

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-4400  
C-480

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: Greenfield Village #6, Sydnor Hydrodynamics Mailing Address: 2111 Magnolia St., Richmond VA 23223

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

DRILLER: Sydnor Hydrodynamics, Inc. Mailing Address: 2111 Magnolia St., Richmond VA 23223

WELL LOCATION: County Spotsylvania Approx. 1,200 feet ~~miles~~ East (direction) of  
Bus. Rt. 17 and 50 feet ~~miles~~ So. (direction) of Hamilton St. (1321)

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

DATE STARTED: 5/21/75 DATE COMPLETED: 6/17/75

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 164' feet

WATER LEVEL: Stands 34'2" feet below surface OR  
has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method Pump  
Drawdown 83' 6" feet  
Rate 25 gal. per min.  
Duration 48 hrs., \_\_\_\_\_ min.

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

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

DRILL CUTTINGS SAVED: 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: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

HOLE SIZE: 12 1/2 inches from 0 to 164 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

SCREEN SIZE: 6 inches from 51 to 61 feet

6 inches from 124 to 134 feet

6 inches from 140 to 160 feet

CASE SIZE: 6 inches from +2 to 51 feet

6 inches from 134 to 140 feet

6 inches from 160 to 162 feet

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

Material \_\_\_\_\_ Depth 50 feet

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

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

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

# 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 Silty Clay	
5	16	Brown Coarse Sand	
16	19	Hard Gravel	
19	21	Sand Clay	
21	35	Brown Sand and Gravel	
35	53	Gray and Blue Sand Clay	
53	68	Hard Brown and Gray Clay	
68	85	Hard Gray clay with traces of Sand	
85	93	Hard gray Clay	
93	95	Sand Streaks	
95	130	Sticky hard gray clay	
130	133	Coarse gray sand	
133	140	Sand Clay	
140	154	Gray Clay	
154	160	Sandstone	
160	164	Gray Clay	

(Use additional forms if necessary)

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

INTERVAL SHEET

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C-480

Well Repository No.: W-4400

Date rec'd: 7/1/75 Date Processed: 7/9/76

Sample Interval: from 0 to: 160

PROPERTY: Sydnor Hydrodynamics  
(Greenfield Village #6)

Number of samples: 16

COMPANY: Sydnor Hydrodynamics

Total Depth: 164'

COUNTY: Spotsylvania (New Post)

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	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

Washed and unwashed.

Owner: Greenfield Village #6 W# 4400  
Driller: Sydnor C# 480  
County: Spotsylvania Total Depth: 160'  
Quad:  
Elev:

Depth . WELL LOG  
(feet)

0-30 Sand - moderate brown (5YR 4/6); medium to granule grained, subangular, poor sorting; some magnetite.

30-40 Sand - dark yellowish-orange (10YR 4/6); medium to granule, subangular, poor sorting; biotite mica; magnetite and other "iron oxides;" rose quartz.

40-50 Gravel - pale yellowish brown (10YR 7/2); very coarse and small pebbles, subangular, poor sorting.

50-70 Clay, Sandy - moderate yellowish brown (10YR 5/4); abundant clay in clasts; abundant sand, fine to granule, subangular, poor sorting; 60-70 - some pebbles.

70-90 Gravel, Clayey - moderate yellowish brown (10YR 5/4); at 80-90 - (10YR 4/4); abundant clay; fine to small pebbles; subangular and some that are rounded; poor sorting.

90-110 Clay, Gravelly - pale yellowish brown (10YR 6/2); abundant gravel, fine to small pebbles, subangular and some rounded, poor sorting.

110-120 Clay - moderate orange gray (5Y 5/1); abundant sand, fine to granular, subangular, poor sorting.

120-130 Clay - moderate orange gray (5Y 5/ ); abundant sand, fine to very coarse, some granules; subangular, poor sorting; some small clasts of dark gray clay; lignite (rare).

130-140 Sand - yellowish gray (5Y 7/1); sparse clay, fine to granule, subangular, poor sorting.

140-150 Sand - pale yellowish brown (10YR 7/2); moderate clay in large clasts; fine to granule, subangular, poor sorting.

150-160 Sand - yellow gray (5Y 7/2); sparse clay; very fine to coarse, subangular, poor sorting.

Logged by: J. K. Polzin  
July 18, 1980