



DIGITAL LOG

(785) 625-3858

Dual Compensated
Porosity Log

15-095-30016-00-01

API No.

Company Messenger Petroleum, Inc.

Well Donald #2 'OWWO'

Field Spivey - Grabs

County Kingman State Kansas

Location

150' S-C SW NW
2130' FNL & 660' FWLOther Services
DIL

Sec: 20 Twp: 29S Rge: 6W

Permanent Datum Ground Level Elevation 1554

Log Measured From Kelly Bushing 9 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

Elevation
K.B. 1563
D.F. 1554
G.L. 1554

Date 4/12/2012

Run Number One

Type Log CNL / CDL

Depth Driller 4350

Depth Logger 4349

Bottom Logged Interval 4328

Top Logged Interval 3600

Type Fluid In Hole Chemical

Salinity, PPM CL 39000

Density 9.3

Level Full

Max. Rec. Temp. F 120

Operating Rig Time 3 Hours

Equipment -- Location 10 Hays

Recorded By D. Schmidt

Witnessed By Jon Messenger

Borehole Record

Casing Record

Run No. Bit From To Size Wgt. From To

One 12.25 0 261 8.625 23# 0 261

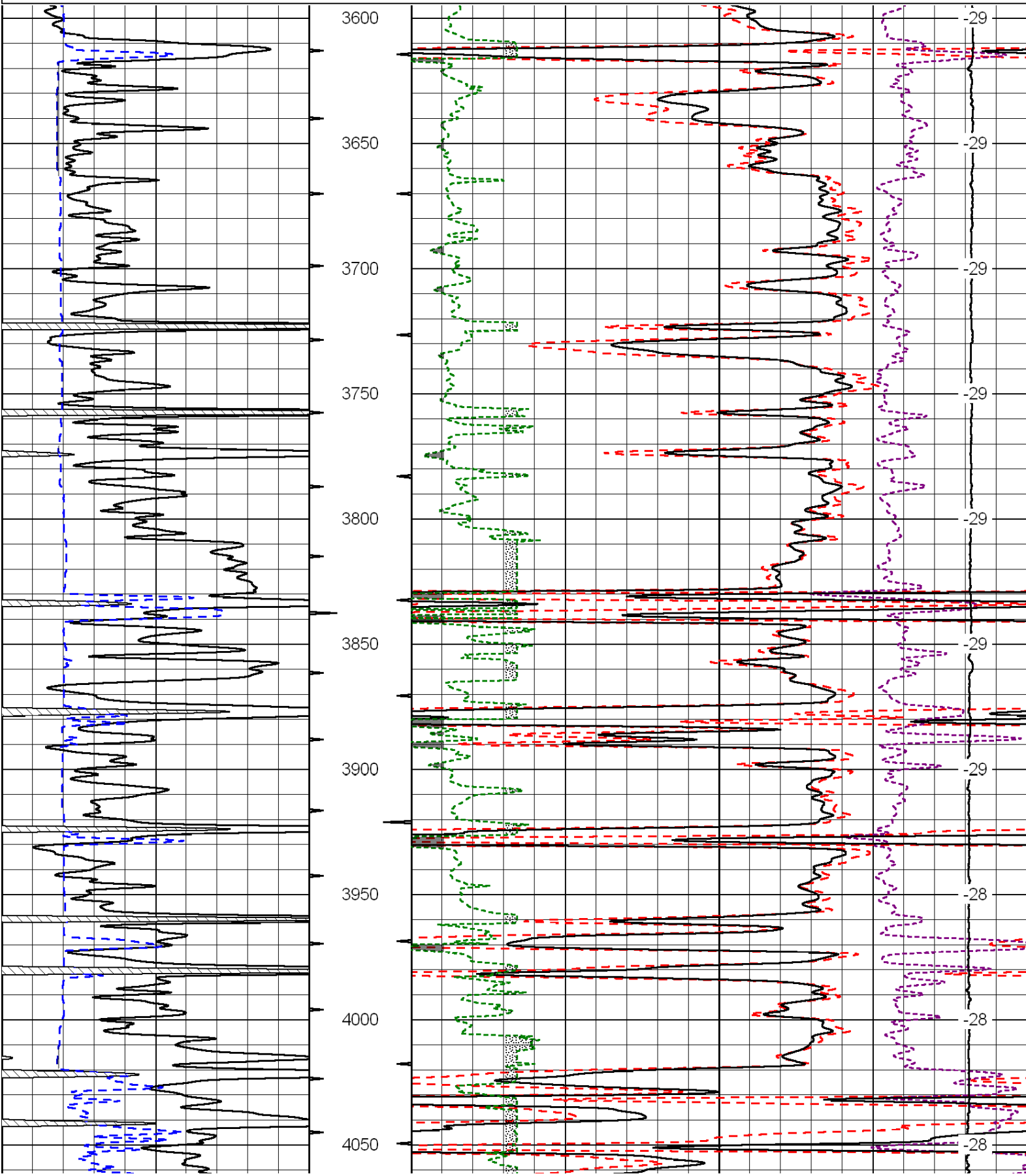
Two 7.875 261 TD

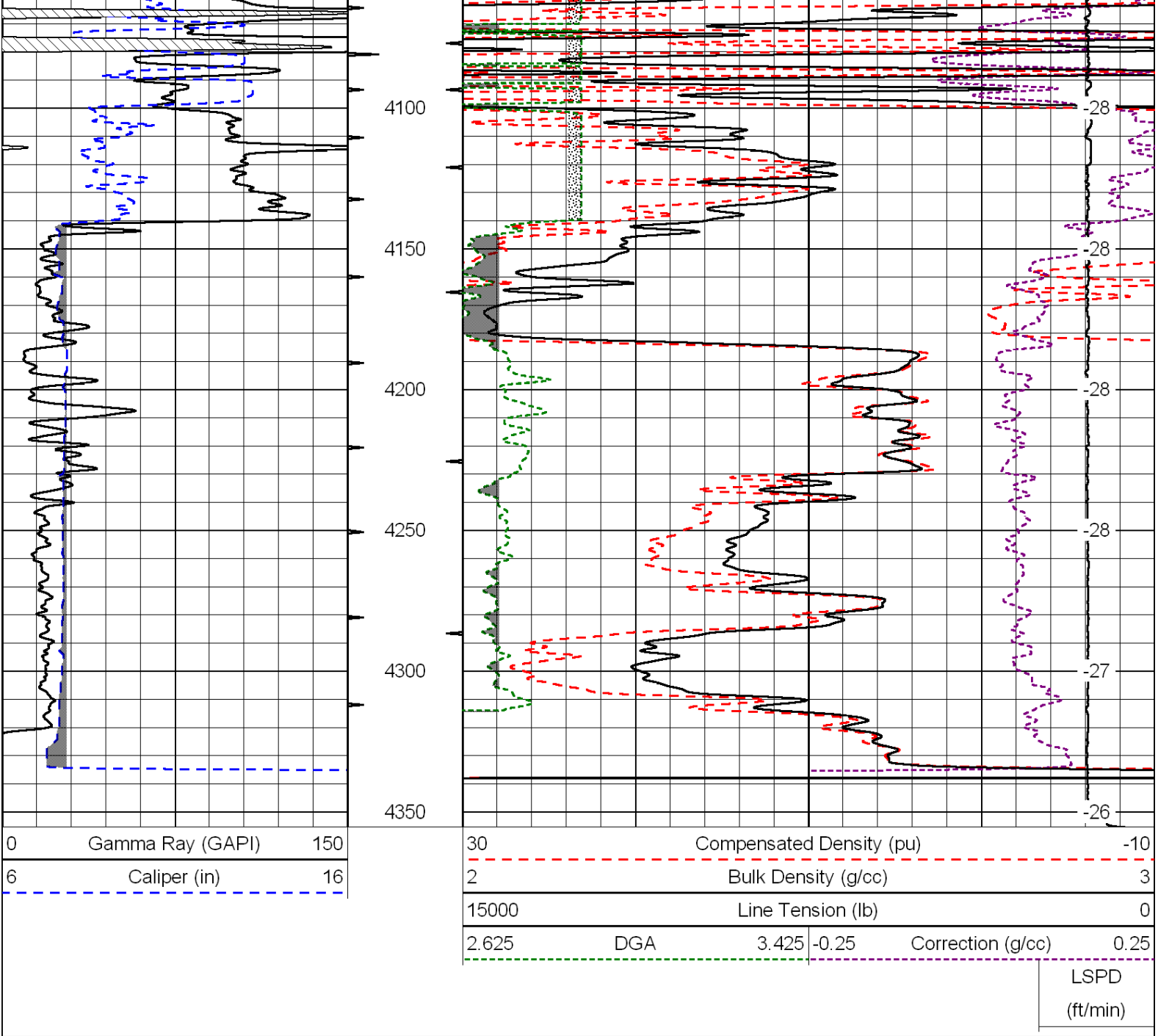
Comments

Thank you for using Log-Tech, Inc.
(785) 625-3858Kingman,
S to 90th, 4 E, 1/2 S,
E into

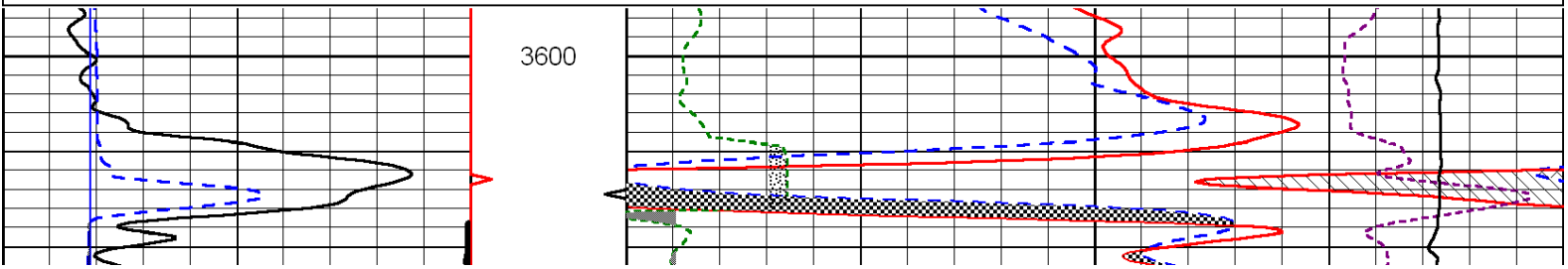
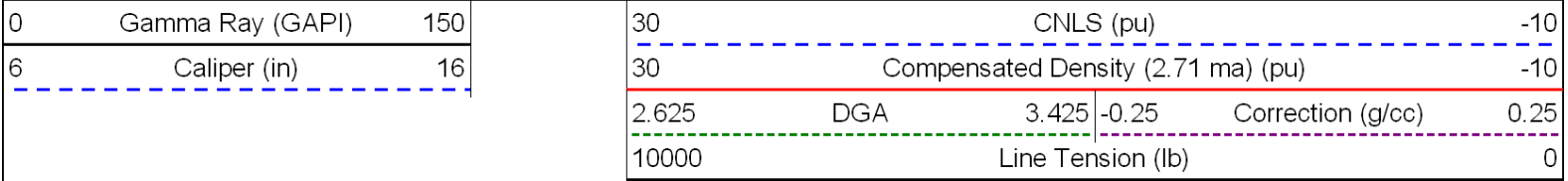
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

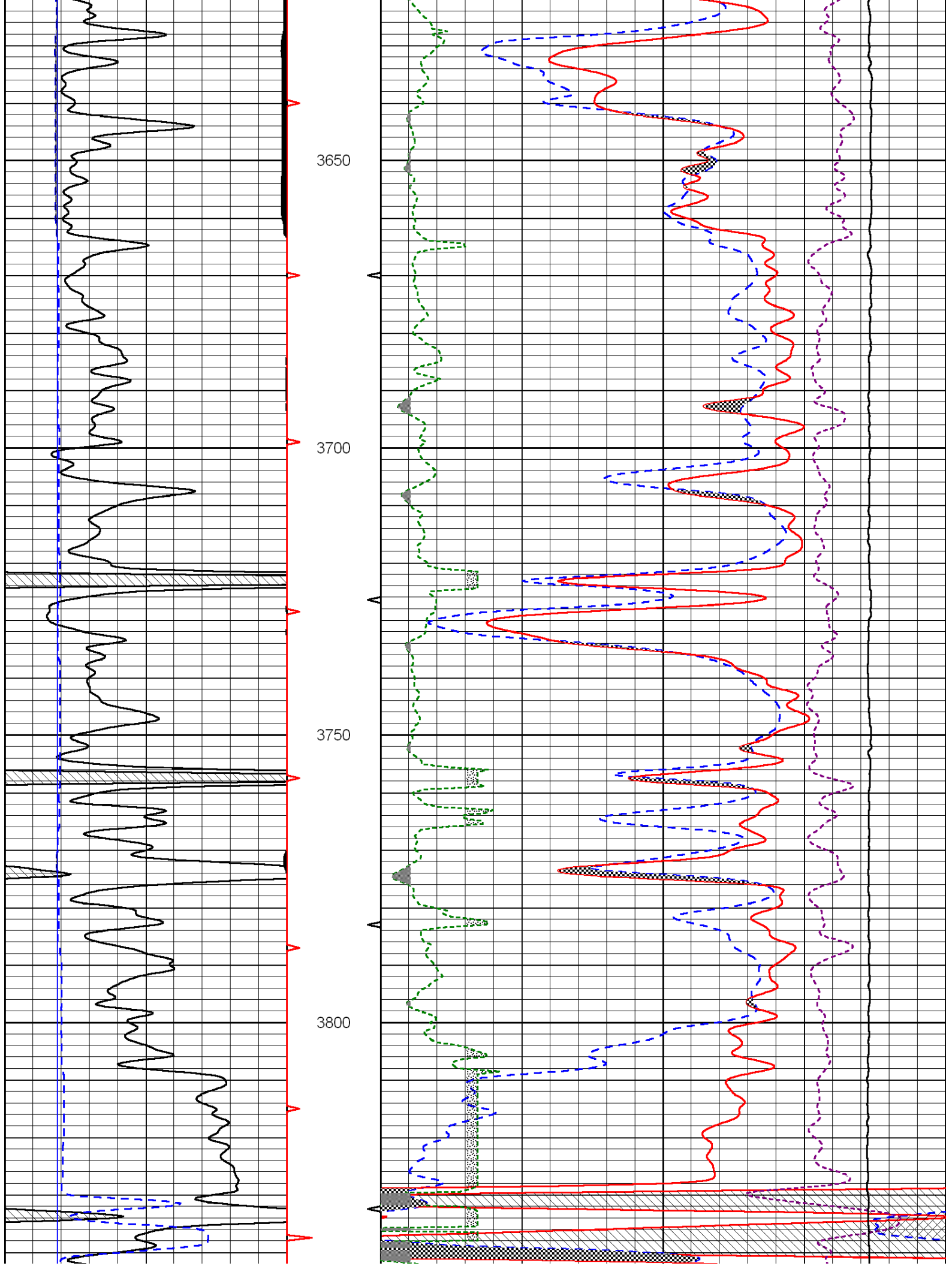
30	Compensated Density (pu)		-10
2	Bulk Density (g/cc)		3
15000	Line Tension (lb)		0
2.625	DGA	3.425	-0.25
		Correction (g/cc)	0.25
LSPD (ft/min)			

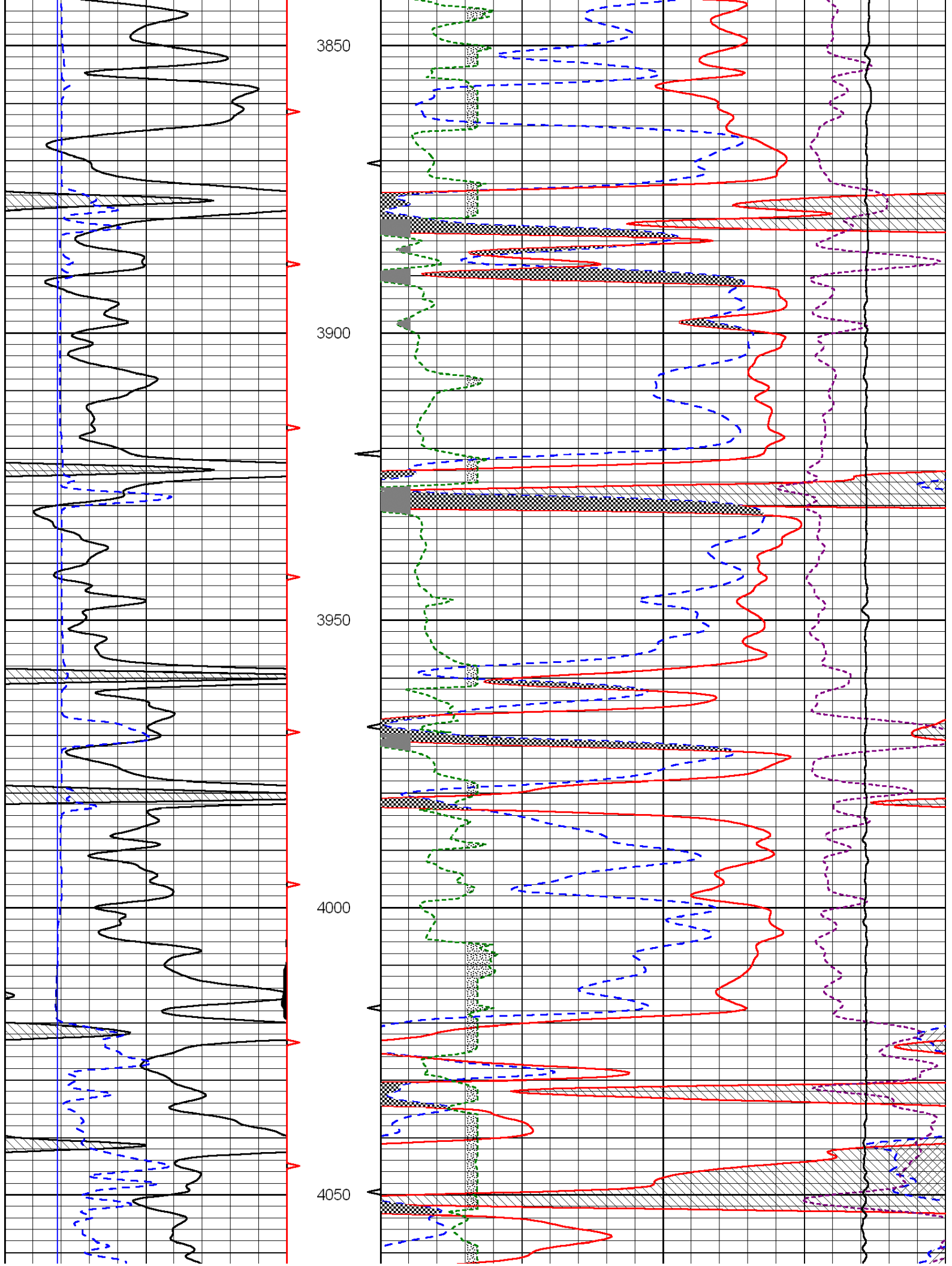


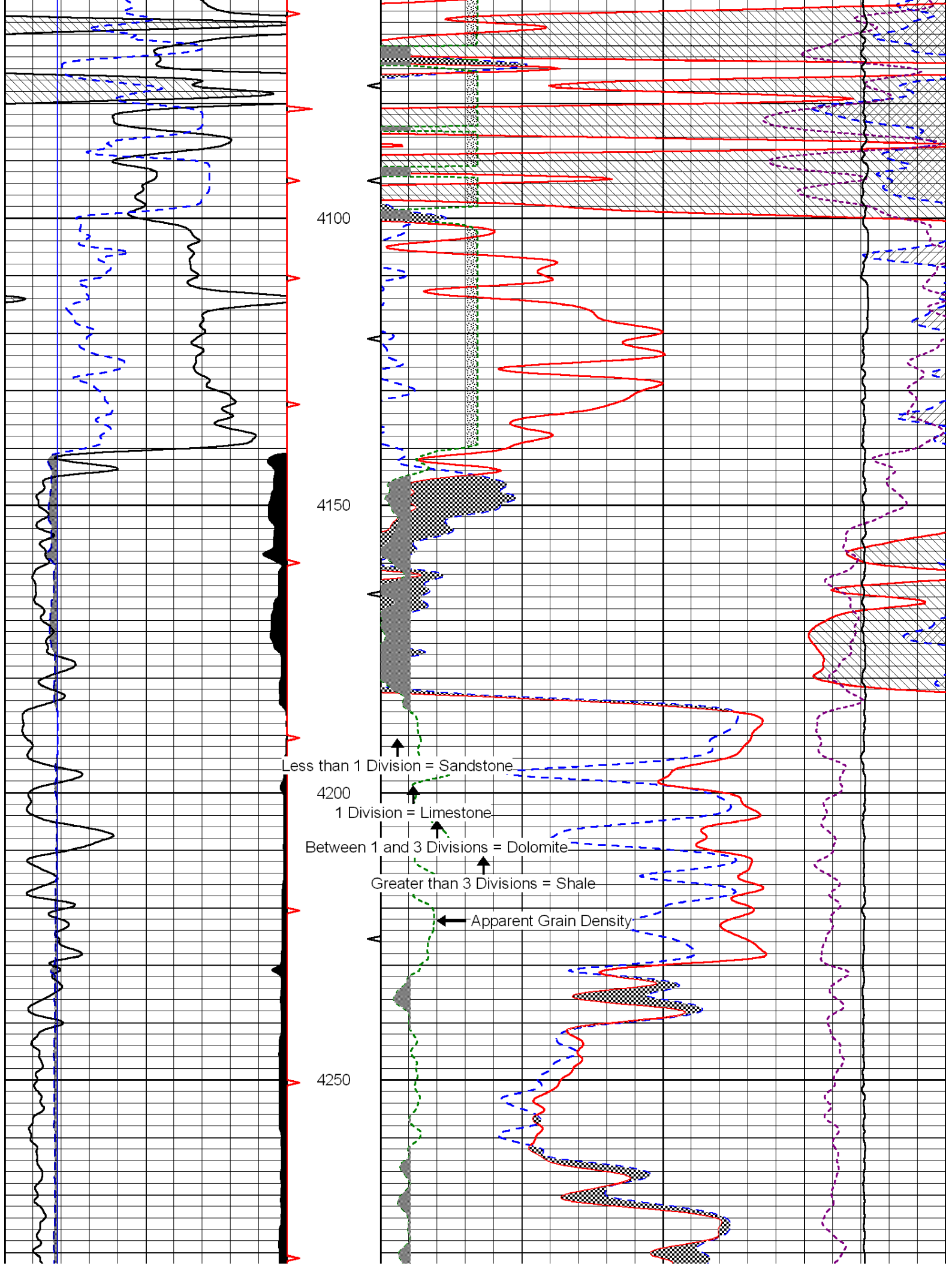


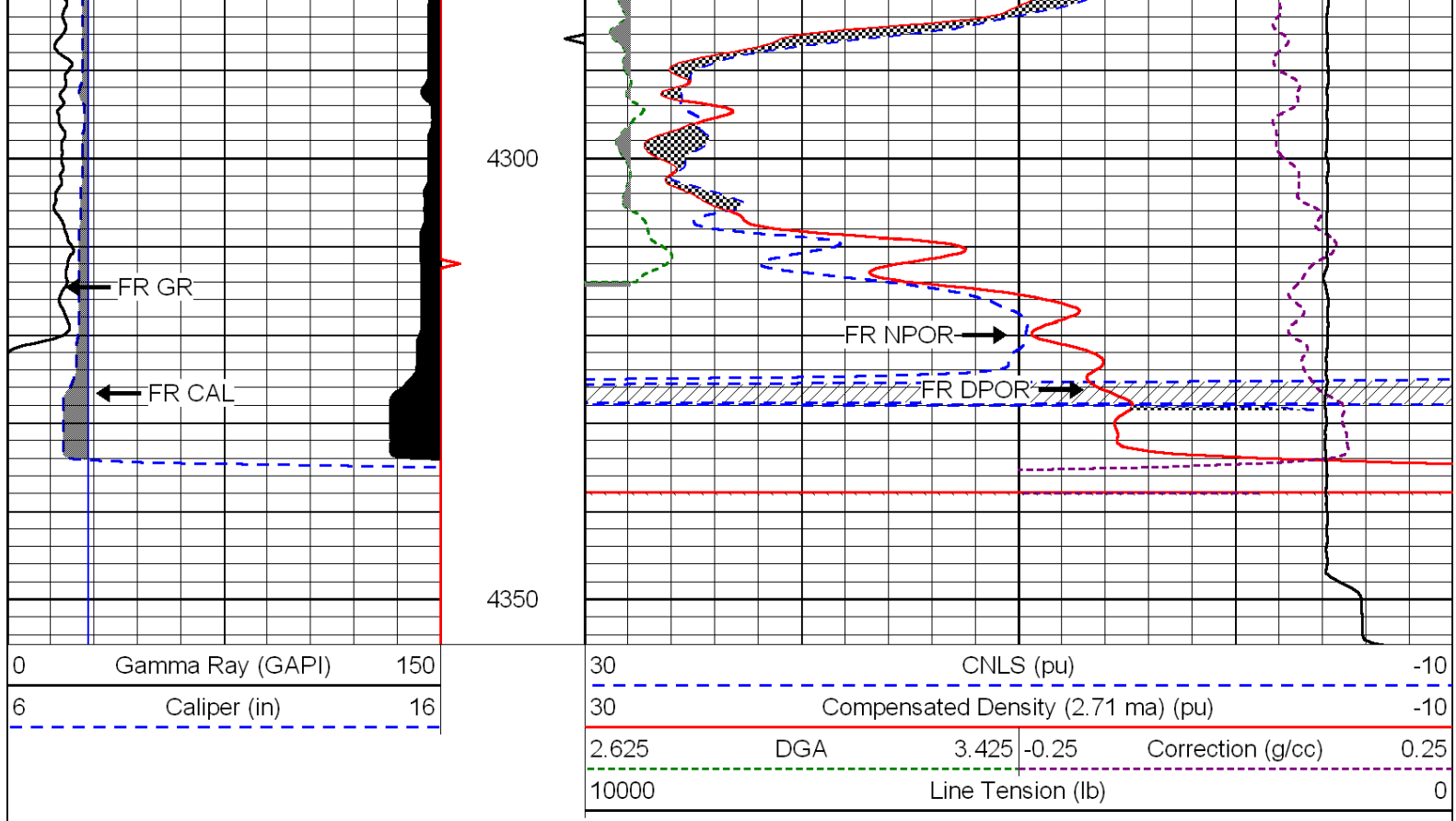
Database File: messenger_donald_2.db
Dataset Pathname: stack/pass5.1
Presentation Format: cndlspec
Dataset Creation: Thu Apr 12 12:28:48 2012 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240





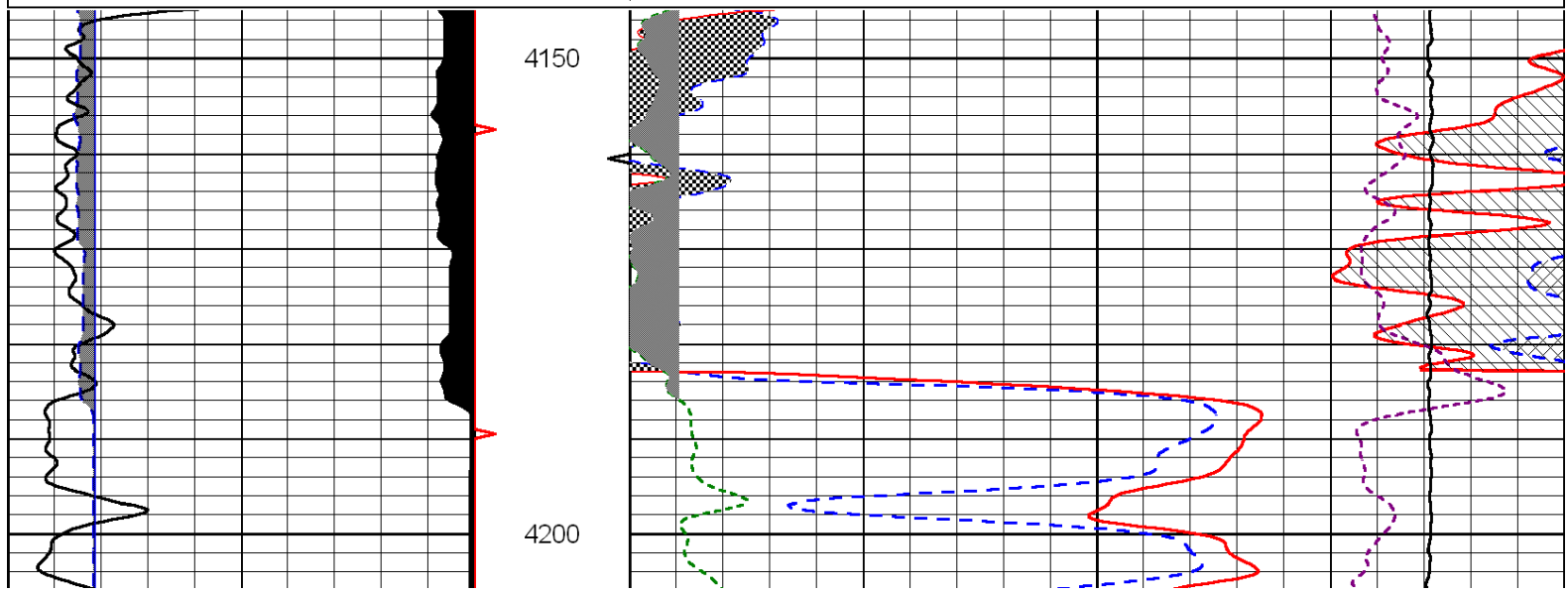
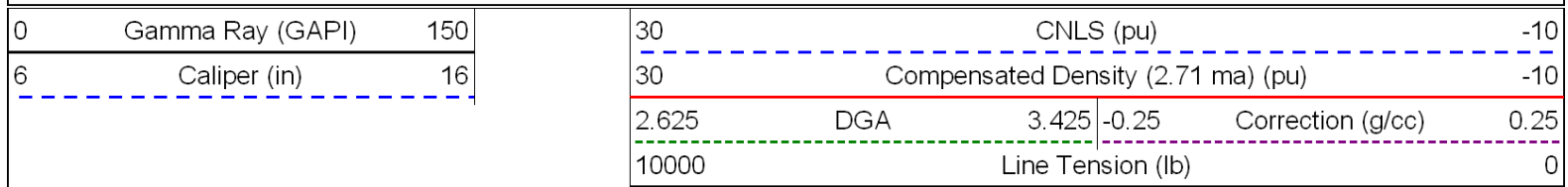


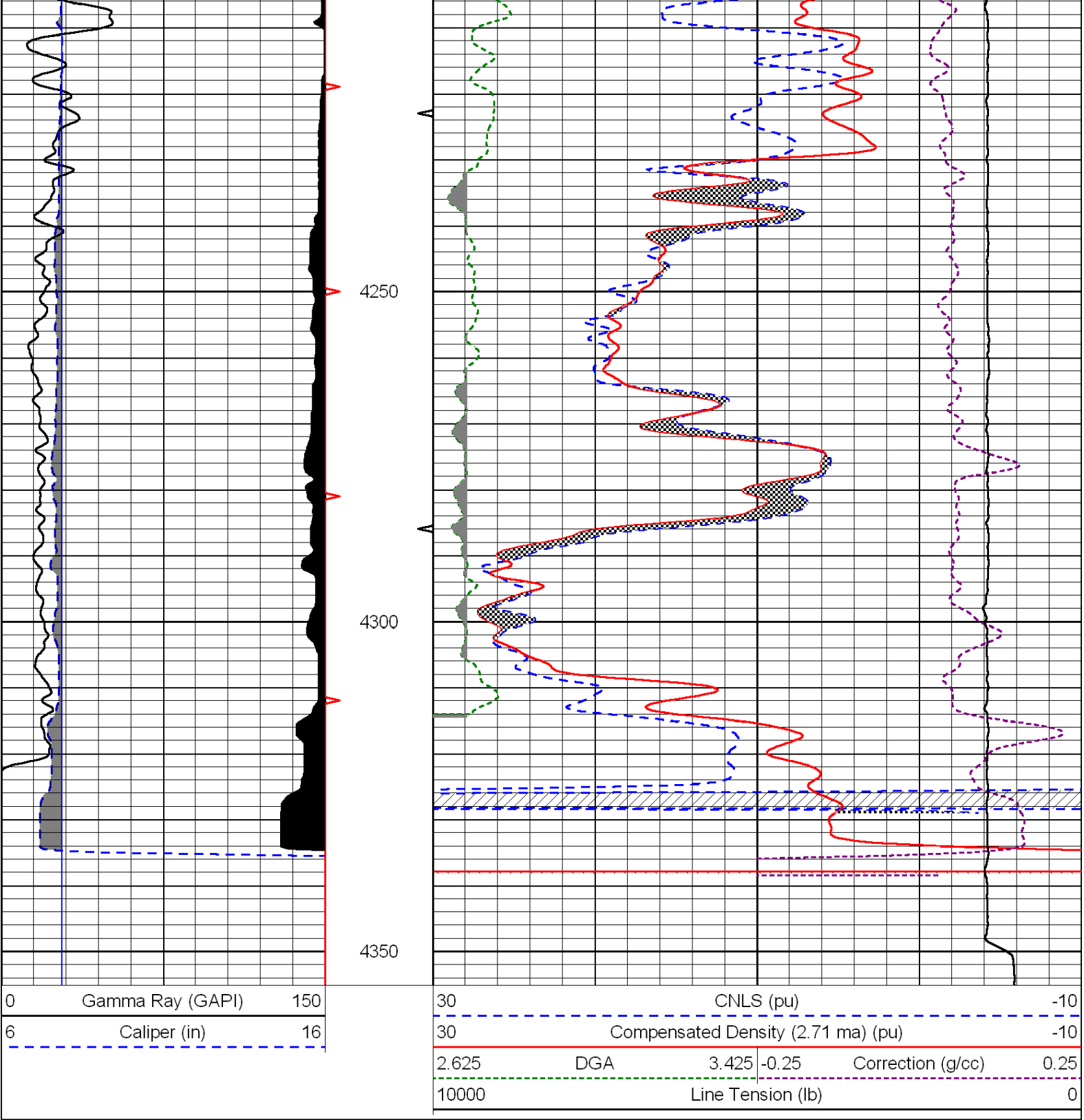




Repeat Section

Database File: messenger_donald_2.db
Dataset Pathname: stack/pass3.3
Presentation Format: cndlspec
Dataset Creation: Thu Apr 12 11:51:13 2012 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240





Calibration Report							
Database File:		messenger_donald_2.db					
Dataset Pathname:		stack/pass5.1					
Dataset Creation:		Thu Apr 12 12:28:48 2012 by Calc Open-Cased 090629					
Dual Induction Calibration Report							
Serial-Model:		1987-M&W					
Surface Cal Performed:							
Readings				References		Results	
Loop:	Air	Loop	Air	Loop	m	h	

Deep	178.615	710.235	0.000	255.800	mmho/m	0.540	-39.500
Medium	161.982	1441.110	0.000	255.800	mmho/m	0.440	-111.000

Compensated Density Calibration Report							
Serial-Model:				168-108-M&W			
Source / Verifier:				/			
Master Calibration Performed:				Tue Oct 18 10:32:10 2011			
Before Survey Verification Performed:							
After Survey Verification Performed:							

Master Calibration							
	Density			Far Detector		Near Detector	
Magnesium	1.755	g/cc		5133.10	5195.32	cps	
Aluminum	2.680	g/cc		951.78	3303.39	cps	
Spine Angle = 74.96				Density/Spine Ratio = 0.530			
	Size			Reading			
Small Ring	4.00	in		0.96			
Large Ring	14.00	in		0.27			

Compensated Neutron Calibration Report							
Serial Number:				tk10-MW			
Tool Model:				M&W			

CALIBRATION							
Detector		Readings		Target		Normalization	
Short Space		6240.00	cps	1000.00	cps	1.6025	
Long Space		460.00	cps	1000.00	cps	1.9500	

Gamma Ray Calibration Report							
Serial Number:		Landy					
Tool Model:		LD					
Performed:		Wed Aug 24 10:09:01 2011					
Calibrator Value:		1.0	GAPI				
Background Reading:		0.0	cps				
Calibrator Reading:		1.0	cps				
Sensitivity:		0.6700	GAPI/cps				