

OILFIELD RESEARCH LABORATORIES

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

June 15, 1982

Conti Oil Corporation
1420 South Santa Fe
Chanute, Kansas 66720

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Gerken Lease, Well No. 26, located in Allen County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and was submitted to our laboratory on June 11, 1982. This report consists of the results of the Bartlesville Sand core.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/dlb

5 c to Chanute, Kansas

Oilfield Research Laboratories
GENERAL INFORMATION & SUMMARY

Company Conti Oil Corporation Lease Gerken Well No. 26
 Location _____
 Section 7 Twp. 26S Rge. 19E County Allen State Kansas

Elevation, Feet
 Name of Sand..... Bartlesville
 Top of Core 829.0
 Bottom of Core 842.0
 Top of Sand 829.0
 Bottom of Sand 842.0
 Total Feet of Permeable Sand 12.0

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 1	0.7	0.7
10 - 22	4.0	4.7
30 - 60	3.0	7.7
60 - 88	4.3	12.0

Average Permeability Millidarcys 42.6
 Average Percent Porosity 21.7
 Average Percent Oil Saturation 22.1
 Average Percent Water Saturation..... 40.5
 Average Oil Content, Bbls./A. Ft. 375.
 Total Oil Content, Bbls./Acre..... 4,878.

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LOG

Name Conti Oil Corporation Lease Gerken Well No. 26

Depth Interval, Description
Feet

BARTLESVILLE SAND

829.0 - 830.7	Grayish light brown very shaly sandstone.
830.7 - 842.0	Light brown sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Conti Oil Corporation Lease Gerken Well No. 26

BARTLESVILLE SAND

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	829.6	15.6	16	52	68	194	Imp.	1.0	1.0	194	0.00
2	830.4	15.2	18	57	75	212	0.52	0.7	1.7	148	0.35
3	831.6	24.2	24	34	58	451	72.	1.3	3.0	586	93.60
4	832.5	20.9	29	38	67	470	19.	1.0	4.0	470	19.00
5	833.4	22.2	22	35	57	379	44.	1.0	5.0	379	44.00
6	834.6	23.2	19	42	61	342	20.	1.0	6.0	342	20.00
7	835.5	22.8	21	34	55	372	62.	1.0	7.0	372	62.00
8	836.4	23.2	29	40	69	522	87.	1.0	8.0	522	87.00
9	837.4	23.5	26	43	69	474	39.	1.0	9.0	474	39.00
10	838.6	23.3	25	44	69	452	31.	1.0	10.0	452	31.00
11	839.5	20.8	22	39	61	355	18.	1.0	11.0	355	18.00
12	840.5	21.9	18	48	66	306	83.	1.0	12.0	306	83.00
13	841.3	22.4	16	28	44	278	14.	1.0	13.0	278	14.00

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

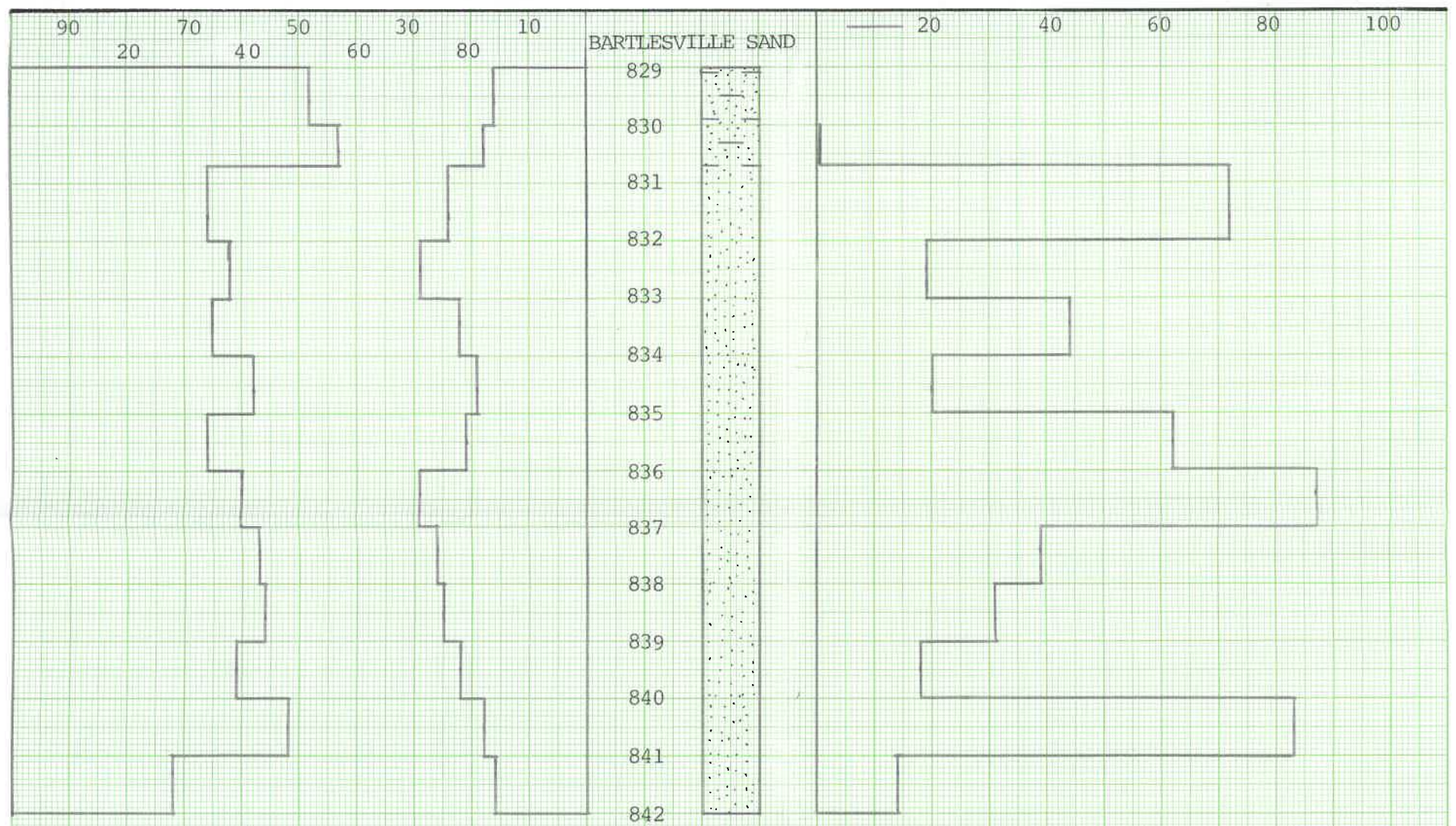
Company	Lease	Gerken	Well No.
Conti Oil Corporation			26
<u>BARTLESVILLE SAND</u>			
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
829.0 - 830.7	0.7	0.52	0.35
830.7 - 842.0	11.3	45.2	510.60
829.0 - 842.0	12.0	42.6	510.95

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
829.0 - 830.7	1.7	15.4	16.8	54.1	201	342
830.7 - 842.0	11.3	22.6	22.8	38.5	401	4,536
829.0 - 842.0	13.0	21.7	22.1	40.5	375	4,878

WATER SAT., PERCENT

OIL SAT., PERCENT

PERMEABILITY, IN MILLIDARCYS



KEY:

 SANDSTONE
 SHALY SANDSTONE

CONTI OIL CORPORATION

GERKEN LEASE

ALLEN COUNTY, KANSAS

WELL NO. 26

BARTLESVILLE SAND

DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE PERCENT POROSITY	AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT	AVERAGE PERMEABILITY, MILLIDARCYS
829.0 - 830.7	1.7	15.4	16.8	54.1	0.52
830.7 - 842.0	11.3	22.6	22.8	38.5	45.2
829.0 - 842.0	13.0	21.7	22.1	40.5	42.6

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 CHANUTE, KANSAS
 JUNE, 1982

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