OILFIELD RESEARCH LABORATORIES

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

May 12, 1981

Markan Oil, Inc.
Box 812
Chanute, Kansas 66720

Gentlemen:

Attached herto are the results of tests run on the rotary core taken from the Jordan Lease, Well No. 105, located 2,145' from the South Line and 825' from the West Line in the Southwest ¼ in Section 20, T-26S, R-20E, in Allen County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and was submitted to our laboratory on May 7, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/kas

5 c to Chanute, Kansas

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LOG

Name Markan Oil, Inc. Lease Jordan Well No. 105

Depth Interval, Feet	Description
646.0 - 647.5	Gray laminated sandstone and shale.
647.5 - 648.3	Brown and gray laminated sandstone and shale.
648.3 - 649.5	Gray sandy shale.
649.5 - 650.0	Gray shaly sandstone.
650.0 - 651.0	Gray sandy shale.
651.0 - 653.8	Grayish brown shaly sandstone.
653.8 - 655.3	Brown and gray laminated sandstone and shale.
655.3 - 658.1	Brown shaly sandstone.
658.1 - 660.4	Brown sandstone.
660.4 - 661.0	Gray sandy shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Markan Oil, Inc. Lease Jordan Well No. 105

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	646.8	9.8	17	80	97	129	0.32
2	647.7	9.9	72	25	97	553	0.73
3	649.7	8.0	18	64	82	112	Imp.
4	651.3	12.3	45	48	93	429	0.89
5	652.8	12.6	44	48	92	430	1.0
6	653.7	11.0	40	57	97	341	0.60
7	654.9	12.2	39	56	95	369	0.50
8	656.2	16.3	50	44	94	632	9.3
9	657.2	14.5	43	50	93	484	6.2
10	658.3	17.4	33	47	80	446	26.
11	659.3	19.9	41	37	78	633	31.
12	660.3	15.2	42	48	90	495	16.