

Computer Inventoried

# OILFIELD RESEARCH LABORATORIES

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

December 27, 1977

Jackson Brothers  
514 North Main  
Eureka, Kansas 67045

Gentlemen:

Enclosed herewith are the results of tests run on the Rotary core taken from Pixlee "B" Lease, Well No. 22, Greenwood County, Kansas, and submitted to our laboratory on December 19, 1977.

This core was sampled by a representative of Oilfield Research Laboratories.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

  
Benjamin R. Pearman

BRP:ss  
6 c to Eureka, Kansas

# Oilfield Research Laboratories

## GENERAL INFORMATION & SUMMARY

Company Jackson Brothers Lease Pixlee "B" Well No. 22

Location NE NW SE

Section 8 Twp. 22S Rge. 10E County Greenwood State Kansas

Name of Sand - - - - - Bartlesville

Top of Core - - - - - 2305.0

Bottom of Core - - - - - 2331.0

Top of Sand - - - - - (Analyzed) - - - - - 2313.1

Bottom of Sand - - - - - 2331.0

Total Feet of Permeable Sand - - - - - 5.5

Total Feet of Floodable Sand - - - - -

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 1	5.5	5.5

Average Permeability Millidarcys - - - - - 0.38

Average Percent Porosity - - - - - 13.6

Average Percent Oil Saturation - - - - - 13.8

Average Percent Water Saturation - - - - - 67.4

Average Oil Content, Bbls./A. Ft. - - - - - 144.

Total Oil Content, Bbls./Acre - - - - - 1,038.

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 Jackson Brothers Lease Pixlee "B" Well No. 22

<u>Depth Interval, Feet</u>	<u>Description</u>
2305.0 - 2310.2	Gray slightly sandy shale.
2310.2 - 2310.4	Gray shaly sandstone.
2310.4 - 2313.1	Gray slightly sandy shale.
2313.1 - 2313.4	Gray shaly sandstone.
2313.4 - 2320.1	Gray slightly sandy shale.
2320.1 - 2322.6	Grayish light brown shaly sandstone.
2322.6 - 2326.0	Gray shale.
2326.0 - 2328.6	Grayish light brown shaly sandstone.
2328.6 - 2329.2	Gray shale.
2329.2 - 2331.0	Grayish light brown shaly sandstone.

RESULTS OF SATURATION & PERMEABILITY TESTS

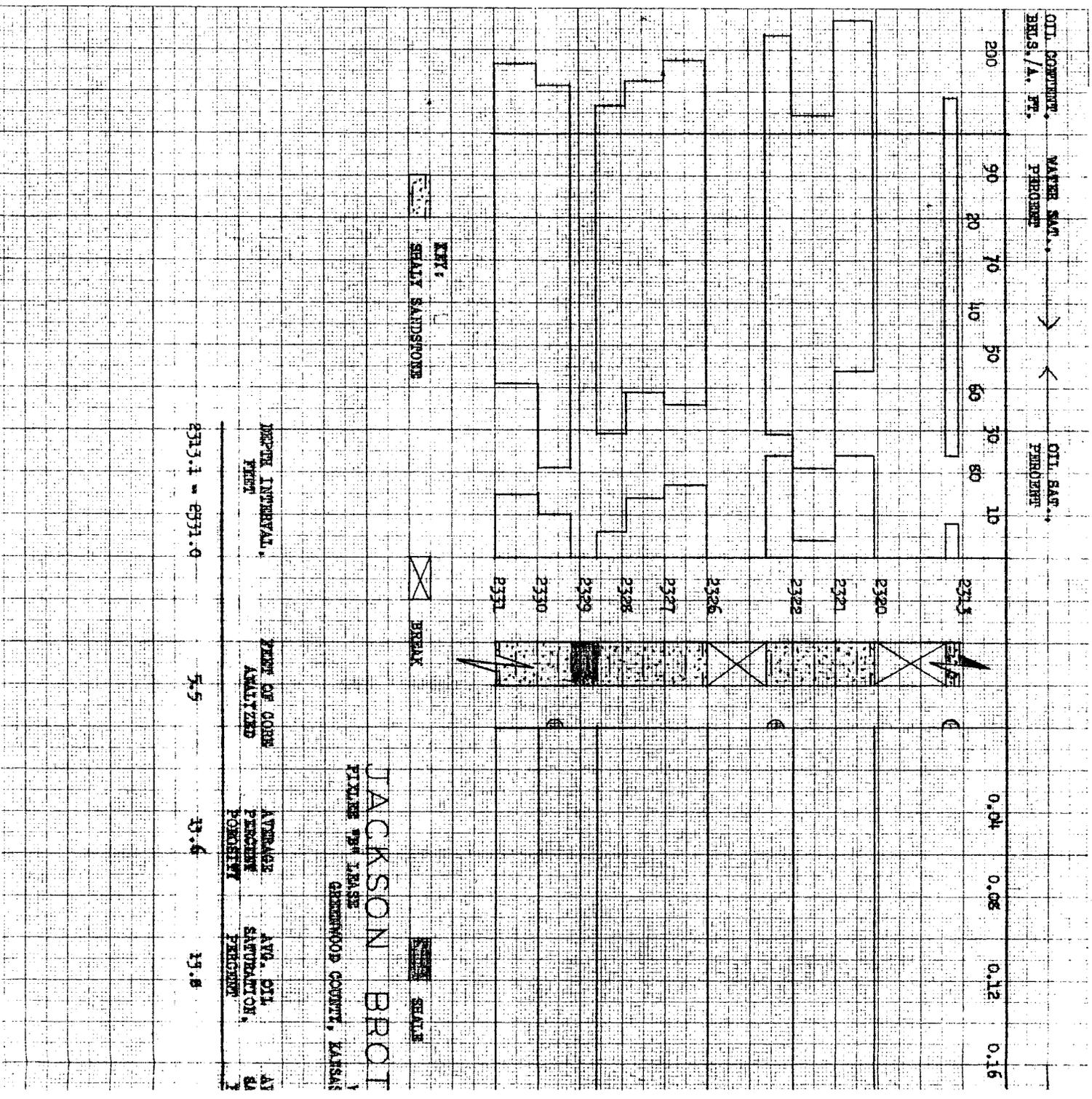
TABLE I-B

Company Jackson Brothers

Lease Pixlee "B"

Well No. 22

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	2313.3	13.6	8	76	84	Imp.	0.3	0.3	25	0.00
2	2320.5	14.5	24	56	270	0.32	0.9	1.2	243	0.29
3	2321.5	14.1	4	79	44	0.19	1.0	2.2	44	0.19
4	2322.4	12.5	24	71	232	Imp.	0.6	2.8	139	0.00
5	2326.5	13.1	17	64	173	0.85	1.0	3.8	173	0.85
6	2327.4	11.6	14	61	126	0.33	0.9	4.7	113	0.30
7	2328.4	14.3	6	71	66	0.32	0.7	5.4	46	0.22
8	2329.6	14.5	10	79	112	Imp.	0.8	6.2	90	0.00
9	2330.6	14.2	15	59	165	0.23	1.0	7.2	165	0.23



API PERMEABILITY IN MILLIDARDS

0.04 0.08 0.12 0.16 0.20 0.24 0.28 0.32 0.36 0.40 0.44 0.48 0.52 0.56

SEAL

SANDY SEAL

⊕ IMPERMEABLE TO AIR

CKSON BROTHERS

22 73' LEASE  
GREENWOOD COUNTY, KANSAS  
WELL NO. 22

PERCENTAGE POROSITY	AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT	AVG. OIL CONTENT, HILB. V. M.	TOTAL OIL CONTENT, HILB. V. M. / ACRES	API PERMEABILITY, MILLIDARDS
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33.6 33.8 67.4 144. 1,038 0.38

OBTAINED THROUGH LABORATOR  
DALLAS, KANSAS  
MARCH, 1977

MILLIBAROTS

0.32 0.36 0.40 0.44 0.48 0.52 0.56 0.60 0.64

AIR SEAL

① IMPERMEABLE TO AIR

TOTAL OIL  
CONTENT,  
MILLIS / ACRE

AIR, AIR  
PERMEABILITY,  
MILLIBAROTS

1.096

0.16

OILFIELD RESEARCH LABORATORIES  
GRANT, KANSAS  
DECEMBER, 1977

0.85 →