INTERVAL SHEET

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Date 11-26-62

PROP: Shenandoah Nat. Park
Loft Mt. Well #5

COMP: Seek Well Drilling

COUNTY: Albemarle

VDMR Well No.: 754 WWCR: 846

Sample Interval: from 10 to 320

Total depth 320

Oil ____ Gas ____ Water X Exploratory ____

Cuttings X Core ____ Other ____

From-To	Washed Samples From-To	From-To	Washed Samples From-To	From-To
-	10 - 15	150 - 155	300 - 305	-
-	15 - 20	155 - 160	305 - 310	-
-	20 - 25	160 - 165	310 - 315	-
-	25 - 30	165 - 170	315 - 320	-
-	35 -	170 - 175	-	-
-	35 - 40	175 - 180	-	-
-	40 - 45	180 - 185	-	-
-	45 - 50	185 - 190	-	-
-	47 -	190 - 195	-	-
-	50 - 55	195 - 200	-	-
-	55 - 60	200 - 205	-	-
-	60 - 65	205 - 210	-	-
-	65 - 70	210 - 215	-	-
-	70 - 75	215 - 220	-	-
-	75 - 80	220 - 225	-	-
-	80 - 85	225 - 230	-	-
-	85 - 90	230 - 235	-	-
-	90 - 95	235 - 240	-	-
-	95 - 100	240 - 245	-	-
-	-	245 - 250	-	-
-	100 - 105	250 - 255	-	-
-	105 - 110	255 - 260	-	-
-	110 - 115	260 - 265	-	-
-	115 - 120	265 - 270	-	-
-	120 - 125	270 - 275	-	-
-	125 - 130	275 - 280	-	-
-	130 - 135	280 - 285	-	-
-	135 - 140	285 - 290	-	-
-	140 - 145	290 - 295	-	-
-	145 - 150	295 - 300	-	-

Owner: Shenandoah National Park - Loft Mt. No. 5 VDMR: 754
Driller: Sydnor Pump and Well Company WWCR: 846
County: Albemarle (Boonesville) Total Depth: 320

SAMPLE EXAMINATION
(washed samples)

WEVERTON FORMATION (0 - 35)

0 - 10	No samples
10 - 15	Overburden - weathered quartz and phyllite fragments
15 - 20	As above
20 - 25	Phyllite - green to gray, micaceous, quartzitic, phyllite and hematite fragments
25 - 30	As above
30 - 35	As above

LOUDOUN FORMATION (35 - 115)

35 - 40	Phyllite - light gray, micaceous, quartz fragments and flakes of chlorite and graphite
40 - 45	As above
45 - 50	As above (X-ray analysis: 40% mica, 5% chlorite)
47	Quartzite - white to grayish green, some phyllite fragments
50 - 55	Phyllite - light green to purplish gray, micaceous, quartz fragments, flakes of chlorite and graphite
55 - 60	As above (X-ray analysis: 40% mica, 10% chlorite)
60 - 65	As above
65 - 70	As above (X-ray analysis: 30% mica, 20% chlorite)
70 - 75	As above

75 - 80	As above
80 - 85	Phyllite - grayish purple with some pale green fragments
85 - 90	As above
90 - 95	As above
95 - 100	Phyllite - gray, pale green, and purple, minor amount of quartz (X-ray analysis: 30% mica, 30% chlorite)
100 - 105	As above
105 - 110	As above
110 - 115	Phyllite - dark gray, micaceous, chloritic, traces of graphite and green quartz

CATOCTIN FORMATION (115 - 320)

115 - 120	Phyllite - purplish gray, chloritic, minor amount of quartz (X-ray analysis: chlorite 40%, mica 25%)
120 - 125	Phyllite - dark gray, chloritic, traces of quartz and calcite
125 - 130	As above
130 - 135	Phyllite - gray to green, chloritic, silky luster, relatively hard
135 - 140	As above
140 - 145	Phyllite - medium to dark gray, chloritic, relatively hard
145 - 150	Phyllite - dark gray, chloritic, considerable milky quartz and calcite fragments
150 - 155	Phyllite - dark gray, chloritic, some calcite and quartz
155 - 160	As above (X-ray analysis: chlorite 50%, mica 10%)

160 - 165	As above
165 - 170	As above
170 - 175	As above
175 - 180	As above
180 - 185	As above
185 - 190	Phyllite - medium to dark gray, chloritic, some quartz and calcite fragments
190 - 195	Phyllite - medium to dark gray, chloritic, relatively hard, trace of quartz
195 - 200	As above
200 - 205	Phyllite - medium to dark gray, and purplish red, chloritic, relatively hard, trace of quartz
205 - 210	As above (X-ray analysis: chlorite 50%, mica 10%)
210 - 215	As above
215 - 220	Phyllite - dark gray and mottled purplish red, chloritic, relatively hard, some quartz, and traces of calcite
220 - 225	As above
225 - 230	As above (X-ray analysis: chlorite 40%, mica 10%)
230 - 235	As above
235 - 240	As above
240 - 245	As above
245 - 250	Phyllite - pale green to greenish gray, chloritic, somewhat softer, traces of quartz and calcite
250 - 255	Phyllite - light green, gray, and purplish red, chloritic, considerable quartz, some dark gray hard basalt

255 - 260	Phyllite - gray, grayish green, and mottled purplish red, chloritic, some milky quartz, trace of calcite and basalt material
260 - 265	Basalt - gray, hard, with some gray phyllite, quartz and calcite (X-ray analysis: Plagioclase 50%, quartz 30%, chlorite 10%, epidote 10%)
265 - 270	As above
270 - 275	Phyllite - mottled green to red, chloritic, traces of basalt, some milky quartz
275 - 280	As above
280 - 285	As above
285 - 290	Phyllite - mottled green, gray and red, chloritic, relatively hard, milky quartz fragments and trace of calcite
290 - 295	As above
295 - 300	Phyllite - grayish green to mottled red, chloritic, relatively hard, abundance of milky quartz fragments
300 - 305	As above (X-ray analysis: chlorite 50%, mica 10%)
305 - 310	As above
310 - 315	As above
315 - 320	As above

GEOLOGIC SUMMARY

	Age	Unit
0 - 35'	Cambrian	Weverton formation
35 - 115'	Cambrian	Loudoun formation
115 - 320'	Precambrian	Catoctin formation

Virginia Division of Mineral Resources
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