



# OILFIELD RESEARCH LABORATORIES

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

October 27, 1980

Ross Gault  
521 North Walker  
Olathe, Kansas 66061

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Fleming Lease, Well No. 1, Johnson County, Kansas.

The core was sampled and sealed in jars by a representative of the client and submitted to our laboratory on September 12, 1980.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES



Sanford A. Michel

SAM/tem

5 c to Olathe, Kansas

# Oilfield Research Laboratories

## GENERAL INFORMATION & SUMMARY

Company Ross Gault Lease Fleming Well No. 1  
 Location 1540' FWL & 1100' FNL NW ¼  
 Section 36 Twp. 14S Rgs. 22E County Johnson State Kansas

Elevation, Feet . . . . .	
Name of Sand . . . . .	Bartlesville
Top of Core . . . . .	858.0
Bottom of Core . . . . .	863.0
Top of Sand . . . . .	858.0
Bottom of Sand . . . . .	862.2
Total Feet of Permeable Sand . . . . .	3.4

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 50	2.2	2.2
100 & Above	1.2	3.4

Average Permeability Millidarcys . . . . .	57.6
Average Percent Porosity . . . . .	19.3
Average Percent Oil Saturation . . . . .	43.4
Average Percent Water Saturation . . . . .	37.3
Average Oil Content, Bbls./A. Ft. . . . .	706.
Total Oil Content, Bbls./Acre . . . . .	2,965.

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## LOG

Name Ross Gault Lease Fleming Well No. 1

Depth Interval,  
Feet

Description

858.0 - 858.8	Grayish brown very shaly sandstone.
858.8 - 862.2	Dark Brown sandstone.
862.2 - 862.5	Gray shale.
862.5 - 863.0	Coal.

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## RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company <u>Ross Gault</u>		Lease <u>Fleming</u>		Well No. <u>1</u>						
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			Totals	Ft.		
1	858.5	10.1	15	75	90	Imp.	0.8	0.8	94	0.00
2	859.5	19.6	38	35	73	9.9	1.2	2.0	694	11.88
3	860.5	21.3	49	27	76	28.	1.0	3.0	810	28.00
4	861.5	23.3	63	23	86	130.	1.2	4.2	1367	156.00

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## SUMMARY OF PERMEABILITY & SATURATION TESTS

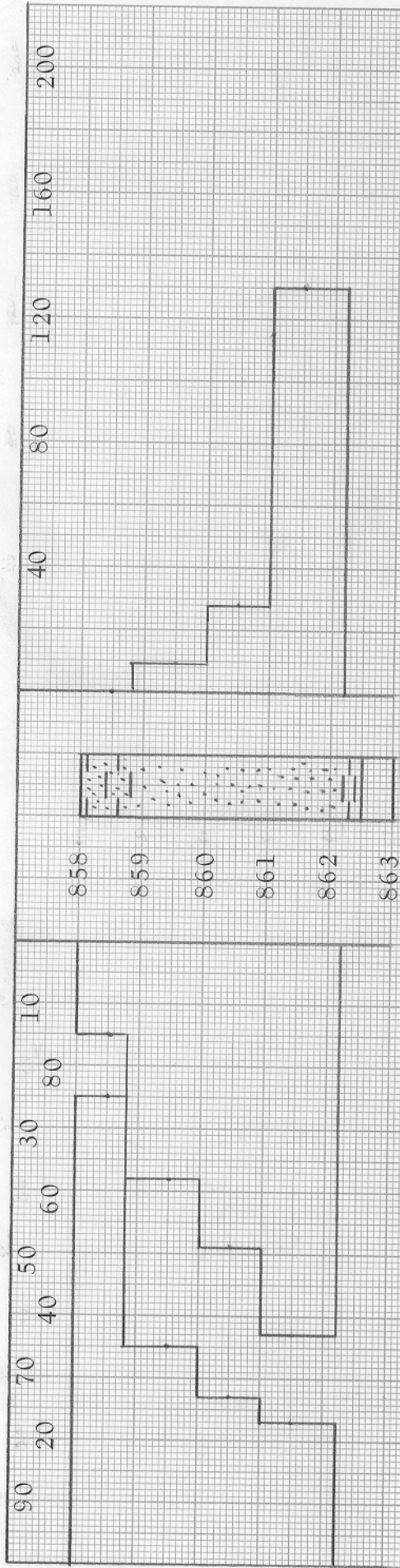
TABLE III

Company	Lease	Well No.			
Ross Gault	Fleming	1			
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.		
858.0 - 862.0	4.2	57.6	195.8		
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Porosity	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbls./Acre
858.0 - 862.0	4.2	19.3	43.4	706	2,965

WATER SAT.,  
PERCENT

OIL SAT.,  
PERCENT

PERMEABILITY, IN MILLIDARCYS



KEY:

SHALY SANDSTONE

SHALE

SANDSTONE

COAL

# ROSS GAULT

FLEMING LEASE  
WELL NO. 1  
JOHNSON COUNTY, KANSAS

DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE PERCENT POROSITY	AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT	AVERAGE PERMEABILITY, MILLIDARCS
858.0 - 862.0	4.2	19.3	43.4	37.3	57.6

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CHANUTE, KANSAS  
OCTOBER, 1980

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