

INTERVAL SHEET

WWCR 462

Page 1

VDMR Well No.: Well No. 980

Date 3/31/64

Sample Interval: from 0 to 145

PROP: U. S. Forest Service  
 "Blue Hole" Rec. Area  
 COMP: Sydnor Pump & Well Co.  
 COUNTY: Rockingham (Bergton)

Total depth 147  
 Oil      Gas      Water X Exploratory       
 Cuttings X Core      Other     

VDMR Well No: W-980

Washed samples - only

From-To	From-To	From-To	From-To	From-To
-	-	0 - 5	-	-
-	-	5 - 10	-	-
-	-	10 - 15	-	-
-	-	15 - 20	-	-
-	-	20 - 25	-	-
-	-	25 - 30	-	-
-	-	30 - 35	-	-
-	-	35 - 40	-	-
-	-	40 - 45	-	-
-	-	45 - 50	-	-
-	-	50 - 55	-	-
-	-	55 - 60	-	-
-	-	60 - 65	-	-
-	-	65 - 70	-	-
-	-	70 - 75	-	-
-	-	75 - 80	-	-
-	-	80 - 85	-	-
-	-	85 - 90	-	-
-	-	90 - 95	-	-
-	-	95 - 100	-	-
-	-	100 - 105	-	-
-	-	105 - 110	-	-
-	-	110 - 115	-	-
-	-	115 - 120	-	-
-	-	120 - 125 No sample	-	-
-	-	125 - 130	-	-
-	-	130 - 135	-	-
-	-	135 - 140	-	-
-	-	140 - 145	-	-
-	-	145 - 147 No sample	-	-

OWNER: U. S. Forest Service  
Blue Hole Recreation Area  
DRILLER: Sydnor Pump & Well Co., Inc.  
COUNTY: Rockingham

VDMR #980  
WWCR #462  
TOTAL DEPTH: 147'

GEOLOGIC LOG

Overburden (0-10')

- 0-5 Overburden — predominately angular to subangular milky quartz fragments, and impure, fine-grained, sandstone, iron oxide may act as cementing agent; mica (biotite, and muscovite).
- 5-10 As above — increase of sandstone.

Chemung Formation (10-145')

- 10-15 Sandstone and Siltstone — 40 to 50% gray, non-calcareous, fine-grained siltstone; 30% tan-brown, medium-fine-grained, slightly impure sandstone, composed of well rounded, milky quartz, pebbles (up to 10 mm); few fragments of green shale; fragments of a small, medium ribbed brachiopod.
- 15-20 As above — but lacking fossil fragments and pebbles.
- 20-25 Siltstone and Sandstone — 70% gray, fine-grained, non-weathered, sandy siltstone; 5 to 10% green, shaly siltstone; 15 to 20% tan-brown, impure, fine-grained sandstone (partially pebble conglomerate).
- 25-30 Siltstone — gray, fine-grained, non-calcareous.
- 30-35 Siltstone — gray, fine grained, non-calcareous; minor green, shaly, siltstone; quartz fragments.
- 35-40 As above.
- 40-45 Siltstone and Sandstone — 80% gray, fine-grained, non-calcareous; 20% brown fine-grained, impure, rounded sandstone, and yellow, friable, impure sandstone.
- 45-50 Sandstone — gray, slightly impure, fine-grained, angular; milky to clear quartz; mica flakes, pyrite.
- 55-60 As above.
- 60-65 As above.
- 65-70 Siltstone — gray, fine-grained, minor pyrite and mica.
- 70-75 Siltstone — gray, fine-grained.

OWNER: U. S. Forest Service (Blue Hole Recreation Area) #980

- 75-80 Siltstone — gray, fine-grained.
- 80-85 Siltstone — gray, fine-grained, minor pyrite; slightly carbonaceous.
- 85-90 Siltstone and Sandstone — gray, fine-grained siltstone, gray, fine-grained, impure sandstone.
- 90-95 Siltstone — gray, fine-grained.
- 95-100 As above.
- 100-105 As above.
- 105-110 Siltstone — gray, fine-grained; minor gray, sandy siltstone or impure sandstone; minor pyrite.
- 110-115 As above.
- 115-120 Siltstone — gray, fine-grained; minor gray, sandy siltstone or impure sandstone.
- 120-125 No sample.
- 125-130 Siltstone — gray, fine-grained; minor gray, sandy siltstone, or impure sandstone.
- 130-135 Siltstone — gray, fine-grained; minor sandy layer; minor fragments, black sandstone.
- 135-140 As above.
- 140-145 Siltstone — gray, fine-grained, siltstone; light to medium gray, sandy siltstone; and a dark-gray to black, medium- to fine-grained, sandstone.
- 145-147 No sample.

GEOLOGIC SUMMARY

<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-10 Overburden	Quaternary
10-145 Chemung Formation	Devonian
145-147 No sample	

Virginia Division of Mineral Resources  
Francis B. Fitzgerald, Geologist  
June 1, 1964