

OILFIELD RESEARCH LABORATORIES

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

July 27, 1981

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

Gentlemen:

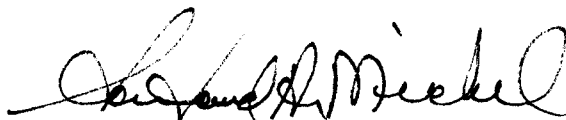
Attached hereto are the results of tests run on the rotary core taken from the Owens Lease, Well No. 18A, located 1153' West of the East Line and 260' South of the North Line in the Northeast $\frac{1}{4}$ in Section 8, T-18S, R-22E, in Miami County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and was submitted to our laboratory on July 22, 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. 18A

<u>Depth Interval, Feet</u>	<u>Description</u>
	<u>CATTLEMAN SAND</u>
588.0 - 589.1	Black slightly calcareous slightly carbonaceous sandstone.
589.1 - 591.9	Grayish brown slightly calcareous shaly sandstone.
591.9 - 596.0	Dark brown slightly calcareous slightly carbonaceous sandstone with fine shale partings.
596.0 - 596.8	Black slightly calcareous slightly carbonaceous sandstone.
596.8 - 598.0	Gray and black laminated slightly calcareous slightly carbonaceous shale and sandstone.
598.0 - 600.2	Gray and black alternate layers slightly carbonaceous shale and sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company ShoMor Gas & Oil Corp. - Lease Owens Well No. 18A

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	588.6	22.5	45	20	65	786	110.
2	589.4	17.6	13	46	59	178	*
3	590.6	12.9	21	76	97	210	2.5
4	591.6	10.7	44	50	94	365	.61
5	592.4	19.8	32	27	59	492	52.
6	593.6	17.9	52	32	84	722	35.
7	594.5	19.6	27	21	48	411	71.
8	595.6	22.3	43	25	68	744	158.
9	596.4	22.8	50	18	68	884	108.
10	597.6	19.4	49	27	76	738	21.
11	598.5	16.5	39	36	75	499	5.5
12	599.4	20.3	38	37	75	598	16.

NOTE: * No Permeability sample obtainable.