



OILFIELD RESEARCH LABORATORIES

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

September 20, 1982

Fortune I Oil Company
c/o Vic Leis
Box 223
Yates Center, Kansas 66783

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Smith Lease, Well No. 12, located in the Northwest $\frac{1}{4}$ of Section 33, T-25S, R-15E, Woodson County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and submitted to our laboratory on September 15, 1982.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/rmc

5 c to Yates Center, Kansas

- REGISTERED ENGINEERS -

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

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LOG

Company Fortune I Oil Company Lease Smith Well No. 12

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
	<u>SQUIRREL SANDSTONE</u>
1159.0 - 1159.9	Gray and brown finely laminated shale and sandstone.
1159.9 - 1160.5	Gray shale containing fine brown sandstone partings.
1160.5 - 1161.1	Grayish brown shaly sandstone containing shale partings.
1161.1 - 1165.0	Dark brown sandstone.
1165.0 - 1167.0	Very dark brown sandstone.
1167.0 - 1169.0	Very dark grayish brown shaly sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Fortune I Oil Company Lease Smith Well No. 12

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	1159.4	14.2	13	63	76	143	1.0
2	1160.6	17.1	23	38	61	305	6.0
3	1161.5	17.4	46	24	70	621	33.
4	1162.4	18.4	58	22	80	828	28.
5	1163.5	17.6	68	19	87	929	34.
6	1164.4	20.2	54	17	71	846	49.
7	1165.4	22.5	71	14	85	1,239	82.
8	1166.3	20.9	73	16	89	1,184	37.
9	1167.5	21.4	66	14	80	1,096	4.9
10	1168.5	20.0	75	15	90	1,164	5.8