● CORE ANALYSIS ● WATER REPRESSURING ENGINEERING ● WATER ANALYSIS ● FLOODING WATER TREATMENT ● SURVEYING

OILFIELD RESEARCH LABORATORIES

- REGISTERED ENGINEERS -

700 NORTH MISSION
OKMULGEE, OKLAHOMA
PHONE: 4444

Chanute, Kansas

536 N. HIGHLAND
CHANUTE, KANSAS
PHONE: HE 1-2650

August 14, 1962

Tex-Kan Oils Ltd.
Box 2108
Ft. Worth, Texas

Gentlemen:

Attached hereto are the results of tests run on the Rotary core taken from the Moon Lease, Well No. 15, Woodson County, Kansas, and submitted to our laboratory on August 13, 1962.

This core was brought in by a representative of the client.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Fred O. Stenger

Fred O. Stenger

FOS:rf

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GENERAL INFORMATION & SUMMARY

Company Tex-Kan Oils Ltd. Lease Moon Well No. 15

Location W½ NW¼

Section 15 Twp. 25S Rge. 27E ~~25E~~ County Woodson State Kansas

Name of Sand - - - - - - - - - - - - - - - - - - Squirrel & Bartlesville

Top of Core - 714.0

Bottom of Core - - - - - - - - - - - - - - - - - - - 952.0

Top of Sand - 715.4

Bottom of Sand - - - - - - - - - - - - - - - - - - - ?

Total Feet of Permeable Sand - - - (Analyzed) - - - - - - - - 13.2

Total Feet of Floodable Sand - - - - - - - - - - - - - - - -

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 5	1.0	1.0
5 - 30	3.6	4.6
30 - 100	4.6	9.2
100 & above	4.0	13.2

Average Permeability Millidarcys - - - - - - - - - - - - - - 61.0

Average Percent Porosity - - - - - - - - - - - - - - - - 20.2

Average Percent Oil Saturation - - - - - - - - - - - - - - -

Average Percent Water Saturation - - - - - - - - - - - - - -

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

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

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 Tex-Kan Oils Ltd. Lease Moon Well No. 15

Depth Interval, Feet	Description
714.0 - 715.4	Sandy shale.
715.4 - 719.0	Dark brown, laminated, slightly shaly sandstone.
719.0 - 720.0	Sandy shale.
720.0 - 721.0	Dark brown, laminated, slightly shaly sandstone.
721.0 - 723.0	Sandy shale.
723.0 - 943.0	Core not received.
943 0 - 943.4	Laminated sandstone and shale.
943.4 - 952.0	Brown, slightly shaly sandstone.

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RESULTS OF PERMEABILITY AND POROSITY TESTS

TABLE I A

Company Tex-Kan Oils Ltd. Lease Moon Well No. 15

Sample No.	Depth Feet	Permeability Millidarcys	Feet of Core		Permeability Capacity Ft. x Md.	Percent Porosity
			Ft.	Cum. Ft.		
1	715.5	30.	0.6	0.6	18.00	19.1
2	716.5	103.	1.0	1.6	103.00	22.4
3	717.5	152.	1.0	2.6	152.00	22.3
4	718.5	118.	1.0	3.6	118.00	20.4
5	720.5	26.	1.0	4.6	26.00	16.7
6	943.5	23.	0.6	5.2	13.80	17.0
7	944.5	42.	1.0	6.2	42.00	21.1
8	945.5	30.	1.0	7.2	30.00	21.0
9	946.5	48.	1.0	8.2	48.00	20.9
10	947.5	4.9	1.0	9.2	4.90	17.3
11	948.5	70.	1.0	10.2	70.00	22.4
12	949.5	21.	1.0	11.2	21.00	21.6
13	950.5	22.	1.0	12.2	22.00	17.3
14	951.5	142.	1.0	13.2	142.00	21.7

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SUMMARY OF PERMEABILITY & POROSITY TESTS

TABLE II A

Company Tex-Kan Oils Ltd Lease Moon Well No. 15

Depth Interval, Feet	Feet of Core Analyzed	Average Air Permeability, Millidarcys	Average Effective Permeability, Millidarcys	Permeability Capacity Ft. x Md.	Average Percent Porosity
715.4 - 721.0	4.6	91.		417.00	20.3
943.4 - 952.0	8.6	46.		393.70	20.2
715.4 - 952.0	13.2	61.		810.70	20.2