

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

B-3667
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES
JAMES L. CALVER, COMMISSIONER
WATER WELL COMPLETION REPORT

OFFICE ADDRESS:

McCormick Road
Charlottesville, Virginia

OWNER: H.T. Loving Mailing Address: Rt. 1 Box 20-A Hanover, VA.

TENANT: _____ Mailing Address: _____

DRILLER: Matthews Well Drilling Mailing Address: Rt 1 Box 66 Rockville VA.

WELL LOCATION: County Hanover Approx. 3 ^{feet} miles North (direction) of Ashland and 1/4 ^{feet} miles West (direction) of U.S. HWY 1 on St. Rd. 641

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

DATE STARTED: Oct. 16, 1973 DATE COMPLETED: Oct 16, 1973

TYPE OF DRILL RIG USED: Air Rotary TOTAL DEPTH 150 feet

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

YIELD TEST: Method Air
Drawdown _____ feet
Rate 40 gal. per min.
Duration _____ hrs., _____ min.

HOLE SIZE: 12 inches from 0 to 50 feet
6 inches from 50 to 150 feet
_____ inches from _____ to _____ feet

WATER ZONES: from 53 to _____ feet
from 72 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: 6 inches from 0 to 50 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

GROUTING: Method _____
Material _____ Depth _____ feet

WATER ANALYSIS AVAILABLE: Yes _____ No XX
10

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

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: _____

LOG

FURNISHED BY: Matthews Well Drilling DATE: _____

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
		Red clay to 20'. Shale encountered at 20' changing in color several times to total depth of 150'. Although soft formations were encountered, walls seem to be solid.	

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

INTERVAL SHEET

Page 1 of 1

Well Repository No: W#: 4011
C#: 165

Date rec'd: 10/25/73 Date Processed: 7/22/74

Sample Interval: from: to:
40 150

PROPERTY: H.T. Loving Sub.

Number of samples: 10

COMPANY: Matthews Well Drilling

Total Depth: 150'

COUNTY: Hanover
(Gum Tree)

Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
40 - 53	-	-	-
53 - 57	-	-	-
57 - 70	-	-	-
70 - 85	-	-	-
85 - 92	-	-	-
92 - 113	-	-	-
113 - 30	-	-	-
130 - 38	-	-	-
138 - 46	-	-	-
146 - 50	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Unwashed samples only

OWNER: H. T. Loving Sub.
DRILLER: Matthews Well Drilling
COUNTY: Hanover
(Gum Tree)

W#: 4011
C#: 165
TOTAL DEPTH: 150'
QUAD: Ashland

GEOLOGIC LOG

Depth
(feet)

- 0 - 40 No sample.
- 40 - 53 Subgraywacke to subarkose -- medium light gray; fine grained; dirty; quartz; feldspar; few flakes of muscovite; biotite.
- 53 - 57 As above except light brownish gray; ferruginous cement; very fine grained.
- 57 - 70 Subgraywacke to subarkose -- light gray; very fine grained; dirty; quartz; feldspar; few flakes of muscovite.
- 70 - 85 As above.
- 85 - 92 As above except light brownishgray; ferruginous cement.
- 92 - 113 Subgraywacke to subarkose -- light brownish gray; ferruginous cement; dirty; quartz; feldspar; some muscovite; few flakes of biotite.
- 113 - 130 Subgraywacke to subarkose -- medium light gray; dirty; fine grained; quartz; feldspar; few flakes of muscovite.
- 130 - 138 Subgraywacke to subarkose -- medium light gray; very fine grained; quartz; feldspar; few flakes of muscovite; biotite; pyrite.
- 138 - 146 Subgraywacke to subarkose -- medium light gray; fine grained; quartz; white potassic feldspar; some biotite; few flakes of muscovite.
- 146 - 150 As above plus few grains of pyrite.

NOTE: All samples are unwashed.

Logged by: Michael T. Currie
Feb. 14, 1979

OWNER: H.T. Loving

-2-

W#: 4011

GEOLOGIC SUMMARY

<u>Depth</u> <u>(feet)</u>	<u>Thickness</u> <u>(feet)</u>	<u>Rock Unit</u>	<u>Time Rock Unit</u>
0 - 40	40	No sample	
40 - 150	110	Newark Group	Triassic

VIRGINIA DIVISION OF MINERAL RESOURCES
David A. Hubbard, Jr., Geologist
February 20. 1979