

OILFIELD RESEARCH LABORATORIES

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

June 11, 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. 29, 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 9, 1982. At the request of the client, 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. 29
 Location _____
 Section 7 Twp. 26S Rge. 19E County Allen State Kansas

Elevation, Feet
 Name of Sand..... Bartlesville
 Top of Core 833.0
 Bottom of Core 851.1
 Top of Sand 833.0
 Bottom of Sand (Tested) 849.6
 Total Feet of Permeable Sand 8.7

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 10	5.9	5.9
10 - 28	2.8	8.7

Average Permeability Millidarcys 7.6
 Average Percent Porosity 17.6
 Average Percent Oil Saturation 18.3
 Average Percent Water Saturation..... 58.8
 Average Oil Content, Bbls./A. Ft. 271.
 Total Oil Content, Bbls./Acre..... 4,495.

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LOGName Conti Oil Corporation Lease Gerken Well No. 29

<u>Depth Interval, Feet</u>	<u>Description</u>
	<u>BARTLESVILLE SAND</u>
833.0 - 834.4	Light brown shaly sandstone.
834.4 - 834.8	Grayish light brown very shaly sandstone.
834.8 - 835.7	Gray shaly sandstone.
835.7 - 837.5	Grayish light brown very shaly sandstone.
837.5 - 843.0	Gray very shaly sandstone.
843.0 - 845.0	Grayish brown very shaly sandstone.
845.0 - 846.4	Grayish brown shaly sandstone.
846.4 - 849.2	Brown sandstone.
849.2 - 849.6	Brown slightly shaly sandstone.
849.6 - 850.0	Gray and brown finely laminated shale and sandstone.
850.0 - 850.7	Coal.
850.7 - 851.1	Gray shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE I-B

Company Conti Oil Corporation Lease Gerken Well No. 29

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	833.6	20.8	17	56	73	274	3.0	1.4	1.4	384	4.20
2	834.6	14.5	26	69	95	293	Imp.	0.4	1.8	117	0.00
3	835.4	16.4	5	59	64	64	2.6	0.9	2.7	58	2.34
4	836.6	18.3	16	73	89	227	Imp.	1.0	3.7	227	0.00
5	837.4	19.6	25	45	70	380	0.89	0.8	4.5	304	0.71
6	838.6	14.7	8	68	76	91	Imp.	1.5	6.0	137	0.00
7	839.5	13.1	13	73	86	132	Imp.	1.0	7.0	132	0.00
8	840.5	13.6	3	78	81	32	Imp.	1.0	8.0	32	0.00
9	841.6	13.4	1	80	81	10	Imp.	1.0	9.0	10	0.00
10	842.5	16.2	13	56	69	163	Imp.	1.0	10.0	163	0.00
11	843.6	16.0	11	72	83	137	Imp.	1.0	11.0	137	0.00
12	844.5	17.9	28	49	77	389	0.76	1.0	12.0	389	0.76
13	845.5	19.0	31	47	78	457	2.0	1.4	13.4	640	2.80
14	846.6	22.1	32	39	71	549	18.	0.8	14.2	439	14.40
15	847.6	22.3	32	38	70	554	27.	1.0	15.2	554	27.00
16	848.5	21.0	34	46	80	554	11.	1.0	16.2	554	11.00
17	849.4	21.3	33	42	75	545	8.3	0.4	16.6	218	3.32

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company Conti Oil Corporation Lease Gerken Well No. 29

BARTLESVILLE SAND

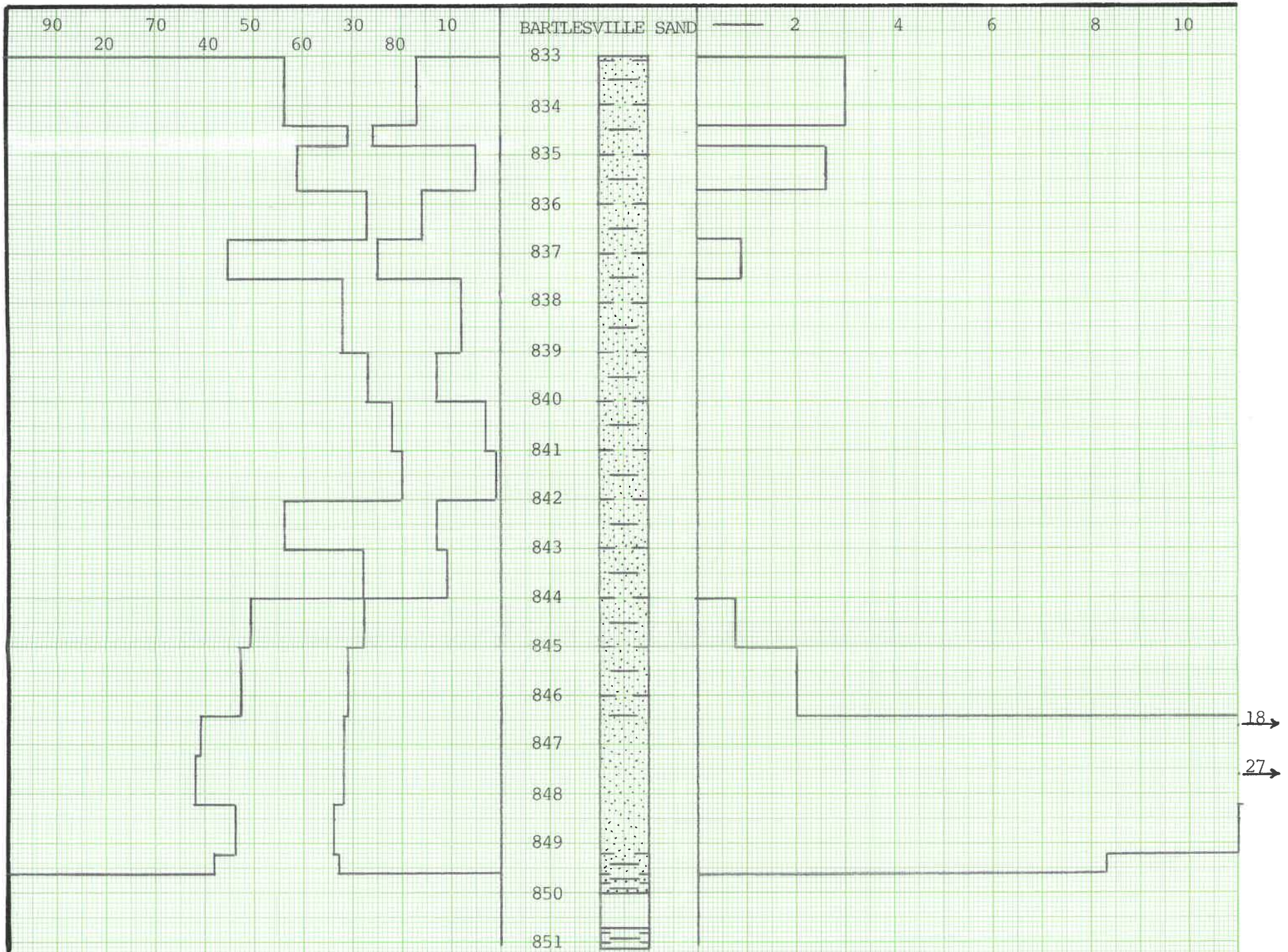
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
833.0 - 844.0	3.1	2.3	7.25
844.0 - 849.6	5.6	10.6	59.28
833.0 - 849.6	8.7	7.6	66.53

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
833.0 - 844.0	11.0	16.2	11.6	66.3	155	1,701
844.0 - 849.6	5.6	20.4	31.5	44.1	499	2,794
833.0 - 849.6	16.6	17.6	18.3	58.8	271	4,495

WATER SAT., PERCENT →

← OIL SAT., PERCENT

— PERMEABILITY, IN MILLIDARCYS



KEY:

- SANDSTONE
- SHALY SANDSTONE
- LAMINATED SHALE AND SANDSTONE
- COAL
- SHALE

CONTI OIL CORPORATION

GERKEN LEASE

WELL NO. 29

ALLEN COUNTY, KANSAS

DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE PERCENT POROSITY	AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT	AVERAGE PERMEABILITY, MILLIDARCYS
BARTLESVILLE SAND					
833.0 - 844.0	11.0	16.2	11.6	66.3	2.3
844.0 - 849.6	5.6	20.4	31.5	44.1	10.6
833.0 - 849.6	16.6	17.6	18.3	58.8	7.6

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CHANUTE, KANSAS
JUNE, 1982. BL