

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

Box 3667
Charlottesville, VA 22903

JAMES L. CALVER, COMMISSIONER

McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: Delco Moraine #2 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. 4000 ^{feet}/_{yards} NW (direction) of
Rt. 608 and 750 ^{feet}/_{yards} 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: 2-5-79 DATE COMPLETED: 2-26-79

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 290 feet

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

YIELD TEST: Method air lift
Drawdown feet
Rate 100 gal. per min.
Duration 2 hrs., min.

HOLE SIZE: 8 inches from 0 to 290 feet
 inches from to feet
 inches from to feet

WATER ZONES: from 224 to 249 feet
from 270 to 275 feet
from to feet

SCREEN SIZE: 4 inches from 224 to 249 feet
4 inches from 270 to 275 feet
 inches from to feet

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

CASE SIZE: 4 inches from +2 to 224 feet
4 inches from 249 to 270 feet
4 inches from 275 to 280 feet

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	6	Red sandy clay	0-10 Red sandy clay overburden
6	21	Gravel	10-20 Orange coarse sand
21	26	Light gray clay	20-30 Orange limonitic qtz.
26	31	Gravel	pebbly clay
31	33	Brown sandy clay	30-40 Orange saprolitic arena-
33	44	Gravel	ceous argillaceous qtz.
44	59	Blue clay	gravel
59	61	Brown clay	40-50 Brown-gray, arenaceous clay
61	86	Blue clay	50-60 Red & green clay
86	127	Blue sandy clay	60-70 Green silty clay
127	130	Brown and blue sandy clay	70-110 Light blue-tan arenaceous
130	150	Blue sandy clay	clay
150	183	Blue sandy clay with hard brown streaks	110-120 Brown-blue arenaceous clay
183	188	Hard blue and brown clay	120-130 Red arenaceous clay
188	222	Blue sandy clay	130-140 Blue " clay
222	231	Blue and white sandy clay	140-150 Red & blue arenaceous clay
231	272	Gray and white sand with some fine chalky clay	150-170 Red clay
272	275	Gravel and sand	170-190 Brown, red, green arenaceous pebbly clay
275	279	Fine gray sand	190-210 Brown, blue arenaceous clay
279	290	Light blue sandy clay	210-230 Brown, blue, white arenaceous clay
			230-280 White, gray argillaceous coarse sand
			280-290 Green, brown 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-498
 W-5718

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

Sample Interval: from 0 to: 290

PROPERTY: Delco Moraine (0-1) #2

Number of samples: 29

COMPANY: Sydnor

Total Depth: 290

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	-	-	-	-
-	-	-	-	-

Unwashed only.

Owner: Delco Moraine #2
Driller: Sydnor
County: Spotsylvania

W# 5718
C# 498
Total Depth: 290'
Quad:
Elev:

Depth
(feet)

WELL LOG

0-10 Gravel - dark yellowish orange (10YR 6/6) and moderate yellow brown (10YR 5/4); medium to pebble, subround, moderate sorting; iron stained.

10-20 Gravel - mixed colors; fine to granular, angular and sub-round, poor sorting; rare rose quartz and granite fragment.

20-30 Gravel - mixed colors; fine to pebble, angular and subround, poor sorting; rare citron; few sand clasts; iron stained.

30-40 Gravel - mixed colors; abundant feldspar grains (same data as sand); sand - very fine to pebble, subangular and round, poor sorting; quartz (mostly smaller grains with 10% large pebbles); citron.

40-50 Gravel, Clayey - yellow-brown (10YR 5/2); abundant clay; very fine to granular, subangular to subrounded, poorly sorted, quartz sand.

50-60 Clay - moderate brown (5YR 4/4); medium, subround, poor sorted, very sparse sand; clasts of dense, hard, oily, green clay in addition to sample clay.

60-70 Clay - dusky yellow (5Y 6/4); sparse sand, medium grained, some very fine, subround, well sorted, quartz; clasts of moderate brown clay.

70-80 Gravel - dusky yellow (5Y 6/4); abundant clay; 5% large pebbles; very fine to pebble, subround, poor sorting, quartz sand in moderate amount.

80-120 Sand - yellow gray (5Y 7/2); moderate clay; fine to coarse, subangular, poor sorting; 110-120 - fine to very coarse.

120-130 Clay - brown (5Y 5/4); abundant sand, very fine to very coarse, subangular, poor sorting; garnet chips.

130-140 Clay - yellowish gray (5Y 8/1); moderate sand, very fine to very coarse, subangular, poor sorting.

140-150 Clay - brown (5Y 5/4); abundant sand; very fine to very coarse, subangular, poor sorting.

Depth
(feet)

- 150-160 Clay - light brown (5Y 6/4); moderate sand, very fine to very coarse, subangular, poor sorting.
- 160-180 Clay - pale yellowish brown (10YR 6/2); sparse sand, medium grained, subangular, well sorted (clay clasts are variegated in color).
- 180-210 Sand - pale yellowish brown (10YR 6/2); abundant clay; sand, medium grained, subangular, well sorted; 200-210 - fine to coarse grained.
- 210-220 Sand - pale yellowish brown (10YR 7/2); abundant clay; fine to very coarse, some granules, subangular, poor sorting; moderate feldspar.
- 220-240 Sand - pale yellowish brown (10YR 7/2); abundant clay; fine to very coarse, some granules, subangular, poor sorting; moderate feldspar.
- 240-250 Sand - pale yellowish brown (10YR 7/2); moderate clay; fine to very coarse, subangular, poor sorting; feldspar.
- 250-270 Sand - pale yellowish brown (10YR 7/2); moderate clay; fine to very coarse, with some granules, subangular, poor sorting; feldspar; 260-270 - some of the granules are angular; phosphate nodules.
- 270-290 Sand - pale yellow brown (10YR 7/2); moderate clay; fine to granule, subangular, poor sorting; feldspar; 280-290 - clay in sand clasts; some green gray clay clasts.

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