

OILFIELD RESEARCH LABORATORIES

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

September 7, 1979

Wayne D. Cox
716 N. State
Eureka, Kansas 67045

Gentlemen:

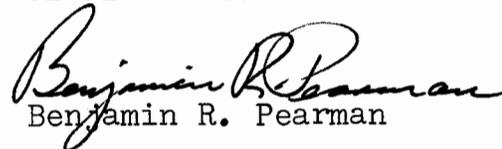
Enclosed herewith are the results of tests run on the rotary core taken from the Branine A Lease, Well No. 7, Greenwood County, Kansas, and submitted to our laboratory on September 4, 1979.

The core was sampled by a representative of Oilfield Research Laboratories after being received in the laboratory.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES


Benjamin R. Pearman

BRP:km
8 c to Eureka, Kansas

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company Wayne D. Cox Lease Branine A Well No. 7

Location SE SW NE

Section 5 Twp 25S Rge 11E County Greenwood State Kansas

Name of Sand	Cattleman
Top of Core	1687.0
Bottom of Core	1692.2
Top of Sand	1687.0
Bottom of Sand	1692.1
Total Feet of Permeable Sand	5.1
Total Feet of Floodable Sand	

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 1	0.6	0.6
200 - 300	1.1	1.7
600 - 700	2.0	3.7
800 - 900	1.4	5.1

Average Permeability Millidarcys	533.1
Average Percent Porosity	18.5
Average Percent Oil Saturation	16.4
Average Percent Water Saturation	63.7
Average Oil Content, Bbls./A. Ft.	244.
Total Oil Content, Bbls./Acre	1,243.
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 Wayne D. Cox Lease Branine A Well No. 7

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
1687.0 - 1687.6	Gray shaly sandstone.
1687.6 - 1692.1	Light brown sandstone.
1692.1 - 1692.2	Black shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Wayne D. Cox Lease Branine A Well No. 7

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	1687.5	10.8	10	69	79	84	0.23	0.6	0.6	50	0.14
2	1688.5	21.9	21	60	81	357	826.	1.4	2.0	500	1156.40
3	1689.5	20.0	18	65	83	279	624.	1.0	3.0	279	624.00
4	1690.5	18.1	18	69	87	253	695.	1.0	4.0	253	695.00
5	1691.5	17.1	11	59	70	146	221.	1.1	5.1	161	243.10

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company Wayne D. Cox Lease Branine A Well No. 7

Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
1687.0 - 1692.1	5.1	533.1	2718.64

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
1687.0 - 1692.1	5.1	18.5	16.4	63.7	244	1,243