

WELL SCHEDULE

SITE NAME 14FF57 OTHER IDENTIFIER Nash WELL NUMBER 335515083594201
 Latitude 33° 55' 15.22" Longitude -83° 59' 41.63" Ground Elevation 954.1 NGVD 29
 OWNER City of Lawrenceville Casing Elevation 956.47 NGVD 29

WELL CONSTRUCTION DESCRIPTION

Name of Aquifer: metamorphic - crystalline rock

TYPE OF DRILLING

Rotary Total Depth 380
 Percussion Static Water Level (bls)
 Bored 6.03 @
10/31/2001 1:15:00 PM

DRILL HOLE DIAMETER

Size 8 in, from 0 ft to 35.5 ft
 Size 6 in, from 35.5 ft to 380 ft
 Size _____ in, from _____ ft to _____ ft

CASING RECORD

Type material PVC
 Size 6 in, from 0 ft to 35.5 ft
 Size _____ in, from _____ ft to _____ ft
 Size _____ in, from _____ ft to _____ ft

WELL SCREEN

Type material open hole
 Size _____ in, from _____ ft to _____ ft
 Size _____ in, from _____ ft to _____ ft
 Size _____ in, from _____ ft to _____ ft

Date drilled 5/17/2001

Driller Middle Georgia Water Systems

GROUTING YES NO

Type bentonite

From 0 ft to 35.5 ft

From _____ ft to _____ ft

From _____ ft to _____ ft

TEST PUMP DATA

Pumped Bailed _____

Estimated 3 (air-lift yield)

Date tested 8/7/2001

Pump rated _____ gal/min _____ HP

Test yield 1.2 gal/min After 2.5 hrs

Water level before test 8.0 ft btoc

Drawdown 6.2 ft

Specific Capacity 0.2 gal/min/ft

Pumped during EM flowmeter test

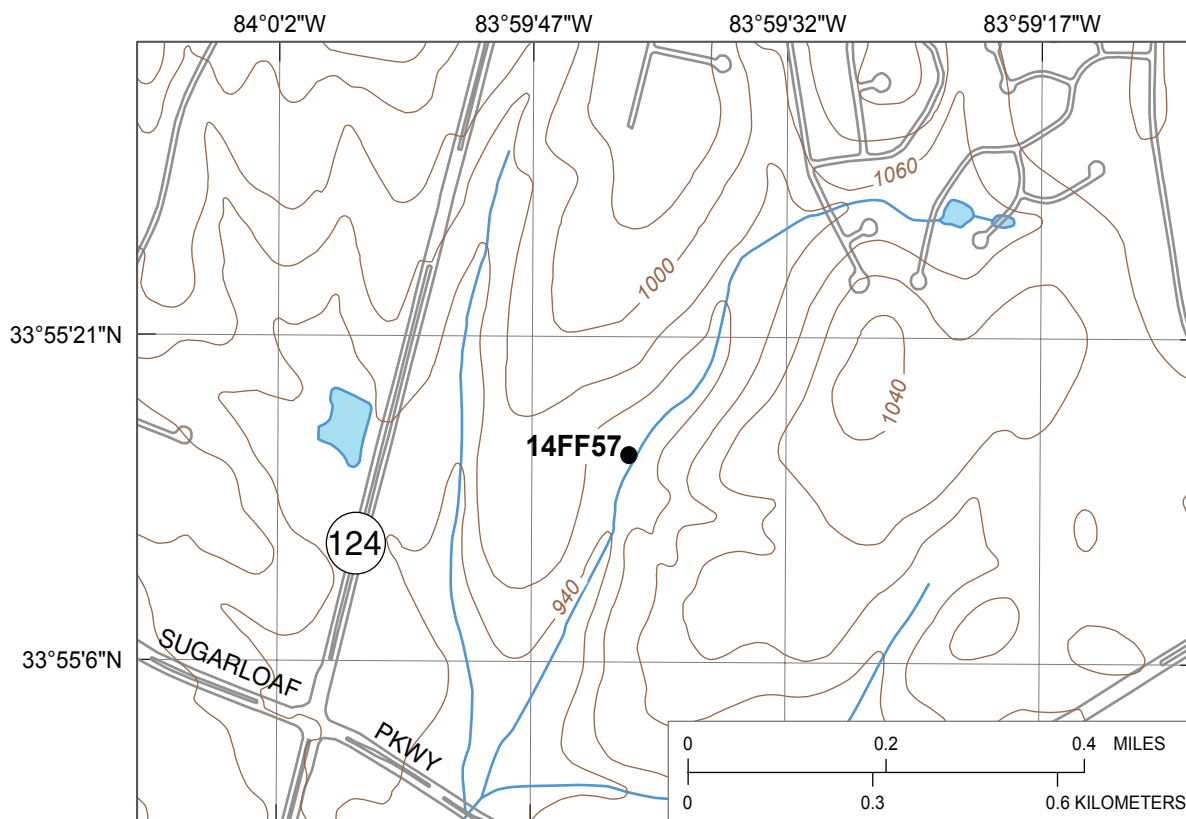
Altitudes are in reference to NGVD 29

Latitude/longitude in NAD 83

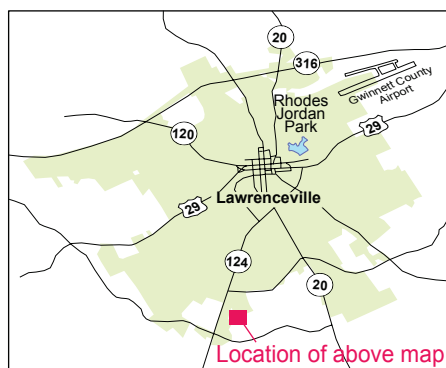
Depths are in feet below land surface (bls)

Feet below top of casing (ft btoc)

Comments: Test hole drilled 5/17/2001 and logged by L.J. Williams and D.M. Crilley; picked up most of the water at the
45.5-46.5' fracture, trace increase in yield at 196.5-197.5'; fracture at 340-341' is a possible producing zone;
total air-lift yield only about 3 gal/min



Base from U.S. Geological Survey 1:24,000-scale, Luxomni
Roads from City of Lawrenceville 1999 digital data



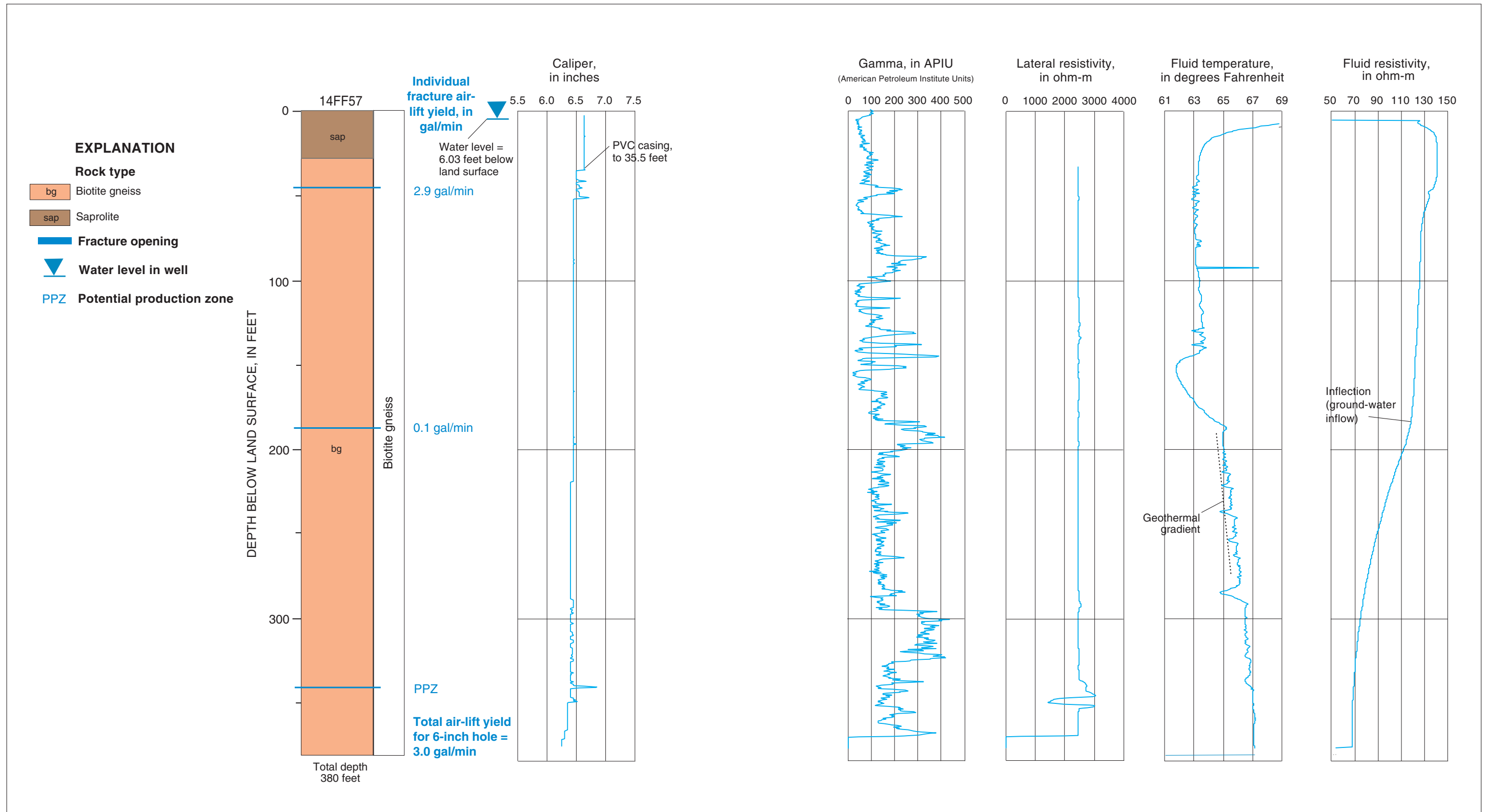
EXPLANATION
14FF57 ● Observation well
 and site name

Geophysical log files for well 14FF57 [contained on CD in Supplemental_data\log_archive\logs.zip;
ft bls, feet below land surface]

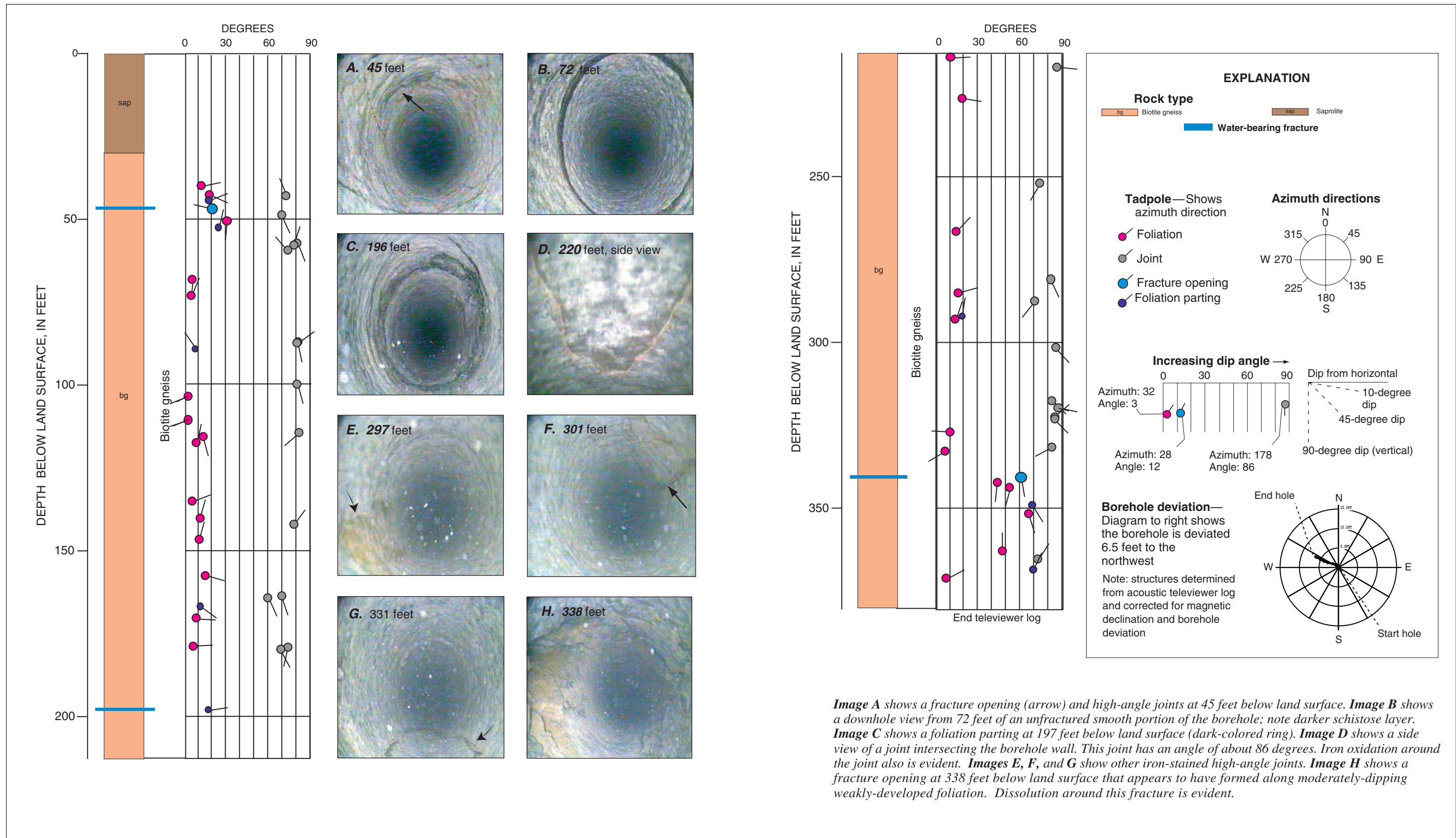
File Name	Type	Date	Start Depth (ft bls)	Stop Depth (ft bls)
14FF57.20010720.ZE01	Combination Tool ¹	7/20/01	-1.4	376.6
14FF57.20011116.AT01	Acoustic Televiwer ²	11/16/01	34.35	375.63
14FF57.20010720.CT01	Caliper, Three Arm	7/20/01	2.7	376
14FF57.20010720.ZI01	Gamma and EM Induction	7/20/01	-1.8	373.8
14FF57.20010807.FH01	Heat-pulse Flowmeter	8/7/01	20	370
14FF57.20010807.FH02	Heat-pulse Flowmeter	8/7/01	40	370

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

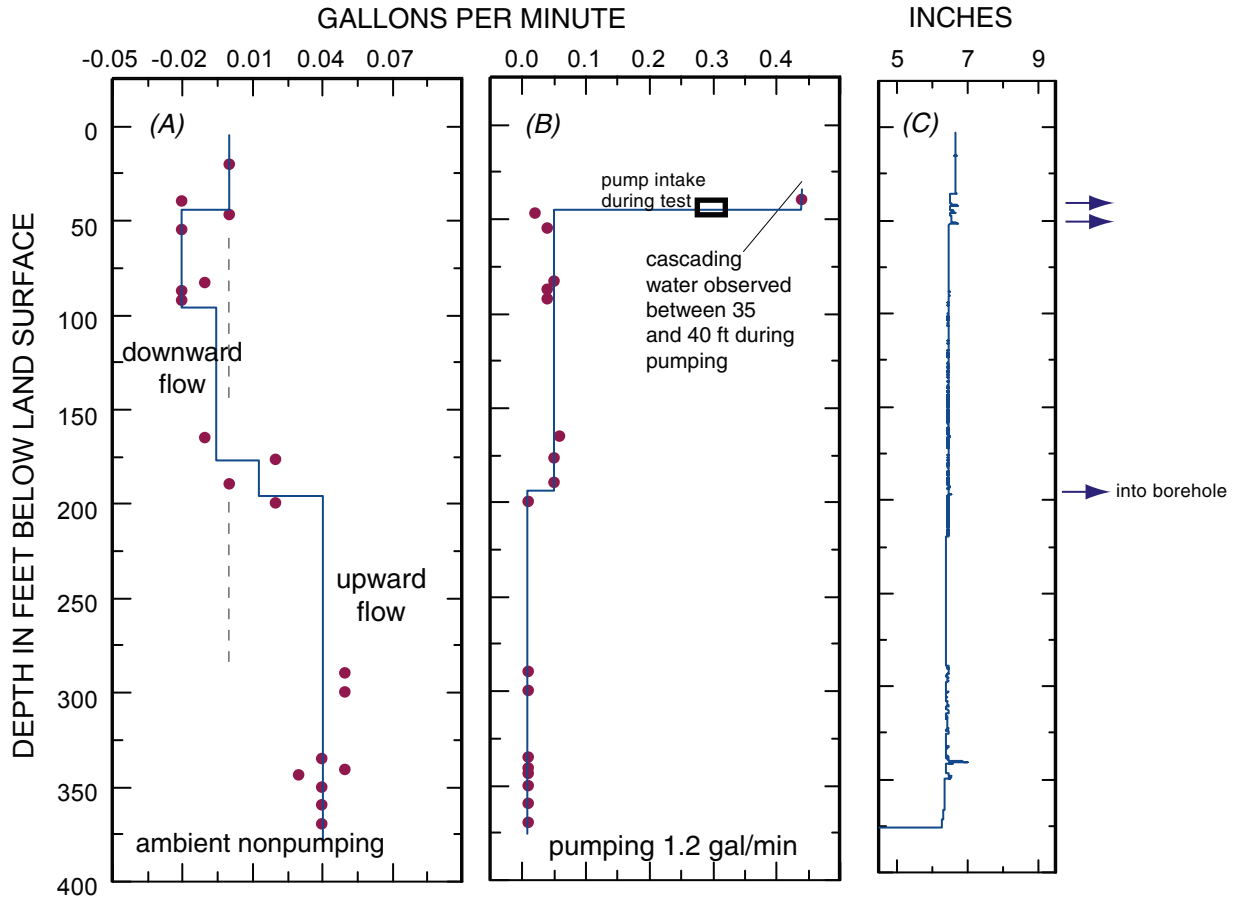
² Does not include trace data, original log is provided in Century binary format under the same file name with extension ".log"



Lithology and borehole geophysical logs for well 14FF57 (Nash Well), Lawrenceville, Georgia.



Structural tadpole plot and downhole camera images for well 14FF57 (Nash Well), Lawrenceville, Georgia.



Flowmeter logs from well 14FF57 showing (A) flow in borehole under ambient nonpumping conditions, left of dashed line indicated downward flow and right of line upward flow; and (B) vertical flow in borehole during pumping 1.2 gal/min. Caliper log (C) shows peaks where the borehole diameter is enlarged at discrete fracture openings in the bedrock. Right-facing arrows indicate flow into borehole during pumping. Top right-facing arrow placed at approximate depth of cascading water.

EXPLANATION
 ● Measured flow
 — Interpretation