

Sheet No. 1

PROP: WESTMORELAND STATE  
PARK - STATE OF VA.  
COMP: VA. MACHINERY & WELL  
COUNTY: WESTMORELAND  
VDMR WELL NO.: 0255  
FROM: TO:

VDMR WELL NO. 0255  
Sample Interval 2-631  
Total Depth 631

Oil \_\_\_ Gas \_\_\_ Water  Exploratory \_\_\_  
Cuttings  Core \_\_\_ Other \_\_\_

See Sennott's manuscript on  
Well in Northern Neck - Table 7

From-To	From-To	From-To	From-To	From-To
2-10	190-200 <sup>51</sup>	390-400 <sup>54</sup>	590-600 <sup>55</sup>	140-150 <sup>65</sup>
10-20	200-210 <sup>20</sup>	400-410 <sup>55</sup>	600-610 <sup>43</sup>	150-160 <sup>45</sup>
20-30	210-220 <sup>32</sup>	410-420 <sup>64</sup>	610-617 <sup>58</sup>	160-170 <sup>47</sup>
30-40	220-230 <sup>34</sup>	420-430 <sup>47</sup>	618-620 <sup>74</sup>	170-180 <sup>65</sup>
40-50	230-240 <sup>41</sup>	438-450 <sup>60</sup>	625-627 <sup>65</sup>	180-190 <sup>42</sup>
50-60	240-250 <sup>50</sup>	450-460 <sup>39</sup>	629-631 <sup>46</sup>	190-200 <sup>36</sup>
60-70	250-260 <sup>42</sup>	460-470 <sup>31</sup>	-	MISSING
70-80	260-270 <sup>53</sup>	470-480 <sup>62</sup>	-	320-330 <sup>69</sup>
80-90	270-280 <sup>43</sup>	480-490 <sup>42</sup>	-	330-340 <sup>80</sup>
90-100	280-290 <sup>45</sup>	490-500 <sup>74</sup>	-	340-350 <sup>88</sup>
100-110	290-300 <sup>40</sup>	500-510 <sup>56</sup>	-	350-360 <sup>108</sup>
110-120 <sup>41</sup>	300-310 <sup>46</sup>	510-520 <sup>66</sup>	-	360-370 <sup>79</sup>
120-130 <sup>26</sup>	310-320 <sup>33</sup>	520-530 <sup>70</sup>	-	370-380 <sup>101</sup>
130-140 <sup>46</sup>	320-330 <sup>67</sup>	530-540 <sup>27</sup>	-	380-390 <sup>74</sup>
140-150 <sup>92</sup>	330-340 <sup>89</sup>	540-550 <sup>37</sup>	-	390-400 <sup>68</sup>
150-160 <sup>58</sup>	340-350 <sup>81</sup>	550-560 <sup>62</sup>	-	400-410 <sup>76</sup>
160-170 <sup>57</sup>	350-360 <sup>85</sup>	560-570 <sup>55</sup>	-	410-420 <sup>70</sup>
170-180 <sup>53</sup>	370-380 <sup>70</sup>	570-580 <sup>48</sup>	-	420-430 <sup>76</sup>
180-190 <sup>48</sup>	380-390 <sup>65</sup>	580-590 <sup>43</sup>	-	

WASHED  
SAMPLES

VDMR WELL NO. 0255

Sample Interval \_\_\_\_\_

Total Depth \_\_\_\_\_

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

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

Sheet No. 2

PROP: WESTMORELAND STATE  
PARK - STATE OF VA.  
COMP: VA. MACHINERY & WELL  
COUNTY: WESTMORELAND  
VDMR WELL NO.: 0255  
FROM: \_\_\_\_\_ TO: \_\_\_\_\_

From-To	From-To	From-To	From-To	From-To
430-438 85	<u>FLOATED RESIDUE</u> GRAMS	240-250 51	550-560	29 -
470-480 77	2 - 10 5	250-260 59	560-570	22 -
<sup>MISSING</sup> 618-620 80	10 - 20 6	260-270 42	570-580	11 -
625-627 79	20 - 30 7	270-280 38	580-590	8 -
-	30 - 40 2	280-290 17	590-600	36 -
-	40 - 50 4	290-300 50	600-610	19 -
-	50 - 60 1	300-310 4	610-617	80 -
-	60 - 70 4	310-320 85	629-631	21 -
-	70 - 80 1	MISSING	-	-
-	80 - 90 2	438-450 38	-	-
-	90 - 100 1	450-460 22	-	-
-	100 - 110 7	460-470 11	-	-
-	110 - 120 5	480-490 16	-	-
-	120 - 130 6	490-500 89	-	-
-	130 - 140 2	500-510 25	-	-
-	200 - 210 48	510-520 30	-	-
-	210 - 220 42	520-530 23	-	-
-	220 - 230 26	530-540 32	-	-
-	230 - 240 55	540-550 9	-	-

OWNER: State of Virginia VDMR # 0255  
DRILLER: Va. Machinery and Well WWCR # 6  
COUNTY: Westmoreland Co. (Westmoreland State Park) Depth: 631'

SAMPLE EXAMINATION  
(washed)

0-140 Clay, yellow brown, sandy, soft, diatomaceous.

140-180 Marl, gray brown, slightly glauconitic, abundant gravel sand and shell fragments. Grades into marly sand in part. Sharks teeth noted

180-260 Clay, brown, marly, slightly glauconitic, micaceous, sandy, with shell fragments

260-300 Clay, brown, glauconitic, sandy, firm, non calcareous

300-320 Clay, pink, firm, slightly sandy to sandy, slightly glauconitic

320-360 Sand, quartz-glauconite, cemented in part with yellow-green calcareous clay, cleaner towards base

360-370 No sample

370-390 As above with abundant brown calcareous clay

390-400 Clay, brown, marly, glauconitic, sandy with shell fragments

400-410 Sand, quartz and glauconite, with abundant clay

410-430 Clay, same as 390-400

430-438 No sample

438-460 Clay, yellow, ochre & pink, firm, sandy, slightly calcareous

460-470 As above but pink

470-480 Clay, brown pink, soft, slightly glauconitic and calcareous

480-550 Clay, pink ochre, buff, firm, sandy

550-560 Clay, bright red, firm, sandy

560-580 As above but pink to orange  
580-590 As above but yellow to ochre  
590-617 As above but pink to red  
617-629 Sand, quartz, fine to medium grained, subangular, tan. Possible water sand  
629-631 Clay, pink brown, firm, sandy, very slightly calcareous

GEOLOGIC SUMMARY

Miocene	Chesapeake Gp.	Surface - 180
Eocene	Pamunkey Gp.	180 - 390
Paleo-Cret	Mattaponi Fm.	390 - T. D.

VIRGINIA DIVISION OF MINERAL RESOURCES  
William Dudley  
November 1958

VDMR Well No. 0255

Loc: Westmoreland State Park

Westmoreland Co.

Prop: State of Virginia

Contractor: Va. Machinery and Well

<u>Interval</u>	<u>Description</u>	
	MIocene	CHESAPEAKE GROUP
0-140	clay, yellow brown, sandy, soft, diatomaceous.	
140-180	marl, gray brown, slightly glauconitic, Abundant gravel sand and shell fragments. Grades into marly sand in part. Sharks teeth noted	
	EOCENE	PAMUNKEY GROUP
180-260	clay, brown, marly, slightly glauconitic, micaceous, sandy, with shell fragments	
260-300	clay, brown, glauconitic, sandy, firm, non calcareous	
300-320	clay, pink, firm, slightly sandy to sandy, slightly glauconitic	
320-360	sand, quartz -glauconite, cemented in part with yellow-green calcareous clay. Cleaner towards base	
360-370	no sample	
370-390	as above with abundant brown calcareous clay	
	PALEOCENE-UPPER CRETACEOUS	MATTAPONI FM.
390-400	clay, brown, marly, glauconitic, sandy with shell fragments	
400-410	sand, quartz and glauconite, with abundant clay	
410-430	clay, same as 390-400	
430-438	no sample	
438-460	clay, yellow, ochre & pink, firm, sandy, slightly calcareous	
460-470	as above but pink	
470-480	clay, brown pink, soft, slightly glauconitic and calcareous	
480-550	clay, pink ochre, buff, firm, sandy	
550-560	clay, bright red, firm, sandy	
560-580	as above but pink to orange	
580-590	as above but yellow to ochre	
590-617	as above but pink to red	
617-629	sand, quartz, fine to medium grained, subangular tan. Possible water sand	
629-631	clay, pink brown, firm, sandy, very slightly calcareous	

## SUMMARY

Miocene	Chesapeake Gp.	Surface-180
Eocene	Pamunkey Gp.	180-390
Paleo-Cret.	Mattaponi Fm.	390-T.D.