

COMMONWEALTH OF VIRGINIA

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

Box 3667  
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS:

McCormick Road  
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: Douglas and Dickinson, Inc. Mailing Address: Box 498, Warsaw, Va. 22572

TENANT: Churchfields Subdivision Mailing Address: \_\_\_\_\_

DRILLER: Douglas Drilling Co., Inc. Mailing Address: Box 498, Warsaw, Va. 22572

WELL LOCATION: County Lancaster Approx. 1000 <sup>feet</sup>~~xxx~~ Southeast (direction) of  
intersection of Routes 3 and 222 <sup>feet</sup>~~xxx~~ XXX (direction) of XX

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

DATE STARTED: 13 Sept. 1972 DATE COMPLETED: 16 Sept. 1972

TYPE OF DRILL RIG USED: rotary TOTAL DEPTH 739 feet

WATER LEVEL: Stands 106 feet below surface OR

has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method air

Drawdown 39' feet

Rate 40 gal. per min.

Duration 2 hrs., \_\_\_\_\_ min.

HOLE SIZE: 6 inches from 0 to 252 feet

3-7/8 inches from 252 to 739 feet

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

SCREEN SIZE: \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

No. 2. 2 inches from 691 to 701 feet

No. 1. 1 1/4 inches from 701 to 711 feet

CASE SIZE: 4 inches from 0 to 252 feet

WEIGHT: standard 2 inches from 252 to 691 feet

Sched. 40 Galvanized 2 inches from 711 to 739 feet

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

from \_\_\_\_\_ to \_\_\_\_\_ feet

from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER: Color \_\_\_\_\_ Taste \_\_\_\_\_

Odor \_\_\_\_\_ Temp. \_\_\_\_\_ °F

WELL TO SUPPLY: (check one) Home \_\_\_\_\_

Farm \_\_\_\_\_ Town \_\_\_\_\_ School \_\_\_\_\_

Industry \_\_\_\_\_ Other subdivision

GROUTING: Method \_\_\_\_\_

Material \_\_\_\_\_ Depth \_\_\_\_\_ feet

PUMP: Type \_\_\_\_\_

Capacity \_\_\_\_\_ gal per min

Depth of intake \_\_\_\_\_ feet

WATER ANALYSIS AVAILABLE: Yes X No \_\_\_\_\_  
(68)

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: Request copy of Geologic log be sent to owner as soon as possible, to assist

owner with Health Department requirements for a permit.

LOG

FURNISHED BY: Douglas Drilling Company

DATE: 16 Sept. 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	approx. 65'	65'	coarse sand and fine gravel with some clay	
65'	approx. 320'	320'	fine sand with clay binder	
320'	approx. 360'	360'	white sand, some water, sulphur odor	
360'	approx. 685'	685'	fine sand with clay binder	
685'	approx. 715'	715'	coarse sand, water	
715'	approx. 739'	739'	fine sand with clay binder	
<p>DRILL CUTTING SAMPLES SENT TO DIVISION OF MINERAL RESOURCES.</p>				

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

INTERVAL SHEET

Page 1 of 1 Well Repository No.: C-111  
 W-3671  
 Date rec'd: 9-25-72 Date Processed: 2-6-73 Sample Interval: from 0 to: 724  
 PROPERTY: Churchfield Subdivision Number of samples: 68  
 COMPANY: Douglas & Dickinson Total Depth: 739'  
 COUNTY: Lancaster (Christ Church) Oil or Gas: Water: X Exploratory:

From-To	From-To	From-To	From-To	From-To
0-10	319-329	639-649	-	-
10-21	329-340	649-660	-	-
21-31	340-350	660-670	-	-
31-42	350-361	670-681	-	-
42-52	361-371	681-691	-	-
52-64	371-383	691-703	-	-
64-74	383-393	703-713	-	-
74-85	393-404	713-724	-	-
85-95	404-414	-	-	-
95-106	414-425	-	-	-
106-116	425-435	-	-	-
116-127	435-447	-	-	-
127-137	447-457	-	-	-
137-148	457-468	-	-	-
148-158	468-478	-	-	-
158-169	478-489	-	-	-
169-179	489-499	-	-	-
179-191	499-511	-	-	-
191-201	511-521	-	-	-
201-212	521-532	-	-	-
212-222	532-542	-	-	-
222-233	542-553	-	-	-
233-243	553-563	-	-	-
243-255	563-575	-	-	-
255-265	575-585	-	-	-
265-276	585-596	-	-	-
276-286	596-606	-	-	-
286-297	606-617	-	-	-
297-307	617-627	-	-	-
307-319	627-639	-	-	-

All intervals have both washed and unwashed samples.

OWNER: Churchfield Sub.  
DRILLER: Douglas & Dickinson  
COUNTY: Lancaster (Christ Church)

W # 3671  
C # 111  
TOTAL DEPTH - 739'  
QUAD - Irvington  
ELEV - 74'

DEPTH  
(FEET)

WELL LOG

0-95	Sand	- dark yellowish orange (10YR 6/6); moderate clay; fine to pebble, subangular and rounded, poor to moderate sorting; 1% glauconite at 42-52'; smoky quartz at 64-74'.
95-106	Clay	- pale yellowish brown (10YR 6/2); abundant sand; fine to medium, subangular, moderate sorting; mica.
106-137	Sand, Shelly	- light and dark brown; 50% shell - <u>Phacoides</u> , oyster, <u>Chesapecten</u> ; abundant clay; fine to very coarse, subangular, poor sorting; mica.
137-148	Sand	- light olive gray (5Y 6/1); abundant clay; fine to medium, subangular, moderately well sorted; 40% shell fragments.
148-158	Sand	- moderate yellowish brown (10YR 5/4); moderate clay; fine to medium, subangular, moderately well sorted; 1% glauconite and phosphate fragments; 10% shell fragments.
158-255	Sand	- light olive gray (5Y 6/1); moderate clay; very fine to coarse, subangular, moderately sorted; few to 10% shell fragments.
255-286	Sand	- yellowish gray (5Y 8/1); abundant clay; very fine to coarse, subangular, moderately sorted.
286-371	Clay	- yellowish gray (5Y 8/1); abundant sand; very fine to coarse, subangular, well sorted; sparse diatoms; forams - <u>Siphogenerina</u> .
371-425	Sand	- light olive gray (5Y 6/1); moderate clay; very fine to very coarse, subangular, poor to well sorted; 1-10% shell fragments.
425-436	Sand	- light olive gray (5Y 6/1); moderate clay; fine to coarse, subangular, moderate sorting; few shell fragments.
436-447	Sand	- pale yellowish brown (10YR 6/2); moderate clay; fine to coarse, subangular, moderate sorting.

DEPTH (FEET)		WELL LOG
447-457	Sand	- light olive gray (5Y 6/1); abundant clay; fine to coarse, subangular, moderately sorted; 20% glauconite; forams - <u>Siphogenerina</u> , <u>Robulus</u> .
457-467	Sand	- pale yellow brown (10YR 6/2); abundant clay; fine to coarse, subangular, moderate sorting; few glauconite and shell fragments.
467-511	Sand, Glauconite	- light olive gray (5Y 6/1); 50% glauconite; abundant clay; calcium carbonate powder; fine to very coarse, subangular, poor to moderate sorting; few shell fragments; forams; ostracod.
511-606	Sand, Glauconitic	- light olive gray (5Y 6/1); 70% glauconite; calcium carbonate; fine to very coarse, subangular, moderately sorted; few shell fragments; forams; sparse to moderate clay; mica at 553-606'.
606-617	Sand, Glauconitic	- grayish olive (10Y 4/2); 80% glauconite; sparse clay; fine to very coarse, subangular, moderately sorted; few shell fragments.
617-649	Sand, Glauconitic	- light olive gray (5Y 6/1); 60% glauconite; abundant clay; fine to very coarse, subangular, poor sorting; few shell fragments at 617-627'.
649-724	Sand	- light olive gray (5Y 6/1); sparse to moderate clay; very fine to very coarse, subangular, moderately sorted; 5-40% glauconite; feldspar; mica.
724-739	No sample	

Logged by:  
J. K. Polzin  
Jan. 23, 1981