

July 22, 1950

Ohio Oil Company
Thompson Building
Tulsa, Oklahoma

Attention: Mr. H. R. Bolton

Gentlemen:

Enclosed herewith are the results of permeability and porosity tests made on the $2\frac{1}{2}$ " rotary core taken from the Olson Lease, Well No. 24, Greenwood County, Kansas, and submitted to our Laboratory on July 13, 1950.

Very truly yours,

OIL FIELD RESEARCH LABORATORIES

Carl L. Pate

CLP:dt

OHIO OIL COMPANY

CORE ANALYSIS REPORT

OLSON LEASE

WELL NO. 24

GREENWOOD COUNTY, KANSAS

OIL FIELD RESEARCH LABORATORIES

CHANUTE, KANSAS

JULY 22, 1950

OIL FIELD RESEARCH LABORATORIES

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Company Ohio Oil Company Lease Olson Well No. 24

<u>Depth Interval, Feet</u>	<u>Description</u>
2137.00 - 2137.13	- Laminated sandstone and shale.
2137.13 - 2138.40	- Light brown fine grained micaceous shaley sandstone.
2138.40 - 2142.05	- Light brown fine grained micaceous sandstone.
2142.05 - 2142.60	- Laminated shaley sandstone.
2142.60 - 2142.93	- Light brown fine grained micaceous shaley sandstone.
2142.93 - 2144.08	- Gray sandy shale.
2144.08 - 2144.95	- Light brown fine grained micaceous shaley sandstone.
2144.95 - 2146.00	- Light brown fine grained micaceous sandstone.

Oil Field Research Laboratories
RESULTS OF PERMEABILITY TESTS
TABLE I

Company Ohio Oil Company Lease Olsen Well No. 24

Sample No.	Depth, Feet	Permeability Millidarcys	Feet of Core		Permeability Capacity Ft. x Md.
			Ft.	Cum. Ft.	
1	2137.20	4.7	1.27	1.27	5.97
2	2138.55	5.3	0.60	1.87	3.18
3	2139.50	2.6	1.00	2.87	2.60
4	2140.20	1.6	1.00	3.87	1.60
5	2141.13	1.1	0.50	4.37	0.55
6	2141.97	1.8	0.55	4.92	0.99
7	2144.22	Imp.	0.87	5.79	0.00
8	2145.20	2.1	0.55	6.34	1.15
9	2145.95	4.7	0.50	6.84	2.35

OIL FIELD RESEARCH LABORATORIES
RESULTS OF EFFECTIVE PERMEABILITY & POROSITY TESTS

TABLE II

Company Ohio Oil Company Lease Olson Well No. 24

<u>Sample No.</u>	<u>Depth, Feet</u>	<u>Effective Permeability Millidarcys</u>	<u>Effective Porosity Percent</u>
1	2137.20	0.477	16.2
2	2138.55	0.498	17.3
3	2139.50	0.162	15.9
4	2140.20	0.083	9.8
5	2141.13	0.332	11.7
6	2141.97	0.163	17.2
7	2144.22	Imp.	-
8	2145.20	0.162	17.1
9	2145.95	0.498	17.2

OIL FIELD RESEARCH LABORATORIES
SUMMARY OF EFFECTIVE PERMEABILITY & POROSITY TESTS

TABLE III

Company	<u>Ohio Oil Company</u>	Lease	<u>Olson</u>	Well No.	<u>24</u>
Depth Interval, Feet	- - - - -	- - - - -	- - - - -	2137.13 -	2146.00
Feet of Core Analyzed	- - - - -	- - - - -	- - - - -	- - - - -	5.97
Average Air Permeability, Millidarcys	- - - - -	- - - - -	- - - - -	- - - - -	3.08
Average Effective Permeability, Millidarcys	- - - - -	- - - - -	- - - - -	- - - - -	0.56
Average Percent Porosity	- - - - -	- - - - -	- - - - -	- - - - -	15.09