May 12, 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-S, Montgomery County, Kansas, and submitted to our laboratory on May 10, 1952.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Carl L. Pate

CLP:mm

c.c.

Removed out of core Journal for Analysis

TWP 31 S RGE 16 E SEC 12

LOG

Company Layton Oil Company Lease Barsch - Flood #2 Well No. 117-S

Depth Interval, Feet	Description
901.70 - 902.05	Gray sandy shale.
902.05 - 902.50	Brown fine grained micaceous shaley sandstone.
902.50 - 904.45	Brown fine grained micaceous sandstone.
904.45 - 905.20	Brown fine grained micaceous conglomeratic shaley sandstone.
905.20 - 905.85	Brown fine grained micaceous shaley sandstone.
905.85 - 906.45	Brown fine grained micaceous sandstone.
906.45 - 907.30	Brown fine grained laminated shaley sandstone.
907.30 - 908.30	Brown fine grained micaceous sandstone.
908.30 - 909.70	Loss.
909.70 - 912.45	Brown fine grained micaceous sandstone.
912.45 - 913.40	Brown fine grained micaceous shaley sandstone.
913.40 - 913.80	Gray sandy shale.
913.80 - 915.90	Finely laminated sandy shale.
915.90 - 917.15	Brown fine grained micaceous sandstone.
917.15 - 920.40	Finely laminated sandy shale.
920.40 - 921.10	Brown fine grained slightly laminated micaceous shaley sandstone.
921.10 - 923.70	Brown fine grained micaceous sandstone.
923.70 - 924.40	Brown fine grained slightly laminated micaceous shaley sandstone.
924.40 - 925.00	Dark fine grained micaceous carbonaceous sandstone.
925.00 - 925.40	Black shale.

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RESULTS OF PERMEABILITY AND POROSITY TESTS

TABLE I A

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

Sample No.	Depth, Feet	Effective Permeability Millidarcys	Feet of Core		Permeability Capacity Ft. x Md.	Percent Porosity
			Ft.	Cum. Ft.		
1	902.70	Imp.	1.95	1.95		
2	904.55	0.352	0.75	2.70		
3	906.00	Imp.	0.60	3.30		
4	907.20	Imp.	0.85	4.15		
5	910.30	Imp.	1.25	5.40		
6	911.60	0.238	1.05	6.45		
7	912.30	Imp.	0.45	6.90		
8	916.20	Imp.	0.70	7.60		
9	917.10	Imp.	0.55	8.15		
10	920.50	Imp.	0.70	8.85		
11	921.80	0.747	1.20	10.05		
12	922.95	0.210	1.40	11.45		
13	923.85	Imp.	0.70	12.15		
14	924.85	Imp.	1.00	13.15		

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SUMMARY OF PERMEABILITY & POROSITY TESTS

TABLE II A

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

Depth Interval, Feet	Feet of Core Analyzed	Average Air Permeability, Millidarcys	Average Effective Permeability, Millidarcys	Permeability Capacity Ft. x Md.	Average Percent Porosity
904.45 - 923.70	4.40	-	0.386	-	-