



# OILFIELD RESEARCH LABORATORIES

P. O. BOX 647 - CHANUTE, KANSAS 66720 - PHONE (316) 431-2650

May 9, 1984

Oaks Petroleum, Inc.  
c/o Calvin T. Oaks, Jr.  
Route 2  
Stoystown, Pennsylvania 15563

Gentlemen:

Attached hereto are the results of tests run on the rotary cores taken from the Freeman Lease, Well No. LO-22, located in Section 15, T-17S, R-21E, Franklin County, Kansas.

The cores were sampled and sealed in plastic bags by a representative of the client and submitted to our laboratory on May 5, 1984.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

  
Benjamin R. Pearman

BRP/ph

2 c to Stoystown, PA  
3 c to Ray Wagner, Paola, KS

## OILFIELD RESEARCH LABORATORIES

LOGCompany Oaks Petroleum, Inc. Lease Freeman Well No. LO-22

<u>Depth Interval, Feet</u>	<u>Description</u>
	<u>PERU SANDSTONE</u>
355.0 - 356.0	Brown slightly calcareous sandstone with scattered gray shale partings.
356.0 - 367.3	Brown slightly calcareous sandstone.
367.3 - 368.0	Light brown slightly calcareous shaly sandstone with gray shale partings.
368.0 - 369.0	Brown shaly slightly calcareous sandstone.
369.0 - 369.4	Grayish brown calcareous shaly sandstone.
369.4 - 369.7	Gray shaly limestone.
	<u>SQUIRREL SANDSTONE</u>
509.0 - 510.3	Brown sandstone.
510.3 - 511.0	Brown slightly shaly sandstone with scattered gray shale partings.
511.0 - 512.0	Gray very shaly sandstone.
512.0 - 514.2	Brown sandstone with scattered gray shale and mica partings.
514.2 - 515.0	Brown sandstone.
515.0 - 517.8	Grayish brown shaly sandstone.

# Oilfield Research Laboratories

## RESULTS OF SATURATION & PERMEABILITY TESTS

### TABLE 1

Company Oaks Petroleum, Inc. Lease Freeman Well No. LO-22

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A. Ft.	Permeability, Millidarcys
			Oil	Water	Total		
<u>PERU SANDSTONE</u>							
1	356.5	21.5	38	43	81	634	90. <i>fair</i>
2	358.5	23.1	25	50	75	448 <i>896</i>	145. <i>good</i>
3	359.6	22.7	33	44	77	581 <i>639</i>	51. <i>fair</i>
4	360.5	23.3	40	40	80	723 <i>650</i>	110. <i>OK</i>
5	362.5	18.0	41	50	91	573 <i>1146</i>	109. <i>fair to good</i>
6	363.3	22.0	37	33	70	632 <i>505</i>	169. <i>OK</i>
7	364.7	19.0	47	32	79	693 <i>970</i>	184. <i>OK</i>
8	367.7	18.2	35	58	93	494 <i>1482</i>	5.6 <i>X</i>
<u>SQUIRREL SANDSTONE</u>							
9	509.5	18.6	29	57	86	419	35.
10	510.5	19.1	38	49	87	563	8.1
11	511.5	9.6	20	75	95	149	0.29
12	512.5	18.1	44	44	88	618	38.
13	513.5	18.8	26	46	72	379	17.
14	514.6	18.9	31	44	75	455	14.
15	515.7	15.1	24	72	96	281	1.4
16	516.5	8.9	27	70	97	186	1.1