

# OILFIELD RESEARCH LABORATORIES

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

May 5, 1980

Carl Tucker, Jr.  
P.O. Box 376  
Independence, Kansas 67301

Gentlemen:


Attached hereto are the results of tests run on the rotary core taken from the Barnhart Lease, Well No. 4, located in Section 35, T-33S, R-14E, Montgomery County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client, and submitted to our laboratory on April 21, 1980.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

  
Sanford A. Michel

SAM/tem

5 c to Independence, Kansas

## OILFIELD RESEARCH LABORATORIES

LOGName Carl Tucker, Jr. Lease Barnhart Well No. 4Depth Interval,  
FeetDescriptionWAYSIDE SAND

637.0 - 639.9	Gray shaly sandstone.
639.9 - 644.7	Grayish brown shaly sandstone.
644.7 - 646.0	Brown slightly calcareous shaly sandstone.
646.0 - 647.6	Gray shaly sandstone.
647.6 - 649.2	Grayish brown shaly sandstone.
649.2 - 650.8	Brown slightly calcareous sandstone.
650.8 - 653.9	Light brown shaly slightly calcareous sandstone.
653.9 - 654.7	Brown slightly calcareous sandstone.
654.7 - 656.3	Brown shaly sandstone.
656.3 - 658.0	Gray sandy shale.

**Oilfield Research Laboratories**

**RESULTS OF SATURATION & PERMEABILITY TESTS**

**TABLE 1**

Company Carl Tucker Lease Barnhart Well No. 4

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
A	637.6	17.9					7.4
B	638.5	19.2					4.4
C	639.5	17.0					3.5
1	641.2	17.8	5	90	95	69	1.2
2	642.4	16.0	8	83	91	99	1.8
3	643.7	16.7	3	89	92	39	1.7
4	644.5	14.6	22	76	98	249	1.1
5	645.6	17.5	10	75	85	136	5.1
6	646.5	15.2	11	76	87	130	Imp.
7	647.5	15.9	8	79	87	99	0.73
8	648.5	15.8	15	77	92	184	3.9
9	649.5	16.4	19	71	90	242	14.
10	650.5	17.2	25	64	89	334	30.
11	651.4	16.8	30	61	91	391	6.2
12	652.2	16.1	17	79	96	212	1.2
13	653.1	15.6	14	74	88	169	1.9
14	654.2	16.7	22	69	91	285	13.
15	655.0	10.2	24	73	97	190	1.0
16	656.2	13.4	10	85	95	104	Imp.