



# OILFIELD RESEARCH LABORATORIES

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

February 5, 1982

Smith & Forbus Enterprises, Inc.  
P. O. Box 1502  
Pasadena, Texas 77501

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Johnson Lease, Well No. 6, located 290' South of the North Line and 233' West of the East Line in Section 32, T-23S, R-25E, in Bourbon County, Kansas.

The core was sampled and sealed in plastic bags by a representative of Oilfield Research Laboratories and was received in our laboratory on February 2, 1982.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/kas

5 c to Pasadena, Texas

- REGISTERED ENGINEERS -

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

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LOG

Name Smith & Forbus Enterprises, Inc. Lease Johnson Well No. 6

| <u>Depth Interval,</u><br><u>Feet</u> | <u>Description</u>                    |
|---------------------------------------|---------------------------------------|
|                                       | <u>BARTLESVILLE SAND</u>              |
| 229.0 - 231.3                         | Gray shaly sandstone.                 |
| 231.3 - 232.0                         | Light brown shaly sandstone.          |
| 232.0 - 233.0                         | Light brown sandstone.                |
| 233.0 - 235.0                         | Light brown slightly shaly sandstone. |
| 235.0 - 238.0                         | Brown sandstone.                      |

# Oilfield Research Laboratories

## RESULTS OF SATURATION & PERMEABILITY TESTS

### TABLE 1

Smith & Forbus Enterprises, Inc.

Company \_\_\_\_\_ Lease Johnson Well No. 6

| Sample No. | Depth, Feet | Porosity Percent | Percent Saturation |       |       | Oil Content Bbls. / A Ft. | Perm., Mill. |
|------------|-------------|------------------|--------------------|-------|-------|---------------------------|--------------|
|            |             |                  | Oil                | Water | Total |                           |              |
| 1          | 229.7       | 6.2              | 14                 | 76    | 90    | 67                        | Imp.         |
| 2          | 230.5       | 11.0             | 8                  | 70    | 78    | 68                        | Imp.         |
| 3          | 231.4       | 15.4             | 20                 | 65    | 85    | 239                       | 0.25         |
| 4          | 232.5       | 19.1             | 31                 | 51    | 82    | 459                       | 22.          |
| 5          | 233.5       | 19.5             | 39                 | 45    | 84    | 590                       | 6.8          |
| 6          | 234.4       | 18.3             | 39                 | 48    | 87    | 554                       | 8.7          |
| 7          | 235.6       | 21.0             | 39                 | 27    | 66    | 635                       | 49.          |
| 8          | 236.5       | 22.4             | 46                 | 33    | 79    | 799                       | 66.          |
| 9          | 237.4       | 23.3             | 48                 | 33    | 81    | 868                       | 58.          |