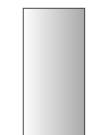
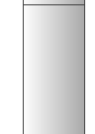
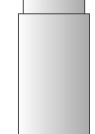
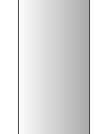
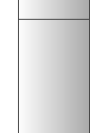
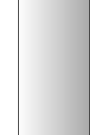


DatabaseC:\ProgramData\Warrior\Data\larson_paris_2_7.db
Dataset field/well/stack/pass3.1/_vars_

Top - Bottom

A	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	FLUIDDEN g/cc	M	MATRXDEN g/cc
1	7.875	123	4.5	0	1	2	2.71
NPORSEL	PERFS	SNDERR mmho/m	SNDERRM mmho/m	SPSHIFT mV	SRFTEMP degF	SZCOR	TDEPTH ft
Limestone	0	0	0	-200	78	Off	4673

Sensor	Offset (ft)	Schematic		Description	Length (ft)	O.D. (in)	Weight (lb)
GR	40.58			GR-M&W (89-M&W)	3.00	3.50	50.00
CNLSC CNSSC	37.48 36.73					CNT-M&W (tk10-MW)	5.50
LSD DCAL SSD	28.43 28.42 27.93					CDL-M&W (168-986)	8.50
ML-PSI STKBL ML (PSI-02) Stackable Microlog Tools	19.83 19.83 19.83					ML-PSI STKBL ML (PSI-02) Stackable Microlog Tools	7.58
RLL3 RLL3F	15.80 15.79					DIL-M&W (1987)	18.50
CILD	8.00						

CILM

4.70

SP

0.20

Dataset: laron_pais_2_7.db: field/well/stack/pass3.1
Total length: 43.08 ft
Total weight: 685.00 lb
O.D.: 4.00 in

**PIONEER**

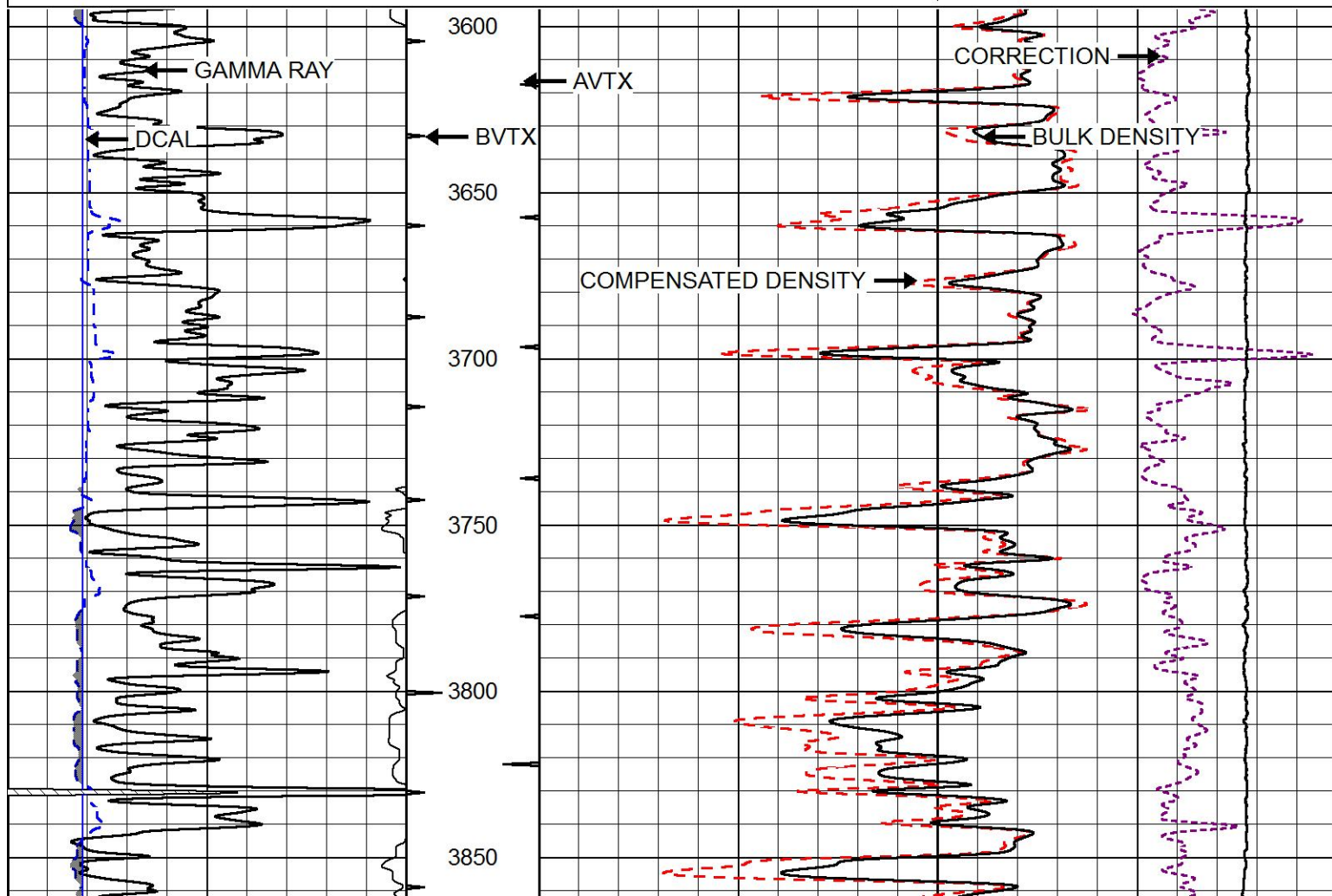
Pioneer Energy Services

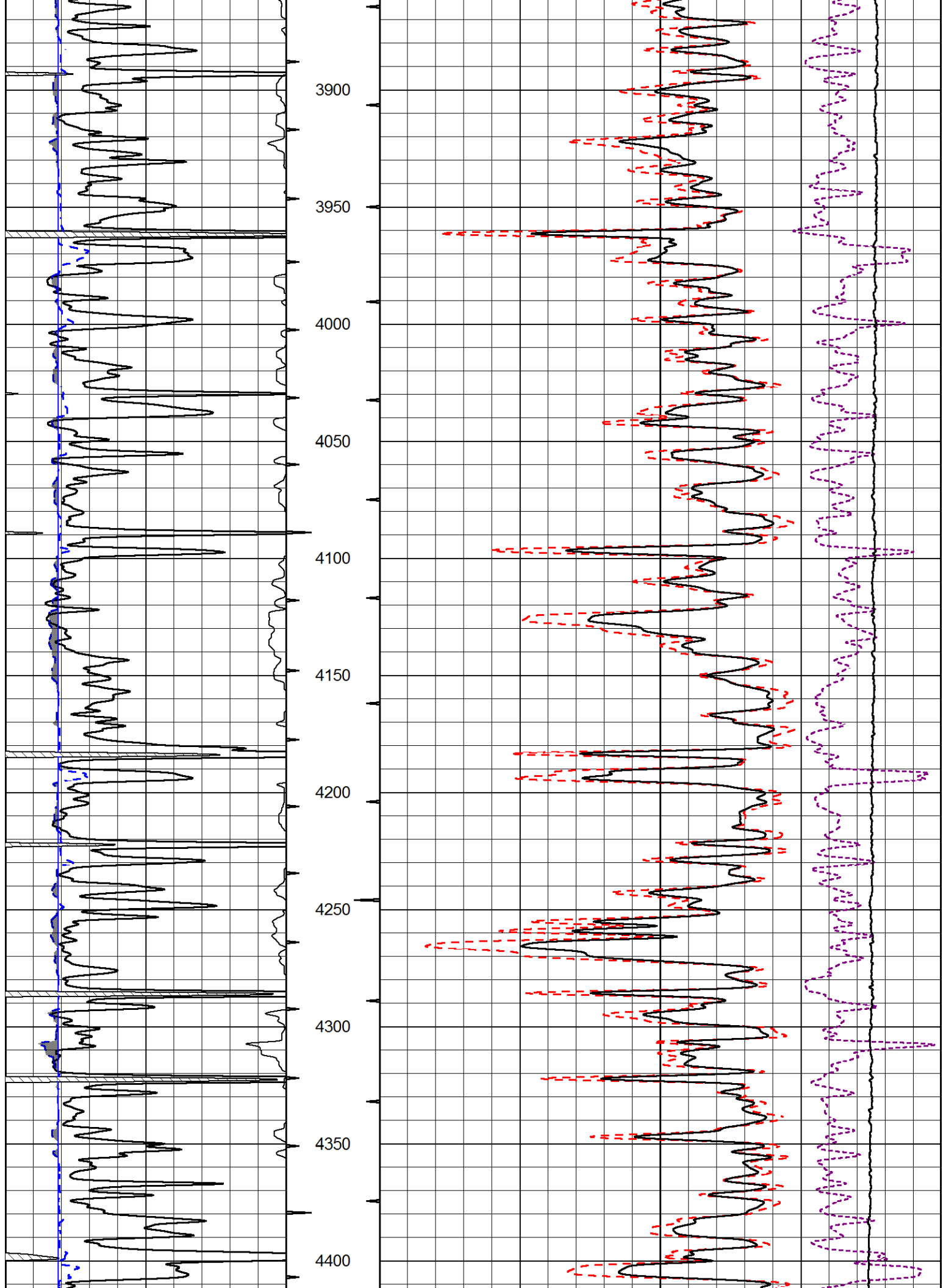
MAIN PASS

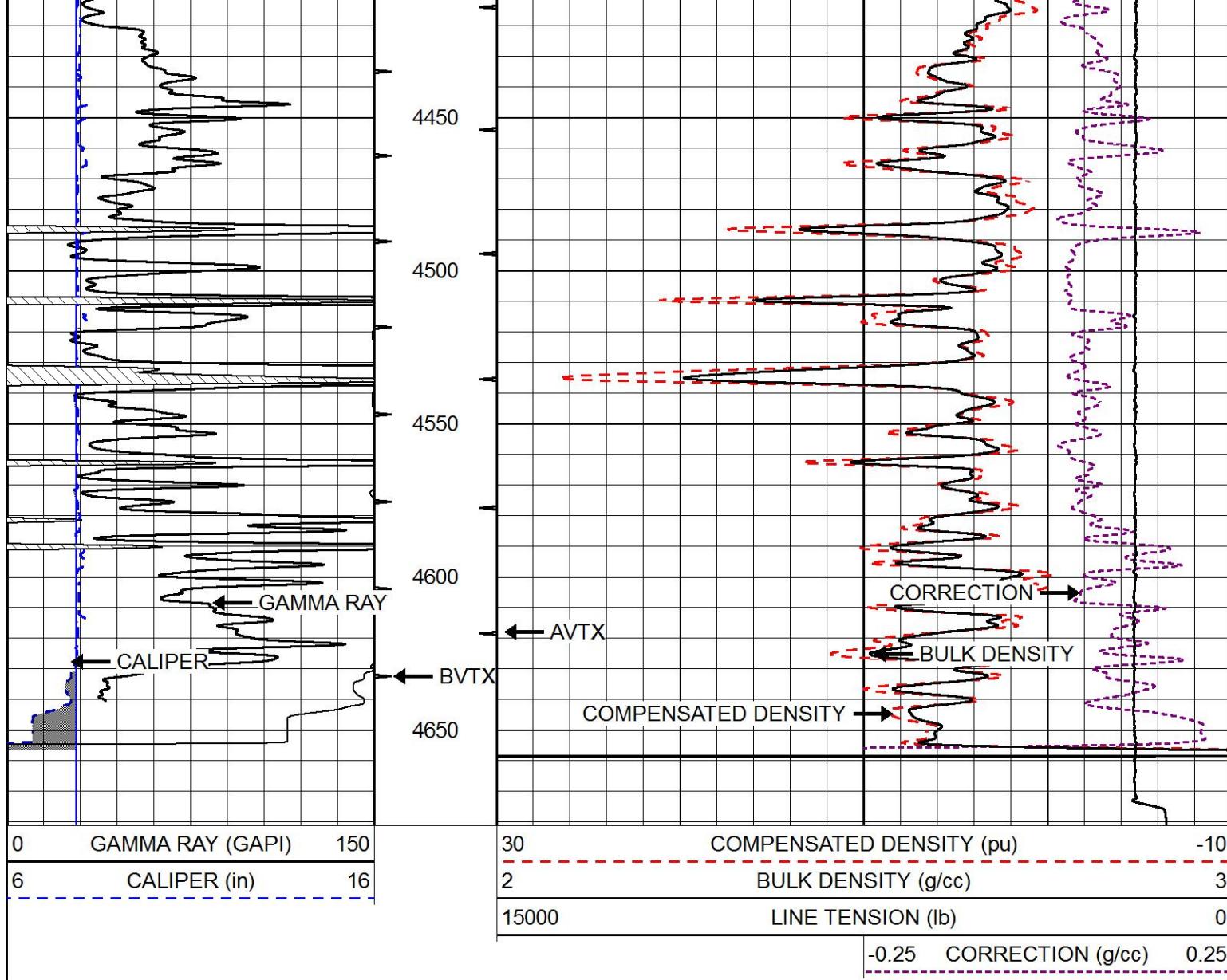
Database File laron_pais_2_7.db
Dataset Pathname stack/pass3.1
Presentation Format cdl
Dataset Creation Thu Jul 13 20:18:36 2017
Charted by Depth in Feet scaled 1:600

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

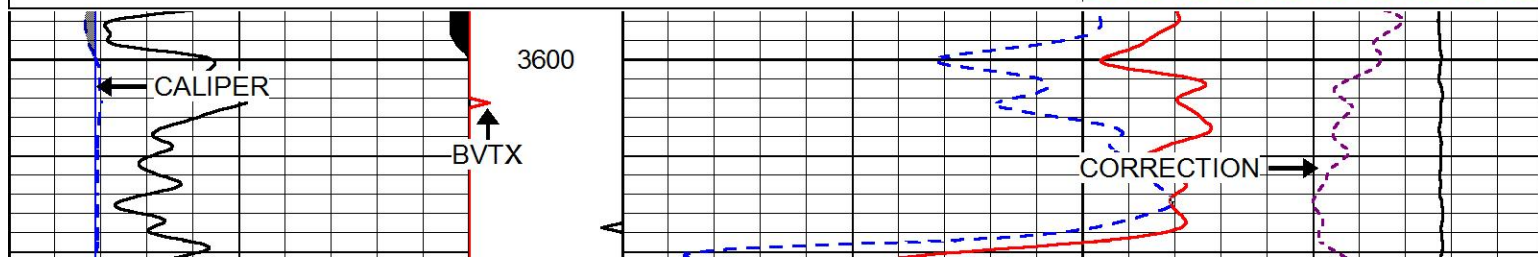
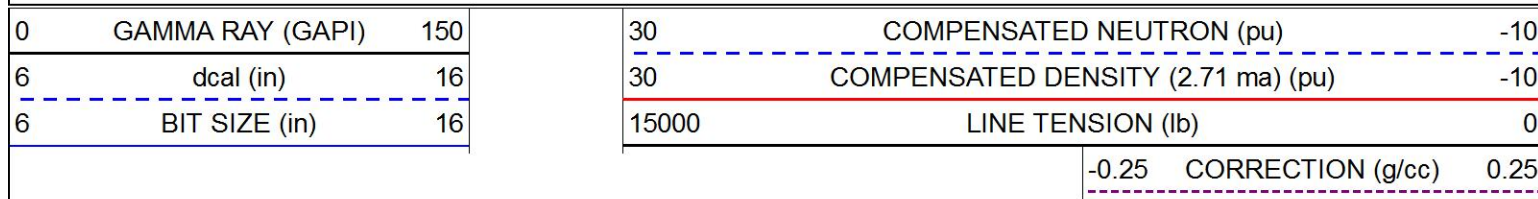


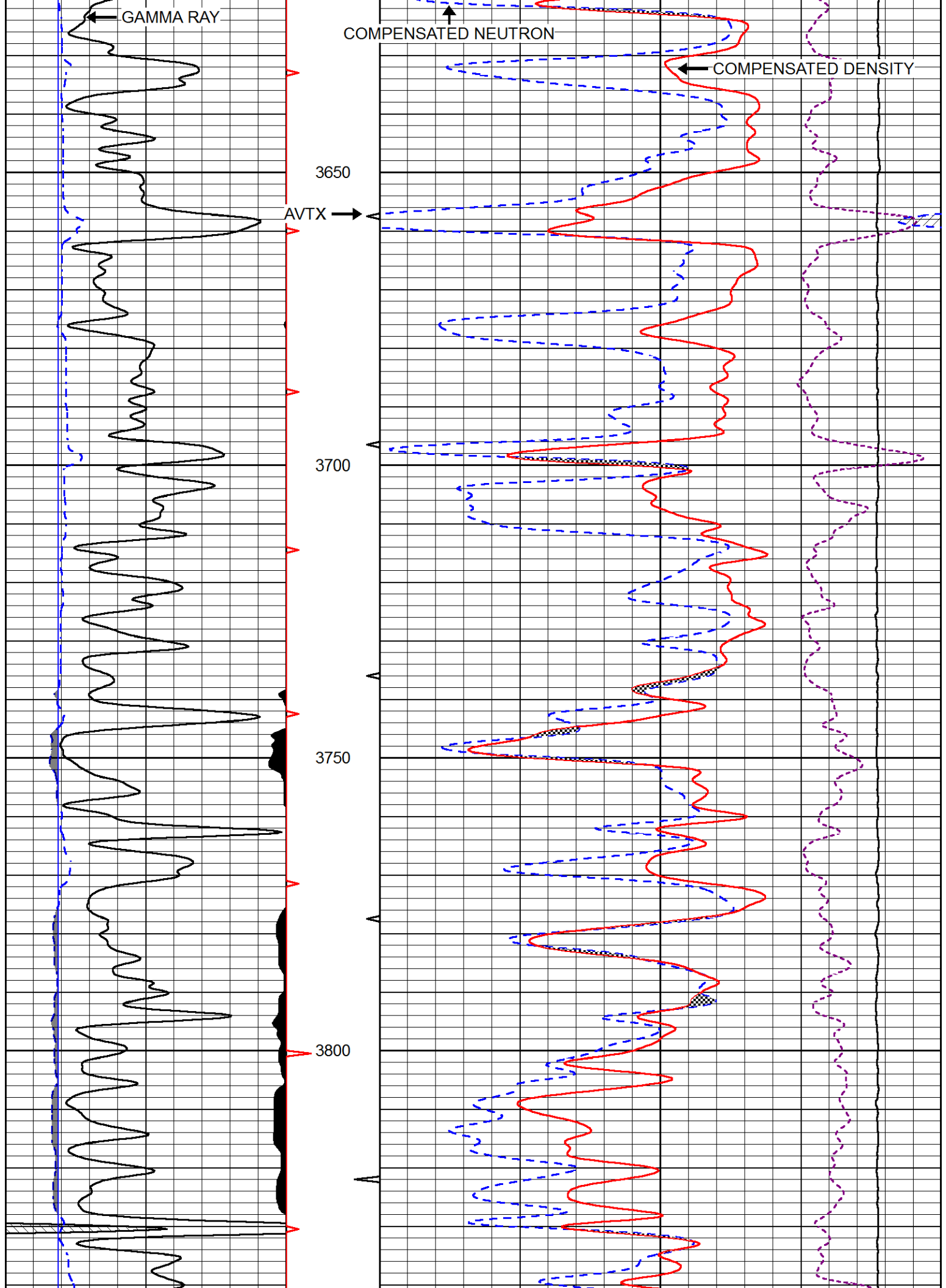


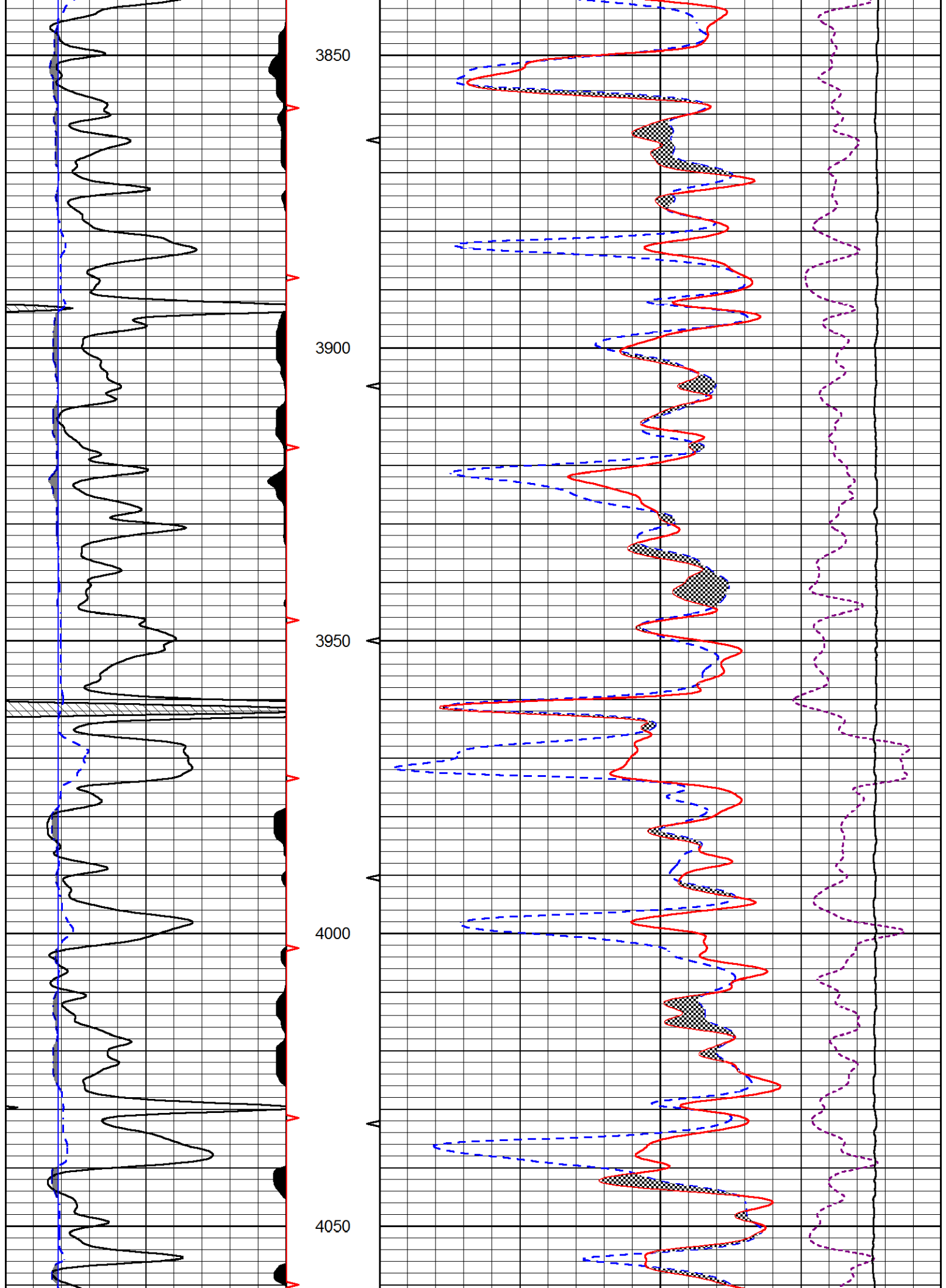


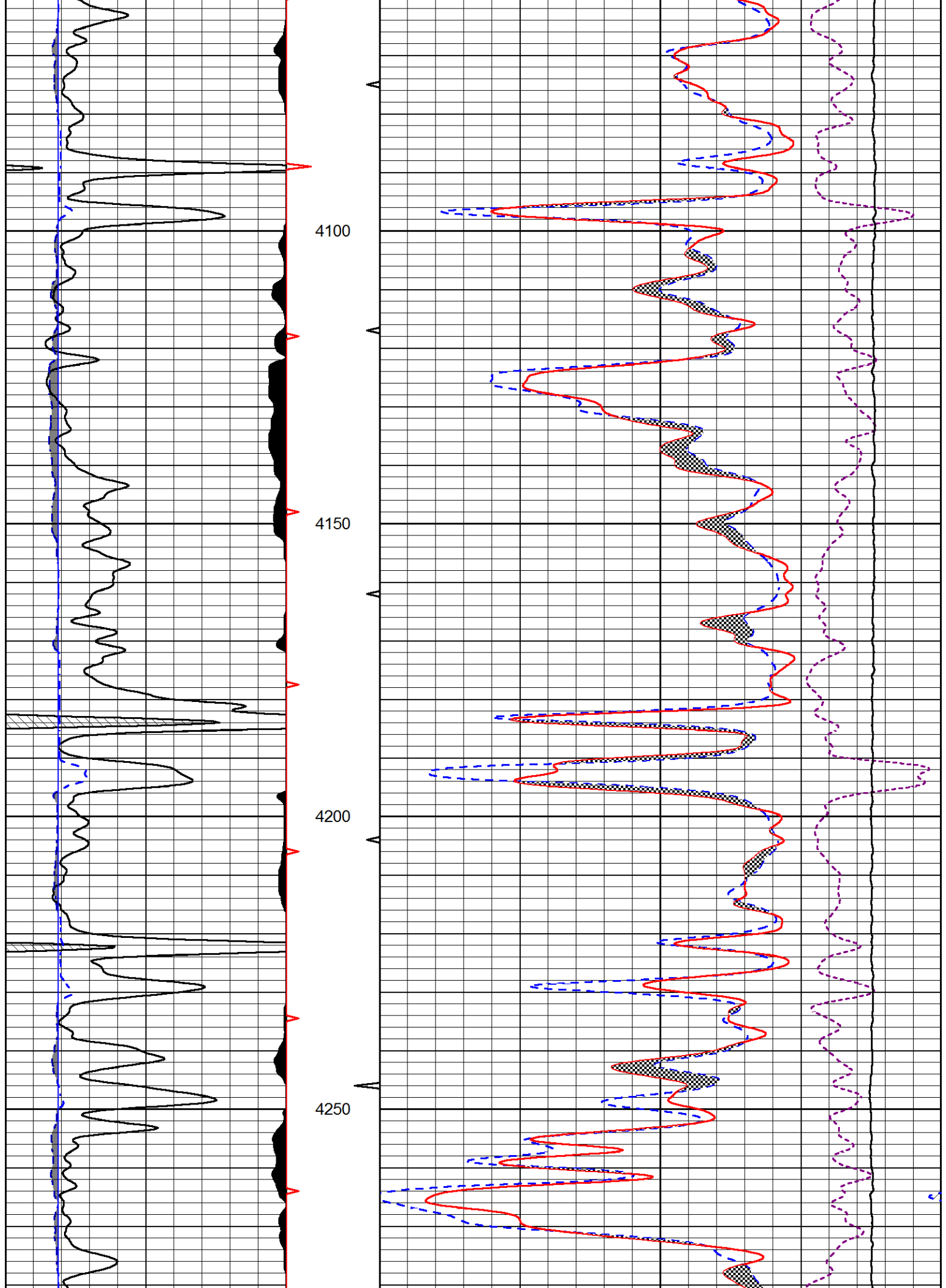
MAIN PASS

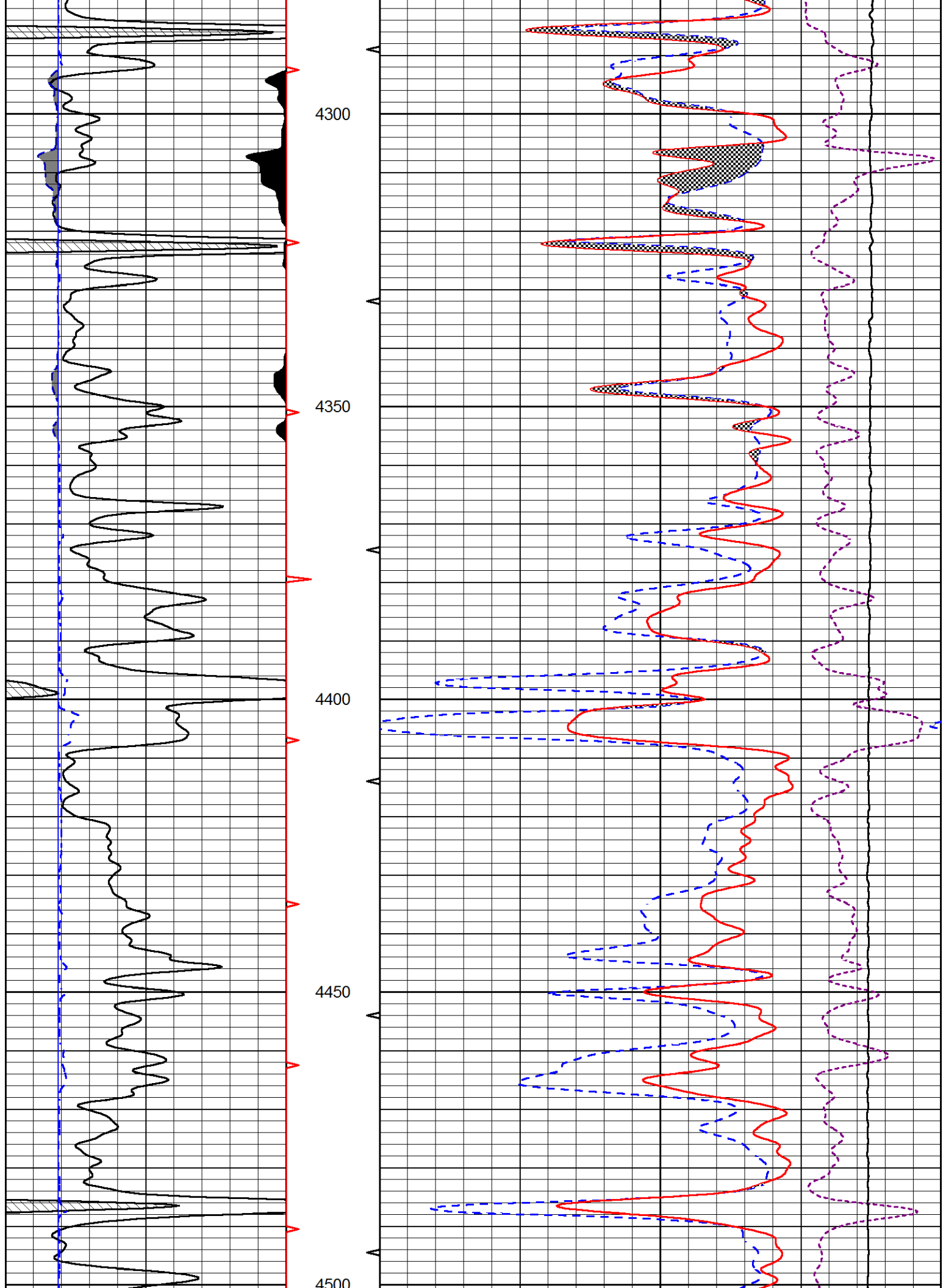
Database File	larson_paris_2_7.db
Dataset Pathname	stack/pass3.1
Presentation Format	cnclspec
Dataset Creation	Thu Jul 13 20:18:36 2017
Charted by	Depth in Feet scaled 1:240

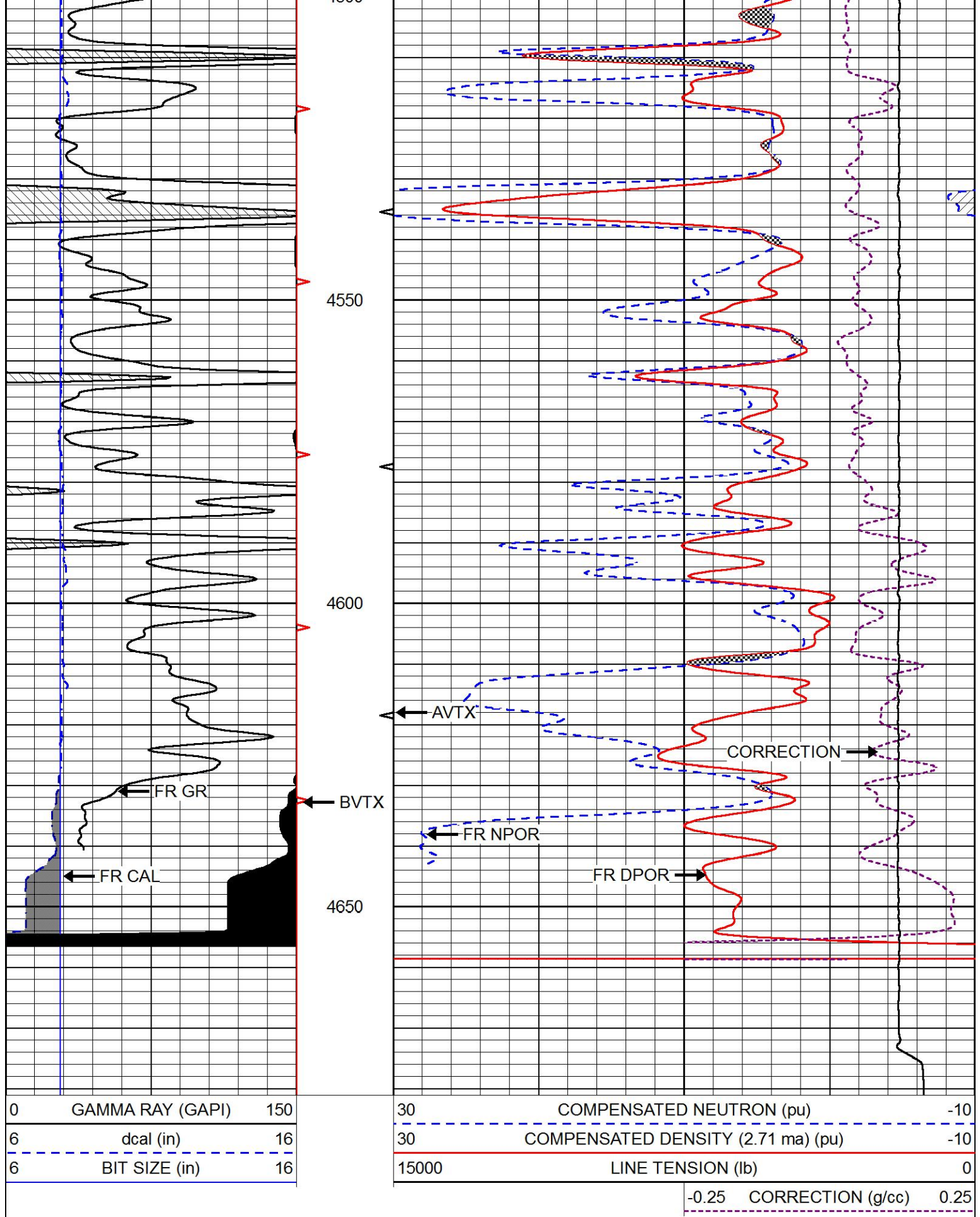










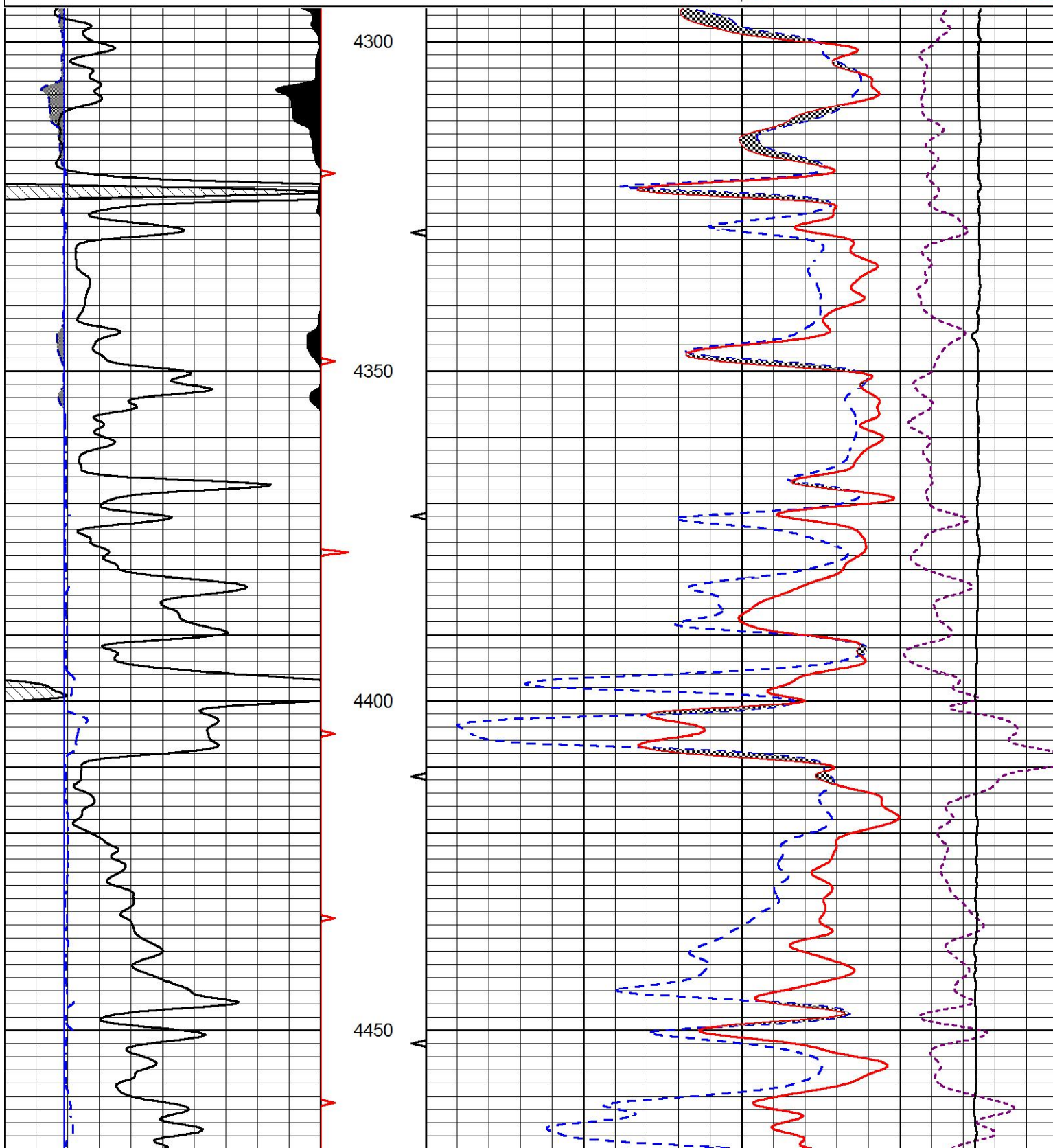


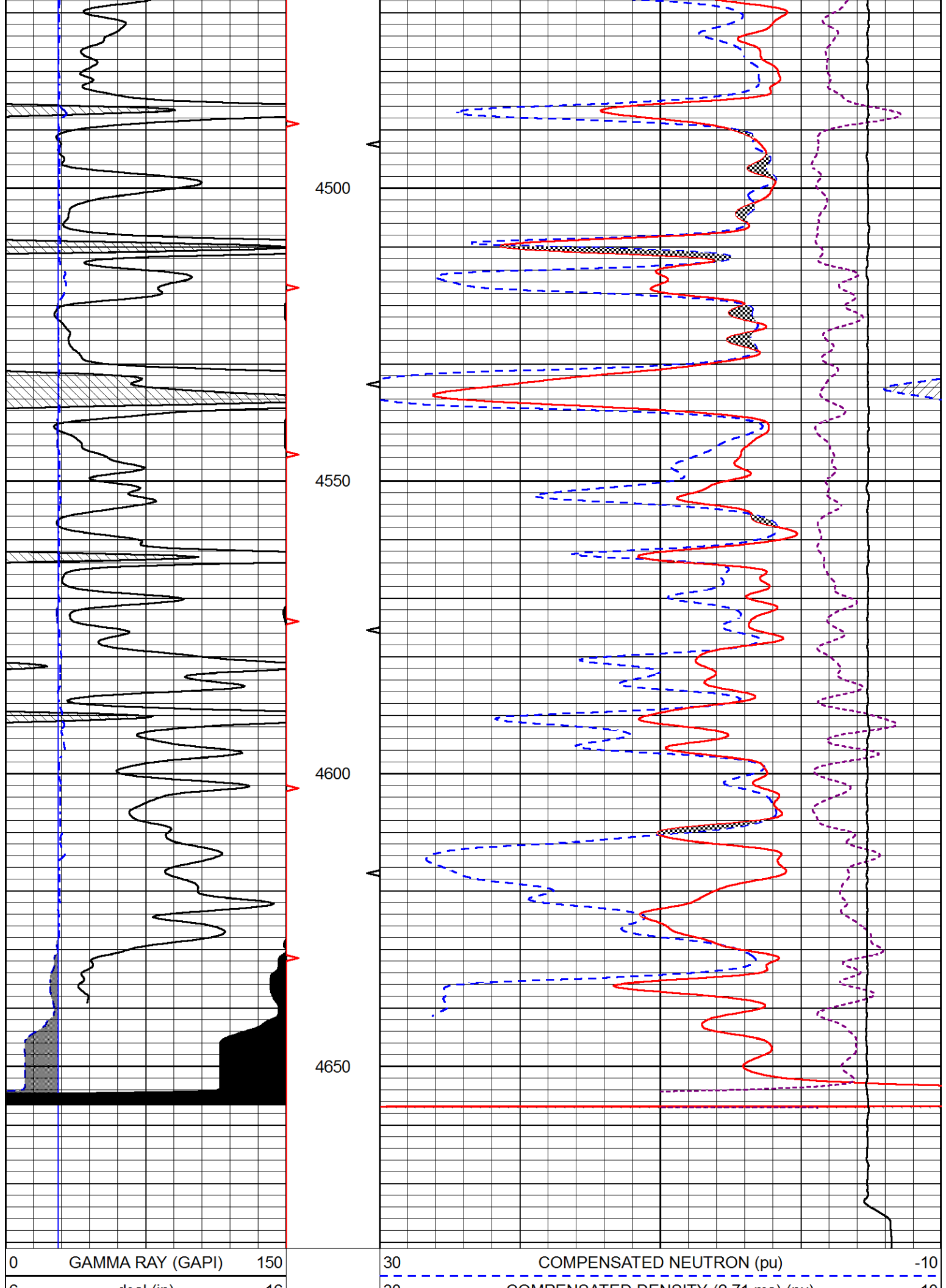
REPEAT SECTION

Database File larsen_pari_2_7.db
Dataset Pathname stack/pass2.1
Presentation Format cndlspec
Dataset Creation Thu Jul 13 19:45:28 2017
Charted by Depth in Feet scaled 1:240

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

30	COMPENSATED NEUTRON (pu)	-10
30	COMPENSATED DENSITY (2.71 ma) (pu)	-10
15000	LINE TENSION (lb)	0
-0.25	CORRECTION (g/cc)	0.25





6	cal (in)	16	30	COMPENSATED DENSITY (2.71 ma) (pu)	-10
6	BIT SIZE (in)	16	15000	LINE TENSION (lb)	0
				-0.25 CORRECTION (g/cc)	0.25

Calibration Report	
Database File	larson_paris_2_7.db
Dataset Pathname	stack/pass3.1
Dataset Creation	Thu Jul 13 20:18:36 2017

Dual Induction Calibration Report							
Serial-Model:				1987-M&W			
Calibration Performed:				Tue Apr 11 16:07:38 2017			
Readings		References			Results		
Loop:	Air	Loop	Air	Loop		Gain	Offset
Deep	178.615	710.235	0.000	255.800	mmho/m	0.510	-36.500
Medium	161.982	1441.110	0.000	255.800	mmho/m	0.450	-110.500

Microlog Calibration Report							
Serial-Model:				PSI-02-PSI STKBL ML			
Performed:				Fri Jun 23 00:25:19 2017			
Readings		References			Results		
	Zero	Cal	Zero	Cal		m	b
Normal	0.0031	0.0043	0.0000	10.0000	Ohm-m	12000.0000	0.0000
Inverse	0.0000	0.0013	0.0000	10.0000	Ohm-m	14000.0000	0.0000
Caliper	1.0020	1.0834	5.5000	16.5000	in	135.1560	-131.2500

Compensated Density Calibration Report	
Serial-Model:	168-986-M&W
Source / Verifier:	/
Master Calibration Performed:	Tue Apr 11 16:07:47 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	1.03		
Large Ring	14.00	in	1.23		

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 16:08:01 2017		
Calibrator Value:	1000.0	GAPI	
Background Reading:	0.0	cps	
Calibrator Reading:	6.2	cps	
Sensitivity:	0.5200	GAPI/cps	

 PIONEER Pioneer Energy Services	Company	LARSON ENGINEERING, INC.
	Well	PARIS NO. 2-7
	Field	HINEMAN NORTHWEST
	County	LANE
	State	KANSAS