



OILFIELD RESEARCH LABORATORIES

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

March 10, 1981

Aztec Oil Company
820 Meadowbrook West
Iola, Kansas 66749

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Cummings "A" Lease, Well No.18, located in Section 17, T-25S, R-16E, in Woodson County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and was submitted to our laboratory on February 28, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/kas

5 c to Iola, Kansas

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LOG

Name Aztec Oil Company Lease Cummings "A" Well No. 18

<u>Depth Interval, Feet</u>	<u>Description</u>
	<u>LOWER SQUIRREL SAND</u>
955.0 - 957.8	Dark brown slightly calcareous sandstone.
957.8 - 958.6	Brown and gray laminated sandstone and shale.
958.6 - 959.2	Gray sandy shale.
959.2 - 960.2	Brown shaly sandstone.
960.2 - 961.8	Grayish brown sandy shale.
961.8 - 963.0	Dark brown slightly calcareous sandstone.
963.0 - 963.9	Gray sandy shale.
963.9 - 965.4	Dark brown slightly calcareous sandstone.
965.4 - 969.5	Brown and gray laminated slightly calcareous sandstone and shale.

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Aztec Oil Company **Lease** Cummings "A" **Well No.** 18

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	955.5	18.6	54	4	57	765	90.
2	956.5	15.1	62	8	70	726	158.
3	957.5	14.6	68	12	80	770	96.
4	958.5	16.7	61	23	84	790	Imp.
5	962.5	21.4	55	3	58	913	130.
6	964.7	22.6	62	7	69	1087	33.
7	967.6	21.9	51	13	64	867	40.
8	969.2	20.5	59	4	63	938	26.