



Pioneer Energy Services

## Computer Processed Interpretation

15-167-23985-00-00

API No.

Company **Pioneer Resources**

Well **Schwien #1**

Field **Wildcat**

County **Russell** State **Kansas**

Location **NW/NW/NW  
330' FNL / 330' FWL**

Sec: **24** Twp: **15S** Rge: **15W**

Permanent Datum **Ground Level** Elevation **1893**

Log Measured From **Kelly Bushing** 5 Ft. Above Perm. Datum

Drilling Measured From **Kelly Bushing**

Other Services  
DIL/CNL/CDL  
Elevation  
K.B. 1898  
D.F. 1893  
G.L. 1893

Date Recorded 11/7/2014

Depth Logger 3438

Curve Definitions

SW Water Saturation

SXO Water Saturation In The Flushed Zone

VCL Volume Of Clay

PHIE Density - Neutron Crossplot Shale Corrected

BVW Bulk Volume Water

BVWSXO Bulk Volume Water In Flushed Zone

DCAL Caliper

SPC SP Corrected For Baseline

DGA Apparent Grain Density

Payflag If: PHIE > 2, VCL < 40, SPC > -10, SW < 50 & DCAL < 11

Recorded By R. Barnhart

Witnessed By Cliff Ottaway

Analysis By T. Martin

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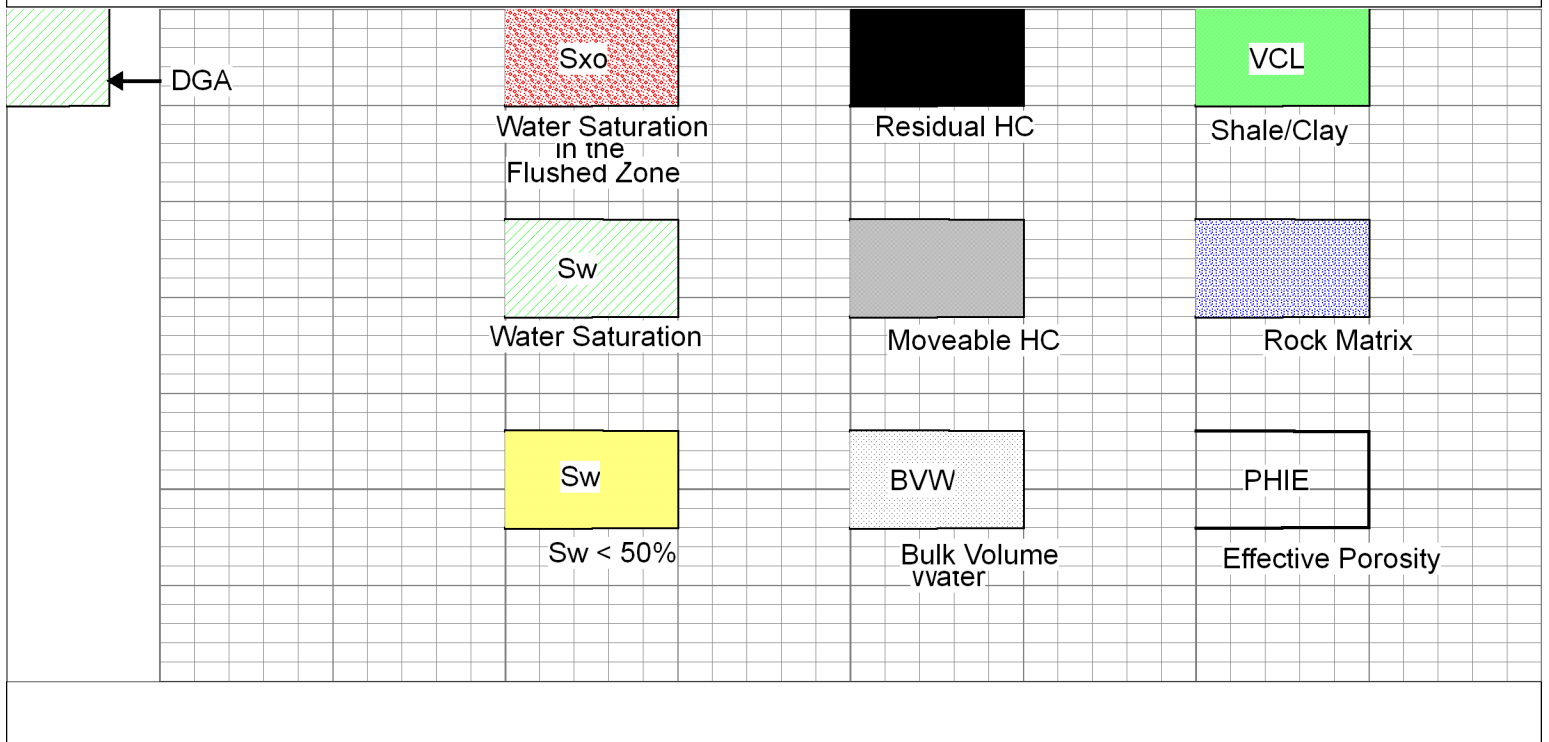
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### Comments

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Russell, KS:  
W to Balta Exit: 9 1/2S, 1W, 1N, E into

Database File: c:\warrior\data\cross plots\2wxplt.db  
 Dataset Pathname: litho  
 Presentation Format: 2wxplt  
 Dataset Creation: Thu Apr 24 14:32:02 1997  
 Charted by: Depth in Feet scaled 1:240



Database File: pioneerres\_hd.db  
 Dataset Pathname: dil/prcpi  
 Presentation Format: calc  
 Dataset Creation: Fri Nov 07 12:39:26 2014  
 Charted by: Depth in Feet scaled 1:240

DGA	0	Gamma Ray	150	1	SW	0	0.3	PHIE	0	0	VCL	1	
2.6	3.1	6	DCAL (GAPI)	16	30	PAYFLAG	0	0.3	BVW	0	1	PHIE	0
		-150	SPC (mV)	0	1	SXO	0	0.3	BVWSXO	0			

