

PIONEER
Pioneer Energy Services

**DUAL COMPENSATED
POROSITY LOG**

Company	AMERICAN WARRIOR, INC.
Well	REIN #5-23
Field	SCHABEN NORTHWEST
County	NESS
State	KANSAS

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Location:	API # : 15-135-25872-00-00	Other Services
530' FNL & 2300' FEL		
SEC 23 TWP 19S RGE 22W		
Permanent Datum	GROUND LEVEL	Elevation 2224
Log Measured From	KELLY BUSHING	K.B. 2232
Drilling Measured From	KELLY BUSHING	D.F. N/A
		G.L. 2224

Date	6/24/2015				
Run Number	ONE				
Type Log	CNL/CDL				
Depth Driller	4372				
Depth Logger	4368				
Bottom Logged Interval	4366				
Top Logged Interval	3600				
Type Fluid In Hole	CHEMICAL				
Salinity, PPM CL	5,700				
Density	9.1				
Level	Full				
Max. Rec. Temp. F	120				
Operating Rig Time	3 Hours				
Equipment -- Location	15 HAYS				
Recorded By	J. HENRICKSON				
Witnessed By	JASON ALM				

Borehole Record			Casing Record		
Run No.	Bit	From	To	Size	Wgt. 24#
1	12.25	00	230	8.625	
2	7.875	230	4372		

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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
4 SOUTH, 1 1/2 WEST, SOUTH INTO

Log Measured From: KELLY BUSHING

8 Ft. Above Permanent Datum

THANK YOU FOR USING PIONEER ENERGY SERVICES

www.pioneerenergy.com785-625-3858

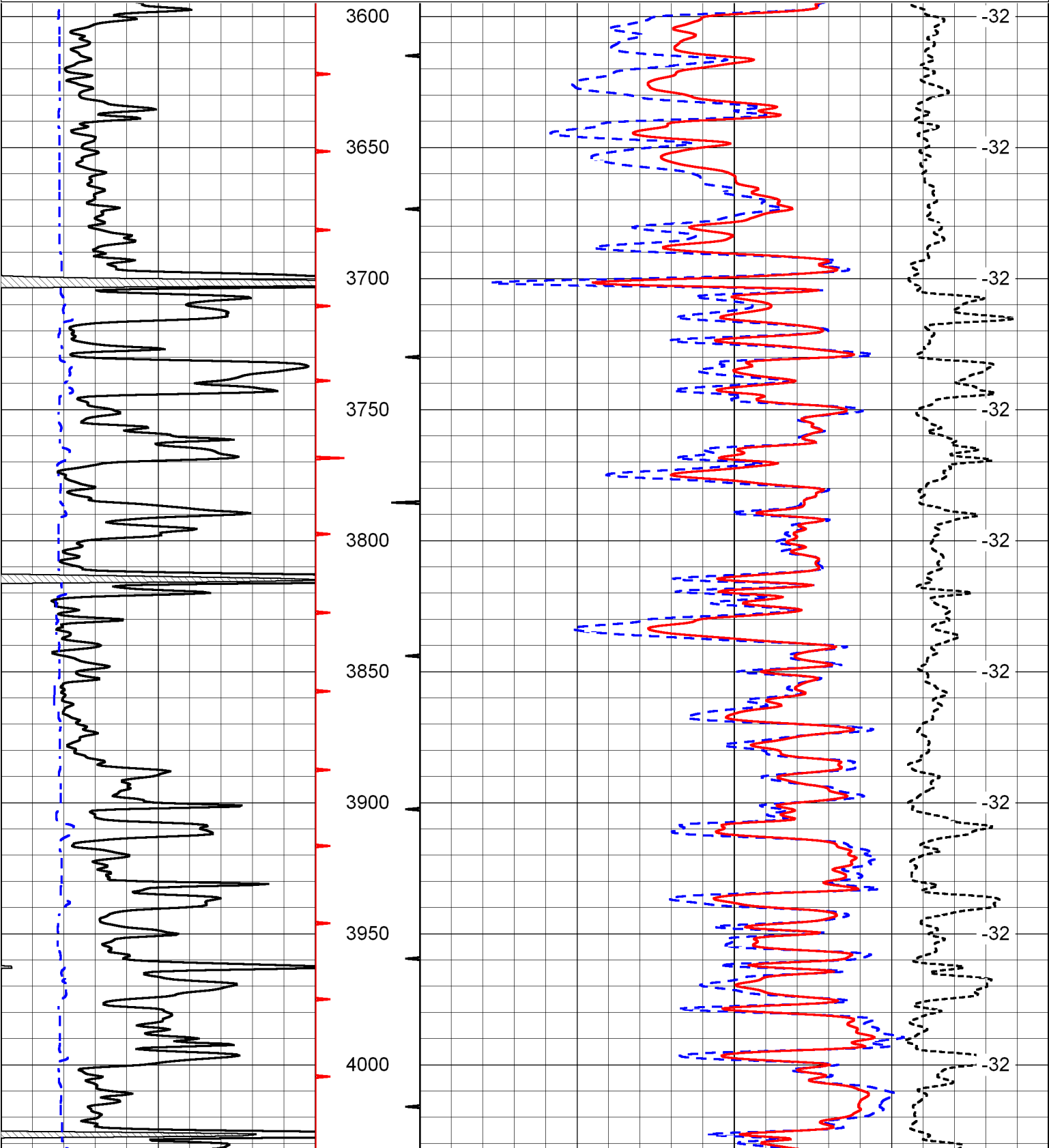
Your Pioneer Energy Services Crew

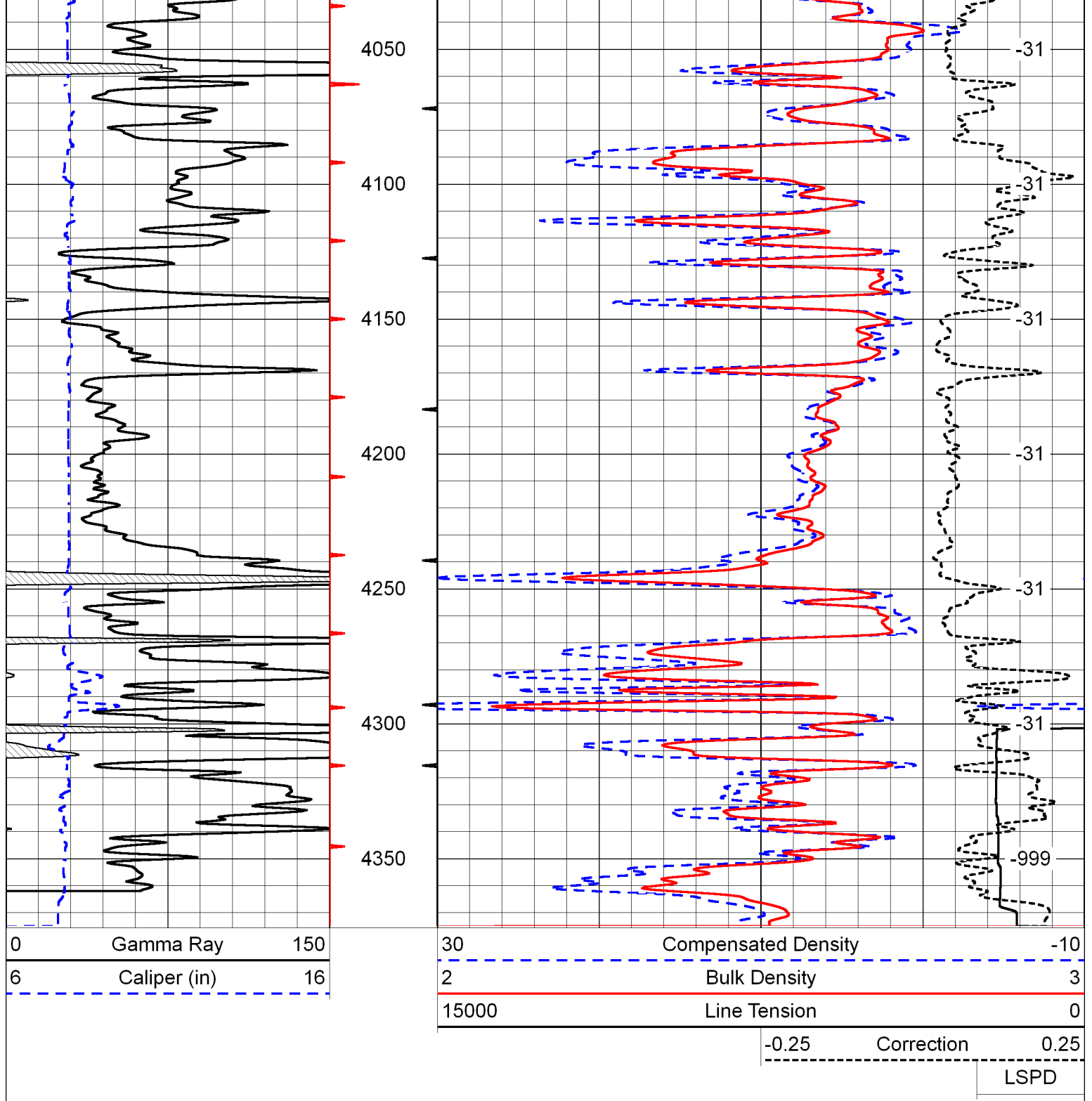
Engineer: J. HENRICKSON
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

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

0	Gamma Ray	150	30	Compensated Density	-10
6	Caliper (in)	16	2	Bulk Density	3
			15000	Line Tension	0
			-0.25 Correction 0.25		LSPD





Database File	amwar_rein #5-23\american_warrior_rein_5_23hd.db
Dataset Pathname	DIL/awstk
Presentation Format	cnslspec
Dataset Creation	Wed Jun 24 03:24:31 2015
Charted by	Depth in Feet scaled 1:240

0	Gamma Ray	150	30	Compensated Neutron (Limestone)	-10
6	Caliper (in)	16	30	Compensated Density (Limestone)	-10
			15000	Line Tension	0
				-0.25	Correction 0.25
					LSPD

