

May 16, 1951

Natural Resources Corporation
P. O. Box 205
Neodesha, Kansas

Attention: Mr. John M. Keahey

Gentlemen:

Attached hereto are the results of tests
made on the core samples taken from your Earnest
Hazen Lease, Well No. 4-B, Wilson County, Kansas,
and submitted to our laboratory on March 15,
1951.

No averages are given as the remainder of
the core was not submitted to our laboratory.

Very truly yours,

OIL FIELD RESEARCH LABORATORIES

Carl L. Pate

CLP:eam
c.c.

TWP 31 S RGE 16 E SEC 3

3-31-16 E

Oil Field Research Laboratories

RESULTS OF SATURATION TESTS

TABLE III

Company Natural Resources Corporation Lease Farwest Haven Well No. 4-3

Sat. No.	Depth, Feet	Effective Porosity Percent	Percent Saturation			Oil Content Bbls./A. Ft.	Feet of Core		Total Oil Content Bbls./Acre
			Oil	Water	Total		Ft.	Cum. Ft.	
1		14.6	16.0	-	-	181			
2		12.9	24.0	-	-	240			
3		14.6	32.2	-	-	364			
4		12.7	24.5	-	-	241			
5		16.7	29.2	-	-	378			
6		17.1	24.3	-	-	322			
7		14.7	29.4	-	-	333			
8		15.4	41.6	-	-	456			
9		13.4	12.2	-	-	127			
10		13.2	31.1	-	-	318			
11		14.4	21.9	-	-	243			
12		12.1	28.4	-	-	266			

RESULTS OF LABORATORY FLOODING TESTS

Company Natural Resources Corporation Lease Earnest Hazen Well No. 4-3

Sample No.	Depth, Feet	Effective Porosity Percent	Original Oil Saturation		Oil Recovery		Residual Saturation			Volume of Water Recovered cc*	Effective Permeability, Millidarcys **	Initial Fluid Production Pressure Lbs./Sq. In.
			Percent	Bbls./A. Ft.	Percent	Bbls./A. Ft.	% Oil	% Water	Bbls./A. Ft.			
1		14.6	16.0	181	0.0	0	16.0	67.9	181	0	Imp.	50 +
2		13.9	24.0	240	0.0	0	24.0	65.7	240	10	0.320	35
3		14.6	32.2	364	6.4	72	25.8	66.6	292	19	0.279	20
4		12.7	24.5	241	0.0	0	24.5	57.6	241	0	Imp.	50 +
5		16.7	29.2	378	6.5	84	22.7	64.9	294	177	8.53	15
6		17.1	24.3	322	5.3	70	19.0	66.7	252	104	10.23	15
7		14.7	29.4	335	0.0	0	29.4	60.3	335	1	0.089	50
8		15.4	41.6	496	0.0	0	41.6	39.5	496	0	Imp.	50 +
9		13.4	12.2	127	0.0	0	12.2	66.6	127	0	Imp.	50 +
10		13.2	31.1	318	3.9	40	27.2	35.7	278	29	0.315	30
11		14.4	21.9	245	0.6	7	21.3	46.1	236	22	0.593	30
12		12.1	28.4	266	0.0	0	28.4	22.6	266	0	Imp.	50 +

Notes: cc - cubic centimeter
* - Volume of water recovered at the time of maximum oil recovery.
** - Determined by passing water through sample which still contains residual oil.