



# OILFIELD RESEARCH LABORATORIES

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

August 5, 1982

B.O.F. Oil Company  
113 South Kansas Avenue  
Olathe, Kansas 66061

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Cook Lease, Well No. 1, located in the Northwest corner of the Southeast  $\frac{1}{4}$ , 165.0' from the South Line and 165.0' from the East Line of Section 31, T-16S, R-22E, in Miami County, Kansas.

The core was sampled and sealed in plastic bags by a representative of Oilfield Research Laboratories and was received in our laboratory on August 3, 1982.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/rmc

5 c to Olathe, Kansas

- REGISTERED ENGINEERS -

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

**OILFIELD RESEARCH LABORATORIES**

**LOG**

Name B.O.F. Oil Company Lease Cook Well No. 1

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
	<u>SQUIRREL SAND</u>
678.0 - 678.9	Brown sandstone.
678.9 - 679.4	Brown slightly shaly sandstone.
679.4 - 679.8	Grayish brown very shaly sandstone.
679.8 - 681.0	Brown sandstone with scattered gray shale partings.
681.0 - 682.5	Gray and brown laminated shale and sandstone.
682.5 - 683.0	Grayish brown shaly sandstone.
683.0 - 683.4	Brown sandstone.
683.4 - 698.0	Gray shale.

# Oilfield Research Laboratories

## RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE I

Company B.O.F. Oil Company      Lease Cook      Well No. 1

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	678.5	19.4	41	24	65	617	34.
2	679.3	21.2	30	35	65	493	9.2
3	680.5	23.1	47	22	69	842	26.
4	681.5	18.6	39	41	80	563	6.8
5	682.4	22.0	42	39	81	717	3.7
6	683.3	14.1	34	52	86	372	12.