		INTERVAL SHEET					
Dage 1		VDMR WELL NO.: 1052					
Date <u>6-15-64</u>		Sample	e Interval: from	1to74			
PROP: Milton Johnson		Total	Depth 74				
COMP: James Colley		Oil	GasWater_X	Exploratory			
COUNTY: Orange (Gordonsville)	Cuttir	ngs <u>X</u> Core	Other			
VDMR WELL NO: W-1052		Wash	Washed Samples Only				
From-To	From-To	From-To	From-To	From-To			
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OWNER: Milton JohnsonVDMR #1052DRILLER: James ColleyWWCR #4COUNTY: Orange (Gordonsville)TOTAL DEPTH: 74'

GEOLOGIC LOG

1-5	Clay - reddish-brown with minor quartz fragments and mica flakes.		
5-10	Clay - brownish with quartz, feldspar and mica flakes.		
10-15	Weathered arkose - milky to clear angular to subangular quartz fragments, minor feldspar and trace of quartz.		
15-20	As above (2 stages of quartz crystal growths indicate partial weathering or that some of this stratum has been metamorphosed).		
20-25	Weathered Phyllite - tanish-brown micaceous, quartzose phyllite with milky, angular quartz fragments.		
25-30	As above		
30-35	As above		
35-40	As above - with slight increase in quartz.		
40-45	As above		
45-50	Weathered arkose and phyllite - tan to gray arkose with translucent, rounded quartz grains with tan and white feldspar. Grayish-tan, quartz-rich phyllite that is only partly weathered.		
50 <mark>-</mark> 55	Phyllite and arkose -gray (top of bedrock in this interval)		
55-60	As above		
60-65	As above		
65-70	As above		
70-74	As above		

GEOLOGIC SUMMARY

ROCK UNIT

AGE

Undifferentiated Metamorphics

Cambrian (?)

Composition changes are primarilly an expression of the degree of weathering as ig evidenced from the following approximate X-ray percentiles of major constituents:

Interval	Quartz	Potassic Feldspar	Plagioclase	Chlorite	Mica		
10-151	50%	25%	15%	10%			
20-25'	30%	30%	20%	20%			
50-60 ¹	Wea	Weathered - Unweathered Interface					
70-74'	20%	10%	35%	25%	10%		

Virginia Division of Mineral Resources F. Fitzgerald, Geologist July 7, 1964