June 29, 1949

Deep Rock Oil Corporation
Tulsa, Oklahoma

Attention: Mr. T. F. Lowry

Gentlemen:

Enclosed herewith is the report of the partial analysis made on the No. 6 Baker barrel core taken from the Miller Lease, Well No. 6-3, Franklin County, Kansas, and submitted to our laboratory on June 20, 1949.

Inasmuch as this core does not show any effective permeability, naturally, there would not be any floodable sand in same.

Very truly yours,

OIL FIELD RESEARCH LABORATORIES

Carl L. Pate

CLP:bb
c.c. to Mr. Bell Henderson

EAGLE PICHER OIL CORPORATION

CORE ANALYSIS REPORT

MILLER LEASE WELL NO. C-3

FRANKLIN COUNTY, KANSAS

OIL FIELD RESEARCH LABORATORIES

CHANUTE, KANSAS

JUNE 30, 1948

Oil Field Research Laboratories

GENERAL INFORMATION & SUMMARY

Company Deep Rock Oil Corporation Lease Miller Well No. 3-9

Location 330' South of North Line, NW¼

Section 34 Twp. 16S Rge. 21E County Franklin State Kansas

Name of Sand	Squirrel
Top of Core	630.50
Bottom of Core	645.50
Top of Sand	631.50
Bottom of Sand	641.70
Total Feet of Permeable Sand	0

Distribution of Permeable Sand:

Permeable Range Millidarcys	Feet	Cum. Ft.

Average Permeability, Millidarcys	0
Average Percent Porosity	15.09
Average Percent Oil Saturation	18.24
Average Percent Water Saturation	-
Average Oil Content, Bbls./A. Ft.	209.
Total Oil Content, Bbls./Acre	905.
Average Percent Oil Recovery by Laboratory Flooding Tests	0
Average Oil Recovery by Laboratory Flooding Tests, Bbls./A. Ft.	0
Total Oil Recovery by Laboratory Flooding Tests, Bbls./Acre	0
Total Calculated Oil Recovery, Bbls./Acre	0
Packer Setting, Feet	632.0
Viscosity, Centipoises @	
A. P. I. Gravity, degrees @ 60 °F	

Note: The above averages are for that part of the sand section extending from the packer setting to the top of cement plug.

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LOG

Company Deep Rock Oil Corporation Lease Miller Well No. 9-3

Depth Interval, Feet	Description
630.50 - 631.50	Lost.
631.50 - 362.00	Light brown fine grained micaceous shaley sandstone.
632.00 - 632.30	Gray sandy shale.
632.30 - 632.50	Light brown fine grained micaceous shaley sandstone.
632.50 - 632.70	Gray shale.
632.70 - 632.90	Light brown fine grained micaceous shaley sandstone.
632.90 - 633.03	Gray sandy shale.
633.03 - 634.95	Light brown fine grained micaceous shaley sandstone.
634.95 - 635.30	Gray sandy shale.
635.30 - 635.50	Light brown fine grained laminated micaceous sandstone.
635.50 - 635.90	Gray sandy shale.
635.90 - 636.27	Light brown fine grained micaceous shaley sandstone.
636.27 - 637.10	Brown fine grained micaceous sandstone.
637.10 - 637.83	Brown fine grained laminated micaceous shaley sandstone.
637.83 - 638.40	Gray sandy shale.
638.40 - 638.60	Laminated sandy shale.
638.60 - 639.70	Light brown fine grained micaceous shaley sandstone.
639.70 - 640.80	Gray sandy shale.
640.80 - 641.70	Light brown fine grained micaceous shaley sandstone.
641.70 - 642.40	Gray sandy shale.
642.40 - 645.50	Gray shale (discarded at well).

OIL FIELD RESEARCH LABORATORIES

SHOT RECOMMENDATION

Company Deep Rock Oil Corporation Lease Miller Well No. 2-3

Depth Interval, Feet	Feet of Sand	Size of Shell, Inches	Qts./Ft.	Total Qts.
637.0 - 641.5	4.5	4½	3.1	13.95

Recommended Packer Setting - 632.0 feet
Note: Plug hole back to 641.5 feet

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RESULTS OF SATURATION TESTS

TABLE III

Company Deep Rock Oil Corporation Lease Miller Well No. 3

Sat. No.	Depth, Feet	Effective Porosity Percent	Percent Saturation			Oil Content, Bbls./A. Ft.	Feet of Core		Total Oil Content Bbls./Acre
			Oil	Water	Total		Ft.	Cum. Ft.	
F-1	632.80	14.3	7.0	-	-	77	0.20	0.20	15
F-2	633.50	19.5	15.6	-	-	236	0.97	1.17	229
F-3	634.50	18.1	21.3	-	-	200	0.95	2.12	190
F-4	635.40	15.7	21.5	-	-	263	0.20	2.32	53
F-5	636.10	15.0	15.9	-	-	185	0.37	2.69	69
F-6	637.30	13.9	21.1	-	-	228	0.73	3.42	166
F-7	638.50	16.1	13.9	-	-	174	0.20	3.62	35
F-8	640.90	13.5	24.0	-	-	252	0.40	4.02	101
F-9	641.60	14.7	13.8	-	-	157	0.50	4.52	79
								Total - -	937

Oil Field Research Laboratories

SUMMARY OF SATURATION TESTS

TABLE IV

Company Deep Rock Oil Corporation Lease Miller Well No. C-3

Depth Interval, Feet	Feet of Core Analyzed	Average Percent Porosity	Average Percent Oil Saturation	Average Percent Water Saturation	Average Oil Content Bbls./A. Ft.	Total Oil Content Bbls./Acre
632.00-641.50	4.32	15.09	18.24	-	209	905

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RESULTS OF LABORAT

TABL

Company Deep Rock Oil Corporation Lease Miller

Sample No.	Depth, Feet	Effective Porosity Percent	Original Oil Saturation		Oil Recovery	
			Percent	Bbls./A. Ft.	Percent	Bbls./A. Ft
1	632.80	14.3	7.0	77	0.0	0
2	633.50	19.5	15.6	236	0.0	0
3	634.50	12.1	21.3	200	0.0	0
4	635.40	15.7	21.5	263	0.0	0
5	636.10	15.0	15.9	185	0.0	0
6	637.30	13.9	21.1	228	0.0	0
7	638.50	16.1	13.9	174	0.0	0
8	640.90	13.5	24.0	252	0.0	0
9	641.60	14.7	13.8	157	0.0	0

Notes: -cc- cubic centimeter
*Volume of water recov
of maximum oil recove

**Determined by passing
which still contains

ch Laboratories

ORY FLOODING TESTS

LE V

Well No. Q-3

	Residual Saturation			Volume of Water Recovered cc*	** Effective Permeability, Millidarcys	Initial Fluid Production Pressure Lbs./Sq. In.
	% Oil	% Water	Bbls./A. Ft.			
	7.0	87.8	77	0	Imp.	50 +
	15.6	77.9	236	0	Imp.	50 +
	21.3	70.8	200	0	Imp.	50 +
	21.5	75.6	263	0	Imp.	50 +
	15.9	83.3	185	0	Imp.	50 +
	21.1	73.4	228	0	Imp.	50 +
	13.9	81.3	174	0	Imp.	50 +
	24.0	72.8	252	0	Imp.	50 +
	13.8	76.6	157	0	Imp.	50 +

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water through sample
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