



OILFIELD RESEARCH LABORATORIES

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

August 17, 1982

Town Oil Company
R. R. # 4
Paola, Kansas 66071

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Goetz Lease, Well No. 4, located in the East $\frac{1}{2}$ of the Northeast $\frac{1}{4}$ of Section 8, T-18S, R-22E, in Miami County Kansas.

The core was sampled and sealed in plastic by a representative of the client and was submitted to our laboratory on August 13, 1982.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel
by B.L.

Sanford A. Michel

SAM/rmc

5 c to Paola, Kansas

- REGISTERED ENGINEERS -

CORE ANALYSIS - WATER ANALYSIS - REPRESSURING ENGINEERING - SURVEYING & MAPPING - PROPERTY EVALUATION & OPERATION

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LOG

Company Town Oil Company Lease Goetz Well No. 4

<u>Depth Interval, Feet</u>	<u>Description</u>
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CATTLEMAN (BARTLESVILLE) SANDSTONE

582.0 - 583.0	Light brown sandstone.
583.0 - 596.6	Brown sandstone.
596.6 - 600.0	Brown sandstone with scattered gray shale and micaceous partings.
600.0 - 600.5	Gray and brown laminated shale and sandstone.
600.5 - 601.7	Gray shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Town Oil Company Lease Goetz Well No. 4

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	583.3	20.4	42	16	58	665	43.
2	584.5	23.0	43	17	60	767	169.
3	585.8	22.3	40	18	58	692	169.
4	587.3	20.6	45	18	63	719	90.
5	588.5	19.8	45	17	62	691	67.
6	589.5	24.9	43	14	57	831	273.
7	590.8	20.6	49	20	69	783	56.
8	591.4	20.1	46	20	66	717	52.
9	592.5	20.2	45	19	64	705	49.
10	593.8	20.5	47	18	65	748	99.
11	594.8	19.2	45	22	67	670	43.
12	595.4	21.1	43	18	61	704	84.
13	596.5	18.6	47	23	70	678	31.
14	597.8	21.6	38	23	61	637	87.
15	598.4	19.8	34	26	60	522	20.
16	599.5	16.9	38	32	70	498	10.
17	600.4	14.7	32	42	74	365	2.5