

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-5719
C-497
C-497

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 #1 Mailing Address: 3401 Tidewater Trail, Frdksbrg, 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 NW (direction) of
Rt. 608 and 1,950 feet SW (direction) of Rt. 2 & 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: 2-16-79 DATE COMPLETED: _____

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 300 feet

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

YIELD TEST: Method _____
Drawdown _____ feet
Rate 40 gal. per min.
Duration _____ hrs., _____ min.

HOLE SIZE: 8 inches from 0 to 300 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WATER ZONES: from 208 to 218 feet
from 228 to 238 feet
from 252 to 262 feet

SCREEN SIZE: 4 inches from 208 to 218 feet
4 inches from 228 to 238 feet
4 inches from 252 to 262 feet
CASE SIZE: 4 inches from +2 to 208 feet
4 inches from 218 to 228 feet
4 inches from 238 to 252 feet
262 267

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

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

GROUTING: Method _____
Material cement Depth 80 feet

WATER ANALYSIS AVAILABLE: Yes _____ No _____

PUMP: Type _____
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: _____

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	White clay (arenaceous)	10-90	sand-to-fine gravel
10	15	Sand clay		graded deposit
15	35	Gray sand-some gravel	90-130	argillaceous sand
35	40	Gray sand	130-200	graded sand-to-fine gravel
40	53	Brown clay and gravel mixed		
53	95	Brown and green clay	200-210	argillaceous sand
95	135	Green clay	210-240	sand
135	140	Brown and green clay	240-250	argillaceous sand
140	155	Sand and clay streaks	250-270	sand
155	170	Gray sand	270-300	argillaceous sand
170	178	Sand and clay mixed		
178	200	Brown and green clay		
200	210	Green clay		
210	260	Gray sand		
260	275	Gray sand and hard streaks		
275	295	Gray clay		
295	300	Hard sand or rock		

(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-497
 W-5719

Date rec'd: 7-23-79 Date Processed: 2-6-80

Sample Interval: from 0 to: 300

PROPERTY: Delco Moraine #1

Number of samples: 30

COMPANY: Sydnor

Total Depth: 300

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 #1
Driller: Sydnor
County: Spotsylvania (Carter's Store)

W# 5719
C# 497
Total Depth: 300'
Quad: Fredericksburg
Elev: 75'

Depth
(feet)

WELL LOG

0-20 Sand/Arkose - light olive gray (5Y 7/1); abundant clay; fine to granule, angular and subangular, poorly sorted; plant debris; 10-20 - moderate clay.

20-30 Sand - "salt and pepper" - coarse to very coarse, subangular, moderate sorting; 15% rose quartz.

30-40 Sand - "salt and pepper" - coarse to granule, subangular, moderate sorting; sparse clay in clasts; rose quartz; epidote (?); pyrite.

40-50 Sand - moderate brown (5YR 4/4); coarse to granule, mostly granule, subangular to subrounded; well sorted.

50-60 Clay - moderate brown (5YR 4/4); abundant sand, coarse to granule, mostly granule, subangular to subrounded, well sorted.

60-70 Clay - moderate brown (5YR 4/4); sparse sand, medium to very coarse, subangular, well sorted.

70-80 Clay - dark yellowish brown (10YR 5/4); sparse sand, fine to very coarse, subangular, well sorted.

80-90 Clay - pale yellowish brown (5YR 6/2); moderate sand, fine to very coarse, subangular, well sorted.

90-100 Clay - pale yellowish brown (5YR 6/2); abundant sand; fine to very coarse, subangular, poor sorting.

100-110 Sand - pale yellowish brown (5YR 6/2); fine to very coarse, subangular, poor sorting; some feldspar.

110-120 Clay (Arkose?) - pale yellowish brown (5YR 7/2); abundant sand, very fine to granular, angular and subangular, poor sorting; some feldspar; clay is in small clasts; small saprolitic granite clasts; saprolitic feldspar.

120-140 Clay, Sandy - pale yellowish brown (5YR 6/2); abundant sand, very fine to granule, angular and subangular, poor sorting; some feldspar; clay in small clasts; small saprolitic granitic clasts; saprolitic feldspar.

Depth
(feet)

- 140-150 Sand - pale yellowish brown (5YR 7/2); sparse clay in clasts; very fine to granule, angular and subangular, poor sorting.
- 150-180 Sand - pale yellowish brown (5YR 7/2); sparse clay in clasts; very fine to very coarse, angular and subangular, poor sorting; 170-180 - moderate sorting.
- 180-200 Sand, Clayey - pale yellowish brown (5YR 6/2); abundant clay; fine to granule, subangular and angular, poor sorting. (Clay in clasts).
- 200-210 Sand - pale yellowish brown (5YR 7/2); very fine to very coarse, angular and subangular, moderate sorting.
- 210-240 Sand - light olive gray (5Y 6/1); medium to very coarse, subangular, moderate sorting; some feldspar; some small clay clasts; rose quartz; 230-240 - coarse to very coarse.
- 240-250 Sand - light olive gray (5Y 7/1); abundant clay; very fine to granule, angular to subangular, poor sorting.
- 250-260 Sand - light olive gray (5Y 7/1); moderate clay in clasts; very fine to very coarse, subangular, poor sorting.
- 260-270 Sand - light olive gray (5Y 7/1); sparse clay; fine to granule, subangular, poor sorting; saprolitic clasts - undetermined rock.
- 270-280 Sand - light olive gray (5Y 7/1); sparse clay; fine to very coarse, subangular, moderate sorting.
- 280-300 Arkose (?), Sand - light olive gray (5Y 6/1); abundant clay; very fine to very coarse, subangular, moderate sorting; some biotite mica; saprolitic rock; 290-300 - feldspar, quartz in fragments.

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