

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: Beaver Dam Baptist Church Mailing Address: Franklin, VA 23851

TENANT: _____ Mailing Address: _____

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

WELL LOCATION: County Isle of Wight - Pass through Franklin on Rt. #58. Go 4 miles
East of Franklin. Left side - Brick Church.

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

DATE STARTED: September 1974 DATE COMPLETED: September 1974

TYPE OF DRILL RIG USED: Cable Tool TOTAL DEPTH 350 feet

WATER LEVEL: Stands 180 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Pumped
300' of pump pipe - took no air
Drawdown _____ feet
Rate 18 gal. per min.
Duration 12 hrs., _____ min.
Not continuous

HOLE SIZE: 12 inches from 0 to 50 feet
? inches from 50 to 350 feet
_____ inches from _____ to _____ feet

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

SCREEN SIZE: 4 inches from 325 to 335 feet
With Blank Above
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

CASE SIZE: 4 inches from 0 to 323'3" feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

GROUTING: Method Pumped
Material Cement & Water Depth 50 feet

WATER ANALYSIS AVAILABLE: Yes _____ No _____

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

DRILL CUTTINGS SAVED: (35) 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: Well was back filled from 350 to 335'.

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	Orangish dirt	1
10	20	Ditto	2
20	30	Gray mud-shell fragments	3
30	40	Ditto	4
40	50	Ditto	5
50	60	"	6
60	70	Gray dirt	7
70	80	Gray mud	8
80	90	Ditto	9
90	100	Gray mud-shell fragments	10
100	110	Gray mud	11
110	120	Ditto	12
120	130	"	13
130	140	Dark gray dirt-shell fragments	14
140	150	Gray sand-shell fragments	15
150	160	Black dirt	16
160	170	Green dirt	17
170	180	Ditto	18
180	190	Dark greenish dirt	19
190	200	Black dirt	20
200	210	Gray dirt	21
210	220	Ditto	22
220	230	"	23
230	240	Black mud	24
240	250	Gray dirt	25
250	260	Ditto	26
260	270	"	27
270	280	Gray mud	28
280	290	Ditto	29
290	300	Dark gray mud	30
300	310	Gray sand	31
310	320	Light gray sand	32
320	330	Ditto	33
330	340	Grayish sand	34
340	350	Gray sand	35

(Use additional forms if necessary)

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

INTERVAL SHEET

Page 1 of 1 Well Repository No: C-217 W-4256
Date rec'd: 10/28/74 Date Processed: 9/23/75 Sample Interval: from:0 to:350
PROPERTY: Beaver Dam Baptist Church Number of samples: 35
COMPANY: Mitchell's W & P Co. Total Depth: 350
COUNTY: Isle of Wight (Franklin) Oil or Gas: Water:X Exploratory:

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- <u>300</u>	-	-
50-60	300-310	-	-
60-70	310-320	-	-
70-80	320-330	-	-
80-90	330-340	-	-
90- <u>100</u>	340-350	-	-
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	-	-	-

All intervals have both washed and unwashed samples.

Owner: Beaver Dam Baptist Church
Driller: Mitchell
County: Isle of Wight (Franklin)

W# 4256
C# 217
Total Depth: 350
Quad: Holland
Elev: 64'

Depth
(feet)

WELL LOG

0-20 Sand - dark yellowish orange (10YR 5/6 and 6/6 at 10-20); moderate clay; very fine to very coarse, subangular, moderate sorting.

20-60 Sand - light olive gray (5Y 5/1); abundant clay; medium, subangular, well sorted; 40% fine shell fragments - Mulinia, yoldia, barnacle, coral.

60-90 Sand - light olive gray (5Y 5/2); moderate clay in clasts, abundant at 70-80; fine to medium, subangular, moderately well sorted; 3% fine phosphate fragments - 10% at 70-80; fine shell fragments - 5% at 60-70, 3% at 70-80 and 1% at 80-90.

90-100 Sand - light olive brown (5Y 4/6); abundant clay; fine to medium, subangular, moderately well sorted; 15% glauconite; 40% fine shell fragments; sandstone fragments.

100-120 Clay - light olive gray (5Y 5/1); ~~moderately~~ 1-2 shell fragments; mica.

120-130 Sand - light olive gray (5Y 5/2); sparse clay; medium, subangular, well sorted; 10% phosphate fragments; 1% shell fragments.

130-140 Sand, Glauconitic - light and dark gray; 50% glauconite; sparse clay; fine to coarse, subangular, moderate sorting; 3% shell fragments; forams - Nodosaria; garnet.

140-150 Sand - light olive gray (5Y 7/1); coarse, subangular, well sorted; 10% phosphate fragments; 10% shell fragments; iron oxide fragments/crusts.

150-160 Sand, Glauconitic - greenish black (5GY 4/1); 99% glauconite medium, green; very sparse clay; coarse, subangular, few grains.

160-170 Sand, Glauconitic - Dusky yellowish green (10GY 3/2); 95% glauconite; coarse, subangular, well sorted; very rare shell fragments; pyrite with glauconite.

170-180 Sand, Glauconitic - light and dark green; 90% glauconite; moderate sand; coarse, subangular, well sorted; phosphate fragments; 8% fine shell fragments; garnet.

Owner: Beaver Dam Baptist Church

W# 4256

C# 217

Depth
(feet)

- 180-200 Sand, Glauconitic - light and dark green; 70% glauconite; sparse clay at 190-200; medium to granule, subangular, poorly sorted; phosphate fragments; rare shell fragments at 180-190; ostracods at 190-200; rose quartz; garnet.
- 200-220 Gravel - light olive gray (5Y 5/2); abundant clay; fine to granule, subangular, poorly sorted; rare phosphate fragments/ bone fragments; shark teeth; hematite fragment; mica.
- 220-230 Clay - light olive gray (5Y 5/1); loose sparse sand; medium to very coarse, subangular, poorly sorted; pyrite; mica in clay clasts.
- 230-240 Sand - olive gray (5Y 4/1); abundant clay; medium to very coarse, subangular, moderate sorting; 15% glauconite; mica.
- 240-260 Gravel - light olive gray (5Y 6/1) and olive gray (5Y 4/1) at 250-260; abundant clay with stains on clasts; very fine to granules, subangular and angular, poor sorting; 10% glauconite; bone fragments; shark teeth; large fragment hematite; feldspar; mica.
- 260-300 Clay - light olive gray (5Y 6/1) and olive black (5Y 4/1); abundant sand; very fine to granule, angular and subangular, poor sorting; 10% glauconite at 290-300 with some in limestone clasts; phosphate nodules at 270-300; abundant bone fragments; shark teeth; mica with 10% at 260-270; garnet at 280-300.
- 300-310 Sand - light and dark gray; very sparse clay; fine to very coarse, angular and subangular, moderate sorting; 10% glauconite; abundant bone fragments, shell fragments and phosphate fragments; feldspar; garnet.
- 310-330 Sand - yellowish gray (5Y 7/2); medium to very coarse at 310-320 and fine to granule at 320-330; angular and subangular, moderate sorting; 10% to 5% bone fragments; feldspar; garnet.
- 330-350 Sand - yellowish gray (5Y 7/2); medium to very coarse with some granules at 330-340; and mostly coarse at 340-350; angular and subangular, moderately sorted; very rare bone fragments; feldspar; mica with 3% at 340-350; garnet.

Logged by: J. K. Polzin
October 10/15, 1980