



OILFIELD RESEARCH LABORATORIES

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

April 5, 1982

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

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Campbell N Lease, Well No. 23, located 800' East of the West Line and 660' North of the South Line of the Southwest $\frac{1}{4}$ of the Southwest $\frac{1}{4}$, in Section 36, T-27S, R-16E, in Wilson 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 1, 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 Chanute, Kansas

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LOGName Blackhawk Oil Company, Inc. Lease Campbell N Well No. 23

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

1013.0 - 1014.0	Brown very shaly sandstone.
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1014.0 - 1016.0	Brown shaly sandstone with scattered gray shale partings.
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1016.0 - 1018.0	Grayish brown very shaly sandstone.
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1018.0 - 1018.5	Brown shaly sandstone.
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1018.5 - 1022.0	Grayish brown very shaly sandstone.
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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Blackhawk Oil Co., Inc. Lease Campbell N Well No. 23

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	1013.5	14.4	38	42	80	425	0.63
2	1014.5	14.7	35	42	77	399	3.5
3	1015.5	13.3	42	44	86	433	2.6
4	1016.5	14.8	39	40	79	448	0.39
5	1017.4	14.9	56	25	81	647	0.66
6	1018.4	13.7	44	29	73	468	3.7
7	1019.5	15.6	42	45	87	508	1.8
8	1020.5	14.5	61	19	80	686	2.7
9	1021.5	13.7	51	26	77	542	2.3