

OILFIELD RESEARCH LABORATORIES

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

April 16, 1981

Shaw Enterprises, Inc.
R R 4
Chanute, Kansas 66720

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Shaw Lease, Well No. 75, located in Neosho County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and was submitted to our laboratory on April 8, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

A handwritten signature in dark ink, appearing to read "Sanford A. Michel". The signature is fluid and cursive, with the first name "Sanford" and last name "Michel" clearly distinguishable.

Sanford A. Michel

SAM/kas

5 c to Chanute, Kansas

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GENERAL INFORMATION & SUMMARY

Company Shaw Enterprises, Inc. Lease Shaw Well No. 75
 Location _____
 Section 22 Twp. 28S Rge. 19E County Neosho State Kansas

Elevation, Feet

Name of Sand.....

Bartlesville

Top of Core

592.0

Bottom of Core

602.9

Top of Sand

592.0

Bottom of Sand

602.9

Total Feet of Permeable Sand

10.9

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

1 - 6

4.9

4.9

10 - 17

3.6

8.5

24 - 30

2.4

10.9

Average Permeability Millidarcys

11.5

Average Percent Porosity

17.7

Average Percent Oil Saturation

56.7

Average Percent Water Saturation

31.1

Average Oil Content, Bbls./A. Ft.

788.

Total Oil Content, Bbls./Acre

8,590.

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LOGName Shaw Enterprises, Inc. Lease Shaw Well No. 75

<u>Depth Interval, Feet</u>	<u>Description</u>
592.0 - 596.4	Dark brown slightly carbonaceous slightly calcareous sandstone.
596.4 - 600.6	Grayish light brown slightly calcareous shaly sandstone.
600.6 - 602.2	Black carbonaceous slightly calcareous sandstone.
602.2 - 602.9	Grayish light brown slightly carbonaceous slightly calcareous shaly sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Shaw Enterprises, Inc. Lease Shaw Well No. 75

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	592.4	19.6	39	33	72	593	24.	1.0	1.0	593	24.00
2	593.7	21.0	70	22	92	1140	29.	1.4	2.4	1596	40.60
3	595.2	20.1	65	28	93	1014	15.	1.0	3.4	1014	15.00
4	596.2	18.0	52	34	86	726	16.	1.0	4.4	726	16.00
5	597.4	18.3	65	27	92	923	2.2	1.6	6.0	1477	3.52
6	598.6	15.8	39	38	77	478	5.2	1.6	7.6	765	8.32
7	600.4	13.4	37	61	98	385	1.4	1.0	8.6	385	1.40
8	601.7	17.0	69	23	92	910	10.	1.6	10.2	1456	16.00
9	602.6	15.0	71	16	87	826	1.2	0.7	10.9	578	0.84

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

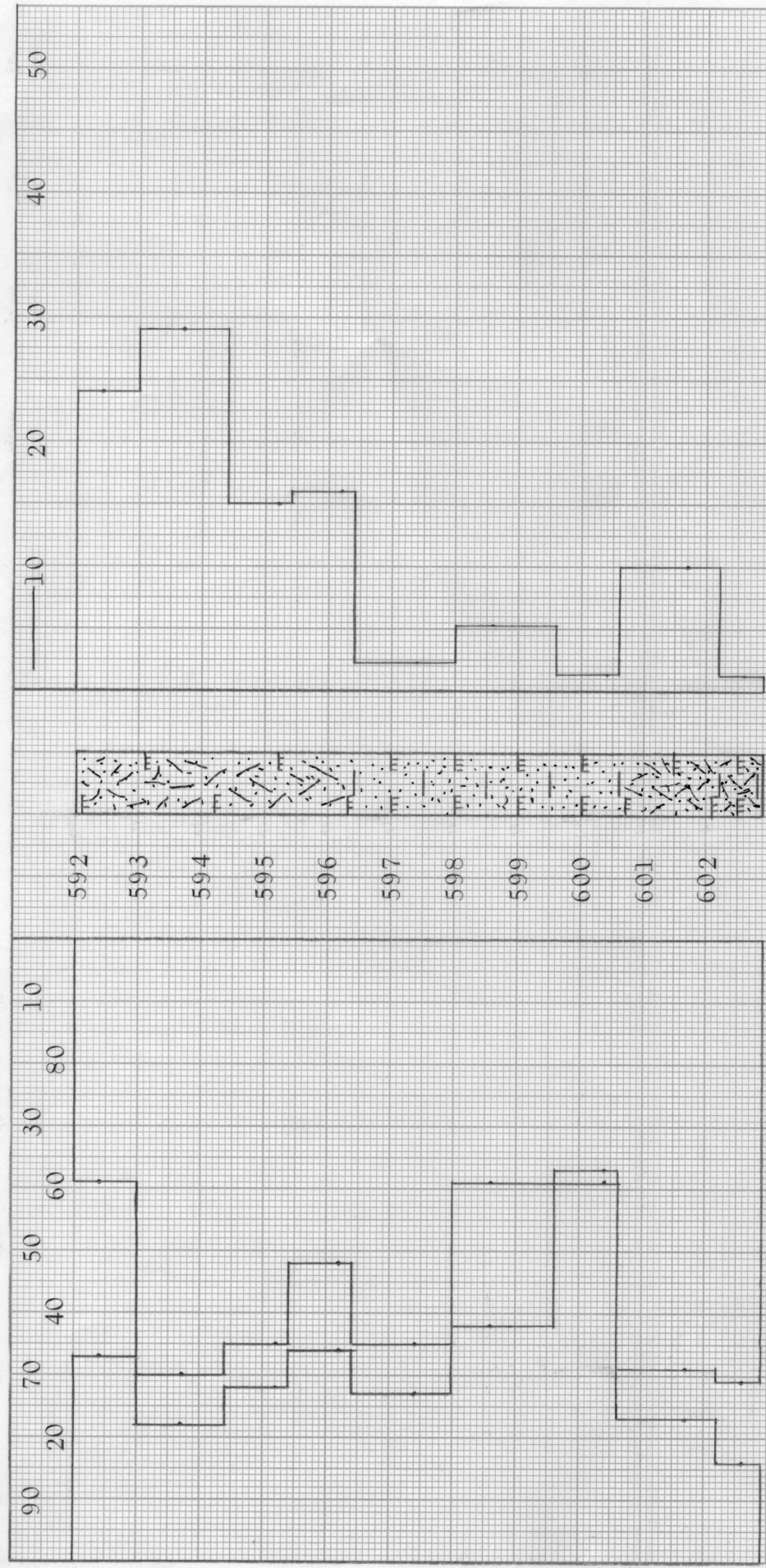
Company	Shaw Enterprises, Inc.		Lease	Shaw		Well No.	75
	Depth Interval, Feet	Fect of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.			
	592.0 - 598.0	6.0	16.5	99.12			
	598.0 - 602.9	4.9	5.4	26.56			
	592.0 - 602.9	10.9	11.5	125.68			

	Depth Interval, Feet	Fect of Core Analyzed	Average Percent Porosity	Average Percent Oil Saturation	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbls./Acre
	592.0 - 598.0	6.0	19.4	59.7	28.2	901	5,406
	598.0 - 602.9	4.9	15.6	53.0	34.7	650	3,184
	592.0 - 602.9	10.9	17.7	56.7	31.1	788	8,590

WATER SAT.,
PERCENT

PERMEABILITY, IN MILLIDARCYS

→ OIL SAT.,
PERCENT



KEY:



CARBONACEOUS CALCAREOUS SANDSTONE



SHALY CALCAREOUS SANDSTONE



CARBONACEOUS SHALY CALCAREOUS SANDSTONE

SHAW ENTERPRISES, INC.

SHAW LEASE

WELL NO. 75

NEOSHO COUNTY, KANSAS

DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE PERCENT POROSITY	AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT	AVERAGE PERMEABILITY, MILLIDARCYs
592.0 - 598.0	6.0	19.4	59.7	28.2	16.5
598.0 - 602.9	4.9	15.6	53.0	34.7	5.4
592.0 - 602.9	10.9	17.7	56.7	31.1	11.5

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CHANUTE, KANSAS
APRIL, 1981

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