

OILFIELD RESEARCH LABORATORIES

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

June 26, 1980

Diamond Oil Producers, Inc.
114 South Depot
Cherryvllae, Kansas 67335

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Mattox A Lease, Well No. 10, Labette County, Kansas, and submitted to our laboratory on June 14, 1980.

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

5 c to Cherryvale, Kansas

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company Diamond Oil Producers, Inc. Lease Mattox A Well No. 10
 Location 1000' EWL. & 1100' SNL NW $\frac{1}{4}$
 Section 7 Twp. 33S Rge. 18E County Labette State Kansas

Elevation, Feet	
Name of Sand	Cattleman
Top of Core	602.0
Bottom of Core	623.8
Top of Sand	602.0
Bottom of Sand	623.8
Total Feet of Permeable Sand	20.3

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 10	7.3	7.3
10 - 15	6.3	13.6
15 - 25	4.0	17.6
25 & Above	2.7	20.3

Average Permeability Millidarcys	13.0
Average Percent Porosity	14.7
Average Percent Oil Saturation	27.6
Average Percent Water Saturation	39.1
Average Oil Content, Bbls./A. Ft.	327.
Total Oil Content, Bbls./Acre	7,138.

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LOG

Name Diamond Oil Producers, Inc. Lease Mattox A Well No. 10

Depth Interval,
Feet

Description

602.0 - 610.5	Brown sandstone.
610.5 - 611.0	Gray very shaly sandstone.
611.0 - 613.9	Grayish brown shaly sandstone.
613.9 - 615.7	Brown shaly sandstone.
615.7 - 620.2	Brown slightly shaly sandstone.
620.2 - 623.8	Grayish brown shaly sandstone.

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Diamond Oil Producers, Incorporated		Lease	Mattox A		Well No. 10	
	Depth Interval, Feet	Feet of Core Analyzed		Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.		
	602.0 - 623.8	20.3		13.0	264.78		
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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

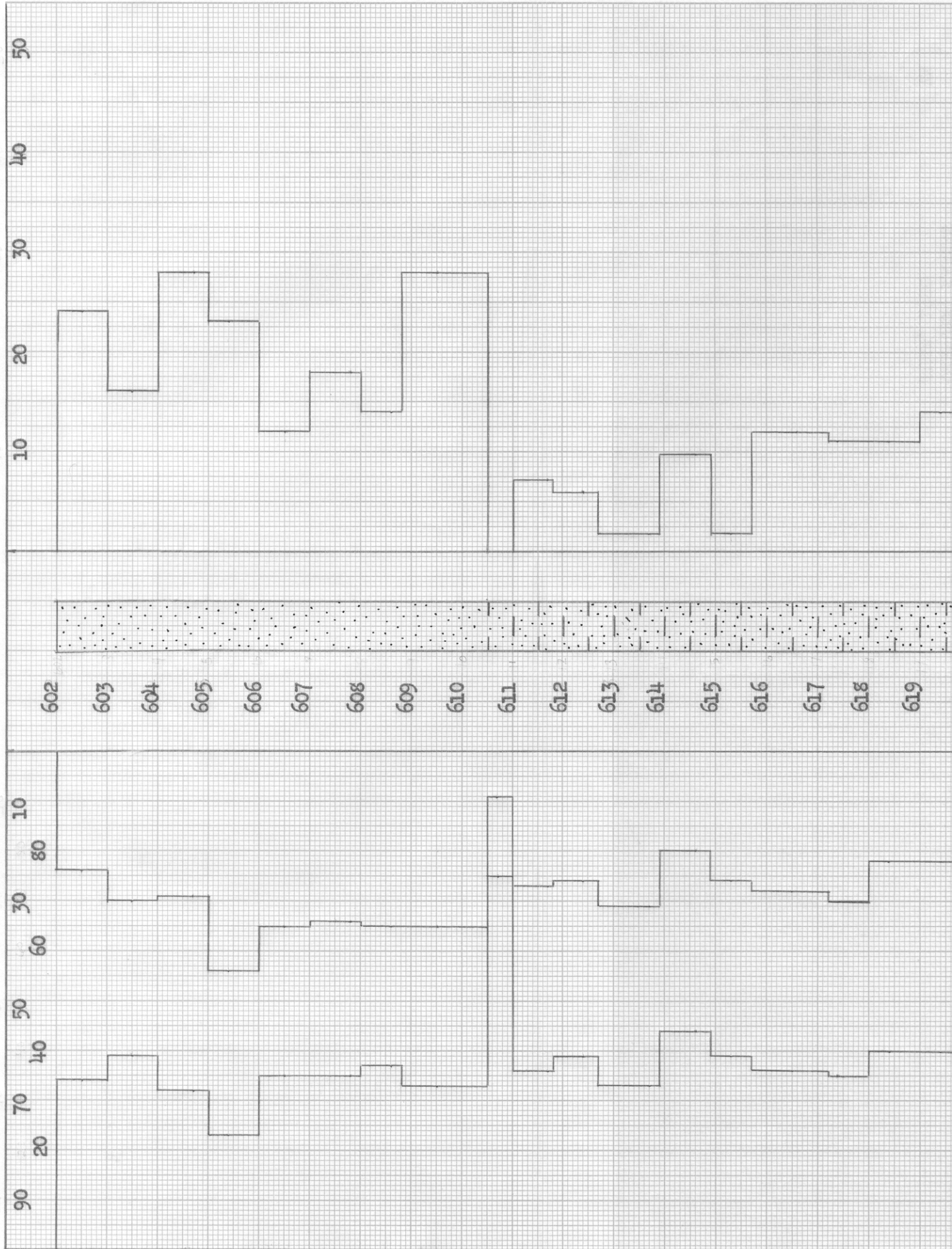
Company Diamond Oil Producers, Inc. Lease Mattox A Well No. 10

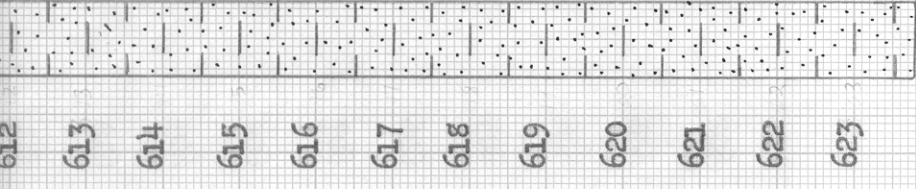
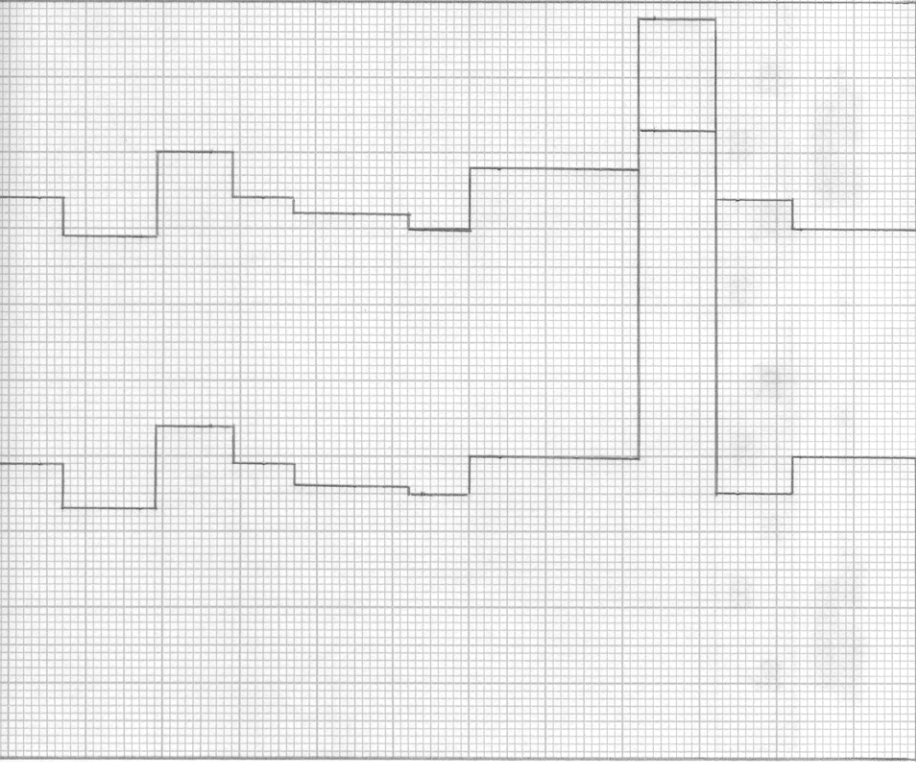
Sample No.	Depth, Feet	Effective Porosity Percent	Percent Saturation		Oil Content Bbls. / A Ft.	Perm., Mill.	Feet of Sand		Total Oil Content	Perm. Capacity Ft. X md.
			Oil	Water			Ft.	Cum. Ft.		
1	602.5	18.1	24	34	337	24.	1.0	1.0	337	24.00
2	603.5	15.0	30	39	349	16.	1.0	2.0	349	16.00
3	604.7	16.2	29	32	365	28.	1.0	3.0	365	28.00
4	605.4	16.5	44	23	563	23.	1.0	4.0	563	23.00
5	606.5	16.4	35	35	445	12.	1.0	5.0	445	12.00
6	607.8	16.7	34	35	441	18.	1.0	6.0	441	18.00
7	608.6	16.3	35	37	443	14.	0.8	6.8	354	11.20
8	609.5	17.4	35	33	473	28.	1.7	8.5	804	47.60
9	610.7	4.8	9	75	34	Imp.	0.5	9.0	17	0.00
10	611.7	16.4	27	36	344	7.4	0.8	9.8	275	5.92
11	612.4	16.0	26	39	323	6.0	0.9	10.7	291	5.40
12	613.7	14.0	31	33	337	1.8	1.2	11.9	404	2.16
13	614.6	16.5	20	44	256	9.6	1.0	12.9	256	9.60
14	615.3	14.1	26	39	284	1.8	0.8	13.7	227	1.44
15	616.5	15.6	28	36	339	12.	1.5	15.2	509	18.00
16	617.4	15.5	30	35	361	11.	0.8	16.0	289	8.80
17	618.4	16.2	22	40	277	11.	1.0	17.0	277	11.00
18	619.4	13.1	22	40	224	14.	1.2	18.2	269	16.80
19	620.4	7.8	2	83	12	Imp.	1.0	19.2	12	0.00
20	621.5	13.1	26	35	264	3.3	1.0	20.2	264	3.30
21	622.3	10.5	30	40	244	1.6	1.6	21.8	390	2.56

PERMEABILITY, IN MILLIDARCYS

WATER SAT., PERCENT

OIL SAT., PERCENT





KEY:



SANDSTONE



SHALY SANDSTONE

DIAMOND OIL PRODUCERS, INC.

MATTOX A LEASE

LABETTE COUNTY, KANSAS

WELL NO. 10

DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE PERCENT POROSITY	AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT	AVERAGE PERMEABILITY MILLIDARCS
602.0 - 623.8	21.8	14.7	27.6	39.1	13.0