



OILFIELD RESEARCH LABORATORIES

536 NORTH HIGHLAND - CHANUTE, KANSAS - PHONE HE1-2650

700 NORTH MISSION - OKMULGEE, OKLAHOMA - PHONE SK6-4444

Chanute, Kansas

September 16, 1965

Mr. Alf Landon
National Bank of Topeka Building
Topeka, Kansas

Dear Sir:

Enclosed herewith are the results of tests run on the Rotary core taken from the Texas Johnson Lease, Well No. 27, Greenwood County, Kansas, and submitted to our laboratory on September 11, 1965.

This core was picked up at the well and sampled by a representative of Oilfield Research Laboratories.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Benjamin R. Pearman

BRP:rf

5 c.

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Company Alf Landon Lease Texas Johnson Well No. 27

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
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1385.0 - 1386.2 - Brown, slightly calcareous sandstone.

1386.2 - 1387.2 - Gray limestone.

1387.2 - 1396.3 - Brown, slightly calcareous sandstone.

1396.3 - 1396.6 - Black and brown, laminated sandstone and shale.

1396.6 - 1397.0 - Brown, slightly calcareous sandstone.

1397.0 - 1397.4 - Black and brown, laminated sandstone and shale.

1397.4 - 1399.8 - Brown calcareous sandstone.

1399.8 - 1400.0 - Black and brown, laminated sandstone and shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Alf Landon Lease Texas Johnson Well No. 27

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	1385.1	17.5	25	28	53	340	14.	0.6	0.6	204	8.40	
2	1386.1	15.7	29	35	64	354	14.	0.6	1.2	212	8.40	
3	1387.1	5.9	52	41	93	234	Imp.	1.0	2.2	234	0.00	
4	1388.1	15.8	41	31	72	503	21.	1.4	3.6	704	29.40	
5	1389.1	16.3	37	35	72	469	34.	1.0	4.6	469	34.00	
6	1390.1	19.5	35	29	64	530	28.	1.0	5.6	530	28.00	
7	1391.1	18.7	31	26	57	450	15.	1.0	6.6	450	15.00	
8	1392.1	20.2	29	26	55	455	17.	1.0	7.6	455	17.00	
9	1393.1	18.4	40	33	73	572	28.	1.0	8.6	572	28.00	
10	1394.1	20.0	38	26	64	591	18.	1.0	9.6	591	18.00	
11	1395.1	20.0	35	34	69	545	31.	1.0	10.6	545	31.00	
12	1396.1	18.1	31	31	62	436	17.	0.7	11.3	306	11.90	
13	1398.1	14.6	26	40	66	295	5.0	1.2	12.5	354	6.00	
14	1399.1	12.3	22	28	50	210	2.5	1.2	13.7	252	3.00	
								Total			5,878	

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Lease	Texas Johnson	Well No.		
Alf Landon			27		
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.		
1385.0 - 1399.8	12.7	18.8	283.10		
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
1385.0 - 1399.8	13.7	16.5	34.1	31.6	429
					5,878