

OILFIELD RESEARCH LABORATORIES

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

October 7, 1981

Ponderay International, Inc.
Drawer "D"
Chanute, Kansas 66720

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Stritzke Lease, Well No. 3, located in Montgomery County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and was submitted to our laboratory on October 2, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

A handwritten signature in dark ink, appearing to read "Sanford A. Michel". The signature is fluid and cursive, with a large initial "S" and "M".

Sanford A. Michel

SAM/kas

5 c to Chanute, Kansas

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company Ponderay International, Inc. Lease Stritzke Well No. 3
 Location 495' EWL & 495' SNL NE $\frac{1}{4}$
 Section 18 Twp. 32S Rge. 17E County Montgomery State Kansas

Elevation, Feet

Name of Sand.....

Bartlesville

Top of Core

688.0

Bottom of Core

699.4

Top of Sand

688.0

Bottom of Sand

695.7

Total Feet of Permeable Sand

5.7

Distribution of Permeable Sand: Permeability Range Millidarcys

Feet

Cum. Ft.

0 - 1

2.0

2.0

1 - 2

2.0

4.0

2 - 3

1.7

5.7

Average Permeability Millidarcys

1.3

Average Percent Porosity

12.4

Average Percent Oil Saturation

28.2

Average Percent Water Saturation.....

57.2

Average Oil Content, Bbls./A. Ft.

273.

Total Oil Content, Bbls./Acre.....

2,103.

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LOG

Name Ponderay International, Inc. Lease Stritzke Well No. 3

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
688.0 - 695.7	Grayish brown shaly sandstone.
695.7 - 699.4	Gray shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Ponderay International, Inc. Lease Stritzke Well No. 3

Sample No.	Depth, Feet	Effective Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.	Feet of Sand		Total Oil Content	Perm. Capacity Ft. X md.
			Oil	Water	Total			Ft.	Cum. Ft.		
1	688.6	10.5	33	62	94	269	0.23	1.0	1.0	269	0.23
2	689.6	12.6	34	55	89	332	Imp.	1.0	2.0	332	0.00
3	690.6	14.6	28	46	74	317	1.4	1.0	3.0	317	1.40
4	691.6	14.7	40	38	78	456	1.7	1.0	4.0	456	1.70
5	692.4	15.7	21	67	88	256	2.2	1.0	5.0	256	2.20
6	693.5	10.2	19	58	77	150	Imp.	1.0	6.0	150	0.00
7	694.5	10.2	20	68	88	158	0.18	1.0	7.0	158	0.18
8	695.5	9.5	32	66	98	236	2.2	0.7	7.7	165	1.54

SUMMARY OF PERMEABILITY & SATURATION TESTS

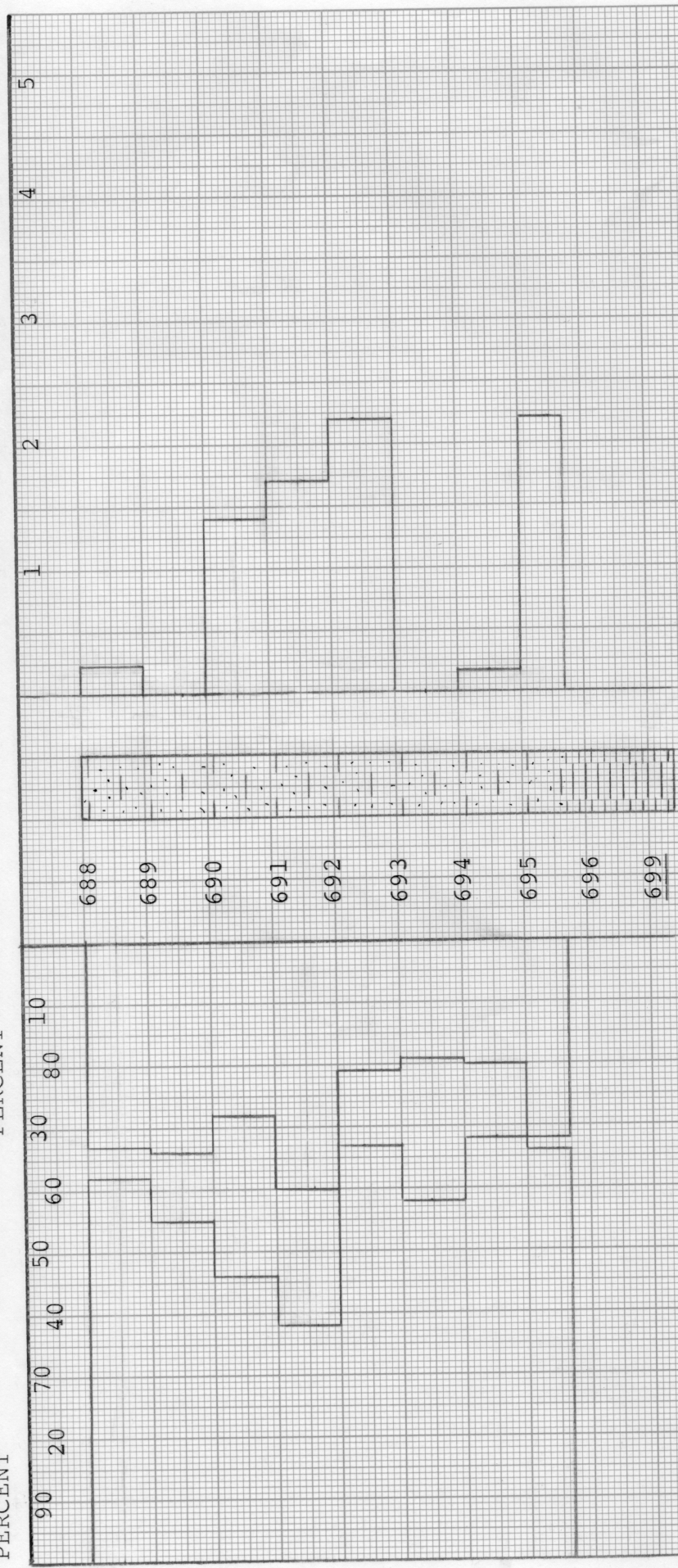
Well No. 3

Company	Ponderay International, Inc.		Lease	Stritzke		Well No.	3
	Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.			
	688.0 - 695.7	5.7	1.3	7.25			
	Depth Interval, Feet	Feet of Core Analyzed	Average Percent Oil Saturation	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbls./Acre	
	688.0 - 695.7	7.7	12.4	28.2	57.2	273	2,103

WATER SAT., PERCENT →

← OIL SAT., PERCENT

— PERMEABILITY IN MILLIDARCYS



KEY:

SHALY SANDSTONE SHALE

PONDERAY INTERNATIONAL, INC.

STRITZKE LEASE

WELL NO. 3

MONTGOMERY COUNTY, KANSAS

DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE POROSITY PERCENT	AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT	AVERAGE PERMEABILITY MILLIDARCYS
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688.0 - 695.7

7.7

12.4

28.2

57.2

1.3

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CHANUTE, KANSAS
OCTOBER, 1981

MKF