

OILFIELD RESEARCH LABORATORIES

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

December 30, 1982

Zoandra Petroleum, Incorporated
11000 East Yale Avenue
Suite 106
Aurora, Colorado 80014

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Choguill Lease, Well No. 3, located in Section 16, T-26S, R-17E, Woodson County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and submitted to our laboratory on December 28, 1982.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel
Sanford A. Michel *by B.L.*

SAM/tem

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Company Zoandra Petroleum, Inc. Lease Choquill Well No. 3

Depth Interval,
Feet

Description

BARTLESVILLE SANDSTONE

968.0 - 976.0	Brown sandstone containing a vertical fracture.
976.0 - 977.0	Grayish brown very shaly sandstone.
977.0 - 979.0	Brown shaly sandstone.
979.0 - 980.0	Brown sandstone.
980.0 - 981.0	Brown shaly sandstone.
981.0 - 983.0	Brown sandstone.

Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Zoandra Petroleum, Inc. Lease Choguill Well No. 3

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A. Ft.	Permeability, Millidarcys
			Oil	Water	Total		
1	968.5	18.4	28	43	71	400	18.
2	969.4	16.7	36	43	79	466	17.
3	970.5	16.6	43	37	80	554	39.
4	971.5	19.8	57	31	88	876	50.
5	972.7	20.5	39	33	72	620	77.
6	973.4	17.9	41	40	81	569	65.
7	974.5	15.4	43	49	92	514	26.
8	975.6	16.4	38	37	75	484	39.
9	976.4	15.0	57	36	93	663	0.63
10	977.5	14.9	64	33	97	740	1.5
11	978.5	15.1	57	41	98	668	1.7
12	979.5	16.1	53	34	87	662	11.
13	980.5	15.6	46	42	88	557	3.8
14	981.5	18.0	47	35	82	656	49.
15	982.5	17.4	49	40	89	661	37.