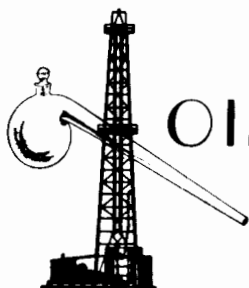


22-16-24E



OILFIELD RESEARCH LABORATORIES

536 NORTH HIGHLAND - CHANUTE, KANSAS - PHONE HE1-2650

September 8, 1966

W. M. Dary
Box 389
San Bernardino, California

Dear Sir:

Enclosed herewith are the results of tests run on the Rotary core taken from the Barkis Lease, Well No. 3, Miami County, Kansas, and submitted to our laboratory on September 3, 1966.

This core was sampled and the samples sealed in plastic bags by a representative of the client. The well was drilled in virgin territory.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Benjamin R. Pearman
Benjamin R. Pearman

BRP:rf

2 c. - San Bernardino, Calif.
3 c. - Raymond Kline

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company W. M. Dary Lease Barkis Well No. 3

Location _____

Section 22 Twp. 16S Rge. 24E County Miami State Kansas

Name of Sand	- - - - -	Peru
Top of Core	- - - - -	443.0
Bottom of Core	- - - - -	469.0
Top of Sand	- - - - - (Tested) - - - - -	443.0
Bottom of Sand	- - - - -	453.3
Total Feet of Permeable Sand	- - - - -	9.2
Total Feet of Floodable Sand	- - - - -	

Distribution of Permeable Sand:
Permeability Range
Millidarcys

	Feet	Cum. Ft.
0 - 20	3.2	3.2
20 - 50	1.8	5.0
50 - 100	1.4	6.4
100 & above	2.8	9.2

Average Permeability Millidarcys	- - - - -	56.0
Average Percent Porosity	- - - - -	15.0
Average Percent Oil Saturation	- - - - -	24.0
Average Percent Water Saturation	- - - - -	61.6
Average Oil Content, Bbls./A. Ft.	- - - - -	263.
Total Oil Content, Bbls./Acre	- - - - -	5,398.
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	- - - - -	

-LOG-Company W. M. Dary Lease Barkis Well No. 3Depth Interval, Description
Feet

443.0 - 444.2 - Light brown, slightly shaly sandstone.

444.2 - 445.5 - Grayish light brown, laminated, sandy shale.

445.5 - 449.5 - Light brown, laminated, slightly shaly sandstone.

449.5 - 450.8 - Brown, calcareous sandstone.

450.8 - 451.8 - Gray calcareous sandstone.

451.8 - 453.3 - Light brown, slightly calcareous sandstone.

453.3 - 461.8 - Gray sandy limestone.

461.8 - 469.0 - Gray sandy shale.

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company		W. M. Dary		Lease		Barkis		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	Total			Ft.	Cum. Ft.		
1	443.2	21.4	22	57	79	365	27.	0.5	0.5	183	13.50
2	444.0	20.8	20	65	85	323	78.	0.7	1.2	226	54.60
3	445.0	15.1	15	82	97	176	Imp.	1.3	2.5	229	0.00
4	446.0	24.2	22	58	80	413	101.	1.0	3.5	413	101.00
5	447.0	25.1	27	45	72	526	12.	1.0	4.5	526	12.00
6	448.0	19.9	24	59	83	371	11.	1.0	5.5	371	11.00
7	449.0	27.6	28	44	72	600	119.	1.0	6.5	600	119.00
8	450.0	6.5	53	37	90	267	36.	1.3	7.8	347	46.80
9	451.0	5.3	39	39	78	163	Imp.	1.0	8.8	163	0.00
10	452.0	20.4	24	56	80	380	55.	0.7	9.5	266	38.50
11	453.0	19.3	33	52	85	494	147.	0.8	10.3	396	117.60
12	454.0	16.2	22	66	88	277	0.42	1.2	11.5	332	0.50
13	455.0	15.4	24	72	96	286	Imp.	1.0	12.5	286	0.00
14	456.0	12.8	10	86	96	98	Imp.	1.0	13.5	98	0.00
15	457.0	6.7	43	39	82	224	Imp.	1.0	14.5	224	0.00
16	458.0	6.3	24	50	74	61	Imp.	1.0	15.5	61	0.00
17	459.0	12.7	11	76	87	108	Imp.	1.0	16.5	108	0.00
18	460.0	12.1	6	81	87	56	Imp.	1.0	17.5	56	0.00
19	461.0	13.2	27	70	97	276	Imp.	1.3	18.8	358	0.00
20	462.0	14.2	17	78	95	187	Imp.	0.7	19.5	131	0.00
21	463.0	10.2	3	78	81	24	Imp.	1.0	20.5	24	0.00
Total										5,398	

Oilfield Research Laboratories

SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	W. M. Dary	Lease	Barkis	Well No.	3		
	Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.			
	443.0 - 453.3	8.0	64.2	514.00			
	453.3 - 463.5	1.2	0.42	0.50			
	443.0 - 463.5	9.2	56.0	514.50			
	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
	443.0 - 453.3	10.3	18.0	28.8	53.8	361	3,720
	453.3 - 463.5	10.2	12.0	19.1	69.4	164	1,678
	443.0 - 463.5	20.5	15.0	24.0	61.6	263	5,398