

# OILFIELD RESEARCH LABORATORIES

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

November 12, 1980

Cherryvale Well Service  
119 West Main Street  
Cherryvale, Kansas 67335

Gentlemen:

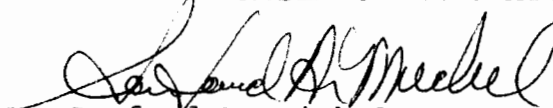
Attached hereto are the results of tests run on the rotary core taken from the O'Dell Lease, Well No. 4, located in the Southeast  $\frac{1}{4}$  of Section 35, T-31S R-12E, Elk County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and submitted to our laboratory on October 15, 1980.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

  
Sanford A. Michel

SAM/tem

5 c to Cherryvale, Kansas

## OILFIELD RESEARCH LABORATORIES

LOGName Cherryvale Well Service Lease O'Dell Well No. 4LOG

<u>Depth Interval, Feet</u>	<u>Description</u>
	SALT SAND
682.0 - 683.9	Light brown slightly calcareous sandstone.
683.9 - 688.0	Grayish brown slightly calcareous shaly sandstone.
688.0 - 689.3	Light brown slightly calcareous sandstone.
689.3 - 690.1	Brown slightly calcareous shaly sandstone.
690.1 - 692.2	Light brown slightly calcareous sandstone.
692.2 - 692.9	Grayish light brown slightly calcareous shaly sandstone.
692.9 - 694.0	Light brown slightly calcareous sandstone.

**Oilfield Research Laboratories**

**RESULTS OF SATURATION & PERMEABILITY TESTS**

**TABLE 1**

Company Cherryvale Well Service Lease O'Dell Well No. 4

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	682.5	19.5	11	74	85	166	39.
2	683.5	20.5	17	40	57	270	78.
3	684.5	18.0	28	41	69	391	8.5
4	685.5	17.8	12	84	96	166	8.7
5	686.5	13.9	18	33	51	194	3.1
6	687.5	19.4	9	72	81	136	1.8
7	688.5	22.3	4	64	68	69	32.
8	689.5	13.2	25	48	73	256	6.3
9	690.5	20.0	28	39	67	434	49.
10	691.5	18.3	22	43	65	312	35.
11	692.5	10.5	13	71	84	106	6.1
12	693.5	10.4	28	67	95	226	31.