

OILFIELD RESEARCH LABORATORIES

536 NORTH HIGHLAND - CHANUTE, KANSAS 66720 - PHONE (316) 431-2650

May 29, 1980

We-Kan Resources, Incorporated
Western Federal Savings Building
Suite 1800
Denver, Colorado 80202

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core samples taken from the Katzer Lease, Well No. 4, Anderson County, Kansas, and submitted to our laboratory on May 13, 1980.

The core was sampled and sealed in plastic bags by a representative of the client. In examining this core, it is assumed that each sample represents one foot of core.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES


Sanford A. Michel

SAM/tem

1 c to Garnett, Kansas
4 c to Denver, Colorado

- REGISTERED ENGINEERS -

CORE ANALYSIS - WATER ANALYSIS - REPRESSURING ENGINEERING - SURVEYING & MAPPING - PROPERTY EVALUATION & OPERATION

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company We-Kan Resources, Incorporated Lease Katzer Well No. 4
 Location 600' FNL & 1440' FWL NE $\frac{1}{4}$
 Section 27 Twp. 20S Rge. 21E County Anderson State Kansas

Elevation, Feet	
Name of Sand	Squirrel
Top of Core	593.0
Bottom of Core	613.0
Top of Sand	593.0
Bottom of Sand	613.0
Total Feet of Permeable Sand	11.0

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 1	8.0	8.0
5 - 15	2.0	10.0
20 & Above	1.0	11.0

Average Permeability Millidarcys	4.5
Average Percent Porosity	16.2
Average Percent Oil Saturation	27.9
Average Percent Water Saturation	53.8
Average Oil Content, Bbls./A. Ft.	356.
Total Oil Content, Bbls./Acre	5,691.

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LOG

Name We-Kan Resources, Inc. Lease Katzer Well No. 4

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
593.0 - 595.0	Gray and brown laminated sandstone and shale.
595.0 - 596.0	Core not received.
596.0 - 599.0	Gray and brown laminated sandstone and shale.
599.0 - 600.0	Core not received.
600.0 - 602.0	Gray and brown laminated sandstone and shale.
602.0 - 603.0	Core not received.
603.0 - 604.0	Gray and brown laminated sandstone and shale.
604.0 - 605.0	Core not received.
605.0 - 608.0	Gray and brown laminated sandstone and shale.
608.0 - 611.0	Brown slightly calcareous sandstone.
611.0 - 613.0	Gray and brown laminated sandstone and shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company We-Kan Resources, Incorporated Lease Katzer Well No. 4

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	593.5	14.3	15	73	166	0.27	1.0	1.0	166	0.27
2	594.5	14.4	27	67	302	Imp.	1.0	2.0	302	0.00
3	596.5	15.4	33	56	394	0.28	1.0	3.0	394	0.28
4	597.5	15.2	26	61	307	0.19	1.0	4.0	307	0.19
5	598.5	13.6	23	73	243	0.85	1.0	5.0	243	0.85
6	600.5	16.1	25	52	312	Imp.	1.0	6.0	312	0.00
7	601.5	20.1	43	39	671	Imp.	1.0	7.0	671	0.00
8	603.5	18.0	17	42	237	0.36	1.0	8.0	237	0.36
9	605.5	15.7	23	61	280	0.68	1.0	9.0	280	0.68
10	606.5	16.4	38	52	484	0.87	1.0	10.0	484	0.87
11	607.5	15.1	25	57	293	0.60	1.0	11.0	293	0.60
12	608.5	19.6	38	30	578	21.	1.0	12.0	578	21.00
13	609.5	17.4	19	51	257	10.	1.0	13.0	257	10.00
14	610.5	19.0	32	33	472	14.	1.0	14.0	472	14.00
15	611.5	14.6	31	54	351	Imp.	1.0	15.0	351	0.00
16	612.5	14.3	31	60	344	Imp.	1.0	16.0	344	0.00

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company We-Kan Resources, Incorporated Lease Katzer Well No. 4

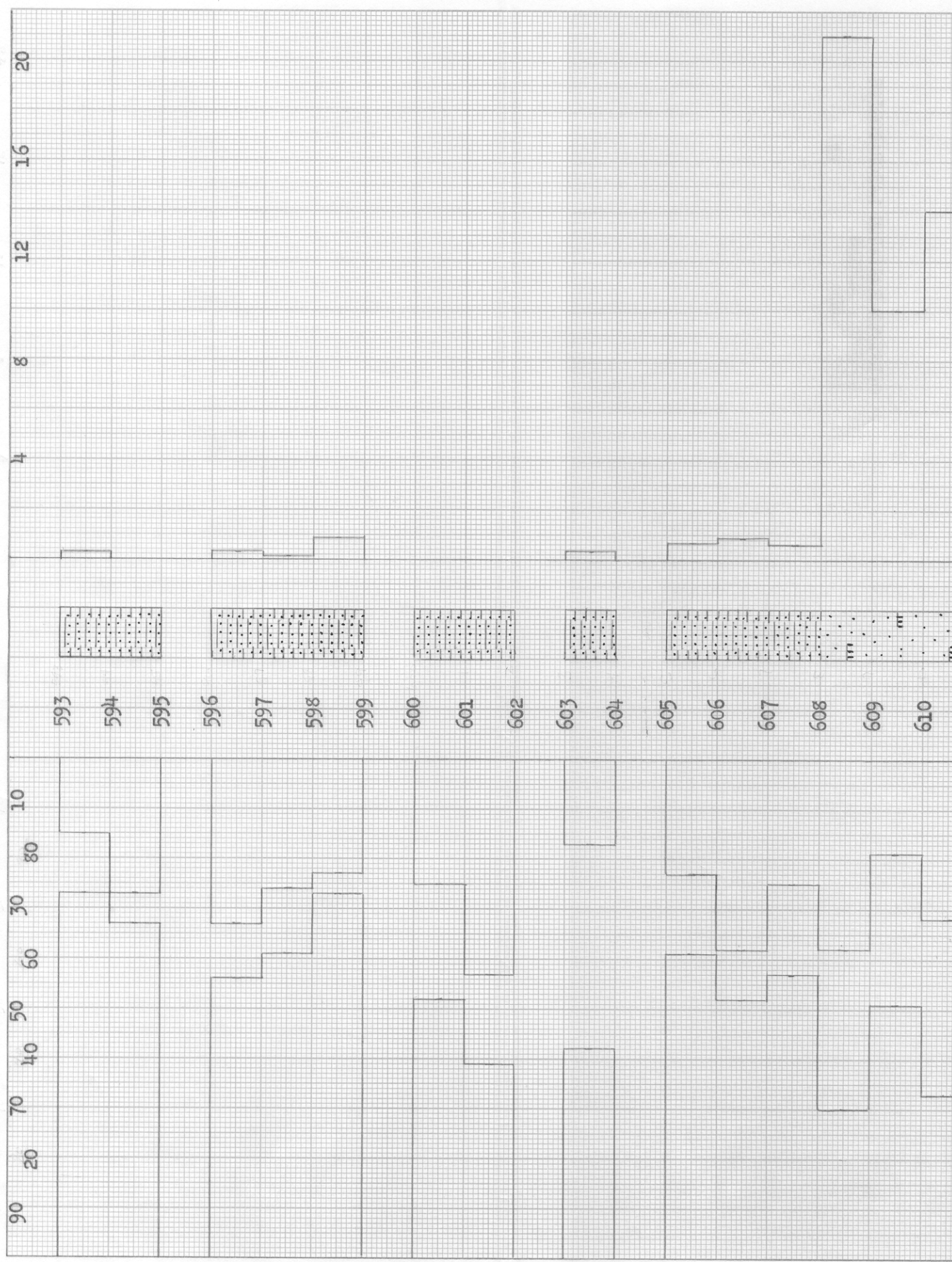
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
593.0 - 613.0	11.0	4.5	49.10

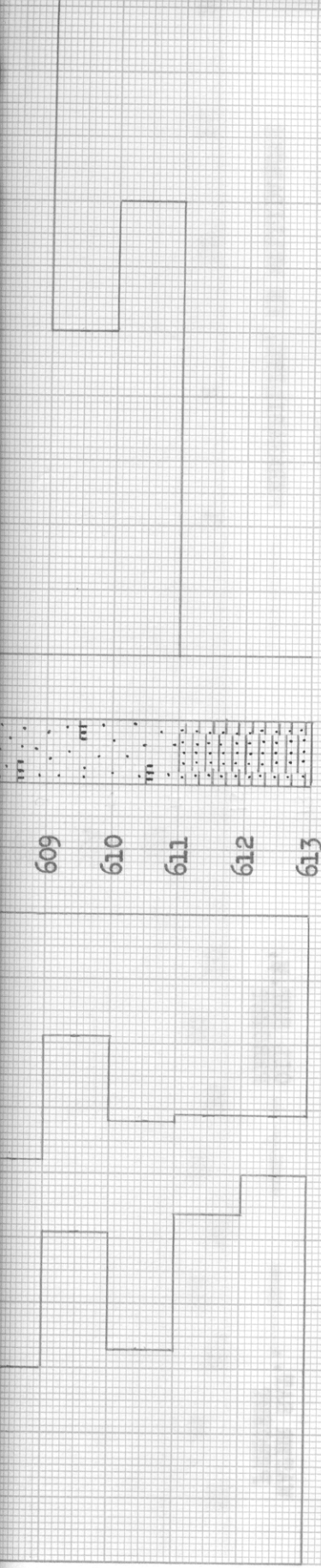
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Porosity	Average Percent Oil Saturation	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbl./Acre
593.0 - 613.0	16.0	16.2	27.9	53.8	356	5,691


PERMEABILITY, IN MILLIDARCS


WATER SAT. PERCENT

OIL SAT. PERCENT






 CALCAREOUS SANDSTONE


 LAMINATED SANDSTONE AND SHALE

KEY:

WE - KAN RESOURCES, INC.

KATZER LEASE

ANDERSON COUNTY, KANSAS

WELL NO. 4

DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE POROSITY PERCENT	AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT	AVERAGE PERMEABILITY, MILLIDARCY
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593.0 - 613.0	16.0	16.2	27.9	53.8	4.5
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OILFIELD RESEARCH LABORATORIES
 CHEANUTE, KANSAS
 MAY, 1980.

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