

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: H. Scott Ingraham Mailing Address: 12330 Scaggsville Rd. Fulton MD 20759

TENANT: _____ Mailing Address: _____

DRILLER: Mitchell's Well & Pump Co., Inc. Mailing Address: 16815 Happy Hill Rd., Col. Hgts. VA 23834

WELL LOCATION: County Caroline Approx. _____ feet _____ miles _____ (direction) of
Go #301 to 721, turn right. Go 4 miles, turn left into his road.

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

DATE STARTED: Dec. 1974 DATE COMPLETED: Dec. 1974

TYPE OF DRILL RIG USED: Cable tool TOTAL DEPTH 290 feet

WATER LEVEL: Stands 126 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Pumped
Drawdown 200' pump pipe feet
took no
Rate 30 gal. per min.
Duration 15 hrs., _____ min.
Not continuous

HOLE SIZE: 10 inches from 0 to 50 feet
4 inches from 50 to 290 feet
_____ inches from _____ to _____ feet

SCREEN SIZE: 4 inches from 270 to 290 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

CASE SIZE: 4 inches from 0 to 263'2" feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

GROUTING: Method _____
Material _____ Depth 50 feet

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

PUMP: Type Submersible
Capacity _____ gal per min
Depth of intake _____ feet

WATER ANALYSIS AVAILABLE: Yes _____ No _____
DRILL CUTTINGS SAVED: Yes XX 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		
0	10	orange soil	SAMPLE # 1
10	20	tan-orange dirt	2
20	30	Ditto	3
30	40	tan dirt	4
40	50	gray sand	5
50	60	Ditto	6
60	70	gray mud	7
70	130	gray mud	8 to 13
130	140	gray mud - shell fragments	14
140	170	gray mud - shell fragments	15 to 17
170	210	gray mud	18 to 21
210	240	gray mud - shell fragments	22 to 24
240	250	dark gray dirt - shell fragments	25
250	255	gray-black sand & gravel	25½
255	260	Ditto	26
260	270	"	27
270	290	light gray sand & gravel	28 & 29

(Use additional forms if necessary)

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

INTERVAL SHEET

Page 1 of 1
 Date rec'd: 4/28/75 Date Processed: 2/6/76
 PROPERTY: H. Scott Ingraham
 COMPANY: Mitchell
 COUNTY: Caroline (Beale) (Penola 7½" Quadrangle)

C-108
 Well Repository No.: W-4353

Sample Interval: from 0 to: 290'
 Number of samples: 28
 Total Depth: 290'
 Oil or Gas: Water: XX Exploratory:

From-To	From-To	From-To	From-To	From-To
0-10	-	-	-	-
10-20	-	-	-	-
20-30	-	-	-	-
30-40	-	-	-	-
40-50	-	-	-	-
50-60	-	-	-	-
60-70	-	-	-	-
70-80	-	-	-	-
80-90	-	-	-	-
90- <u>100</u>	-	-	-	-
100-110	-	-	-	-
110-120	-	-	-	-
120-130	-	-	-	-
130-140	-	-	-	-
140-150	-	-	-	-
150-160	-	-	-	-
160-170	-	-	-	-
170-180	-	-	-	-
180-190	-	-	-	-
190- <u>200</u>	-	-	-	-
200-210	-	-	-	-
210-220	-	-	-	-
220-230	-	-	-	-
230-240	-	-	-	-
240-250	-	-	-	-
250-255	-	-	-	-
255-260	-	-	-	-
260-290	-	-	-	-
-	-	-	-	-
-	-	-	-	-

Both washed and unwashed samples.

Owner: H. Scott Ingraham
Driller: Mitchell
County: Caroline (Beale)

W# 4353
C# 108
Total Depth: 270'
Quad:
Elev:

Depth
(feet)

WELL LOG

0-10 Sand, Clayey - dark yellow orange (10YR 6/4); moderate clay; fine to very coarse; subangular; some granules; poor sorting; quartz.

10-20 Sand, Clayey - grayish orange (10YR 7/4); moderate clay; medium to granule; subangular; poorly sorted; quartz; glauconite.

20-30 Sand, Clayey - as above, except: abundant clay.

30-40 Sand, Clayey - as above, except: moderate clay; most sand in coarse to very coarse range; moderately well sorted.

40-50 Sand - pinkish gray (5YR 8/1); medium to very coarse, subangular; moderately well sorted quartz; blue-gray quartz; feldspar.

50-60 Sand - as above, except: magnetite.

60-70 Sand - dusky yellow (5Y 6/4); moderate fine clay; fine and coarse to very coarse; subangular to subrounded; poor sorting; quartz; magnetite.

70-80 Clay, Sandy - light olive gray (5Y 5/2); abundant small clasts of clay; sand as above; magnetite; mica.

80-90 Clay, Sandy - as above.

90-100 Clay - as above, except: very sparse sand; echinoderm spines.

100-110 Clay - as above.

110-120 Clay - as above, except: 15% fine glauconite; bone fragments; shark tooth; phosphatic fragment.

120-130 Clay, Sandy - as above, except: olive gray (5Y 3/1); abundant sand, medium to coarse, subrounded; moderately sorted; quartz; 25% fine glauconite; 1% mica.

130-140 Clay, Sandy - as above, except: olive gray (5Y 3/2); 35% glauconite; some shell fragments; lignite.

Depth
(feet)

- 140-150 Clay, Sandy - as at 120-130, except: 50% fine shell fragments.
- 150-160 Clay, Sandy - as at 130-140, except: 15% glauconite; 2% fine shell fragments; foram - Robulus; mica.
- 160-170 Clay, Sandy - as above, except: 30% glauconite; foram - Globigerina.
- 170-180 Clay, Sandy - as above, except: no shell fragments; foram - Robulus.
- 180-190 Clay, Sandy - as above.
- 190-200 Clay, Sandy - as above.
- 200-210 Clay, Sandy - as above, except: some very coarse; ostracod; lignite.
- 210-220 Clay, Sandy - as above, except: 2% shell fragments; foram - Nodosaria.
- 220-230 Clay, Sandy - as above, except: 40% glauconite.
- 230-240 Clay, Sandy - as above, except: fine to very coarse; 1% shell fragments.
- 240-250 Sandy Clay - as above, except: ostracod.
- 250-255 Sand - "salt and pepper;" very fine and medium to granule; subrounded; poorly sorted; quartz; rose and blue quartz; 5% black-phosphatic nodules; bone fragments and shark teeth; quartz crystal; feldspar; magnetite; pyrite.
- 255-260 Sand - as above.
- 260-290 Sand - as above, except: fine to very coarse; few black particles.

Logged by: J. K. Polzin
June 19, 1980