



OILFIELD RESEARCH LABORATORIES

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

March 27, 1968

N & B Enterprises
Box 229
Chanute, Kansas 66720

Gentlemen:

Enclosed herewith are the results of tests run on the Rotary core taken from the M. Chambers Lease, Well No. 2, Woodson County, Kansas, and submitted to our laboratory on March 25, 1968.

This core is from a virgin territory and was out one hour before being sampled. The core was sampled and the samples were sealed in tin cans by a representative of Oilfield Research Laboratories.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Carl L. Pate

CLP:bjo

4 c. - N & B Enterprises
1 c. - Jim Guinotte

7-25-10E

M. Chambers 2

GENERAL INFORMATION & SUMMARY

Section 7 Twp 25S Rng 16E County Woodson State Kansas

Name of Band	Squirrel
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Total	957.0
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Bottom of Core	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	977.0
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Top of Sand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	957.2
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Bottom of Sand	- - - - -	972.9
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Total Feet of Permeable Sand	13.7
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Total Feet of Floodable Sand - - - - -

Distribution of Permeable Sand:
Permeability Range
Mildarens

Text

Суд. П.

0 - 20

2.9

2.9

20 - 40

2.4

5.3

40 - 80

5.4

10.7

80 & above

3.0

13.7

Average Permeability Millidarcys	-	+	+	-	-	-	-	+	-	+	+	50.8
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Average Percent Parosity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.0
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Average Percent Oil Saturation	- - - - -	58.0
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Average Percent Water Saturation	- - - - -	21.3
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Average Oil Content, Hbls./A. Fl.	- - + + + - - - - -	853.
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Total Oil Content, Bbls./Acre	- - - - -	11,680.
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Average Percent Oil Recovery by Laboratory Flooding Tests - * * * *

Average Oil Recovery by Laboratory Flooding Tests, Hbld./A. Ft. - - - - -

Total Oil Recovery by Laboratory Flooding Tests, Bbls./Acre * - - - - -

Total Calculated Oil Recovery, Bbl./Acre - - - - -

Packer Setting Feet - - - - -

Viscosity, Centipoises @

A. P. I Gravity, degrees @ 60 °F -

Elevation, Feet

- LOG -

Company N & B Enterprises Lease M. Chambers Well No. 2

Depth Interval, Description
Feet

957.0 - 957.2 - Sandy shale.

957.2 - 964.0 - Dark brown slightly laminated shaly sandstone.

964.0 - 969.0 - Dark brown sandstone.

969.0 - 969.6 - Alternate layers of sandstone and shale.

969.6 - 972.0 - Dark shaly sandstone.

972.0 - 972.9 - Dark brown carbonaceous shaly sandstone.

972.9 - 977.0 - Sandy shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company N & B Enterprises Lease M. Chambers Well No. 2

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	957.5	17.6	57	14	71	778	57.	0.6	0.6	473	34.20
2	958.1	18.7	58	17	75	841	53.	0.8	1.4	673	42.40
3	959.1	19.5	53	18	71	802	31.	1.0	2.4	802	31.00
4	960.1	17.4	52	22	74	702	16.	1.0	3.4	702	16.00
5	961.1	15.9	52	40	92	642	12.	1.0	4.4	642	12.00
6	962.1	19.3	57	22	79	853	77.	1.0	5.4	853	77.00
7	963.1	17.7	56	27	83	769	21.	1.4	6.8	1077	29.40
8	964.1	19.3	57	18	75	853	46.	0.6	7.4	512	27.60
9	965.1	20.4	64	14	78	1013	101.	1.0	8.4	1013	101.00
10	966.1	19.3	51	22	73	764	53.	1.0	9.4	764	53.00
11	967.1	20.8	66	14	80	1065	81.	1.0	10.4	1065	81.00
12	968.1	20.3	59	22	81	930	54.	1.4	11.8	1302	75.60
13	969.8	22.7	58	19	77	1022	115.	1.0	12.8	1022	115.00
14	972.8	15.5	72	22	94	866	0.22	0.9	13.7	780	0.20

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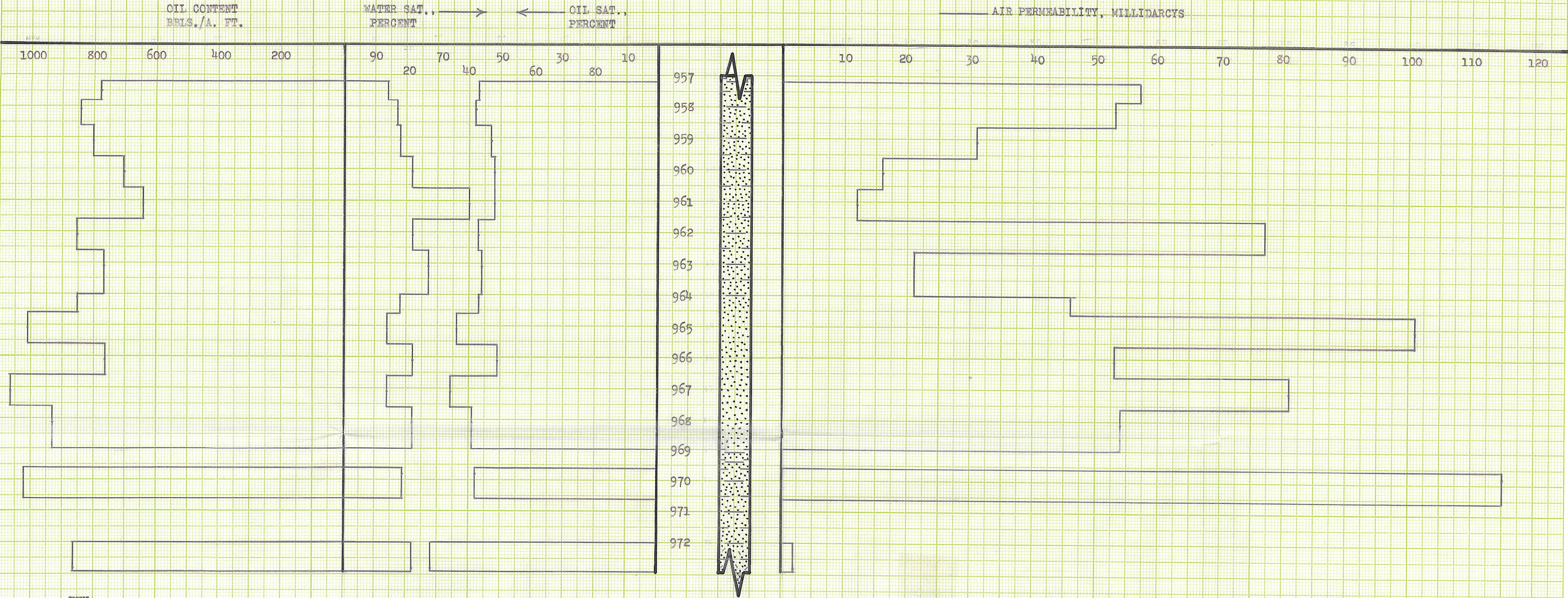
SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company N & B Enterprises Lease M. Chambers Well No. 2

Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
957.2 - 964.0	6.8	35.6	242.00
964.0 - 972.9	6.9	65.7	453.40
957.2 - 972.9	13.7	50.8	695.40

Depth Interval, Feet	Feet of Core Analyzed	Average Percent Porosity	Average Percent Oil Saturation	Average Percent Water Saturation	Average Oil Content Hbl./A. Ft.	Total Oil Content Hbls./Acre
975.2 - 964.0	6.8	18.0	54.9	23.8	768.	5,222.
964.0 - 972.9	6.9	19.9	61.0	18.9	936.	6,458.
957.2 - 972.9	13.7	19.0	58.0	21.3	853.	11,680.



KEY: SANDSTONE SHALY SANDSTONE CARBONACEOUS SHALY SANDSTONE ALTERNATE LAYERS OF SANDSTONE & SHALE SANDY SHALE

N. 8 B. ENTERPRISES

M. CHAMBERS LEASE WELL NO. 2
WOODSON COUNTY, KANSAS

DEPTH INTERVAL FEET	FEET OF CORE ANALYZED	AVERAGE POROSITY PERCENT	AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT	AVG. OIL CONTENT BBLs./A. FT.	TOTAL OIL CONTENT BBLs./ACRE	AVG. AIR PERMEABILITY MILLIDARCYS
957.2 - 964.0	6.8	18.0	54.9	23.8	768.	5,222.	35.6
964.0 - 972.9	6.9	19.9	61.0	18.9	936.	6,458.	65.7
957.2 - 972.9	13.7	19.0	58.0	21.3	853.	11,680.	50.8

OILFIELD RESEARCH LABORATORIES
CHANUTE, KANSAS
MARCH, 1968

STANDARD CROSS SECTION MILLIMETER KEUFFEL & ESSER CO. MADE IN U.S.A.