



OILFIELD RESEARCH LABORATORIES

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

October 1, 1982

Zoandra Petroleum, Inc.
8126 E. Long Place
Englewood, Colorado 80112

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Harder Lease, Well No. Z-6, located in Section 22, T-25S, R-15E, Woodson County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and submitted to our laboratory on September 30, 1982.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/rmc

5 c to Englewood, Colorado

- REGISTERED ENGINEERS -

CORE ANALYSIS - WATER ANALYSIS - REPRESSURING ENGINEERING - SURVEYING & MAPPING - PROPERTY EVALUATION & OPERATION

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LOG

Company Zoandra Petroleum, Inc. Lease Harder Well No. Z-6

Depth Interval,
Feet

Description

SQUIRREL SANDSTONE

1127.0 - 1128.5	Grayish brown very shaly sandstone.
1128.5 - 1129.0	Dark brown shaly sandstone.
1129.0 - 1133.0	Dark brown sandstone.
1133.0 - 1135.6	Brown sandstone.

Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Zoandra Petroleum, Inc. Lease Harder Well No. Z-6

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A. Ft.	Permeability, Millidarcys
			Oil	Water	Total		
1	1128.6	20.0	67	10	77	1,040	3.9
2	1129.5	22.6	69	11	80	1,210	28.
3	1130.5	21.5	44	22	66	734	82.
4	1131.5	22.0	43	21	64	734	101.
5	1132.5	21.7	52	15	67	875	72.
6	1133.6	22.6	40	31	71	701	84.
7	1134.5	22.8	40	29	69	708	158.
8	1135.4	25.2	31	47	78	606	153.