

TRIPLE-I ENERGY CORPORATION

CORE ANALYSIS REPORT

RIGNEY SOUTH LEASE

WELL NO. 22-W

MIAMI COUNTY, KANSAS

OILFIELD RESEARCH LABORATORIES

536 N. HIGHLAND

CHANUTE, KANSAS



OILFIELD RESEARCH LABORATORIES

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

July 29, 1983

Triple-I Energy Corporation
6600 College Boulevard
Suite 310
Overland Park, Kansas 66211

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Rigney South Lease, Well No. 22-W, located in Miami County, Kansas.

The core was sampled and sealed in plastic bags by a representative of Oilfield Research Laboratories and submitted to our laboratory on July 26, 1983.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/rmc

5 c to Overland Park, Kansas

Oilfield Research Laboratories
GENERAL INFORMATION & SUMMARY

Company Triple-I Energy Corporation Lease Rigney South Well No. 22-W
Location 1980' FNL & 990' FWL
Section 12 Twp. 17S Rge. 24E County Miami State Kansas

Elevation, Feet

Name of Sand.....

Wiser

Top of Core

455.0

Bottom of Core

472.0

Top of Sand

455.0

Bottom of Sand

471.6

Total Feet of Permeable Sand

15.8

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
7 - 20	3.7	3.7
39 - 60	4.2	7.9
60 - 90	4.9	12.8
118 - 122	2.0	14.8
169 - 171	1.0	15.8

Average Permeability Millidarcys

65.9

Average Percent Porosity

20.1

Average Percent Oil Saturation

42.8

Average Percent Water Saturation.....

47.5

Average Oil Content, Bbls./ A. Ft.

668.

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

10,559.

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LOGCompany Triple-I Energy Corporation Lease Rigney South Well No. 22-W

<u>Depth Interval, Feet</u>	<u>Description</u>
455.0 - 456.0	Brown very slightly calcareous sandstone with scattered gray shale partings.
456.0 - 457.0	Alternate layers gray shale and slightly calcareous brown sandstone.
457.0 - 457.5	Brown very slightly calcareous sandstone.
457.5 - 458.3	Alternate layers gray shale and brown sandstone.
458.3 - 471.6	Brown very slightly calcareous sandstone with scattered gray shale partings.
471.6 - 472.0	Gray shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Triple-I Energy Corporation Lease Rigney South Well No. 22-W

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	455.4	20.3	47	42	89	740	78.	1.0	1.0	740	78.00
2	456.5	16.3	34	63	97	430	7.8	1.0	2.0	430	7.80
3	457.4	20.4	26	54	80	411	56.	0.5	2.5	206	28.00
4	458.6	18.8	51	45	96	744	13.	0.7	3.2	521	9.10
5	459.5	20.5	39	43	82	620	39.	1.0	4.2	620	39.00
6	460.6	22.3	30	58	88	519	118.	1.0	5.2	519	118.00
7	461.4	24.6	39	41	80	744	60.	1.0	6.2	744	60.00
8	462.5	23.0	45	48	93	803	169.	1.0	7.2	803	169.00
9	463.5	20.5	46	49	95	732	58.	1.0	8.2	732	58.00
10	464.6	13.7	37	62	99	393	14.	1.0	9.2	393	14.00
11	465.6	18.3	48	51	99	682	58.	0.7	9.9	477	40.60
12	466.6	19.3	49	40	89	734	78.	1.0	10.9	734	78.00
13	467.6	20.7	45	53	98	723	121.	1.0	11.9	723	121.00
14	468.5	21.8	37	54	91	626	89.	0.9	12.8	563	80.10
15	469.5	20.9	52	31	83	843	78.	1.0	13.8	843	78.00
16	470.5	20.7	50	34	84	803	43.	1.0	14.8	803	43.00
17	471.4	19.0	48	43	91	708	19.	1.0	15.8	708	19.00

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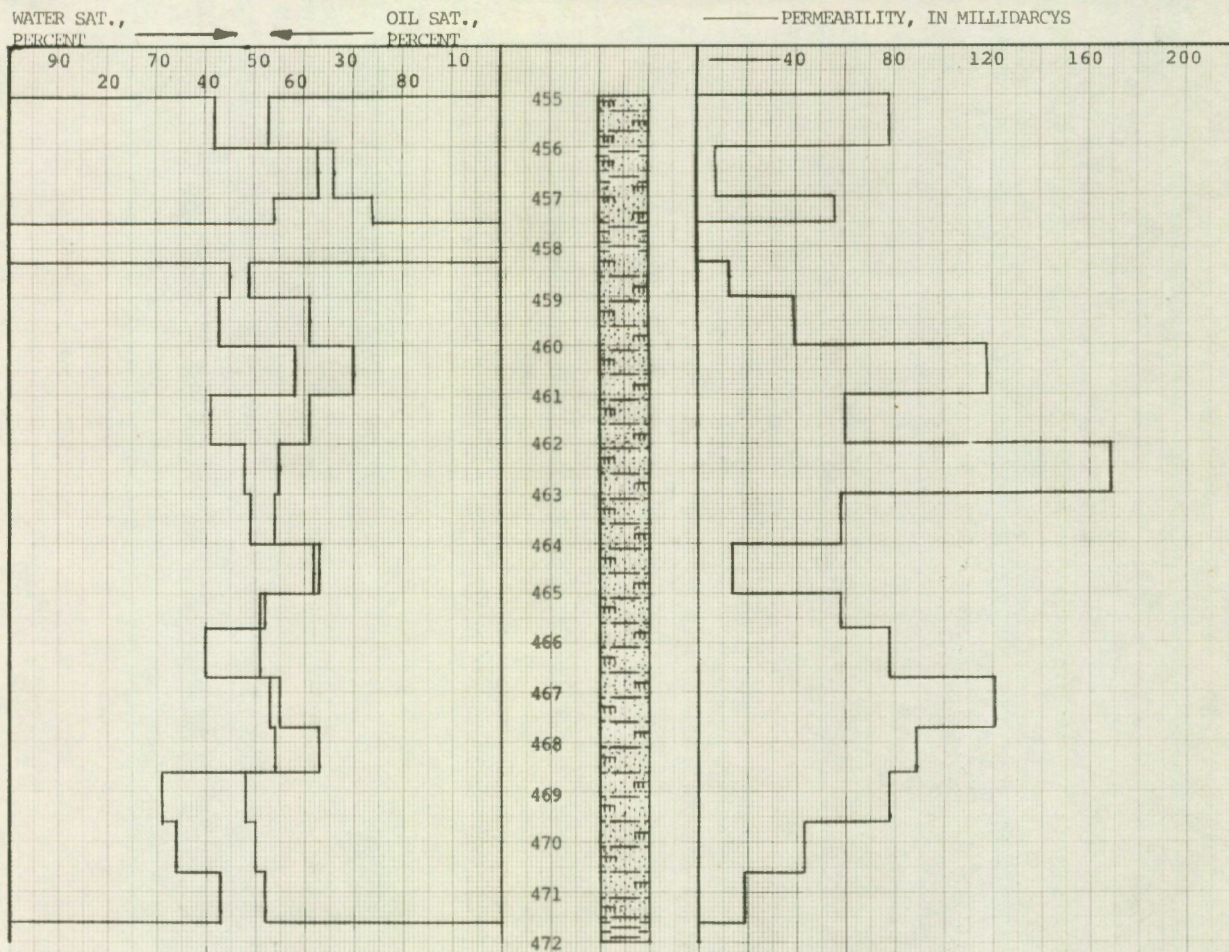
SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company Triple-I Energy Corporation Lease Rigney South Well No. 22-W

Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
455.0 - 471.6	15.8	65.9	1040.6

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
455.0 - 471.6	15.8	20.1	42.8	47.5	668	10,559



KEY:



CALCAREOUS SANDSTONE



SHALE



CALCAREOUS SANDSTONE WITH SHALE PARTINGS



ALTERNATE LAYERS OF SHALE AND CALCAREOUS SANDSTONE



ALTERNATE LAYERS OF SHALE AND SANDSTONE

TRIPLE I ENERGY CORPORATION

RIGNEY SOUTH LEASE

MIAMI COUNTY, KANSAS

WELL NO. 22-W

DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE PERCENT POROSITY	AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT	AVERAGE PERMEABILITY, MILLIDARCYs
455.0 - 471.6	15.8	20.1	42.8	47.5	65.9

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CHANUTE, KANSAS
JULY 1983 RAL