

OILFIELD RESEARCH LABORATORIES

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

April 22, 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 Corbett Lease, Well No. 7, located in Neosho County, Kansas.

The core was sampled by a representative of Oilfield Research Laboratories after being received unbagged in our laboratory. The client submitted the core on April 21, 1982.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES



Sanford A. Michel

SAM/kas

5 c to Chanute, Kansas

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company Conti Oil Corporation Lease Corbett Well No. 7
 Location _____
 Section 18 Twp. 27S Rge. 20E County Neosho State Kansas

Elevation, Feet

Name of Sand.....

Bartlesville

Top of Core

730.0

Bottom of Core

745.4

Top of Sand

730.0

Bottom of Sand

743.6

Total Feet of Permeable Sand

9.7

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

0 - 7

5.9

5.9

23 - 45

1.1

7.0

105 - 110

0.2

7.2

288 - 336

2.5

9.7

Average Permeability Millidarcys

85.1

Average Percent Porosity

15.1

Average Percent Oil Saturation

29.9

Average Percent Water Saturation.....

46.1

Average Oil Content, Bbls./A. Ft.

340.

Total Oil Content, Bbls./Acre.....

3,844.

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LOGName Conti Oil Corporation Lease Corbett Well No. 7

<u>Depth Interval, Feet</u>	<u>Description</u>
730.0 - 731.7	Brown sandstone.
731.7 - 732.6	Gray and brown laminated shale and sandstone.
732.6 - 732.8	Brown sandstone.
732.8 - 733.2	Gray and brown laminated shale and sandstone.
733.2 - 734.0	Gray very shaly sandstone.
734.0 - 735.0	Gray and brown laminated shale and sandstone.
735.0 - 735.8	Brown sandstone with scattered gray shale partings.
735.8 - 736.4	Gray shaly sandstone.
736.4 - 736.7	Brown sandstone.
736.7 - 737.1	Gray very shaly sandstone.
737.1 - 737.9	Dark brown sandstone.
737.9 - 739.0	Alternate layers gray shale and brown sandstone.
739.0 - 740.0	Grayish brown very shaly sandstone.
740.0 - 742.0	Grayish brown shaly sandstone.
742.0 - 743.6	Grayish brown very shaly sandstone.
743.6 - 745.4	Gray slightly sandy shale.

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Well No. 7

Company		Conti Oil Corporation		Lease		Corbett		Well No.		7	
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	730.6	21.8	11	51	62	186	288.	1.0	1.0	186	288.00
2	731.5	21.5	11	56	67	184	335.	0.7	1.7	129	234.50
3	732.7	19.4	24	33	57	361	108.	0.2	1.9	72	21.60
4	733.4	10.9	4	92	96	34	0.45	0.8	2.7	27	0.36
5	734.7	15.5	31	50	81	373	0.63	1.0	3.7	373	0.63
6	735.7	18.6	30	46	76	433	23.	0.8	4.5	346	18.40
7	736.6	15.8	33	40	73	405	44.	0.3	4.8	122	13.20
8	737.6	21.3	43	31	74	711	288.	0.8	5.6	569	230.40
9	738.7	12.0	53	30	83	493	4.2	1.1	6.7	542	4.62
10	739.4	10.6	28	62	90	230	Imp.	1.0	7.7	230	0.00
11	740.6	14.5	42	18	60	473	6.3	1.0	8.7	473	6.30
12	741.7	15.6	36	31	67	436	6.1	1.0	9.7	436	6.10
13	742.6	9.1	39	34	73	275	1.3	1.0	10.7	275	1.30
14	743.5	9.8	14	82	96	106	Imp.	0.6	11.3	64	0.00
Note: The core was received unbagged.											

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Conti Oil Corporation		Lease	Corbett		Well No.	7
	Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.			
	730.0 - 737.9	5.6	144.1	807.09			
	737.9 - 743.6	4.1	4.5	18.32			
	730.0 - 743.6	9.7	85.1	825.41			

	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
	730.0 - 737.9	5.6	18.1	22.5	52.5	326	1,824
	737.9 - 743.6	5.7	12.1	37.1	39.9	354	2,020
	730.0 - 743.6	11.3	15.1	29.9	46.1	340	3,844

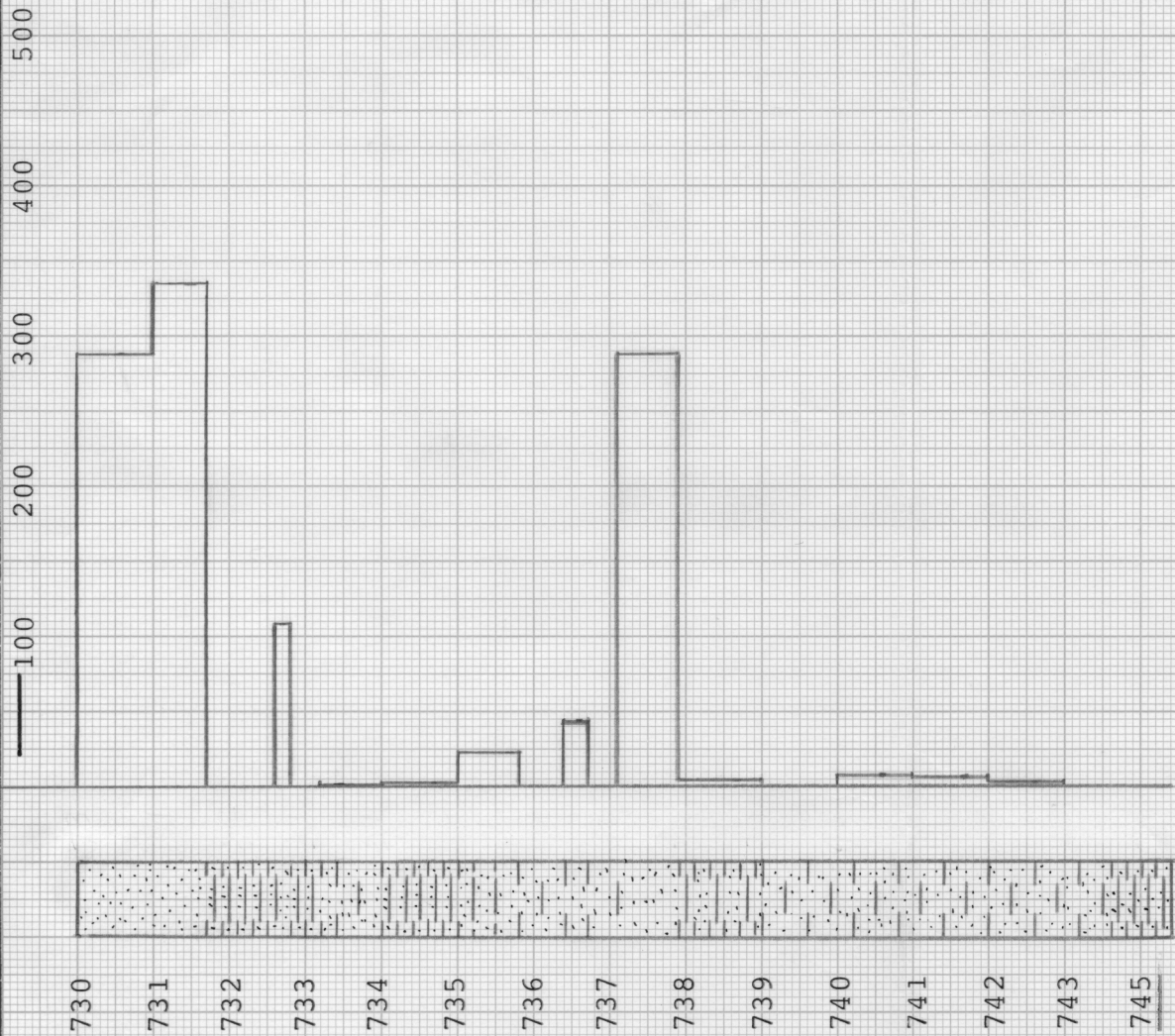
WATER SAT.,
PERCENT

→

←

OIL SAT.,
PERCENT

— PERMEABILITY, IN MILLIDARCYS



KEY:



SANDSTONE



SANDY SHALE



SHALY SANDSTONE



SANDSTONE WITH SHALE PARTINGS



LAMINATED SANDSTONE AND SHALE



ALTERNATE LAYERS OF SHALE AND SANDSTONE

CONTI OIL CORPORATION

CORBETT LEASE

WELL NO. 7

NEOSHO COUNTY, KANSAS

DEPTH INTERVAL,
FEET

FEET OF CORE
ANALYZED

AVERAGE
PERCENT
POROSITY

AVG. OIL
SATURATION
PERCENT

AVG. WATER
SATURATION
PERCENT

AVERAGE
PERMEABILITY,
MILLIDARCYS

730.0 - 737.9

5.6

18.1

22.5

52.5

144.1

737.9 - 743.6

5.7

12.1

37.1

39.9

4.5

730.0 - 743.6

11.3

15.1

29.9

46.1

85.1

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CHANUTE, KANSAS

APRIL, 1982

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