



OILFIELD RESEARCH LABORATORIES

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

August 16, 1979

Yenom Oil Company
841 North Broadway
Wichita, Kansas 67214

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Clifton E. Jackson Lease, Well No. 1, Allen County, Kansas, and submitted to our laboratory on August 14, 1979.

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

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Benjamin R. Pearman
Benjamin R. Pearman

BRP:dlb

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

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GENERAL INFORMATION & SUMMARY

Company <u>Yenom Oil Company</u>	Lease <u>Clifton E. Jackson</u> Well No. <u>1</u>
Location <u>165' EWL & 815' NSL W$\frac{1}{2}$ SE</u>	
Section <u>17</u> Twp. <u>26S</u> Rge. <u>21E</u>	County <u>Allen</u> State <u>Kansas</u>
Name of Sand	Bartlesville
Top of Core	683.0
Bottom of Core	706.5
Top of Sand	694.5
Bottom of Sand	706.5
Total Feet of Permeable Sand	9.1
Total Feet of Floodable Sand	
Distribution of Permeable Sand:	
Permeability Range Millidarcys	Feet Cum. Ft.
1 - 4	1.7 1.7
12 - 20	2.0 3.7
20 - 40	2.2 5.9
108 - 175	3.2 9.1
Average Permeability Millidarcys	60.8
Average Percent Porosity	16.6
Average Percent Oil Saturation	23.6
Average Percent Water Saturation	54.9
Average Oil Content, Bbls./A. Ft.	302.
Total Oil Content, Bbls./Acre	2,754.
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 Clifton E. Jackson Well No. 1

<u>Depth Interval, Feet</u>	<u>Description</u>
683.0 - 687.7	Black shale.
687.7 - 688.3	Coal.
688.3 - 693.2	Gray slightly sandy shale.
693.2 - 694.5	Gray and light brown laminated shale and sandstone.
694.5 - 697.7	Light brown sandstone.
697.7 - 699.0	Gray sandy shale.
699.0 - 699.5	Light brown shaly sandstone.
699.5 - 700.0	Gray sandy shale.
700.0 - 701.0	Brown shaly sandstone.
701.0 - 704.2	Brown sandstone.
704.2 - 704.7	Brown and gray calcareous sandy conglomerate.
704.7 - 705.8	Gray limestone.
705.8 - 706.5	Brown and gray calcareous sandy conglomerate.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Yenom Oil Company Lease Clifton E. Jackson Well No. 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	694.8	17.4	4	57	61	54	27.	0.5	0.5	27	13.50
2	695.4	16.3	12	55	67	152	12.	1.0	1.5	152	12.00
4	696.5	15.2	18	57	75	212	36.	1.0	2.5	212	36.00
4	697.5	17.8	16	52	68	221	39.	0.7	3.2	155	27.30
5	699.4	14.1	28	54	82	306	19.	0.5	3.7	153	9.50
6	700.2	13.8	25	61	86	268	1.3	1.0	4.7	268	1.30
7	701.4	14.5	39	56	95	439	108.	1.0	5.7	439	108.00
8	702.5	19.4	26	46	72	391	123.	1.0	6.7	391	123.00
9	703.5	19.0	30	47	77	442	175.	1.2	7.9	531	210.00
10	704.3	16.4	37	45	82	471	20.	0.5	8.4	236	10.00
11	706.4	18.4	19	77	96	271	3.9	0.7	9.1	190	2.73

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company		Lease		Clifton E. Jackson		Well No.	
Yenom Oil Company						1	
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Porosity	Average Percent Oil Saturation	Average Percent Water Saturation	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.	Total Oil Content Bbls./Acre
694.5 - 701.0	4.7	15.7	17.5	56.4	21.2	99.60	967
701.0 - 706.5	4.4	17.7	30.2	53.4	103.0	453.73	1,787
694.5 - 706.5	9.1	16.6	23.6	54.9	60.8	553.33	2,754