

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W#: 2756
C#: 136

MAILING ADDRESS:

B 3667
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS:

McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: Leadbetter Construction Company #3 Mailing Address: Ashland, Virginia

TENANT: _____ Mailing Address: _____

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

WELL LOCATION: County Hanover Approx. 900 ^{feet} ~~xxx~~ east (direction) of
Interstate 95 and .9 ^{xxx} 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: 2/24/70 DATE COMPLETED: 2/27/70

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 116 feet
6 inches from 116 to 250 feet
_____ inches from _____ to _____ feet

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

WATER ZONES: from 208 to 209 feet
from _____ to _____ feet
from _____ to _____ feet

CASE SIZE: 6 inches from 0 to 116 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

GROUTING: Method None
Material _____ Depth _____ feet

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

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

WATER ANALYSIS AVAILABLE: Yes _____ No X

DRILL CUTTINGS SAVED: 26 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: 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	15	Yellow clay	
15	20	Gray sandy clay	
20	69	Blue-gray sandy clay - some shells mixed	
69	116	Rock	
116	208	Light gray and dark gray rock mixed	
208	209	Soft rock, water (1 to 2 gpm)	
209	230	Coarse gray granite	
230	250	Hard light gray granite	

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 Box 3667, Charlottesville, VA 22903

INTERVAL SHEET

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Well Repository No: W#: 2756
 C#: 136

Date rec'd: 3/16/70 Date Processed: 3/18/79

Sample Interval: from:-to:-
 0 250

PROPERTY: Leadbetter Const. Co. #3

Number of samples: 25

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	-	-	-
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	-	-	-

All intervals have both washed and unwashed samples.

OWNER: Leadbetter Const. Co. #3
DRILLER: Sydnor Hydrodynamics
COUNTY: Hanover
(French Hay)

W#: 2756
C#: 136
TOTAL DEPTH: 250'
QUAD.: Yellow Tavern

GEOLOGIC LOG

Depth
(feet)

0-10 Clay and sand — yellowish gray; abundant clay; moderate sand; fine to medium grained, some coarse grains; subangular to subrounded; moderately well sorted; quartz; some feldspar; few flakes of biotite.

10-20 Sand — light olive gray; moderate clay; medium to coarse grained, some granules, some pebbles; subangular to subrounded; moderately sorted; quartz; feldspar; few grains of glauconite.

20-30 Granite (weathered) — light gray; slightly clayey; quartz; white potassic feldspar; 30% muscovite; 20% biotite.

30-40 As above except 35% muscovite

40-50 As above except 25% muscovite.

50-60 As above.

60-70 As above except 30% biotite; 20% muscovite.

70-80 As above.

80-90 As above except 25% biotite; 15% muscovite.

90-100 As above except moderate clay.

100-110 Granite (weathered) — light gray; slightly clayey; quartz; white potassic feldspar; 20% biotite; 20% muscovite.

110-120 As above except 30% muscovite; 15% biotite.

120-130 As above except 20% muscovite; 10% biotite.

130-140 Grainite (slightly weathered) — light gray; slightly clayey; quartz; white potassic feldspar; 35% muscovite; 10% biotite; few grains of pyrite.

140-150 Granite (weathered) — salt and pepper; quartz; pink microcline; white potassic feldspar; 15% biotite; some muscovite; few grains of pyrite.

150-160 As above except 20% biotite.

160-170 As above except 35% biotite; 10% muscovite.

170-180 Granite (slightly weathered) — off white; quartz; white potassic feldspar; 5% muscovite; 2% biotite.

Depth
(feet)

180-190 Granite (slightly weathered) — salt and pepper; quartz; white potassic feldspar; 25% biotite; some muscovite.

190-200 Granite (weathered) — medium light gray; moderate clay; quartz; white potassic feldspar; 20% biotite; some muscovite.

200-210 As above.

210-220 As above except 25% biotite; 7% muscovite.

220-230 Granite — white, medium light gray; quartz; white potassic feldspar; 15% biotite; 2% muscovite; few grains of pyrite.

230-240 As above except 10% biotite; few grains of garnet.

240-250 As above except 5% muscovite; 3% biotite.

Logged by: Michael T. Currie
January 12, 1979

GEOLOGIC SUMMARY

<u>Depth</u> <u>(feet)</u>	<u>Thickness</u> <u>(feet)</u>	<u>Rock Unit</u>	<u>Time Rock Unit</u>
0-20	20	Columbia Group	Pleistocene
20-250	230	Petersburg Granite	Paleozoic (?)

VIRGINIA DIVISION OF MINERAL RESOURCES
David A. Hubbard, Jr., Geologist
January 16, 1979