

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company Jackson Brothers Lease Rice Well No. 1

Location NW, NW

Section 10 Twp. 26S Rge. 8E County Greenwood State Kansas

Name of Sand - - - - - Lower Bartlesville

Top of Core - - - - - 2475.0

Bottom of Core - - - - - 2495.0

Top of Sand - - - - - 2484.3

Bottom of Sand - - - - - 2492.2

Total Feet of Permeable Sand - - - - - 7.9

Total Feet of Floodable Sand - - - - - 5.7

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

0 - 20	2.9	2.9
20 - 60	4.0	6.9
60 & above	1.0	7.9

Average Permeability Millidarcys - - - - - 38.2

Average Percent Porosity - - - - - 18.4

Average Percent Oil Saturation - - - - - 30.2

Average Percent Water Saturation - - - - - 45.7

Average Oil Content, Bbls./A. Ft. - - - - - 432.

Total Oil Content, Bbls./Acre - - - - - 3,415.

Average Percent Oil Recovery by Laboratory Flooding Tests - - - - - 4.2

Average Oil Recovery by Laboratory Flooding Tests, Bbls./A. Ft. - - - - - 59.

Total Oil Recovery by Laboratory Flooding Tests, Bbls./Acre - - - - - 335.

Total Calculated Oil Recovery, Bbls./Acre (Primary & Secondary) - - - - - 1,402.

Packer Setting, Feet - - - - -

Viscosity, Centipoises @ - - - - -

A. P. I. Gravity, degrees @ 60 °F - - - - -

Elevation, Feet - - - - -

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SUMMARY OF LABORATORY FLOODING TESTS

TABLE V

Company	Jackson Brothers		Lease	Rice	Well No. 1	
	Upper Bartlesville					
Depth Interval, Feet	2430.0 - 2440.5	2441.0 - 2454.0	2430.0 - 2454.0	2484.3 - 2492.2		
Feet of Core Analyzed	7.8	8.8	16.6	5.7		
Average Percent Porosity	19.4	20.6	20.0	18.2		
Average Percent Original Oil Saturation	32.2	34.6	33.5	31.7		
Average Percent Oil Recovery	8.1	10.2	9.2	4.2		
Average Percent Residual Oil Saturation	24.1	24.4	24.3	27.5		
Average Percent Residual Water Saturation	68.2	68.8	68.4	62.2		
Average Percent Total Residual Fluid Saturation	92.3	93.2	92.7	89.7		
Average Original Oil Content, Bbls./A. Ft.	497.	555.	528.	447.		
Average Oil Recovery, Bbls./A. Ft.	118.	167.	144.	59.		
Average Residual Oil Content, Bbls./A. Ft.	379.	388.	384.	388.		
Total Original Oil Content, Bbls./Acre	3,873.	4,883.	8,756.	2,547.		
Total Oil Recovery, Bbls./Acre	921.	1,466.	2,387.	335.		
Total Residual Oil Content, Bbls./Acre	2,952.	3,417.	6,369.	2,212.		
Average Effective Permeability, Millidarcys	0.951	5.64	3.44	0.878		
Average Initial Fluid Production Pressure, p.s.i.	23.9	16.1	20.0	25.0		

NOTE: Only those samples which recovered oil were used in calculating the above averages.

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SUMMARY OF WATER DIFFERENTIATION TESTS

TABLE VII

Company Jackson Brothers Lease Rice Well No. 1

Depth Interval, Feet	Chloride Content of Brine in Sand, ppm	Average Percent Connate Water	Average Percent Drilling & Foreign Water
	Upper Bartlesville Sand		
2430.0 - 2440.5	30,400		
2441.0 - 2454.0	25,420		
2430.0 - 2454.0	27,500		
	Lower Bartlesville Sand		
2484.3 - 2492.2	41,100		

Note: ppm — parts per million.