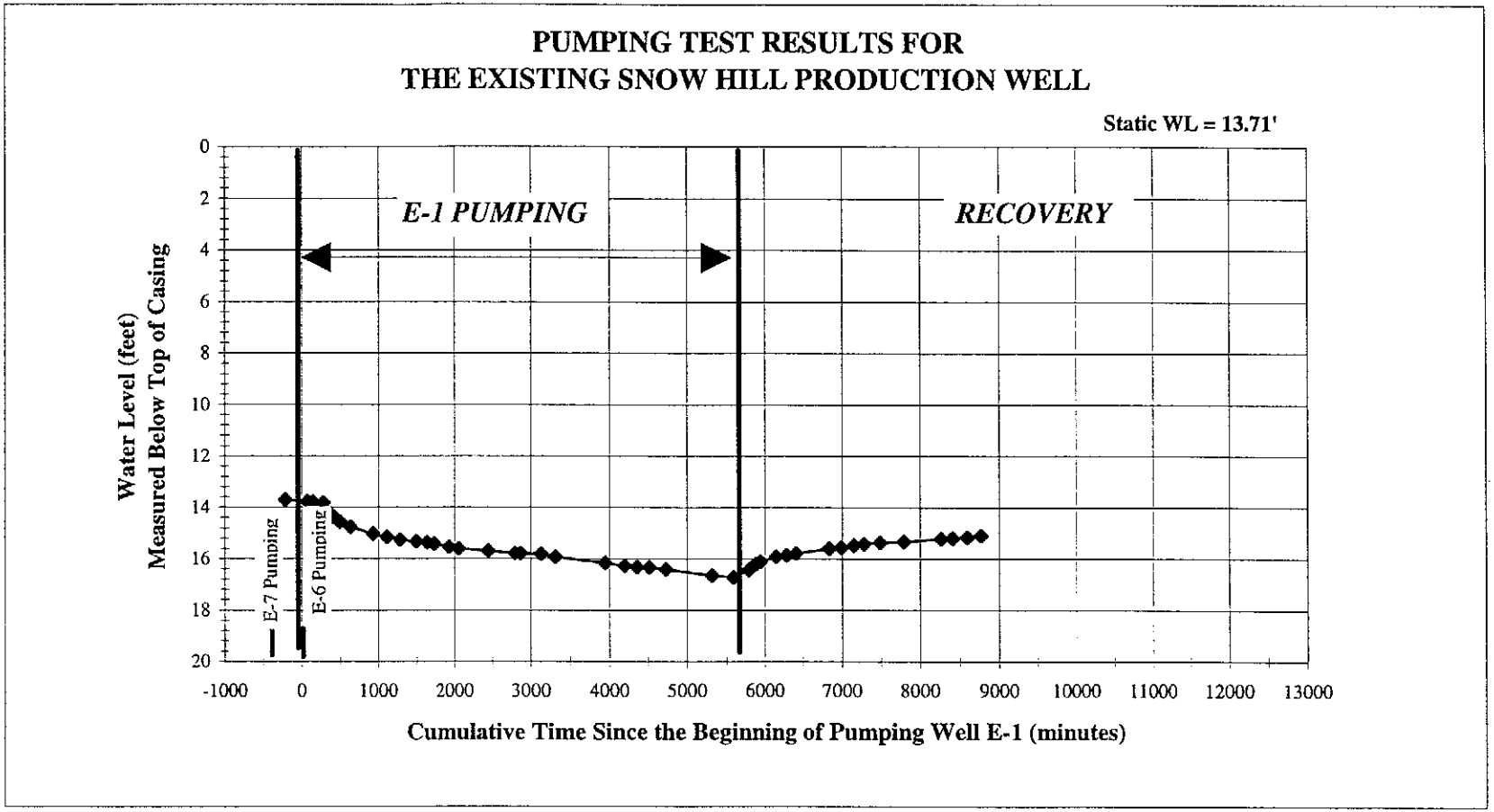
Arithmetic Plot of Time versus Water Level of Radio Well
Throughout the Monitoring Period August 29 to September 12, 1994, New Baltimore, Virginia



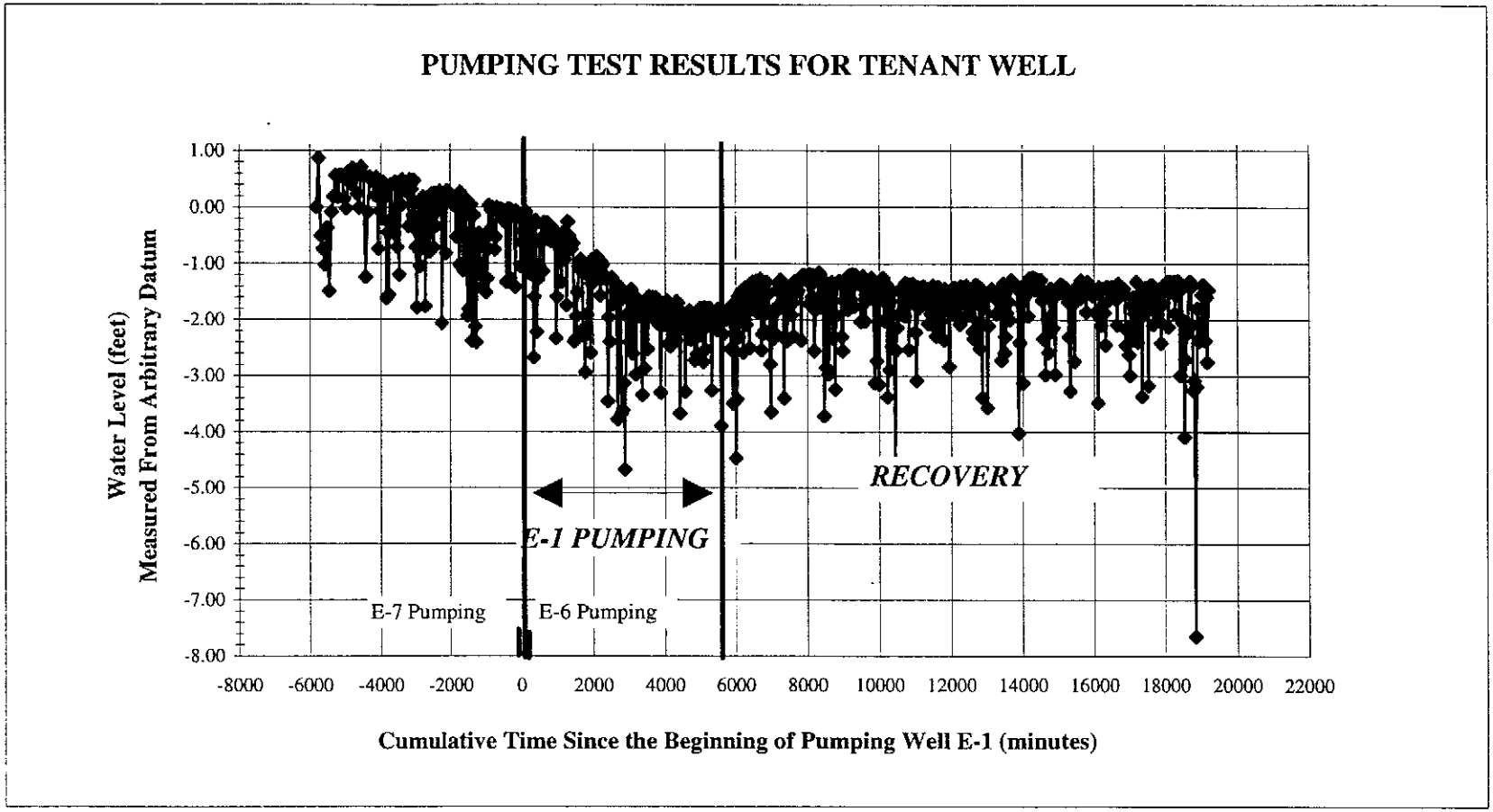
Arithmetic Plot of Time versus Water Level of Semple Well
Throughout the Monitoring Period August 29 to September 12, 1994, New Baltimore, Virginia



Arithmetic Plot of Time versus Water Level of Simone Well
Throughout the Monitoring Period August 29 to September 12, 1994, New Baltimore, Virginia



Arithmetic Plot of Time versus Water Level of Snow Hill Production Well Throughout the Monitoring Period August 29 to September 4, 1994, New Baltimore, Virginia



Arithmetic Plot of Time versus Water Level of Tennant Well
Throughout the Monitoring Period August 29 to September 12, 1994, New Baltimore, Virginia

APPENDIX F

RAW WATER LEVEL DATA
PRODUCTION WELL M-6a
CONSTANT RATE PUMPING TEST

PUMPING TEST DATA SHEET FOR WELL M6-A

PROJECT: Fauquier Co. WSA
SUBCONTRACTOR: Leazer Bros. Inc.
PUMP/PUMP SETTING:
DISCHARGE RATE: 100 gpm

PUMPING WELL: M-6A
STATIC WATER LEVEL: 36.10 feet
MAXIMUM DRAWDOWN: 82.61 feet
MEASURING POINT: Top of Measuring Tube
OTHER PUMPING WELL(S): None

	Date	Hour	Minute
Start of Pumping:	8/29/94	8	0
Start of Recovery:	9/1/94	12	0

Duration of Pumping (hours	76.00
Duration of Recovery(hours)	74.90

PUMPING DATA							RECOVERY DATA					
Date	24 Hour Time		Cum. Time	Water Level	Discharge	Comments	Date	24 Hour Time		Cum. Time	Cum. Time	Water Level
	Hour	Minute	(minutes)	(feet)	Q (GPM)			Hour	Minute	t (minutes)	t' (minutes)	(feet)
8/29/94	8	0.1	0.1	36.1			9/1/94	12	0.1	4560.1	0.1	118.71
8/29/94	8	1	1	59.51			9/1/94	12	1	4561	1	75.31
8/29/94	8	2	2	69.15			9/1/94	12	2	4562	2	70.09
8/29/94	8	3	3	76.33			9/1/94	12	3	4563	3	68.38
8/29/94	8	4	4	80.5			9/1/94	12	4	4564	4	66.96
8/29/94	8	5	5	83.11	100		9/1/94	12	5	4565	5	65.56
8/29/94	8	6	6	84.93			9/1/94	12	6	4566	6	64.43
8/29/94	8	7	7	86.35			9/1/94	12	7	4567	7	63.55
8/29/94	8	8	8	87.05			9/1/94	12	8	4568	8	62.69
8/29/94	8	9	9	87.86			9/1/94	12	9	4569	9	61.88
8/29/94	8	10	10	88.06			9/1/94	12	10	4570	10	61.18
8/29/94	8	12	12	90.06			9/1/94	12	12	4572	12	59.86
8/29/94	8	14	14	91.22			9/1/94	12	14	4574	14	58.71
8/29/94	8	16	16	93.5			9/1/94	12	16	4576	16	57.72
8/29/94	8	18	18	94.84			9/1/94	12	18	4578	18	56.83
8/29/94	8	20	20	95.8			9/1/94	12	20	4580	20	56
8/29/94	8	22	22	96.69			9/1/94	12	22	4582	22	55.23
8/29/94	8	24	24	97.47			9/1/94	12	24	4584	24	54.55
8/29/94	8	26	26	98.2			9/1/94	12	26	4586	26	53.89
8/29/94	8	28	28	98.93			9/1/94	12	28	4588	28	53.26
8/29/94	8	30	30	99.54	100		9/1/94	12	30	4590	30	52.73
8/29/94	8	35	35	101.03			9/1/94	12	35	4595	35	51.38
8/29/94	8	40	40	102.41			9/1/94	12	40	4600	40	50.45
8/29/94	8	45	45	103.57			9/1/94	12	45	4605	45	49.2
8/29/94	8	50	50	105.75			9/1/94	12	50	4610	50	48.32
8/29/94	8	55	55	106.62			9/1/94	12	55	4615	55	47.45
8/29/94	9	0	60	107.46			9/1/94	13	0	4620	60	46.7
8/29/94	9	10	70	108.94			9/1/94	13	10	4630	70	45.33
8/29/94	9	20	80	110.98			9/1/94	13	20	4640	80	44.17
8/29/94	9	30	90	112.2	100		9/1/94	13	30	4650	90	43.16
8/29/94	9	40	100	113.28			9/1/94	13	40	4660	100	42.23
8/29/94	9	50	110	114.45			9/1/94	13	50	4670	110	41.45
8/29/94	10	0	120	116.4			9/1/94	14	0	4680	120	40.6
8/29/94	10	10	130	116.93			9/1/94	14	10	4690	130	40.03
8/29/94	10	20	140	117.35			9/1/94	14	20	4700	140	39.31
8/29/94	10	30	150	117.69			9/1/94	14	30	4710	150	38.82
8/29/94	10	40	160	118.63			9/1/94	14	40	4720	160	38.28
8/29/94	10	50	170	119.11			9/1/94	14	50	4730	170	37.85
8/29/94	11	0	180	119.35			9/1/94	15	0	4740	180	37.44
8/29/94	11	20	200	120.82			9/1/94	16	19	4819	259	35.18
8/29/94	11	40	220	121.16			9/1/94	17	12	4872	312	34.25
8/29/94	12	0	240	121.34			9/1/94	18	6	4926	366	33.43
8/29/94	12	30	270	121.65			9/1/94	19	10	4990	430	32.75
8/29/94	13	0	300	121.8			9/1/94	20	10	5050	490	32.28
8/29/94	13	30	330	121.95			9/1/94	21	10	5110	550	31.93
8/29/94	14	0	360	122.05			9/1/94	23	12	5232	672	31.35
8/29/94	14	30	390	122.05	100		9/2/94	5	45	5625	1065	30.9
8/29/94	15	0	420	122			9/2/94	8	55	5815	1255	30.75
8/29/94	15	30	450	122.4			9/2/94	10	40	5920	1360	30.37
8/29/94	16	0	480	122.26			9/2/94	16	35	6275	1715	28.79
8/29/94	16	30	510	122.2			9/2/94	22	15	6615	2055	27.96
8/29/94	17	0	540	122.12			9/3/94	0	22	6742	2182	28.05
8/29/94	17	30	570	122.03			9/3/94	7	30	7170	2610	26.55
8/29/94	18	0	600	122			9/3/94	12	16	7456	2896	26.01
8/29/94	19	0	660	121.9			9/3/94	15	7	7627	3067	25.7
8/29/94	20	0	720	121.7			9/3/94	17	39	7779	3219	26.31
8/29/94	21	0	780	121.91			9/4/94	7	22	8602	4042	28.72
8/29/94	22	0	840	121.41			9/4/94	9	40	8740	4180	28.93
8/29/94	23	0	900	121.2			9/4/94	12	4	8884	4324	28.23

PUMPING DATA							RECOVERY DATA					
Date	24 Hour Time		Cum. Time	Water Level	Discharge	Comments	Date	24 Hour Time		Cum. Time	Cum. Time	Water Level
	Hour	Minute	(minutes)	(feet)	Q (GPM)			Hour	Minute	t (minutes)	t' (minutes)	(feet)
8/30/94	0	0	960	121.01			9/4/94	14	54	9054	4494	27.76
8/30/94	2	0	1080	120.41								
8/30/94	4	0	1200	119.9								
8/30/94	6	0	1320	119.35	100	WaterCheck collected @ 9:00						
8/30/94	8	0	1440	119.69		WQ- 9:00 pH=7.32, T=15C						
8/30/94	10	0	1560	119.48		Cond=313uS, Fe= .78-.8mg/l						
8/30/94	12	0	1680	119.28								
8/30/94	14	0	1800	119.2		WQ- 15:30 pH=7.37, T=15C						
8/30/94	16	0	1920	119.63		Cond=314uS, Fe= 0.75-.78mg/l						
8/30/94	18	0	2040	120.31		Mn= 0.28-.3mg/l						
8/30/94	20	0	2160	120.92								
8/30/94	22	0	2280	121.6								
8/31/94	0	0	2400	122.13								
8/31/94	2	0	2520	122.43								
8/31/94	4	0	2640	122.42								
8/31/94	6	0	2760	122.76								
8/31/94	8	0	2880	122.9		WQ- 9:00 pH=7.02, T=15C						
8/31/94	10	0	3000	123.19		Cond=317uS, Fe= 0.85mg/l						
8/31/94	12	0	3120	122.47		Mn= 0.32mg/l						
8/31/94	14	0	3240	121.97								
8/31/94	16	0	3360	121.36	100	WQ- 16:20 pH=7.02, T=15C						
8/31/94	18	0	3480	121.02		Cond=310uS, Fe= 0.75-.77mg/l						
8/31/94	20	45	3645	120.61		Mn= 0.24-.26mg/l						
8/31/94	22	0	3720	120.4								
9/1/94	0	0	3840	120.3								
9/1/94	2	0	3960	119.87								
9/1/94	4	0	4080	119.56								
9/1/94	6	0	4200	119.35	100	WQ- 8:00 pH=7.09, T=14C						
9/1/94	8	0	4320	119.12		Cond=318uS, Fe=0.86-.89mg/l						
9/1/94	10	0	4440	118.97		Mn=0.27mg/l						
9/1/94	12	0	4560	118.71		WaterCheck collected @10:45						

APPENDIX G

WATER QUALITY DATA FOR PRODUCTION WELLS E-1, E-6, E-7, AND M-6a

WATER CHEMISTRY DURING PUMPING TESTS
PRODUCTION WELL E-1

Emery & Garrett Groundwater, Inc.

DATE COLLECTED	DATE RECEIVED	DATE COMPLETED	SAMPLE CODE
08/30/94	09/01/94	09/13/94	9690044

CUSTOMER ADDRESS

NEW BALTIMORE
WELL E-1
2ND DAY P.T.

RECEIVED SEP 19 1994

DEALER ADDRESS

EMERY & GARRETT GROUNDWTR
170 WAUKEWAN ST
MEREDITH, NH 03253-

NATIONAL TESTING LABORATORIES INC.
6555 Wilson Mills Road
Cleveland, OH 44143
(216) 449-2525

DRINKING WATER ANALYSIS RESULTS

NOTE: "*" indicates that the MCL (Maximum Contaminant Level) has been exceeded, or in the case of pH is either too high OR too low.
"ND" indicates that none of this contaminant has been detected at or above our detection level.
"**" Result may be invalid due to lack of "Time Collected" or because the sample has exceeded the 30-hour time frame.
"BD" Bacteria destroyed due to lack of collection information or because the sample has exceeded the 48-hour time frame.
TNTC-Too Numerous To Count NBS-No Bacteria Submitted

Analysis performed	MCL (mg/l)	Detection Level	Level Detected
Microbiological:			
Total coliform (organism/100ml)	0	0	BD
Inorganic chemicals - metals:			
Aluminum	0.2	0.1	ND
Arsenic	0.05	0.010	ND
Barium	2.0	0.30	ND
Cadmium	0.005	0.002	ND
Chromium	0.1	0.004	ND
Copper	1.3	0.004	ND
Iron	0.3	0.020	0.071
Lead	0.015	0.002	ND
Manganese	0.05	0.004	0.069*
Mercury	0.002	0.001	ND
Nickel	0.1	0.02	ND
Selenium	0.05	0.002	ND
Silver	0.1	0.002	ND
Sodium	---	1.0	7.2
Zinc	5.0	0.004	0.013
Inorganic chemicals - other, and physical factors:			
Alkalinity (Total as CaCO3)	---	10.0	100
Chloride	250	5.0	5
Fluoride	4.0	0.5	ND
Nitrate as N	10	0.5	ND
Nitrite as N	1.0	0.5	ND
Sulfate	250	5.0	12
Hardness (suggested limit = 100)		10.0	102*
pH (Standard Units)	6.5 8.5	---	7.7
Total Dissolved Solids	500	20.0	126
Turbidity (Turbidity Units)	1.0	0.1	0.2
Organic chemicals - trihalomethanes:			
Bromoform		0.004	ND
Bromodichloromethane		0.002	ND
Chloroform		0.002	ND
Dibromochloromethane	---	0.004	ND
Total THMs (sum of four above)	0.1	0.002	ND
Organic chemicals - volatiles:			
Benzene	0.005	0.001	ND
Vinyl Chloride	0.002	0.001	ND
Carbon Tetrachloride	0.005	0.001	ND
1,2-Dichloroethane	0.005	0.001	ND

 Sample code: 9690044

Analysis performed	MCL (mg/l)	Detection Level	Level Detected
Trichloroethylene	0.005	0.001	ND
1,4-Dichlorobenzene	0.075	0.001	ND
1,1-Dichloroethylene	0.007	0.001	ND
1,1,1,-Trichloroethane	0.20	0.001	ND
Bromobenzene	---	0.002	ND
Bromomethane	---	0.002	ND
Chlorobenzene	0.1	0.001	ND
Chloroethane	---	0.002	ND
Chloromethane	---	0.002	ND
2-Chlorotoluene	---	0.001	ND
4-Chlorotoluene	---	0.001	ND
Dibromochloropropane (DBCP)	---	0.001	ND
Dibromomethane	---	0.002	ND
1,2-Dichlorobenzene	0.6	0.001	ND
1,3-Dichlorobenzene	---	0.001	ND
Dichlorodifluoromethane	---	0.002	ND
1,1-Dichloroethane	---	0.002	ND
Trans-1,2-Dichloroethylene	0.1	0.002	ND
cis-1,2-Dichloroethylene	0.07	0.002	ND
Dichloromethane	0.005	0.002	ND
1,2-Dichloropropane	0.005	0.002	ND
trans-1,3-Dichloropropene	---	0.002	ND
1,3-Dichloropropene	---	0.002	ND
2,2-Dichloropropane	---	0.002	ND
1,1-Dichloropropene	---	0.002	ND
1,3-Dichloropropane	---	0.002	ND
Ethylbenzene	0.7	0.001	ND
Ethylenedibromide (EDB)	---	0.001	ND
Styrene	0.1	0.001	ND
1,1,1,2-Tetrachloroethane	---	0.002	ND
1,1,2,2-Tetrachloroethane	---	0.002	ND
Tetrachloroethylene (PCE)	0.005	0.002	ND
1,2,4-Trichlorobenzene	---	0.002	ND
1,2,3-Trichlorobenzene	---	0.002	ND
1,1,2-Trichloroethane	0.005	0.002	ND
Trichlorofluoromethane	---	0.002	ND
1,2,3-Trichloropropane	---	0.002	ND
Toluene	1.0	0.001	ND
Xylene	10	0.001	ND
Organic chemicals - pesticides, herbicides & PCBs			
Alachlor	0.002	0.001	ND
Atrazine	0.003	0.002	ND
Chlordane	0.002	0.001	ND
Aldrin	---	0.002	ND
Dichloran	---	0.002	ND
Dieldren	---	0.001	ND
Endrin	0.002	0.0001	ND
Heptachlor	0.0004	0.0004	ND
Heptachlor Epoxide	0.0002	0.0001	ND
Hexachlorobenzene	0.001	0.0005	ND
Hexachlorocyclopentadiene	0.05	0.001	ND
Lindane	0.0002	0.0002	ND
Methoxychlor	0.04	0.002	ND
PCBs	0.0005	0.0005	ND
Pentachloronitrobenzene	---	0.002	ND
Silvex 2,4,5-TP	0.05	0.005	ND
Simazine	0.004	0.002	ND
Toxaphene	0.003	0.001	ND
Trifluralin	---	0.002	ND
2,4-D	0.07	0.010	ND

I certify that the analyses performed for this report are accurate, and that the laboratory tests were conducted by methods approved by the U.S. Environmental Protection Agency or variations of these EPA methods.

These test results are intended to be used for informational purposes only and may not be used for regulatory compliance.

PRESIDENT, NATIONAL TESTING LABORATORIES, INC.

DATE COLLECTED	DATE RECEIVED	DATE COMPLETED	SAMPLE CODE
09/02/94	09/06/94	09/16/94	9690140

NATIONAL TESTING LABORATORIES INC.
6555 Wilson Mills Road
Cleveland, OH 44143
(216) 449-2525

CUSTOMER ADDRESS

NEW BALT
WELL E-1
CONCLUSION OF PUMPING

RECEIVED SEP 2 0 1994

DEALER ADDRESS

EMERY & GARRETT GROUNDWTR
170 WAUKEWAN ST
MEREDITH, NH 03253-

DRINKING WATER ANALYSIS RESULTS

NOTE: "*" indicates that the MCL (Maximum Contaminant Level) has been exceeded, or in the case of pH is either too high OR too low.
"ND" indicates that none of this contaminant has been detected at or above our detection level.
"**" Result may be invalid due to lack of "Time Collected" or because the sample has exceeded the 30-hour time frame.
"BD" Bacteria destroyed due to lack of collection information or because the sample has exceeded the 48-hour time frame.
TNTC-Too Numerous To Count NBS-No Bacteria Submitted

Analysis performed	MCL (mg/l)	Detection Level	Level Detected
Microbiological:			
Total coliform (organism/100ml)	0	0	BD
Inorganic chemicals - metals:			
Aluminum	0.2	0.1	ND
Arsenic	0.05	0.010	ND
Barium	2.0	0.30	ND
Cadmium	0.005	0.002	ND
Chromium	0.1	0.004	ND
Copper	1.3	0.004	ND
Iron	0.3	0.020	0.084
Lead	0.015	0.002	ND
Manganese	0.05	0.004	0.066*
Mercury	0.002	0.001	ND
Nickel	0.1	0.02	ND
Selenium	0.05	0.002	ND
Silver	0.1	0.002	ND
Sodium	---	1.0	8.0
Zinc	5.0	0.004	0.008
Inorganic chemicals - other, and physical factors:			
Alkalinity (Total as CaCO3)	---	10.0	100
Chloride	250	5.0	6
Fluoride	4.0	0.5	ND
Nitrate as N	10	0.5	ND
Nitrite as N	1.0	0.5	ND
Sulfate	250	5.0	28
Hardness (suggested limit = 100)		10.0	115*
pH (Standard Units)	6.5-8.5	---	7.8
Total Dissolved Solids	500	20.0	148
Turbidity (Turbidity Units)	1.0	0.1	0.4
Organic chemicals - trihalomethanes:			
Bromoform	---	0.004	ND
Bromodichloromethane	---	0.002	ND
Chloroform	---	0.002	ND
Dibromochloromethane	---	0.004	ND
Total THMs (sum of four above)	0.1	0.002	ND
Organic chemicals - volatiles:			
Benzene	0.005	0.001	ND
Vinyl Chloride	0.002	0.001	ND
Carbon Tetrachloride	0.005	0.001	ND
1,2-Dichloroethane	0.005	0.001	ND

 Sample code: 9690140

Analysis performed	MCL (mg/l)	Detection Level	Level Detected
Trichloroethylene	0.005	0.001	ND
1,4-Dichlorobenzene	0.075	0.001	ND
1,1-Dichloroethylene	0.007	0.001	ND
1,1,1,-Trichloroethane	0.20	0.001	ND
Bromobenzene	---	0.002	ND
Bromomethane	---	0.002	ND
Chlorobenzene	0.1	0.001	ND
Chloroethane	---	0.002	ND
Chloromethane	---	0.002	ND
2-Chlorotoluene	---	0.001	ND
4-Chlorotoluene	---	0.001	ND
Dibromochloropropane (DBCP)	---	0.001	ND
Dibromomethane	---	0.002	ND
1,2-Dichlorobenzene	0.6	0.001	ND
1,3-Dichlorobenzene	---	0.001	ND
Dichlorodifluoromethane	---	0.002	ND
1,1-Dichloroethane	---	0.002	ND
Trans-1,2-Dichloroethylene	0.1	0.002	ND
cis-1,2-Dichloroethylene	0.07	0.002	ND
Dichloromethane	0.005	0.002	ND
1,2-Dichloropropane	0.005	0.002	ND
trans-1,3-Dichloropropene	---	0.002	ND
1,3-Dichloropropene	---	0.002	ND
2,2-Dichloropropane	---	0.002	ND
1,1-Dichloropropene	---	0.002	ND
1,3-Dichloropropane	---	0.002	ND
Ethylbenzene	0.7	0.001	ND
Ethylenedibromide (EDB)	---	0.001	ND
Styrene	0.1	0.001	ND
1,1,1,2-Tetrachloroethane	---	0.002	ND
1,1,2,2-Tetrachloroethane	---	0.002	ND
Tetrachloroethylene (PCE)	0.005	0.002	ND
1,2,4-Trichlorobenzene	---	0.002	ND
1,2,3-Trichlorobenzene	---	0.002	ND
1,1,2-Trichloroethane	0.005	0.002	ND
Trichlorofluoromethane	---	0.002	ND
1,2,3-Trichloropropane	---	0.002	ND
Toluene	1.0	0.001	ND
Xylene	10	0.001	ND
Organic chemicals - pesticides, herbicides & PCBs			
Alachlor	0.002	0.001	ND
Atrazine	0.003	0.002	ND
Chlordane	0.002	0.001	ND
Aldrin	---	0.002	ND
Dichloran	---	0.002	ND
Dieldren		0.001	ND
Endrin	0.002	0.0001	ND
Heptachlor	0.0004	0.0004	ND
Heptachlor Epoxide	0.0002	0.0001	ND
Hexachlorobenzene	0.001	0.0005	ND
Hexachlorocyclopentadiene	0.05	0.001	ND
Lindane	0.0002	0.0002	ND
Methoxychlor	0.04	0.002	ND
PCBs	0.0005	0.0005	ND
Pentachloronitrobenzene	---	0.002	ND
Silvex 2,4,5-TP	0.05	0.005	ND
Simazine	0.004	0.002	ND
Toxaphene	0.003	0.001	ND
Trifluralin	---	0.002	ND
2,4-D	0.07	0.010	ND

I certify that the analyses performed for this report are accurate, and that the laboratory tests were conducted by methods approved by the U.S. Environmental Protection Agency or variations of these EPA methods.

These test results are intended to be used for informational purposes only and may not be used for regulatory compliance.

PRESIDENT, NATIONAL TESTING LABORATORIES, INC.

LAB #: 1-8

NAME OF WATER SYSTEM: FAUQUIER WSA - NEW BALTIMORE
SOURCE: WELL E-1
OTHER INFORMATION: NEW WELL

REPORT RESULTS TO HEALTH OFFICIAL AT:
Name VALLEY DRILLING CORP. OF VA.
Address 9172 JOHN S. MOSBY HWY.
City UPPERVILLE, VA 22176
Code 703/592-3239

Water Quality Report

INORGANIC

WSE 50

BB

Commonwealth of Virginia
Department of Health
Division of Water Programs
Bureau of Water Supply Engineering

REGION: ☐ Abingdon ☐ Danville ☐ Richmond ☐ Local Health Dept.
☑ Culpeper ☐ Lexington ☐ Virginia Beach ☐

PLANNING DISTRICT#
COUNTY: FAUQUIER
INDEPENDENT CITY: WARRENTON
SAMPLING LOCATION: @WELL TAP
CODE: 7-9
SOURCE TYPE: ☑ Public-Community ☐ Public-Noncommunity

FIELD TESTS: Temp: pH: Cl_2: mg/L Alk: mg/L CO_2 mg/L Hard.: mg/L

P.W.S.I.D. #: 6061318 (10-16)
TRANSACTION CODE: Ø 3 (17-18)

DATE COLLECTED: Mo 9 Day 1 Yr 94 (19-24)

TIME: 1000 (25-28)

COLLECTED BY: VDC. - RS.

CONTAINER TYPE: ☐ Glass ☑ Plastic

PRESERVATIVE USED: ☐ None ☑ Ice ☐ Other

SAMPLE TYPE: D ☐ Reg. Dist. P ☐ Plant Tap R ☑ Raw Water C ☐ Check M ☐ MCL Check S ☐ Other (29)

DATE REC:
DATE REP: 9-30-94

CONT. I.D.	CONTAMINANT NAME (Maximum Allowable Level)	MTD.	S	ANALYSIS RESULTS	PRECISION	ANALYSIS DATE Mo Day Yr	A*
1925	pH (6.5-8.5)	135		Ø Ø 767 Ø Ø	±	09 01 94	[illegible]
1927	Alkalinity-Total	157		Ø 968 Ø Ø Ø	±		
1928	Alkalinity-Bicarbonate	157		Ø 968 Ø Ø Ø	±		
1929	Alkalinity-Carbonate	157		Ø 00 Ø Ø Ø	±		
1915	Hardness-EDTA	141		Ø Ø Ø	±		
1932	Acidity	157		Ø Ø Ø Ø	±		
1910	Corrosion Index	136		Ø Ø 1160 Ø Ø	±		
1025	Fluoride 1.8	107		Ø Ø 015 Ø Ø	±	09 06 94	SB
1017	Chloride 250.	107		60 Ø Ø Ø	±	09 28 94	CF
1905	Color (APHA) 15 CU	129		Ø Ø 7 Ø Ø Ø Ø	±	09 06 94	[illegible]
0100	Turbidity (FTU) 1.0	001		Ø 048 Ø Ø	±	09 01 94	[illegible]
1027	Hydrogen Sulfide 0.05	155	<	Ø Ø Ø 003 Ø Ø	±	09 01 94	[illegible]
1055	Sulfate 250.	137		Ø 243 Ø Ø Ø	±	09 28 94	CF
1040	Nitrogen-Nitrate 10.0	163		Ø Ø Ø Ø	±		
1039	Nitrogen-Ammonia	147	<	Ø Ø 004 Ø Ø	±	09 02 94	PB
1038	Nitrogen-Nitrite	163		Ø Ø Ø Ø	±		
1041	Nitrogen-Total Kjeldahl	175		Ø Ø Ø Ø	±		
1043	Phosphate-Total (As P)	162		Ø Ø Ø Ø	±		
1044	Phosphate-Ortho (As P)	162	<	Ø Ø 005 Ø Ø	±	09 28 94	CF
1926	Specific Conductance (u mhos/cm)	145		253 Ø Ø Ø	±	09 01 94	BG
1930	Total Dissolved Solids (185°C)	139		169 Ø Ø Ø Ø	±	09 13 94	BG
1058	Volatile (550°C)	139		32 Ø Ø Ø Ø	±		
1059	Fixed (550°C)	139		137 Ø Ø Ø Ø	±		
1049	Silica (as SiO_2)	143		Ø 260 Ø Ø	±	09 12 94	FM
1997	Langlier Index 15°C	136	-	Ø Ø Ø 435 Ø	±		
					±		
					±		
30-33	LAB I.D. 01000 (34-38)	39-41	42	43-50	51-53	54-59	

PREPARED BY: B. O'Neal

The results on this report are expressed in mg/L unless otherwise indicated. *A = analyst's initials

455736

94 SEP -1 PM 12:41

RECEIVED OCT 17 1994

LAB #:

NAME OF WATER SYSTEM: FAUQUIER CO. WSA NEW BALTIMORE

SOURCE: WELL E-1

OTHER INFORMATION: NEW WELL

REPORT RESULTS TO HEALTH OFFICIAL AT:
Name: VALLEY DRILLING CORP. OF VA.
Address: 9172 JOHN S. MOSBY HWY.
City, Zip: UPPERVILLE, VA 22176
703/592-3239

Water Quality Report

NITRATE-N NITRITE-N HARDNESS **BB**

WSE 50

Commonwealth of Virginia
Department of Health
Division of Water Programs
Bureau of Water Supply Engineering

REGION: ☐ Abingdon ☐ Danville ☑ Richmond ☐ Local Health Dept.
☑ Culpeper ☐ Lexington ☑ Virginia Beach ☐

PLANNING DISTRICT #: SAMPLING LOCATION: @WELL TAP

COUNTY: FAUQUIER

INDEPENDENT CITY: WARRENTON

CODE: 7-9

SOURCE TYPE: ☑ Public-Community ☐ Public-Noncommunity

FIELD TESTS: Temp: Cl2: mg/L CO2: mg/L
pH: Alk: mg/L Hard.: mg/L

P.W.S.I.D. #: 6 0 6 1 3 1 8 (10-16)

TRANSACTION CODE: 0 3 (17-18)

DATE COLLECTED: Mo 9 Day 1 Yr 94 (19-24)

TIME: 1 0 0 0 (25-28)

COLLECTED BY: VDC - R-S

CONTAINER TYPE: ☐ Glass ☑ Plastic

PRESERVATIVE USED: ☐ None ☑ Ice ☐ Other ☐ Nitric Acid ☐ Sulfuric Acid

SAMPLE TYPE: ☐ Reg. Dist. ☐ Plant Tap ☑ Raw Water ☐ Check ☐ MCL Check ☐ Other

DATE REC:

DATE REP: 09-30-94

CONT. I.D.	CONTAMINANT NAME (Maximum Allowable Level)	MTD.	S	ANALYSIS RESULTS	PRECISION	ANALYSIS DATE Mo	Day	Yr	A*
	Nitrate-Nitrogen			0.34	±	09	28	94	CF
	Nitrite-Nitrogen		<	0.05	±	/	/	/	/
	Hardness (Total)			110	±				
	Hardness Calcium			88	±				

LAB I.D. (30-33) (34-38) (39-41) (43-50) (51-53) (54-59)

PREPARED BY: [signature]

The results on this report are expressed in mg/L unless otherwise indicated. *A = analyst's initials

455737

94 SEP -1 PM 12:41

RECEIVED OCT - 3 1994

1-6

NAME OF WATER SYSTEM: FAUQUIER WSA - NEW BALTIMORE

SOURCE: WELL E-1

OTHER INFORMATION: NEW WELL

REPORT RESULTS TO HEALTH OFFICIAL AT:

Name: VALLEY DRILLING CORP. OF VA.

Address: 9172 JOHN S. MOSBY HWY.

City: UPPERVILLE, VA 22176

Code: 703/592-8288

Health Dept.

Water Quality Report

METALS BB

WSE 50

Commonwealth of Virginia
Department of Health
Division of Water Programs
Bureau of Water Supply Engineering

REGION: ☐ Abingdon ☑ Culpeper ☐ Danville ☐ Lexington ☐ Richmond ☐ Virginia Beach ☐

PLANNING DISTRICT#

SAMPLING LOCATION: @ WELL TAP

COUNTY: FAUQUIER

INDEPENDENT CITY: WARRENTON

CODE: 7-9

SOURCE TYPE: ☑ Public-Community ☐ Public-Noncommunity

FIELD TESTS: Temp: pH: Cl_2: mg/L Alk: mg/L CO_2 mg/L Hard.: mg/L

P.W.S.I.D.#: 6061318 (10-16)

TRANSACTION CODE: Ø3 (17-18)

455738

DATE COLLECTED: Mo 9 Day 1 Yr 94 (19-24)

TIME: 1000 (25-28)

COLLECTED BY: VDC - RS

CONTAINER TYPE: ☐ Glass ☑ Plastic

PRESERVATIVE USED: ☐ None ☑ Ice ☐ Other ☐ Nitric Acid

SAMPLE TYPE: D ☐ Reg. Dist. P ☐ Plant Tap R ☑ Raw Water C ☐ Check M ☐ MCL Check ☐ Other (29)

DATE REC:

DATE REP:

94 SEP 1 PM 12:41 UR. OF CHEMISTRY

SAMPLE NUMBER : 55738 DCLS : BUREAU OF CHEMISTRY

CONT.I.D.	CONTAMINANT NAME (Maximum Allowable Level)		MTD	S	ANALYSIS RESULTS UG/ML
1005	Arsenic	0.05	125		< 0.010
1010	Barium	1.0	108		0.02
1015	Cadmium	0.010	125		< 0.0025
1020	Chromium	0.05	125		< 0.010
1030	Lead	0.05	125		< 0.005
1035	Mercury	0.002	106		< 0.0003
1045	Selenium	0.01	125		< 0.005
1050	Silver	0.05	125		< 0.010
1002	Aluminum		108		< 0.1
1016	Calcium		108		35
1028	Iron	0.30	108		0.1
1031	Magnesium		108		6
1032	Manganese	0.05	108		0.07
1051	Strontium		108		0.34
1095	Zinc	5.0	108		0.01
1022	Copper	1.0	108		0.01
1042	Potassium		108		3
1052	Sodium	20.	108		9
1036	Nickel		108		< 0.01
	Thallium		125		< 0.005
1919	Calcium Hardness		108		88
1918	Magnesium Hardness		136		23
1013	Ca & Mg Hardness		136		110
1015	Total Hardness***		136		110
1004	Antimony		125		< 0.010
1036	Beryllium		108		< 0.005

DATE REPORTED : 26-Sep-94

ANALYST : LOIS THACKER

LAB #: (1-6)

NAME OF WATER SYSTEM: FAUQUIER WSA - NEW BALTIMORE

SOURCE: WELL E-1

OTHER INFORMATION: DAILY/MONTHLY

REPORT RESULTS TO HEALTH OFFICIAL AT:
Name: VDH-OEC OF WATER PRG
Address: 400 S. MAIN ST., 2nd FL.
City: CULPEPER, VA. 22701
Code: (703) 829-7340

Water Quality Report

VOLATILE ORGANICS BB

WSE50

Commonwealth of Virginia
Department of Health
Division of Water Programs
Bureau of Water Supply Engineering

REGION: ☐ Abingdon ☐ Danville ☐ Richmond ☐ Local Health Dept.
☑ Culpeper ☐ Lexington ☐ Virginia Beach ☐

PLANNING DISTRICT #:

SAMPLING LOCATION: @ WELL TAP

COUNTY: FAUQUIER

CODE: (29)

INDEPENDENT CITY: WARRENTON

SOURCE TYPE:
☑ Public-Community
☐ Public-Noncommunity

FIELD TESTS: Temp: pH: Cl_2: mg/L Alk: mg/L CO_2: mg/L Hard.: mg/L

P.W.S.I.D. #: 6 0 6 / 3 / 8 (10-15)

TRANSACTION CODE: A 3 (17-18)

94 SEP -1 PM 12:41

DATE COLLECTED: Mo 9 Day 1 Yr 94 (19-24)

TIME: 1000 (25-28)

COLLECTED BY: DAS - VDH

CONTAINER TYPE:
☑ Glass
☐ Plastic

PRESERVATIVE USED:
☐ None
☑ Ice
☐ Other
☐ Nitric Acid

SAMPLE TYPE:
D ☐ Reg Dist.
P ☐ Plant Tap
R ☑ Raw Water
C ☐ Check
M ☐ MCL Check
S ☐ Other
(29)

DATE REC: 9/13
DATE REP: 9/13

CONT. I.D. (30-33)	CONTAMINANT NAME (Maximum Allowable Level)	MTD. (39-41)	S (42)	ANALYSIS RESULTS (43-50)	PRECISION (51-53)	ANALYSIS DATE Mo Day Yr (54-59)	A*
2900	Regulated VOCs	524	<	0.0005	±	9 11 94	IRP
2990	Benzene 0.005	524		0.0	±		
2976	Vinyl Chloride 0.002	524		0.0	±		
2982	Carbon Tetrachloride 0.005	524		0.0	±		
2980	1,2-Dichloroethane 0.005	524		0.0	±		
2984	Trichloroethylene 0.005	524		0.0	±		
2977	1,1-Dichloroethylene 0.007	524		0.0	±		
2981	1,1,1-Trichloroethane 0.20	524		0.0	±		
2969	p-Dichlorobenzene 0.375	524		0.0	±		
	c-1,2-dichloroethene 0.07	524		0.0	±		
	1,2-dichloropropane 0.005	524		0.0	±		
	ethylbenzene 0.7	524		0.0	±		
	chlorobenzene 0.1	524		0.0	±		
	o-dichlorobenzene 0.6	524		0.0	±		
	styrene 0.1	524		0.0	±		
	tetrachloroethene 0.005	524		0.0	±		
	toluene 1.	524		0.0	±		
	t-1,2-dichloroethene .1	524		0.0	±		
	total xylenes 10.	524	↓	0.0	±	SEP 1994 RECEIVED Bureau of Water Supply Programs Office	
					±		
2200	UNREGULATED VOCs	524	<	0.0005	±		
					±		
					±		
					±		
					±		
					±		
					±		
	QA/QC						

LAB I.D. (34-38)

PREPARED BY:

The results on this report are expressed in mg/L unless otherwise indicated. *A = analyst's initials

RECEIVED SEP 2 1994

455740

94 SEP -1 PM 12:41

BUR. OF WATER SUPPLY

LAB #: 1-6

NAME OF WATER SYSTEM: FAUQUIER WSA-NEW BALTIMORE

SOURCE: WELL CE-1

OTHER INFORMATION: NEW WELL

REPORT RESULTS TO HEALTH OFFICIAL AT:
Name: VALLEY DRILLING CORP. OF VA.
Addr: 9172 JOHN S. MOSBY HWY.
City: UPPERVILLE, VA. 22176
703/592-3239

Water Quality Report

BB

PESTICIDE

WSE 50

Commonwealth of Virginia
Department of Health
Division of Water Programs
Bureau of Water Supply Engineering

REGION: ☐ Abingdon ☐ Danville ☐ Richmond ☐ Local Health Dept.
☑ Culpeper ☐ Lexington ☐ Virginia Beach ☐

PLANNING DISTRICT#

SAMPLING LOCATION: @WELL TAP

SOURCE TYPE: ☑ Public-Community ☐ Public-Noncommunity

COUNTY: FAUQUIER

CODE: 7-9

INDEPENDENT CITY: WARRENTON

FIELD TESTS: Temp: Cl2: mg/L CO2 mg/L
pH: Alk: mg/L Hard.: mg/L

P.W.S.I.D. #: 6 0 6 1 3 1 8 (10-16)

TRANSACTION CODE: 0 3 (17-18)

DATE COLLECTED: Mo 9 Day 1 Yr 94 (19-24)

TIME: 1600 (25-28)

COLLECTED BY: VDC - RS.

CONTAINER TYPE: ☑ Glass ☐ Plastic

PRESERVATIVE USED: ☐ None ☑ Ice ☐ Other ☐ Nitric Acid

SAMPLE TYPE: D ☐ Reg. Dist. P ☐ Plant Tap R ☑ Raw Water C ☐ Check M ☐ MCL Check ☐ Other (29)

CONT. I.D. (30-33)	CONTAMINANT NAME (Maximum Allowable Level)		MTD. (39-41)	S	ANALYSIS RESULTS (43-50)	PRECISION (51-53)	ANALYSIS DATE Mo Day Yr (54-59)	A*
2005	Endrin	0.0002	201	<	00004	±	09 16 94	Hmm
2010	Lindane	0.004	201	<	0001	±	09 16 94	Hmm
2015	Methoxychlor	0.1	201	<	0002	±	09 16 94	Hmm
2020	Toxaphene	0.005	201	<	0005	±	09 16 94	Hmm
2105	2,4-D	0.1	206	<	0003	±	09 16 94	Hmm
2110	2,4,5-TP (Silvex)	0.01	206	<	0001	±	09 16 94	Hmm

LAB I.D. 0 2 0 0 0 (34-38)

DATE REC: 9-1

DATE REP: 9-16-94

PREPARED BY: Hazel Marshall

The results on this report are expressed in mg/L unless otherwise indicated. *A = analyst's initials

LAB #: 1-6

NAME OF WATER SYSTEM: FAUQUIER WSA-NEW BALTIMORE
SOURCE: WELL E-1
OTHER INFORMATION: NEW WELL

REPORT RESULTS TO HEALTH OFFICIAL AT:
Name: VALLEY DRILLING CO.
Address: 9172 JOHN S. MOSBY
City: UPPERVILLE, VA 2217
Zip Code: 703/592-3239

Water Quality Report

RADIOLOGICAL BB

WSE 50

Commonwealth of Virginia
Department of Health
Division of Water Programs
Bureau of Water Supply Engineering

REGION: ☐ Abingdon ☑ Culpeper ☐ Danville ☐ Lexington ☐ Richmond ☐ Virginia Beach ☐ Local Health Dept. ☐

PLANNING DISTRICT#
COUNTY: FAUQUIER
INDEPENDENT CITY: WARRENTON
SAMPLING LOCATION: @ well tap
CODE: 7-9
SOURCE TYPE: ☑ Public-Community ☐ Public-Noncommunity

FIELD TESTS: Temp: pH: Cl_2: mg/L Alk: mg/L CO_2 mg/L Hard.: mg/L

P.W.S.I.D. #: 6061318 (10-16)
TRANSACTION CODE: Ø3 (17-18)

DATE COLLECTED: Mo 9 Day 1 Yr 94 (19-24)

TIME: 1000 (25-28)

COLLECTED BY: V.D.C. - RS.

CONTAINER TYPE: ☐ Glass ☑ Plastic

PRESERVATIVE USED: ☑ None ☐ Ice ☐ Other ☐ Nitric Acid

SAMPLE TYPE: D ☐ Reg. Dist. P ☐ Plant Tap R ☑ Raw Water C ☐ Check M ☐ MCL Check S ☐ Other (29)

CONT. I.D.	CONTAMINANT NAME (Maximum Allowable Level)	MTD.	S	ANALYSIS RESULTS	PRECISION	ANALYSIS DATE Mo Day Yr	A*
4000	Gross Alpha 5 pCi/L	419		Ø Ø 112 Ø Ø	± Ø 18	9 4 94	SD
4010	Gross Radium (Alpha)	420		Ø Ø Ø Ø	± Ø		
4020	Radium-226	421		Ø Ø 31 Ø Ø	± Ø 02	9 29 94	SD
4030	Radium-228	422		Ø Ø 21 Ø Ø	± Ø 13	9 19 94	SD
4100	Gross Beta 50 pCi/L	419		Ø Ø 97 Ø Ø	± Ø 13	9 4 94	SD
4006	Uranium			Ø Ø Ø Ø	± Ø		
4102	Tritium				±		
30-33	LAB I.D. 0 1 0 0 0 34-38	39-41	42	43-50	51-53	54-59	

DATE REC: SEP 1 1994
DATE REP: SEP 30 1994

PREPARED BY: S Dugas KL

The results on this report are expressed in pCi/L unless otherwise indicated. *A = analyst's initials

RECEIVED OCT 17 1994 94 SEP -1 PM 12:41 BUR. OF CHEMISTRY 455739

NITON® corporation

RECEIVED SEP 1 2 1994

ENVIRONMENTAL RESEARCH AND MEASUREMENT PRODUCTS FOR RADON AND LEAD

September 7, 1994

EMERY & GARRETT GRNDWTR
170 WAUKEWAN STREET
MEREDITH, NH 03253

SITE ADDRESS:
NEW BALTIMORE, VA 22186

Thank you for choosing NITON for your radon testing.

Your radon test results are listed by vial number in the space below. These radon results are strictly confidential, though some state laws require reporting (by zip code only in New England).

VIAL NUMBER	TEST LOCATION	TEST BEGIN	RADON CONCENTRATION
727567	WELL E-7	09/01/94	450 pCi/L
727506	WELL E-6	09/02/94	1700 pCi/L
727552	WELL E-1	09/02/94	4100 pCi/L

Radon-laden water can be a source of elevated levels of radon in indoor air, as radon gas escapes from the water into the air. The U.S. E.P.A. is currently setting guidelines for public water systems but has not set guidelines for acceptable levels of radon in private wells. Various states, including Massachusetts, Maine and New Hampshire, have set action guidelines of 10,000 to 20,000 pCi/L.

On average, 10,000 picoCuries of radon in a liter of water contributes about 1 pCi/L of radon to indoor air of a house. Thus, a level of 20,000 picoCuries in the water could result in adding 2 pCi/L to the level of radon in air. A level of 4,800 pCi/L in water could add .48 pCi/L to the air.

Additional information on radon in water may be found enclosed.

Our testing laboratory techniques have consistently passed the U.S. Environmental Protection Agency Proficiency Tests. No commercially available radon tests are more precise. If test instructions were followed, you can be confident that these results are accurate measures of the radon levels at the time the tests were done. Radon levels may fluctuate over time. NOTE: NITON IS NOT RESPONSIBLE FOR INACCURACIES CAUSED BY IMPROPER USE OF THE DETECTORS, INCORRECT OR INCOMPLETE TEST INFORMATION, OR DAMAGE TO THE DETECTORS IN TRANSIT.

P.O.Box 368 • Bedford, MA 01730-0368 • Telephone: 617-275-9275 • Fax: 617-275-2397

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BACTERIOLOGICAL ANALYSIS INPUT FORM

DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	LAB ANALYSIS - RESULT	DATE COMPLETED MO.	DAY	YR
6061318	05		Coliform	CPN	[ ] COLIFORM ABSENT [ ] COLIFORM PRESENT [ ] COLLECT REPEATS	09	03	94

IS SUPPLY CHLORINATED? YES [ ] NO [✓] RLS CL _____ PPM

< 2

L412400

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO	DAY	YR	SAMPLE TYPE	TIME	COLLECTED BY: U.D.C. D.R.
	Faquier WSA New Baltimore Well E-1	9	1	94	[ ]	0200	

LAB ID.	LABORATORY NAME/ANALYST
0100	[redacted]

PUBLIC WATER SYSTEM NAME AND ADDRESS

Valley Drilling Corporation of Virginia
9172 John S. Mosby Highway
Upperville, VA 22176

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

UNSATISFACTORY: PLEASE RESAMPLE

DCLS LAB USE ONLY

[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER _____

BACTERIOLOGICAL ANALYSIS INPUT FORM

DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	LAB ANALYSIS - RESULT	DATE COMPLETED MO.	DAY	YR
6061318	05		Coliform	CPN	[ ] COLIFORM ABSENT [ ] COLIFORM PRESENT [ ] COLLECT REPEATS	09	03	94

IS SUPPLY CHLORINATED? YES [ ] NO [✓] RLS CL _____ PPM

< 2

L412399

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO	DAY	YR	SAMPLE TYPE	TIME	COLLECTED BY: U.D.C. D.R.
	Faquier WSA New Baltimore Well E-1	9	1	94	[ ]	0300	

LAB ID.	LABORATORY NAME/ANALYST
0100	[redacted]

PUBLIC WATER SYSTEM NAME AND ADDRESS

Valley Drilling Corporation of Virginia
9172 John S. Mosby Highway
Upperville, VA 22176

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

UNSATISFACTORY: PLEASE RESAMPLE

DCLS LAB USE ONLY

[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER _____

BACTERIOLOGICAL ANALYSIS INPUT FORM

DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	LAB ANALYSIS - RESULT	DATE COMPLETED MO.	DAY	YR
6061318	05		Coliform	CPN	[ ] COLIFORM ABSENT [ ] COLIFORM PRESENT [ ] COLLECT REPEATS	09	03	94

IS SUPPLY CHLORINATED? YES [ ] NO [✓] RLS CL _____ PPM

< 2

L412398

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO	DAY	YR	SAMPLE TYPE	TIME	COLLECTED BY: U.D.C. - D.R.
	Faquier WSA New Baltimore Well E-1	9	1	94	[ ]	0800	

LAB ID.	LABORATORY NAME/ANALYST
0100	[redacted]

PUBLIC WATER SYSTEM NAME AND ADDRESS

Valley Drilling Corporation of Virginia
9172 John S. Mosby Highway
Upperville, VA 22176

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

UNSATISFACTORY: PLEASE RESAMPLE

DCLS LAB USE ONLY

[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE

BACTERIOLOGICAL ANALYSIS INPUT FORM — DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD		DATE COMPLETED MO.	DAY	YR
6061318	05		Coliform	CPN	[ ] COLIFORM ABSENT [ ] COLIFORM PRESENT COLLECT REPEATS	09	03	94

CHLORINATED? YES [ ] NO [X] RLS CL < 2 PPM — L412403

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO	DAY	YR	SAMPLE TYPE	TIME	COLLECTED BY: V.D.C. D.R.
0008	Fauquier WSA New Baltimore Well E-1	9	1	94		0100	LAB ID. 0100 — LABORATORY NAME/ANALYST

PUBLIC WATER SYSTEM NAME AND ADDRESS
Valley Drilling Corporation of Virginia
9172 John S. Mosby Highway
Upperville, VA 22176

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

UNSATISFACTORY: PLEASE RESAMPLE — DCLS LAB USE ONLY
[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWS/D
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER

BACTERIOLOGICAL ANALYSIS INPUT FORM — DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD		DATE COMPLETED MO.	DAY	YR
6061318	05		Coliform	CPN	[ ] COLIFORM ABSENT [ ] COLIFORM PRESENT COLLECT REPEATS	09	03	94

CHLORINATED? YES [ ] NO [X] RLS CL < 2 PPM — L412402

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO	DAY	YR	SAMPLE TYPE	TIME	COLLECTED BY: V.D.C. D.R.
0008	Fauquier WSA New Baltimore Well E-1	9	1	94		0700	LAB ID. 0100 — LABORATORY NAME/ANALYST

PUBLIC WATER SYSTEM NAME AND ADDRESS
Valley Drilling Corporation of Virginia
9172 John S. Mosby Highway
Upperville, VA 22176

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

UNSATISFACTORY: PLEASE RESAMPLE — DCLS LAB USE ONLY
[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWS/D
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER

BACTERIOLOGICAL ANALYSIS INPUT FORM — DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD		DATE COMPLETED MO.	DAY	YR
6061318	05		Coliform	CPN	[ ] COLIFORM ABSENT [ ] COLIFORM PRESENT COLLECT REPEATS	09	03	94

CHLORINATED? YES [ ] NO [X] RLS CL < 2 PPM — L412401

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO	DAY	YR	SAMPLE TYPE	TIME	COLLECTED BY: V.D.C. D.R.
	Fauquier WSA New Baltimore Well E-1	9	1	94		0500	LAB ID. 0100 — LABORATORY NAME/ANALYST

PUBLIC WATER SYSTEM NAME AND ADDRESS
Valley Drilling Corporation of Virginia
9172 John S. Mosby Highway
Upperville, VA 22176

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

UNSATISFACTORY: PLEASE RESAMPLE — DCLS LAB USE ONLY
[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWS/D
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE

BACTERIOLOGICAL ANALYSIS INPUT FORM — DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	LAB ANALYSIS - RESULT	DATE COMPLETED MO.	DAY	YR
6061318	05		Coliform	CPN	[ ] COLIFORM ABSENT [ ] COLIFORM PRESENT COLLECT REPEATS	09	03	94

CHLORINATED? YES [ ] NO [X] RLS CL _____ PPM

< 2 L412406

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO	DAY	YR	SAMPLE TYPE	TIME	COLLECTED BY: V.D.C. D.R.
	Fauquier WSA New Baltimore Well E-1	9	1	94		0400	LAB ID: 0100 LABORATORY NAME/ANALYST: JM

PUBLIC WATER SYSTEM NAME AND ADDRESS

Valley Drilling Corporation of Virginia
9172 John S. Mosby Highway
Upperville, VA 22176

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

UNSATISFACTORY: PLEASE RESAMPLE — DCLS LAB USE ONLY
[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER _____

BACTERIOLOGICAL ANALYSIS INPUT FORM — DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	LAB ANALYSIS - RESULT	DATE COMPLETED MO.	DAY	YR
6061318	05		Coliform	CPN	[ ] COLIFORM ABSENT [ ] COLIFORM PRESENT COLLECT REPEATS	09	03	94

CHLORINATED? YES [ ] NO [X] RLS CL _____ PPM

< 2 L412405

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO	DAY	YR	SAMPLE TYPE	TIME	COLLECTED BY: V.D.C. -DR.
	Fauquier WSA New Baltimore E-1	9	1	94		0900	LAB ID: 0100 LABORATORY NAME/ANALYST: JM

PUBLIC WATER SYSTEM NAME AND ADDRESS

Valley Drilling Corporation of Virginia
9172 John S. Mosby Highway
Upperville, VA 22176

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

UNSATISFACTORY: PLEASE RESAMPLE — DCLS LAB USE ONLY
[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER _____

BACTERIOLOGICAL ANALYSIS INPUT FORM — DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	LAB ANALYSIS - RESULT	DATE COMPLETED MO.	DAY	YR
6061318	05		Coliform	CPN	[ ] COLIFORM ABSENT [ ] COLIFORM PRESENT COLLECT REPEATS	09	03	94

CHLORINATED? YES [ ] NO [X] RLS CL _____ PPM

< 2 L412404

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO	DAY	YR	SAMPLE TYPE	TIME	COLLECTED BY: V.D.C.-D.R.
	Fauquier WSA New Baltimore Well E-1	9	1	94		0600	LAB ID: 0100 LABORATORY NAME/ANALYST: JM

PUBLIC WATER SYSTEM NAME AND ADDRESS

Valley Drilling Corporation of Virginia
9172 John S. Mosby Highway
Upperville, VA 22176

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

UNSATISFACTORY: PLEASE RESAMPLE — DCLS LAB USE ONLY
[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE

WATER CHEMISTRY DURING PUMPING TEST
PRODUCTION WELL E-6

Emery & Garrett Groundwater, Inc.

DATE COLLECTED	DATE RECEIVED	DATE COMPLETED	SAMPLE CODE
08/30/94	09/01/94	09/13/94	9690043

NATIONAL TESTING LABORATORIES INC.
6555 Wilson Mills Road
Cleveland, OH 44143
(216) 449-2525

CUSTOMER ADDRESS

NEW BALTIMORE
WELL E-6
2ND DAY P.T.

RECEIVED SEP 19 1994

DEALER ADDRESS

EMERY & GARRETT GROUNDWTR
170 WAUKEWAN ST
MEREDITH, NH 03253-

DRINKING WATER ANALYSIS RESULTS

NOTE: "*" indicates that the MCL (Maximum Contaminant Level) has been exceeded, or in the case of pH is either too high OR too low.
"ND" indicates that none of this contaminant has been detected at or above our detection level.
"**" Result may be invalid due to lack of "Time Collected" or because the sample has exceeded the 30-hour time frame.
"BD" Bacteria destroyed due to lack of collection information or because the sample has exceeded the 48-hour time frame.
TNTC-Too Numerous To Count NBS-No Bacteria Submitted

Analysis performed	MCL (mg/l)	Detection Level	Level Detected
Microbiological:			
Total coliform (organism/100ml)	0	0	BD
Inorganic chemicals - metals:			
Aluminum	0.2	0.1	ND
Arsenic	0.05	0.010	ND
Barium	2.0	0.30	ND
Cadmium	0.005	0.002	ND
Chromium	0.1	0.004	ND
Copper	1.3	0.004	ND
Iron	0.3	0.020	1.0*
Lead	0.015	0.002	ND
Manganese	0.05	0.004	0.10*
Mercury	0.002	0.001	ND
Nickel	0.1	0.02	ND
Selenium	0.05	0.002	ND
Silver	0.1	0.002	ND
Sodium	---	1.0	4.9
Zinc	5.0	0.004	0.027
Inorganic chemicals - other, and physical factors:			
Alkalinity (Total as CaCO3)	---	10.0	100
Chloride	250	5.0	ND
Fluoride	4.0	0.5	ND
Nitrate as N	10	0.5	ND
Nitrite as N	1.0	0.5	ND
Sulfate	250	5.0	9
Hardness (suggested limit = 100)		10.0	120*
pH (Standard Units)	6.5-8.5	---	7.2
Total Dissolved Solids	500	20.0	123
Turbidity (Turbidity Units)	1.0	0.1	3.0*
Organic chemicals - trihalomethanes:			
Bromoform		0.004	ND
Bromodichloromethane		0.002	ND
Chloroform		0.002	ND
Dibromochloromethane		0.004	ND
Total THMs (sum of four above)	0.1	0.002	ND
Organic chemicals - volatiles:			
Benzene	0.005	0.001	ND
Vinyl Chloride	0.002	0.001	ND
Carbon Tetrachloride	0.005	0.001	ND
1,2-Dichloroethane	0.005	0.001	ND

Analysis performed	MCL (mg/l)	Detection Level	Level Detected
Trichloroethylene	0.005	0.001	ND
1,4-Dichlorobenzene	0.075	0.001	ND
1,1-Dichloroethylene	0.007	0.001	ND
1,1,1,-Trichloroethane	0.20	0.001	ND
Bromobenzene	---	0.002	ND
Bromomethane	---	0.002	ND
Chlorobenzene	0.1	0.001	ND
Chloroethane	---	0.002	ND
Chloromethane	---	0.002	ND
2-Chlorotoluene	---	0.001	ND
4-Chlorotoluene	---	0.001	ND
Dibromochloropropane (DBCP)	---	0.001	ND
Dibromomethane	---	0.002	ND
1,2-Dichlorobenzene	0.6	0.001	ND
1,3-Dichlorobenzene	---	0.001	ND
Dichlorodifluoromethane	---	0.002	ND
1,1-Dichloroethane	---	0.002	ND
Trans-1,2-Dichloroethylene	0.1	0.002	ND
cis-1,2-Dichloroethylene	0.07	0.002	ND
Dichloromethane	0.005	0.002	ND
1,2-Dichloropropane	0.005	0.002	ND
trans-1,3-Dichloropropene	---	0.002	ND
1,3-Dichloropropene	---	0.002	ND
2,2-Dichloropropane	---	0.002	ND
1,1-Dichloropropene	---	0.002	ND
1,3-Dichloropropane	---	0.002	ND
Ethylbenzene	0.7	0.001	ND
Ethylenedibromide (EDB)	---	0.001	ND
Styrene	0.1	0.001	ND
1,1,1,2-Tetrachloroethane	---	0.002	ND
1,1,2,2-Tetrachloroethane	---	0.002	ND
Tetrachloroethylene (PCE)	0.005	0.002	ND
1,2,4-Trichlorobenzene	---	0.002	ND
1,2,3-Trichlorobenzene	---	0.002	ND
1,1,2-Trichloroethane	0.005	0.002	ND
Trichlorofluoromethane	---	0.002	ND
1,2,3-Trichloropropane	---	0.002	ND
Toluene	1.0	0.001	ND
Xylene	10	0.001	ND
Organic chemicals - pesticides, herbicides & PCBs			
Alachlor	0.002	0.001	ND
Atrazine	0.003	0.002	ND
Chlordane	0.002	0.001	ND
Aldrin	---	0.002	ND
Dichloran	---	0.002	ND
Dieldren	---	0.001	ND
Endrin	0.002	0.0001	ND
Heptachlor	0.0004	0.0004	ND
Heptachlor Epoxide	0.0002	0.0001	ND
Hexachlorobenzene	0.001	0.0005	ND
Hexachlorocyclopentadiene	0.05	0.001	ND
Lindane	0.0002	0.0002	ND
Methoxychlor	0.04	0.002	ND
PCBs	0.0005	0.0005	ND
Pentachloronitrobenzene	---	0.002	ND
Silvex 2,4,5-TP	0.05	0.005	ND
Simazine	0.004	0.002	ND
Toxaphene	0.003	0.001	ND
Trifluralin	---	0.002	ND
2,4-D	0.07	0.010	ND

I certify that the analyses performed for this report are accurate, and that the laboratory tests were conducted by methods approved by the U.S. Environmental Protection Agency or variations of these EPA methods.

These test results are intended to be used for informational purposes only and may not be used for regulatory compliance.

PRESIDENT, NATIONAL TESTING LABORATORIES, INC.

REV. 3-92

DATE COLLECTED	DATE RECEIVED	DATE COMPLETED	SAMPLE CODE
09/02/94	09/06/94	09/16/94	9690139

CUSTOMER ADDRESS
NEW BALT
WELL E-6
CONCLUSION OF PUMPING

RECEIVED SEP 2 0 1994

NATIONAL TESTING LABORATORIES INC.
6555 Wilson Mills Road
Cleveland, OH 44143
(216) 449-2525

DEALER ADDRESS
EMERY & GARRETT GROUNDWTR
170 WAUKEWAN ST
MEREDITH, NH 03253-

DRINKING WATER ANALYSIS RESULTS

NOTE: "*" indicates that the MCL (Maximum Contaminant Level) has been exceeded, or in the case of pH is either too high OR too low.
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TNTC-Too Numerous To Count NBS-No Bacteria Submitted

Analysis performed	MCL (mg/l)	Detection Level	Level Detected
Microbiological:			
Total coliform (organism/100ml)	0	0	BD
Inorganic chemicals - metals:			
Aluminum	0.2	0.1	ND
Arsenic	0.05	0.010	ND
Barium	2.0	0.30	ND
Cadmium	0.005	0.002	ND
Chromium	0.1	0.004	ND
Copper	1.3	0.004	ND
Iron	0.3	0.020	1.1*
Lead	0.015	0.002	ND
Manganese	0.05	0.004	0.094*
Mercury	0.002	0.001	ND
Nickel	0.1	0.02	ND
Selenium	0.05	0.002	ND
Silver	0.1	0.002	ND
Sodium	---	1.0	4.7
Zinc	5.0	0.004	0.034
Inorganic chemicals - other, and physical factors:			
Alkalinity (Total as CaCO3)	---	10.0	145
Chloride	250	5.0	ND
Fluoride	4.0	0.5	ND
Nitrate as N	10	0.5	ND
Nitrite as N	1.0	0.5	ND
Sulfate	250	5.0	9
Hardness (suggested limit = 100)		10.0	105*
pH (Standard Units)	6.5 8.5	---	7.6
Total Dissolved Solids	500	20.0	143
Turbidity (Turbidity Units)	1.0	0.1	4.6*
Organic chemicals - trihalomethanes:			
Bromoform	---	0.004	ND
Bromodichloromethane	---	0.002	ND
Chloroform	---	0.002	ND
Dibromochloromethane	---	0.004	ND
Total THMs (sum of four above)	0.1	0.002	ND
Organic chemicals - volatiles:			
Benzene	0.005	0.001	ND
Vinyl Chloride	0.002	0.001	ND
Carbon Tetrachloride	0.005	0.001	ND
1,2-Dichloroethane	0.005	0.001	ND

 Sample code: 9690139

Analysis performed	MCL (mg/l)	Detection Level	Level Detected
Trichloroethylene	0.005	0.001	ND
1,4-Dichlorobenzene	0.075	0.001	ND
1,1-Dichloroethylene	0.007	0.001	ND
1,1,1,-Trichloroethane	0.20	0.001	ND
Bromobenzene	---	0.002	ND
Bromomethane	---	0.002	ND
Chlorobenzene	0.1	0.001	ND
Chloroethane	---	0.002	ND
Chloromethane	---	0.002	ND
2-Chlorotoluene	---	0.001	ND
4-Chlorotoluene	---	0.001	ND
Dibromochloropropane (DBCP)	---	0.001	ND
Dibromomethane	---	0.002	ND
1,2-Dichlorobenzene	0.6	0.001	ND
1,3-Dichlorobenzene	---	0.001	ND
Dichlorodifluoromethane	---	0.002	ND
1,1-Dichloroethane	---	0.002	ND
Trans-1,2-Dichloroethylene	0.1	0.002	ND
cis-1,2-Dichloroethylene	0.07	0.002	ND
Dichloromethane	0.005	0.002	ND
1,2-Dichloropropane	0.005	0.002	ND
trans-1,3-Dichloropropene	---	0.002	ND
1,3-Dichloropropene	---	0.002	ND
2,2-Dichloropropane	---	0.002	ND
1,1-Dichloropropene	---	0.002	ND
1,3-Dichloropropane	---	0.002	ND
Ethylbenzene	0.7	0.001	ND
Ethylenedibromide (EDB)	---	0.001	ND
Styrene	0.1	0.001	ND
1,1,1,2-Tetrachloroethane	---	0.002	ND
1,1,2,2-Tetrachloroethane	---	0.002	ND
Tetrachloroethylene (PCE)	0.005	0.002	ND
1,2,4-Trichlorobenzene	---	0.002	ND
1,2,3-Trichlorobenzene	---	0.002	ND
1,1,2-Trichloroethane	0.005	0.002	ND
Trichlorofluoromethane	---	0.002	ND
1,2,3-Trichloropropane	---	0.002	ND
Toluene	1.0	0.001	ND
Xylene	10	0.001	ND
Organic chemicals - pesticides, herbicides & PCBs			
Alachlor	0.002	0.001	ND
Atrazine	0.003	0.002	ND
Chlordane	0.002	0.001	ND
Aldrin	---	0.002	ND
Dichloran	---	0.002	ND
Dieldren	---	0.001	ND
Endrin	0.002	0.0001	ND
Heptachlor	0.0004	0.0004	ND
Heptachlor Epoxide	0.0002	0.0001	ND
Hexachlorobenzene	0.001	0.0005	ND
Hexachlorocyclopentadiene	0.05	0.001	ND
Lindane	0.0002	0.0002	ND
Methoxychlor	0.04	0.002	ND
PCBs	0.0005	0.0005	ND
Pentachloronitrobenzene	---	0.002	ND
Silvex 2,4,5-TP	0.05	0.005	ND
Simazine	0.004	0.002	ND
Toxaphene	0.003	0.001	ND
Trifluralin	---	0.002	ND
2,4-D	0.07	0.010	ND

I certify that the analyses performed for this report are accurate, and that the laboratory tests were conducted by methods approved by the U.S. Environmental Protection Agency or variations of these EPA methods.

These test results are intended to be used for informational purposes only and may not be used for regulatory compliance.

PRESIDENT, NATIONAL TESTING LABORATORIES, INC.

REV. 3-92

LAB #: 1-6

NAME OF WATER SYSTEM: FAUQUIER WSA - NEW BALTIMORE
SOURCE: WELL E-6
OTHER INFORMATION: NEW WELL

REPORT RESULTS TO HEALTH OFFICIAL AT:
Name: VALLEY DRILLING CORP. OF VA.
Address: 9172 JOHN S. MOSBY HWY.
City: UPPERVILLE State: VA Zip Code: 22176
703/592-3230

Water Quality Report

INORGANIC

WSE 50

BB

Commonwealth of Virginia
Department of Health
Division of Water Programs
Bureau of Water Supply Engineering

REGION: ☐ Abingdon ☐ Danville ☐ Richmond ☐ Health Dept.
☑ Culpeper ☐ Lexington ☐ Virginia Beach ☐

PLANNING DISTRICT#
COUNTY: FAUQUIER
INDEPENDENT CITY: WARRENTON
SAMPLING LOCATION: @ WELL TAP
CODE: 7-9

SOURCE TYPE:
☑ Public-Community
☐ Public-Noncommunity

FIELD TESTS: Temp: pH: Cl_2: mg/L Alk: mg/L CO_2 mg/L Hard.: mg/L

P.W.S.I.D. #: 6 0 6 1 3 1 8 (10-16)

TRANSACTION CODE: 0 3 (17-18)

DATE COLLECTED: Mo 9 Day 1 Yr 94 (19-24)

TIME: 1000 (25-28)

COLLECTED BY: VDC - DWS

CONTAINER TYPE:
☐ Glass
☑ Plastic

PRESERVATIVE USED:
☐ None
☑ Ice
☐ Other

SAMPLE TYPE: (29)
D ☐ Reg. Dist.
P ☐ Plant Tap
R ☑ Raw Water
C ☐ Check
M ☐ MCL Check
S ☐ Other

DATE REC:
DATE REP: 9-30-94

CONT. I.D. (30-33)	CONTAMINANT NAME (Maximum Allowable Level)	MTD. (39-41)	S (42)	ANALYSIS RESULTS (43-50)	PRECISION (51-53)	ANALYSIS DATE Mo Day Yr (54-59)	A*
1925	pH (6.5-8.5)	135		0 0 7 2 0 0 0	±	09 01 94	
1927	Alkalinity-Total	157		0 9 9 7 0 0 0	±		
1928	Alkalinity-Bicarbonate	157		0 9 9 7 0 0 0	±		
1929	Alkalinity-Carbonate	157		0 0 0 0 0 0 0	±		
1915	Hardness-EDTA	141		0 0 0 0 0 0 0	±		
1932	Acidity	157		0 0 0 0 0 0 0	±		
1910	Corrosion Index	136		0 0 1 1 0 9 0 0	±		
1025	Fluoride 1.8	107	<	0 0 0 1 0 0 0	±	09 06 94	CM
1017	Chloride 250.	107		0 0 0 2 2 0 0 0	±	09 28 94	CE
1905	Color (APHA) 15 CU	129		0 0 1 2 0 0 0 0	±	09 06 94	CE
0100	Turbidity (FTU) 1.0	001		0 0 0 6 0 0 0 0	±	09 01 94	
1027	Hydrogen Sulfide 0.05	155	<	0 0 0 0 0 3 0 0	±	09 01 94	
1005	Sulfate 250.	137		0 0 0 8 5 0 0 0	±	09 28 94	CE
1040	Nitrogen-Nitrate 10.0	163		0 0 0 0 0 0 0 0	±		
1039	Nitrogen-Ammonia	147	<	0 0 0 0 0 4 0 0	±	09 02 94	PS
1038	Nitrogen-Nitrite	163		0 0 0 0 0 0 0 0	±		
1041	Nitrogen-Total Kjeldahl	175		0 0 0 0 0 0 0 0	±		
1043	Phosphate-Total (As P)	162		0 0 0 0 0 0 0 0	±		
1044	Phosphate-Ortho (As P)	162	<	0 0 0 0 0 0 0 0	±	09 28 94	CE
1926	Specific Conductance (u mhos/cm)	145		0 2 1 2 0 0 0 0	±	09 01 94	BC
1930	Total Dissolved Solids (185°C)	139		0 1 4 5 0 0 0 0	±	09 13 94	BC
1058	Volatile (550°C)	139		0 0 2 2 0 0 0 0	±		
1059	Fixed (550°C)	139		0 0 1 2 3 0 0 0	±		
1009	Silica (as SiO_2)	143		0 0 0 2 9 0 0 0	±	09 12 94	FM
1997	Langlier Index 15°C	136	—	0 0 0 0 9 3 9 0	±		
					±		
					±		
	LAB I.D. 0 1 0 0 0 (34-38)						

PREPARED BY: B. O'Neal

The results on this report are expressed in mg/L unless otherwise indicated. *A = analyst's initials

RECEIVED OCT 17 1994

4557142

455743

94 SEP -1 PM 12:41

LAB

NAME OF WATER SYSTEM: FAUQUIER WSA - NEW BALTIMORE

SOURCE: WELL E-6

OTHER INFORMATION: NEW WELL

REPORT RESULTS TO HEALTH OFFICIAL AT:
Name: VALLEY DRILLING CORP.
Address: 9172 JOHN S. MOSBY HWY.
City: UPPERVILLE, VA 22176
Zip Code
703/592-3239

Water Quality Report

NITRATE-N NITRITE-N HARDNESS BB

WSE 50

Commonwealth of Virginia
Department of Health
Division of Water Programs
Bureau of Water Supply Engineering

REGION: ☐ Abingdon ☐ Danville ☐ Richmond ☐ Local Health Dept.
☑ Culpeper ☐ Lexington ☐ Winchester ☐

PLANNING DISTRICT #: SAMPLING LOCATION: @ WELL HEAD

SOURCE TYPE: ☑ Public-Community ☐ Public-Noncommunity

COUNTY: FAUQUIER CODE: 7-9

INDEPENDENT CITY: WARRENTON

FIELD TESTS: Temp: Cl2 mg/L CO2 mg/L
pH: Alk: mg/L Hard.: mg/L

P.W.S.I.D. #: 6061318 (10-16) TRANSACTION CODE: Ø3 (17-18)

DATE COLLECTED: Mo 9 Day 1 Yr 94 (19-24)

TIME: AM 1000 (25-28)

COLLECTED BY: VDC DWS

CONTAINER TYPE: ☐ Glass ☑ Plastic

PRESERVATIVE USED: ☐ None ☑ Ice ☐ Other ☐ Nitric Acid ☑ Sulfuric Acid

SAMPLE TYPE: ☐ Reg. Dist. ☐ Plant Tap ☑ Raw Water ☐ Check ☐ MCL Check ☐ Other

DATE REC:

DATE REP: 09-30-94

CONT. I.D.	CONTAMINANT NAME (Maximum Allowable Level)	MTD.	S	ANALYSIS RESULTS	PRECISION	ANALYSIS DATE Mo Day Yr	A*
	Nitrate-Nitrogen		<	0.05	±	09 28 94	CF
	Nitrite-Nitrogen		<	0.05	±	/ / /	/
	Hardness (Total)			120	±		
	Hardness, Calcium			78	±		

LAB I.D. (30-33) (34-38) (39-41) (43-50) (51-53) (54-59)

PREPARED BY: [signature]

The results on this report are expressed in mg/L unless otherwise indicated. *A = analyst's initials

RECEIVED OCT - 3 1994

LAB #: 1 [ ] [ ] [ ] [ ] [ ] [ ] 6

OF RSY: FAUQUIER WSA - NEW BALTIMORE

SOURCE: WELL E-6

OTHER INFORMATION: NEW WELL

REPORT RESULTS TO HEALTH OFFICIAL AT:
Name: VALLEY DRILLING CORP. C.
Address: 9172 JOHN S. MOSBY HWY.
City: UPPERVILLE, VA 22176
703/592-3299 Health Dept.

Water Quality Report BB

METALS

WSE 50

Commonwealth of Virginia
Department of Health
Division of Water Programs
Bureau of Water Supply Engineering

REGION: ☐ Abingdon ☐ Danville ☐ Richmond ☑ Culpeper ☐ Lexington ☐ Winchester ☐

PLANNING DISTRICT#

COUNTY: FAUQUIER

SAMPLING LOCATION: @WELL HEAD

INDEPENDENT CITY: WARRENTON

CODE: [ ] [ ] [ ] 7-9

SOURCE TYPE:
☑ Public-Community
☐ Public-Noncommunity

FIELD TESTS: Temp: pH: Cl2: mg/L Alk: mg/L CO_2 mg/L Hard.: mg/L

P.W.S.I.D. #: 6 0 6 1 3 1 8 (10-16)

TRANSACTION CODE: Ø 3 (17-18)

DATE COLLECTED: Mo 9 Day 1 Yr 94 (19-24)

TIME: AM 1000 (25-28)

COLLECTED BY: VDC, DWS

CONTAINER TYPE:
☐ Glass
☑ Plastic

PRESERVATIVE USED:
☐ None
☑ Ice
☐ Other
☐ Nitric Acid

SAMPLE TYPE:
D ☐ Reg. Dist.
P ☐ Plant Tap
R ☑ Raw Water
C ☐ Check
M ☐ MCL Check
☐ Other
29

DATE REC:

DATE REP:

45574 4

94 SEP -1 PM 12:41

BUR. CHEMISTRY

SAMPLE NUMBER : 55744 DCLS : BUREAU OF CHEMISTRY

CONT.I.D.	CONTAMINANT NAME (Maximum Allowable Level)	MTD	S	ANALYSIS RESULTS UG/ML
1005	Arsenic 0.05	125		< 0.010
1010	Barium 1.0	108		< 0.01
1015	Cadmium 0.010	125		< 0.0025
1020	Chromium 0.05	125		< 0.010
1030	Lead 0.05	125		< 0.005
1035	Mercury 0.002	106		< 0.0003
1045	Selenium 0.01	125		< 0.005
1050	Silver 0.05	125		< 0.010
1002	Aluminum	108		< 0.1
1016	Calcium	108		31
1028	Iron 0.30	108		1.28
1031	Magnesium	108		4
1032	Manganese 0.05	108		0.1
1051	Strontium	108		0.13
1095	Zinc 5.0	108		0.04
1022	Copper 1.0	108		< 0.01
1042	Potassium	108		2
1052	Sodium 20.	108		6
1036	Nickel	108		< 0.01
	Thallium	125		< 0.005
1919	Calcium Hardness	108		78
1918	Magnesium Hardness	136		16
1013	Ca & Mg Hardness	136		93
1015	Total Hardness***	136		120
1004	Antimony	125		< 0.010
1036	Beryllium	108		< 0.005

DATE REPORTED : 26-Sep-94

ANALYST : LOIS THACKER

01/18/95 15:42 ☎703 347 7689 FCWSA 003/005

NAME OF WATER SYSTEM: Fauquier Wa-9 - New Baltimore

REPORT RESULTS TO HEALTH OFFICIAL AT:

SOURCE: Well E-6

OTHER INFORMATION: Developmental

Name: VDH OFC. OF WATER PRG.
Address: 400 S. MAIN ST., 2nd FL.
City: CULPEPER, VA. 22701
Phone: (703) 829-7340

Water Quality Report

VOLATILE ORGANICS

WSE 50

BB

Commonwealth of Virginia
Department of Health
Division of Water Programs
Bureau of Water Supply Engineering

REGION: ☐ Abingdon ☐ Danville ☐ Richmond ☐ Local Health Dept. ☑ Culpeper ☐ Lexington ☐ Virginia Beach ☐

PLANNING DISTRICT#

SAMPLING LOCATION: @ Well tap.

SOURCE TYPE: ☑ Public-Community ☐ Public-Noncommunity

COUNTY: Fauquier

CODE: 79

INDEPENDENT CITY: WARRENTON

FIELD TESTS: Temp: pH: Cl_2: mg/L Alk: mg/L CO_2 mg/L Hard: mg/L

P.W.S.I.D. #: 6061318 (10-16)

TRANSACTION CODE: 6 3 (17-18)

DATE COLLECTED: Mo 9 Day 1 Yr 94 (19-24)

TIME: 10:00 (25-28)

COLLECTED BY: VDC - DWS

CONTAINER TYPE: ☑ Glass ☐ Plastic

PRESERVATIVE USED: ☐ None ☑ Ice ☐ Other ☐ Nitric Acid

SAMPLE TYPE: D ☐ Reg. Dist. P ☐ Plant Tap R ☑ Raw Water C ☐ Check M ☐ MCL Check S ☐ Other (29)

DATE REC: 9/13

DATE REP:

CONT. I.D.	CONTAMINANT NAME (Maximum Allowable Level)	MTD.	S	ANALYSIS RESULTS	PRECISION	ANALYSIS DATE Mo Day Yr	A*
2900	Regulated VOCs	524	<	0000 0005	±	9 12 94	TRP
2990	Benzene 0.005	524		0000	±		
2976	Vinyl Chloride 0.002	524		0000	±		
2982	Carbon Tetrachloride 0.005	524		0000	±		
2980	1,2-Dichloroethane 0.005	524		0000	±		
2984	Trichloroethylene 0.005	524		0000	±		
2977	1,1-Dichloroethylene 0.007	524		0000	±		
2981	1,1,1-Trichloroethane 0.20	524		0000	±		
2969	p-Dichlorobenzene 0.075	524		0000	±		
	c-1,2-dichloroethene 0.07	524		0000	±		
	1,2-dichloropropane 0.005	524		0000	±		
	ethylbenzene 0.7	524		0000	±		
	chlorobenzene 0.1	524		0000	±		
	p-dichlorobenzene 0.6	524		0000	±		
	styrene 0.1	524		0000	±		
	perchloroethene 0.005	524		0000	±		
	toluene 1.	524		0000	±		
	t-1,2-dichloroethene .1	524		0000	±		
	total xylenes 10.	524	↓	0000	±		
					±		
2200	UNREGULATED VOCS	524	<	0000 0005	±		
					±		
					±		
					±		
					±		
	ph 1.4				±		
30-33	LAB I.D. 34-38	39-41	42	43-50	51-53	54-59	

SEP 1994 RECEIVED Office of Water Programs Culpeper Office

PREPARED BY: [signature]

The results on this report are expressed in mg/L unless otherwise indicated. *A = analyst's initials

94 SEP -1 PM 12:41

BUR. OF CHEMISTRY

455747

3#: 1-6

NAME OF WATER SYSTEM: FAUQUIER USA New Baltimore
SOURCE: WELL E-6
OTHER INFORMATION: NEW WELL

REPORT RESULTS TO HEALTH OFFICIAL AT:
ALL DRYING CORP
9172 JOHN S. MOSBY HWY.
UPPERVILLE, VA 22176
703/592-3239

Water Quality Report

PESTICIDE BB

WSE 50

Commonwealth of Virginia
Department of Health
Division of Water Programs
Bureau of Water Supply Engineering

REGION: ☐ Abingdon ☑ Culpeper ☐ Danville ☐ Lexington ☐ Richmond ☐ Virginia Beach ☐ Local Health Dept. ☐

PLANNING DISTRICT#
COUNTY: FAUQUIER
INDEPENDENT CITY: WARRENTON
SAMPLING LOCATION: @ WELL TAP
CODE: 7-9
SOURCE TYPE: ☑ Public-Community ☐ Public-Noncommunity

FIELD TESTS: Temp: pH: Cl_2: mg/L Alk: mg/L CO_2 mg/L Hard.: mg/L

P.W.S.I.D.#: 6061318 (10-15)
TRANSACTION CODE: 03 (17-18)

DATE COLLECTED: Mo 9 Day 1 Yr 94 (19-24)

TIME: 1000 (25-28)

COLLECTED BY: VDC - DWS

CONTAINER TYPE: ☑ Glass ☐ Plastic

PRESERVATIVE USED: ☐ None ☑ Ice ☐ Other ☐ Nitric Acid

SAMPLE TYPE: D ☐ Reg. Dist. P ☐ Plant Tap R ☑ Raw Water

CONT. I.D.	CONTAMINANT NAME (Maximum Allowable Level)		MTD.	S	ANALYSIS RESULTS	PRECISION	ANALYSIS DATE Mo Day Yr	A*
2005	Endrin	0.0002	201	<	00004	±	09 16 94	Hmm
2010	Lindane	0.004	201	<	00001	±	09 16 94	Hmm
2015	Methoxychlor	0.1	201	<	00002	±	09 16 94	Hmm
2020	Toxaphene	0.005	201	<	00005	±	09 16 94	Hmm
2105	2,4-D	0.1	206	<	00003	±	09 16 94	Hmm
2110	2,4,5-TP (Silvex)	0.01	206	<	00001	±	09 16 94	Hmm

END

RECEIVED SEP 1 9 1994

LAB #: 1-6

NAME OF WATER SYSTEM: FAUQUIER WSA - NEW BALTIMORE

SOURCE: WELL E-6

OTHER INFORMATION: NEW WELL

REPORT RESULTS TO HEALTH OFFICIAL AT:

Name: VALLEY DRILLING CORP. OF VA.

Address: 9172 JOHN S. MOSBY HWY.

City: UPPERVILLE, VA 22176

Zip Code: 703/592-3239

Water Quality Report

RADIOLOGICAL

WSE 50

BB

Commonwealth of Virginia
Department of Health
Division of Water Programs
Bureau of Water Supply Engineering

REGION: ☐ Abingdon ☑ Culpeper ☐ Danville ☐ Lexington ☐ Richmond ☐ Virginia Beach ☐ Local Health Dept. ☐

PLANNING DISTRICT#

COUNTY: FAUQUIER

INDEPENDENT CITY: WARRENTON

SAMPLING LOCATION: @ WELL HEAD

CODE: 7-9

SOURCE TYPE: ☑ Public-Community ☐ Public-Noncommunity

FIELD TESTS: Temp: pH: Cl_2: mg/L Alk: mg/L CO_2 mg/L Hard.: mg/L

P.W.S.I.D. #: 6061318 (10-16)

TRANSACTION CODE: Ø3 (17-18)

DATE COLLECTED: Mo 9 Day 1 Yr 94 (19-24)

TIME: 1000 (25-28)

COLLECTED BY: VDC - DWS

CONTAINER TYPE: ☐ Glass ☑ Plastic

PRESERVATIVE USED: ☑ None ☐ Ice ☐ Other ☐ Nitric Acid

SAMPLE TYPE: D ☐ Reg. Dist. P ☐ Plant Tap R ☑ Raw Water C ☐ Check M ☐ MCL Check S ☐ Other (29)

CONT. I.D.	CONTAMINANT NAME (Maximum Allowable Level)	MTD.	S	ANALYSIS RESULTS	PRECISION	ANALYSIS DATE Mo Day Yr	A*
4000	Gross Alpha 5 pCi/L	419		Ø Ø 11 Ø Ø	± Ø Ø6	9 4 94	AD
4010	Gross Radium (Alpha)	420		Ø Ø Ø Ø	± Ø		
4020	Radium-226	421		Ø Ø Ø Ø	± Ø		
4030	Radium-228	422		Ø Ø Ø Ø	± Ø		
4100	Gross Beta 50 pCi/L	419		Ø Ø 26 Ø Ø	± Ø Ø8	9 4 94	AD
4006	Uranium			Ø Ø Ø Ø	± Ø		
4102	Tritium				±		

(30-33) LAB I.D. 0 4 0 0 0 (34-38) (39-41) (42) (43-50) (51-53) (54-59)

DATE REC: SEP 1 1994

DATE REP: SEP 8 1994

PREPARED BY: S. Dugas KK

The results on this report are expressed in pCi/L unless otherwise indicated. *A = analyst's initials

455745

94 SEP -1 PM 12:41

DIR. OF ... ISTRY

NITON® corporation

RECEIVED SEP 1 2 1994

ENVIRONMENTAL RESEARCH AND MEASUREMENT PRODUCTS FOR RADON AND LEAD

September 7, 1994

EMERY & GARRETT GRNDWTR
170 WAUKEWAN STREET
MEREDITH, NH 03253

SITE ADDRESS:
NEW BALTIMORE, VA 22186

Thank you for choosing NITON for your radon testing.

Your radon test results are listed by vial number in the space below. These radon results are strictly confidential, though some state laws require reporting (by zip code only in New England).

VIAL NUMBER	TEST LOCATION	TEST BEGIN	RADON CONCENTRATION
727567	WELL E-7	09/01/94	450 pCi/L
727506	WELL E-6	09/02/94	1700 pCi/L
727552	WELL E-1	09/02/94	4100 pCi/L

Radon-laden water can be a source of elevated levels of radon in indoor air, as radon gas escapes from the water into the air. The U.S. E.P.A. is currently setting guidelines for public water systems but has not set guidelines for acceptable levels of radon in private wells. Various states, including Massachusetts, Maine and New Hampshire, have set action guidelines of 10,000 to 20,000 pCi/L.

On average, 10,000 picoCuries of radon in a liter of water contributes about 1 pCi/L of radon to indoor air of a house. Thus, a level of 20,000 picoCuries in the water could result in adding 2 pCi/L to the level of radon in air. A level of 4,800 pCi/L in water could add .48 pCi/L to the air.

Additional information on radon in water may be found enclosed.

Our testing laboratory techniques have consistently passed the U.S. Environmental Protection Agency Proficiency Tests. No commercially available radon tests are more precise. If test instructions were followed, you can be confident that these results are accurate measures of the radon levels at the time the tests were done. Radon levels may fluctuate over time. NOTE: NITON IS NOT RESPONSIBLE FOR INACCURACIES CAUSED BY IMPROPER USE OF THE DETECTORS, INCORRECT OR INCOMPLETE TEST INFORMATION, OR DAMAGE TO THE DETECTORS IN TRANSIT.

P.O.Box 368 • Bedford, MA 01730-0368 • Telephone: 617-275-9275 • Fax: 617-275-2397

Printed on Recycled Paper

BACTERIOLOGICAL ANALYSIS INPUT FORM

DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	LAB ANALYSIS - RESULT	DATE COMPLETED MO	DAY	YR
6061318	05		Coliform	CPN	[ ] COLIFORM ABSENT [ ] COLIFORM PRESENT [ ] COLLECT REPEATS	09	03	94

DISINFECTED? YES [ ] NO [X] RLS CL _____ PPM

< 2 L4 1 2 4 1 2

SAMPLE LOCATION CODE	SAMPLE LOCATION LOCATION NAME	DATE COLLECTED MO	DAY	YR	SAMPLE TYPE	SAMPLE TIME	COLLECTED BY: U.D.C - M.H.
	Fauquier WSA New Baltimore Well E-6	9	1	94		900	

LAB ID: 0100 LABORATORY NAME/ANALYST: JM

PUBLIC WATER SYSTEM NAME AND ADDRESS

Valley Drilling Corporation of Virginia
9172 John S. Mosby Highway
Upperville, VA 22176

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH TNTC OR TURBID CULTURE

DCLS LAB USE ONLY

UNSATISFACTORY: PLEASE RESAMPLE
[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER

BACTERIOLOGICAL ANALYSIS INPUT FORM

DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	LAB ANALYSIS - RESULT	DATE COMPLETED MO	DAY	YR
6061318	05		Coliform	CPN	[ ] COLIFORM ABSENT [ ] COLIFORM PRESENT [ ] COLLECT REPEATS	09	03	94

DISINFECTED? YES [ ] NO [ ] RLS CL _____ PPM

< 2 L4 1 2 4 1 1

SAMPLE LOCATION CODE	SAMPLE LOCATION LOCATION NAME	DATE COLLECTED MO	DAY	YR	SAMPLE TYPE	SAMPLE TIME	COLLECTED BY: U.D.C - M.H
	Fauquier WSA New Baltimore Well-E-6	9	1	94		500	

LAB ID: 0100 LABORATORY NAME/ANALYST: JM

PUBLIC WATER SYSTEM NAME AND ADDRESS

Valley Drilling Corporation of Virginia
9172 John S. Mosby Highway
Upperville, VA 22176

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC OR TURBID CULTURE

DCLS LAB USE ONLY

UNSATISFACTORY: PLEASE RESAMPLE
[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER

BACTERIOLOGICAL ANALYSIS INPUT FORM

DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	LAB ANALYSIS - RESULT	DATE COMPLETED MO	DAY	YR
6061318	05		Coliform	CPN	[ ] COLIFORM ABSENT [ ] COLIFORM PRESENT [ ] COLLECT REPEATS	09	05	94

DISINFECTED? YES [ ] NO [X] RLS CL _____ PPM

MPN 2 L4 1 2 1 0 8

SAMPLE LOCATION CODE	SAMPLE LOCATION LOCATION NAME	DATE COLLECTED MO	DAY	YR	SAMPLE TYPE	SAMPLE TIME	COLLECTED BY: U.D.C - M.H.
	Fauquier WSA New Baltimore Well E-6	9	1	94		400	

LAB ID: 0100 LABORATORY NAME/ANALYST: JM

PUBLIC WATER SYSTEM NAME AND ADDRESS

Valley Drilling Corporation of Virginia
9172 John S. Mosby Highway
Upperville, VA 22176

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH TNTC OR TURBID CULTURE

DCLS LAB USE ONLY

UNSATISFACTORY: PLEASE RESAMPLE
[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER

BACTERIOLOGICAL ANALYSIS INPUT FORM

DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	COLIFORM ABSENT / COLIFORM PRESENT / COLLECT REPEATS	DATE COMPLETED MO.	DAY	YR
6061318	05		Coliform	CPN		09	03	9

DISINFECTANT? YES ☐ NO ☑ RLS CL _____ PPM

< 2

L412410

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO	DAY	YR	SAMPLE TYPE	TIME	COLLECTED BY: V.D.C - M.H.
	Fauquier WSA New Baltimore Well E-6	9	1	94		700	LAB ID 0100 LABORATORY NAME/ANALYST

PUBLIC WATER SYSTEM NAME AND ADDRESS

Valley Drilling Corporation of Virginia
[redacted] John S. Mosby Highway
Upperville, VA 22176

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

UNSATISFACTORY: PLEASE RESAMPLE — DCLS LAB USE ONLY

[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWS/D
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER _____

BACTERIOLOGICAL ANALYSIS INPUT FORM

DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	COLIFORM ABSENT / COLIFORM PRESENT / COLLECT REPEATS	DATE COMPLETED MO.	DAY	YR
6061318	05		Coliform	CPN		09	03	9

DISINFECTANT? YES ☐ NO ☑ RLS CL _____ PPM

< 2

L412409

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO	DAY	YR	SAMPLE TYPE	TIME	COLLECTED BY: V.D.C - M.H.
	Fauquier WSA New Baltimore Well E-6	9	1	94		100	LAB ID 0100 LABORATORY NAME/ANALYST

PUBLIC WATER SYSTEM NAME AND ADDRESS

Valley Drilling Corporation of Virginia
[redacted] John S. Mosby Highway
Upperville, VA 22176

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

UNSATISFACTORY: PLEASE RESAMPLE — DCLS LAB USE ONLY

[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWS/D
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER _____

BACTERIOLOGICAL ANALYSIS INPUT FORM

DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	COLIFORM ABSENT / COLIFORM PRESENT / COLLECT REPEATS	DATE COMPLETED MO.	DAY	YR
6061318	05		Coliform	CPN		09	02	9

DISINFECTANT? YES ☐ NO ☑ RLS CL _____ PPM

< 2

L412407

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO	DAY	YR	SAMPLE TYPE	TIME	COLLECTED BY: V.D.C - M.H.
	Fauquier WSA New Baltimore Well E-6	9	1	94		300	LAB ID 0100 LABORATORY NAME/ANALYST

PUBLIC WATER SYSTEM NAME AND ADDRESS

Valley Drilling Corporation of Virginia
[redacted] John S. Mosby Highway
Upperville, VA 22176

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

UNSATISFACTORY: PLEASE RESAMPLE — DCLS LAB USE ONLY

[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWS/D
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE

BACTERIOLOGICAL ANALYSIS INPUT FORM

DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	LAB ANALYSIS - RESULT	DATE COMPLETED MO.	DAY	YR
6061318	05		Coliform	CPN	[ ] COLIFORM ABSENT [ ] COLIFORM PRESENT [ ] COLLECT REPEATS	09	03	94

COORDINATED? YES [ ] NO [ ] RLS CL _____ PPM

< 2 L412413

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO	DAY	YR	SAMPLE TYPE	TIME	COLLECTED BY: V.D.C. M.H.
	Fauquier WSA New Baltimore Well E-6	9	1	94		800	LAB ID: 0100 LABORATORY NAME/ANALYST:

PUBLIC WATER SYSTEM NAME AND ADDRESS

Valley Drilling Corporation of Virginia
9172 John S. Mosby Highway
Upperville, VA 22176

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC OR TURBID CULTURE

UNSATISFACTORY: PLEASE RESAMPLE — DCLS LAB USE ONLY

[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER _____

BACTERIOLOGICAL ANALYSIS INPUT FORM

DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	LAB ANALYSIS - RESULT	DATE COMPLETED MO.	DAY	YR
6061318	05		Coliform	CPN	[ ] COLIFORM ABSENT [ ] COLIFORM PRESENT [ ] COLLECT REPEATS	09	03	94

COORDINATED? YES [ ] NO [ ] RLS CL _____ PPM

< 2 L412414

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO	DAY	YR	SAMPLE TYPE	TIME	COLLECTED BY: V.D.C. M.H.
	Fauquier WSA New Baltimore Well E-6	9	1	94		600	LAB ID: 0100 LABORATORY NAME/ANALYST:

PUBLIC WATER SYSTEM NAME AND ADDRESS

Valley Drilling Corporation of Virginia
9172 John S. Mosby Highway
Upperville, VA 22176

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC OR TURBID CULTURE

UNSATISFACTORY: PLEASE RESAMPLE — DCLS LAB USE ONLY

[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [X] TURBID CULTURE
[ ] OTHER _____

BACTERIOLOGICAL ANALYSIS INPUT FORM

DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	LAB ANALYSIS - RESULT	DATE COMPLETED MO.	DAY	YR
6061318	05		Coliform	CPN	[ ] COLIFORM ABSENT [ ] COLIFORM PRESENT [ ] COLLECT REPEATS	09	03	94

COORDINATED? YES [ ] NO [ ] RLS CL _____ PPM

< 2 L412415

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO	DAY	YR	SAMPLE TYPE	TIME	COLLECTED BY: V.D.C. M.H.
	Fauquier WSA New Baltimore Well E-6	9	1	94		200	LAB ID: 0100 LABORATORY NAME/ANALYST:

PUBLIC WATER SYSTEM NAME AND ADDRESS

Valley Drilling Corporation of Virginia
9172 John S. Mosby Highway
Upperville, VA 22176

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC OR TURBID CULTURE

UNSATISFACTORY: PLEASE RESAMPLE — DCLS LAB USE ONLY

[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID

WATER CHEMISTRY DURING PUMPING TEST
PRODUCTION WELL E-7

Emery & Garrett Groundwater, Inc.

DATE COLLECTED	DATE RECEIVED	DATE COMPLETED	SAMPLE CODE
08/30/94	09/01/94	09/13/94	9690045

NATIONAL TESTING LABORATORIES Inc.
6555 Wilson Mills Road
Cleveland, OH 44143
(216) 449-2525

RECEIVED SEP 19 1994

CUSTOMER ADDRESS

NEW BALTIMORE
WELL E-7
24 HRS OF PUMPING

DEALER ADDRESS

EMERY & GARRETT GROUNDWTR
170 WAUKEWAN ST
MEREDITH, NH 03253-

DRINKING WATER ANALYSIS RESULTS

NOTE: "*" indicates that the MCL (Maximum Contaminant Level) has been exceeded, or in the case of pH is either too high OR too low.
"ND" indicates that none of this contaminant has been detected at or above our detection level.
"**" Result may be invalid due to lack of "Time Collected" or because the sample has exceeded the 30-hour time frame.
"BD" Bacteria destroyed due to lack of collection information or because the sample has exceeded the 48-hour time frame.
TNTC-Too Numerous To Count NBS-No Bacteria Submitted

Analysis performed	MCL (mg/l)	Detection Level	Level Detected
Microbiological:			
Total coliform (organism/100ml)	0	0	BD
Inorganic chemicals - metals:			
Aluminum	0.2	0.1	ND
Arsenic	0.05	0.010	ND
Barium	2.0	0.30	ND
Cadmium	0.005	0.002	ND
Chromium	0.1	0.004	ND
Copper	1.3	0.004	ND
Iron	0.3	0.020	ND
Lead	0.015	0.002	ND
Manganese	0.05	0.004	ND
Mercury	0.002	0.001	ND
Nickel	0.1	0.02	ND
Selenium	0.05	0.002	ND
Silver	0.1	0.002	ND
Sodium	---	1.0	4.1
Zinc	5.0	0.004	0.062
Inorganic chemicals - other, and physical factors:			
Alkalinity (Total as CaCO3)	---	10.0	85
Chloride	250	5.0	ND
Fluoride	4.0	0.5	ND
Nitrate as N	10	0.5	0.9
Nitrite as N	1.0	0.5	ND
Sulfate	250	5.0	ND
Hardness (suggested limit = 100)		10.0	80
pH (Standard Units)	6.5-8.5	---	7.3
Total Dissolved Solids	500	20.0	88
Turbidity (Turbidity Units)	1.0	0.1	ND
Organic chemicals - trihalomethanes:			
Bromoform		0.004	ND
Bromodichloromethane		0.002	ND
Chloroform		0.002	ND
Dibromochloromethane	---	0.004	ND
Total THMs (sum of four above)	0.1	0.002	ND
Organic chemicals - volatiles:			
Benzene	0.005	0.001	ND
Vinyl Chloride	0.002	0.001	ND
Carbon Tetrachloride	0.005	0.001	ND
1,2-Dichloroethane	0.005	0.001	ND

Analysis performed	MCL (mg/l)	Detection Level	Level Detected
Trichloroethylene	0.005	0.001	ND
1,4-Dichlorobenzene	0.075	0.001	ND
1,1-Dichloroethylene	0.007	0.001	ND
1,1,1,-Trichloroethane	0.20	0.001	ND
Bromobenzene	---	0.002	ND
Bromomethane	---	0.002	ND
Chlorobenzene	0.1	0.001	ND
Chloroethane	---	0.002	ND
Chloromethane	---	0.002	ND
2-Chlorotoluene	---	0.001	ND
4-Chlorotoluene	---	0.001	ND
Dibromochloropropane (DBCP)	---	0.001	ND
Dibromomethane	---	0.002	ND
1,2-Dichlorobenzene	0.6	0.001	ND
1,3-Dichlorobenzene	---	0.001	ND
Dichlorodifluoromethane	---	0.002	ND
1,1-Dichloroethane	---	0.002	ND
Trans-1,2-Dichloroethylene	0.1	0.002	ND
cis-1,2-Dichloroethylene	0.07	0.002	ND
Dichloromethane	0.005	0.002	ND
1,2-Dichloropropane	0.005	0.002	ND
trans-1,3-Dichloropropene	---	0.002	ND
1,3-Dichloropropene	---	0.002	ND
2,2-Dichloropropane	---	0.002	ND
1,1-Dichloropropene	---	0.002	ND
1,3-Dichloropropane	---	0.002	ND
Ethylbenzene	0.7	0.001	ND
Ethylenedibromide (EDB)	---	0.001	ND
Styrene	0.1	0.001	ND
1,1,1,2-Tetrachloroethane	---	0.002	ND
1,1,2,2-Tetrachloroethane	---	0.002	ND
Tetrachloroethylene (PCE)	0.005	0.002	ND
1,2,4-Trichlorobenzene	---	0.002	ND
1,2,3-Trichlorobenzene	---	0.002	ND
1,1,2-Trichloroethane	0.005	0.002	ND
Trichlorofluoromethane	---	0.002	ND
1,2,3-Trichloropropane	---	0.002	ND
Toluene	1.0	0.001	ND
Xylene	10	0.001	ND
Organic chemicals - pesticides, herbicides & PCBs			
Alachlor	0.002	0.001	ND
Atrazine	0.003	0.002	ND
Chlordane	0.002	0.001	ND
Aldrin	---	0.002	ND
Dichloran	---	0.002	ND
Dieldren	---	0.001	ND
Endrin	0.002	0.0001	ND
Heptachlor	0.0004	0.0004	ND
Heptachlor Epoxide	0.0002	0.0001	ND
Hexachlorobenzene	0.001	0.0005	ND
Hexachlorocyclopentadiene	0.05	0.001	ND
Lindane	0.0002	0.0002	ND
Methoxychlor	0.04	0.002	ND
PCBs	0.0005	0.0005	ND
Pentachloronitrobenzene	---	0.002	ND
Silvex 2,4,5-TP	0.05	0.005	ND
Simazine	0.004	0.002	ND
Toxaphene	0.003	0.001	ND
Trifluralin	---	0.002	ND
2,4-D	0.07	0.010	ND

I certify that the analyses performed for this report are accurate, and that the laboratory tests were conducted by methods approved by the U.S. Environmental Protection Agency or variations of these EPA methods.

These test results are intended to be used for informational purposes only and may not be used for regulatory compliance.

PRESIDENT, NATIONAL TESTING LABORATORIES, INC.

DATE COLLECTED	DATE RECEIVED	DATE COMPLETED	SAMPLE CODE
09/01/94	09/06/94	09/16/94	9690141

CUSTOMER ADDRESS

NEW BALT
WELL E-7
CONCLUSION OF PUMPING
FAUQUIER CO WSA

RECEIVED SEP 20 1994

DEALER ADDRESS

EMERY & GARRETT GROUNDWTR
170 WAUKEWAN ST
MEREDITH, NH 03253-

NATIONAL TESTING LABORATORIES INC.
6555 Wilson Mills Road
Cleveland, OH 44143
(216) 449-2525

DRINKING WATER ANALYSIS RESULTS

NOTE: "*" indicates that the MCL (Maximum Contaminant Level) has been exceeded, or in the case of pH is either too high OR too low.
"ND" indicates that none of this contaminant has been detected at or above our detection level.
"**" Result may be invalid due to lack of "Time Collected" or because the sample has exceeded the 30-hour time frame.
"BD" Bacteria destroyed due to lack of collection information or because the sample has exceeded the 48-hour time frame.
TNTC-Too Numerous To Count NBS-No Bacteria Submitted

Analysis performed	MCL (mg/l)	Detection Level	Level Detected
Microbiological:			
Total coliform (organism/100ml)	0	0	BD
Inorganic chemicals - metals:			
Aluminum	0.2	0.1	ND
Arsenic	0.05	0.010	ND
Barium	2.0	0.30	ND
Cadmium	0.005	0.002	ND
Chromium	0.1	0.004	ND
Copper	1.3	0.004	0.029
Iron	0.3	0.020	ND
Lead	0.015	0.002	ND
Manganese	0.05	0.004	ND
Mercury	0.002	0.001	ND
Nickel	0.1	0.02	ND
Selenium	0.05	0.002	ND
Silver	0.1	0.002	ND
Sodium	---	1.0	4.3
Zinc	5.0	0.004	0.065
Inorganic chemicals - other, and physical factors:			
Alkalinity (Total as CaCO3)	---	10.0	90
Chloride	250	5.0	ND
Fluoride	4.0	0.5	ND
Nitrate as N	10	0.5	0.8
Nitrite as N	1.0	0.5	ND
Sulfate	250	5.0	ND
Hardness (suggested limit = 100)		10.0	70
pH (Standard Units)	6.5-8.5	---	7.7
Total Dissolved Solids	500	20.0	87
Turbidity (Turbidity Units)	1.0	0.1	0.1
Organic chemicals - trihalomethanes:			
Bromoform	---	0.004	ND
Bromodichloromethane	---	0.002	ND
Chloroform	---	0.002	ND
Dibromochloromethane	---	0.004	ND
Total THMs (sum of four above)	0.1	0.002	ND
Organic chemicals - volatiles:			
Benzene	0.005	0.001	ND
Vinyl Chloride	0.002	0.001	ND
Carbon Tetrachloride	0.005	0.001	ND
1,2-Dichloroethane	0.005	0.001	ND

Analysis performed	MCL (mg/l)	Detection Level	Level Detected
Trichloroethylene	0.005	0.001	ND
1,4-Dichlorobenzene	0.075	0.001	ND
1,1-Dichloroethylene	0.007	0.001	ND
1,1,1,-Trichloroethane	0.20	0.001	ND
Bromobenzene	---	0.002	ND
Bromomethane	---	0.002	ND
Chlorobenzene	0.1	0.001	ND
Chloroethane	---	0.002	ND
Chloromethane	---	0.002	ND
2-Chlorotoluene	---	0.001	ND
4-Chlorotoluene	---	0.001	ND
Dibromochloropropane (DBCP)	---	0.001	ND
Dibromomethane	---	0.002	ND
1,2-Dichlorobenzene	0.6	0.001	ND
1,3-Dichlorobenzene	---	0.001	ND
Dichlorodifluoromethane	---	0.002	ND
1,1-Dichloroethane	---	0.002	ND
Trans-1,2-Dichloroethylene	0.1	0.002	ND
cis-1,2-Dichloroethylene	0.07	0.002	ND
Dichloromethane	0.005	0.002	ND
1,2-Dichloropropane	0.005	0.002	ND
trans-1,3-Dichloropropene	---	0.002	ND
1,3-Dichloropropene	---	0.002	ND
2,2-Dichloropropane	---	0.002	ND
1,1-Dichloropropene	---	0.002	ND
1,3-Dichloropropane	---	0.002	ND
Ethylbenzene	0.7	0.001	ND
Ethylenedibromide (EDB)	---	0.001	ND
Styrene	0.1	0.001	ND
1,1,1,2-Tetrachloroethane	---	0.002	ND
1,1,2,2-Tetrachloroethane	---	0.002	ND
Tetrachloroethylene (PCE)	0.005	0.002	ND
1,2,4-Trichlorobenzene	---	0.002	ND
1,2,3-Trichlorobenzene	---	0.002	ND
1,1,2-Trichloroethane	0.005	0.002	ND
Trichlorofluoromethane	---	0.002	ND
1,2,3-Trichloropropane	---	0.002	ND
Toluene	1.0	0.001	ND
Xylene	10	0.001	ND
Organic chemicals - pesticides, herbicides & PCBs			
Alachlor	0.002	0.001	ND
Atrazine	0.003	0.002	ND
Chlordane	0.002	0.001	ND
Aldrin	---	0.002	ND
Dichloran	---	0.002	ND
Dieldren	---	0.001	ND
Endrin	0.002	0.0001	ND
Heptachlor	0.0004	0.0004	ND
Heptachlor Epoxide	0.0002	0.0001	ND
Hexachlorobenzene	0.001	0.0005	ND
Hexachlorocyclopentadiene	0.05	0.001	ND
Lindane	0.0002	0.0002	ND
Methoxychlor	0.04	0.002	ND
PCBs	0.0005	0.0005	ND
Pentachloronitrobenzene	---	0.002	ND
Silvex 2,4,5-TP	0.05	0.005	ND
Simazine	0.004	0.002	ND
Toxaphene	0.003	0.001	ND
Trifluralin	---	0.002	ND
2,4-D	0.07	0.010	ND

I certify that the analyses performed for this report are accurate, and that the laboratory tests were conducted by methods approved by the U.S. Environmental Protection Agency or variations of these EPA methods.

These test results are intended to be used for informational purposes only and may not be used for regulatory compliance.

PRESIDENT, NATIONAL TESTING LABORATORIES, INC.

REV. 3-92

LAB #: 1-8

NAME OF WATER SYSTEM: FAUQUIER WSA - New BALTIMORE
SOURCE: WELL E-7
OTHER INFORMATION: NEW WELL

REPORT RESULTS TO HEALTH OFFICIAL AT:
Name VALLEY DRILLING CORP. OF VA.
Address 9172 JOHN S. MOSBY HWY.
City UPPERVILLE, VA 22176
Zip Code 703/59[illegible]

Water Quality Report

INORGANIC

WSE 50

BB

Commonwealth of Virginia
Department of Health
Division of Water Programs
Bureau of Water Supply Engineering

REGION: ☐ Abingdon ☐ Danville ☐ Richmond ☐ Local Health Dept.
☑ Culpeper ☐ Lexington ☐ Virginia Beach ☐

PLANNING DISTRICT#
SAMPLING LOCATION: CWELL TAP
SOURCE TYPE: ☑ Public-Community ☐ Public-Noncommunity
COUNTY: FAUQUIER
CODE: 7-9
INDEPENDENT CITY: WARRENTON
FIELD TESTS: Temp: Cl_2: mg/L CO_2 mg/L
pH: Alk: mg/L Hard.: mg/L
P.W.S.I.D. #: 6061318 (10-16)
TRANSACTION CODE: Ø 3 (17-18)

DATE COLLECTED: Mo 9 Day 1 Yr 94 (19-24)

TIME: 1000 (25-28)

COLLECTED BY: V.D.C. - D.R.

CONTAINER TYPE: ☐ Glass ☑ Plastic

PRESERVATIVE USED: ☐ None ☑ Ice ☐ Other

SAMPLE TYPE: D ☐ Reg. Dist. P ☐ Plant Tap R ☑ Raw Water C ☐ Check M ☐ MCL Check S ☐ Other (29)

DATE REC:
DATE REP: 9-30-94

CONT. I.D.	CONTAMINANT NAME (Maximum Allowable Level)	MTD.	S	ANALYSIS RESULTS	PRECISION	ANALYSIS DATE Mo Day Yr	A*
1925	pH (6.5-8.5)	135		Ø Ø 723 Ø Ø	±	09 01 94	[illegible]
1927	Alkalinity-Total	157		Ø 802 Ø Ø Ø	±		
1928	Alkalinity-Bicarbonate	157		Ø 802 Ø Ø Ø	±		
1929	Alkalinity-Carbonate	157		Ø 00 Ø Ø Ø	±		
1915	Hardness-EDTA	141		Ø Ø Ø	±		
1932	Acidity	157		Ø Ø Ø Ø	±		
1910	Corrosion Index	136		Ø Ø 1086 Ø Ø	±		
1025	Fluoride 1.8	107	<	Ø Ø 010 Ø Ø	±	09 06 94	CM
1017	Chloride 250.	107		19 Ø Ø Ø	±	09 28 94	CF
1905	Color (APHA) 15 CU	129		Ø Ø 4 Ø Ø Ø Ø	±	09 06 94	[illegible]
0100	Turbidity (FTU) 1.0	001		Ø 004 Ø Ø	±	09 01 94	[illegible]
1027	Hydrogen Sulfide 0.05	155	<	Ø Ø Ø 003 Ø Ø	±	09 01 94	[illegible]
1055	Sulfate 250.	137		Ø 23 Ø Ø Ø	±	09 28 94	CF
1040	Nitrogen-Nitrate 10.0	163		Ø Ø Ø Ø	±		
1039	Nitrogen-Ammonia	147	<	Ø Ø 004 Ø Ø	±	09 02 94	PB
1038	Nitrogen-Nitrite	163		Ø Ø Ø Ø	±		
1041	Nitrogen-Total Kjeldahl	175		Ø Ø Ø Ø	±		
1043	Phosphate-Total (As P)	162		Ø Ø Ø Ø	±		
1044	Phosphate-Ortho (As P)	162	<	Ø Ø 005 Ø Ø	±	09 28 94	CF
1926	Specific Conductance (u mhos/cm)	145		167 Ø Ø Ø	±	09 01 94	BG
1930	Total Dissolved Solids (185°C)	139		125 Ø Ø Ø Ø	±	09 13 94	BG
1058	Volatile (550°C)	139		27 Ø Ø Ø Ø	±		
1059	Fixed (550°C)	139		98 Ø Ø Ø Ø	±		
1049	Silica (as SiO_2)	143		Ø 290 Ø Ø	±	09 12 94	FM
1997	Langlier Index 15°C	136	–	Ø Ø Ø 1167 Ø	±		
					±		
					±		
30-33	LAB I.D. 01000 (34-38)	39-41	42	43-50	51-53	54-59	

PREPARED BY: B. O'Neil

The results on this report are expressed in mg/L unless otherwise indicated. *A = analyst's initials

RECEIVED OCT 17 1994
RECEIVED 17 1994
94 SEP -1 PM 12:41
455748

LAB #: [redacted]

NAME OF WATER SYSTEM: FAUQUIER WSA NEW BALTIMORE

SOURCE: WELL E-7

OTHER INFORMATION: NEW WELL

REPORT RESULTS TO HEALTH OFFICIAL AT:
Name: VALLEY DRILLING CO.
Address: 9172 JOHN S. MOSBY
City: UPPERVILLE, State: VA Zip Code: 22176
703/592-3239

Water Quality Report BB

REGION: ☐ Abingdon ☐ Danville ☐ Richmond ☐ Health Dept.
☑ Culpeper ☐ Lexington ☐ Virginia Beach ☐

NITRATE-N NITRITE-N HARDNESS
WSE 50

PLANNING DISTRICT #: SAMPLING LOCATION: @WELL TAP

SOURCE TYPE:
☑ Public-Community
☐ Public-Noncommunity

Commonwealth of Virginia
Department of Health
Division of Water Programs
Bureau of Water Supply Engineering

COUNTY: FAUQUIER

INDEPENDENT CITY: WARRENTON CODE: 7-9

FIELD TESTS: Temp: Cl2: mg/L CO2 mg/L
pH: Alk: mg/L Hard.: mg/L

P.W.S.I.D. #: 6 0 6 / 3 1 8 10-16 TRANSACTION CODE 0 3 17-18

RECEIVED OCT 17 1994 4:56 PM 12 SEP 94 BUREAU OF DC

DATE COLLECTED: Mo 9 Day 1 Yr 94 19-24

TIME: 1010 25-28

COLLECTED BY: VDS. - DR.

CONTAINER TYPE:
☐ Glass
☑ Plastic

PRESERVATIVE USED:
☐ None
☑ Ice
☐ Other
☐ Nitric Acid
☐ Sulfuric Acid

SAMPLE TYPE:
D ☐ Reg. Dist.
P ☐ Plant Tap
R ☑ Raw Water
C ☐ Check
M ☐ MCL Check
☐ Other
29

DATE REC'D:
DATE REPT: 09/30/94

CONT. I.D.	CONTAMINANT NAME (Maximum Allowable Level)	MTD.	S	ANALYSIS RESULTS	PRECISION	ANALYSIS DATE Mo	Day	Yr	A*
	Nitrate-Nitrogen			0.88	±	09	28	94	CF
	Nitrite-Nitrogen		<	0.05	±	/	/	/	/
	Hardness (Total)			79	±				
	Hardness Calcium			63	±				

30-33 LAB I.D. 34-38 39-41 43-50 51-53 54-59

PREPARED BY: [signature]

The results on this report are expressed in mg/ Lunless otherwise indicated. *A = analyst's

RECEIVED OCT - 3 1994

Water Quality Report

METALS BB

WSE 50

Commonwealth of Virginia
Department of Health
Division of Water Programs
Bureau of Water Supply Engineering

NAME OF WATER SYSTEM: FAUQUIER WSA - NEW BADEN
SOURCE: WELL E-7
OTHER INFORMATION: NEW WELL

REPORT RESULTS TO HEALTH OFFICIAL AT:
Name: VALLEY DRILLING CORP.
Address: 9172 JOHN S. MOSBY HWY.
City: UPPERVILLE, VA 22176
703/592-9209

REGION: ☐ Abingdon ☐ Danville ☐ Richmond ☐ Health Dept.
☑ Culpeper ☐ Lexington ☐ Virginia Beach ☐

PLANNING DISTRICT#
COUNTY: FAUQUIER
INDEPENDENT CITY: WARRENTON
SAMPLING LOCATION: @ WELL TAP
CODE: 7-9

SOURCE TYPE:
☑ Public-Community
☐ Public-Noncommunity

FIELD TESTS: Temp: pH: Cl2: mg/L Alk: mg/L CO2 mg/L Hard: mg/L

P.W.S.I.D. #: 6 0 6 1 3 1 8 (10-16)

TRANSACTION CODE: 0 3 (17-18)

55750

DATE COLLECTED: Mo 9 Day 1 Yr 94 (19-24)

TIME: 1000 (25-28)

COLLECTED BY: VDH - DR.

CONTAINER TYPE:
☐ Glass
☑ Plastic

PRESERVATIVE USED:
☐ None
☑ Ice
☐ Other
☐ Nitric Acid

SAMPLE TYPE:
D ☐ Reg. Dist.
P ☐ Plant Tap
R ☑ Raw Water
C ☐ Check
M ☐ MCL Check
☐ Other
(29)

DATE REC:
DATE REP:

94 SEP -1 PM 12:41
R. OF HY

SAMPLE NUMBER : 55750 DCLS : BUREAU OF CHEMISTRY

CONT.I.D.	CONTAMINANT NAME (Maximum Allowable Level)	MTD	S	ANALYSIS RESULTS UG/ML
1005	Arsenic	0.05	125	< 0.010
1010	Barium	1.0	108	0.01
1015	Cadmium	0.010	125	< 0.0025
1020	Chromium	0.05	125	< 0.010
1030	Lead	0.05	125	< 0.005
1035	Mercury	0.002	106	< 0.0003
1045	Selenium	0.01	125	< 0.005
1050	Silver	0.05	125	< 0.010
1002	Aluminum		108	< 0.1
1016	Calcium		108	21
1028	Iron	0.30	108	0.02
1031	Magnesium		108	6
1032	Manganese	0.05	108	0.03
1051	Strontium		108	0.08
1095	Zinc	5.0	108	0.07
1022	Copper	1.0	108	0.01
1042	Potassium		108	1
1052	Sodium	20.	108	5
1036	Nickel		108	< 0.01
	Thallium		125	< 0.005
1919	Calcium Hardness		108	53
1918	Magnesium Hardness		136	25
1013	Ca & Mg Hardness		136	78
1015	Total Hardness***		136	79
1004	Antimony		125	< 0.010
1036	Beryllium		108	< 0.005

DATE REPORTED : 26-Sep-94

ANALYST : LOIS THACKER

4 5 7 5 3

1-6

NAME OF WATER SYSTEM: FAUQUIER WA - NEW BALTIMORE

SOURCE: WELL E-7

OTHER INFORMATION: DEVELOPMENTAL

REPORT RESULTS TO HEALTH OFFICIAL AT:

Name: VDH OFC. OF WATER PRG.
Address: 400 S. MAIN ST., 2nd FL.
City: CULPEPER, VA. 22701
Zip Code: (703) 829-7340

Water Quality Report

VOLATILE ORGANICS

WSE 50

BB

Commonwealth of Virginia
Department of Health
Division of Water Programs
Bureau of Water Supply Engineering

REGION: ☐ Abingdon ☐ Danville ☐ Richmond ☐ Local Health Dept. ☑ Culpeper ☐ Lexington ☐ Virginia Beach ☐

PLANNING DISTRICT#

SAMPLING LOCATION: @ WELL TAP

SOURCE TYPE: ☑ Public-Community ☐ Public-Noncommunity

COUNTY: FAUQUIER

CODE: 19

INDEPENDENT CITY: WARRENTON

FIELD TESTS: Temp: pH: Cl_2: mg/L Alk: mg/L CO_2 mg/L Hard.: mg/L

P.W.S.I.D. #: 6 0 6 1 3 1 8 (10-16)

TRANSACTION CODE: Ø 3 (17-18)

DATE COLLECTED: Mo 9 Day 1 Yr 94 (19-24)

TIME: 1 0 0 0 (25-28)

COLLECTED BY: VDC - DWS

CONTAINER TYPE: ☑ Glass ☐ Plastic

PRESERVATIVE USED: ☐ None ☑ Ice ☐ Other ☐ Nitric Acid

SAMPLE TYPE: D ☐ Reg. Dist. P ☐ Plant Tap R ☑ Raw Water C ☐ Check M ☐ MCL Check S ☐ Other (29)

DATE REC: 9/13

DATE REP:

CONT. I.D. (30-33)	CONTAMINANT NAME (Maximum Allowable Level)	MTD. (39-41)	S (42)	ANALYSIS RESULTS (43-50)	PRECISION (51-53)	ANALYSIS DATE Mo Day Yr (54-59)	A*
2900	Regulated VOCs	524	<	0000 0005	±	9 12 94	TEP
2990	Benzene 0.005	524		0000	±		
2976	Vinyl Chloride 0.002	524		0000	±		
2982	Carbon Tetrachloride 0.005	524		0000	±		
2980	1,2-Dichloroethane 0.005	524		0000	±		
2984	Trichloroethylene 0.005	524		0000	±		
2977	1,1-Dichloroethylene 0.007	524		0000	±		
2981	1,1,1-Trichloroethane 0.20	524		0000	±		
2969	p-Dichlorobenzene 0.075	524		0000	±		
	c-1,2-dichloroethene 0.07	524		0000	±		
	1,2-dichloropropane 0.005	524		0000	±		
	ethylbenzene 0.7	524		0000	±		
	chlorobenzene 0.1	524		0000	±		
	o-dichlorobenzene 0.6	524		0000	±		
	styrene 0.1	524		0000	±		
	perchloroethene 0.005	524		0000	±		
	toluene 1.	524		0000	±		
	t-1,2-dichloroethene .1	524		0000	±		
	total xylenes 10.	524		0000	±		
					±		
2200	UNREGULATED VOCS	524	<	0000 0005	±		
					±		
					±		
					±		
					±		
	ph 1.4				±		
	LAB I.D.						

SEP 1994 RECEIVED Office of Water Programs Culpeper Office

PREPARED BY: T. [signature]

The results on this report are expressed in mg/L unless otherwise indicated. *A = analyst's initials

01/18/95 15:45 ☎703 347 7689 FCWSA 004/005

LAB #: (1-6)

NAME OF WATER SYSTEM: FAUQUIER WSA - NEW BALTIMORE

SOURCE: WELL E-7

OTHER INFORMATION: NEW WELL

REPORT RESULTS TO HEALTH OFFICIAL AT:
Name: VALLEY DRILLING CORP.
9172 JOHN S. MOSBY HWY.
City: UPPERVILLE, VA Zip Code: 22176
703/592-3238

Water Quality Report

PESTICIDE

WSE 50

BB

Commonwealth of Virginia
Department of Health
Division of Water Programs
Bureau of Water Supply Engineering

REGION: ☐ Abingdon ☐ Danville ☐ Richmond ☐ Local Health Dept.
☑ Culpeper ☐ Lexington ☐ Virginia Beach ☐

PLANNING DISTRICT#

SAMPLING LOCATION: @WELL TAP

SOURCE TYPE: ☑ Public-Community ☐ Public-Noncommunity

COUNTY: FAUQUIER

INDEPENDENT CITY: WARRENTON

CODE: (7-9)

FIELD TESTS: Temp: pH: Cl_2: mg/L Alk: mg/L CO_2 mg/L Hard.: mg/L

P.W.S.I.D. #: 6 0 6 / 3 / 8 (10-16)

TRANSACTION CODE: 0 3 (17-18)

455752

RECEIVED
94 SEP -1 PM 12:41

DATE COLLECTED: Mo 9 Day 1 Yr 94 (19-24)

TIME: 1000 (25-28)

COLLECTED BY: VDC - DR

CONTAINER TYPE: ☑ Glass ☐ Plastic

PRESERVATIVE USED: ☐ None ☑ Ice ☐ Other ☐ Nitric Acid

SAMPLE TYPE: D ☐ Reg. Dist. P ☐ Plant Tap R ☐ Raw Water C ☐ Check M ☐ MCL Check ☐ Other (29)

DATE REC: 9-1

DATE REP: 9-16-94

CONT. I.D.	CONTAMINANT NAME (Maximum Allowable Level)		MTD.	S	ANALYSIS RESULTS	PRECISION	ANALYSIS DATE Mo Day Yr	A*
2005	Endrin	0.0002	201	<	0.0004	±	09 16 94	Hmm
2010	Lindane	0.004	201	<	0.0001	±	09 16 94	Hmm
2015	Methoxychlor	0.1	201	<	0.002	±	09 16 94	Hmm
2020	Toxaphene	0.005	201	<	0.005	±	09 16 94	Hmm
2105	2,4-D	0.1	206	<	0.003	±	09 16 94	Hmm
2110	2,4,5-TP (Silvex)	0.01	206	<	0.001	±	09 16 94	Hmm

LAB I.D. 0 2 0 0 0 (34-38)

(30-33) (39-41) (43-50) (51-53) (54-59)

PREPARED BY: Hazel Marshall

The results on this report are expressed in mg/L unless otherwise indicated. *A = analyst's initials

LAB #: 1-6

NAME OF WATER SYSTEM: FAUQUIER WSA - NEW BALTIMORE
SOURCE: WELL E-7
OTHER INFORMATION: NEW WELL

REPORT RESULTS TO HEALTH OFFICIAL AT:
VALLEY DRILLING CORP. C.
9172 JOHN S. MOSBY HWY.
UPPERVILLE, VA 22176
703/592-2229

Water Quality Report

RADIOLOGICAL BB

WSE 50

Commonwealth of Virginia
Department of Health
Division of Water Programs
Bureau of Water Supply Engineering

REGION: ☐ Abingdon ☐ Danville ☐ Fairfax ☐ Central Health Dept.
☑ Culpeper ☐ Lexington ☐ Valley Health ☐

PLANNING DISTRICT#
SAMPLING LOCATION: @WELL TAP
SOURCE TYPE: ☑ Public-Community ☐ Public-Noncommunity
COUNTY: FAUQUIER
CODE: 7-9
INDEPENDENT CITY: WARRENTON

FIELD TESTS: Temp: Cl2: mg/L CO2 mg/L
pH: Alk: mg/L Hard.: mg/L

P.W.S.I.D.#: 6 0 6 / 3 / 8 (10-16)
TRANSACTION CODE: 0 3 (17-18)

DATE COLLECTED: Mo 9 Day 1 Yr 94 (19-24)
TIME: 1000 (25-28)
COLLECTED BY: V.D.C. - D.R.

CONTAINER TYPE: ☐ Glass ☑ Plastic
PRESERVATIVE USED: ☑ None ☐ Ice ☐ Other ☐ Nitric Acid
SAMPLE TYPE: D ☐ Reg. Dist. P ☐ Plant Tap R ☑ Raw Water C ☐ Check [illegible] ☐ [illegible] S ☐ [illegible]

CONT. I.D.	CONTAMINANT NAME (Maximum Allowable Level)	MTD.	S	ANALYSIS RESULTS	PRECISION	ANALYSIS DATE Mo Day Yr	A*
4000	Gross Alpha 5pCi/L	419		∅∅ 02 ∅∅	± ∅ 04	9 9 94	SA
4010	Gross Radium (Alpha)	420		∅∅ ∅∅	± ∅		
4020	Radium-226	421		∅∅ ∅∅	± ∅		
4030	Radium-228	422		∅∅ ∅∅	± ∅		
4100	Gross Beta 50pCi/L	419		∅∅ 12 ∅∅	± ∅ 06	9 9 94	SA
4006	Uranium			∅∅ ∅∅	± ∅		
4102	Tritium				±		

94 SEP -1 PM 12:41

9.15.1994 10:15

P. 3

FROM VALLEY DRILLING

NITON® corporation

RECEIVED SEP 1 2 1994

ENVIRONMENTAL RESEARCH AND MEASUREMENT PRODUCTS FOR RADON AND LEAD

September 7, 1994

EMERY & GARRETT GRNDWTR
170 WAUKEWAN STREET
MEREDITH, NH 03253

SITE ADDRESS:
NEW BALTIMORE, VA 22186

Thank you for choosing NITON for your radon testing.

Your radon test results are listed by vial number in the space below. These radon results are strictly confidential, though some state laws require reporting (by zip code only in New England).

VIAL NUMBER	TEST LOCATION	TEST BEGIN	RADON CONCENTRATION
727567	WELL E-7	09/01/94	450 pCi/L
727506	WELL E-6	09/02/94	1700 pCi/L
727552	WELL E-1	09/02/94	4100 pCi/L

Radon-laden water can be a source of elevated levels of radon in indoor air, as radon gas escapes from the water into the air. The U.S. E.P.A. is currently setting guidelines for public water systems but has not set guidelines for acceptable levels of radon in private wells. Various states, including Massachusetts, Maine and New Hampshire, have set action guidelines of 10,000 to 20,000 pCi/L.

On average, 10,000 picoCuries of radon in a liter of water contributes about 1 pCi/L of radon to indoor air of a house. Thus, a level of 20,000 picoCuries in the water could result in adding 2 pCi/L to the level of radon in air. A level of 4,800 pCi/L in water could add .48 pCi/L to the air.

Additional information on radon in water may be found enclosed.

Our testing laboratory techniques have consistently passed the U.S. Environmental Protection Agency Proficiency Tests. No commercially available radon tests are more precise. If test instructions were followed, you can be confident that these results are accurate measures of the radon levels at the time the tests were done. Radon levels may fluctuate over time. NOTE: NITON IS NOT RESPONSIBLE FOR INACCURACIES CAUSED BY IMPROPER USE OF THE DETECTORS, INCORRECT OR INCOMPLETE TEST INFORMATION, OR DAMAGE TO THE DETECTORS IN TRANSIT.

P.O.Box 368 • Bedford, MA 01730-0368 • Telephone: 617-275-9275 • Fax: 617-275-2397

Printed on Recycled Paper

BACTERIOLOGICAL ANALYSIS INPUT FORM

DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	LAB ANALYSIS - RESULT	DATE COMPLETED MO.	DAY	YR
6061318	05		Coliform	CPN	( )COLIFORM ABSENT (/)COLIFORM PRESENT ( )COLLECT REPEATS	09	05	94

DISINFECTANT/OXIDANT? YES ☐ NO ☑ RLS CL _____ PPM

MPN 13 L412422

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO	DAY	YR	SAMPLE TYPE	TIME	COLLECTED BY: V.D.C. RS
	Fauquier WSA New Baltimore Well E-7	9	1	94		0800	LAB ID 0100 LABORATORY NAME/ANALYST

PUBLIC WATER SYSTEM NAME AND ADDRESS

Valley Drilling Corporation of Virginia
9172 John S. Mosby Highway
Upperville, VA 22176

( )MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC OR TURBID CULTURE

UNSATISFACTORY: PLEASE RESAMPLE — DCLS LAB USE ONLY

( )INSUFFICIENT DATA ( )NO FORM ENCLOSED ( )LEAKED ( )NO PWSID
( )INSUFFICIENT QUANTITY ( )INCORRECT CONTAINER ( )RECEIVED OUT OF DATE
( )CONFLUENT GROWTH ( )TNTC ( )TURBID CULTURE
( )OTHER _____

BACTERIOLOGICAL ANALYSIS INPUT FORM

DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	LAB ANALYSIS - RESULT	DATE COMPLETED MO.	DAY	YR
6061318	05		Coliform	CPN	( )COLIFORM ABSENT (/)COLIFORM PRESENT ( )COLLECT REPEATS	09	05	94

DISINFECTANT/OXIDANT? YES ☐ NO ☑ RLS CL _____ PPM

MPN 23 L412423

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO	DAY	YR	SAMPLE TYPE	TIME	COLLECTED BY: V.D.C. RS
	Fauquier WSA New Baltimore Well-E-7	9	1	94		0100	LAB ID 0100 LABORATORY NAME/ANALYST

PUBLIC WATER SYSTEM NAME AND ADDRESS

Valley Drilling Corporation of Virginia
9172 John S. Mosby Highway
Upperville, VA 22176

( )MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC OR TURBID CULTURE

UNSATISFACTORY: PLEASE RESAMPLE — DCLS LAB USE ONLY

( )INSUFFICIENT DATA ( )NO FORM ENCLOSED ( )LEAKED ( )NO PWSID
( )INSUFFICIENT QUANTITY ( )INCORRECT CONTAINER ( )RECEIVED OUT OF DATE
( )CONFLUENT GROWTH ( )TNTC ( )TURBID CULTURE
( )OTHER _____

BACTERIOLOGICAL ANALYSIS INPUT FORM

DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	LAB ANALYSIS - RESULT	DATE COMPLETED MO.	DAY	YR
6061318	05		Coliform	CPN	( )COLIFORM ABSENT (/)COLIFORM PRESENT ( )COLLECT REPEATS			

DISINFECTANT/OXIDANT? YES ☐ NO ☐ RLS CL _____ PPM

MPN <2 L412417

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO	DAY	YR	SAMPLE TYPE	TIME	COLLECTED BY: V.D.C. R.S.
	Fauquier WSA New Baltimore Well-E-7	9	1	94		0200	LAB ID. 0100 LABORATORY NAME/ANALYST

PUBLIC WATER SYSTEM NAME AND ADDRESS

Valley Drilling Corporation of Virginia
9172 John S. Mosby Highway
Upperville, VA 22176

( )MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC OR TURBID CULTURE

UNSATISFACTORY: PLEASE RESAMPLE — DCLS LAB USE ONLY

( )INSUFFICIENT DATA ( )NO FORM ENCLOSED ( )LEAKED ( )NO PWSID
( )INSUFFICIENT QUANTITY ( )INCORRECT CONTAINER ( )RECEIVED OUT OF DATE
( )CONFLUENT GROWTH ( )TNTC ( )TURBID CULTURE
( )OTHER _____

BACTERIOLOGICAL ANALYSIS INPUT FORM

DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - METHOD	LAB ANALYSIS - RESULT	DATE COMPLETED MO.	DAY	YR
6061318	05		Coliform	CPN	[ ] COLIFORM ABSENT [/] COLIFORM PRESENT COLLECT REPEATS	09	05	94

CHLORINATED? YES [ ] NO [/] RLS CL _____ PPM MPN 4 L4124 6

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO	DAY	YR	SAMPLE TYPE	TIME	COLLECTED BY: V.D.C. R.S. LAB ID	LABORATORY NAME/ANALYST
	Fauquier WSA New Baltimore Well E-7	9	1	94	[ ]	0300	0100	JM

PUBLIC WATER SYSTEM NAME AND ADDRESS
Valley Drilling Corporation of Virginia
9172 John S. Mosby Highway
Upperville, VA 22176

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH OR TNTC OR TURBID CULTURE

UNSATISFACTORY: PLEASE RESAMPLE
[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER _____

BACTERIOLOGICAL ANALYSIS INPUT FORM

DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - METHOD	LAB ANALYSIS - RESULT	DATE COMPLETED MO.	DAY	YR
6061318	05		Coliform	CPN	[ ] COLIFORM ABSENT [/] COLIFORM PRESENT COLLECT REPEATS	09	05	94

CHLORINATED? YES [ ] NO [/] RLS CL _____ PPM MPN 8 L4121

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO	DAY	YR	SAMPLE TYPE	TIME	COLLECTED BY: V.D.C. - R.S. LAB ID	LABORATORY NAME/ANALYST
	Fauquier WSA New Baltimore Well-E-7	9	1	94	[ ]	0700	0100	JM

PUBLIC WATER SYSTEM NAME AND ADDRESS
Valley Drilling Corporation of Virginia
9172 John S. Mosby Highway
Upperville, VA 22176

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH OR TNTC OR TURBID CULTURE

UNSATISFACTORY: PLEASE RESAMPLE
[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER _____

BACTERIOLOGICAL ANALYSIS INPUT FORM

DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - METHOD	LAB ANALYSIS - RESULT	DATE COMPLETED MO.	DAY	YR
6061318	05		Coliform	CPN	[ ] COLIFORM ABSENT [/] COLIFORM PRESENT COLLECT REPEATS	09	05	94

CHLORINATED? YES [ ] NO [/] RLS CL _____ PPM MPN 2 L4120

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO	DAY	YR	SAMPLE TYPE	TIME	COLLECTED BY: V.D.C. R.S. LAB ID	LABORATORY NAME/ANALYST
	Fauquier WSA New Baltimore Well-E-7	9	1	94	[ ]	0900	0100	JM

PUBLIC WATER SYSTEM NAME AND ADDRESS
Valley Drilling Corp of VA
9172 John Mosby Hwy
Upperville, VA 22176

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH OR TNTC OR TURBID CULTURE

UNSATISFACTORY: PLEASE RESAMPLE
[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER _____

BACTERIOLOGICAL ANALYSIS INPUT FORM — DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	LAB ANALYSIS - RESULT	DATE COMPLETED MO.	DAY	YR
6061318	05		Coliform	CPN	[ ] COLIFORM ABSENT [/] COLIFORM PRESENT COLLECT REPEATS	09	05	94

CHLORINATED? YES [ ] NO [/] RLS CL _____ PPM — MPN 23 — L412418

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO	DAY	YR	SAMPLE TYPE	TIME	COLLECTED BY	LAB ID	LABORATORY NAME/ANALYST
	Rapidan WSA New Baltimore Well E-7	9	1	94	[■]	0500	V.O.C. R.S.	0100	JM

PUBLIC WATER SYSTEM NAME AND ADDRESS

Valley Drilling Corporation of Virginia
9172 John S. Mosby Highway
Upperville, VA 22176

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

DCLS LAB USE ONLY — UNSATISFACTORY. PLEASE RESAMPLE

[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER _____

BACTERIOLOGICAL ANALYSIS INPUT FORM — DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	LAB ANALYSIS - RESULT	DATE COMPLETED MO.	DAY	YR
6061318	05		Coliform	CPN	[ ] COLIFORM ABSENT [/] COLIFORM PRESENT COLLECT REPEATS	09	05	94

CHLORINATED? YES [ ] NO [/] RLS CL _____ PPM — MPN 50 — L412419

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO	DAY	YR	SAMPLE TYPE	TIME	COLLECTED BY	LAB ID	LABORATORY NAME/ANALYST
	Rapidan WSA New Baltimore Well E-7	9	1	94	[■]	0400	V.O.C. R.S.	0100	JM

PUBLIC WATER SYSTEM NAME AND ADDRESS

Valley Drilling Corporation of Virginia
9172 John S. Mosby Highway
Upperville, VA 22176

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

DCLS LAB USE ONLY — UNSATISFACTORY. PLEASE RESAMPLE

[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER _____

BACTERIOLOGICAL ANALYSIS INPUT FORM — DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	LAB ANALYSIS - RESULT	DATE COMPLETED MO.	DAY	YR
6061318	05		Coliform	CPN	[ ] COLIFORM ABSENT [/] COLIFORM PRESENT COLLECT REPEATS	09	05	94

CHLORINATED? YES [ ] NO [/] RLS CL _____ PPM — MPN 4 — L412421

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO	DAY	YR	SAMPLE TYPE	TIME	COLLECTED BY	LAB ID	LABORATORY NAME/ANALYST
	Rapidan WSA New Baltimore Well E-7	9	1	94	[■]	0600	V.O.C. R.S.	0100	JM

PUBLIC WATER SYSTEM NAME AND ADDRESS

Valley Drilling Corporation of Virginia
9172 John S. Mosby Highway
Upperville, VA 22176

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

DCLS LAB USE ONLY — UNSATISFACTORY. PLEASE RESAMPLE

[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER _____

VALLEY DRILLING CORPORATION OF VIRGINIA

Rt. 1, Box 6K
Upperville, Virginia 22176
703/592-3239 1-800/582-9355(WELL) FAX 703/592-3250

WELL DRILLING WATER SYSTEMS

FACSIMILE TRANSMISSION

DATE 9-21-94 TIME

FROM Dennis TO EGGI

PROJECT TITLE E-7 New BAT. ATTN DAN

PURCHASE ORDER NUMBER FAX NO 603-279-8717

TRANSMITTING 8 PAGES, INCLUDING COVER SHEET.

DOCUMENT

___ LETTER ___ CONTRACT/PROPOSAL
___ SKETCH ___ ESTIMATE
___ SUBMITTAL INFORMATION 1 OTHER

IN THE EVENT OF TRANSMISSION PROBLEM, PLEASE CALL:
1-800/582-WELL (9355) (In Virginia) or
703/592-3239

OUR FACSIMILE NUMBER IS 703/592-3250

REMARKS DAN - Just Received BACT RESULTS
WELL E-7 New BAT.

Dennis

**** CONFIRMING COPY SENT VIA MAIL ✓ YES ___ NO ****

END

BACTERIOLOGICAL ANALYSIS INPUT FORM DO NOT WRITE IN SHADED AREA - DCLS LAB USE ON

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	COLIFORM ABSENT / COLIFORM PRESENT COLLECT REPEATS	DATE COMPLETED MO.	DAY	YR.
1061318	05		Coliform	CPW		09	17	94

CHLORINATED? YES ☐ NO ☑ RLS CL _____ PPM

<2 L4 13217

SAMPLE LOCATION LOCATION NAME	DATE COLLECTED MO.	DAY	YR.	SAMPLE TYPE	TIME	COLLECTED BY: V.D.C.-D.R.
Fauquier WSA New Baltimore Well E-7	9	15	94		930	TELEPHONE (703) 592-3239 AREA CODE

☐ MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

PUBLIC WATER SYSTEM NAME AND ADDRESS
VALLEY DRILLING CORP. OF VA.
9172 JOHN S. MOSBY HWY.
UPPERVILLE, VA 22176
703/592-3238

LAB ID 01110 LABORATORY NAME/ANALYST

DCLS LAB USE ONLY
UNSATISFACTORY: PLEASE RESAMPLE
☐ INSUFFICIENT DATA ☐ NO FORM ENCLOSED ☐ LEAKED ☐ NO PWSID
☐ INSUFFICIENT QUANTITY ☐ INCORRECT CONTAINER ☐ RECEIVED OUT OF DATE
☐ CONFLUENT GROWTH ☐ TNTC ☐ TURBID CULTURE
☐ OTHER

BACTERIOLOGICAL ANALYSIS INPUT FORM DO NOT WRITE IN SHADED AREA - DCLS LAB USE ONL

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	COLIFORM ABSENT / COLIFORM PRESENT COLLECT REPEATS	DATE COMPLETED MO.	DAY	YR.
1061318	05		Coliform	CPW		09	17	94

CHLORINATED? YES ☐ NO ☑ RLS CL _____ PPM

<2 L4 13216

SAMPLE LOCATION LOCATION NAME	DATE COLLECTED MO.	DAY	YR.	SAMPLE TYPE	TIME	COLLECTED BY: V.D.C.-D.R.
Fauquier WSA New Baltimore Well E-7	9	15	94		530	TELEPHONE (703) 592-3239 AREA CODE

☐ MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

PUBLIC WATER SYSTEM NAME AND ADDRESS
VALLEY DRILLING CORP. OF VA.
9172 JOHN S. MOSBY HWY.
UPPERVILLE, VA 22176
703/592-3239

LAB ID 01110 LABORATORY NAME/ANALYST

DCLS LAB USE ONLY
UNSATISFACTORY: PLEASE RESAMPLE
☐ INSUFFICIENT DATA ☐ NO FORM ENCLOSED ☐ LEAKED ☐ NO PWSID
☐ INSUFFICIENT QUANTITY ☐ INCORRECT CONTAINER ☐ RECEIVED OUT OF DATE
☐ CONFLUENT GROWTH ☐ TNTC ☐ TURBID CULTURE
☐ OTHER

END

BACTERIOLOGICAL ANALYSIS INPUT FORM — DO NOT WRITE IN SHADED AREA - DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	RESULT	DATE COMPLETED MO.	DAY	YR.
6061318	05		Coliform	CPN	[ ] COLIFORM ABSENT [ ] COLIFORM PRESENT [ ] COLLECT RPTS	09	17	94

CHLORINATED? YES [ ] NO [✓] RLS CL _____ PPM

< 2

L413220

SAMPLE LOCATION — LOCATION NAME	DATE COLLECTED MO.	DAY	YR.	SAMPLE TYPE	TIME
Fauquier WSA New Baltimore Well E-7	9	15	94		830

COLLECTED BY: V.D.C.-D.R.

TELEPHONE (703) 592-3239 AREA CODE

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

PUBLIC WATER SYSTEM NAME AND ADDRESS
VALLEY DRILLING CORP. OF VA.
9172 JOHN S. MOSBY HWY.
UPPERVILLE, VA 22176
703/592-3239

LAB ID: 0100 — LABORATORY NAME/ANALYST: DCLS

DCLS LAB USE ONLY

UNSATISFACTORY: PLEASE RESAMPLE
[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER

BACTERIOLOGICAL ANALYSIS INPUT FORM — DO NOT WRITE IN SHADED AREA - DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	RESULT	DATE COMPLETED MO.	DAY	YR.
6061318	05		Coliform	CPN	[ ] COLIFORM ABSENT [ ] COLIFORM PRESENT [ ] COLLECT RPTS	09	17	94

CHLORINATED? YES [ ] NO [✓] RLS CL _____ PPM

< 2

L413219

SAMPLE LOCATION — LOCATION NAME	DATE COLLECTED MO.	DAY	YR.	SAMPLE TYPE	TIME
Fauquier WSA New Baltimore Well E-7	9	15	94		300

COLLECTED BY: V.D.C.-D.R.

TELEPHONE (703) 592-3239 AREA CODE

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

PUBLIC WATER SYSTEM NAME AND ADDRESS
VALLEY DRILLING CORP. OF VA.
9172 JOHN S. MOSBY HWY.
UPPERVILLE, VA 22176
703/592-3239

LAB ID: 0100 — LABORATORY NAME/ANALYST: DCLS

DCLS LAB USE ONLY

UNSATISFACTORY: PLEASE RESAMPLE
[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER

BACTERIOLOGICAL ANALYSIS INPUT FORM — DO NOT WRITE IN SHADED AREA - DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	RESULT	DATE COMPLETED MO.	DAY	YR.
6061318	05		Coliform	CPN	[ ] COLIFORM ABSENT [ ] COLIFORM PRESENT [ ] COLLECT RPTS	09	17	94

CHLORINATED? YES [ ] NO [✓] RLS CL _____ PPM

< 2

L413218

SAMPLE LOCATION — LOCATION NAME	DATE COLLECTED MO.	DAY	YR.	SAMPLE TYPE	TIME
Fauquier WSA New Baltimore Well E-7	9	15	94		200

COLLECTED BY: V.D.C.-D.R.

TELEPHONE (703) 592-3239 AREA CODE

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

PUBLIC WATER SYSTEM NAME AND ADDRESS
VALLEY DRILLING CORP. OF VA.
9172 JOHN S. MOSBY HWY.
UPPERVILLE, VA 22176
703/592-3239

LAB ID: 0100 — LABORATORY NAME/ANALYST: DCLS

DCLS LAB USE ONLY

UNSATISFACTORY: PLEASE RESAMPLE
[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER

END

BACTERIOLOGICAL ANALYSIS INPUT FORM — DO NOT WRITE IN SHADED AREA - DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	RESULT	DATE COMPLETED MO.	DAY	YR.
6061318	05		Coliform	MPN	[ ] COLIFORM ABSENT [ ] COLIFORM PRESENT COLLECT REPEATS	09	17	94

CHLORINATED? YES [ ] NO [X] RLS CL _____ PPM — <2 — L41 3223

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO.	DAY	YR.	SAMPLE TYPE	TIME	COLLECTED BY: KDC - DR.
	Fauquier WSA New Baltimore Well E-7	09	15	94		1100	TELEPHONE (703) 592-3239 AREA CODE

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

PUBLIC WATER SYSTEM NAME AND ADDRESS
Valley Drilling Corp of VA.
9172 John Mosby Hwy
Upperville, VA. 22176

LAB ID. 0110 — LABORATORY NAME/ANALYST [redacted] RW

DCLS LAB USE ONLY
UNSATISFACTORY: PLEASE RESAMPLE
[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER

BACTERIOLOGICAL ANALYSIS INPUT FORM — DO NOT WRITE IN SHADED AREA - DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	RESULT	DATE COMPLETED MO.	DAY	YR.
6061318	05		Coliform	MPN	[ ] COLIFORM ABSENT [ ] COLIFORM PRESENT COLLECT REPEATS	09	17	94

CHLORINATED? YES [ ] NO [X] RLS CL _____ PPM — <2 — L41 3222

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO.	DAY	YR.	SAMPLE TYPE	TIME	COLLECTED BY: V.D.C. - D.R.
	Fauquier WSA New Baltimore Well E-7	09	15	94		2300	TELEPHONE (703) 592-3239 AREA CODE

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

PUBLIC WATER SYSTEM NAME AND ADDRESS
VALLEY DRILLING CORP. OF VA.
9172 JOHN S. MOSBY HWY.
UPPERVILLE, VA 22176
703/592-3239

LAB ID. 0100 — LABORATORY NAME/ANALYST [redacted] RW

DCLS LAB USE ONLY
UNSATISFACTORY: PLEASE RESAMPLE
[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER

BACTERIOLOGICAL ANALYSIS INPUT FORM — DO NOT WRITE IN SHADED AREA - DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	RESULT	DATE COMPLETED MO.	DAY	YR.
6061318	05		Coliform	MPN	[ ] COLIFORM ABSENT [ ] COLIFORM PRESENT COLLECT REPEATS	09	17	94

CHLORINATED? YES [ ] NO [X] RLS CL _____ PPM — <2 — L41 3221

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO.	DAY	YR.	SAMPLE TYPE	TIME	COLLECTED BY: V.D.C. - D.R.
	Fauquier WSA New Baltimore Well E-7	09	15	94		0600	TELEPHONE (703) 592-3239 AREA CODE

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

PUBLIC WATER SYSTEM NAME AND ADDRESS
VALLEY DRILLING CORP. OF VA.
9172 JOHN S. MOSBY HWY.
UPPERVILLE, VA 22176
703/592-3239

LAB ID. 0100 — LABORATORY NAME/ANALYST [redacted] RW

DCLS LAB USE ONLY
UNSATISFACTORY: PLEASE RESAMPLE
[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER

END

BACTERIOLOGICAL ANALYSIS INPUT FORM — DO NOT WRITE IN SHADED AREA - DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	LAB ANALYSIS - RESULT	DATE COMPLETED MO.	DAY	YR.
6061318	05		Coliform	CPN	[ ] COLIFORM ABSENT [ ] COLIFORM PRESENT [ ] COLLECT REPEATS	09	17	94

CHLORINATED? YES [ ] NO [✓] RLS CL _____ PPM — (<2) — L413226

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO.	DAY	YR.	SAMPLE TYPE	TIME	COLLECTED BY: V.D.C.-D.R.
	Rappahannock WSA New Baltimore Well E-7	9	15	94	[■]	1000	TELEPHONE (703) 592-3239 AREA CODE

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

PUBLIC WATER SYSTEM NAME AND ADDRESS
VALLEY DRILLING CORP. OF VA.
9172 JOHN S. MOSBY HWY.
UPPERVILLE, VA 22176
~~703/592-3239~~

LAB ID. 0100 — LABORATORY NAME/ANALYST (BW)

DCLS LAB USE ONLY
UNSATISFACTORY: PLEASE RESAMPLE
[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWS ID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER _____

BACTERIOLOGICAL ANALYSIS INPUT FORM — DO NOT WRITE IN SHADED AREA - DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	LAB ANALYSIS - RESULT	DATE COMPLETED MO.	DAY	YR.
6061318	05		Coliform	CPN	[ ] COLIFORM ABSENT [ ] COLIFORM PRESENT [ ] COLLECT REPEATS	09	17	94

CHLORINATED? YES [ ] NO [✓] RLS CL _____ PPM — (<2) — L413225

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO.	DAY	YR.	SAMPLE TYPE	TIME	COLLECTED BY: V.D.C.-D.R.
	Rappahannock WSA New Baltimore Well E-7	9	15	94	[■]	800	TELEPHONE (703) 592-3239 AREA CODE

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

PUBLIC WATER SYSTEM NAME AND ADDRESS
VALLEY DRILLING CORP. OF VA.
9172 JOHN S. MOSBY HWY.
UPPERVILLE, VA 22176
~~703/592-3239~~

LAB ID. 0100 — LABORATORY NAME/ANALYST (BW)

DCLS LAB USE ONLY
UNSATISFACTORY: PLEASE RESAMPLE
[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWS ID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER _____

BACTERIOLOGICAL ANALYSIS INPUT FORM — DO NOT WRITE IN SHADED AREA - DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	LAB ANALYSIS - RESULT	DATE COMPLETED MO.	DAY	YR.
6061318	05		Coliform	CPN	[ ] COLIFORM ABSENT [ ] COLIFORM PRESENT [ ] COLLECT REPEATS	09	17	94

CHLORINATED? YES [ ] NO [✓] RLS CL _____ PPM — (<2) — L413224

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO.	DAY	YR.	SAMPLE TYPE	TIME	COLLECTED BY: VDC - DR
	RAPPAHANNOCK WSA NEW BALTIMORE WELL E-7	9	15	94	[■]	130	TELEPHONE (703) 592-3239 AREA CODE

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

PUBLIC WATER SYSTEM NAME AND ADDRESS
Valley Drilling Corp of VA.
9172 John Mosby Hwy
Upperville, VA. 22176

LAB ID. 0100 — LABORATORY NAME/ANALYST (BW)

DCLS LAB USE ONLY
UNSATISFACTORY: PLEASE RESAMPLE
[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWS ID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER _____

END

BACTERIOLOGICAL ANALYSIS INPUT FORM — DO NOT WRITE IN SHADED AREA - DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	LAB ANALYSIS - RESULT	DATE COMPLETED MO.	DAY	YR.
6061318	05		Coliform	CPN	[ ] COLIFORM ABSENT [ ] COLIFORM PRESENT COLLECT REPEATS	09	17	94

CHLORINATED? YES [ ] NO [✓] RLS CL _____ PPM

(<2)

L413235

SAMPLE LOCATION LOCATION NAME	DATE COLLECTED MO.	DAY	YR.	SAMPLE TYPE	SAMPLE TIME
Fauquier WSA New Baltimore Well E-7	9	15	94		900

COLLECTED BY: V.D.C.-D.R.
TELEPHONE (703) 592-3239
AREA CODE
[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

PUBLIC WATER SYSTEM NAME AND ADDRESS
VALLEY DRILLING CORP. OF VA.
9172 JOHN S. MOSBY HWY.
UPPERVILLE, VA 22176
703/592-3239

LAB ID: 0100 — LABORATORY NAME/ANALYST: [signature]

UNSATISFACTORY: PLEASE RESAMPLE — DCLS LAB USE ONLY
[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER

BACTERIOLOGICAL ANALYSIS INPUT FORM — DO NOT WRITE IN SHADED AREA - DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	LAB ANALYSIS - RESULT	DATE COMPLETED MO.	DAY	YR.
6061318	05		Coliform	CPN	[ ] COLIFORM ABSENT [ ] COLIFORM PRESENT COLLECT REPEATS	09	17	94

CHLORINATED? YES [ ] NO [✓] RLS CL _____ PPM

(<2)

L413234

SAMPLE LOCATION LOCATION NAME	DATE COLLECTED MO.	DAY	YR.	SAMPLE TYPE	SAMPLE TIME
Fauquier WSA New Baltimore Well E-7	9	15	94		500

COLLECTED BY: V.D.C.-D.R.
TELEPHONE (703) 592-3239
AREA CODE
[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

PUBLIC WATER SYSTEM NAME AND ADDRESS
VALLEY DRILLING CORP. OF VA.
9172 JOHN S. MOSBY HWY.
UPPERVILLE, VA 22176
703/592-3239

LAB ID: 0100 — LABORATORY NAME/ANALYST: [signature]

UNSATISFACTORY: PLEASE RESAMPLE — DCLS LAB USE ONLY
[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER

BACTERIOLOGICAL ANALYSIS INPUT FORM — DO NOT WRITE IN SHADED AREA - DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	LAB ANALYSIS - RESULT	DATE COMPLETED MO.	DAY	YR.
6061318	05		Coliform	CPN	[ ] COLIFORM ABSENT [ ] COLIFORM PRESENT COLLECT REPEATS	09	17	94

CHLORINATED? YES [ ] NO [✓] RLS CL _____ PPM

(<2)

L413233

SAMPLE LOCATION LOCATION NAME	DATE COLLECTED MO.	DAY	YR.	SAMPLE TYPE	SAMPLE TIME
Fauquier WSA New Baltimore Well E-7	9	15	94		330

COLLECTED BY: V.D.C.-D.R.
TELEPHONE (703) 592-3239
AREA CODE
[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

PUBLIC WATER SYSTEM NAME AND ADDRESS
VALLEY DRILLING CORP. OF VA.
9172 JOHN S. MOSBY HWY.
UPPERVILLE, VA 22176
703/592-3239

LAB ID: 0100 — LABORATORY NAME/ANALYST: [signature]

UNSATISFACTORY: PLEASE RESAMPLE — DCLS LAB USE ONLY
[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER

END

BACTERIOLOGICAL ANALYSIS INPUT FORM

DO NOT WRITE IN SHADED AREA - DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	LAB ANALYSIS - RESULT	DATE COMPLETED MO.	DAY	YR.
6061318	05		Coliform	CPN	[ ] COLIFORM ABSENT [ ] COLIFORM PRESENT COLLECT REPEATS	09	17	94

CHLORINATED? YES [ ] NO [✓] RLS CL _____ PPM

(<2) L413229

SAMPLE LOCATION LOCATION NAME	DATE COLLECTED MO.	DAY	YR.	SAMPLE TYPE	SAMPLE TIME
Pauquier WSA New Baltimore Well E-7	9	15	94	■	430

COLLECTED BY: V.D.C.-D.R.
TELEPHONE (703) 592-3239
AREA CODE
[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

PUBLIC WATER SYSTEM NAME AND ADDRESS
VALLEY DRILLING CORP. OF VA.
9172 JOHN S. MOSBY HWY.
UPPERVILLE, VA 22176
703/592-3239

LAB ID: 0100 LABORATORY NAME/ANALYST: [signature]

UNSATISFACTORY: PLEASE RESAMPLE
[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER

DCLS LAB USE ONLY

BACTERIOLOGICAL ANALYSIS INPUT FORM

DO NOT WRITE IN SHADED AREA - DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	LAB ANALYSIS - RESULT	DATE COMPLETED MO.	DAY	YR.
6061318	05		Coliform	CPN	[ ] COLIFORM ABSENT [ ] COLIFORM PRESENT COLLECT REPEATS	09	17	94

CHLORINATED? YES [ ] NO [✓] RLS CL _____ PPM

(<2) L413228

SAMPLE LOCATION LOCATION NAME	DATE COLLECTED MO.	DAY	YR.	SAMPLE TYPE	SAMPLE TIME
Pauquier WSA New Baltimore Well E-7	9	15	94	■	1030

COLLECTED BY: V.D.C.-D.R.
TELEPHONE (703) 592-3239
AREA CODE
[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

PUBLIC WATER SYSTEM NAME AND ADDRESS
VALLEY DRILLING CORP. OF VA.
9172 JOHN S. MOSBY HWY.
UPPERVILLE, VA 22176
703/592-3239

LAB ID: 0100 LABORATORY NAME/ANALYST: [signature]

UNSATISFACTORY: PLEASE RESAMPLE
[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER

DCLS LAB USE ONLY

BACTERIOLOGICAL ANALYSIS INPUT FORM

DO NOT WRITE IN SHADED AREA - DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	LAB ANALYSIS - RESULT	DATE COMPLETED MO.	DAY	YR.
6061318	05		Coliform	CPN	[ ] COLIFORM ABSENT [ ] COLIFORM PRESENT COLLECT REPEATS	09	17	94

CHLORINATED? YES [ ] NO [✓] RLS CL _____ PPM

(<2) L413227

SAMPLE LOCATION LOCATION NAME	DATE COLLECTED MO.	DAY	YR.	SAMPLE TYPE	SAMPLE TIME
Pauquier WSA New Baltimore Well E-7	09	15	94	■	730

COLLECTED BY: V.D.C.-D.R.
TELEPHONE (703) 592-3239
AREA CODE
[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

PUBLIC WATER SYSTEM NAME AND ADDRESS
VALLEY DRILLING CORP. OF VA.
9172 JOHN S. MOSBY HWY.
UPPERVILLE, VA 22176
703/592-3239

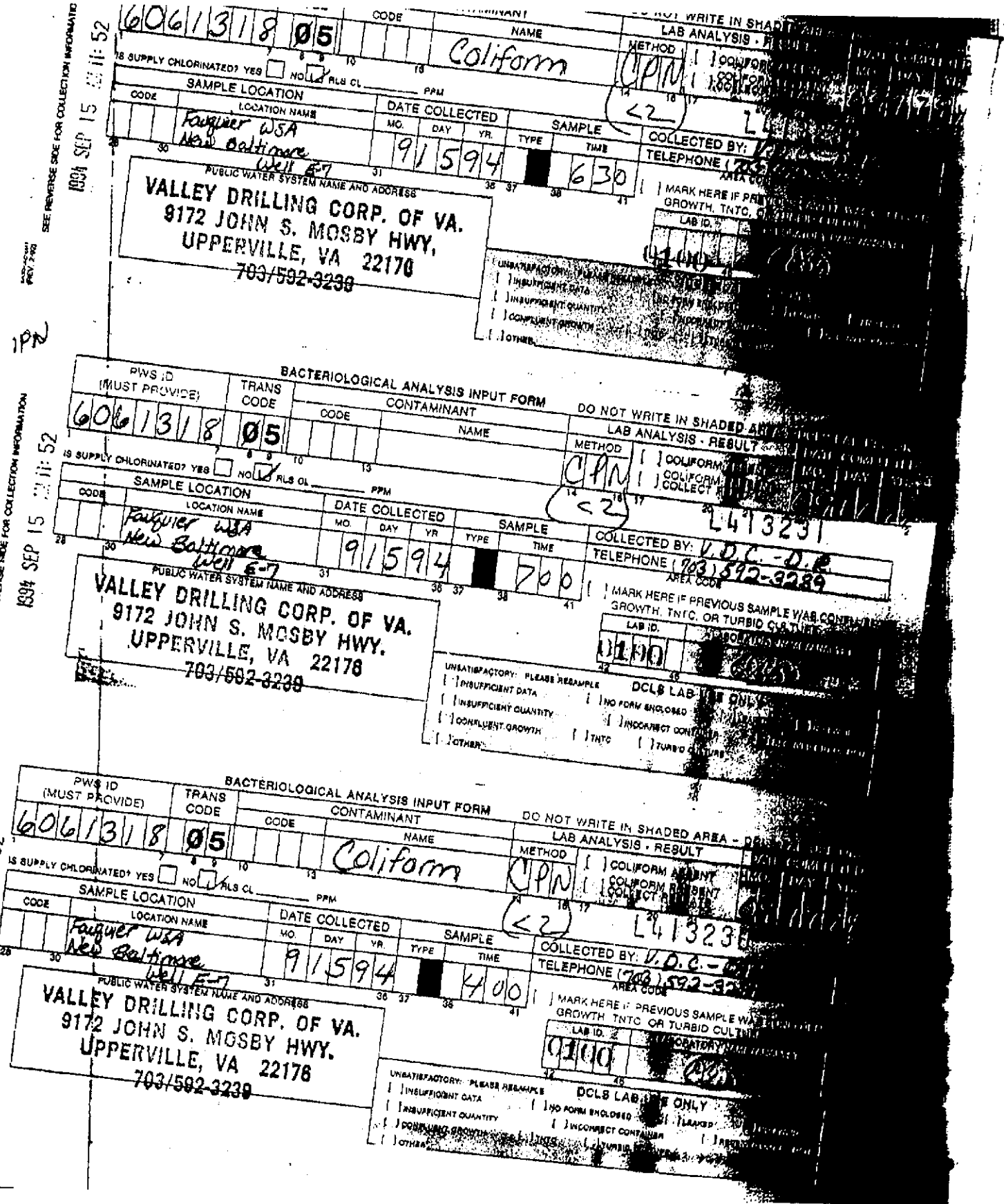
LAB ID: 0100 LABORATORY NAME/ANALYST: [signature]

UNSATISFACTORY: PLEASE RESAMPLE
[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER

DCLS LAB USE ONLY

END

END



BACTERIOLOGICAL ANALYSIS INPUT FORM

DO NOT WRITE IN SHADED AREA

PWS ID (MUST PROVIDE): 6061318

TRANS CODE: 05

CONTAMINANT CODE: 13

CONTAMINANT NAME: Coliform

IS SUPPLY CHLORINATED? YES ☐ NO ☐ RLS CL _____ PPM

SAMPLE LOCATION CODE: 28

LOCATION NAME: Fauquier WSA New Baltimore Well E-7

DATE COLLECTED: MO. 9 DAY 15 YR. 94

SAMPLE TYPE: 30

SAMPLE TIME: 630

PUBLIC WATER SYSTEM NAME AND ADDRESS:
VALLEY DRILLING CORP. OF VA.
9172 JOHN S. MOSBY HWY.
UPPERVILLE, VA 22176
703/592-3239

LAB ANALYSIS - RESULT
METHOD: MPN
RESULT: <2

COLLECTED BY: V.D.C. - D.E.
TELEPHONE (AREA CODE): (703) 592-3289

MARK HERE IF PREVIOUS SAMPLE WAS CONTAMINATED, GROWTH, TNTC, OR TURBID CULTURE

LAB ID: 41323

UNSATISFACTORY: PLEASE RESAMPLE
☐ INSUFFICIENT DATA
☐ INSUFFICIENT QUANTITY
☐ CONFLUENT GROWTH
☐ NO FORM ENCLOSED
☐ INCORRECT CONTAINER
☐ TNTC
☐ TURBID CULTURE
☐ OTHER

DCLS LAB USE ONLY

SEE REVERSE SIDE FOR COLLECTION INFORMATION

1994 SEP 15 11:52

BACTERIOLOGICAL ANALYSIS INPUT FORM

DO NOT WRITE IN SHADED AREA

PWS ID (MUST PROVIDE): 6061318

TRANS CODE: 05

CONTAMINANT CODE: 13

CONTAMINANT NAME: Coliform

IS SUPPLY CHLORINATED? YES ☐ NO ☐ RLS CL _____ PPM

SAMPLE LOCATION CODE: 28

LOCATION NAME: Fauquier WSA New Baltimore Well E-7

DATE COLLECTED: MO. 9 DAY 15 YR. 94

SAMPLE TYPE: 30

SAMPLE TIME: 700

PUBLIC WATER SYSTEM NAME AND ADDRESS:
VALLEY DRILLING CORP. OF VA.
9172 JOHN S. MOSBY HWY.
UPPERVILLE, VA 22176
703/592-3239

LAB ANALYSIS - RESULT
METHOD: MPN
RESULT: <2

COLLECTED BY: V.D.C. - D.E.
TELEPHONE (AREA CODE): (703) 592-3289

MARK HERE IF PREVIOUS SAMPLE WAS CONTAMINATED, GROWTH, TNTC, OR TURBID CULTURE

LAB ID: 41324

UNSATISFACTORY: PLEASE RESAMPLE
☐ INSUFFICIENT DATA
☐ INSUFFICIENT QUANTITY
☐ CONFLUENT GROWTH
☐ NO FORM ENCLOSED
☐ INCORRECT CONTAINER
☐ TNTC
☐ TURBID CULTURE
☐ OTHER

DCLS LAB USE ONLY

SEE REVERSE SIDE FOR COLLECTION INFORMATION

1994 SEP 15 11:52

BACTERIOLOGICAL ANALYSIS INPUT FORM

DO NOT WRITE IN SHADED AREA

PWS ID (MUST PROVIDE): 6061318

TRANS CODE: 05

CONTAMINANT CODE: 13

CONTAMINANT NAME: Coliform

IS SUPPLY CHLORINATED? YES ☐ NO ☐ RLS CL _____ PPM

SAMPLE LOCATION CODE: 28

LOCATION NAME: Fauquier WSA New Baltimore Well E-7

DATE COLLECTED: MO. 9 DAY 15 YR. 94

SAMPLE TYPE: 30

SAMPLE TIME: 400

PUBLIC WATER SYSTEM NAME AND ADDRESS:
VALLEY DRILLING CORP. OF VA.
9172 JOHN S. MOSBY HWY.
UPPERVILLE, VA 22176
703/592-3239

LAB ANALYSIS - RESULT
METHOD: MPN
RESULT: <2

COLLECTED BY: V.D.C. - D.E.
TELEPHONE (AREA CODE): (703) 592-3289

MARK HERE IF PREVIOUS SAMPLE WAS CONTAMINATED, GROWTH, TNTC, OR TURBID CULTURE

LAB ID: 41325

UNSATISFACTORY: PLEASE RESAMPLE
☐ INSUFFICIENT DATA
☐ INSUFFICIENT QUANTITY
☐ CONFLUENT GROWTH
☐ NO FORM ENCLOSED
☐ INCORRECT CONTAINER
☐ TNTC
☐ TURBID CULTURE
☐ OTHER

DCLS LAB USE ONLY

SEE REVERSE SIDE FOR COLLECTION INFORMATION

1994 SEP 15 11:52

WATER CHEMISTRY DURING PUMPING TEST
PRODUCTION WELL M-6a

Emery & Garrett Groundwater, Inc.

DATE COLLECTED	DATE RECEIVED	DATE COMPLETED	SAMPLE CODE
08/30/94	09/01/94	09/13/94	9690042

CUSTOMER ADDRESS
NEW BALTIMORE WELL M-6A 2ND DAY P.T.

DEALER ADDRESS
EMERY & GARRETT GROUNDWTR 170 WAUKEWAN ST MEREDITH, NH 03253-

NATIONAL TESTING LABORATORIES Inc.
6555 Wilson Mills Road
Cleveland, OH 44143
(216) 449-2525

RECEIVED SEP 19 1994

DRINKING WATER ANALYSIS RESULTS

NOTE: "*" indicates that the MCL (Maximum Contaminant Level) has been exceeded, or in the case of pH is either too high OR too low.
"ND" indicates that none of this contaminant has been detected at or above our detection level.
"**" Result may be invalid due to lack of "Time Collected" or because the sample has exceeded the 30-hour time frame.
"BD" Bacteria destroyed due to lack of collection information or because the sample has exceeded the 48-hour time frame.
TNTC-Too Numerous To Count NBS-No Bacteria Submitted

Analysis performed	MCL (mg/l)	Detection Level	Level Detected
Microbiological:			
Total coliform (organism/100ml)	0	0	BD
Inorganic chemicals - metals:			
Aluminum	0.2	0.1	ND
Arsenic	0.05	0.010	ND
Barium	2.0	0.30	ND
Cadmium	0.005	0.002	ND
Chromium	0.1	0.004	ND
Copper	1.3	0.004	0.006
Iron	0.3	0.020	0.54*
Lead	0.015	0.002	ND
Manganese	0.05	0.004	0.20*
Mercury	0.002	0.001	ND
Nickel	0.1	0.02	ND
Selenium	0.05	0.002	ND
Silver	0.1	0.002	ND
Sodium	---	1.0	8.6
Zinc	5.0	0.004	0.031
Inorganic chemicals - other, and physical factors:			
Alkalinity (Total as CaCO3)	---	10.0	140
Chloride	250	5.0	9
Fluoride	4.0	0.5	ND
Nitrate as N	10	0.5	ND
Nitrite as N	1.0	0.5	ND
Sulfate	250	5.0	15
Hardness (suggested limit = 100)		10.0	150*
pH (Standard Units)	6.5-8.5	---	7.3
Total Dissolved Solids	500	20.0	178
Turbidity (Turbidity Units)	1.0	0.1	1.2*
Organic chemicals - trihalomethanes:			
Bromoform	---	0.004	ND
Bromodichloromethane	---	0.002	ND
Chloroform	---	0.002	ND
Dibromochloromethane	---	0.004	ND
Total THMs (sum of four above)	0.1	0.002	ND
Organic chemicals - volatiles:			
Benzene	0.005	0.001	ND
Vinyl Chloride	0.002	0.001	ND
Carbon Tetrachloride	0.005	0.001	ND
1,2-Dichloroethane	0.005	0.001	ND

02/17/95 11:29 ☎703 347 7689 FCWSA ☑002/005

LAB | AME | ATE | TEM | JUG | A | RE | RES | TO | H OF | LAT

SOURCE: Well MG-A

OTHER INFORMATION: DEVELOPMENTAL

Name

Address

City — Zip Code

Water Quality Report

PESTICIDE

BB

WSE 50

Commonwealth of Virginia
Department of Health
Division of Water Programs
Bureau of Water Supply Engineering

REGION: ☐ Abingdon ☐ Danville ☐ Richmond ☐ Local Health Dept. ☑ Culpeper ☐ Lexington ☐ Virginia Beach ☐

PLANNING DISTRICT#

SAMPLING LOCATION: Well Head

SOURCE TYPE: ☑ Public-Community ☐ Public-Noncommunity

COUNTY: Fauquier

CODE: 79

INDEPENDENT CITY:

FIELD TESTS: Temp: Cl_2: mg/L CO_2 mg/L pH: Alk: mg/L Hard.: mg/L

P.W.S.I.D. #: 6061318 (10-16)

TRANSACTION CODE: 03 (17-18)

DATE COLLECTED: Mo 09 Day 01 Yr 1994 (19-24)

TIME: 0800 (25-28)

COLLECTED BY: C. Eazer

CONTAINER TYPE: ☐ Glass ☐ Plastic

PRESERVATIVE USED: ☐ None ☐ Ice ☐ Other ☐ Nitric Acid

SAMPLE TYPE: D ☐ Reg. Dist. P ☐ Plant Tap R ☑ Raw Water C ☐ Check M ☐ MCL Check ☐ Other (29)

CONT. I.D.	CONTAMINANT NAME (Maximum Allowable Level)		MTD.	S	ANALYSIS RESULTS	PRECISION	ANALYSIS DATE Mo Day Yr	A*
2005	Endrin	0.0002	201	<	00004	±	09 16 94	Hmm
2010	Lindane	0.004	201	<	00001	±	09 16 94	Hmm
2015	Methoxychlor	0.1	201	<	00002	±	09 16 94	Hmm
2020	Toxaphene	0.005	201	<	00005	±	09 16 94	Hmm
2105	2,4-D	0.1	206	<	00003	±	09 16 94	Hmm
2110	2,4,5-TP (Silvex)	0.01	206	<	00001	±	09 16 94	Hmm
30-33	LAB I.D. 0200	34-38	39-41		43-50	51-53	54-59	

DATE REC: 9-1

DATE REP: 9-16-94

PREPARED BY: Hazel Marshall

The results on this report are expressed in mg/L unless otherwise indicated. *A = analyst's initials

LAB #: (1-6)

NAME OF WATER SYSTEM: Fauquier WSA — REPORT RESULTS TO HEALTH OFFICIAL AT: Name / Address / City / Zip Code

SOURCE: Well M6-A

OTHER INFORMATION: DVLPMNT

Water Quality Report

RADIOLOGICAL

WSE 50

Commonwealth of Virginia
Department of Health
Division of Water Programs
Bureau of Water Supply Engineering

BB

REGION: [ ] Abingdon [ ] Danville [ ] Richmond [ ] Local Health Dept.
[X] Culpeper [ ] Lexington [ ] Virginia Beach [ ]

PLANNING DISTRICT #: SAMPLING LOCATION: Well Head

COUNTY: Fauquier CODE: [ ][ ] (7-9)

INDEPENDENT CITY:

SOURCE TYPE: [X] Public-Community [ ] Public-Noncommunity

FIELD TESTS: Temp: Cl2: mg/L CO2: mg/L
pH: Alk: mg/L Hard.: mg/L

P.W.S.I.D. #: 6 0 6 1 3 1 8 (10-16) TRANSACTION CODE: 0 3 (17-18)

DATE COLLECTED: Mo 09 Day 01 Yr 1994 (19-24)

TIME: 1010 (25-28)

COLLECTED BY: [illegible]

CONTAINER TYPE: [ ] Glass [ ] Plastic

PRESERVATIVE USED: [ ] None [ ] Ice [ ] Other [ ] Nitric Acid

SAMPLE TYPE: D [ ] Reg. Dist. P [ ] Plant Tap R [X] Raw Water C [ ] Check M [ ] MCL Check S [ ] Other (29)

DATE REC: SEP 1 1994

DATE REP: SEP 30 1994

PREPARED BY: SDugan RLF

CONT. I.D. (30-33)	CONTAMINANT NAME (Maximum Allowable Level)	MTD (39-41)	S (42)	ANALYSIS RESULTS (43-50)	PRECISION (51-53)	ANALYSIS DATE Mo Day Yr (54-59)	A*
4 0 0 0	Gross Alpha 5 pCi/L	4 1 9		Ø Ø 4 1 Ø Ø	± Ø .5	9 4 94	JAP
4 0 1 0	Gross Radium (Alpha)	4 2 0		Ø Ø	± Ø		
4 0 2 0	Radium-226	4 2 1		Ø Ø 1 8 Ø Ø	± Ø .2	9 29 94	SD
4 0 3 0	Radium-228	4 2 2		Ø Ø Ø 9 Ø Ø	± Ø 1.0	9 19 94	SD
4 1 0 0	Gross Beta 50 pCi/L	4 1 9		Ø Ø 6 Ø Ø	± Ø .5	9 4 94	JAP
4 0 0 6	Uranium			Ø Ø Ø Ø	± Ø		
4 1 0 2	Tritium						
	LAB I.D. 0 1 0 0 9 (34-38)						

231-12

OCT 1994 RECEIVED Office of Water Programs Culpeper

4761 011 18 203

The results on this report are expressed in pCi/ l unless otherwise indicated. *A = analyst's initials

BACTERIOLOGICAL ANALYSIS INPUT FORM — DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	RESULT	DATE COMPLETED MO.	DAY	YR.
6061318	05		Coliform	MPN	[ ] COLIFORM ABSENT [/] COLIFORM PRESENT [ ] COLLECT REPEATS	09	03	94

IS SUPPLY CHLORINATED? YES [ ] NO [ ] RLS CL _____ PPM

< 2

L412426

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO	DAY	YR	SAMPLE TYPE	TIME	COLLECTED BY: C. LEAZER
	Fauquier WSA Well MG-A	09	01	94	W	0600	

LAB ID.	LABORATORY NAME/ANALYST
0100	

PUBLIC WATER SYSTEM NAME AND ADDRESS
Fauquier WSA
Culpeper ST
Warrenton, VA 22186

DVLPMNTL

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

DCLS LAB USE ONLY
UNSATISFACTORY: PLEASE RESAMPLE
[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER

BACTERIOLOGICAL ANALYSIS INPUT FORM — DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	RESULT	DATE COMPLETED MO.	DAY	YR.
6061318	05		Coliform	MPN	[ ] COLIFORM ABSENT [/] COLIFORM PRESENT [ ] COLLECT REPEATS	09	03	94

IS SUPPLY CHLORINATED? YES [ ] NO [ ] RLS CL _____ PPM

< 2

L412433

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO	DAY	YR	SAMPLE TYPE	TIME	COLLECTED BY: C. LEAZER
	Fauquier WSA Well MG-A	09	01	94	W	0300	

LAB ID.	LABORATORY NAME/ANALYST
0100	

PUBLIC WATER SYSTEM NAME AND ADDRESS
Fauquier WSA
Culpeper ST
Warrenton, VA 22186

DVLPMNTL

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

DCLS LAB USE ONLY
UNSATISFACTORY: PLEASE RESAMPLE
[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER

BACTERIOLOGICAL ANALYSIS INPUT FORM — DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	RESULT	DATE COMPLETED MO.	DAY	YR.
6061318	05		Coliform	MPN	[ ] COLIFORM ABSENT [/] COLIFORM PRESENT [ ] COLLECT REPEATS	09	03	94

IS SUPPLY CHLORINATED? YES [ ] NO [X] RLS CL _____ PPM

< 2

L412432

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO	DAY	YR	SAMPLE TYPE	TIME	COLLECTED BY: C. LEAZER
	Fauquier WSA Warrenton Well MG-A	09	01	94	W	0100	

LAB ID.	LABORATORY NAME/ANALYST
0100	

PUBLIC WATER SYSTEM NAME AND ADDRESS
Fauquier WSA
Culpeper Street
Warrenton, VA 22186
Well MG-A

DVLPMNTL

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

DCLS LAB USE ONLY
UNSATISFACTORY: PLEASE RESAMPLE
[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER

BACTERIOLOGICAL ANALYSIS INPUT FORM — DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	RESULT	DATE COMPLETED MO.	DAY	YR.
6061318	05		Coliform	MP	N	09	03	94

[ ] COLIFORM ABSENT
[ ] COLIFORM PRESENT COLLECT REPEATS

IS SUPPLY CHLORINATED? YES [ ] NO [ ] RLS CL _____ PPM

<2

L412425

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO	DAY	YR	SAMPLE TYPE	TIME	COLLECTED BY:
	Fauquier WSA Well M6-A	09	01	94	W	0720	C Craze

LAB ID.	LABORATORY NAME/ANALYST
0100	JM

PUBLIC WATER SYSTEM NAME AND ADDRESS
Fauquier WSA
Culpeper ST
Warrenton, VA 22186

DULPMNTL

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

UNSATISFACTORY: PLEASE RESAMPLE — DCLS LAB USE ONLY
[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER

1994 SEP 1 AM 11:44

BACTERIOLOGICAL ANALYSIS INPUT FORM — DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	RESULT	DATE COMPLETED MO.	DAY	YR.
6061318	05		Coliform	MP	N	09	03	94

[ ] COLIFORM ABSENT
[ ] COLIFORM PRESENT COLLECT REPEATS

IS SUPPLY CHLORINATED? YES [ ] NO [ ] RLS CL _____ PPM

<2

L412428

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO	DAY	YR	SAMPLE TYPE	TIME	COLLECTED BY:
	Fauquier WSA Well M6-A	09	01	94	W	0800	C Craze

LAB ID.	LABORATORY NAME/ANALYST
0100	JM

PUBLIC WATER SYSTEM NAME AND ADDRESS
Fauquier WSA
Culpeper ST
Warrenton, VA 22186

DULPMNTL

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

UNSATISFACTORY: PLEASE RESAMPLE — DCLS LAB USE ONLY
[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER

1994 SEP 1 AM 11:44

BACTERIOLOGICAL ANALYSIS INPUT FORM — DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	RESULT	DATE COMPLETED MO.	DAY	YR.
6061318	05		Coliform	MP	N	09	03	94

[ ] COLIFORM ABSENT
[ ] COLIFORM PRESENT COLLECT REPEATS

IS SUPPLY CHLORINATED? YES [ ] NO [ ] RLS CL _____ PPM

<2

L412427

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO	DAY	YR	SAMPLE TYPE	TIME	COLLECTED BY:
	Fauquier WSA Well M6-A	09	01	94	W	0400	C Craze

LAB ID.	LABORATORY NAME/ANALYST
0100	JM

PUBLIC WATER SYSTEM NAME AND ADDRESS
Fauquier WSA
Culpeper ST
Warrenton, VA 22186

DULPMNTL

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH, TNTC, OR TURBID CULTURE

UNSATISFACTORY: PLEASE RESAMPLE — DCLS LAB USE ONLY
[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE

1994 SEP 1 AM 11:44

DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	LAB ANALYSIS - RESULT	DATE COMPLETED MO.	DAY	YR.
6061318	05		Coliform	MPN	[ ] COLIFORM ABSENT [ ] COLIFORM PRESENT [ ] COLLECT REPEATS	09	03	94

IS SUPPLY CHLORINATED? YES [ ] NO [ ] RLS CL _____ PPM

< 2

L41243 1

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO	DAY	YR	SAMPLE TYPE	TIME	COLLECTED BY:	LAB ID.	LABORATORY NAME/ANALYST
	Fauquier WSA Well M6-A	09	01	94	W	0900	C. Lazar	0100	

PUBLIC WATER SYSTEM NAME AND ADDRESS

Fauquier WSA
Culpeper St
Warrenton, VA 22186

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH TNTC OR TURBID CULTURE

DCLS LAB USE ONLY

UNSATISFACTORY: PLEASE RESAMPLE
[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER _____

DULPMUTL

1994 SEP -1 AM 11:44

BACTERIOLOGICAL ANALYSIS INPUT FORM

DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	LAB ANALYSIS - RESULT	DATE COMPLETED MO.	DAY	YR.
6061318	05		Coliform	MPN	[ ] COLIFORM ABSENT [ ] COLIFORM PRESENT [ ] COLLECT REPEATS	09	03	94

IS SUPPLY CHLORINATED? YES [ ] NO [ ] RLS CL _____ PPM

< 2

L41243 0

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO	DAY	YR	SAMPLE TYPE	TIME	COLLECTED BY:	LAB ID.	LABORATORY NAME/ANALYST
	Fauquier WSA Well M6-A	09	01	94	W	0700	C. Lazar	0100	

PUBLIC WATER SYSTEM NAME AND ADDRESS

Fauquier WSA
Culpeper ST
Warrenton VA 22186

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH TNTC OR TURBID CULTURE

DCLS LAB USE ONLY

UNSATISFACTORY: PLEASE RESAMPLE
[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER

DULPMUTL

1994 SEP -1 AM 11:44

BACTERIOLOGICAL ANALYSIS INPUT FORM

DCLS LAB USE ONLY

PWS ID (MUST PROVIDE)	TRANS CODE	CONTAMINANT CODE	CONTAMINANT NAME	LAB ANALYSIS - RESULT METHOD	LAB ANALYSIS - RESULT	DATE COMPLETED MO.	DAY	YR.
6061318	05		Coliform	MPN	[ ] COLIFORM ABSENT [ ] COLIFORM PRESENT [ ] COLLECT REPEATS	09	03	94

IS SUPPLY CHLORINATED? YES [ ] NO [ ] RLS CL _____ PPM

< 2

L41242 9

SAMPLE LOCATION CODE	LOCATION NAME	DATE COLLECTED MO	DAY	YR	SAMPLE TYPE	TIME	COLLECTED BY:	LAB ID.	LABORATORY NAME/ANALYST
	Fauquier WSA Well M6-A	09	01	94	W	0500	C. Lazar	0100	

PUBLIC WATER SYSTEM NAME AND ADDRESS

Fauquier WSA
Culpeper ST
Warrenton, VA 22186

[ ] MARK HERE IF PREVIOUS SAMPLE WAS CONFLUENT GROWTH TNTC OR TURBID CULTURE

DCLS LAB USE ONLY

UNSATISFACTORY: PLEASE RESAMPLE
[ ] INSUFFICIENT DATA [ ] NO FORM ENCLOSED [ ] LEAKED [ ] NO PWSID
[ ] INSUFFICIENT QUANTITY [ ] INCORRECT CONTAINER [ ] RECEIVED OUT OF DATE
[ ] CONFLUENT GROWTH [ ] TNTC [ ] TURBID CULTURE
[ ] OTHER

DVLPMUTL

1994 SEP -1 AM 11:44

Water Quality Report

Commonwealth of Virginia
Department of Health
Division of Water Programs
Bureau of Water Supply Engineering

NITRATE-N NITRITE-N HARDNESS 88 WSE 50

LAB #: 1-7

NAME OF WATER SYSTEM: [illegible] REPORT RESULTS TO HEALTH OFFICIAL AT:

SOURCE: Well No 6-A

OTHER INFORMATION:

Address

DEVELOPMENT

City Zip Code

REGION: Abingdon Danville Richmond Local Health Dept.
Culpeper Lynchburg Virginia Beach Other

PLANNING DISTRICT: SAMPLING LOCATION: Well No 6-A SOURCE TYPE: Public Community
Public Noncommunity

COUNTY: [illegible] CODE: 79

INDEPENDENT CITY:

FIELD TESTS: Temp: Cl2: mg/L CO2: mg/L
pH: Alk: mg/L Hard: mg/L

P.W.S.I.D. #: 6061318 TRANSACTION CODE: 0

DATE COLLECTED: Mo 09 Day 10 Yr 1994

TIME: 0800

COLLECTED BY: [illegible]

CONTAINER TYPE:
Glass
Plastic

PRESERVATIVE USED:
None
Ice
Other
Nitric Acid
Sulfuric Acid

SAMPLE TYPE:
D: Reg. Dist.
P: Plant Tap
R: Raw Water
C: Check
M: MCL Check
O: Other

DATE REC: 09 SEP 94 RO

DATE REP: 09-30-94

PH 2:40

CONT. I.D.	CONTAMINANT NAME (Maximum Allowable Level)	MTD	S	ANALYSIS RESULTS	PRECISION	ANALYSIS DATE Mo	Day	Yr	A
	Nitrate-Nitrogen		<	0.05		09	28	94	[illegible]
	Nitrite-Nitrogen		<	0.05		09	28	94	[illegible]
	Hardness (Total)			17.0					
	Hardness, Calcium			13.0					

LAB I.D.

PREPARED BY: [illegible]

The results on this report are expressed in mg/L unless otherwise indicated. * A = analyst's initials

LAB #: 1-6

NAME OF WATER SYSTEM: FAU Quier WSA

SOURCE: Well MG-A

OTHER INFORMATION: DVLPMNTL

REPORT RESULTS TO HEALTH OFFICIAL AT:
Name
Address
City Zip Code

Water Quality Report

METALS

BB

WSE 50

Commonwealth of Virginia
Department of Health
Division of Water Programs
Bureau of Water Supply Engineering

REGION: [ ] Abingdon [ ] Danville [ ] Richmond [ ] Local Health Dept
[x] Culpeper [ ] Lexington [ ] Virginia Beach [ ]

PLANNING DISTRICT#: SAMPLING LOCATION: Well Head SOURCE TYPE:

COUNTY: CODE: 7-9 [x] Public-Community

INDEPENDENT CITY: [ ] Public-Noncommunity

FIELD TESTS: Temp: Cl_2 mg/L CO_2 mg/L
pH: Alk. mg/L Hard. mg/L

P.W.S.I.D. #: 6061318 10-16 TRANSACTION CODE 03 17-18

DATE COLLECTED
Mo Day Yr
09 01 1994
19-24

TIME: 0800
25-28

COLLECTED BY: [signature]

CONTAINER TYPE:
[ ] Glass
[ ] Plastic

PRESERVATIVE USED:
[ ] None
[ ] Ice
[ ] Other
[ ] Nitric Acid

SAMPLE TYPE:
D [ ] Reg. Dist.
P [ ] Plant Tap
R [x] Raw Water
C [ ] Check
M [ ] MCL Check
[ ] Other

DATE REC:

DATE REP:

SAMPLE NUMBER : 55732 DCLS : BUREAU OF CHEMISTRY

CONT.I.D.	CONTAMINANT NAME (Maximum Allowable Level)		MTD	S	ANALYSIS RESULTS UG/ML
1005	Arsenic	0.05	125		< 0.010
1010	Barium	1.0	108		0.03
1015	Cadmium	0.010	125		< 0.0025
1020	Chromium	0.05	125		< 0.010
1030	Lead	0.05	125		< 0.005
1035	Mercury	0.002	106		< 0.0003
1045	Selenium	0.01	125		< 0.005
1050	Silver	0.05	125		< 0.010
1002	Aluminum		108		< 0.1
1016	Calcium		108		53
1028	Iron	0.30	108		0.73
1031	Magnesium		108		6
1032	Manganese	0.05	108		0.22
1051	Strontium		108		0.8
1095	Zinc	5.0	108		0.05
1022	Copper	1.0	108		0.01
1042	Potassium		108		3
1052	Sodium	20.	108		10
1036	Nickel		108		< 0.01
	Thallium		125		< 0.005
1919	Calcium Hardness		108		130
1918	Magnesium Hardness		136		24
1013	Ca & Mg Hardness		136		160
1015	Total Hardness***		136		170
1004	Antimony		125		< 0.010
1036	Beryllium		108		< 0.005

DATE REPORTED 26 Sep 94 ANALYST LOIS THACKER

94 SEP -1 PM 12:40
BUREAU OF CHEMISTRY

SEP 1994
RECEIVED
Office of Water Programs
Culpeper Office

455732

LAB #: 1-6

NAME OF WATER SYSTEM: FAUQUIER WSA

SOURCE: WELL MG-A

OTHER INFORMATION: DEVELOPMENTAL

RESULTS ... ALTI ... CIAL

Name: VDH-DEC. OF WATER PRG.
Address: 400 S. MAIN ST., 2nd FL.
City: CULPEPER, VA. 22701 (703) 829-7340 Code

Water Quality Report

VOLATILE ORGANICS BB

WSE 50

Commonwealth of Virginia
Department of Health
Division of Water Programs
Bureau of Water Supply Engineering

REGION: ☐ Abingdon ☐ Danville ☐ Richmond ☐ Local Health Dept.
☒ Culpeper ☐ Lexington ☐ Virginia Beach ☐

PLANNING DISTRICT#

SAMPLING LOCATION: WELLHEAD

SOURCE TYPE: ☒ Public-Community ☐ Public-Noncommunity

COUNTY: FAUQUIER CODE: 7-9

INDEPENDENT CITY:

FIELD TESTS: Temp: pH: Cl_2: mg/L Alk: mg/L CO_2 mg/L Hard.: mg/L

P.W.S.I.D.#: 6 0 6 1 3 1 8 (10-16)

TRANSACTION CODE: 3 (17-18)

DATE COLLECTED: Mo 09 Day 01 Yr 94 (19-24)

TIME: 0800 (25-28)

COLLECTED BY: JIM BRADY

CONTAINER TYPE: ☐ Glass ☐ Plastic

PRESERVATIVE USED: ☐ None ☐ Ice ☐ Other ☐ Nitric Acid

SAMPLE TYPE: 0 ☐ Reg Dist. P ☐ Plant Tap R ☒ Raw Water C ☐ Check M ☐ MCL Check S ☐ Other (29)

DATE REC: 9/13

DATE REP:

CONT. I.D. (30-33)	CONTAMINANT NAME (Maximum Allowable Level)	MTD. (39-41)	S (42)	ANALYSIS RESULTS (43-50)	PRECISION (51-53)	ANALYSIS DATE Mo Day Yr (54-59)	A*
2900	Regulated VOCs	524	<	0000.0005		9 11 94	RP
2990	Benzene 0.005	524		0000.0			
2976	Vinyl Chloride 0.002	524		0000.0			
2982	Carbon Tetrachloride 0.005	524		0000.0			
2980	1,2-Dichloroethane 0.005	524		0000.0			
2984	Trichloroethylene 0.005	524		0000.0			
2977	1,1-Dichloroethylene 0.007	524		0000.0			
2981	1,1,1-Trichloroethane 0.20	524		0000.0			
2969	p-Dichlorobenzene 0.075	524		0000.0			
	c-1,2-dichloroethene 0.07	524		0000.0			
	1,2-dichloropropane 0.005	524		0000.0			
	ethylbenzene 0.7	524		0000.0			
	chlorobenzene 0.1	524		0000.0			
	o-dichlorobenzene 0.6	524		0000.0			
	styrene 0.1	524		0000.0			
	perchloroethene 0.005	524		0000.0			
	toluene 1.	524		0000.0			
	t-1,2-dichloroethene .1	524		0000.0			
	total xylenes 10.	524	↓	0000.0			
2200	UNREGULATED VOCs	524	<	0000.0005			
	ph 1.5						
	LAB I.D. (34-38)						

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PREPARED BY:

The results on this report are expressed in mg/L unless otherwise indicated. *A = analyst's initials

94 SEP 1 PM 2:41 SUR

01/18/95 15:44 5703 347 0999 FAUQUIER

4557 95

Analysis performed	MCL (mg/l)	Detection Level	Level Detected
Trichloroethylene	0.005	0.001	ND
1,4-Dichlorobenzene	0.075	0.001	ND
1,1-Dichloroethylene	0.007	0.001	ND
1,1,1,-Trichloroethane	0.20	0.001	ND
Bromobenzene	---	0.002	ND
Bromomethane	---	0.002	ND
Chlorobenzene	0.1	0.001	ND
Chloroethane	---	0.002	ND
Chloromethane	---	0.002	ND
2-Chlorotoluene	---	0.001	ND
4-Chlorotoluene	---	0.001	ND
Dibromochloropropane (DBCP)	---	0.001	ND
Dibromomethane	---	0.002	ND
1,2-Dichlorobenzene	0.6	0.001	ND
1,3-Dichlorobenzene	---	0.001	ND
Dichlorodifluoromethane	---	0.002	ND
1,1-Dichloroethane	---	0.002	ND
Trans-1,2-Dichloroethylene	0.1	0.002	ND
cis-1,2-Dichloroethylene	0.07	0.002	ND
Dichloromethane	0.005	0.002	ND
1,2-Dichloropropane	0.005	0.002	ND
trans-1,3-Dichloropropene	---	0.002	ND
1,3-Dichloropropene	---	0.002	ND
2,2-Dichloropropane	---	0.002	ND
1,1-Dichloropropene	---	0.002	ND
1,3-Dichloropropane	---	0.002	ND
Ethylbenzene	0.7	0.001	ND
Ethylenedibromide (EDB)	---	0.001	ND
Styrene	0.1	0.001	ND
1,1,1,2-Tetrachloroethane	---	0.002	ND
1,1,2,2-Tetrachloroethane	---	0.002	ND
Tetrachloroethylene (PCE)	0.005	0.002	ND
1,2,4-Trichlorobenzene	---	0.002	ND
1,2,3-Trichlorobenzene	---	0.002	ND
1,1,2-Trichloroethane	0.005	0.002	ND
Trichlorofluoromethane	---	0.002	ND
1,2,3-Trichloropropane	---	0.002	ND
Toluene	1.0	0.001	ND
Xylene	10	0.001	ND
Organic chemicals - pesticides, herbicides & PCBs			
Alachlor	0.002	0.001	ND
Atrazine	0.003	0.002	ND
Chlordane	0.002	0.001	ND
Aldrin	---	0.002	ND
Dichloran	---	0.002	ND
Dieldren	---	0.001	ND
Endrin	0.002	0.0001	ND
Heptachlor	0.0004	0.0004	ND
Heptachlor Epoxide	0.0002	0.0001	ND
Hexachlorobenzene	0.001	0.0005	ND
Hexachlorocyclopentadiene	0.05	0.001	ND
Lindane	0.0002	0.0002	ND
Methoxychlor	0.04	0.002	ND
PCBs	0.0005	0.0005	ND
Pentachloronitrobenzene	---	0.002	ND
Silvex 2,4,5-TP	0.05	0.005	ND
Simazine	0.004	0.002	ND
Toxaphene	0.003	0.001	ND
Trifluralin	---	0.002	ND
2,4-D	0.07	0.010	ND

I certify that the analyses performed for this report are accurate, and that the laboratory tests were conducted by methods approved by the U.S. Environmental Protection Agency or variations of these EPA methods.

These test results are intended to be used for informational purposes only and may not be used for regulatory compliance.

PRESIDENT, NATIONAL TESTING LABORATORIES, INC

DATE COLLECTED	DATE RECEIVED	DATE COMPLETED	SAMPLE CODE
09/01/94	09/06/94	09/16/94	9690142

CUSTOMER ADDRESS

NEW BALT
WELL M-6A
CONCLUSION OF PUMPING
FAUQIER CO WSA

RECEIVED SEP 20 1994

DEALER ADDRESS

EMERY & GARRETT GROUNDWTR
170 WAUKEWAN ST
MEREDITH, NH 03253-

NATIONAL TESTING LABORATORIES INC.
6555 Wilson Mills Road
Cleveland, OH 44143
(216) 449-2525

DRINKING WATER ANALYSIS RESULTS

NOTE: "*" indicates that the MCL (Maximum Contaminant Level) has been exceeded, or in the case of pH is either too high OR too low.
"ND" indicates that none of this contaminant has been detected at or above our detection level.
"**" Result may be invalid due to lack of "Time Collected" or because the sample has exceeded the 30-hour time frame.
"BD" Bacteria destroyed due to lack of collection information or because the sample has exceeded the 48-hour time frame.
TNTC-Too Numerous To Count NBS-No Bacteria Submitted

Analysis performed	MCL (mg/l)	Detection Level	Level Detected
Microbiological:			
Total coliform (organism/100ml)	0	0	BD
Inorganic chemicals - metals:			
Aluminum	0.2	0.1	ND
Arsenic	0.05	0.010	ND
Barium	2.0	0.30	ND
Cadmium	0.005	0.002	ND
Chromium	0.1	0.004	ND
Copper	1.3	0.004	ND
Iron	0.3	0.020	0.39*
Lead	0.015	0.002	ND
Manganese	0.05	0.004	0.21*
Mercury	0.002	0.001	ND
Nickel	0.1	0.02	ND
Selenium	0.05	0.002	ND
Silver	0.1	0.002	ND
Sodium	---	1.0	8.7
Zinc	5.0	0.004	0.036
Inorganic chemicals - other, and physical factors:			
Alkalinity (Total as CaCO3)	---	10.0	175
Chloride	250	5.0	11
Fluoride	4.0	0.5	ND
Nitrate as N	10	0.5	ND
Nitrite as N	1.0	0.5	ND
Sulfate	250	5.0	17
Hardness (suggested limit = 100)		10.0	135*
pH (Standard Units)	6.5-8.5	---	7.8
Total Dissolved Solids	500	20.0	196
Turbidity (Turbidity Units)	1.0	0.1	1.3*
Organic chemicals - trihalomethanes:			
Bromoform	---	0.004	ND
Bromodichloromethane	---	0.002	ND
Chloroform	---	0.002	ND
Dibromochloromethane	---	0.004	ND
Total THMs (sum of four above)	0.1	0.002	ND
Organic chemicals - volatiles:			
Benzene	0.005	0.001	ND
Vinyl Chloride	0.002	0.001	ND
Carbon Tetrachloride	0.005	0.001	ND
1,2-Dichloroethane	0.005	0.001	ND

 Sample code: 9690142

Analysis performed	MCL (mg/l)	Detection Level	Level Detected
Trichloroethylene	0.005	0.001	ND
1,4-Dichlorobenzene	0.075	0.001	ND
1,1-Dichloroethylene	0.007	0.001	ND
1,1,1,-Trichloroethane	0.20	0.001	ND
Bromobenzene	---	0.002	ND
Bromomethane	---	0.002	ND
Chlorobenzene	0.1	0.001	ND
Chloroethane	---	0.002	ND
Chloromethane	---	0.002	ND
2-Chlorotoluene	---	0.001	ND
4-Chlorotoluene	---	0.001	ND
Dibromochloropropane (DBCP)	---	0.001	ND
Dibromomethane	---	0.002	ND
1,2-Dichlorobenzene	0.6	0.001	ND
1,3-Dichlorobenzene	---	0.001	ND
Dichlorodifluoromethane	---	0.002	ND
1,1-Dichloroethane	---	0.002	ND
Trans-1,2-Dichloroethylene	0.1	0.002	ND
cis-1,2-Dichloroethylene	0.07	0.002	ND
Dichloromethane	0.005	0.002	ND
1,2-Dichloropropane	0.005	0.002	ND
trans-1,3-Dichloropropene	---	0.002	ND
1,3-Dichloropropene	---	0.002	ND
2,2-Dichloropropane	---	0.002	ND
1,1-Dichloropropene	---	0.002	ND
1,3-Dichloropropane	---	0.002	ND
Ethylbenzene	0.7	0.001	ND
Ethylenedibromide (EDB)	---	0.001	ND
Styrene	0.1	0.001	ND
1,1,1,2-Tetrachloroethane	---	0.002	ND
1,1,2,2-Tetrachloroethane	---	0.002	ND
Tetrachloroethylene (PCE)	0.005	0.002	ND
1,2,4-Trichlorobenzene	---	0.002	ND
1,2,3-Trichlorobenzene	---	0.002	ND
1,1,2-Trichloroethane	0.005	0.002	ND
Trichlorofluoromethane	---	0.002	ND
1,2,3-Trichloropropane	---	0.002	ND
Toluene	1.0	0.001	ND
Xylene	10	0.001	ND
Organic chemicals - pesticides, herbicides & PCBs			
Alachlor	0.002	0.001	ND
Atrazine	0.003	0.002	ND
Chlordane	0.002	0.001	ND
Aldrin	---	0.002	ND
Dichloran	---	0.002	ND
Dieldren	---	0.001	ND
Endrin	0.002	0.0001	ND
Heptachlor	0.0004	0.0004	ND
Heptachlor Epoxide	0.0002	0.0001	ND
Hexachlorobenzene	0.001	0.0005	ND
Hexachlorocyclopentadiene	0.05	0.001	ND
Lindane	0.0002	0.0002	ND
Methoxychlor	0.04	0.002	ND
PCBs	0.0005	0.0005	ND
Pentachloronitrobenzene	---	0.002	ND
Silvex 2,4,5-TP	0.05	0.005	ND
Simazine	0.004	0.002	ND
Toxaphene	0.003	0.001	ND
Trifluralin	---	0.002	ND
2,4-D	0.07	0.010	ND

I certify that the analyses performed for this report are accurate, and that the laboratory tests were conducted by methods approved by the U.S. Environmental Protection Agency or variations of these EPA methods.

These test results are intended to be used for informational purposes only and may not be used for regulatory compliance.

PRESIDENT, NATIONAL TESTING LABORATORIES, INC.

LAB #: 1-6

NAME OF WATER SYSTEM: Fauquier WSA

SOURCE: Well MG-A

OTHER INFORMATION: DEVLPMNTL

REPORT RESULTS TO HEALTH OFFICIAL AT:

Name

Address

City Zip Code

Water Quality Report

INORGANIC

WSE 50

Commonwealth of Virginia
Department of Health
Division of Water Programs
Bureau of Water Supply Engineering

BB

REGION: ☐ Abingdon ☑ Culpeper ☐ Danville ☐ Lexington ☐ Richmond ☐ Virginia Beach ☐ Local Health Dept. ☐

PLANNING DISTRICT#

COUNTY: Fauquier

INDEPENDENT CITY:

SAMPLING LOCATION: Well Head

CODE: 7-9

SOURCE TYPE: ☑ Public-Community ☐ Public-Noncommu

FIELD TESTS: Temp: Cl_2: mg/L CO_2 mg

pH: Alk: mg/L Hard.: mg

P.W.S.I.D. #: 6061318 10-16

TRANSACTION CODE 0 3 17-18

455730

94 SEP -1 PM 12:40

DATE COLLECTED: Mo 09 Day 01 Yr 1994 19-24

TIME: 0800 25-28

COLLECTED BY: [illegible]

CONTAINER TYPE: ☐ Glass ☐ Plastic

PRESERVATIVE USED: ☐ None ☐ Ice ☐ Other

SAMPLE TYPE: D ☐ Reg. Dist. P ☐ Plant Tap R ☑ Raw Water C ☐ Check M ☐ MCL Check S ☐ Other 29

DATE REC:

DATE REP: 9-30-94

CONT. I.D.	CONTAMINANT NAME (Maximum Allowable Level)	MTD.	S	ANALYSIS RESULTS	PRECISION	ANALYSIS DATE Mo Day Yr	A
1925	pH (6.5-8.5)	135		0 0 757 0 0	±	09 01 94	[illegible]
1927	Alkalinity-Total	157		0 1482 0 0 0	±		
1928	Alkalinity-Bicarbonate	157		0 1482 0 0 0	±		
1929	Alkalinity-Carbonate	157		0 00 0 0 0	±		
1915	Hardness-EDTA	141		0 0 0	±		
1932	Acidity	157		0 0 0 0	±		
1910	Corrosion Index	136		0 0 1185 0 0	±		
1025	Fluoride 1.8	107		0 0 013 0 0	±	09 06 94	C
1017	Chloride 250.	107		106 0 0 0	±	09 28 94	C
1905	Color (APHA) 15 CU	129		0 0 6 0 0 0 0	±	09 06 94	[illegible]
0100	Turbidity (FTU) 1.0	001		0 70 0 0	±	09 01 94	[illegible]
1027	Hydrogen Sulfide 0.05	155		0 0 0 003 0 0	±	09 01 94	[illegible]
1055	Sulfate 250.	137		0 167 0 0 0	±	09 28 94	C
1040	Nitrogen-Nitrate 10.0	163		0 0 0 0	±		
1039	Nitrogen-Ammonia	147		0 0 006 0 0	±	09 02 94	P
1038	Nitrogen-Nitrite	163		0 0 0 0	±		
1041	Nitrogen-Total Kjeldahl	175		0 0 0 0	±		
1043	Phosphate-Total (As P)	162		0 0 0 0	±		
1044	Phosphate-Ortho (As P)	162	<	0 0 005 0 0	±	09 28 94	C
1926	Specific Conductance (u mhos/cm)	145		335 0 0 0	±	09 01 94	[illegible]
1930	Total Dissolved Solids (185°C)	139	236	169 0 0 0 0	±	09 13 94	B
1058	Volatile (550°C)	139	57	32 0 0 0 0	±		
1059	Fixed (550°C)	139	179	0 0 0 0	±		
1049	Silica (as SiO_2)	143		0 225 0 0	±	09 12 94	F
1997	Langlier Index 15°C	136	—	0 0 0 194 0	±		
					±		
					±		
30-33	LAB I.D. 0 1 0 0 0 34-38	39-41	42	43-50	51-53	54-59	

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RECEIVED 09 1994

PREPARED BY: B. O'Neal

The results on this report are expressed in mg/L unless otherwise indicated. *A = analyst's in