



OILFIELD RESEARCH LABORATORIES

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

June 19, 1980

Haas & Crane Oil Company
701 N. Grove
Yates Center, Kansas 66783

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Elmer Schneider Lease, Well No. 2, Coffey County, Kansas, and submitted to our laboratory on June 6, 1980.

The core was sampled and sealed in plastic bags by a representative of the client.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES



Sanford A. Michel

SAM/kas
5 c to Yates Center, Kansas

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GENERAL INFORMATION & SUMMARY

Company Haas & Crane Oil Company Lease Elmer Schneider Well No. 2

Location 300' FWL & 330' FSL W $\frac{1}{2}$ NE $\frac{1}{4}$

Section 32 Twp. 22S Rge. 14E County Coffey State Kansas

Elevation, Feet	-
Name of Sand	Squirrel (Gridley Sand)
Top of Core	1348.0
Bottom of Core	1357.0
Top of Sand	1348.0
Bottom of Sand	1357.0
Total Feet of Permeable Sand	7.5

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 15	3.1	3.1
35 - 50	3.4	6.5
70 & Above	1.0	7.5

Average Permeability Millidarcys	31.8
Average Percent Porosity	17.4
Average Percent Oil Saturation	47.1
Average Percent Water Saturation	23.9
Average Oil Content, Bbls./A. Ft.	638.
Total Oil Content, Bbls./Acre	4,785.

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LOGName Haas & Crane Oil Company Lease Elmer SchneiderWell No. 2Depth Interval,
FeetDescription

1348.0 - 1349.2

Brown shaly sandstone.

1349.2 - 1351.1

Brown sandstone.

1351.1 - 1354.0

Brown slightly calcareous sandstone.

1354.0 - 1355.5

Gray sandy shale.

1355.5 - 1357.0

Dark brown slightly carbonaceous
slightly calcareous sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Haas & Crane Oil Company Lease Elmer Schneider 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	1348.5	16.0	36	37	73	447	2.8	1.2	1.2	536	3.36
2	1349.5	15.9	38	35	73	469	12.	0.9	2.1	422	10.80
3	1350.5	19.5	42	21	63	635	71.	1.0	3.1	635	71.00
4	1351.5	18.9	53	12	65	777	46.	0.9	4.0	699	41.40
5	1352.5	16.7	49	20	69	635	6.2	1.0	5.0	635	6.20
6	1353.6	18.1	41	22	63	576	36.	1.0	6.0	576	36.00
7	1355.7	16.1	77	11	88	962	42.	0.5	6.5	481	21.00
8	1356.5	17.8	58	24	82	801	49.	1.0	7.5	801	49.00

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Lease	Well No.						
Haas & Crane Oil Company	Elmer Schneider	2						
			Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.		
			1348.0 - 1357.0	7.5	31.8	238.76		
			Depth Interval, Feet	Feet of Core Analyzed	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbls./Acre	
			1348.0 - 1357.0	7.5	47.1	23.9	638	4,785