



# OILFIELD RESEARCH LABORATORIES

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

September 8, 1981

Cherokee Resources  
110 North State  
Iola, Kansas 66749

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Middendorf Lease, Well No. 3, located in Section 34, T-23S, R-20E, in Allen County, Kansas and submitted to our laboratory on September 3, 1981.

The core was sampled and sealed in plastic bags by a representative of the client. This core was out of the hole 1 hour and 15 minutes before being sampled.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/mkf

4 c to Iola, Ks.  
1 c to F & R Drilling, Iola, Ks.

- REGISTERED ENGINEERS -

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

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LOG

Name Cherokee Resources Lease Middendorf Well No. 3

Depth Interval,  
Feet

Description

BARTLESVILLE SAND

815.0 - 819.0

Black slightly carbonaceous sandstone with fine shale partings.

# Oilfield Research Laboratories

## RESULTS OF SATURATION & PERMEABILITY TESTS

### TABLE 1

Company Cherokee Resources Lease Middendorf Well No. 3

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	815.4	19.1	59	14	73	874	96.
2	816.6	16.0	66	30	96	819	53.
3	817.6	20.3	57	16	73	898	15.
4	818.6	19.0	57	18	75	840	17.