

# OILFIELD RESEARCH LABORATORIES

536 NORTH HIGHLAND - CHANUTE, KANSAS - PHONE HE1-2650

June 14, 1966

Grass Roots Petroleum Company  
Box 688  
Chanute, Kansas

Gentlemen:

Enclosed herewith are the results of tests run on the Bartlesville formation Rotary core taken from the Wilson Lease, Well No. 32, located in Section 29, T-26S, R-18E, Allen County, Kansas, and submitted to our laboratory on June 9, 1966.

This core was sampled and the samples sealed in plastic bags by a representative of the client. The bottom 17 feet laid out eight hours prior to sampling. The well was drilled in semi-virgin territory.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

*Benjamin R. Pearman*  
Benjamin R. Pearman

BRP:rf

5 c.

-LOG-Company Grass Roots Petroleum Co. Lease Wilson Well No. 32

| Depth Interval,<br>Feet | Description |
|-------------------------|-------------|
|-------------------------|-------------|

|               |                           |
|---------------|---------------------------|
| 758.0 - 758.4 | - Dark gray, sandy shale. |
|---------------|---------------------------|

|               |                                      |
|---------------|--------------------------------------|
| 758.4 - 767.3 | - Brown, laminated, shaly sandstone. |
|---------------|--------------------------------------|

|               |                                    |
|---------------|------------------------------------|
| 767.3 - 776.0 | - Brown, slightly shaly sandstone. |
|---------------|------------------------------------|

|               |                     |
|---------------|---------------------|
| 776.0 - 777.3 | - Gray sandy shale. |
|---------------|---------------------|

|               |                                        |
|---------------|----------------------------------------|
| 777.3 - 783.4 | - Dark, carbonaceous, shaly sandstone. |
|---------------|----------------------------------------|

|               |         |
|---------------|---------|
| 783.4 - 783.8 | - Coal. |
|---------------|---------|

|               |                |
|---------------|----------------|
| 783.8 - 784.0 | - Black shale. |
|---------------|----------------|

# Oilfield Research Laboratories

## RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Grass Roots Petroleum Company Lease Wilson Well No. 32

| Sample No. | Depth, Feet | Effective Porosity Percent | Percent Saturation |       |       | Oil Content Bbls. / A Ft. | Perm., Mill. | Feet of Sand |          | Total Oil Content | Perm. Capacity Ft. X md. |
|------------|-------------|----------------------------|--------------------|-------|-------|---------------------------|--------------|--------------|----------|-------------------|--------------------------|
|            |             |                            | Oil                | Water | Total |                           |              | Ft.          | Cum. Ft. |                   |                          |
| 1          | 759.1       | 12.8                       | 31                 | 56    | 87    | 307                       | Imp.         |              |          |                   |                          |
| 2          | 762.0       | 18.0                       | 55                 | 27    | 82    | 768                       | 23.          |              |          |                   |                          |
| 3          | 765.9       | 13.8                       | 33                 | 53    | 86    | 353                       | 7.4          |              |          |                   |                          |
| 4          | 768.5       | 22.4                       | 43                 | 31    | 74    | 746                       | 94.          |              |          |                   |                          |
| 5          | 771.5       | 20.1                       | 53                 | 33    | 86    | 826                       | 39.          |              |          |                   |                          |
| 6          | 774.3       | 21.0                       | 48                 | 30    | 78    | 781                       | 43.          |              |          |                   |                          |
| 7          | 781.8       | 19.1                       | 47                 | 20    | 67    | 696                       | 15.          |              |          |                   |                          |