

OILFIELD RESEARCH LABORATORIES

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

August 30, 1980

KLI Petroleum Corporation
808 Southeast Sixth Street
Evansville, Indiana 47708

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Nelson Lease, Well No. K-48, Allen County, Kansas and submitted to our laboratory on July 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/ks

3 c to Evansville, Indiana

Oilfield Research Laboratories
GENERAL INFORMATION & SUMMARY

Company KLI Petroleum Corporation Lease Nelson Well No. K-48
 Location 21 Twp. 26S Rge. 21E County Allen State Kansas

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Elevation, Feet	Bartlesville
Name of Sand	646.0
Top of Core	663.0
Bottom of Core	646.0
Top of Sand	662.6
Bottom of Sand (Tested)	14.9
Total Feet of Permeable Sand	

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 10	11.1	11.1
10 - 25	0.6	11.7
30 & Above	3.2	14.9

Average Permeability Millidarcys	14.3
Average Percent Porosity	15.7
Average Percent Oil Saturation	33.3
Average Percent Water Saturation	30.5
Average Oil Content, Bbls./A. Ft.	405.
Total Oil Content, Bbls./Acre	6,726.

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LOGName KLI Petroleum Corporation Lease Nelson Well No. K-48

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
	<u>BARTLESVILLE SAND</u>
646.0 - 646.8	Light brown very shaly sandstone.
646.8 - 649.2	Light brown shaly sandstone.
649.2 - 650.0	Light brown very shaly sandstone.
650.0 - 650.5	Light brown slightly shaly sandstone.
650.5 - 651.9	Brown very shaly sandstone.
651.9 - 653.0	Brown shaly sandstone.
653.0 - 656.7	Brown very shaly sandstone.
656.7 - 657.8	Brown shaly sandstone.
657.8 - 662.6	Light brown sandstone.
662.6 - 663.0	Brown sandstone with coal streaks.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company KLI Petroleum Corporation Lease Nelson Well No. K-48

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	646.5	13.6	30	42	72	317	1.9	0.8	0.8	254	1.52
2	647.3	16.4	29	30	59	369	8.2	1.0	1.8	369	8.20
3	648.5	17.4	29	36	65	392	5.4	1.4	3.2	549	7.56
4	649.5	14.3	29	35	64	322	0.51	0.8	4.0	258	0.41
5	650.3	7.8	32	35	67	194	9.6	0.5	4.5	97	4.80
6	651.5	18.2	32	10	42	452	1.6	1.4	5.9	633	2.24
7	652.5	18.2	36	29	65	508	6.0	1.1	7.0	559	6.60
8	653.5	18.3	36	16	52	511	1.5	1.0	8.0	511	1.50
9	654.5	18.3	33	30	63	469	0.78	1.0	9.0	469	0.78
10	655.5	8.0	42	56	98	261	Imp.	1.0	10.0	261	0.00
11	656.5	11.0	29	56	85	248	Imp.	0.7	10.7	174	0.00
12	657.5	7.8	33	64	97	200	5.2	1.1	11.8	220	5.72
13	658.5	20.9	38	16	54	616	54.	1.2	13.0	739	64.80
14	659.6	15.7	39	12	51	475	52.	1.0	14.0	475	52.00
15	660.5	17.9	33	27	60	458	10.	1.0	15.0	458	10.00
16	661.5	18.8	33	19	52	481	33.	1.0	16.0	481	33.00
17	662.5	16.8	28	20	48	365	23.	0.6	16.6	219	13.80

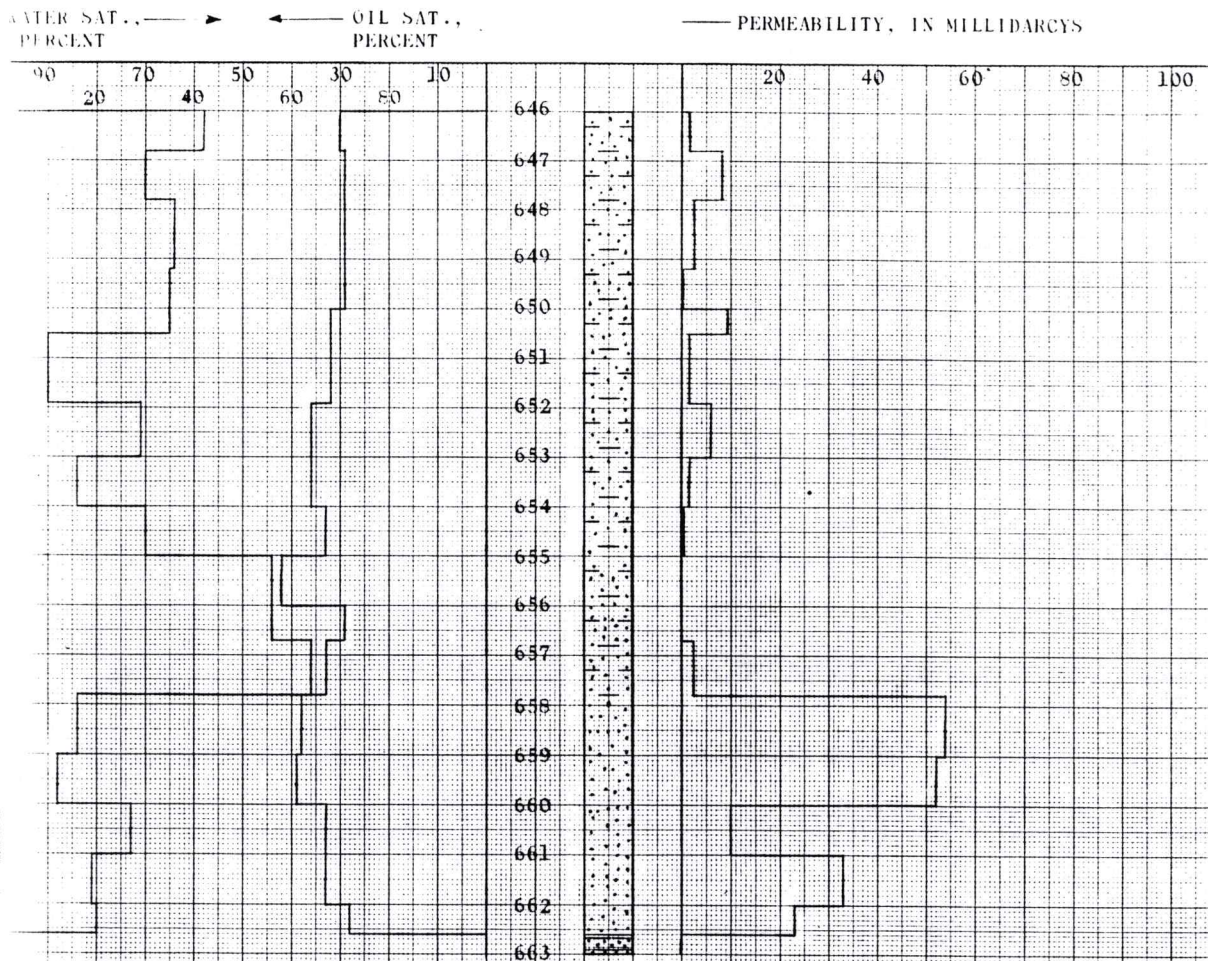
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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company KLI Petroleum Corporation Lease Nelson Well No. K-48

Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
646.0 - 657.8	10.1	3.9	39.33
657.8 - 662.6	4.8	36.2	173.60
646.0 - 662.6	14.9	14.3	212.93

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
646.0 - 657.8	11.8	14.7	32.6	35.3	369	4,354
657.8 - 662.6	4.8	18.3	34.9	18.6	494	2,372
646.0 - 662.6	16.6	15.7	33.3	30.5	405	6,726



KEY:



SHALY SANDSTONE



SANDSTONE



SANDSTONE with COAL STREAKS

KLI PETROLEUM CORPORATION

NELSON LEASE

WELL NO. K-48

ALLEN COUNTY, KANSAS

DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE POROSITY PERCENT	AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT	AVERAGE PERMEABILITY MILLIDARCYS
646.0 - 657.8	11.8	14.7	32.6	35.3	3.9
657.8 - 662.6	4.8	18.3	34.9	18.6	36.2
646.0 - 662.6	16.6	15.7	33.3	30.5	14.3

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CHANUTE, KANSAS
AUGUST, 1980