



OILFIELD RESEARCH LABORATORIES

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

July 26, 1967

19-23-16E
TEC Drilling Company, Inc.
P. O. Box 693
El Dorado, Kansas 67042

Gentlemen:

Enclosed herewith are the results of tests run on the Rotary core taken from the Dearinger Lease, Well No. 7, Woodson County, Kansas, and submitted to our laboratory on July 23, 1967.

This core was sampled and the samples were sealed in plastic bags by a representative of Oilfield Research Laboratories.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Benjamin R. Pearman
Benjamin R. Pearman

BRP:bl
5 c.

Dearinger 7

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GENERAL INFORMATION & SUMMARY

Company TEC Drilling Co., Inc. Lease Dearinger Well No. 7

Location SE, SW, NE

Section 19 Twp. 23S Rge. 16E County Woodson State Kansas

Name of Sand - - - - - Upper Squirrel

Top of Core - - - - - 1045.0

Bottom of Core - - - - - 1063.0

Top of Sand - - - - - (Tested) 1045.0

Bottom of Sand - - - - - (Tested) 1050.0

Total Feet of Permeable Sand - - - - - 4.0

Total Feet of Floodable Sand - - - - -

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

0 - 3.3	3.2	3.2
above 3.3	0.8	4.0

Average Permeability Millidarcys - - - - - 9.2

Average Percent Porosity - - - - - 13.5

Average Percent Oil Saturation - - - - - 30.1

Average Percent Water Saturation - - - - - 53.0

Average Oil Content, Bbls./A. Ft. - - - - - 334.

Total Oil Content, Bbls./Acre - - - - - 1,670.

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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LOGCompany TEC Drilling Company, Inc. Lease Dearinger Well No. 7

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
1045.0 - 1046.0	- Brown shaly sandstone.
1046.0 - 1048.0	- Gray laminated shaly sandstone.
1048.0 - 1048.8	- Brown sandstone.
1048.8 - 1051.0	- Gray laminated shaly sandstone.
1051.0 - 1063.0	- Gray shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company TEC Drilling Company, Inc. Lease Dearinger Well No. 7

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	1045.1	14.3	44	30	74	487	2.0	1.0	1.0	487	2.00
2	1046.1	13.4	38	56	94	394	3.3	1.0	2.0	394	3.30
3	1047.1	13.6	27	67	94	284	Imp.	1.0	3.0	284	0.00
4	1048.1	17.3	40	30	70	536	39.	0.8	3.8	429	31.20
5	1049.8	10.2	8	74	82	63	0.26	1.2	5.0	76	0.31
								Total	- - -	1,670	