



OILFIELD RESEARCH LABORATORIES

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

June 22, 1979

Beckett Oil Company
620 E. Carpenter
Iola, Kansas 66749

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Teats Lease, Well No. 7, Allen County, Kansas, and submitted to our laboratory on June 19, 1979.

The core was sampled by a representative of Oilfield Research Laboratories after being received in the laboratory.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Benjamin R. Pearman
Benjamin R. Pearman

SAM:km
5 c to Iola, Kansas

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company Beckett Oil Company Lease Teats Well No. 7

Location NW SE

Section 36 Twp. 24S Rge. 17E County Allen State Kansas

Name of Sand - - - - - Squirrel

Top of Core - - - - - 815.0

Bottom of Core - - - - - 824.0

Top of Sand - - - - - 815.0

Bottom of Sand - - - - - 824.0

Total Feet of Permeable Sand - - - - - 9.0

Total Feet of Floodable Sand - - - - -

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

0 - 10

4.0

4.0

10 - 50

3.0

7.0

50 - 150

2.0

9.0

Average Permeability Millidarcys - - - - - 32.5

Average Percent Porosity - - - - - 17.6

Average Percent Oil Saturation - - - - - 47.9

Average Percent Water Saturation - - - - - 19.3

Average Oil Content, Bbls./A. Ft. - - - - - 657.

Total Oil Content, Bbls./Acre - - - - - 5,917.

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

Company Beckett Oil Company Lease Teats Well No. 7

Depth Interval,
Feet

Description

815.0 - 824.0

Brown and gray laminated sandstone and shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Beckett Oil Company Lease Tcats 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	815.5	20.6	47	15	62	751	149.	1.0	1.0	751	148.00
2	816.5	15.9	43	23	66	530	4.0	1.0	2.0	530	4.00
3	817.5	19.1	47	13	60	696	5.0	1.0	3.0	696	5.00
4	818.5	19.9	51	14	65	787	19.	1.0	4.0	787	19.00
5	819.5	14.4	42	31	73	469	3.6	1.0	5.0	469	3.60
6	820.5	19.1	51	12	63	756	23.	1.0	6.0	756	23.00
7	821.5	18.9	49	15	64	719	15.	1.0	7.0	719	15.00
8	822.5	10.4	47	40	87	379	1.0	1.0	8.0	379	1.00
9	823.5	19.8	54	11	65	830	74.	1.0	9.0	830	74.00

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Beckett Oil Company		Lease	Teats		Well No.	7
	Depth Interval, Feet	Feet of Core Analyzed		Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.		
	815.0 - 824.0	9.0		32.5	292.60		

	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
	815.0 - 824.0	9.0	17.6	47.9	19.3	657	5,917