INTERVAL SHEET

Pagel			WWCR 187 VDMR Well No: <u>Well No. 1439</u>					
Date	12/2/65		Sampl	e Inte	erval: from	110	to <u>252</u>	
PROP:	Carl Long		Total	Depth	n <u> </u>			
COMP:	Farmville Drilling Co.		0i1	_Gas_	Water <u>X</u> E	xplorato	ory	
COUNTY:	Charlotte (Keysville)		Cutti	.ngs	X_Core	Other		
VDMR We	ell No: W-1439		Wash	ied sat	mples			
From-To	From-To	F	rom-To)	From-	То	From-To	
-	-		0 - 1	10 No	samples-		-	
-	-	11	0 - 12	2	-		-	
-	-	12	2 - 14	2	-		-	
-		14	2 - 16	2	a		-	
-	-	16	2 18	2	-		-	
_	_	18	2 _ 20	2	-		_	
-	=	20	2 - 22	2	-		-	
-	-	22	2 - 23	7	-		-	
·	-	23	7 - 25	2	-		-	
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OWNER: Carl Long DRILLER: Farmville Well Drilling Co., Inc. COUNTY: Charlotte (Keysville) VDMR #1439 WWCR #187 TOTAL DEPTH: 252'

GEOLOGIC LOG

- 0-110 No samples.
- 110-122 Feldspathic-Chlorite-Muscovite Schist grayish-green, coarsegrained; oligoclase, chlorite, muscovite, quartz, epidote; minor alkali feldspar, apatite, calcite, garnet, magnetite pyrite: massive in part.
- 122-142 As above very coarse-grained, stronger foliation small augen of quartz.
- 142-162 As above banded; green chlorite rich bands; white and palepink bands of plagioclase, alkali-feldspar, quartz, and minor garnet and muscovite.
- 162-182 As above less segregation of minerals, more massive.
- 182-222 As above.
- 222-237 Hornblende and Chlorite Schist dark-gray-green, medium-finegrained, good lineation, poor foliation; hornblende, chlorite, oligoclase-andesine, epidote, quartz, muscovite, magnetite, apatite, garnet and trace pyrite; occasional leucocratic laminae of quartz and feldspar.
- 237-252 Feldspathic-Muscovite-Chlorite Schist gray-green and white; coarse-grained; muscovite, chlorite, oligoclase, quartz, epidote, magnetite, and minor garnet and calcite; leucocratic bands (up to 20 mm thick) of feldspar muscovite quartz and minor garnet.

GEOLOGIC SUMMARY

Feldspathic-Chlorite-Muscovite Schist which appears to be derived from older hornblende schist by dynamic and chemical retrograde metamorphism.

> Virginia Division of Mineral Resources Hollis N. Walker, Geologist December 9, 1965