INTERVAL SHEET

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Date 8/10/62

PROP: Shenandoah Nat. Park
Loft Mt. Well #1

COMP: Seek Well Drilling

COUNTY: Albemarle

VDMR WELL NO. 715 WWCR 839

Sample Interval: from 0 to 303

Total Depth 303

Oil ____ Gas ____ Water X Exploratory ____

Cuttings X Core ____ Other ____

From-To	From-To	From-To	From-To	Washed Samples From-To
-	0 - 5	150 - 155	295 - 300	Complete set
-	5 - 10	155 - 160	300 - 303	of sampled
-	10 - 15	160 - 165	-	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	240 - 245	-	-
-	95 - 100	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	-	-	-

OWNER: Shenandoah National Park Loft Mtn. No. 1 VDMR: 715
DRILLER: Marvin Seek WWCR: 839
COUNTY: Albemarle TOTAL DEPTH: 303

SAMPLE DESCRIPTION

(washed)

LOUDOUN FORMATION (0-95)

0-5	Overburden - weathered material, clay and quartz fragments
5-10	Overburden - weathered material, quartz and phyllite fragments
10-15	As above
15-20	As above
20-25	As above
25-30	As above
30-35	As above
35-40	As above
40-45	As above
45-50	Phyllite - light silvery gray, soft, traces of quartz (top of bedrock in this interval)
50-55	Phyllite - light silvery gray, soft, traces of quartz
55-60	As above
60-65	Phyllite - light gray to grayish green, traces of tan-stained quartz
65-70	As above
70-75	Phyllite - light to dark gray, relatively soft, trace of quartz (X-ray analysis: 50% mica, 40% chlorite, 10% orthoclase)
75-80	As above
80-85	As above
85-90	As above
90-95	As above

CATOCTIN FORMATION (95-303)

95-100	Phyllite - grayish green, trace of chlorite flakes and vein calcite
100-105	As above

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105-110 As above

110-115 As above

115-120 As above

120-125 Phyllite - light to dark gray, relatively soft, interbedded quartz and feldspar , traces of calcite and iron stain (X-ray analysis: 65% mica, 25% chlorite, 5% plagioclase, 5% orthoclase)

125-130 As above

130-135 Andesite - light to dark gray, some quartz fragments

135-140 Andesite - light to dark gray, some quartz fragments and traces of feldspar and magnetite (X-ray analysis: 10% mica, 45% chlorite, 10% quartz, 20% plagioclase, 15% orthoclase)

140-145 Andesite - light to dark gray, some quartz, traces of feldspar and magnetite, interbedded green to dull purplish phyllite

145-150 As above

150-155 As above

155-160 As above

160-165 As above

165-170 As above (X-ray analysis: 35% mica, 30% chlorite, 35% quartz)

170-175 Andesite - light to dark gray, some quartz, traces of feldspar and magnetite, interbedded green to dull purplish phyllite

175-180 As above

180-185 As above

185-190 As above

190-195 As above

195-200 Andesite - light to dark gray, hard, interbedded with grayish green to purplish red phyllite

200-205 As above

205-210 As above

210-215 As above

215-220 As above

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220-225 Andesite - light to dark gray, trace of magnetite (X-ray Analysis: 15% mica, 40% chlorite, 25% quartz, 20% plagioclase, 10% orthoclase)

225-230 As above

230-235 As above

235-240 As above

240-245 As above

245-250 As above

250-255 Andesite - dark gray, traces of quartz and epidote, interbedded with phyllite

255-260 As above

260-265 As above (X-ray analysis: 30% mica, 35% chlorite, 35% plagioclase)

265-270 Andesite - dark gray, traces of quartz and epidote, interbedded with phyllite

270-275 As above

275-280 Andesite - dark gray, hard, trace of quartz

280-285 As above

285-290 As above

290-295 As above

295-300 As above

300-303 Andesite - gray, hard, (X-ray analysis: 10% mica, 35% chlorite, 40% plagioclase, 15% amphibole)

GEOLOGIC SUMMARY

	AGE	UNIT
0 - 95'	Cambrian	Loudoun formation
95 - 303'	Pre-cambrian	Catoctin formation

Division of Mineral Resources
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December 20, 1962