

OILFIELD RESEARCH LABORATORIES

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

January 8, 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. 8, 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


Benjamin R. Pearman

BRP/tem
25 c to Independence, Kansas

- REGISTERED ENGINEERS -

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

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LOGName Triangle Petroleum Company Lease Shaw Well No. 8

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
696.0 - 696.9	Light brown shaly slightly calcareous sandstone.
696.9 - 698.1	Brown slightly shaly slightly calcareous sandstone.
698.1 - 699.0	Brown slightly calcareous sandstone.
699.0 - 699.7	Brown shaly slightly calcareous sandstone.
699.7 - 704.2	Brown slightly calcareous sandstone.
704.2 - 706.0	Brown slightly shaly slightly calcareous sandstone.
706.0 - 712.3	Light brown slightly calcareous sandstone.
712.3 - 713.0	Brownish gray shaly slightly calcareous sandstone.
713.0 - 721.0	Light brown slightly calcareous sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Triangle Petroleum Company

Lease Shaw

Well No. 8

Sample No.	Depth, Feet	Effective Porosity Percent	Percent Saturation			Oil Content Bbbls. / A Ft.	Perm., Mill.	Feet of Sand		Total Oil Content	Perm. Capacity Ft. X md.
			Oil	Water	Total			Ft.	Cum. Ft.		
1	696.5	9.6	31	67	98	231	1.2	0.9	208	1.08	
2	697.5	11.7	34	61	95	309	9.9	1.2	371	11.88	
3	698.5	18.7	27	55	82	392	17.53	0.9	353	15.30	
4	699.5	15.8	20	67	87	245	69.	0.7	172	0.37	
5	700.5	16.6	32	47	79	412	34.	1.3	536	89.70	
6	701.5	15.9	43	44	87	530	58.	1.0	530	34.00	
7	602.5	17.4	31	48	79	419	28.	1.0	419	58.00	
8	603.5	16.2	30	49	79	377	14.	1.2	452	33.60	
9	704.5	14.5	15	65	80	169	15.	0.8	135	11.20	
10	705.5	16.8	19	59	78	248	28.	1.0	248	15.00	
11	706.5	19.0	25	52	77	370	56.	1.0	370	28.00	
12	707.5	21.6	22	47	69	369	32.	1.0	369	56.00	
13	708.5	18.9	27	50	77	388	18.	1.0	388	32.00	
14	709.5	18.5	27	50	77	388	58.	1.0	388	18.00	
15	710.5	18.0	25	57	82	349	22.	1.0	349	58.00	
16	711.5	18.4	23	56	79	328	0.57	1.3	426	28.60	
17	712.5	18.7	22	54	76	319	72.	0.7	223	0.40	
18	713.5	19.7	24	49	73	367	16.	1.0	367	72.00	
19	714.5	18.3	16	61	77	227	70.	1.0	227	16.00	
20	715.5	20.1	36	47	83	561	113.	1.0	561	70.00	
21	716.5	18.2	17	65	82	240	133.	1.0	240	113.00	
22	717.5	20.9	35	38	73	568	97.	1.0	568	133.00	
23	718.5	19.9	28	51	79	432	101.	1.0	432	97.00	
24	719.5	20.4	17	61	78	269	36.	1.0	269	101.00	
25	720.5	20.5	27	44	71	429		1.0	429	36.00	

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

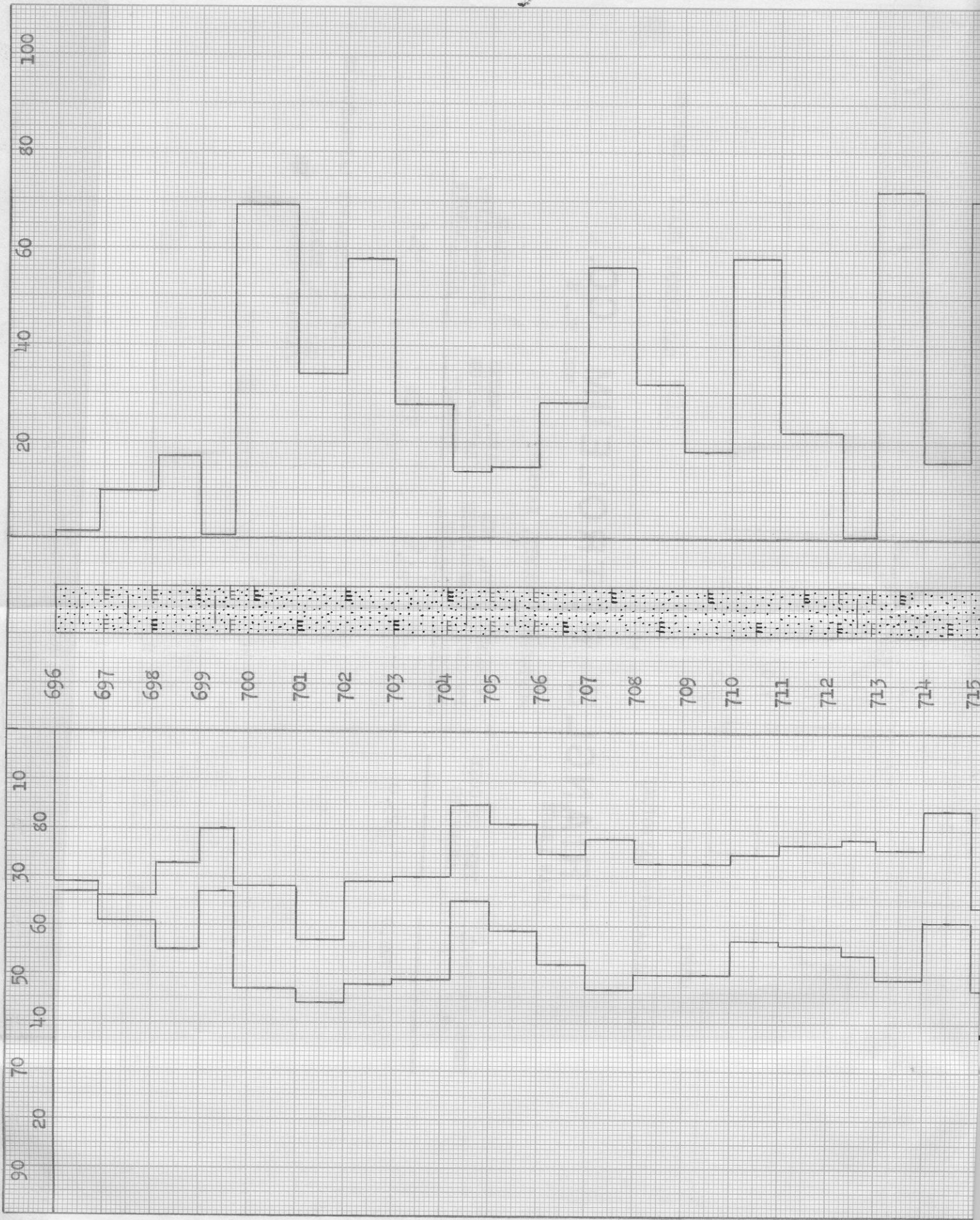
Company Triangle Petroleum Company Lease Shaw Well No. 8

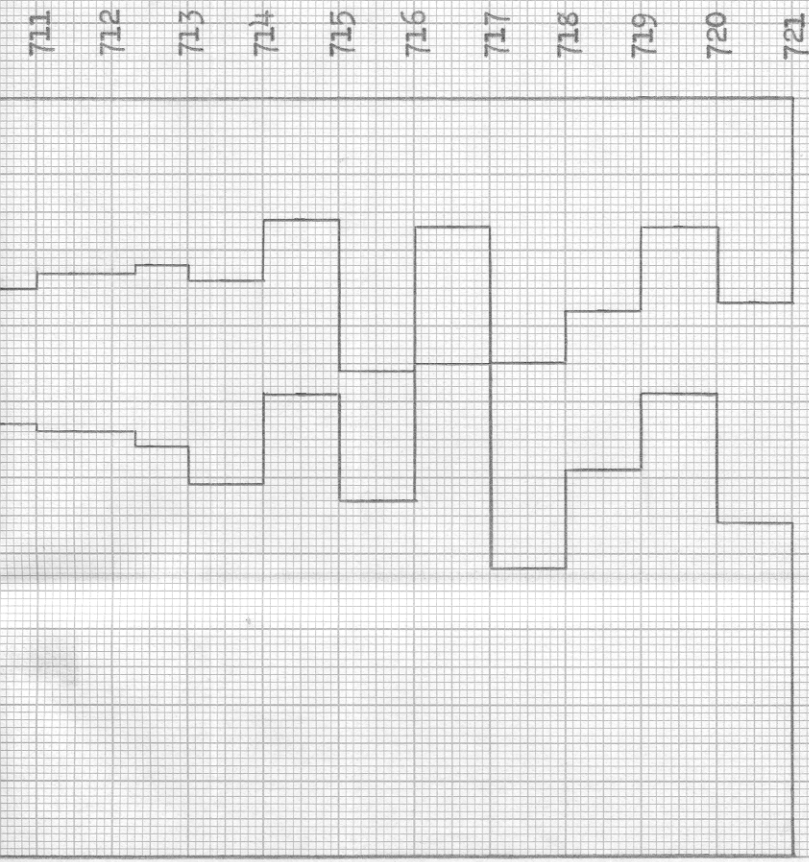
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
696.0 - 721.0	25.0	45.2	1129.13

Depth Interval, Feet	Feet 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
696.0 - 721.0	25.0	17.8	26.4	53.4	361	9,030

— PERMEABILITY, IN MILLIDARCY


WATER SAT., PERCENT ←
OIL SAT., PERCENT →





KEY:

 CALCAREOUS SANDSTONE

 CALCAREOUS SHALY SANDSTONE

TRIANGLE PETROLEUM CO.

SHAW LEASE
MONTGOMERY COUNTY, KANSAS
WELL NO. 8

DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE POROSITY PERCENT	AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT	AVERAGE PERMEABILITY, MILLIDARCY
696.0 - 721.0	25.0	17.8	26.4	53.4	45.2

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CHANUTE, KANSAS
JANUARY, 1960 **BR**

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