K-K DRILLING COMPANY

CORE ANALYSIS REPORT

CONVERSE LEASE WELL NO. CT-3

NEOSHO COUNTY, KANSAS

OILFIELD RESEARCH LABORATORIES
536 N. HIGHLAND CHANUTE, KANSAS

OILFIELD RESEARCH LABORATORIES
536 NORTH HIGHLAND - CHANUTE, KANSAS - PHONE HE1-2650

June 2, 1966

K-K Drilling Company
P.O. Box 556
Chanute, Kansas

Gentlemen:

Enclosed herewith are the results of tests run on the Rotary core taken from the Converse Lease, Well No. CT-3, Neosho County, Kansas, and submitted to our laboratory on May 26, 1966.

This core was sampled and the samples sealed in plastic bags by a representative of Oilfield Research Laboratories. The well was drilled in virgin territory.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Benjamin R. Pearman

Benjamin R. Pearman

BRP:rf

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Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company K-K Drilling Company Lease Converse Well No. CT-3

Location SE/4

Section 20 Twp. 28S Rge. 18E County Neosho State Kansas

Name of Sand	Bartlesville
Top of Core	793.0
Bottom of Core	846.0
Top of Sand	800.0
Bottom of Sand (Tested)	817.0
Total Feet of Permeable Sand	16.0
Total Feet of Floodable Sand	

Distribution of Permeable Sand:

Permeability Range Millidarcys	Feet	Cum. Ft.
2 - 10	5.0	5.0
10 - 20	7.0	12.0
20 - 50	2.6	14.6
50 & above	1.4	16.0

Average Permeability Millidarcys	19.7
Average Percent Porosity	18.2
Average Percent Oil Saturation	33.4
Average Percent Water Saturation	31.7
Average Oil Content, Bbls./A. Ft.	469.
Total Oil Content, Bbls./Acre	7,966.
Average Percent Oil Recovery by Laboratory Flooding Tests	
Average Oil Recovery by Laboratory Flooding Tests, Bbls./A. Ft.	
Total Oil Recovery by Laboratory Flooding Tests, Bbls./Acre	
Total Calculated Oil Recovery, Bbls./Acre	
Packer Setting, Feet	
Viscosity, Centipoises @	
A. P. I. Gravity, degrees @ 60 °F	
Elevation, Feet	

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Company K-K Drilling Company Lease Converse Well No. CT-3

Depth Interval, Feet	Description
793.0 - 800.0	Shale (Discarded at well).
800.0 - 802.0	Light brown, slightly shaly sandstone.
802.0 - 817.0	Brown to dark, laminated, shaly, slightly carbonaceous sandstone.
817.0 - 820.0	Laminated sandstone and shale.
820.0 - 846.0	Grayish brown to dark, slightly shaly, carbonaceous sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company K-K Drilling Company Lease Converse Well No. CT-3

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	800.1	20.8	25	31	56	403	35.	0.6	0.6	242	21.00
2	801.1	20.4	25	36	61	396	75.	1.4	2.0	554	105.00
3	802.1	20.7	34	25	59	546	19.	0.6	2.6	328	11.40
4	803.1	18.6	29	36	65	418	3.7	1.0	3.6	418	3.70
5	804.1	18.9	37	18	55	543	9.6	1.0	4.6	543	9.60
6	805.1	18.6	40	22	62	576	2.4	1.0	5.6	576	2.40
7	806.1	16.9	26	27	53	341	2.4	1.0	6.6	341	2.40
8	807.1	19.1	45	23	68	666	3.1	1.0	7.6	666	3.10
9	808.1	18.7	37	26	63	536	28.	1.0	8.6	536	28.00
10	809.1	16.6	31	40	71	399	12.	1.0	9.6	399	12.00
11	810.1	17.4	35	33	68	471	13.	1.0	10.6	471	13.00
12	811.1	17.6	30	31	61	409	17.	1.0	11.6	409	17.00
13	812.1	18.6	17	33	50	245	Imp.	1.0	12.6	245	0.00
14	813.1	13.3	36	48	84	361	16.	1.0	13.6	361	16.00
15	814.1	19.2	38	29	67	566	17.	1.0	14.6	566	17.00
16	815.1	18.8	46	35	81	671	31.	1.0	15.6	671	31.00
17	816.1	16.4	36	39	75	457	16.	1.4	17.0	640	22.40
								Total		7,966	

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company K-K Drilling Company Lease Converse Well No. CT-3

Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
800.0 - 807.6	7.6	20.8	158.60
807.6 - 817.0	8.4	18.6	156.40
800.0 - 817.0	16.0	19.7	315.00

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
800.0 - 807.6	7.6	19.2	32.6	27.6	483	3,668
807.6 - 817.0	9.4	17.4	34.2	35.0	457	4,298
800.0 - 817.0	17.0	18.2	33.4	31.7	469	7,966