

OILFIELD RESEARCH LABORATORIES

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

September 15, 1981

Keaton Brothers Drilling
Rural Route # 3
Paola, Kansas 66071

Gentlemen:

Attached hereto are the results of tests run on the rotary cores taken from the Keaton (Steve) Lease, Well No. 181-S, located in Section 30, T-17S, R-22E, in Miami County, Kansas.

The cores were sampled and sealed in plastic bags by a representative of the client and were submitted to our laboratory on September 4 and September 9, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

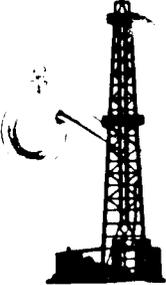
Sanford A. Michel

SAM/kas

5 c to Paola, Kansas

- REGISTERED ENGINEERS -

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



OILFIELD RESEARCH LABORATORIES

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

September 15, 1981

Keaton Brothers Drilling
Rural Route # 3
Paola, Kansas 66071

Gentlemen:

Enclosed you will find the core report taken from the Keaton Lease, Well No. 181-S, Miami County, Kansas.

We submitted a core report to you on the Peru and Squirrel sands on September 4, 1981. On September 9, 1981, the Lower Squirrel sand was submitted to our laboratory for analysis which the following was added to the September 4, 1981 report.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/kas

5 c to Paola, Kansas

OILFIELD RESEARCH LABORATORIES

LOGName Keaton Brothers Drilling Lease Keaton (Steve)Well No. 181-S

<u>Depth Interval, Feet</u>	<u>Description</u>
	PERU SAND
450.0 - 455.0	Grayish light brown slightly calcareous shaly sandstone.
	SQUIRREL SAND
613.0 - 613.7	Grayish brown shaly sandstone.
613.7 - 616.0	Gray and brown laminated shale and sandstone.
616.0 - 620.0	Grayish light brown very shaly sandstone.
	LOWER SQUIRREL SAND
685.2 - 686.8	Light brown sandstone.
686.8 - 690.0	Grayish light brown shaly sandstone.

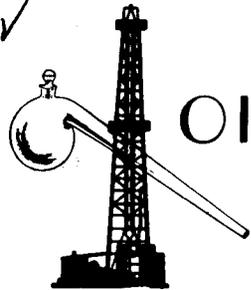
Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Keaton Bros. Drilling **Lease** Keaton (Steve) **Well No.** 181-S

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
			<u>PERU SAND</u>				
1	450.6	17.8	32	47	79	442	7.1
2	451.5	17.3	23	58	81	309	8.0
3	452.5	14.5	28	65	93	315	0.48
4	453.4	9.8	5	90	95	38	Imp.
5	454.5	6.6	17	77	94	87	Imp.
			<u>SQUIRREL SAND</u>				
6	613.6	14.8	45	50	95	517	Imp.
7	614.5	20.1	51	18	69	795	42.
8	615.4	20.6	43	22	65	687	69.
9	616.5	10.0	29	63	92	225	Imp.
10	617.4	12.4	12	85	97	115	Imp.
11	618.3	15.5	27	65	92	325	Imp.
12	619.4	14.8	22	73	95	253	Imp.
			<u>LOWER SQUIRREL SAND</u>				
13	685.5	16.7	56	29	85	726	17.
14	686.4	15.0	49	37	86	570	14.
15	687.5	11.1	7	87	94	60	Imp.
16	688.4	11.2	34	58	92	295	Imp.
17	689.4	15.7	32	58	90	390	Imp.



OILFIELD RESEARCH LABORATORIES

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

September 10, 1981

Keaton Brothers Drilling
Rural Route 3
Paola, Kansas 66071

Gentlemen:

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The cores were sampled and sealed in plastic bags by a representative of the client and submitted to our laboratory on September 4, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/mkf

5 c to Paola, Ks.

- REGISTERED ENGINEERS -

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

OILFIELD RESEARCH LABORATORIES

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6	613.6	14.8	45	50	95	517	Imp.
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