

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-3634  
C-100

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: Darrell A. Hart Mailing Address: Bowling Green, Va. 22527

TENANT: Bowling Green Camp #1 Mailing Address: \_\_\_\_\_

DRILLER: Mitchell's Well & Pump Company Mailing Address: Rt. 1, Box 110, Col. Hts. Va. 23834

WELL LOCATION: County Caroline County Approx. 2 1/2 <sup>1 1/2</sup>/<sub>miles</sub> South (direction) of  
Bowling Green on #311 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: June 1972 DATE COMPLETED: June 1972

TYPE OF DRILL RIG USED: Cable Tool TOTAL DEPTH 330' feet

WATER LEVEL: Stands 157 feet below surface OR  
has NATURAL flow of \_\_\_\_\_ gallons per minute

YIELD TEST: Method Pumped  
Drawdown \_\_\_\_\_ feet  
Rate 40 gal. per min.  
Duration 36 hrs., \_\_\_\_\_ min.  
Continuous pumping

HOLE SIZE: 10 inches from 0 to 50 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER ZONES: from \_\_\_\_\_ to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet

SCREEN SIZE: 4 inches from 310 to 330 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER: Color clear Taste good  
Odor none Temp. \_\_\_\_\_ °F

CASE SIZE: 4 1/4 inches from 0 to 290 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WELL TO SUPPLY: (check one) Home \_\_\_\_\_  
Farm \_\_\_\_\_ Town \_\_\_\_\_ School \_\_\_\_\_  
Industry \_\_\_\_\_ Other camp

GROUTING: Method Pumped  
cement &  
Material water Depth 50 feet

WATER ANALYSIS AVAILABLE: Yes  No \_\_\_\_\_

PUMP: Type Submersible  
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: #1 Well

# LOG

FURNISHED BY: Mitchell's Well & Pump Company

DATE: August 16, 1972

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	yellow mud and sand	SAMPLE #
10	20	ditto	1
20	30	"	2
30	40	"	3
40	50	yellow mud sand and gravel	4
50	60	yellow clay	5
60	70	gray clay	6
70	80	ditto	7
80	90	"	8
90	100	black sand and mud	9
100	110	ditto	10
110	120	"	11
120	130	"	12
130	140	black mud sand & some shell	13
140	150	ditto	14
150	160	"	15
160	170	"	16
170	180	"	17
180	190	"	18
190	200	"	19
200	210	gray clay	20
210	220	ditto	21
220	230	"	22
230	240	gray & red clay	23
240	250	gray and red with shell	24
250	260	ditto	25
260	270	"	26
270	280	gray clay and sand	27
280	290	ditto	28
290	300	gray mud and sand	29
300	310	white and brown sand	30
310	320	ditto	31
320	330	white sand	32
			33
		<p>Samples retained in our office for pickup by personnel of Division of Mineral Resources.</p>	
		<p>33 samples</p>	

VIRGINIA DIVISION OF MINERAL RESOURCES  
 Box 3667, Charlottesville, VA 22903

INTERVAL SHEET

Page 1 of 1

Well Repository No.: W- 3634

Date rec'd: 8/21/72 Date Processed: 11/9/72

Sample Interval: from 0 to: 330  
 C-100

PROPERTY: Darrell A. Hart  
 (Bowling Green)

Number of samples: 33

COMPANY: Mitchell W & P Co.

Total Depth: 330

COUNTY: Caroline (Bowling Green)

Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To	From-To
0-10	250-260	-	-	-
10-20	260-270	-	-	-
20-30	270-280	-	-	-
30-40	280-290	-	-	-
40-50	290-300	-	-	-
50-60	300-310	-	-	-
60-70	310-320	-	-	-
70-80	320-330	-	-	-
80-90	-	-	-	-
90-100	-	-	-	-
100-110	-	-	-	-
110-120	-	-	-	-
120-130	-	-	-	-
130-140	-	-	-	-
140-150	-	-	-	-
150-160	-	-	-	-
160-170	-	-	-	-
170-180	-	-	-	-
180-190	-	-	-	-
190-200	-	-	-	-
200-210	-	-	-	-
210-220	-	-	-	-
220-230	-	-	-	-
230-240	-	-	-	-
240-250	-	-	-	-

All intervals have both washed and unwashed samples.

-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

Owner: Darrell A. Hart  
Driller: Mitchell W & P  
County: Caroline (Bowling Green)

W# 3634  
C# 100  
Total depth: 330'  
Quad: Bowling Green  
Elev: 190'

Depth  
(feet)

WELL LOG

0-10 Sand - moderate grayish orange (10yr 6/4); abundant clay; medium to granule, sub-angular; poorly sorted; quartz.

10-20 Sand - As Above.

20-30 Sand - As Above.

30-40 Sand - As Above.

40-50 Sand - As Above.

50-70 No Sample.

70-80 Clay - light olive gray (5y 6/1); abundant clay in clasts; sand, very sparse; fine grained; quartz; glauconite.

80-90 Clay - As Above.

90-100 Clay - moderate olive gray, (5y 5/1); As Above except: abundant fine grained quartz sand. Well sorted.

100-110 Clay - As Above.

110-120 Clay - As Above.

120-130 Clay - As Above.

130-140 Clay - olive gray (5y 4/1); As Above, except: 1% shell fragments.

140-150 Clay - As Above except: sparse shell fragments.

150-160 Clay - As Above except: 1% shell fragments; 2% (+) glauconite; mica.

160-170 Clay - As Above.

170-180 Clay - As Above except: sparse shell fragments.

180-190 Clay - As Above except: 7% fine shell fragments; coral.

190-200 Clay - As Above except: sparse shell fragments.

200-210 Clay - yellowish gray (5y 7/2); abundant clay; sparse sand, medium to very coarse, sub-angular; few granules; poorly sorted; quartz.

- 210-220 Clay - As Above.
- 220-230 Clay - pale yellowish brown (10yr 6/2); As Above except: red stains on clasts.
- 230-240 Clay - As Above.
- 240-250 Clay - As Above.
- 250-260 Clay - As Above.
- 260-270 Clay - As Above.
- Clay - As Above: some color variation - lighter or darker, red; tans; orange.
- 270-280 Clay - As Above.
- 280-290 Clay - As Above.
- 290-300 Clay - As Above.
- 300-310 Sand - yellowish gray (5y 8/1); sparse clasts of clay; medium to granule, sub-angular; moderate sorting; quartz; magnetite.
- 310-320 Sand - As Above except: feldspar.
- 320-330 Sand - As Above except: medium and coarse; some very coarse and granule; well sorted; 25% fine grained feldspar particles; garnet chips.

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