

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

VDMR - 2340
WWCR - 115

MAILING ADDRESS:

B 3667
C Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS:

McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: OAK HILL WATER COMPANY Mailing Address: Route 1, Ashland, Virginia

TENANT: Subdivision Mailing Address: _____

DRILLER: Matthews Well Drilling Mailing Address: Route 1, Box 66, Rockville, Va.

WELL LOCATION: County Hanover Approx. 2 ~~xxxx~~ miles southwest (direction) of
Ashland and _____ feet miles _____ on _____ (direction) of St. Rd. 657

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

DATE STARTED: May 20, 1968 DATE COMPLETED: May 21, 1968

TYPE OF DRILL RIG USED: air rotary TOTAL DEPTH 325 feet

WATER LEVEL: Stands 20 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method pumped
Drawdown 250 feet
Rate 12 gal. per min.
Duration 24 hrs., 0 min.

HOLE SIZE: 10 inches from 0 to 70 feet
6 inches from 70 to 325 feet
_____ inches from _____ to _____ feet

WATER ZONES: from 86 to _____ feet
from _____ to _____ feet
from _____ to _____ feet

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

WATER: Color clear Taste none
Odor none Temp. _____ °F

CASE SIZE: 6 inches from 0 to 71 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

GROUTING: Method flotation
Material port. cement Depth 70 feet

WATER ANALYSIS AVAILABLE: Yes No _____
DRILL CUTTINGS SAVED: Yes 11 No _____

PUMP: Type 3 HP Submersible
Capacity 30 gal. per min
Depth of intake 250 feet

(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: 71' - 6" std. 19.45# test pipe used on this well. Oversized pump also used on this installation but is choked to pump a maximum of 12 gpm.

LOG

FURNISHED BY: Matthews Well Drilling DATE: July 2, 1968

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	71	Clay, sand and gravel	
71	86	White sandstone -----	-----water
86	97	Shale and sandstone	
97	113	Soft sandstone	
113	130	" "	
130	150	Shale	
150	163	" "	
163	194	Soft sandstone	
194	250	Soft sandstone and shale	
250	262	" " " "	
262	325	Sandrock and shale	

INTERVAL SHEET

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WWCR: 115
VDMR Well No: 2340

Date rec'd: 12/12/68

Sample Interval: from 71 to: 325'

PROP: Oak Hill Water Co.

Number of samples: 11

COMP: Matthews Well Drilling

Total Depth: 325'

COUNTY: Hanover (Ashland)

Oil or Gas: Water: X Exploratory:

From-To	From-To	From-To	From-To
No samples	-	-	-
71 - 86	-	-	-
86 - 97	-	-	-
97 - 113	-	-	-
113 - 130	-	-	-
130 - 150	-	-	-
150 - 163	-	-	-
163 - 194	-	-	-
194 - 250	-	-	-
250 - 262	-	-	-
262 - 300	-	-	-
300 - 325	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

All intervals have both washed and unwashed samples.

OWNER: Oak Hill Water Company
DRILLER: Matthews Well Drilling
COUNTY: Hanover (Ashland)

VDMR: 2340
WWCR: 115
TOTAL DEPTH: 325'

GEOLOGIC LOG

Depth
in feet

0-71	No samples
71-86	Sandstone — light-gray; fine-to coarse-grained sand and gravel, poorly sorted, angular to subrounded; quartz, with minor amount of feldspar and traces of mica and clay
86-97	Siltstone — gray; fine-grained, angular, micaceous, slightly sandy, slightly fissile; quartz, with minor amounts of feldspar, biotite and muscovite; trace of clay
97-113	" with gray, fine- to very-fine grained silty sandstone; quartz, feldspar and mica
113-130	Sandstone — gray; fine-to coarse-grained, angular; quartz, feldspar and biotite with traces of muscovite and pink feldspar; a few granite fragments; 10 percent slightly sandy siltstone
130-150	Sandy siltstone — dark-gray; fine-grained angular sand with a few coarse grains; very micaceous, slightly fissile; quartz, biotite and feldspar, with traces of muscovite and clay; 10 to 15 percent fine-grained silty sandstone
150-163	"
163-194	Sandstone — gray; fine-to coarse-grained, angular; quartz, feldspar and biotite, with traces of muscovite and pink feldspar; a few fragments of fine-grained granite; 10 percent sandy siltstone
194-250	Sandstone — light-gray; very fine-to fine-grained, angular; quartz, with minor amount of feldspar and traces of pink feldspar and biotite
250-262	" with 10 percent siltstone and fragments of biotitic granite

OWNER: Oak Hill Water Company

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262-300 Sandstone — light-gray; very fine-to fine-grained,
 angular; quartz, with minor amount of feldspar
 and traces of pink feldspar and biotite; with 10
 percent siltstone and fragments of biotitic
 granite

300-325 "

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-71'	No samples	—
71-325'	Newark Group	Early Triassic

Virginia Division of Mineral Resources
Robert G. Willson, Geologist
December 18, 1968