OILFIELD RESEARCH LABORATORIES

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

October 29, 1980

Roger King
R R # 1
Cherryvale, Kansas 67335

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the King Lease, Well No. 3, located in Montgomery County, Kansas and submitted to our laboratory on September 24, 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

5 c to Cherryvale, Kansas

T32S, R17E, Sec. 4

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company Roger King Lease King Well No. 3

Location -

Section - Twp. - Rge. - County Montgomery State Kansas

Elevation, Feet	-
Name of Sand	Bartlesville
Top of Core	758.0
Bottom of Core	775.7
Top of Sand	758.0
Bottom of Sand	775.7
Total Feet of Permeable Sand	14.4

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 5	7.5	7.5
5 - 10	3.4	10.9
10 & Above	3.5	14.4

Average Permeability Millidarcys	6.4
Average Percent Porosity	17.0
Average Percent Oil Saturation	33.9
Average Percent Water Saturation	46.3
Average Oil Content, Bbls./A. Ft.	467.
Total Oil Content, Bbls./Acre	7,885.

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LOG

Name Roger King Lease King Well No. 3

Depth Interval, Feet	Description
758.0 - 759.3	Brown shaly sandstone.
759.3 - 760.1	Brown slightly shaly sandstone.
760.1 - 761.2	Brown sandstone.
761.2 - 762.7	Light brown shaly sandstone.
762.7 - 766.8	Brown shaly sandstone.
766.8 - 768.3	Brown and gray laminated sandstone and shale.
768.3 - 769.9	Brown shaly sandstone.
769.9 - 771.7	Brown sandstone.
771.7 - 772.1	Gray sandy shale.
772.1 - 772.6	Brown slightly shaly sandstone.
772.6 - 773.0	Gray sandy shale.
773.0 - 775.1	Brown shaly sandstone.
775.1 - 775.7	Brown sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Roger King Lease King Well No. 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	758.5	17.4	41	42	83	554	1.8	1.3	1.3	720	2.34
2	759.5	19.0	42	40	82	619	9.4	0.8	2.1	495	7.52
3	760.5	16.3	43	47	90	544	12.	1.1	3.2	598	13.20
4	761.5	15.4	36	50	86	430	Imp.	1.0	4.2	430	0.00
5	762.5	16.7	24	46	70	311	2.7	0.5	4.7	156	1.35
6	763.5	17.5	34	41	75	462	4.9	1.0	5.7	462	4.90
7	764.5	18.2	41	43	84	579	7.8	1.0	6.7	579	7.80
8	765.5	18.6	42	41	83	606	0.21	1.0	7.7	606	0.21
9	766.5	15.3	29	52	81	344	1.6	1.1	8.8	378	1.76
10	767.5	11.2	29	68	97	252	Imp.	1.5	10.3	378	0.00
11	768.5	17.6	25	56	81	341	1.9	0.6	10.9	205	1.14
12	769.5	19.0	35	42	77	516	1.5	1.0	11.9	516	1.50
13	770.5	20.2	35	40	75	549	10.	1.0	12.9	549	10.00
14	771.5	19.6	36	36	72	547	16.	0.8	13.7	438	12.80
15	772.5	18.3	39	37	76	554	9.6	0.5	14.2	277	4.80
16	773.5	16.3	20	51	71	253	3.9	1.0	15.2	253	3.90
17	774.5	16.0	40	46	86	497	5.6	1.1	16.3	547	6.16
18	775.5	19.4	33	37	70	497	21.	0.6	16.9	298	12.60

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

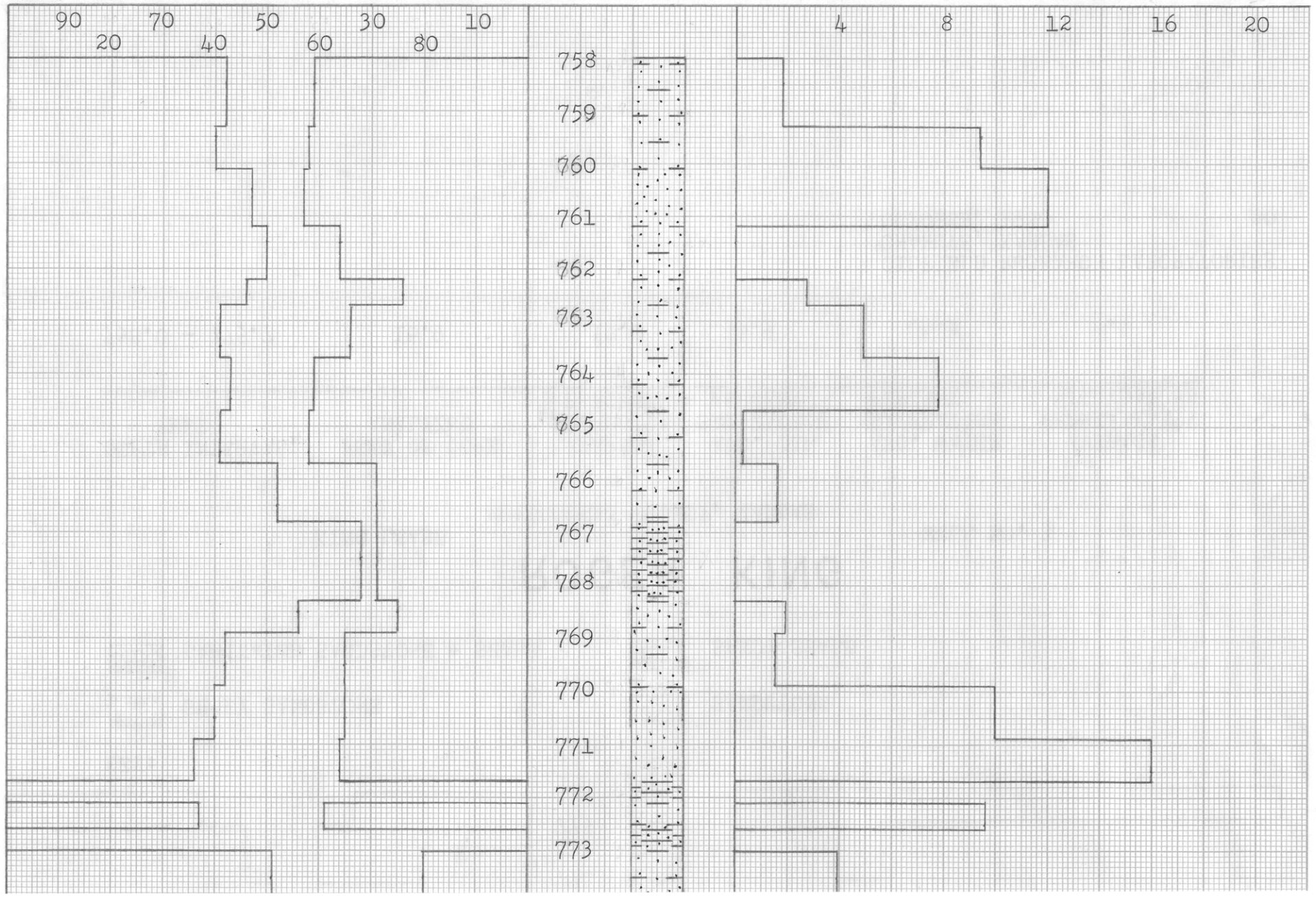
Company Roger King Lease King Well No. 3

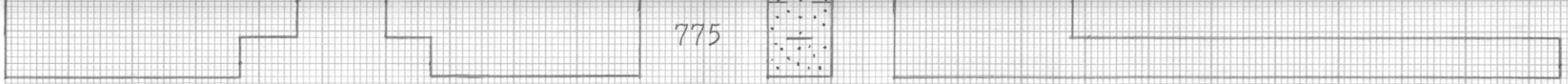
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
758.0 - 775.7	14.4	6.4	91.98

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
758.0 - 775.7	16.9	17.0	33.9	46.3	467	7,885

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KEY:

SHALY SANDSTONE

SANDSTONE

LAMINATED SANDSTONE & SHALE

SANDY SHALE

ROGER KING

KING LEASE WELL NO. 3

MONTGOMERY COUNTY, KANSAS

DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE POROSITY PERCENT	AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT	AVERAGE PERMEABILITY MILLIDARCYS
758.0 - 775.7	16.9	17.0	33.9	46.3	6.4

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CHANUTE, KANSAS
OCTOBER, 1980 SO