

# OILFIELD RESEARCH LABORATORIES

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

June 4, 1980

Elk Oil Company  
P.O. Box 114  
Elk City, Kansas 67344

Gentlemen:

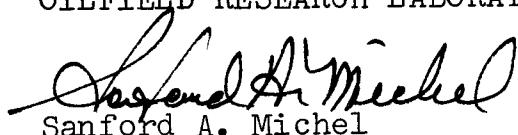
Attached hereto are the results of tests run on the rotary core samples taken from the Osburn Lease, Well No. 3, located in the Southeast  $\frac{1}{4}$  of the Northeast  $\frac{1}{4}$  of the Northeast  $\frac{1}{4}$  of Section 10, T-32S, R-13E, Chautauqua County, Kansas.

The core samples were sealed in plastic bags by a representative of the client and submitted to our laboratory on May 28, 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 Elk City, Kansas

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LOG

Name Elk Oil Company Lease Osburn Well No. 3

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
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WISER SAND

953.0 - 956.0	Brown very shaly sandstone.
956.0 - 957.0	Brown shaly sandstone.
957.0 - 958.0	Brown slightly shaly slightly calcareous sandstone.
958.0 - 959.0	Brown slightly calcareous sandstone.
959.0 - 960.0	Brown slightly shaly slightly calcareous sandstone.
960.0 - 964.0	Brown shaly slightly calcareous sandstone.

**Oilfield Research Laboratories**

**RESULTS OF SATURATION & PERMEABILITY TESTS**

**TABLE 1**

Company Elk Oil Company      Lease Osburn      Well No. 3

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	953.5	10.1	21	74	95	165	Imp.
2	954.5	10.2	20	75	95	158	0.45
3	955.5	10.1	17	79	96	133	Imp.
4	956.5	11.5	40	48	88	357	2.6
5	957.5	14.5	34	59	93	383	7.1
6	958.5	14.3	30	57	87	333	33.
7	959.5	9.4	23	70	93	168	9.9
8	960.5	15.5	30	57	87	361	2.8
9	961.5	14.7	48	36	84	547	2.8
10	962.5	11.2	39	56	95	339	1.1
11	963.5	12.3	40	54	94	382	1.2