



# OILFIELD RESEARCH LABORATORIES

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

July 13, 1979

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

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Dunlap Lease, Well No. 19, Allen County, Kansas, and submitted to our laboratory on July 11, 1979.

The core was sampled and sealed in plastic bags by a representative of the client.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

*Benjamin R. Pearman*  
Benjamin R. Pearman

BRP:km  
5 c to Iola, Kansas

- REGISTERED ENGINEERS -

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



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Company North Slope Properties, Ltd. Lease Dunlap Well No. 19

<u>Depth Interval, Feet</u>	<u>Description</u>
947.0 - 947.3	Gray and brown laminated shale and sandstone.
947.3 - 947.6	Brown sandstone.
947.6 - 948.8	Gray sandy shale.
948.8 - 956.3	Brown sandstone.
956.3 - 958.4	Light brown sandy conglomerate laminated with thin coal streaks.
958.4 - 958.5	Coal.
958.5 - 958.6	Brown sandstone.

**Oilfield Research Laboratories**

**RESULTS OF SATURATION & PERMEABILITY TESTS**

**TABLE 1-B**

Company North Slope Properties, Ltd. Lease Dunlap Well No. 19

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			Ft.	Cum. Ft.		
1	947.5	18.6	38	54	548	62.	0.3	0.3	164	18.60
2	949.6	19.4	45	51	677	145.	1.2	1.5	813	174.00
3	950.8	18.8	46	43	671	87.	1.0	2.5	671	87.00
4	952.0	19.8	42	45	645	106.	1.5	4.0	968	159.00
5	953.2	16.9	45	50	590	25.	1.5	5.5	885	37.50
6	954.3	18.8	48	45	700	76.	1.0	6.5	700	76.00
7	956.0	14.7	50	47	570	34.	1.3	7.8	741	44.20
8	958.3	11.6	53	44	477	1.1	1.0	8.8	477	1.10

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## SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Lease	Dunlap	Well No.	
North Slope Properties, Ltd.			19	
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.	
947.3 - 958.4	8.8	67.9	597.40	
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbls./Acre
947.3 - 958.4	8.8	46.4	46.9	5,419