

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W# 5386  
C# 216

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

Box 3667

JAMES L. CALVER, COMMISSIONER

McCormick Road

Charlottesville, VA 22903

WATER WELL COMPLETION REPORT

Charlottesville, Virginia

OWNER: Mr. David A. Harrison, III

Rt. 1, Box 353 A

Mailing Address: Hopewell, VA. 23860

TENANT:

Mailing Address:

DRILLER: Mitchell's Well & Pump Co., Inc.

16815 Happy Hill Rd.

Mailing Address: Colonial Heights, VA. 23834

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: May 1978

DATE COMPLETED: May 1978

TYPE OF DRILL RIG USED: combination TOTAL DEPTH 209' feet

WATER LEVEL: Stands \_\_\_\_\_ feet below surface OR

has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method Pumped

HOLE SIZE: 8 inches from 0 to 12 feet

Drawdown \_\_\_\_\_ feet

6 inches from 12 to 209 feet

Rate 15 gal. per min.

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

Duration 4 hrs., \_\_\_\_\_ min.

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

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

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

from \_\_\_\_\_ to \_\_\_\_\_ feet

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

from \_\_\_\_\_ to \_\_\_\_\_ feet

CASE SIZE: 4 inches from +1 to 209 feet

WATER: Color \_\_\_\_\_ Taste \_\_\_\_\_

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

Odor \_\_\_\_\_ Temp. \_\_\_\_\_ °F

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WELL TO SUPPLY: (check one) Home

GROUTING: Method \_\_\_\_\_

Farm \_\_\_\_\_ Town \_\_\_\_\_ School \_\_\_\_\_

Material \_\_\_\_\_ Depth \_\_\_\_\_ feet

Industry \_\_\_\_\_ Other \_\_\_\_\_

PUMP: Type \_\_\_\_\_

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

Capacity \_\_\_\_\_ gal per min

DRILL CUTTINGS SAVED: Yes  No \_\_\_\_\_

Depth of intake \_\_\_\_\_ feet

(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 OF WELL) OVER

# 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	tan earth	SAMPLE # 0
	10	orange earth and gravel	1
	20	orange earth and gravel	2
	30	orangeish earth & gravel	3
40	90	gray-orange mudshells	4, 5, 6, 7, 8, 9
100	120	dark gray-shells	10, 11, 12
130	209	gray-shells	13, 14, 15, 16, 17, 18, 19, 20, 21

(Use additional forms if necessary)



Owner: D. A. Harrison  
Driller: Mitchell's W & P Co.  
County: Prince George

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Total Depth: 209'  
Quad:  
Elev:

Depth  
(feet)

WELL LOG

- 0-10 Sand - Dark yellowish orange (10yr 6/6); medium to pebble; sub-angular to rounded; poorly sorted; quartz; iron; abundant clay.
- 10-20 Sand - As Above, except: coarse and very coarse; well sorted.
- 20-30 Gravel - Dark yellowish orange (10yr 6/6); 8mm ~~pebbles~~ Pebbles; subangular; well sorted; abundant clay.
- 30-40 Clay - Light olive gray (5y 6/1); abundant clay clasts, some tan; very sparse sand; medium to pebble, subangular, poor sorting; quartz; few shell fragments.
- 40-50 Clay - As Above, except: medium to very coarse.
- 50-60 Clay, Sandy - Yellowish gray (5y 7/2); abundant sand; medium grained; subangular; well sorted; quartz; 1% Echinoderm spines; 10% shell fragments; Forams-Nonion; mica; iron.
- 60-70 Sand, Clayey - Light olive gray (5y 6/1); As Above, except: 3% 10mm pebbles; 20% shell fragments; ostracod; shark teeth.
- 70-80 Clay, Sandy - As Above, except: no pebbles; 25% shell fragments.
- 80-90 Shell Hash - As Above, except: 50% large shell fragments; 1% 10mm+ pebbles; rest mixed sand and clay; sand mostly medium grained as above; Echinoderm spines; Scaphopods; shark tooth.
- 90-100 Sand-- Olive gray (5y 5/1); moderate clay; 80% glauconite; sand-medium, subangular, well sorted; quartz; 5% shell fragments; Echinoderm spines; mica.
- 100-110 Clay - Olive gray (5y 5/1); abundant clay; moderate sand; medium, few coarse, subangular, moderate sorting; quartz; 30% glauconite; 5% shell fragments; Ostracod; mica.
- 110-120 Clay - As Above, except: clay clasts of tan and gray; 40% glauconite; ~~orange~~ granules; orange quartz; 2% shell fragments; mica.
- 120-130 Clay - Light olive gray (5y 6/1); As Above, except: sparse fine to medium grained sand; 10% glauconite; no shell fragments.

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Depth  
(feet)

130-140 Clay - Olive gray (5y 5/1) and pale yellowish brown (10yr 7/2); abundant clasts; fine and medium, subangular, few very coarse, moderate sorting; quartz; 25% glauconite; few shell fragments; Forams-Robulus, Nodosaria, Gryphaea-Bivalves.

140-150 Clay - As Above, except: shark teeth.

150-160 Shell Hash - 50% shell fragments and 50% clay and sand; As Above, except: sand is 50% glauconite.

160-170 Clay - Olive gray (5y 4/1); abundant sand as above; 15% shell fragments; Forams; few pebbles.

170-180 Clay - Olive gray (5y 4/1); abundant clay; abundant sand as above with 50% glauconite; 20% shell fragments; Forams-Nodosaria, Robulus; shark tooth; phosphatic nodules; mica.

180-190 Gravel - Light olive gray (5y 6/1); sparse clay; gravel - granule to 8mm+ pebble; sand medium to fine; angular to sub-angular; poor sorting; quartz; 8% glauconite; some shell fragments; wood fragments; feldspar; iron; mica.

190-200 Gravel - As Above, except: pebbles 10mm; fine to pebble; 5% glauconite; no wood, feldspar<sup>or</sup> mica; scaphopod; abundant clay.

200-210 Sand - As Above, except: pebbles 10mm<sub>+</sub>; garnet chips.

Logged by: J. K. Polzin  
April 21, 1980