

OILFIELD RESEARCH LABORATORIES

813 EAST SIXTH
OKMULGEE, OKLAHOMA
PHONE 1486

- REGISTERED ENGINEERS -

Chanute, Kansas

536 N. HIGHLAND
CHANUTE, KANSAS
PHONE 728

September 15, 1959

9-34-15E
Tyrone Oil
c/o Mr. C.L. Wheeler
P.O. Box 610
Tyro, Kansas

Gentlemen:

Enclosed herewith are the results of tests run on the Cable Tool core taken from the Bachman Lease, Well No. 1, Montgomery County, Kansas, and submitted to our laboratory on September 10 & 11, 1959.

This core was sampled and the samples were sealed in cans by a representative of Oilfield Research Laboratories.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Carl L. McElrea
Carl L. McElrea

CLM:cs

4 c.

Bachman

GENERAL INFORMATION & SUMMARY

[illegible]

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LOGCompany Tyrone Oil Lease Bachman Well No. 1

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
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1228.0 - 1230.3	- Brown fine grained micaceous sandstone.
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1230.3 - 1232.0	- Brown fine grained micaceous slightly carbonaceous sandstone.
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1232.0 - 1232.8	- Gray sandy shale.
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1232.8 - 1234.0	- Light brown fine grained micaceous sandstone.
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1234.0 - 1234.8	- Gray sandy shale.
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1234.8 - 1236.3	- Brown fine grained micaceous sandstone.
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1236.3 - 1236.4	- Dark shale.
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1236.4 - 1241.5	- Brown fine grained micaceous sandstone.
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1241.5 - 1244.0	- Brown fine grained micaceous slightly laminated carbonaceous sandstone.
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RESULTS OF SATURATION TESTS

TABLE II

Company Tyron Oil Lease Bachman Well No. 1

Sat. No.	Depth, Feet	Effective Porosity Percent	Percent Saturation			Oil Content Bbls./A. Ft.	Feet of Core		Total Oil Content Bbls./Acre
			Oil	Water	Total		Ft.	Cum. Ft.	
1	1228.1	19.2	22	46	68	328	0.6	0.6	198
2	1229.1	19.9	28	48	76	433	1.0	1.6	433
3	1230.1	20.2	25	50	75	392	0.7	2.3	274
4	1231.1	19.0	20	51	71	295	1.7	4.0	502
5	1233.5	18.0	21	56	77	294	1.0	5.0	294
6	1235.1	20.1	21	58	79	328	0.8	5.8	262
7	1236.1	18.0	21	62	83	294	0.7	6.5	206
8	1237.1	19.5	19	65	84	288	1.2	7.7	348
9	1238.1	19.0	25	59	84	368	1.0	8.7	368
10	1239.1	21.2	8	62	70	132	1.0	9.7	132
11	1240.1	21.8	17	69	86	288	1.0	10.7	288
12	1241.1	20.2	19	60	79	298	0.9	11.6	268
13	1242.1	20.0	9	70	79	140	1.1	12.7	154
14	1243.1	19.7	9	64	73	138	1.4	14.1	193
							Total	- - - -	-3,920

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company Tyrone Oil Lease Bachman Well No. 1

Depth Interval,
Feet

Feet of Core
Analyzed

Average
Permeability,
Millidarcys

Permeability
Capacity
Ft. x Md.

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

1228.0 - 1244.0

14.1

19.7

18.3

58.9

278

3,920