

INTERVAL SHEET

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VDMR Well No.: 718 WWCRC # 842

Date 9-14-62

Sample Interval: from 0 to 250

PROP: Shenandoah Nat. Park Loft Mt.  
Well #4

Total depth 250

COMP: Seek Well Drilling

Oil  Gas  Water  Exploratory

COUNTY: Albemarle

Cuttings  Core  Other

Washed samples

From-To	From-To	From-To	From-To	From-To
-	0 - 5	150 - 155		
-	5 - 10	155 - 160	Complete set of	-
-	10 - 15	160 - 165	sampled intervals	-
-	15 - 20	165 - 170	-	-
-	20 - 25	170 - 175	-	-
-	25 - 30	175 - 180	-	-
-	30 - 35	180 - 185	-	-
-	35 - 40	185 - 190	-	-
-	40 - 45	190 - 195	-	-
-	45 - 50	195 - 200	-	-
-	50 - 55	200 - 205	-	-
-	55 - 60	205 - 210	-	-
-	60 - 65	210 - 215	-	-
-	65 - 70	215 - 220	-	-
-	70 - 75	220 - 225	-	-
-	75 - 80	225 - 230	-	-
-	80 - 85	230 - 235	-	-
-	85 - 90	235 - 240	-	-
-	90 - 95	Missing	-	-
-	95 - 100	245 - 250	-	-
-	100 - 105	-	-	-
-	105 - 110	-	-	-
-	110 - 115	-	-	-
-	115 - 120	-	-	-
-	120 - 125	-	-	-
-	125 - 130	-	-	-
-	130 - 135	-	-	-
-	135 - 140	-	-	-
-	140 - 145	-	-	-
-	145 - 150	-	-	-

OWNER: Shenandoah National Park - Loft Mtn No. 4.  
DRILLER: Marvin Seek  
COUNTY: Albemarle

VDMR #718  
WWCR #842  
TOTAL DEPTH: 250

SAMPLE DESCRIPTION  
(Washed)

LOUDOUN FORMATION (0-95)

0-5	Overburden - weathered material with quartz and phyllite fragments
5-10	As above
10-15	As above
15-20	As above
20-25	As above
25-30	As above
30-35	As above
35-40	Overburden - weathered light gray phyllite with quartz fragments
40-45	As above
45-50	As above
50-55	Overburden - weathered light grayish green, soft phyllite with many quartz fragments
55-60	As above
60-65	As above
65-70	Phyllite - gray, trace of quartz and pyrite (top of bedrock in this interval)
70-75	Phyllite - gray to purplish gray, trace of quartz
75-80	Phyllite - gray to purplish gray, soft, trace quartz (x-ray analysis: 40% mica, 35% chlorite, 10% quartz, 15% feldspar)
80-85	As above
85-90	As above
90-95	As above

OWNER: Shenandoah National Park - Loft Mtn. No. 4 (continued)

#718

CATOCTIN FORMATION (95-250)

- 95-100 Phyllite - dark to light gray, with some quartz fragments
- 100-105 As above (x-ray analysis: 40% mica, 25% chlorite, 20% quartz, 5% plagioclase, and 10% orthoclase).
- 105-110 Phyllite - light to dark gray, some quartz and andesite fragments
- 110-115 Phyllite - light to dark gray, some quartz and andesite fragments, with vein calcite and pyrite
- 115-120 As above
- 120-125 As above
- 125-130 Andesite - gray to dark gray, relatively hard, interbedded with phyllite and quartz, traces of feldspar
- 130-135 As above
- 135-140 As above
- 140-145 As above
- 145-150 Andesite - gray to dark gray, hard, some quartz, traces of phyllite (x-ray analysis: 15% mica, 30% chlorite, 5% quartz, 25% plagioclase, 25% orthoclase)
- 150-155 As above
- 155-160 As above
- 160-165 As above
- 165-170 As above
- 170-175 As above
- 175-180 As above
- 180-185 Andesite - gray to dark gray (x-ray analysis: 5% mica, 20% quartz, 15% chlorite, 60% feldspar)
- 185-190 Andesite-gray to dark gray, hard, (x-ray analysis: 5% mica, 20% chlorite, 35% quartz, 35% plagioclase, 5% orthoclase)
- 190-195 As above
- 195-200 As above
- 200-205 As above

OWNER: Shenandoah National Park - Loft Mtn. No. 4 (continued)

#718

- 205-210 Andesite - gray to dark gray, interbedded with quartz, some feldspar
- 210-215 As above
- 215-220 As above (x-ray analysis: 4% mica, 30% chlorite, 10% quartz, 50% plagioclase)
- 220-225 As above
- 225-230 As above
- 230-235 As above
- 235-240 As above
- 240-245 ~~As above~~ *no sample*
- 245-250 Andesite and interbedded phyllite, (x-ray analysis: 20% mica, 30% chlorite, 10% quartz, 40% plagioclase)

GEOLOGIC SUMMARY

	<u>AGE</u>	<u>UNIT</u>
0 -95'	Cambrian	Loudoun formation
95 -250'	Pre-cambrian	Catoctin formation

Division of Mineral Resources  
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