



OILFIELD RESEARCH LABORATORIES

536 NORTH HIGHLAND - CHANUTE, KANSAS - PHONE HE1-2650

700 NORTH MISSION - OKMULGEE, OKLAHOMA - PHONE SK6-4444

Chanute, Kansas

July 22, 1965

Fred E. Wood & Associates
Suite 204, 200 Sixteenth Street
Denver, Colorado

Gentlemen:

Attached hereto are the results of tests run on the Scott Lease, Well No. 46-CEJ, Wilson County, Kansas, and submitted to our laboratory on July 20, 1965.

This core was sampled and the samples 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:rf

4 c. - Denver, Colorado
1 c. - A. W. Bailey

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company Fred E. Wood & Associates Lease Scott Well No. 46-CEJ

Location SE $\frac{1}{4}$

Section 33 Twp 30 S Rge. 16 E County Wilson State Kansas

Name of Sand - - - - - Bartlesville

Top of Core - - - - - 776.0

Bottom of Core - - - - - 787.0

Top of Sand - - - - - (Tested) 776.0

Bottom of Sand - - - - - 783.6

Total Feet of Permeable Sand - - - - - 7.6

Total Feet of Floodable Sand - - - - -

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

0 - 1	2.0	2.0
1 - 10	4.6	6.6
10 & above	1.0	7.6

Average Permeability Millidarcys - - - - - 6.4

Average Percent Porosity - - - - - 15.2

Average Percent Oil Saturation - - - - - 48.6

Average Percent Water Saturation - - - - - 34.2

Average Oil Content, Bbls./A. Ft. - - - - - 601.

Total Oil Content, Bbls./Acre - - - - - 5,777.

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 Fred E. Wood & Assoc. Lease Scott Well No. 46-CEJ

Depth Interval, Description
Feet

776.0 - 782.6 - Brown, laminated, slightly shaly sandstone.

782.6 - 783.6 - Laminated sandstone and shale.

783.6 - 787.0 - Sandy shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Fred E. Wood & Associates Lease Scott Well No. 46-CEJ

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	776.1	17.1	43	25	68	570	1.1	0.6	0.6	342	0.66
2	777.1	18.6	43	27	70	620	2.0	1.5	2.1	930	3.00
3	779.1	18.4	57	16	73	813	8.3	1.5	3.6	1,220	12.45
4	780.1	20.6	66	12	78	1057	23.	1.0	4.6	1,057	23.00
5	781.1	15.3	77	19	96	912	8.0	1.0	5.6	912	8.00
6	782.1	10.4	54	38	92	435	0.89	1.0	6.6	435	0.89
7	783.1	14.0	53	34	87	575	0.22	1.0	7.6	575	0.22
8	784.1	9.7	23	71	94	173	Imp.	1.0	8.6	173	0.00
9	785.1	9.5	18	75	93	133	Imp.	1.0	9.6	133	0.00
Total-----								-----		5,777	