

OILFIELD RESEARCH LABORATORIES

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

September 29, 1980

Verdi Oil Company
R R # 2
Neodesha, Kansas 66757

Gentlemen:

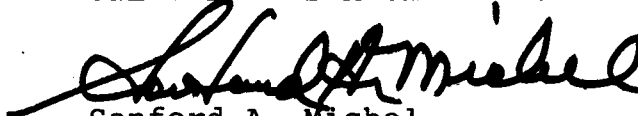
Enclosed herewith are the results of tests run on the rotary core taken from the Adelgren Lease, Well No. 2, Wilson County, Kansas and submitted to our laboratory on August 4, 1980.

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/ks

5 c to Neodesha, Kansas

- REGISTERED ENGINEERS -

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

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company Verdi Oil Co. Lease Adelgren Well No. 2
 Location _____
 Section 36 Twp. 27S Rge. 16E County Wilson State Kansas

Elevation, Feet	-
Name of Sand	Squirrel
Top of Core	866.0
Bottom of Core	886.0
Top of Sand	866.0
Bottom of Sand	884.0
Total Feet of Permeable Sand	12.9

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 5	5.8	5.8
5 - 10	5.7	11.5
18 & Above	1.4	12.9

Average Permeability Millidarcys	6.3
Average Percent Porosity	13.9
Average Percent Oil Saturation	44.6
Average Percent Water Saturation	42.9
Average Oil Content, Bbls./A. Ft.	493.
Total Oil Content, Bbls./Acre	8,532.

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LOGName Verdi Oil Company Lease Adelgren Well No. 2

<u>Depth Interval, Feet</u>	<u>Description</u>
866.0 - 866.7	Hard light brown fossiliferous calcareous sandstone.
866.7 - 873.0	Brown broken laminated shaly sandstone.
873.0 - 873.4	Brownish gray laminated sandy shale.
873.4 - 873.8	Brown sandstone.
873.8 - 874.1	Gray sandy shale.
874.1 - 879.8	Brown laminated shaly sandstone.
879.8 - 884.0	Grayish light brown very shaly sandstone.
884.0 - 886.0	Gray sandy shale.

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Verdi Oil Co. Lease Adelgren Well No. 2

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	866.3	7.3	20	65	85	113	Imp.	0.7	0.7	79	0.00
2	867.3	14.3	42	44	86	466	1.8	1.3	2.0	606	2.34
3	868.5	15.3	32	48	80	380	6.6	1.0	3.0	380	6.60
4	869.3	17.2	60	32	92	801	9.9	1.0	4.0	801	9.90
5	870.3	15.6	56	30	86	678	7.4	1.0	5.0	678	7.40
6	871.5	16.1	50	31	81	625	4.9	1.0	6.0	625	4.90
7	872.5	16.7	51	32	83	661	18.	1.0	7.0	661	18.00
8	873.5	16.6	53	24	77	683	33.	0.4	7.4	273	13.20
9	874.5	8.2	31	66	97	197	Imp.	1.0	8.4	197	0.00
10	875.5	12.2	53	43	96	502	2.2	1.0	9.4	502	2.20
11	876.5	14.9	53	32	85	613	6.1	1.0	10.4	613	6.10
12	877.5	15.2	49	26	75	578	5.3	1.0	11.4	578	5.30
13	878.5	13.9	52	36	88	561	7.4	0.7	12.1	393	5.18
14	879.7	14.0	51	36	87	554	0.27	1.0	13.1	554	0.27
15	880.7	13.9	46	46	92	496	Imp.	1.0	14.1	496	0.00
16	881.5	11.3	42	56	98	368	Imp.	1.7	15.8	626	0.00
17	883.8	14.4	28	58	86	313	0.29	1.5	17.3	470	0.44

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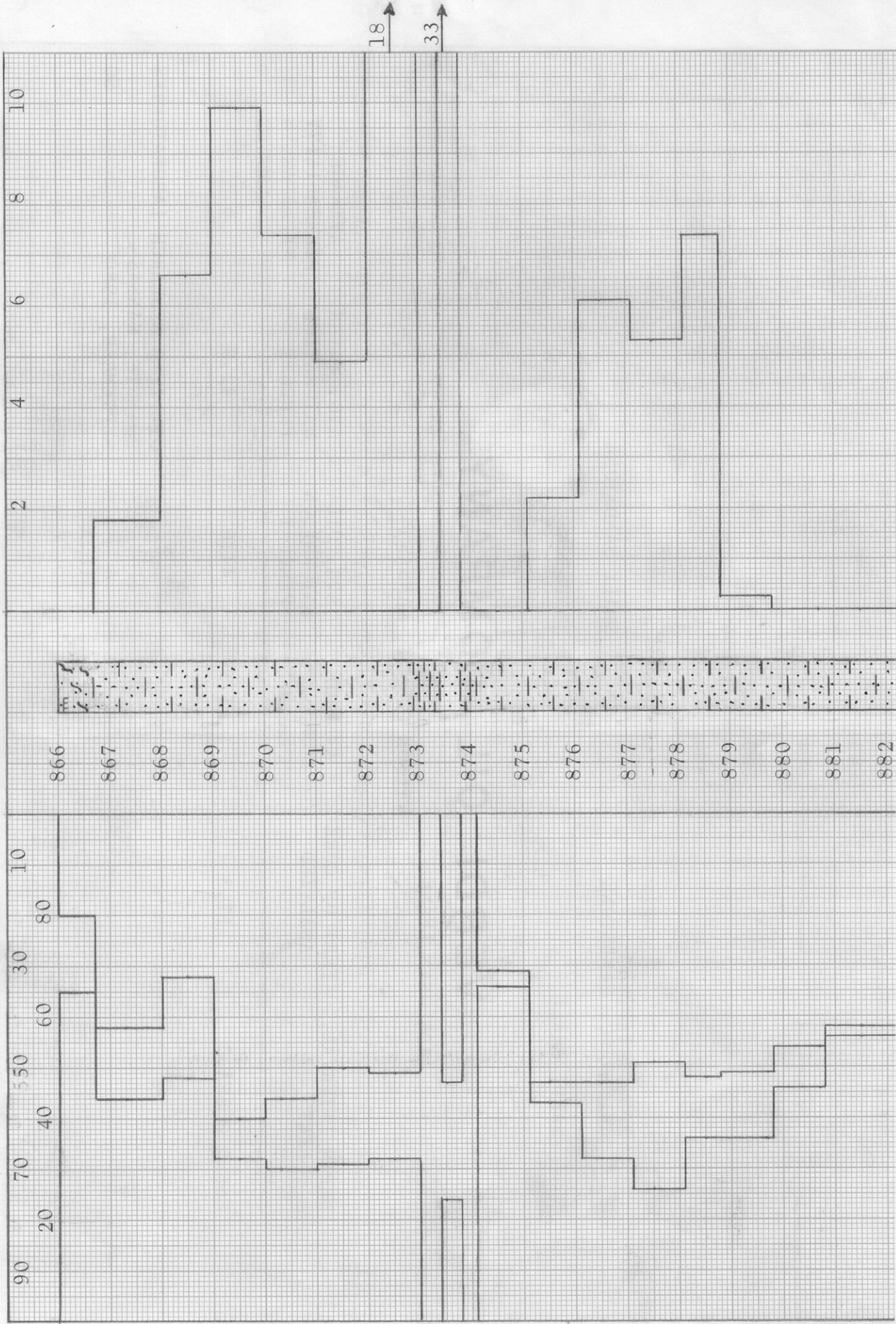
SUMMARY OF PERMEABILITY & SATURATION TESTS

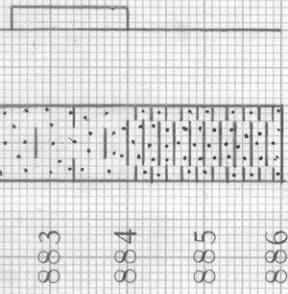
TABLE III

Company	Verdi Oil Co.	Lease	Adelgren	Well No.	2		
	Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.			
	866.0 - 884.0	12.9	6.3	81.83			
	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
	866.0 - 884.0	17.3	13.9	44.6	42.9	493	8,532

WATER SAT. → PERCENT
OIL SAT. ← PERCENT

— PERMEABILITY, IN MILLIDARCYS





KEY:

FOSSILIFEROUS
CALCAREOUS SANDSTONE



SHALY SANDSTONE



SANDY SHALE



SANDSTONE



VERDI OIL COMPANY

ADELGREN LEASE

WELL NO. 2

WILSON COUNTY, KANSAS

DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE POROSITY PERCENT	AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT	AVERAGE PERMEABILITY MILLIDARCYS
866.0 - 884.0	17.3	13.9	44.6	42.9	6.3

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CHANUTE, KANSAS
SEPTEMBER, 1980