

INTERVAL SHEET

WWCR - 1014

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VDMR Well No: 1788

Date rec'd: January 4, 1967

Sample Interval: from 195 to 485

PROP: Berkley Subdivision well #5

Number of samples: 29

COMP: C. R. Moore Incorporated

Total Depth: 485

COUNTY: Albemarle (Charlottesville)

Oil or Gas: Water:X Exploratory:

From-To (Old well to 150')	From-To	From-To	From-To
150 - 195	No samples -	-	-
195 - 205	-	-	-
205 - 215	-	-	-
215 - 225	-	-	-
225 - 235	-	-	-
235 - 245	-	-	-
245 - 255	-	-	-
255 - 265	-	-	-
265 - 275	-	-	-
275 - 285	-	-	-
285 - 295	-	-	-
295 - 305	-	-	-
305 - 315	-	-	-
315 - 325	-	-	-
325 - 335	-	-	-
335 - 345	-	-	-
345 - 355	-	-	-
355 - 365	-	-	-
365 - 375	-	-	-
375 - 385	-	-	-
385 - 395	-	-	-
395 - 405	-	-	-
405 - 415	-	-	-
415 - 425	-	-	-
425 - 435	-	-	-
435 - 445	-	-	-
445 - 455	-	-	-
455 - 465	-	-	-
465 - 475	-	-	-
475 - 485	-	-	-

All intervals have both washed and unwashed samples.

OWNER: Commonwealth Utilities  
(Berkley Subdivision well #5)  
DRILLER: C. R. Moore Incorporated  
COUNTY: Albemarle (Charlottesville)

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TOTAL DEPTH - 485'

GEOLOGIC LOG

Depth in Feet

0 - 195	No samples (old well to 150')
195 - 205	Gneiss and Felsite — 80% of sample is gray, very fine-grained (0.1 - 0.5 mm) quartz-biotite-muscovite-plagioclase gneiss with traces of zircon, pyrite, and pyrrhotite. 20% of the sample is a buff, hard, cherty, fine-grained to aphanitic quartzitic felsite dike.
205 - 215	"
215 - 225	"
225 - 235	"
235 - 245	"
245 - 255	"
255 - 265	"
265 - 275	"
275 - 285	"
285 - 295	"
295 - 305	Felsite — buff, hard dense, fine-grained (.1 - .25 mm) quartzitic rock with conchoidal fracture; scant, rust-colored stains from accessory pyrite alteration.
305 - 315	"
315 - 325	Gneiss — gray, fine-grained, quartz-biotite-plagioclase-muscovite gneiss; traces of zircon, pyrite pyrrhotite.
325 - 335	"
335 - 345	" with one fragment of gray and white banded gneiss

345 - 355	Gneiss —	gray, fine-grained, quartz-biotite-plagioclase-muscovite gneiss; traces of zircon, pyrite pyrrhotite.
355 - 365	"	
365 - 375	"	with trace of chalcopyrite
375 - 385	"	
385 - 395	"	with 5 x 1 x 1 mm rust-colored flake of pyrrhotite and traces of pyrite, octahedra, cubes, and cubo-octahedra.
395 - 405	Gneiss —	gray, fine-grained, quartz-biotite-plagioclase-muscovite gneiss; traces of zircon, pyrite pyrrhotite.
405 - 415	"	
415 - 425	"	
425 - 435	"	
435 - 445	"	
445 - 455	"	with two fragments of gray-black slate.
455 - 465	Felsite Dike with Quartz Vein —	buff, cherty quartzitic dike in sharp, irregular contact with white vein quartz.
465 - 475	Gneiss —	quartz-biotite-muscovite-plagioclase gneiss.
475 - 485	"	

#### GEOLOGIC SUMMARY

<u>Rock Unit</u>	<u>Age</u>
0 - 150	Pre-existing well
150 - 195	No samples
195 - 485	Lynchburg Formation
	Late Precambrian

Note: Felsite dikes intruded in the quartz-biotite gneiss were penetrated in the 195-205', 295-315', and 455-465' depth intervals.

Virginia Division of Mineral Resources  
Richard S. Good, Geologist  
February 4, 1967