

OILFIELD RESEARCH LABORATORIES

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

April 22, 1980

HiJi Brothers
P.O. Box 389
Oxhard, California 93032

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Frank Miller Lease, Well No. H-1, Anderson County, Kansas, and submitted to our laboratory on April 9, 1980.

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

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES


Sanford A. Michel

SAM/tem

3 c to Garnett, Kansas
2 c to Oxhard, California

Oilfield Research Laboratories
GENERAL INFORMATION & SUMMARY

Company HiJi Brothers Lease Frank Miller Well No. H-1
 Location NE $\frac{1}{4}$ NW $\frac{1}{4}$
 Section 1 Twp. 21S Rge. 19E County Anderson State Kansas

Elevation, Feet	
Name of Sand	Squirrel
Top of Core	796.0
Bottom of Core	816.0
Top of Sand	796.0
Bottom of Sand (Tested)	808.8
Total Feet of Permeable Sand	6.2

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 12	3.9	3.9
17 & Above	2.3	6.2

Average Permeability Millidarcys	14.1
Average Percent Porosity	17.1
Average Percent Oil Saturation	31.4
Average Percent Water Saturation	61.5
Average Oil Content, Bbls./A. Ft.	427.
Total Oil Content, Bbls./Acre	2,905.

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LOGName Hiji Brothers Lease Frank Miller Well No. H-1

<u>Depth Interval, Feet</u>	<u>Description</u>
796.0 - 797.3	Light brown sandstone.
797.3 - 797.9	Brown shaly sandstone.
797.9 - 799.1	Brown sandstone.
799.1 - 800.0	Brown slightly shaly sandstone.
800.0 - 801.9	Very light brown sandstone.
801.9 - 803.7	Brown slightly shaly sandstone.
803.7 - 807.8	Very light brown sandstone.
807.8 - 811.0	Grayish brown sandstone.
811.0 - 816.0	Very light brown sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company HiJi Brothers Lease Frank Miller Well No. H-1

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	796.5	13.1	15	80	95	152	17.	1.3	1.3	198	22.10
2	797.5	17.7	32	48	80	439	Imp.	0.6	1.9	263	0.00
3	798.5	18.7	38	55	93	551	11.	1.2	3.1	661	13.20
4	799.5	16.7	39	56	95	505	9.6	0.9	4.0	455	8.64
5	802.5	17.5	36	59	95	489	6.3	1.8	5.8	880	11.34
6	808.5	19.9	29	63	92	448	32.	1.0	6.8	448	32.00

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company HiJi Brothers Lease Frank Miller Well No. H-1

Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
796.0 - 808.8	6.2	14.1	87.28

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
796.0 - 808.8	6.8	17.1	31.4	61.5	427	2,905

HIJI BROTHERS

FRANK MILLER LEASE

WELL NO. H - 1

ANDERSON COUNTY, KANSAS

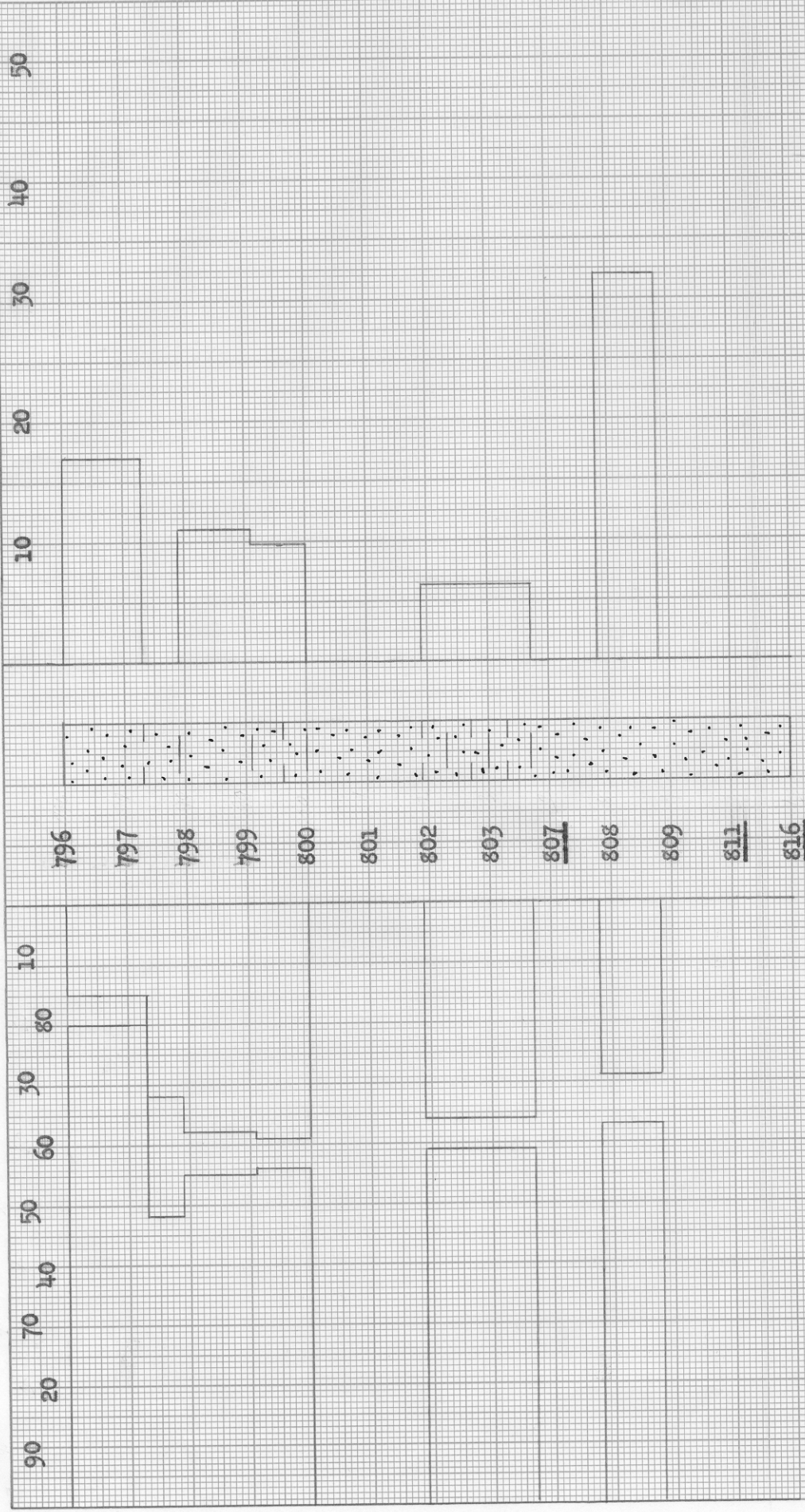
DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE PERCENT POROSITY	AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT	AVERAGE PERMEABILITY, MILLIDARCY
796.0 - 808.8	6.8	17.1	31.4	61.5	14.1

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CHANUTE, KANSAS
APRIL, 1960. HR

WATER SAT.,
PERCENT

OIL SAT.,
PERCENT

PERMEABILITY, IN MILLIDARCY



KEY:



SANDSTONE



SHADY SANDSTONE

HIJI BROTHERS

FRANK MILLER LEASE

WELL NO. H - 1

ANDERSON COUNTY, KANSAS