

W#: 2757
C#: 135

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

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: Leadbetter Construction Co. #2 Mailing Address: Ashland, VA

TENANT: _____ Mailing Address: _____

DRILLER: Sydnor Hydrodynamics, Inc. Mailing Address: P.O. Box 1476-Richmond, VA 23212

WELL LOCATION: County Hanover Approx. 1000 ^{feet}~~miles~~ east (direction) of _____

Interstate 95 and .9 ^{miles}~~miles~~ south (direction) of Lewistown Rd.

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

DATE STARTED: 1/13/70 DATE COMPLETED: 2/24/70

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 250 feet

WATER LEVEL: Stands _____ feet below surface OR
has NATURAL flow of 25 gallons per minute before casing

YIELD TEST: Method Air Lift
Drawdown _____ feet
Rate 5 gal. per min.
Duration _____ hrs., _____ min.

HOLE SIZE: 9-7/8 inches from 0 to 106 feet
9-7/8 inches from 106 to 127 feet
6 inches from 127 to 250 feet

WATER ZONES: from 185 to 186 feet
from 216 to 217 feet
from _____ to _____ feet

SCREEN SIZE: _____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

CASE SIZE: 8 inches from 0 to 46 feet
Pulled 6 inches from 0 to 127 feet
_____ inches from _____ to _____ feet

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

GROUTING: Method None
Material _____ Depth _____ feet

WATER ANALYSIS AVAILABLE: Yes _____ No XX

PUMP: Type None
Capacity _____ gal per min
Depth of intake _____ feet

DRILL CUTTINGS SAVED: 26 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: Well abandoned - Pipe removed - Back filled

LOG

FURNISHED BY: Sydnor Hydrodynamics, Inc. DATE: 3/2/70

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	16	Brown--white clay	
16	27	Brown sand, clay and gravel	
27	34	Brown sand and large gravel (flowing 25 gpm)	
34	66	Blue clay	
66	84	Hard blue shale	
84	98	Soft shale	
98	103	Soft rock	
103	175	Soft dark gray granite	
175	185	Dark gray granite	
185	186	Soft rock (2 gpm)	
186	216	Hard granite	
216	217	Soft rock (3 gpm)	
217	250	Hard light gray granite	

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

INTERVAL SHEET

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Well Repository No: W#: 2757
 C#: 135

Date rec'd: 3/16/70 Date Processed: 3/18/70 Sample Interval: from:- to:-
 0 250'

PROPERTY: Leadbetter Construction Co. #2 Number of samples: 26

COMPANY: Sydnor Hydrodynamics Total Depth: 250'

COUNTY: Hanover (French Hay) Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To
0-10	245-250	-	-
10-20	-	-	-
20-30	-	-	-
30-40	-	-	-
40-50	-	-	-
50-60	-	-	-
60-70	-	-	-
70-80	-	-	-
80-90	-	-	-
90-100	-	-	-
100-110	-	-	-
110-120	-	-	-
120-127	-	-	-
125-135	-	-	-
135-145	-	-	-
145-155	-	-	-
155-165	-	-	-
167-175	-	-	-
175-185	-	-	-
185-195	-	-	-
195-205	-	-	-
205-215	-	-	-
215-225	-	-	-
225-235	-	-	-
235-245	-	-	-

All intervals have both washed and unwashed samples.

OWNER: Leadbetter Construction Co. #2
DRILLER: Sydnor Hydrodynamics
COUNTY: Hanover
(French Hay)

W#: 2757
C#: 135
TOTAL DEPTH: 250'
QUAD.: Yellow Tavern

GEOLOGIC LOG

Depth
(feet)

- 0-10 Sand and clay — yellowish gray; moderate clay; abundant sand; fine to coarse grained, some granules; subangular to subrounded; moderately sorted; quartz; feldspar.
- 10-20 Sand — dusky yellow; moderate clay; medium grained to granular (30%), 5% pebbles; subangular to subrounded; poorly sorted; quartz; feldspar; few grains of glauconite; few opaques.
- 20-30 Gravel — dusky yellow; moderate sandy (medium to coarse grained) clay; some granules; subangular to subrounded; moderately well sorted; quartz; feldspar; few opaques.
- 30-40 Sand — olive light gray; moderate clay; fine grained, 7% granules; subangular; well sorted; quartz; feldspar (granules); few flakes of muscovite; few fragments of ferricrete.
- 40-50 As above plus few flakes of biotite; no muscovite.
- 50-60 Sand — olive light gray; abundant clay; fine to medium grained, some coarse grains (iron-stained), some granules (iron-stained), few pebbles; subangular to subrounded; moderately sorted; quartz; feldspar; few grains of biotite; muscovite.
- 60-70 As above plus 2% black phosphatic material; few grains of blue quartz; few granules; no pebbles.
- 70-80 As above except fine to coarse grained.
- 80-90 Granite (slightly weathered) — salt and pepper; quartz; white potassic feldspar; 35% biotite; few black phosphatic fragments. (note: Sample appears to have been contaminated with rounded quartz and feldspar grains and phosphatic material from above).
- 90-100 As above except 25% biotite; few flakes of muscovite.
- 100-110 As above except 40% biotite; few grains of pyrite.
- 110-120 As above except 35% biotite; no contamination.
- 120-127 As above except no pyrite.
- 127-135 Granite (weathered) — light olive gray; slightly clayey; 35% weathered biotite; quartz; feldspar; 15% muscovite.

Depth
(feet)

135-145 As above except 25% biotite; 7% muscovite.

145-155 As above except 20% biotite; 10% muscovite.

155-165 As above except 20% muscovite; 15% biotite.

165-175 As above.

175-185 Granite (slightly weathered) — light olive gray; quartz; white potassic feldspar; 15% muscovite; 10% biotite; few grains of pyrite.

185-195 As above except slightly clayey; 20% muscovite.

195-205 Granite — salt and pepper; quartz; white potassic feldspar; 25% biotite; 15% muscovite; pink microcline; few grains of pyrite.

205-215 As above except some muscovite.

215-225 Granite — salt and pepper; quartz; pink microcline; white potassic feldspar; 10% biotite; 7% muscovite; some garnet; few grains of pyrite.

225-235 Granite — salt and pepper; quartz; white potassic feldspar; 10% biotite; some muscovite; few grains of garnet; pyrite.

235-245 As above except 5% biotite; 5% muscovite.

245-250 As above except some garnet.

Logged By: Michael T. Currie
January 11, 1979