



# OILFIELD RESEARCH LABORATORIES

536 NORTH HIGHLAND - CHANUTE, KANSAS - PHONE HE1-2650

August 9, 1968

TEC Drilling Company  
P. O. Box 693  
El Dorado, Kansas 67042

Gentlemen:

Enclosed herewith are the results of tests run on the Rotary core taken from the Glenn Lease, Well No. 3, Coffey County, Kansas, and submitted to our laboratory on August 6, 1968.

This core is from a virgin territory and was sampled by a representative of Oilfield Research Laboratories and sealed in cans.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Carl L. Pate

CLP:dp

6 c. - El Dorado, Kansas

# Oilfield Research Laboratories

## GENERAL INFORMATION & SUMMARY

Company TEC Drilling Company Lease Glenn Well No. 3

Location NW NW NW

Section 18 Twp. 23S Rge. 16E County Coffey State Kansas

Name of Sand	Squirrel
Top of Core	1061.0
Bottom of Core	1079.0
Top of Sand	1061.8
Bottom of Sand	1066.6
Total Feet of Permeable Sand	3.6
Total Feet of Floodable Sand	

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 5	1.9	1.9
5 & above	1.7	3.6

Average Permeability Millidarcys	5.6
Average Percent Porosity	17.1
Average Percent Oil Saturation	50.6
Average Percent Water Saturation	29.6
Average Oil Content, Bbls./A. Ft.	672.
Total Oil Content, Bbls./Acre	2,418.
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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Company TEC Drilling Company Lease Glenn Well No. 3

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
1061.0 - 1061.8	Gray sandy shale.
1061.8 - 1064.7	Dark brown shaly sandstone.
1064.7 - 1065.9	Gray sandy shale.
1065.9 - 1066.6	Dark brown shaly sandstone.
1066.6 - 1069.0	Laminated sandy shale.
1069.0 - 1079.0	Gray sandy shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company TEC Drilling Company Lease Glenn Well No. 3

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	Total			Ft.	Cum. Ft.		
1	1062.0	14.8	49	24	73	563	4.7	0.7	0.7	394	3.29
2	1063.0	18.0	54	36	90	754	0.95	1.2	1.9	905	1.14
3	1064.5	18.6	48	31	79	693	6.6	1.0	2.9	693	6.60
4	1066.0	15.7	50	22	72	609	13.	0.7	3.6	426	9.10