



# OILFIELD RESEARCH LABORATORIES

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

September 9, 1967

Sanders-Thoureen, Inc.  
P.O. Box 260  
Lake Worth, Florida 33460

Gentlemen:

Enclosed herewith are the results of tests run on the Rotary core taken from the Inge Lease, Well No. W-92, Elk County, Kansas, and submitted to our laboratory on September 2, 1967.

This core was sampled and the samples sealed in plastic bags by a representative of Oilfield Research Laboratories.

It is recommended that the casing be set at 673.0 feet and the hole plugged back to 679.0 feet.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Carl L. Pate

CLP:rf

4 c. - Lake Worth, Florida  
2 c. - Bartlesville, Oklahoma



## OILFIELD RESEARCH LABORATORIES

-LOG-

Company Sanders-Thoureen, Inc. Lease Inge Well No. W-92

Depth Interval, Feet	Description
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667.0 - 668.4 - Sandy shale.

668.4 - 669.0 - Light brown, shaly sandstone.

669.0 - 672.2 - Brown, slightly laminated, shaly sandstone.

672.2 - 672.7 - Gray shaly sandstone.

672.7 - 677.3 - Brown, slightly laminated, shaly sandstone.

677.3 - 677.8 - Brown sandstone with shale streaks.

677.8 - 678.9 - Brown sandstone.

678.9 - 679.1 - Brown, conglomeratic, shaly sandstone.

679.1 - 681.0 - Brown sandstone.

681.0 - 681.6 - Brown, slightly calcareous sandstone.

681.6 - 682.0 - Brown, calcareous sandstone.

682.0 - 688.0 - Light brown, slightly calcareous sandstone.

688.0 - 690.0 - Shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Sanders-Thoureen, Inc. Lease Inge Well No. W-92

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			Ft.	Cum. Ft.		
1	670.5	22.8	15	54	265	15.	1.0	1.0	265	15.00
2	671.5	19.7	31	62	474	8.4	1.2	2.2	569	9.96
3	672.5	20.8	10	86	161	0.52	0.5	2.7	80	0.26
4	673.5	22.3	31	48	536	85.	1.3	4.0	697	110.50
5	674.5	19.6	29	66	441	26.	1.0	5.0	441	26.00
6	675.5	16.4	30	57	382	6.6	1.0	6.0	382	6.60
7	676.5	21.6	25	60	419	44.	1.3	7.3	545	57.20
8	677.5	22.6	26	49	456	70.	0.5	7.8	228	35.00
9	678.5	24.1	33	48	617	202.	1.1	8.9	679	222.20
10	679.5	22.7	40	46	704	195.	0.9	9.8	634	175.50
11	680.5	21.4	27	56	448	145.	1.0	10.8	448	145.00
12	681.5	16.0	27	59	335	24.	0.6	11.4	201	14.40
Total							-----		5,169	

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## SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Sanders-Thoureen, Inc.		Lease	Inge	Well No.	W-92
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
670.0 - 671.0	1.0	22.8	15.0	54.0	265	265
671.0 - 681.6	10.4	20.8	29.1	56.8	472	4,904
670.0 - 681.6	11.4	21.0	27.9	56.6	453	5,169