



OILFIELD RESEARCH LABORATORIES

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

October 16, 1981

Aztec Oil Company
Box 34
Piqua, Kansas 66761

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Cummings "A" Lease, Well No. 23, located in Section 17, T-25S, R-16E, in Woodson County, Kansas.

The core was unbagged when received at the laboratory on October 9, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/kas

5 c to Piqua, Kansas

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LOG

Name Aztec Oil Company Lease Cummings "A" Well No. 23

<u>Depth Interval, Feet</u>	<u>Description</u>
	<u>SQUIRREL SAND</u>
967.0 - 967.6	Dark brown sandstone.
967.6 - 968.6	Brown sandstone.
968.6 - 969.1	Brown and gray laminated sandstone and shale.
969.1 - 970.2	Grayish brown shaly slightly calcareous sandstone.
970.2 - 971.2	Grayish brown shaly sandstone with shale partings.
971.2 - 973.2	Gray and brown laminated shale and sandstone.
973.2 - 974.6	Brown slightly calcareous sandstone.
974.6 - 975.0	Gray and brown laminated shale and sandstone.
975.0 - 976.0	Dark brown slightly carbonaceous sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Aztec Oil Company **Lease** Cummings "A" **Well No.** 23

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	967.5	21.1	50	14	64	819	58.
2	968.4	17.2	48	15	63	641	31.
3	969.4	15.4	58	12	70	693	0.46
4	970.5	16.2	34	49	83	427	2.2
5	971.6	12.6	27	58	85	264	Imp.
6	972.4	12.0	17	55	72	158	0.98
7	973.6	19.7	43	17	60	657	56.
8	974.5	18.5	62	13	75	890	28.
9	975.5	20.8	73	13	86	1178	54.