

# OILFIELD RESEARCH LABORATORIES

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

August 20, 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. 21-A, located 165' West of the East Line and 2475' North of the South Line of 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 August 17, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

*Sanford A. Michel*  
*by B.L.*  
Sanford A. Michel

SAM/kas

5 c to Overland Park, Kansas

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LOGName ShoMor Gas & Oil Corp. Lease Owens Well No. 21-A

<u>Depth Interval, Feet</u>	<u>Description</u>
567.0 - 569.3	Dark brown slightly carbonaceous sandstone.
569.3 - 571.0	Gray and dark brown alternate layers slightly carbonaceous shale and sandstone.
571.0 - 573.6	Gray and black laminated slightly carbonaceous shale and sandstone.
573.6 - 578.0	Dark brown slightly carbonaceous sandstone with shale partings.
578.0 - 581.0	Gray and dark brown laminated slightly carbonaceous shale and sandstone containing a vertical fracture.

**Oilfield Research Laboratories**

**RESULTS OF SATURATION & PERMEABILITY TESTS**

**TABLE 1**

Company ShoMor Gas & Oil Corp. - Lease Owens Well No. 21-A

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	567.4	20.8	34	32	66	549	97.
2	568.5	19.0	49	37	86	722	58.
3	569.6	18.3	32	23	55	454	14.
4	570.5	19.6	33	32	65	502	20.
5	571.4	13.2	47	50	97	481	5.1
6	572.4	20.3	56	35	91	882	17.
7	573.4	21.7	59	29	88	993	33.
8	574.4	18.9	60	31	91	880	5.5
9	575.5	20.6	60	28	88	959	3.7
10	576.4	20.3	46	29	75	724	6.0
11	577.5	18.6	40	32	72	577	3.3
12	578.5	14.0	41	48	89	445	2.3
13	579.3	13.5	24	71	95	251	Imp.