

OILFIELD RESEARCH LABORATORIES

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

February 24, 1981

L & L Oil Company
P. O. Box 3086
Wichita, Kansas 67201

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Adolph Lease, Well No. 3, located in Franklin County, Kansas.

The core was sampled by a representative of Oilfield Research Laboratories and was received in our laboratory on February 12, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/kas

5 c to Wichita, Kansas

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company L & L Oil Company Lease Adolph Well No. 3
 Location 450' FNL & 675' FWL - NW $\frac{1}{4}$
 Section 32 Twp. 15S Rge. 20E County Franklin State Kansas

Elevation, Feet	-
Name of Sand	Squirrel
Top of Core	727.0
Bottom of Core	746.0
Top of Sand	727.0
Bottom of Sand	746.0
Total Feet of Permeable Sand	17.0

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
1 - 10	7.0	7.0
10 - 30	3.3	10.3
30 - 50	4.0	14.3
90 & Above	2.7	17.0

Average Permeability Millidarcys	47.0
Average Percent Porosity	21.0
Average Percent Oil Saturation	39.6
Average Percent Water Saturation	40.0
Average Oil Content, Bbls./A. Ft.	640.
Total Oil Content, Bbls./Acre	11,516.

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LOGName L & L Oil Company Lease Adolph Well No. 3

<u>Depth Interval, Feet</u>	<u>Description</u>
727.0 - 730.8	Brown and gray laminated sandstone and shale.
730.8 - 734.7	Brown slightly calcareous sandstone.
734.7 - 738.7	Brown and gray laminated slightly calcareous sandstone and shale.
738.7 - 739.4	Dark brown slightly calcareous sandstone.
739.4 - 740.6	Brown and gray laminated slightly calcareous sandstone and shale.
740.6 - 746.0	Brown slightly calcareous sandstone.

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company L & L Oil Company Lease Adolph 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	727.5	19.9	38	36	74	587	4.5	1.0	1.0	587	4.50
2	728.5	20.9	40	34	74	649	6.3	1.0	2.0	649	6.30
3	729.4	18.9	53	38	91	777	7.2	1.0	3.0	777	7.20
4	730.4	18.0	57	40	97	796	6.9	0.8	3.8	637	5.52
5	731.5	21.8	35	35	70	592	17.	0.9	4.7	533	15.30
6	732.6	22.6	45	33	78	789	34.	1.0	5.7	789	34.00
7	733.3	21.7	38	38	76	640	34.	1.0	6.7	640	34.00
8	734.3	19.1	54	42	96	800	24.	1.0	7.7	800	24.00
9	735.4	15.4	47	44	91	562	6.6	1.0	8.7	562	6.60
10	736.4	22.0	30	39	69	512	4.0	1.0	9.7	512	4.00
11	737.3	15.8	24	72	96	294	Imp.	1.0	10.7	294	0.00
12	739.2	28.0	39	25	64	847	175.	0.7	11.4	593	122.50
13	740.5	17.7	34	53	87	467	1.7	1.2	12.6	560	2.04
14	741.4	21.0	48	40	88	782	22.	1.4	14.0	1095	30.80
15	742.5	23.9	33	41	74	612	127.	1.0	15.0	612	127.00
16	743.4	24.4	39	35	74	738	92.	1.0	16.0	738	92.00
17	744.4	24.4	29	35	64	549	32.	1.0	17.0	549	32.00
18	745.4	24.5	31	32	63	589	49.	1.0	18.0	589	49.00

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SUMMARY OF PERMEABILITY & SATURATION TESTS

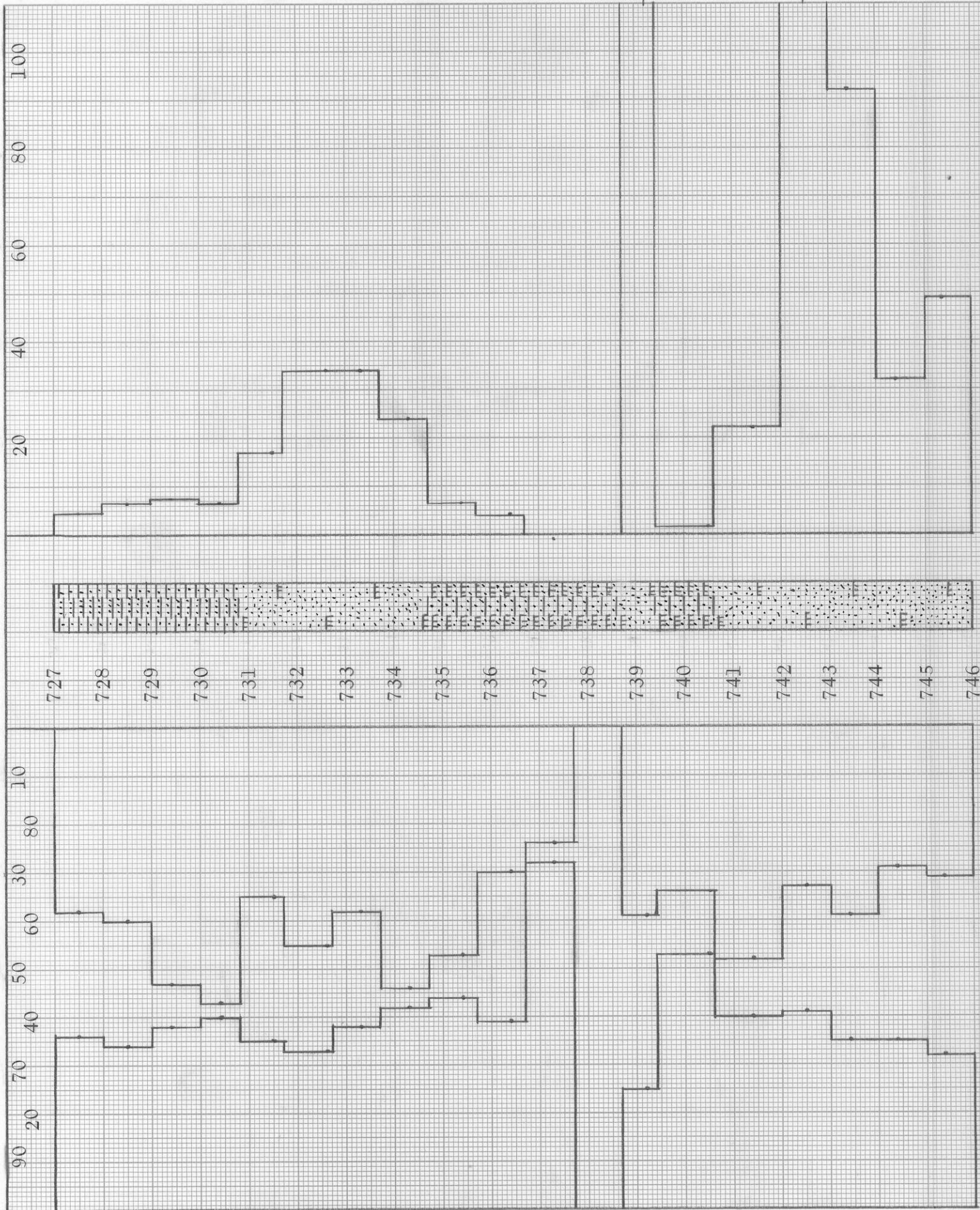
TABLE III

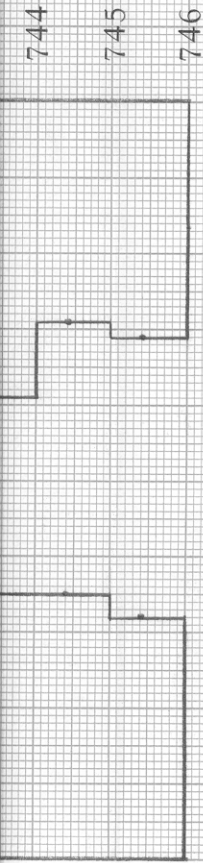
Company	L & L Oil Company		Lease	Adolph		Well No.	3
	Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.			
	727.0 - 746.0	17.0	47.0	798.72			
	Depth Interval, Feet	Feet of Core Analyzed	Average Percent Oil Saturation	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbls./Acre	
	727.0 - 746.0	18.0	21.0	39.6	40.0	640	11,516

WATER SAT.,
PERCENT

OIL SAT.,
PERCENT

PERMEABILITY, IN MILLIDARCYS





KEY:



CALCAREOUS SANDSTONE



LAMINATED SANDSTONE AND SHALE



LAMINATED CALCAREOUS SANDSTONE AND SHALE

L & L OIL COMPANY

ADOLPH LEASE

WELL NO. 3

FRANKLIN COUNTY, KANSAS

DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVG. OIL		AVG. WATER		AVERAGE	
		PERCENT	SATURATION PERCENT	PERCENT	SATURATION PERCENT	PERMEABILITY, MILLIDARCYS	

727.0 - 746.0

18.0

21.0

39.6

40.0

47.0

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CHANUTE, KANSAS
FEBRUARY, 1981

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