

INTERVAL SHEET

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VDMR Well No.: 719 - WWCN No. 189

Date 9/18/62

Sample Interval: from 0 to 440

PROP: Aileen Corp.

Total depth 450

COMP: Sydnor

Oil  Gas  Water  Exploratory

COUNTY: Shenandoah (Woodstock)

Cuttings  Core  Other

From-To	From-To	From-To	From-To	From-To
-	0 - 10	<u>300</u> - 310	-	-
-	10 - 20	310 - 320	-	-
-	20 - 30	320 - 330	-	-
-	30 - 40	330 - 340	Washed samples only	-
-	40 - 50	340 - 350	-	-
-	50 - 60	350 - 360	-	-
-	60 - 70	360 - 370	-	-
-	70 - 80	370 - 380	-	-
-	80 - 90	380 - 390	-	-
-	90 - <u>100</u>	390 - <u>400</u>	-	-
-	100 - 110	400 - 410	-	-
-	110 - 120	410 - 420	-	-
-	120 - 130	420 - 430	-	-
-	130 - 140	430 - 440	-	-
-	140 - 150	Missing	-	-
-	150 - 160	-	-	-
-	160 - 170	-	-	-
-	170 - 180	-	-	-
-	180 - 190	-	-	-
-	190 - <u>200</u>	-	-	-
-	200 - 210	-	-	-
-	210 - 220	-	-	-
-	220 - 230	-	-	-
-	230 - 240	-	-	-
-	240 - 250	-	-	-
-	250 - 260	-	-	-
-	260 - 270	-	-	-
-	270 - 280	-	-	-
-	280 - 290	-	-	-
-	290 - 300	-	-	-

OWNER: Aileen Corporation  
DRILLER: Sydnor Pump & Well Company  
COUNTY: Shenandoah (Woodstock)

VDMR# 719  
WWCR# 189  
TOTAL DEPTH: 450

SAMPLE DESCRIPTION  
(washed)

0-10	Quartz sand - white and pink, fine to very coarse grained, subrounded, 50% iron stained
10-20	Quartz sand and gravel - white, pink, yellow, brown, and black, fine to very coarse grained, subrounded, heavy trace of small quartz crystals and iron staining
20-30	Clay - orange to yellow, soft, heavy trace of medium grained, subrounded, milky quartz grains, trace of chert, sericite, and iron oxide
30-40	As above
40-50	Clay - orange to white, soft, sericitic, heavy trace of medium grained, subrounded, milky quartz grains, trace of iron oxide
50-60	As above
60-70	As above
70-80	Clay - orange, white and brown, moderately hard, silty, trace of iron oxide and sericite
80-90	Shale - dark gray, soft, heavy trace of iron oxide, faint trace of sericite (Top of Bedrock in this interval)
90-100	Shale - medium gray, hard, trace of iron oxide
100-110	Shale - medium gray, hard, brittle, trace of calcite vein material
110-120	As above
120-130	Shale - medium gray, hard, brittle, trace of calcite vein material and pyrite

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130-140	Shale - medium gray, hard, brittle, trace of calcite vein material
140-150	Shale - medium gray, hard, brittle, trace of calcite vein material and pyrite
150-160	Shale - medium gray, hard, brittle, trace of calcite vein material
160-170	As above
170-180	Shale - medium gray, hard, brittle, trace of calcite vein material
180-190	Shale - medium gray, hard, brittle, heavy trace of calcite vein material, trace of pyrite
190-200	Shale - medium gray, hard, brittle, heavy trace of calcite vein material
200-210	Shale - medium gray, hard, brittle, some pieces slightly calcareous
210-220	As above
220-230	As above
230-240	As above
240-250	Shale - medium gray, hard, brittle, slightly calcareous, trace of pyrite
250-260	As above
260-270	As above
270-280	As above
280-290	As above
290-300	As above
300-310	Shale - medium gray, hard, brittle, slightly calcareous, trace of calcite vein material

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310-320	Shale - medium gray, hard, brittle, slightly calcareous, trace of calcite vein material and pyrite
320-330	As above
330-340	As above
340-350	As above
350-360	As above
360-370	As above
370-380	As above
380-390	As above
390-400	As above
400-410	As above
410-420	As above
420-430	Shale - medium gray, hard, brittle, slightly calcareous, trace of calcite vein material
430-440	Shale - medium gray, hard, brittle, slightly calcareous, heavy trace of calcite vein material
440-450	No sample

#### GEOLOGIC SUMMARY

<u>AGE</u>	<u>FORMATION OR UNIT</u>
Ordovician	Martinsburg shale

Virginia Division of Mineral Resources  
Merrick S. Whitfield - Geologist  
October 15, 1962