

OILFIELD RESEARCH LABORATORIES

- REGISTERED ENGINEERS -

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October 18, 1961

The NAKO Corporation
P.O. Box 350
Chanute, Kansas

Gentlemen:

Attached hereto are the results of tests run on the Cable Tool core taken from the Campbell "B" Lease, Well No. I-14, Allen County, Kansas, and submitted to our laboratory on October 11, 1961.

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

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES


Benjamin R. Pearman

BRP:rf

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GENERAL INFORMATION & SUMMARY

Company The NAKO Corporation Lease Campbell "B" Well No. I-14

Location SW SE

Section 29 Twp. 26S Rge. 20E County Allen State Kansas

Name of Sand	Bartlesville
Top of Core	820.0
Bottom of Core	845.8
Top of Sand (Tested)	820.0
Bottom of Sand (Tested)	843.6
Total Feet of Permeable Sand	22.8
Total Feet of Floodable Sand	

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

Average Permeability Millidarcys	(Effective)	16.34
Average Percent Porosity		
Average Percent Oil Saturation		
Average Percent Water Saturation		
Average Oil Content, Bbls./A. Ft.		
Total Oil Content, Bbls./Acre		
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		

LOG

Company The NAKO Corp. Lease Campbell "B" Well No. I-14

Depth Interval, Description
Feet

820.0 - 837.5 - Dark brown sandstone.

837.5 - 838.3 - Shale.

838.3 - 845.8 - Brown to dark sandstone.

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RESULTS OF PERMEABILITY AND POROSITY TESTS

TABLE I A

Company The NAKO Corporation Lease Campbell Well No. I-14

(Effective)

Sample No.	Depth, Feet	Permeability Millidarcys	Feet of Core		Permeability Capacity Ft. x Md.	Percent Porosity
			Ft.	Cum. Ft.		
1	820.1	25.41	0.6	0.6	15.246	-
2	821.1	0.634	1.0	1.6	0.634	-
3	822.1	39.15	1.0	2.6	39.150	-
4	823.1	26.56	1.0	3.6	26.560	-
5	824.1	16.75	1.0	4.6	16.750	-
6	825.1	15.99	1.0	5.6	15.990	-
7	826.1	40.85	1.0	6.6	40.850	-
8	827.1	47.80	1.0	7.6	47.800	-
9	828.1	26.22	1.0	8.6	26.220	-
10	829.1	18.90	1.0	9.6	18.900	-
11	830.1	54.00	1.0	10.6	54.000	-
12	831.1	0.417	1.0	11.6	0.417	-
13	832.1	0.500	1.0	12.6	0.500	-
14	833.1	2.79	1.0	13.6	2.790	-
15	834.1	4.24	1.0	14.6	4.240	-
16	835.1	5.59	1.0	15.6	5.590	-
17	836.1	8.15	1.0	16.6	8.150	-
18	837.1	8.92	0.9	17.5	8.028	-
19	839.1	16.92	1.3	18.8	21.996	-
20	840.1	13.20	1.0	19.8	13.200	-
21	841.1	0.555	1.0	20.8	0.555	-
22	842.1	3.56	1.0	21.8	3.560	-
23	843.1	1.44	1.0	22.8	1.440	-

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	The NAKO Corporation	Lease	Campbell "B"	Well No.	I-114
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Depth Interval, Feet	Feet of Core Analyzed	(Effective)		Permeability Capacity Ft. x Md.
		Average Permeability, Millidarcys		
820.0 - 830.6	10.6	28.50		302.100
830.6 - 843.6	12.2	5.77		70.466
820.0 - 843.6	22.8	16.34		372.566

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
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