

# OILFIELD RESEARCH LABORATORIES

536 NORTH HIGHLAND - CHANUTE, KANSAS 66720 - PHONE (316) 431-2650

February 28, 1980

Compton Industries, Inc.  
P.O. Box 437  
Moran, Kansas 66755

Gentlemen:

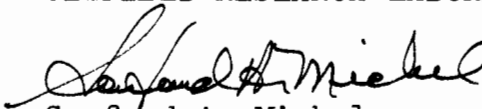
Enclosed herewith are the results of tests run on the rotary core taken from the McClimans Lease, Well No. 2-C, Bourbon County, Kansas and submitted to our laboratory on January 24, 1980.

The core was sampled and sealed in plastic bags by a representative of the client.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

  
Sanford A. Michel

SAM/kas  
5 c to Moran, Kansas

**Oilfield Research Laboratories**  
**GENERAL INFORMATION & SUMMARY**

Company Compton Industries, Inc. Lease McClimans Well No. 2-C  
 Location 163' NSL & 165' WEL. E $\frac{1}{2}$  NW $\frac{1}{4}$   
 Section 29 Twp. 23S Rge. 22E County Bourbon State Kansas

Elevation, Feet . . . . .

Name of Sand . . . . . Bartlesville

Top of Core . . . . . 578.0

Bottom of Core . . . . . 598.0

Top of Sand . . . . . 578.0

Bottom of Sand . . . . . 598.0

Total Feet of Permeable Sand . . . . . 20.0

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 5	4.6	4.6
5 - 10	6.2	10.8
10 - 20	2.0	12.8
20 & Above	7.2	20.0

Average Permeability Millidarcys . . . . . 13.2

Average Percent Porosity . . . . . 17.9

Average Percent Oil Saturation . . . . . 21.9\*

Average Percent Water Saturation . . . . . 51.5\*

Average Oil Content, Bbls./A. Ft. . . . . 291.\*

Total Oil Content, Bbls./Acre . . . . . 2,503.\*

Note: \*These averages apply only to those samples for which an oil & water determination was made.

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LOGName Compton Industries, Inc. Lease McClimans Well No. 2-C

<u>Depth Interval, Feet</u>	<u>Description</u>
578.0 - 580.9	Brown and gray laminated sandstone and shale.
580.9 - 584.0	Light brown sandstone.
584.0 - 585.4	Light brown slightly shaly sandstone.
585.4 - 587.1	Brown sandstone.
587.1 - 589.9	Light brown slightly shaly sandstone.
589.9 - 592.5	Light brown sandstone.
592.5 - 593.6	Light brown shaly sandstone.
593.6 - 595.3	Brown slightly shaly sandstone.
595.3 - 598.0	Light brown sandstone.

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**RESULTS OF SATURATION & PERMEABILITY TESTS**

**TABLE 1-B**

Company Compton Industries, Inc.

Lease McClimens

Well No. 2-C

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 ind.
			Oil	Water	Total			Ft.	Cum. Ft.		
1	578.7	15.6	37	30	67	448	1.9	1.0	448	1.90	
2	579.4	14.6					1.1	1.0		1.10	
3	580.5	13.4					0.45	0.9		0.41	
4	581.5	21.0	19	60	79	286	31.	1.1	286	34.10	
5	582.8	19.4					26.	1.0		26.00	
6	583.5	21.5	16	60	76	200	29.	1.0	280	29.00	
7	584.5	16.1	21	54	75	318	5.6	1.4	223	7.84	
8	585.7	19.5					21.	0.7		14.70	
9	586.5	19.3					7.2	1.0		7.20	
10	587.3	21.6	21	52	73	275	36.	0.7	303	25.20	
11	588.0	16.9					6.9	1.1		7.59	
12	589.5	17.4					7.9	1.0		7.90	
13	590.3	14.7	13	53	66	203	3.4	0.6	203	2.04	
14	591.0	20.1					13.	1.0		13.00	
15	592.4	20.9	28	45	73	350	21.	1.0	595	21.00	
16	593.5	13.8					1.7	1.1		1.87	
17	594.5	16.1	16	63	79	235	5.0	1.7	165	8.50	
18	595.5	20.2					26.	1.0		26.00	
19	596.8	18.9					21.	0.7		14.70	
20	597.6	18.5					13.	1.0		13.00	

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## SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Lease	Well No.				
Compton Industries, Inc.	McClimans	2-G				
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.			
578.0 - 598.0	20.0	13.2	263.05			
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Oil Saturation	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbls./Acre	
578.0 - 598.0	20.0	17.9	21.9*	51.5*	291*	2,503*

Note: \*These averages apply only to those samples for which an oil and water determination was made.