



OILFIELD RESEARCH LABORATORIES

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

November 4, 1982

Magnum Oil, Inc.
R. R. # 1, Box 99
Toronto, Kansas 66777

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Suchy Lease, Well No. 4, located in the Northeast $\frac{1}{4}$ of Section 3, T-24S, R-18E, Allen County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and submitted to our laboratory on November 2, 1982.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/rmc

5 c to Toronto, Kansas

- REGISTERED ENGINEERS -

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

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LOGCompany Magnum Oil, Inc. Lease Suchy Well No. 4

<u>Depth Interval, Feet</u>	<u>Description</u>
	<u>SQUIRREL SANDSTONE</u>
748.0 - 749.0	Grayish brown very shaly sandstone.
749.0 - 749.5	Brown shaly sandstone.
749.5 - 750.0	Gray shale with widely scattered brown sandstone partings.
750.0 - 752.0	Gray slightly sandy shale.
752.0 - 752.4	Gray and brown laminated shale and sandstone.
752.4 - 754.0	Brown slightly shaly sandstone.
754.0 - 755.0	Alternate layers gray shale and brown sandstone.
755.0 - 755.5	Grayish brown very shaly sandstone.
755.5 - 758.0	Gray shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Magnum Oil, Inc. Lease Suchy Well No. 4

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A. Ft.	Permeability, Millidarcys
			Oil	Water	Total		
1	748.6	14.7	26	58	84	297	0.50
2	749.4	15.5	38	48	86	457	2.6
3	752.5	14.0	55	33	88	597	6.3
4	753.6	15.1	50	35	85	586	7.4
5	754.6	16.9	22	57	79	288	5.2
6	755.4	12.2	23	73	96	218	0.19