

OILFIELD RESEARCH LABORATORIES

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

April 6, 1982

Arco Energies, Inc.
P. O. Box 100
Humboldt, Kansas 66748

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Carl Dee Autry Lease, Well No. 2, located 300' East of the West Line and 150' South of the North Line of the Northeast $\frac{1}{4}$ in Section 4, T-26S, R-18E, in Allen County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and was submitted to our laboratory on April 3, 1982.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel
by B.L.
Sanford A. Michel

SAM/kas

5 c to Humboldt, Kansas

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Name Arco Energies, Inc. Lease Carl Dee Autry Well No. 2

<u>Depth Interval, Feet</u>	<u>Description</u>
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UPPER BARTLESVILLE SAND

815.0 - 815.3	Gray shale.
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815.3 - 815.6	Grayish brown conglomeratic shaly sandstone.
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815.6 - 818.0	Brown sandstone.
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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Arco Energies, Inc. Lease Carl Dee Autry Well No. 2

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	815.7	20.0	45	29	74	698	77.
2	816.2	15.4	42	26	68	502	26.
3	817.5	16.0	40	41	81	497	18.