



**Computer Processed
Interpretation**

Company **AMERICAN WARRIOR, INC.**
Well **MELVIN NO. 2-16 UNIT**
Field **MANTZ SOUTHEAST**
County **NESS**
State **KANSAS**

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County **NESS** State **KANSAS**

Location: API #: 15-135-25885-00-00
900' FSL & 2675' FWL;
SEC 16 TWP 18S RGE 21W
Permanent Datum **GROUND LEVEL** Elevation **2167'**
Log Measured From **KELLY BUSHING**
Drilling Measured From **KELLY BUSHING**
Other Services
DIL/CNL/CDL
Elevation
K.B. 2175'
D.F. N/A
G.L. 2167'

Date Recorded	8/30/15
Depth Logger	4261'
	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	J. HENRICKSON
Witnessed By	JASON ALM
Analysis By	TIM MARTIN

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All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not 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.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.
BAZINE KANSAS
2 EAST, 2 NORTH, 1/2 EAST. NORTH INTO

Log Measured From: **KELLY BUSHING** 8 Ft. Above Permanent Datum

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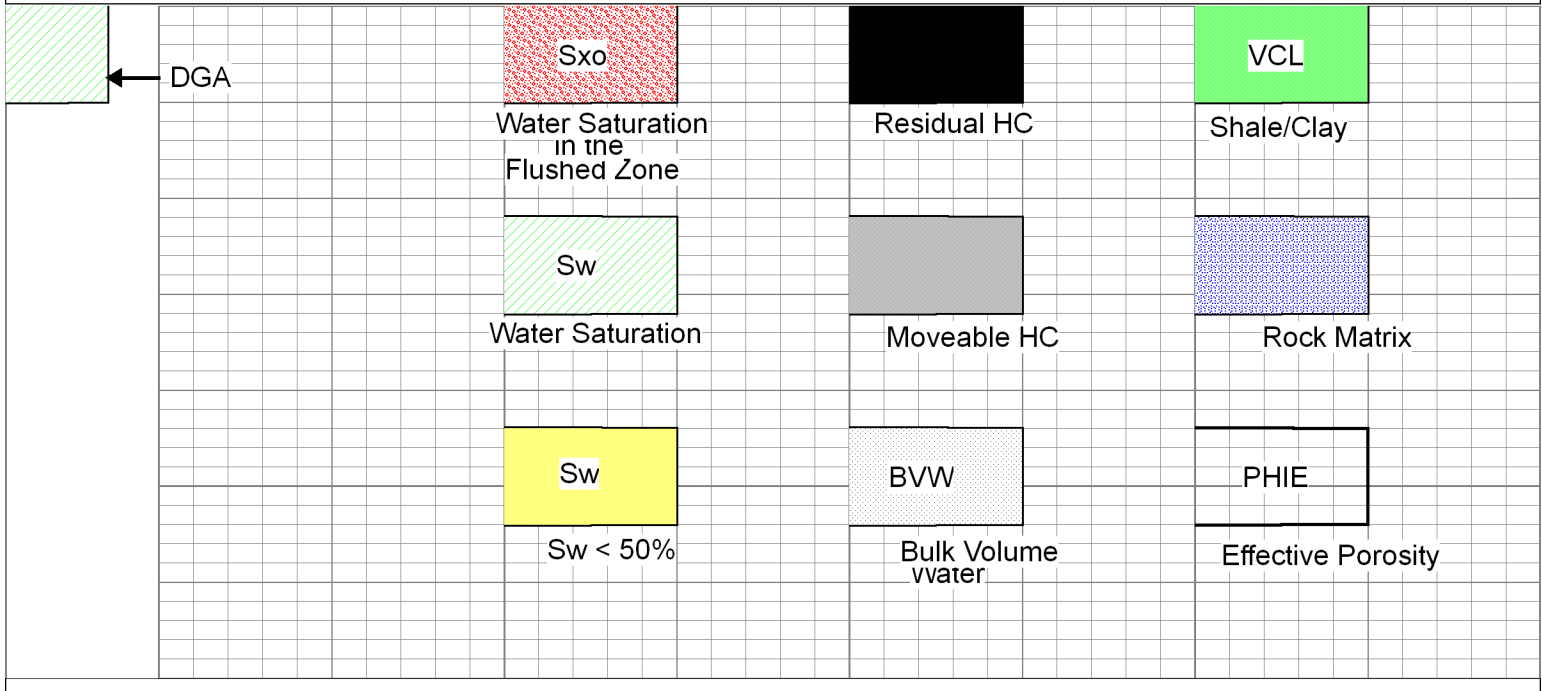
Your Pioneer Energy Services Crew

Engineer: **J. HENRICKSON**
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: **JASON ALM**
Secondary Witness:
Secondary Witness:
Secondary Witness:

Database File 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 americanwarrior_melvin_2_16_unithd.db
 Dataset Pathname DIL/awcpi
 Presentation Format calc
 Dataset Creation Sun Aug 30 20:04:35 2015
 Charted by Depth in Feet scaled 1:240

DGA	Gamma Ray	1	SW	0	0.3	PHIE	0	0	VCL	1
(g/cc)	(GAPI)	150	PAYFLAG	0	0.3	BVW	0	1	PHIE	0
2.6 3.1	DCAL (in)	16	SXO	0	0.3	BVWSXO	0			
	SPC	0								

