



# OILFIELD RESEARCH LABORATORIES

536 NORTH HIGHLAND - CHANUTE, KANSAS 66720 - PHONE (316) 431-2650

May 20, 1980

Alco Drilling Company, Inc.  
Rural Route 3  
Iola, Kansas 66749

Gentlemen:

Attached hereto are the results of tests run on the rotary core samples taken from the R. Carlton Lease, Well No. 1-NE, located 330' East of the West Line, and 330' North of the South Line, in the Northeast  $\frac{1}{4}$  of Section 8, T-25S, R-20E, Allen County, Kansas.

The core samples were sealed in plastic bags by a representative of the client and submitted to our laboratory on May 14, 1980. In examining this core, it is assumed that each sample represents one foot of core.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

  
Sanford A. Michel

SAM/tem

5 c to Iola, Kansas

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LOGName Alco Drilling Co., Inc. Lease R. Carlton Well No. 1-NE

<u>Depth Interval, Feet</u>	<u>Description</u>
	<u>BARTLESVILLE SAND</u>
828.0 - 829.0	Brown shaly slightly calcareous sandstone.
829.0 - 830.0	Brown shaly sandstone.
830.0 - 831.0	Brown sandstone.
831.0 - 832.0	Brown shaly slightly calcareous sandstone.
832.0 - 834.0	Brown sandstone.
834.0 - 835.0	Brown shaly sandstone.
835.0 - 836.0	Brown sandstone.
836.0 - 837.0	Gray shaly sandstone.
837.0 - 838.0	Brown shaly sandstone.

**Oilfield Research Laboratories**

**RESULTS OF SATURATION & PERMEABILITY TESTS**

**TABLE 1**

Company Alco Drilling Co., Inc. Lease R. Carlton Well No. 1-NE

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	828.5	21.3	44	32	76	727	4.0
2	829.5	20.3	44	38	82	693	1.9
3	830.5	21.9	53	32	85	901	11.
4	831.5	21.7	41	41	82	690	6.8
5	832.5	22.0	53	33	86	905	16.
6	833.5	25.3	54	32	86	1060	40.
7	834.5	22.7	39	51	90	687	5.9
8	835.5	24.0	45	47	92	838	703.
9	836.5	16.7	12	81	93	156	Imp.
10	837.5	17.7	60	34	94	824	4.2