

Sheet No. 1

PROP: T. A. TREAKLE (1946)
MP: MITCHELLS WELL & PUMP
COUNTY: LANCASTER
@ PALMER
VDMR WELL NO: 0189
FROM: TO:

VDMR WELL NO. 0189

Sample Interval 198-740

(13)

Total Depth 824(?)

Oil ___ Gas ___ Water Exploratory ___

Cuttings Core ___ Other ___

~~See Circular 3 p. 25 (?)~~
See Sumnott's Manuscript on
Wells in Northern Neck - Table 4

From-To WASHED SAMPLES	From-To	From-To	From-To	From-To
	260-295 ¹⁰⁰	-	-	-
198-250 ⁶¹	295-325 ⁵⁴	-	-	-
359-384 ⁵⁹	325-359 ⁴⁹	-	-	-
450-457 ⁶⁹	359-384 ⁷³	-	-	-
457-475 ¹⁶⁷	384-420 ²⁵	-	-	-
475-500 ¹¹⁰	420-450 ⁴⁰	-	-	-
500-525 ⁷⁶	450-457 ⁷⁰	-	-	-
525-550 ¹⁶⁹	457-475 ⁶⁹	-	-	-
550-575 ¹⁶⁹	475-500 ⁷⁸	-	-	-
575-600 ⁹⁰	500-525 ¹²⁶	-	-	-
600-625 ⁷⁸	525-550 ¹⁶⁹	-	-	-
625-650 ⁸⁶	550-575 ¹⁰³	-	-	-
650-675 ¹⁰⁷	575-600 ¹⁶⁸	-	-	-
675-700 ⁴³	600-625 ¹⁰⁰	-	-	-
700-725 ²¹	625-650 ⁹⁶	-	-	-
725-740 ⁸⁶	650-675 ¹³⁰	-	-	-
-	675-700 ¹⁰⁰	-	-	-
-	700-725 ⁸⁷	-	-	-
-	-	-	-	-

OWNER: T. A. Treakle
DRILLER: Mitchell's Well and Pump Co.
COUNTY: Lancaster Co. (Town of Palmer)

VDMR # 0189
WWCR # 13
Depth: 824'

SAMPLE EXAMINATION
(washed)

198-250 Sand, white, very fine to fine grained, angular

250-260 No sample

260-320 Clay, gray-tan, firm, silty with imbedded shell fragments

320-360 Clay, gray brown, firm, sandy

360-384 Sand, fine to coarse grained, angular, cemented in part with brown, calcareous clay. With foraminifera and shell fragments

384-420 Clay, tan, hard, slightly calcareous, sandy, slightly pyritic

420-450 Clay, brown, sandy, glauconitic, abundant foraminifera and shell fragments

450-475 Clay, yellow, very calcareous, abundant glauconite, sand, gravel and shell fragments

475-500 Sand, medium to coarse grained, glauconitic, subangular, with abundant tan to yellow clay and shell fragments

500-520 Sand, fine to medium grained, glauconitic, clean, few shell fragments

520-600 Sand, quartz and glauconite, abundant clay and shell fragments, occasional foraminifera. Glauconite increases in lower portion.

600-620 Clay, tan, glauconitic, very sandy, abundant shell fragments. Traces pyrite 610-620

620-650 As above but tan to yellow

650-675 Sand, predominately glauconite, with subordinate coarse quartz. Trace pyrite with shell fragments.

675-725 Clay, varicolored, pink lavender, gray yellow, firm, waxy, abundant sand, slightly glauconitic in top 25'

725-740 Sand, fine to coarse grained, subangular to rounded, abundant yellow quartz (residue)

GEOLOGIC SUMMARY

Miocene	Chesapeake Gp.	v ? -420
Eocene	Pamunkey Gp.	420 -675
Paleo-Cret	Mattaponi Fm	675 -T.D.

VIRGINIA DIVISION OF MINERAL RESOURCES
William Dudley, Geologist
October 1958

