INTERVAL SHEET

Page 1

VDMR WELL NO. 704 WWCR 841

Date 8-28-62

Sample Interval: from 0 to 250

PROP: Loft Mt. Site #3

Total Depth 250

COMP: Seek Well Drilling Co.

Oil ____ Gas ____ Water X Exploratory ____

COUNTY: Albemarle

Cuttings X Core ____ Other ____

From-To	From-To	From-To	Washed Samples From-To	From-To
-	0 - 5	150 - 155	-	-
-	5 - 10	155 - 160	-	-
-	10 - 15	160 - 165	-	-
-	15 - 20	165 - 170	Complete set of	-
-	20 - 25	170 - 175	Sampled Intervals	-
-	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	-	-	-
-	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. 3 VDMR: 704
Driller: Marvin Seek WWCR: 841
County: Albemarle T. D.: 250

SAMPLE EXAMINATION
(washed)

0 - 5	Overburden - weathered material and greenstone chips.
5 - 10	Overburden - weathered material and weathered greenstone chips.
10 - 15	Greenstone - hard, gray, dense, traces of weathered greenstone (top of bedrock in this interval).
15 - 20	Greenstone - slightly weathered, traces of epidote and quartz.
20 - 25	Greenstone - gray, hard, with minor epidote.
25 - 30	Greenstone - gray, some slightly weathered fragments.
30 - 35	Greenstone - slightly weathered with characteristic brown coating, minor epidote.
35 - 40	Greenstone - slightly weathered, brown coating, minor amounts of epidote and red chert.
40 - 45	Greenstone - gray, hard, with minor epidote.
45 - 50	as above
50 - 55	Greenstone - gray, hard, with minor pyrite.
55 - 60	Greenstone - gray, hard, with minor epidote and pyrite.
60 - 65	Greenstone - gray, hard, with minor epidote.
65 - 70	as above
70 - 75	Greenstone - hard, dense, gray, approaching a rhyolite (X-ray analysis reveals chlorite, amphiboles, quartz, and plagioclase).
75 - 80	as above
80 - 85	as above

85 - 90	as above
90 - 95	Greenstone - hard, gray, with minor epidote.
95 - 100	as above
100 - 105	as above
105 - 110	Greenstone - hard, dense, gray, with minor epidote and red chert veinlets.
110 - 115	Greenstone - hard, gray, with slight increase in amount of red chert veins.
115 - 120	Greenstone - hard, gray, some epidote.
120 - 125	Greenstone - gray, hard, with considerable quartz, epidote, and red chert.
125 - 130	as above
130 - 135	Greenstone - gray, decrease in epidote, quartz, and red chert.
135 - 140	Greenstone - gray, wtih some epidote, quartz, and red chert, traces of light greenish gray phyllite, fairly soft.
140 - 145	Greenstone, hard, considerable greenish gray phyllite, minor epidote and quartz. (X-ray analysis reveals biotite, muscovite, chlorite, quartz, orthoclase feldspar - indicating a rhyolitic nature of the hard greenstone.)
145 - 150	Greenstone - hard, dense, gray.
150 - 155	Greenstone - hard, gray, some red chert and pyrite, some schistose fragments.
155 - 160	as above
160 - 165	Greenstone - gray, hard, slightly coarser, traces of red chert.

165 - 170	Greenstone - gray, hard, with minor epidote, quartz, and red chert.
170 - 175	as above
175 - 180	Greenstone - gray, hard, with minor epidote and red chert.
180 - 185	as above (X-ray analysis reveals chlorite, plagioclase, and epidote.)
185 - 190	Greenstone - hard, dense, gray, with considerable dull red silty phyllite, rhyolitic (X-ray analysis reveals biotite, chlorite, quartz, hematite, plagioclase).
190 - 195	as above
195 - 200	Greenstone - gray, hard, with minor quartz, epidote, and pyrite.
200 - 205	Greenstone - gray, hard, traces of phyllite, quartz, and epidote.
205 - 210	as above
210 - 215	Greenstone - gray, hard, dense, minor quartz, epidote and red chert.
215 - 220	as above
220 - 225	as above
225 - 230	Greenstone - gray, hard, with considerable quartz, epidote, and red chert, trace of dull red phyllite.
230 - 235	Greenstone - gray, with minor quartz.
235 - 240	Greenstone - gray, with trace of dull red phyllitic material.
240 - 245	Greenstone - hard, dense, gray.
245 - 250	as above

GEOLOGIC SUMMARY

Age	Formation or Unit
Pre-Cambrian	Catoctin formation

DIVISION OF MINERAL RESOURCES
Laurence H. Gardner, Geologist
August 31, 1962