



OILFIELD RESEARCH LABORATORIES

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

February 4, 1980

Rumic Oil Company
R.R. #2
Neodesha, Kansas 66757

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the J.T. Lease, Well No. 6, Wilson County, Kansas, and submitted to our laboratory on January 13, 1980.

The core was sampled and sealed in plastic bags by a representative of the client.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES


Sanford A. Michel

SAM/kas
5 c to Neodesha, Kansas

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GENERAL INFORMATION & SUMMARY

Company Rumic Oil Company Lease J.T. Well No. 6

Location -

Section 20 Twp. 29S Rge. 16E County Wilson State Kansas

Elevation, Feet	-
Name of Sand	Peru
Top of Core	495.0
Bottom of Core	515.5
Top of Sand	495.0
Bottom of Sand	515.5
Total Feet of Permeable Sand	14.0

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 16	5.0	5.0
16 - 32	6.0	11.0
40 & Above	3.0	14.0

Average Permeability Millidarcys	23.2
Average Percent Porosity	16.7
Average Percent Oil Saturation	27.2
Average Percent Water Saturation	56.4
Average Oil Content, Bbls./A. Ft.	369.
Total Oil Content, Bbls./Acre	5,170.

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LOG

Name Runic Oil Company Lease J.T. Well No. 6

Depth Interval,
Feet

Description

495.0 - 504.0

Light brown slightly shaly sandstone.

504.0 - 515.5

Grayish, light brown shaly sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE I-B

Company Rumic Oil Company Lease J.T. 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	495.5	15.8	33	49	82	405	31.	1.0	1.0	405	31.00
2	496.5	15.4	45	53	98	538	19.	1.0	2.0	538	19.00
3	497.5	16.0	40	51	91	498	43.	1.0	3.0	498	43.00
4	498.5	16.3	36	47	83	455	21.	1.0	4.0	455	21.00
5	499.5	19.9	44	44	88	679	50.	1.0	5.0	679	50.00
6	500.5	17.8	30	63	93	415	25.	1.0	6.0	415	25.00
7	501.5	21.8	61	37	98	1032	27.	1.0	7.0	1032	27.00
8	502.5	18.5	10	64	74	144	21.	1.0	8.0	144	21.00
9	503.5	15.1	14	70	84	164	8.9	1.0	9.0	164	8.90
10	504.5	18.8	21	52	73	306	49.	1.0	10.0	306	49.00
11	505.5	13.9	27	51	78	291	8.2	1.0	11.0	291	8.20
12	506.5	14.6	9	68	77	102	4.6	1.0	12.0	102	4.60
13	508.5	12.6	1	79	80	10	2.1	1.0	13.0	10	2.10
14	510.5	16.9	10	61	71	131	15.	1.0	14.0	131	15.00

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company Bumic Oil Company Lease I. T. Well No. 6

Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
495.0 - 511.0	14.0	23.2	324.80

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
495.0 - 511.0	14.0	16.7	27.2	56.4	369	5,170