

OILFIELD RESEARCH LABORATORIES

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

August 27, 1979

Yenom Oil Company
841 N Broadway
Wichita, Kansas 67214

Gentlemen:

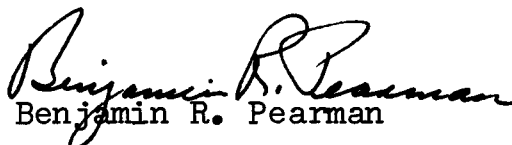
Enclosed herewith are the results of tests run on the rotary core taken from the C. Jackson Lease, Well No. 3, Allen County, Kansas, and submitted to our laboratory on August 22, 1979.

This core was sampled by a representative of Oilfield Research Laboratories.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES


Benjamin R. Pearman

SAM:cgb

4 c to Wichita, Kansas
1 c to Chanute, Kansas

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GENERAL INFORMATION & SUMMARY

Company Yenom Oil Company Lease C. Jackson Well No. 3

Location 165' EWL & 990' NSL W $\frac{1}{2}$ SE $\frac{1}{4}$

Section 17 Twp. 26S Rge. 21E County Allen State Kansas

Name of Sand - - - - - Bartlesville

Top of Core - - - - - 707.0

Bottom of Core - - - - - 726.0

Top of Sand - - - - - 707.0

Bottom of Sand - - - - - 712.5

Total Feet of Permeable Sand - - - - - 3.6

Total Feet of Floodable Sand - - - - -

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

0 - 5
30 - 60

1.3
2.3

1.3
3.6

Average Permeability Millidarcys - - - - - 31.3

Average Percent Porosity - - - - - 14.4

Average Percent Oil Saturation - - - - - 16.0

Average Percent Water Saturation - - - - - 60.9

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

Total Oil Content, Bbls./Acre - - - - - 1,155.

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 Yenom Oil Company Lease C. Jackson Well No. 3

<u>Depth Interval, Feet</u>	<u>Description</u>
707.0 - 709.3	Brown sandstone.
709.3 - 710.6	Light brown shaly sandstone.
710.6 - 712.5	Grayish sandy limestone.
712.5 - 713.5	Black shale.
713.5 - 716.0	Rotten gray shale.
716.0 - 719.5	Gray sandy shale.
719.5 - 720.5	Dark carbonaceous shaly sandstone.
720.5 - 726.0	Gray sandy shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Yenom Oil Company Lease C. Jackson Well No. 3

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	707.5	20.9	20	43	63	58.	1.0	1.0	324	58.00
2	708.5	18.5	27	50	77	39.	1.3	2.3	504	50.70
3	709.5	16.0	15	67	82	3.1	0.7	3.0	130	2.17
4	710.5	14.7	21	56	77	2.9	0.6	3.6	144	1.74
5	711.5	7.3	5	77	82	Imp.	1.9	5.5	53	0.00

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company <u>Yenom Oil Company</u>		Lease <u>C. Jackson</u>		Well No. <u>3</u>	
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.		
707.0 - 712.5	3.6	31.3	112.61		

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 Bbls./Acre
707.0 - 712.5	5.5	14.4	16.0	60.9	210	1,155