

OILFIELD RESEARCH LABORATORIES

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

April 5, 1980

Dell Gibbs & O'Lean Gibbs
Rural Route 2
Box 50B
Neodesha, Kansas 66757

Gentlemen:

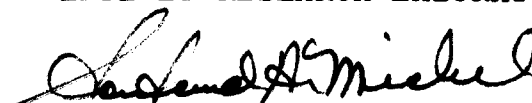
Enclosed herewith are the results of tests run on the rotary core taken from the Wilkes Lease, Well No. 1, Wilson County, Kansas, and submitted to our laboratory on March 21, 1980.

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

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES


Sanford A. Michel

SAM/tem
5 c to Neodesha, Kansas

- REGISTERED ENGINEERS -

CORE ANALYSIS - WATER ANALYSIS - REPRESSURING ENGINEERING - SURVEYING & MAPPING - PROPERTY EVALUATION & OPERATION

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company Dell Gibbs & O'Lean Gibbs Lease Wilkes Well No. 1
 Location 240' ENL. & 1560' FEL NE $\frac{1}{4}$
 Section 18 Twp. 30S Rge. 16E County Wilson State Kansas

Elevation, Feet

Name of Sand

Bartlesville

Top of Core

944.0

Bottom of Core

949.0

Top of Sand

944.0

Bottom of Sand

949.0

Total Feet of Permeable Sand

5.0

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

0 - 4

3.0

3.0

4 & Above

2.0

5.0

Average Permeability Millidarcys

4.2

Average Percent Porosity

14.5

Average Percent Oil Saturation

22.6

Average Percent Water Saturation

32.8

Average Oil Content, Bbls./A. Ft.

255.

Total Oil Content, Bbls./Acre

1,277.

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LOG

Name Dell Gibbs & O'Lean Gibbs Lease Wilkes Well No. 1

Depth Interval,
Feet

Description

944.0 - 947.0

Light brown shaly sandstone.

947.0 - 948.0

Gray shaly sandstone.

948.0 - 949.0

Light brown shaly sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Dell Gibbs & O'Lean Gibbs Lease Wilkes 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			Ft.	Cum. Ft.		
1	944.5	15.7	26	17	43	8.0	1.0	1.0	317	8.00
2	945.5	14.5	27	33	60	6.4	1.0	2.0	304	6.40
3	946.5	13.7	28	38	66	3.9	1.0	3.0	298	3.90
4	947.5	13.6	16	44	60	2.1	1.0	4.0	169	2.10
5	948.5	15.2	16	32	48	0.68	1.0	5.0	189	0.68

SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

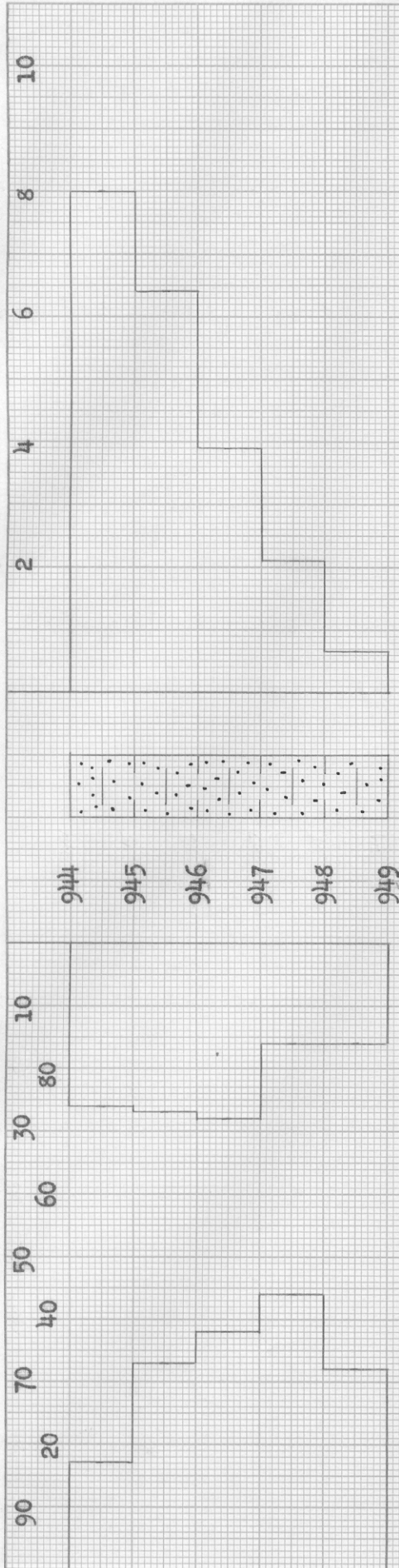
Company	Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.	Well No.
Dell Gibbs & O'Lean Gibbs	944.0 - 949.0	5.0	4.2	21.08	1

Depth Interval, Feet	Feet of Core Analyzed	Average Porosity Percent	Average Percent Oil Saturation	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbls./Acre
944.0 - 949.0	5.0	14.5	22.6	32.8	255	1,277

WATER SAT.,
PERCENT

OIL SAT.,
PERCENT

PERMEABILITY, IN MILLIDARCS



KEY:



SHALY SANDSTONE

DELL GIBBS & O'LEAN GIBBS

TERRY WILKES LEASE

WILSON COUNTY, KANSAS

WELL NO. 1

DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE POROSITY PERCENT	AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT	AVERAGE PERMEABILITY, MILLIDARCS
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944.0 - 949.0	5.0	14.5	22.6	32.8	4.2
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