

FISHER WIRELINE SERVICES INC. DUAL COMPENSATED POROSITY LOG	
Company	SM OIL & GAS, INC.
Well	SM TRUST #1
Field	LENITON
County	CHAUTAUQUA
State	KANSAS
Location:	NE NE NE NW 190'FNL & 2430'FWL SEC: 17 TWP: 33S RGE: 10E API #:
Recorded By :	J. FISHER
Witnessed By :	S. MILLER
Date	AUGUST 18, 2015
Run Number	TWO
Depth Driller	2134'
Depth Logger	2134'
Bottom Logged Interval	2131'
Top Log Interval	770'
Casing Driller	8.625"@806'
Casing Logger	8.625"@808'
Bit Size	7.875"
Type Fluid in Hole	FORMATION
Density / Viscosity	NA
pH / Fluid Loss	NA
Source of Sample	NA
Rm @ Meas. Temp	NA
Rmf @ Meas. Temp	NA
Rmc @ Meas. Temp	NA
Source of Rmf / Rmc	NA
Rm @ BHT	NA
Equipment Number	47
Location	HOMINY
	Elevation
	K.B. : D.F. : G.L. : 1029'
	Other Services DILG-SP

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, 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. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

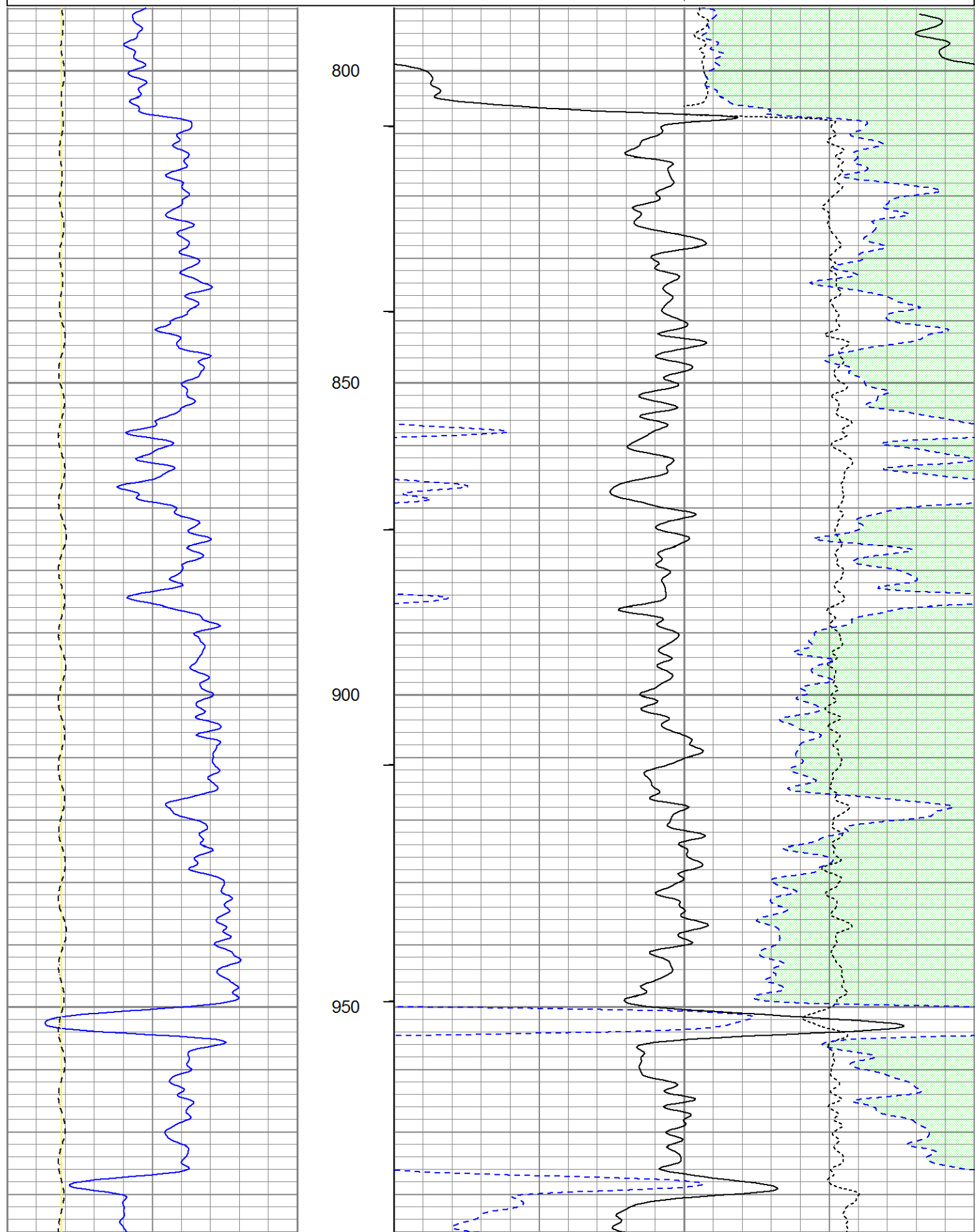
AIR DRILLED HOLE. NO MUD INFORMATION WAS AVAILABLE
TOOLS WERE RUN SEPERATELY
MEDIUM CURVE NOT PRESENTED DUE TO WELLBORE FLUID
BOREHOLE AND ANNULAR VOLUME MARKS PRESENTED ON DENSITY PLOT
ANNULAR VOLUME CALCULATED FOR 5-1/2" CASING
THANK YOU FOR USING FWS, INC. HOMINY, OKLAHOMA. (918) 885 6564

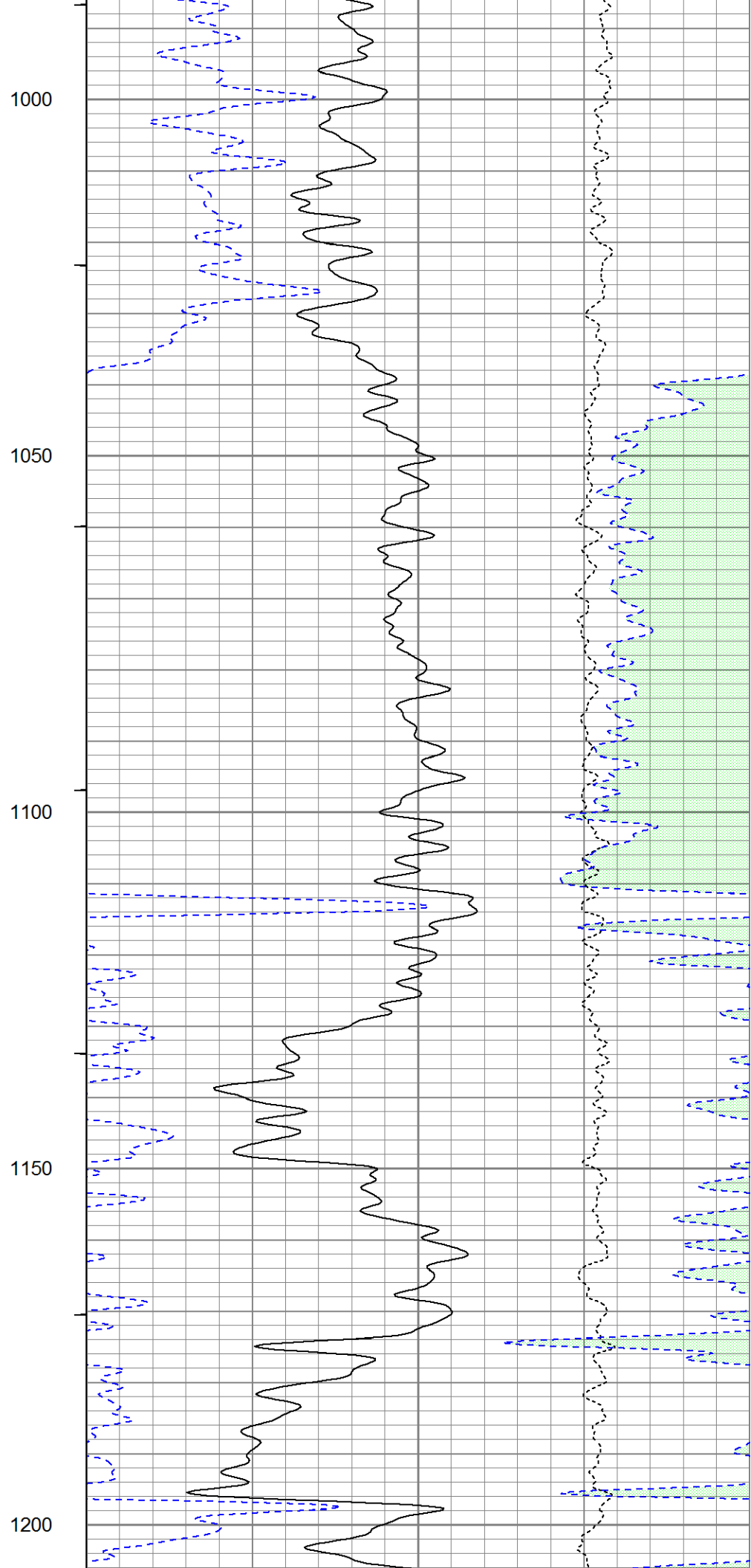
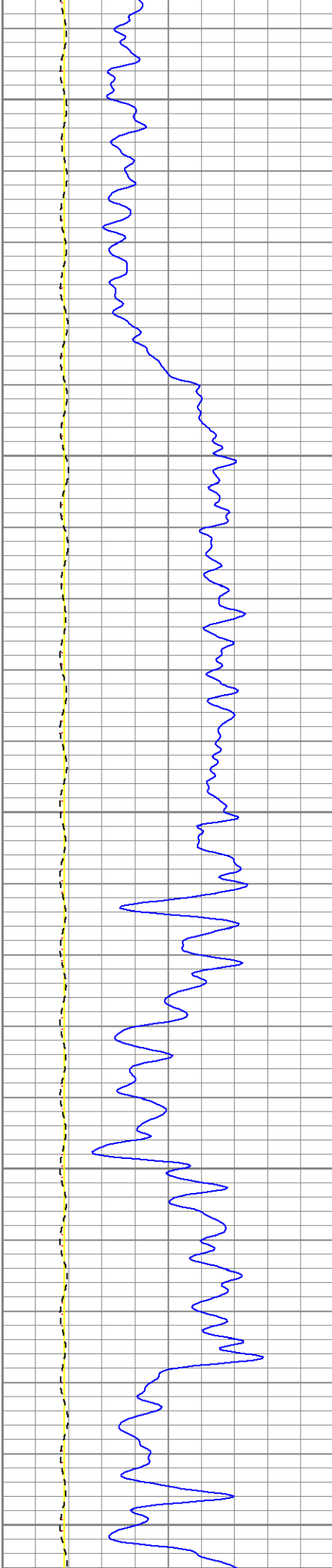
Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
GR	19.33		DLI_GR-DLI (GR_001)	3.00	3.38	30.00

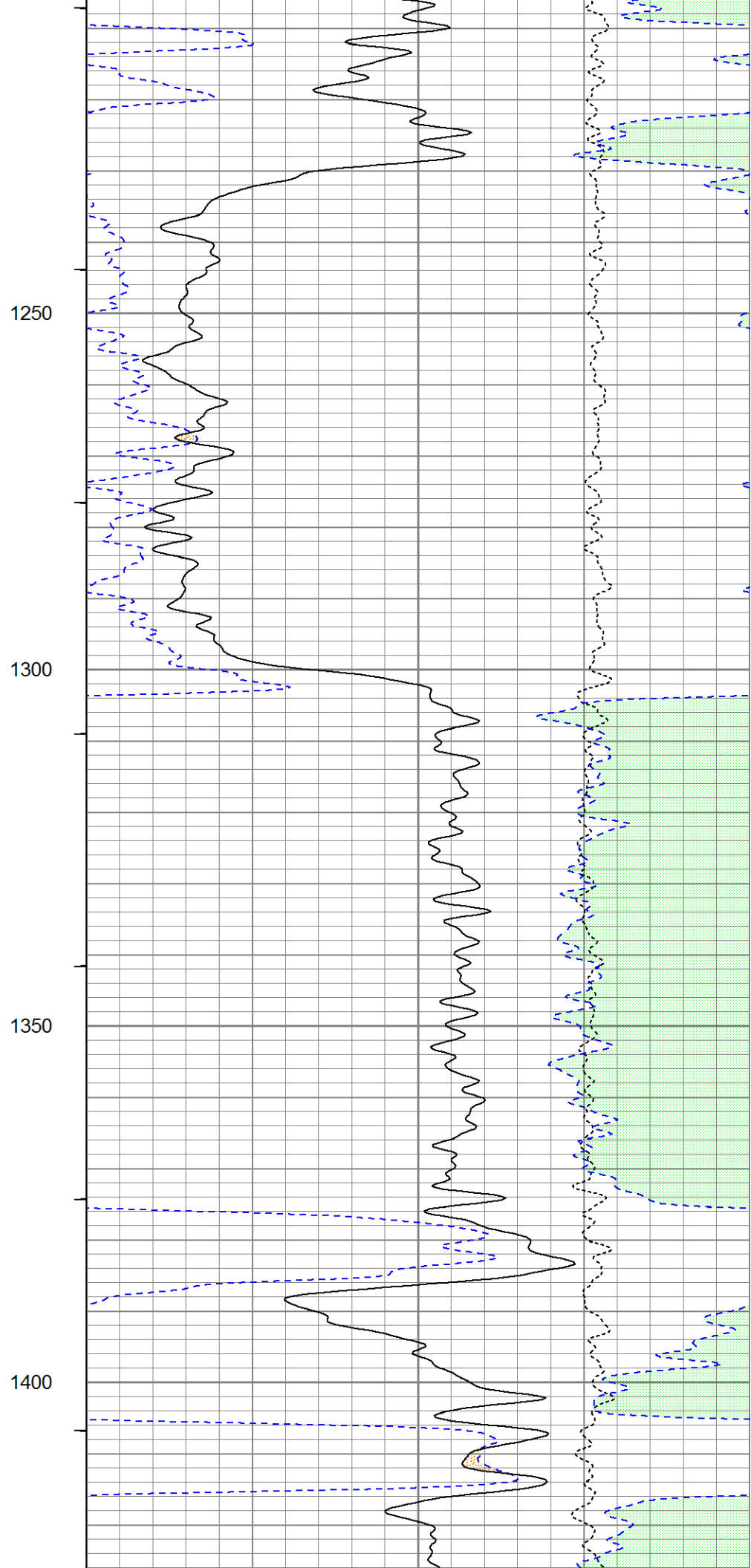
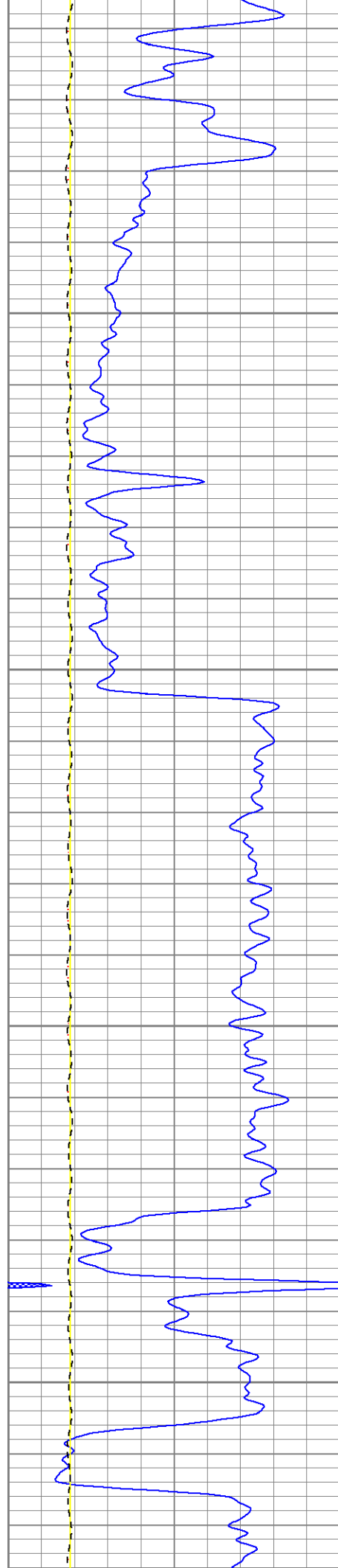
Database File:	sm#4503.db
Dataset Pathname:	trust1/run2/pass2
Presentation Format:	ducp
Dataset Creation:	Tue Aug 18 13:08:16 2015 by Log Open-Cased 081212
Charted by:	Depth in Feet scaled 1:240

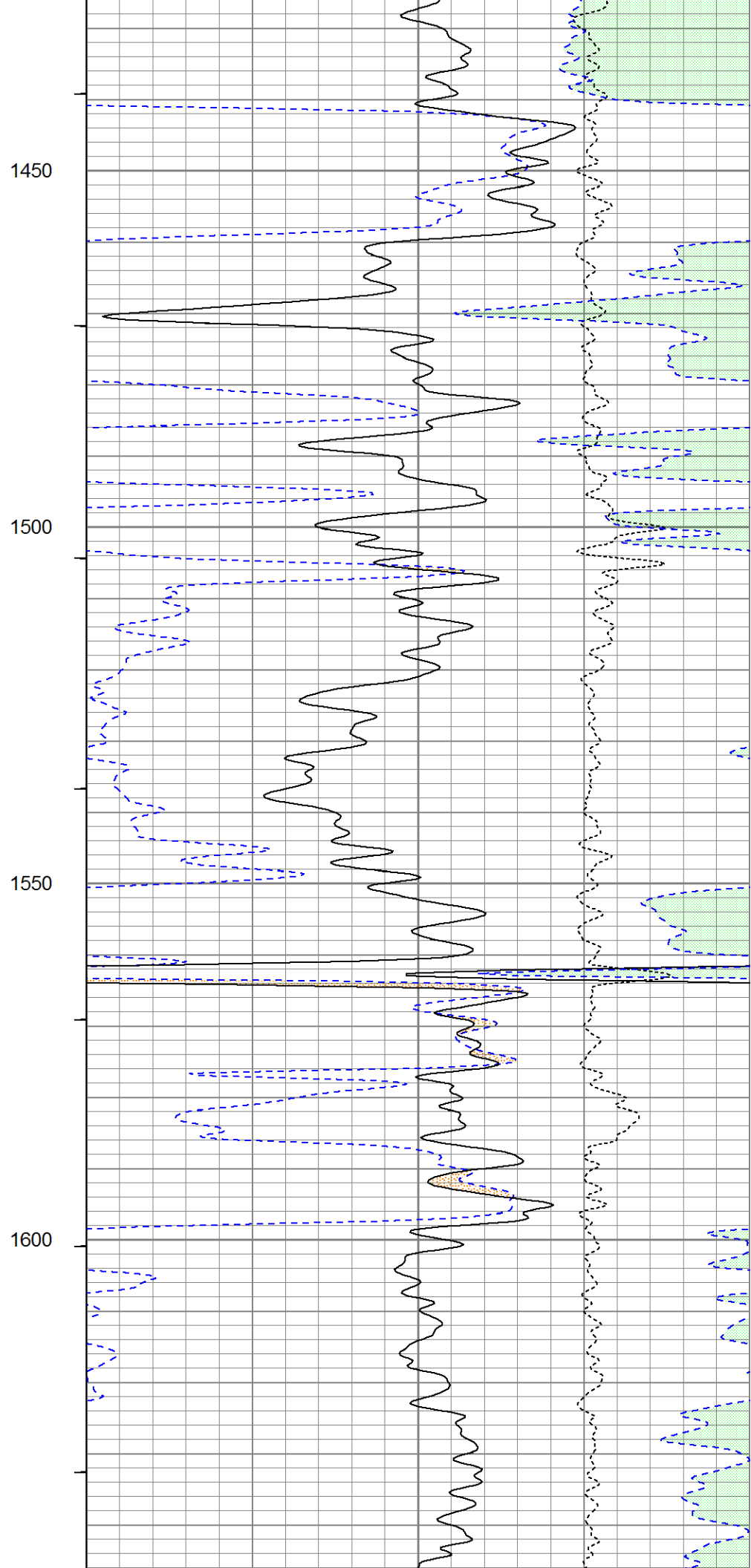
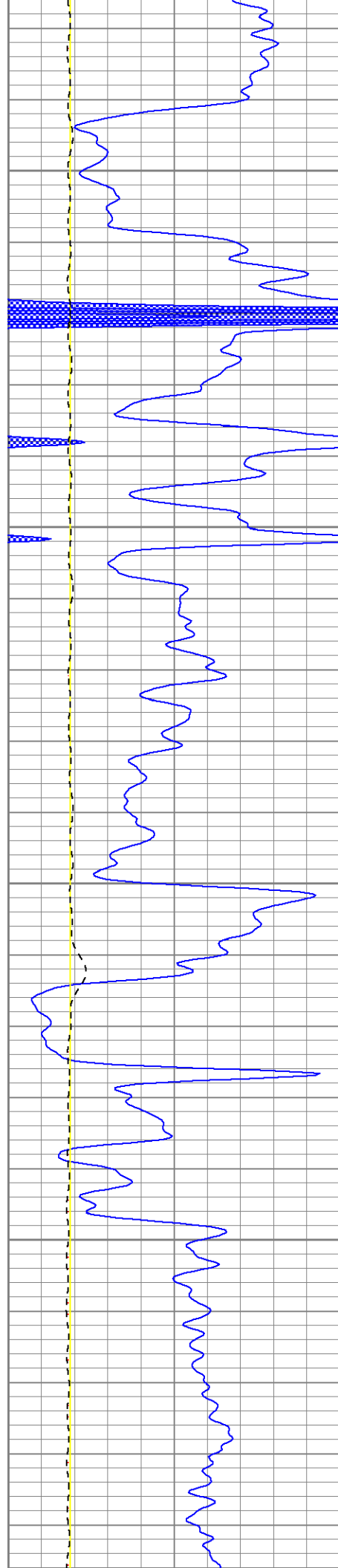
6	Density Caliper (in)	16
0	Gamma Ray (GAPI)	150
6	Bit Size (in)	16
6	Neutron Caliper (in)	16

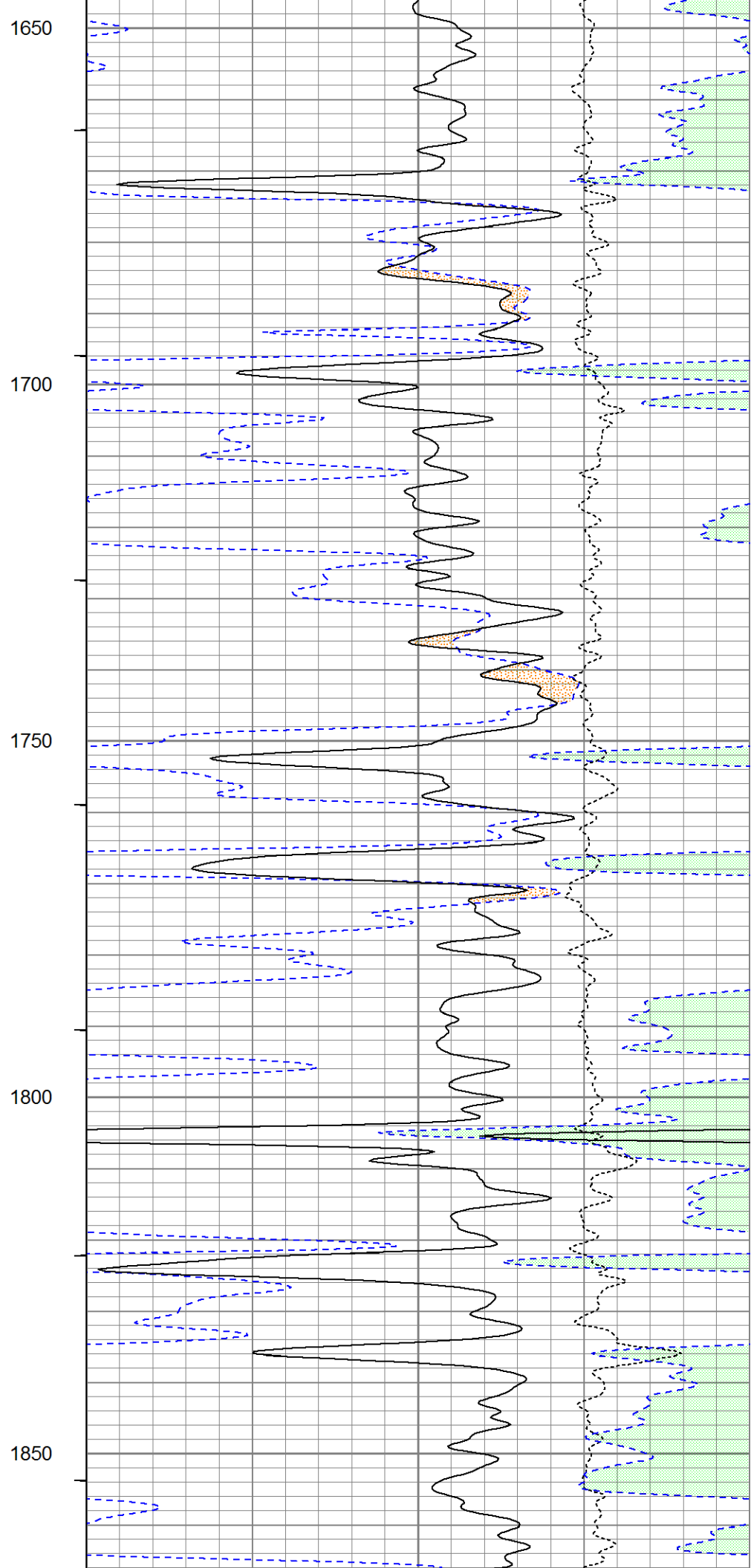
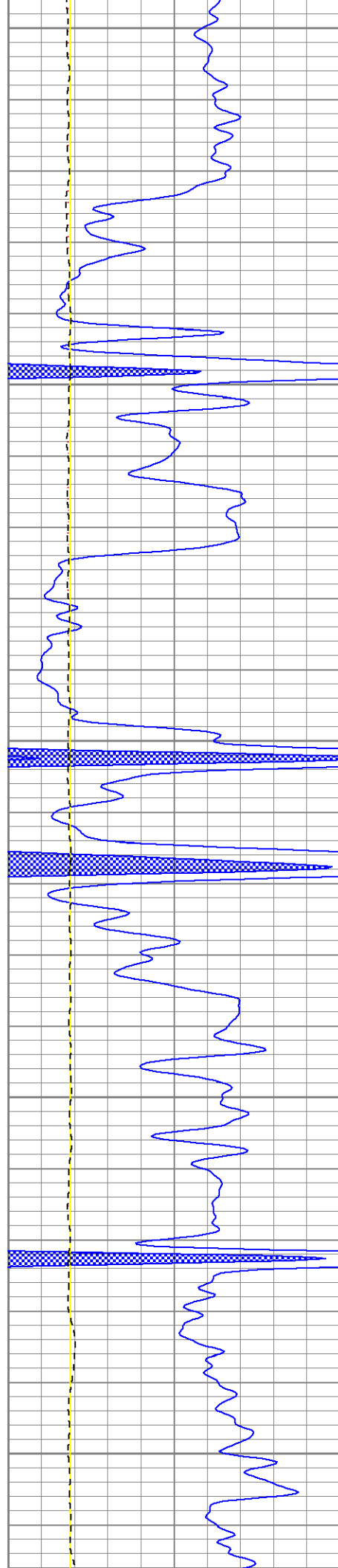
30	Neutron Porosity (pu)	-10
30	Density Porosity (pu)	-10
70	Density Porosity (pu)	30
70	Neutron Porosity (pu)	30
-0.25 Density Correction (g/cc) 0.25		

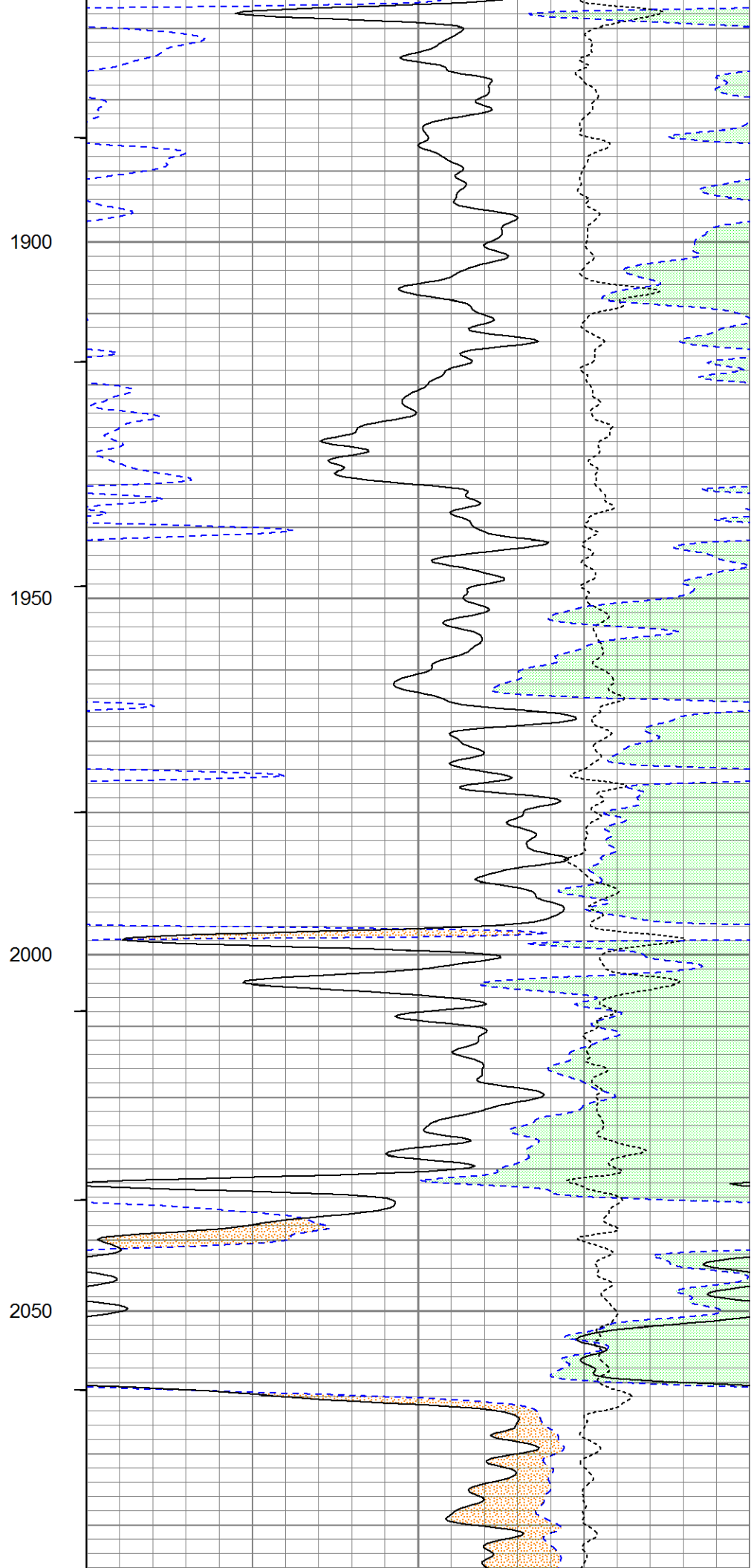
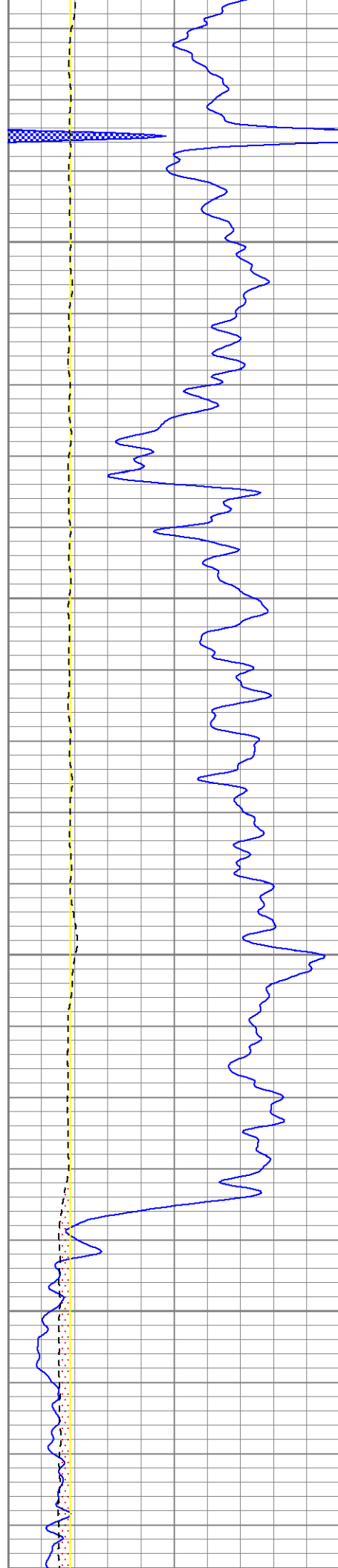


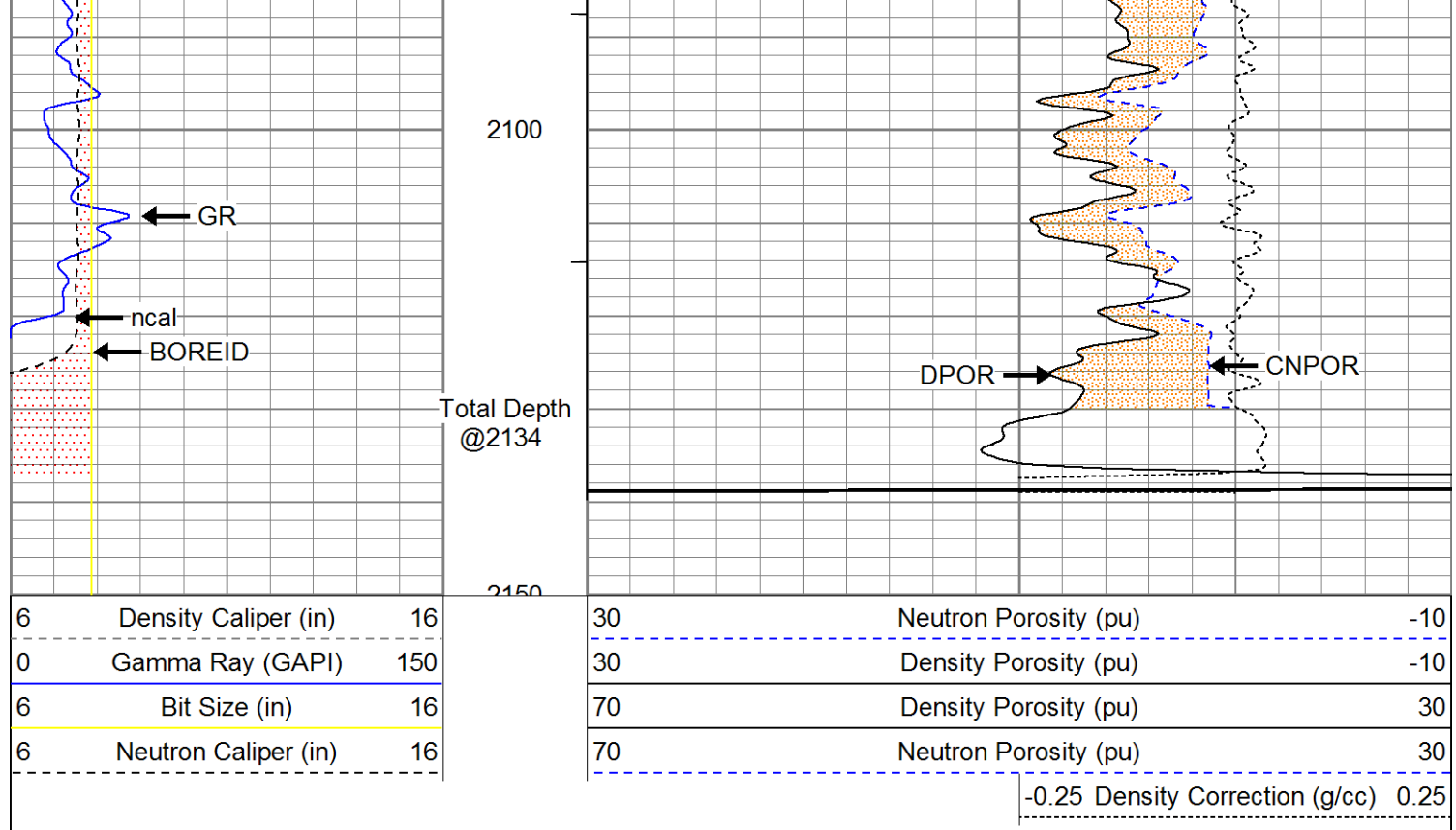






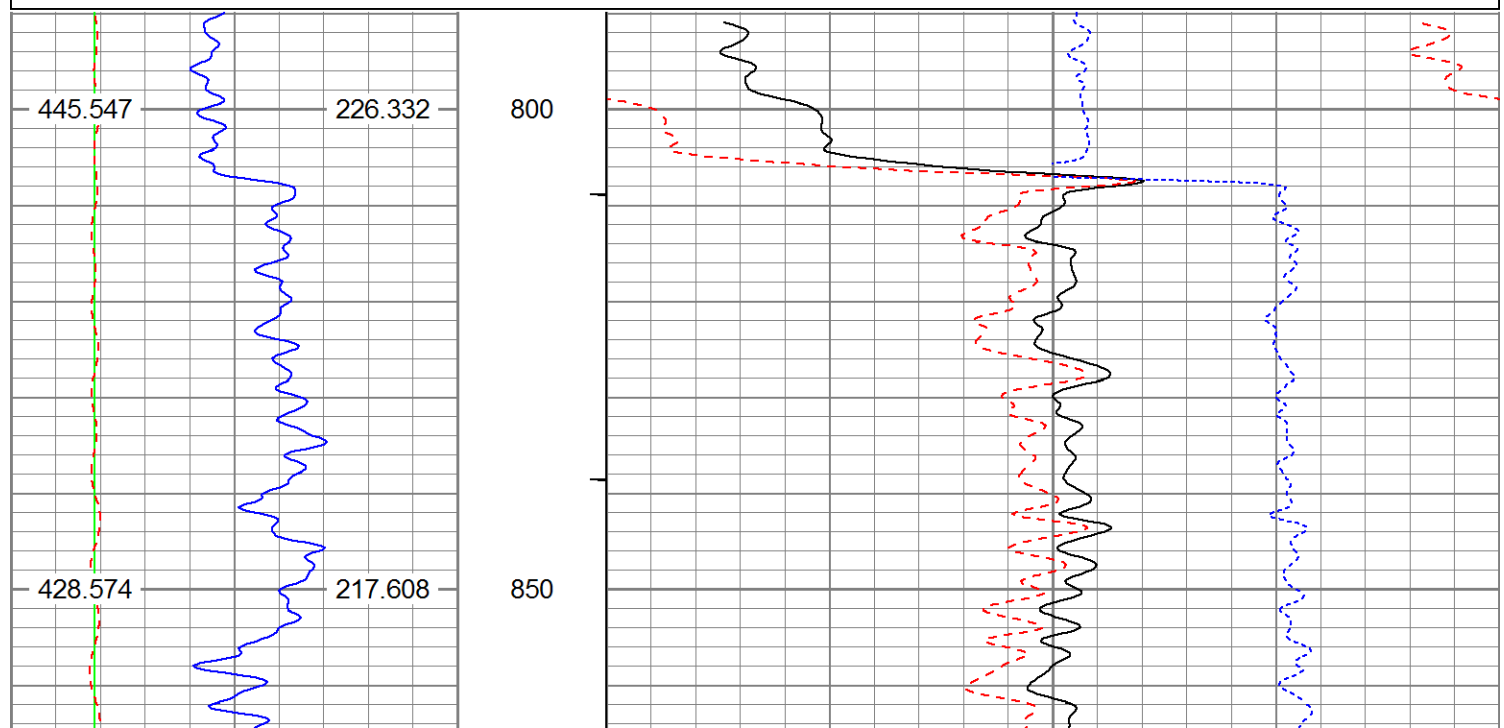


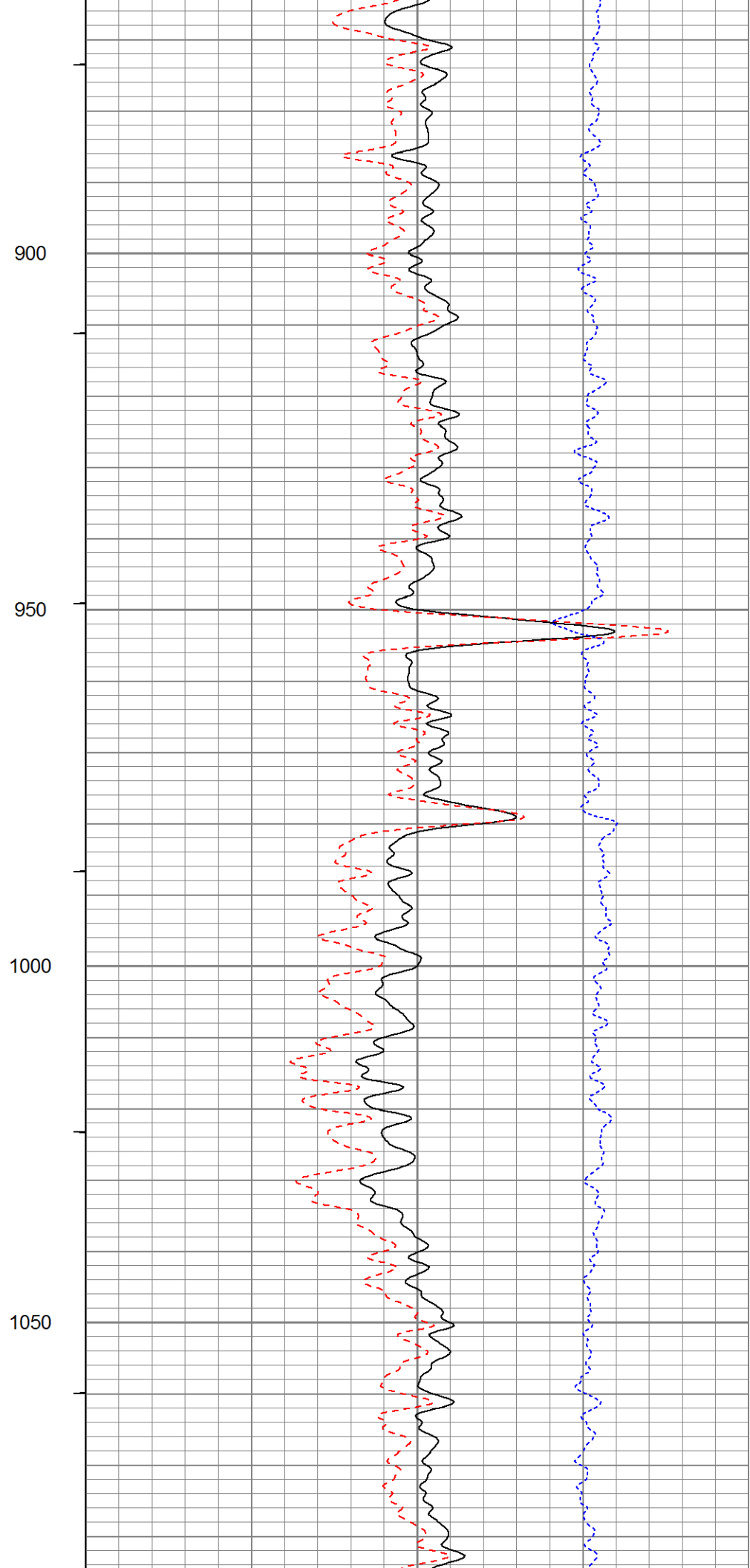
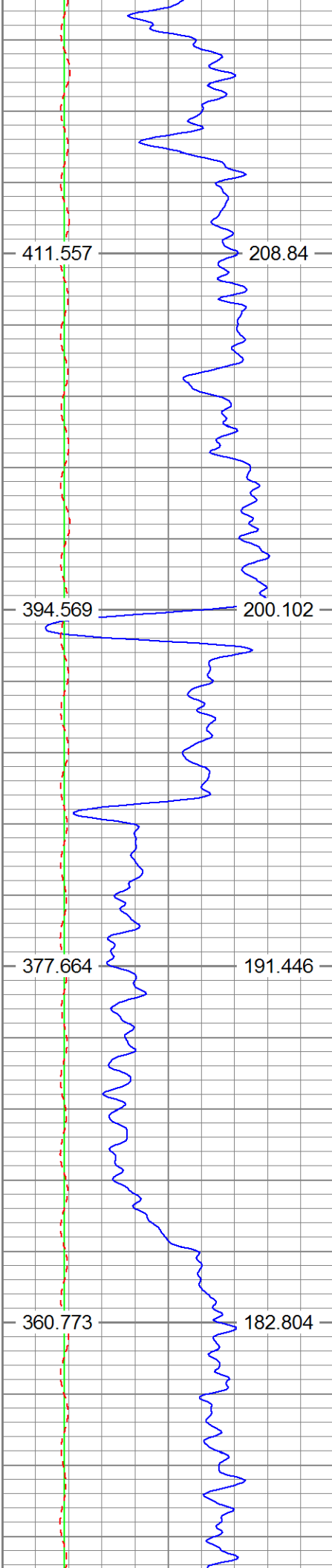


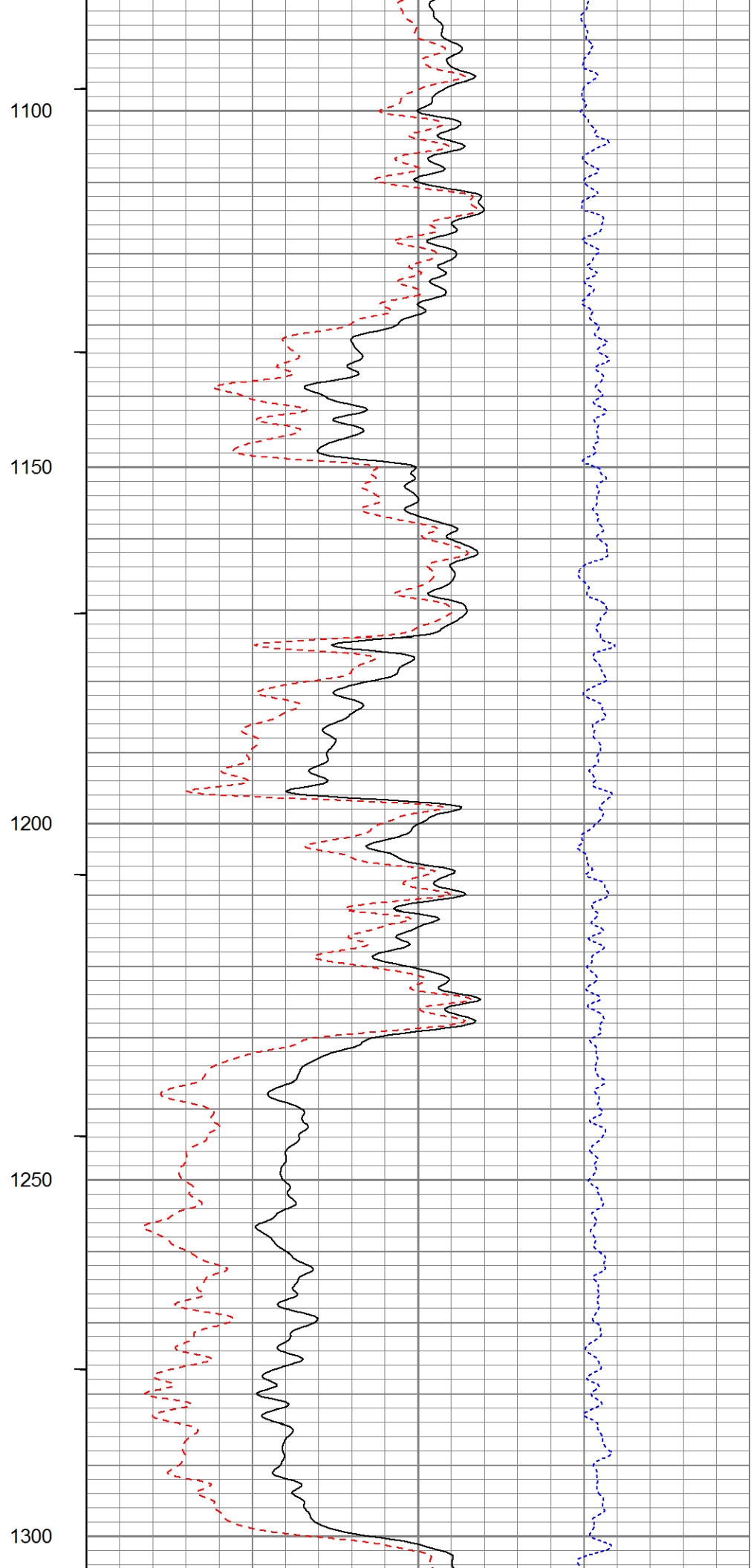
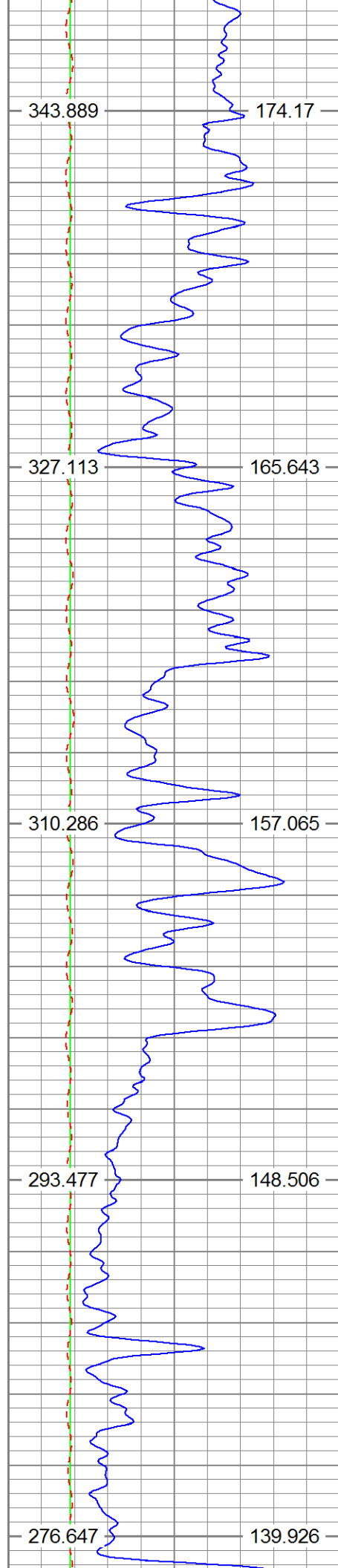


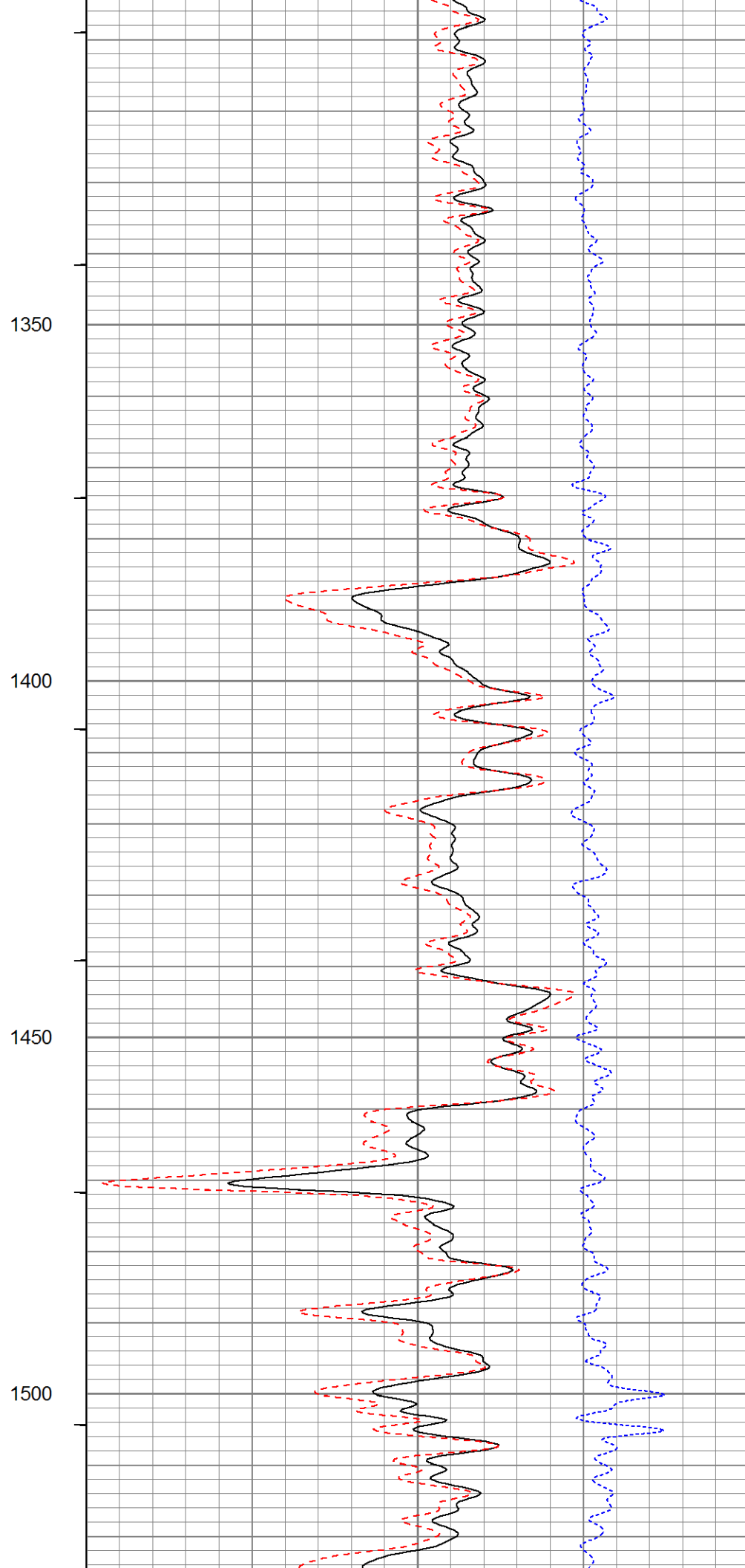
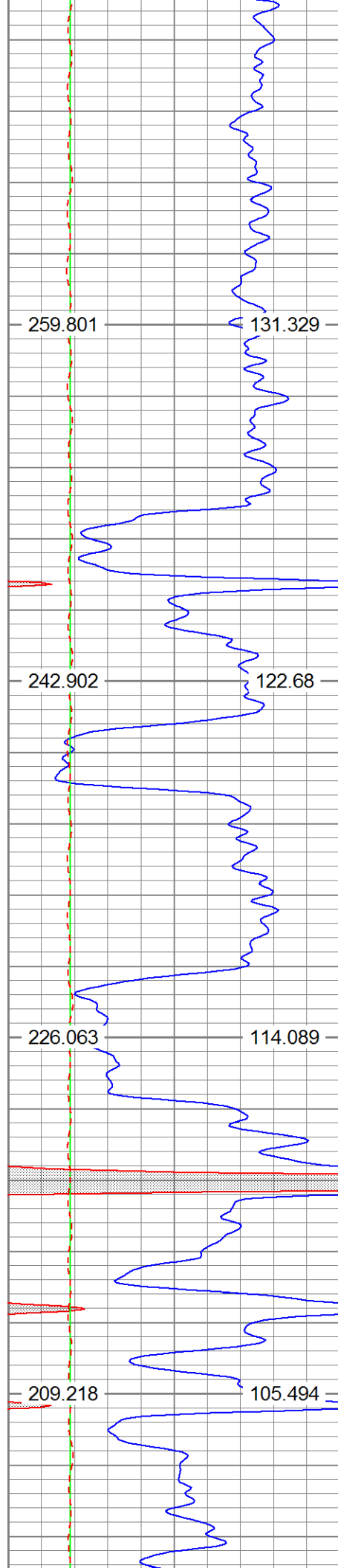
Database File: sm#4503.db
 Dataset Pathname: trust1/run2/pass2
 Presentation Format: dens
 Dataset Creation: Tue Aug 18 13:08:16 2015 by Log Open-Cased 081212
 Charted by: Depth in Feet scaled 1:240

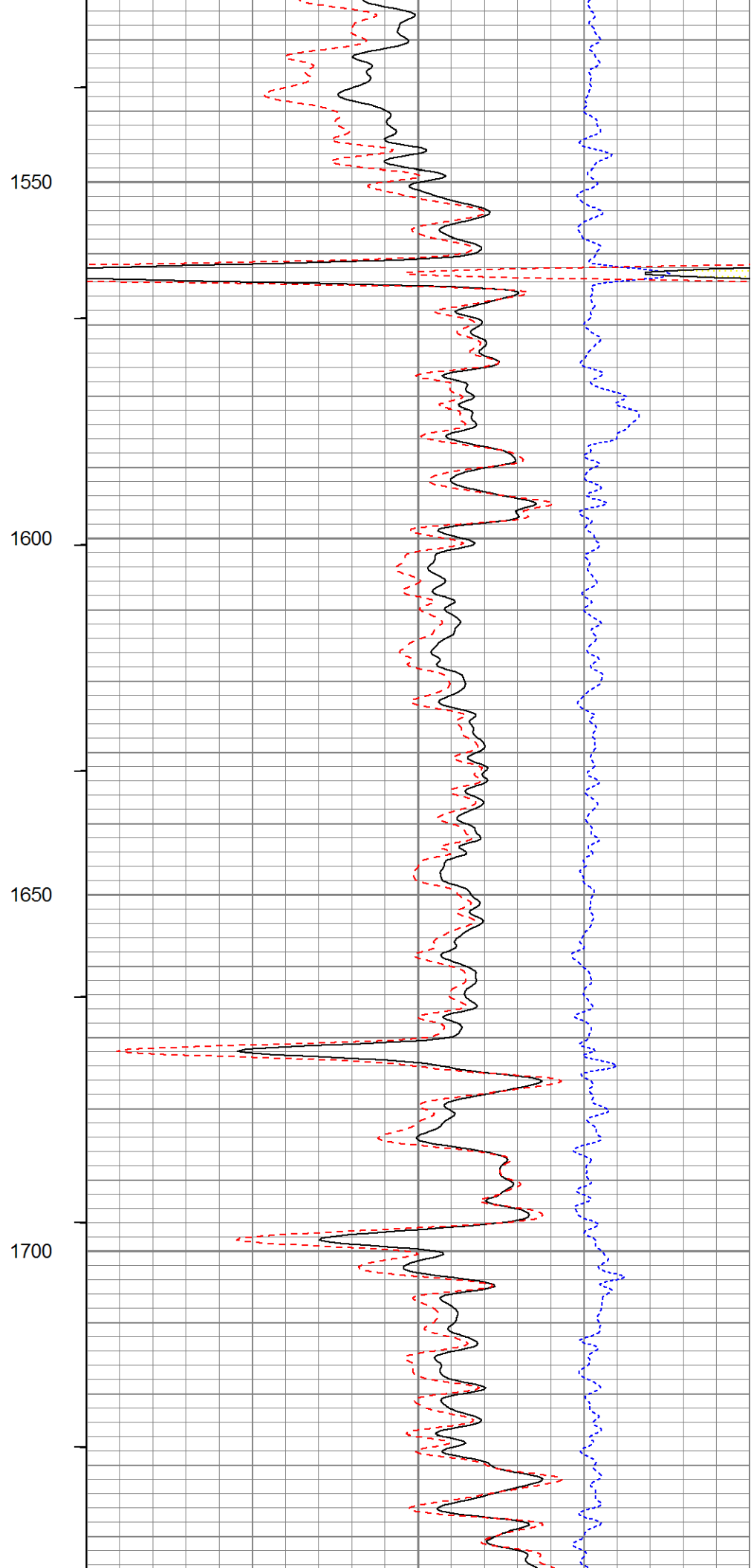
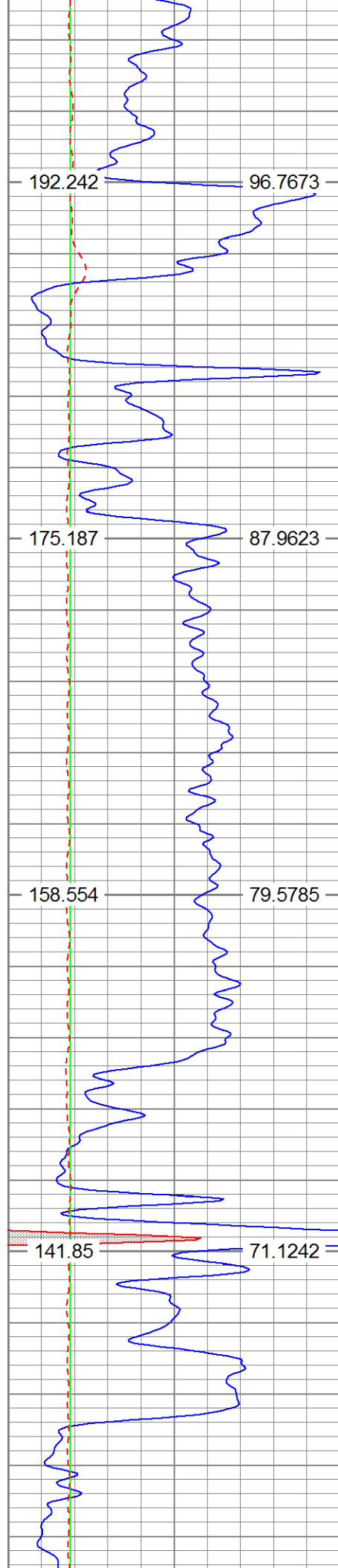
0	Gamma Ray (GAPI)	150	2	Bulk Density (g/cc)	3
6	Density (x) Caliper (in)	16	30	Density Porosity (pu)	-10
6	Bit Size (in)	16	1	Bulk Density (g/cc)	2
6	Neutron Caliper (in)	16	70	Density Porosity (pu)	30
TBHV (ft3)		ABHV (ft3)	-0.25 Density Correction (g/cc) 0.25		

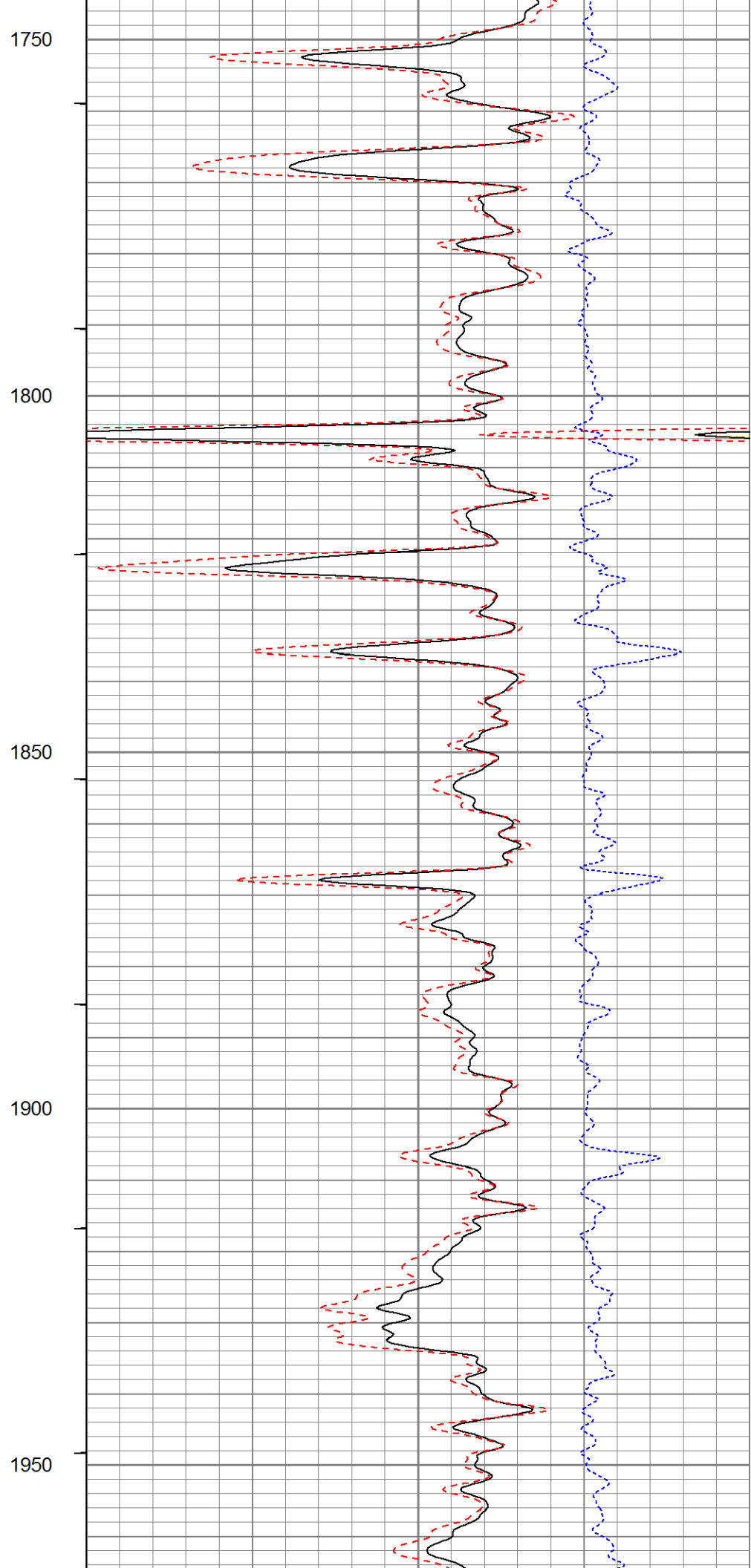
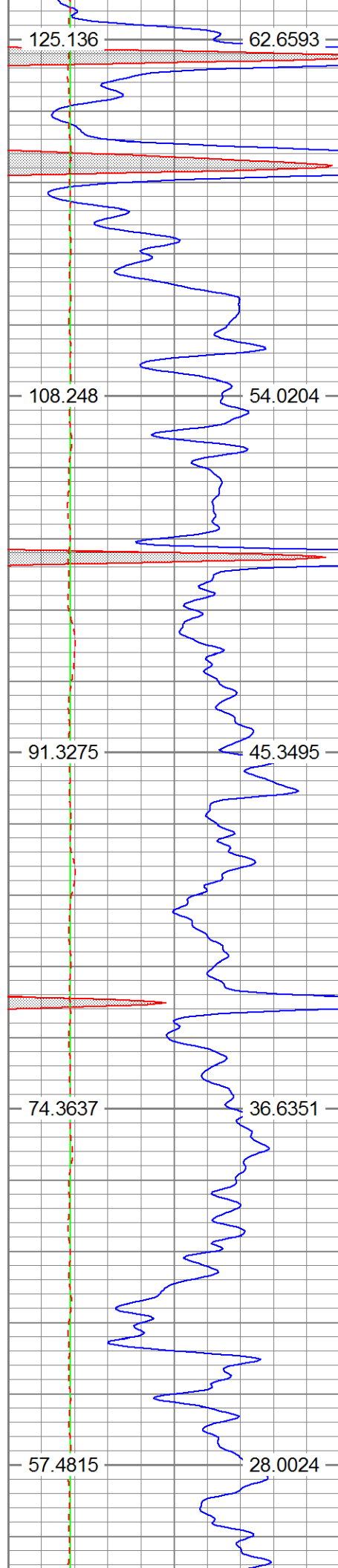


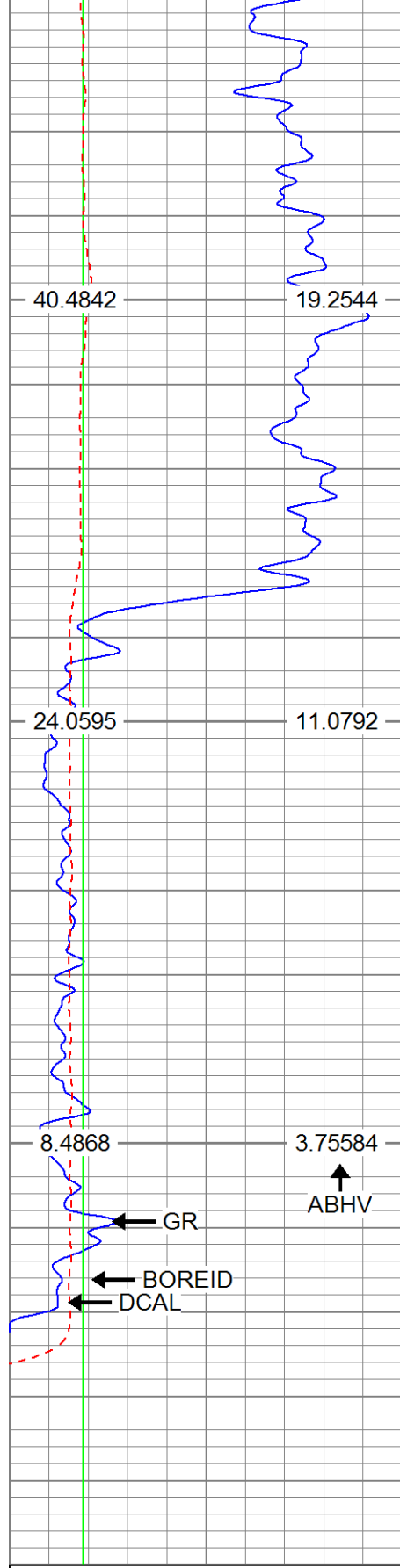




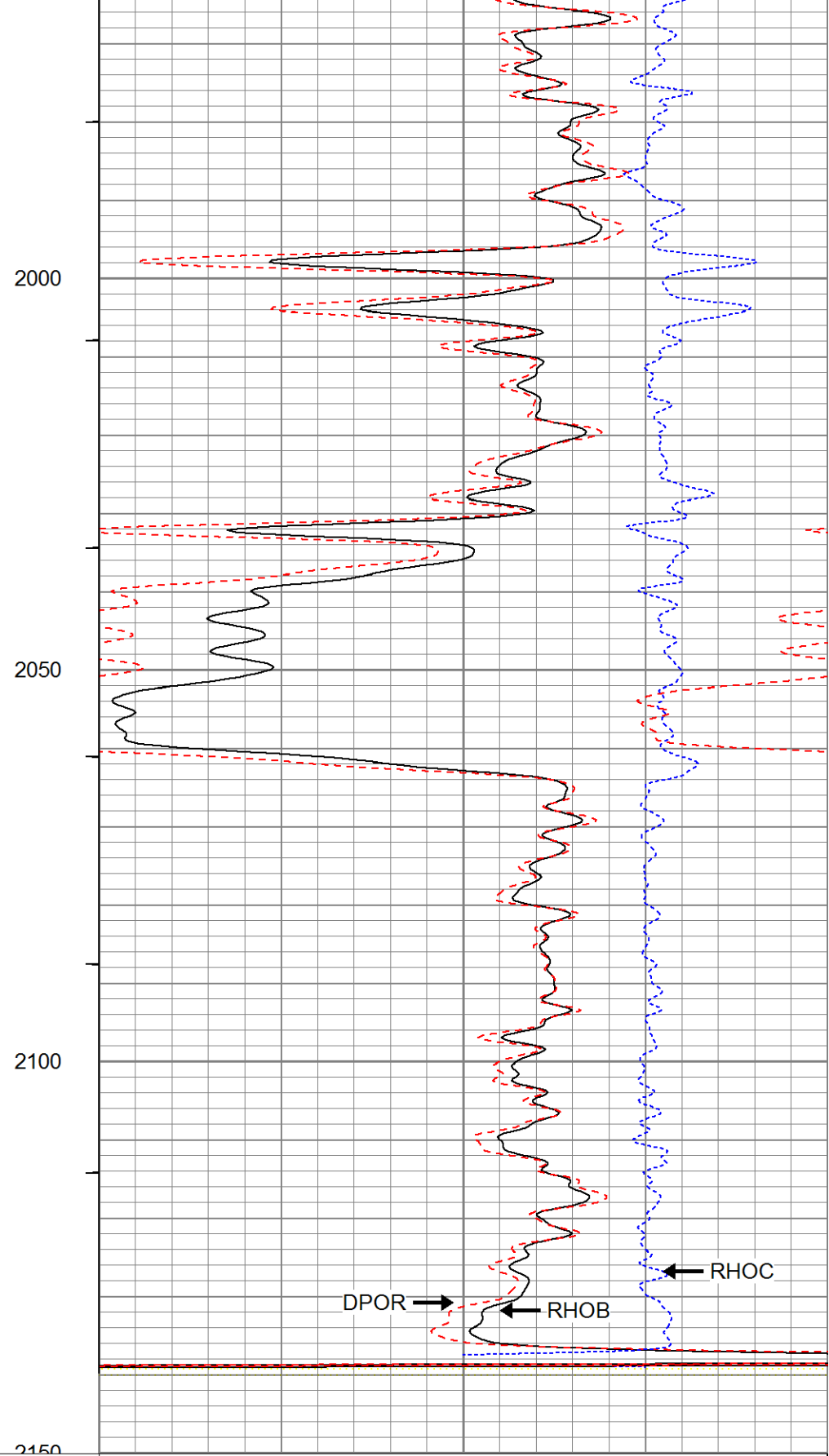








0	Gamma Ray (GAPI)	150
6	Density (x) Caliper (in)	16
6	Bit Size (in)	16
6	Neutron Caliper (in)	16
TBHV (ft3)		ABHV (ft3)



2	Bulk Density (g/cc)	3
30	Density Porosity (pu)	-10
1	Bulk Density (g/cc)	2
70	Density Porosity (pu)	30
-0.25 Density Correction (g/cc)		0.25

Calibration Report

Database File: sm#4503.db
 Dataset Pathname: trust1/run2/pass2
 Dataset Creation: Tue Aug 18 13:08:16 2015 by Log Open-Cased 081212

Compensated Density Calibration Report

Serial-Model: CDL-001-DLI
 Source / Verifier: /
 Master Calibration Performed: Mon Aug 25 09:52:27 2014
 Before Survey Verification Performed:
 After Survey Verification Performed:

Master Calibration

	<u>Density</u>		<u>Far Detector</u>	<u>Near Detector</u>	
Magnesium	1.755	g/cc	1919.59	7435.15	cps
Aluminum	2.580	g/cc	412.32	4412.92	cps
Spine Angle = 71.26			Density/Spine Ratio = 0.508		
	<u>Size</u>		<u>Reading</u>		
Small Ring	5.50	in	0.27		
Large Ring	11.75	in	0.59		

Before Survey Verification

<u>Target</u>	<u>Measured</u>
g/cc	g/cc
g/cc	g/cc
g/cc	g/cc

After Survey Verification

<u>Target</u>	<u>Measured</u>
g/cc	g/cc
g/cc	g/cc
g/cc	g/cc

Compensated Neutron Calibration Report

Serial Number: BCN_001
 Tool Model: DLI

CALIBRATION

Detector	Readings		Target		Normalization
Short Space	1.00	cps	1.00	cps	1.0000
Long Space	1.00	cps	1.00	cps	1.0000

PRE-SURVEY VERIFICATION

	Detector	Readings	Measured	Target
1)	Short Space	cps		
	Long Space	cps	pu	pu
2)	Short Space	cps		
	Long Space	cps	pu	
3)	Short Space	cps		
	Long Space	cps	pu	

POST-SURVEY VERIFICATION

	Detector	Readings	Measured	Target
1)	Short Space Long Space	cps cps	pu	pu
2)	Short Space Long Space	cps cps	pu	pu
3)	Short Space Long Space	cps cps	pu	pu
Gamma Ray Calibration Report				
Serial Number:		GR_001		
Tool Model:		DLI		
Performed:		Thu Jun 06 09:55:54 2013		
Calibrator Value:		1.0	GAPI	
Background Reading:		0.0	cps	
Calibrator Reading:		1.0	cps	
Sensitivity:		0.5000	GAPI/cps	