



OILFIELD RESEARCH LABORATORIES

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

July 27, 1979

Moore & Jones
Route 1, Box 81A
Longton, Kansas 67352

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Amsbury Lease, Well No. B-1, Elk County, Kansas, and submitted to our laboratory on July 24, 1979.

The core was sampled by a representative of Oilfield Research Laboratories. The core was out of the ground approximately 48 hours before being delivered to the laboratory.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES


Benjamin R. Pearman

SAM:dlb

5 c to Longton, Kansas

- REGISTERED ENGINEERS -

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

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GENERAL INFORMATION & SUMMARY

Company Moore & Jones Lease Amsbury Well No. B-1

Location NW NE SE

Section 3 Twp. 31S Rge. 12E County Elk State Kansas

Name of Sand - - - - - Peru

Top of Core - - - - - 1,064.0

Bottom of Core - - - - - 1,073.8

Top of Sand - - - - - (Analyzed) 1,064.6

Bottom of Sand - - - - - (Analyzed) 1,071.0

Total Feet of Permeable Sand - - - - - 4.6

Total Feet of Floodable Sand - - - - -

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

0 - 5
5 - 10

4.2
0.4

4.2
4.6

Average Permeability Millidarcys - - - - - 3.3

Average Percent Porosity - - - - - 14.4

Average Percent Oil Saturation - - - - - 18.8

Average Percent Water Saturation - - - - - 44.7

Average Oil Content, Bbls./A. Ft. - - - - - 210.

Total Oil Content, Bbls./Acre - - - - - 964.

Average Percent Oil Recovery by Laboratory Flooding Tests - - - - -

Average Oil Recovery by Laboratory Flooding Tests, Bbls./A. Ft. - - - - -

Total Oil Recovery by Laboratory Flooding Tests, Bbls./Acre - - - - -

Total Calculated Oil Recovery, Bbls./Acre - - - - -

Packer Setting, Feet - - - - -

Viscosity, Centipoises @ - - - - -

A. P. I. Gravity, degrees @ 60 °F - - - - -

Elevation, Feet - - - - -

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LOG

Company Moore & Jones Lease Amsbury Well No. B-1

<u>Depth Interval, Feet</u>	<u>Description</u>
1064.0 - 1064.6	Gray shaly slightly calcareous sandstone.
1064.6 - 1065.4	Light brown shaly sandstone.
1065.4 - 1066.0	Gray sandy calcareous shale.
1066.0 - 1069.0	Light brown slightly calcareous very shaly sandstone.
1069.0 - 1070.2	Dark gray slightly calcareous sandy shale.
1070.2 - 1071.0	Light brown slightly calcareous very shaly sandstone.
1071.0 - 1073.8	Gray and black laminated slightly calcareous sandstone and shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Moore & Jones Lease Amsbury Well No. B-1

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	1064.9	12.5	14	43	57	136	3.1	0.4	0.4	54	1.24
2	1065.3	15.8	8	41	49	98	10.	0.4	0.8	39	4.00
3	1066.9	15.3	21	29	50	249	4.2	1.0	1.8	249	4.20
4	1067.9	15.0	21	53	74	244	3.3	1.0	2.8	244	3.30
5	1068.9	13.4	19	51	70	198	1.4	1.0	3.8	198	1.40
6	1070.9	13.8	21	49	70	225	1.2	0.8	4.6	180	0.96

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company		Lease		Well No.	
Moore & Jones		Amsbury		B-1	
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.		
1064.6 - 1071.0	4.6	3.3	15.10		
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Porosity	Average Percent Oil Saturation	Average Percent Water Saturation	Total Oil Content Bbls./Acre
1064.6 - 1071.0	4.6	14.4	18.8	44.7	964
				210	