

OILFIELD RESEARCH LABORATORIES

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

February 26, 1981

Shomor Gas & Oil Corporation
3rd & Hwy 59
Garnett, Kansas 66032

Gentlemen:

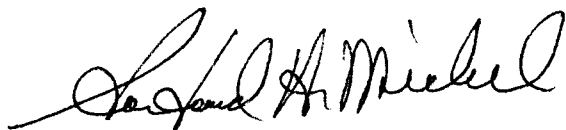
Enclosed herewith are the results of tests run on the rotary core taken from the Jagels Lease, Well No. 3, located in Crawford County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and was submitted to our laboratory on February 19, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

A handwritten signature in cursive script, appearing to read "Sanford A. Michel".

Sanford A. Michel

SAM/kas

5 c to Garnett, Kansas

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GENERAL INFORMATION & SUMMARY

Company Shomor Gas & Oil Corp. Lease Jagels Well No. 3
 Location _____
 Section 6 Twp. 28S Rge. 23E County Crawford State Kansas

Elevation, Feet	-
Name of Sand	-
Top of Core	24.0
Bottom of Core	41.0
Top of Sand	24.0
Bottom of Sand (Tested)	39.9
Total Feet of Permeable Sand	14.2

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

30 - 100

5.5

5.5

100 - 150

7.2

12.7

160 & Above

1.5

14.2

Average Permeability Millidarcys	107.2
Average Percent Porosity	21.3
Average Percent Oil Saturation	17.6
Average Percent Water Saturation	56.9
Average Oil Content, Bbls./A. Ft.	293.
Total Oil Content, Bbls./Acre	4,362.

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LOG

Name Shomor Gas & Oil Corp. Lease Jagels Well No. 3

<u>Depth Interval, Feet</u>	<u>Description</u>
24.0 - 35.2	Grayish light brown slightly calcareous sandstone.
35.2 - 35.9	Hard gray very calcareous sandstone.
35.9 - 41.0	Grayish light brown slightly calcareous sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Shomor Gas & Oil Corp. Lease Jagels Well No. 3

Sample No.	Depth, Feet	Effective Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.	Feet of Sand		Total Oil Content	Perm. Capacity Ft. X md.
			Oil	Water	Total			Ft.	Cum. Ft.		
1	24.6	23.5	11	57	68	201	123.	1.5	1.5	302	184.50
2	26.5	24.7	26	39	65	498	169.	1.5	3.0	747	253.50
3	27.4	22.0	27	54	81	461	105.	1.0	4.0	461	105.00
4	28.7	18.8	13	76	89	190	92.	1.5	5.5	285	138.00
5	30.6	20.6	25	56	81	400	121.	1.5	7.0	600	181.50
6	32.3	19.0	20	59	79	295	84.	1.0	8.0	295	84.00
7	33.4	19.5	16	61	77	242	87.	1.0	9.0	242	87.00
8	34.9	18.4	22	51	73	314	123.	1.2	10.2	377	147.60
9	35.5	20.7	19	46	65	305	Imp.	0.7	10.9	214	0.00
10	36.5	22.0	14	57	71	239	108.	1.0	11.9	239	108.00
11	37.6	23.2	9	63	72	162	58.	1.0	12.9	162	58.00
12	38.4	24.2	16	52	68	300	145.	1.0	13.9	300	145.00
13	39.8	22.3	8	66	74	138	30.	1.0	14.9	138	30.00

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company		Shomor Gas & Oil Corp.		Lease	Jagels	Well No.		3
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Porosity	Average Percent Oil Saturation	Average Percent Water Saturation	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.		
24.0 - 39.9	14.2				107.2	1,522.10		
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Porosity	Average Percent Oil Saturation	Average Percent Water Saturation	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.		
24.0 - 39.9	14.9	21.3	17.6	56.9	293	4,362		

—PERMEABILITY, IN MILLIDARCYS



KEY:



CALCAREOUS SANDSTONE

SHOMOR GAS & OIL CORP.

JAGELS LEASE

CRAWFORD COUNTY, KANSAS

WELL NO. 3

DEPTH INTERVAL,
FEET

AVERAGE
PERCENT
POROSITY

AVG. OIL
SATURATION
PERCENT

AVG. WATER
SATURATION
PERCENT

AVERAGE
PERMEABILITY,
MILLIDARCS

24.0 - 39.9

14.9

21.3

17.6

56.9

107.2

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CHANUTE, KANSAS
FEBRUARY, 1981

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