



OILFIELD RESEARCH LABORATORIES

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

November 2, 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. 17, 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 October 29, 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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LOG

Name Blackhawk Oil Co., Inc. Lease Campbell Well No. 17

Depth Interval, <u>Feet</u>	<u>Description</u>
	SQUIRREL SAND
854.0 - 857.6	Grayish brown shaly sandstone.
857.6 - 859.4	Gray shale.
	BARTLESVILLE SAND
985.0 - 988.4	Grayish brown shaly sandstone with some micaceous partings.
988.4 - 989.0	Brown sandstone with micaceous partings.
989.0 - 993.7	Grayish brown shaly sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Blackhawk Oil Co., Inc. Lease Campbell Well No. 17

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbla. / A Ft.	Perm., Mill.
			Oil	Water	Total		
SQUIRREL SAND							
1	854.7	15.1	37	37	74	433	5.8
2	855.3	15.0	46	39	85	535	6.0
3	856.6	14.9	44	39	83	507	3.1
4	857.5	12.4	28	41	69	269	0.41
BARTLESVILLE SAND							
5	985.5	14.6	32	48	80	362	6.6
6	986.5	14.2	46	37	83	507	5.0
7	987.5	14.6	31	41	72	351	6.8
8	988.5	14.9	43	34	77	497	15.
9	989.5	14.0	33	42	75	358	4.9
10	990.5	14.7	16	63	79	183	0.92
11	991.5	14.2	47	42	89	518	0.66
12	992.5	11.9	35	53	88	323	1.3
13	993.4	15.2	33	50	83	389	0.56