



OILFIELD RESEARCH LABORATORIES

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

May 10, 1967

Aaron L. Sauder
Madison, Kansas

Dear Sir:

Enclosed herewith are the results of tests run on the Rotary core taken from the Charles Knapp Lease, Well No. 1, Coffey County, Kansas, and submitted to our laboratory on May 9, 1967.

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

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Carl L. Pate

CLP:rf

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Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company Aaron Sauder Lease Charles Knapp Well No. 1

Location _____

Section 27 Twp. 22S Rge. 14E County Coffey State Kansas

Name of Sand	Squirrel
Top of Core	1376.5
Bottom of Core	1384.5
Top of Sand (Received)	1376.5
Bottom of Sand (Received)	1384.5
Total Feet of Permeable Sand	7.0
Total Feet of Floodable Sand	

Distribution of Permeable Sand:
Permeability Range
Millidarcys

	Feet	Cum. Ft.
0 - 10	2.0	2.0
10 - 50	2.0	4.0
50 & above	3.0	7.0

Average Permeability Millidarcys	39.3
Average Percent Porosity	19.3
Average Percent Oil Saturation	25.0
Average Percent Water Saturation	55.0
Average Oil Content, Bbls./A. Ft.	364.
Total Oil Content, Bbls./Acre	2,910.
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 Aaron Sauder Lease Charles Knapp Well No. 1

Depth Interval, <u>Feet</u>	<u>Description</u>
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1376.5 - 1377.5	- Brown, laminated, micaceous, shaly sandstone.
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1377.5 - 1382.6	- Brown, fine grained, micaceous sandstone.
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1382.6 - 1384.5	- Grayish brown, fine grained, micaceous sandstone.
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RESULTS OF SATURATION & PERMEABILITY TESTS

Company Aaron Sauder

Charles Knapp

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	1377.0	16.5	35	51	86	448	0.65	1.0	1.0	448	0.65
2	1378.0	15.3	33	49	82	392	Imp.	1.0	2.0	392	0.00
3	1379.0	19.6	20	53	73	304	2.7	1.0	3.0	304	2.70
4	1380.0	16.6	25	49	74	322	10.	1.0	4.0	322	10.00
5	1381.0	20.4	30	54	84	475	24.	1.0	5.0	475	24.00
6	1382.0	20.9	24	60	84	389	56.	1.0	6.0	389	56.00
7	1383.0	21.7	16	63	79	269	72.	1.0	7.0	269	72.00
8	1384.0	23.6	17	61	78	311	110.	1.0	8.0	311	110.00
								Total	-----	2,910	