

Look up

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GENERAL INFORMATION & SUMMARY

✓ elevation
1260

Company Jackson Brothers Lease Barker Well No. 2

Location S/2 E 1/2 SW SE

Section 2 Twp 25S Rge 8E County Greenwood State Kansas

Name of Sand - - - - - Bartlesville

Top of Core - - - - - 2308.0

Bottom of Core - - - - - 2333.0

Top of Sand - - - - - 2317.2

Bottom of Sand - - - - - 2327.5

Total Feet of Permeable Sand - - - - - 9.4

Total Feet of Floodable Sand - - - - - 0.0

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

0 - 1	5.4	5.4
1 - 5	3.0	8.4
5 & above	1.0	9.4

Average Permeability Millidarcys - - - - - 1.8

Average Percent Porosity - - - - - 16.2

Average Percent Oil Saturation - - - - - 30.5

Average Percent Water Saturation - - - - - 49.3

Average Oil Content, Bbls./A. Ft. - - - - - 381.

Total Oil Content, Bbls./Acre - - - - - 3,923.

Average Percent Oil Recovery by Laboratory Flooding Tests - - - - - 0.0

Average Oil Recovery by Laboratory Flooding Tests, Bbls./A. Ft. - - - - - 0.0

Total Oil Recovery by Laboratory Flooding Tests, Bbls./Acre - - - - - 0.0

Total Calculated Oil Recovery, Bbls./Acre - - - - -

Packer Setting, Feet - - - - -

Viscosity, Centipoises @ - - - - -

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

Elevation, Feet - - - - -

- LOG -

Company Jackson Brothers Lease Barker Well No. 2Depth Interval, Description
Feet

2308.0 - 2317.2 - Sandy shale.

2317.2 - 2323.4 - Light brown slightly shaly sandstone.

2323.4 - 2324.3 - Gray and light brown laminated shaly sandstone.

2324.3 - 2327.5 - Light brown slightly shaly sandstone.

2327.5 - 2333.0 - Shale

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Jackson Brothers Lease Barker 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	2318.1	16.7	28	48	76	350	0.69	1.3	1.3	455	0.90
2	2319.1	17.7	27	46	73	370	5.7	1.0	2.3	370	5.70
3	2320.1	16.9	30	41	71	393	4.2	1.0	3.3	393	4.20
4	2321.1	17.2	37	39	76	494	2.1	1.0	4.3	494	2.10
5	2322.1	16.0	31	43	74	384	1.7	1.0	5.3	384	1.70
6	2323.1	17.0	27	47	74	356	0.47	0.9	6.2	320	0.42
7	2324.1	13.5	29	59	88	304	Imp.	0.9	7.1	274	0.00
8	2325.1	15.2	26	56	82	306	0.51	1.2	8.3	368	0.61
9	2326.1	15.6	31	56	87	375	0.54	1.0	9.3	375	0.54
10	2327.1	15.8	40	58	98	490	0.60	1.0	10.3	490	0.60

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company Jackson Brothers Lease Barker Well No. 2

Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
2317.2 - 2327.5	9.4	1.8	16.77

Depth Interval, Feet	Feet of Core Analyzed	Average Percent Porosity	Average Percent Oil Saturation	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbls./Acre
2317.2 - 2327.5	10.3	16.2	30.5	49.3	381	3,923

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RESULTS OF WATER DIFFERENTIATION TESTS

TABLE VI

Company Jackson Brothers Lease Barker Well No. 2

Sample No.	Depth, Feet	Chloride Content of Brine in Sand ppm	Percent Water Saturation		
			Connate	Drilling & Foreign	Total
1	2318.1	99,450			
2	2319.1	105,550			
3	2320.1	102,750			
4	2321.1	110,025			
5	2322.1	110,900			
6	2323.1	98,300			
7	2324.1	98,375			
8	2325.1	94,500			
9	2326.1	102,100			
10	2327.1	101,300			

Note: ppm — parts per million

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SUMMARY OF WATER DIFFERENTIATION TESTS

TABLE VII

Company Jackson Brothers Lease Barker Well No. 2

Depth Interval, Feet	Chloride Content of Brine in Sand, ppm	Average Percent Connate Water	Average Percent Drilling & Foreign Water
2317.2 - 2327.5	102,200		

Note: ppm — parts per million.