

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

Box 3667  
Charlottesville, VA 22903

JAMES L. CALVER, COMMISSIONER

McCormick Road  
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: Mr. J. W. Bryant Mailing Address: Waverly, Virginia 23890

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

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

WELL LOCATION: County Sussex Approx. \_\_\_\_\_ feet \_\_\_\_\_ (direction) of \_\_\_\_\_  
Rt. 613 off Rt. 40 \_\_\_\_\_ and \_\_\_\_\_ feet \_\_\_\_\_ (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: June 1979 DATE COMPLETED: June 1979

TYPE OF DRILL RIG USED: \_\_\_\_\_ TOTAL DEPTH 213 feet

WATER LEVEL: Stands 95 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: 7 1/4 inches from 0 to 12 feet  
4 inches from 12 to 213 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 212' 8" 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  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: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_





Owner: J. W. Bryant  
Driller: Mitchell W. & P.  
County: Sussex

W# 5809  
C# 231  
Total Depth: 213'  
Quad: Waverly  
Elev: 82'

Depth  
(feet)

WELL LOG

- 0-10 Sand - Dark yellowish orange (10yr 6/6); sparse clay; fine to granule, subangular, some pebbles, poor sorting; quartz; phosphatic fragments; iron.
- 10-20 Sand - Dark yellowish orange; (10yr 5/6); moderate clay; fine to granule; subangular; poor sorting; quartz; phosphatic fragments; iron.
- 20-30 Shell Hash - 90% large shell fragments; fine to granule; poorly sorted; quartz; phosphatic fragments; echinoderm spines.
- 30-40 Shell Hash - As Above.
- 40-50 Sand - Light olive gray (5y 6/1); moderate granular clay; medium; subangular; well sorted; quartz; 8% shell fragments-pecten, chione powdered calcite.
- 50-60 Sand - Moderate olive gray (5y 3/1); As Above, except; 8% phosphatic fragments.
- 60-70 Sand, Clayey - Moderate olive gray (5y 5/1); abundant clay in clasts; medium grained; well sorted; quartz; 5% + phosphate fragments; 5% shell fragments, Turritella; Forams-Robulus, Nonion, Pyrulina; echinoderm spines.
- 70-80 Sand, Clayey - Moderate olive gray (5y 5/1); abundant clay in clasts; medium-grained, some coarse and very coarse-grained; moderate sorting; quartz; 5% phosphatic fragments; 5% shell fragments; forams.
- 80-90 Sand, Clayey - As Above, except; 2% shell fragments; sparse phosphate fragments.
- 90-100 Sand, Clayey - As Above, except; 15% shell fragments.
- 100-110 Clay - Moderate olive gray (5y 3/1); in clasts; sparse sand, fine to granule, subrounded, poor sorting; quartz; some glauconite; some shell fragments.
- 110-120 Sand - Moderate olive gray (5y 3/1); sparse clay in clasts; fine to granule; subrounded; poorly sorted; quartz; 50%+ glauconite; 1% shell fragments; phosphate nodules.
- 120-130 Sand - Moderate olive gray (5y 3/1); very sparse clay; fine to very coarse; subrounded; moderate sorting; quartz; 50%+ glauconite; rare shell fragments.

Depth  
(feet)

- 130-140 Sand - Olive black (5y 2/1); 90% glauconite-dark and light green; medium grained; subangular; well-sorted; quartz.
- 140-150 Sand - As Above.
- 150-160 Sand - As Above.
- 160-170 Sand - Olive black (5y 2/1); 90% glauconite; medium to granule; subangular; 1 pebble; poor sorting; quartz.
- 170-180 Sand - Moderate olive gray (5y 3/1); sparse clay in clasts and pellets; medium to granule; subangular; poor sorting; quartz; 50%+ glauconite; lignite.
- 180-190 Sand - "Salt and Pepper"; medium to granule; subangular and angular; poor sorting; quartz; 25% glauconite; feldspar; garnet; seed.
- 190-200 Sand - "Salt and Pepper"; medium to granule; subangular and subrounded; some small pebbles; poor sorting; quartz; 1%+ glauconite; feldspar; garnet.
- 200-213 Sand - "Salt and Pepper"; very sparse clay in small granules; medium to granule - more granules in sample; subangular; to subrounded; poor sorting; quartz; 8% glauconite; feldspar.

Logged by: J. K. Polzin  
July 16, 1980