

OILFIELD RESEARCH LABORATORIES

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

November 8, 1979

Tutcher Oil and Gas Company P.O. Box 308 Overbrook, Kansas 66524

Gentlemen:

Enclosed herewith is the report of the test results run on the rotary core taken from the Robert L. West Lease, Well No.3, Coffey County, Kansas, and submitted to our laboratory on October 28, 1979.

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

Benjamin R. Pearman

BRP/tem 5 c to Overbrook, Kansas

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company Tutcher Oil and Ga	s Company Less	Robert L. West	Well No3
Location 759 NSL & 220	EWL SW		
Section 28 Twp 22S Rge 17E	Cou	nty Coffey	State Kansas
Name of Sand			Lower Squirrel
Top of Core			968.0
Bottom of Core		. 	979•5
Top of Sand	(t	ested)	969.0
Bottom of Sand	(t	ested)	977•7
Total Feet of Permeable Sand			4.8
Total Feet of Floodable Sand			
Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.	
0 - 10	1.7	1.7	
20 - 25	1.3	3.0	
25 & Above	1.8	4.8	
Average Permeability Millidarcys	· • • • •	- • • •	30.1
Average Percent Porosity			16.6
Average Percent Oil Saturation			40.8
Average Percent Water Saturation -			40.5
Average Oil Content, Bbls./A. Ft			572.
Total Oil Content, Bbls./Acre			3,318.
Average Percent Oil Recovery by Laborat	tory Flooding Tests		
Average Oil Recovery by Laboratory Floo	ding Tests, Bbls./A. F	t.	
Total Oil Recovery by Laboratory Floodin	g Tests, Bbls./Acre		
Total Calculated Oil Recovery, Bbls./Acre		• • • • •	
Packer Setting, Feet	• • • • •	-,	
Viscosity, Centipolses @			
A. P. I. Gravity, degrees @ 60 °F		• • • • • •	
Elevation, Feet		• • • • •	

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LOG

Name Tutcher Oil and	Gas Company Lease Robert L. West Well No. 3
Depth Interval, Feet	Description
968.0 - 973.0	Gray and brown laminated shale and sandstone 30% sandstone.
973.0 - 976.0	Brown laminated shaly sandstone.
976.0 - 976.9	Gray sandy shale.
976.9 - 977.7	Brown laminated shaly sandstone.
977.7 - 978.7	Brown and gray laminated sandstone and shale 60% sandstone.
978.7 - 979.5	Gray and brown laminated shale and sandstone.

			Well No.
Oilfield Research Laboratories	RESULTS OF SATURATION & PERMEABILITY TESTS	TABLE 1-B	Lease Robert L. West
Oilfie	RESULTS OF SA		ny Tutcher Oil and Gas Company

Perm.
Total 0il
Feet of Sand
Perm.,
Oil Content
Percent Saturation
Effective Porosity
Depth,
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Pen	
Total Oil	Content
Feet of Sand	100
Perm.,	H 1
Oil Content	Bbls. / A Ft.
Percent Saturation	Oil Wotes Total Bbls. / A Ft.
Effective	Demont
Depth,	Feet

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Perm.	Ft X md.
Total Oil	Content
Feet of Sand	Ft. Cum. Ft.
Perm.,	Mill.
Oil Content	Bbls. / A Ft.
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Per	0.11
Effective	Percent

T G T
Total Oil Content
Feet of Sand Ft. Cum. Ft.
Feet o
Perm., Mill.
Oil Content Bbls. / A Ft.
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Per

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0.15 0.00 77.00 14.70 13.20 4.27 35.20

238 298 700 7496 752

HHH0000

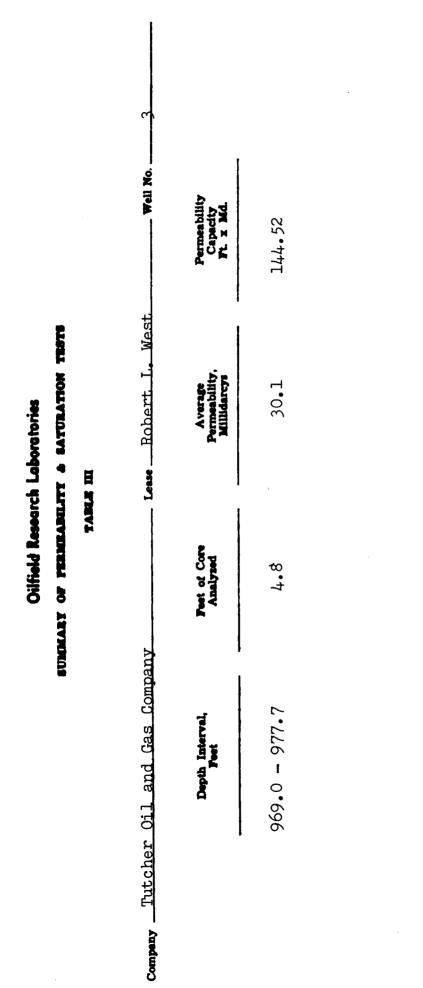
0.15 Imp. 77. 21. 22. 6.1

238 90 700 777 826 711 940

5405642

969.5 970.6 973.3 977.4 975.0

1004500



Total Oil Content Bbls./Acre

Average Oil Content Bbl./A. Pt.

Average Percent Water Saturation

Average Percent Oil Seturation

Average Percent

Poet of Core
Analyzed

Depth Interval,

3,318

572

40.5

8.04

16.6

5.8

7.779 - 0.696