

September 16, 1950

Deep Rock Oil Corporation
Atlas Life Building
Tulsa, Oklahoma

Attention: Mr. T. F. Laury

Gentlemen:

Attached hereto are the results of permeability and porosity tests made on the Cable Tool core taken from your Weiss Lease, Well No. 16-A, Anderson County, Kansas and submitted to our laboratory on September 11, 1950.

Very truly yours,

OIL FIELD RESEARCH LABORATORIES



Carl L. Pate

CLP:wm

c.c. to Mr. Jack McQueeny
Mr. Neil Henderson

15-21-20E

Weiss 16-A

OIL FIELD RESEARCH LABORATORIESLOGCOMPANY Deep Hook Oil Corporation LEASE Veias WELL NO. 16A

<u>Depth Interval, Feet</u>	<u>Description</u>
788.50 - 790.00	- Gray shale.
790.00 - 790.95	- Soft gray shale.
790.95 - 791.50	- Brown fine grained micaceous slightly shaley sandstone.
791.50 - 800.50	- Loss.
800.50 - 800.70	- Gray shale.
800.70 - 801.00	- Brown fine grained micaceous sandstone.
801.00 - 801.30	- Laminated sandy shale.
801.30 - 801.65	- Brown fine grained micaceous shaley sandstone.
801.65 - 801.87	- Brown fine grained micaceous sandstone.
801.87 - 802.50	- Finely laminated sandstone and shale.
802.50 - 802.75	- Brown fine grained finely laminated micaceous shaley sandstone.
802.75 - 802.88	- Gray shale.
802.88 - 803.20	- Brown fine grained micaceous sandstone.
803.20 - 803.50	- Laminated sandstone and shale.
803.50 - 815.50	- Loss.
815.50 - 815.70	- Finely laminated sandstone and shale.
815.70 - 816.50	- Brown fine grained micaceous sandstone.
816.50 - 817.45	- Gray shale.
817.45 - 818.30	- Brown fine grained micaceous laminated shaley sandstone.
818.30 - 819.10	- Gray shale.
819.10 - 819.32	- Laminated sandy shale.
819.32 - 819.65	- Brown fine grained micaceous sandstone.
819.65 - 819.75	- Laminated sandy shale.
819.75 - 820.37	- Light brown fine grained micaceous sandstone.

- 820.37 - 820.80 - Light brown fine grained micaceous shaley sandstone.
- 820.80 - 821.90 - Gray shale.
- 821.90 - 823.85 - Gray sandy calcareous shale.
- 823.85 - 824.50 - Loss.
- 824.50 - 825.30 - Gray sandy calcareous shale.
- 825.30 - 828.25 - Gray shale.
- 828.25 - 630.50 - This part not received, probably discarded at well.

Oil Field Research Laboratories
RESULTS OF PERMEABILITY TESTS
TABLE I

Company Deer Hook Oil Corporation Lease Weiss Well No. 16A

Sample No.	Depth, Feet	Permeability Millidarcys	Feet of Core		Permeability Capacity Ft. x Md.
			Ft.	Cum. Ft.	
1	791.10	9.1	0.55	0.55	5.01
2	800.80	7.0	0.60	1.15	4.20
3	801.70	7.1	0.25	1.40	1.70
4	802.70	6.1	0.25	1.65	1.53
5	803.10	10.	0.32	1.97	3.20
6	815.80	5.9	0.30	2.27	1.77
7	816.20	7.2	0.50	2.77	3.60
8	817.50	Imp.	0.35	3.12	0.00
9	818.10	6.3	0.50	3.62	3.15
10	819.55	4.5	0.33	3.95	1.82
11	819.90	1.9	0.62	4.57	1.18
12	820.50	2.9	0.43	5.00	1.25

OIL FIELD RESEARCH LABORATORIES

RESULTS OF POROSITY TESTS

TABLE II

COMPANY Deer Rock Oil Corporation LEASE Weiss WELL NO. 16A

<u>Sample No.</u>	<u>Depth, Feet</u>	<u>Porosity, Percent</u>
1	791.10	19.3
2	800.80	17.9
3	801.70	17.9
4	802.70	17.6
5	803.10	16.7
6	815.80	17.0
7	816.20	17.0
8	818.10	17.2
10	819.55	16.6
11	819.90	12.9
12	820.50	15.6

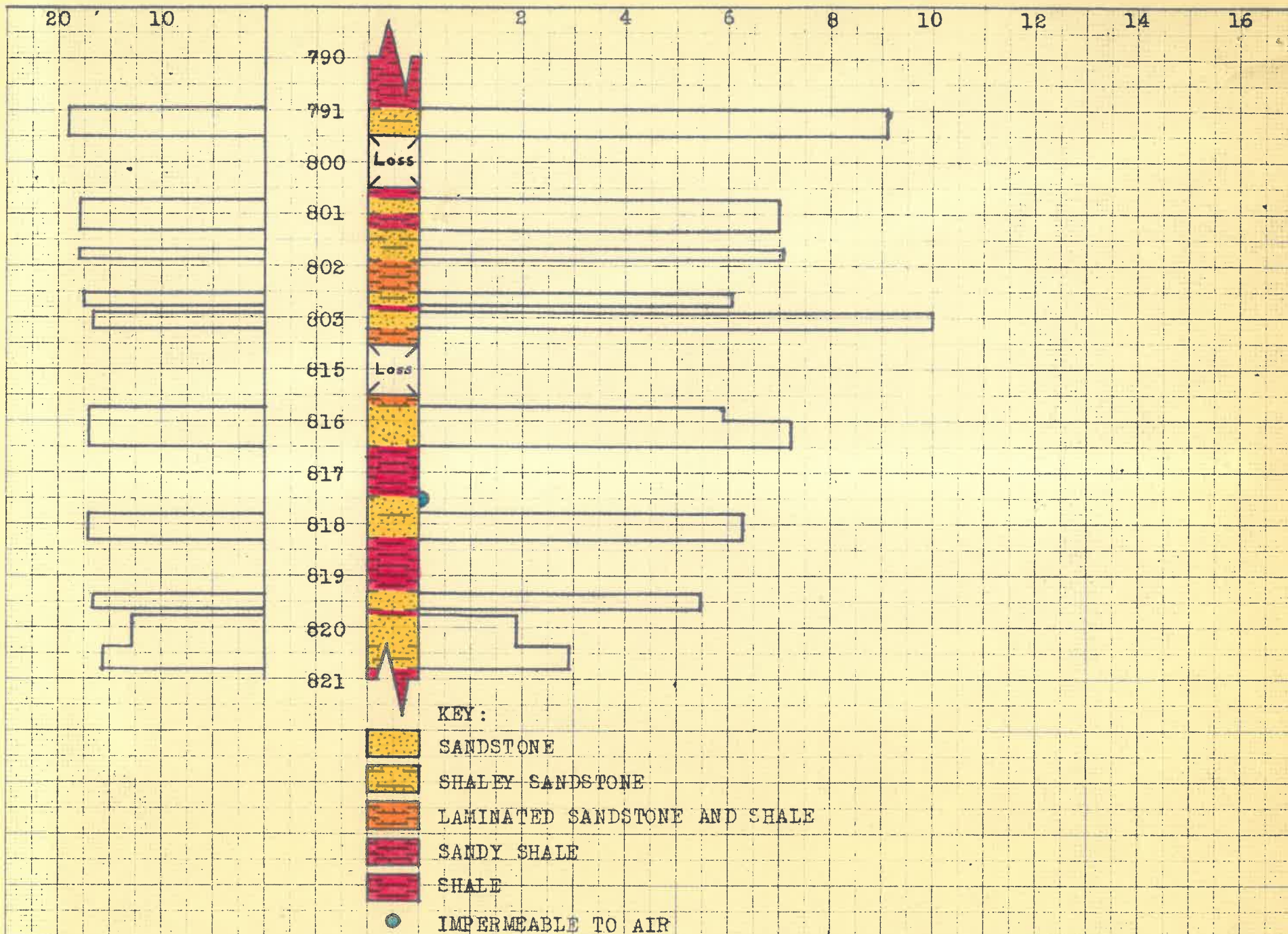
OIL FIELD RESEARCH LABORATORIES
SUMMARY OF PERMEABILITY & POROSITY TESTS

TABLE III

<u>COMPANY</u> <u>Deen Hook Oil Corporation</u>	<u>LEASE</u> <u>Weiss</u>	<u>WELL NO.</u> <u>16A</u>
Depth Interval, Feet - - - - -	790.95 -	820.80
Feet of Core Analyzed - - - - -		4.65
Average Permeability, Millidarcys - - - - -		6.13
Permeability Capacity, Ft. x Md. - - - - -		28.49
Average Percent Porosity - - - - -		16.77

PERCENT
POROSITY

AIR PERMEABILITY, IN MILLIDARCS



DEEP ROCK OIL CORPORATION

WEISS LEASE

WELL NO. 16A

ANDERSON COUNTY, KANSAS

OIL FIELD RESEARCH LABORATORIES
CHANUTE, KANSAS
SEPTEMBER 16, 1950.