

OILFIELD RESEARCH LABORATORIES

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

January 25, 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-35, Allen County, Kansas, and submitted to our laboratory on December 24, 1979.

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/tem
5 c to Evansville, Indiana

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company KLI Petroleum Corporation Lease Nelson Well No. K-35

Location -

Section 21 Twp. 26S Rge. 21E County Allen State Kansas

Elevation, Feet	
Name of Sand	Bartlesville
Top of Core	628.0
Bottom of Core	692.0
Top of Sand	628.0
Bottom of Sand (Tested)	660.4
Total Feet of Permeable Sand	10.7

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 2	4.3	4.3
10 - 30	3.8	8.1
34 - 40	0.6	8.7
80 & Above	2.0	10.7

Average Permeability Millidarcys	28.0
Average Percent Porosity	17.0
Average Percent Oil Saturation	30.2
Average Percent Water Saturation	46.2
Average Oil Content, Bbls./A. Ft.	371.
Total Oil Content, Bbls./Acre	3,972.

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LOGName KLI Petroleum Corporation Lease Nelson Well No. K-35

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
628.0 - 628.8	Brown sandstone.
628.8 - 629.7	Grayish brown shaly sandstone.
629.7 - 632.7	Brown sandstone.
632.7 - 633.8	Brown shaly sandstone.
649.0 - 652.9	Gray sandy shale.
652.9 - 654.5	Brown sandstone.
654.5 - 657.1	Brown and gray laminated sandstone and shale.
657.1 - 658.1	Light brown sandstone.
658.1 - 659.7	Light brown shaly sandstone.
659.7 - 660.4	Gray carbonaceous shaly sandstone.
672.0 - 672.5	Gray shale.
672.5 - 673.5	Coal.
673.5 - 677.8	Gray shaly sandstone.
677.8 - 680.7	Light brown sandstone.
680.7 - 683.0	Brown slightly carbonaceous sandstone.
683.0 - 685.9	Gray carbonaceous sandstone.
685.9 - 692.0	Gray shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company KLI Petroleum Corporation Lease Nelson Well No. K-35

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	628.4	13.1	39	51	90	396	13.	0.8	0.8	317	10.40
2	629.5	4.0	47	49	96	146	0.76	0.9	1.7	131	0.68
3	630.5	20.3	20	62	82	315	82.	1.0	2.7	315	82.00
4	631.5	20.1	18	66	84	281	115.	1.0	3.7	281	115.00
5	632.5	19.5	26	26	52	393	26.	1.0	4.7	393	26.00
6	633.5	14.7	41	40	81	468	0.45	1.1	5.8	515	0.50
7	653.3	20.1	26	35	61	405	28.	1.0	6.8	405	28.00
8	654.3	13.7	24	60	84	255	36.	0.6	7.4	153	21.60
9	657.8	18.8	30	41	71	438	13.	1.0	8.4	438	13.00
10	658.8	20.6	26	39	65	416	1.1	1.6	10.0	666	1.76
11	660.3	16.1	41	53	94	512	0.45	0.7	10.7	358	0.32

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company KLI Petroleum Corporation Lease Nelson Well No. K-35

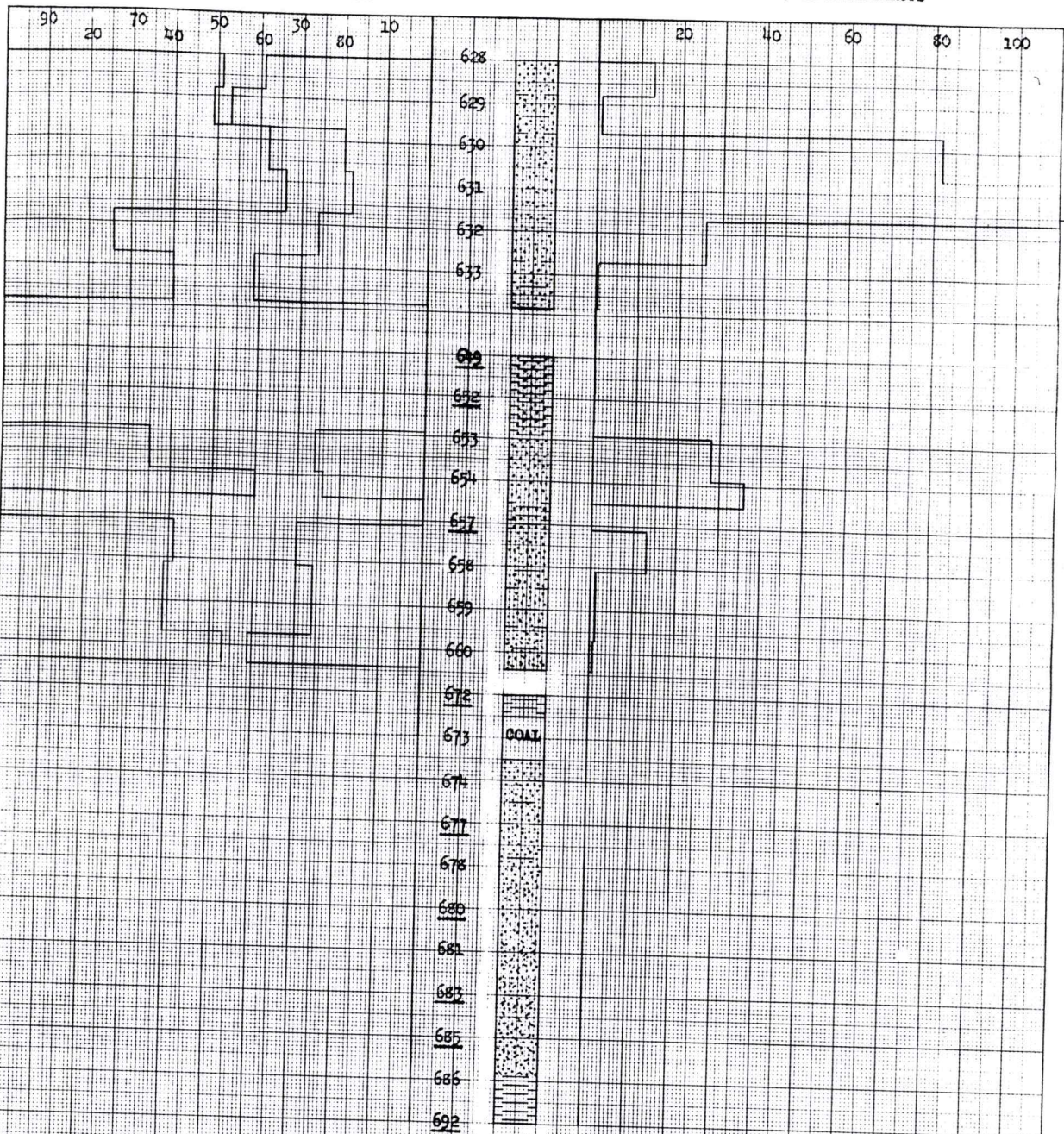
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
628.0 - 633.8	5.8	40.4	234.58
652.9 - 660.4	4.9	13.2	64.68
628.0 - 660.4	10.7	28.0	299.26

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
628.0 - 633.8	5.8	15.6	31.5	48.8	337	1,952
652.9 - 660.4	4.9	18.7	28.7	43.2	412	2,020
628.0 - 660.4	10.7	17.0	30.2	46.2	371	3,972









WATER SAT., PERCENT

OIL SAT., PERCENT

PERMEABILITY, IN MILLIDARCY



KEY:

-  SANDSTONE
-  CARBONACEOUS SANDSTONE
-  SHALY SANDSTONE
-  CARBONACEOUS SHALY SANDSTONE
-  SHALE
-  SANDY SHALE
-  LAMINATED SANDSTONE AND SHALE
-  COAL

KLI PETROLEUM CORPORATION

NELSON LEASE

ALLEN COUNTY, KANSAS

K - 35

DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE PERCENT POROSITY	AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT	AVERAGE PERMEABILITY, MILLIDARCY
628.0 - 633.8	5.8	15.6	51.5	48.8	40.4
652.3 - 660.4	4.9	18.7	28.7	43.2	13.2
628.0 - 660.4	10.7	17.0	30.2	46.2	28.0

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CHANDLER, KANSAS
JANUARY, 1960 MR