

INTERVAL SHEET

WWCR 145

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VDMR Well No.: Well No. 1231

Date 1/20/65

Sample Interval: from 0 to 120

PROP: Dow Chemical Co. Well #2
(James River Plant)

Total depth 120

COMP: Sydnor P & W Co.

Oil Gas Water Exploratory

COUNTY: James City

Cuttings Core Other

VDMR Well No: W-1231

From-To

From-To

From-To

From-To

From-To

- 0 - 10
- 10 - 20
- 20 - 30
- 30 - 40
- 40 - 50

No washed samples
- -
- -
- -
- -
- -

- 50 - 60
- 60 - 70
- 70 - 80
- 80 - 90
- 90 - 100

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- -
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- 100 - 110
- 110 - 120

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OWNER: Dow Chemical Company
(James River Division - Well #2)
DRILLER: Sydnor Pump & Well Company, Inc.
COUNTY: James City

VDMR #1231
WWCR #145
TOTAL DEPTH: 120'

GEOLOGIC LOG

- 0-10 Sandy Clay — gray, mottled-yellow-brown (limonitic); sand poorly sorted; glauconitic; some shell fragments and plant remains.
- 10-20 Sand — brown; argillaceous; very ferruginous; fine- to very-coarse-grained, poorly sorted; slightly arkosic; glauconitic; some muscovite; a few grains of phosphorite; goethitic-limonitic material acts as binder for much of the sand and, in some cases, forms microconcretionary bodies; scattered pelecypod shell fragments and plant remains.
- 20-30 Sand — gray, speckled brown; consists of two components: — a fine- to medium-grained, well-sorted, angular to subrounded quartz sand; and a considerable increment of the poorly sorted, ferruginous sand that occupies the 10-20' interval; abundant microconcretionary pyrite; very slightly arkosic; slightly glauconitic; small amounts of fresh, green hornblende, muscovite, and phosphorite; traces of garnet, epidote, chlorite, and kyanite; scattered pelecypod shell fragments.
- 30-40 Sandy Clay — gray; sand fine- to very-coarse-grained, poorly sorted, subangular to subrounded; slightly glauconitic; small amounts of pyrite and phosphorite; trace of muscovite; scattered shell fragments and plant remains.
- 40-50 As above.
- 50-60 Sandy Clay — gray and buff; sand poorly sorted; small amounts glauconite, phosphorite, and iron oxides; scattered shell fragments and plant remains.
- 60-70 As above.
- 70-80 Sand — gray; very slightly argillaceous; medium- to very-coarse-grained, fairly well sorted, angular to subangular; very slightly arkosic; scattered grains of glauconite; traces of muscovite, garnet, and hornblende.
- 80-90 Sandy Clay — gray; sand very poorly sorted; slightly glauconitic and limonitic.

OWNER: Dow Chemical Company (James River Div. - Well #2) #1231

90-100 Sand — gray; very slightly argillaceous and silty; coarse-grained, well sorted, angular to subrounded; slightly arkosic; scattered grains of glauconite and phosphorite and green hornblende; traces of epidote and garnet.

100-110 As above.

110-120 As above.

GEOLOGIC SUMMARY

ROCK UNIT

TIME ROCK UNIT

Chesapeake Group
(St. Marys Formation ?)

Miocene

Virginia Division of Mineral Resources
Robert H. Teifke, Geologist
February 5, 1965