INTERVAL SHEET

WWCR 326

Page 1

VDMR Well No: Well No. 1190

Date 11/25/64

Sample Interval: from 0 to 256

PROP: J. A. Smith - Well #2

Total Depth 256

COMP: Sydnor Pump & Well Co.

Oil ___ Gas ___ Water X Exploratory ___

COUNTY: Augusta (Staunton)

Cuttings X Core ___ Other ___

VDMR Well No: W-1190

Washed samples

| From-To | From-To | From-To | From-To | From-To |
|---|---|---|---|---|
| - | - | 0 - 35 | - | - |
| - | - | 35 - 50 | - | - |
| - | - | 50 - 65 | - | - |
| - | - | 65 - 80 | - | - |
| - | - | 80 - 95 | - | - |
| - | - | 95 - 110 | - | - |
| - | - | 110 - 125 | - | - |
| - | - | 125 - 140 | - | - |
| - | - | 140 - 155 | - | - |
| - | - | 155 - 170 | - | - |
| - | - | 170 - 185 | - | - |
| - | - | 185 - 200 | - | - |
| - | - | 200 - 215 | - | - |
| - | - | 215 - 230 | - | - |
| - | - | 230 - 245 | - | - |
| - | - | 245 - 256 | - | - |
| - | - | - | - | - |
| - | - | - | - | - |
| - | - | - | - | - |
| - | - | - | - | - |
| - | - | - | - | - |
| - | - | - | - | - |
| - | - | - | - | - |
| - | - | - | - | - |
| - | - | - | - | - |
| - | - | - | - | - |
| - | - | - | - | - |
| - | - | - | - | - |
| - | - | - | - | - |
| - | - | - | - | - |
| - | - | - | - | - |

OWNER: Joseph A. Smith - Well #2 VDMR #1190
(Cherry Hill Farm) WWCR #326
DRILLER: Sydnor Pump and Well Co., Inc. TOTAL DEPTH: 256'
COUNTY: Augusta (Staunton)

## GEOLOGIC LOG

| | |
|---|---|
| 0-35 | Weathered Limestone — pale-orange to medium brown-gray, very fine-grained; minor sand, siliceous laminae, vein quartz and calcite. |
| 35-50 | Dolomitic Limestone — light- to medium-gray, aphanogranular to finely crystalline, argillaceous, siliceous, trace of hematite stain. |
| 50-65 | Weathered Vein Calcite — pale orange-brown, massive, with vein quartz and minor limestone as above. |
| 65-80 | As above. |
| 80-95 | Dolomitic Limestone — light-gray, fine-grained with abundant cream-colored mylonitized limestone, sugary to sparry vein calcite, and sugary vein quartz; minor goethite after pyrite pseudomorphs. |
| 95-110 | Dolomite — light-gray, fine to medium-crystalline, bedded, siliceous, minor pyrite and goethite after pyrite pseudomorphs; trace of limonite weathering stain. |
| 110-125 | As above — more limonite stain. |
| 125-140 | Dolomite — medium dark-blue-gray, very fine-grained, argillaceous and massive; minor orange-colored calcareous mudstone and cream-colored vein calcite. |
| 140-155 | Siltstone — light orange-brown, bedded; porous, argillaceous, partly calcareous. |
| 155-170 | As above — with abundant medium-gray; fine-grained, massive, argillaceous dolomite. |
| 170-185 | As above — less dolomite, moderate orange-colored vein calcite. |
| 185-200 | Limestone and Dolomite — light- to medium-gray, fine-grained; abundant pale orange-cream vein calcite and minor siltstone as above. |
| 200-215 | Dolomite — medium light-gray, fine-grained with white dolomite veins; abundant pale orange-cream siltstone and vein calcite. |

OWNER: Joseph A. Smith - Well #2 (Cherry Hill Farm) #1190

| | |
|---|---|
| 215-230 | Dolomite — medium dark-gray, finely-crystalline with white dolomite veins; minor siltstone and vein calcite as in above. |
| 230-245 | As above — with more pale-orange vein calcite and siltstone. |
| 245-256 | As above — with less siltstone and vein calcite. |

## GEOLOGIC SUMMARY

| ROCK UNIT | TIME ROCK UNIT |
|---|---|
| Elbrook Formation | Cambrian |

The orange vein calcites and siltstones may be due to the proximity of the rocks penetrated by this well to the Staunton Fault (associated fracturing, calcite deposition, and leaching).

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
December 20, 1965