



OILFIELD RESEARCH LABORATORIES

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

December 3, 1980

Alco & Mentzer
R. R. 3
Iola, Kansas 66743

Gentlemen:

Attached hereto are the results of tests run on the rotary cores taken from the Mentzer Lease, Well No. 3, located in the Northwest $\frac{1}{4}$, 165' South of the North Line and 165' West of the East Line, in Section 32, T-23S, R-18E, Allen County, Kansas and submitted to our laboratory on December 2, 1980.

The cores were sampled by a representative of the client and were bagged in plastic after being received in the laboratory.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/mkf

5 c to Iola, Kansas

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LOGName Alco & Mentzer Lease Mentzer Well No. 3

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
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CATTLEMAN SAND

850.0 - 850.9	Brown and gray laminated sandstone and shale.
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850.9 - 852.1	Gray sandy shale.
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852.1 - 862.9	Brown and gray laminated sandstone and shale.
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862.9 - 864.0	Gray sandy shale.
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UPPER BARTLESVILLE SAND

893.0 - 904.2	Brown and gray laminated sandstone.
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904.2 - 905.0	Gray sandy shale.
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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Alco & Mentzer Lease Mentzer Well No. 3

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
<u>CATTLEMAN SAND</u>							
1	850.5	16.5	29	43	72	371	1.0
2	852.4	16.0	53	45	98	658	7.2
3	853.5	15.7	38	41	79	463	6.9
4	854.5	14.7	41	43	84	468	8.0
5	855.5	14.8	68	29	97	781	2.2
6	856.5	14.4	58	24	82	648	2.1
7	857.7	13.6	43	44	87	454	1.9
8	858.5	15.2	69	30	99	814	4.3
9	859.5	17.6	52	23	75	710	4.3
10	860.5	18.8	53	21	74	773	36.
11	861.6	14.0	47	50	97	511	1.6
12	862.5	16.9	32	37	69	420	6.8
<u>UPPER BARTLESVILLE SAND</u>							
13	893.5	18.8	50	25	75	729	25.
14	894.5	17.2	46	31	77	614	23.
15	895.5	13.4	54	44	98	561	49.
16	896.6	12.9	44	50	94	440	Imp.
17	897.5	10.9	24	61	85	203	0.30
18	898.5	11.4	31	62	93	274	6.0
19	899.5	16.2	43	35	78	540	1.6
20	900.5	16.1	44	37	81	550	9.9
21	901.5	14.3	50	40	90	555	22.
22	902.5	16.2	49	32	81	616	8.2
23	903.4	14.4	46	41	87	514	26.