

INTERVAL SHEET

WWCR 104

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VDMR WELL NO.: Well No. 985

Date 4/10/64

Sample Interval: from 20 to 350

PROP: Va. Dept. of Highways
 U.S. 81 Abingdon Rest Area
 COMP: Drillers Inc.

Total Depth 350

Oil Gas Water Exploratory

COUNTY: Washington (Abingdon)

Cuttings Core Other

VDMR WELL NO: W-985

Washed samples only

From-To	From-To	From-To	From-To	From-To
-	-	0 - 20	No samples	-
-	-	20 - 30		310 - 320
-	-	30 - 40		320 - 330
-	-	40 - 50		330 - 340
-	-	50 - 60		340 - 350
-	-	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: Va. Department of Highways
DRILLER: Drillers Incorporated
COUNTY: Washington (Abingdon)

VDMR #985
WWCR #104
TOTAL DEPTH: 350'

GEOLOGIC LOG

- 0-20 No samples.
- 20-30 Limestone - medium to brownish gray, microcrystalline slightly carbonaceous, extremely small stringers of cryptocrystalline calcite, minor pyrite and siliceous material.
- 30-40 As above.
- 40-50 Limestone - medium to dove gray, microcrystalline, slightly carbonaceous, small cryptocrystalline calcite cleavages and minor pyrite. Some light to medium gray, finely crystalline, slightly siliceous limestone.
- 50-60 Limestone - medium to brownish gray, microcrystalline, slightly carbonaceous, abundant stringers of cryptocrystalline calcite and euhedral pyrite with some blue to gray chert.
- 60-70 Limestone - gray, microcrystalline to cryptocrystalline, highly impure, (some impurities are milky to clear quartz grains, the remainder is extremely fine-grained quartz or dolomite).
- 70-80 Limestone - gray, microcrystalline to cryptocrystalline, relatively pure to extremely impure fragments.
- 80-90 As above.
- 90-100 As above.
- 100-110 Limestone - gray, finely crystalline, and some brownish-gray microcrystalline to cryptocrystalline limestone.
- 110-120 Dolomitic limestone - medium gray, very finely crystalline, finely laminated, carbonaceous, some dark gray chert, and white vein calcite mixed with white vein dolomite.
- 120-130 Limestone - medium to dark gray, very finely crystalline, somewhat laminated, slightly siliceous, with minor white vein calcite.

- 130-140 Limestone - medium to dark gray, very finely crystalline, somewhat laminated, slightly siliceous, with minor white vein calcite, with some minor euhedral pyrite and light gray finely crystalline limestone.
- 140-150 As above.
- 150-160 Limestone - gray, finely crystalline, slightly carbonaceous, with minor white vein calcite.
- 160-170 As above.
- 170-180 Limestone - dove gray, very finely crystalline, with some light gray, finely crystalline, slightly pyritiferous limestone and white, medium to fine grained vein calcite.
- 180-190 Cherty Limestone - medium to dark gray, medium to very finely crystalline, slightly carbonaceous, and pyritiferous limestone, 15 to 20% of sample is black chert.
- 190-200 Limestone - medium to dark gray, medium to very finely crystalline, with some finely crystalline white vein calcite.
- 200-210 Limestone - medium to dark gray, medium to very finely crystalline, with some brown to gray chert.
- 210-220 Limestone - medium to dark gray, medium to very finely crystalline.
- 220-230 Dolomitic Limestone - gray, finely crystalline, laminated, carbonaceous, minor pyrite.
- 230-240 Limestone - gray, finely crystalline, slightly dolomitic, some brown to gray chert.
- 240-250 Limestone - light to medium gray, very finely crystalline.
- 250-260 As above.
- 260-270 As above.
- 270-280 Limestone - gray, finely crystalline, some dove gray, microcrystalline limestone with minor pyrite and white medium crystalline vein calcite.
- 280-290 Dolomitic limestone - medium to dark gray, finely crystalline, with minor white, medium to finely crystalline, vein calcite.

- 290-300 Dolomitic Limestone - medium to dark gray, finely crystalline, with minor white, medium to finely crystalline, vein calcite.
- 300-310 Limestone - dove gray and gray very finely and finely crystalline, limestone with minor white, fibrous vein calcite and occasional carbonaceous stylolites.
- 310-320 As above - with some slickensided fragments, but no fibrous vein calcite.
- 320-330 Limestone - gray, finely crystalline, some laminated fragments and white, finely crystalline vein calcite.
- 330-340 Cherty Limestone - gray, finely crystalline limestone and grayish brown chert with white, finely crystalline vein calcite and minor pyrite.
- 340-350 Limestone - gray and tan, finely crystalline, spots of cryptocrystalline calcite and grayish brown chert and white, medium to finely crystalline vein calcite.

GEOLOGIC SUMMARY

ROCK UNIT

AGE

Conococheague formation

Upper Cambrian

Virginia Division of Mineral Resources
Francis B. Fitzgerald, Geologist
June 17, 1964