

COMMONWEALTH OF VIRGINIA

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W#: 2926

C#: 137

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 Company #4 Mailing Address: Ashland, VA

TENANT: _____ Mailing Address: _____

P.O. Box 1476

DRILLER: Sydnor Hydrodynamics, Inc. Mailing Address: Richmond, VA 23212

WELL LOCATION: County Hanover Approx. 1100 ^{feet}/_{miles} East (direction) of

U.S. I-95 and 3/4 ^{feet}/_{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: 3/2/70 DATE COMPLETED: 3/11/70

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 250 feet

WATER LEVEL: Stands _____ feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Air Lift

Drawdown _____ feet

Rate 2 gal. per min.

Duration _____ hrs., _____ min.

HOLE SIZE: 9-7/8 inches from 0 to 98 feet

6 inches from 98 to 250 feet

_____ inches from _____ to _____ feet

SCREEN SIZE: _____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

CASE SIZE: _____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

WATER ZONES: from 177 to 178 feet

from _____ to _____ feet

from _____ to _____ feet

WATER: Color _____ Taste _____

Odor _____ Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry _____ Other Trailer park

GROUTING: Method None

Material _____ Depth _____ feet

PUMP: Type None

Capacity _____ gal. per min

Depth of intake _____ feet

WATER ANALYSIS AVAILABLE: Yes _____ No XX

DRILL CUTTINGS SAVED: ²⁴ 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 -- all pipe removed; hole back-filled.

WB: 3828
 CR: 137

LOG

Sydnor Hydrodynamics, Inc

3/12/70

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	1	Top soil	
1	10	yellow clay	
10	20	yellow sandy clay	
20	56	Sand, gravel - some clay mix	
56	60	Sand - gravel mixed	
60	110	Soft rock	
110	175	Hard dark and light gray granite	
175	177	Gray granite	
177	178	Soft granite (2 gpm)	
178	250	Light and dark gray granite mixed	

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DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

Job Order #26846

W-2926

C-137



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Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS:
McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

W-2926

OWNER: Leadbetter Construction Company Mailing Address: Ashland, Virginia

TENANT: _____ Mailing Address: _____

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

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Route #95 and 3/4 ^{miles} South (direction) of Lewistown Road

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

DATE STARTED: 3/2/70 DATE COMPLETED: 3/11/70

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 250 feet

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

YIELD TEST: Method Air Lift
Drawdown _____ feet
Rate 2 gal. per min.
Duration _____ hrs., _____ min.

HOLE SIZE: 9-7/8 inches from 0 to 98 feet
6 inches from 98 to 250 feet
_____ inches from _____ to _____ feet

WATER ZONES: from 177 to 178 feet
from _____ to _____ 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: _____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

GROUTING: Method None
Material _____ Depth _____ feet

WATER ANALYSIS AVAILABLE: Yes _____ No X

PUMP: Type _____
Capacity _____ gal per min
Depth of intake _____ feet

DRILL CUTTINGS SAVED: Yes X 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: YELLOW TAVERN QUADRANGLE

Well abandoned - all pipe removed and back filled

CUSTOMER'S #4 Well

Yellow Tavern

ELEV. : 190'

Elev ~ 190' tops

(LOG OF WELL) OVER

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

INTERVAL SHEET

Page 1 of 1

Well Repository No: W#: 2926

Date rec'd: 4/20/70 Date Processed: 9/2/70

C#: 137
 Sample Interval: from: 0 to: 250'

PROPERTY: Leadbetter Const. Co., #4

Number of samples: 24

COMPANY: Sydnor Hydrodynamics, Inc.

Total Depth: 250'

COUNTY: Hanover
 (French Hay)

Oil or Gas: Water: Exploratory:

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	-	-	-
-	-	-	-
160 - 170	-	-	-
170 - 180	-	-	-
180 - 190	-	-	-
190 - 200	-	-	-
200 - 210	-	-	-
210 - 220	-	-	-
220 - 230	-	-	-
230 - 240	-	-	-
240 - 250	-	-	-

All intervals have both washed and unwashed samples.

OWNER: Leadbetter Const. Co #4
DRILLER: Sydnor Hydrodynamics
COUNTY: Hanover

W#: 2926
C#: 137
TOTAL DEPTH: 250'
QUAD: Yellow Tavern

GEOLOGIC LOG

Depth
(feet)

- 0 - 10 Sand and clay -- grayish orange; moderate clay; abundant sand; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; some feldspar.
- 10 - 20 Sand -- dark yellowish orange; moderate clay; medium to coarse grained, 3% granules, 3% pebbles; subangular to subrounded; moderately sorted; quartz; feldspar.
- 20 - 30 Gravel -- white; 4-10mm, avg. 5mm; abundant sand; medium grained to granular; subangular to subrounded; poorly sorted; quartz; feldspar; some opaques.
- 30 - 40 Sand -- dark yellowish orange; slightly clayey; coarse grained to granular, some medium grains; 10% pebbles; subangular to subrounded; poorly sorted; quartz; feldspar.
- 40 - 50 Gravel -- yellowish gray; 4-20mm, avg. 8mm; some medium to coarse grains; subrounded; moderately sorted; quartz; feldspar.
- 50 - 60 As above.
- 60 - 70 Granite -- medium light gray, black; quartz; white potassic feldspar; 15% biotite; some muscovite; few grains of garnet.
- 70 - 80 As above except no garnet.
- 80 - 90 As above plus few grains of pyrite.
- 90 - 100 As above except 20% biotite.
- 100 - 110 As above except no pyrite.
- 110 - 120 Granite -- medium light gray, black; quartz; white potassic feldspar; 12% biotite; some muscovite; few grains of plagioclase; garnet.
- 120 - 130 Granite -- medium light gray, black; quartz; white potassic feldspar; 15% biotite; some muscovite.
- 130 - 140 Granite (weathered) -- light olive gray; slightly clayey; quartz; white potassic feldspar; 5% biotite; 2% muscovite. (Note: Sample appears to be out of place).
- 140 - 150 Granite -- medium light gray, black; quartz; white potassic feldspar; 15% biotite; some muscovite; few grains of garnet; pyrite.

Depth
(feet)

150 - 160 No sample.

160 - 170 Granite -- medium light gray, black; quartz; white potassic feldspar; 10% biotite; some muscovite.

170 - 180 As above except 15% biotite; few grains of pyrite.

180 - 190 Granite (slightly weathered) -- salt and pepper; quartz; white potassic feldspar; 10% biotite; some plagioclase; muscovite.

190 - 200 As above plus few grains of garnet.

200 - 210 Granite (slightly weathered) -- light olive gray; quartz; white potassic feldspar; 10% biotite; some muscovite; few grains of pyrite.

210 - 220 As above plus sharks's tooth (contamination).

220 - 230 Granite (slightly weathered) -- salt and pepper; quartz; white potassic feldspar; 10% biotite; some muscovite; few grains of garnet.

230 - 240 Granite (weathered) -- light olive gray; moderate clay; quartz; white potassic feldspar; 15% biotite; some muscovite.

240 - 250 As above.

Logged by: Michael T. Currie
Jan. 16, 1979

OWNER: Leadbetter Const. Co. #4

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W#: 2926

GEOLOGIC SUMMARY

<u>Depth</u> <u>(feet)</u>	<u>Thickness</u> <u>(feet)</u>	<u>Rock Unit</u>	<u>Time Rock Unit</u>
0 - 60	60	Columbia Group	Pleistocene
60 - 250	190	Petersburg Granite	Paleozoic (?)

VIRGINIA DIVISION OF MINERAL RESOURCES
David A. Hubbard, Jr., Geologist
February 1, 1979