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

December 1, 1979

Remco Well Servicing
Rural Route 4
P.O. Box 67
Chanute, Kansas 66720

Gentlemen:

Enclosed herewith are the results of tests run on the rotary cores taken from the Dwayne Ashcraft Lease, Well No. 11, Neosho County, Kansas and submitted to our laboratory on November 12 & 13, 1979.

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

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Benjamin R. Pearman

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GENERAL INFORMATION & SUMMARY

Company Remco Well Servicing Lease Dwayne Ashcraft Well No. 11

Location 495' SNL & 165' WEL

Section 2 Twp. 29S Rge. 20E County Neosho State Kansas

Name of Sand	Peru
Top of Core	161.0
Bottom of Core	167.5
Top of Sand	161.0
Bottom of Sand (Tested)	165.2
Total Feet of Permeable Sand	4.2
Total Feet of Floodable Sand	

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
10 - 20	1.0	1.0
20 - 30	2.6	3.6
30 - 40	0.6	4.2

Average Permeability Millidarcys	23.2
Average Percent Porosity	18.0
Average Percent Oil Saturation	27.0
Average Percent Water Saturation	56.5
Average Oil Content, Bbls./A. Ft.	372.
Total Oil Content, Bbls./Acre	1,564.
Average Percent Oil Recovery by Laboratory Flooding Tests	
Average Oil Recovery by Laboratory Flooding Tests, Bbls./A. Ft.	
Total Oil Recovery by Laboratory Flooding Tests, Bbls./Acre	
Total Calculated Oil Recovery, Bbls./Acre	
Packer Setting, Feet	
Viscosity, Centipoises @	
A. P. I. Gravity, degrees @ 60 °F	
Elevation, Feet	

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GENERAL INFORMATION & SUMMARY

Company Remco Well Servicing Lease Dwayne Ashcraft Well No. 11

Location 495' SNL & 165' WEL

Section 2 Twp. 29S Rge. 20E County Neosho State Kansas

Name of Sand	Bartlesville
Top of Core	507.0
Bottom of Core	508.8
Top of Sand	507.0
Bottom of Sand	508.8
Total Feet of Permeable Sand	0.9
Total Feet of Floodable Sand	

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 – 1	0.9	0.9

Average Permeability Millidarcys	0.61
Average Percent Porosity	12.6
Average Percent Oil Saturation	22.9
Average Percent Water Saturation	61.3
Average Oil Content, Bbls./A. Ft.	229.
Total Oil Content, Bbls./Acre	366.
Average Percent Oil Recovery by Laboratory Flooding Tests	
Average Oil Recovery by Laboratory Flooding Tests, Bbls./A. Ft.	
Total Oil Recovery by Laboratory Flooding Tests, Bbls./Acre	
Total Calculated Oil Recovery, Bbls./Acre	
Packer Setting, Feet	
Viscosity, Centipoises @	
A. P. I. Gravity, degrees @ 60 °F	
Elevation, Feet	

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LOG

Name Remco Well Servicing Lease Dwayne Ashcraft Well No. 11

PERU SAND

Depth Interval, Feet	Description
161.0 - 161.6	Brown sandstone.
161.6 - 165.2	Light brown shaly sandstone containing a vertical fracture.
165.2 - 167.5	Gray shaly sandstone.

BARTLESVILLE SAND

507.0 - 507.7	Light brown shaly sandstone.
507.7 - 508.1	Dark sandy shale.
508.1 - 508.8	Light brown shaly sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Remco Well Servicing Lease Dwayne Ashcraft Well No. 11

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.		
						PERU SAND					
1	161.5	16.1	30	57	87	374	31.	0.6	0.6	224	18.60
2	162.5	19.4	24	56	80	360	24.	1.4	2.0	504	33.60
3	163.5	19.2	28	55	83	416	14.	1.0	3.0	416	14.00
4	164.5	16.1	28	58	86	350	26.	1.2	4.2	420	31.20
						BARTLESVILLE SAND					
1	507.5	13.8	28	54	82	300	Imp.	0.7	0.7	210	0.00
2	508.5	11.7	19	67	86	173	0.61	0.9	1.6	156	0.55

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company Remco Well Servicing Lease Dwayne Ashcraft Well No. 11

Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
	PERU SAND		
161.0 - 165.2	4.2	23.2	97.40
	BARTLESVILLE SAND		
507.0 - 508.8	0.9	0.61	0.55

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
			PERU SAND			
161.0 - 165.2	4.2	18.0	27.0	56.5	372	1,564
			BARTLESVILLE SAND			
507.0 - 508.8	1.6	12.6	22.9	61.3	229	366