



OILFIELD RESEARCH LABORATORIES

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

July 14, 1981

ShoMor Gas & Oil Corporation
10600 Mastin
Overland Park, Kansas 66212

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Owens Lease, Well No. 15-A, located 1155' West of the East Line and 590' South of the North Line in the Northeast $\frac{1}{4}$ in Section 8, T-18S, R-22E, in Miami County, Kansas.

The core was sampled in the laboratory after being delivered by the client on July 10, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/kas

5 c to Overland Park, Kansas

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LOGName ShoMor Gas & Oil Corp. Lease Owens Well No. 15-A

<u>Depth Interval, Feet</u>	<u>Description</u>
	<u>CATTLEMAN SAND</u>
584.0 - 585.7	Brown calcareous sandstone.
585.7 - 586.7	Grayish light brown calcareous shaly sandstone.
586.7 - 589.0	Brown slightly calcareous slightly carbonaceous sandstone.
589.0 - 597.7	Gray and black laminated slightly carbonaceous shaly sandstone.
597.7 - 600.4	Grayish light brown shaly sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company ShoMor Gas & Oil Corp. Lease Owens Well No. 15-A

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbla. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	584.6	13.1	48	28	76	488	13.
2	585.6	9.2	44	38	82	314	11.
3	586.4	8.4	44	36	80	287	2.1
4	587.5	23.0	42	13	55	749	149.
5	588.6	21.2	41	24	65	674	89.
6	589.4	20.8	35	21	56	565	63.
7	590.5	20.4	37	18	55	586	52.
8	591.5	22.8	37	13	50	655	121.
9	592.4	17.1	37	21	58	491	28.
10	593.4	20.5	38	21	59	604	103.
11	594.5	16.9	41	31	72	538	25.
12	595.6	17.9	51	32	83	708	35.
13	596.5	21.3	57	30	87	942	49.
14	597.5	20.3	59	24	83	929	47.
15	598.5	12.0	47	29	76	438	0.43
16	599.6	9.3	32	31	63	231	0.29