

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W# 5660
C# 220

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: L S Building Contractor, Inc. Mailing Address: 3508 Oaklawn Blvd./Hopewell, VA.

TENANT: _____ Mailing Address: _____

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

WELL LOCATION: County Prince George Approx. _____ feet _____ miles _____ (direction) of _____ and _____ feet _____ miles _____ (direction) of Route 635

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

DATE STARTED: November 1978 DATE COMPLETED: November 1978

TYPE OF DRILL RIG USED: Cable tool TOTAL DEPTH 233 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 233 feet
_____ inches from _____ to _____ feet
SCREEN SIZE: _____ inches from _____ to _____ feet

WATER ZONES: from _____ to _____ feet
from _____ to _____ feet
from _____ to _____ feet

_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
CASE SIZE: 4 inches from +1 to 232 feet

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

_____ 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
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		
			SAMPLE #
0	10	orangeish mud	1
10	20	orange earth & gravel	2
20	30	orange earth & gravel	3
30	60	gray earth-shells	4, 5, 6
70	120	gray mud	7, 8, 9, 10, 11, 12
120	130	gray mud shells	13
130	200	gray mud	14, 15, 16, 17, 18, 19, 20
200	233	gray sand & gravel	21, 22, 23

(Use additional forms if necessary)

Owner: L. S. Building Contractor
Driller: Mitchell Well & Pump Co., Inc.
County: Prince George

W# 5660
C# 220
Total Depth: 233'
Quad: Westover
Elev: 124'

Depth
(feet)

WELL LOG

- 0-10 Clay - Grayish orange (10yr 7/4); sparse sand; medium to coarse, subrounded; quartz.
- 10-20 Sand - Grayish orange (10yr 7/4); sparse clay; fine to very coarse, some granules; poor sorting; rare glauconite.
- 20-30 Sand - As Above, except: 25% granules, 3mm+.
- 30-40 Sand - Light olive gray (5y 6/1); abundant clay; sand, medium to very coarse, subangular, poor sorting; quartz; 5% glauconite; 10% shell fragments; echinoderm spines.
- 40-50 Shell Fragments - As Above, except: moderate clay as coating; 50% shell fragments (large); sand as above.
- 50-60 Clay - As Above, except: 7% shell fragments.
- 60-70 Clay - As Above, except: very sparse sand and shell fragments.
- 70-80 Clay - As Above.
- 80-90 Sand - Light gray (N7); abundant clay; sand, medium, subangular, well sorted; quartz; 10%+ fine, black glauconite; some shell fragments.
- 90-100 Sand - As Above, except: 7% shell fragments.
- 100-110 Sand - Dark greenish gray (5gy 4/1); abundant clay; sand, medium to coarse, subangular, well sorted; quartz; 25% glauconite; 2% shell fragments; ostracod.
- 110-120 Clay - Light olive gray (5y 6/1); abundant clasts; some pinkish discoloration; sparse sand, medium to granule; subangular to subrounded; poor sorting; quartz; some shell fragments.
- 120-130 Clay - Olive gray (5y 4/1); As Above, except: 3%+ glauconite; 10% fine shell bits; macerel vertebra; mica.
- 130-140 Clay - Light olive gray (5y 6/1); abundant clasts, mottled in white, orange, dark and light o. gray; sparse sand, medium and coarse, some granules - rest as above; mica.
- 140-150 Clay - Light gray (N7); abundant clay; very sparse sand, as above; mica; pyrite.

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Depth
(feet)

- 150-160 Sand - Olive gray (5y 4/1); abundant clay; sand ~~medium~~, subangular, some very coarse, well sorted; quartz; 35% glauconite; 1% shell fragments; mica.
- 160-170 Sand - As Above, except: Foram-Robulus.
- 170-180 Sand - As Above.
- 180-190 Sand - Olive gray (5y 3/1); As Above, except: 50%+ glauconite.
- 190-200 Sand - As Above.
- 200-210 Sand - Light olive gray (5y 6/1); very sparse clay; medium to pebble; subangular; poor sorting; quartz; 10% glauconite; garnet chips.
- 210-220 Sand - As Above, except: 4% glauconite; fewer pebbles.
- 220-233 Sand - As Above, except: 10% pebbles, 10mm; iron; feldspar; garnet; some glauconite.

Logged by: J. K. Polzin
April 24, 1980