



OILFIELD RESEARCH LABORATORIES

536 NORTH HIGHLAND - CHANUTE, KANSAS - PHONE HE1-2650

June 21, 1967

Gilbert Fouts
Downtowner Motel
Ft. Scott, Kansas

Dear Sir:

Enclosed herewith are the results of tests run on the Rotary core taken from the Elmer Lease, Well No. 1, Crawford County, Kansas, and submitted to our laboratory on June 17, 1967.

This core was sampled and the samples sealed in cans by a representative of Oilfield Research Laboratories. The well was drilled in virgin territory.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Benjamin R. Pearman
Benjamin R. Pearman

BRP:rf

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Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company Gilbert Fouts Lease Elmer Well No. 1

Location NE NW

Section 30 Twp. 27S Rge. 22E County Crawford State Kansas

Name of Sand	Tucker
Top of Core	587.0
Bottom of Core	602.0
Top of Sand	587.0
Bottom of Sand	599.3
Total Feet of Permeable Sand	12.3
Total Feet of Floodable Sand	

Distribution of Permeable Sand:
Permeability Range
Millidarcys

	Feet	Cum. Ft.
6 - 61	5.0	5.0
108 - 200	4.6	9.6
200 & above	2.7	12.3

Average Permeability Millidarcys	121.8
Average Percent Porosity	19.9
Average Percent Oil Saturation	33.5
Average Percent Water Saturation	34.9
Average Oil Content, Bbls./A. Ft.	510.
Total Oil Content, Bbls./Acre	6,271.
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 Gilbert Fouts Lease Elmer Well No. 1

Depth Interval, Description
Feet

587.0 - 591.3 - Light brown, laminated, slightly shaly sandstone.

591.3 - 596.3 - Dark brown sandstone.

596.3 - 599.3 - Dark brown, laminated, slightly shaly sandstone.

599.3 - 600.0 - Light brown, laminated, shaly sandstone.

600.0 - 601.3 - Light brown, sandy shale.

601.3 - 602.0 - Gray shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Gilbert Fouts Lease Elmer Well No. 1

Sample No.	Depth, Feet	Effective Porosity Percent	Percent Saturation		Oil Content Bbbls. / A Ft.	Perm., Mill.	Feet of Sand		Total Oil Content	Perm. Capacity Ft. X md.
			Oil	Water			Ft.	Cum. Ft.		
1	587.1	18.5	17	46	244	108.	0.6	0.6	146	64.80
2	588.1	22.2	12	46	207	292.	1.0	1.6	207	292.00
3	589.1	19.8	19	47	292	119.	1.0	2.6	292	119.00
4	590.1	22.1	21	47	360	21.	1.0	3.6	360	21.00
5	591.1	18.2	24	50	338	244.	0.7	4.3	236	170.80
6	592.1	22.6	36	27	631	167.	1.3	5.6	820	217.10
7	593.1	21.5	42	27	700	132.	1.0	6.6	700	132.00
8	594.1	22.3	36	24	622	247.	1.0	7.6	622	247.00
9	595.1	21.2	42	21	690	61.	1.0	8.6	690	61.00
10	596.1	19.8	52	25	799	14.	0.7	9.3	559	9.80
11	597.1	16.5	44	33	563	22.	1.3	10.6	731	28.60
12	598.1	15.3	41	36	486	6.8	1.0	11.6	486	6.80
13	599.1	17.3	45	34	604	178.	0.7	12.3	422	124.60
Total								-----	6,271	

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Gilbert Fouts		Lease	Elmer	Well No.	1
Depth Interval, Feet	Feet of Core Analyzed		Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.		
587.0 - 591.3	4.3		155.5	667.60		
591.3 - 599.3	8.0		103.4	826.90		
587.0 - 599.3	12.3		121.8	1,494.50		

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
587.0 - 591.3	4.3	20.4	18.4	47.2	290	1,241
591.3 - 599.3	8.0	19.7	41.6	28.4	629	5,030
587.0 - 599.3	12.3	19.9	33.5	34.9	510	6,271