

Operator: Elkins Oil and Gas Co.
 Farm: Phillips (owned by Marchant & Minter)
 Well No.: 1
 Location: Mathews County
 5150' N. of 37°25') approximate
 1450' E. of 76°20')
 Elevation: 7'
 Total Depth: 2325'
 Drilling Commenced: June 29, 1929
 Well Abandoned: July 21, 1929
 Result: Dry hole

GEOLOGIC LOG

(Samples examined by Wm. Dudley, Virginia Division of Mineral Resources, 1958)

Depth

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? conglomerate 2085-2175
- 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

Remarks:

SUMMARY •

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

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