

OILFIELD RESEARCH LABORATORIES

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

December 17, 1968

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 Stockebrand Lease, Well No. 6, Woodson County, Kansas, and submitted to our laboratory on December 16, 1968.

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

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Carl L. Pate

CLP:dp

5 c. - El Dorado, Kansas

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company TEC Drilling Company, Inc. Lease Stockebrand Well No. 6

Location NW SE SE

Section 17 Twp. 25S Rge. 16E County Woodson State Kansas

Name of Sand - - - - - Squirrel

Top of Core - - - - - 923.0

Bottom of Core - - - - - 937.0

Top of ^{Good}Sand - - - - - 925.4

Bottom of ^{Good}Sand - - - - - 931.5

Total Feet of Permeable Sand - - - - - 7.0

Total Feet of Floodable Sand - - - - -

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

0 - 10

1.2

1.2

10 - 50

3.1

4.3

50 & above

2.7

7.0

Average Permeability Millidarcys - - - - - 47.1

Average Percent Porosity - - - - - 17.0

Average Percent Oil Saturation - - - - - 67.2

Average Percent Water Saturation - - - - - 22.5

Average Oil Content, Bbls./A. Ft. - - - - - 941.

Total Oil Content, Bbls./Acre - - - - - 8,282.

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 - - - - -

-LOG-Company TEC Drilling Company Lease Stoekebrand Well No. 6

<u>Depth Interval, Feet</u>	<u>Description</u>
923.0 - 923.9	Gray sandy shale.
923.9 - 924.9	Hard gray calcareous shaly sandstone.
924.9 - 925.4	Brown slightly shaly sandstone.
925.4 - 927.0	Dark brown sandstone.
927.0 - 927.5	Dark brown slightly shaly sandstone.
927.5 - 930.0	Dark brown sandstone.
930.0 - 930.3	Dark brown slightly shaly sandstone.
930.3 - 931.5	Dark brown sandstone.
931.5 - 932.0	Dark brown shaly sandstone.
932.0 - 932.8	Gray sandy shale with very slight bleeding.
932.8 - 933.2	Brown shaly sandstone.
933.2 - 937.0	Gray sandy shale.

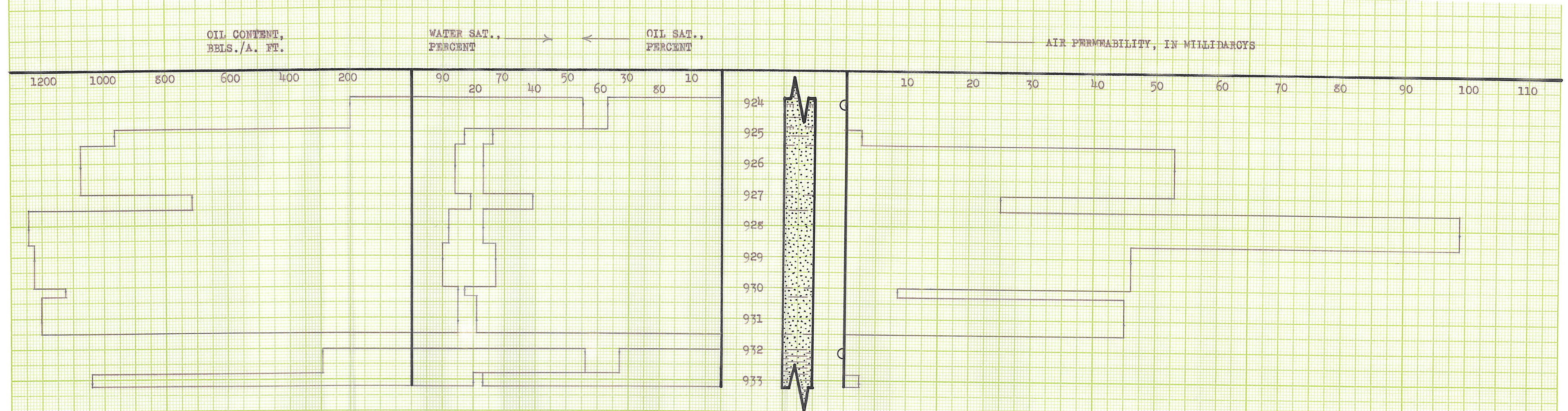
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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company TEC Drilling Company, Inc. Lease Stoeckbrand Well No. 6

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	924.1	7.0	37	55	92	201	Imp.	1.0	1.0	201	0.00
2	925.1	16.8	74	17	91	965	2.6	0.5	1.5	482	1.30
3	926.1	18.0	77	14	91	1076	53.	1.6	3.1	1721	84.80
4	927.1	15.1	61	19	80	715	25.	0.5	3.6	358	12.50
5	928.1	20.8	77	12	89	1243	99.	1.1	4.7	1368	108.90
6	929.1	21.7	73	10	83	1228	46.	1.4	6.1	1720	64.40
7	930.1	17.5	83	15	98	1127	8.6	0.3	6.4	338	2.58
8	931.1	19.6	79	15	92	1202	45.	1.2	7.6	1442	54.00
9	932.1	11.5	33	56	89	295	Imp.	0.8	8.4	236	0.00
10	933.1	17.4	77	20	97	1040	2.5	0.4	8.8	416	1.00



TEC DRILLING COMPANY, INC.

STOCKBRAND LEASE WOODSON COUNTY, KANSAS WELL NO. 6

DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE PERCENT POROSITY	AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT	AVG. OIL CONTENT BBLs./A.FT.	TOTAL OIL CONTENT BBLs./ACRE	AVG. AIR PERMEABILITY, MILLIDARCYs
923.9 - 933.2	8.8	17.0	67.2	22.5	941	8,282	47.1

OILFIELD RESEARCH LABORATORIES
CHANUTE, KANSAS
DECEMBER, 1968.

KEUFFEL & ESSER CO.
MADE IN U.S.A.

SS SECTION