

INTERVAL SHEET

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VDMR WELL NO.: 491

Date 8/1/61

Sample Interval: from 0 to 355

PROP: U. S. Forest Service Sherando Lake #2

Total Depth _____

COMP: Sydnor

Oil _____ Gas _____ Water X Exploratory _____

COUNTY: Augusta

Cuttings X Core _____ Other _____

WASHED SAMPLES

From-To	From-To	From-To	From-To	From-To
0-10	310-	-	-	-
19-	320-	-	Complete set of sampled intervals washed	
30-	330-	-	-	-
40-	340-	-	-	-
50-	355-	-	-	-
	Fill in well material 1 sample			
60-	-	-	-	-
70-	-	-	-	-
80-	-	-	-	-
90-	-	-	-	-
<u>100-</u>	-	-	-	-
110-	-	-	-	-
120-	-	-	-	-
130-	-	-	-	-
140-	-	-	-	-
150-	-	-	-	-
160-	-	-	-	-
170-	-	-	-	-
180-	-	-	-	-
190-	-	-	-	-
<u>200-</u>	-	-	-	-
210-	-	-	-	-
220-	-	-	-	-
230-	-	-	-	-
240-	-	-	-	-
250-	-	-	-	-
260-	-	-	-	-
270-	-	-	-	-
280-	-	-	-	-
290-	-	-	-	-
<u>300-</u>	-	-	-	-

Owner: U. S. Forest Service #2
Driller: Sydnor Pump & Well
County: Augusta

VDMR # 491
WWCR #225
Depth 355'

SAMPLE EXAMINATION
(washed)

0 - 10	Alluvium
19 - 30	Alluvium, traces of phyllite, silvery color, traces of pyrite and quartz (Bedrock estimated at 28 feet)
30 - 40	Phyllite, silvery, micaceous as above
40 - 50	Phyllite as above, traces of pyrite and quartz
50 - 60	As above
60 - 70	As above
70 - 80	As above
80 - 90	As above
90 - 100	As above
100 - 110	As above
110 - 120	Phyllite as above with traces of chlorite and quartz
120 - 130	Phyllite with chlorite as above
130 - 140	As above
140 - 150	As above
150 - 160	As above
160 - 170	Phyllite, considerable amounts of green chlorite
170 - 180	Phyllite with decrease in amount of chlorite
180 - 190	Phyllite as above with slight amount of chlorite & quartz
190 - 200	Phyllite as above
200 - 210	As above
210 - 220	As above, traces of quartzite, dark gray, with chlorite

220 - 230	Quartzite, dark gray-black with chlorite
230 - 240	Quartzite as above with bands of veined quartz
240 - 250	Quartzite, dark gray-black, traces of pyrite and chlorite
250 - 260	As above
260 - 270	As above
270 - 280	As above (Water zone by driller at 272 - 25 gpm)
280 - 290	As above with traces of phyllite, quartz, and chlorite
290 - 300	As above
300 - 310	As above
310 - 320	As above
320 - 330	As above increase in amount of phyllite and chlorite
330 - 340	Quartz fragments, clear-milky, faint rose tinge in clear fragments
340 - 355	Quartzite, dark gray, with traces of clear-milky quartz
355 -	As above - Total Depth

Remarks

We have a self potential, resistivity, and gamma ray log of this hole although there is considerable question as to whether the logs are working correctly. The self potential did pick up the change from phyllite to quartzite. Log TD = 297 feet. Log #52.

VIRGINIA DIVISION OF MINERAL RESOURCES
Laurence H. Gardner II, Geologist
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