

OIL FIELD RESEARCH LABORATORIES
CHANUTE, KANSAS

12-315-16E

February 20, 1952

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

Gentlemen:

Attached hereto are the results of effective permeability and porosity tests made on the Cable Tool core taken from the Barach Lease, Well No. 101, Montgomery County, Kansas, and submitted to our laboratory on February 10, 1952.

Very truly yours,

OIL FIELD RESEARCH LABORATORIES

Carl L. Pate

CLP:mm

c.c.

TWP 315 RGE 16E SEC 12

LOGCompany Layton Oil Company Lease Bargen Well No. 101

Depth Interval, <u>Feet</u>	<u>Description</u>
--------------------------------	--------------------

910.00 - 914.00 - According to log, discarded at well.

914.00 - 919.10 - Brown fine grained micaceous slightly shaley sandstone.

919.10 - 920.30 - Gray sandy shale.

920.30 - 926.50 - Brown fine grained micaceous sandstone.

926.50 - 935.75 - Dark fine grained micaceous carbonaceous sandstone.

935.75 - 936.30 - Gray sandy shale.

936.30 - 940.35 - Dark fine grained micaceous carbonaceous sandstone.

940.35 - 940.70 - Gray shale.

OIL FIELD RESEARCH LABORATORIES
CHANUTE, KANSAS

RESULTS OF PERMEABILITY & POROSITY TESTS

TABLE 1A

Company	Layton Oil Company	Lease	Bargoh	Well No.	101
Sample No.	Depth, Feet	Effective Permeability Millidarcys	Percent Porosity	Feet of Sand Ft. Cum. Ft.	
1	914.45	Imp.	-	1.00	1.00
2	915.50	Imp.	-	1.05	2.05
3	916.60	Imp.	-	1.35	3.40
4	918.25	0.044	14.4	1.30	4.70
5	919.00	Imp.	-	0.40	5.10
6	920.85	0.003	16.8	1.10	6.20
7	921.95	0.538	17.9	1.10	7.30
8	922.95	0.343	17.7	1.30	8.60
9	924.60	0.453	17.7	1.70	10.30
10	926.30	0.062	16.4	1.00	11.30
11	927.10	Imp.	-	0.90	12.20
12	927.75	Imp.	-	0.65	12.85
13	928.30	Imp.	-	1.15	14.00
14	930.10	14.00	21.0	1.40	15.40
15	931.10	Imp.	-	1.05	16.45
16	932.20	0.216	16.5	1.15	17.60
17	933.45	0.435	19.3	1.20	18.80
18	934.60	Imp.	-	1.10	19.90
19	935.70	0.293	17.6	0.65	20.55
20	936.55	Imp.	-	0.75	21.30
21	937.50	Imp.	-	0.95	22.25
22	938.48	3.94	18.7	1.05	23.30
23	939.60	Imp.	-	1.30	24.60

Oil Field Research Laboratories
SUMMARY OF PERMEABILITY & POROSITY TESTS

TABLE II A

Company	Layton Oil Company	Lease	Bersoh	Well No.	101
Depth Interval, Feet	Feet of Core Analyzed	Average Air Permeability, Millidarcys	Average Effective Permeability, Millidarcys	Permeability Capacity Ft. x Md.	Average Percent Porosity
917.40 - 939.05	12.95	-	2.06	-	17.68