INTERVAL SHEET

Page 1

VDMR WELL NO.: 791 WWCR # 851

Date 2/25/63

Sample Interval: from 90 to 255

PROP: Allen F. Voshell, Jr.

Total Depth 255

COMP: C. R. Moore

Oil ____ Gas ____ Water X Exploratory ____

COUNTY: Albemarle (Owensville)

Cuttings X Core ____ Other ____

From-To	From-To	From-To	Washed Samples From-To	From-To
	0-90 no samples		Complete set of	
-	90 -	-	sampled intervals	-
-	94 -	-	-	-
-	110 -	-	-	-
-	120 -	-	-	-
-	130 -	-	-	-
-	140 -	-	-	-
-	150 -	-	-	-
-	160 -	-	-	-
-	170 -	-	-	-
-	180 -	-	-	-
-	190 -	-	-	-
-	200 -	-	-	-
-	210 -	-	-	-
-	220 -	-	-	-
-	230 -	-	-	-
-	240 -	-	-	-
-	250 -	-	-	-
-	255 -	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

OWNER: Allen F. Voshell, Jr.
DRILLER: C. R. Moore
COUNTY: Albemarle (Owensville)

VDMR # 791
WWCR # 851
TOTAL DEPTH : 250

GEOLOGIC LOG

0-90	No samples (top of bedrock in lower portion of this interval)
90	Gneiss - black and white, moderately hard, with some soft weathered mica, medium grained, 40% plagioclase feldspar, 35% quartz, 25% biotite, heavy trace of weathering and iron staining
94	Gneiss - black, white and brown, moderately hard, medium grained, 35% plagioclase feldspar, 35% quartz, 30% biotite, heavy trace of weathering and iron staining
110	Gneiss - brown and white, moderately hard to soft (highly decomposed and weathered), medium grained, 40% plagioclase feldspar, 35% quartz, 25% biotite, heavy trace of weathering and iron staining - principal aquifer zone
120	Gneiss - black, white and brown, moderately hard to hard, medium grained, 35% quartz, 35% plagioclase feldspar, 30% biotite, heavy trace of weathering and iron staining
130	Gneiss - black and white, hard, medium grained, massive, 40% plagioclase feldspar, 30% quartz, 30% biotite, slight trace of garnet
140	Gneiss - black and white, hard, medium grained, massive, 40% plagioclase feldspar, 35% quartz, 25% biotite, heavy trace of weathered feldspar and iron staining, slight trace of garnet
150	Gneiss - black, white, and some dark green, hard, medium grained, massive 40% plagioclase feldspar, 30% quartz, 25% biotite, 5% chlorite, slight trace of garnet
160	As above
170	As above
180	Gneiss - black and white, hard, medium grained, massive, 35% plagioclase feldspar, 30% quartz, 30% biotite, 5% chlorite, slight trace of garnet

190 Gneiss - black and white, hard, medium grained, massive (X-ray analysis: 35% quartz, 30% plagioclase feldspar, 25% biotite, 10% chlorite)

200 Gneiss - black, white and some dark green, hard, medium grained, massive, 30% quartz, 30% plagioclase feldspar, 30% biotite, 10% chlorite, slight trace of garnet

210 Gabbro-metamorphosed, black, white, and dark green, hard, medium grained, massive (X-ray analysis: 35% plagioclase feldspar, 30% chlorite, 25% quartz, 10% amphibole)

220 Gabbro-metamorphosed, black, white, and dark green, hard, medium grained, massive, 40% plagioclase feldspar, 30% chlorite, 25% quartz, 5% amphibole, slight trace of biotite and garnet

230 Gabbro-metamorphosed, black, white, and dark green, hard medium grained, massive, 40% plagioclase feldspar, 30% chlorite, 25% quartz, 5% amphibole

240 Gabbro-metamorphosed, black, white, and dark green, hard, medium grained, massive, 30% plagioclase feldspar, 30% chlorite, 30% quartz, 10% amphibole, trace of biotite and garnet

250 Gabbro-metamorphosed, black, white, and dark green, hard, medium grained, massive, 35% plagioclase feldspar, 30% chlorite, 25% quartz, 10% amphibole, trace of biotite and garnet

255 As above

GEOLOGIC SUMMARY

AGE	ROCK UNIT	
Precambrian	Lovingston fm. { Gneissic phase	0-210'
	Gabbroic phase	210-255'

Remarks:
Mineralogic change begins at 150 feet and is gradational due to increase in metamorphism with depth.

Virginia Division of Mineral Resources
Merrick S. Whitfield - Geologist
March 4, 1963