

OILFIELD RESEARCH LABORATORIES

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

October 22, 1980

Savco Oil Company
Box 707
Chanute, Kansas 66720

Gentlemen:

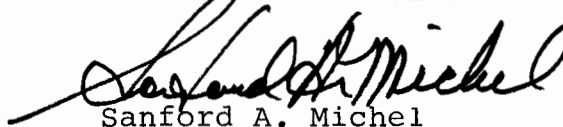
Enclosed herewith are the results of tests run on the rotary core taken from the Manson-Campbell Lease, Well No. I-35, located in Allen County, Kansas and submitted to our laboratory on August 23, 1980.

The core was sampled by a representative of Oilfield Research Laboratories.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES


Sanford A. Michel

SAM/ks

5 c to Chanute, Kansas

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GENERAL INFORMATION & SUMMARY

Company Savco Oil Company Lease Manson-Campbell Well No. I-35
 Location -
 Section - Twp. - Rge. - County Allen State Kansas

Elevation, Feet	-
Name of Sand	Tucker
Top of Core	800.0
Bottom of Core	820.0
Top of Sand	800.0
Bottom of Sand	820.0
Total Feet of Permeable Sand	19.3

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
100 - 400	8.8	8.8
400 - 600	3.7	12.5
600 - 800	2.8	15.3
800 & Above	4.0	19.3

Average Permeability Millidarcys	490.2
Average Percent Porosity	21.9
Average Percent Oil Saturation	50.1
Average Percent Water Saturation	37.0
Average Oil Content, Bbls./A. Ft.	856.
Total Oil Content, Bbls./Acre	16,515.

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LOGName Savco Oil Company Lease Manson-Campbell Well No. I-35

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
800.0 - 801.6	Dark brown sandstone.
801.6 - 802.3	Gray sandy shale.
802.3 - 820.0	Dark brown slightly calcareous sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Savco Oil Company Lease Manson-Campbell Well No. I-35

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	800.5	24.2	47	37	84	882	266.	0.8	0.8	706	212.80
2	801.5	24.4	48	36	84	909	764.	0.8	1.6	727	611.20
3	802.5	20.3	34	38	72	536	121.	1.0	2.6	536	121.00
4	803.5	21.7	45	33	78	758	384.	1.0	3.6	758	384.00
5	804.5	23.3	58	31	89	1048	335.	1.0	4.6	1048	335.00
6	805.5	22.9	52	40	92	924	1223.	1.0	5.6	924	1223.00
7	806.5	23.1	56	38	94	1004	146.	1.0	6.6	1004	146.00
8	807.5	23.6	58	36	94	1062	1054.	1.0	7.6	1062	1054.00
9	808.5	22.8	63	30	93	1114	728.	1.0	8.6	1114	728.00
10	809.5	22.4	60	20	80	1043	167.	1.0	9.6	1043	167.00
11	810.5	23.5	55	30	85	1003	1092.	1.0	10.6	1003	1092.00
12	811.5	22.0	47	31	78	802	826.	1.0	11.6	802	826.00
13	812.7	22.5	69	23	92	1204	650.	1.0	12.6	1204	650.00
14	813.8	23.2	43	38	81	774	162.	1.0	13.6	774	162.00
15	814.5	21.1	42	46	88	688	546.	1.0	14.6	688	546.00
16	815.5	20.2	42	53	95	658	226.	1.0	15.6	658	226.00
17	816.5	18.8	36	49	85	525	231.	1.0	16.6	525	231.00
18	817.5	19.5	52	33	85	787	200.	1.0	17.6	787	200.00
19	818.5	21.4	43	55	98	714	226.	1.0	18.6	714	226.00
20	819.5	15.5	52	44	96	625	456.	0.7	19.3	438	319.20

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Savco Oil Company	Lease	Manson-Campbell	Well No.	I-35	
	Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.		
	800.0 - 813.3	12.6	599.2	7550.00		
	813.3 - 820.0	6.7	285.1	1910.00		
	800.0 - 820.0	19.3	490.2	9460.00		
	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
	800.0 - 813.3	12.6	53.4	32.4	947	11,931
	813.3 - 820.0	6.7	43.9	45.5	684	4,584
	800.0 - 820.0	19.3	50.1	37.0	856	16,515