

OILFIELD RESEARCH LABORATORIES

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

April 30, 1968

1-25-100E
N & B Enterprises
Box 229
Chanute, Kansas 66720

Gentlemen:

Enclosed herewith are the results of tests run on the Rotary core taken from the Chambers Lease, Well No. 3, Woodson County, Kansas, and submitted to our laboratory on April 27, 1968.

This core is from a virgin territory and 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

Carl L. Pate

CLP:bjo

5 c. - Chanute, Kansas

Chambers 3

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company N & B Enterprises Lease Chambers Well No. 3

Location NW, NE, NE

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

Name of Sand - - - - - Lower Squirrel

Top of Core - - - - - 961.0

Bottom of Core - - - - - 979.0

Top of Sand - (Cored) - - - - - 961.0

Bottom of Sand - - - - - 971.9

Total Feet of Permeable Sand - - - - - 8.5

Total Feet of Floodable Sand - - - - -

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

0 - 50	3.1	3.1
50 - 100	2.3	5.4
100 & above	3.1	8.5

Average Permeability Millidarcys - - - - - 89.8

Average Percent Porosity - - - - - 20.5

Average Percent Oil Saturation - - - - - 56.0

Average Percent Water Saturation - - - - - 14.4

Average Oil Content, Bbls./A. Ft. - - - - - 892.

Total Oil Content, Bbls./Acre - - - - - 7,574.

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 - - - - -

OILFIELD RESEARCH LABORATORIES

- LOG -

Company N & B Enterprises Lease Chambers Well No. 3

Depth	Interval,	Description
<u>Feet</u>	<u>Feet</u>	

961.0	- 962.6	- Dark brown slightly laminated shaly sandstone.
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962.6	- 963.3	- Laminated sandy shale.
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963.3	- 965.2	- Dark brown sandstone.
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965.2	- 966.3	- Dark brown laminated shaly sandstone.
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966.3	- 967.8	- Dark brown slightly laminated shaly sandstone.
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967.8	- 972.4	- Alternate layers of gray shale and brown sandstone.
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972.4	- 979.0	- Sandy shale.
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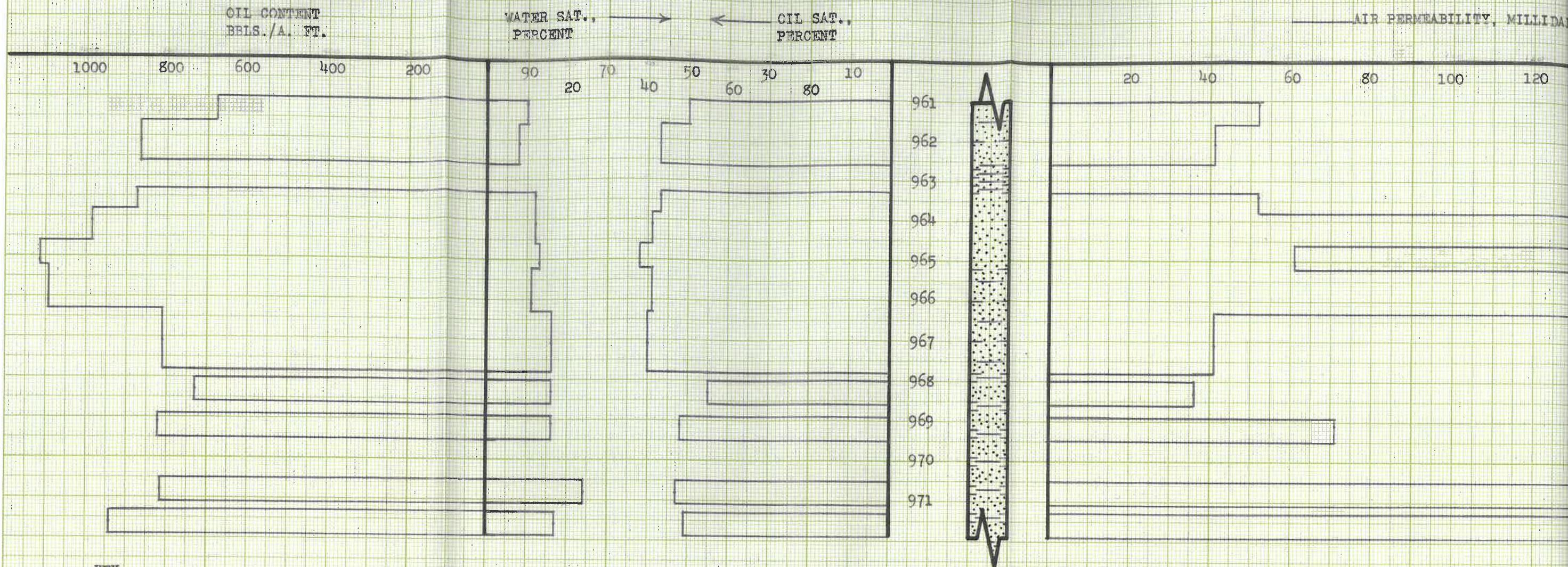
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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company N & B Enterprises Lease Chambers Well No. 3

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	961.1	17.5	50	10	60	679	52.	0.6	0.6	402	31.20
2	962.1	19.6	57	8	65	867	41.	1.0	1.6	867	41.00
3	963.4	19.8	57	12	69	876	52.	0.5	2.1	438	26.00
4	964.1	21.6	59	12	71	989	135.	0.8	2.9	791	108.00
5	965.1	23.2	62	13	75	1117	61.	0.6	3.5	670	36.60
6	966.1	23.9	59	11	70	1093	163.	1.1	4.6	1203	179.25
7	967.1	17.4	60	16	76	810	41.	1.5	6.1	1215	61.50
8	968.3	20.9	45	16	61	730	36.	0.6	6.7	438	21.60
9	969.1	20.4	52	16	68	823	71.	0.6	7.3	494	42.60
10	970.8	19.9	53	24	77	818	181.	0.6	7.9	491	108.60
11	971.6	23.8	51	17	68	942	178.	0.6	8.5	565	106.75

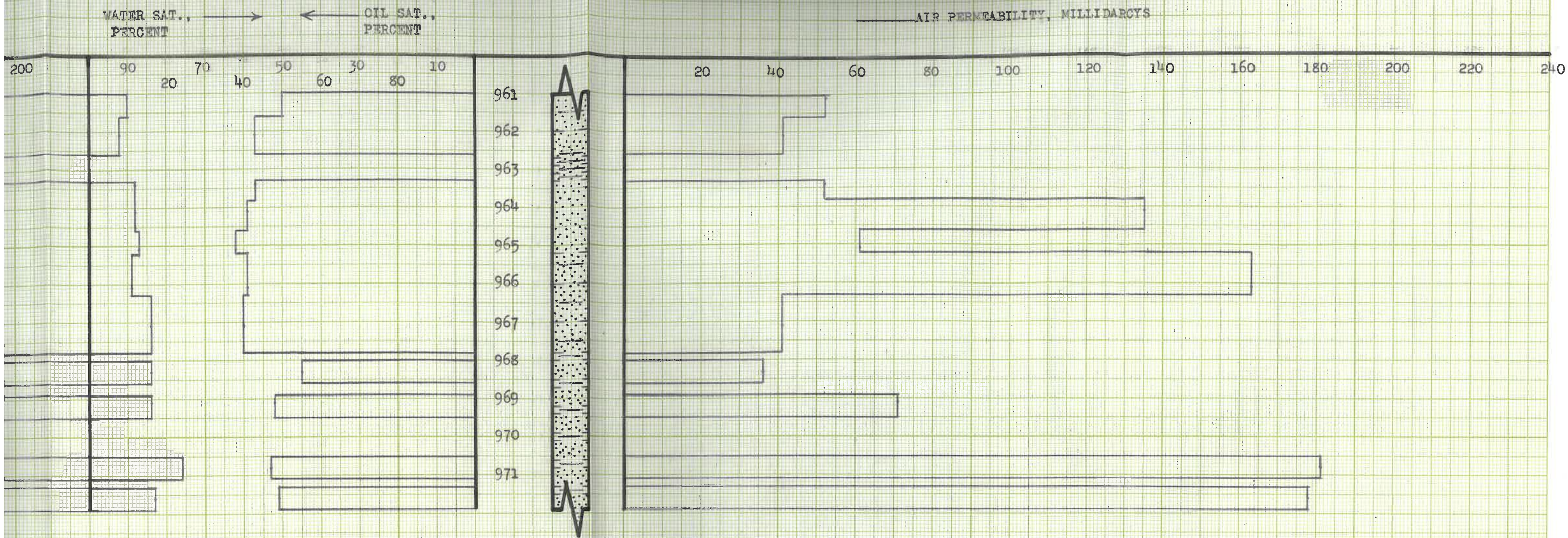


N. 8 B. ENTERPRISES

CHAMBERS LEASE WELL NO. 3

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 MILLIDARCY
961.0 - 971.9	8.5	20.5	58.0	14.4	892.	7,574.	89.8



 ALTERNATE LAYERS OF SHALE & SANDSTONE
 SANDY SHALE

N. 8 B. ENTERPRISES

CHAMBERS LEASE WELL NO. 3
 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
961.0 - 971.9	8.5	20.50	56.6	14.4	892.	7,574.	89.8

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 CHANUTE, KANSAS
 APRIL, 1968