

OILFIELD RESEARCH LABORATORIES

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

January 14, 1980

Coral Petroleum Development, Inc.
P.O. Box 7
Elsmore, Kansas 66732

Gentlemen:

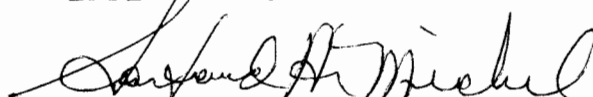
Enclosed herewith are the results of tests run on the rotary cores taken from the D.J. Daniels Lease, Well No. 11, Allen County, Kansas, and submitted to our laboratory on December 21, 1979.

These cores were sampled by a representative of Oilfield Research Laboratories.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES


Sanford A. Michel

SAM/tem
5 c to Elsmore, Kansas

Oilfield Research Laboratories
GENERAL INFORMATION & SUMMARY

Company Coral Petroleum Development, Inc. Lease D.J. Daniels Well No. 11
 Location 660' SNL & 660' EWL SE $\frac{1}{4}$
 Section 16 Twp. 26S Rge. 21E County Allen State Kansas

Elevation, Feet		
Name of Sand	<u>Upper</u> <u>Bartlesville</u>	<u>Lower</u> <u>Bartlesville</u>
Top of Core	610.0	698.0
Bottom of Core	632.5	710.8
Top of Sand	620.5	707.8
Bottom of Sand	628.0	710.8
Total Feet of Permeable Sand	4.0	2.1

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
<u>UPPER BARTLESVILLE SAND</u>		
0 - 5	2.9	2.9
20 & Above	1.1	4.0
<u>LOWER BARTLESVILLE SAND</u>		
0 - 4	0.8	0.8
9 & Above	1.3	2.1

Average Permeability Millidarcys	8.8	7.4
Average Percent Porosity	13.3	14.6
Average Percent Oil Saturation	38.0	26.4
Average Percent Water Saturation	41.7	48.0
Average Oil Content, Bbls./A. Ft.	410.	293.
Total Oil Content, Bbls./Acre	2,337.	879.

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LOGName Coral Petroleum Development, Inc. Lease D.J. DanielsWell No. 11

<u>Depth Interval, Feet</u>	<u>Description</u>
	<u>UPPER BARTLESVILLE SAND</u>
610.0 - 620.5	Gray shale.
620.5 - 622.2	Grayish brown very shaly sandstone.
622.2 - 624.0	Gray sandy shale.
624.0 - 626.1	Brown shaly sandstone.
626.1 - 627.2	Brown sandstone.
627.2 - 628.0	Brown shaly sandstone.
628.0 - 628.9	Gray sandy shale.
628.9 - 632.5	Rotten gray shale.
	<u>LOWER BARTLESVILLE SAND</u>
698.0 - 707.8	Gray shale.
707.8 - 709.1	Light brown slightly shaly sandstone.
709.1 - 710.0	Light brown shaly sandstone.
710.0 - 710.8	Black carbonaceous sandstone.

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company Coral Petroleum Development, Inc. Lease D.J. Daniels Well No. 11

Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
<u>UPPER BARTLESVILLE SAND</u>			
620.5 - 628.0	4.0	8.8	35.20
<u>LOWER BARTLESVILLE SAND</u>			
707.8 - 710.8	2.1	7.4	15.60

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
<u>UPPER BARTLESVILLE SAND</u>						
620.5 - 628.0	5.7	13.3	38.0	41.7	410	2,337
<u>LOWER BARTLESVILLE SAND</u>						
707.8 - 710.8	3.0	14.6	26.4	48.0	293	879