

DatabaseC:\ProgramData\Warrior\Data\cobalt_cheyenne_a_1_4.db
Dataset field/well/stackml/pass3.1/_vars_

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Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in 7.875	degF 111	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 0	mmho/m 0	mV 28	degF 42	Off	ft 3459

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	37.48			CNT-M&W (tk10-MW)	5.50	3.50	100.00
CNSSC	36.73						
LSD DCAL SSD	28.43			CDL-M&W (934-5002)	8.50	4.00	250.00
	28.42						
	27.93						
MCAL MI MN	19.83			ML-PSI STKBL ML (PSI-01) Stackable Microlog Tools	7.58	4.00	65.00
	19.83						
	19.83						
RLL3 RLL3F	15.80 15.79						
CILD	8.00			DIL-M&W (PSI 988)	18.50	3.50	220.00

CILM

4.70

SP

0.20

Dataset: cobalt_cheyenne_a_1_4.db: field/well/stackml/pass3.1
Total length: 43.08 ft
Total weight: 685.00 lb
O.D.: 4.00 in

**PIONEER**

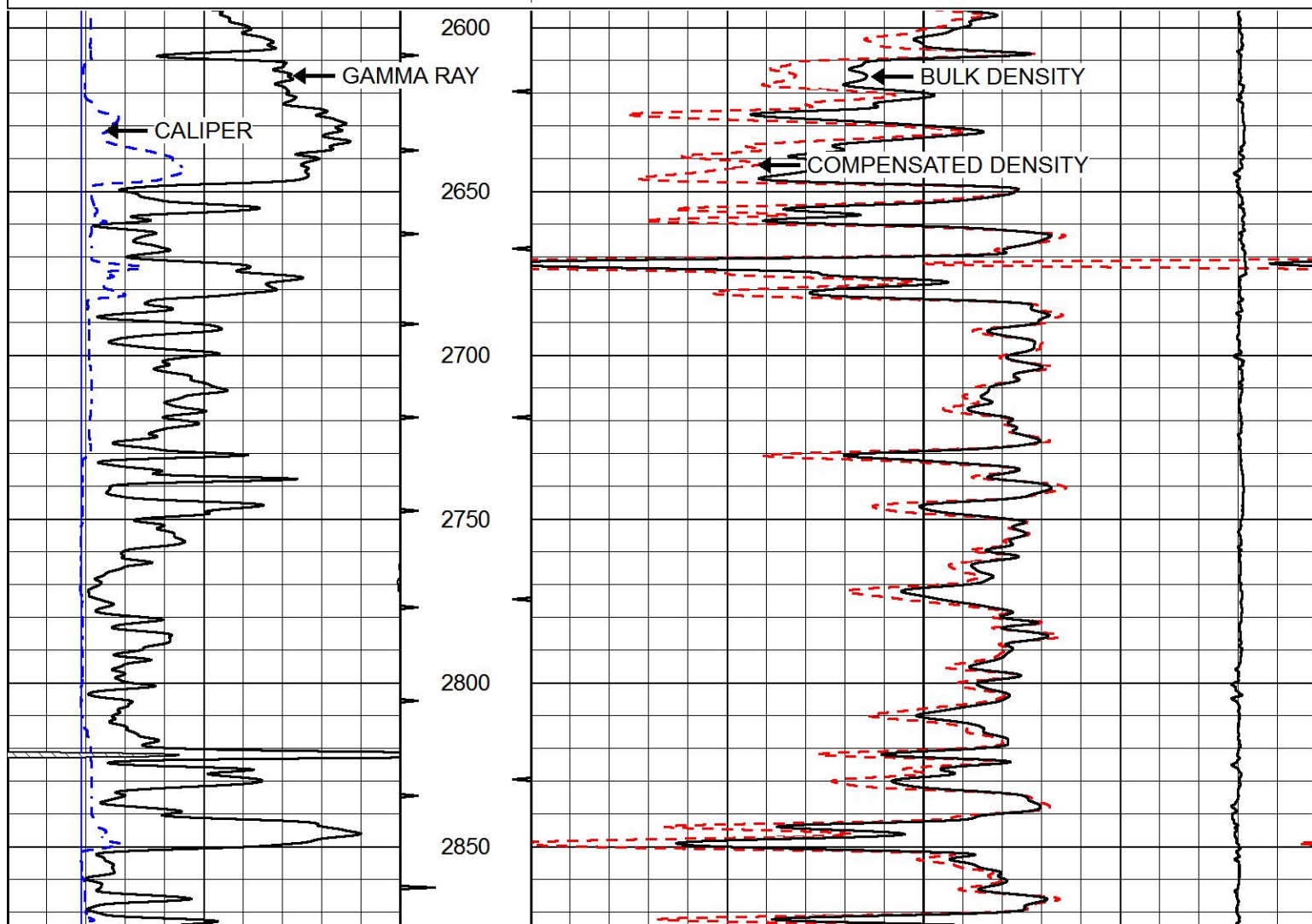
Pioneer Energy Services

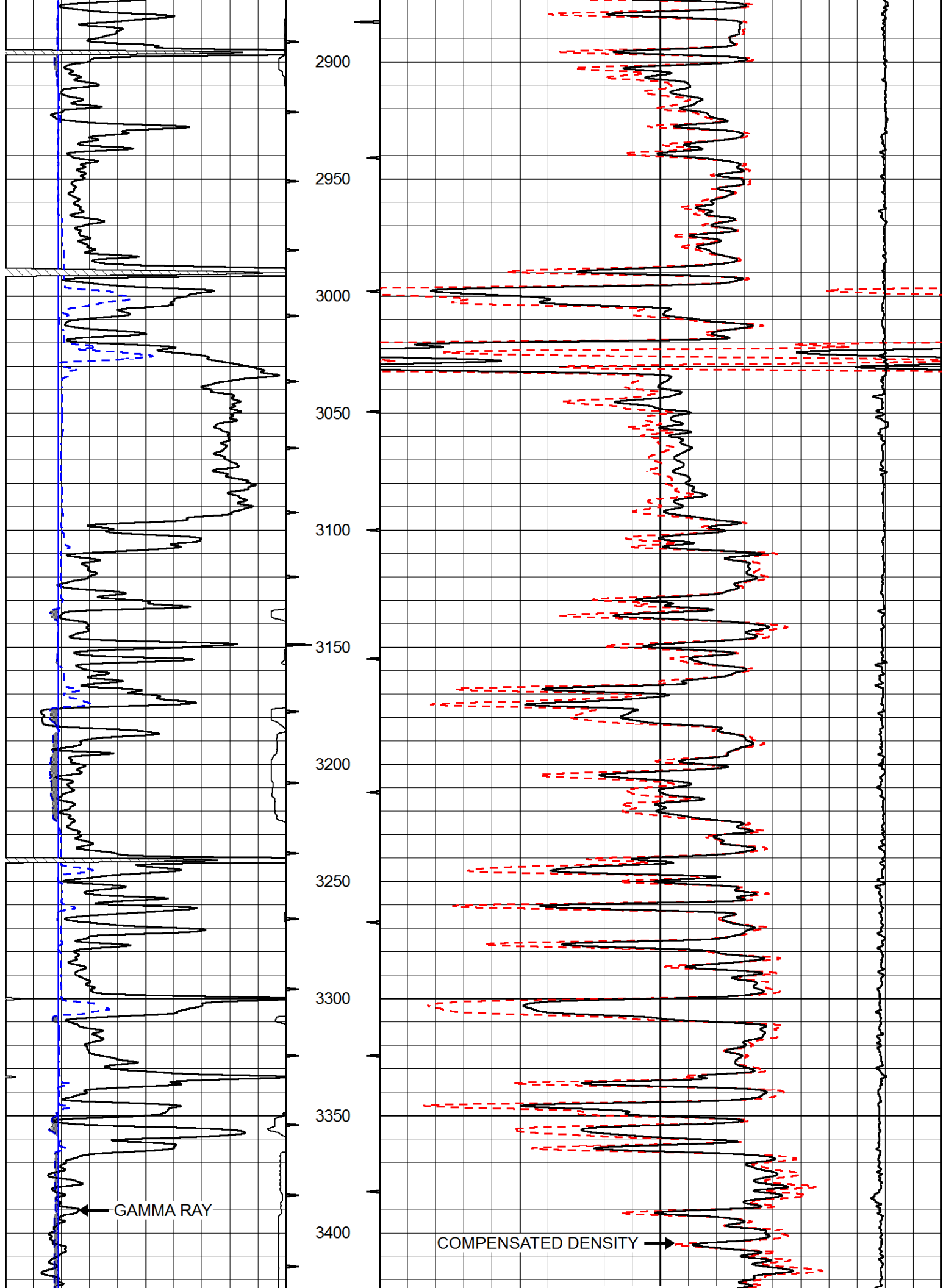
MAIN PASS

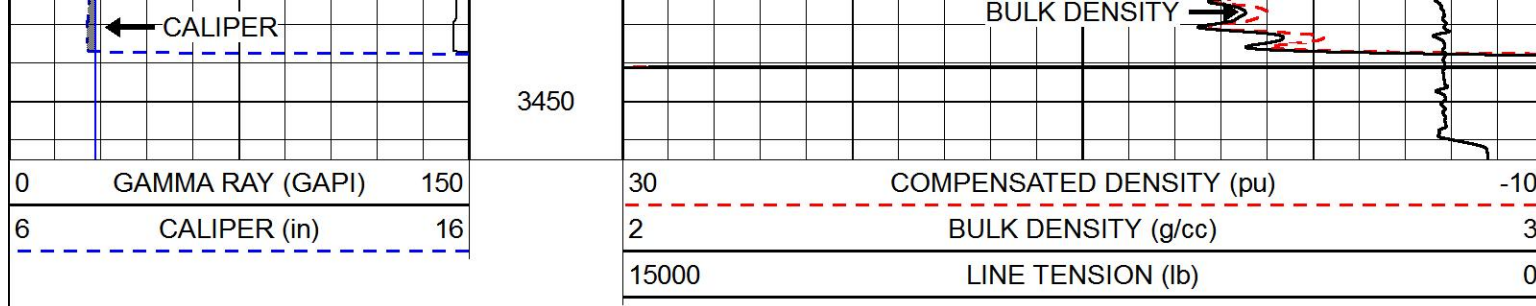
Database File cobalt_cheyenne_a_1_4.db
Dataset Pathname stackml/pass3.1
Presentation Format cdl
Dataset Creation Tue Jan 15 11:32:58 2019
Charted by Depth in Feet scaled 1:600

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

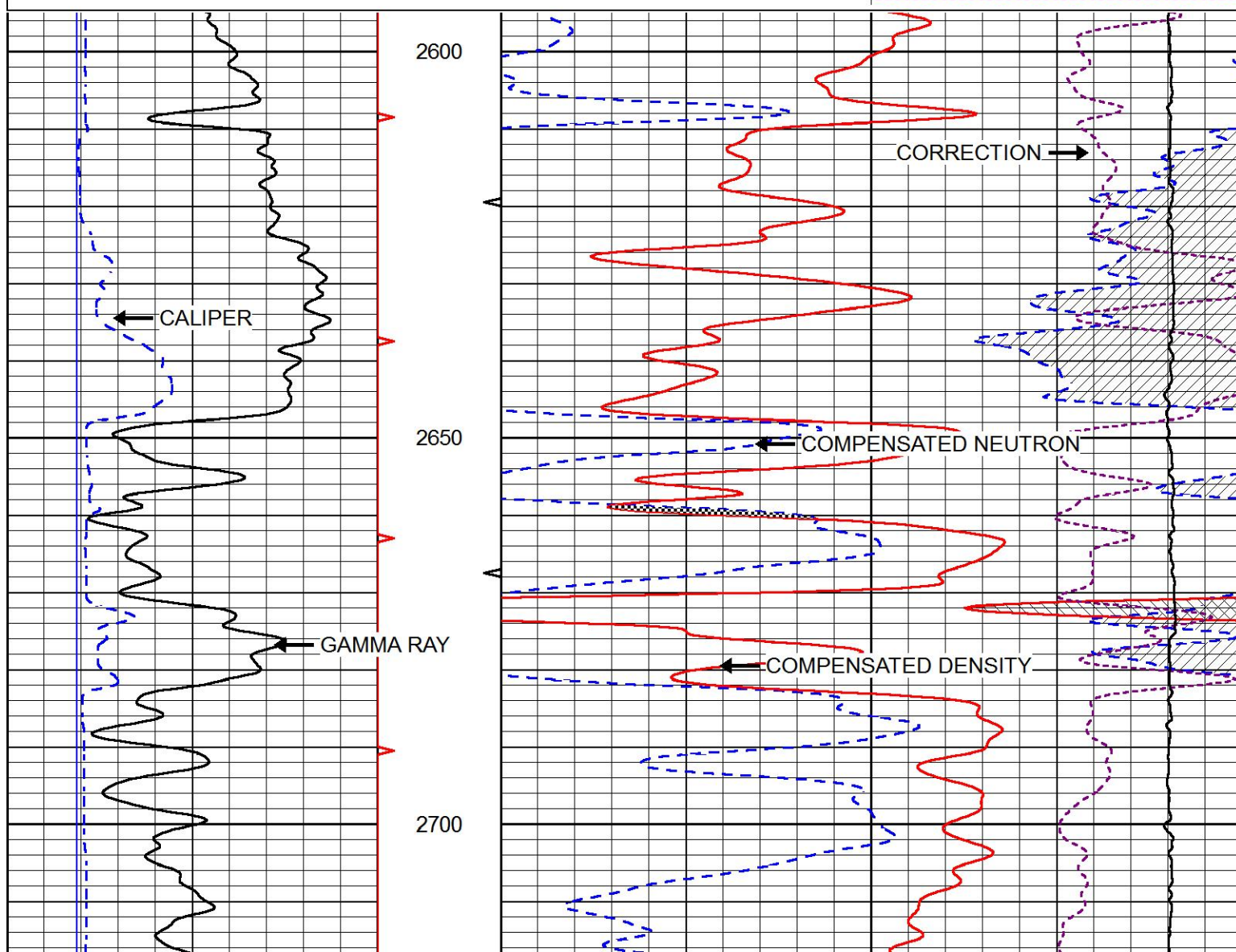
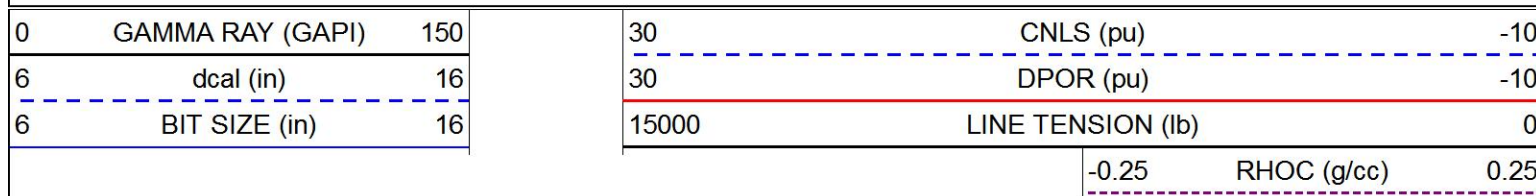


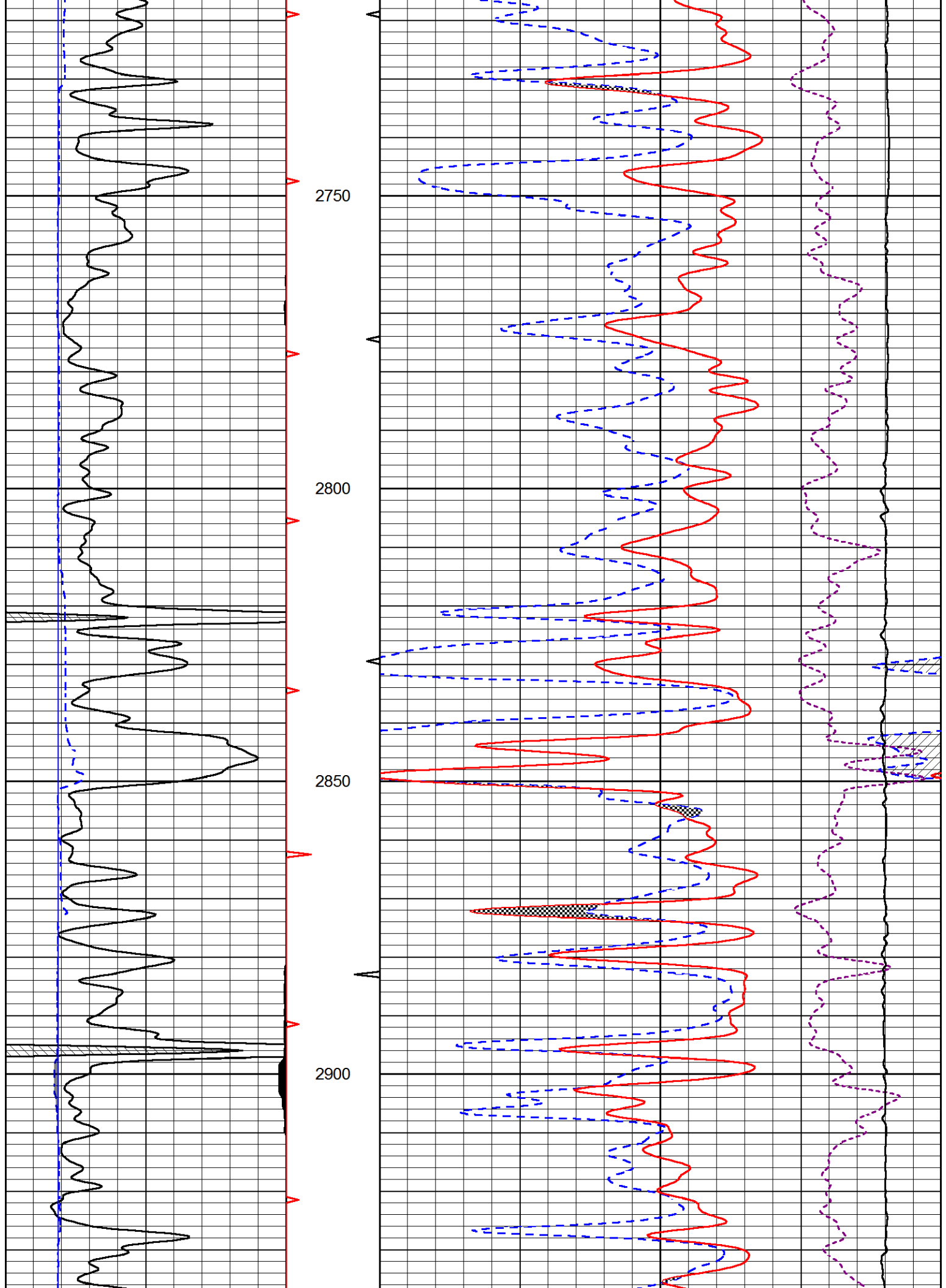


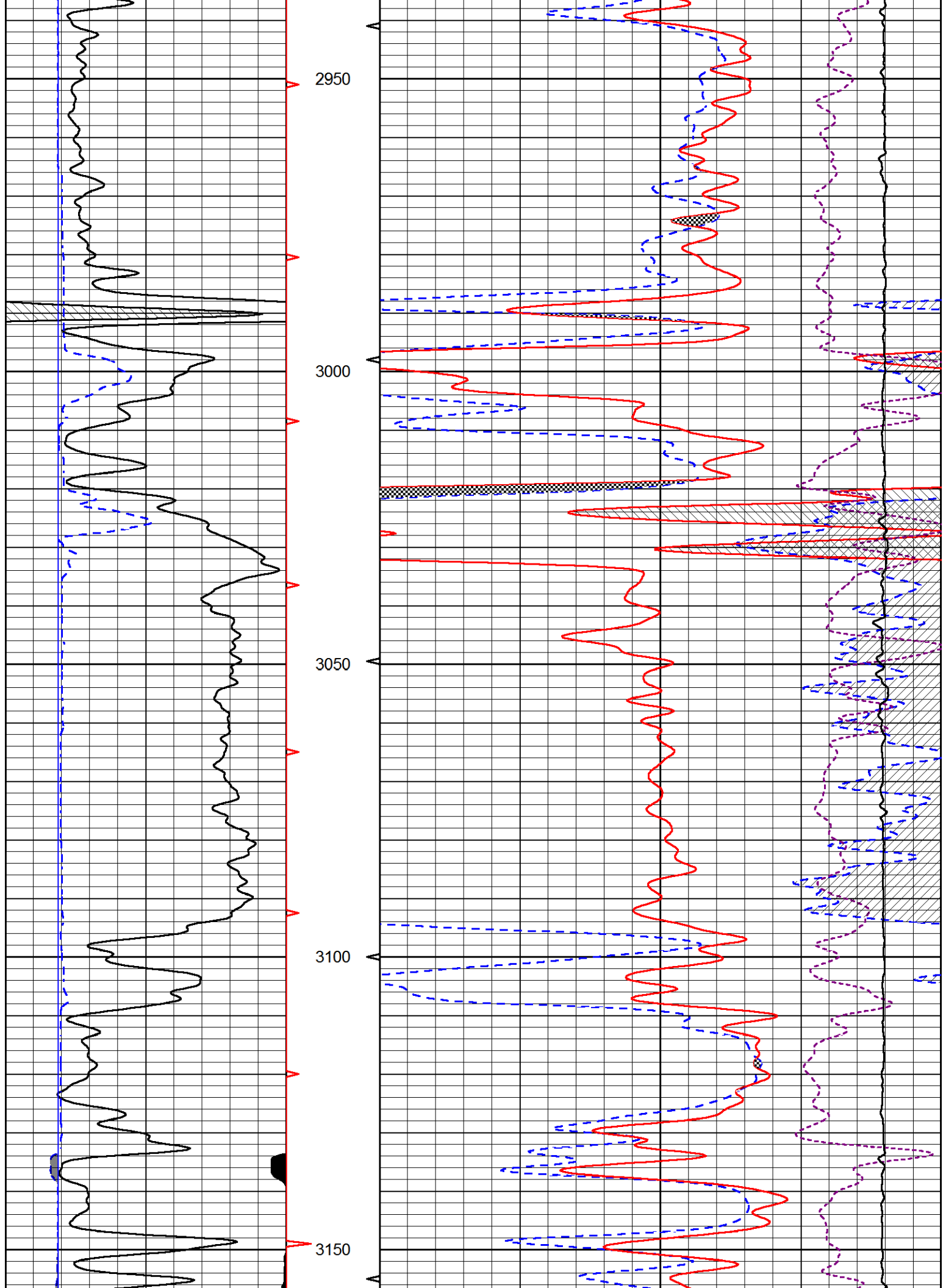


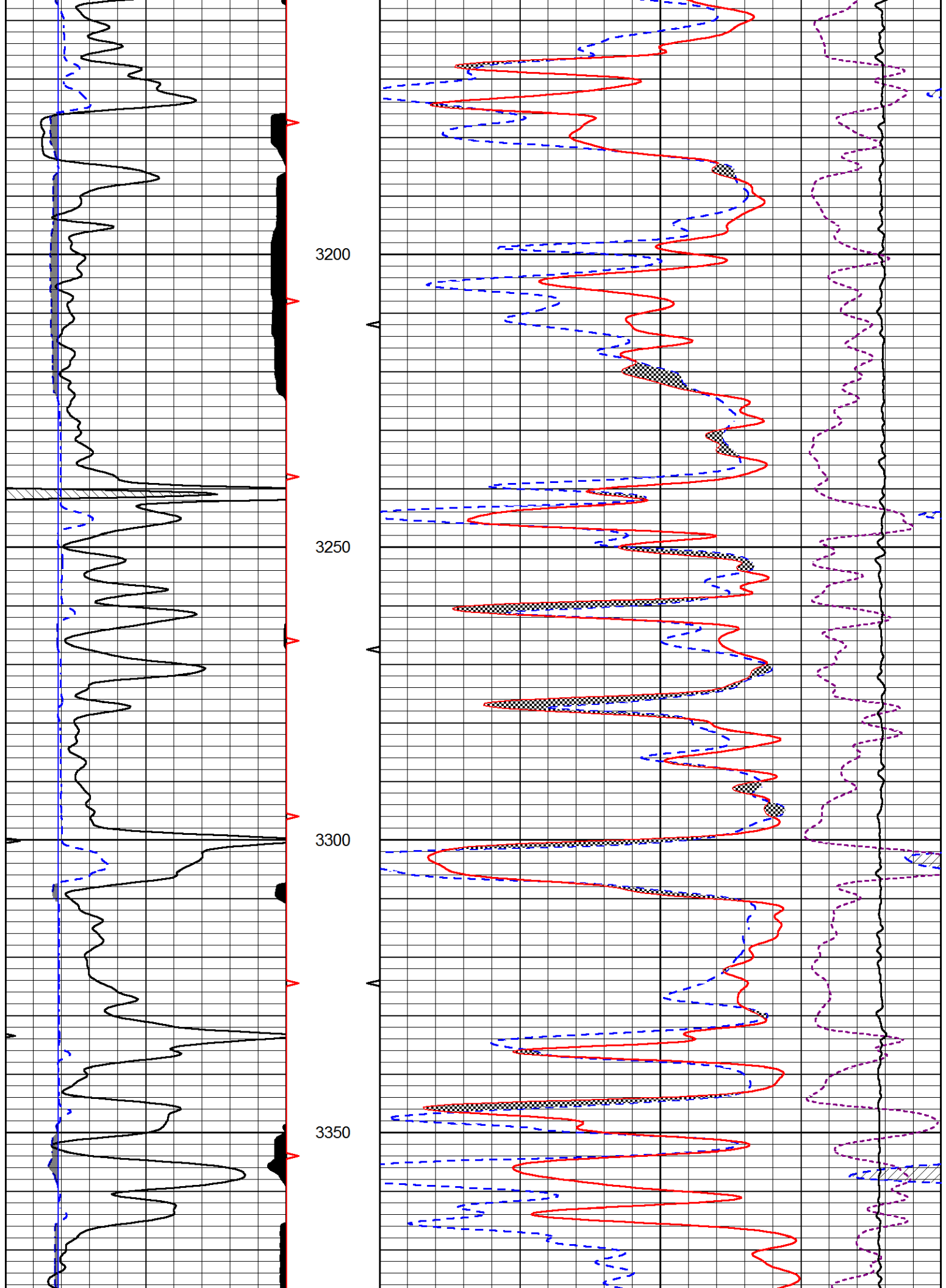
MAIN PASS

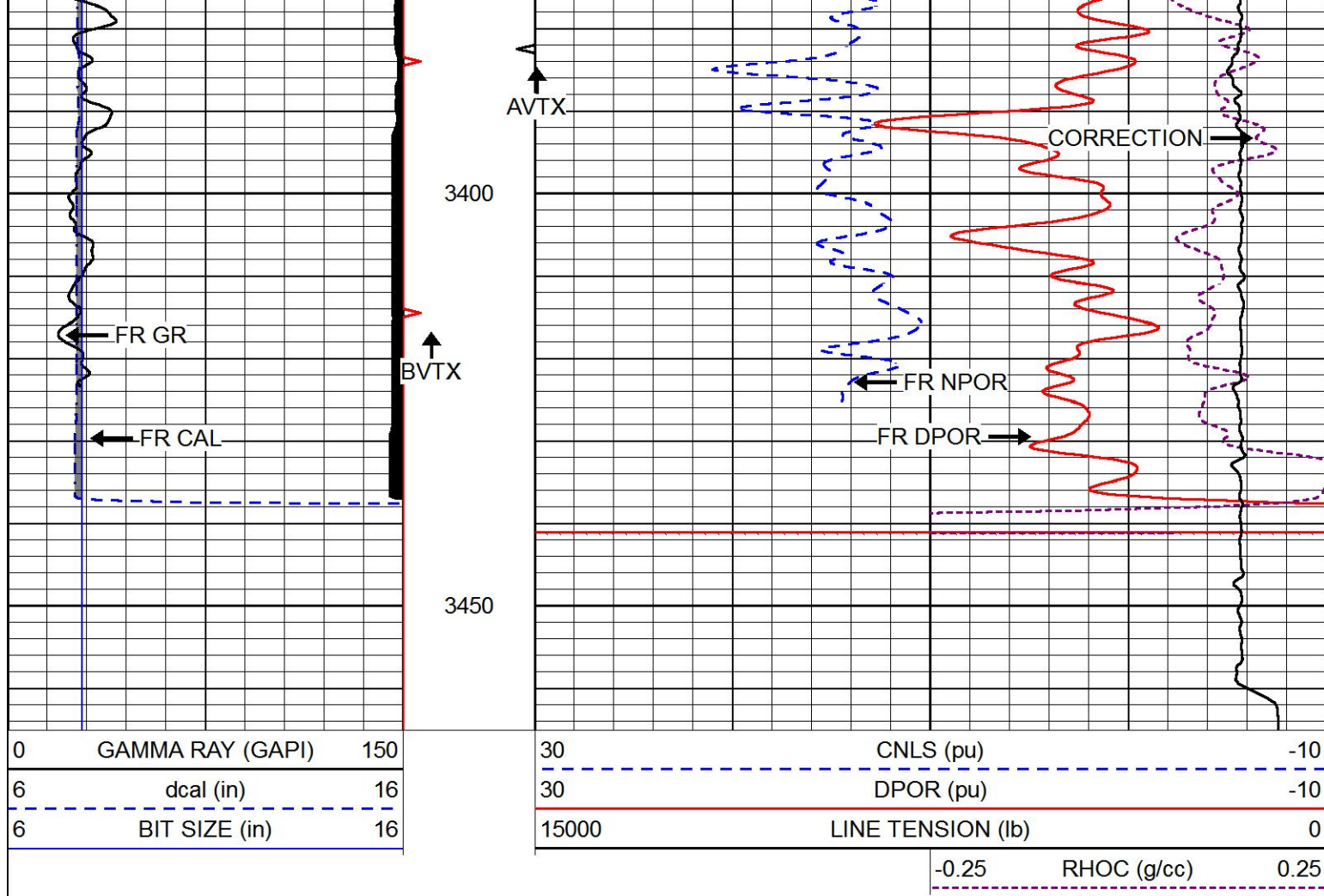
Database File cobalt_cheyenne_a_1_4.db
 Dataset Pathname stackml/pass3.1
 Presentation Format cndlspec
 Dataset Creation Tue Jan 15 11:32:58 2019
 Charted by Depth in Feet scaled 1:240





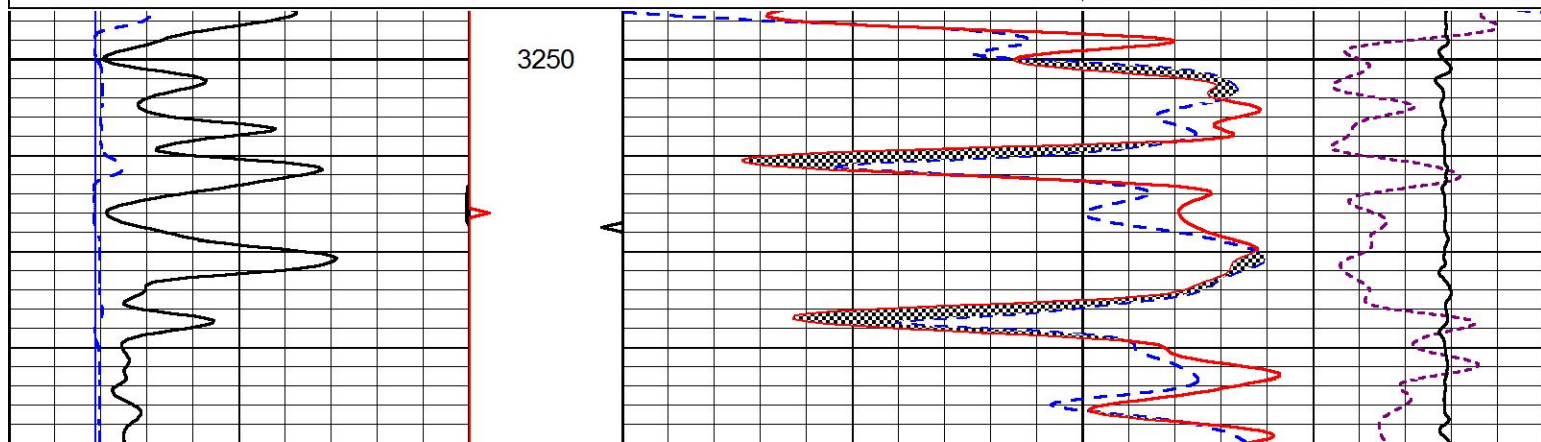
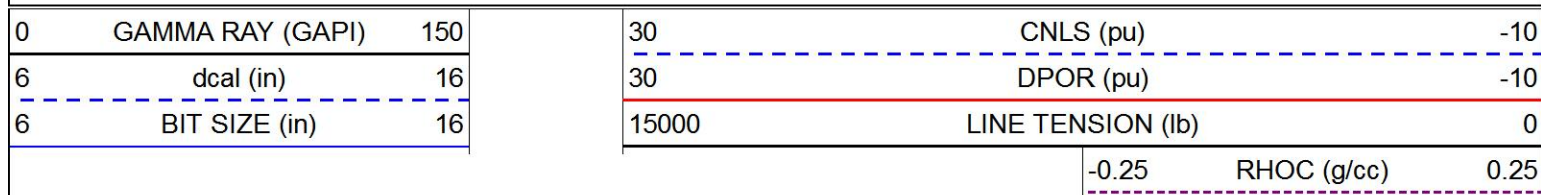


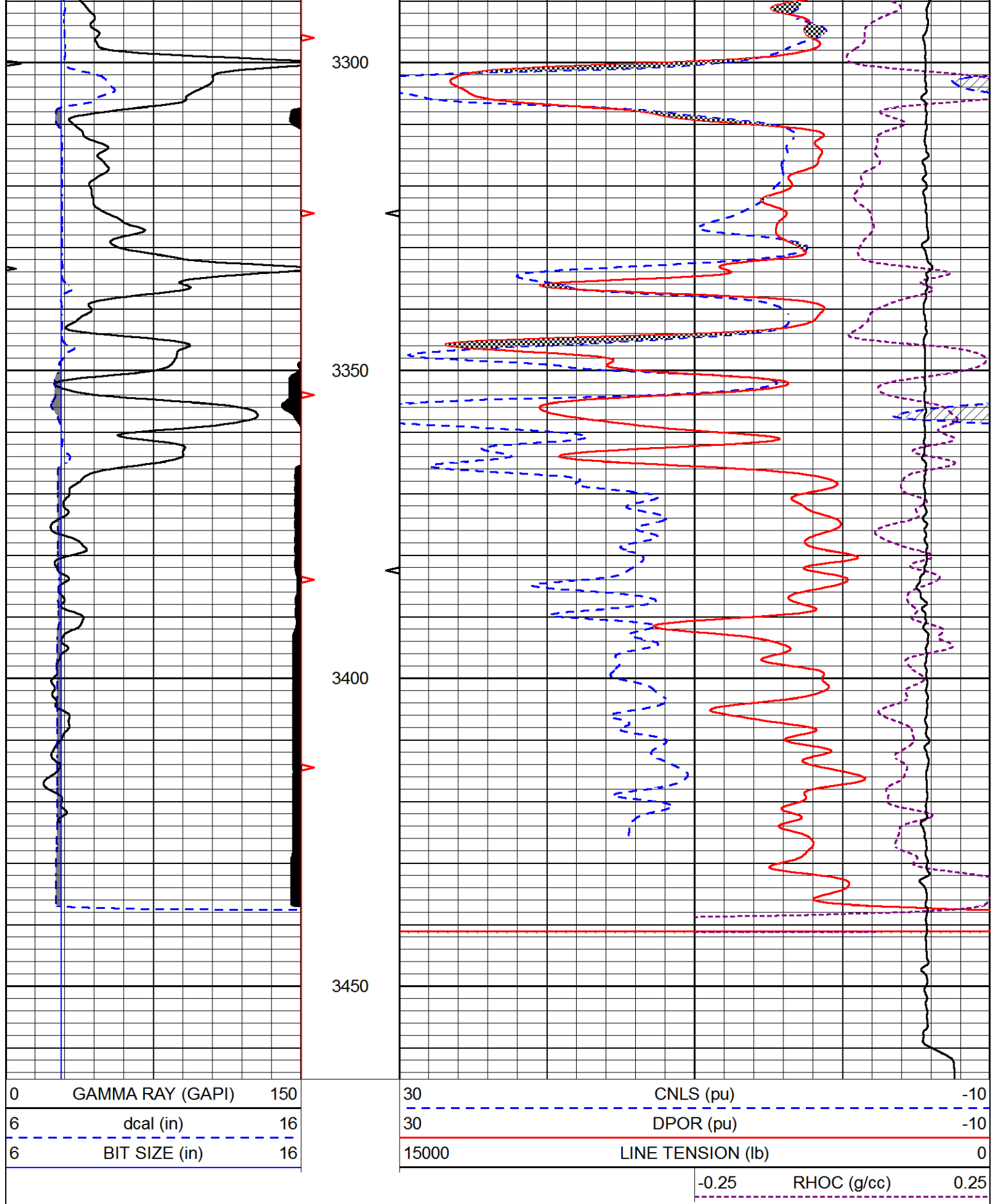




REPEAT SECTION

Database File cobalt_cheyenne_a_1_4.db
 Dataset Pathname stackml/pass2.1
 Presentation Format cndlspec
 Dataset Creation Tue Jan 15 11:33:19 2019
 Charted by Depth in Feet scaled 1:240





Calibration Report

Database File cobalt_cheyenne_a_1_4.db
Dataset Pathname stackml/pass3.1
Dataset Creation Tue Jan 15 11:32:58 2019

Dual Induction Calibration Report

Serial-Model:
Calibration Performed:

PSI 988-M&W
Tue Nov 20 10:50:19 2018

Loop:	Readings		References			Results	
	Air	Loop	Air	Loop		Gain	Offset
Deep	178.615	710.235	0.000	255.800	mmho/m	0.540	-44.000
Medium	161.982	1441.110	0.000	255.800	mmho/m	0.380	-17.000

Microlog Calibration Report

Serial-Model:
Performed:

PSI-01-PSI STKBL ML
Thu Mar 31 18:14:32 2016

	Readings		References			Results	
	Zero	Cal	Zero	Cal		m	b
Normal	0.0000	1.0000	0.0000	1.0000	Ohm-m	52000.0000	-1.2000
Inverse	0.0000	1.0000	0.0000	1.0000	Ohm-m	52500.0000	-0.9000
Caliper	1.0001	1.1397	6.5000	18.5000	in	86.0000	-82.6000

Compensated Density Calibration Report

Serial-Model:
Source / Verifier:
Master Calibration Performed:

934-5002-M&W
/
Wed Aug 29 11:03:55 2018

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.755	g/cc	3720.16	2661.79	cps
Aluminum	2.675	g/cc	696.57	1725.83	cps
Spine Angle = 75.50			Density/Spine Ratio = 0.532		
	Size		Reading		
Small Ring	4.00	in	1.16		
Large Ring	14.00	in	1.01		

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



Company	COBALT ENERGY, LLC
Well	CHEYENNE 'A' #1-4
Field	CHEYENNE
County	BARTON
State	KANSAS