

OILFIELD RESEARCH LABORATORIES

813 EAST SIXTH
OKMULGEE, OKLAHOMA
PHONE: 4444

- REGISTERED ENGINEERS -

Chanute, Kansas

536 N. HIGHLAND
CHANUTE, KANSAS
PHONE: 726

February 8, 1961

Thomas Oil Company
1329 North Ninth
Independence, Kansas

Gentlemen:

Enclosed herewith are the results of tests run on the 3" Rotary core taken from the Coleman "B" Lease, Well No. 1, Labette County, Kansas, and submitted to our laboratory on February 4, 1961.

This core was sampled and the samples were submitted to our laboratory by Mr. Jack Thomas.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Fred O. Stenger
Fred O. Stenger

FOS:db

5 c.

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GENERAL INFORMATION & SUMMARY

Company Thomas Oil Company Lease Coleman "B" Well No. 1

Location _____

Section 2 Twp. 33 S Rge. 17 E County Labette State Kansas

Name of Sand - - - - - Bartlesville

Top of Core - - - - - 759.0

Bottom of Core - - - - - 786.0

Good
Top of Sand - - - - - 762.5

Good
Bottom of Sand - - - - - 782.2

Total Feet of Permeable Sand - - - - - 18.4

Total Feet of Floodable Sand - - - - - -

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

0 - 5	10.3	10.3
5 - 10	5.0	15.3
10 & above	3.1	18.4

Average Permeability Millidarcys - - - - - 5.7

Average Percent Porosity - - - - - 17.9

Average Percent Oil Saturation - - - - - 16.0

Average Percent Water Saturation - - - - - 64.7

Average Oil Content, Bbls./A. Ft. - - - - - 229.

Total Oil Content, Bbls./Acre - - - - - 5,063.

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 - - - - -

LOGCompany Thomas Oil Company Lease Coleman "B" Well No. 1Depth Interval, Description
Feet

759.0 - 761.0 - Gray shaley sandstone.

761.0 - 762.5 - Gray shaley sandstone.

762.5 - 764.5 - Brownish gray fine grained shaley sandstone.

764.5 - 767.3 - Light brown fine grained sandstone.

767.3 - 770.6 - Gray laminated shaley sandstone.

770.6 - 772.0 - Light brown fine grained sandstone.

772.0 - 772.5 - Gray laminated shaley sandstone.

772.5 - 773.6 - Brown fine grained sandstone.

773.6 - 775.4 - Gray laminated shaley sandstone.

775.4 - 776.3 - Brown fine grained sandstone.

776.3 - 779.9 - Gray shaley sandstone containing some thin brown sandstone layers.

779.9 - 782.2 - Brown fine grained sandstone.

782.2 - 786.0 - Gray laminated shaley sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Thomas Oil Company Lease Coleman "B" Well No. 1

Sample No.	Depth, Feet	Effective Porosity Percent	Percent Saturation			Oil Content H ₂ O / A Ft.	Perm., Mill.	Feet of Sand		Total Oil Content	Perm. Capacity Ft. X md.
			Oil	Water	Total			Ft.	Cum. Ft.		
1	762.1	16.2	7	76	83	88	0.77	1.0	1.0	88	0.77
2	763.1	16.0	14	75	89	174	3.1	1.1	2.1	191	3.41
3	764.1	20.7	17	57	74	273	9.5	0.9	3.0	246	8.55
4	765.1	20.1	21	51	72	328	13.	1.1	4.1	361	14.30
5	766.1	20.4	20	51	71	317	7.4	1.0	5.1	317	7.40
6	767.1	21.2	19	44	63	312	2.2	0.7	5.8	218	1.54
7	768.1	13.0	16	76	92	161	Imp.	1.3	7.1	209	0.00
8	769.1	12.2	17	74	91	161	Imp.	1.0	8.1	161	0.00
9	770.1	15.6	10	80	90	122	0.33	1.0	9.1	122	0.33
10	771.1	19.8	16	53	69	246	9.1	1.4	10.5	344	12.74
11	772.1	17.0	12	74	86	158	1.1	0.5	11.0	79	0.55
12	773.1	19.7	23	51	74	352	13.	1.1	12.1	387	14.30
13	774.1	16.7	12	76	88	156	0.99	1.0	13.1	156	0.99
14	775.1	16.3	11	80	91	139	1.2	0.8	13.9	111	0.96
15	776.1	21.3	18	51	69	298	22.	0.9	14.8	268	19.80
16	777.1	16.5	13	76	89	167	3.1	1.3	16.1	217	4.03
17	778.1	16.3	10	78	88	127	2.2	1.0	17.1	127	2.20
18	779.1	17.9	15	68	83	208	1.6	1.3	18.4	270	2.08
19	780.1	21.6	27	45	72	453	6.2	0.7	19.1	317	4.34
20	781.1	21.5	25	48	73	417	5.6	1.0	20.1	417	5.60
21	782.1	20.9	24	45	69	390	0.79	0.6	20.7	234	0.47
22	783.1	17.1	12	75	87	159	Imp.	1.4	22.1	223	0.00

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III - B

Company		Lease		Well No.	
Thomas Oil Company		Coleman "B"		1	
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, mDarcy	Permeability Capacity Ft. x Md.		
761.5 - 767.3	5.8	6.2	35.97		
769.6 - 782.2	12.6	5.4	68.39		
761.5 - 782.2	18.4	5.7	104.36		

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 Bbl./Acre
761.5 - 769.6	8.1	17.1	16.3	64.2	221	1,791
769.6 - 783.6	14.0	18.3	15.8	64.8	234	3,272
761.5 - 783.6	22.1	17.9	16.0	64.7	229	5,063