



OILFIELD RESEARCH LABORATORIES

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

December 22, 1981

Blackhawk Oil Company, Inc.
15 North Highland
Chanute, Kansas 66720

Gentlemen:

Attached hereto are the results of tests run on the rotary cores taken from the Campbell Lease, Well No. 14, located in Section 36, T-27S, R-16E, in Wilson County, Kansas.

The cores were sampled and sealed in plastic bags by a representative of the client and submitted to our laboratory on December 21, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES



Sanford A. Michel

SAM/mkf

5 c to Chanute, Ks.

- REGISTERED ENGINEERS -

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

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LOGName Blackhawk Oil Co., Inc. Lease Campbell Well No. 14

<u>Depth Interval, Feet</u>	<u>Description</u>
	SQUIRREL SAND
855.0 - 858.0	Grayish light brown slightly calcareous shaly sandstone.
858.0 - 862.4	Grayish brown shaly sandstone.
	BARTLESVILLE SAND
997.0 - 999.0	Grayish brown shaly sandstone.
999.0 - 1000.4	Brown sandstone.
1000.4 - 1001.0	Grayish brown shaly sandstone.
1001.0 - 1005.2	Gray shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Blackhawk Oil Co., Inc. Lease Campbell Well No. 14

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbla. / A Ft.	Perm., Mill.
			Oil	Water	Total		
			SQUIRREL SAND				
1	855.5	10.3	45	20	65	360	0.60
2	856.5	12.0	31	28	59	289	2.2
3	857.5	13.7	64	24	88	680	4.3
4	858.5	14.2	42	39	81	463	2.5
5	859.5	15.2	41	40	81	484	0.34
6	860.5	15.1	43	36	79	504	5.2
7	861.5	15.4	53	35	88	633	2.3
			BARTLESVILLE SAND				
8	997.5	15.1	49	37	86	574	1.6
9	998.5	13.6	29	52	81	306	2.0
10	999.5	15.2	51	27	78	601	13.
11	1000.4	15.2	42	28	70	495	1.5