



OILFIELD RESEARCH LABORATORIES

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

May 25, 1979

Centennial Oil Company
c/o John C. Rubow
Lincoln & Walnut
Chanute, Kansas 66720

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Eggers Lease, Well No. 1, Woodson County, Kansas, and submitted to our laboratory on May 18, 1979.

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

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES


Benjamin R. Pearman

SAM:cgb

6 c to Chanute, Kansas

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GENERAL INFORMATION & SUMMARY

Company Centennial Oil Company Lease Eggers Well No. 1

Location C. NE NE SE

Section 7 Twp. 26S Rge. 17E County Woodson State Kansas

Name of Sand - - - - -	Squirrel
Top of Core - - - - -	849.0
Bottom of Core - - - - -	861.0
Top of Sand - - - - -	850.7
Bottom of Sand - - - - -	859.8
Total Feet of Permeable Sand - - - - -	8.1
Total Feet of Floodable Sand - - - - -	

Distribution of Permeable Sand:
Permeability Range
Millidarcys

	Feet	Cum. Ft.
0 - 10	6.6	6.6
10 - 40	0.5	7.1
40 & Above	1.0	8.1

Average Permeability Millidarcys - - - - -	41.5
Average Percent Porosity - - - - -	13.6
Average Percent Oil Saturation - - - - -	47.1
Average Percent Water Saturation - - - - -	35.6
Average Oil Content, Bbls./A. Ft. - - - - -	491.
Total Oil Content, Bbls./Acre - - - - -	5,304.
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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- LOG -

Company Centennial Oil Company Lease Eggers Well No. 1

<u>Depth Interval, Feet</u>	<u>Description</u>
849.0 - 850.7	Hard gray limestone.
850.7 - 853.0	Gray and light brown laminated shale and sandstone.
853.0 - 855.5	Gray and brown laminated shale and sandstone.
855.5 - 859.8	Dark brown laminated slightly shaly sandstone.
859.8 - 861.0	Gray and light brown laminated shale and sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Centennial Oil Company Lease Eggers Well No. 1

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	849.8	4.5	72	22	94	251	Imp.	1.0	1.0	251	0.00
2	850.4	8.8	49	19	68	335	Imp.	0.7	1.7	234	0.00
3	851.6	14.0	40	39	79	434	2.6	1.3	3.0	564	3.38
4	852.5	13.6	27	55	82	285	0.56	1.0	4.0	285	0.56
5	853.5	12.4	33	60	93	318	Imp.	1.0	5.0	318	0.00
6	854.6	12.9	22	64	86	220	0.36	1.5	6.5	330	0.54
7	855.6	19.5	52	15	67	787	36.	0.5	7.0	394	18.00
8	856.5	18.3	55	23	78	781	300.	1.0	8.0	781	300.00
9	857.4	15.2	90	4	94	1061	6.0	1.0	9.0	1061	6.00
10	858.5	16.1	63	25	88	787	6.1	1.0	10.0	787	6.10
11	859.5	16.6	29	35	64	374	1.6	0.8	10.8	299	1.28

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Centennial Oil Company	Lease	Eggers	Well No.	1
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.		
849.0 - 855.5	3.8	1.2	4.48		
855.5 - 859.8	4.3	77.1	331.38		
849.0 - 859.8	8.1	41.5	335.86		

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
849.0 - 855.5	6.5	11.4	38.7	45.7	305	1,982
855.5 - 859.8	4.3	16.9	59.8	20.3	773	3,322
849.0 - 859.8	10.8	13.6	47.1	35.6	491	5,304