



# OILFIELD RESEARCH LABORATORIES

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

July 16, 1981

Magnum Oil Company  
R R # 2, Box 139A  
Neodesha, Kansas 66757

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Merrill Frankenberg Lease, Well No. 2, located in Section 29, T-25S, R-16E, in Wilson 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 15, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

  
Sanford A. Michel

SAM/kas

5 c to Neodesha, Kansas

- REGISTERED ENGINEERS -

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

## OILFIELD RESEARCH LABORATORIES

LOGName Magnum Oil Company Lease Merrill Frankenberry Well No. 2

<u>Depth Interval, Feet</u>	<u>Description</u>
	<u>BARTLESVILLE SAND</u>
867.0 - 882.1	Grayish light brown shaly sandstone.
882.1 - 895.0	Brown sandstone.
895.0 - 904.0	Grayish light brown sandstone.
904.0 - 905.7	Grayish light brown shaly sandstone.
905.7 - 907.6	Grayish light brown sandstone.

**Oilfield Research Laboratories**

**RESULTS OF SATURATION & PERMEABILITY TESTS**

**TABLE 1**

Company Magnum Oil Company Lease Merrill Frankenberg Well No. 2

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbla. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	867.4	9.5	20	77	97	147	Imp.
2	868.4	10.4	26	70	96	210	Imp.
3	869.7	14.6	21	67	88	238	Imp.
4	870.6	16.5	21	55	76	269	Imp.
5	871.5	15.6	36	35	71	436	Imp.
6	872.6	15.8	20	56	76	245	Imp.
7	873.5	14.6	28	50	78	317	Imp.
8	874.4	15.2	33	48	81	389	Imp.
9	875.3	16.4	16	50	66	203	1.1
10	876.6	14.9	27	50	77	312	Imp.
11	877.4	13.3	20	57	77	206	Imp.
12	878.5	16.8	24	49	73	313	1.6
13	879.6	16.9	24	43	67	315	8.2
14	880.5	14.8	29	52	81	333	Imp.
15	881.5	17.6	36	41	77	492	5.8
16	882.5	18.4	29	43	72	414	9.2
17	883.3	19.0	37	39	76	545	9.4
18	884.5	14.4	35	43	78	391	10.
19	885.4	13.9	28	23	51	302	12.
20	886.6	16.2	58	24	82	729	26.
21	887.4	16.7	34	40	74	441	23.
22	888.4	17.9	28	37	65	389	38.
23	889.5	18.4	27	33	60	385	52.
24	890.4	17.9	26	40	66	361	58.
25	891.6	19.4	36	41	77	542	36.
26	892.6	17.7	20	49	69	275	26.
27	893.6	17.4	16	47	63	216	37.
28	894.5	18.9	17	55	72	249	62.
29	895.4	21.6	30	56	86	503	141.
30	896.5	16.6	21	52	73	270	26.
31	897.4	19.2	12	75	87	179	42.
32	898.6	18.6	34	49	83	491	47.
33	899.4	17.2	25	60	85	334	12.
34	900.5	19.7	18	71	89	275	31.
35	901.6	17.2	30	54	84	400	12.
36	902.6	19.2	19	74	93	283	26.
37	903.4	19.1	22	62	84	326	42.
38	904.4	16.7	22	69	91	285	3.2
39	905.6	14.6	8	86	94	91	1.0
40	906.5	18.7	6	87	93	87	43.
41	907.3	19.0	3	83	86	44	56.