



Pioneer Energy Services

Computer Processed Interpretation

API No.		Company American Warrior, Inc.			
15-135-25,761-00-00		Well BCB Unit #1		Field Schoolhouse North	
		County Ness		State Kansas	
		Location 1150' FSL & 220' FWL			
		Sec: 20		Twp: 17S Rge: 21W	
		Other Services DIL/CNL/CDL			
Permanent Datum Ground Level		Log Measured From Kelly Bushing		Elevation 2227	
Drilling Measured From		Kelly Bushing		6 Ft. Above Perm. Datum	
Date Recorded		5/12/2014		K.B. 2233 D.F. 2227 G.L. 2227	
Depth Logger		4318		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			
BVMSXO		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.Kerr			
Witnessed By		Jason Alm			
Analysis By		Dale Legleiter			

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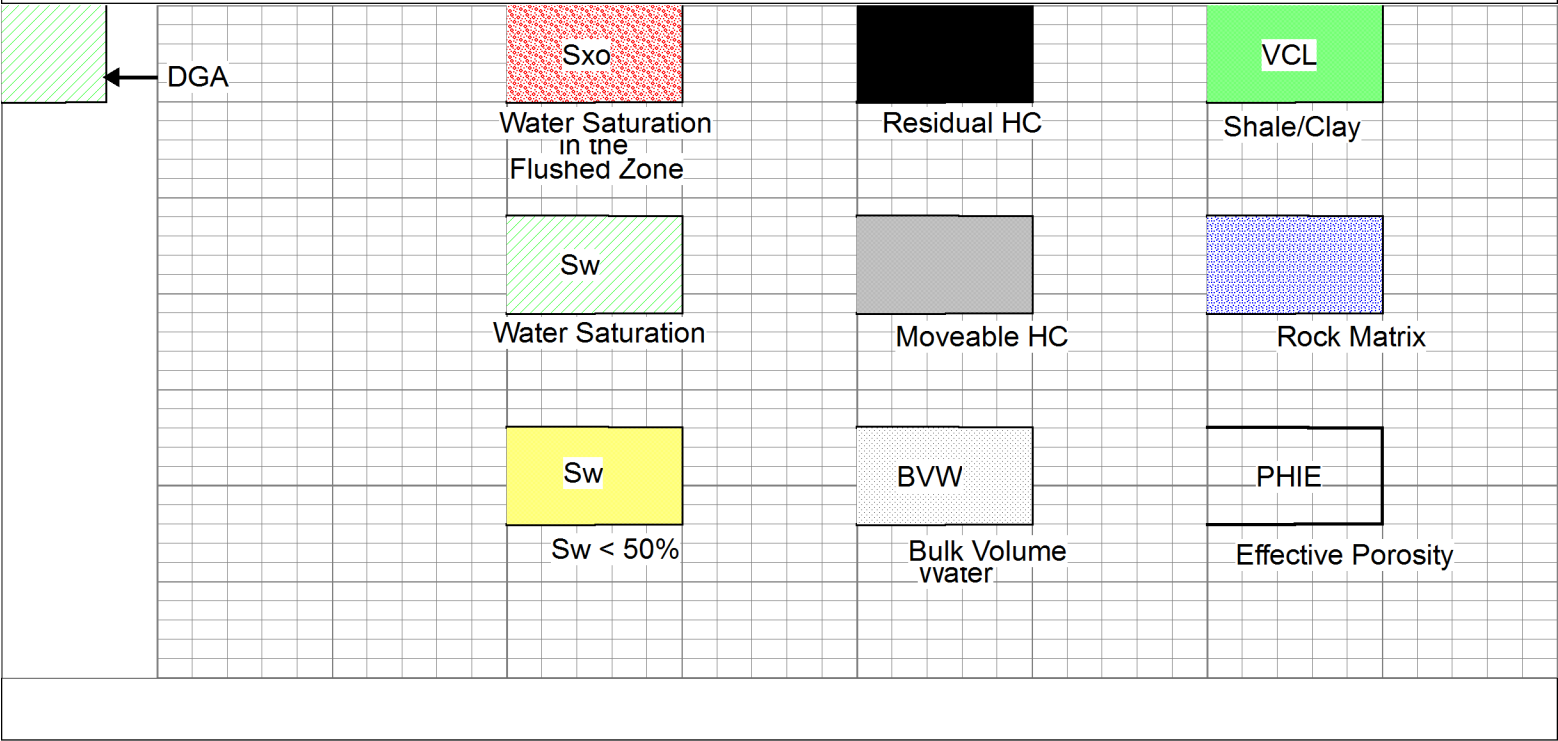
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

McCracken KS, South Edge, 5 West to GG RD,
1 South, 2 West to EE RD, 3/4 South, East Into

Database File: c:\warrior\data\cross plots\2wxplt.db
Dataset Pathname: litho
Presentation Format: 2wxplt



Database File: c:\warrior\data\amwar_bcb unit #1\amwarrior_bcbunit_1hd.db

Dataset Pathname: cpi/awcpi

Presentation Format: calc

Dataset Creation: Tue May 13 12:33:00 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	16	30	PAYFLAG	0	0.3	BVW	0	1	PHIE	0
		-150	SPC (mV)	0	1	SXO	0	0.3	BVWSXO	0			

