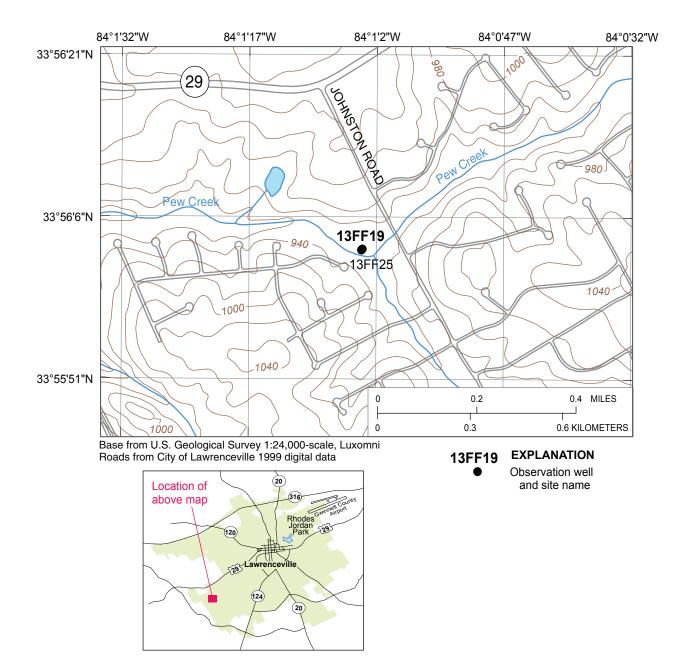
WELL SCHEDULE

| Latitude33° 56' 2.62" Longitude84° 1.' | 4.11" Ground Elevation 921.8 NGVD 29 |
|--|--|
| OWNER City of Lawrenceville | Casing Elevation 923.58 NGVD 29 |
| WELL CONSTRUCTION DESCRIPTION | |
| Name of Aquifer: metamorphic - crystalline rock | |
| TYPE OF DRILLING | Date drilled <u>5/10/2001</u> 8/13/2001 |
| X Rotary Total Depth 477 | DrillerMiddle Georgia Water Systems |
| Percussion Static Water Level (bls) Bored 9.25 @ | GROUTING [X] YES [] NO Type |
| DRILL HOLE DIAMETER 10/31/20018:50:00 AM Size12 in, from0 ft to65 ft | From 0 ft to 65 ft From ft to ft From ft to ft |
| Size <u>8</u> in, from <u>65</u> ft to <u>275</u> ft Size <u>6</u> in, from <u>275</u> ft to <u>477</u> ft | TEST PUMP DATA Pumped x Bailed |
| CASING RECORD Type materialsteel | Estimated250 |
| Size <u>8</u> in, from <u>0</u> ft to <u>65</u> ft Size <u></u> in, from <u></u> ft to <u></u> ft | Test yield <u>177.0</u> gal/min After <u>72</u> hrs Water level before test <u>13.3</u> ft btoo |
| Size in, from ft to ft | Drawdownft |
| WELL SCREEN Type material open hole | Specific Capacity1.3 gal/min/ft Altitudes are in reference to NGVD 29 |
| Size in, from ft to ft Size in, from ft to ft | Latitude/longitude in NAD 83 Depths are in feet below land surface (bls) |
| Size in, from ft to ft | Feet below top of casing (ft btoc) |
| Comments: Water-bearing fractures at 35-37.5', 58-61', 1 | |
| 5/10/01 to 5/11/01 and logged by L.J. Williams; air-lift yield | was 250 gpm with shallow fractures exposed in |
| 6-inch borehole; shallow fractures at 35 and 58 feet sealed | off after setting permanent casing. |

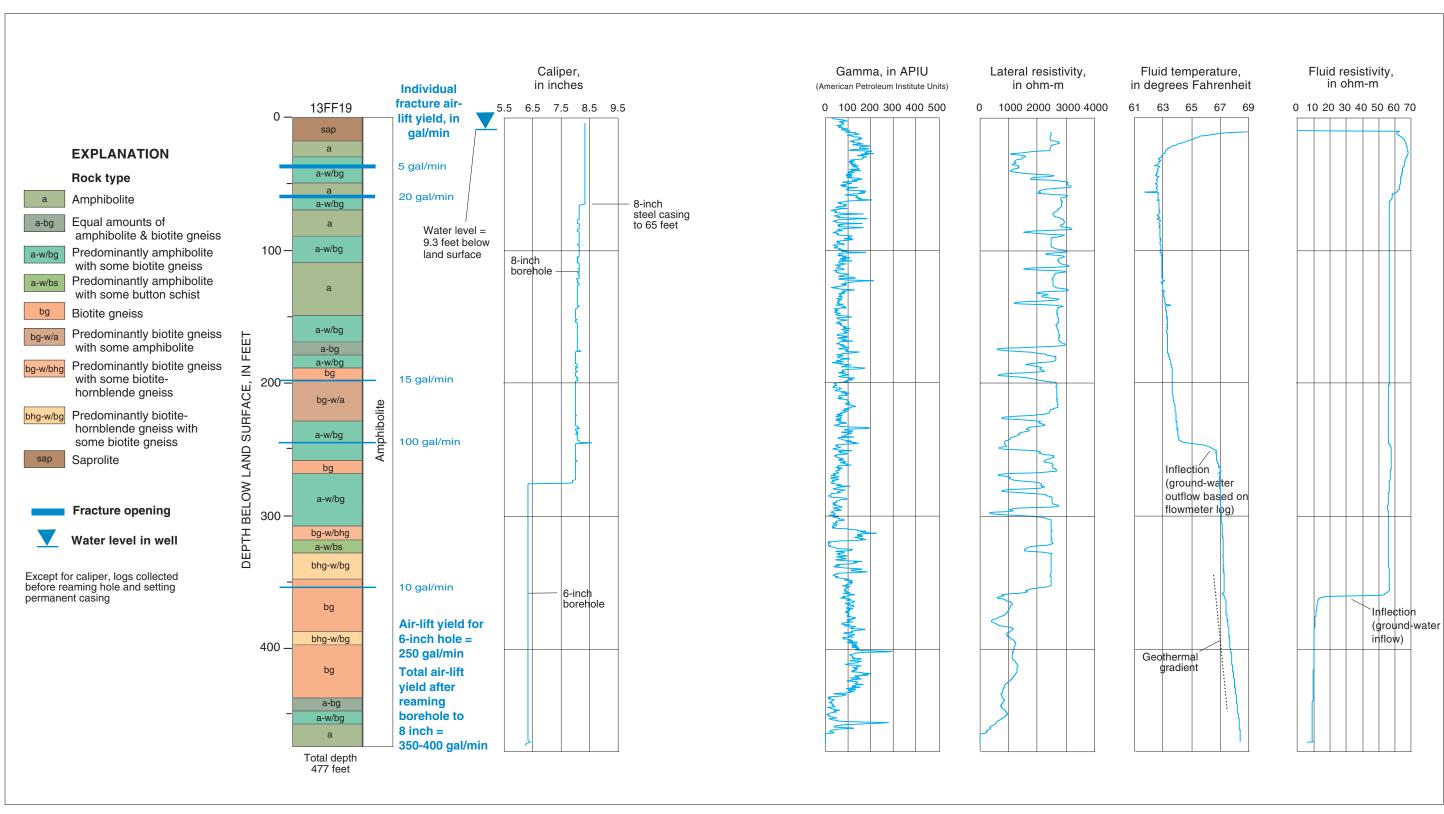


 $\label{log:contained} Geophysical log files for well 13FF19 [contained on CD in Supplemental_data \log_archive \logs.zip; ft bls, feet below land surface]$

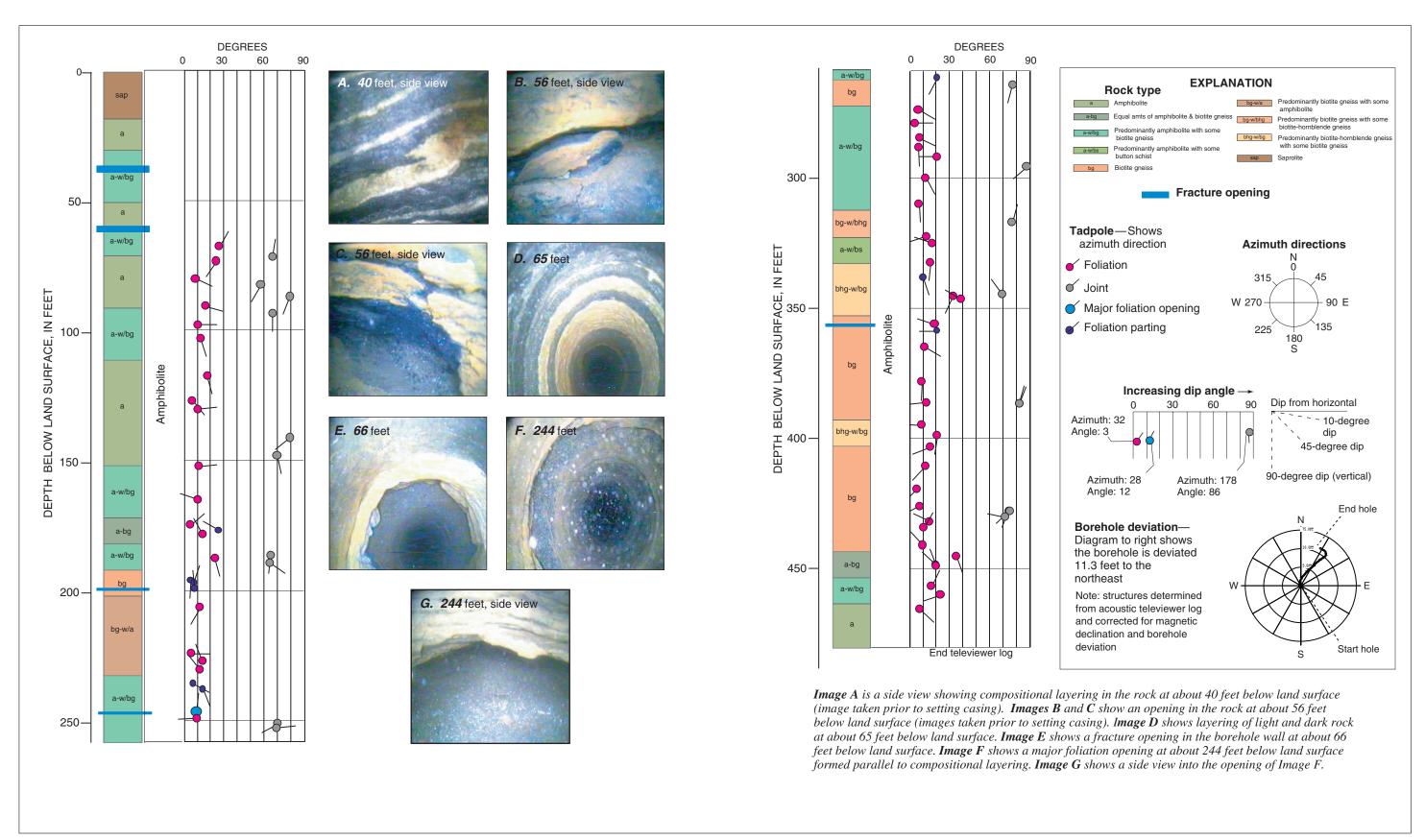
| File name | Туре | Date | Start depth (ft bls) | Stop depth (ft bls) |
|-----------------------|---------------------------|----------|----------------------|---------------------|
| 13FF19.20010719.ZE01 | Combination Tool/1 | 07/19/01 | -0.5 | 473.7 |
| 13FF19.20011113.AT02 | Acoustic Televiewer/2 | 11/13/01 | 63.04 | 277.76 |
| 13FF19.20011113.AT01 | Acoustic Televiewer/2 | 11/13/01 | 270.56 | 475.53 |
| 13FF19.20010719.CT01 | Caliper, Three Arm | 07/19/01 | 3.7 | 473.5 |
| 13FF19.20011113.CT01 | Caliper, Three Arm | 11/13/01 | 3.2 | 476.6 |
| 13FF19.20011129.FE02 | Electromagnetic Flowmeter | 11/29/01 | 41.4 | 476.7 |
| 13FF19.20011129.FE01 | Electromagnetic Flowmeter | 11/29/01 | 41.6 | 477 |
| 13FF19.20010719.ZI01 | Gamma and EM Induction | 07/19/01 | -0.8 | 471.4 |
| 13FF19.20010813.FH01 | Heat-pulse Flowmeter | 08/13/01 | 40 | 473 |
| 13FF19.20011128.FEI01 | Interpreted EM Flowmeter | 11/28/01 | 45.8 | 265.3 |
| 13FF19.20011130.FEI01 | Interpreted EM Flowmeter | 11/30/01 | 313.8 | 449 |
| 13FF19.20011130.FEI02 | Interpreted EM Flowmeter | 11/30/01 | 45.8 | 265.3 |
| 13FF19.20011130.FEI03 | Interpreted EM Flowmeter | 11/30/01 | 285.3 | 472.3 |

^{1/} Includes gamma, long/short normal resistivity, spontaneous potential, single-point resistance,fluid resistivity, and temperature

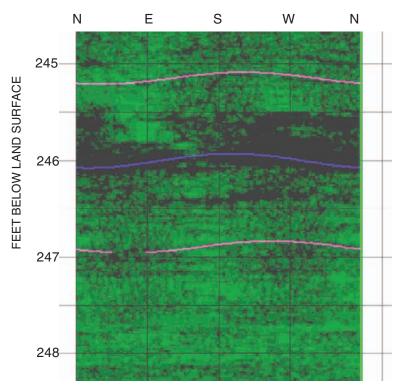
^{2/} Does not include trace data, original log is provided in Century binary format under the same file name with extension ".log"



Lithology and borehole geophysical logs for well 13FF19 (Johnston Road well), Lawrenceville, Georgia.



Structural tadpole plot and downhole camera images for well 13FF19 (Johnston Road well), Lawrenceville, Georgia.



Projected acoustic televiewer image of borehole wall from well 13FF19. Purple lines trace rock foliation above and below the main producing fracture. Blue line traces the center of an opening formed parallel to foliation and compositional layering (dark area is the opening).

