



Pioneer Energy Services

## Computer Processed Interpretation

15-135-25457-00-00

**Company** American Warrior, Inc.  
**Well** Meyer - Freda Unit #1  
**Field** Margheim  
**County** Ness **State** Kansas

**Location**

40' FNL & 335' FWL

Other Services  
 DIL/CNL/CDL

Sec: 21 Twp: 19S Rge: 21W

Elevation

**Permanent Datum** Ground Level Elevation 2240  
**Log Measured From** Kelly Bushing 6 Ft. Above Perm. Datum  
**Drilling Measured From** Kelly Bushing

K.B. 2246  
 D.F. 2240  
 G.L. 2240

**Date Recorded** 10/28/2012

**Depth Logger** 4369

Curve Definitions

**SW** Water Saturation

**SXO** Water Saturation In The Flushed Zone

**VCL** Volume Of Clay

**PHIE** Density - Neutron Crossplot Shale Corrected

**BWV** Bulk Volume Water

**BWMSXO** 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** D. Schmidt

**Witnessed By** Jason Alm

**Analysis By** T. Martin

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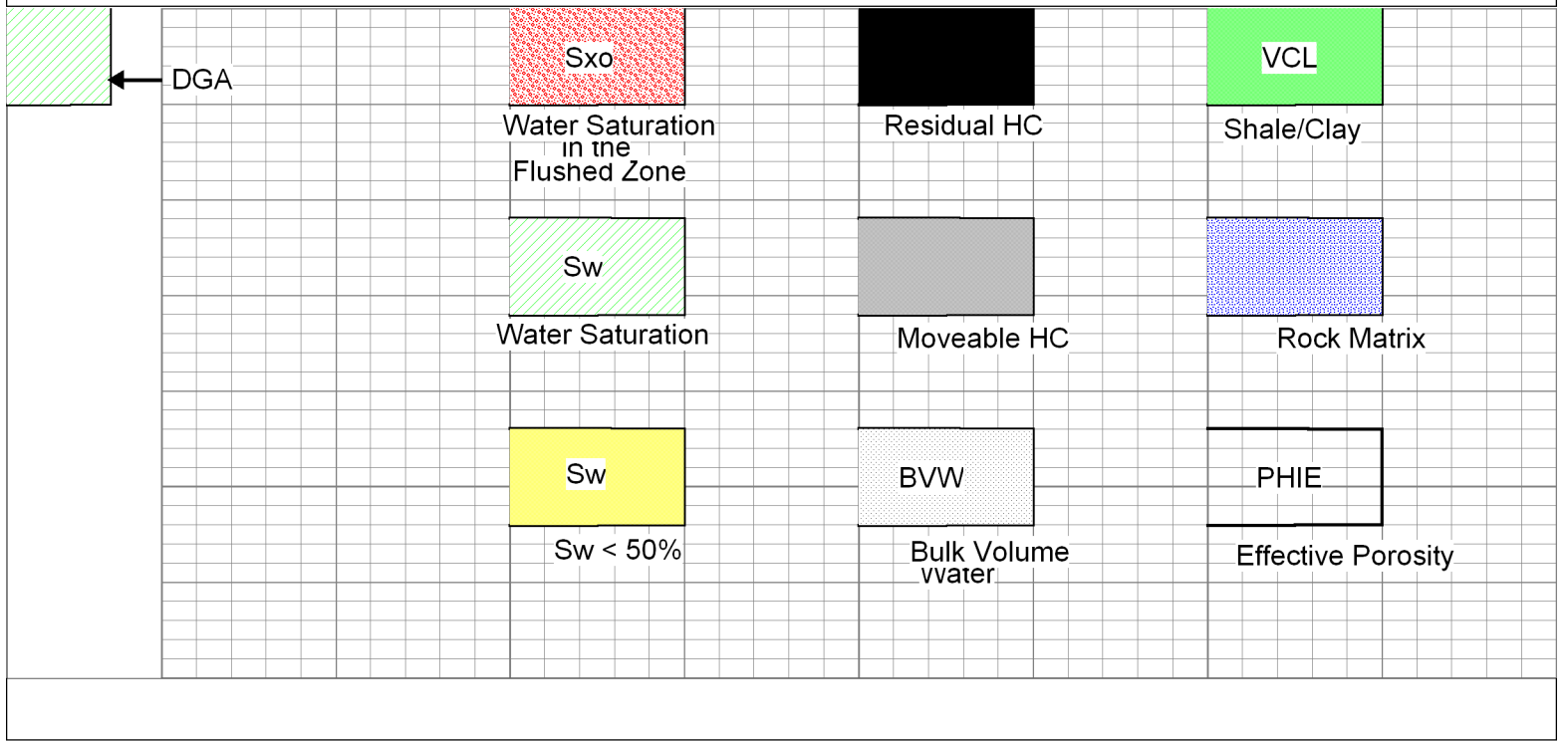
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### Comments

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Alexander,  
 4 West to GG Rd, 3 South to 100 Rd, 1 West to FF Rd,  
 1 South, East 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: amwar\_102812hd.db  
 Dataset Pathname: dil/awcpi  
 Presentation Format: calc  
 Dataset Creation: Sun Oct 28 16:28:11 2012  
 Charted by: Depth in Feet scaled 1:240

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

