

INTERVAL SHEET

Page 1 of 1

VDMR Well No: 1921

Date rec'd: 8/1/67

Sample Interval: from 0' to: 440'

PROP: Moseley and Nash

Number of samples: 42

COMP: Moseley and Nash

Total Depth: 440'

COUNTY: Prince George (Petersburg)

Oil or Gas: Water: ^X Exploratory:

From-To	From-To	From-To	From-To
0 - 30	320 -330	-	-
30 - 40	330 -340	-	-
40 - 50	340 -350	-	-
50 - 60	350 -360	-	-
60 - 70	360 -370	-	-
70 - 80	370 -380	-	-
80 - 90	380 -390	-	-
90 - 100	390 -400	-	-
100 - 110	400 -410	-	-
110 - 120	410 -420	-	-
120 - 130	420 -430	-	-
130 - 140	430 -440	-	-
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	-	-	-
310 - 320	-	-	-

No washed samples

OWNER: Moseley and Nash
DRILLER: E. N. Hollar
COUNTY: Prince George (Petersburg)

VDMR: 1921
WWCR: 164
TOTAL DEPTH: 440'

GEOLOGIC LOG

Depth in feet

COLUMBIA GROUP (0-60')

- 0-30 Sand - moderately abundant matrix of orange-brown clay, 10% granule gravel; fine- to very coarse-grained, poorly sorted, angular to subrounded; slightly feldspathic
- 30-40 Sand - clayey (orange-brown clay); fine- to medium-grained, moderately sorted, angular; clear quartz; minor feldspar and magnetite; trace of glauconite

40-50 " "

50-60 " "

60-65 Mattaponi Formation
PATUXENT FORMATION (60-90')

- 5*
60-70 Sand and Gravel - gray, slightly clayey; 30% fine gravel (2-10 mm); 70% medium- to very coarse-grained, rather poorly-sorted, subangular to rounded sand; very feldspathic; minor garnet; a very few phosphoritic nodules and plant fragments; a few fragments of olive-green clay with clear quartz sand and phosphatic fragments
- 70-80 " 50% gravel, 50% sand
- 80-90 " 40% gravel (mostly granules), 60% sand

NEWARK GROUP (90-440')

- 90-100 Sand - very abundant matrix of variegated clay, dominantly light grayish-green (decomposed feldspar); 5-10% very fine gravel; coarse, arkosic; a few plant fragments; minor pyrite
- 100-110 Clay and Sand - pale greenish-gray to white clay and some brick-red clay; sand is coarse, poorly sorted; feldspathic; green clay is alteration product of feldspar

OWNER: Moseley and Nash

#1921

- 110-120 Clay and Sand - brick-red clay and some pale-greenish-gray clay; sand is coarse, poorly sorted; feldspathic; green clay is alteration product of feldspar; traces of granular hematite, weathered biotite, garnet, and plant material
- 120-130 Clayey-Silty Sand - reddish-brown, very poorly sorted (clay to pebble size), very poorly consolidated, non-calcareous; angular to subangular sand-size grains of quartz, mica and weathered feldspar; rounded-to-angular pebble-size grains of quartz and gneiss; minor silt and clay; red-brown iron-oxide coating on all grains
- 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 "

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#1921

- 300-310 Clayey-Silty Sand - reddish-brown, very poorly sorted (clay to pebble size), very poorly consolidated, non-calcareous; angular to subangular sand-size grains of quartz, mica and weathered feldspar; rounded-to-angular pebble-size grains of quartz and gneiss; minor silt and clay; red-brown iron-oxide coating on all grains
- 310-320 "
- 320-330 "
- 330-340 "
- 340-350 "
- 350-360 "
- 360-370 Sand - reddish brown, arkosic, slightly calcareous; fine- to medium-grained, poorly sorted, angular to subangular; quartz, feldspar and mica, with minor amount of granite fragments and very small, rounded fragments of opaque heavy minerals; some iron-oxide stains
- 370-380 "
- 380-390 "
- 390-400 "
- 400-410 "
- 410-420 "
- 420-430 "
- 430-440 " with minor amounts of silt and clay; a few fragments of poorly-consolidated, reddish-brown, clayey, silty, arkosic sandstone

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-60	Columbia Group	Pleistocene
60-90	Patuxent Formation	Early Cretaceous
90-440	Newark Group	Triassic

60-65 Mattaponi Formation

Virginia Division of Mineral Resources
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