

Sheet No. 1

PROP: Town of  
~~PROP: T & C~~ KILMARNOCK

COUNTY: LANCASTER

VDMR WELL NO: 0217

FROM: TO:

COMP: SYDNOR PUMP & WELL

VDMR WELL NO. 0217 (15)

Sample Interval 250-735

Total Depth 740

Oil \_\_\_ Gas \_\_\_ Water  Exploratory \_\_\_

Cuttings  Core \_\_\_ Other \_\_\_

See Sinnott's manuscript  
on Wells in Northern Neck  
Table 4

| From-To | From-To | From-To<br>WASHED<br>SAMPLES | From-To | From-To |
|---------|---------|------------------------------|---------|---------|
| 400-    | 590-    |                              | 510-    | -       |
| 410-    | 600-    | 250-                         | 520-    | -       |
| 420-    | 610-    | 260-                         | 530-    | -       |
| 430-    | 620-    | 270-                         | 540-    | -       |
| 440-    | 630-    | 280-                         | 550-    | -       |
| 450-    | 640-    | 290-                         | 560-    | -       |
| 460-    | 650-    | 300-                         | 570-    | -       |
| 470-    | 660-    | 310-                         | 580-    | -       |
| 480-    | 670-    | 320-                         | 620-    | -       |
| 490-    | 680-    | 330-                         | 630-    | -       |
| 500-    | 720-    | 390-                         | 640-    | -       |
| 510-    | 735-    | 400-                         | 660-    | -       |
| 520-    | -       | 410-                         | 670-    | -       |
| 530-    | -       | 420-                         | 680-    | -       |
| 540-    | -       | 430-                         | 690-    | -       |
| 550-    | -       | 440-                         | 720-    | -       |
| 560-    | -       | 480-                         | -       | -       |
| 570-    | -       | 490-                         | -       | -       |
| 580-    | -       | 500-                         | -       | -       |

OWNER: Town of Kilmarnock  
DRILLER:  
COUNTY: Lancaster Co. (Town of Kilmarnock)

VDMR # 0217  
WWCR # 15  
Depth: 740'

SAMPLE EXAMINATION  
(washed)

- 390-400 Clay, tan, soft, calcareous, sandy, with shell fragments
- 400-420 Sand, quartz, fine to medium grained angular, argillaceous, becoming very argillaceous toward base with shell fragments
- 420-440 Clay, brown, very sandy, soft with shell fragments
- 440-480 Clay, brown, sandy, slightly glauconitic, marly, becoming gravelly toward base with shell fragments
- 480-520 As above but yellow brown to yellow green
- 520-530 As above but brown yellow
- 520-560 Clay gray-brown, marly, soft, sandy with shell fragments. Occasional foraminifera
- 560-610 As above but firmer, less sandy, only slightly glauconitic and calcareous in part. Finely pyritic in part
- 610-640 Clay, gray, marly, glauconitic, sandy, traces of limestone, dense, glauconitic, sandy, occasional foraminifera
- 640-650 Clay, yellow to ochre, soft, sandy, slightly glauconitic
- 650-660 Clay, pink to red, sandy, soft
- 660-670 Clay, yellow, pink, tan, sandy, soft, slightly glauconitic
- 670-680 Clay, tan, yellow, very sandy, slightly glauconitic, with shell fragments
- 680-720 Clay, tan, soft, very sandy, calcareous, non glauconitic with shell fragments
- 720-725 Clay, tan-pink, sandy to gravelly, slightly glauconitic, soft, with shell fragments

GEOLOGIC SUMMARY

Miocene  
Eocene  
Paleo-cret

Chesapeake Gp.  
Pamunkey Gp.  
Mattaponi Fm.

? - 440  
440- 660  
660- T. D.

VIRGINIA DIVISION OF MINERAL RESOURCES  
William Dudley  
November 1958

VDMR Well No. 0217

Loc. Town of Kilmarnock

Lancaster Co

Hop: Town of Kilmarnock

IntervalDescription

## MIOCENE

## CHESAPEAKE GROUP

- 390-400 clay, tan, soft, calcareous, sandy, with shell fragments
- 400-420 sand, quartz, fine to medium grained angular, argillaceous becoming very argillaceous toward base with shell fragments
- 420-440 clay, brown, very sandy, soft with shell fragments

## EOCENE

## PAMUNKEY GROUP

- 440-480 clay, brown, sandy, slightly glauconitic, marly, becoming gravelly toward base with shell fragments
- 480-520 as above but yellow brown to yellow green
- 520-530 as above but brown yellow
- 520-560 clay gray-brown, marly, soft, sandy with shell fragments. Occasional foraminifera
- 560-610 as above but firmer, less sandy, only slightly glauconitic and calcareous in part. Finely pyritic in part
- 610-640 clay, gray, marly, glauconitic, sandy, traces of limestone, dense, glauconitic, sandy occasional foraminifera
- 640-650 clay, yellow to ochre, soft, sandy, slightly glauconitic
- 650-660 clay, pink to red, sandy, soft

## PALEOCENE-UPPER CRETACEOUS

## MATTAPONI FM.

- 660-670 clay, yellow, pink, tan, sandy, soft, slightly glauconitic
- 670-680 clay, tan yellow, very sandy, slightly glauconitic, with shell fragments
- 680-720 clay, tan, soft, very sandy, calcareous, non glauconitic with shell fragments
- 720-725 clay, tan-pink, sandy to gravelly, slightly glauconitic, soft, with shell fragments

## SUMMARY

Miocene  
Eocene  
Paleo-Cret

Chesapeake Gp.  
Pamunkey Gp.  
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