

OILFIELD RESEARCH LABORATORIES

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

August 11, 1980

North Slope Properties, Ltd.
C/O Davis Oil Company
P. O. Box 1004
Independence, Kansas 67301

Gentlemen:


Attached hereto are the results of tests run on the rotary core taken from the Cassingham Lease, Well No. 2-A, Neosho County, Kansas and submitted to our laboratory on July 8, 1980.

The core was sampled and sealed in plastic bags by a representative of the client.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES


Sanford A. Michel

BRP/ks

3 c to Independence, Kansas
2 c to Farrel Kahm, Clayton, Missouri

OILFIELD RESEARCH LABORATORIES

LOG

Name North Slope Properties, Ltd. Lease Cassingham Well No. 2-A

| <u>Depth Interval, Feet</u> | <u>Description</u> | <u>UPPER BARTLESVILLE SAND</u> |
|---------------------------------|-------------------------------------|--------------------------------|
| 735.5 - 746.8 | Gray sandy shale. | |
| 746.8 - 751.8 | Grayish brown very shaly sandstone. | |
| 751.8 - 753.2 | Brown sandstone. | |
| 753.2 - 754.3 | Brown shaly sandstone. | |
| 754.3 - 759.0 | Grayish brown very shaly sandstone. | |

Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

North Slope
 Properties, Ltd.

Company _____ Lease Cassingham Well No. 2-A

| Sample No. | Depth, Feet | Porosity Percent | Percent Saturation | | | Oil Content Bbls. / A Ft. | Perm., Mill. |
|------------|-------------|------------------|--------------------|-------|-------|---------------------------|--------------|
| | | | Oil | Water | Total | | |
| 1 | 747.3 | 9.4 | 37 | 52 | 89 | 270 | Imp. |
| 2 | 748.7 | 12.5 | 36 | 50 | 86 | 349 | Imp. |
| 3 | 749.4 | 14.7 | 54 | 20 | 74 | 616 | Imp. |
| 4 | 750.5 | 13.6 | 58 | 27 | 85 | 612 | Imp. |
| 5 | 751.6 | 13.3 | 30 | 49 | 79 | 310 | Imp. |
| 6 | 752.6 | 17.7 | 38 | 33 | 71 | 522 | 21. |
| 7 | 753.5 | 21.6 | 38 | 31 | 69 | 637 | 1.4 |
| 8 | 754.5 | 14.0 | 25 | 44 | 69 | 272 | Imp. |
| 9 | 755.4 | 17.1 | 38 | 30 | 68 | 504 | Imp. |
| 10 | 756.4 | 8.8 | 32 | 62 | 94 | 218 | Imp. |
| 11 | 757.4 | 12.5 | 25 | 70 | 95 | 242 | Imp. |
| 12 | 758.5 | 13.9 | 34 | 43 | 77 | 367 | Imp. |