



OILFIELD RESEARCH LABORATORIES

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

June 4, 1979

Brandes Oil Company
% Wilkins & Wilkins
507 E. Main Street
Chanute, Kansas 66720

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Rubow Lease, Well No. B-7, Wilson County, Kansas, and submitted to our laboratory on May 26, 1979.

This 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

BRP:km
5 c to Chanute, Kansas

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GENERAL INFORMATION & SUMMARY

Company Brandes Oil Company Lease Rubow Well No. B-7

Location 1 230' FNL & 275' FEL

Section 6 Twp. 27S Rge. 17E County Wilson State Kansas

Name of Sand	Squirrel
Top of Core	808.0
Bottom of Core	824.1
Top of Sand	815.3
Bottom of Sand	824.1
Total Feet of Permeable Sand	3.7
Total Feet of Floodable Sand	

Distribution of Permeable Sand:
Permeability Range
Millidarcys

	Feet	Cum. Ft.
0 - 1	2.0	2.0
1 & Above	1.7	3.7

Average Permeability Millidarcys	2.1
Average Percent Porosity	15.6
Average Percent Oil Saturation	33.9
Average Percent Water Saturation	43.8
Average Oil Content, Bbls./A. Ft.	415.
Total Oil Content, Bbls./Acre	2,367.
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 Brandes Oil Company Lease Rubow Well No. B-7

<u>Depth Interval, Feet</u>	<u>Description</u>
808.0 - 815.3	Dark gray shale.
815.3 - 819.1	Brown and gray laminated sandstone and shale.
819.1 - 819.7	Gray shale.
819.7 - 820.2	Light brown slightly shaly sandstone.
820.2 - 820.7	Brown very shaly sandstone.
820.7 - 821.1	Gray sandy shale.
821.1 - 821.6	Brown and gray laminated sandstone and shale.
821.6 - 823.7	Gray sandy shale.
823.7 - 824.1	Brown and gray laminated sandstone and shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Brandes Oil Company Lease Rubow Well No. B-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	815.5	11.2	25	70	95	217	0.19	0.6	0.6	130	0.11
2	816.3	16.5	35	37	72	448	0.28	0.9	1.5	403	0.25
3	817.4	16.9	38	34	72	498	4.0	1.2	2.7	598	4.80
4	818.5	17.1	32	45	77	425	Imp.	1.1	3.8	468	0.00
5	819.8	14.6	23	51	74	261	4.7	0.5	4.3	131	2.35
6	820.5	15.3	44	39	83	522	0.57	0.5	4.8	261	0.29
7	821.3	14.9	30	45	75	347	Imp.	0.5	5.3	174	0.00
8	823.9	14.8	44	41	85	505	Imp.	0.4	5.7	202	0.00

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Brandes Oil Company		Lease	Rubow	Well No.	B-7
Depth Interval, Feet	Feet of Core Analyzed	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.		
815.3 - 824.1	3.7	2.1	7.80			
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
815.3 - 824.1	5.7	15.6	33.9	43.8	415	2,367