



# OILFIELD RESEARCH LABORATORIES

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

May 12, 1982

Prairie Production  
R R 3, Box 13  
Chanute, Kansas 66720

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Nelson II Lease, Well No. D-2, located 470' North of the South Line and 1140' East of the West Line in Section 29, T-26S, R-17E, in Woodson County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and was submitted to our laboratory on May 11, 1982.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

A handwritten signature in cursive script, reading "Sanford A. Michel".

Sanford A. Michel

SAM/kas

5 c to Chanute, Kansas

- REGISTERED ENGINEERS -

CORE ANALYSIS - WATER ANALYSIS - REPRESSURING ENGINEERING - SURVEYING & MAPPING - PROPERTY EVALUATION & OPERATION

## OILFIELD RESEARCH LABORATORIES

LOGName Prairie Production Lease Nelson II Well No. D-2

<u>Depth Interval, Feet</u>	<u>Description</u>
	<u>LOWER SQUIRREL SAND</u>
880.0 - 881.0	Brown sandstone with micaceous partings.
881.0 - 885.3	Brown sandstone.
885.3 - 886.0	Gray and brown finely laminated shale and sandstone.
886.0 - 887.1	Brown sandstone.
887.1 - 891.5	Brownish black slightly carbonaceous very shaly sandstone.
891.5 - 892.5	Dark brown sandstone.
892.5 - 892.7	Gray shale.
892.7 - 893.0	Brown sandstone.
893.0 - 893.2	Gray shale.
893.2 - 894.1	Dark brown sandstone.
894.1 - 895.2	Dark brown shaly sandstone.

# Oilfield Research Laboratories

## RESULTS OF SATURATION & PERMEABILITY TESTS

### TABLE 1

Company Prairie Production Lease Nelson II Well No. D-2

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	880.6	17.2	61	27	88	814	9.9
2	881.5	20.4	52	22	74	823	47.
3	882.6	18.1	46	28	74	646	22.
4	883.5	20.5	43	26	69	684	52.
5	884.5	18.5	49	25	74	703	39.
6	885.5	13.3	23	69	92	237	3.5
7	886.4	19.2	46	28	74	685	78.
8	887.5	18.1	68	21	89	955	4.5
9	888.5	19.7	62	10	78	948	4.3
10	889.4	20.1	59	15	74	920	2.2
11	890.7	18.6	62	19	81	895	0.82
12	891.6	20.3	39	33	72	614	110.
13	892.4	16.6	39	25	64	502	37.
14	893.6	16.9	40	33	73	524	26.
15	894.4	17.1	70	13	83	929	3.5