



OILFIELD RESEARCH LABORATORIES

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

April 24, 1981

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 Dotson Lease, Well No. 15, located in Bourbon County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and was submitted to our laboratory on April 16, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/kas

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

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GENERAL INFORMATION & SUMMARY

Company Yenom Oil Company Lease Dotson Well No. 15
 Location 1815' EWL & 165' NSL
 Section 26 Twp. 26S Rge. 21E County Bourbon State Kansas

Elevation, Feet
 Name of Sand Cattleman
 Top of Core 635.0
 Bottom of Core 643.9
 Top of Sand 635.0
 Bottom of Sand 642.8
 Total Feet of Permeable Sand 7.8

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
26 - 45	3.9	3.9
55 - 80	2.0	5.9
120 - 150	1.9	7.8

Average Permeability Millidarcys 68.4
 Average Percent Porosity 19.6
 Average Percent Oil Saturation 44.5
 Average Percent Water Saturation 27.1
 Average Oil Content, Bbls./A. Ft. 670.
 Total Oil Content, Bbls./Acre 5,227.

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LOGName Yenom Oil Company Lease Dotson Well No. 15

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
635.0 - 636.1	Brown slightly calcareous sandstone with fine shale partings.
636.1 - 642.8	Brown slightly calcareous sandstone.
642.8 - 643.9	Gray shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Yenom Oil Company Lease Dotson Well No. 15

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	635.3	17.5	30	49	79	407	26.	1.1	1.1	448	28.60
2	636.3	22.0	32	30	62	546	43.	0.8	1.9	437	34.40
3	637.5	18.8	52	23	75	758	55.	1.0	2.9	758	55.00
4	638.6	20.6	29	30	59	464	123.	1.0	3.9	464	123.00
5	639.5	17.7	67	26	93	920	42.	1.0	4.9	920	42.00
6	640.8	20.4	59	13	72	934	77.	1.0	5.9	934	77.00
7	641.5	20.6	37	28	65	591	145.	0.9	6.8	532	130.50
8	642.5	19.7	48	16	64	734	43.	1.0	7.8	734	43.00

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Yenom Oil Company	Lease	Dotson	Well No.	15
	Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.	
	635.0 - 642.8	7.8	68.4	533.50	
	Depth Interval, Feet	Feet of Core Analyzed	Average Percent Oil Saturation	Average Percent Water Saturation	Total Oil Content Bbls./Acre
	635.0 - 642.8	7.8	44.5	27.1	5,227