



OILFIELD RESEARCH LABORATORIES

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

700 NORTH MISSION - OKMULGEE, OKLAHOMA - PHONE SK6-4444

Chanute, Kansas

January 25, 1965

J. R. McLaughlin
927 South Holbrook
Fort Scott, Kansas

Dear Sir:

Attached hereto are the results of tests run on the Cable Tool core taken from the Bowers Lease, Well No. 1, Bourbon County, Kansas, and submitted to our laboratory on January 21, 1965.

This core was sampled and the samples sealed in cans by a representative of Oilfield Research Laboratories. 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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Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company J. R. McLaughlin Lease Bowers Well No. 1

Location NE SW SE

Section 20 Twp. 26S Rge. 25E County Bourbon State Kansas

Name of Sand	Tucker
Top of Core	303.5
Bottom of Core	323.7
Top of Sand (Tested)	303.5
Bottom of Sand (Tested)	312.0
Total Feet of Permeable Sand	8.5
Total Feet of Floodable Sand	

Distribution of Permeable Sand:
Permeability Range
Millidarcys

	Feet	Cum. Ft.
40 - 100	5.5	5.5
100 - 200	2.0	7.5
200 & above	1.0	8.5

Average Permeability Millidarcys	103.2
Average Percent Porosity	21.4
Average Percent Oil Saturation	20.5
Average Percent Water Saturation	54.7
Average Oil Content, Bbls./A. Ft.	338.
Total Oil Content, Bbls./Acre	2,879.
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 J.R. McLaughlin Lease Bowers Well No. 1

Depth Interval, Feet	Description
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301.5 - 303.5	- Drilled.
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303.5 - 310.0	- Brown and gray, slightly shaly sandstone.
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310.0 - 316.5	- Gray, slightly laminated, shaly sandstone.
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316.5 - 323.7	- Gray sandstone (water sandstone).
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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

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	303.6	21.3	24	46	70	396	77.	0.5	0.5	198	38.50
2	304.5	21.1	31	44	75	506	41.	1.0	1.5	506	41.00
3	305.5	21.8	27	48	75	456	57.	1.0	2.5	456	57.00
4	306.5	21.1	23	49	72	376	81.	1.0	3.5	376	81.00
5	307.5	21.8	26	47	73	439	108.	1.0	4.5	439	108.00
6	308.5	21.6	23	49	72	385	202.	1.0	5.5	385	202.00
7	309.5	21.1	8	73	81	131	97.	1.0	6.5	131	97.00
8	310.5	20.8	20	53	73	322	191.	1.0	7.5	322	191.00
9	311.5	21.4	4	79	83	66	62.	1.0	8.5	66	62.00
								Total	2,879		