



DUAL COMPENSATED POROSITY LOG

Pioneer Energy Services

Company TDI, INC.
Well MARCOTTE #1
Field HAYDEN NORTHWEST
County ROOKS State KANSAS

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Location: API #: 15-163-24297-00-00
1285' FSL & 1190' FWL
SEC 29 TWP 8S RGE 19W
Permanent Datum GROUND LEVEL Elevation 2034
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING
Other Services
DIL MEL
Elevation
K.B. 2044
D.F. N/A
G.L. 2034

Date 7/10/2015

Run Number ONE
Type Log CNL/CDL
Depth Driller 3580
Depth Logger 3582
Bottom Logged Interval 3561
Top Logged Interval 2100
Type Fluid In Hole CHEMICAL
Salinity, PPM CL 1200
Density 9.4
Level Full
Max. Rec. Temp. F 112
Operating Rig Time 4 Hours
Equipment -- Location 91 HAYS
Recorded By D. SCHMIDT
Witnessed By TOM DENNING

Borehole Record
Casing Record

Run No.	Bit	From	To	Size	Wgt.	From	To
1	12.25	00	229	8.625	24#	00	229
2	7.875	229	3580				

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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.

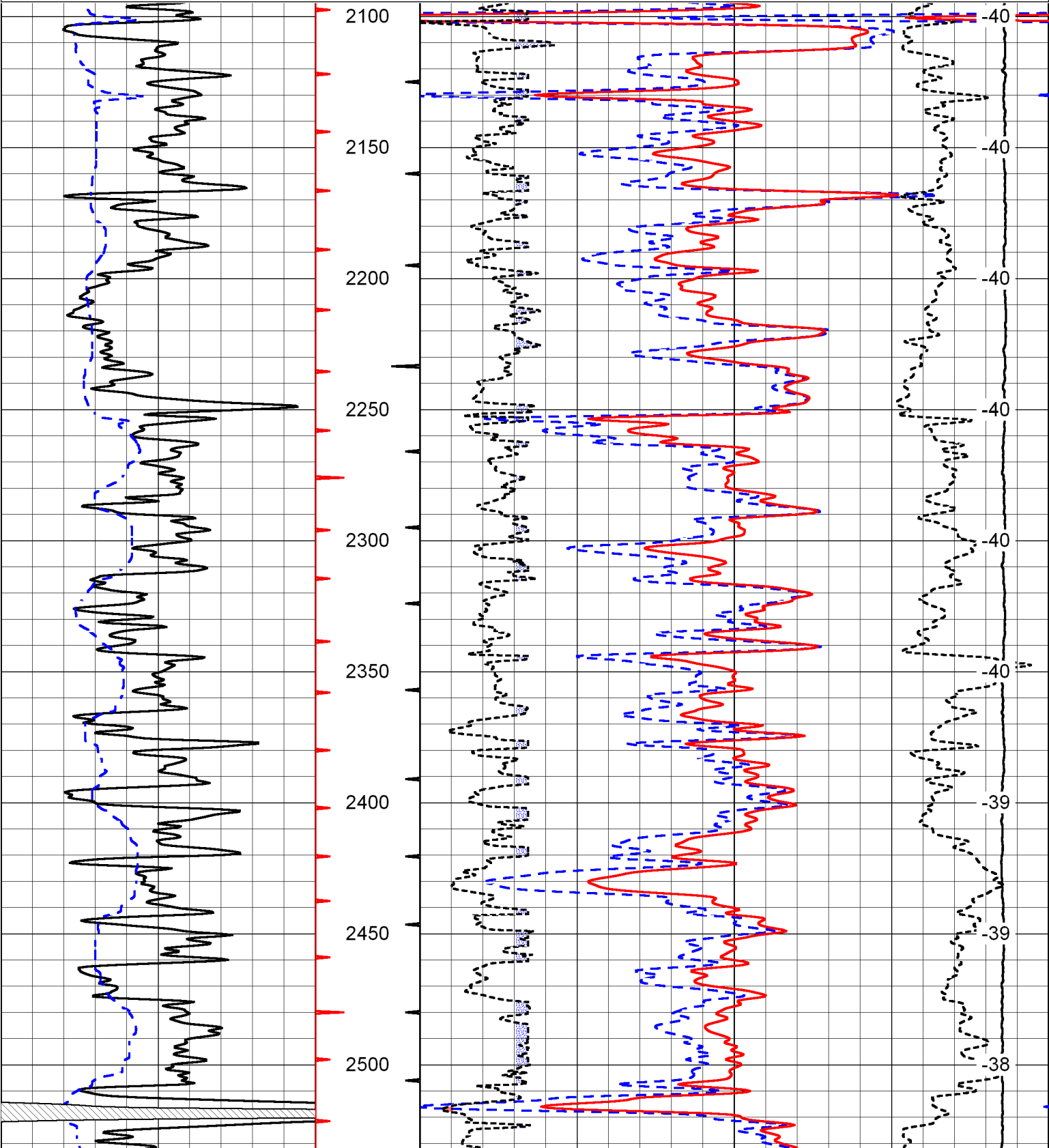
Comments

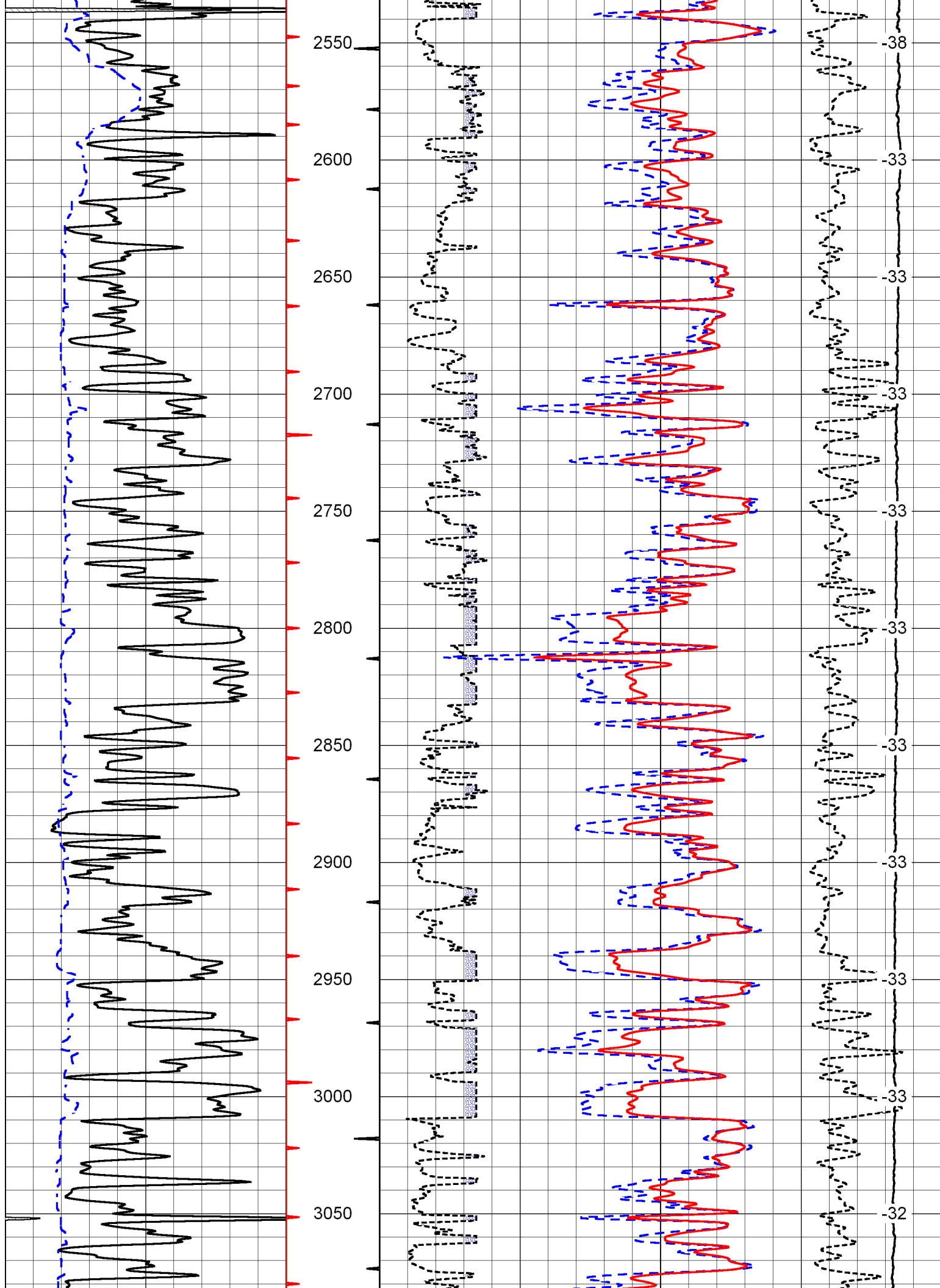
N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.
ZURICH,
6 NORTH, 1 3/4 WEST,
NORTH INTO

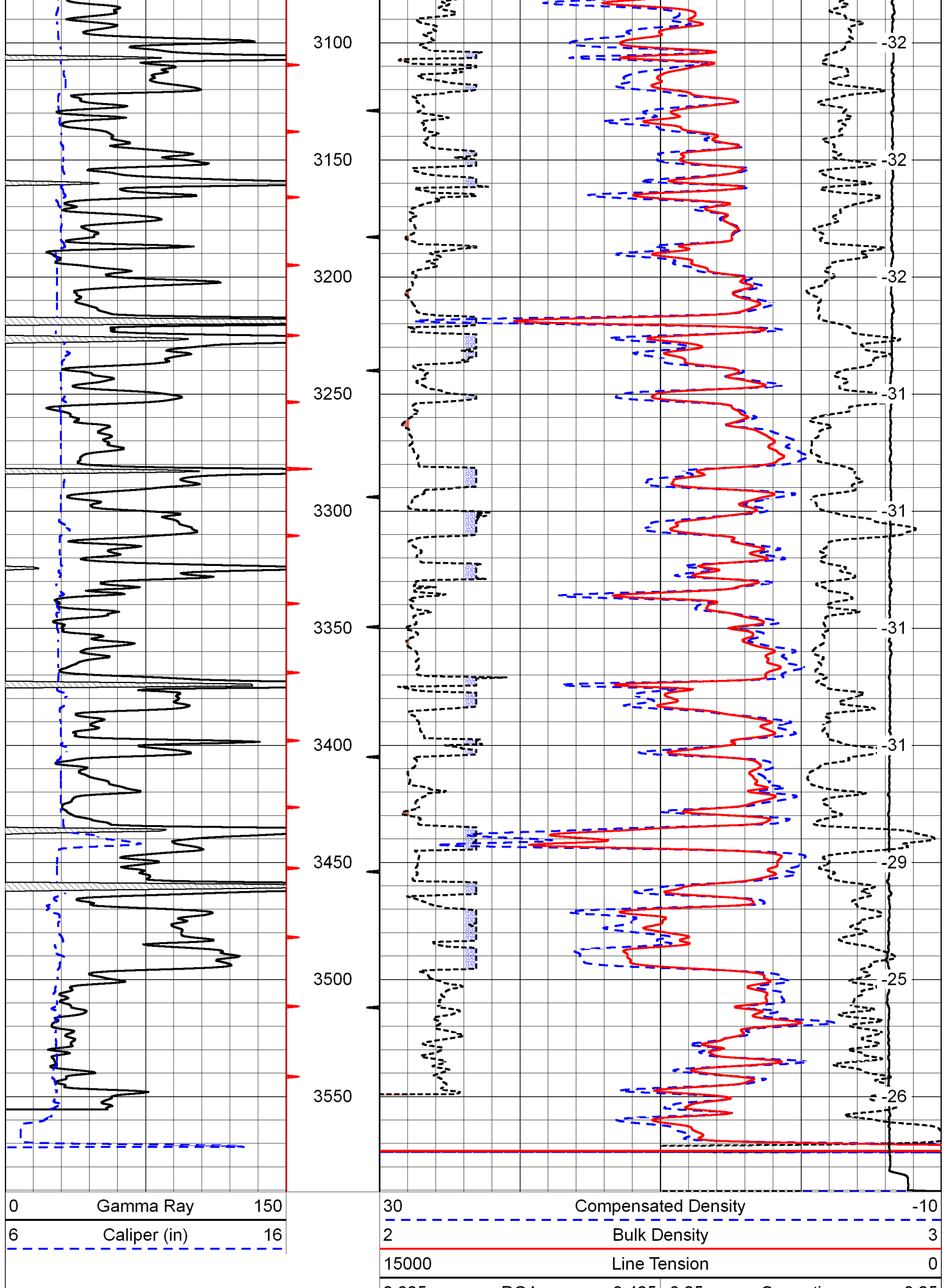
Log Measured From: KELLY BUSHING 10 Ft. Above Permanent Datum
THANK YOU FOR USING PIONEER ENERGY SERVICES
www.pioneerenergy.com 785-625-3858

Your Pioneer Energy Services Crew	This Log Record Was Witnessed By
Engineer: D. SCHMIDT Operator: Operator: Operator:	Primary Witness: TOM DENNING Secondary Witness: HERB DEINES Secondary Witness: Secondary Witness:

0	Gamma Ray	150	30	Compensated Density		-10
6	Caliper (in)	16	2	Bulk Density		3
			15000	Line Tension		0
			2.625	DGA	3.425 -0.25	Correction 0.25
						LSPD







2.625	DGA	3.425	-0.25	Correction	0.25
					LSPD

Database File		tdi_marcotte #1\tdi_marcotte_1hd.db						
Dataset Pathname		DIL/tdstack						
Presentation Format		cndlspec						
Dataset Creation		Fri Jul 10 10:02:11 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	
			2.625	DGA	3.425	-0.25	Correction	0.25
								LSPD

