



DUAL COMPENSATED POROSITY LOG

Pioneer Energy Services

Company RANGE OIL COMPANY, INC.
Well JACOBSON #1
Field PANTHER RANCH SW
County CHASE
State KANSAS

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Location: API #: 15-017-20922-00-00
2870' FNL & 1570' FWL
SEC 31 TWP 19S RGE 6E
Permanent Datum GROUND LEVEL Elevation 1452
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING
Other Services
DIL
MEL
Elevation
K.B. 1458
D.F. N/A
G.L. 1452

Date 6/12/2015

Run Number ONE
Type Log CNL/CDL
Depth Driller 2310
Depth Logger 2310
Bottom Logged Interval 2289 700
Top Logged Interval 1300 500
Type Fluid In Hole CHEMICAL
Salinity, PPM CL 1000
Density 9.3
Level Full
Max. Rec. Temp. F 99
Operating Rig Time 3 Hours
Equipment -- Location 91 HAYS
Recorded By D. SCHMIDT
Witnessed By KEN WALLACE

Borehole Record

Casing Record

Run No.	Bit	From	To	Size	Wgt.	From	To
1	12.25	00	202	8.625	24#	00	202
2	7.875	202	2310				

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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.

MARION,
EAST TO HWY 77 & HWY 150 JUNCTION, 8 1/4 EAST,
SOUTH INTO

Log Measured From: KELLY BUSHING 6 Ft. Above Permanent Datum

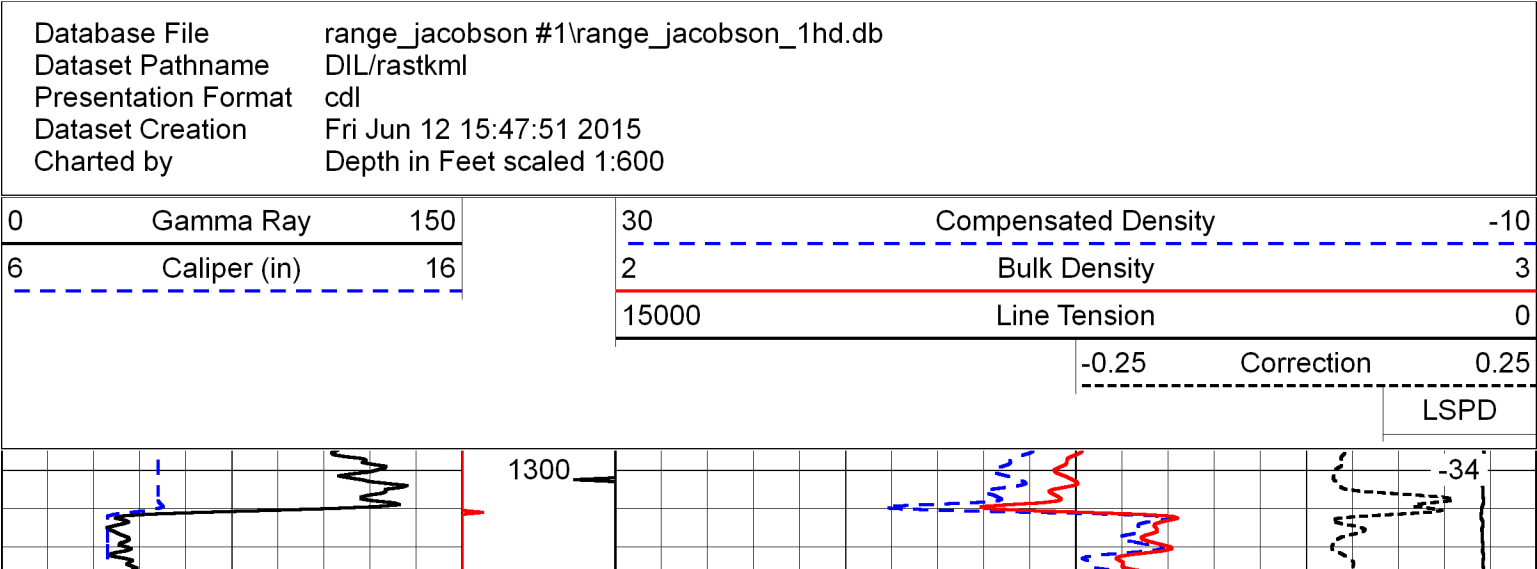
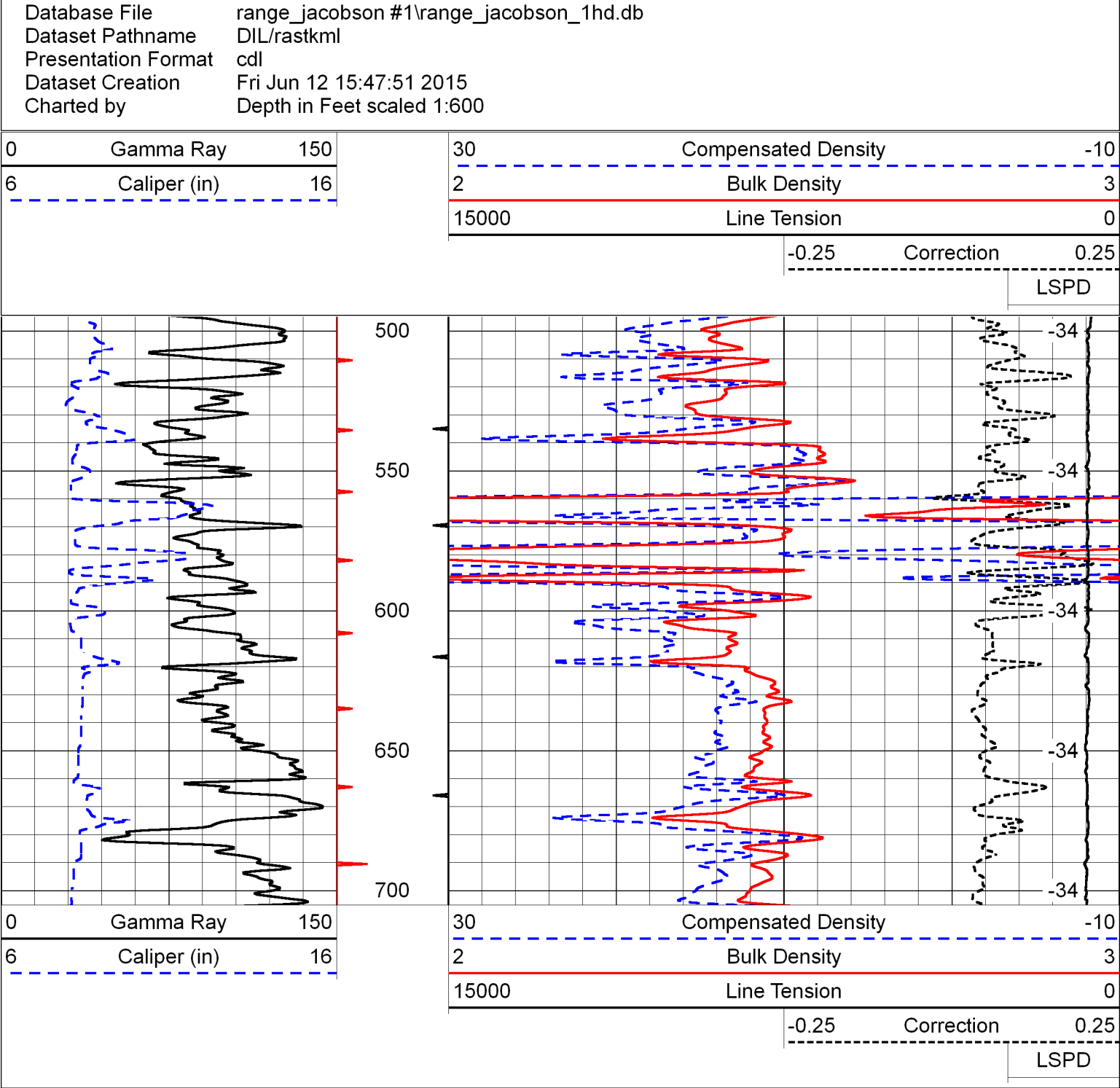
THANK YOU FOR USING PIONEER ENERGY SERVICES
www.pioneerenergy.com 785-625-3858

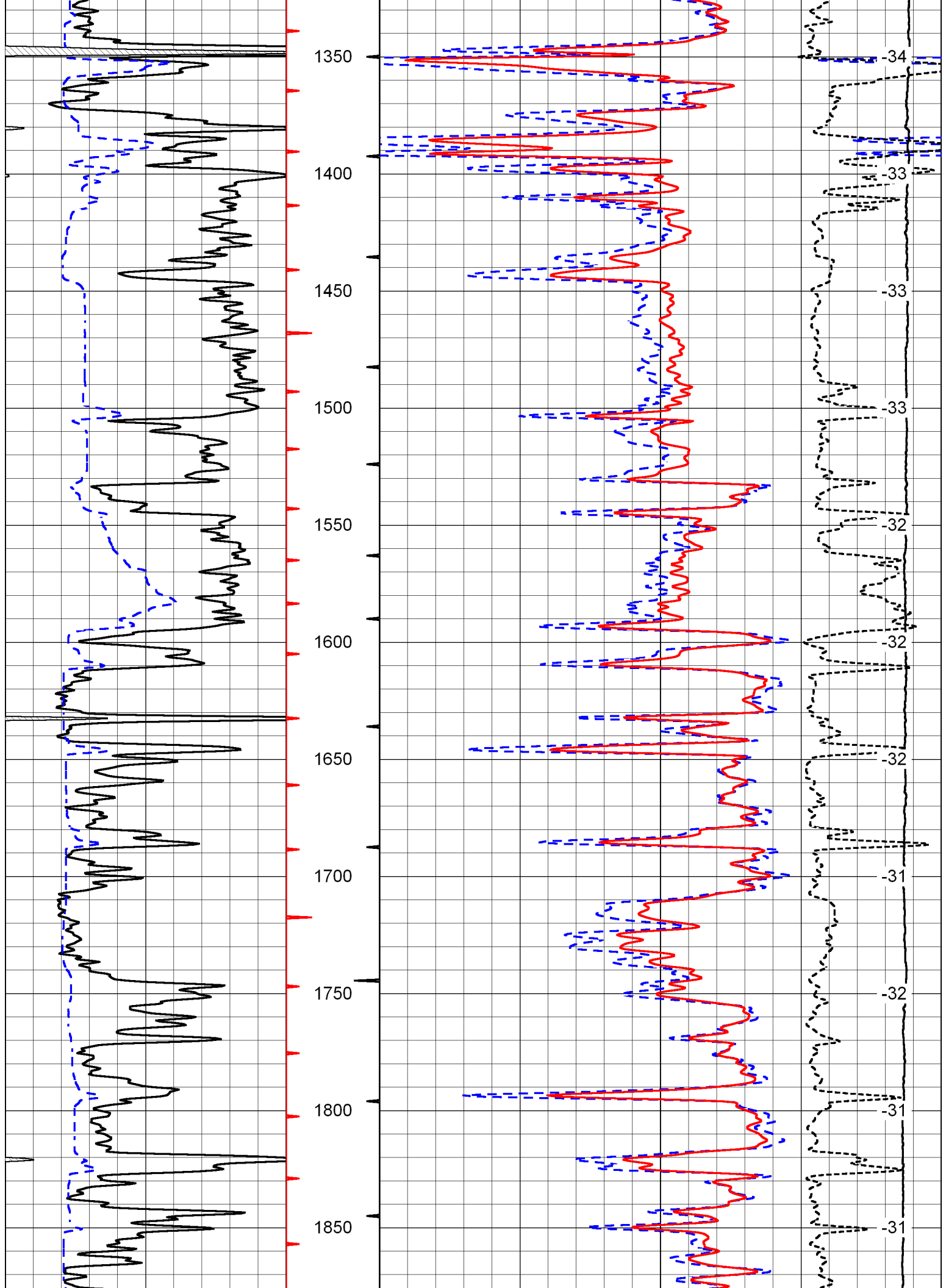
Your Pioneer Energy Services Crew

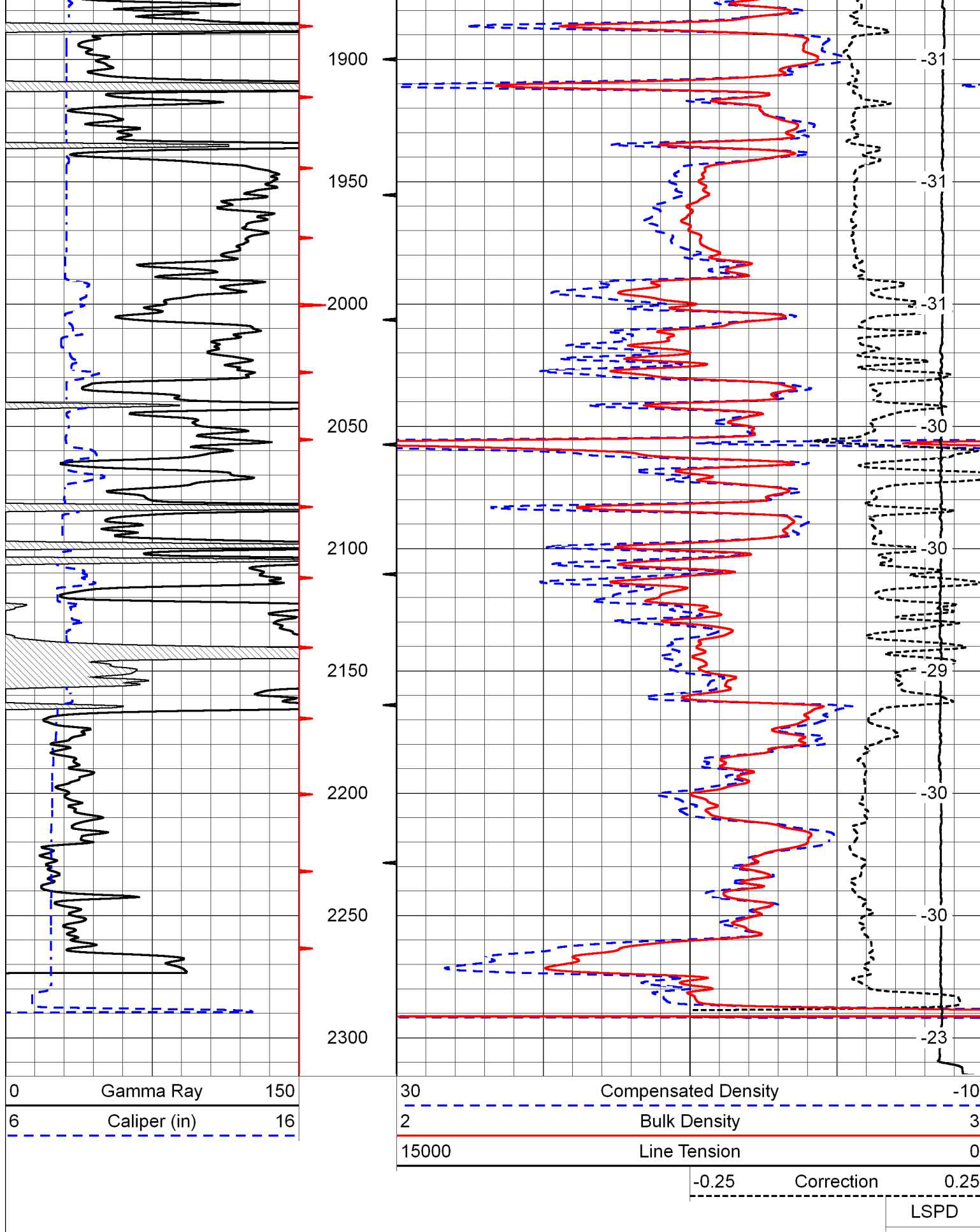
Engineer: D. SCHMIDT
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: KEN WALLACE
Secondary Witness:
Secondary Witness:
Secondary Witness:







Database File range_jacobson #1\range_jacobson_1hd.db

Dataset Pathname DIL/rastkml

Presentation Format cndlspec

File Path C:\Users\jacobson\Documents\range_jacobson_1hd.db

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

