

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-5659
C- 230

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: George O. Urquhart Mailing Address: Rt. 1, Box 77 Waverly, VA. 23890

TENANT: _____ Mailing Address: _____

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

WELL LOCATION: County _____ 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: January 1979 DATE COMPLETED: January 1979

TYPE OF DRILL RIG USED: Cable tool TOTAL DEPTH 205' 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 205 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 202' 1" 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: _____

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	10	tan mud	SAMPLE # 1
10	20	tan mud	2
20	50	tan sand & gravel	3, 4, 5
50	60	gray	6
60	130	gray mud & shells	7 thru 13
130	140	dark gray sand & gravel	14
140	205	gray sand & gravel	15 thru 20

Owner: George O. Urguhart
Driller: Mitchell W & P
County: Sussex (Waverly)

W# 5659
C# 230
Total Depth: 205'
Quad: Disputanta South
Elev: 117'

Depth
(feet)

WELL LOG

0-10 Clay - Pale grayish orange (10yr 8/4); firm; fine-grained clasts.

10-20 Clay - Grayish orange (10yr 7/4); clay as above; abundant sand; medium-grained, subangular, well sorted; quartz.

20-30 Sand - Grayish orange (10yr 7/4); sparse clay in sand clasts; medium to granule sand; rest as above; phosphatic fragments; garnet.

30-40 Sand - As Above.

40-50 Sand - As Above.

50-60 Shell Hash - Yellowish gray (5y 7/1); fine calcite powder; 50% shell fragments; some sand.

60-70 Clay - Light olive gray (5y 6/1); clasts of clay; moderate sand; fine to medium; subangular; well sorted; quartz; calcite powder; phosphatic fragments; shell fragments.

70-80 Clay - As Above, except: no sand.

80-90 Clay - As Above.

90-100 Clay - As Above.

100-110 Clay - As Above.

110-120 Clay - As Above.

120-130 Sand, Clayey - Olive gray (5y 4/1); clay in clasts and grains; abundant, medium-grained sand, As Above; 15+% (+) glauconite.

130-140 Gravel, Sandy - "Salt and Pepper"; 75% sand and glauconite; ~~which is 50% glauconite and 50% sand~~; medium to granule; rounded and angular; poor sorting; quartz; 25% large granule to pebble; garnet.

140-150 Sand - Light olive gray (5y 7/1); medium to granule; angular; poor sorting; quartz; 1 pebble; garnet; feldspar; iron; few grains glauconite.

150-160 Sand - As Above, except: light gray (N7)*; sub-angular; 3% fine glauconite; feldspar.

160-170 Sand - As Above, except: sparse clay in clasts; fine to granule; no glauconite.

170-180 Sand - As Above.

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Depth
(feet)

180-190 Sand - As Above, except; fine to very coarse.
190-205 Sand - As Above, except; few small clasts of clay; pyrite;
iron; increasing in grain size.

Logged by: J. K. Polzin
July 13, 1980