

OILFIELD RESEARCH LABORATORIES

October 2, 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 your Barseh Lease, Well No. 119, Montgomery County, Kansas, and submitted to our laboratory on September 18, 1952.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Carl L. Pate

CLP:eda

C. C.

TWP 31S RGE 16E SEC 12

LOG

Company Layton Oil Company Lease Bargh Well No. 119

<u>Depth Interval, Feet</u>	<u>Description</u>
912.00 - 912.60	- Grayish light brown fine grained laminated micaceous shaley sandstone.
912.60 - 913.45	- Light brown fine grained micaceous sandstone.
913.45 - 913.70	- Laminated sandy shale.
913.70 - 914.35	- Light brown fine grained slightly laminated micaceous shaley sandstone.
914.35 - 914.55	- Laminated sandy shale.
914.55 - 915.10	- Dark fine grained micaceous sandstone.
915.10 - 915.60	- Laminated sandy shale.
915.60 - 916.55	- Dark fine grained micaceous sandstone.
916.55 - 916.80	- Laminated sandy shale.
916.80 - 917.90	- Light brown fine grained micaceous slightly shaley sandstone.
917.90 - 918.70	- Dark fine grained micaceous shaley sandstone.
918.70 - 919.00	- Laminated sandy shale.
919.00 - 919.30	- Dark fine grained micaceous shaley sandstone.
919.30 - 921.60	- Loss.
921.60 - 921.75	- Laminated sandstone and shale.
921.75 - 922.50	- Light brown fine grained micaceous shaley sandstone.
922.50 - 922.80	- Laminated sandy shale.
922.80 - 923.30	- Light brown fine grained micaceous shaley sandstone.
923.30 - 923.95	- Dark fine grained micaceous carbonaceous sandstone.
923.95 - 925.00	- Gray shale.

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RESULTS OF PERMEABILITY AND POROSITY TESTS

TABLE I A

Company Layton Oil Company Lease Bersch Well No. 119

Effective

Sample No.	Depth, Feet	Permeability Millidarcys	Feet of Core		Permeability Capacity Ft. x Md.	Percent Porosity
			Ft.	Cum. Ft.		
1	912.10	Imp.	0.60	0.60		
2	913.00	Imp.	0.85	1.45		
3	914.12	0.272	0.65	2.10		
4	914.95	0.271	0.55	2.65		
5	916.00	0.057	0.95	3.60		
6	916.95	Imp.	1.10	4.70		
7	918.30	Imp.	0.80	5.50		
8	922.00	Imp.	0.75	6.25		
9	923.40	0.064	0.65	6.90		

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SUMMARY OF PERMEABILITY & POROSITY TESTS

TABLE II A

Company	Lease	Well No.			
Layton Oil Company	Bersch	119			
Depth Interval, Feet	Feet of Core Analyzed	Average Air Permeability, Millidarcys	Average Effective Permeability, Millidarcys	Permeability Capacity Ft. x Md.	Average Percent Porosity
913.70-923.95	2.80	-	0.151	-	-