



OILFIELD RESEARCH LABORATORIES

536 NORTH HIGHLAND - CHANUTE, KANSAS 66720 - PHONE (316) 431-2650

March 9, 1979

CHN Oil Company
2502 East Douglas
Wichita, Kansas 67214

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the R. V. Hale Lease, Well No. H-8, Allen County, Kansas, and submitted to our laboratory on March 7, 1979.

This core was sampled by a representative of Oilfield Research Laboratories.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Benjamin R. Pearman
Benjamin R. Pearman

SAM:cb

5 c to Wichita, Kansas

- REGISTERED ENGINEERS -

CORE ANALYSIS - WATER ANALYSIS - REPRESSURING ENGINEERING - SURVEYING & MAPPING - PROPERTY EVALUATION & OPERATION

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- LOG -

Company CHN Oil Company Lease R. V. Hale Well No. H-8

<u>Depth Interval, Feet</u>	<u>Description</u>
659.0 - 662.4	Light brown slightly shaly sandstone.
662.4 - 675.0	Brown slightly shaly sandstone.
675.0 - 676.3	Brown carbonaceous shaly sandstone.
676.3 - 676.7	Gray sandy shale.
676.7 - 680.0	Dark carbonaceous shaly sandstone.
680.0 - 681.6	Dark gray shale.
681.6 - 682.2	Coal.
682.2 - 682.5	Gray shale.
682.5 - 684.0	Loss.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company CHN Oil Company Lease R. V. Hale Well No. H-8

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.		
1	659.5	19.3	14	46	210	43.	1.0	1.0	210	43.00
2	660.5	19.9	15	46	232	33.	1.0	2.0	232	33.00
3	661.5	20.4	19	43	301	57.	1.4	3.4	421	79.80
4	662.5	20.2	22	42	345	41.	0.6	4.0	207	24.60
5	663.5	20.3	23	42	362	42.	1.0	5.0	362	42.00
6	664.5	17.9	33	42	458	11.	1.0	6.0	458	11.00
7	665.5	20.1	40	34	624	63.	1.0	7.0	624	63.00
8	666.5	19.8	49	30	753	59.	1.0	8.0	753	59.00
9	667.5	19.0	42	36	619	29.	1.0	9.0	619	29.00
10	668.5	18.6	28	47	404	26.	1.0	10.0	404	26.00
11	669.5	15.2	28	53	330	27.	1.0	11.0	330	27.00
12	670.7	20.6	36	42	575	31.	1.0	12.0	575	31.00
13	671.5	18.5	32	48	459	46.	1.0	13.0	459	46.00
14	672.5	19.1	30	48	445	43.	1.0	14.0	445	43.00
15	673.5	19.7	28	46	428	37.	1.0	15.0	428	37.00
16	674.5	19.5	24	49	363	36.	1.0	16.0	363	36.00
17	675.5	20.1	36	36	561	2.2	1.3	17.3	729	2.86
18	677.5	19.2	39	34	581	0.89	1.3	18.6	755	1.16
19	678.5	20.9	35	41	568	21.	1.0	19.6	568	21.00
20	679.5	22.4	47	35	817	2.8	1.0	20.6	817	2.80

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Lease	Well No.			
CHN Oil Company	R. V. Hale	H-8			
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.		
659.0 - 665.0	6.0	38.9	233.40		
665.0 - 680.0	14.6	29.1	424.82		
659.0 - 680.0	20.6	32.0	658.22		
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Porosity	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbls./Acre
659.0 - 665.0	6.0	19.7	43.6	315	1,890
665.0 - 680.0	14.6	19.5	41.1	539	7,869
659.0 - 680.0	20.6	19.5	41.8	474	9,759