

OILFIELD RESEARCH LABORATORIES

536 NORTH HIGHLAND - CHANUTE, KANSAS 66720 - PHONE (316) 431-2650

January 15, 1980

Triangle Petroleum Company
P.O. Box 1047
Independence, Kansas 67301

Gentlemen:

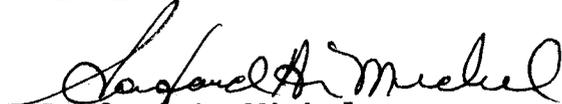
Enclosed herewith are the results of tests run on the rotary core taken from the Shaw Lease, Well No. 9, Montgomery County, Kansas, and submitted to our laboratory on December 21, 1979.

The core was sampled and sealed in plastic bags by a representative of the client.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES


Sanford A. Michel

SAM/tem
25 c to Independence, Kansas

- REGISTERED ENGINEERS -

CORE ANALYSIS - WATER ANALYSIS - REPRESSURING ENGINEERING - SURVEYING & MAPPING - PROPERTY EVALUATION & OPERATION

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GENERAL INFORMATION & SUMMARY

Company Triangle Petroleum Company Lease Shaw Well No. 9

Location 500' FNL & 165' FWL SW $\frac{1}{4}$

Section 6 Twp. 34S Rge. 14E County Montgomery State Kansas

Elevation, Feet	Redd
Name of Sand	527.0
Top of Core	543.0
Bottom of Core	527.0
Top of Sand	533.6
Bottom of Sand	5.9
Total Feet of Permeable Sand	

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

	Feet	Cum. Ft.
0 - 1	1.7	1.7
3 - 5	3.2	4.9
5 & Above	1.0	5.9

Average Permeability Millidarcys	3.8
Average Percent Porosity	17.5
Average Percent Oil Saturation	20.8
Average Percent Water Saturation	63.8
Average Oil Content, Bbls./A. Ft.	289.
Total Oil Content, Bbls./Acre	1,908.

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LOGName Triangle Petroleum Company Lease Shaw Well No. 9Depth Interval
FeetDescription

527.0 - 528.7

Brownish gray shaly slightly calcareous sandstone.

528.7 - 532.9

Light brown slightly calcareous slightly shaly sandstone.

532.9 - 533.6

Gray very calcareous sandstone.

533.6 - 543.0

Gray shale.

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Triangle Petroleum CompanyLease ShawWell No. 9

Sample No.	Depth, Feet	Effective Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.	Feet of Sand		Total Oil Content	Perm. Capacity Ft. X md.
			Oil	Water	Total			Ft.	Cum. Ft.		
1	527.5	16.8	14	78	92	183	0.92	1.0	1.0	183	0.92
2	528.5	16.4	1	90	91	13	0.32	0.7	1.7	9	0.23
3	529.5	19.3	22	55	77	329	3.8	1.0	2.7	329	3.80
4	530.5	19.4	30	49	79	452	7.4	1.0	3.7	452	7.40
5	531.5	18.8	22	59	81	321	4.6	1.0	4.7	321	4.60
6	532.5	18.0	30	56	86	419	4.4	1.2	5.9	503	5.28
7	533.5	11.3	18	71	81	158	Imp.	0.7	6.6	111	0.00

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Lease	Shaw	Well No.	
Triangle Petroleum Company			9	
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.	
527.0 - 533.6	5.9	3.8	22.23	
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Oil Saturation	Average Percent Water Saturation	Total Oil Content Bbls./Acre
527.0 - 533.6	6.6	17.5	20.8	289
				1,908