

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-5717  
C-499

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: Delco Moraine #3 Mailing Address: 3401 Tidewater Trail, Frdrksbg, VA

TENANT: \_\_\_\_\_ Mailing Address: \_\_\_\_\_

DRILLER: Sydnor Hydrodynamics, Inc. Mailing Address: P.O. Box 27186, Richmond VA 23261

WELL LOCATION: County Spotsylvania Approx. 4,000 feet SW (direction) of  
Rt. 608 and 200 (direction) of Rt. 2 and 17

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

DATE STARTED: 1-2-79 DATE COMPLETED: \_\_\_\_\_

TYPE OF DRILL RIG USED: \_\_\_\_\_ TOTAL DEPTH 305 feet

WATER LEVEL: Stands \_\_\_\_\_ feet below surface OR

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

YIELD TEST: Method \_\_\_\_\_

Drawdown \_\_\_\_\_ feet

Rate 100 gal. per min.

Duration 24 hrs., \_\_\_\_\_ min.

WATER ZONES: from 222 to 237 feet

from 242 to 277 feet

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

Odor \_\_\_\_\_ Temp. \_\_\_\_\_ °F

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

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

Industry XX Other \_\_\_\_\_

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

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: \_\_\_\_\_

HOLE SIZE: 17 inches from 0 to 80 feet

12 inches from 80 to 292 feet

9-7/8 inches from 292 to 305 feet

SCREEN SIZE: 6 inches from 222 to 237 feet

6 inches from 242 to 277 feet

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

CASE SIZE: 12 inches from +1 to 80 feet

6 inches from +2 to 222 feet

6 inches from 237 to 242 feet

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

Material cement Depth 80 feet

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

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

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

(LOG OF WELL) OVER

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	5	Red Sandy Clay	0-10	Red pebbly sand
5	35	Coarse Sand & Gravel	10-20	Red sandy gravel
35	39	Large Gravel	20-30	Red argillaceous sandy gravel
39	41	Gray Clay		
41	46	Sand & Gravel	30-40	Red arenaceous clay & qtz. gravel
46	50	Tough Clay		
50	80	Tough Brown Clay	40-50	Red arenaceous clay & qtz. gravel
80	135	Gray and Green Sandy Clay	50-60	Brown arenaceous clay
135	276	Light Gray & White Clay with Streaks of Hard Sand	60-70	" " "
276	305	Tough Gray Clay	70-80	Red-brown clay w/quartz pebbles
			80-90	Red-brown clay w/quartz pebbles
			90-100	Tan silty clay w/white ppt (non-calcareous)
			100-120	Tan arenaceous clay w/white ppt (non-calcareous)
			120-140	Tan arenaceous clay
			140-170	Tan arenaceous clay w/white ppt.
			170-180	Tan & gray arenaceous clay
			180-190	Tan & gray silty clay
			190-200	Tan & white/gray silty clay
			200-220	Tan & white/gray arenaceous clay
			220-230	Gray fine grained sand (sand is magnetitic)
			230-280	Gray fine-medium grained sand (sand is magnetitic)
			280-290	Gray/brown arenaceous clay
			290-300	Tan arenaceous clay

(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-499  
 W-5717

Date rec'd: 7-23-79 Date Processed: 2-6-79

Sample Interval: from 0 to: 300

PROPERTY: Delco Moraine (P-1) #3

Number of samples: 30

COMPANY: Sydnor

Total Depth: 305

COUNTY: Spotsylvania (Fredericksburg)

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	-	-	-	-
90-100	-	-	-	-
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	-	-	-	-
250-260	-	-	-	-
260-270	-	-	-	-
270-280	-	-	-	-
280-290	-	-	-	-
290-300	-	-	-	-

Unwashed only

Owner: Delco Moraine (P-1) #3  
Driller: Sydnor  
County: Spotsylvania (Carter's Store)

W# 5717  
C# 499  
Total Depth: 300'  
Quad:  
Elev:

Depth  
(feet)

WELL LOG

0-40 Gravel - moderate brown (5YR 4/4); fine to pebble, subrounded with some angular, poor sorting; 30-40 - moderate sorting with some large pebbles; iron stained at all levels.

40-50 Gravel - moderate brown (5YR 4/4); fine to granule, subrounded with angular, poor sorting; some nodules of iron oxide; iron staining on gravel; angular fragments of quartz (different from gravel).

50-80 Clay - moderate yellow brown (10YR 5/4); moderate gravel; fine to pebble, subrounded, poor sorting; 70-80 - sparse sand, few pebbles.

80-90 Clay - moderate brown (5YR 4/4); sparse sand, fine to coarse, few pebbles, subangular, poor sorting.

90-120 Clay - pale yellow-brown (10YR 6/2); abundant sand; medium to very coarse, subangular, moderate sorting; 110-120 - clasts of clay are white and tan.

120-140 Sand - pale yellow brown (10YR 6/2); moderate clay in clasts; medium to very coarse, subangular, moderate sorting; 120-130 - sandstone? clasts; 130-140 - well sorted.

140-150 Sand - pale yellow brown (10YR 6/2); sparse clay; medium to very coarse, some pebbles, subangular to subrounded, poor sorting; moderate amount sandstone clasts.

150-160 Sand - pale yellow brown (10YR 6/2); very sparse clay; medium to very coarse with some granules, subangular, moderate sorting.

160-170 Sand - pale yellow brown (10YR 6/2); sparse clay; very fine to very coarse, subangular, poor sorting.

170-180 Sand - pale yellow brown - (10YR 6/2); abundant clay; very fine to very coarse, subangular, moderate sorting.

180-210 Sand - yellowish gray (5Y 7/2); moderate clay in sandstone clasts; very fine to very coarse, subangular, moderate sorting; 190-200 - sparse clay in clasts; 200-210 - some feldspar.

210-220 Sand - very pale yellowish brown (10YR 8/2); abundant clay; very fine to very coarse, subangular, moderate sorting.

Depth  
(feet)

220-230 Sand - light olive gray (5Y 6/1); coarse grained, subangular, well sorted; some feldspar; some iron oxide fragments.

230-240 Sand - light olive gray (5Y 6/1); medium to granule, subangular, poorly sorted; some feldspar; rose quartz.

240-250 Sand - light olive gray (5Y 6/1); medium to very coarse, subangular, moderate sorting; some feldspar; rose quartz.

250-280 Sand - light olive gray (5Y 6/1); medium to very coarse with some granules, subangular, moderate sorting; some feldspar; rose quartz; pyrite; garnet chips.

280-290 Clay - light yellow brown (10YR 6/4); moderate sand; medium to very coarse, subangular, poorly sorted.

290-300 Clay - pale yellow brown (10YR 6/2); very sparse sand; fine to granular, subangular, poor sorting.

Logged by: J. K. Polzin  
July 21, 1980