

OILFIELD RESEARCH LABORATORIES

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

August 6, 1981

Keaton Brothers Drilling
R R 3
Paola, Kansas 66071

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Keaton Hosak Lease, Well No. 2, located in Miami County, Kansas.

The core was sampled and sealed in trash bags by a representative of the client and was submitted to our laboratory on August 4, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/kas

5 c to Paola, Kansas

T175, R24E, Sec. 9

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GENERAL INFORMATION & SUMMARY

Company Keaton Brothers Drilling Lease Keaton Hosak Well No. 2

Location _____

Section _____ Twp. _____ Rge. _____ County Miami State Kansas

Elevation, Feet

Name of Sand..... Peru

Top of Core 304.5

Bottom of Core 313.0

Top of Sand 304.5

Bottom of Sand..... (Tested) 311.6

Total Feet of Permeable Sand 3.0

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

0 - 10

2.0

2.0

10 - 12

1.0

3.0

Average Permeability Millidarcys 5.0

Average Percent Porosity 9.5

Average Percent Oil Saturation 29.4

Average Percent Water Saturation..... 52.8

Average Oil Content, Bbls./A. Ft. 198.

Total Oil Content, Bbls./Acre..... 1,245.

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LOG

Name Keaton Brothers Drilling Lease Keaton Hosak Well No. 2

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
304.5 - 306.0	Grayish light brown calcareous shaly sandstone.
306.0 - 307.8	Brown calcareous sandstone.
307.8 - 309.6	Grayish light brown calcareous shaly sandstone.
309.6 - 313.0	Gray calcareous very shaly sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Keaton Brothers Drilling Lease Keaton Hosak 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			Ft.	Cum. Ft.		
1	304.8	10.4	31	35	250	3.0	1.0	1.0	250	3.00
2	305.7	10.4	30	38	242	Imp.	0.5	1.5	141	0.00
3	307.1	11.4	38	36	336	11.	1.0	2.5	336	11.00
4	308.1	5.5	45	47	192	Imp.	0.8	3.3	154	0.00
5	309.1	5.0	44	46	171	Imp.	1.0	4.3	171	0.00
6	310.1	14.8	11	74	126	0.98	1.0	5.3	126	0.98
7	311.1	8.6	10	85	67	Imp.	1.0	6.3	67	0.00

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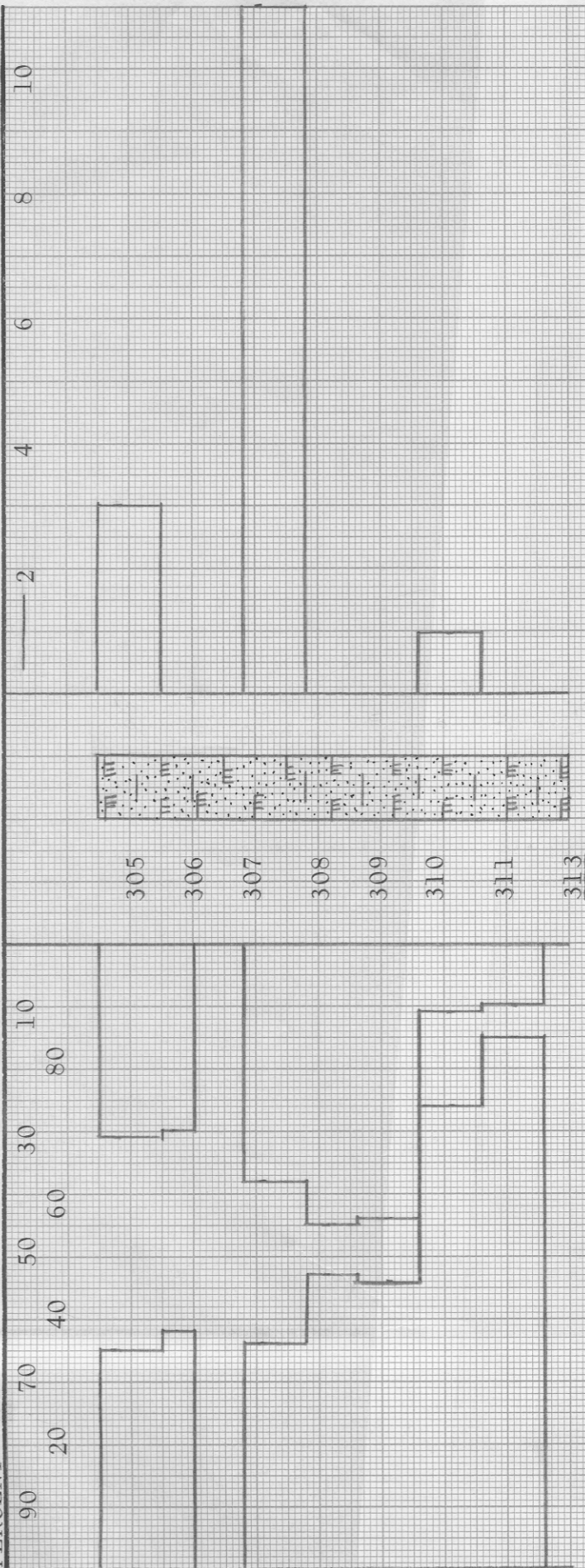
SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Lease	Well No.		2
Keaton Brothers Drilling	Keaton Hosak			
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.	
304.5 - 311.6	3.0	5.0	14.98	
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Oil Saturation	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.
304.5 - 311.6	6.3	9.5	29.4	52.8
				Total Oil Content Bbls./Acre
				198
				1,245

PERMEABILITY, IN MILLIDARCYS

WATER SAT., PERCENT ←
OIL SAT., PERCENT →



KEY:



CALCAREOUS SANDSTONE



SHALY CALCAREOUS SANDSTONE

KEATON BROTHERS DRILLING

KEATON HOSAK LEASE

MIAMI COUNTY, KANSAS

WELL NO. 2

DEPTH INTERVAL, FEET

FEET OF CORE ANALYZED

AVERAGE PERCENT

AVG. OIL SATURATION

AVG. WATER SATURATION

AVERAGE PERMEABILITY

KEATON BROTHERS DRILLING

KEATON HOSAK LEASE

MIAMI COUNTY, KANSAS

WELL NO. 2

DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE PERCENT POROSITY	AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT	AVERAGE PERMABILITY, MILLIDARCS
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304.5 - 311.6	6.3	9.5	29.4	52.8	5.0
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CHANUTE, KANSAS
AUGUST, 1981

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