

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:
Box 3667
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES
JAMES L. CALVER, COMMISSIONER
WATER WELL COMPLETION REPORT

OFFICE ADDRESS:
McCormick Road
Charlottesville, Virginia

OWNER: Blake & Bane
Brookwood Manor #2 Mailing Address: _____

TENANT: _____ Mailing Address: _____

DRILLER: W. H. Gammon Well Co. Mailing Address: Rt. 2 Box 125 Providence Forge VA
23140

WELL LOCATION: County New Kent Approx. 1 1/2 ~~XXXX~~ miles S (direction) of
Rt. #249 and 1 1/2 ~~XXXX~~ miles E (direction) of Bottoms Bridge

(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TWO REFERENCE POINTS-ROADS, TOWNS, RIVERS, ETC. - ON COUNTY HIGHWAY OR OTHER MAP.)

DATE STARTED: 9-12-77 DATE COMPLETED: 9-23-77

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 348 feet

WATER LEVEL: Stands 135 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Sub. pump
Drawdown 22 feet
Rate 60 gal. per min.
Duration 48 hrs., _____ min.

HOLE SIZE: 9-7/8 inches from 0 to 348 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WATER ZONES: from _____ to _____ feet
from _____ to _____ feet
from _____ to _____ feet

SCREEN SIZE: 4 inches from 294 to 314 feet

WATER: Color _____ Taste _____
Odor _____ Temp. _____ °F

CASE SIZE: 4 inches from 0 to 294 feet
4 inches from 314 to 345 feet
_____ inches from _____ to _____ feet

WELL TO SUPPLY: (check one) Home _____
Farm _____ Town _____ School _____
Industry _____ Other Subdivision

GROUTING: Method _____
Material _____ Depth 50 feet

WATER ANALYSIS AVAILABLE: Yes _____ No _____

PUMP: Type Submersible
Capacity 55 gal per min
Depth of intake 189 feet

DRILL CUTTINGS SAVED: Yes XX No _____

(DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT INTERVALS. THESE SAMPLES MAY BE SHIPPED TO THIS OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNISHED FREE OF CHARGE UPON REQUEST.)

REMARKS: _____

LOG

FURNISHED BY: _____

DATE: _____

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	23	Topsoil Red clay, red and yellow sand	
23	45	Yellow sand, small gravelly shells	
45	65	Small gravel, shells, blue sand and mud	
65	100	Gravel, shells and blue mud	
100	120	Shells and blue mud	
120	141	Gray mud, shells and black sand	
141	161	Gray mud, black sand	
161	180	Gray mud, black sand	
180	200	Gray mud, red sand	
200	220	Gray mud, black sand	
220	240	Black mud	
240	260	Black mud, few shells	
260	280	Black, red, green, white and purple mud	
280	301	Green mud, sand clay and water sand	
301	322	Sand clay, green water sand	
322	343	Sand and greenish gray mud	
343	348	Sand and sand clay	

(Use additional forms if necessary)

Owner: Blake & Bane (Brookwood Manor #2) W# 5422
Driller: Gammon C# 90
County: New Kent Total Depth: 348'
Quad: Quinton
Elev: 125'

Depth WELL LOG
(feet)

- 0-23 Sand - dark yellowish orange (10YR 6/6); coarse, subangular, well sorted; rose quartz.
- 23-45 Sand - dark yellowish orange (10YR 6/6); granule, subangular and rounded, well sorted; rare shell fragments; echinoderm spine; iron oxide nodules; bone fragment (rib).
- 45-65 Gravel - light and dark brown; small pebbles, subrounded and rounded, well sorted; 2% shell fragments; 3% hematite nodules.
- 65-85 Sand - light olive gray (5Y 5/1); moderate clay; medium with few larger grains and 5% pebbles, subangular with rounded pebbles, well sorted; fine glauconite, green and dark green, 15%; 1% large phosphate nodules; forams; garnet.
- 85-100 No Sample.
- 100-120 As above, at 65-85, except 40% glauconite.
- 120-161 Sand, Glauconitic - olive gray (5Y 4/1); 50% glauconite, fine and dark green; abundant clay; fine to very coarse, subangular, moderate sorting; sparse shell fragments; shark tooth; forams - Guttulina, Nonion, Discorbis, Cibicides; ostracod (large one); echinoderm spines.
- 161-180 Sand, Glauconitic - olive gray (5Y 4/1); 60% glauconite; abundant clay; fine to very coarse, subangular, poorly sorted; 20% shell fragments; forams - Quinqueloculina, Nonion, Dentalium; ostracods; echinoderm spines.
- 180-220 Sand, Glauconitic - dark yellowish brown (10YR 4/2); 50% glauconite; abundant clay (light brown); fine to very coarse, subangular, poorly sorted; 10% fine shell fragments; forams; ostracods; bone fragments; fish vertebra; few larger shell fragments and very sparse gray clay at 200-220; mica.

Owner: Blake & Bane (Brookwood Manor #2)

W# 5422

C# 90

Depth
(feet)

- 220-240 Sand, Glauconitic - dusky yellowish brown (10YR 2/2); 70% glauconite, fine and dark green; abundant clay - light brown and light olive gray; fine to very coarse, subangular, poorly sorted; forams; ostracods; bone fragments; mica.
- 240-260 Sand, Glauconitic - olive black (5Y 3/1); 80% glauconite; abundant clay; fine to coarse, subangular, poorly sorted; 8% fine shell fragments; forams; ostracods; echinoderm spines; bone fragments.
- 260-280 Clay, glauconitic - moderate yellowish brown (10YR 5/4); 50% glauconite, fine and dark green; abundant sand; fine to coarse, angular and subangular, moderately sorted; 10% fine shell fragments; forams.
- 280-343 Sand - yellowish gray (5Y 6/2); medium to granule, subangular and rounded, moderate sorting; 10%+ fine, dark green glauconite; very rare shell fragment; foram - Nodosaria.
- 343-348 No Sample.

Logged by: J. K. Polzin
September 19, 1980