



OILFIELD RESEARCH LABORATORIES

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

February 19, 1979

Bounty Petroleum
9117 Southwest 72nd Avenue
Miami, Florida 33156

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the McConnell Lease, Well No. A-6, Montgomery County, Kansas, and submitted to our laboratory on February 15, 1979.

The core was sampled and sealed in plastic bags by a representative of the client.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Benjamin R. Pearman
Benjamin R. Pearman

SAM:km
4 c to Miami, Florida
1 c to Independence, Kansas

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company Bounty Petroleum Lease McConnell Well No. A-6

Location NW SE SE

Section 17 Twp. 34S Rge. 15E County Montgomery State Kansas

Name of Sand - - - - - Bartlesville

Top of Core - - - - - 1148.0

Bottom of Core - - - - - 1172.7

Top of Sand - - - - - 1151.5

Bottom of Sand - - - - - 1172.7

Total Feet of Permeable Sand - - - - - 21.2

Total Feet of Floodable Sand - - - - -

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

0 - 50	10.7	10.7
50 - 100	8.5	19.2
100 - 150	2.0	21.2

Average Permeability Millidarcys - - - - - 53.4

Average Percent Porosity - - - - - 18.1

Average Percent Oil Saturation - - - - - 15.9

Average Percent Water Saturation - - - - - 60.4

Average Oil Content, Bbls./A. Ft. - - - - - 222.

Total Oil Content, Bbls./Acre - - - - - 4,709.

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 - - - - -

OILFIELD RESEARCH LABORATORIES

LOG

Company Bounty Petroleum Lease McConnell Well No. A-6

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
1148.0 - 1151.5	Gray sandy shale.
1151.5 - 1160.8	Gray sandstone.
1160.8 - 1172.7	Brown sandstone.

Oilfield Research Laboratories
RESULTS OF PERMEABILITY TESTS
TABLE I

Company Bounty Petroleum Lease McConnell Well No. A-6

Vertical

Sample No.	Depth Feet	Permeability Millidarcys	Feet of Core		Permeability Capacity Ft. x Md.
			Ft.	Cum. Ft.	
1	1152.5	3.9			
2	1153.5	36.			
3	1154.5	17.			
4	1155.5	18.			
5	1156.5	28.			
6	1157.5	57.			
7	1158.5	12.			
8	1159.5	5.5			
9	1160.5	38.			
10	1161.5	21.			
11	1162.5	29.			
12	1163.5	113.			
13	1164.5	23.			
14	1165.5	84.			
15	1166.5	19.			
16	1167.5	81.			
17	1168.5	18.			
18	1169.5	19.			
19	1170.5	60.			
20	1171.5	105.			
21	1172.5	115.			

Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company			Bounty Petroleum			Lease			McConnell			Well No.			A-6		
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	1152.5	19.4	3	78	81	45	19.	1.5	1.5	68	28.50						
2	1153.5	19.6	6	66	72	91	58.	1.0	2.5	91	58.00						
3	1154.5	18.8	11	64	75	160	26.	1.0	3.5	160	26.00						
4	1155.5	19.7	5	71	76	76	75.	1.0	4.5	76	75.00						
5	1156.5	19.4	6	66	72	90	52.	1.0	5.5	90	52.00						
6	1157.5	17.6	3	75	78	41	88.	1.0	6.5	41	88.00						
7	1158.5	17.0	13	62	75	172	43.	1.0	7.5	172	43.00						
8	1159.5	16.7	12	65	77	156	11.	1.0	8.5	156	11.00						
9	1160.5	19.3	8	67	75	120	57.	0.8	9.3	96	45.60						
10	1161.5	18.1	8	60	68	112	27.	1.2	10.5	134	32.40						
11	1162.5	17.9	21	49	70	292	28.	1.0	11.5	292	28.00						
12	1163.5	20.0	26	62	88	403	137.	1.0	12.5	403	137.00						
13	1164.5	17.5	21	59	80	285	44.	1.0	13.5	285	44.00						
14	1165.5	17.3	19	62	81	255	78.	1.0	14.5	255	78.00						
15	1166.5	17.5	23	53	76	312	65.	1.0	15.5	312	65.00						
16	1167.5	17.5	19	55	74	258	46.	1.0	16.5	258	46.00						
17	1168.5	17.4	23	49	72	311	29.	1.0	17.5	311	29.00						
18	1169.5	17.0	28	52	80	369	30.	1.0	18.5	369	30.00						
19	1170.5	18.6	28	46	74	404	53.	1.0	19.5	404	53.00						
20	1171.5	18.2	29	47	76	410	113.	1.0	20.5	410	113.00						
21	1172.5	18.2	33	51	84	466	71.	0.7	21.2	326	49.70						

Oilfield Research Laboratories

SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company		Lease		Well No.	
Bounty Petroleum		McConnell		A-6	
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.		
1151.5 - 1162.0	10.5	43.8	459.50		
1162.0 - 1172.7	10.7	62.9	672.70		
1151.5 - 1172.7	21.2	53.4	1132.20		

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
1151.5 - 1162.0	10.5	18.2	7.3	67.8	103	1,084
1162.0 - 1172.7	10.7	17.9	24.3	53.2	339	3,625
1151.5 - 1172.7	21.2	18.1	15.9	60.4	222	4,709