

OILFIELD RESEARCH LABORATORIES

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

November 17, 1982

Lowe & Roberts
Colonial Building
Olathe, Kansas 66061

Gentlemen:

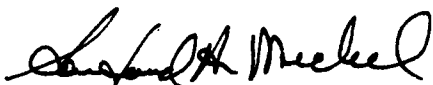
Attached hereto are the results of tests run on the rotary core taken from the Williams I Lease, Well No. 9, located in Section 19, T-14S, R-24E, Johnson County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and submitted to our laboratory on November 16, 1982.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES



Sanford A. Michel

SAM/rmc

3 c to Olathe, Kansas
2 c to Elmer Sieg, Ottawa, Kansas

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LOGCompany Lowe & Roberts Lease Williams I Well No. 9

<u>Depth Interval, Feet</u>	<u>Description</u>
	<u>THIRD SQUIRREL SANDSTONE</u>
708.0 - 708.6	Gray shale with scattered brown sandstone partings.
708.6 - 709.7	Dark brown sandstone.
709.7 - 710.0	Gray shale with fine brown sandstone partings.
710.0 - 710.6	Brown sandstone.
710.6 - 710.9	Gray shale with fine brown sandstone partings.
710.9 - 711.1	Dark brown sandstone.
711.1 - 711.5	Gray shale with fine brown sandstone partings.
711.5 - 712.7	Dark brown sandstone.
712.7 - 712.8	Gray shale.
712.8 - 713.1	Dark brown sandstone.
713.1 - 713.3	Grayish brown shaly sandstone.
713.3 - 713.5	Dark brown sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Lowe & Roberts Lease Williams I Well No. 9

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A. Ft.	Permeability, Millidarcys
			Oil	Water	Total		
1	708.7	20.0	59	17	76	915	21.
2	709.6	22.2	57	30	87	942	32.
3	710.5	24.5	59	24	83	1121	62.
4	711.6	21.8	55	4	59	930	52.
5	712.6	21.7	61	24	85	1027	62.
6	713.4	23.0	55	12	67	981	84.