

INTERVAL SHEET

WWCR 293

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VDMR WELL NO.: Well No. 1166

Date 10/28/64

Sample Interval: from 0 to 320

PROP: Hancock Subdivision

Total Depth 320

COMP: Falwell

Oil Gas Water Exploratory

COUNTY: Campbell (Lynchburg)

Cuttings Core Other

VDMR WELL NO: W-1166

Washed samples

From-To	From-To	From-To	From-To	From-To
-	-	0 - 10	300 - 310	-
-	-	10 - 20	310 - 320	-
-	-	20 - 30	-	-
-	-	30 - 40	-	-
-	-	40 - 50	-	-
-	-	50 - 60	-	-
-	-	60 - 70	-	-
-	-	70 - 80	-	-
-	-	80 - 90	-	-
-	-	90 - 100	-	-
-	-	100 - 110	-	-
-	-	110 - 120	-	-
-	-	120 - 130	-	-
-	-	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	-	-

OWNER: Mrs. L. C. Hancock (Hancock Subdivision)
DRILLER: Falwell Well Corporation (T. T. Pauley)
COUNTY: Campbell (Lynchburg)

VDMR #1166
WWCR #293
TOTAL DEPTH: 320'

GEOLOGIC LOG

- 0-10 Sand - medium pinkish-brown, medium grained, iron stained, quartz, mica magnetite.
- 10-20 Sand - medium reddish-brown, medium grained, iron stained, quartz, iron oxides, clay, mica, and magnetite.
- 20-30 Sand - light brown, medium grained, mica, quartz, feldspar, magnetite, some general iron stain.
- 30-40 As above.
- 40-50 As above - with biotite, and amphibole.
- 50-60 As above.
- 60-70 As above - with some pieces of gneiss.
- 70-80 As above.
- 80-90 Gneiss - medium gray, medium grained, biotite, plagioclase, pyroxene, quartz, and muscovite, garnet, pyrite, and magnetite are important minor minerals, (top of bedrock in this interval).
- 90-100 Amphibolite - dark gray, slightly greenish with brown areas, medium to fine grained, amphibole (probably barroisite), biotite, plagioclase, pyroxene, and epidote, iron staining and alteration on the fractures, minor pyrite.
- 100-110 As above.
- 110-120 As above - almost black, no alteration on fractures.
- 120-130 Gneiss - medium-light gray, medium to fine grained, biotite, muscovite, plagioclase, quartz, minor hornblende, chlorite, epidote, pyroxene, pyrite, some amphibolite fragments.
- 130-140 As above - with no amphibolite, with garnet and a quartz-epidote vein.
- 140-150 As above - no vein epidote or garnet.

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- 150-160 Gneiss - medium-light gray, medium to fine grained, biotite, muscovite, plagioclase, quartz, minor hornblende, chlorite, pyroxene, and pyrite.
- 160-170 Gneiss - light gray, medium to fine grained, minerals slightly segregated into light and dark layers, biotite, muscovite, plagioclase, quartz, minor hornblende, pyrite, pyroxene, and magnetite.
- 170-180 As above.
- 180-190 As above - some mica layers have crenulations.
- 190-200 Gneiss - light gray, medium to fine grained, muscovite, biotite, plagioclase, quartz, pyroxene, minor hornblende, and vein quartz.
- 200-210 As above - no vein quartz.
- 210-220 As above - with minor garnet and pyrite.
- 220-230 As above - no garnet and more muscovite.
- 230-240 As above - minor oxidation.
- 240-250 Gneiss - medium gray, medium grained, biotite, plagioclase, muscovite, quartz, hornblende, pyroxene, minor pyrite, and chlorite (in a quartz vein).
- 250-260 As above - with graphitic muscovite.
- 260-270 As above - no graphitic muscovite.
- 270-280 As above - hornblende increases.
- 280-290 Gneiss - laminated dark and light gray, medium to fine grained, biotite, muscovite, plagioclase, quartz, hornblende, pyroxene, and vein quartz.
- 290-300 As above - colors less segregated and with magnetite.
- 300-310 As above.
- 310-320 As above.

OWNER: Mrs. L. C. Hancock (Hancock Subdivision)

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GEOLOGIC SUMMARY

ROCK UNIT

AGE

Lynchburg Formation

Precambrian

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
November 6, 1964