



# OILFIELD RESEARCH LABORATORIES

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

July 8, 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 South Lease, Well No. 2, located 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 July 6, 1982.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES



Sanford A. Michel

SAM/dlb

5 c to Chanute, Kansas

# OILFIELD RESEARCH LABORATORIES

## LOG

Name Blackhawk Oil Company, Inc. Lease Campbell South Well No. 2

| <u>Depth Interval,<br/>Feet</u> | <u>Description</u>              |
|---------------------------------|---------------------------------|
|                                 | <u>UPPER BARTLESVILLE SAND</u>  |
| 997.0 - 998.2                   | Brown shaly sandstone.          |
| 998.2 - 999.0                   | Brown slightly shaly sandstone. |
| 999.0 - 1001.0                  | Brown sandstone.                |
| 1001.0 - 1001.8                 | Brown slightly shaly sandstone. |
| 1001.8 - 1003.4                 | Brown shaly sandstone.          |
| 1003.4 - 1005.7                 | Gray shale.                     |

# Oilfield Research Laboratories

## RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Blackhawk Oil Co., Inc Lease Campbell South Well No. 2

| Sample No. | Depth, Feet | Porosity Percent | Percent Saturation |       |       | Oil Content Bbls. / A Ft. | Perm., Mill. |
|------------|-------------|------------------|--------------------|-------|-------|---------------------------|--------------|
|            |             |                  | Oil                | Water | Total |                           |              |
| 1          | 997.6       | 14.8             | 56                 | 39    | 95    | 643                       | 2.2          |
| 2          | 998.6       | 14.5             | 32                 | 41    | 73    | 360                       | 7.8          |
| 3          | 999.6       | 14.9             | 37                 | 25    | 62    | 428                       | 18.          |
| 4          | 1000.4      | 13.9             | 29                 | 38    | 67    | 313                       | 13.          |
| 5          | 1001.5      | 14.6             | 32                 | 43    | 75    | 363                       | 8.7          |
| 6          | 1002.6      | 14.3             | 40                 | 41    | 81    | 444                       | 5.1          |
| 7          | 1003.3      | 12.3             | 33                 | 33    | 66    | 315                       | 1.0          |