

Sheet No. 1

Sample Interval 40-399

PROP: ? @ WAKEFIELD, VA.  
COUNTY: SUSSEX  
VDMR WELL NO: 0219  
FROM: TO:

Total Depth ?

Oil  Gas  Water  Exploratory

Cuttings  Core  Other

From-To	From-To	From-To WASHED + FLOATED SAMPLES	From-To	From-To
40 - 28	280 - 45		266 - 50	-
40 - 60 42	290 - 71	40 - 2	269 - 41	-
80 - 58	299 - 65	40 - 60 4	280 - 48	-
100 - 70	310 - 54	80 - 50	290 - 38	-
110 - 20	318 - 50	100 - 15	299 - 40	-
120 - 30	328 - 80	106 - 23	310 - 38	-
130 - 54	340 - 83	110 - 42	318 - 45	-
150 - 46	345 - 85	120 - 15	328 - 44	-
160 - 50	348 - 42	130 - 15	340 - 45	-
186 - 38	351 - 41	150 - 52	345 - 53	-
198 - 25	362 - 29	186 - 49	348 - 16	-
211 - 26	384 - 5	198 - 24	351 - 5	-
219 - 10	386 - 30	211 - 32	362 - 4	-
232 - 54	399 - 68	219 - 18	384 - 7	-
237 - 65	-	224 - 48	386 - 11	-
246 - 65	-	232 - 38	399 - 25	-
254 - 48	-	237 - 56	-	-
262 - 55	-	246 - 42	-	-
269 - 63	-	254 - 1	-	-

OWNER:  
DRILLER:  
COUNTY: Sussex County (Town of Wakefield)

VDMR # 0219  
WWCR # 17  
Depth: 399'

SAMPLE EXAMINATION  
(washed)

30-60 Clay, tan-yellow, soft  
60-220 Clay, dark brown, micaceous, silty to sandy, soft, slightly glauconitic increasing towards base, shell fragments 100-150'. Brown pink at base.  
220-234 Clay, olive green, abundant sand and glauconite  
234-246 Sand, quartz and glauconite, abundant phosphate (?) pellets  
246-255 Clay, pink, oehre, firm  
255-270 Sand, quartz and glauconite, argillaceous at top  
270-280 Clay, gray-brown, marly, glauconitic, soft with shell fragments  
280-290 Sand, quartz and glauconite, abundant clay and shell fragments  
290-300 Clay, olive green, glauconitic, calcareous  
300-318 Sand, glauconite and quartz, with abundant clay as above  
318-340 Clay, olive green very glauconitic, calcareous, very sandy  
340-343 Sand, quartz and glauconite, brown, very argillaceous  
343-350 Clay, red-brown, firm  
350-373 Clay, red-orange buff-pink, slightly sandy  
373-399 Sand, quartz, very fine to fine grained, angular to subangular, slightly glauconitic, micaceous

GEOLOGIC SUMMARY

Miocene	Chesapeake Gp.	?-60
Eocene	Pamunkey Gp.	60-220
Paleo-Cret (?)	Mataponi Fm.	220-T. D.

<u>Interval</u>	<u>Description</u>	
	MIocene	CHESAPEAKE GROUP
30-60	clay, tan-yellow, soft	
	EOCENE	PAMUNKEY GROUP
60-220	clay, dark brown, micaceous, silty to sandy, soft, slightly glauconitic increasing towards base shell fragments 100-150'. Brown pink at base.	
	PALEOCENE-UPPER CRETACEOUS (?)	MATTAPONI FM
220-234	clay, olive green, abundant sand and glauconite	
234-246	sand, quartz and glauconite, abundant phosphate (?) pellets	
246-255	clay, pink, ochre, firm	
255-270	sand, quartz and glauconite, argillaceous at top	
270-280	clay, gray-brown, marly, glauconitic, soft with shell fragments	
280-290	sand, quartz and glauconite, abundant clay and shell fragments	
290-300	clay, olive green, glauconitic, calcareous	
300-318	sand, glauconite and quartz, with abundant clay as above	
318-340	clay, olive green, very glauconitic, calcareous, very sandy	
340-343	sand, quartz and glauconite, brown, very argillaceous	
343-350	clay, red-brown, firm	
350-373	clay, red-orange buff-pink, slightly sandy	
373-399	sand, quartz, very fine to fine grained, angular to subangular, slightly glauconitic, micaceous	

## SUMMARY

Miocene	Chesapeake Gp.	?-60
Eocene	Pamunkey Gp.	60-220
Paleo-Cret (?)	Mattaponi Fm.	220-T.D.