INTERVAL SHEET

WWCR 26

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Date 12/17/63

PROP: Mrs. Alan Hirsh

COMP: Sydnor

COUNTY: Bath (Hot Springs)
VDMR Well No: W-932

VDMR Well No.: Well No. 932

Sample Interval: from 5 to 258

Total depth 268

Oil ___ Gas ___ Water X Exploratory ___

Cuttings X Core ___ Other ___
Washed samples - only

From-To	From-To	From-To	From-To	From-To
-	-	5 -	-	-
-	-	9 -	-	-
-	-	12 -	-	-
-	-	45 -	-	-
-	-	50 -	-	-
-	-	63 -	-	-
-	-	78 -	-	-
-	-	93 -	-	-
-	-	108 -	-	-
-	-	123 -	-	-
-	-	138 -	-	-
-	-	153 -	-	-
-	-	168 -	-	-
-	-	183 -	-	-
-	-	198 -	-	-
-	-	213 -	-	-
-	-	228 -	-	-
-	-	243 -	-	-
-	-	258 -	-	-
-	-	258 - 268 No sample	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

OWNER: Mrs. Alan Hirsh (Folly Farm) VDMR #932
DRILLER: Sydnor Pump and Well Co., Inc. WWCR #26
COUNTY: Bath (Hot Springs) TOTAL DEPTH: 268'

GEOLOGIC LOG

Needmore Shale

5	Shale — medium-dark-gray to pale-orange-brown, soft, fissile; minor sandstone; very-pale-pink- to cream, angular, fine-grained sandstone, and dark-reddish-gray, poorly sorted, angular to rounded ferruginous sandstone; trace lamina red hematite.

Oriskany Sandstone (9-78')

9	Ferruginous Sandstone — brownish-black, fine- to coarse-grained sand; frequently shows authigenic overgrowth; iron oxide cement and grain coating; minor light-cream-colored sandstone with clay silica cement; minor vein calcite; trace pyrite.
12	Pebble Conglomerate — medium- to dark-yellow-brown, fine sand to fine pebbles of quartz; larger elements rounded, the finer sands show authigenic growth; trace shale; minor dark sandstone as above; this interval is very porous and may be a leached portion of the ferruginous sandstone.
45	Sandstone — nearly white to medium-gray, fine- to very-coarse-grained, angular with authigenic growth; calcite and silica cement; minor carbonaceous material; leached in part, friable.
50	As above — not leached and friable.
63	As above — leached in part.
78	As above — more carbonaceous material.

Upper Licking Creek Limestone (93-183')

93	Arenaceous Limestone — medium-light-gray, aphanogranular to very coarsely crystalline; abundant fine-grained quartz sand with authigenic overgrowth; minor porous, yellow-brown sandstone lamina; brachiopods common.
108	As above — with vein quartz; trace claystone lamina.
123	As above — no veins; quartz sparse and euhedral.
138	Arenaceous Limestone — medium- to dark-gray; coarsely crystalline to aphanogranular; the fine-grained dark portion contains abundant microcrystalline pyrite (pellets ?); minor chert; sand abundant in coarsely crystalline portion; fossil brachiopods common.

OWNER: Mrs. Alan Hirsh (Folly Farm) #932

153 Arenaceous Limestone — medium-dark- to dark-gray; coarsely crystalline to aphanogranular; the fine-grained, dark portion contains abundant microcrystalline pyrite (pellets ?); minor chert; sand abundant in coarsely crystalline portion; fossil brachiopods common.

168 As above — lighter.

183 As above — darker.

Lower Licking Creek Limestone (198-258')

198 Cherty Dolomite — dark-gray, very-fine-grained dolomite and chert with minor calcite; chert nodules common; abundant dusty pyrite; minor cream-colored, coarse-grained, calcareous sandstone.

213 As above — with white calcite veins, no sandstone.

228 As above — some veins are open and contain euhedral calcite.

243 As above — no euhedral calcite.

258 As above — no vein calcite.

258-268 No sample.

GEOLOGIC SUMMARY

	ROCK UNIT	TIME ROCK UNIT
5	Needmore Shale	Middle Devonian
9-78	Oriskany Sandstone	Lower Devonian
93-183	Upper Licking Creek Limestone	Lower Devonian
198-258	Lower Licking Creek Limestone	Lower Devonian
258-268	No sample	

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
May 14, 1965