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

February 21, 1980

Fayne Caylor
Box 24
Ottawa, Kansas 66067

Gentlemen:

Enclosed herewith are the results of tests run on the rotary cores taken from the Alice Caylor Lease, Well No. 2, Miami County, Kansas, and submitted to our laboratory on February 13, 1980.

The cores were sampled and sealed in plastic bags by a representative of the client.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/kas
5 c to Ottawa, Kansas

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GENERAL INFORMATION & SUMMARY

Company Fayne Caylor Lease Alice Caylor Well No. 2

Location 1020' NSL & 450' EWL NW¼

Section 31 Twp. 17S Rge. 22E County Miami State Kansas

Elevation, Feet		-
Name of Sand	Peru	Squirrel
Top of Core	323.0	480.0
Bottom of Core	340.0	500.0
Top of Sand	323.0	481.8
Bottom of Sand	332.2	491.8
Total Feet of Permeable Sand	6.9	8.0

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
	PERU SAND	
0 - 15	1.7	1.7
70 - 80	2.8	4.5
110 & Above	2.4	6.9
	SQUIRREL SAND	
0 - 2	4.6	4.6
4 & Above	3.4	8.0

Average Permeability Millidarcys	82.7	3.7
Average Percent Porosity	19.3	17.4
Average Percent Oil Saturation	41.3	34.7
Average Percent Water Saturation	29.8	46.7
Average Oil Content, Bbls./A. Ft.	620.	476.
Total Oil Content, Bbls./Acre	4,713.	4,286.

LOG

Name Fayne Caylor Lease Alice Caylor Well No. 2

Depth Interval, Feet	Description
	PERU SAND
323.0 - 323.7	Brown sandstone.
323.7 - 324.3	Brown shaly sandstone.
324.3 - 324.9	Gray sandy shale.
324.9 - 325.7	Brown and gray shale and calcareous sandstone.
325.7 - 326.1	Gray sandy shale.
326.1 - 327.0	Grayish brown shaly sandstone.
327.0 - 330.1	Dark brown calcareous sandstone.
330.1 - 330.8	Grayish brown shaly sandstone.
330.8 - 332.2	Dark brown calcareous sandstone.
332.2 - 340.0	Gray limestone.
	SQUIRREL SAND
480.0 - 481.8	Gray sandy shale.
481.8 - 482.8	Brown slightly shaly sandstone.
482.8 - 483.4	Gray sandy shale.
483.4 - 484.7	Brown shaly sandstone.
484.7 - 485.7	Brown slightly shaly sandstone.
485.7 - 486.1	Gray sandy shale.
486.1 - 487.1	Brown shaly sandstone.
487.1 - 487.9	Brown slightly shaly sandstone.
487.9 - 491.8	Brown and gray laminated sandstone and shale.
491.8 - 500.0	Gray sandy shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Fayne Caylor Lease Alice Caylor Well No. 2

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.		
						PERU SAND					
1	323.5	25.4	43	25	68	847	78.	0.7	0.7	593	54.60
2	325.4	17.2	37	50	87	494	13.	0.8	1.5	395	10.40
3	326.4	17.2	44	32	76	587	3.4	0.9	2.4	528	3.06
4	327.4	20.7	43	33	76	691	111.	1.0	3.4	691	111.00
5	328.5	19.3	45	14	59	674	76.	1.0	4.4	674	76.00
6	329.6	18.2	40	33	73	565	72.	1.1	5.5	622	79.20
7	330.6	7.2	40	33	73	223	Imp.	0.7	6.2	156	0.00
8	331.5	24.9	39	24	63	753	169.	1.4	7.6	1054	236.60
						SQUIRRELL SAND					
1	482.5	20.7	42	29	71	675	8.7	1.0	1.0	675	8.70
2	483.5	19.7	40	35	75	611	4.8	0.6	1.6	367	2.88
3	484.4	17.6	40	42	82	546	0.57	0.7	2.3	382	0.40
4	485.5	19.6	40	32	72	608	6.3	1.0	3.3	608	6.30
5	486.3	12.6	43	52	95	420	1.6	1.0	4.3	420	1.60
6	487.7	18.9	46	36	82	675	8.5	0.8	5.1	540	6.80
7	488.5	16.6	16	63	79	206	0.92	1.1	6.2	227	1.01
8	489.4	19.2	40	33	73	596	1.5	1.0	7.2	596	1.50
9	490.4	14.5	23	71	94	259	Imp.	1.0	8.2	259	0.00
10	491.5	15.5	22	69	91	265	0.58	0.8	9.0	212	0.46

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company Fayne Caylor Lease Alice Caylor Well No. 2

Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
	PERU SAND		
323.0 - 332.2	6.9	82.7	570.86
	SQUIRREL SAND		
481.8 - 491.8	8.0	3.7	29.65

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
			PERU SAND			
323.0 - 332.2	7.6	19.3	41.3	29.8	620	4,713
			SQUIRREL SAND			
481.8 - 491.8	9.0	17.4	34.7	46.7	476	4,286