



OILFIELD RESEARCH LABORATORIES

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

September 23, 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 E. Pruitt Lease, Well No. 1, located 2100' from the West Line and 165' from the South Line of the Southwest $\frac{1}{4}$ in Section 32, T-29S, R-23E, in Crawford County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and was submitted to our laboratory on September 17, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/kas

5 c to Parsons, Kansas

LOGName Hickory Creek Oil Co. Lease E. Pruitt Well No. 1

<u>Depth Interval, Feet</u>	<u>Description</u>
	<u>SKINNER SAND</u>
231.0 - 231.5	Gray shale.
231.5 - 233.6	Brown and gray laminated sandstone and shale.
233.6 - 234.6	Gray and light gray laminated sandstone and shale.
234.6 - 235.9	Light brown sandstone with shale partings.
235.9 - 236.6	Light brown and gray laminated sandstone and shale.
236.6 - 237.6	Gray and light gray laminated sandstone and shale.
237.6 - 238.7	Light brown and gray laminated sandstone and shale.
238.7 - 239.5	Gray and light gray laminated sandstone and shale.
239.5 - 240.7	Alternate layers brown and gray sandstone and shale.
240.7 - 241.5	Gray and light gray laminated sandstone and shale.
241.5 - 241.9	Light brown sandstone.
241.9 - 242.4	Gray and light gray laminated sandstone and shale.
242.4 - 245.7	Brown sandstone.
245.7 - 246.2	Light gray sandy limestone.
246.2 - 246.6	Gray shale.
246.6 - 247.3	Brown slightly calcareous sandstone.
247.3 - 248.3	Gray shale.
248.3 - 248.7	Brown sandstone.
248.7 - 249.0	Gray shale.
249.0 - 249.4	Brown sandstone.
249.4 - 251.0	Gray slightly sandy shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Hickory Creek Oil Co. Lease E. Pruitt Well No. 1

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	231.6	9.3	16	80	96	115	0.81
2	232.4	15.7	27	56	83	329	2.2
3	233.5	14.7	12	70	82	137	Imp.
4	234.7	19.2	31	44	75	462	37.
5	235.6	19.3	37	47	84	554	12.
6	236.5	11.0	22	70	92	188	0.34
7	237.7	13.9	32	66	98	345	Imp.
8	238.6	13.0	16	74	90	161	Imp.
9	239.6	19.0	21	45	66	310	37.
10	240.5	21.5	35	38	73	584	42.
11	241.6	18.7	24	37	61	348	56.
12	242.6	24.6	24	37	61	458	288.
13	243.5	22.4	19	43	62	330	346.
14	244.4	20.9	35	59	94	568	47.
15	245.4	24.4	22	48	70	416	203.
16	246.7	21.7	21	34	55	354	41.
17	248.4	17.4	21	49	70	284	31.
18	249.2	14.7	20	34	54	228	8.9