



2-25-25E ✓

OILFIELD RESEARCH LABORATORIES

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

August 15, 1966

Jones M. Baber
c/o Baber Supply
Owensboro, Kentucky

Dear Sir:

Enclosed herewith are the results of tests run on the Rotary core taken from the Frank Shade Lease, Well No. 1, Bourbon County, Kansas, and submitted to our laboratory on August 11, 1966.

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

Carl L. Pate

CLP:rf

5 c. - Owensboro, Kentucky
6 c. - Gilbert Fouts

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company	Jones M. Baber		Lease	Frank Shade		Well No.	1
Location	NE SE						
Section	2	Twp. ²⁵ 24S	Rge.	25E	County	Bourbon	State Kansas
Name of Sand							Tucker
Top of Core							216.5
Bottom of Core							234.5
Top of Sand	(Cored)						216.5
Bottom of Sand							221.0
Total Feet of Permeable Sand							4.5
Total Feet of Floodable Sand							
Distribution of Permeable Sand:			Feet			Cum. Ft.	
Permeability Range							
Millidarcys							
0 - 100			2.5			2.5	
100 & above			2.0			4.5	
Average Permeability Millidarcys							94.8
Average Percent Porosity							23.3
Average Percent Oil Saturation							48.7
Average Percent Water Saturation							37.0
Average Oil Content, Bbls./A. Ft.							890.
Total Oil Content, Bbls./Acre							4,007.
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 Jones M. Baber Lease Frank Shade Well No. 1

Depth Interval, Feet	Description
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216.5 - 221.0	- Brown, slightly shaly sandstone.
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221.0 - 221.2	- Coal.
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221.2 - 231.0	- Laminated sandy shale.
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231.0 - 234.5	- Sandy shale.
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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	216.6	21.6	22	61	83	369	20.	0.6	0.6	221	12.00
2	217.6	24.1	64	27	91	1,198	83.	1.0	1.6	1,198	83.00
3	218.6	23.7	52	27	79	954	147.	1.0	2.6	954	147.00
4	219.6	25.8	53	37	90	1,059	178.	1.0	3.6	1,059	178.00
5	220.6	20.1	41	43	84	639	7.6	0.9	4.5	575	6.84
								Total	-----	4,007	