



# OILFIELD RESEARCH LABORATORIES

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

January 19, 1981

James E. Russell Petroleum, Inc.  
P. O. Box 2618  
Abilene, Texas 79604

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Cooper Lease, Well No. 2, located 2420' South of the North Line and 2420' East of the West Line in the Northeast  $\frac{1}{4}$  in Section 15, T-23S, R-19E in Anderson County, Kansas.

The core was sampled by a representative of Oilfield Research Laboratories and was received in the laboratory on January 9, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/kas

3 c to Abilene, Texas  
2 c to Chanute, Kansas

## OILFIELD RESEARCH LABORATORIES

LOGName James E. Russell Petroleum, Inc. Lease Cooper Well No. 2

| <u>Depth Interval,<br/>Feet</u> | <u>Description</u>                          |
|---------------------------------|---------------------------------------------|
|                                 | <u>UPPER SQUIRREL SAND</u>                  |
| 730.0 - 730.8                   | Shale, gray sandy..                         |
| 730.8 - 733.3                   | Shale, gray calcareous fossiliferous sandy. |
| 733.3 - 734.0                   | Sandstone, gray, shaly.                     |
| 734.0 - 735.8                   | Sandstone, grayish brown very shaly.        |
| 735.8 - 740.2                   | Shale, gray sandy.                          |
| 740.2 - 744.4                   | Sandstone and shale, gray laminated.        |
| 744.4 - 750.5                   | Shale, gray sandy.                          |

## ELEVATION

DATUM: MEAN SEA LEVEL (GROUND LEVEL) 1098.9'

# Oilfield Research Laboratories

## RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

James E. Russell  
Petroleum, Inc.  
Company \_\_\_\_\_ Lease Cooper Well No. 2

| Sample No. | Depth, Feet | Porosity Percent | Percent Saturation |       |       | Oil Content Bbls. / A Ft. | Perm., Mill. |
|------------|-------------|------------------|--------------------|-------|-------|---------------------------|--------------|
|            |             |                  | Oil                | Water | Total |                           |              |
| 1          | 734.5       | 14.4             | 48                 | 32    | 80    | 536                       | 2.0          |
| 2          | 735.4       | 13.8             | 51                 | 30    | 81    | 546                       | Imp.         |