

WELL SCHEDULE

SITE NAME 14FF17 OTHER IDENTIFIER City Park 14FF17 WELL NUMBER 335734083584601

Latitude 33° 57' 33.49" Longitude -83° 58' 46.47" Ground Elevation 990.93 NGVD 29

OWNER City of Lawrenceville Casing Elevation 992.07 NGVD 29

WELL CONSTRUCTION DESCRIPTION

Name of Aquifer: metamorphic - crystalline rock

TYPE OF DRILLING

Rotary Total Depth 212
 Percussion Static Water Level (bls)
 Bored varies because of
pumping in wellfield

DRILL HOLE DIAMETER

Size 12 in, from 0 ft to 25 ft
Size 6 in, from 25 ft to 212 ft
Size _____ in, from _____ ft to _____ ft

CASING RECORD

Type material steel
Size 6 in, from 0 ft to 25 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 11/5/1990

Driller Va. Supply and Well Co.

GROUTING YES NO

Type cement grout

From 0 ft to 25 ft

From _____ ft to _____ ft

From _____ ft to _____ ft

TEST PUMP DATA

Pumped Bailed _____

Estimated 150 (air-lift yield)

Date tested _____

Pump rated _____ gal/min _____ HP

Test yield _____ gal/min After _____ hrs

Water level before test _____ ft btoc

Drawdown _____ ft

Specific Capacity _____ gal/min/ft

Altitudes are in reference to NGVD 29

Latitude/longitude in NAD 83

Depths are in feet below land surface (bls)

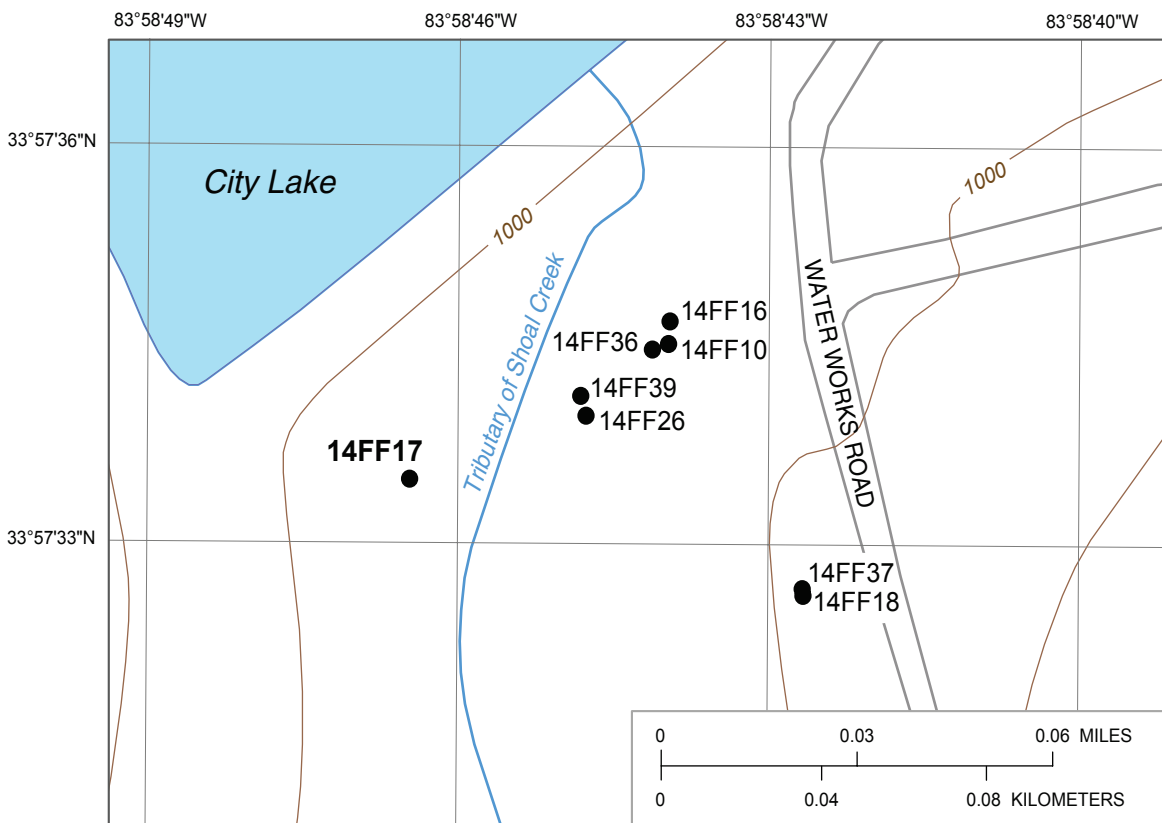
Feet below top of casing (ft btoc)

Comments: Drilled as part of the Special Environmental Services' evaluation of the Rhodes Jordan Wellfield

refurbishment; well was used for monitoring a pumping test; from geophysical logging: openings at 34-

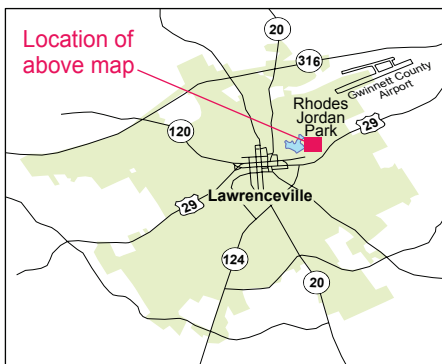
35', 67-69', 70-71' (these dewatered during sustained pumping); major water-producing

fractures at 142-143', 182-183', 210-212'



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

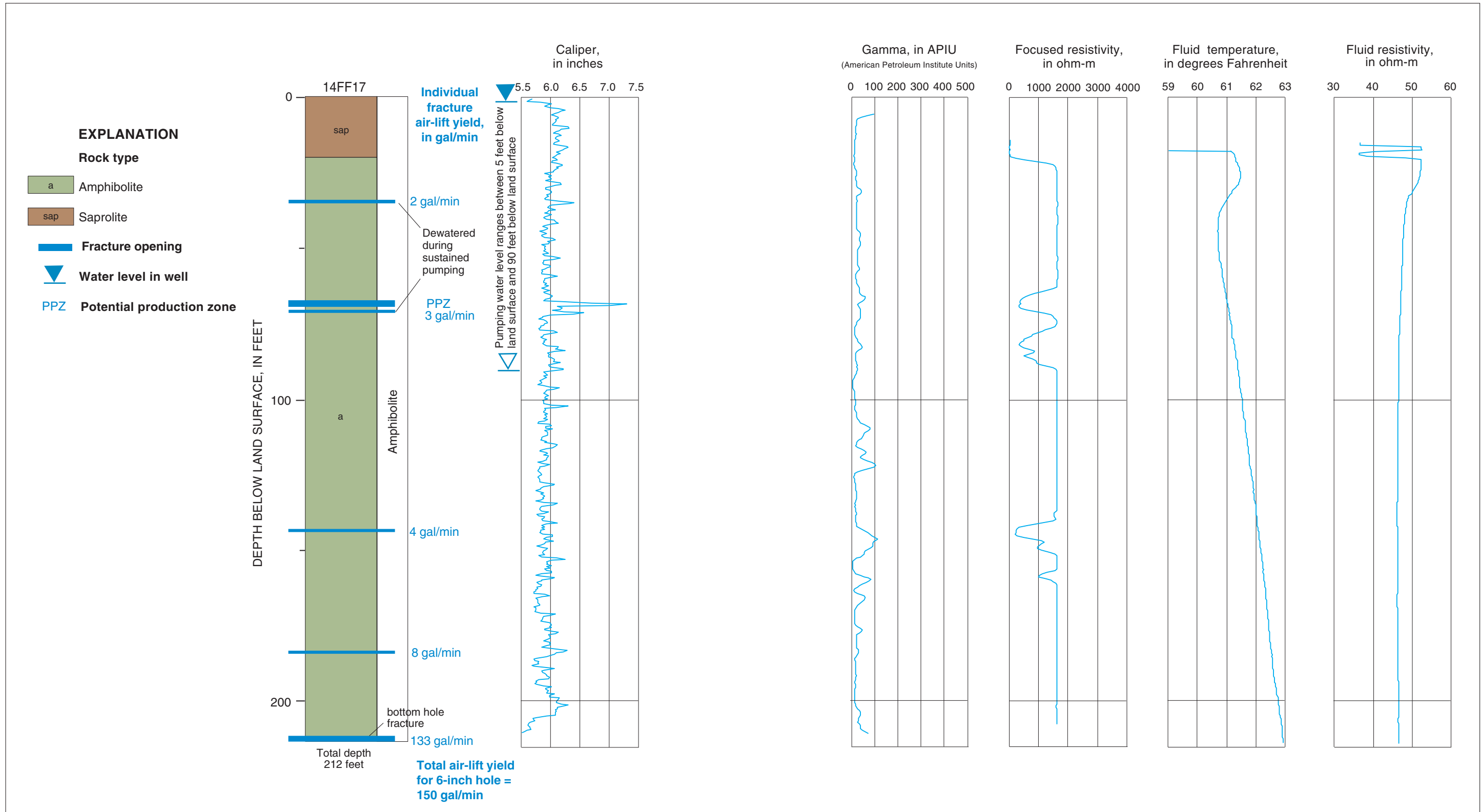
14FF17 ● **EXPLANATION**
 ● Observation well and site name



Geophysical log files for well 14FF17 [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)
14FF17.19990317.AT01	Acoustic Televiewer ¹	3/17/99	22.75	209.07
14FF17.19941206.CT01	Caliper, Three Arm	12/6/94	0	209.8
14FF17.19941206.FR01	Fluid Resistivity	12/6/94	14.5	212
14FF17.19941206.FT01	Fluid Temperature	12/6/94	10.5	212
14FF17.19941206.EF01	Focused Resistivity	12/6/94	13.5	207
14FF17.19941206.NG01	Gamma	12/6/94	5.5	210
14FF17.19941206.EL01	Long-normal Resistivity	12/6/94	22	212
14FF17.19941206.ES01	Short-normal Resistivity	12/6/94	22	212
14FF17.19941206.EP01	Spontaneous Potential	12/6/94	22	212

^{1/} 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 14FF17 (Rhodes Jordan Wellfield), Lawrenceville, Georgia.

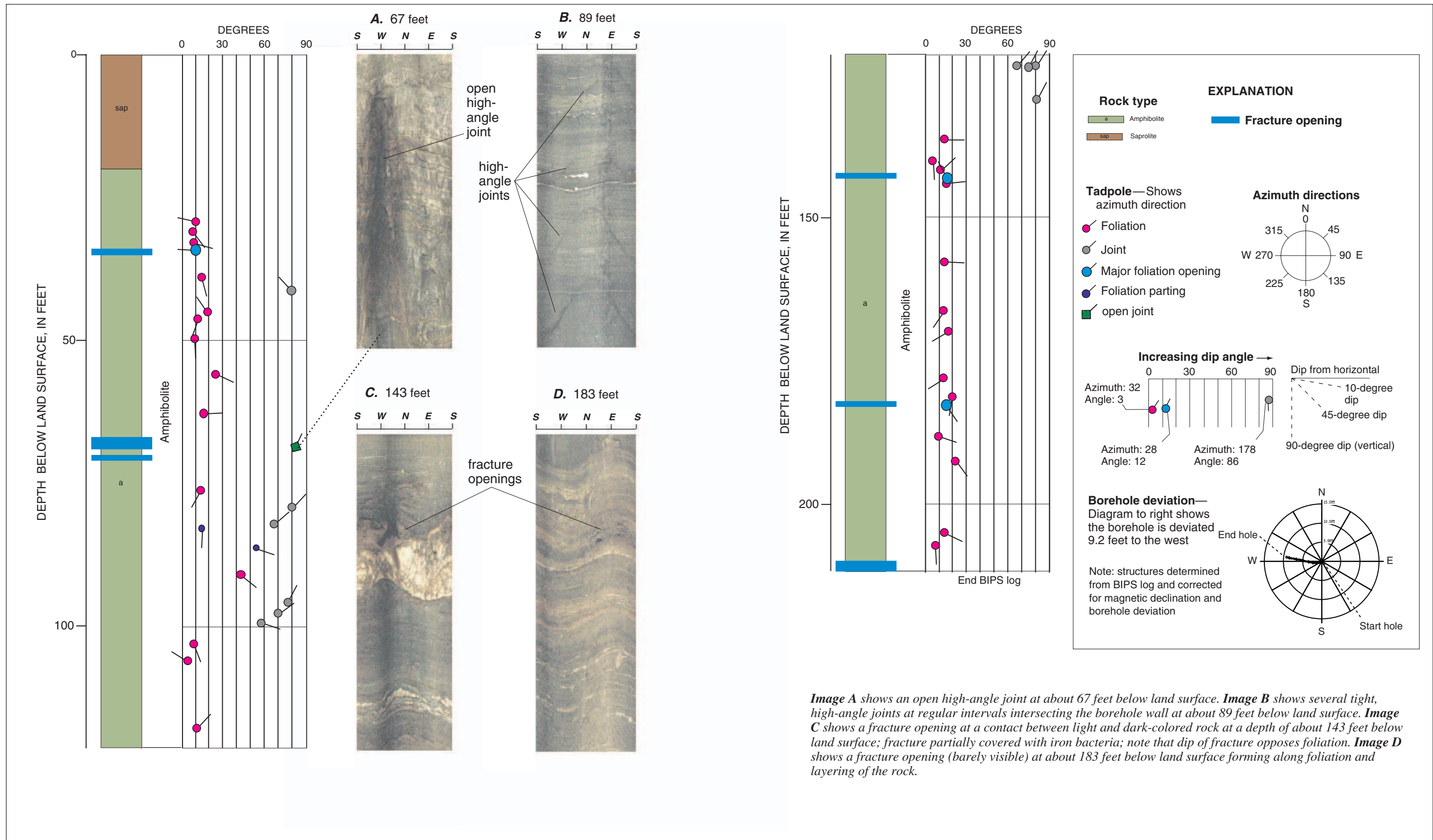


Image A shows an open high-angle joint at about 67 feet below land surface. **Image B** shows several tight, high-angle joints at regular intervals intersecting the borehole wall at about 89 feet below land surface. **Image C** shows a fracture opening at a contact between light and dark-colored rock at a depth of about 143 feet below land surface; fracture partially covered with iron bacteria; note that dip of fracture opposes foliation. **Image D** shows a fracture opening (barely visible) at about 183 feet below land surface forming along foliation and layering of the rock.

Structural tadpole plot and BIPS images for well 14FF17 (Rhodes Jordan Wellfield), Lawrenceville, Georgia.