

INTERVAL SHEET

WWCR 15

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VDMR Well No.: Well No. 995

Date 4/29/64

Sample Interval: from 0 to 400

PROP: Celanese Corp. of America #9 Total depth 400

COMP: Sydnor Oil      Gas      Water X Exploratory     

COUNTY: Giles (Narrows) Cuttings X Core      Other     

VDMR Well No: W-995

Washed samples - only

From-To	From-To	From-To	From-To	From-To
-	-	0 - 10	290 - 295	No sample -
-	-	10 - 20	295 - 300	-
-	-	20 - 30	300 - 304	-
-	-	30 - 40	304 - 310	-
-	-	40 - 50	310 - 320	-
-	-	50 - 60	320 - 325	-
-	-	60 - 70	325 - 335	No sample -
-	-	70 - 80	335 - 345	-
-	-	80 - 90	345 - 355	-
-	-	90 - 100	355 - 360	-
-	-	100 - 110	360 - 365	-
-	-	110 - 120	365 - 375	No sample -
-	-	120 - 130	375 - 380	-
-	-	130 - 140	385 -	-
-	-	140 - 150	390 - 395	-
-	-	150 - 160	395 - 400	-
-	-	160 - 170	-	-
-	-	170 - 180	No sample	-
-	-	180 - 190	-	-
-	-	190 - 200	-	-
-	-	200 - 210	-	-
-	-	210 - 220	-	-
-	-	220 - 230	-	-
-	-	230 - 240	-	-
-	-	240 - 250	-	-
-	-	250 - 260	-	-
-	-	260 - 270	-	-
-	-	270 - 280	-	-
-	-	280 - 285	-	-
-	-	285 - 290	-	-

OWNER: Celanese Corporation of America  
Fibers Division #9  
DRILLER: Sydnor Pump & Well Company, Inc.  
COUNTY: Giles (Narrows)

VDMR #995  
WWCR # 15  
TOTAL DEPTH:400'

GEOLOGIC LOG

Overburden (0-40')

- 0-10 Overburden (Sand) — light-brown, coarse, angular to rounded, no sorting, minor rounded rock pebbles; ferruginous shales and sandstones; minor mica and hornblende.
- 10-20 Overburden (Gravel and Sand) — medium-brown, dark-gray and white, coarse (fragments of rounded pebbles over 25 mm.) to medium sand, quartz, quartzite, sandstone, fossiliferous, chert, minor hornblende.
- 20-30 As above — no fossils.
- 30-40 Overburden (Gravel) — medium-gray, medium-brown, sub-angular, medium pebbles to coarse and, quartz, quartzite, sandstones.

Copper Ridge Formation (40-400')

- 40-50 Dolomite — light-gray to tan, very-fine-grained; minor oolitic chert.
- 50-60 Dolomite — medium-brownish-gray; medium crystalline, fine-grained, dense; minor chert, quartz and sandstone.
- 60-70 Sandy Dolomite — light medium-brown and gray, coarse-grained, quartz, quartzite, and chert; some of the sand particles are rounded.
- 70-80 Dolomite — light-brown and medium-gray, very-fine-grained, dense and medium crystalline; quartz sand; minor chert and calcite.
- 80-90 As above — less quartz sand.
- 90-100 As above.
- 100-110 As above — still less quartz.
- 110-120 Dolomite — light-gray, fine-grained, medium crystalline; minor quartz, calcite and chert.

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- 120-130 Dolomite — light-gray, fine-grained, medium crystalline; minor quartz, calcite and chert, with veins partially filled by calcite, quartz, and dolomite; porous.
- 130-140 As above — no veins.
- 140-150 Dolomite — medium brownish-gray, medium crystalline, minor fine-grained; white calcite.
- 150-160 As above — light-gray calcite.
- 160-170 Dolomite — light brownish-gray, minor medium-gray, finely crystalline, minor chert and clay.
- 170-180 No sample.
- 180-190 Dolomite — light brownish-gray, minor medium-gray, finely crystalline, minor chert and clay.
- 190-200 Dolomite — light-gray with minor light-brown, very-fine-grained, dense to medium crystalline; minor chert and calcite.
- 200-210 Dolomite — medium light-brownish-gray, fine-grained dense to medium-fine crystalline.
- 210-220 Dolomite — light-gray and medium-gray, fine-grained; dense to medium crystalline; minor chert.
- 220-230 Dolomite — tan and medium-gray, fine-grained, dense and medium crystalline.
- 230-240 Dolomite — light-gray and medium-gray with minor brown stain, fine-grained, dense to medium crystalline, very minor mica.
- 240-250 Dolomite — tan to medium-gray, fine-grained, dense to medium crystalline; minor chert.
- 250-260 As above.
- 260-270 As above.
- 270-280 As above — with minor dark-gray, fine-grained, and dense, dolomite.
- 280-285 Dolomite — medium-gray to tan, medium crystalline, fine and dense-grained; minor chert.
- 285-290 As above — more chert and quartz.
- 290-295 No sample.

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- 295-300 Dolomite — medium-dark-gray, and minor-tan, medium crystalline; minor fine- and dense-grained, minor chert.
- 300-304 As above — more chert.
- 304-310 As above — medium-blue-gray, no tan.
- 310-320 Dolomite — light-gray to medium-gray, fine- and medium-crystallized, minor chert.
- 320-325 As above — with minor calcite.
- 325-335 No sample.
- 335-345 Chert — medium-gray with light-brown, minor oolites, veins and fractures, minor fragments of gray-dolomite.
- 345-355 As above.
- 355-360 As above.
- 360-365 Oolitic Chert — medium-brown and yellow; minor-brown; fine-grained dolomite, clay, iron oxide stain.
- 365-375 No sample.
- 375-380 Oolitic Chert — medium-brown and yellow; minor-brown; fine-grained dolomite, clay, iron oxide stain, darker, less yellow clay.
- 385 As above.
- 390-395 Oolitic Chert — dark-gray and light-gray; light-brown, fine-grained sandstone; buff, calcareous clays; minor light-gray dolomite.
- 395-400 As above — with less clay and minor red-brown sandstone.

GEOLOGIC SUMMARY

<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-40 Overburden	Quaternary
40-400 Copper Ridge Formation	Cambrian

Virginia Division of Mineral Resources  
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