

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. 5, 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. 5
 Location 440' ENL & 1880' FWL NE $\frac{1}{4}$
 Section 27 Twp. 20S Rge. 21E County Anderson State Kansas

Elevation, Feet	Squirrel
Name of Sand	590.0
Top of Core	608.0
Bottom of Core	590.0
Top of Sand	608.0
Bottom of Sand	14.0
Total Feet of Permeable Sand	

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 3	7.0	7.0
10 - 15	2.0	9.0
20 & Above	5.0	14.0

Average Permeability Millidarcys	11.8
Average Percent Porosity	16.9
Average Percent Oil Saturation	24.4
Average Percent Water Saturation	57.9
Average Oil Content, Bbls./A. Ft.	331.
Total Oil Content, Bbls./Acre	5,966.

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LOGName We-Kan Resources, Inc. Lease Katzer Well No. 5

<u>Depth Interval, Feet</u>	<u>Description</u>
590.0 - 594.0	Brown shaly slightly calcareous sandstone.
594.0 - 595.0	Brown and gray laminated sandstone and shale.
595.0 - 597.0	Grayish brown shaly sandstone.
597.0 - 598.0	Brown slightly calcareous sandstone.
598.0 - 599.0	Brown and gray laminated sandstone and shale.
599.0 - 600.0	Brown slightly calcareous sandstone.
600.0 - 604.0	Brown and gray laminated sandstone and shale.
604.0 - 606.0	Brown slightly calcareous sandstone.
606.0 - 607.0	Brown slightly carbonaceous slightly calcareous sandstone.
607.0 - 608.0	Brown slightly calcareous sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company We-Kan Resources, Incorporated Lease Katzer Well No. 5

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	590.5	14.7	11	84	125	Imp.	1.0	1.0	125	0.00
2	591.5	16.3	24	62	304	0.17	1.0	2.0	304	0.17
3	592.5	14.9	22	73	254	Imp.	1.0	3.0	254	0.00
4	593.5	13.2	17	80	97	0.20	1.0	4.0	97	0.20
5	594.5	20.4	28	37	443	14.	1.0	5.0	443	14.00
6	595.5	22.1	29	35	497	Imp.	1.0	6.0	497	0.00
7	596.5	15.0	23	68	268	2.3	1.0	7.0	268	2.30
8	597.5	21.1	44	29	720	28.	1.0	8.0	720	28.00
9	598.5	14.4	20	71	223	0.20	1.0	9.0	223	0.20
10	599.5	14.4	6	90	67	31.	1.0	10.0	67	31.00
11	600.5	18.7	22	47	319	Imp.	1.0	11.0	319	0.00
12	601.5	14.3	14	74	155	0.25	1.0	12.0	155	0.25
13	602.5	15.4	29	55	347	0.57	1.0	13.0	347	0.57
14	603.5	15.0	30	53	349	0.55	1.0	14.0	349	0.55
15	604.5	21.0	39	32	635	30.	1.0	15.0	635	30.00
16	605.5	20.0	31	34	481	20.	1.0	16.0	481	20.00
17	606.5	13.5	16	80	168	13.	1.0	17.0	168	13.00
18	607.5	19.5	34	38	514	25.	1.0	18.0	514	25.00

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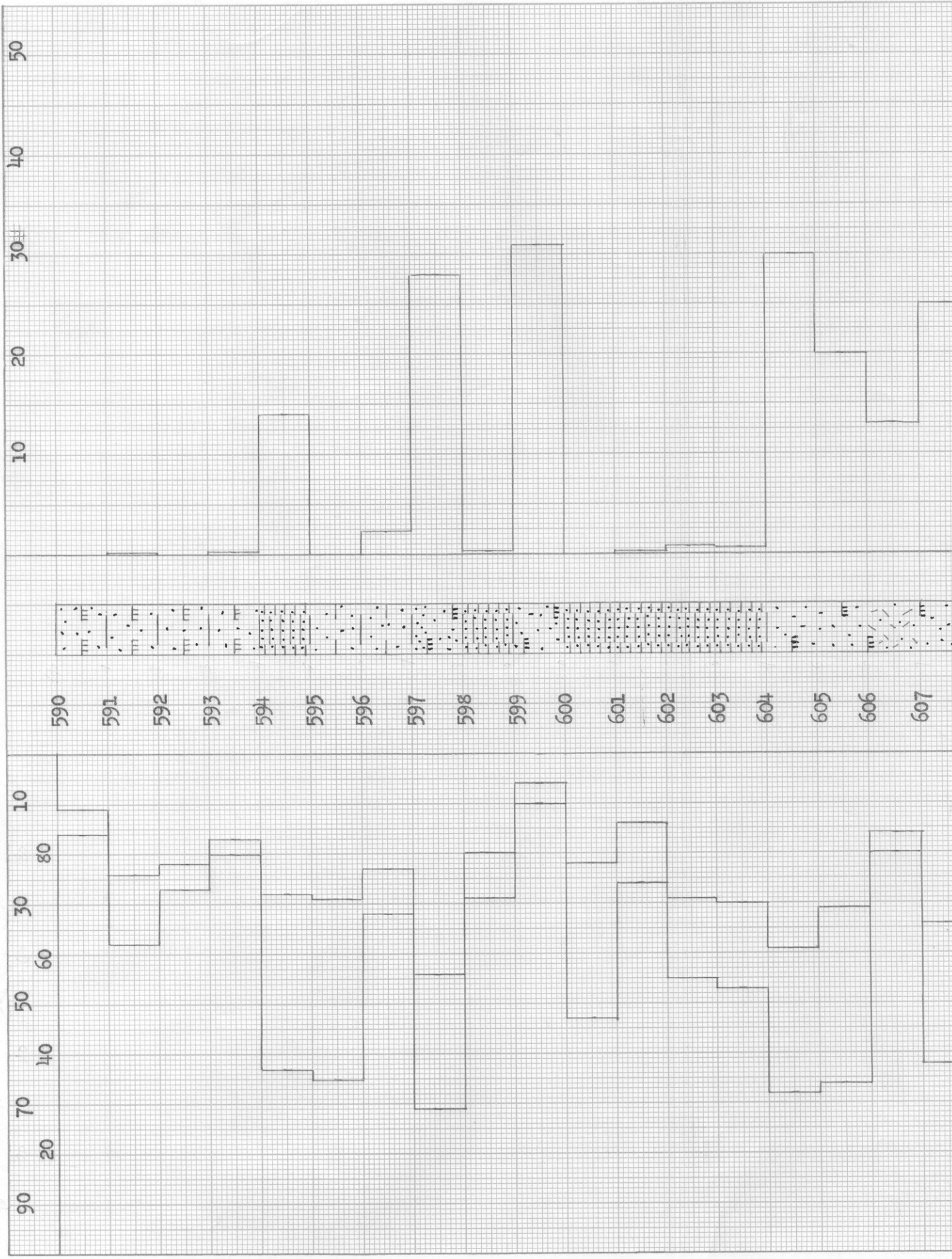
SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Lease	Well No.			
We-Kan Resources, Incorporated	Katzner	5			
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.	Average Oil Content Bbl./A. Ft.	
590.0 - 608.0	14.0	11.8	165.24		
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Porosity	Average Percent Oil Saturation	Average Percent Water Saturation	Total Oil Content Bbls./Acre
590.0 - 608.0	18.0	16.9	24.4	57.9	331
					5,966


WATER SAT., PERCENT \rightarrow OIL SAT., PERCENT \leftarrow

PERMEABILITY, IN MILLIDARCYS





606
607
608


KEY:

 SHALY SANDSTONE

 CALCAREOUS SHALY SANDSTONE

 LAMINATED SANDSTONE AND SHALE

 CALCAREOUS SANDSTONE

 CALCAREOUS CARBONACEOUS SANDSTONE

WE - KAN RESOURCES, INC.

KATZER LEASE

WELL NO. 5

ANDERSON COUNTY, KANSAS

DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE POROSITY PERCENT	AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT	AVERAGE PERMEABILITY, MILLIDARCS
590.0 - 606.0	18.0	16.9	24.4	57.9	11.8

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CHANUTE, KANSAS
MAY, 1980. HR