

W-5661
C-219

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

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: D & S Builders Mailing Address: Rt. 1 Box 335D4 Prince George, VA.

TENANT: _____ Mailing Address: 16815 Happy Hill Rd. Colonial Hgts., VA.

DRILLER: Mitchell's Well & Pump Co., Inc. Mailing Address: _____
WELL LOCATION: County _____ Approx. 2 1/2 miles SE (direction) of Courthouse, right side.
Rt. 644, 3 miles from Prince George and _____ 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: January 1979 DATE COMPLETED: January 1979

TYPE OF DRILL RIG USED: Cable tool TOTAL DEPTH 200' 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: 7 1/2 inches from 0 to 12 feet
4 inches from 12 to 200 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

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

CASE SIZE: 4 inches from +1 to 199' 9" feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

GROUTING: Method _____
Material _____ Depth _____ feet

WATER ANALYSIS AVAILABLE: Yes _____ No _____

PUMP: Type _____
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.)

MARKS: _____

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 | | |
| | | | SAMPLE # |
| 0 | 10 | orange earth | 1 |
| 10 | 30 | orange earth | 2 & 3 |
| 30 | 40 | gray | 4 |
| 40 | 100 | gray earth-shells | 5 thru 10 |
| 100 | 110 | dark gray-shells | 11 |
| 110 | 120 | gray earth | 12 |
| 120 | 160 | dark gray earth-shells | 13, 14, 15, 16 |
| 160 | 200 | sand and gravel | 17, 18, 19, 20 |

(Use additional forms if necessary)

Owner: D & S Builders
Driller: Mitchell
County: Prince George

W# 5661
C# 219
Total Depth: 200'
Quad: Disputanta North
Elev: 111'

Depth
(feet)

Well Log

- 0-10 Clay - Grayish orange (10yr 7/4); abundant clay clasts; very sparse sand; very coarse grained, subangular; quartz.
- 10-20 Sand - Grayish orange (10yr 7/4); moderate clay; ~~medium~~ medium, subangular, few coarse, granules, pebbles, well-sorted; quartz.
- 20-30 Sand - As Above.
- 30-40 Shell Hash - Yellowish gray (5y 8/1); high dolomitic concentration in shells; abundant clay; very sparse sand as above; 50%+ shell fragments.
- 40-50 Sand - As Above, except: moderate clay; moderate sand; few shell fragments.
- 50-60 Clay & Shell Hash - Light olive gray (5y 6/1); abundant clay in clasts and as coating; sparse sand; medium to very coarse, subangular, poor sorting; quartz; 10%+ shell fragments; limestone fragments.
- 60-70 Clay and Shell Hash - As Above, except: leaf and root debris.
- 70-80 Clay and Shell Hash - As Above.
- 80-90 Clay - Light olive gray (5y 7/1); abundant sand; medium to very coarse, subangular, poor sorting; quartz; 7%+ shell fragments; Echinoderm Spines.
- 90-100 Clay and Shell Hash - Light olive gray (5y 7/1); moderate sand; coarse to very coarse; subangular; moderate sorting; quartz; 10%+ shells fragments; (New Form).
- 100-110 Clay - Light olive gray (5y 5/1); sparse sand; medium to very coarse - rest as above; 2% shell fragments; phosphatic fragments.
- 110-120 Clay - Light gray (N7) - Kaolinite clay; very sparse sand, very coarse, subrounded, sorting unobservable; quartz; pyrite.
- 120-130 Clay - Olive gray (5y 4/1); abundant clay; moderate sand; medium to very coarse; subangular; poor sorting; quartz; mica; pyrite; glauconite.

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Depth
(feet)

130-140 Clay - Dark greenish gray (5gy 4/1); as above, except: abundant sand; 7-10%± glauconite.

140-150 Clay - As Above, except: 25%± glauconite; 7% shell fragments.

150-160 Clay - Olive gray (5y 4/1); as above, except: moderate sand; mostly coarse-grained, subrounded; quartz; less glauconite-not able to estimate; at least 1% mica; some shell fragments.

160-170 Gravel - "Salt and Pepper" ; 50% various colored pebbles, 5-10mm; medium to granule, subrounded, poor sorting; quartz; 1% glauconite; shell bits; garnet chips.

170-180 Sand - Light olive gray (5y 6/1), with 25% various colored granules; rest as above; except: 6% glauconite; feldspar.

180-190 Sand - As Above, except: granules; sand moderately sorted; 3% glauconite; no shells.

190-200 Sand - As Above, except: glauconite rare.

Logged by: J. K. Polzin
April 23, 1980