

31-28-17E

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company Jones & Campbell Lease Short Well No. OE-9

Location SW¹/₄

Section 31 Twp. 28S Rge. 17E County Wilson State Kansas

Name of Sand - - - - - Squirrel
 Top of Core - - - - - 702.0
 Bottom of Core - - - - - 718.0
 Top of Sand - - - - - 704.8
 Bottom of ^{Good} Sand - - - - - 714.6
 Total Feet of Permeable Sand - - - - - 11.0
 Total Feet of Floodable Sand - - - - -

Distribution of Permeable Sand:

Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 20	3.8	3.8
20 - 50	1.6	5.4
50 - 100	2.4	7.8
100 & above	3.2	11.0

Average Permeability Millidarcys - - - - - 67.5
 Average Percent Porosity - - - - - 20.6
 Average Percent Oil Saturation - - - - - 36.7
 Average Percent Water Saturation - - - - - 40.2
 Average Oil Content, Bbls./A. Ft. - - - - - 586.
 Total Oil Content, Bbls./Acre - - - - - 6,449.

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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<u>Depth Interval,</u>	<u>Description</u>
<u>Feet</u>	

- ~~702.0 - 704.8 - Dark gray shale.~~
- 704.8 - 709.6 - Brown fine grained sandstone
- 709.6 - 714.6 - Brown shaly sandstone.
- 714.6 - 715.8 - Dark carbonaceous shaly sandstone.
- 715.8 - 718.0 - Gray sandy shale.



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RESULTS OF SATURATION & PERMEABILITY TEST

TABLE 1-B

Company Jones & CampbellLease ShortWell No. OE-9

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	705.5	22.2	41	38	79	706	156.	1.2	1.2	847	167.25
2	706.5	21.9	33	38	71	561	139.	1.0	2.2	561	139.00
3	707.5	22.2	39	42	81	672	112.	1.0	3.2	672	112.00
4	708.5	21.8	37	40	77	626	99.	1.0	4.2	626	99.00
5	709.5	22.0	28	42	70	478	26.	0.6	4.8	287	15.60
6	710.5	20.9	36	41	77	584	77.	1.4	6.2	818	107.80
7	711.5	21.5	43	43	86	718	17.	1.0	7.2	718	17.00
8	712.5	19.7	31	41	72	475	42.	1.0	8.2	475	42.00
9	713.5	18.4	34	37	71	486	14.	1.0	9.2	486	14.00
10	714.5	17.8	31	45	76	430	16.	0.6	9.8	258	9.60
11	715.5	17.5	43	38	81	584	16.	1.2	11.0	701	19.20

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company Jones & Campbell Lease Short Well No. OE-9

Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
704.8 - 713.0	8.2	85.3	699.65
713.0 - 715.8	2.8	15.3	42.80
704.8 - 715.8	11.0	67.5	742.45

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
704.8 - 713.0	8.2	21.5	36.5	40.5	610	5,004
713.0 - 715.8	2.8	17.9	37.2	39.1	516	1,445
704.8 - 715.8	11.0	20.6	36.7	40.2	586	6,449

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