



2-25-25E

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OILFIELD RESEARCH LABORATORIES

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

August 29, 1966

Jones M. Baber
% 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. 2, Bourbon County, Kansas, and submitted to our laboratory on August 25, 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:bl

5 c. Owensboro, Kentucky
1 c. Gilbert Fouts
Ft. Scott, Kansas

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company Jones M. Baber Lease Frank Shade Well No. 2

Location NE SE

Section 2 Twp. 25S Rge. 25E County Bourbon State Kansas

Name of Sand - - - - - Stray

Top of Core - - - - - 208.4

Bottom of Core - - - - - 227.4

Good
Top of Sand - - - - - 210.6

Bottom of Sand - - - - - 219.1

Total Feet of Permeable Sand - - - - - 8.2

Total Feet of Floodable Sand - - - - -

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

0 - 100

2.8

2.8

100 - 200

2.2

5.0

200 & above

3.2

8.2

Average Permeability Millidarcys - - - - - 166.7

Average Percent Porosity - - - - - 23.8

Average Percent Oil Saturation - - - - - 41.1

Average Percent Water Saturation - - - - - 40.2

Average Oil Content, Bbls./A. Ft. - - - - - 757.

Total Oil Content, Bbls./Acre - - - - - 6,207.

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. 2

Depth Interval, Description
Feet

208.4 - 208.7 - Light brown slightly shaly sandstone.

208.7 - 209.4 - Sandy shale.

209.4 - 209.7 - Light brown slightly shaly sandstone.

209.7 - 210.6 - Sandy shale.

210.6 - 212.8 - Brown slightly shaly sandstone.

212.8 - 213.2 - Sandy shale.

213.2 - 215.0 - Brown slightly shaly sandstone.

215.0 - 215.2 - Sandy shale.

215.2 - 219.1 - Brown slightly shaly sandstone.

219.1 - 219.3 - Coal

219.3 - 227.4 - Sandy shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company James M. Baber Lease Frank Shade Well No. 2

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	208.5	17.5	27	58	85	366	2.3	0.3	0.3	110	0.69
2	209.5	17.5	39	35	74	529	11.	0.3	0.6	159	3.30
3	210.8	23.6	43	29	72	786	89.	0.6	1.2	472	53.40
4	211.7	23.4	50	31	81	907	57.	0.8	2.0	726	45.60
5	212.4	23.4	53	30	83	961	107.	0.8	2.8	770	85.60
6	213.4	22.2	50	32	82	861	33.	0.8	3.6	689	26.40
7	214.1	25.4	46	29	75	906	169.	0.8	4.4	726	135.20
8	215.4	26.0	51	32	83	1,028	137.	0.6	5.0	617	82.20
9	216.1	24.0	39	48	87	725	244.	0.8	5.8	580	195.25
10	217.1	25.6	34	52	86	675	263.	1.0	6.8	675	263.00
11	218.1	24.2	26	55	81	488	340.	1.4	8.2	683	476.00
								Total	- - -	6,207	

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company		Lease		Well No.	
Jones M. Baber		Frank Shade		2	
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.		
208.4 - 219.1	8.2	166.7	1,366.64		
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Oil Saturation	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbbl./Acre
208.4 - 219.1	8.2	23.8	41.1	40.2	757
					6,207