

OILFIELD RESEARCH LABORATORIES

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

March 19, 1980

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

Gentlemen:

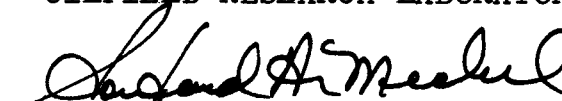
Enclosed herewith are the results of tests run on the rotary core taken from the McIntyre Lease, Well No. 43, Allen County, Kansas and submitted to our laboratory on March 13, 1980.

The core was sampled by a representative of Oilfield Research Laboratories after it was received in the laboratory.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES


Sanford A. Michel

SAM/kas
5 c to Iola, Kansas

- REGISTERED ENGINEERS -

CORE ANALYSIS - WATER ANALYSIS - REPRESSURING ENGINEERING - SURVEYING & MAPPING - PROPERTY EVALUATION & OPERATION

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GENERAL INFORMATION & SUMMARY

Company North Slope Properties, Ltd. Lease McIntyre Well No. 43

Location 165' NL & 765' EL SW $\frac{1}{4}$

Section 31 Twp. 23S Rge. 19E County Allen State Kansas

Elevation, Feet	
Name of Sand	Bartlesville
Top of Core	892.0
Bottom of Core	908.7
Top of Sand	892.0
Bottom of Sand	905.1
Total Feet of Permeable Sand	11.3

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 16	3.2	3.2
25 - 35	3.0	6.2
35 - 60	4.1	10.3
100 & Above	1.0	11.3

Average Permeability Millidarcys	36.1
Average Percent Porosity	16.6
Average Percent Oil Saturation	32.9
Average Percent Water Saturation	49.9
Average Oil Content, Bbls./A. Ft.	457.
Total Oil Content, Bbls./Acre	5,570.

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LOG

Name North Slope Properties, Ltd. Lease McIntyre Well No. 43

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
892.0 - 893.3	Light brown sandstone.
893.3 - 894.2	Brown shaly sandstone.
894.2 - 895.1	Gray sandy shale.
895.1 - 896.0	Grayish brown shaly sandstone.
896.0 - 905.1	Brown sandstone.
905.1 - 905.9	Coal.
905.9 - 908.7	Gray sandy shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE I-B

Company North Slope Properties, Ltd. Lease McIntyre Well No. 43

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	892.6	12.6	12	74	86	117	15.	1.3	1.3	152	19.50
2	893.6	9.8	29	69	98	221	Imp.	0.9	2.2	199	0.00
3	895.5	9.4	6	72	78	44	8.2	0.9	3.1	40	7.38
4	896.8	13.1	28	70	98	285	11.	1.0	4.1	285	11.00
5	897.6	19.9	43	33	76	664	33.	1.0	5.1	664	33.00
6	898.5	19.7	42	36	78	642	38.	1.0	6.1	642	38.00
7	899.5	20.0	39	37	76	605	56.	1.0	7.1	605	56.00
8	900.5	19.0	44	36	80	649	46.	1.0	8.1	649	46.00
9	901.5	18.5	46	37	83	660	28.	1.0	9.1	660	28.00
10	902.5	21.3	43	33	76	711	101.	1.0	10.1	711	101.00
11	903.5	15.6	27	58	85	327	26.	1.0	11.1	327	26.00
12	904.5	19.6	38	41	79	578	38.	1.1	12.2	636	41.80

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Lease	Well No.					
North Slope Properties, Ltd.	McIntyre	43					
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.	Average Percent Porosity	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbls./Acre
892.0 - 905.1	11.3	36.1	407.68				
892.0 - 905.1	12.2	32.9	49.9	16.6	32.9	457	5,570