



OILFIELD RESEARCH LABORATORIES

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

December 22, 1966

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

Gentlemen:

Enclosed herewith are the results of tests run on the Rotary core taken from the Stoekebrand Lease, Well No. 1, Woodson County, Kansas, and submitted to our laboratory on December 20, 1966.

This core was sampled and the samples sealed in cans by a representative of Oilfield Research Laboratories. The well was drilled in virgin territory.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Benjamin R. Pearman

Benjamin R. Pearman

BRP:rf

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GENERAL INFORMATION & SUMMARY

Company TEC Drilling Company Lease Stockebrand Well No. 1

Location SE SW

Section 30 Twp. 24S Rge. 16E County Woodson State Kansas

Name of Sand - - - - - Squirrel

Top of Core - - - - - 997.0

Bottom of Core - - - - - 1010.6

Top of ^{Pay}Sand - - - - - 998.0

Bottom of ^{Pay}Sand - - - - - 1001.6

Total Feet of Permeable Sand - - - - - 5.6

Total Feet of Floodable Sand - - - - -

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

0 - 1

2.0

2.0

4 - 9

3.6

5.6

Average Permeability Millidarcys - - - - - 4.2

Average Percent Porosity - - - - - 15.5

Average Percent Oil Saturation - - - - - 48.1

Average Percent Water Saturation - - - - - 41.4

Average Oil Content, Bbls./A. Ft. - - - - - 596.

Total Oil Content, Bbls./Acre - - - - - 4,537.

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 Co. Lease Stockebrand Well No. 1

Depth Interval, <u>Feet</u>	<u>Description</u>
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997.0 - 998.0	- Gray and brown, laminated, shaly sandstone.
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998.0 - 1001.6	- Brown, slightly laminated, slightly calcareous sandstone.
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1001.6 - 1006.3	- Gray and light brown, laminated, shaly sandstone.
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1006.3 - 1010.6	- Gray sandy shale.
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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

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			Ft.	Cum. Ft.		
1	997.1	14.8	40	49	89	Imp.	1.0	1.0	459	0.00
2	998.1	15.7	60	20	80	6.8	0.6	1.6	439	4.08
3	999.1	18.4	54	27	81	8.7	1.0	2.6	770	8.70
4	1000.1	16.1	63	34	97	4.2	1.0	3.6	786	4.20
5	1001.1	16.8	53	29	82	6.1	1.0	4.6	690	6.10
6	1002.1	13.1	37	61	98	0.51	1.0	5.6	376	0.51
7	1004.1	14.6	44	51	95	0.35	1.0	6.6	497	0.35
8	1006.1	14.6	46	51	97	Imp.	1.0	7.6	520	0.00
							Total		4,537	

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company		TEC Drilling Company		Lease		Stockebrand		Well No.		1			
Depth Interval, Feet		Feet of Core Analyzed		Average Permeability, Millidarcys		Permeability Capacity Ft. x Md.							
997.0 - 1001.6		3.6		6.4		23.08							
1001.6 - 1006.3		2.0		0.43		0.86							
997.0 - 1006.3		5.6		4.2		23.94							
Depth Interval, Feet		Feet of Core Analyzed		Average Percent Porosity		Average Percent Oil Saturation		Average Percent Water Saturation		Average Oil Content Bbl./A. Ft.		Total Oil Content Bbls./Acre	
997.0 - 1001.6		4.6		16.4		53.5		32.8		684		3,144	
1001.6 - 1006.3		3.0		14.1		42.3		54.3		465		1,393	
997.0 - 1006.3		7.6		15.5		48.1		41.4		596		4,537	