County: Surry VDMR Well #1973

Well: V-67-13

Property Owner: State, road right-of-way

Driller: Froehling and Robertson

Location: East side of State Road 627, 2.1 miles southeast of intersection of

State Highway 10 and State Road 627.

Altitude Top of Hole: 89 feet

Total Depth: 46 feet

Started Drilling: June 19, 1967 Completed Drilling: June 19, 1967 Sample Description by: N. K. Coch

## GEOLOGIC SUMMARY

Depth	Thickness	Formation	Age
0.01-19.01	19.0'	Elberon	Middle Pleistocene
19.01-38.01	19.01	Sedley	Pliocene ?
38.01-46.01	8.01	Yorktown	Late Miocene

## GEOLOGIC LOG

Formation	Depth in feet	Thickness in feet	Description
Elberon	0.0-4.0	4	Flush Interval
	4.0-6.0	2	Silt - pale-gray, sandy, very-fine, orange mottling, faintly laminated 4.0'-5.0' - 10 blows per foot 5.0'-6.0' - 16 blows per foot Compressive strength: 1.25 tons per square foot
	6.0-9.0	3	Flush Interval
	9.0-11.0	2	Sand - gray, fine-medium, 50 percent silt, some laminae of clay, gray, some orange mottling 9.0'-10.0' - 9 blows per foot 10.0'-11.0' - 12 blows per foot Compressive strength: 0.6 ton per square foot
	11.0-14.0	3.	Flush Interval
	14.0-16.0	2	Sand - gray, fine-medium, 15 percent silt, laminae of orange fine-medium sand 14.0*-15.0*-5 blows per foot 15.0*-16.0*-5 blows per foot Compressive strength: no reading
	16.0-19.0	3	Flush Interval
Sedley	19.0-21.0	2	Silt - dark-bluish-gray, trace fine sand, very thinly daminated, some very-thin sandy silt laminae, some hard bright-greenish-blue concretions 19.0'-20.0' - 2 blows per foot 20.0'-21.0' - 4 blows per foot Compressive strength: 0.5 ton per square foot

## VDMR Well #1973

Formation	
24.0-26.0 2 Similar to 19.0'-21.0' inte with somewhat higher orga content 24.0'-25.0' - 2 blows per 25.0'-26.0' - 2 blows per Compressive strength: 0. per square foot  26.0-29.0 3 Flush Interval  29.0-31.0 2 Similar to 24.0'-26.0' inte but nor organic 29.0'-30.0' - Weight of Ha 30.0'-31.0' - Weight of Ha Compressive strength: 0. per square foot  31.0-34.0 3 Flush Interval  34.0-36.0 2 Silt - dark-bluish-gray, sa some chunks of hard silt, calcareous material in ma 34.0'-35.0' - Weight of Ha 35.0'-36.0' - Weight of Ha Compressive strength: no  36.0-38.0 2 Flush Interval  Yorktown 38.0-39.0 1 Flush Interval  Silt - pale-bluish-gray, ve highly fossiliferous, sandy	
with somewhat higher orga content  24,0'-25,0'-2 blows per  25,0'-26,0'-2 blows per  Compressive strength: 0. per square foot  26.0-29.0 3 Flush Interval  29.0-31.0 2 Similar to 24,0'-26,0' inte but nor organic  29,0'-30.0'- Weight of Ha  30,0'-31,0'- Weight of Ha  Compressive strength: 0. per square foot  31.0-34.0 3 Flush Interval  34.0-36.0 2 Silt - dark-bluish-gray, sa some chunks of hard silt, calcareous material in ma  34.0'-35.0'- Weight of Ha  35.0'-36.0'- Weight of Ha  35.0'-36.0'- Weight of Ha  Compressive strength: no  36.0-38.0 2 Flush Interval  Yorktown 38.0-39.0 1 Flush Interval  Silt - pale-bluish-gray, vehighly fossiliferous, sandy	
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Yorktown 38.0-39.0 1 Flush Interval  39.0-41.0 2 Silt - pale-bluish-gray, vehighly fossiliferous, sandy	o reading
39.0-41.0 2 Silt - pale-bluish-gray, ve highly fossiliferous, sandy	
highly fossiliferous, sandy	
70 percent 39.0'-40.0' - 5 blows per	d <b>y,</b> le shells r foot
40.0'-41.0'-7 blows per Compressive strength: 1. per square foot	
41.0-44.0 3 Flush Interval	
Sand - pale-bluish-gray, f similar to unit above, highl 44.0'-45.0' - 7 blows per 45.0'-46.0' - 10 blows per Compressive strength: 1. square foot	hly fossiliferous er foot er foot

## INTERVAL SHEET

Page 1	of 1		VDMR Well No:	1973	
Date rec'd:	9/20/67		Sample Interval:	from 4 to: 46	
PROP:	State Right of W Well V-67-13	ay		Number of samples: 9	
COMP:	Froehling and R	ohertson	Total Depth: 46		
COUNTY:	Surry	Obertson	Oil or Gas: Wate	er: Exploratory: X	
	From-To	From-To	From-To	From-To	
	4 <b>-</b> 6 -		. • • • • • • • • • • • • • • • • • • •		
	9 - 11	<b>-</b>	-	- -	
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	14 - 16	<u>.</u>	<u>-</u> . 	<b>-</b> * ;	
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	- 24 <b>-</b> 26				
	29 - 31				
	- 34 - 36				
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	39 - 41				
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	All intervals hav	e both washed and unw	vashed samples		
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