

OILFIELD RESEARCH LABORATORIES

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

November 3, 1982

Petro Valley Services Corporation
P. O. Box 449
Moran, Kansas 66755

Gentlemen;

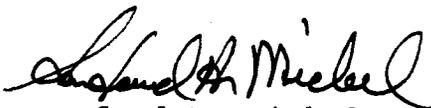
Attached hereto are the results of tests run on the rotary core taken from the Swarner-Woirhaye Lease, Well No. 123, located in Section 2, T-20S, R-22E, Linn County, Kansas.

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

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES


Sanford A. Michel

SAM/pdc

5 c to Moran, Kansas

- REGISTERED ENGINEERS -

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

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LOG

Name Petro Valley Services Corporation Lease Swarner-Woirhaye Well No. 123

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
	<u>SQUIRREL SANDSTONE</u>
598.0 - 601.0	Gray shale with widely scattered brown sandstone partings.
601.0 - 601.3	Gray and brown laminated shale and sandstone.
601.3 - 605.0	Gray shale with widely scattered brown sandstone partings.
605.0 - 606.8	Gray shale.
606.8 - 609.0	Brown sandstone with scattered fine gray shale and micaceous partings.
609.0 - 609.9	Brown sandstone.
609.9 - 610.0	Coal.
610.0 - 611.6	Gray shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Petro Valley Services Corporation Lease Swarner-Woirhaye Well No. 123

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A. Ft.	Permeability, Millidarcys
			Oil	Water	Total		
1	607.4	22.7	33	40	73	581	21.
2	608.5	20.0	41	45	86	636	56.
3	609.4	15.3	41	19	60	487	94.