COMPENSATED DENSITY NEUTRON LOG

Company REDBUD OIL & GAS OPERATING LLC
Well TWIN VALLEY ENTERPRISES #A4-24
Field TWIN VALLEY
County MONTGOMERY State KANSAS

Company REDBUD OIL & GAS OPERATING LLC
Well TWIN VALLEY ENTERPRISES #A4-24
Field TWIN VALLEY
County MONTGOMERY
State KANSAS

Location: API # : 15-125-325567-00-00

SE SE NW NW
1300' FNL & 1045' FWL
SEC 24 TWP 31S RGE 14E

Other Services
DIL

Elevation
K.B.
D.F.
G.L. 927

Permanent Datum	GL	Elevation	927
Log Measured From	GL		
Drilling Measured From	GL		

Date	9-12-2024		
Run Number	ONE		
Depth Driller	1320		
Depth Logger	1318		
Bottom Logged Interval	1316		
Top Log Interval	20		
Casing Driller	8.625" @ 21		
Casing Logger	8.625" @ 21		
Bit Size	6.75"		
Type Fluid in Hole	WATER		
Density / Viscosity			
pH / Fluid Loss			
Source of Sample			
Rm @ Meas. Temp			
Rmf @ Meas. Temp			
Rmc @ Meas. Temp			
Source of Rmf / Rmc			
Rm @ BHT			
Time Circulation Stopped			
Time Logger on Bottom			
Maximum Recorded Temperature			
Equipment Number	OW2		
Location	HOMINY, OK		
Recorded By	STEPHEN WEEKS		
Witnessed By	MIKE TAYLOR		

<<< Fold Here >>>

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

FILE # OW2-9368 REDBUD TWIN VALLEY ENTERPRISES A4-24
BRAD, CHARLES, JACK

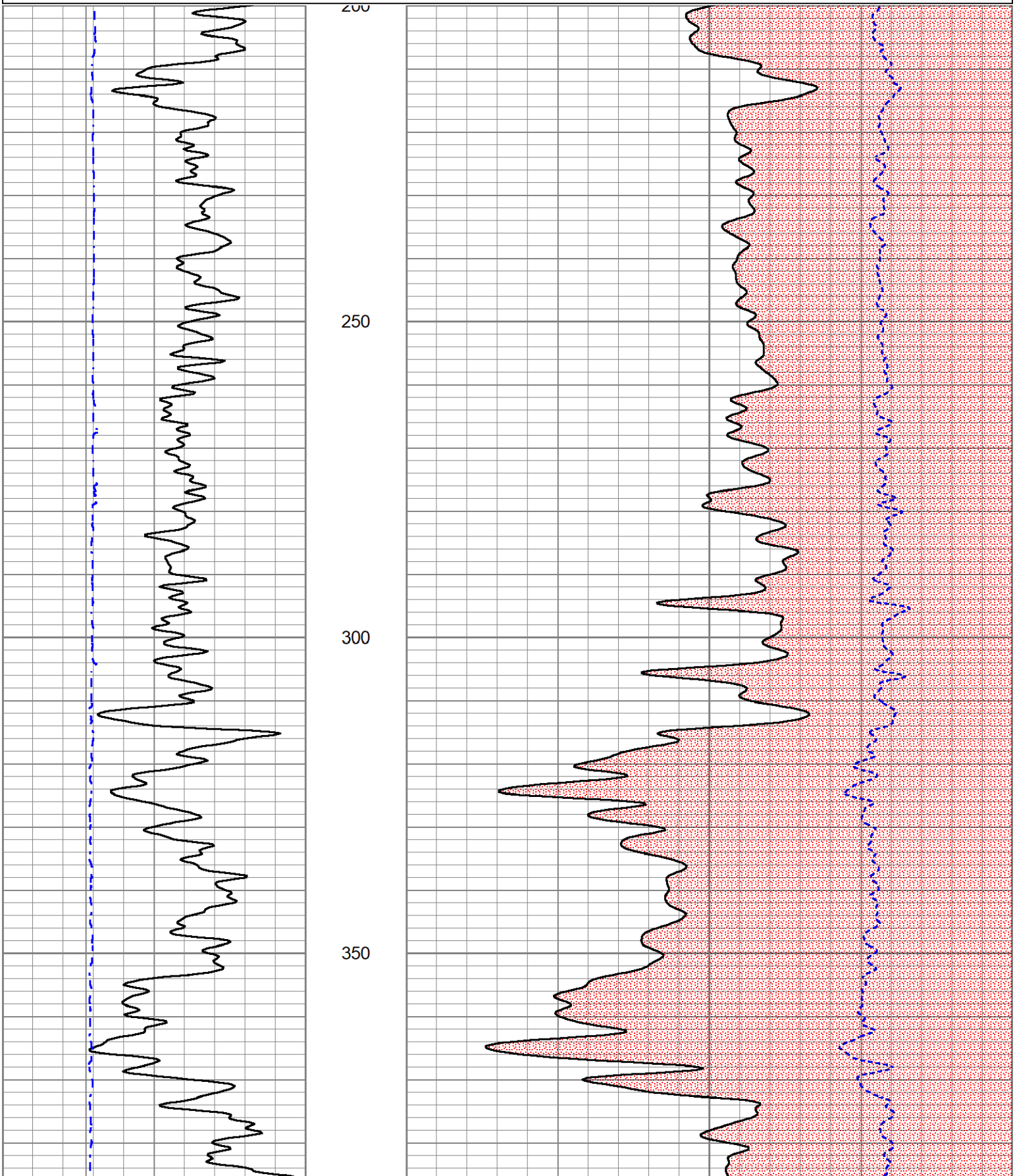
THANK YOU FOR USING OSAGE WIRELINE

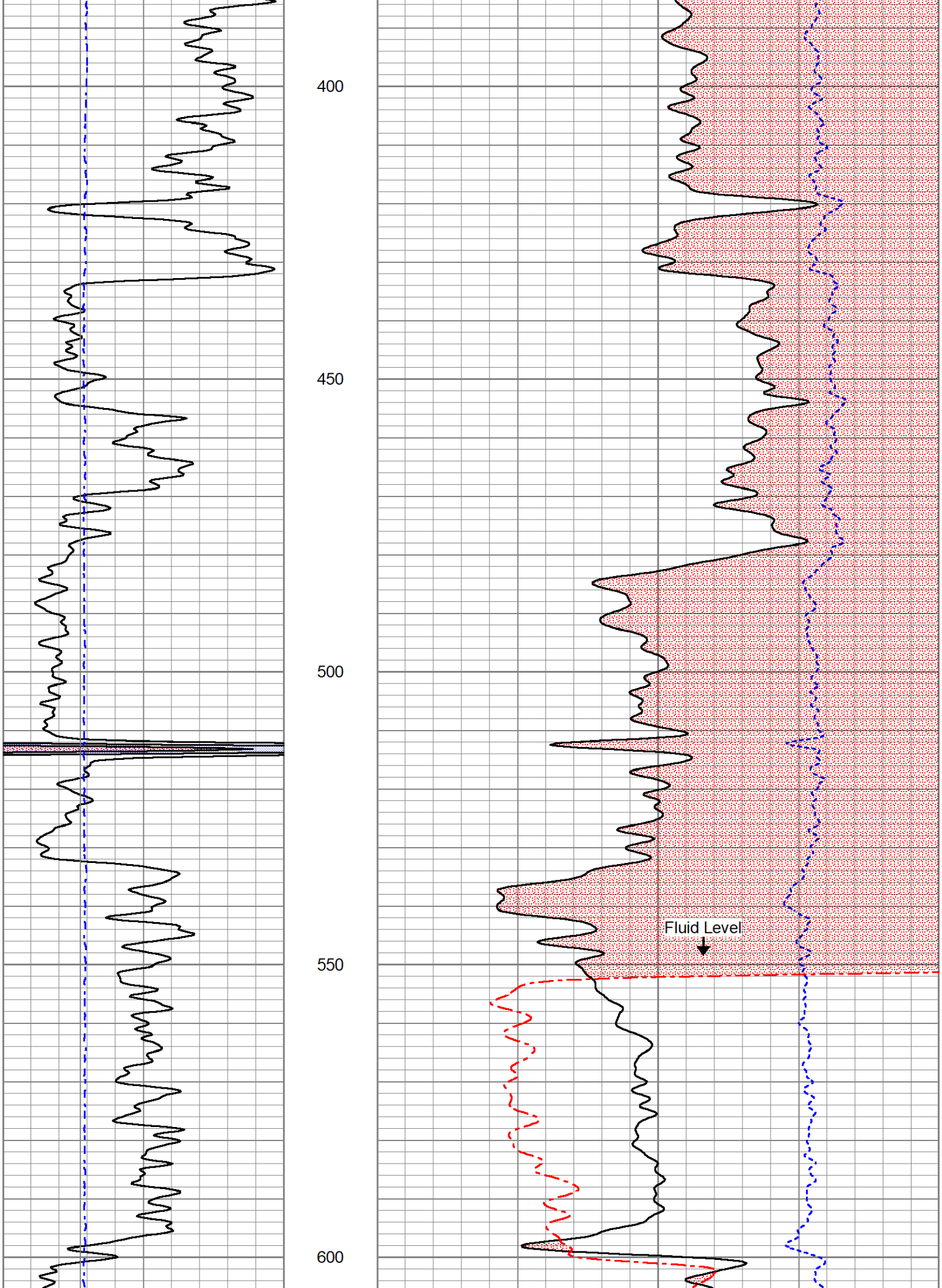
5" DENSITY NEUTRON LOG

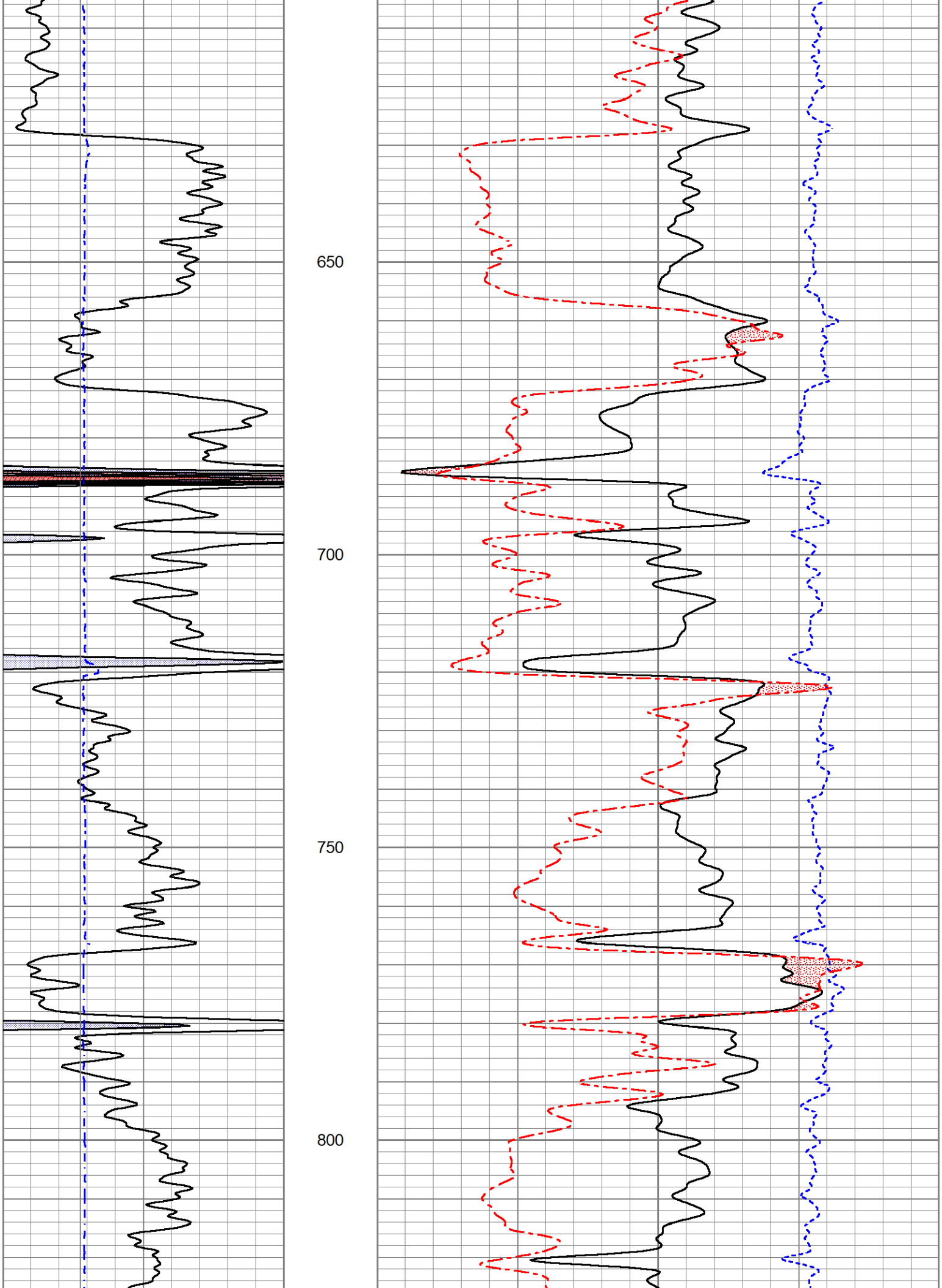
Database File	ow2-9368 redbud twin valley a4-24.db
Dataset Pathname	CDLN/pass3.2
Presentation Format	stcdln-4-14_5
Dataset Creation	Thu Sep 12 13:15:41 2024
Charted by	Depth in Feet scaled 1:240

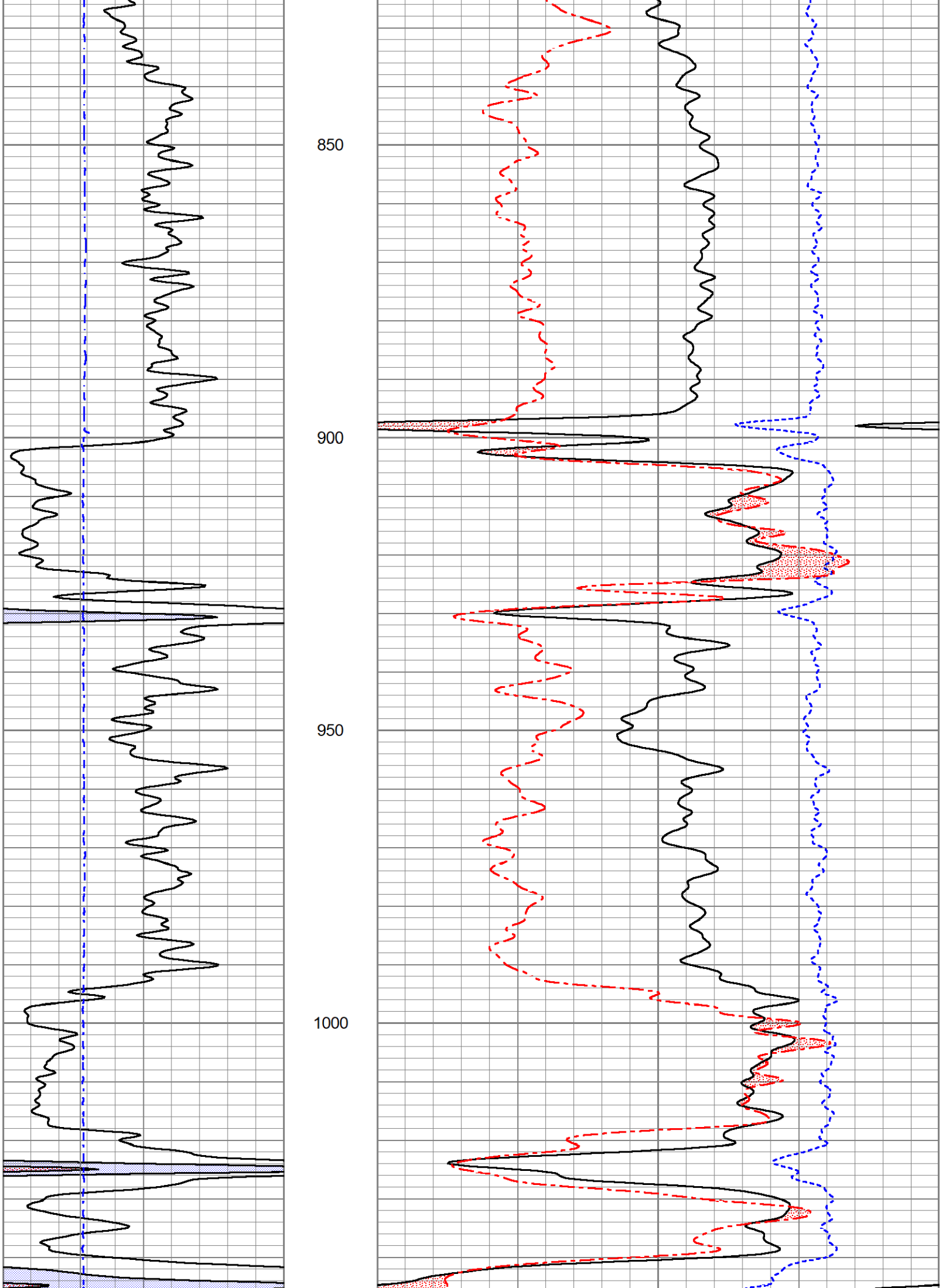
0	Gamma Ray (GAPI)	150
4	Bit size (in)	14
4	Density Caliper (in)	14

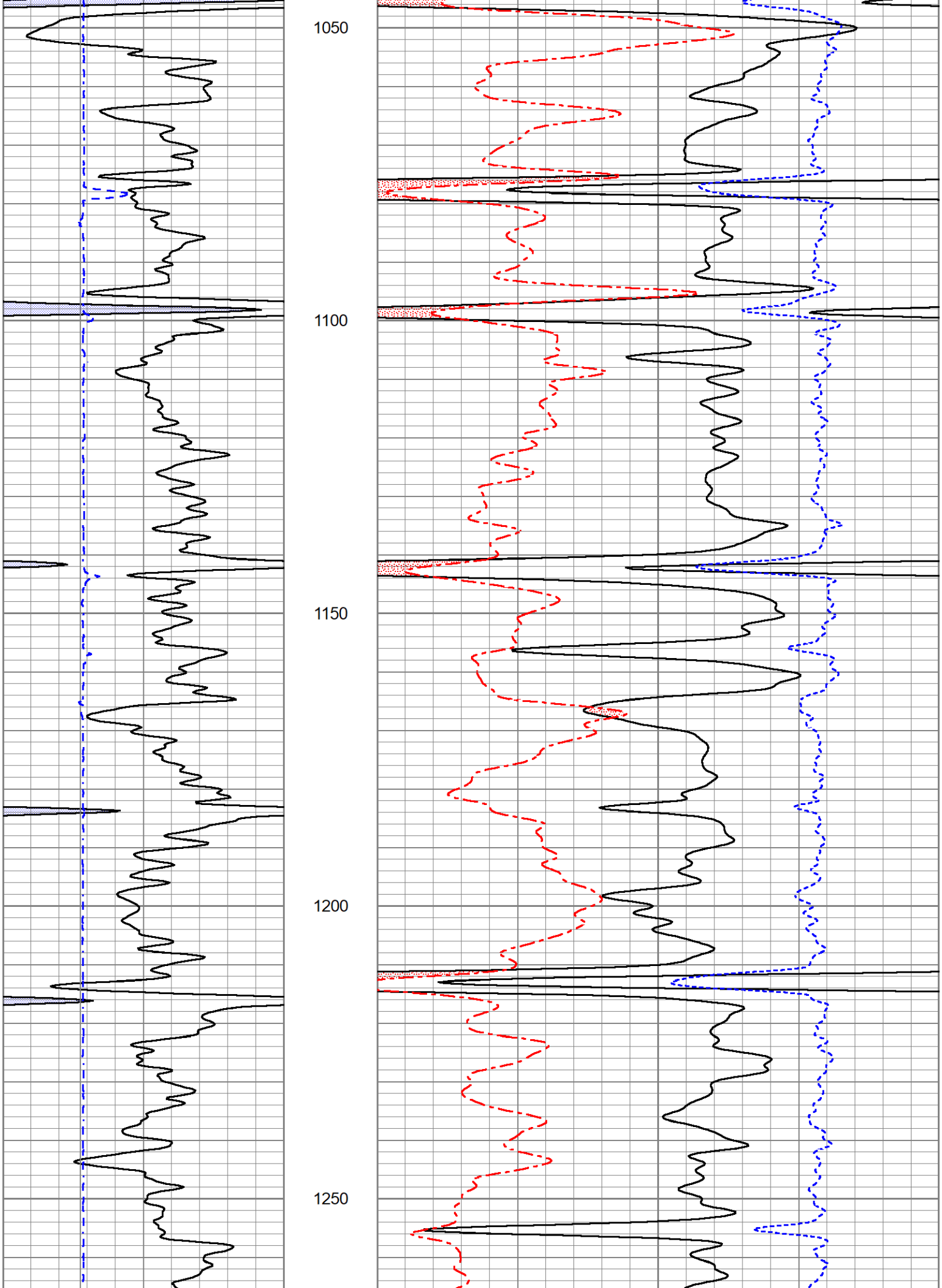
30	Density Porosity (pu)	-10
30	Neutron Porosity (pu)	-10
-0.25	Correction (g/cc)	0.25

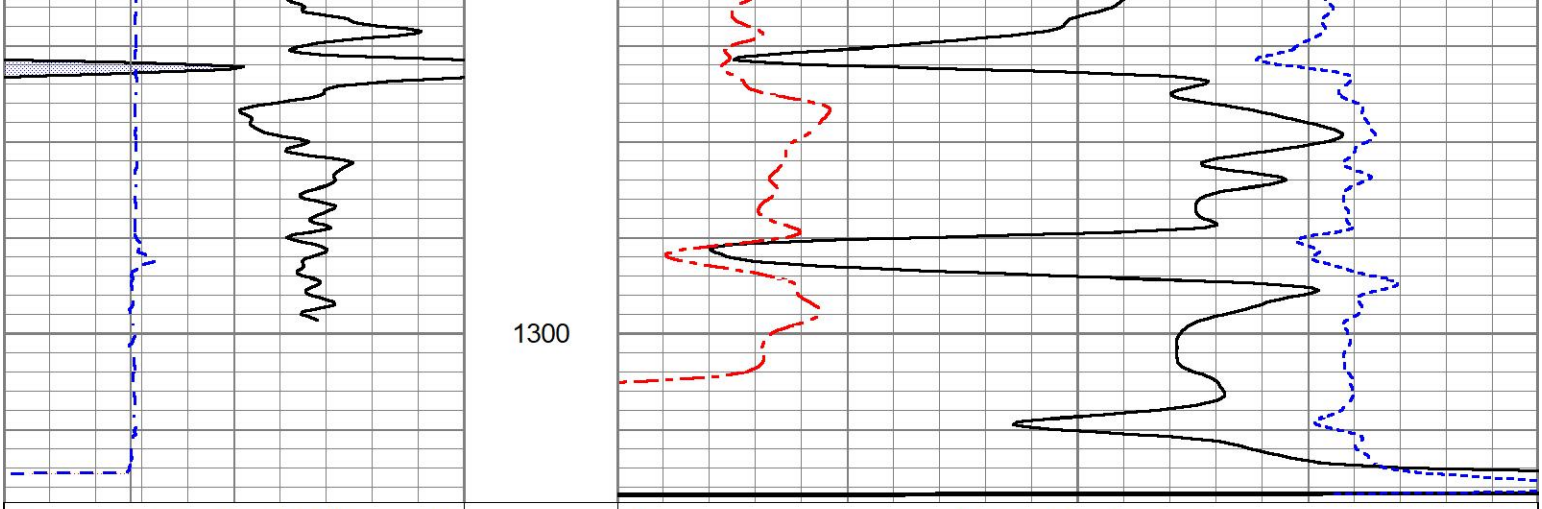



400
450
500
550
600
Fluid Level


650
700
750
800


850
900
950
1000


1050
1100
1150
1200
1250

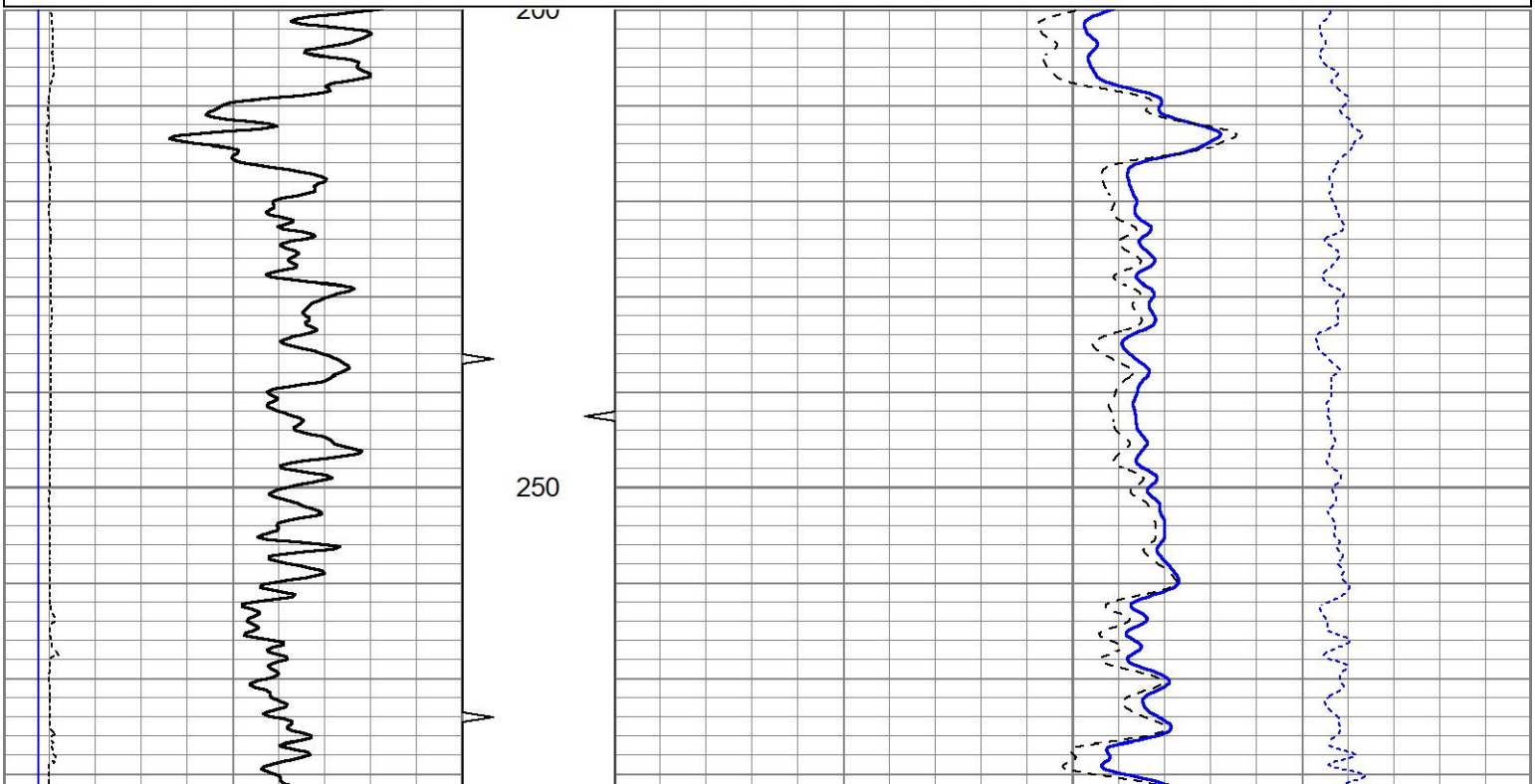


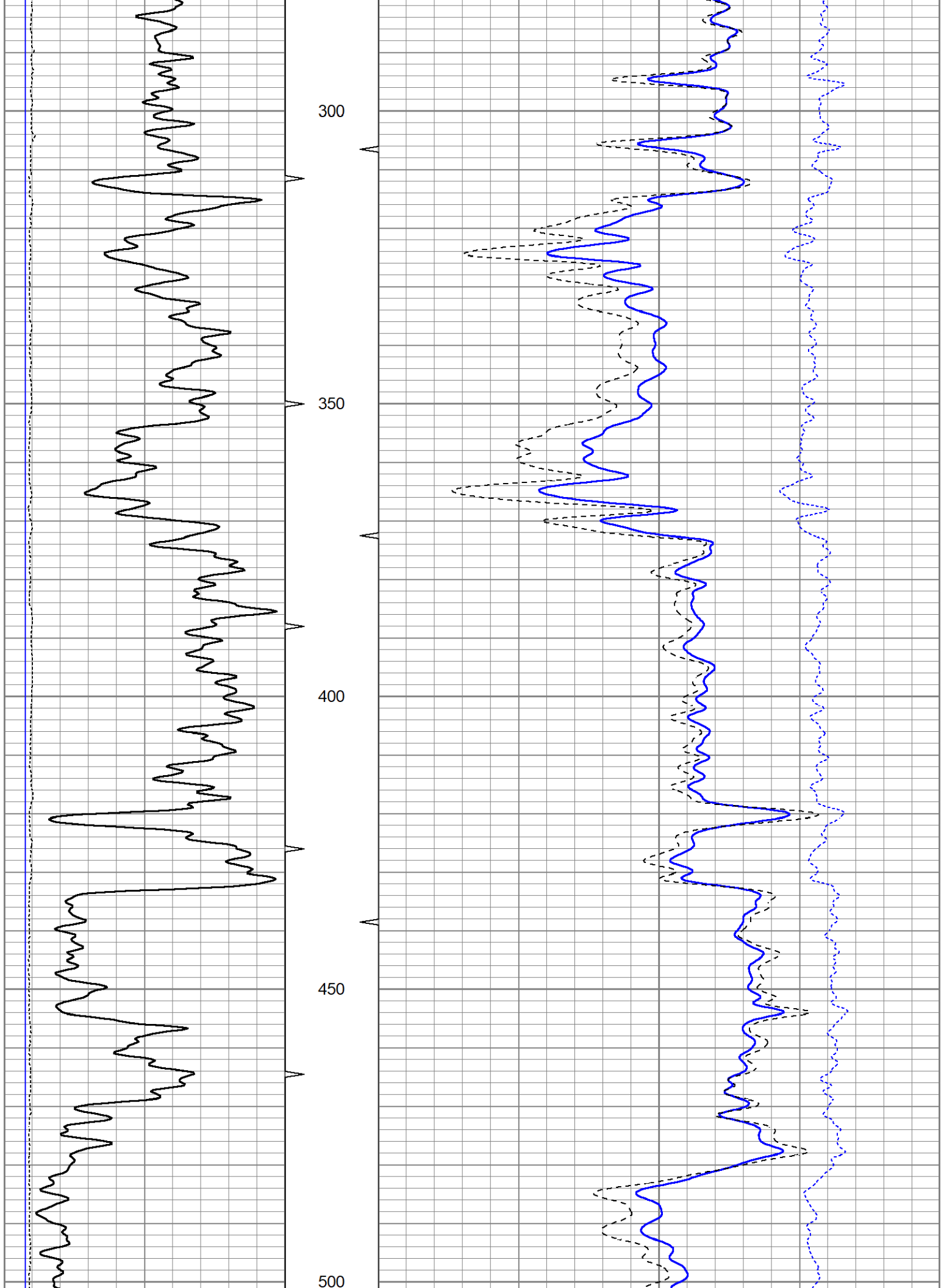
0	Gamma Ray (GAPI)	150	30	Density Porosity (pu)	-10
4	Bit size (in)	14	30	Neutron Porosity (pu)	-10
4	Density Caliper (in)	14	-0.25	Correction (g/cc)	0.25

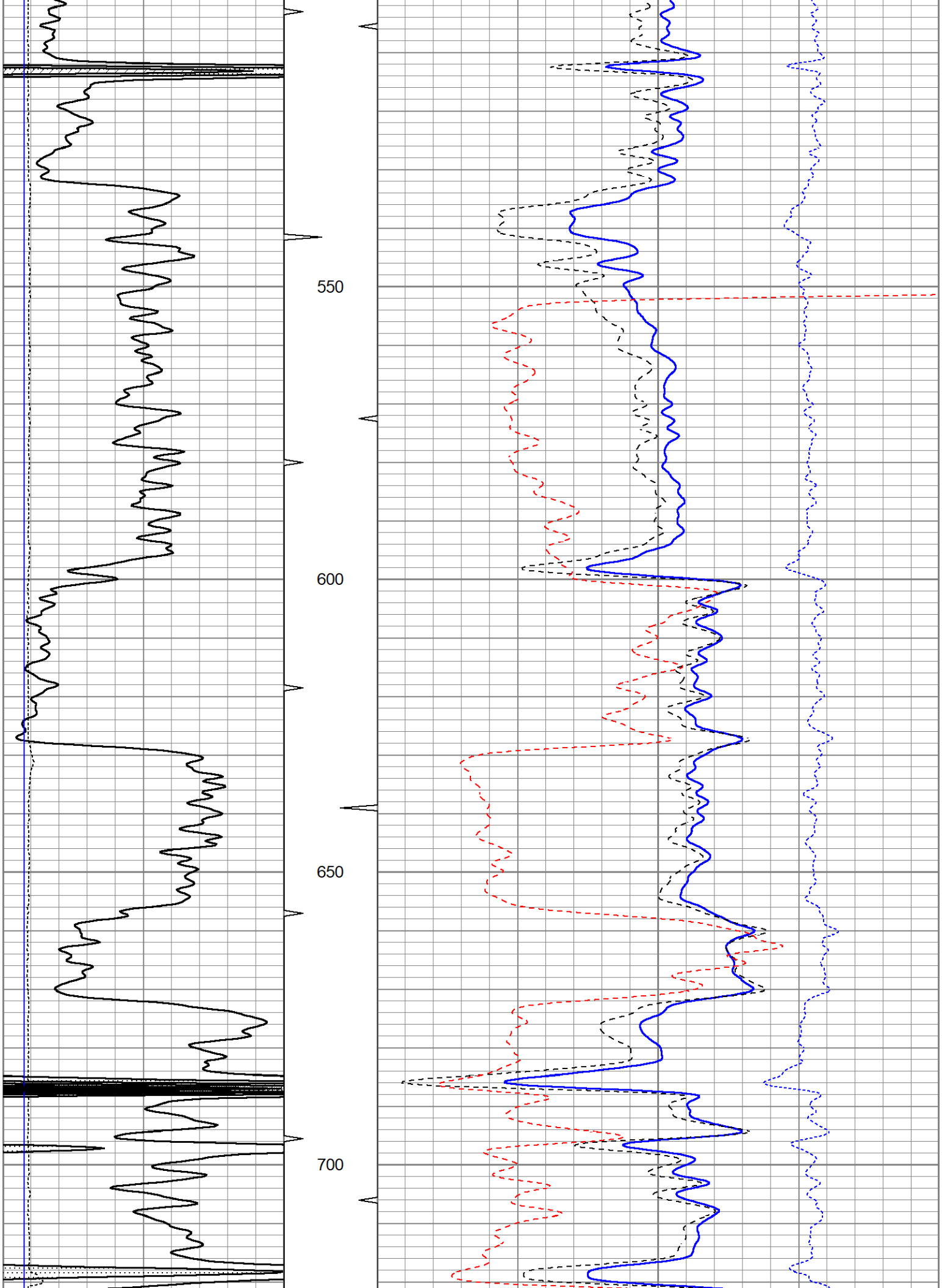
5" BULK DENSITY LOG

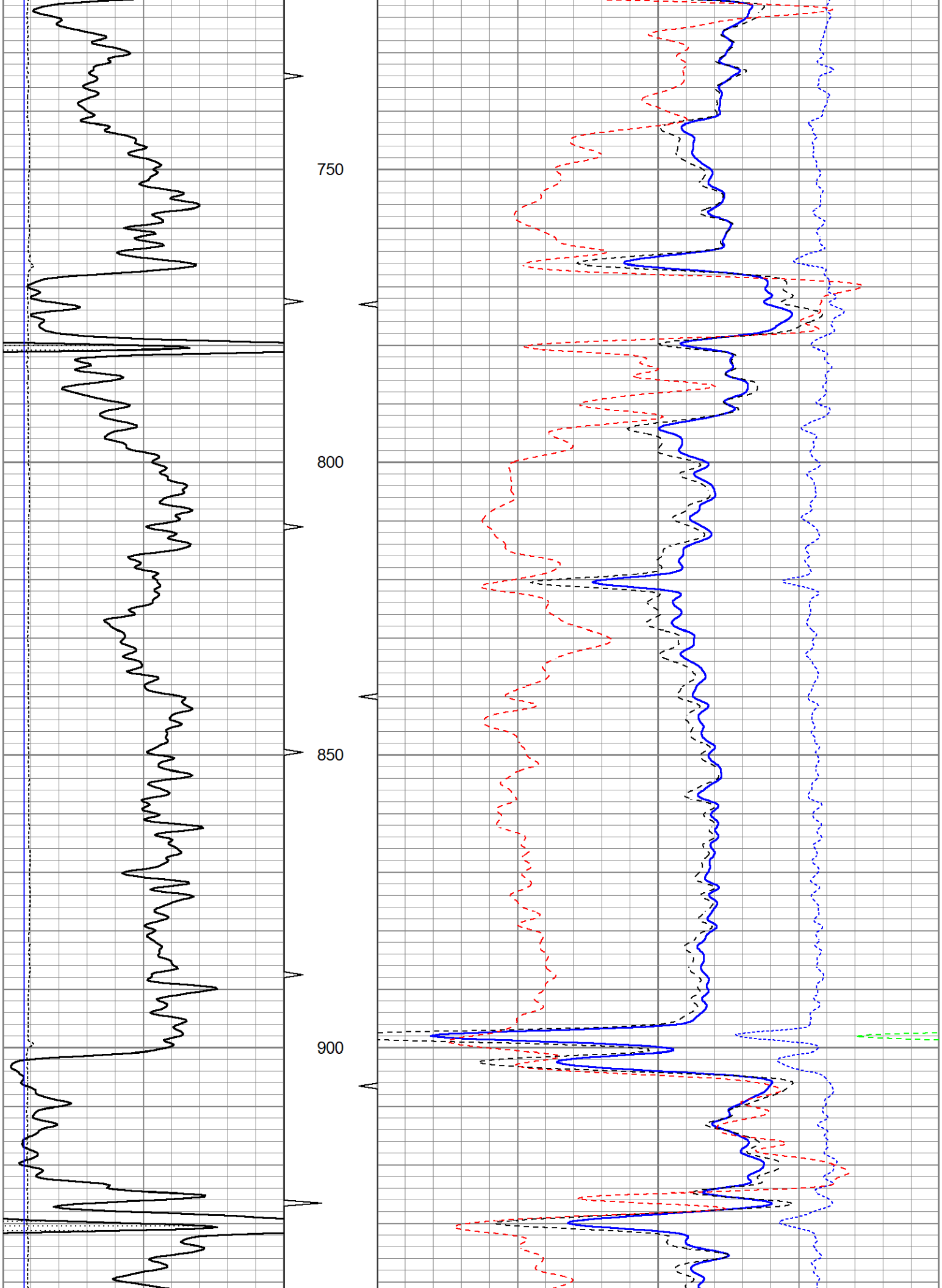
Database File	ow2-9368 redbud twin valley a4-24.db
Dataset Pathname	CDLN/pass3.3
Presentation Format	perlitho
Dataset Creation	Thu Sep 12 13:16:35 2024
Charted by	Depth in Feet scaled 1:240

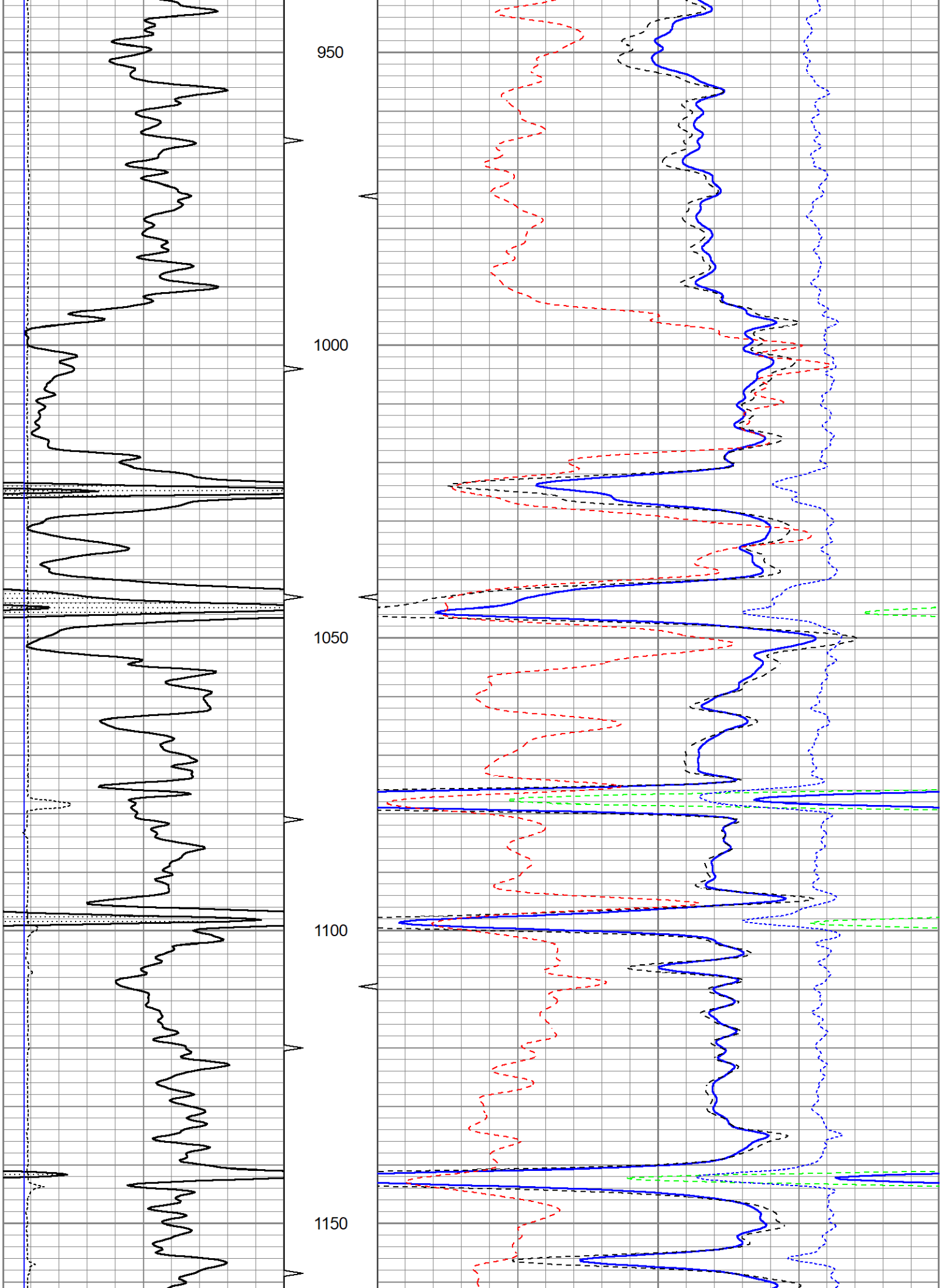
0	Gamma Ray (GAPI)	150	TBHV	2	Bulk Density (g/cc)	3
6	Bit size (in)	16	ABHV	30	Density porosity (pu)	-10
6	Density Caliper (in)	16		30	Neutron Porosity (pu)	-10
				-0.25	Correction (g/cc)	0.25
				4000	Line Tension (lb)	500

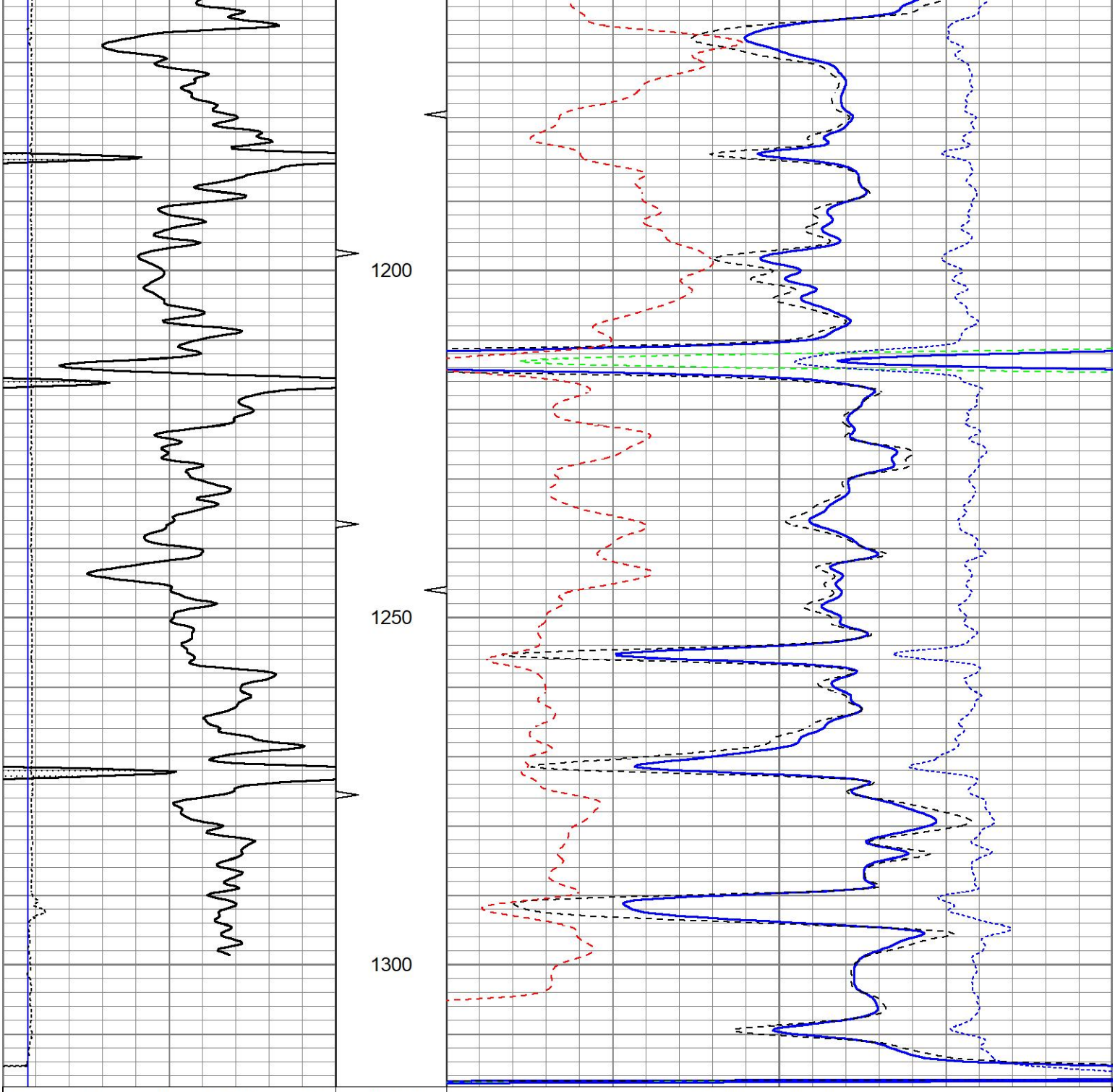



300
350
400
450
500


550
600
650
700


750
800
850
900


950
1000
1050
1100
1150



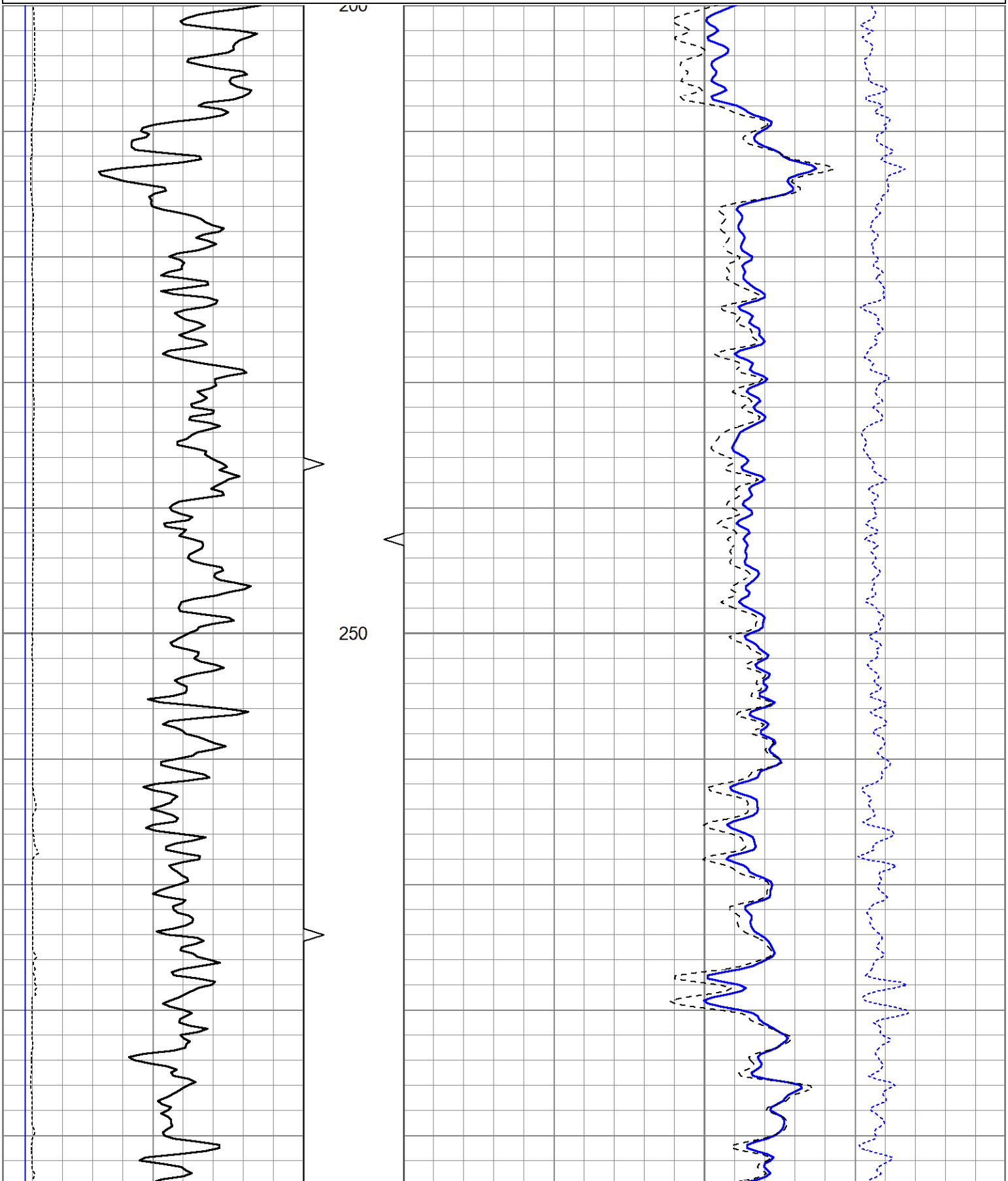
0	Gamma Ray (GAPI)	150	TBHV	2	Bulk Density (g/cc)	3
6	Bit size (in)	16	ABHV	30	Density porosity (pu)	-10
6	Density Caliper (in)	16		30	Neutron Porosity (pu)	-10
				-0.25	Correction (g/cc)	0.25
				4000	Line Tension (lb)	500

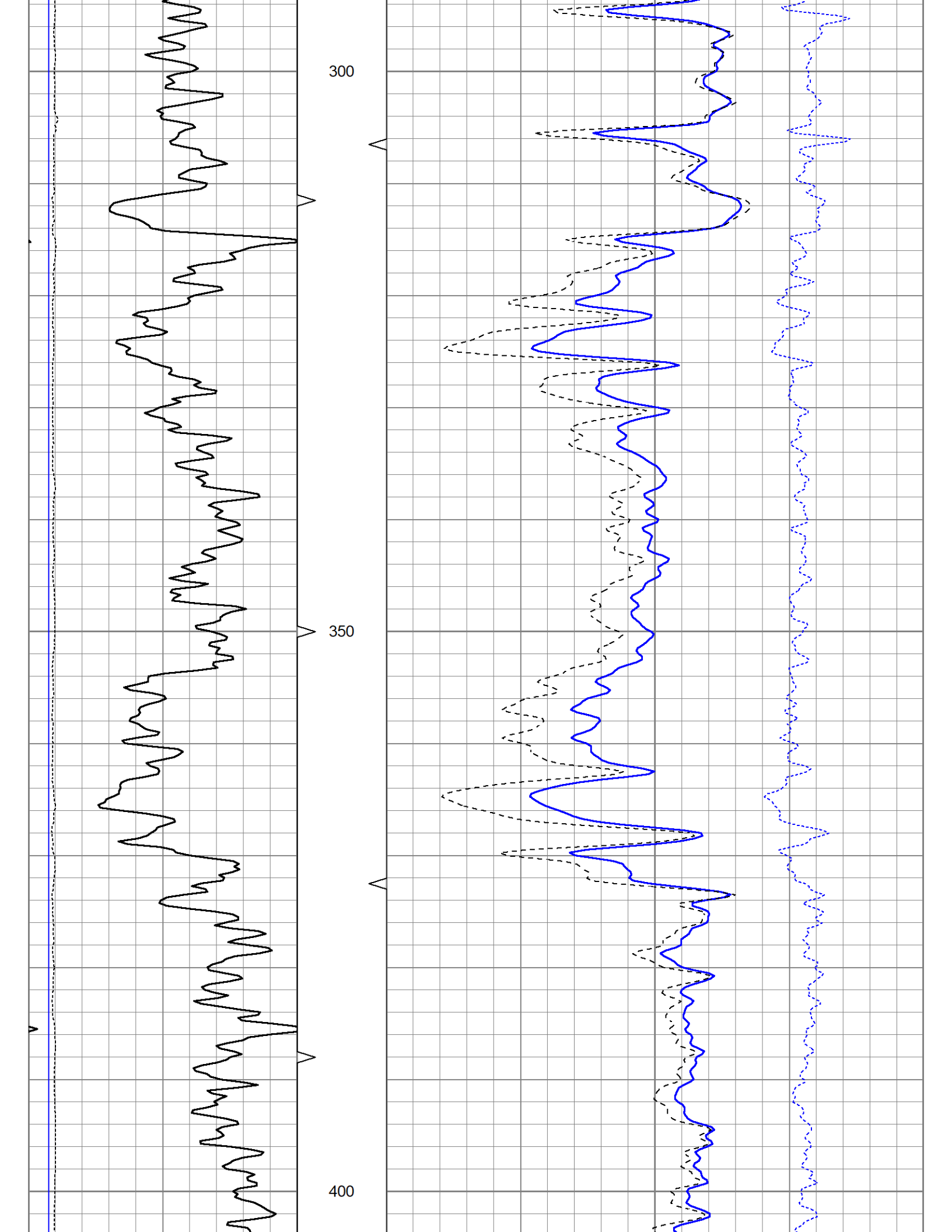
10" HR DENSITY LOG

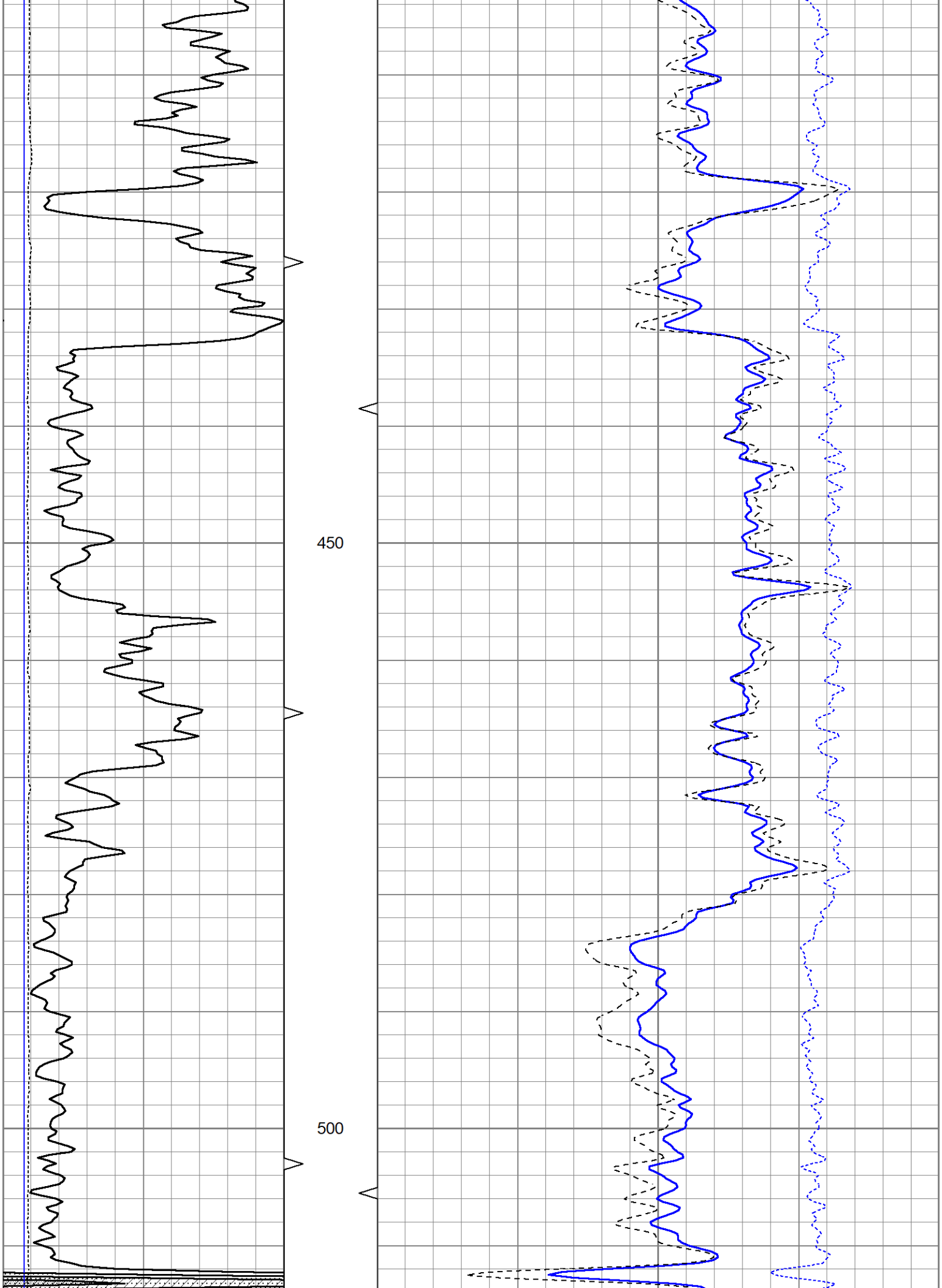
Database File	ow2-9368 redbud twin valley a4-24.db
Dataset Pathname	CDLN/pass3.4
Presentation Format	perlitho
Dataset Creation	Thu Sep 12 13:17:03 2024

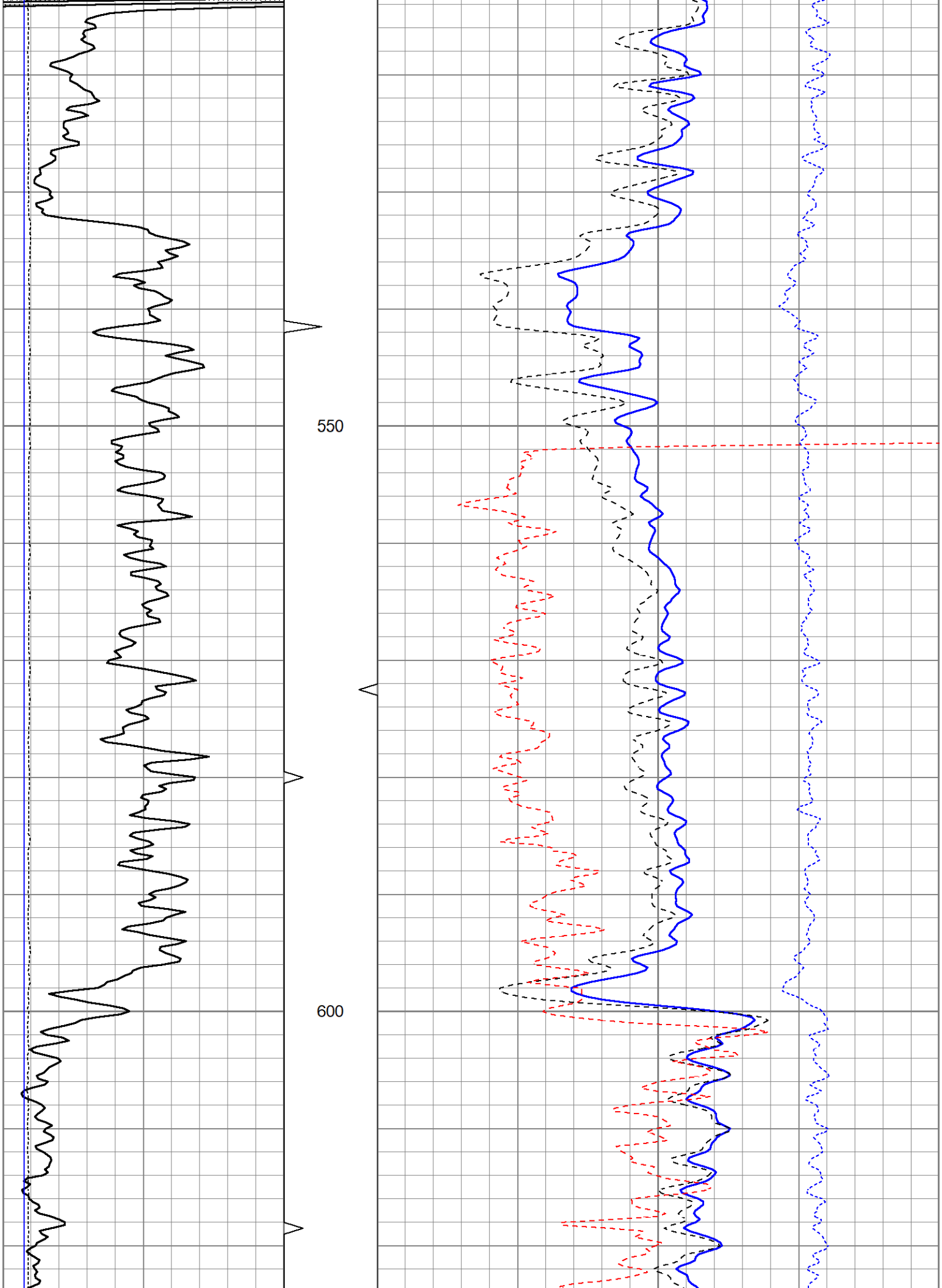
Dataset Creation Thu Sep 12 13:17:03 2024
Charted by Depth in Feet scaled 1:120

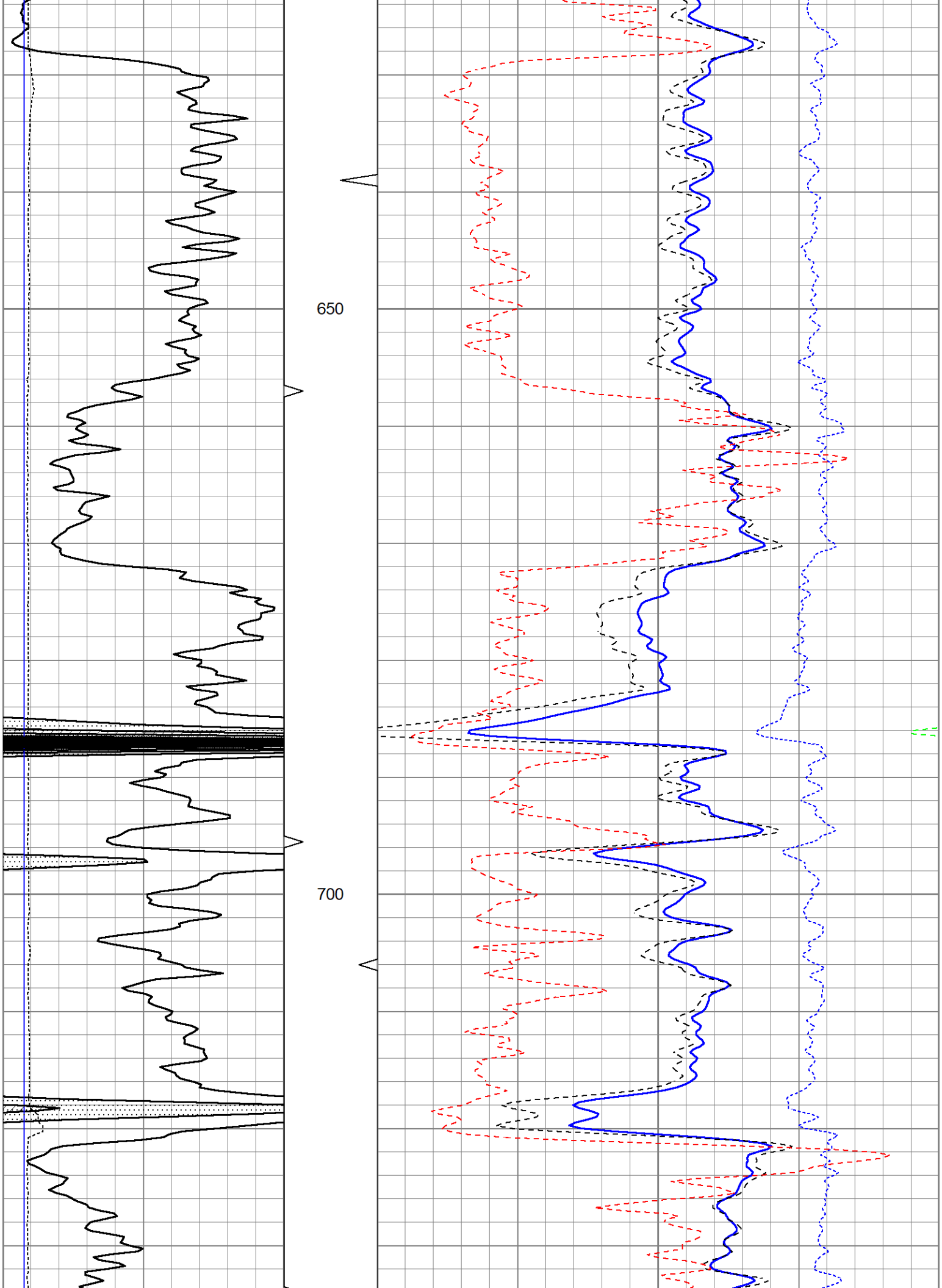
0	Gamma Ray (GAPI)	150	TBHV	2	Bulk Density (g/cc)		3
6	Bit size (in)	16	ABHV	30	Density porosity (pu)		-10
6	Density Caliper (in)	16		30	Neutron Porosity (pu)		-10
				-0.25	Correction (g/cc)		0.25
				4000	Line Tension (lb)		500

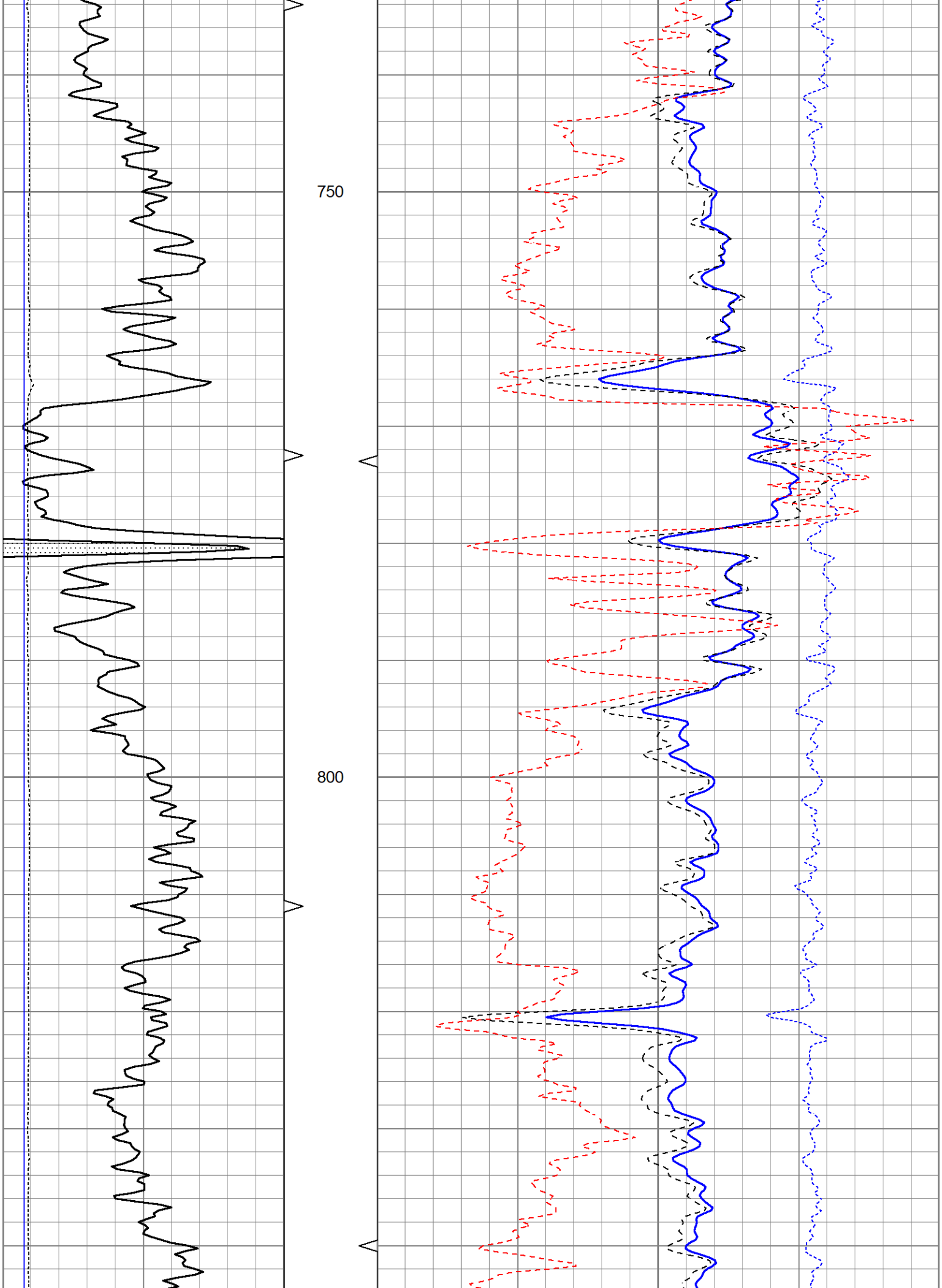


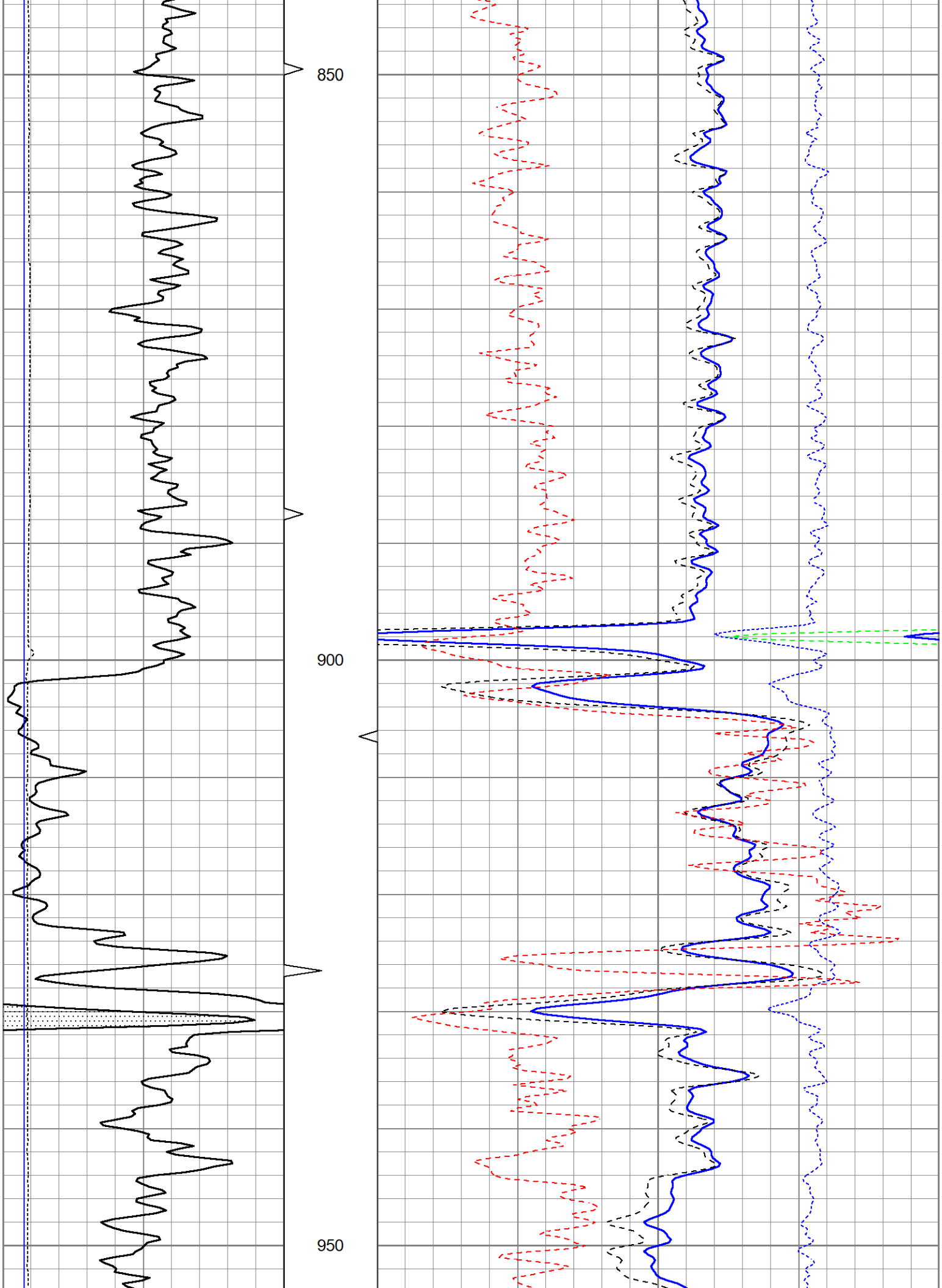

300
350
400

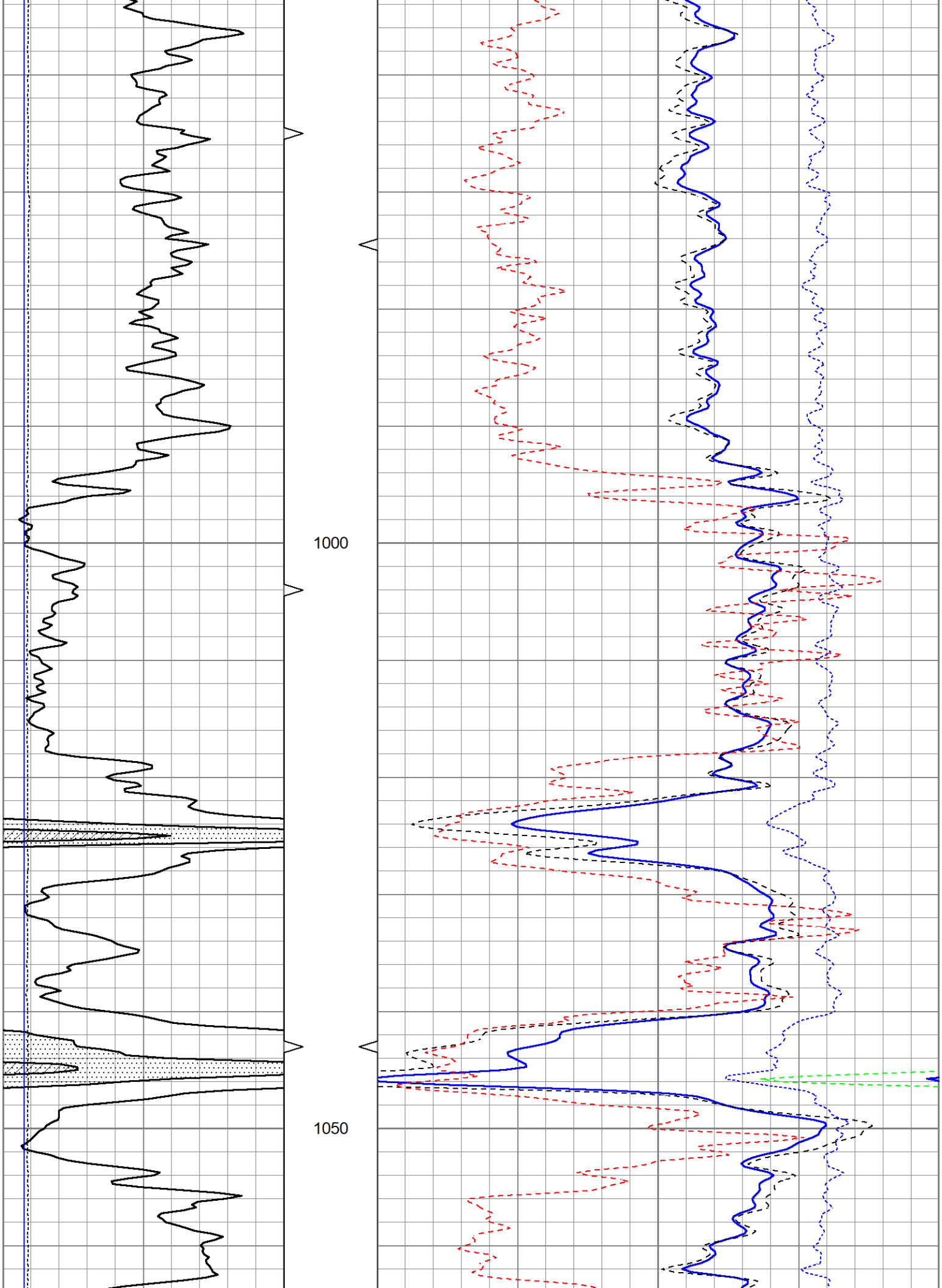

450
500

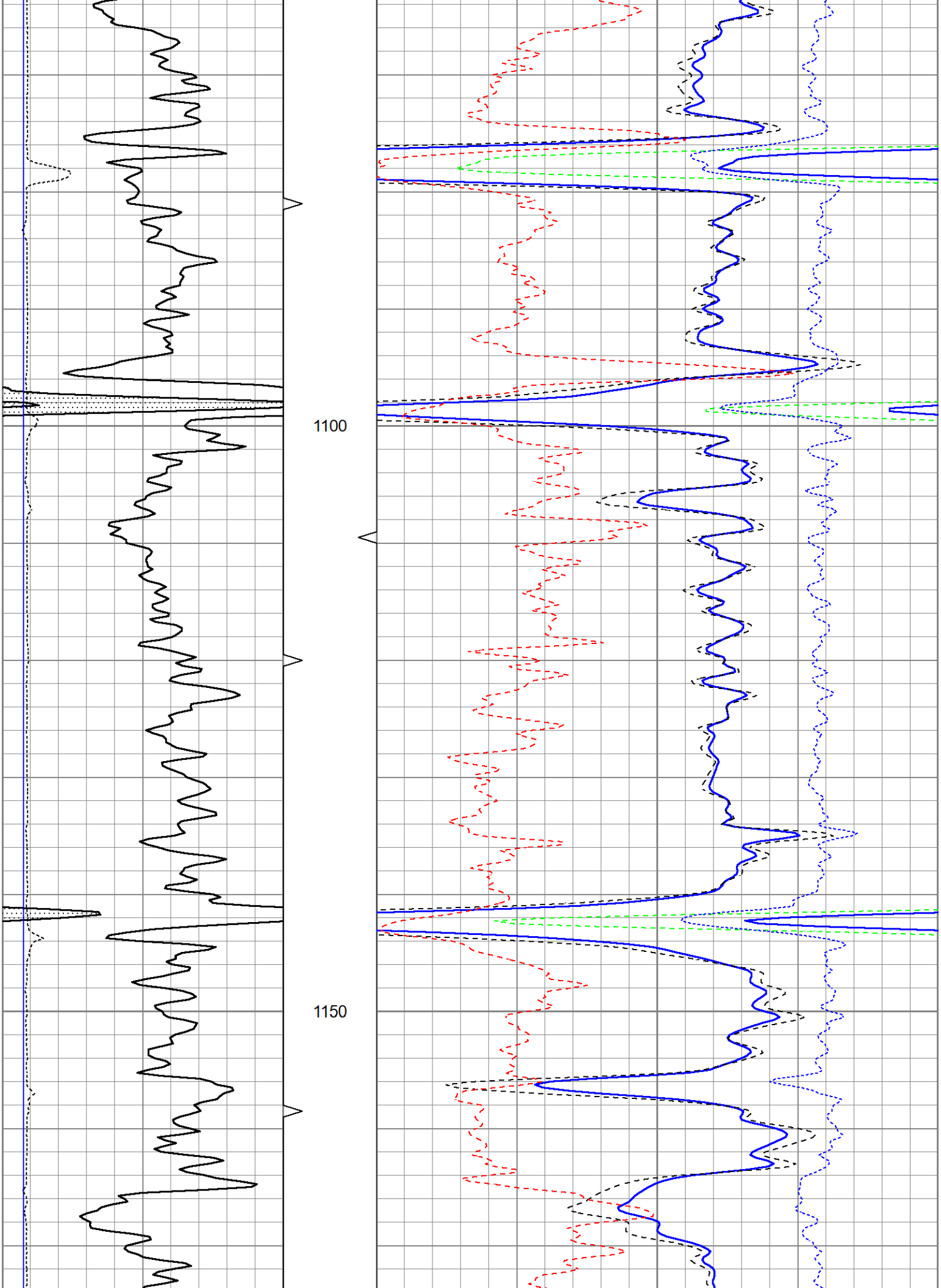

550
600

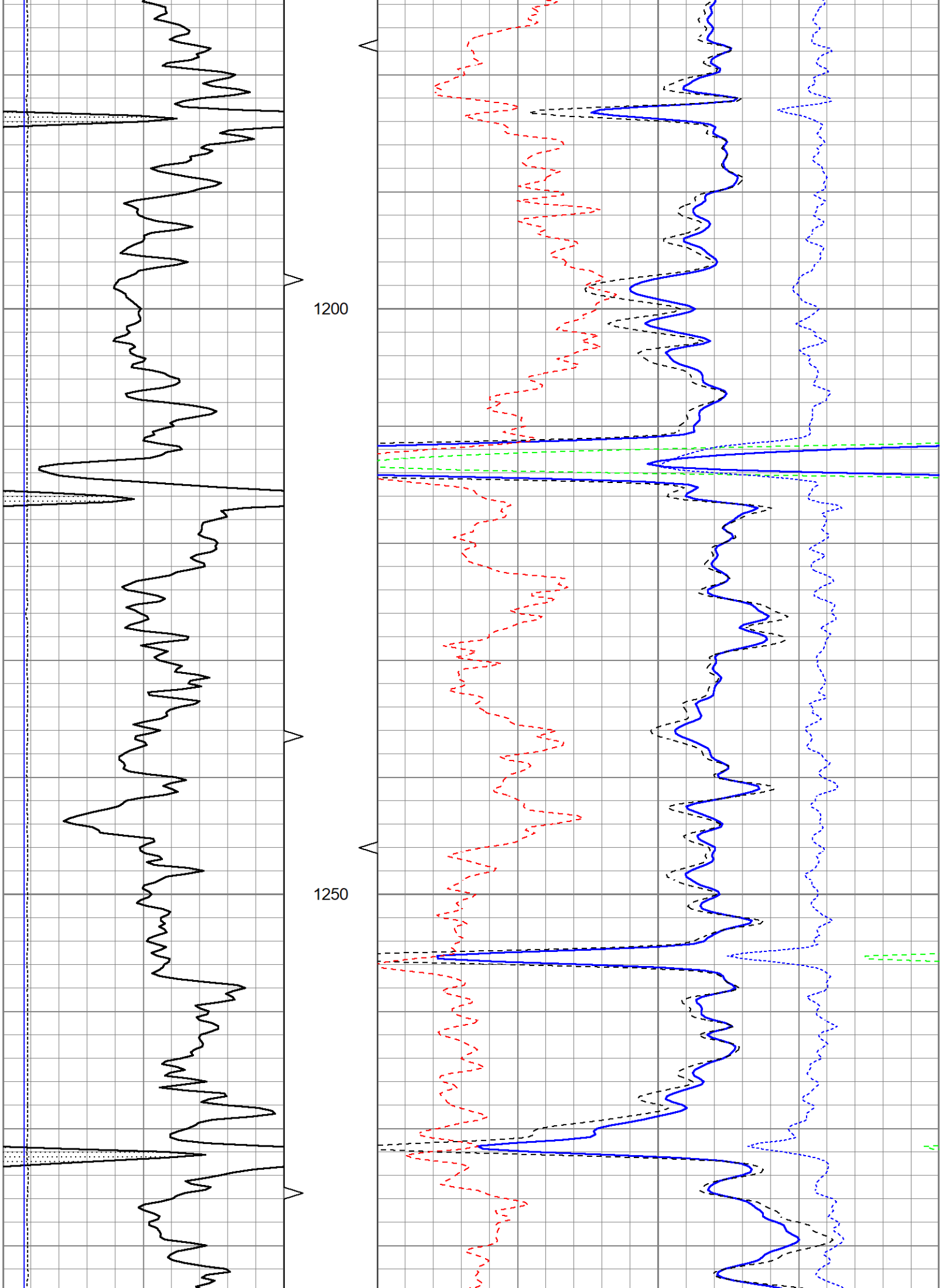

650
700

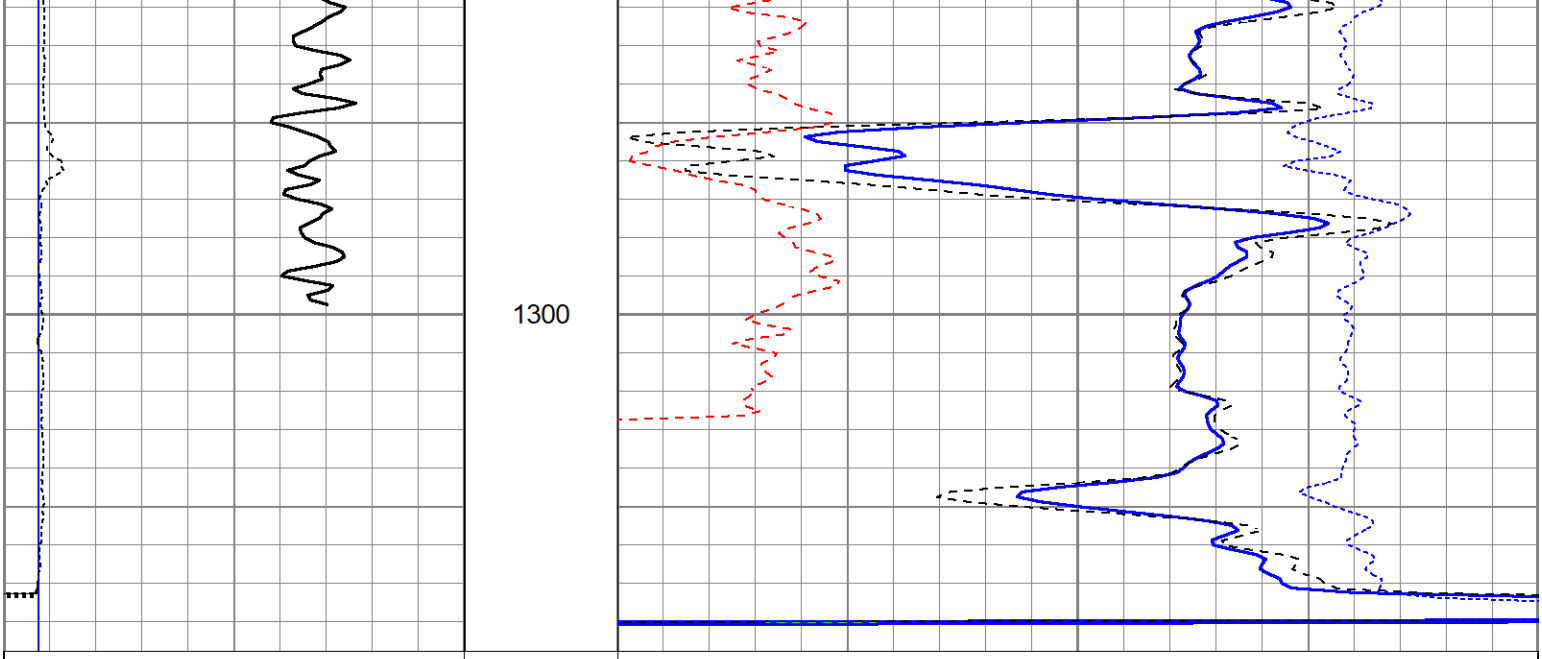

750
800


850
900
950


1000
1050


1100
1150


1200
1250



0	Gamma Ray (GAPI)	150	TBHV	2	Bulk Density (g/cc)		3
6	Bit size (in)	16	ABHV	30	Density porosity (pu)		-10
6	Density Caliper (in)	16		30	Neutron Porosity (pu)		-10
				-0.25	Correction (g/cc)		0.25
				4000	Line Tension (lb)		500

Calibration Report

Database File	ow2-9368 redbud twin valley a4-24.db
Dataset Pathname	CDLN/pass3.3
Dataset Creation	Thu Sep 12 13:16:35 2024

Compensated Density Calibration Report

Serial-Model:	Digital Density (PINK 20602 CSV D-19)-C: Digital Density
Source / Verifier:	D-19 / OW2
Master Calibration Performed:	Thu Aug 29 09:24:31 2024
Before Survey Verification Performed:	
After Survey Verification Performed:	

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.700	g/cc	9947.40	7308.05	cps
Aluminum	2.600	g/cc	1255.39	1911.98	cps

Spine Angle = 57.07

Density/Spine Ratio = 0.365

	Size		Reading	
Small Ring	5.85	in	199047.00	cps
Large Ring	10.75	in	328985.00	cps

Before Survey Verification

	Target		Measured	
		g/cc		g/cc
		g/cc		g/cc
		g/cc		g/cc

After Survey Verification

	Target	Measured
	g/cc	g/cc
	g/cc	g/cc
	g/cc	g/cc

Neutron Calibration Report

Serial Number:	(PINK AAAA NEUTRON SWING DOOR)		
Tool Model:	ADDON		
Performed:	Wed Aug 14 16:54:43 2024		
Calibrator Values:	0	28	
Calibrator Readings:	1650	720	cps
Sensitivity:	-0.0301075	/cps	

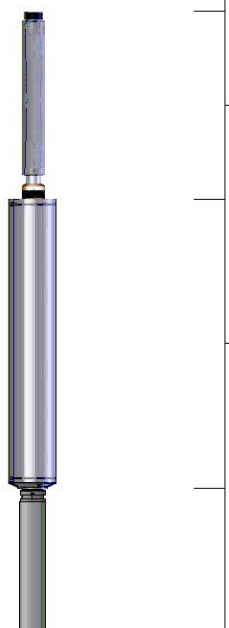
Inclinometer Calibration Report

Performed: Mon Aug 21 11:24:36 2023

	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	205.00	1843.00	-1.00	1.00	gee
Y Accelerometer	205.00	1843.00	-1.00	1.00	gee
Z Accelerometer					gee

Gamma Ray Calibration Report

Serial Number:	Pink Tool 001	
Tool Model:	OSAGE_01	
Performed:	Thu Jan 11 12:04:08 2024	
Calibrator Value:	150.0	GAPI
Background Reading:	135.0	cps
Calibrator Reading:	265.0	cps
Sensitivity:	1.1539	GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb
ACCY	17.83					
ACCX	17.83		ADMYR_TELEMETRY-OSAGE_01 (Pink Tool 001) Admyr Telemetry With Gr, Deviation, ADC board and Pulses Board in it.	3.69	3.25	53.00
GR	16.65					
FRAMES	15.33					
SSTAT	15.33					
PSTAT	15.33					
ASTAT	15.33					
			NEU-ADDON ((PINK AAAA NEUTRON SWING DOOR)) Inline Neutron	5.65	3.38	84.00
NEU	11.66					

			ADT1LITH-C: Digital Density (Digital Density (PINK 20602 CSV D-19))	9.69	0.00
DCAL	2.79				
LSD	2.54				
SSD	1.96				
PSTAT2	0.00				
TR_Mon	0.00				

Dataset:	ow2-9368 redbud twin valley a4-24.db: field/well/CDLN/pass3.3
Total length:	19.02 ft
Total weight:	137.00 lb
O.D.:	3.38 in