

INTERVAL SHEET

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VDMR Well No.: 843 WWCRC # 8

Date 5/16/63

Sample Interval: from 0 to 300

PROP: U.S. Gov't (Hercules Powder Co.)

Total depth 300

COMP: Martin Drilling Co.

Oil Gas Water Exploratory

COUNTY: Montgomery (Radford)

Cuttings Core Other

Washed Samples

From-To	From-To	From-To	From-To	From-To
-	0 - 5	150 - 155	Complete set of	-
-	5 - 10	155 - 160	sampld intervals	-
-	10 - 15	160 - 165	-	-
-	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	295 - 300	-	-

OWNER: U.S. Gov't Defense Dept.
DRILLER: Frank H. Martin Drilling Co.
COUNTY: Montgomery (Radford)

VDMR # 843
WWCR # 8
TOTAL DEPTH : 300

GEOLOGIC LOG

0-5	Dolomite - very light gray, hard, dense, fine grained, silty (top of bedrock in this interval)
5-10	Dolomite - very light gray, hard, dense, fine grained, silty, trace of iron oxide and staining
10-15	As above
15-20	Dolomite - very light gray with some medium gray, hard, dense, fine grained, silty, trace of iron oxide and staining
20-25	Dolomite - very light gray, hard, dense, fine grained, silty, trace of iron oxide and staining
25-30	Dolomite - light gray with some medium gray, hard, dense, fine grained, silty, trace of iron oxide and staining
30-35	As above
35-40	As above
40-45	As above
45-50	Dolomite - light gray with some medium gray, hard, dense, fine grained, silty
50-55	Dolomite - light gray with some medium gray, hard, dense, fine grained, silty, trace of iron oxide and staining
55-60	Dolomite - light gray with some medium gray, hard, dense, fine grained, silty, trace of calcite, iron oxide, and staining
60-65	As above
65-70	Dolomite - medium gray, hard, dense, fine grained, silty, trace of chert, calcite, iron oxide, and staining
70-75	As above
75-80	Dolomite - light gray with some medium gray, hard, dense, fine grained, silty, trace of calcite, iron oxide, and staining
80-85	As above
85-90	As above

90-95	As above
95-100	As above
100-105	Dolomite - medium gray, hard, dense, fine grained, silty, trace of iron oxide and staining (X-ray analysis: 90% dolomite, 8% quartz)
105-110	Dolomite - medium gray, hard, dense, fine grained, silty, trace of iron oxide and staining
110-115	As above
115-120	Dolomite - medium gray, hard, dense, fine grained, silty, trace of calcite, iron oxide, and staining
120-125	Dolomite - light gray with some medium gray, hard, dense, fine grained, silty, heavy trace of calcite, iron oxide, and staining
125-130	As above
130-135	Dolomite - medium gray, hard, dense, fine grained, silty, trace of calcite, iron oxide and staining
135-140	As above
140-150	As above
145-150	As above
150-155	As above
155-160	As above
160-165	As above
165-170	As above
170-175	Dolomite - dark gray, hard, dense, fine grained, silty, argillaceous, trace of calcite, iron oxide, and staining
175-180	As above
180-185	Dolomite - medium to dark gray, hard, dense, fine grained, silty, argillaceous, trace of calcite, iron oxide, and staining
185-190	Dolomite - dark gray, hard, dense, fine grained, silty, argillaceous, trace of calcite, iron oxide, and staining

190-195 As above

195-200 As above

200-205 Dolomite - medium gray, hard, dense, fine grained, very silty, trace of calcite, iron oxide, and staining

205-210 As above (X-ray analysis: 80% dolomite, 15% calcite, 3% quartz)

210-215 Dolomite - medium gray, hard, dense, fine grained, silty, trace of calcite, iron oxide, and staining

215-220 Dolomite - dark gray, hard, dense, fine grained, silty, argillaceous, trace of calcite, iron oxide, and staining

220-225 Dolomite - dark gray with some very light gray, dense, fine grained, very silty and argillaceous, trace of small calcite crystals and vein material, slight trace of iron staining

225-230 Dolomite - medium gray with some very light gray, hard, dense, fine grained, very silty and argillaceous, trace of calcite vein material, heavy trace of iron staining (X-ray analysis: 80% dolomite, 9% calcite, 9% quartz)

230-235 Dolomite - medium gray with some very light gray, hard, dense, fine grained, very silty and argillaceous, trace of calcite vein material, heavy trace of iron staining

235-240 As above

240-245 As above

245-250 Intraformational fault gouge - light yellow, soft, very calcareous, silty, and argillaceous, trace of calcite and iron staining

250-255 Dolomite - dark gray to light yellow, hard, very argillaceous and silty, trace of calcite and iron staining (X-ray analysis: 80% dolomite, 8% clay minerals, 5% calcite, 5% quartz)

255-260 Dolomite - dark gray with some light yellow fragments, hard, very argillaceous and silty, trace of calcite and iron staining

260-265 As above

265-270 As above

270-275 As above

275-280 Dolomitic shale - dark gray with a reddish cast, hard, very silty, slightly calcareous, trace of calcite and

iron staining (X-ray analysis: clay minerals 40%,
dolomite 30%, quartz 20%, calcite 10%)

- 280-285 Dolomitic shale - dark gray with a reddish cast, very silty,
slightly calcareous, trace of calcite and iron
staining
- 285-290 As above
- 290-295 As above
- 295-300 Dolomitic shale - dark gray with a reddish cast and some
light yellow, hard, brittle, very silty,
slightly calcareous, trace of calcite, pyrite,
and some iron staining

GEOLOGIC SUMMARY

AGE

ROCK UNIT

Cambrian

Elbrook dolomite

Virginia Division of Mineral Resources
Merrick S. Whitfield - Geologist
June 4, 1963