



# OILFIELD RESEARCH LABORATORIES

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

September 9, 1967

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

Gentlemen:

Enclosed herewith are the results of tests run on the Rotary core taken from the Inge Lease, Well No. W-93, Elk County, Kansas, and submitted to our laboratory on September 6, 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 689.0 feet and the hole plugged back to 697.0 feet.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

A handwritten signature in cursive script, appearing to read 'Carl L. Pate'.

Carl L. Pate

CLP:rf

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



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Company Sanders-Thoureen, Inc. Lease Inge Well No. W-93

Depth Interval, Description  
Feet

685.0 - 686.8 - Light brown, slightly shaly sandstone.

686.8 - 697.4 - Brown, slightly laminated, shaly sandstone.

697.4 - 698.0 - Brown, calcareous sandstone.

698.0 - 705.0 - Light brown, slightly calcareous sandstone.

705.0 - 705.5 - Shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Sanders-Thoureen, Inc.

Lease

Inge

Well No.

W-93

Sample No.	Depth, Feet	Effective Porosity Percent	Percent Saturation			Oil Content Bbbs. / A Ft.	Perm., Mill.	Feet of Sand		Total Oil Content	Perm. Capacity Ft. X md.
			Oil	Water	Total			Ft.	Cum. Ft.		
1	685.5	23.1	17	66	83	304	15.	1.0	1.0	304	15.00
2	686.5	22.0	18	58	76	307	11.	0.8	1.8	246	8.80
3	687.5	23.3	24	44	68	434	12.	1.2	3.0	521	14.40
4	688.5	18.9	31	49	80	454	19.	1.0	4.0	454	19.00
5	689.5	19.6	40	56	96	608	13.	1.0	5.0	608	13.00
6	690.5	22.6	39	44	83	683	7.2	1.0	6.0	683	7.20
7	691.5	19.6	22	66	88	334	1.9	1.0	7.0	334	1.90
8	692.5	19.1	25	50	75	370	20.	1.0	8.0	370	20.00
9	693.5	23.8	50	33	83	922	61.	1.0	9.0	922	61.00
10	694.5	22.6	41	38	79	718	62.	1.0	10.0	718	62.00
11	695.5	22.6	37	41	78	648	92.	1.0	11.0	648	92.00
12	696.5	21.8	34	36	70	575	34.	1.4	12.4	805	47.60
13	697.5	23.2	35	41	76	629	107.	0.6	13.0	377	64.20
14	698.5	24.5	27	48	75	513	125.	1.0	14.0	513	125.00
15	699.5	24.0	17	66	83	316	132.	1.0	15.0	316	132.00
16	700.5	24.8	13	71	84	250	88.	1.0	16.0	250	88.00
17	701.5	27.4	22	74	96	468	107.	1.0	17.0	468	107.00
18	702.5	27.7	11	87	98	236	231.	1.0	18.0	236	231.00
Total										8,773	

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## SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Lease	Inge	Well No.		
Sanders-Thoureen, Inc.			W-93		
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.		
685.0 - 688.0	3.0	12.7	38.20		
688.0 - 698.0	10.0	38.8	387.90		
698.0 - 703.0	5.0	136.6	683.00		
685.0 - 703.0	18.0	61.6	1,109.10		
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Porosity	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbls./Acre
685.0 - 688.0	3.0	22.9	20.1	357	1,071
688.0 - 698.0	10.0	21.3	35.3	592	5,919
698.0 - 703.0	5.0	25.7	18.0	357	1,783
685.0 - 703.0	18.0	22.8	28.0	487	8,773