LITHO DENSITY NEUTRON LOG

Company CHEROKEE WELLS LLC
Well DART ET AL # B4-36
Field BUFFALO-VILAS
County WILSON
State KANSAS

Company CHEROKEE WELLS LLC
Well DART ET AL # B4-36
Field BUFFALO-VILAS
County WILSON
State KANSAS

Location: API # : 15-205-28552-00-00
C SE NE
1980' FNL & 660' FEL
SEC 36 TWP 27S RGE 15E

Other Services
DIL

Permanent Datum GL Elevation 934
Log Measured From GL
Drilling Measured From GL

Elevation
K.B.
D.F.
G.L. 934

Date	8-14-2024		
Run Number	ONE		
Depth Driller	1239		
Depth Logger	1239		
Bottom Logged Interval	1237		
Top Log Interval	20		
Casing Driller	8.625" @ 20		
Casing Logger	8.625" @ 20		
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	SHELDON TYLER		
Witnessed By	JEFF MORRIS		

<<< 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 # OW2-9358 CHEROKEE WELLS
CHRIS, CHARLES

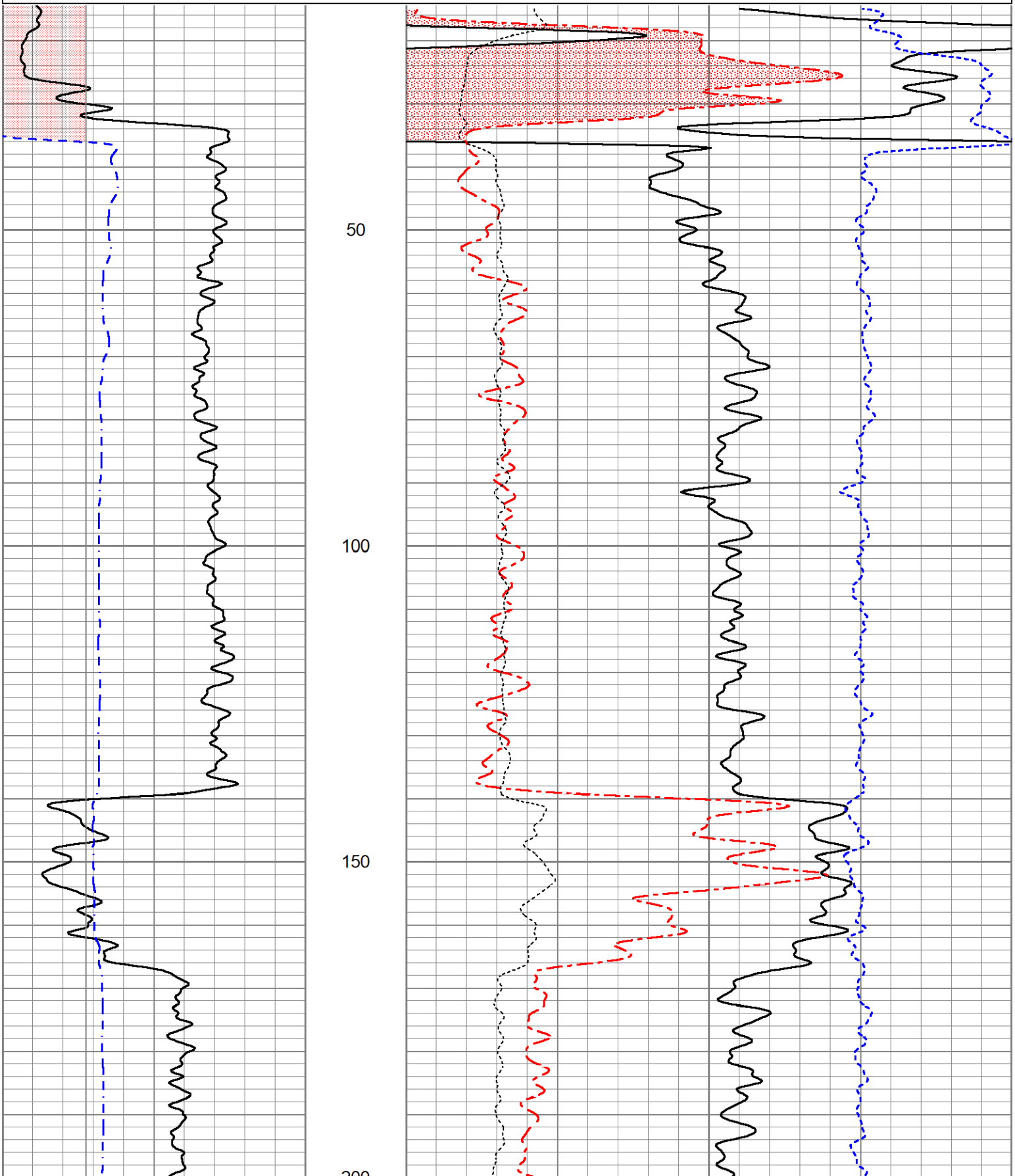
THANK YOU FOR USING OSAGE WIRELINE

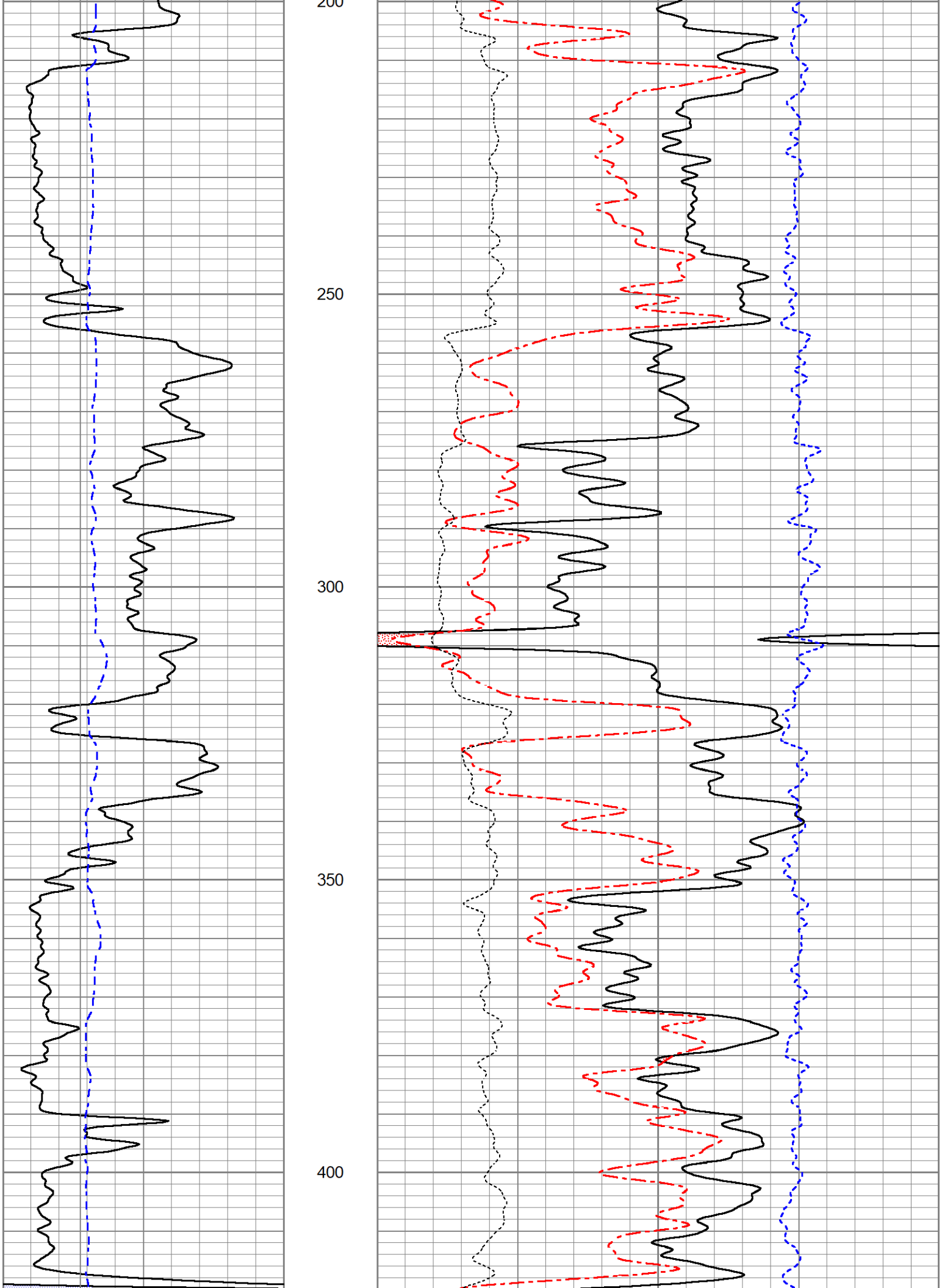
5" DENSITY NEUTRON LOG

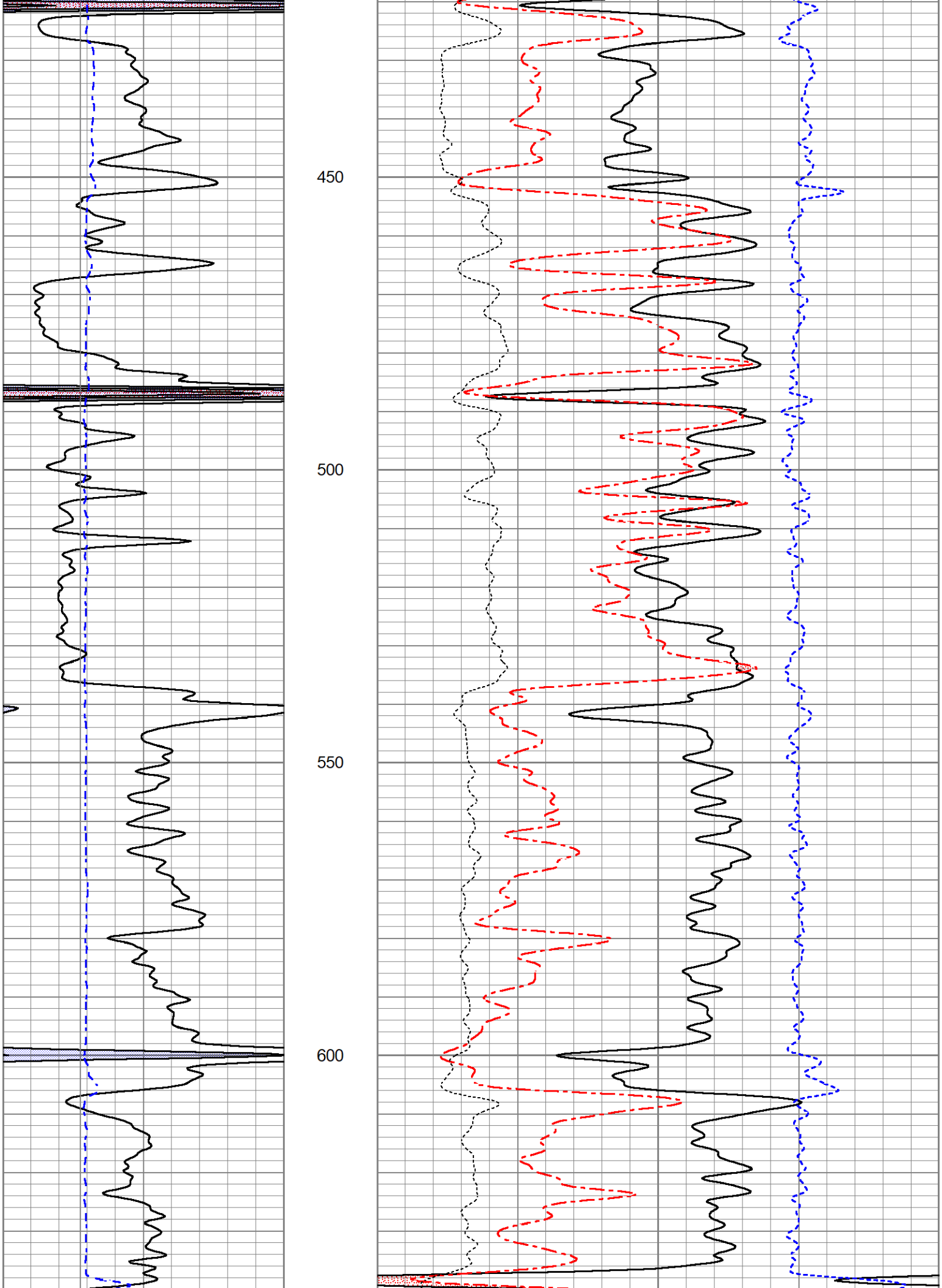
Database File	ow2-9358 cherokee wells dart et al # b4-36.db
Dataset Pathname	CDL/pass2.11
Presentation Format	stcdln-4-14_5
Dataset Creation	Wed Aug 14 10:02:10 2024
Charted by	Depth in Feet scaled 1:240

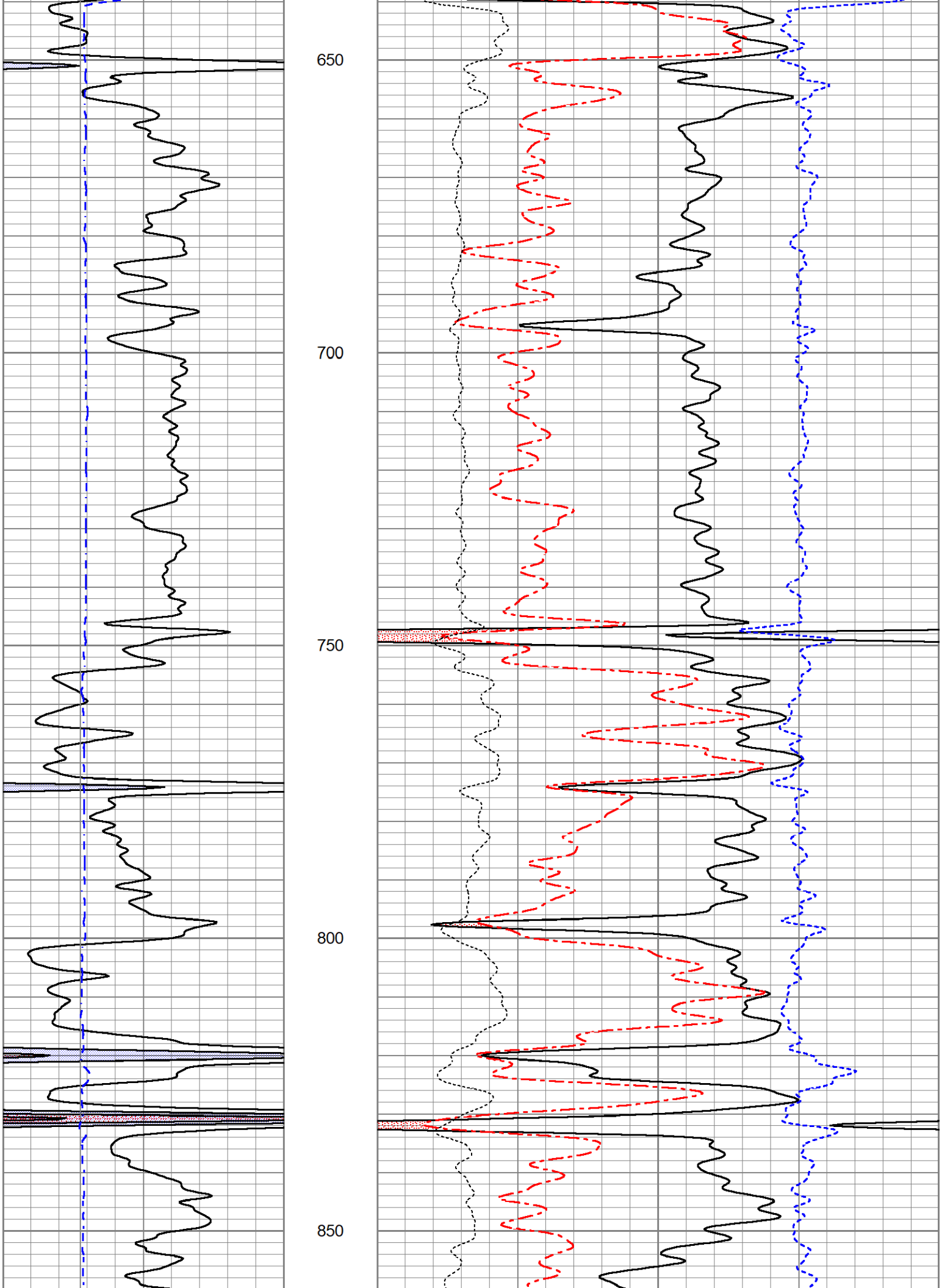
0	Gamma Ray (GAPI)	150
4	Bit size (in)	14
4	Density Caliper (in)	14

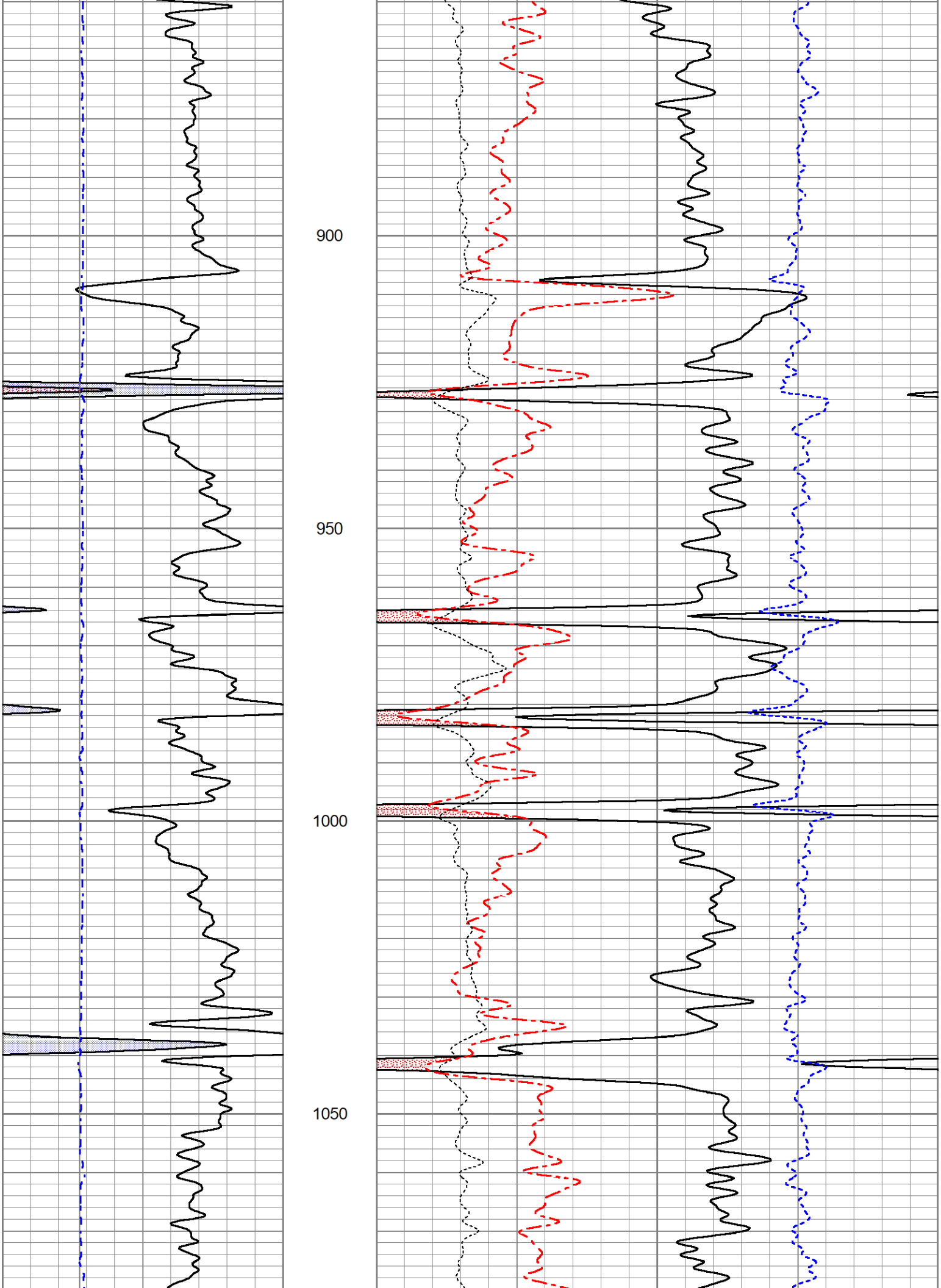
30	Density Porosity (pu)	-10
30	Neutron Porosity (pu)	-10
0	PE (barn) 10 -0.25 Correction (g/cc)	0.25

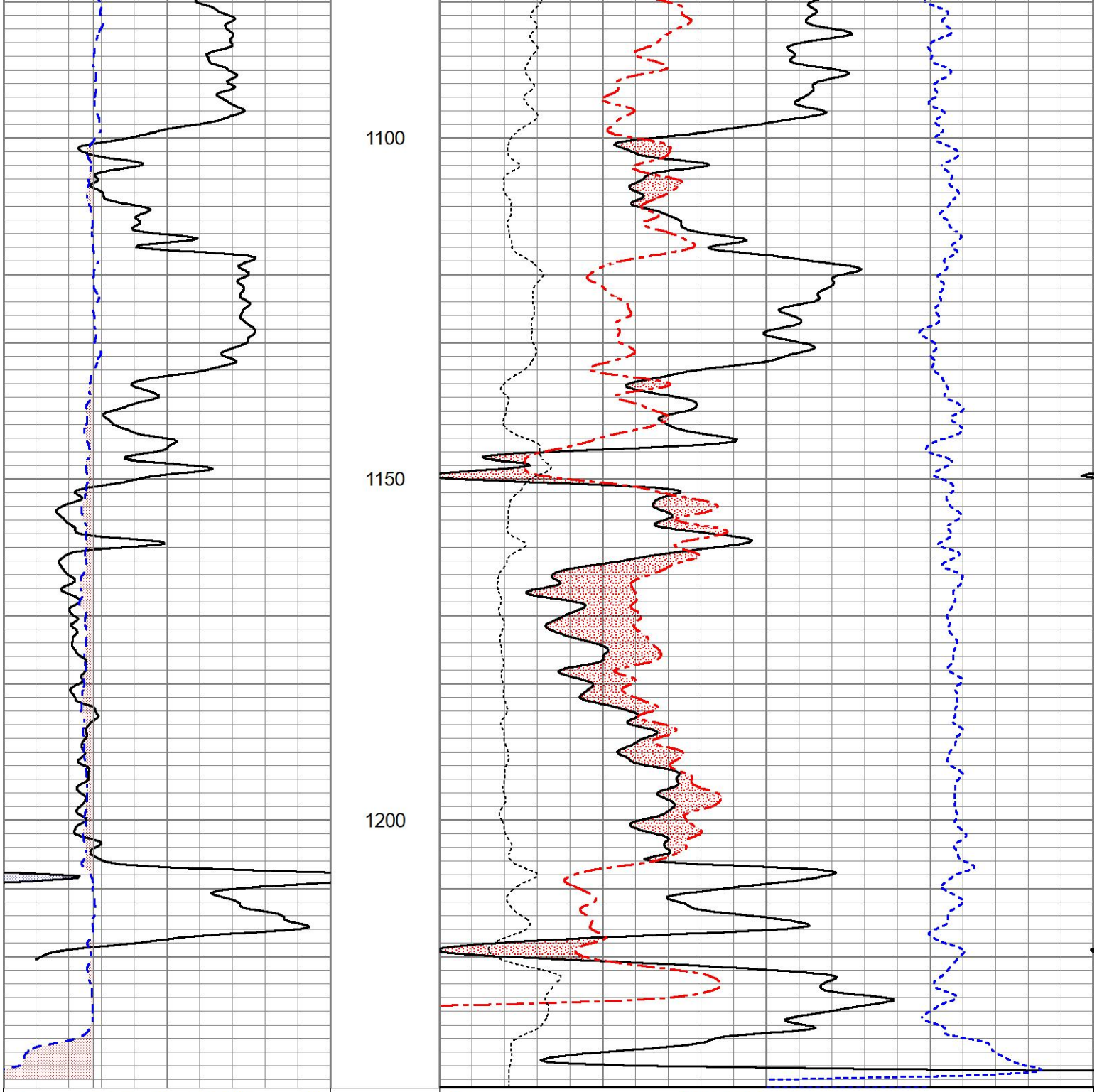



200
250
300
350
400


450
500
550
600

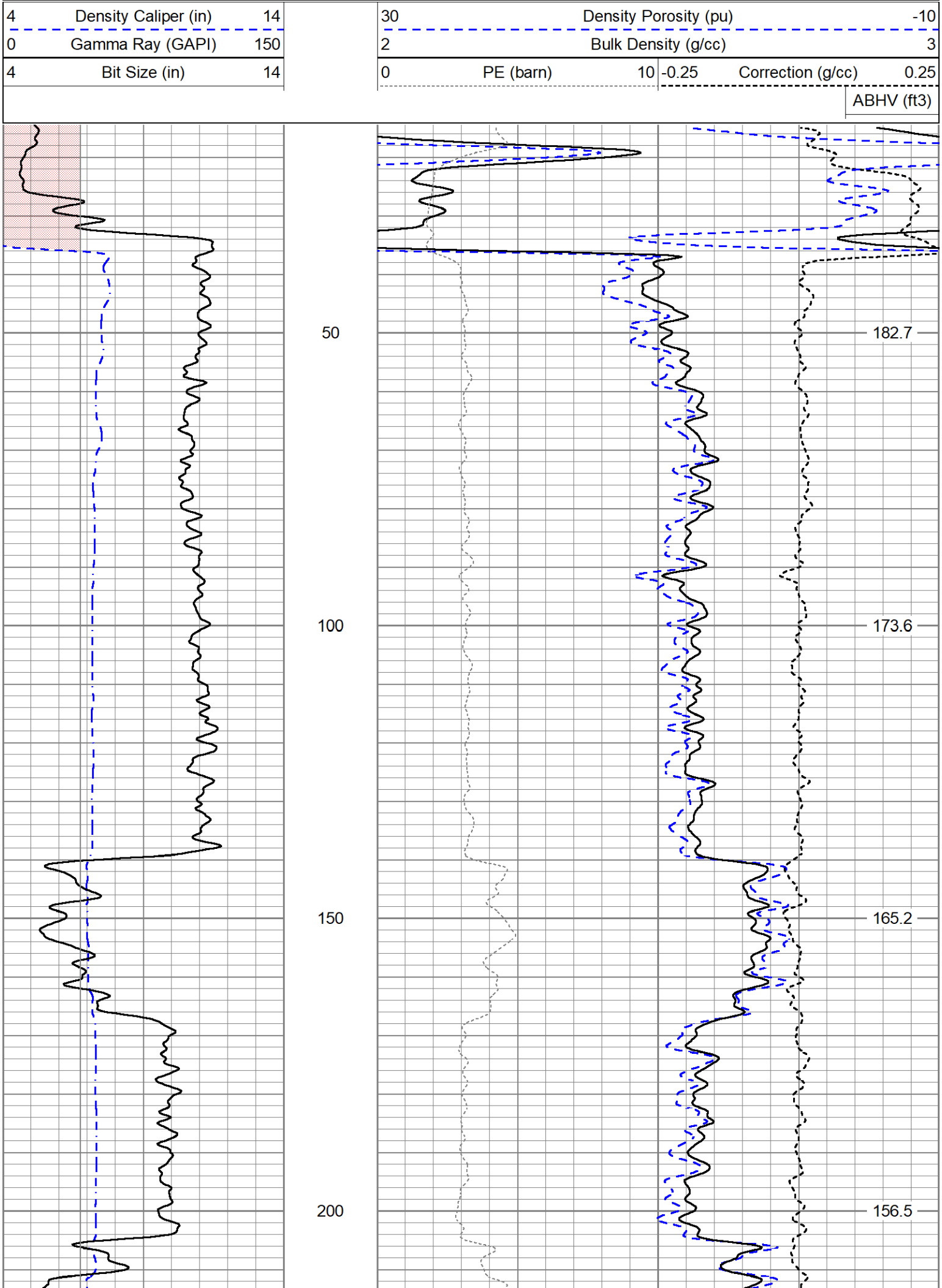

650
700
750
800
850

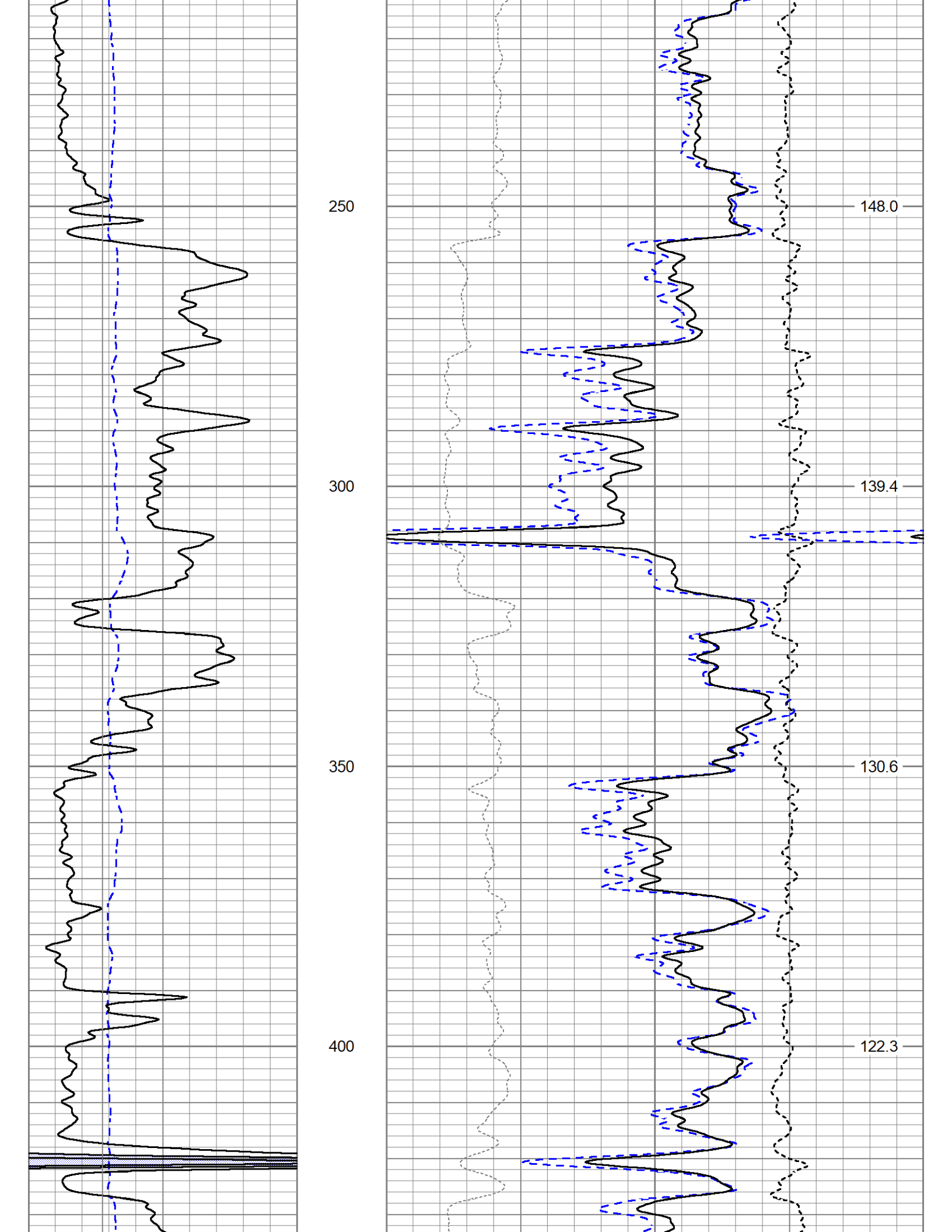

900
950
1000
1050

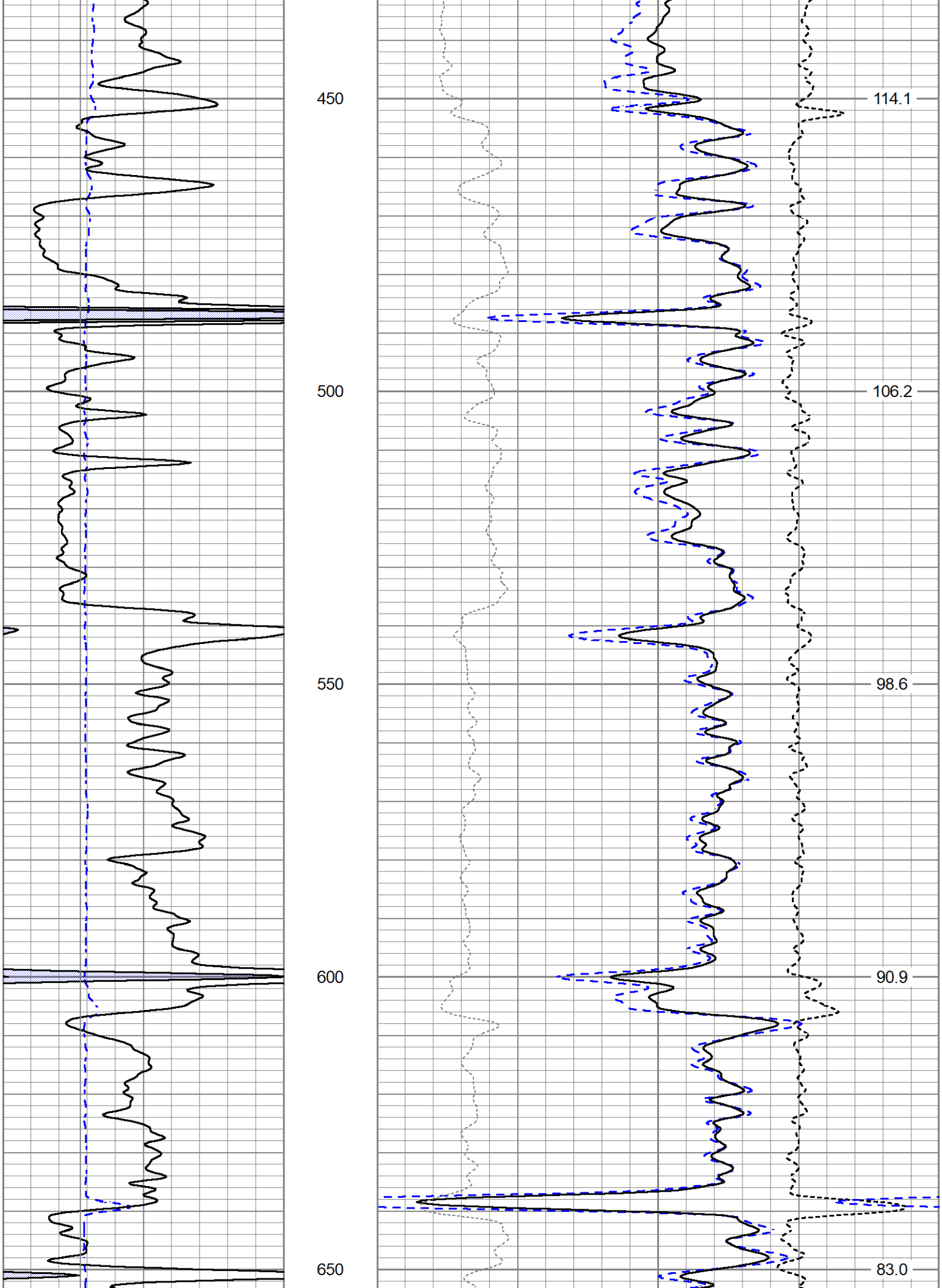


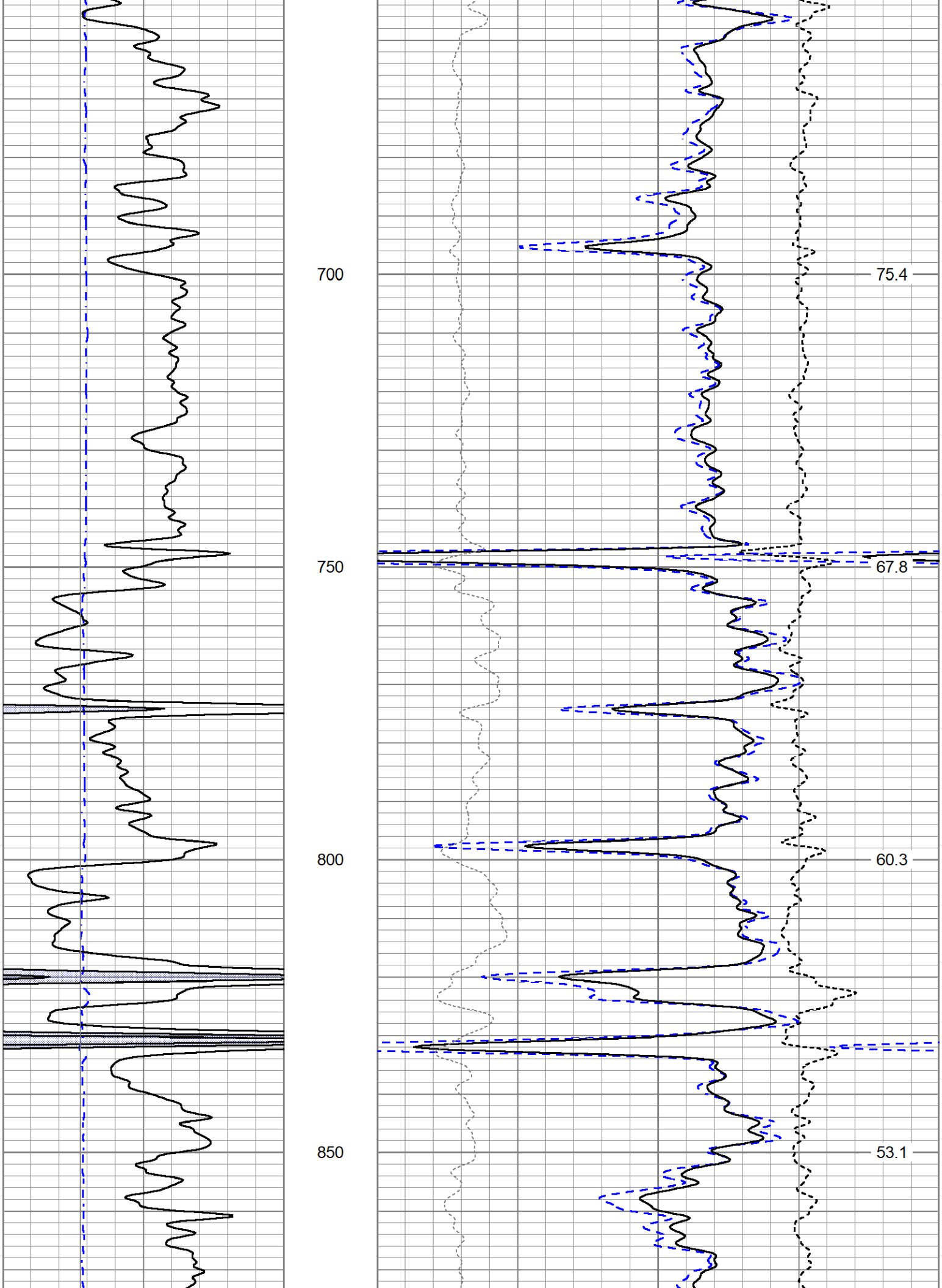
5" LITHO DENSITY LOG

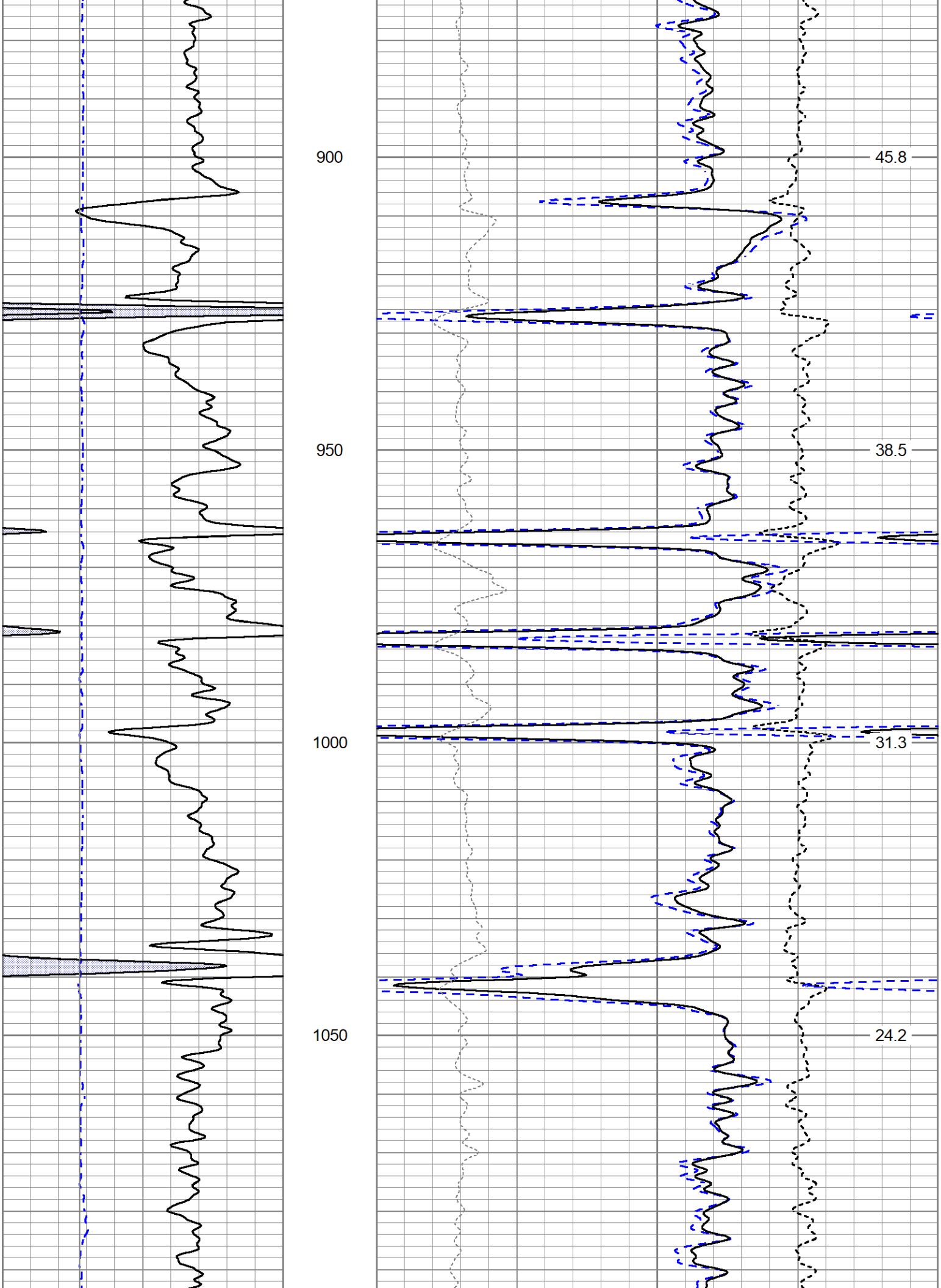
Database File	ow2-9358 cherokee wells dart et al # b4-36.db
Dataset Pathname	CDL/pass2.12
Presentation Format	stcdl-4-14_5
Dataset Creation	Wed Aug 14 10:02:19 2024
Charted by	Depth in Feet scaled 1:240

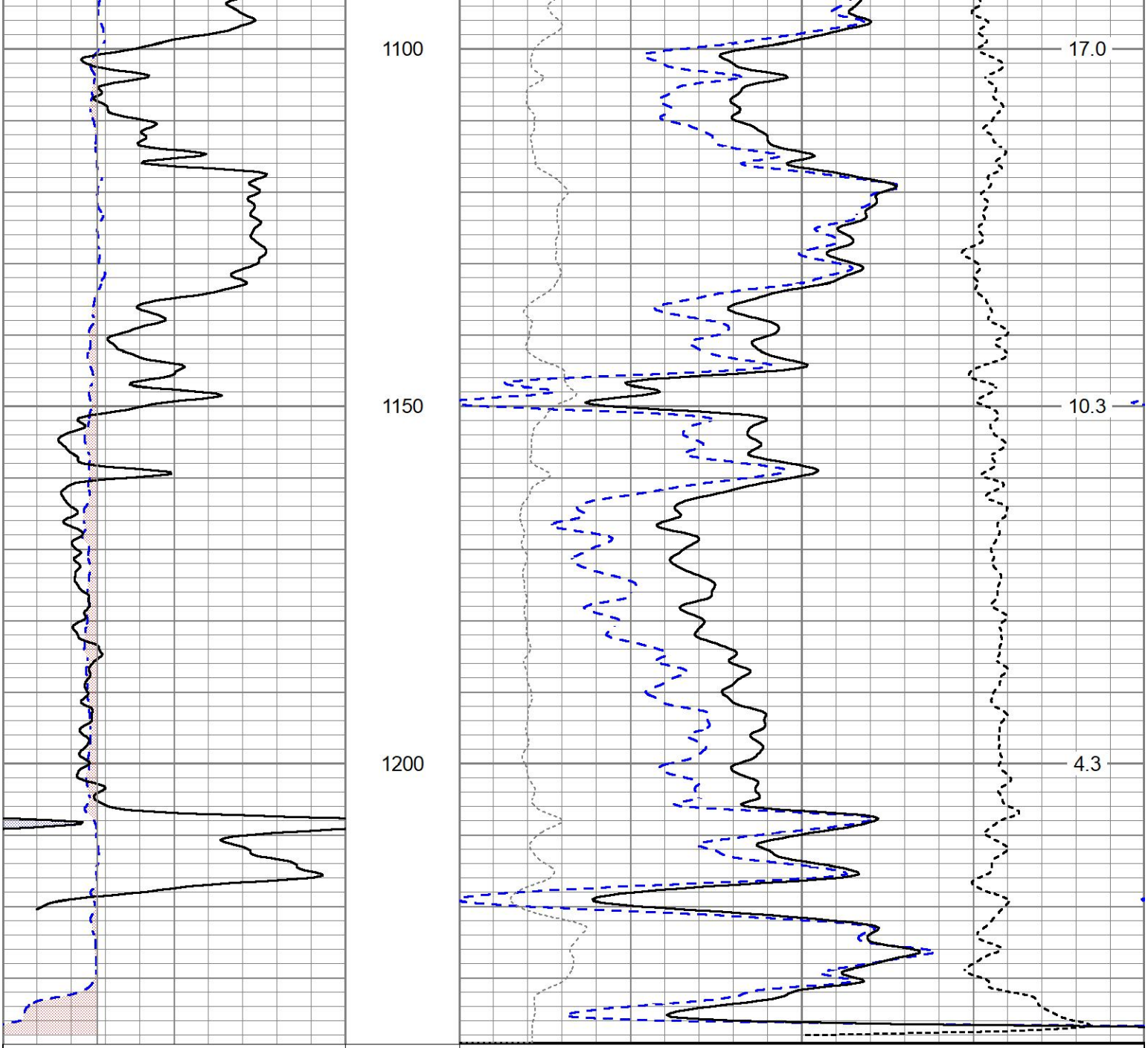

4 Density Caliper (in) 14
0 Gamma Ray (GAPI) 150
4 Bit Size (in) 14
30 Density Porosity (pu) -10
2 Bulk Density (g/cc) 3
0 PE (barn) 10
-0.25 Correction (g/cc) 0.25
ABHV (ft3)
50
100
150
200
182.7
173.6
165.2
156.5


250
300
350
400
148.0
139.4
130.6
122.3


450
500
550
600
650
114.1
106.2
98.6
90.9
83.0


700
750
800
850
75.4
67.8
60.3
53.1


900
950
1000
1050
45.8
38.5
31.3
24.2



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

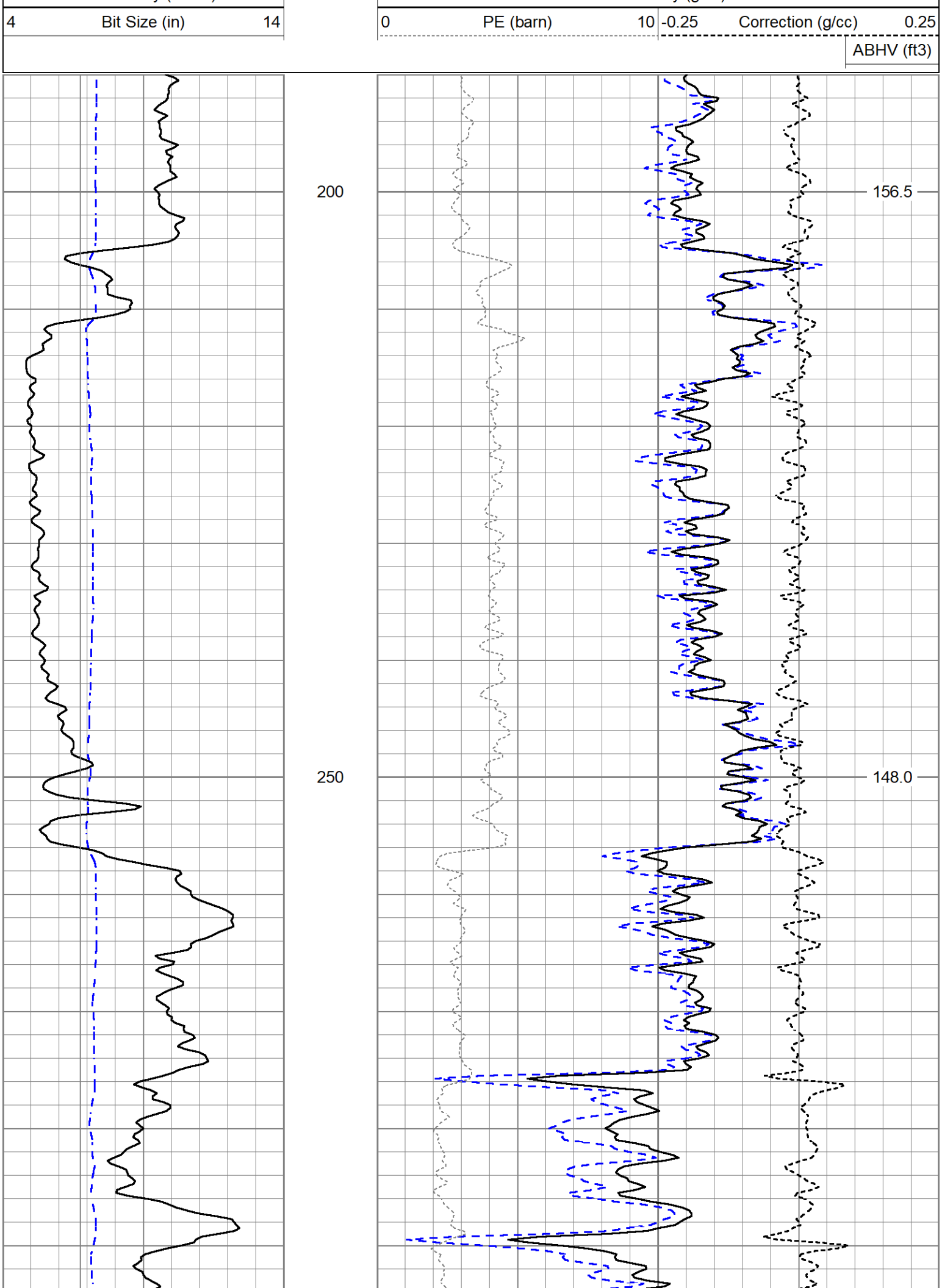
30	Density Porosity (pu)			-10
2	Bulk Density (g/cc)			3
0	PE (barn)	10	-0.25 Correction (g/cc)	0.25
				ABHV (ft3)

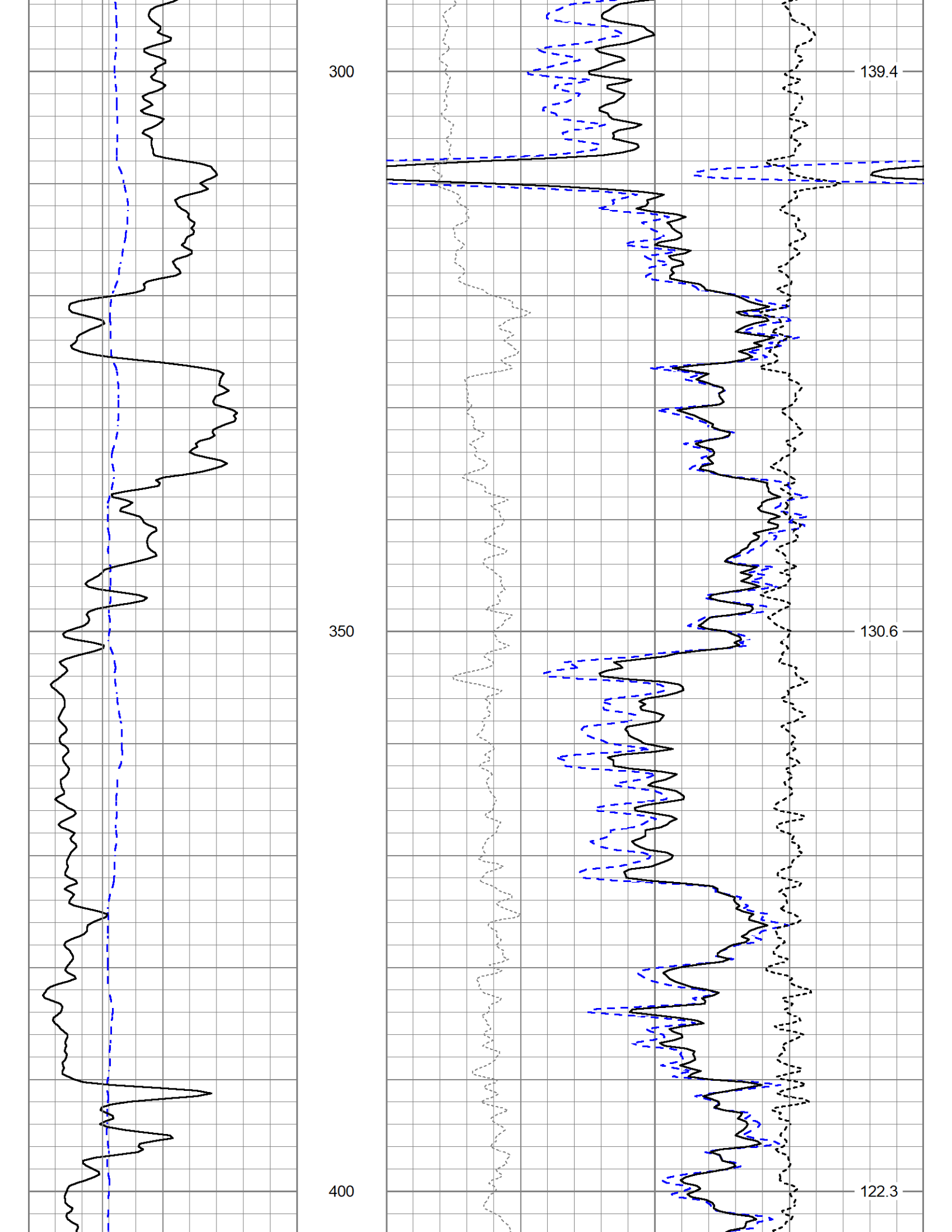
10" HR LITHO DENSITY LOG

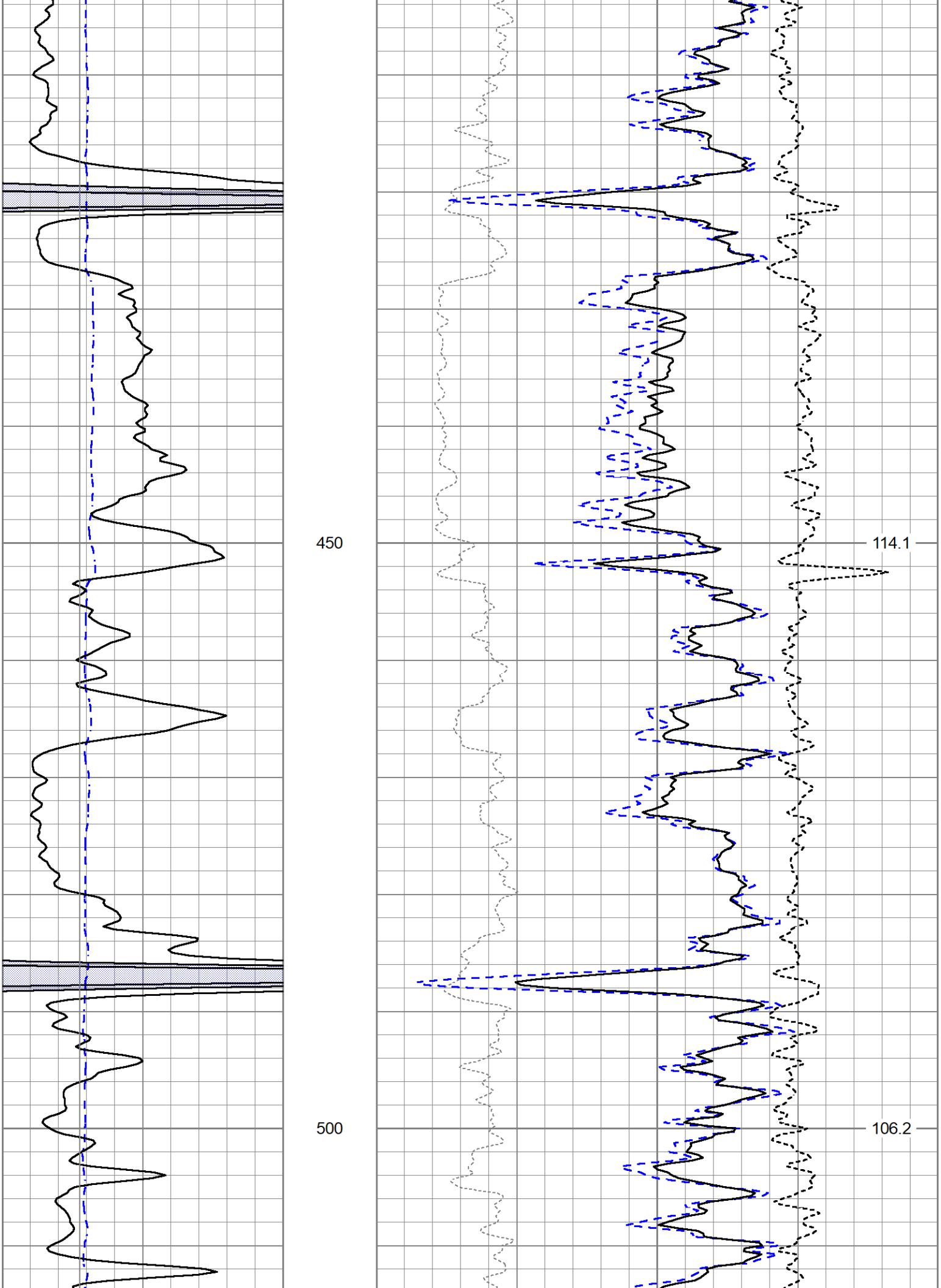
Database File	ow2-9358 cherokee wells dart et al # b4-36.db
Dataset Pathname	CDL/pass2.13
Presentation Format	stcdl-4-14_5
Dataset Creation	Wed Aug 14 10:02:34 2024
Charted by	Depth in Feet scaled 1:120

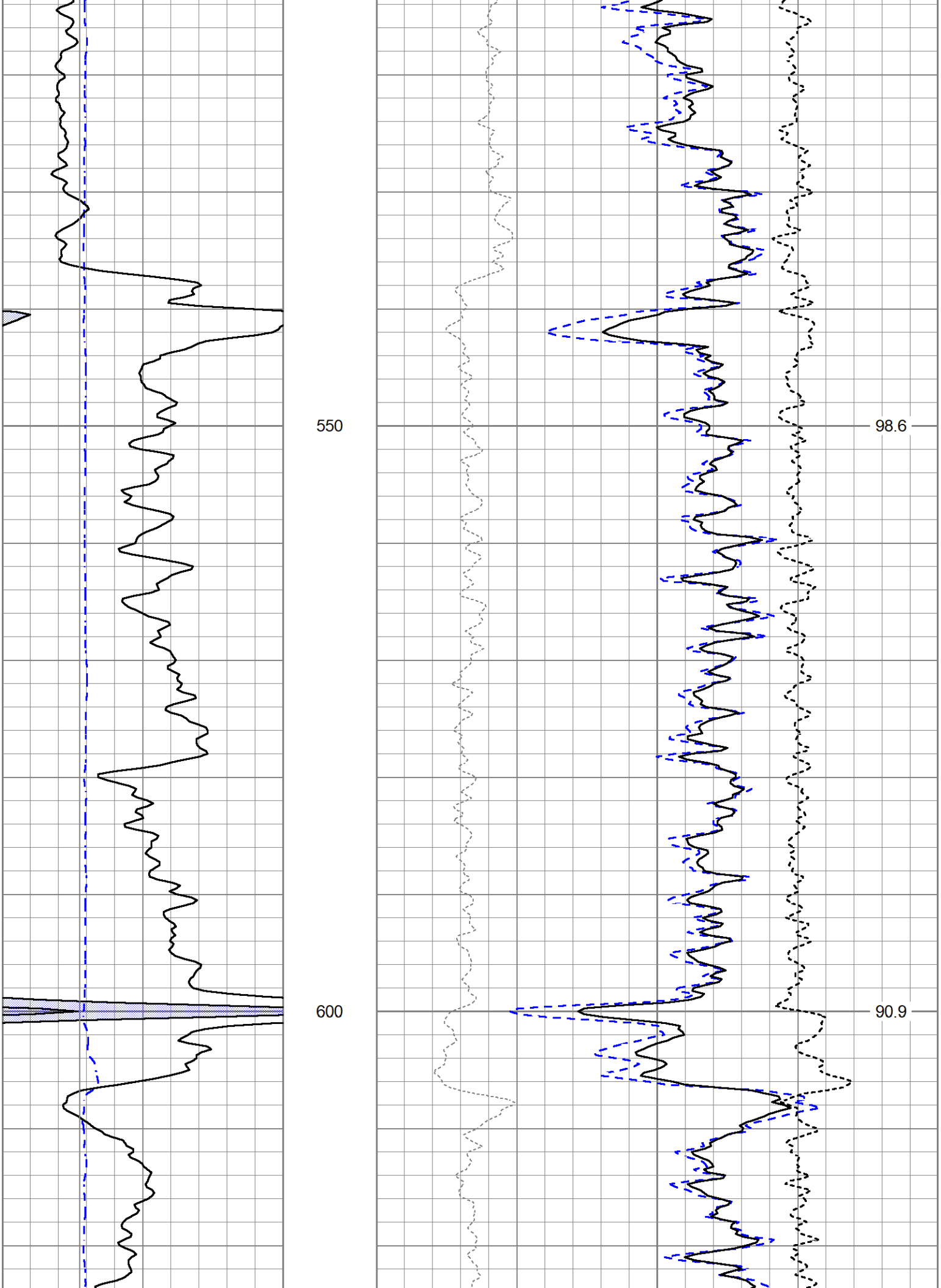
4	Density Caliper (in)	14
0	Gamma Ray (GAPI)	150

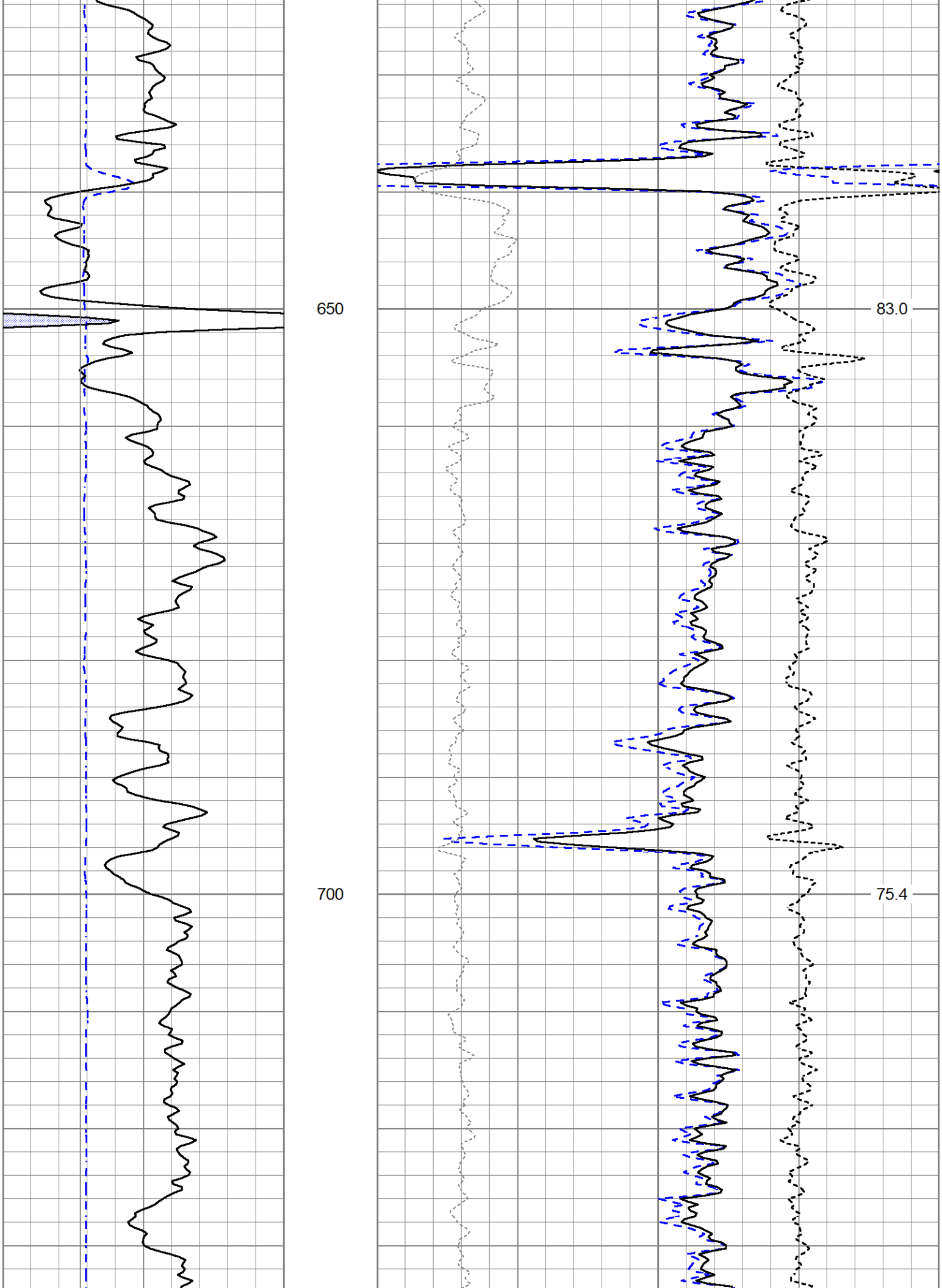
30	Density Porosity (pu)	-10
2	Bulk Density (g/cc)	3

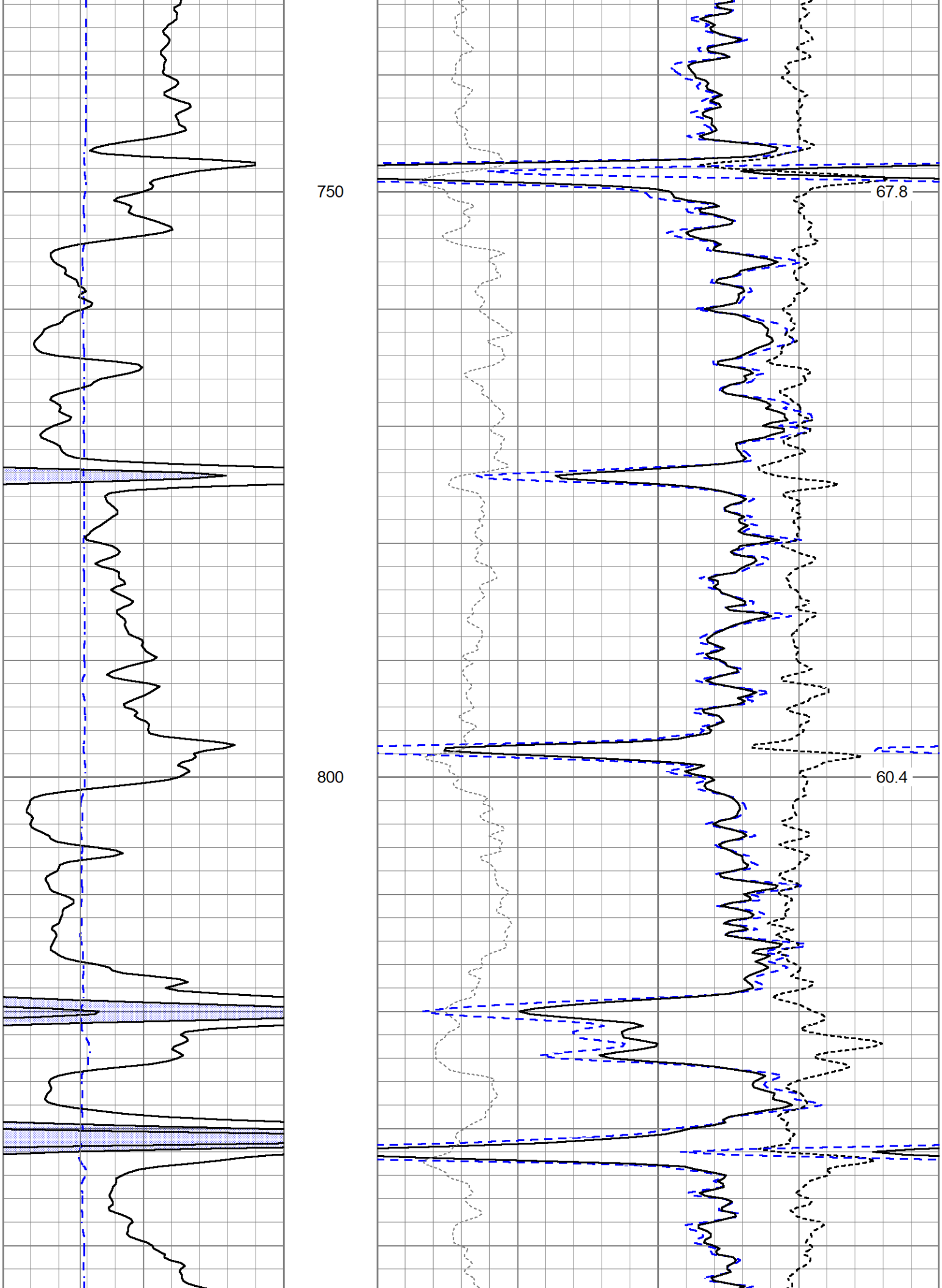

4
Bit Size (in)
14
0
PE (barn)
10
-0.25
Correction (g/cc)
0.25
ABHV (ft3)
200
250
156.5
148.0

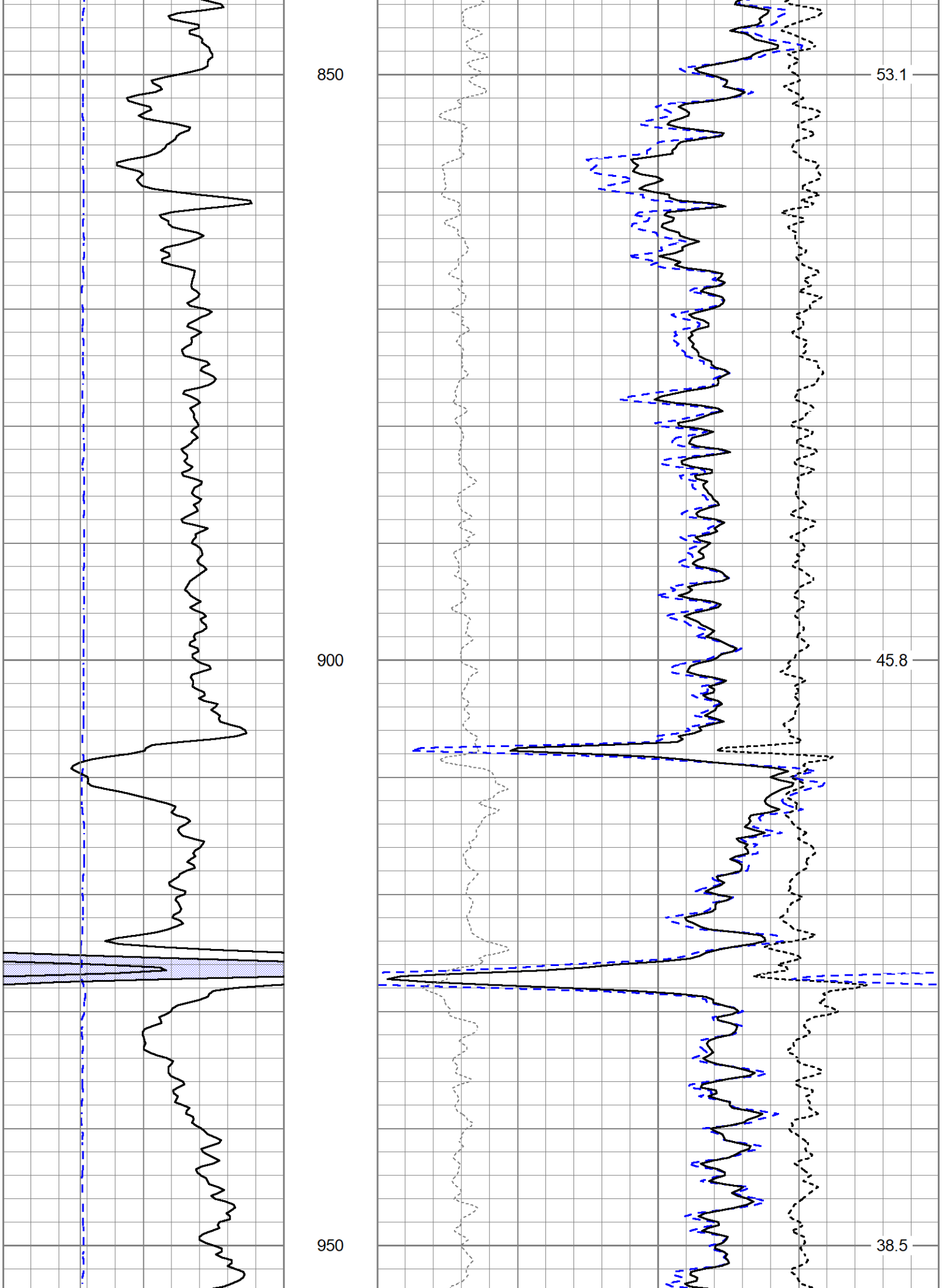

300
350
400
139.4
130.6
122.3

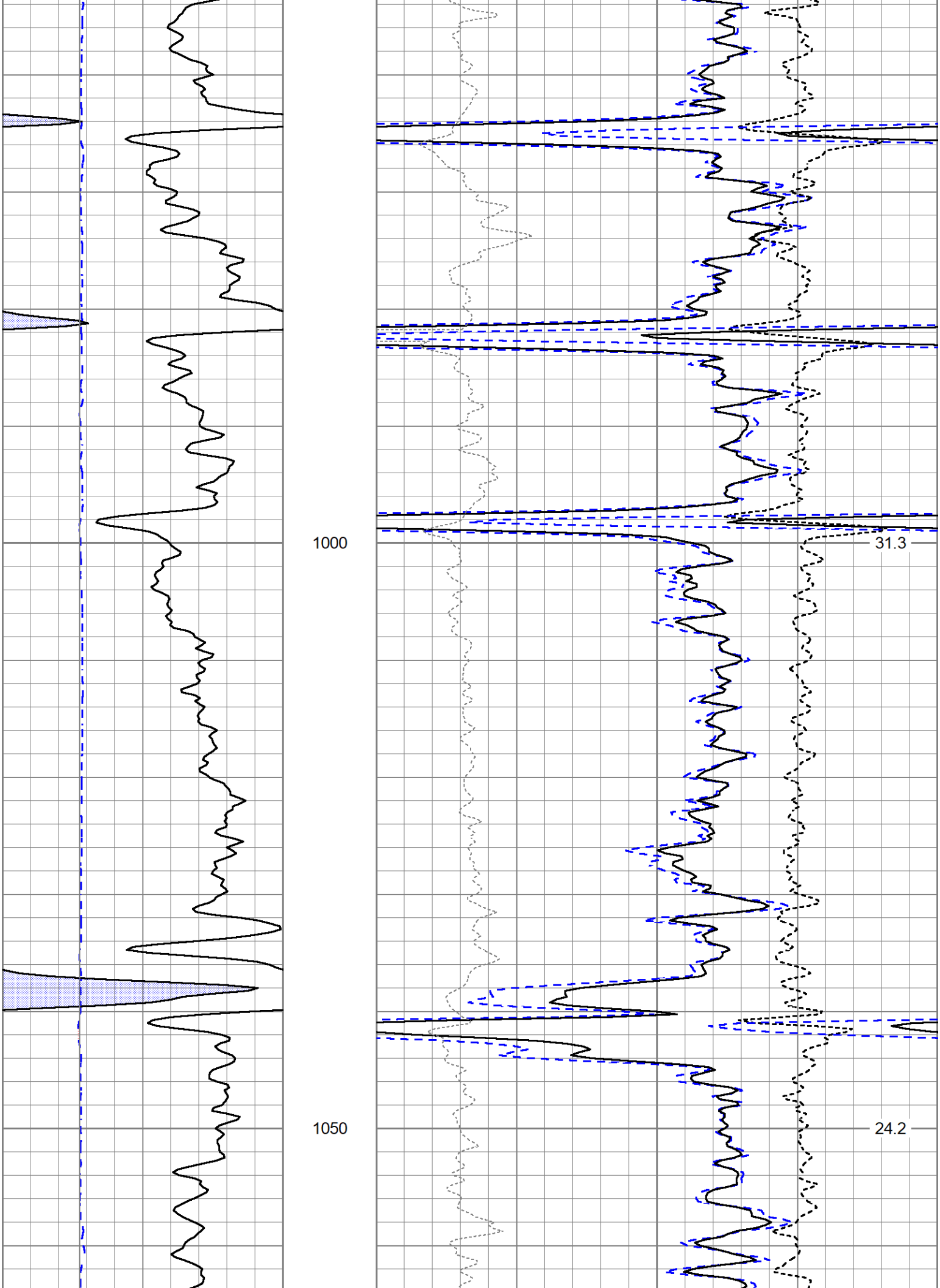

450
500
114.1
106.2

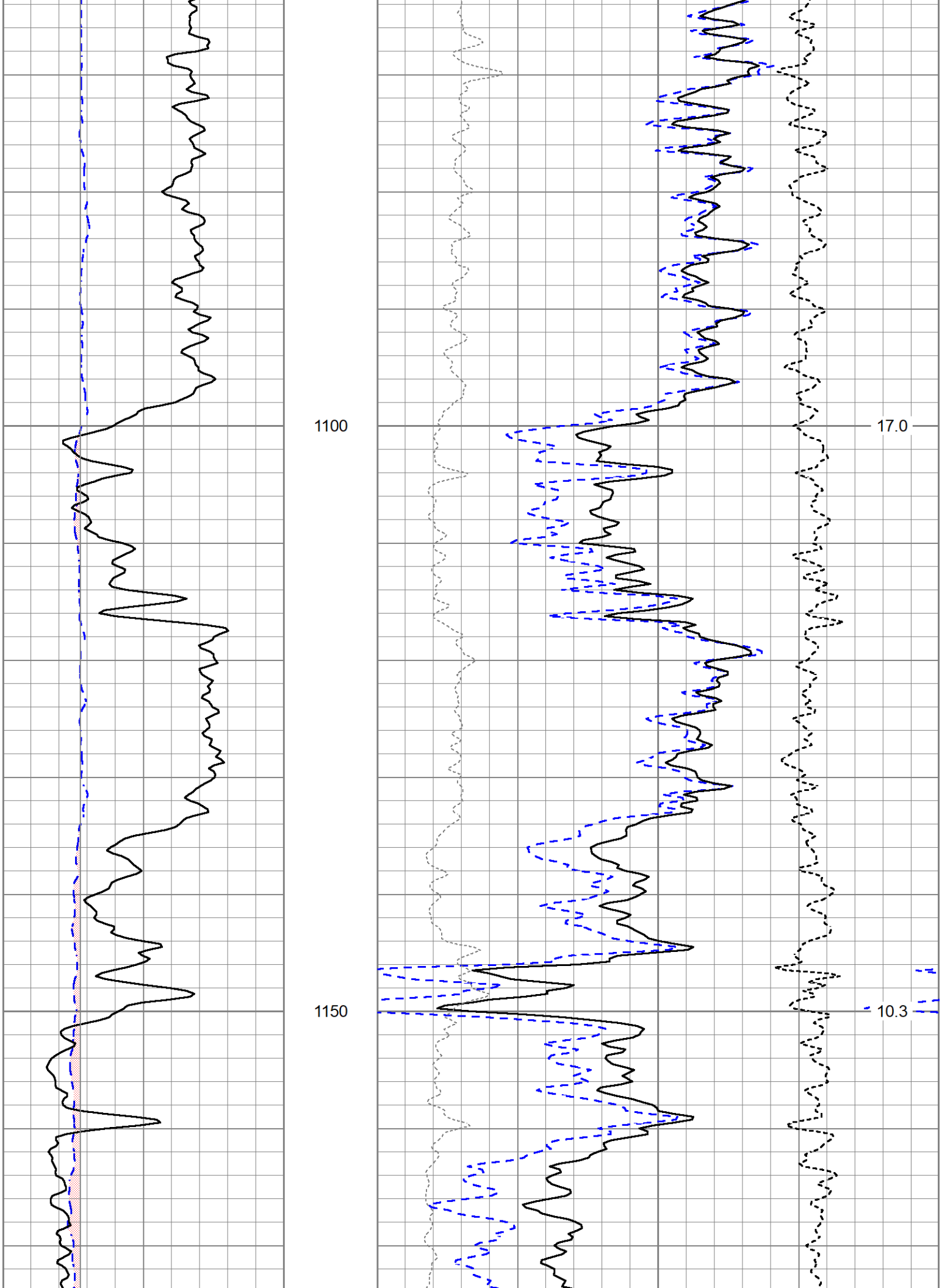

550
600
98.6
90.9

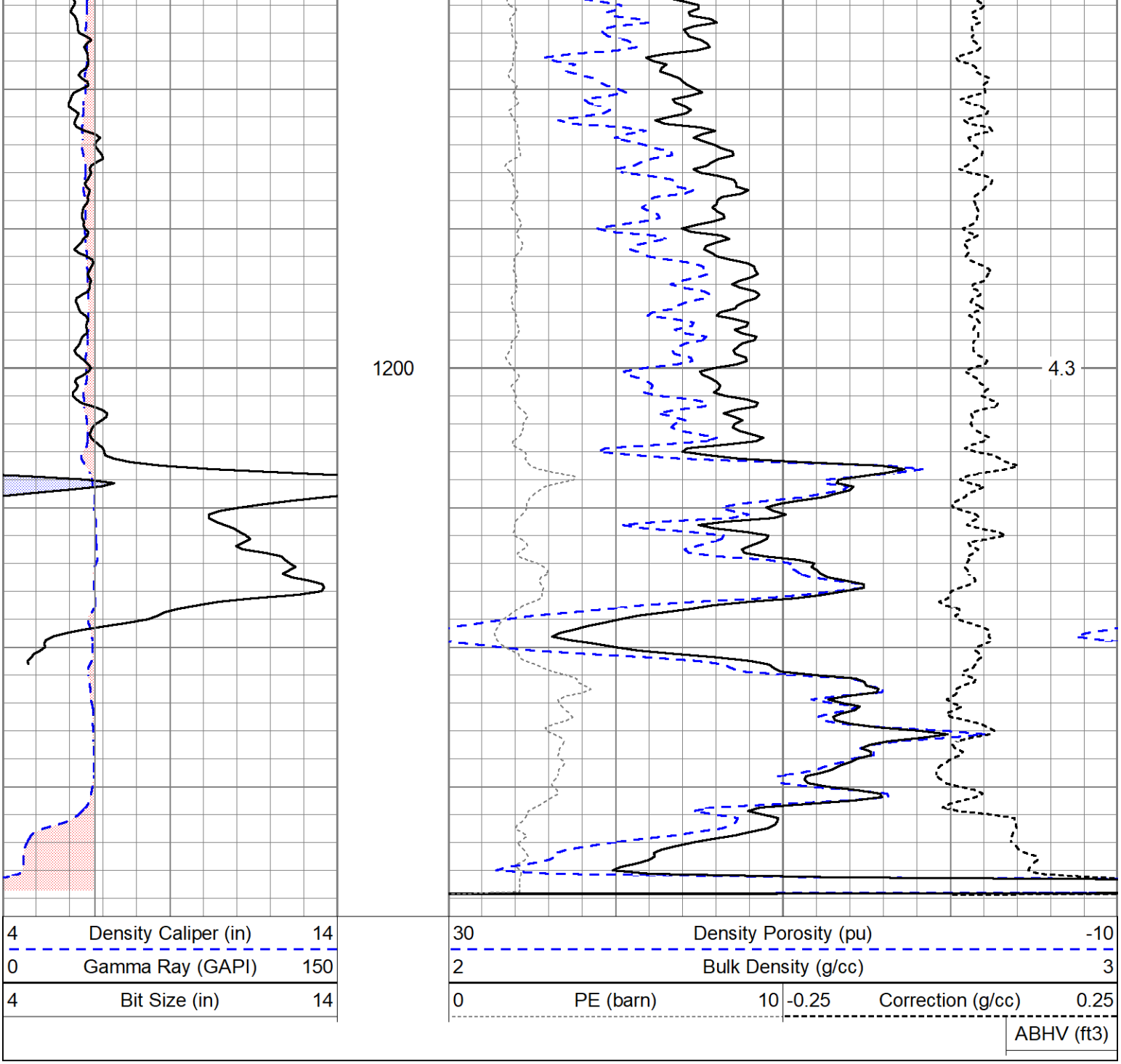

650
700
83.0
75.4


750
800
67.8
60.4


850
900
950
53.1
45.8
38.5


1000
31.3
1050
24.2


1100
17.0
1150
10.3



Calibration Report

Database File	ow2-9358 cherokee wells dart et al # b4-36.db
Dataset Pathname	CDL/pass2.11
Dataset Creation	Wed Aug 14 10:02:10 2024

Admyr Lithodensity Calibration Report

Serial-Model:	1B-B
Source:	LITHO OW2 63566B
Master Calibration Performed:	Tue Jul 30 10:10:13 2024

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.700	g/cc	6578.07	7290.63	cps
Aluminium	2.600	g/cc	1617.08	3773.46	cps
Aluminium+Sleeve	2.616	g/cc	1517.57	3529.30	cps

Spine Angle = 64.86 Density/Spine Ratio = 0.581

	PE		NLITH	NHARD	
Magnesium	2.220	barn	4829.14	4475.45	cps
Aluminium	2.685	barn	1100.86	1232.33	cps
Aluminium+Sleeve	3.400	barn	877.48	1194.98	cps

M = 0.453 B = -0.036 R = 0.999

	Size		Reading	
Small Ring	5.55	in	2.05	V
Large Ring	10.75	in	6.08	V

Neutron Calibration Report

Serial Number:	BLACK 003 NEUTRON DOOR		
Tool Model:	ADDON		
Performed:	Wed Feb 21 19:34:16 2024		
Calibrator Values:	0	28	
Calibrator Readings:	1450	650	cps
Sensitivity:	-0.035	/cps	

Inclinometer Calibration Report

Performed: Thu Nov 30 13:21:45 2023

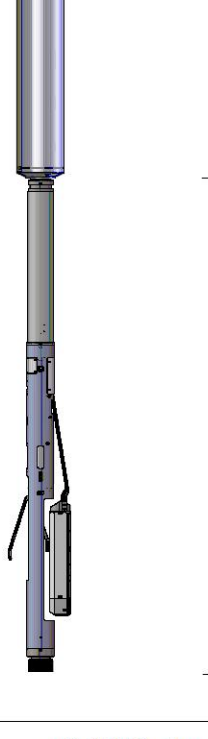
	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	205.00	1843.00	-1.00	1.00	gee
Y Accelerometer	205.00	1843.00	-1.00	1.00	gee
Z Accelerometer					gee

Gamma Ray Calibration Report

Serial Number:	Refurb01	
Tool Model:	OSAGE_01	
Performed:	Thu Nov 30 13:20:49 2023	
Calibrator Value:	150.0	GAPI
Background Reading:	125.0	cps
Calibrator Reading:	875.0	cps
Sensitivity:	0.2000	GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb
ACCY	17.83		ADMYR_TELEMETRY-OSAGE_01 (Refurb01) Admyr Telemetry With Gr, Deviation, ADC board and Pulses Board in it.	3.69	3.25	53.00
ACCX	17.83					
GR	16.65					
FRAMES	15.33					
SSTAT	15.33					
PSTAT	15.33					
ASTAT	15.33					
NEU	11.66					

DCAL	2.79	NEU-ADDON (BLACK 003 NEUTRON DOOR) Inline Neutron	5.65	3.38	84.00
LS_HV	2.63				
LS8	2.63				
LS7	2.63				
LS6	2.63				
LS5	2.63				
NHARD	2.63				
LSD	2.63				
LS2	2.63				
NLITH	2.63				
LSTAT	2.17	ADT1LITH-B (1B)	9.69	4.25	238.00
LSV	2.17				
SS_HV	2.08				
SS8	2.08				
SS7	2.08				
SS6	2.08				
SS5	2.08				
SS4	2.08				
SSD	2.08				
SS2	2.08				
SS1	2.08				
SSV	1.96				



Dataset: ow2-9358 cherokee wells dart et al # b4-36.db: field/well/CDL/pass2.11
Total length: 19.02 ft
Total weight: 375.00 lb
O.D.: 4.25 in