



OILFIELD RESEARCH LABORATORIES

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

April 14, 1980

Exploration Services, Inc.
7 East Bijou Suite 201
Colorado Springs, Colorado 80903

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Powell Lease, Well No. A-3, located in the Southeast $\frac{1}{4}$, Section 23, T-31S, R-16E, Montgomery County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and submitted to our laboratory on March 29, 1980.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES


Sanford A. Michel

SAM/tem

5 c to Colorado Springs, Colorado

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LOGName Exploration Services, Inc. Lease Powell Well No. A-3Depth Interval,
FeetDescriptionCATTLEMAN SAND

849.0 - 849.7	Brown shaly sandstone.
849.7 - 855.0	Gray sandy shale.
855.0 - 862.0	Core Not Received
862.0 - 863.8	Gray sandy shale.
863.8 - 864.1	Coal.
864.1 - 868.0	Grayish brown very shaly sandstone.
868.0 - 870.2	Brown and gray laminated sandstone and shale.
870.2 - 871.0	Gray shaly sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Exploration Services, Inc. Lease Powell Well No. A-3

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	849.4	7.3	34	60	94	192	Imp.
2	864.7	12.9	27	38	65	270	0.69
3	865.5	13.9	48	24	72	518	0.24
4	866.8	13.7	46	25	71	489	0.76
5	867.9	8.9	26	70	96	180	Imp.
6	868.2	10.5	16	64	80	130	Imp.
7	869.5	12.3	37	44	81	353	Imp.
8	870.5	12.1	16	60	76	150	0.39