

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-5365
C-114
OFFICE ADDRESS:
McCormick Road
Charlottesville, Virginia

MAILING ADDRESS: DIVISION OF MINERAL RESOURCES
Box 3667
Charlottesville, VA 22903
JAMES L. CALVER, COMMISSIONER
WATER WELL COMPLETION REPORT

OWNER: Charles City County School Board Mailing Address: Charles City, VA 23030

TENANT: _____ Mailing Address: _____

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

WELL LOCATION: County Charles City Approx. 1/4 ~~xxxx~~ miles W. (direction) of
Charles City C. H. and 300 ~~xxxx~~ feet S. (direction) of Route #5

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

DATE STARTED: 1-27-77 DATE COMPLETED: 2-1-77

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 331 feet

WATER LEVEL: Stands 64 feet below surface OR
has NATURAL flow of _____ gallons per minute

YIELD TEST: Method Sub. Pump
Drawdown 10 feet
Rate 70 gal. per min.
Duration 24 hrs., _____ min.

HOLE SIZE: 8 inches from 0 to 331 feet
_____ inches from _____ to _____ feet

SCREEN SIZE: 3 inches from 311 to 331 feet

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

CASE SIZE: 4 inches from 0 to 311 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

GROUTING: Method _____
Material _____ Depth 50 feet

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

PUMP: Type Submersible
Capacity 18 gal per min
Depth of intake 126 feet

WATER ANALYSIS AVAILABLE: Yes _____ No _____
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	Red & yellow clay, sand & small gravel	
23	38	Red sand & gravel	
38	58	Red sand & gravel	
58	78	Gravel, blue sand, mud, shale	
78	98	Gravel, shale, sand, blue mud, salt & pepper sand	
98	118	Gray mud, black sand	
118	138	Gray mud, black sand, red mud	
138	158	Gray mud, black sand	
158	178	Gray mud, black sand	
178	199	Gray mud, black sand, shells	
199	220	Gray mud, white mud, sand clay, green mud	
220	241	Sand clay, water sand, green mud, white mud	
241	262	Sand clay, water sand, white mud, green mud, red mud	
262	283	Red mud, green mud, white mud, sand clay, water sand	
283	304	Water sand	
304	331	Water sand, sand clay	

(Use additional forms if necessary)

Owner: County School Board
Driller: W. H. Gammon
County: Charles City

W# 5365
C# 114
Total Depth: 331'
Quad: Charles City
Elev: 45'

Depth
(feet)

WELL LOG

- 0-23 Sand, Clayey - dark yellow orange (10YR 6/6), abundant clay clasts, fine to granule, subangular; moderate sorting; quartz; 3% fine black phosphatic fragments; garnet; mica.
- 23-38 Sand - as above, except: sparse clay.
- 38-58 Gravel - mixed white, yellow and brown, granules greater than 8mm.
- 58-78 Sand, Clayey - grayish olive (10Y 4/2); large clay clasts, dark gray, light gray and tan; sand as above, plus large granules as above; 30% glauconite, 3% shell fragments; 1%+ forams - Quinqueloculina; Guttulina; Bolivina; Gyroidina; Lagena (2); Nonion; 1% ostracods; 1% echinoderm spines.
- 78-98 Sand, Clayey - moderate yellow gray (5Y 7/1); abundant clay; on washed sample - as above, but clay still very abundant and obscuring other material. Forams - Quinqueloculina; Guttulina; Bolivina; Gyroidina; Lagena (2); Marginulina; Siphogenerina; Discorbis; 3%+.
- 98-118 Clay, Sandy - olive gray (5Y 4/1); abundant clay and clasts; sparse sand; medium to very coarse; poorly sorted; quartz; 60% glauconite - dark green; 7% fine shell fragments; forams, ostracods, coral; mica.
- 118-138 Clay - moderate pink brown (5YR 5/4) and clasts of light brown (5YR 6/4); abundant clasts and "pellets;" very sparse sand - as above; 10% glauconite; some shell fragments; pyrite on quartz fragment.
- 138-158 Sand, Clayey - olive gray (5Y 4/1); plus fragments of above color; clay coated quartz sand; clay clasts of both colors; abundant sand - medium to coarse, subangular; poor sorting; quartz; 50%+ glauconite; 1% muscovite; forams - Guttulina; Nonion; Quinque; ostracods.
- 158-178 Sand, Clayey - as above, except: 80%+ glauconite; forams; ostracods; 2% mica.
- 178-199 Sand, Clayey - dark olive gray (5Y 3/1); as above, except: very sparse sand, some granules; 90%+ glauconite; 8% shell fragments; forams; ostracods; garnet.

Owner: County School Board

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Depth
(feet)

199-230 Sand - yellow olive gray (5Y 7/2); moderate clay in sand clasts, moderate silt; very fine to pebble; subangular; poorly sorted; quartz; 30% glauconite; sparse forams; mica; pyrite.

230-251 Sand - as above, except: abundant clay and in clasts; 10% glauconite; sparse forams; feldspar.

251-272 Sand - medium yellowish brown (10YR 5/2); clasts of various colors - red; orange; white; gray; very fine to granule; poor sorting; quartz; 8% glauconite; some forams - Pyrulina; ostracods; mica; garnet.

272-293 Clay - moderate brown (5YR 4/6); abundant clasts of reddish and light gray color: sparse sand as above; 5% glauconite; bone; garnet; mica.

293-304 Sand - light olive gray (5Y 6/1); medium to very coarse; subangular; moderately well sorted; quartz - frosted; feldspar.

304-324 Sand - as above, except: medium to pebble.

324-331 No Sample.

Logged by: J. K. Polzin
June 5, 1980