

35-27-4E

September 26, 1972

H & M Drilling Co.
Leon, Kansas

RE: H & M Drilling Co. #8 Moyle
NW E/2 SW Section 35-27S-4E.
Butler County, Kansas

Gentlemen:

Samples from the above captioned well were examined from
1850 feet to 2621 feet rotary total depth.

Commenced: 9-6-72 Elevation: 1297 K.B.
Completed: 9-11-72 Elevation: 1292 Gr.
Contractor: White & Ellis Drl. Co. Surf. Csg. 10" 200'

The following tops were determined from sample analysis.
All measurements were taken from rotary bushing.

<u>FORMATION</u>	<u>SAMPLE</u>
Base Lansing	1896 (-599)
Kansas City	2046 (-749)
Base Kansas City	2244 (-947)
Marmaton lime	2282 (-985)
Fort Scott	2334 (-1037)
Cherokee shale	2428 (-1131)
Kinderhook shale	2555 (-1258)
U. Simpson sand	2572 (-1275)
L. Simpson sand	2619 (-1322)
RTD	2621 (-1324)

PERTIENT POROUS ZONES, STAINS AND TESTS

Kansas City lime

2051-58

lime: grey, crystalline, well stained,
trace calcite, good odor,
fluorescence, and show of oil,
pp to slightly vugy porosity.

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U. Simpson sand

2573-79

sand; clear, frosted, sub-round, fine to medium, well cemented, good odor, stain, fluorescence, and show of oil. Poor porosity.

REMARKS

It was decided to set pipe on top of the lower Simpson sand and test open hole.

The upper Simpson sand should be tested before the well is abandoned.

The show in the top of the Kansas City lime was better than average for the area.

Respectfully submitted

Robert R. Boley
Robert R. Boley

P. O. BOX 95

PHONE PI 5-3491

Robert R. Boley

Petroleum Geologist

Leon, Kansas 67074

GEOLOGICAL REPORT

35-27-4E

DRILLING TIMENW E/2 SW
SECTION 35-27S-4E.H & M DRILLING CO.
#8 MOYLEELEVATION: 1297 K.B.
BUTLER COUNTY, KANSAS

DEPTH	MINUTES	REMARKS
1' Intervals		

1850-60	5-4-4-3-5/3-4-5-3-4	
60-80	3-4-4-3-3/5-4-4-4-4/5-4-5-5-6/5-6-6-5-5	
80-	5-5-5-4-3/4-5-3-3-3/5-4-6-7-7/5-4-3-3-3	
1900-20	3-3-4-3-4/4-4-3-3-4/4-4-4-3-4/3-3-3-3-3	
20-40	4-3-4-3-3/3-4-3-3-3/4-3-3-3-3/4-3-3-3-4	
40-60	3-3-4-3-3/4-3-3-3-2/3-3-3-3-3/3-3-2-3-3	
60-80	3-3-3-3-3/3-3-3-3-3/3-3-3-4-3/3-3-3-2-2	
80-	3-3-3-3-2/2-2-2-3-3/3-3-3-3-3/4-3-3-3-3	
2000-20	3-4-3-3-4/3-3-4-3-3/3-3-3-4-3/3-3-3-4-3	
20-40	4-3-3-3-4/3-3-4-3-4/3-4-3-3-4/4-3-3-2-3	
40-60	3-4-3-2-3/2-4-4-5-6/4-3-2-2-4/3-3-2-5-5	
60-80	3-3-3-2-3/2-3-4-3-3/4-3-2-3-3/3-2-3-1-2	
80-	2-2-2-2-3/2-2-2-2-2/2-2-2-3-2/3-2-4-4-5	Circ. 2068
2100-20	4-5-4-5-6/5-5-5-2-3/3-3-2-2-4/3-4-3-2-2	
20-40	1-2-1-1-2/1-2-2-1-2/2-2-1-3-2/3-4-2-3-2	
40-60	1-2-1-3-2/3-3-3-2-4/3-3-4-4-4/3-3-3-3-4	
60-80	3-3-3-3-2/2-4-3-4-5/3-4-4-6-4/4-3-3-3-3	
80-	3-3-4-4-5/5-5-3-1-2/2-4-4-3-5/6-3-3-2-2	Trip 2131
2200-20	2-2-2-3-2/4-5-7-6-8/11-5-5-6-5/5-4-4-4-3	
20-40	5-3-3-4-3/2-2-2-1-5/10-6-7-8-8/10-7-8-9-7	
40-60	9-10-11-4-3/2-2-2-2-2/2-2-1-2-2/1-2-3-2-3	
60-80	2-1-3-2-2/2-2-1-1-2/1-2-2-2-1/1-2-1-1-1	
80-	1-1-2-2-3/2-3-3-3-2/2-2-2-2-2/1-2-1-2-1	Trip 2243
2300-20	2-1-1-1-2/1-2-1-1-2/1-1-1-1-1/1-2-2-1-1	
20-40	2-1-2-1-2/3-2-3-3-2/3-2-3-3-5/5-6-5-4-5	
40-60	4-3-4-3-3/2-3-3-3-4/7-5-5-4-4/2-3-2-3-3	
60-80	2-3-3-3-3/2-2-3-3-3/2-3-2-2-3/2-2-3-2-3	
80-	4-3-5-2-3/3-3-6-4-4/4-3-3-3-2/2-3-3-3-3	
2400-20	4-4-4-2-2/2-3-2-3-4/3-4-3-4-4/4-4-4-4-5	
20-40	5-2-3-3-3/4-4-4-3-2/1-2-3-3-2/3-2-2-2-2	
40-60	2-3-2-2-2/2-2-2-2-2/3-2-2-3-2/3-2-2-2-2	
60-80	2-2-2-2-2/2-2-3-2-3/2-2-4-3-3/2-2-2-3-3	
80-	2-3-3-3-3/2-2-2-2-3/5-6-5-4-2/3-5-3-5-4	

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DRILLING TIMENW E/2 SW
SECTION 35-27S-4E.H & M DRILLING CO.
#8 MOYLEELEVATION: 1297 K.B.
BUTLER COUNTY, KANSASDEPTHMINUTESREMARKS

1' Intervals

2500-20	4-3-2-3-3/3-2-3-3-3/2-2-3-2-3/3-4-2-2-2	
20-40	4-4-5-4-3/2-3-3-3-4/3-3-4-4-5/4-5-4-4-5	
40-60	4-4-4-4-4/4-4-4-4-4/4-4-4-4-4/3-3-3-3-2	
60-80	2-3-2-2-3/2-3-2-3-3/3-4-10-7-7/7 $\frac{1}{2}$ /8 $\frac{1}{2}$ /8-8-9	Circ. 2570
80-	9-8-9-8-9/9-8-9-8-8/9-8-7-7-5/3-4-3-5-5	
2600-20	4-4-4-5-5/4-4-2-5-4/6-5-8-7-9/7-5-5-6-8	Circ. 2605 & 2608
20-21	6	Circ. 2613 & 2616
		Circ. 2621

BIT RECORD

<u>No.</u>	<u>Type</u>		<u>Depth</u>	<u>Footage</u>	<u>Hours Run</u>
1.	OSClG	RT	200-710	510	11 $\frac{1}{2}$
2.	DT	RT	1333	623	13
3.		RB	2131	798	35
4.	DGTH	NEW	2243	112	7 $\frac{1}{2}$
5.	DGTH	NEW			