## INTERVAL SHEET

Page1	VDMR Well No.: Well No	. 913	
Date 10/29/63	Sample Interval: from_	0 to 140	
PROP: Buckingham County School	Total depth 195		
COMP: Falwell #4)	OilGasWater_X	_Exploratory	
COUNTY: Buckingham	Cuttings X Core	_Other	
VDMR Well No: W-913			
	rom-To From-T		
2 12	Washed Samples	- none	
0 - 10		_	
10 - 20			
20 30	<u> </u>	_	
30 40		_	
40 50			
- 50 - 60	= :-	_	
- 60 - 70	; <del>-</del>	· -	
70 - 80	=	¥ .	
80 - 90	_	_	
90 100	, <del>-</del>	-	
90 100			
100 110			
- 100 - 110	-	-	
- 110 - 120	-	=	
- 120 - 130 No sample	. <del>.</del>	-	
130 - 140		-	
140 195 No sample		-	
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OWNER: Buckingham Co. School Board (Gold Hill #4)

DRILLER: Falwell Well Corp. (J. L. Eagle)

COUNTY: Buckingham

VDMR #913 WWCR #112 TOTAL DEPTH: 195'

### GEOLOGIC LOG

### Overburden (0-10')

0-10

120-130

130-140

Clay - reddish brown, fine grained; hematite, micaceous minerals, quartz, feldspar, traces of epidote, (By petrographic examination).

Arvonia Formation (10-140') ?				
10-20	Schist (weathered) — light olive-brown, fine grained; clay, sericite, quartz, with traces of iron stains. (X-ray analysis: Muscovite 35%, quartz 30%, kaolinite 15%, montmorillonite 20%).			
20-30	As above.			
30-40	As above.			
40-50	As above.			
50-60	Slate — black, fine grained; quartz, sericite, feldspar, graphite pigment, and traces of biotite (By petrographic examination), (X-ray analysis: Plagioclase 10%, Quartz 35%, chlorite 15%, muscovite 40%).			
60-70	As above.			
70-80	As above.			
80-90	As above.			
90-100	Schist (Overburden) — light olive-brown, fine grained; sericite and clay minerals, quartz, (X-ray analysis: Quartz 50%, muscovite 20%, kaolinite 30%).			
100-110	Slate — dark gray, medium grained; quartz, sericite, chlorite, biotite, minor graphite, with vein quartz, (X-ray analysis: Quartz 40%, plagioclase 15%, muscovite 10%, biotite 20%, chlorite 15%).			
110-120	As above.			

Slate - dark gray, medium grained; quartz, sericite,

chlorite, biotite, minor graphite, vein quartz.

No sample.

OWNER: Buckingham Co. School Bd. (Gold Hill #4)

#913

140-195

No sample.

# GEOLOGIC SUMMARY

	ROCK UNIT	AGE
0-10	Overburden	Recent
10-140	Arvonia Formation (?)	Ordovician
140-195	No sample	

Virginia Division of Mineral Resources Villard S. Griffin, Jr., Geologist July 29, 1964