



# OILFIELD RESEARCH LABORATORIES

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

July 8, 1985

Brown Bear Energy, Inc.  
P. O. Box 20768  
Oklahoma City, Oklahoma 73156

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Wiseman "E" Lease, Well No. 4, located in Section 11, T-14S, R-22E, Douglas County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and submitted to our laboratory on July 5, 1985.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

*Alan M. Dunning*

Alan M. Dunning

AMD/ral

5 c to Oklahoma City, Oklahoma

145-22E-11

## OILFIELD RESEARCH LABORATORIES

LOGCompany Brown Bear Energy, Inc. Lease Wiseman "E" Well No. 4

<u>Depth Interval, Feet</u>	<u>Description</u>
	<u>SQUIRREL SANDSTONE</u>
674.0 - 675.1	Sandstone, brown, slightly shaly.
675.1 - 678.0	Sandstone, brown.
678.0 - 678.6	Sandstone, brown, with scattered shale inclusions.
678.6 - 679.4	Sandstone, brown.
679.4 - 679.7	Sandstone, brown, shaly.
679.7 - 683.0	Sandstone, brown, with widely scattered shale partings.
683.0 - 684.3	Sandstone and shale, brown and gray, alternate layers.
684.3 - 684.7	Shale, gray.
684.7 - 685.0	Sandstone, grayish brown, very shaly.
685.0 - 685.3	Shale, gray.

**Oilfield Research Laboratories**  
**RESULTS OF SATURATION & PERMEABILITY TESTS**

**TABLE 1**

Company Brown Bear Energy, Inc. Lease Wiseman "E" Well No. 4

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A. Ft.	Permeability, Millidarcys
			Oil	Water	Total		
1	674.5	16.1	41	55	96	512	6.8
2	675.5	18.4	50	46	96	714	13.
3	676.5	18.9	44	46	90	645	20.
4	677.5	18.2	45	47	92	635	16.
5	678.5	17.3	41	53	94	550	8.7
6	679.5	17.1	39	52	91	517	4.7
7	680.5	17.5	50	46	96	679	24.
8	681.5	22.4	42	36	78	730	62.
9	682.5	22.3	59	36	95	1021	56.
10	683.4	16.0	36	57	93	447	13.
11	684.8	13.8	21	76	97	225	0.71

.189  
 $h = 8'$   
.465  
.149  
(.405)