

1024022042

~~ANY IN ANY WAY BE #1024021937 40 3"~~

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

22 Aug. 1964

Company Jackson Bros. Lease Olsen Well No. 3-B

Location SE 1/4 (560' WEL + 1320' NSL)

Section 11 Twp. 25S Rge. 8E County Greenwood State Kansas

Name of Sand	- - - - -	Upper B'ville
Top of Core	- - - - -	2394.0
Bottom of Core	- - - - -	2424.0
Top of Sand	- - - - -	2413.0
Bottom of Sand	- - - - -	2417.0
Total Feet of Permeable Sand	- - - - -	4.0
Total Feet of Floodable Sand	- - - - -	None.

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 2	1.6	1.6
2 & above	2.4	4.0

Average Permeability Millidarcys	- - - - -	2.1
Average Percent Porosity	- - - - -	12.2
Average Percent Oil Saturation	- - - - -	32.7
Average Percent Water Saturation	- - - - -	48.1
Average Oil Content, Bbls./A. Ft.	- - - - -	305.
Total Oil Content, Bbls./Acre	- - - - -	1,830.
Average Percent Oil Recovery by Laboratory Flooding Tests	- - - - -	None.
Average Oil Recovery by Laboratory Flooding Tests, Bbls./A. Ft.	- - - - -	None.
Total Oil Recovery by Laboratory Flooding Tests, Bbls./Acre	- - - - -	None.
Total Calculated Oil Recovery, Bbls./Acre	- - - - -	None.
Packer Setting, Feet	- - - - -	
Viscosity, Centipoises @	- - - - -	
A. P. I. Gravity, degrees @ 60 °F	- - - - -	
Elevation, Feet	- - - - -	K.B. = 1385'

OILFIELD RESEARCH LABORATORIES

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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. The core was sampled and sealed in tin cans by a representative of Oilfield Research Laboratories.

FORMATION CORED

The detailed log of the formation cored is as follows:

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
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UPPER BARTLESVILLE

2394.0 - 2402.0	- Shale.
2402.0 - 2410.0	- Sandy shale.
2410.0 - 2413.0	- Sandy shale with a formation containing a vertical fracture.
2413.0 - 2417.0	- Light brown, fine grained, shaly sandstone.
2417.0 - 2424.0	- Shale.
2424.0 - 2432.0	- Drilled.

LOWER BARTLESVILLE

2432.0 - 2441.5	- Brown, fine grained, slightly shaly sandstone.
2441.5 - 2453.0	- Shale.

Coring was started at a depth of 2394.0 feet (upper zone) in shale and completed at 2453.0 feet in the same type of material. The cores show a total of 13.5 feet of sandstone. The pay is made up of brown, fine grained, slightly shaly sandstone (in lower zone). The interval (2424.0 to 2432.0 feet) was drilled with rotary tools.

PERMEABILITY

The weighted average permeability of the upper and lower sands is 2.1 and 25.6 millidarcys respectively (See Table III). The permeability of the sands varies from 0.30 to a maximum of 55. millidarcys.