

4

VDMR WELL NO. 0180
Sample Interval 100-2325
Total Depth 2325

Oil ___ Gas ___ Water Exploratory ___

Cuttings Core ___ Other ___

See Circular 3 p. 47

Sheet No. 1

PROP: ELKINS OIL & GAS
MATHews COURT HOUSE
COUNTY: MATHEWS
VDMR WELL NO: 0180
FROM: TO:

From-To	From-To WASHED AND FLOATED SAMPLES	From-To	From-To	From-To
100 - 101 12		-	-	-
490 - 500 76		-	-	-
865 - 878 26	490 - 500	-	-	-
895 - 902 28	1050 - 1058 41	-	-	-
1110 - 1122 20	1400 - 16	-	-	-
1335 - 1342 29	-	-	-	-
1555 - 1570 40	-	-	-	-
1680 - 1720 231	-	-	-	-
1720 - 1805 60	-	-	-	-
1805 - 1870 13	-	-	-	-
2066 - 2085 25	-	-	-	-
2085 - 2175 24	-	-	-	-
2236 - 2240 51	-	-	-	-
2265 - 2268 22	-	-	-	-
2307 - 2313 21	-	-	-	-
2313 - 2318 35	-	-	-	-
2318 - 2320 40	-	-	-	-
2320 - 2325 21	-	-	-	-
-	-	-	-	-

OWNER: Elkins Oil and Gas
DRILLER:
COUNTY: Matthews Co. (Town of Matthews)

VDMR # 0180
WWCR # 4
Depth: 2325'

SAMPLE EXAMINATION
(washed)

100-106 Sandstone, white, fine to medium grained, cemented with calcareous clay, poor porosity

490-500 Sand, quartz, clear to frosted, fine to medium grained, angular to subangular. With shell fragments and glauconite

865-875 Sand, subangular to rounded, fine to medium grained interbedded with gray brown silty clay

895-903 Sand, quartz, clear to frosted, fine to coarse grained, abundant green to black glauconite. Minor limestone white, dense, glauconitic

1050-1058 Limestone dense, white to gray, hard, sandy, glauconitic

1110-1122 Sandstone, glauconitic, green to black, rounded, calcareous cement

1333-1343 Sand, white, very fine to fine grained. Clear to frosted, some quartz iron stained

1395-1402 As above no iron stain

1555-1570 Sand, as above, cemented in part with white clay

1680-1720 Sand, medium grained to gravel size, rounded, clear to frosted

1720-1807 Sand, fine grained, white subangular to rounded

1807-1870 Clay, brown, silty, sandy, minor amount limestone, hard, dense glauconitic

1870-1877 Sand, fine to coarse grained, angular to subangular

2065-2175 Sandstone, fine to coarse grained, argillaceous, loosely consolidated, occasionally conglomeratic, subangular. One round pebble of jasper?

2235-2240 Sandstone, poorly consolidated, argillaceous with imbedded large quartz grains

2265-2270 As above with inclusions of varicolored unidentified minerals
PRE-CRETACEOUS GRANITE
2307-2313 Granite wash or arkose, hard, vitreous
2313-2320 Weathered basement rock, pink and green
2320-2325 Granite, hard, crystalline, white to gray

GEOLOGIC SUMMARY

Miocene	Chesapeake Gp.	?
Eocene	Pamunkey Gp.	?
Cretaceous	Potomac Gp.	? to 2307
Pre Cret.?	Granite	2307- 2325

REMARKS

Insufficient samples to pick boundaries of younger formations.
see V.G.S.Circular No. 3

VIRGINIA DIVISION OF MINERAL RESOURCES
William Dudley
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