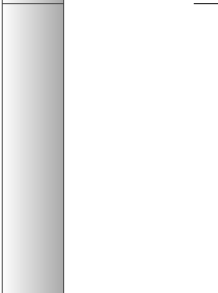
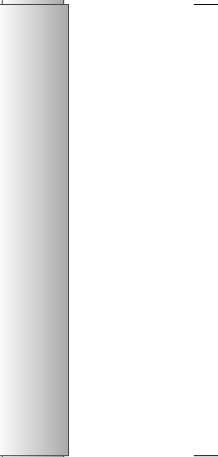
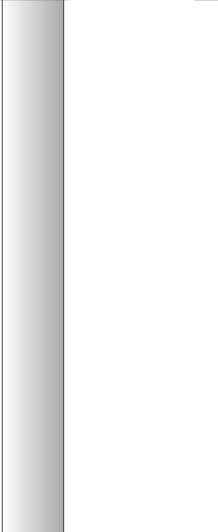


Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in 7.875	degF 100	in 5.5	in 0	g/cc 1	2	g/cc 2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	0	mmho/m 4	mmho/m 4	mV -160	degF 56	Off	ft 4201

Sensor	Offset (ft)	Schematic		Description	Length (ft)	O.D. (in)	Weight (lb)
GR	33.00			GR-M&W (89-M&W)	3.00	3.50	50.00
CNLSC	29.90			CNT-M&W (tk10-MW)	5.50	3.50	100.00
CNSSC	29.15						
LSD DCAL SSD	20.85			CDL-M&W (168-986)	8.50	4.00	250.00
	20.83						
	20.35						
RLL3 RLL3F	15.80 15.79			DIL-M&W (PSI 978)	18.50	3.50	220.00
CILD	8.00						

CILM 4.70

SP 0.20

Dataset: r&b_goetz_a_1.db: field/well/stack/pass3.1
Total length: 35.50 ft
Total weight: 620.00 lb
O.D.: 4.00 in

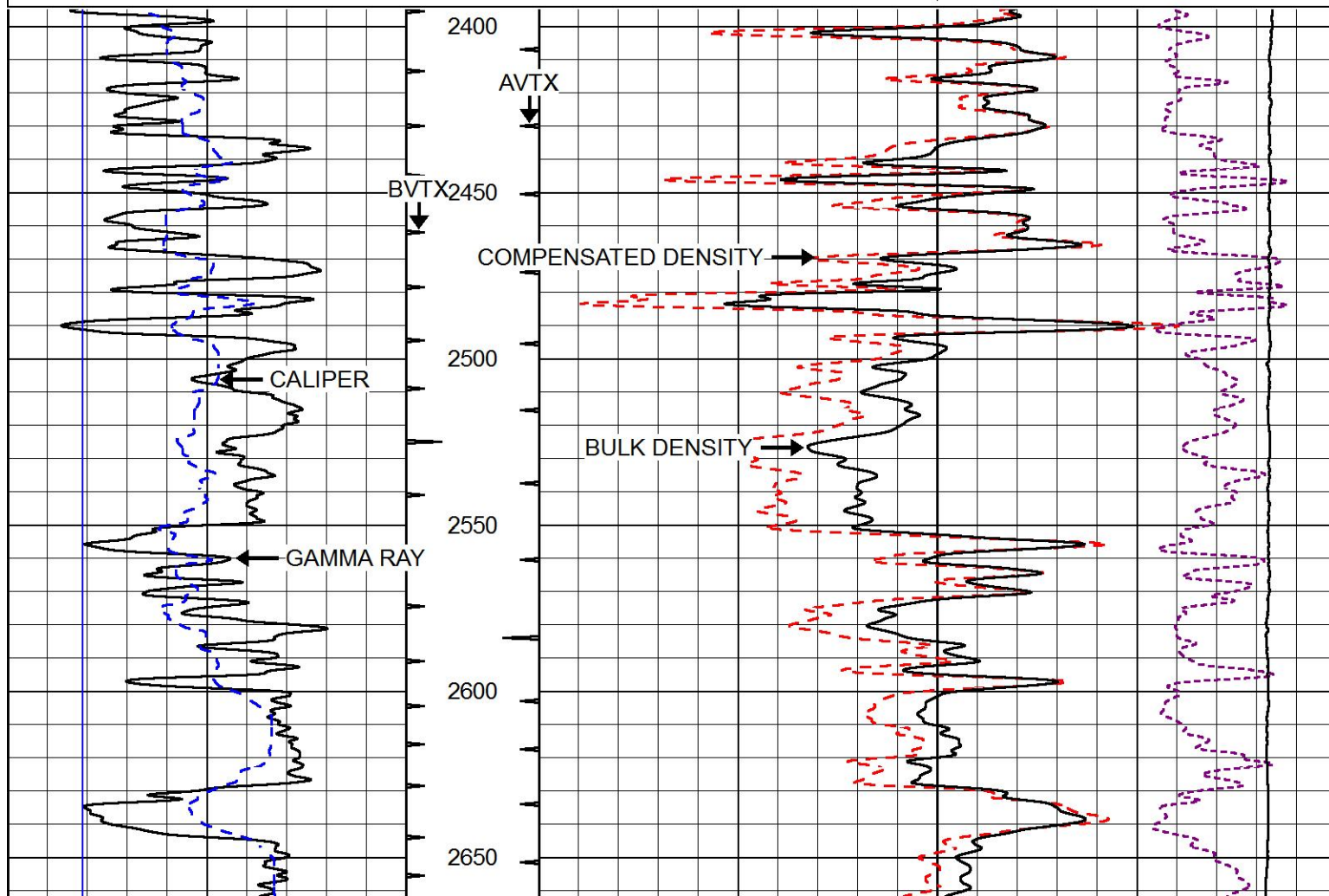


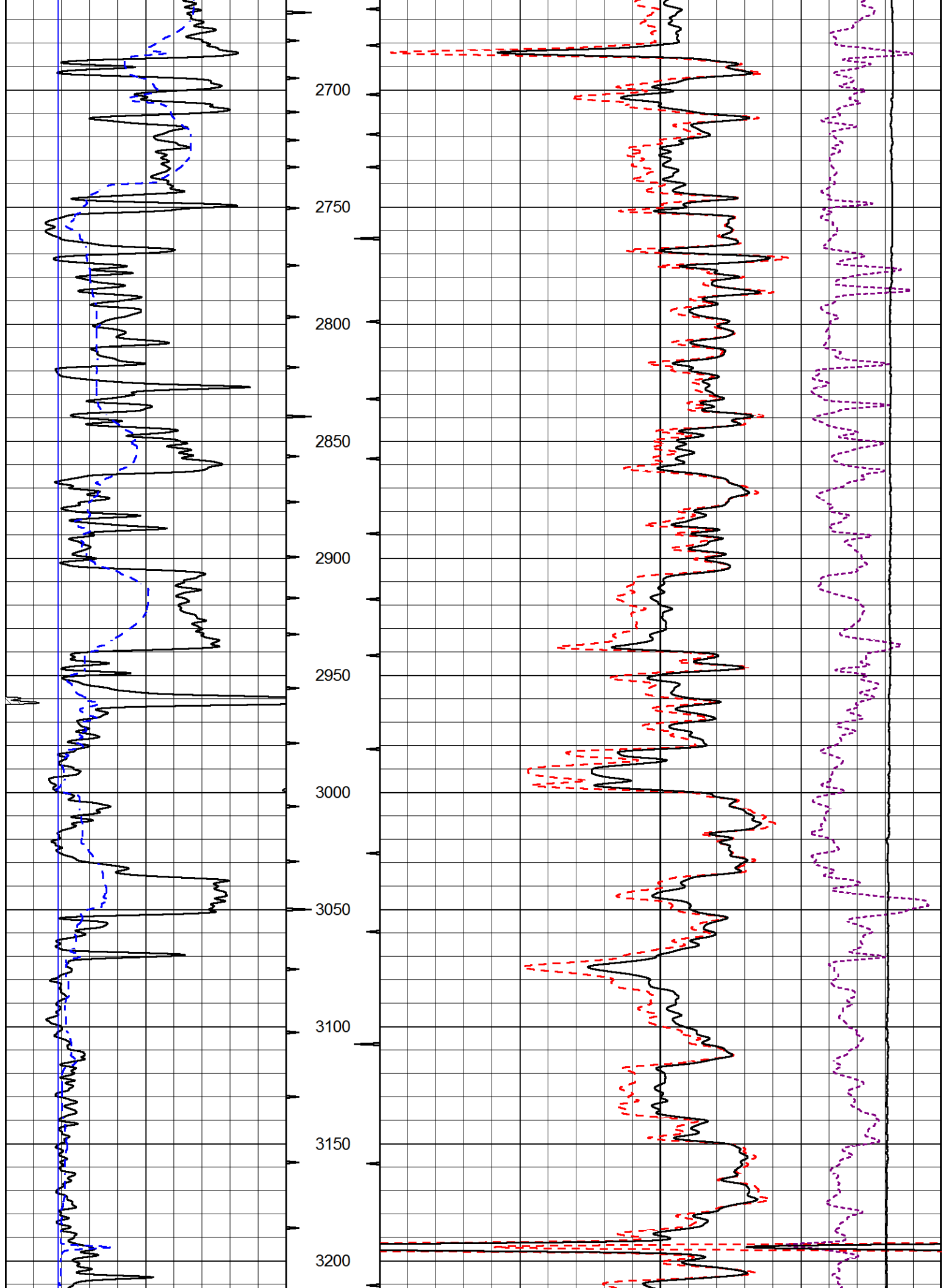
MAIN SECTION

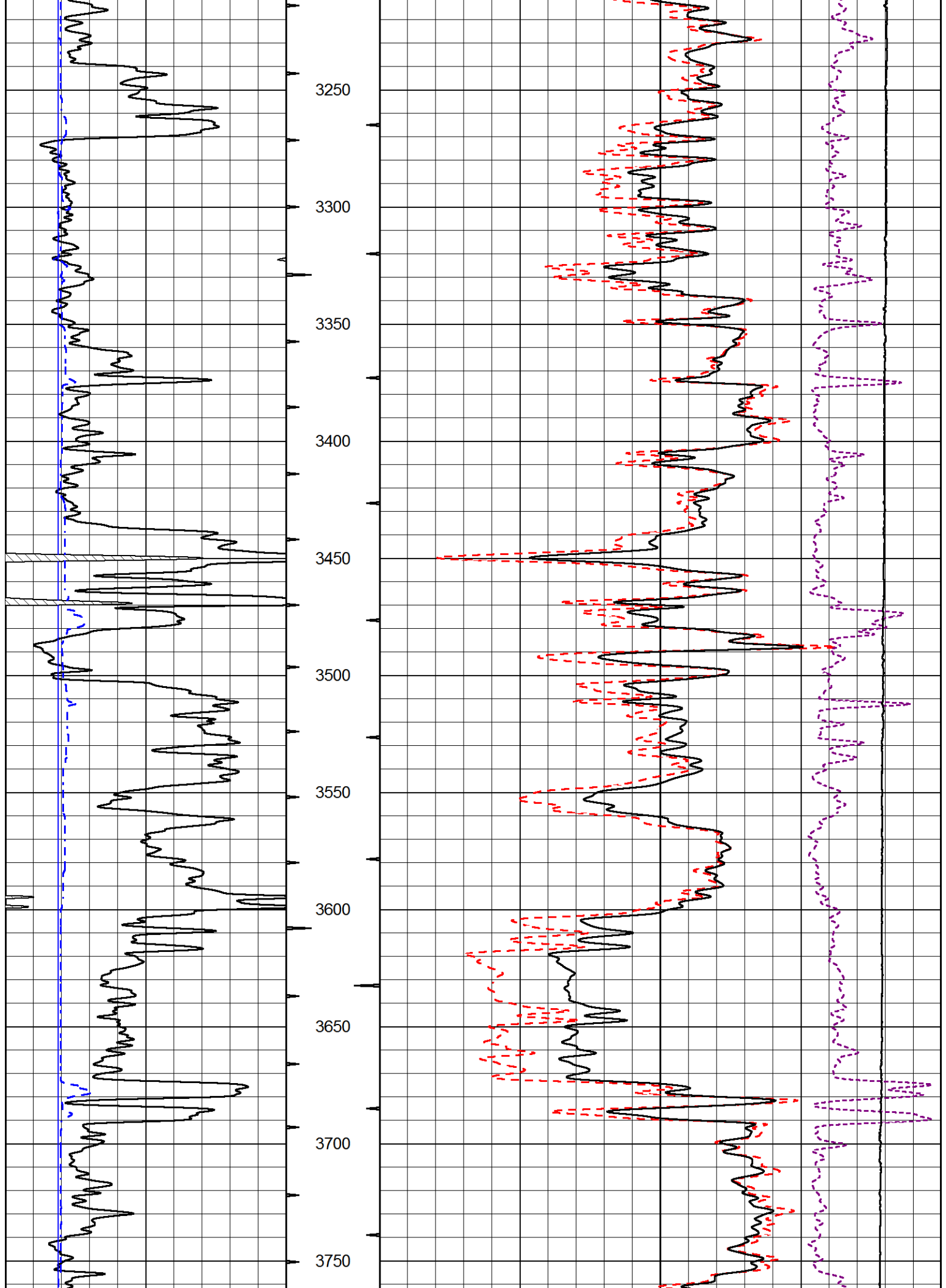
Database File r&b_goetz_a_1.db
Dataset Pathname stack/pass3.1
Presentation Format cdl
Dataset Creation Wed Apr 25 09:17:17 2018
Charted by Depth in Feet scaled 1:600

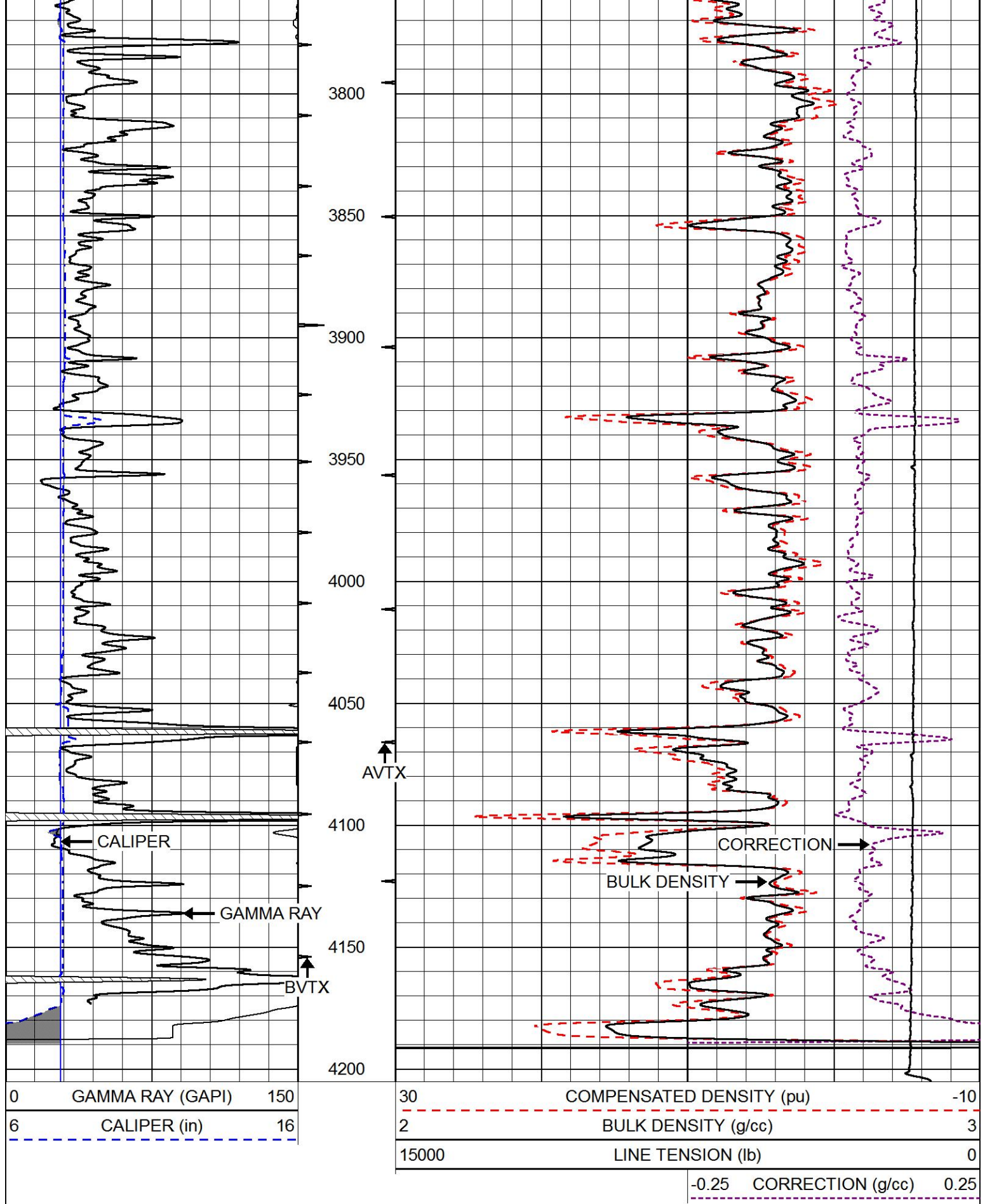
0	GAMMA RAY (GAPI)	150
6	CALIPER (in)	16

30	COMPENSATED DENSITY (pu)	-10
2	BULK DENSITY (g/cc)	3
15000	LINE TENSION (lb)	0
-0.25	CORRECTION (g/cc)	0.25







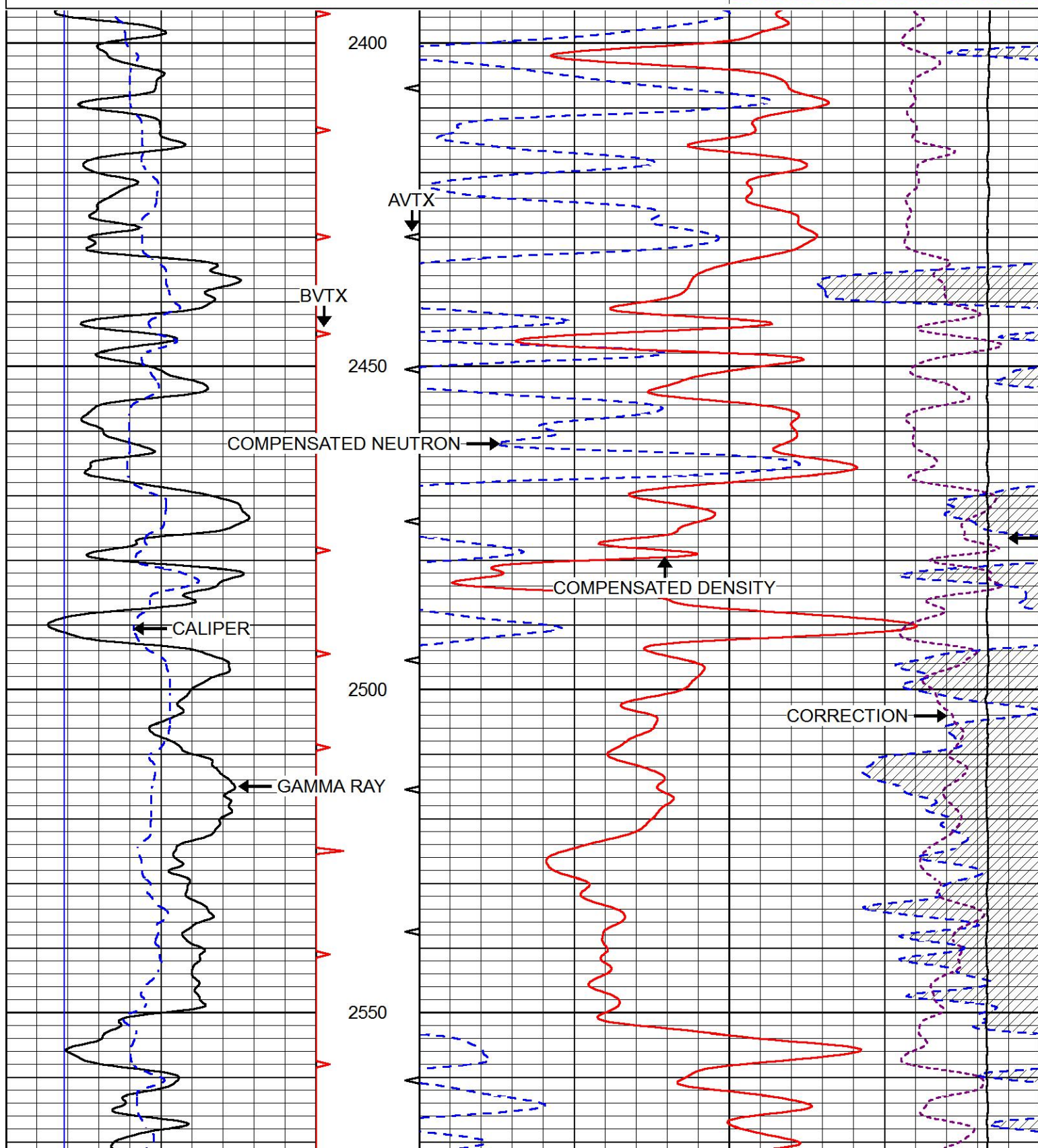


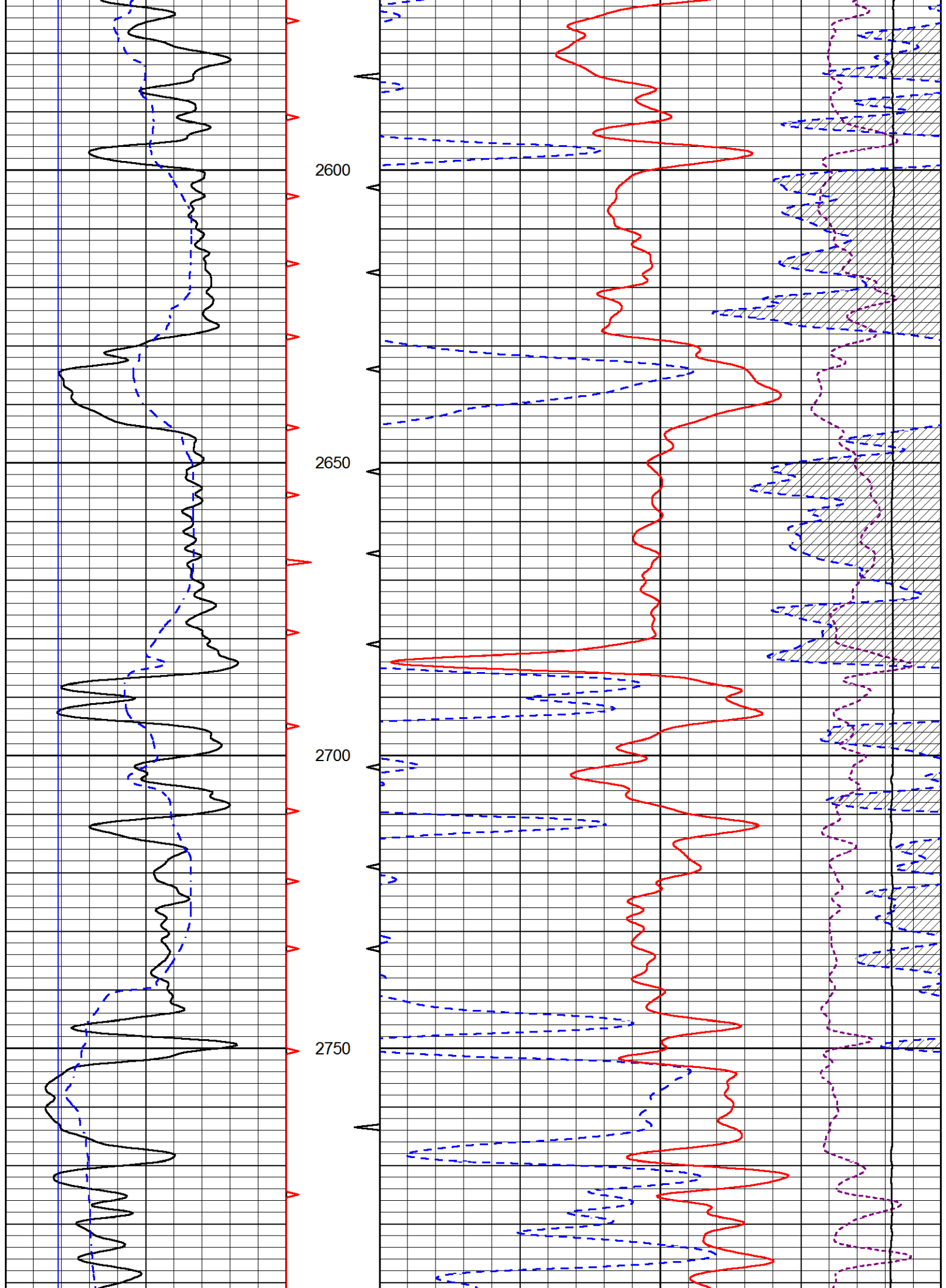
Database File r&b_goetz_a_1.db
Dataset Pathname stack/pass3.1
Presentation Format cndlspec
Dataset Creation Wed Apr 25 09:17:17 2018
Charted by Depth in Feet scaled 1:240

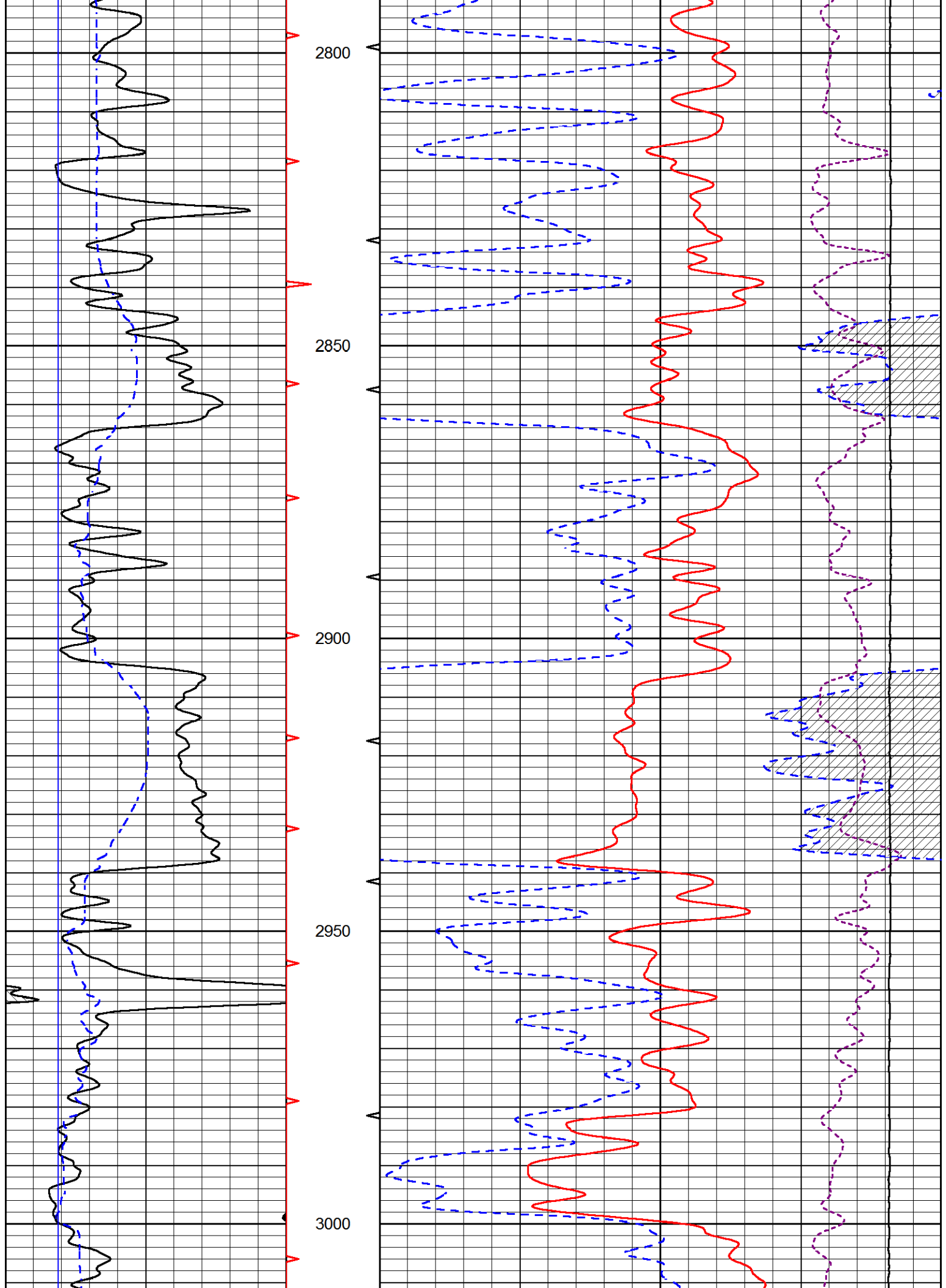
0	GAMMA RAY (GAPI)	150
6	dcal (in)	16
6	BIT SIZE (in)	16

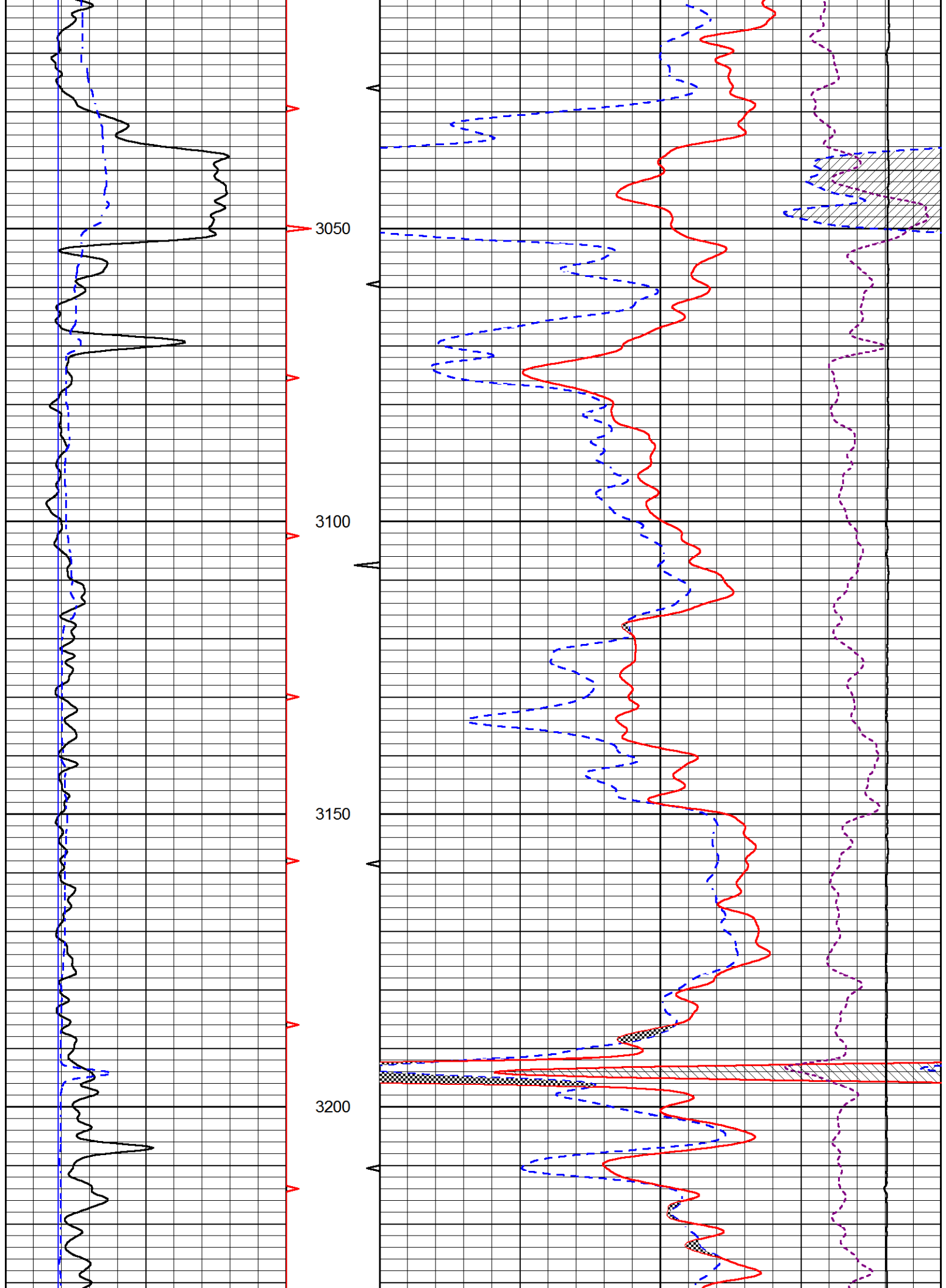
30	CNLS (pu)	-10
30	COMPENSATED DENSITY (2.71 ma) (pu)	-10
15000	LINE TENSION (lb)	0

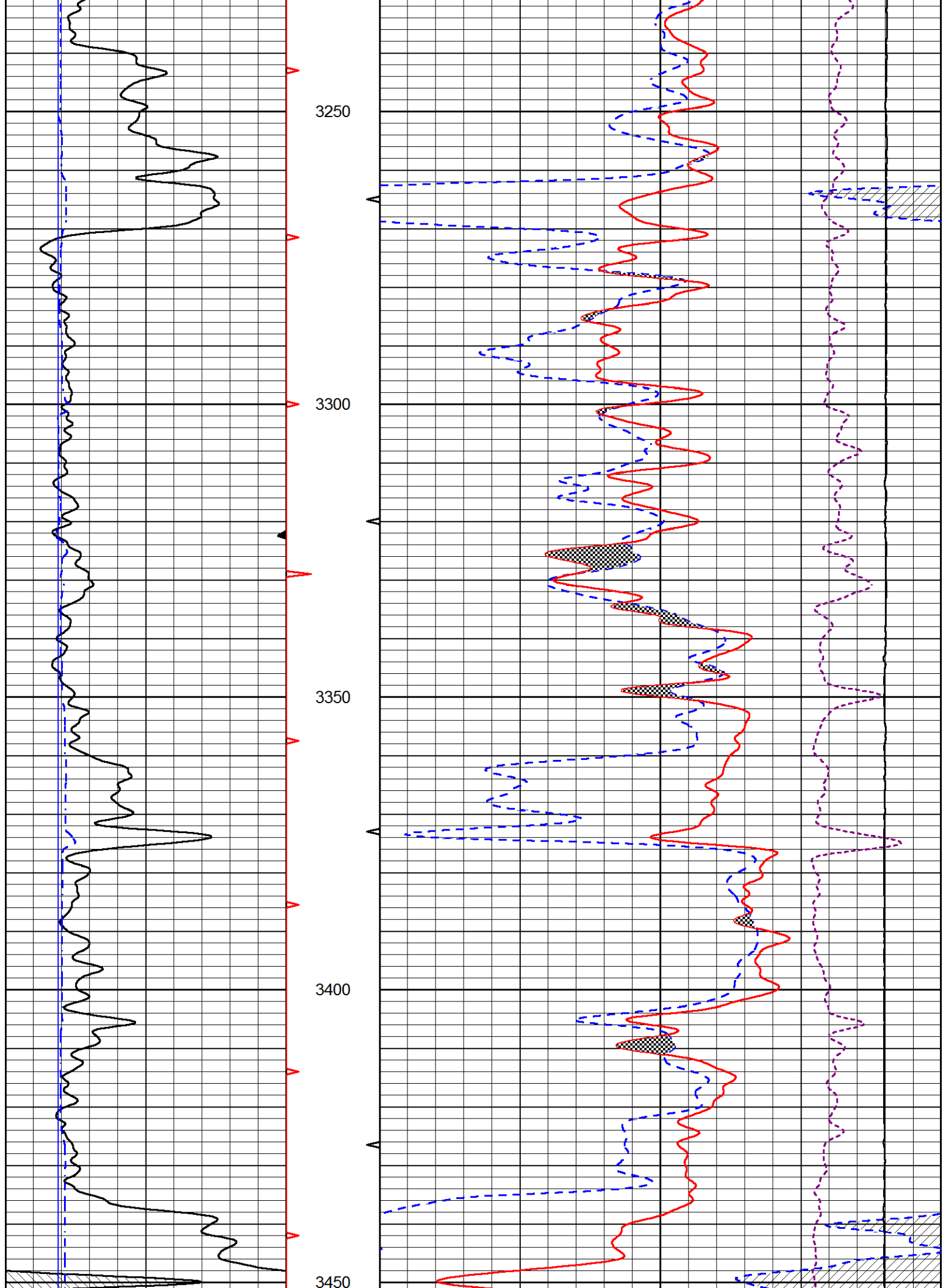
-0.25 CORRECTION (g/cc) 0.25

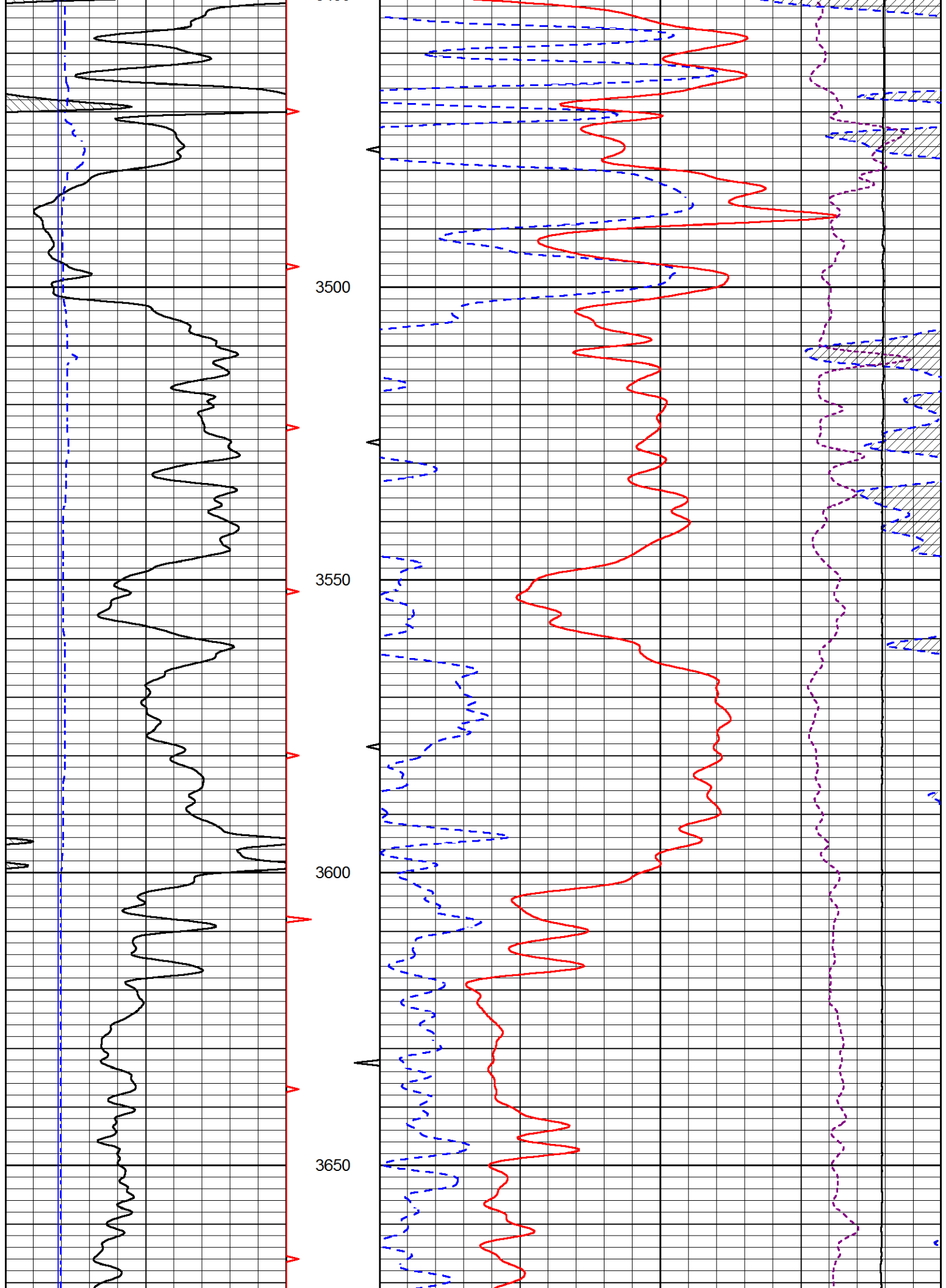


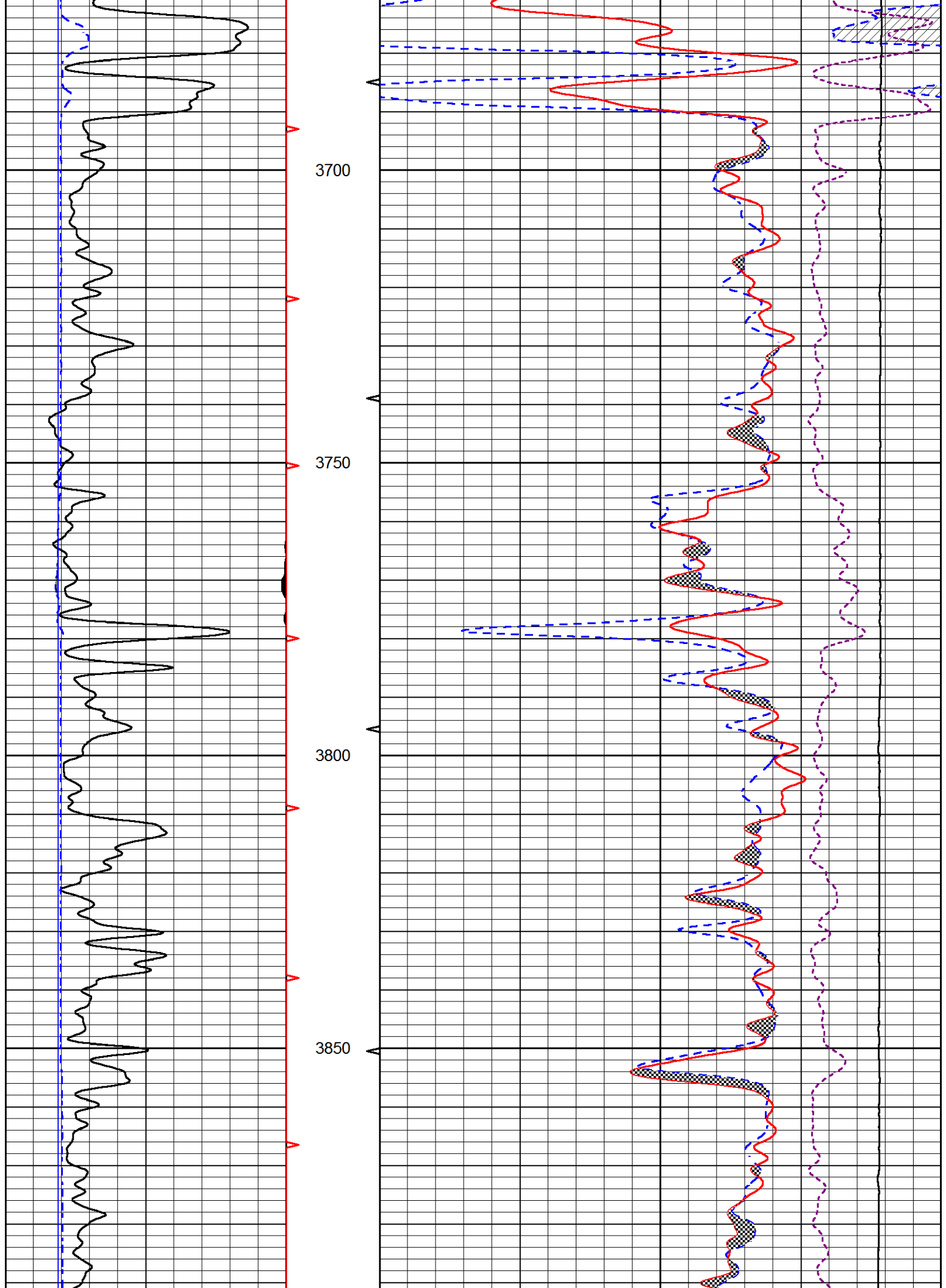


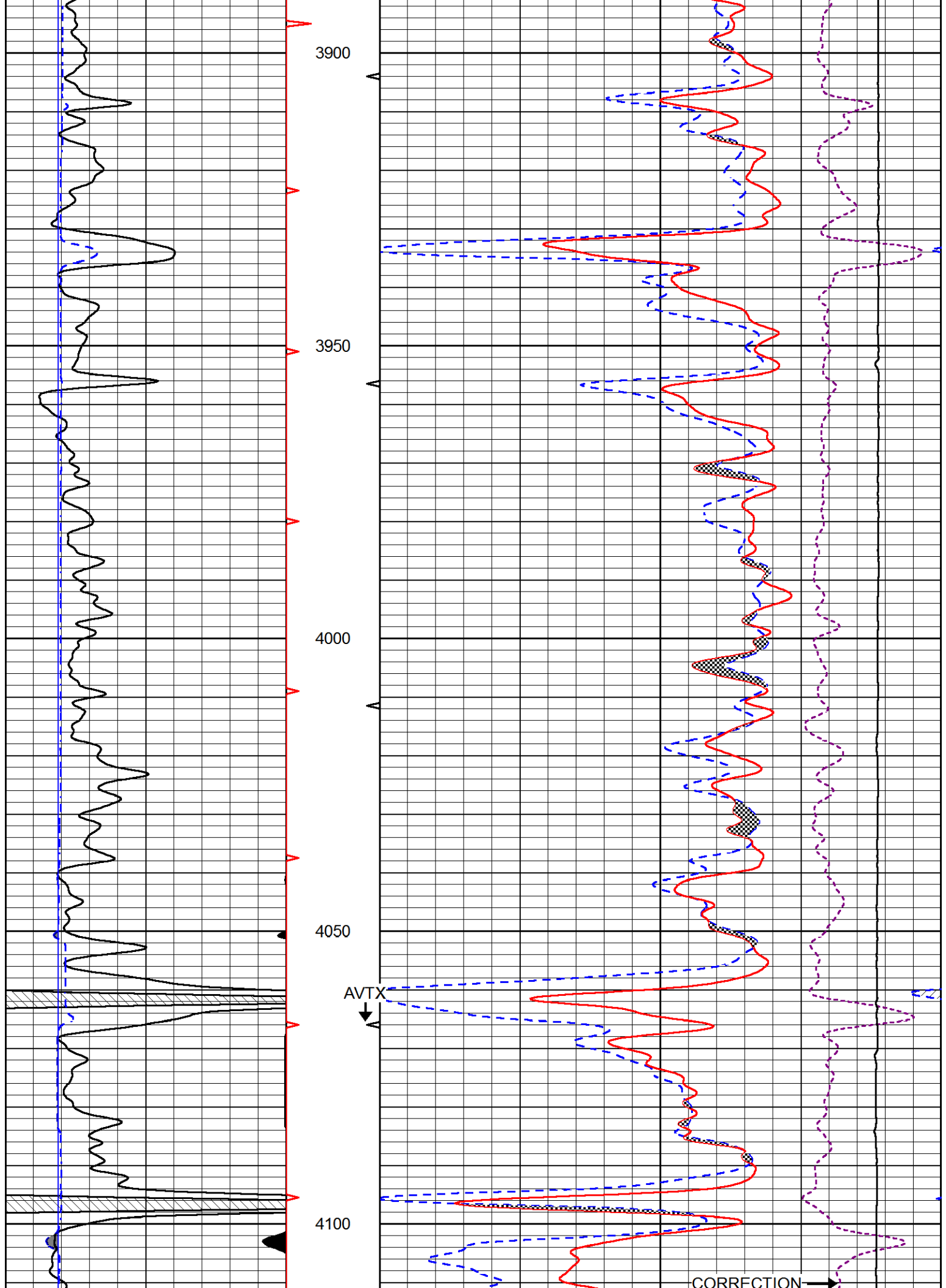


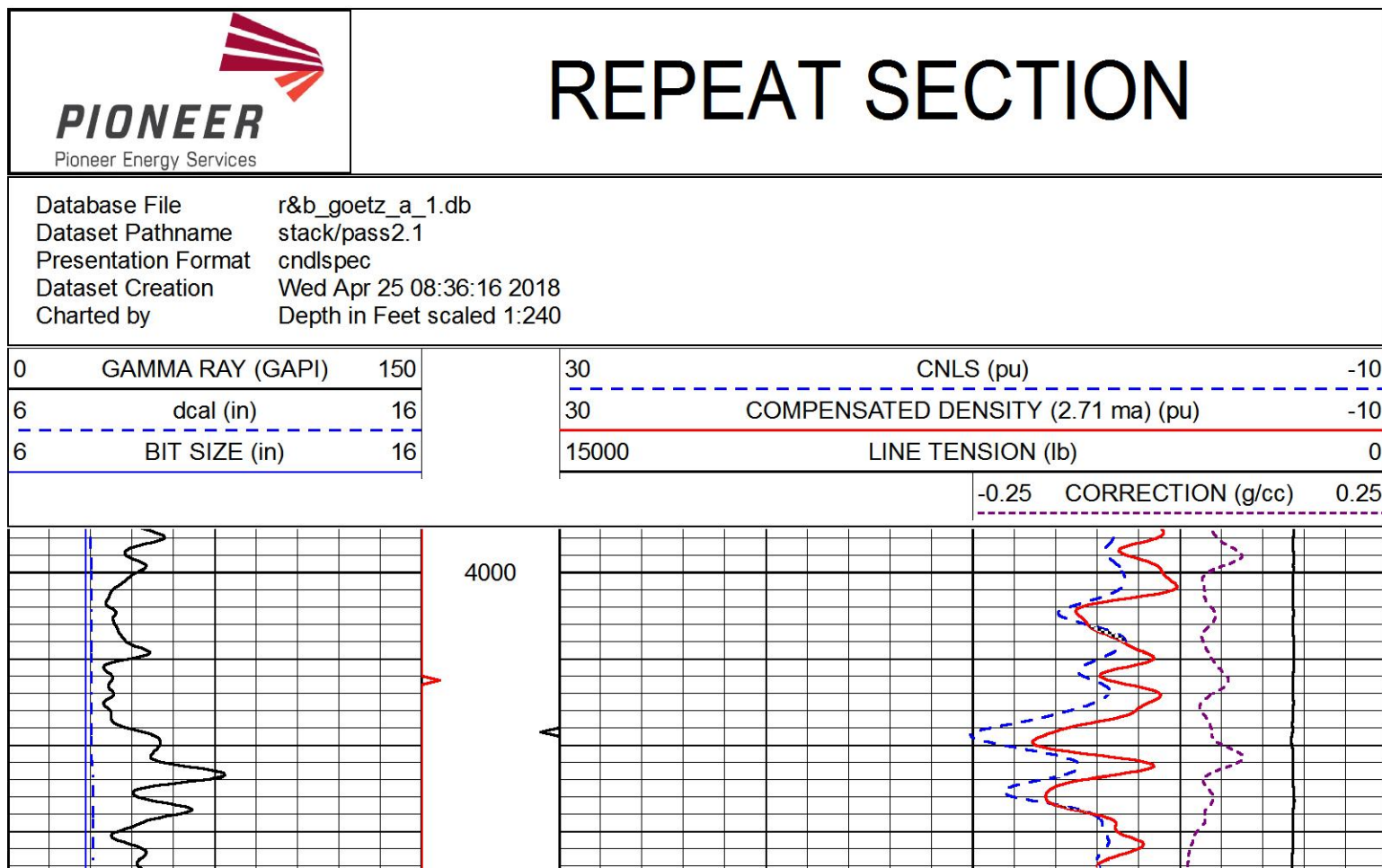
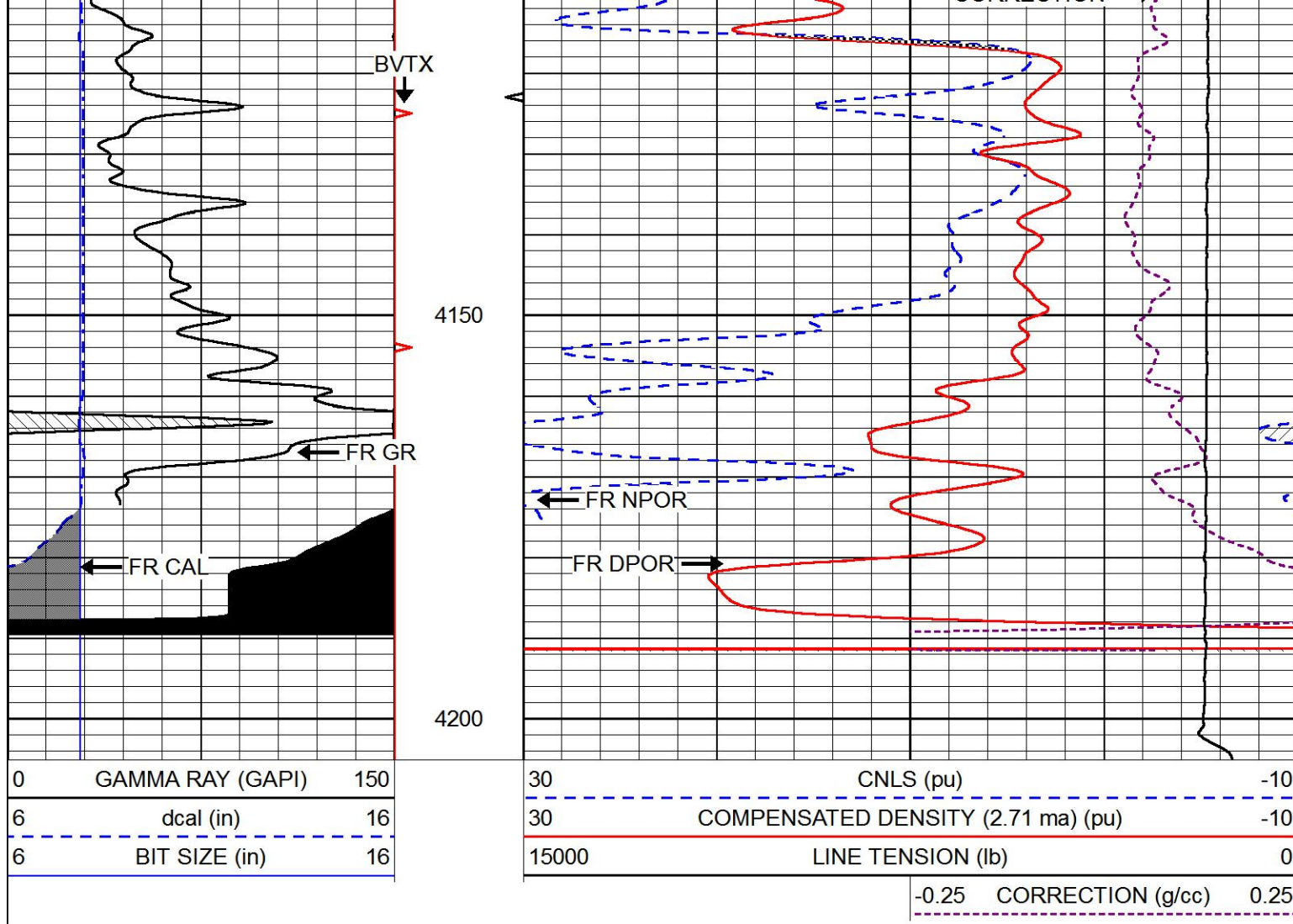


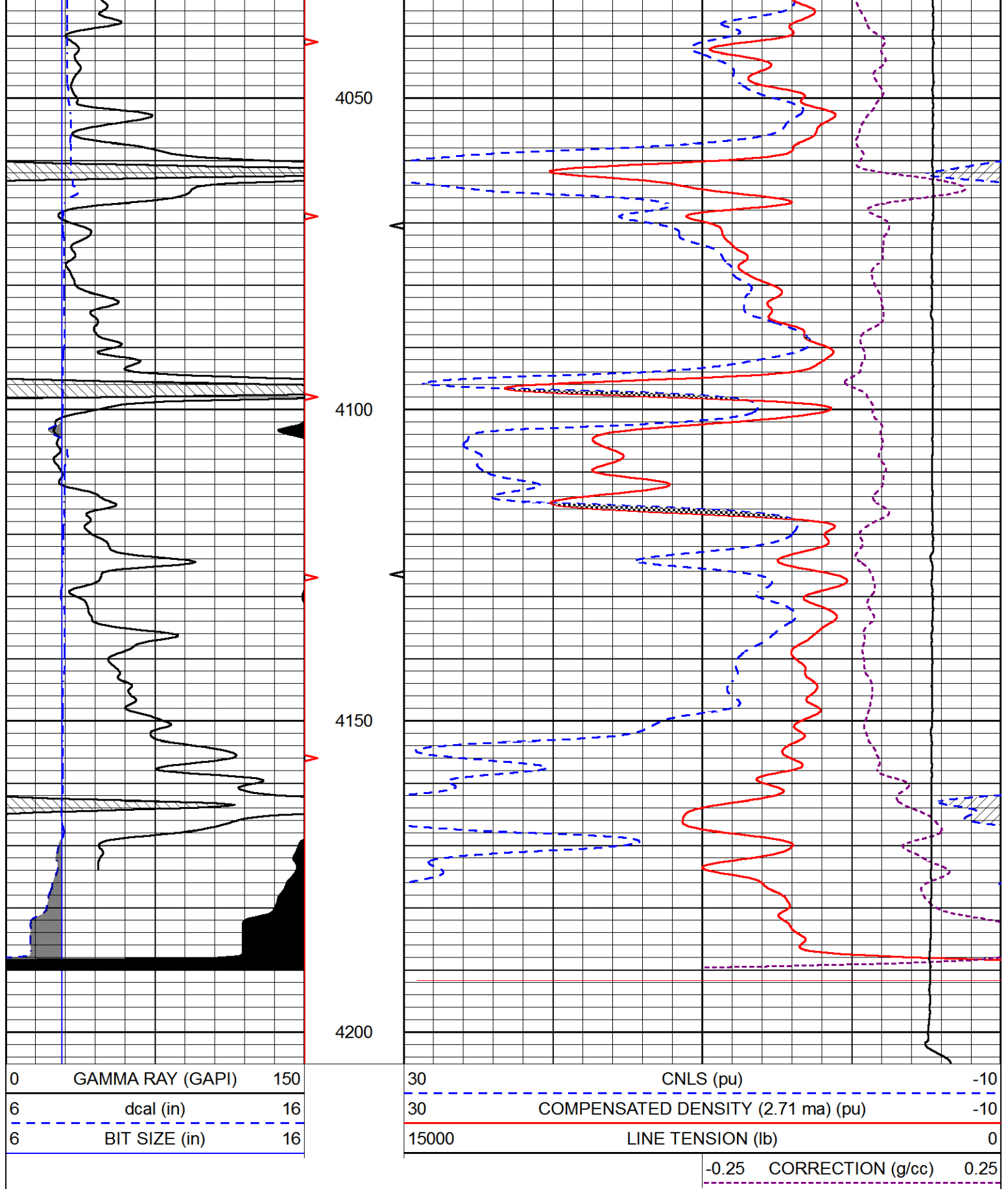












Calibration Report

Database File r&b_goetz_a_1.db
Dataset Pathname stack/pass3.1
Dataset Creation Wed Apr 25 09:17:17 2018

Dual Induction Calibration Report

Serial-Model:
Calibration Performed:

PSI 978-M&W
Sun Feb 04 11:50:02 2018

		Readings		References			Results	
Loop:	Air	Loop		Air	Loop		Gain	Offset
Deep	178.615	710.235		0.000	255.800	mmho/m	0.570	-40.500
Medium	161.982	1441.110		0.000	255.800	mmho/m	0.400	-37.000

Compensated Density Calibration Report

Serial-Model: 168-986-M&W
Source / Verifier: /
Master Calibration Performed: Tue Apr 11 17:07:47 2017

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.755	g/cc	4691.86	4818.19	cps
Aluminum	2.675	g/cc	859.57	3020.22	cps
Spine Angle = 74.61			Density/Spine Ratio = 0.523		
	Size		Reading		
Small Ring	4.00	in	1.00		
Large Ring	14.00	in	1.20		

Compensated Neutron Calibration Report

Serial Number: tk10-MW
Tool Model: M&W
Calibration Performed: Wed Nov 16 11:21:36 2016

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: 89-M&W
Tool Model: M&W
Calibration Performed: Tue Apr 11 17:08:01 2017

Calibrator Value: 1000.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 6.2 cps

Sensitivity: 0.5200 GAPI/cps



PIONEER

Company R & B OIL & GAS, INC.
Well GOETZ A #1
Field SIVEY-GRABS
County KINGMAN

PIONEER
Pioneer Energy Services

State

KANSAS