

INTERVAL SHEET

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VDMR Well No.: 765 WWCR # 19

Date 1-3-63

Sample Interval: from 0 to 180

PROP: Jackson Shrine

Total depth 180

COMP: Sydnor

Oil  Gas  Water  Exploratory

COUNTY:  Caroline (Guinea)

Cuttings  X Core  Other

From-To	From-To	From-To	From-To	From-To
-	0 - 5	150 - 155	Complete set of	-
-	5 - 10	155 - 160	sampled intervals	-
-	10 - 15	160 - 165	except for:	-
-	15 - 20	165 - 170	-	-
-	20 - 25	Missing	-	-
-	25 - 30	175 - 180	-	70 - 75
-	30 - 35	-	-	75 - 80
-	35 - 40	-	-	Missing
-	40 - 45	-	-	110 - 115
-	45 - 50	-	-	Missing
-	50 - 55	-	-	120 - 125
-	55 - 60	-	-	-
-	60 - 65	-	-	-
-	65 - 70	-	-	-
-	70 - 75	-	-	-
-	75 - 80	-	-	-
-	80 - 85	-	-	-
-	85 - 90	-	-	-
-	90 - 95	-	-	-
-	95 - 100	-	-	-
-	100 - 105	-	-	-
-	105 - 110	-	-	-
-	110 - 115	-	-	-
-	115 - 120	-	-	-
-	120 - 125	-	-	-
-	125 - 130	-	-	-
-	130 - 135	-	-	-
-	135 - 140	-	-	-
-	Missing	-	-	-
-	145 - 150	-	-	-

OWNER: Fredericksburg - Spotsylvania Co. Battlefield  
DRILLER: Sydnor Pump and Well Co., Inc.  
COUNTY: Caroline (Guinea)

VDMR # 765  
WWCR # 19  
TOTAL DEPTH : 180

SAMPLE EXAMINATION  
(Unwashed Samples)

COLUMBIA GROUP (0-10)

- 0-5 Sand - tan, medium to fine grained, angular, abundant silt and clay, small amounts of gravel
- 5-10 Gravel - tan, angular, 1/16 to 1/4 inch diameter, abundant coarse sand, small amounts of silt.

CALVERT FORMATION (10-80)

- 10-15 Clay - gray, small amounts of gravel and very fine grained sand, a few diatoms (Coscinodiscus).
- 15-20 Clay - gray, small amounts of very fine grained sand, and a few diatoms (Coscinodiscus).
- 20-25 Clay - gray, small amounts of gravel and very fine grained sand, a few diatoms (Coscinodiscus)
- 25-30 As above
- 30-35 Clay - gray, small amounts of coarse to fine grained sand, a few diatoms (Coscinodiscus)
- 35-40 As above
- 40-45 As above
- 45-50 As above
- 50-55 As above
- 55-60 As above
- 60-65 As above
- 65-70 As above
- 70-75 As above
- 75-80 As above

OWNER:           Fredericksburg - Spotsylvania Co. Battlefield   (continued)   #765

PAMUNKEY GROUP   (80-155)

80-85           Limestone - gray, small amounts of coarse to fine grained sand,  
                  glaucinite, shell fragments, and a few shark and ray teeth

85-90           Shell fragments - white to gray, abundant arenaceous and  
                  glaucinitic limestone fragments, small amounts of coarse to  
                  fine grained sand, a few shark teeth

90-95           As above

95-100          Sand - gray, very fine grained, angular, abundant shell fragments,  
                  small amounts of glauconite and clay

100-105         As above

105-110         As above

110-115         Sand - gray, very fine grained, angular, abundant clay, small  
                  amounts of shell fragments and glauconite

115-120         As above

120-125         As above

125-130         Sand - gray, coarse to fine grained, angular, abundant clay, small  
                  amounts of glauconite and shell fragments

130-135         As above

135-140         As above

140-145         As above

145-150         As above

150-155         As above

PATUXENT FORMATION   (155-180)

155-160         Sand - white to gray, medium to coarse grained, angular, 20% feldspar,  
                  small amounts of gravel

160-165         As above

165-170         As above

170-175         No sample

175-180         Sand - white to gray, medium to coarse grained, angular, 20% feldspar

OWNER: Fredericksburg - Spotsylvania Co. Battlefield (continued) #765

GEOLOGIC SUMMARY

	<u>AGE</u>	<u>ROCK UNIT</u>
0-10	Pleistocene	Columbia group
10-80	Miocene	Calvert formation
80-155	Eocene	Pamunkey group
155-180	Lower Cretaceous	Patuxent formation

Virginia Division of Mineral Resources  
James L. Ruhle - Geologist  
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