

INTERVAL SHEET

WWCR 433

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VDMR Well No.: Well No. 1284

Date 3/23/65

Sample Interval: from 20 to 310

PROP: F. W. Hartman
(Hillendale Sub.)

Total depth 310

COMP: R. Obenchain

Oil Gas Water Exploratory

COUNTY: Roanoke (Medley)

Cuttings Core Other

VDMR Well No: W-1284

Washed samples

From-To	From-To	From-To	From-To	From-To
-	-	0 - 20	No sample	-
-	-	20 - 30		-
-	-	30 - 40		-
-	-	40 - 50		-
-	-	50 - 60		-
-	-	60 - 70		-
-	-	70 - 80		-
-	-	80 - 90		-
-	-	90 - 100		-
-	-	100 - 110		-
-	-	110 - 120		-
-	-	120 - 130		-
-	-	130 - 140		-
-	-	140 - 150		-
-	-	150 - 160		-
-	-	160 - 170		-
-	-	170 - 180		-
-	-	180 - 190		-
-	-	190 - 200		-
-	-	200 - 210		-
-	-	210 - 220		-
-	-	220 - 230		-
-	-	230 - 240		-
-	-	240 - 250		-
-	-	250 - 260		-
-	-	260 - 270		-
-	-	270 - 280		-
-	-	280 - 290		-
-	-	290 - 300		-
-	-	300 - 310		-

OWNER: F. W. Hartman
DRILLER: R. Obenchain
COUNTY: Roanoke

VDMR #1284
WWCR #433
TOTAL DEPTH: 310'

GEOLOGIC LOG

Elbrook Formation (0-150')

- 0-20 No sample.
- 20-30 Limestone and Clay — dark-gray, very-fine-grained limestone, and buff to pale-green calcareous clay; some calcite veins.
- 30-40 Limestone — dark-gray, very-fine-grained, limestone, and light-gray calcilutite, magnesian (limited reaction to 10% acid solution); quartz-carbonate vein material (quartz extensively replaced by carbonate); moderately abundant cubic pyrite (concentrated in, but not restricted to the quartz-carbonate vein material).
- 40-50 As above — but less vein material and less pyrite.
- 50-60 Limestone — dark-gray, very-fine-grained magnesian limestone, locally medium-grained, locally pyritic; light-gray calcilutite, some quartz-carbonate-pyrite vein material.
- 60-70 Limestone — light- to medium-gray calcilutite; less magnesian than in preceding samples; some cubic pyrite.
- 70-80 Limestone — light-gray calcilutite; small amounts of pyrite and yellow, calcareous clay.
- 80-90 Limestone — gray to bluish-gray calcilutite; trace of pyrite (cubic and octahedral).
- 90-100 As above.
- 100-110 Limestone — gray to brownish-gray calcilutite; trace of pyrite (cubic and octahedral).
- 110-120 As above.
- 120-130 As above.
- 130-140 Limestone — light-gray calcilutite; small amount of black, slightly calcareous shale; coarse-grained calcite (vein calcite ?) moderately abundant; some limonite and pyrite.

OWNER: F. W. Hartman

#1284

140-150 Limestone — gray, very-fine-grained; subordinate amount of soft, black, calcareous shale; some vein calcite; small amount of pyrite.

Martinsburg Formation (150-310')

150-160 Limestone — dark-gray, thin-bedded, very-fine-grained, argillaceous; moderately abundant vein calcite; trace of pyrite.

160-170 As above.

170-180 As above.

180-190 As above.

190-200 As above.

200-210 As above.

210-220 As above.

220-230 As above.

230-240 As above.

240-250 As above.

250-260 As above.

260-270 As above.

270-280 As above.

280-290 As above.

290-300 As above.

300-310 As above.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-150	Elbrook Formation	Cambrian
150-310	Martinsburg Formation	Ordovician

Virginia Division of Mineral Resources
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