

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W# 5816  
C# 223

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: Mr. Ben P. Kanak Mailing Address: Rt. 1 Box 180 Prince George, VA.

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

DRILLER: Mitchell's Well & Pump Co., Inc. Mailing Address: 16815 Happy Hill Rd. Colonial Heights, VA. 23834

WELL LOCATION: County Prince George Approx. 1/4 <sup>1/4</sup> miles west (direction) of Courthouse 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: August 1979 DATE COMPLETED: August 1979

TYPE OF DRILL RIG USED: combination TOTAL DEPTH 207 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: 6 inches from 0 to 193 feet  
4 inches from 193 to 207 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 1/2 inches from +1 to 207 feet  
\_\_\_\_\_ 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: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# 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	28	clay	
28	79	sand	
79	95	shells	
95	115	blue mud	
115	137	sand	
137	143	blue mud	
143	200	sand	
			20' slotted pipe on bottom.



Owner: Ben P. Kanak  
Driller: Mitchell W & P Co.  
County: Prince George

W# 5816  
C# 223  
Total Depth: 207'  
Quad: Prince George  
Elev: 131'

Depth  
(feet)

WELL LOG

- 0-10 Clay - Dark yellowish orange (10yr 6/6); clasts of white clay coated abundantly with the orange clay; sparse sand-medium, subangular, moderate sorting; quartz.
- 10-20 Clay - Grayish orange (10yr 7/4); As Above; white kaolinite.
- 20-30 Sand - Grayish orange (10yr 7/4); sparse clay coating; abundant sand, medium to coarse, subangular, well sorted; quartz; 2% glauconite.
- 30-40 Sand - As Above, except: pyrite; feldspar.
- 40-50 Sand - As Above, except: sparse clay in clasts; medium to granule; moderate sorting; feldspar.
- 50-60 Sand - As Above.
- 60-70 Sand - As Above, except: few glauconite, limonite and garnet.
- 70-80 Sand - As Above and "Salt and Pepper"; poor sorting; 25% shell fragments - bryozoa, scaphapod; echinoderm plates; garnet.
- 80-90 Shell Hash - "Salt and Pepper"; very sparse clay adhering to sand grains; 80%+ shell fragments - Mollusca (new form); sand, medium to granule, subangular, poor sorting; quartz; Echinoderm parts; scaphapod, bryozoa, coral, arthropod parts.
- 90-100 Shell Hash - As Above, except: sparse olive gray (5y 4/1) clay; moderate sand; medium; subangular; well sorted; quartz; 10% granules; 20% glauconite; 50% shell fragments.
- 100-110 Clay - Light olive gray (5y 5/1); abundant sand; fine to granule; subrounded to rounded; few pebbles; poor sorting; quartz; 10% glauconite; 7% shell fragments; 1% ostracods; 1% forams-Nonion; Phosphatic nodules.
- 110-120 Sand - As Above, except: (5y 7/1); sparse clay in few clasts; very coarse to granule, subrounded, moderately well sorted; quartz (frosted); 1% fine to medium grains with some glauconite.
- 120-130 Sand - As Above, except: coarse to 4mm pebble; 1% pebbles; rare shell fragments.

Owner:  
Page 2

Ben P. Kanak

W# 5816  
C# 223

Depth  
(feet)

- 130-140 Clay - Yellow gray (5y 7/1); abundant clay in grain and clasts; ~~with~~ some kaolinite present; moderate sand; medium to granule, angular to rounded, poor sorting; quartz.
- 140-150 Sand - As Above, except: sparse clay, in clasts and on quartz granules; coarse to pebble, subrounded to rounded.
- 150-160 Sand - As Above, except: medium to pebble; feldspar; mica (muscovite).
- 160-170 Gravel - As Above, except: coarse to pebble; clay coated.
- 170-180 Gravel - As Above.
- 180-190 Gravel - As Above, except: angular to rounded.
- 190-200 Sand - As Above, except: coarse; subangular; some very coarse and granular; iron; garnet.

Logged by: J. K. Polzin  
April 28, 1980