OILFIELD RESEARCH LABORATORIES
536 NORTH HIGHLAND - CHANUTE, KANSAS - PHONE HE1-2650

June 13, 1967

Mr. Stan Cannan
701 South Highland
Chanute, Kansas

Dear Sir:

Enclosed herewith are the results of tests run on the Rotary core taken from the Glenn Thompson Lease, Well No. 1, Bourbon County, Kansas, and submitted to our laboratory on June 4, 1967.

This core was sampled after being received in the laboratory. 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

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GENERAL INFORMATION & SUMMARY

Company Stan Cannan Lease Glenn Thompson Well No. 1

Location SW SW SE

Section 25 Twp. 24S Rge. 21E County Bourbon State Kansas

Name of Sand	Bartlesville
Top of Core	616.0
Bottom of Core	651.5
Top of Sand (Tested)	624.6
Bottom of Sand (Tested)	651.5
Total Feet of Permeable Sand (Tested)	14.0
Total Feet of Floodable Sand	

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 1	2.0	2.0
1 - 5	6.0	8.0
12 - 50	3.0	11.0
50 & above	3.0	14.0

Average Permeability Millidarcys	20.2
Average Percent Porosity	18.2
Average Percent Oil Saturation	33.3
Average Percent Water Saturation	45.1
Average Oil Content, Bbls./A. Ft.	469.
Total Oil Content, Bbls./Acre	6,569.
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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Company Stan Cannan Lease Glenn Thompson Well No. 1

Depth Interval, Feet	Description
616.0 - 628.8	Gray shaly sandstone.
628.8 - 635.0	Grayish light brown, shaly sandstone.
635.0 - 638.0	Brown shaly sandstone.
638.0 - 639.0	Grayish brown, laminated, shaly sandstone.
639.0 - 640.0	Brown shaly sandstone.
640.0 - 641.0	Grayish light brown, laminated, shaly sandstone.
641.0 - 642.0	Brown sandstone.
642.0 - 643.0	Gray sandy shale.
643.0 - 645.3	Brown sandstone.
645.3 - 647.0	Light brown, shaly sandstone.
647.0 - 649.4	Brown shaly sandstone.
649.4 - 651.5	Dark carbonaceous sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Stan Cannan Lease Glenn Thompson 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	625.1	21.8	15	54	69	254	73.	1.0	1.0	254	73.00
2	627.1	20.2	16	46	62	251	58.	1.0	2.0	251	58.00
3	629.1	20.7	29	45	74	466	41.	1.0	3.0	466	41.00
4	631.1	15.1	33	57	90	386	1.1	1.0	4.0	386	1.10
5	633.1	18.3	38	42	80	539	3.4	1.0	5.0	539	3.40
6	635.1	18.1	41	57	98	574	3.8	1.0	6.0	574	3.80
7	637.1	19.3	39	43	82	584	13.	1.0	7.0	584	13.00
8	639.1	17.9	31	48	79	430	4.7	1.0	8.0	430	4.70
9	641.1	16.9	36	47	83	471	0.25	1.0	9.0	471	0.25
10	643.1	16.0	35	24	59	434	3.3	1.0	10.0	434	3.30
11	645.1	20.8	52	20	72	839	66.	1.0	11.0	839	66.00
12	647.1	16.4	32	63	95	407	12.	1.0	12.0	407	12.00
13	649.1	15.7	25	57	82	304	0.88	1.0	13.0	304	0.88
14	651.1	18.5	44	28	72	630	1.6	1.0	14.0	630	1.60
								Total		6,569	

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company Stan Cannan Lease Glenn Thompson Well No. 1

Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
624.6 - 651.5	14.0	20.2	282.03

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
624.6 - 651.5	14.0	18.2	33.3	45.1	469	6,569