



# OILFIELD RESEARCH LABORATORIES

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

December 20, 1982

Red Bear Oil  
c/o Red Bear Drilling  
525 East 86th Street  
New York, New York 10028

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Wakefield Lease, Well No. 6, located in Section 26, T-22S, R-21E, Linn County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and submitted to our laboratory on December 16, 1982.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

*Sanford A. Michel*  
by B.H.

Sanford A. Michel

SAM/rmc

5 c to New York, New York

## OILFIELD RESEARCH LABORATORIES

LOGCompany Red Bear Oil Lease Wakefield Well No. 6

Depth Interval, Feet	Description
	<u>TUCKER SANDSTONE</u>
829.0 - 830.0	Grayish brown very shaly sandstone.
830.0 - 830.3	Dark gray sandy shale.
830.3 - 831.9	Dark brown sandstone.
831.9 - 832.5	Dark brown sandstone with scattered shale partings.
832.5 - 832.8	Grayish brown very shaly sandstone with shale partings.
832.8 - 836.7	Dark brown sandstone with scattered fine shale and micaceous partings.
836.7 - 838.2	Brownish black sandstone with scattered fine shale and micaceous partings.
838.2 - 838.8	Brownish black very shaly sandstone with scattered fine shale and micaceous partings.
838.8 - 840.6	Brownish black very shaly slightly carbonaceous sandstone with scattered fine shale and micaceous partings.
840.6 - 842.1	Light gray and dark gray laminated sandstone and shale.

# Oilfield Research Laboratories

## RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Red Bear Oil Lease Wakefield Well No. 6

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A. Ft.	Permeability, Millidarcys
			Oil	Water	Total		
1	829.5	11.8	26	70	96	238	Imp.
2	830.5	20.5	53	23	76	843	101.
3	831.6	22.9	40	25	65	711	557.
4	832.6	11.0	46	43	89	393	2.6
5	833.5	18.3	48	33	81	682	62.
6	834.5	20.0	53	23	76	822	105.
7	835.4	19.8	48	26	74	737	121.
8	836.5	19.0	55	29	84	811	49.
9	837.5	18.6	64	31	95	924	50.
10	838.6	15.5	24	54	78	289	2.8
11	839.5	19.3	60	14	74	898	3.1
12	840.5	18.8	45	27	72	656	2.8