



OILFIELD RESEARCH LABORATORIES

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

September 14, 1981

Hickory Creek Oil Company
P. O. Box 379
Parsons, Kansas 67357

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Cuthbertson Lease, Well No. 1, located 2500' from the East Line and 165' from the South Line in the Southeast $\frac{1}{4}$ of Section 31, T-29S, R-23E, in Crawford County, Kansas.

The core was 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 Parsons, Ks.

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LOGName Hickory Creek Oil Company Lease Cuthbertson Well No. 1

<u>Depth Interval, Feet</u>	<u>Description</u>
	SKINNER SAND
261.0 - 261.5	Light brown sandstone.
261.5 - 261.8	Gray very shaly sandstone.
261.8 - 262.7	Light brown sandstone.
262.7 - 263.9	Gray very shaly sandstone.
263.9 - 265.4	Light brown sandstone.
265.4 - 266.7	Grayish light brown shaly sandstone.
266.7 - 278.1	Grayish light brown sandstone.
278.1 - 278.8	Grayish light brown shaly sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Hickory Creek Oil Co. Lease Cuthbertson Well No. 1

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	261.4	20.6	18	55	73	288	13.
2	262.6	19.3	18	49	67	270	31.
3	264.5	21.3	10	56	66	165	31.
4	265.5	16.9	19	71	90	249	6.3
5	266.5	17.4	25	61	86	335	6.0
6	267.5	19.5	16	54	70	242	31.
7	268.5	19.9	23	55	78	355	31.
8	269.6	21.0	18	53	71	293	42.
9	270.5	19.6	12	63	75	183	27.
10	271.5	20.2	8	59	67	125	32.
11	272.6	20.5	17	50	67	270	47.
12	273.6	19.5	16	53	69	242	35.
13	274.5	17.7	17	56	73	233	60.
14	275.5	19.4	15	53	68	226	26.
15	276.6	18.7	13	60	73	189	20.
16	277.6	18.3	2	77	79	28	21.
17	278.5	14.8	3	94	97	34	3.8