

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: Lake Land' Or #1 Mailing Address: Ladysmith, VA

TENANT: W. J. Benner Mailing Address: _____

DRILLER: Harvey J. Harper Mailing Address: 3003 Kenwood Ave., Richmond, VA

WELL LOCATION: County Caroline Approx. 1½ ~~xxxx~~ miles U.S. Rt. #1 (direction) of
near Ladysmith and _____ feet miles _____ (direction) of _____

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

DATE STARTED: 9/15/71 DATE COMPLETED: 9/22/71

TYPE OF DRILL RIG USED: air rotary TOTAL DEPTH 292 feet

WATER LEVEL: Stands 12 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method air

Drawdown 250 feet

Rate 36 gal. per min.

Duration 4 hrs., 0 min.

HOLE SIZE: 12 inches from 0 to 74 feet

6 inches from 74 to 292 feet

_____ inches from _____ to _____ feet

SCREEN SIZE: None inches from _____ to _____ feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

CASE SIZE: 6 ID inches from 0 to 74½ feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

WATER ZONES: from _____ to _____ feet

from _____ to _____ feet

from _____ to _____ feet

WATER: Color clear Taste good

Odor none Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry _____ Other Lake Homes

GROUTING: Method Pumping

Material cement Depth 74 feet

PUMP: Type 3 hp. Submersible

Capacity 33 gal per min

Depth of intake 266 feet

WATER ANALYSIS AVAILABLE: Yes _____ No XX

DRILL CUTTINGS SAVED: (29) 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: _____

LOG

FURNISHED BY: Harper Pump & Well Co.

DATE: Sept. 22, 1971

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	18	Red Clay	
18	65	Brown Sand	
65	75	Brown Rock	
75	235	Gray Rock	
235	292	Pink Rock	

(Use additional forms if necessary)

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

INTERVAL SHEET

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C-97
 Well Repository No.: W-3268

Date rec'd: 10-4-71 Date Processed: 10-7-71

Sample Interval: from 0 to: 280

PROPERTY: Lake Land'or #1 (Benner)

Number of samples: 28

COMPANY: Harvey J. Harper

Total Depth: 292'

COUNTY: Caroline (Ladysmith)

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	-	-	-	-
-90	-	-	-	-
-100	-	-	-	-
-110	-	-	-	-
-120	-	-	-	-
-130	-	-	-	-
-140	-	-	-	-
-150	-	-	-	-
-160	-	-	-	-
-170	-	-	-	-
-180	-	-	-	-
-190	-	-	-	-
-200	-	-	-	-
-210	-	-	-	-
-220	-	-	-	-
-230	-	-	-	-
-240	-	-	-	-
-250	-	-	-	-
-260	-	-	-	-
-270	-	-	-	-
-280	-	-	-	-
-	-	-	-	-
-	-	-	-	-

All intervals have both washed and unwashed samples.

Owner: Lake Land'or
Driller: Harvey J. Harper
County: Caroline (Ladysmith)

W# 3268
C# 97
Total Depth: 292'
Quad:
Elev:

Depth
(feet)

WELL LOG

0-10 Clay - light brown (5YR 6/4); abundant clay; sparse sand; medium to coarse; subangular; poor sorting; quartz; wood fragments.

10-20 Crushed Pegmatite - yellow brown (10YR 5/4); clasts of pegmatite; fragments of saprolitic potassium feldspar; quartz; biotite and muscovite mica; gold and reddish-brown micas; magnetite.

20-30 Crushed Pegmatite - as above.

30-40 Crushed Pegmatite - as above (larger fragments - graphite crystal).

40-50 Crushed Pegmatite - as above.

50-60 Crushed Pegmatite - as above, except: abundant micas.

60-70 Crushed Pegmatite - as above.

70-80 Pegmatite - as above, except: weathered and iron stained fragments of pegmatite and individual minerals - quartz; feldspar; micas; phyllite fragments; saprolitic rock; talc (soapstone); pyrope, rhodolite garnets, 1-3% in clasts; 10% in crushed "sand."

80-90 Pegmatite - as above.

90-100 Granite - salt and pepper; finer grained clasts of granite with biotite mica and garnet.

100-110 Granite - as above, except: graphite, talc.

110-120 Granite - as above, except: epidote in pegmatite, less mica.

120-130 Crushed Granite - as above, except: many badly fractured clasts of yellow quartz; garnet declining.

130-140 Crushed granite - as above (sparse garnet, mica, except in in clasts).

140-150 Crushed granite - as above.

Owner: Lake Land'or

W# 3268

Depth
(feet)

150-160 Crushed Granite - as above (angular sand texture; pyrite).
160-170 Granite - as above; small brown mica flakes in clasts.
170-180 Crushed Granite - as above, except: crushed and fragments;
garnets abundant in crushed "sand;" graphite on clasts;
pyrite.
180-190 Granite - as above.
190-200 Granite - as above.
200-210 Crushed Granite - as above, except: moderate amount Fe - Cu
minerals in sheets, masses and grains; epidote; sparse garnet.
210-220 Granite - as above.
220-230 Granite - as above, except: fuschite ~~mica~~; epidote crystal
fragment.
230-240 Granite - as above.
240-250 Granite - as above.
250-260 Crushed Granite - as above, except: more quartz and feldspar
fragments; very sparse garnet.
260-270 Crushed Granite - as above.
270-280 Crushed Granite - abundant quartz; micas; graphite still;
some garnet; magnetite.
280-292 No Sample.

Logged by: J. K. Polzin
June 12, 1980