



OILFIELD RESEARCH LABORATORIES

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

December 7, 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 Conrad Jackson Lease, Well No. 4, Allen County, Kansas and submitted to our laboratory on December 4, 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/tem
3 c to Wichita, Kansas
1 c to Chanute, Kansas
1 c to Hileah, Florida

- REGISTERED ENGINEERS -

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

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GENERAL INFORMATION & SUMMARY

Company Yenom Oil Company Lease Conrad Jackson Well No. 4

Location 165' WEL & 1465' NSL SW

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

Name of Sand	-	Bartlesville
Top of Core	-	700.0
Bottom of Core	-	713.0
Top of Sand	-	700.0
Bottom of Sand	-	712.0
Total Feet of Permeable Sand	-	12.0
Total Feet of Floodable Sand	-	

Distribution of Permeable Sand:
Permeability Range
Millidarcys

	Feet	Cum. Ft.
0 - 12	4.3	4.3
12 - 24	1.7	6.0
24 - 30	2.0	8.0
90 - 105	2.0	10.0
105 & Above	2.0	12.0

Average Permeability Millidarcys	-	52.6
Average Percent Porosity	-	17.9
Average Percent Oil Saturation	-	33.7
Average Percent Water Saturation	-	48.7
Average Oil Content, Bbls./A. Ft.	-	460.
Total Oil Content, Bbls./Acre	-	5,521.
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

Name Yenom Oil Company Lease Conrad Jackson Well No. 4

Depth Interval,
Feet

Description

700.0 - 701.0

Light brown shaly sandstone containing a vertical fracture.

701.0 - 705.7

Brown slightly shaly sandstone containing a vertical fracture.

705.7 - 708.0

Light brown shaly sandstone.

708.0 - 712.0

Brown sandstone.

712.0 - 713.0

Black shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Yenom Oil Company

Lease Conrad Jackson

Well No. 4

Sample No.	Depth, Feet	Effective Porosity Percent	Percent Saturation			Oil Content Bbbs. / A Ft.	Perm., Mill.	Feet of Sand		Total Oil Content	Perm. Capacity Ft. X md.
			Oil	Water	Total			Ft.	Cum. Ft.		
1	700.5	16.3	27	52	79	341	2.8	1.0	1.0	341	2.80
2	701.5	17.0	23	53	76	303	11.	1.0	2.0	303	11.00
3	702.5	18.4	27	54	81	385	19.	1.0	3.0	385	19.00
4	703.5	18.9	23	57	80	337	28.	1.0	4.0	337	28.00
5	704.5	18.3	30	47	77	426	26.	1.0	5.0	426	26.00
6	705.5	18.0	37	41	78	517	21.	0.7	5.7	362	14.70
7	706.5	15.7	39	51	90	475	8.0	1.3	7.0	618	10.40
8	707.5	10.7	51	43	94	423	4.0	1.0	8.0	423	4.00
9	708.5	21.6	33	42	75	553	92.	1.0	9.0	553	92.00
10	709.5	21.1	32	49	81	524	195.	1.0	10.0	524	195.00
11	710.5	20.1	50	45	95	790	127.	1.0	11.0	780	127.00
12	711.5	18.9	32	47	79	469	101.	1.0	12.0	469	101.00

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Lease	Well No.	4
Yenom Oil Company	Conrad Jackson		
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
700.0 - 712.0	12.0	52.6	630.90
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Porosity	Average Percent Water Saturation
700.0 - 712.0	12.0	17.9	33.7
Average Percent Porosity	Average Percent Oil Saturation	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.
17.9	33.7	48.7	460
Total Oil Content Bbls./Acre			
5,521			