

# OILFIELD RESEARCH LABORATORIES

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

June 23, 1980

Phoenix Exploration, Inc.  
P.O. Box 18532  
Wichita, Kansas 67218

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Humboldt Shale & Mining Company Lease, Well No. 1, located in the Northwest  $\frac{1}{4}$  of Section 33, T-25S, R-18E, Allen County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and submitted to our laboratory on June 18, 1980.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

  
Sanford A. Michel

SAM/tem

5 c to Wichita, Kansas

LOGName Phoenix Exploration, Incorporated.Lease Humboldt Shale & Mining Company Well No. 1Depth Interval,  
FeetDescriptionBARTLESVILLE SAND

840.0 - 841.3

Brown shaly sandstone.

841.3 - 842.2

Brown sandstone.

842.2 - 845.0

Gray and brown shaly sandstone.

**Oilfield Research Laboratories**

**RESULTS OF SATURATION & PERMEABILITY TESTS**

**TABLE 1**

Phoenix Exploration, Humboldt Shale  
 Company Incorporated Lease & Mining Company Well No. 1

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	840.5	15.6	53	42	95	641	0.80
2	841.5	18.9	65	21	86	953	27.
3	842.4	12.9	50	39	89	500	0.60
4	843.5	10.8	43	55	98	360	Imp.