

OILFIELD RESEARCH LABORATORIES

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

April 1, 1980

North Slope Properties, Ltd.
c/o Don Thompson
212 North Holiday Lane
Iola, Kansas 66749

Gentlemen:

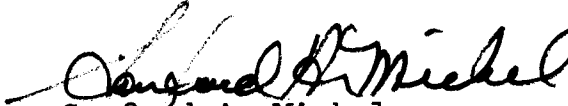
Enclosed herewith are the results of tests run on the rotary core taken from the McIntyre Lease, Well No. 33, Allen County, Kansas, and submitted to our laboratory on March 19, 1980.

The core was sampled by a representative of Oilfield Research Laboratories after being received in the laboratory. This core was exposed to air approximately 24 hours before being received and sampled.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES


Sanford A. Michel

SAM/tem
3 c to Iola, Kansas
2 c to St. Louis, Missouri

Oilfield Research Laboratories
GENERAL INFORMATION & SUMMARY

Company North Slope Properties, Ltd. Lease McIntyre Well No. 33
 Location _____
 Section 31 Twp. 23S Rge. 19E County Allen State Kansas

Elevation, Feet

Name of Sand	Bartlesville
Top of Core	888.0
Bottom of Core	906.7
Top of Sand	888.0
Bottom of Sand	906.7
Total Feet of Permeable Sand	9.6

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 3.0	7.4	7.4
5.0 & Above	2.2	9.6

Average Permeability Millidarcys	2.8
Average Percent Porosity	15.3
Average Percent Oil Saturation	28.6
Average Percent Water Saturation	38.6
Average Oil Content, Bbls./A. Ft.	323.
Total Oil Content, Bbls./Acre	4,195.

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LOG

Name North Slope Properties, Ltd. Lease McIntyre Well No. 33

Depth Interval,
Feet

Description

888.0 - 895.3	Brown shaly sandstone.
895.3 - 896.1	Brown slightly shaly sandstone.
896.1 - 899.9	Brown shaly sandstone.
899.9 - 905.6	Grayish brown sandy shale.
905.6 - 906.7	Brown shaly sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Sample No.	Depth, Feet	Effective Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.	Feet of Sand		Total Oil Content	Perm. Capacity Ft. X md.
			Oil	Water	Total			Ft.	Cum. Ft.		
1	888.5	14.2	27	39	66	297	1.4	1.0	1.0	297	1.40
2	889.5	18.1	44	17	61	618	1.8	1.0	2.0	618	1.80
3	890.3	16.7	29	32	61	376	Imp.	1.0	3.0	376	0.00
4	891.5	14.4	18	49	67	201	0.89	1.0	4.0	201	0.89
5	892.5	12.0	23	55	78	214	2.0	1.0	5.0	214	2.00
6	893.5	15.2	27	35	62	318	2.5	1.0	6.0	318	2.50
7	894.4	16.7	34	15	49	441	2.0	1.3	7.3	573	2.60
8	895.5	16.9	37	24	61	485	8.6	0.8	8.1	388	6.88
9	896.3	18.1	31	63	94	195	5.1	1.4	9.5	273	7.14
10	898.5	13.5	20	49	69	210	Imp.	1.4	10.9	294	0.00
11	899.3	13.4	27	45	72	281	Imp.	1.0	11.9	281	0.00
12	906.3	14.6	29	31	60	329	1.3	1.1	13.0	362	1.43

Company North Slope Properties, Ltd.

Lease McIntyre

Well No.

33

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company		North Slope Properties, Ltd.		Lease	McIntyre		Well No.	33
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.					
888.0 - 906.7	9.6	2.8	26.64					
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Porosity	Average Percent Oil Saturation	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbla./Acre		
888.0 - 906.7	13.0	15.3	28.6	38.6	323	4,195		