

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company Compton Industries Lease Smith Well No. 2

Location _____

Section 25 Twp. 23S Rge. 22E County Bourbon State Kansas

Name of Sand	Bartlesville
Top of Core - - - (Received)	680.0
Bottom of Core - - - (Received)	689.0
Top of Sand - - - (Received)	680.0
Bottom of Sand - - - (Received)	689.0
Total Feet of Permeable Sand	8.0

Total Feet of Floodable Sand - - - - -

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 10	3.0	3.0
10 - 20	1.8	4.8
20 - 30	2.2	7.0
30 & above	1.0	8.0

Average Permeability Millidarcys	15.3
Average Percent Porosity	17.4
Average Percent Oil Saturation	
Average Percent Water Saturation	
Average Oil Content, Bbls./A. Ft.	
Total Oil Content, Bbls./Acre	
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	

23S - 22E - 25

OILFIELD RESEARCH LABORATORIES

- LOG -

Company Compton Industries Lease Smith Well No. 2

<u>Depth Interval</u> <u>Feet</u>	<u>Description</u>
680.0 - 684.2	Gray slightly shaly sandstone.
684.2 - 685.8	Gray slightly laminated shaly sandstone.
685.8 - 689.0	Gray finely laminated very shaly sandstone.

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RESULTS OF PERMEABILITY AND POROSITY TESTS

TABLE I A

Company Compton Industries Lease Smith Well No. 2

Sample No.	Depth Feet	Permeability Millidarcys	Feet of Core		Permeability Capacity Ft. x Md.	Percent Porosity
			Ft.	Cum. Ft.		
1	680.5	29.	1.0	1.0	29.00	20.6
2	681.5	16.	1.0	2.0	16.00	19.9
3	682.5	36.	1.0	3.0	36.00	20.6
4	683.5	22.	1.2	4.2	26.40	20.6
5	684.5	4.6	0.8	5.0	3.68	18.8
6	685.5	13.	0.8	5.8	10.40	19.7
7	686.5	0.31	1.2	7.0	0.37	11.2
8	687.5	0.42	1.0	8.0	0.42	15.2
9	688.5	Imp.	1.0	9.0	0.00	11.4

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 φ-200

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SUMMARY OF PERMEABILITY & POROSITY TESTS

TABLE II A

Company <u>Compton Industries</u>		Lease <u>Smith</u>		Well No. <u>2</u>	
<u>Depth Interval, Feet</u>	<u>Feet of Core Analyzed</u>	<u>Average Air Permeability, Millidarcys</u>	<u>Average Effective Permeability, Millidarcys</u>	<u>Permeability Capacity Ft. x Md.</u>	<u>Average Percent Porosity</u>
680.0 - 685.8	5.8	20.9		121.48	20.1
685.8 - 689.0	2.2	0.4		0.79	12.5
680.0 - 689.0	8.0	15.3		122.27	17.4