### COMMONWEALTH OF VIRGINIA

VDMR - 2340 WWCR - 115

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

B 3667

# DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS:

McCormick Road

Contractille, VA 22903 WATER WELL COMPLETION REPORT

Charlottesville, Virginia

MANAGEMENT TO SERVER	HISTORY STUBLES AND STUDENT STUBLES AND ST
	Mailing Address: Route 1, Ashland, Virginia
	Mailing Address:
DRILLER: Matthews Well Drilling	. Mailing Address: Route 1, Box 66, Rockville, Va.
WELL LOCATION: County Hanover	Approx. 2 xtextx southwest (direction) of
Ashland ond	feet on (direction) of St. Rd. 657
(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TOURNTY HIGHWAY OR OTHER MAP.)	TWO REFERENCE POINTS - ROADS, TOWNS, RIVERS, ETCON
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 <u>OR</u>
has <u>NATURAL</u> flow of_	gallons per minute.
YIELD TEST: Method pumped	HOLE SIZE: 10 inches from 0 to 70 feet
Drawdown feet	6inches from70to325_feet
Rate 12 gal. per min.	inches fromtofeet
Duration 24 hrs., 0 min.	SCREEN SIZE:inches fromtofeet
WATER ZONES: from 86 to feet	inches fromtofeet
fromtofeet	inches fromtofeet
fromtofeet	CASE SIZE: 6 inches from 0 to 71 feet
WATER: ColorclearTostenone	inches fromtofeet
Odor <u>none</u> Temp°F	inches fromtofeet
WELL TO SUPPLY: (check one) Home	GROUTING: Method flotation
Farm Town School	Material port. cement Depth 70 feet
IndustryOthersubdivision	PUMP: Type 3 HP Submersible
WATER ANALYSIS AVAILABLE: YesX_No	Capacitygal. per min
DRILL CUTTINGS SAVED: Yes 11 No  (DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNISH	Depth of intake 250 feet INTERVALS. THESE SAMPLES MAY BE SHIPPED TO THIS HED FREE OF CHARGE UPON REQUEST.)
ARKS: 71' - 6" std. 19.45# test pipe used	on this well. Oversized pump also used
on this installation but is choked to pun	np a maximum of 12 gpm.

ALMIDRIV RLOGT 145 WING MINDS

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

WWCR - RE

DEP (fee	TH Professor	TYPE OF ROCK OR SOIL PENE	TRATED REMARKS		
FROM	T.O.	(gravel, clay, etc., hardness, colo			
		learning address	Subdivision		
6 71	71	Clay, sand and gravel			
71 86	86 97	White sandstone	water@ HeW awolitisM.gajji		
97	113	Shale and sandstone	ELL LOCATION County Planes ex		
113	130				
130	150	2	Ashland business		
150	163		T MOST SELEN OF THE RE BOYARTHO DWA MOSTOSHIC EV		
163	194	Soft sandstone	CONTY HIGHWAY OF OTHER MAP?		
194	250	Soft sandstone and shale	TE STARTED: May 20, 1968		
250	262	11 11 11 11			
262	325	Sandrock and shale	TRE OF DRILL RIG USED air ritary		
		80 vantasa	ATER LEVEL: Stondy 20 Feet Refer		
		atunem req implies	_te well JARUTAN see		
- 0.0	e1 0	HOLE SIZE: 10 manes from	Language to the TEST of 13		
28	s . (y	most serve of			
	× - 01	L M011 1-1/13	December 1850 news means		
551		Charl Estin	Rate 12 gar mer -ve		
05)	o+	SCREEN SIZE	Couration 24 bys D in		
441	W1	mort sussai	TER ZONES: (12m 36		
9.0	0.7	_ mont seamed	from		
The tee	0	CASE SIZEL 6 melius from	1061		
27)		mont gedons	ATER: Colorcleartestonone		
991		_mont switch:	Onor TODE Temp		
	non	GROUTING Memod Glotat	SLL TO SUPPLY: (oneck one) Home		
100	QT10	Material Dort, cornentine	FormScheo		
	ersible	PUMP: Type 3 HP Subm	Industry Conor subdivision		
-05 (90)	10.0		TER ANALYSIS AVAILABLE NO NEW TO THE		
and .	0.1		dic GUTTINGS SAVED: Yes II we		
pane (	T DENRIHE		ALL COTTINGS SHOWLD SE COLLECTED AT 10 FOOT A		
	pase cale		Dean egic and 19. 15% that olde used		
V %			on this installation but is chulted to purn		
		*			
		(Use additional form	s if necessary)		

#### INTERVAL SHEET

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:XExploratory:

From-To	From-To	From-To	From-To
No samples	~	-	<u>~</u>
71_ 86	2 <del>-</del>	_	_
86 _ 97		_	_
97 _ 113		_	
113 _ 130	-	=	9797 1777
	, <del>-</del>	_	
130 _ 150	299	-	_
150 _ 163	5 <del></del>	-	<u>~</u>
163 _ 194	=	<u>=</u>	_
194 _ 250		<u></u>	_
250 _ 262	_	-	_
262 _ 300	-	<u>=</u>	3 <u></u>
300 _ 325	<u>=</u>	<u> </u>	2
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8 <del>4</del> 4	e <del>n.</del>	100 100	

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	TI .
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

#2340

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

11

### GEOLOGIC SUMMARY

Rock Unit

O-71' No samples

71-325' Newark Group

Early Triassic

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