



OILFIELD RESEARCH LABORATORIES

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

August 3, 1982

Mar-Jon Drilling, Inc.
115 West Main Street
Cherryvale, Kansas 67335

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Simmons Lease, Well No. 1, located 520' from the South Line and 645' from the West Line in Section 30, T-32S, R-14E, in Montgomery 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 30, 1982.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/rmc

5 c to Cherryvale, Kansas

- REGISTERED ENGINEERS -

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

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LOGName Mar-Jon Drilling, Inc. Lease Simmons Well No. 1

<u>Depth Interval, Feet</u>	<u>Description</u>
	<u>WISER SAND</u>
802.0 - 804.5	Gray very shaly sandstone.
804.5 - 805.0	Grayish brown very shaly sandstone.
805.0 - 805.6	Alternate layers gray shale and brown sandstone.
805.6 - 808.0	Brown shaly sandstone.
808.0 - 809.0	Grayish brown very shaly sandstone.
809.0 - 810.0	Brown sandstone.
810.0 - 811.3	Grayish brown shaly sandstone.
811.3 - 812.4	Brown shaly sandstone.
812.4 - 813.7	Gray very shaly sandstone.
813.7 - 815.0	Light brown shaly sandstone.
815.0 - 817.0	Gray very shaly sandstone.
817.0 - 818.0	Grayish brown shaly sandstone.
818.0 - 819.0	Gray very shaly sandstone.
819.0 - 821.0	Grayish brown shaly sandstone.
821.0 - 822.1	Brown sandstone.
822.1 - 824.8	Brownish gray shaly sandstone.
824.8 - 831.0	No core.
831.0 - 838.0	Gray very shaly sandstone.
838.0 - 840.6	Gray shale.

Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Mar-Jon Drilling, Inc. Lease Simmons Well No. 1

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	802.5	16.1	9	69	78	112	0.87
2	803.4	12.1	6	85	91	56	Imp.
3	804.6	16.5	17	67	84	218	0.68
4	805.7	18.1	15	53	68	211	3.5
5	806.5	16.5	22	50	72	282	1.3
6	807.5	14.4	30	49	79	335	1.4
7	808.6	11.9	20	65	85	185	0.40
8	809.6	21.4	23	36	59	382	52.
9	810.4	12.5	6	57	63	58	0.30
10	811.5	18.2	15	44	59	212	2.6
11	812.2	16.4	13	44	57	165	1.4
12	813.6	16.3	6	57	63	76	0.47
13	814.6	15.7	4	63	67	49	3.2
14	815.6	16.7	1	60	61	13	0.42
15	816.6	15.3	11	73	84	131	0.87
16	817.5	18.5	12	60	72	172	2.4
17	818.6	16.3	2	76	78	25	0.31
18	819.4	15.8	12	54	66	147	3.3
19	820.4	14.7	19	56	75	217	1.3
20	821.6	20.9	24	42	66	389	27.
21	822.7	17.7	7	56	63	96	2.8
22	823.4	18.3	13	57	70	185	1.6
23	824.6	16.5	4	67	71	51	2.0
24	831.4	10.9	2	71	73	17	Imp.
25	833.6	13.4	8	84	92	83	Imp.
26	835.7	13.9	8	71	79	86	Imp.
27	837.5	10.3	2	89	91	16	Imp.