

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W# 5658  
C# 221

MAILING ADDRESS:  
B-3667  
Charlottesville, VA 22903

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

OFFICE ADDRESS:  
McCormick Road  
Charlottesville, Virginia

OWNER: R. F. Burke Steele, Jr. Mailing Address: 51 S. Market St.  
Petersburg, Virginia

TENANT: \_\_\_\_\_ Mailing Address: \_\_\_\_\_

DRILLER: Mitchells Well & Pump Co., Inc. Mailing Address: 16815 Happy Hill Rd.  
Col. Hgts., VA.

WELL LOCATION: County Prince George Approx. \_\_\_\_\_ feet  
\_\_\_\_\_ miles (direction) of \_\_\_\_\_  
\_\_\_\_\_ and \_\_\_\_\_ feet  
\_\_\_\_\_ miles (direction) of \_\_\_\_\_

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

DATE STARTED: October 1978 DATE COMPLETED: November 1978

TYPE OF DRILL RIG USED: Cable Tool TOTAL DEPTH 227' feet

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

YIELD TEST: Method \_\_\_\_\_  
Drawdown \_\_\_\_\_ feet  
Rate \_\_\_\_\_ gal. per min.  
Duration \_\_\_\_\_ hrs., \_\_\_\_\_ min.

HOLE SIZE: 7½ inches from 0 to 12 feet  
4 inches from 12 to 227 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER ZONES: from \_\_\_\_\_ to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet

SCREEN SIZE: \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER: Color \_\_\_\_\_ Taste \_\_\_\_\_  
Odor \_\_\_\_\_ Temp. \_\_\_\_\_ °F

CASE SIZE: 4 inches from +1 to 224' 5"  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WELL TO SUPPLY: (check one) Home \_\_\_\_\_  
Farm \_\_\_\_\_ Town \_\_\_\_\_ School \_\_\_\_\_  
Industry \_\_\_\_\_ Other \_\_\_\_\_

GROUTING: Method \_\_\_\_\_  
Material \_\_\_\_\_ Depth \_\_\_\_\_ feet

WATER ANALYSIS AVAILABLE: Yes \_\_\_\_\_ No \_\_\_\_\_

PUMP: Type \_\_\_\_\_  
Capacity \_\_\_\_\_ gal per min  
Depth of intake \_\_\_\_\_ feet

DRILL CUTTINGS SAVED: Yes X 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: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

WV 6650  
CA 251

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	20	tan mud	1 & 2
20	50	orangeish mud	3, 4, & 5
50	60	orangeish sand and gravel	6
60	70	gray mud	7
70	160	dark gray mud	8 thru 16
160	170	tan mud	17
170	180	dark gray mud	18
180	227	gray sand and gravel	19 thru 23



Owner: R. F. Burke Steele  
Driller: Mitchell W & P Co., Inc.  
County: Prince George

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Total Depth: 227'  
Quad: Charles City  
Elev: 30'

Depth  
(feet)

WELL LOG

0-10 Clay - Grayish orange (10yr 7/4); sparse sand; medium to coarse; subangular; poor sorting; quartz.

10-20 Clay - Yellow orange (10yr 6/4); as above, except: moderate sand; medium to pebble.

20-30 Clay and Gravel - As Above, except: pebbles up to 10mm.

30-40 Sand - Yellow orange (10yr 6/4); medium to very coarse; some granules; well sorted.

40-50 Sand - As Above, except: some 10mm pebbles.

50-60 Sand - Yellow orange (10yr 7/4); no clay; sparse silt; sand-fine to granule; angular to subangular; poor sorting; quartz.

60-70 Clay and Sand - Light olive gray (5y 6/1); ~~some~~ medium to coarse, subangular, some very coarse, well sorted; quartz.

70-80 Clay - Olive gray (5y 5/1); moderate sand; as above; feldspar; mica; glauconite.

80-90 Clay - As Above, except: 15% glauconite; wood fragments; 1% mica; shell fragments.

90-100 Clay - As Above.

100-110 Clay - As Above, except: 20% glauconite.

110-120 Clay - As Above, except: 30% glauconite; forams.

120-130 Clay - As Above, except: some granules; black phosphatic nodules; no shell fragments.

130-140 Sand - Olive Black (5y 2/1); sparse silt; medium; subangular; some granules; well sorted; quartz; 45% glauconite; mica.

140-150 Sand - As Above.

150-160 Clay - Olive gray (5y 5/1); abundant clasts, with pink and tan coloration; very sparse sand as above; 20%+ glauconite; mica.

160-170 Clay - Pale yellowish brown (10yr 6/2).

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Depth  
(feet)

Sand-

170-180 ~~Clasts, very sparse sand,~~ as above; small clasts of olive black clay with glauconite-sand mixture.

180-190 Sand - Light olive gray (5y 6/1); moderate clay; ~~sand~~, medium to very coarse, subangular, moderate sorting; quartz; 15% glauconite.

190-200 Sand - Salt and Pepper; coarse to granule; angular to sub-angular; moderate sorting; quartz; 20% glauconite; garnet chips; feldspar.

200-210 Sand - Yellow gray (5y 8/1); medium to granule; frosted; rest as above; rare glauconite; iron; garnet.

210-220 Sand - As Above, except: 4% glauconite; feldspar; shell fragments.

220-227 Sand - As Above, except: very sparse clay in small clasts (white); coarse to granule; rare glauconite; garnet.

Logged by: J. K. Polzin  
April 25, 1980