



# OILFIELD RESEARCH LABORATORIES

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

May 31, 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 Lease, Well No. 6, Greenwood County, Kansas, and submitted to our laboratory on May 26, 1979.

This 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*  
Benjamin R. Pearman

BRP:km  
8 c to Eureka, Kansas



## OILFIELD RESEARCH LABORATORIES

## LOG

Company Wayne D. Cox Lease Branine Well No. 6

<u>Depth Interval, Feet</u>	<u>Description</u>
1689.0 - 1691.9	Gray sandy shale.
1691.9 - 1692.9	Grayish brown shaly sandstone.
1692.9 - 1694.7	Light brown sandstone.
1694.7 - 1694.9	Gray sandy shale.
1694.9 - 1696.2	Gray barren sandstone.
1696.2 - 1699.1	Light brown sandstone.
1699.1 - 1700.0	Gray shale.

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**RESULTS OF SATURATION & PERMEABILITY TESTS**

**TABLE 1-B**

Company Wayne D. Cox Lease Branine Well No. 6

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	1692.5	12.5	10	78	88	97	0.29	1.0	1.0	97	0.29
2	1693.5	16.7	22	43	65	285	106.	1.1	2.1	314	116.60
3	1694.5	16.6	18	49	67	232	56.	0.6	2.7	139	33.60
4	1695.5	16.7	1	94	95	13	37.	1.3	4.0	17	48.10
5	1696.5	19.8	15	59	74	230	161.	0.8	4.8	184	128.80
6	1697.5	19.4	18	53	71	271	181.	1.0	5.8	271	181.00
7	1698.5	20.8	14	62	76	226	203.	1.1	6.9	249	223.30

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## SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Lease	Well No.			
Wayne D. Cox	Branine	6			
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.		
1691.9 - 1699.1	6.9	106.0	731.69		
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
1691.9 - 1699.1	6.9	17.5	13.3	64.5	1,271