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

March 24, 1967

George E. Sauder
P.O. Box 31
Madison, Kansas 66860

Dear Sir:

Enclosed herewith are the results of tests run on the Rotary core samples taken from the Warren Lease, Well No. 1, Greenwood County, Kansas, and submitted to our laboratory on March 22, 1967.

This core was sampled and the samples sealed in plastic bags by a representative of the client.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Benjamin R. Pearman

Benjamin R. Pearman

BRP:rf

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Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company George E. Sauder Lease Warren Well No. 1

Location NW SW NW

Section 6 Twp. 23S Rge. 11E County Greenwood State Kansas

Name of Sand	Bartlesville
Top of Core	2024.5
Bottom of Core	2037.5
Top of Sand (Tested)	2024.5
Bottom of Sand (Tested)	2037.5
Total Feet of Permeable Sand	13.0
Total Feet of Floodable Sand	

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
6 - 10	4.0	4.0
10 - 30	4.0	8.0
30 - 50	3.0	11.0
50 - 100	1.0	12.0
100 & above	1.0	13.0

Average Permeability Millidarcys	36.3
Average Percent Porosity	17.7
Average Percent Oil Saturation	43.4
Average Percent Water Saturation	41.6
Average Oil Content, Bbls./A. Ft.	586.
Total Oil Content, Bbls./Acre	7,627.
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 George E. Sauder Lease Warren Well No. 1

Depth Interval, Feet	Description
2024.5 - 2037.5	Brown, slightly carbonaceous, calcareous, conglomeratic sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company George E. Sauder Lease Warren 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	2025.0	17.1	36	50	86	477	8.6	1.0	1.0	477	8.60
2	2026.0	17.3	60	38	98	804	40.	1.0	2.0	804	40.00
3	2027.0	17.3	30	39	69	402	25.	1.0	3.0	402	25.00
4	2028.0	17.9	55	42	97	764	6.1	1.0	4.0	764	6.10
5	2029.0	18.5	43	39	82	616	8.9	1.0	5.0	616	8.90
6	2030.0	20.0	41	36	77	636	25.	1.0	6.0	636	25.00
7	2031.0	16.6	52	30	82	669	12.	1.0	7.0	669	12.00
8	2032.0	19.3	33	45	78	494	89.	1.0	8.0	494	89.00
9	2033.0	20.1	59	36	95	919	40.	1.0	9.0	919	40.00
10	2034.0	19.0	34	42	76	501	145.	1.0	10.0	501	145.00
11	2035.0	16.0	41	56	97	509	23.	1.0	11.0	509	23.00
12	2036.0	13.3	46	50	96	361	6.5	1.0	12.0	361	6.50
13	2037.0	17.5	35	38	73	475	43.	1.0	13.0	475	43.00
								Total		7,627	