

31-28-17E

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company Jones & Campbell Lease Short Well No. OE-13

Location SW<sup>1</sup>/<sub>4</sub>

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

Name of Sand	- - - - -	Squirrel
Top of Core	- - - - -	770.0
Bottom of Core	(Recovered) - - - - -	790.5
Pay		
Top of Sand	- - - - -	774.0
Permeable		
Bottom of Sand	- - - - -	789.0
Total Feet of Permeable Sand	(Analyzed) - - - - -	14.6

Total Feet of Floodable Sand - - - - -

Distribution of Permeable Sand:  
Permeability Range  
Millidarcys

Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 20	5.6	5.6
20 - 50	4.0	9.6
50 - 100	3.0	12.6
100 & above	2.0	14.6

Average Permeability Millidarcys	- - - - -	54.1
Average Percent Porosity	- - - - -	18.5
Average Percent Oil Saturation	- - - - -	41.9
Average Percent Water Saturation	- - - - -	36.0
Average Oil Content, Bbls./A. Ft.	- - - - -	590.
Total Oil Content, Bbls./Acre	- - - - -	9,204.

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 - - - - -

-LOG-

Company Jones & Campbell Lease Short Well No. OE-13

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
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770.0 - 771.8 - Grayish brown laminated very shaly sandstone.

771.8 - 773.5 - Gray sandy shale.

773.5 - 774.0 - Hard light brown fossiliferous calcareous sandstone.

774.0 - 782.0 - Brown slightly shaly sandstone.

782.0 - 783.6 - Brown shaly sandstone.

783.6 - 784.0 - Hard gray shaly sandstone.

784.0 - 788.0 - Dark brown carbonaceous shaly sandstone.

788.0 - 790.5 - Grayish brown very shaly sandstone.

790.5 - 791.0 - Loss.

TABLE 1-B

Company Jones &amp; Campbell

Lease Short

Well No. OE-13

Sample No.	Depth, Feet	Effective Porosity Percent	Percent Saturation			Oil Content Bbbls. / A Ft.	Perm., Mill.	Feet of Sand		Total Oil Content	Perm. Capacity Ft. X ind.
			Oil	Water	Total			Ft.	Cum. Ft.		
1	770.4	17.6	40	42	82	547	3.0	1.0	1.0	547	3.00
2	774.5	19.7	44	29	73	673	145.	1.0	2.0	673	145.00
3	775.5	19.9	43	29	72	664	83.	1.0	3.0	664	83.00
4	776.5	20.6	43	29	72	688	88.	1.0	4.0	688	88.00
5	777.5	21.0	42	37	79	684	39.	1.0	5.0	684	39.00
6	778.5	17.0	53	33	86	700	184.	1.0	6.0	700	184.00
7	779.5	17.9	39	30	69	542	43.	1.0	7.0	542	43.00
8	780.5	20.6	47	25	72	751	95.	1.0	8.0	751	95.00
9	781.5	18.9	38	34	72	558	35.	1.0	9.0	558	35.00
10	782.5	18.7	38	37	75	552	20.	1.0	10.0	552	20.00
11	783.5	14.2	39	44	83	430	19.	0.6	10.6	258	11.40
12	784.5	15.0	31	49	80	361	15.	1.0	11.6	361	15.00
13	785.5	18.2	41	41	82	580	15.	1.0	12.6	580	15.00
14	786.5	17.0	43	36	79	567	5.3	1.0	13.6	567	5.30
15	787.5	16.3	38	40	78	481	7.9	1.0	14.6	481	7.90
16	789.5	15.4	50	45	95	598	Imp.	1.0	15.6	598	0.00

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## SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Lease	Short	Well No.
Jones & Campbell			OE-13
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
770.0 - 783.6	10.6	70.4	746.40
784.0 - 790.0	4.0	10.8	43.20
770.0 - 790.0	14.6	54.1	789.60

  

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
770.0 - 783.6	10.6	19.4	42.5	33.2	624	6,617
784.0 - 790.0	5.0	16.4	40.6	42.0	517	2,587
770.0 - 790.0	15.6	18.5	41.9	36.0	590	9,204

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