OILFIELD RESEARCH LABORATORIES

May 7, 1952

Layton Oil Company
P. O. Box 263
Independence, Kansas

Gentlemen:

Attached hereto are the results of effective permeability tests made on the Cable Tool core taken from the Barsch Lease Flood No. II, Well No. 117-Q, Montgomery County, Kansas, and submitted to our laboratory on April 24, 1952.

Very truly yours,

OIL FIELD RESEARCH LABORATORIES

Carl L. Pate

CLP:eda

c.c.

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OILFIELD RESEARCH LABORATORIES

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Company Layton Oil Company Lease Barsch - Flood No. II Well No. 117-Q

| Depth Interval, Feet | Description |
|---|---|
| 893.60 - 894.00 | Gray shale. |
| 894.00 - 896.00 | Gray shaley sandstone. |
| 896.00 - 896.40 | Brown fine grained micaceous shaley sandstone. |
| 896.40 - 897.50 | Gray shaley sandstone. |
| 897.50 - 900.80 | Brown fine grained micaceous slightly shaley sandstone. |
| 900.80 - 902.70 | Gray sandy shale. |
| 902.70 - 903.40 | Brown fine grained micaceous shaley sandstone. |
| 903.40 - 903.85 | Gray sandy shale. |
| 903.85 - 904.40 | Brown fine grained micaceous shaley sandstone. |
| 904.40 - 906.30 | Gray shaley sandstone containing a vertical fracture. |
| 906.30 - 910.00 | Brown fine grained micaceous shaley sandstone containing a vertical fracture. |
| 910.00 - 911.30 | Gray sandy shale. |
| 911.30 - 919.90 | Brown fine grained micaceous slightly shaley sandstone. |

## Oil Field Research Laboratories

**RESULTS OF PERMEABILITY AND POROSITY TESTS**

**TABLE I A**

Company Layton Oil Company Lease Baragh - Flood No. II Well No. 117-C

| Sample No. | Depth, Feet | Permeability Millidarcys | Feet of Core | | Permeability Capacity Ft. x Md. | Percent Porosity |
|---|---|---|---|---|---|---|
| | | | Ft. | Cum. Ft. | | |
| 1 | 896.15 | Imp. | 0.40 | 0.40 | | |
| 2 | 897.95 | Imp. | 0.90 | 1.30 | | |
| 3 | 899.00 | Imp. | 1.30 | 2.60 | | |
| 4 | 900.70 | Imp. | 1.10 | 3.70 | | |
| 5 | 902.85 | Imp. | 0.70 | 4.40 | | |
| 6 | 906.40 | Imp. | 0.90 | 5.30 | | |
| 7 | 909.55 | Imp. | 1.00 | 6.30 | | |
| 8 | 911.70 | Imp. | 1.00 | 7.30 | | |
| 9 | 912.80 | Imp. | 0.90 | 8.20 | | |
| 10 | 913.50 | Imp. | 0.95 | 9.15 | | |
| 11 | 914.73 | Imp. | 1.05 | 10.20 | | |
| 12 | 915.65 | Imp. | 0.70 | 10.90 | | |
| 13 | 916.20 | Imp. | 0.80 | 11.70 | | |
| 14 | 917.10 | Imp. | 0.80 | 12.50 | | |
| 15 | 917.90 | Imp. | 0.65 | 13.15 | | |
| 16 | 918.35 | Imp. | 0.45 | 13.60 | | |
| 17 | 918.84 | Imp. | 0.65 | 14.25 | | |
| 18 | 919.60 | Imp. | 0.65 | 14.90 | | |