

# 1024022016

Oilfield Research Laboratories

20 JAN. 1970

GENERAL INFORMATION & SUMMARY

Company Jackson Brothers Lease Jackson Heirs Well No. 25

Location SE SW SW

Section 23 Twp. 25S Rge. 8E County Greenwood State Kansas

Name of Sand	- - - - -	Bartlesville
Top of Core	- - - - -	2501.0
Bottom of Core	- - - - -	2527.0
Top of Sand	- - - - -	2508.7
Bottom of Sand	- - - - -	2521.5
Total Feet of Permeable Sand	- - - - -	11.3
Total Feet of Floodable Sand	- - - - -	6.4

Distribution of Permeable Sand:  
Permeability Range  
Millidarcys

	Feet	Cum. Ft.
0 - 2	4.0	4.0
2 - 4	5.9	9.9
4 & above	1.4	11.3

Average Permeability Millidarcys	- - - - -	3.0
Average Percent Porosity	- - - - -	16.7
Average Percent Oil Saturation	- - - - -	32.3
Average Percent Water Saturation	- - - - -	58.0
Average Oil Content, Bbls./A. Ft.	- - - - -	422
Total Oil Content, Bbls./Acre	- - - - -	5,195
Average Percent Oil Recovery by Laboratory Flooding Tests	- - - - -	14.7
Average Oil Recovery by Laboratory Flooding Tests, Bbls./A. Ft.	- - - - -	197
Total Oil Recovery by Laboratory Flooding Tests, Bbls./Acre	- - - - -	1,162
Total Calculated Oil Recovery, Bbls./Acre - (Primary & Secondary)	- - - - -	1,325
Packer Setting, Feet	- - - - -	
Viscosity, Centipoises @	- - - - -	
A. P. I. Gravity, degrees @ 60 °F	- - - - -	
Elevation, Feet	- - - - -	K.B. = EST. 1475' ±

A fresh water mud was used as a circulating fluid in the coring of the sand in this well. This well was drilled in a virgin area.

#### FORMATION CORED

The detailed log of the formation cored is as follows:

<u>Depth Interval, Feet</u>	<u>Description</u>
2501.0 - 2505.0	Gray shale.
2505.0 - 2507.0	Gray sandy shale.
2507.0 - 2508.7	Gray shale.
2508.7 - 2521.5	Light brown fine grained slightly shaly sandstone.
2521.5 - 2527.0	Dark shale.

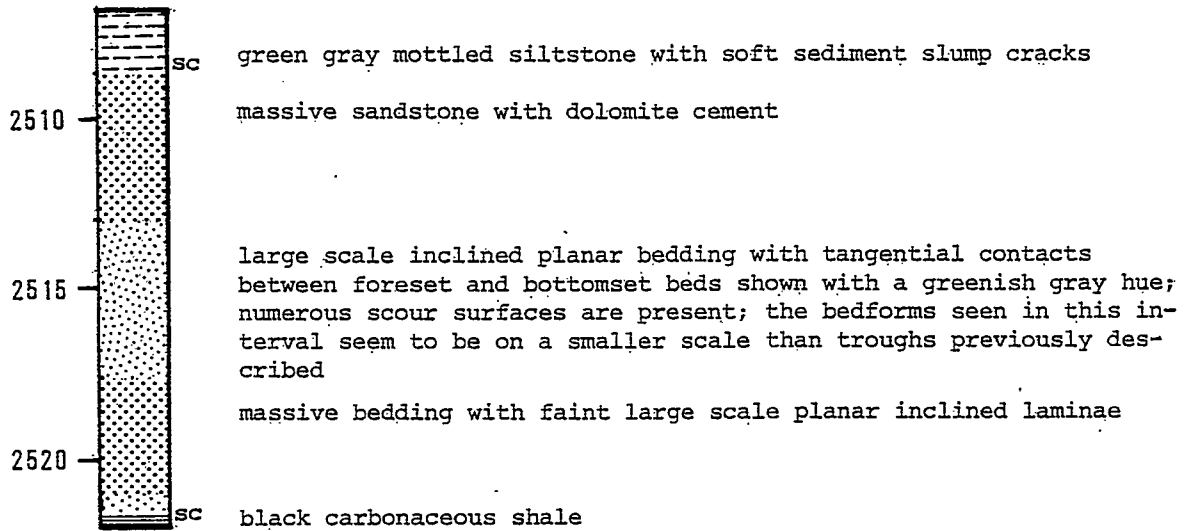
Coring was started at a depth of 2501.0 feet in gray shale and completed at 2527.0 feet in dark shale. This core shows a total of 12.8 feet of sandstone. For the most part, the pay is made up of light brown fine grained slightly shaly sandstone.

#### PERMEABILITY

For the sake of distribution, the core was divided into two sections. The weighted average permeability of the upper and lower sections is 2.1 and 4.7 millidarcys respectively; the overall average being 3.0 (See Table III). By observing the data given on the coregraph, it is noticeable that the

JACKSON BROS. JACKSON HEIRS NO. 25

23-25S-8E



JACKSON BROS. BARRIER NO.35

3-26S-8E

