



DUAL COMPENSATED POROSITY

MIDWEST WIRELINE

Company Castle Resources, Inc.
Well Czirr #1
Field Unnamed
County Wabaunsee
State Kansas

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Well Czirr #1
Field Unnamed
County Wabaunsee State Kansas

Location: API #: 15-197-20325-00-00
NW SE NW SE
1960 FSL & 1775 FEL
SEC 8 TWP 11S RGE 11E
Permanent Datum Ground Level Elevation 1137
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing
Other Services
DIL
MEL/BHCS
K.B. 1142
D.F.
G.L. 1137

Date 9/12/2024

Run Number One
Type Log CNL/CDL
Depth Driller 3100
Depth Logger 3099
Bottom Logged Interval 3070
Top Logged Interval 1200
Type Fluid In Hole Chemical
Salinity, PPM CL 1400
Density 9.4
Level Full
Max. Rec. Temp. F 107
Operating Rig Time 4.5 Hours
Equipment -- Location P-24 Hays
Recorded By T. Martin
Witnessed By Jerry Green

Borehole Record

Casing Record

Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	304	8.625	23	00	304
Two	7.875	304	TD				

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All interpretations are opinions based on inferences from electrical or other measurements and Midwest Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Midwest Wireline Services, LLC will not 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.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

I-70 & McFarland Rd, 1/2 N to Sunflower,
1 E to Quail, 1.25 N to gate, N & W into

Log Measured From: Kelly Bushing 5 Ft. Above Permanent Datum

THANK YOU FOR USING MIDWEST WIRELINE LLC
785-625-3858

Your Midwest Wireline Crew

Engineer: T. Martin
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: Jerry Green
Secondary Witness:
Secondary Witness:
Secondary Witness:

Log Variables

DatabaseC:\ProgramData\Warrior\Data\castle_czirr #1.db
Dataset field/well/StkMI/pass3.1/_vars_

Top - Bottom

BOREID in 7.875	BOTTEMP degF 107	CASEOD in 5.5	CASETHCK in 0	FLUIDDEN g/cc 1	MATRXDEN g/cc 2.71	NPORSEL Limestone	PERFS No
SNDERR mmho/m 2	SNDERRM mmho/m -8.2	SPSHIFT mV 255	SRFTEMP degF 80	SZCOR Off	TDEPTH ft 3099		

Variable Description

BOREID : Borehole I.D.
BOTTEMP : Bottom Hole Temperature
CASEOD : Casing O.D.
CASETHCK : Casing Thickness
FLUIDDEN : Fluid Density
MATRXDEN : Matrix Density
NPORSEL : Neutron Porosity Curve Select

PERFS : Perforation Flag
SNDERR : Deep Sonde Error Correction
SNDERRM : Medium Sonde Error Correction
SPSHIFT : S.P. Baseline Offset
SRFTEMP : Surface Temperature
SZCOR : CN Size Cor. ?
TDEPTH : Total Depth



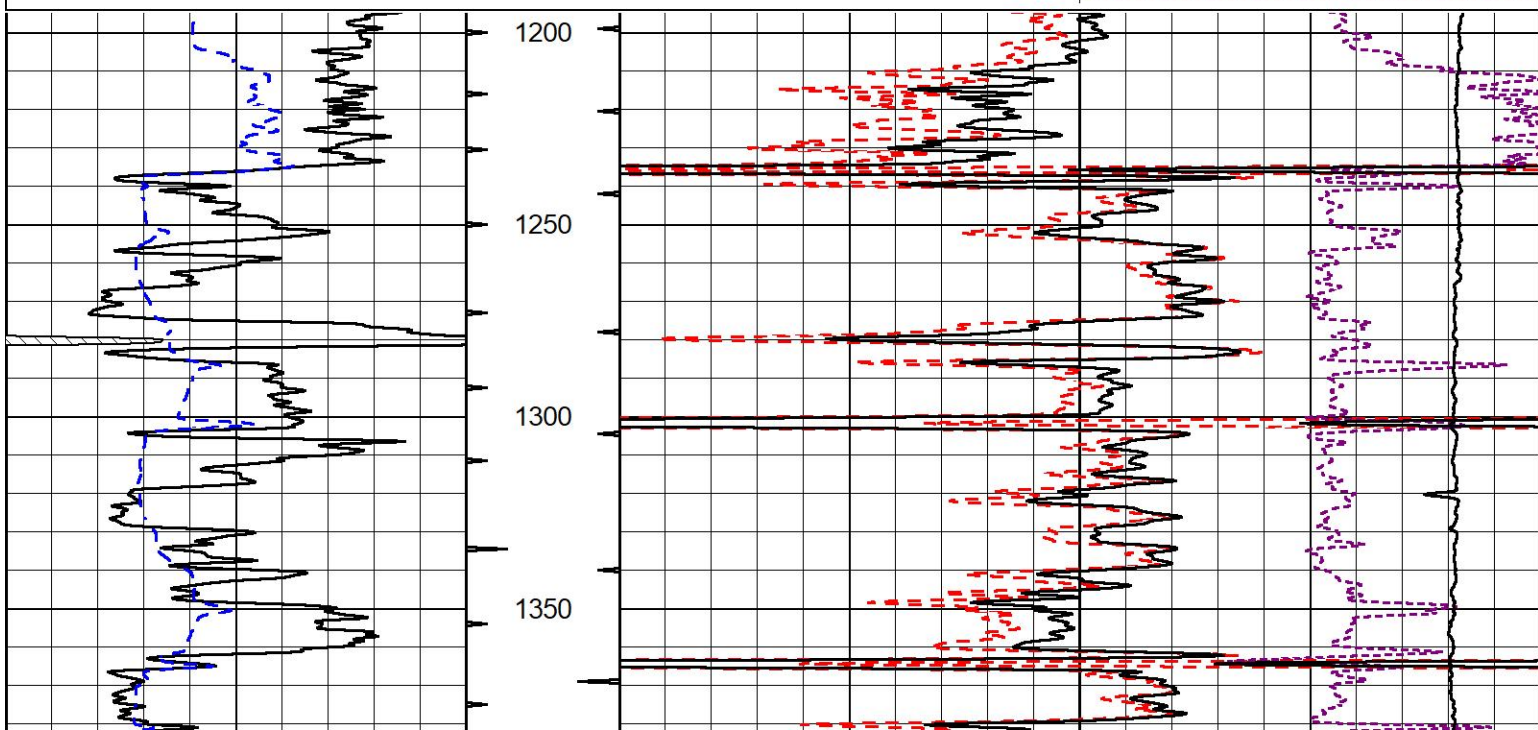
MIDWEST WIRELINE

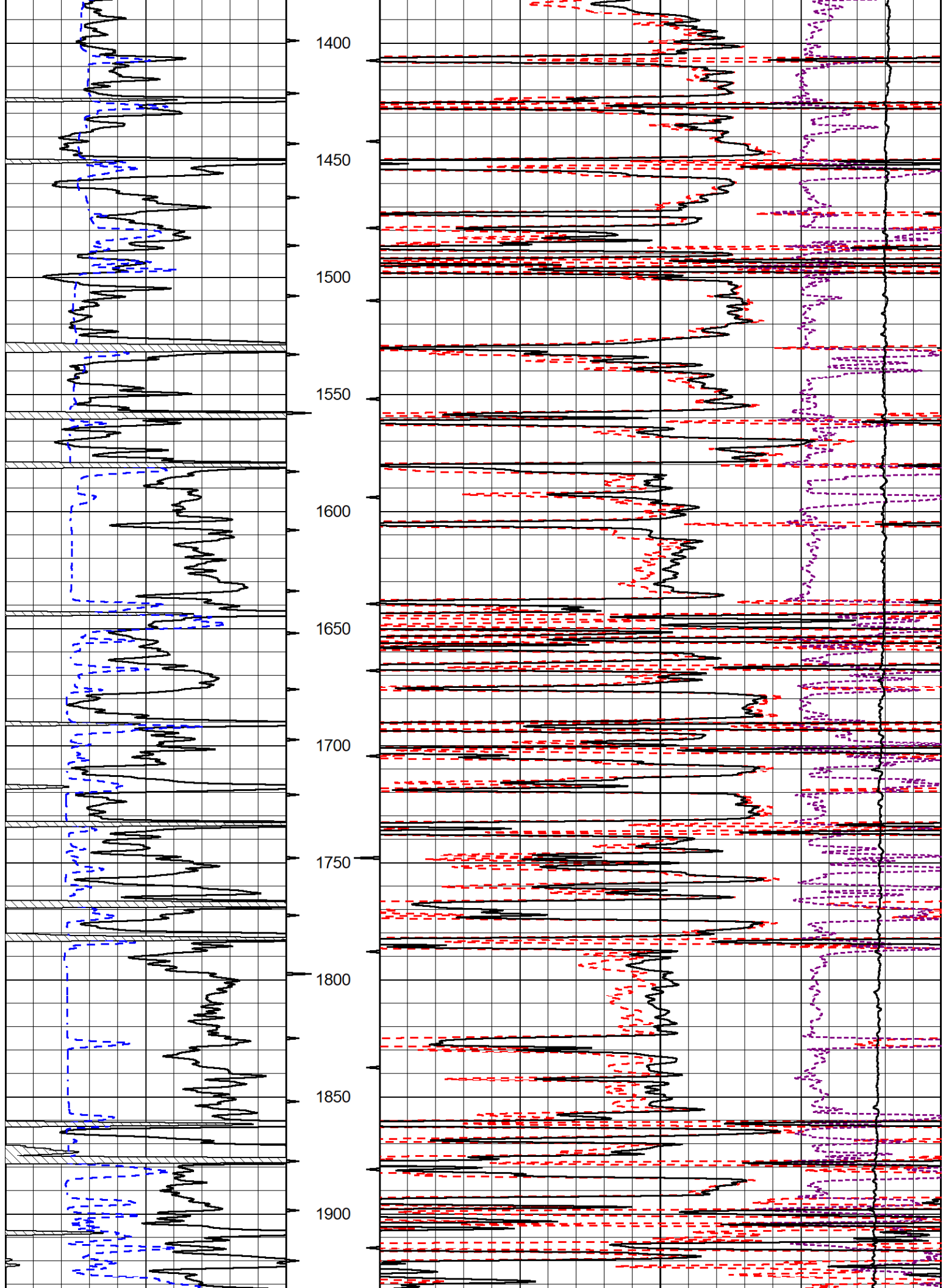
2" SCALE BULK DENSITY

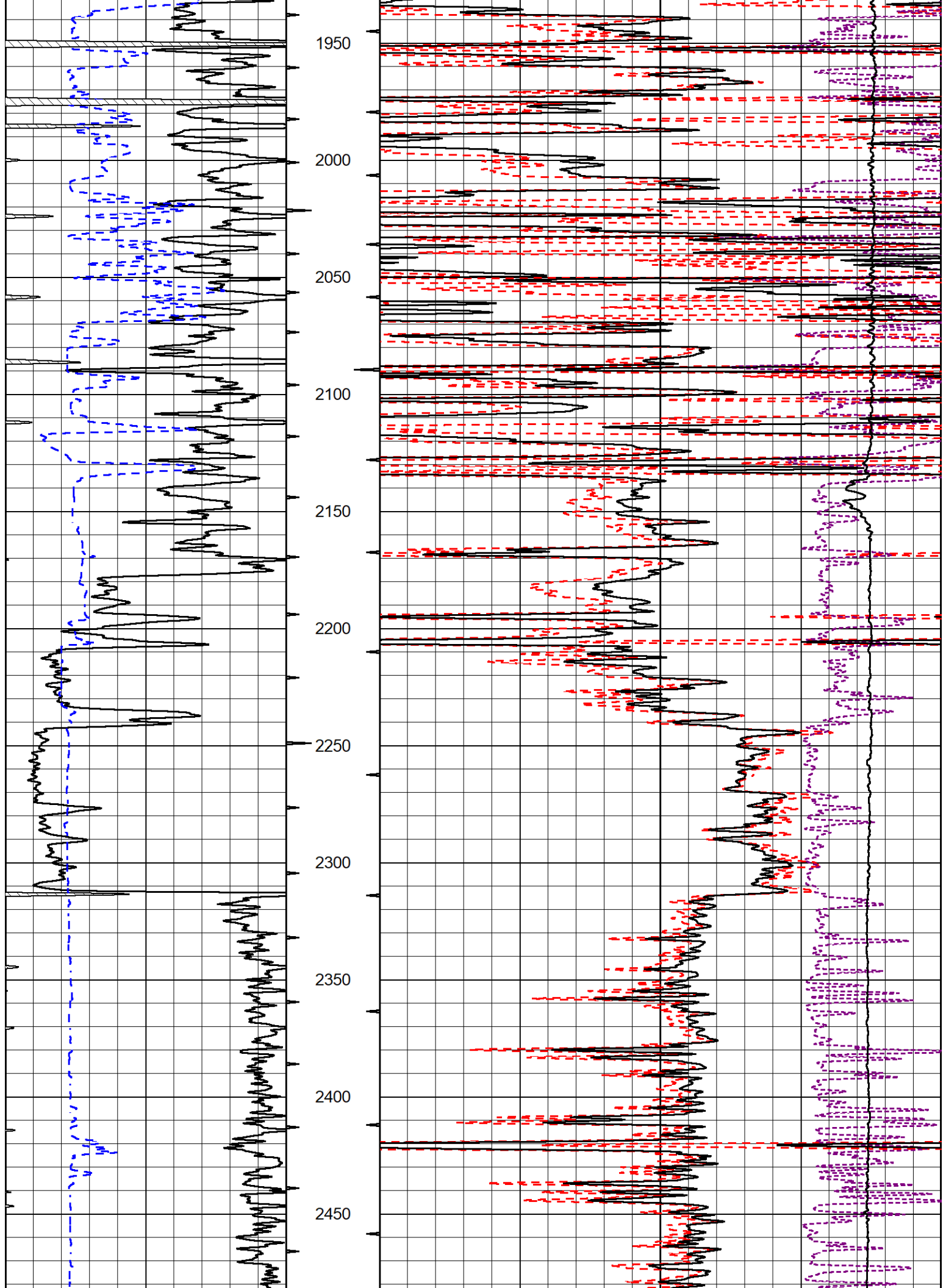
MAIN PASS

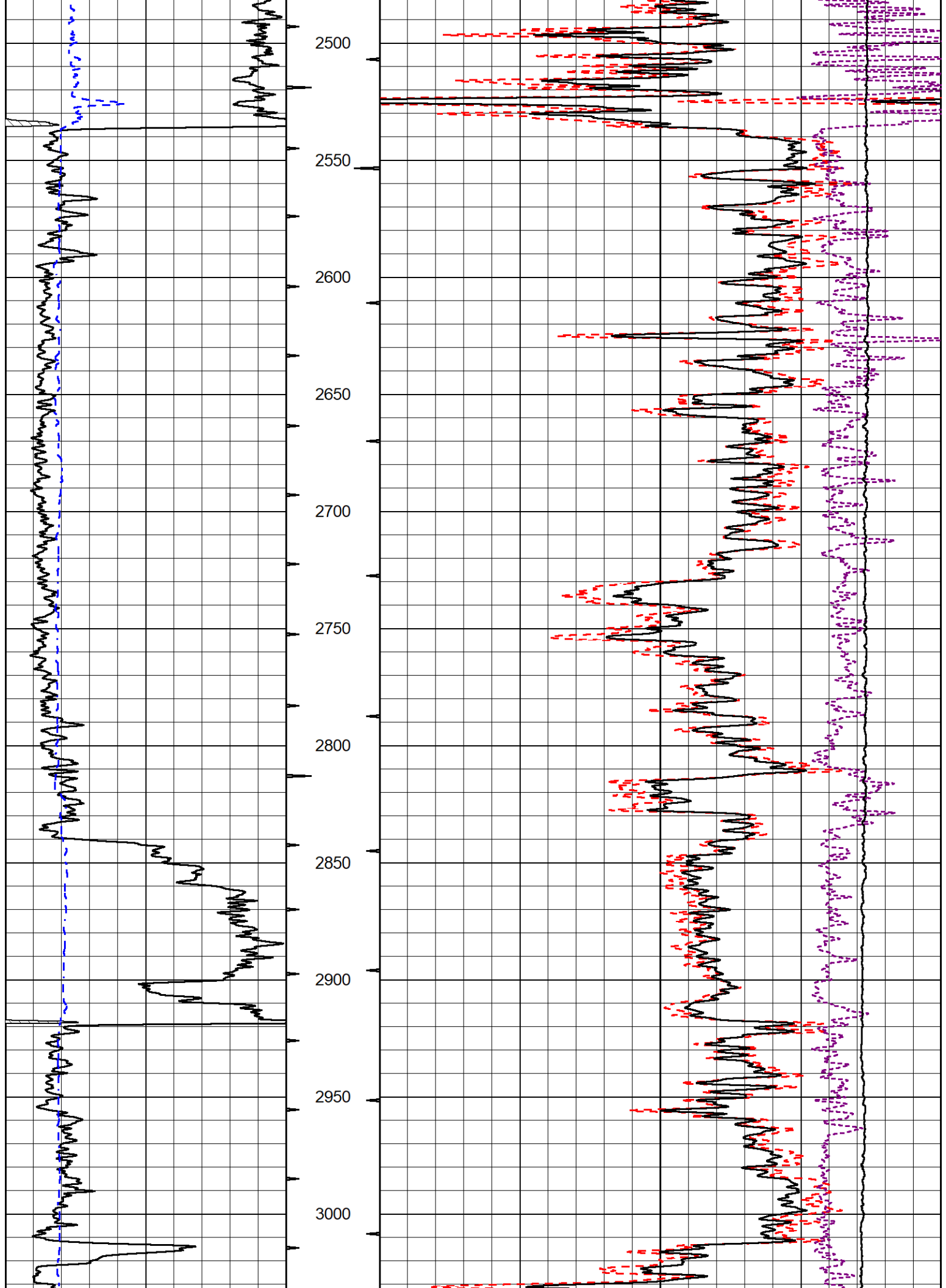
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Dataset Pathname StkMI/pass3.3
Presentation Format _cdl
Dataset Creation Thu Sep 12 11:02:32 2024
Charted by Depth in Feet scaled 1:600

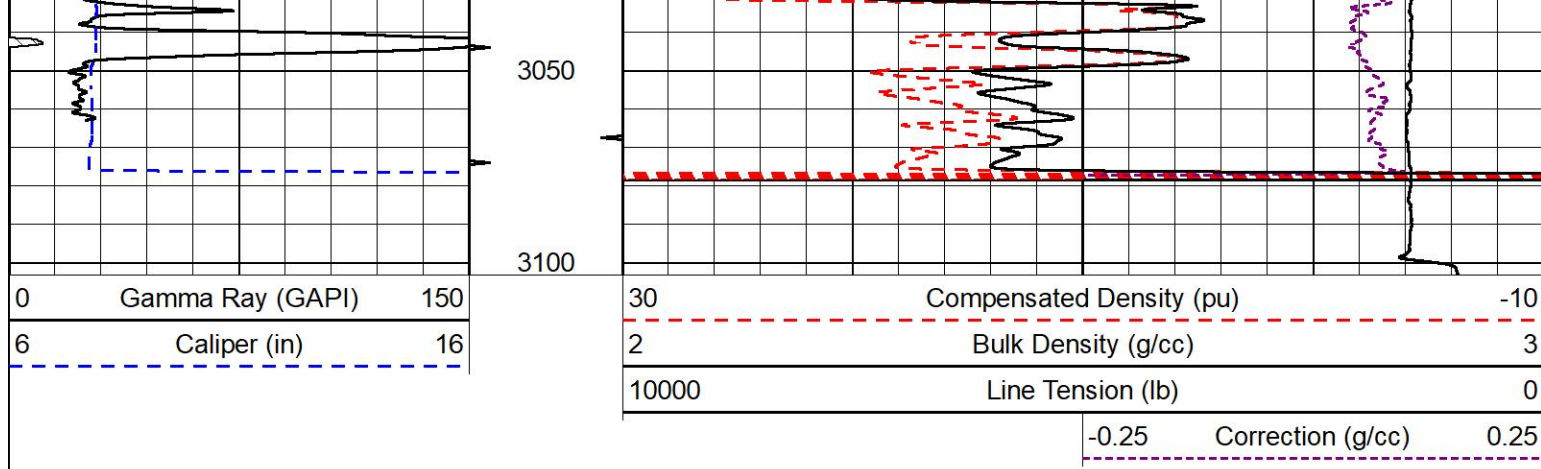
0	Gamma Ray (GAPI)	150	30	Compensated Density (pu)		-10
6	Caliper (in)	16	2	Bulk Density (g/cc)		3
			10000	Line Tension (lb)		0
				-0.25	Correction (g/cc)	0.25









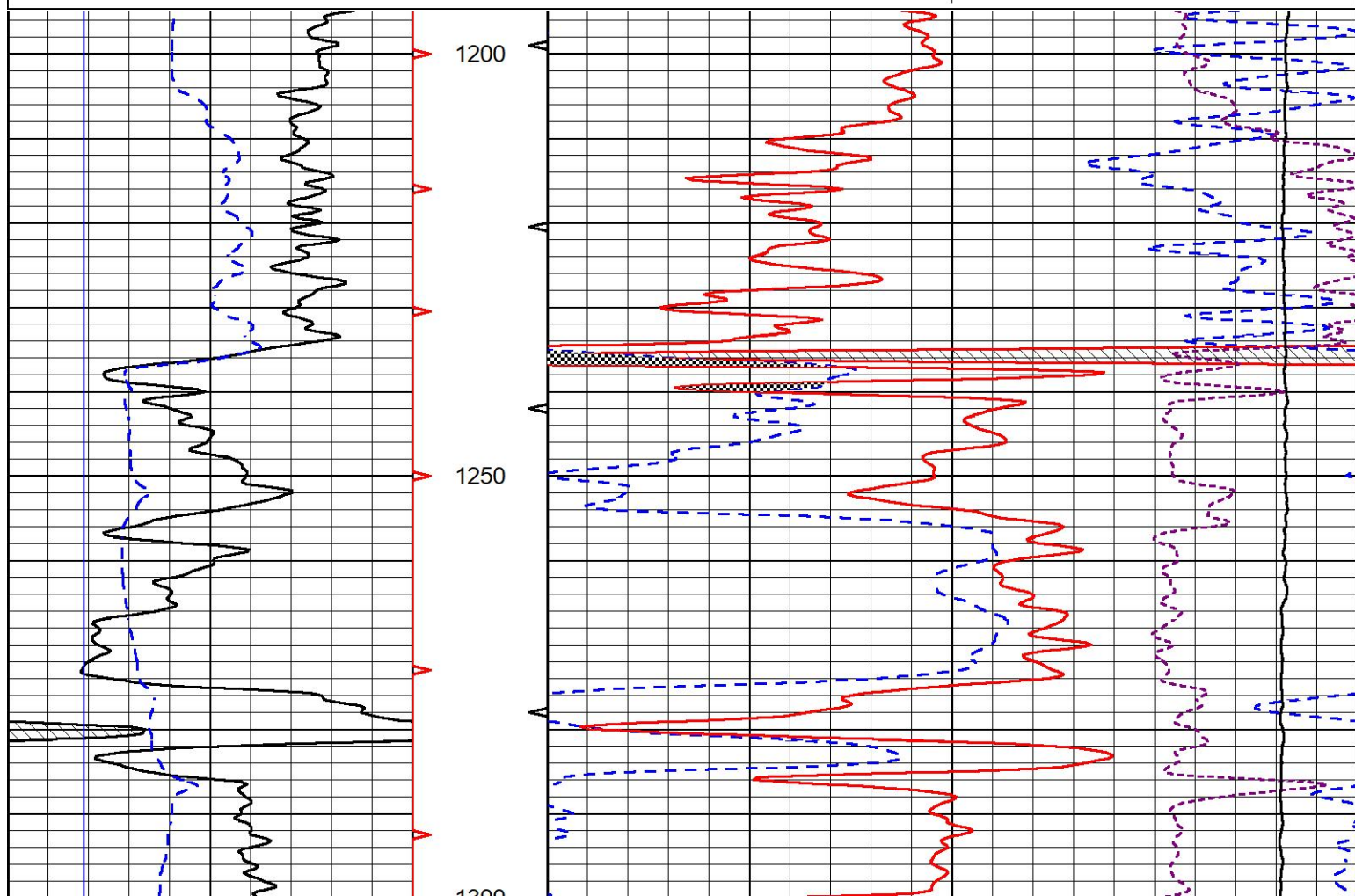
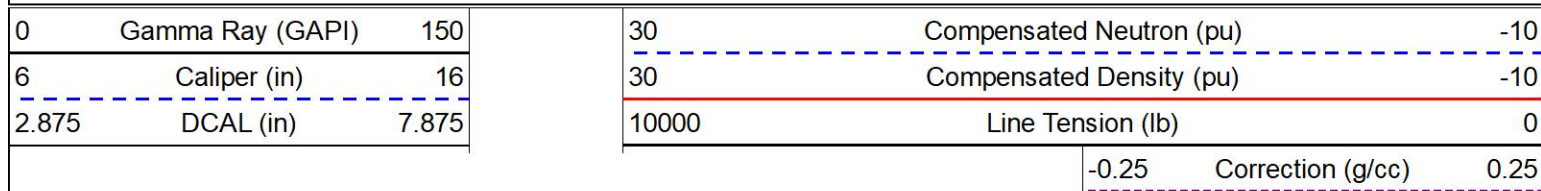


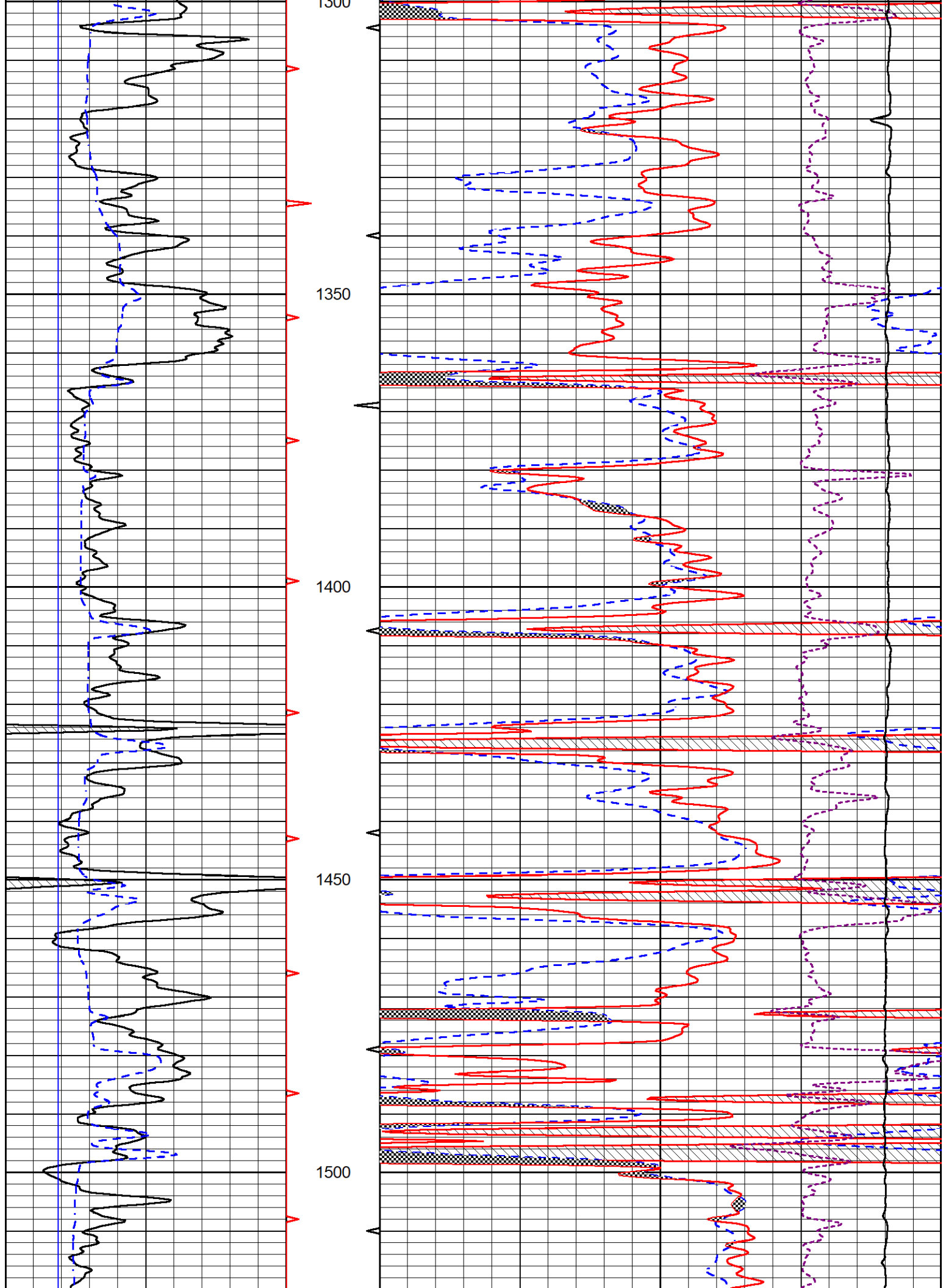
MIDWEST WIRELINE

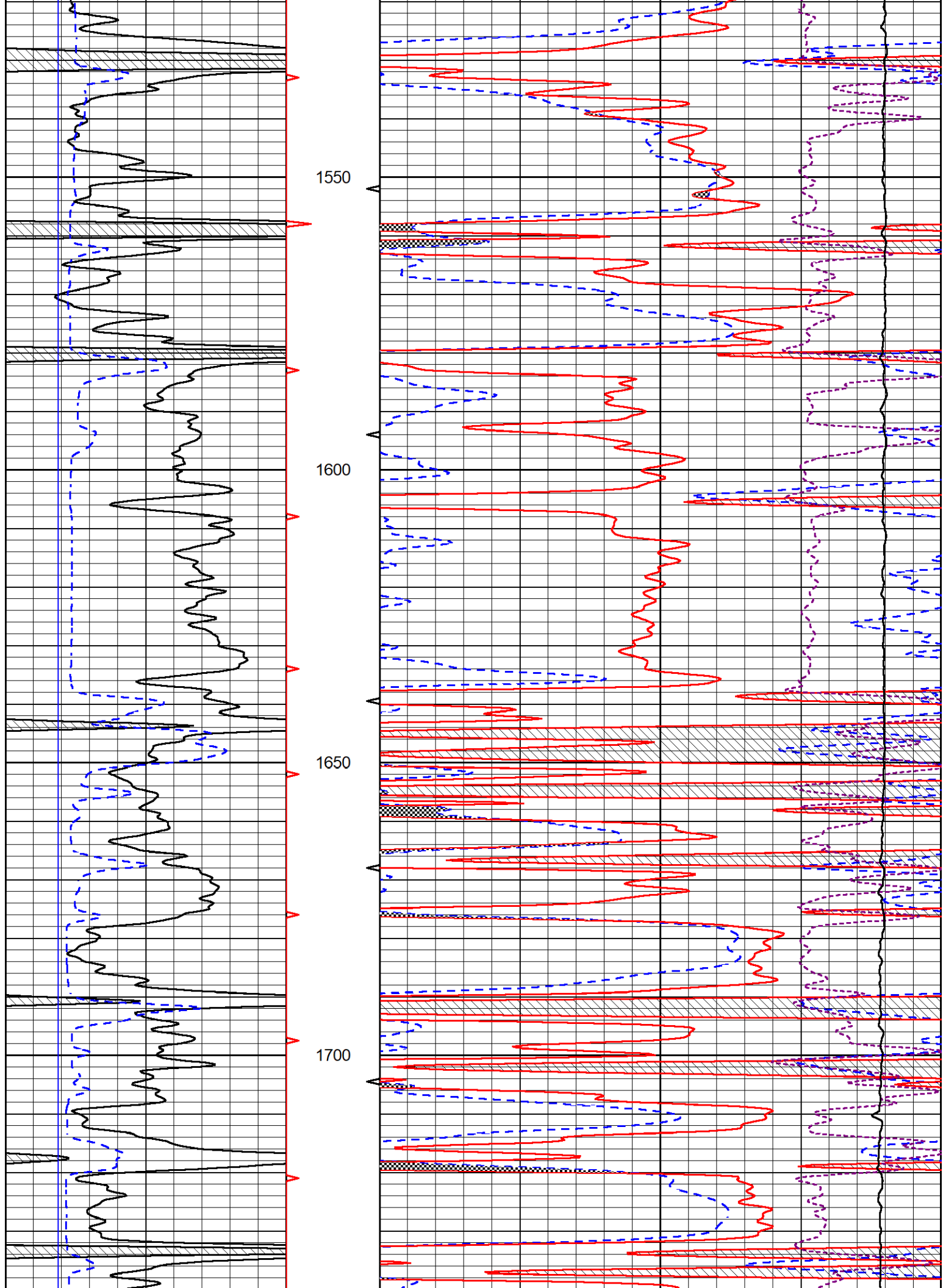
DETAIL SECTION

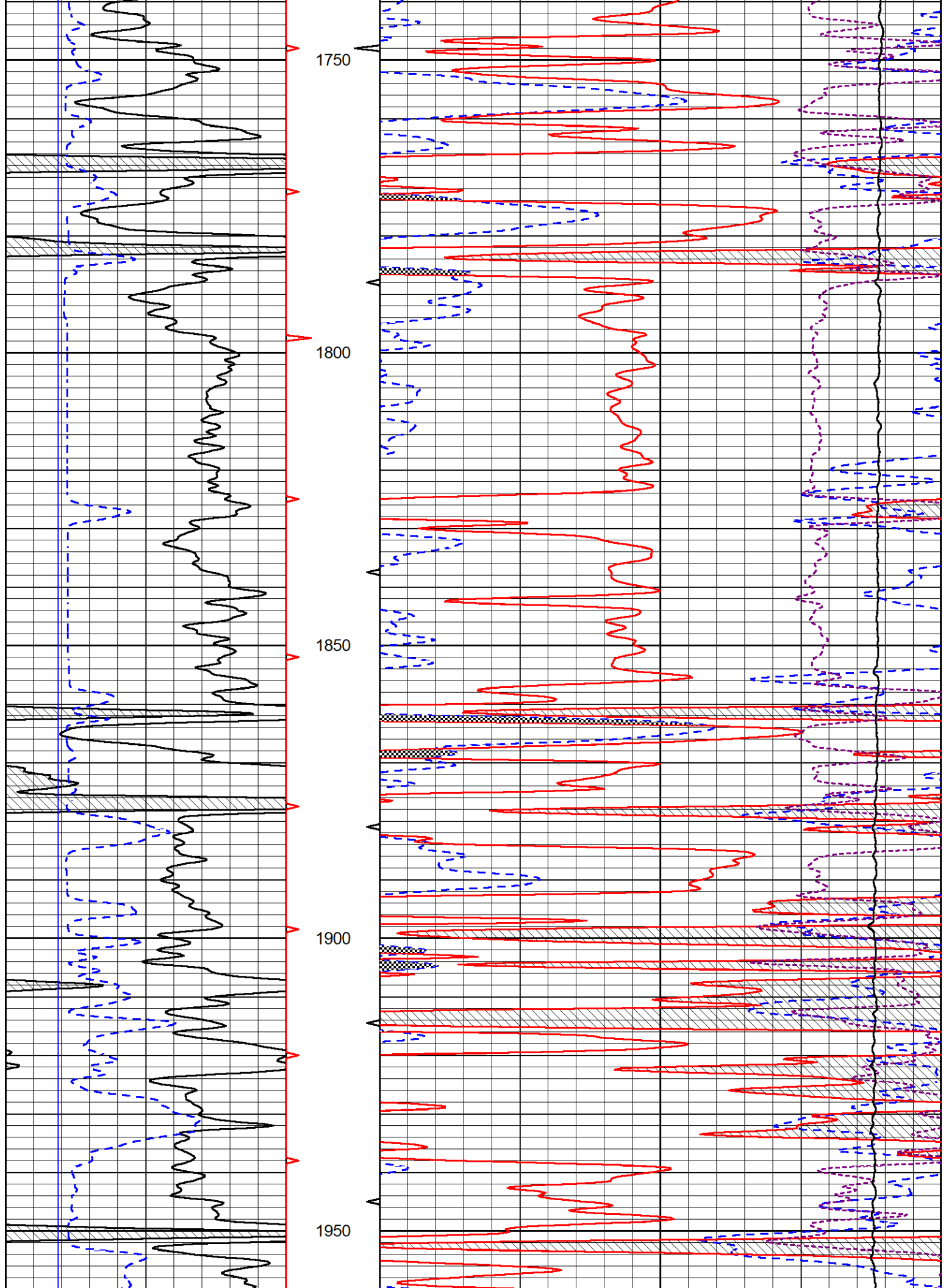
MAIN PASS

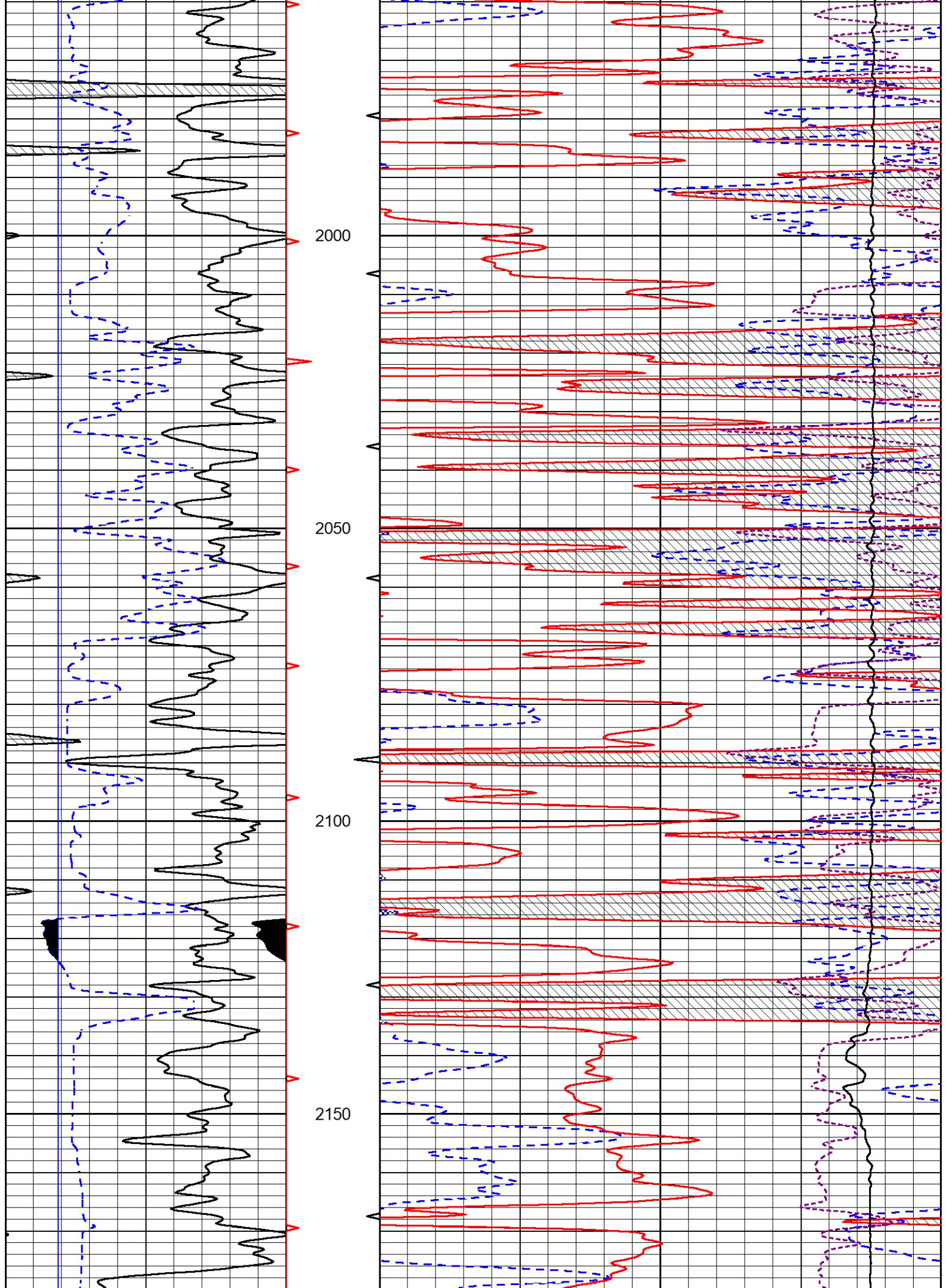
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 Dataset Pathname: StkMI/pass3.1
 Presentation Format: _CNDLS~1
 Dataset Creation: Thu Sep 12 11:31:32 2024
 Charted by: Depth in Feet scaled 1:240

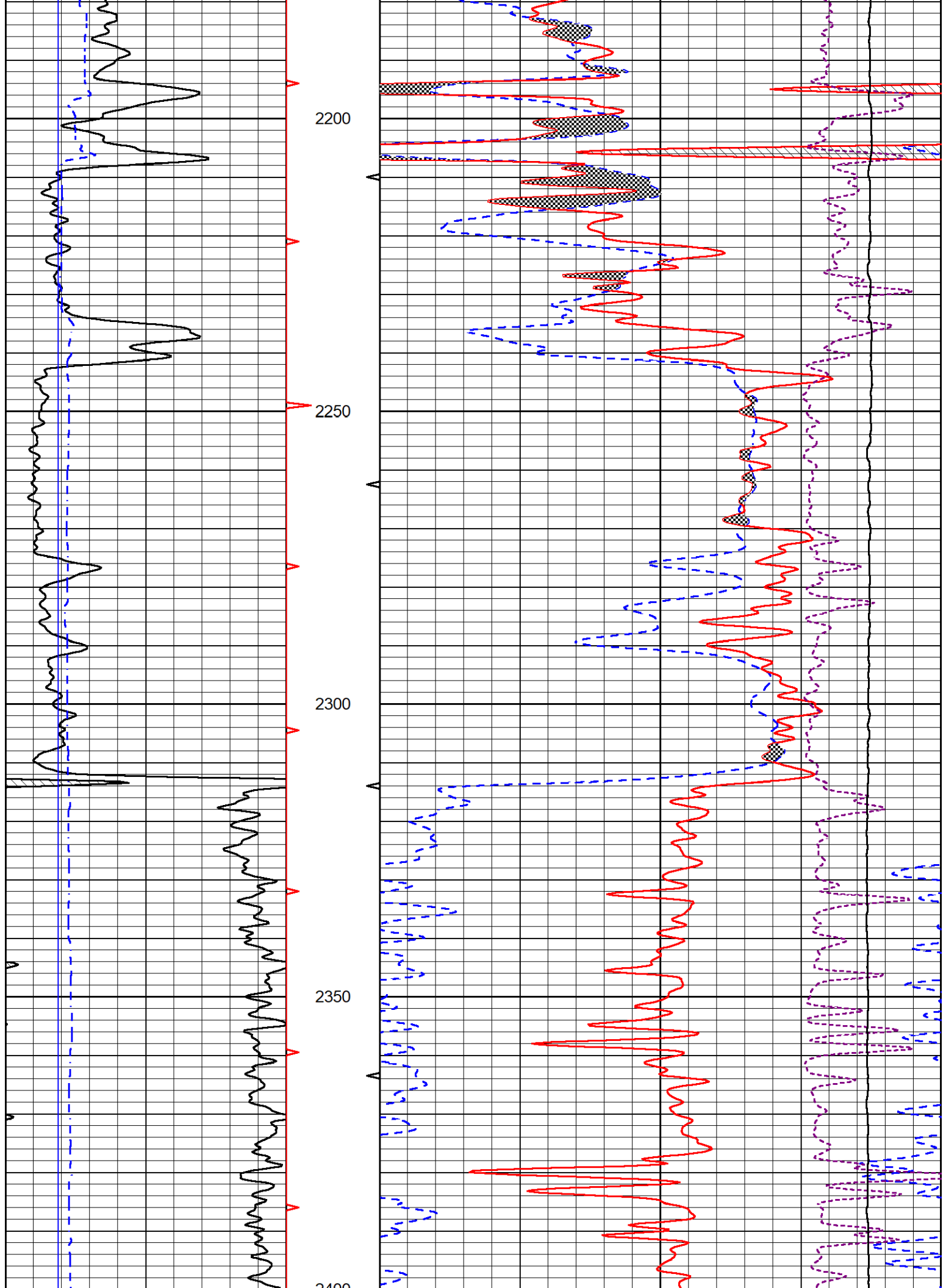


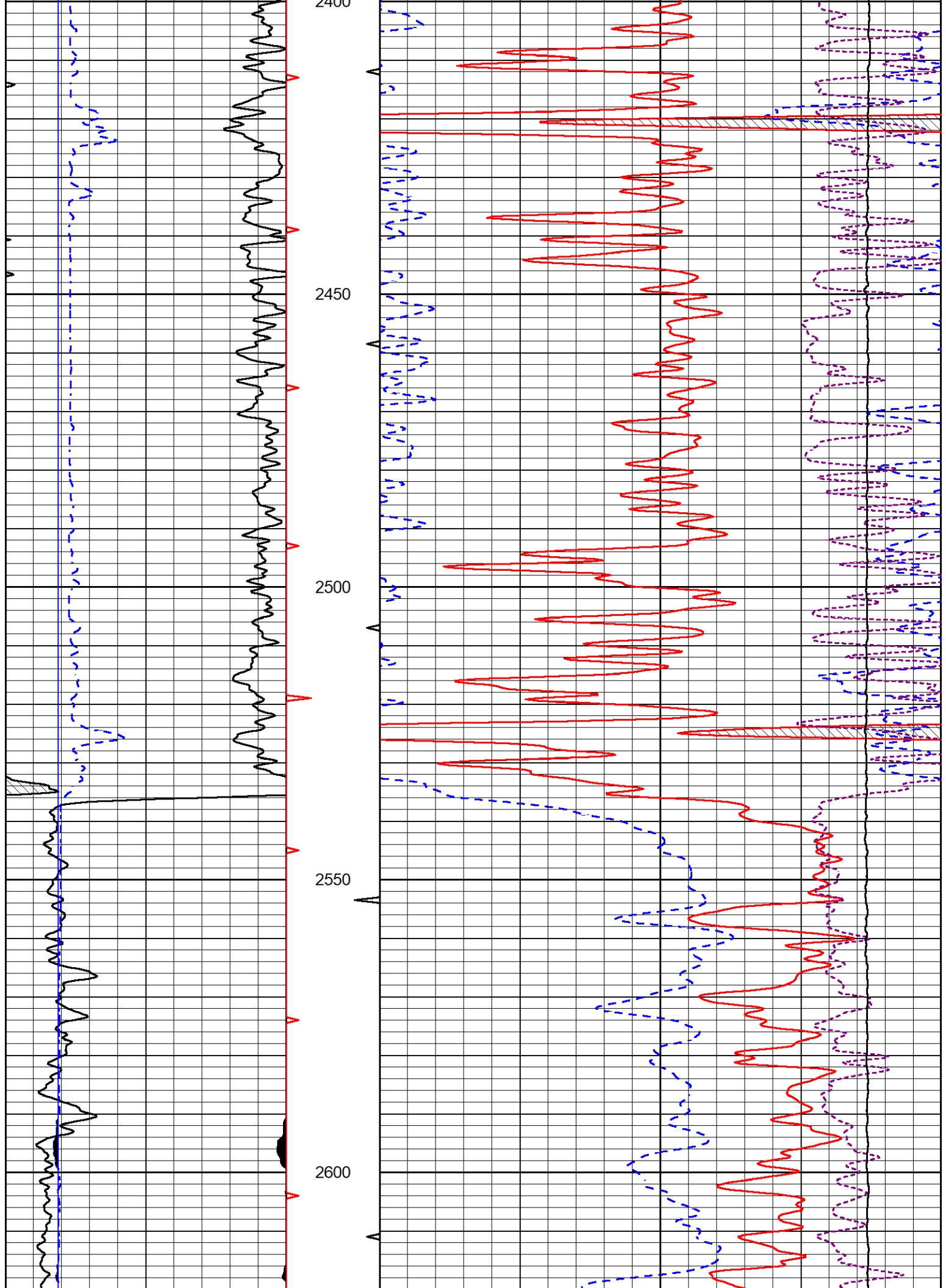


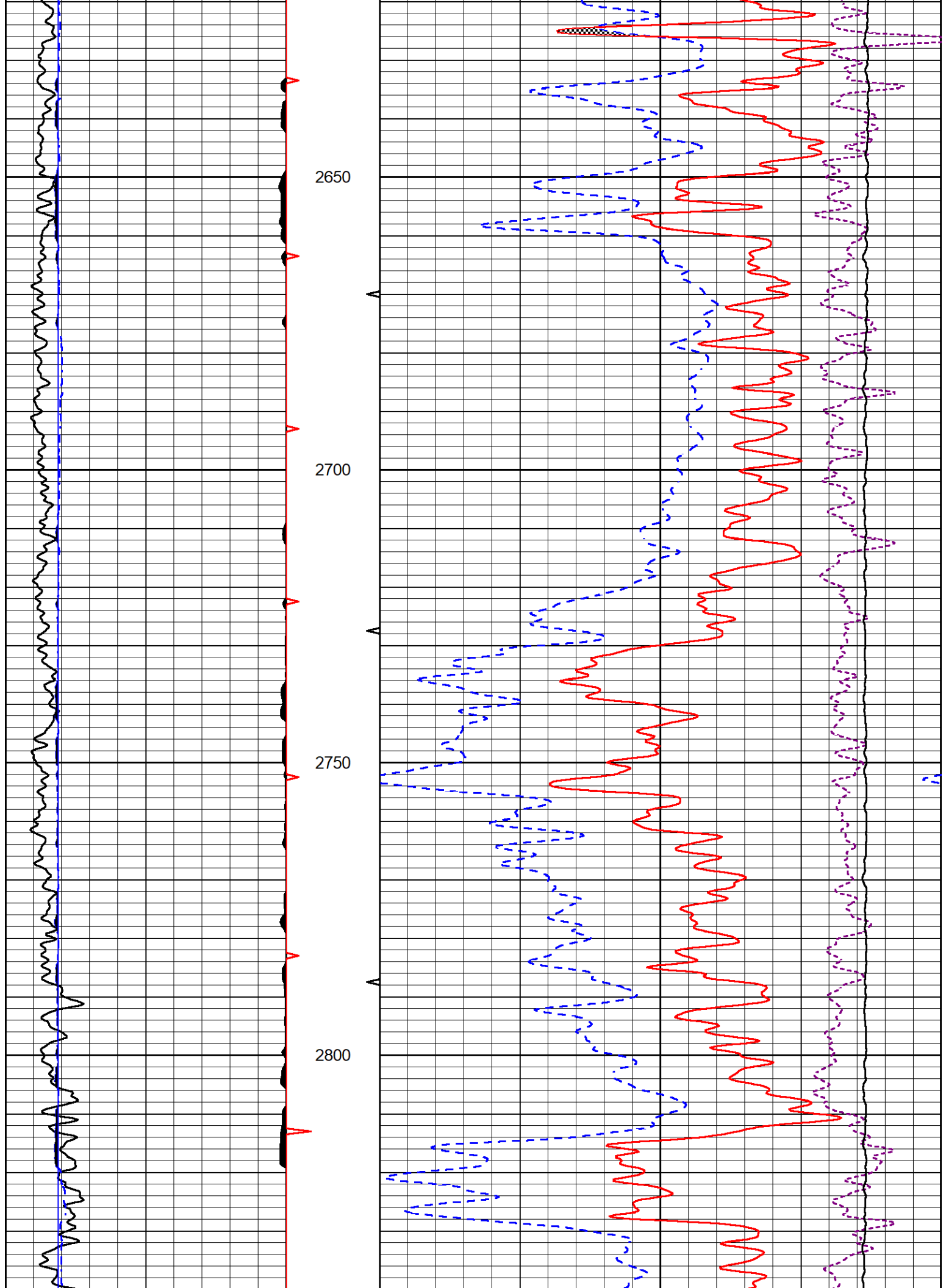


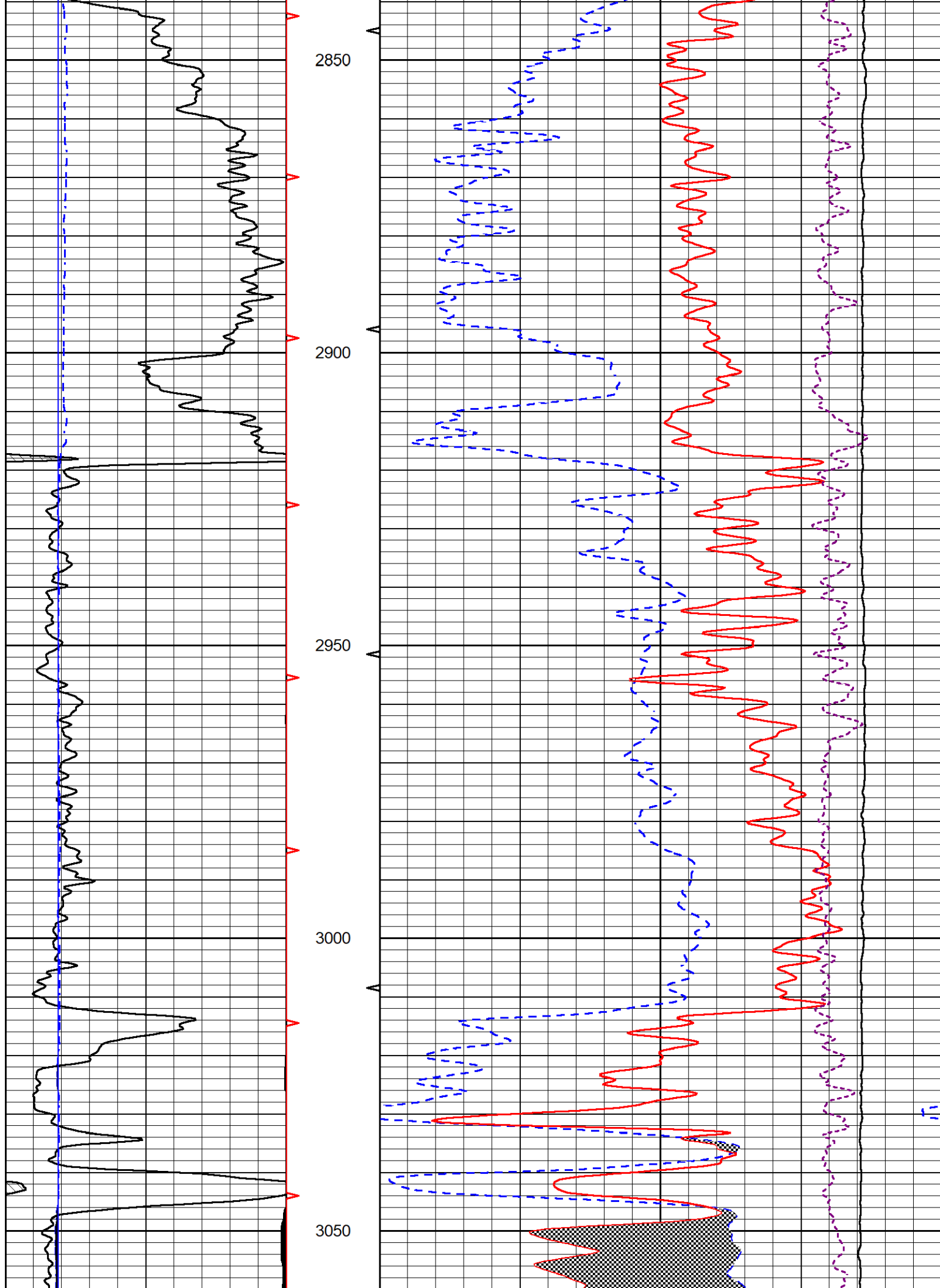


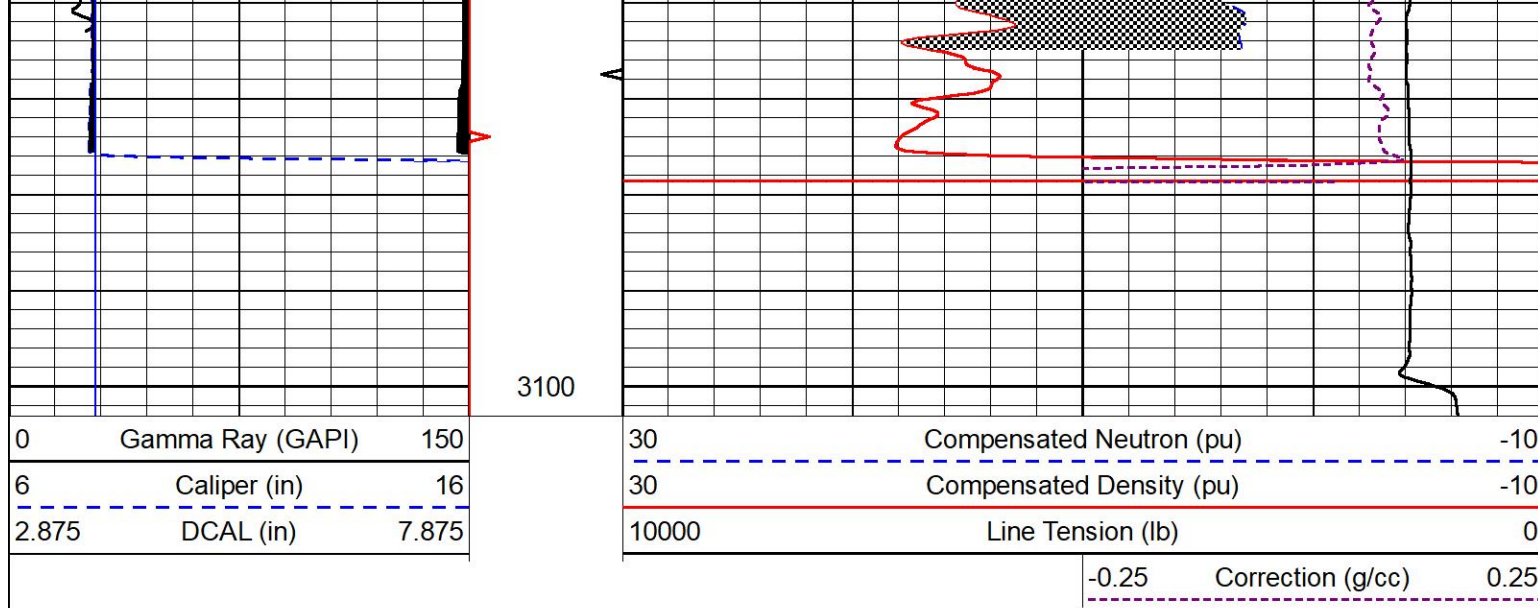










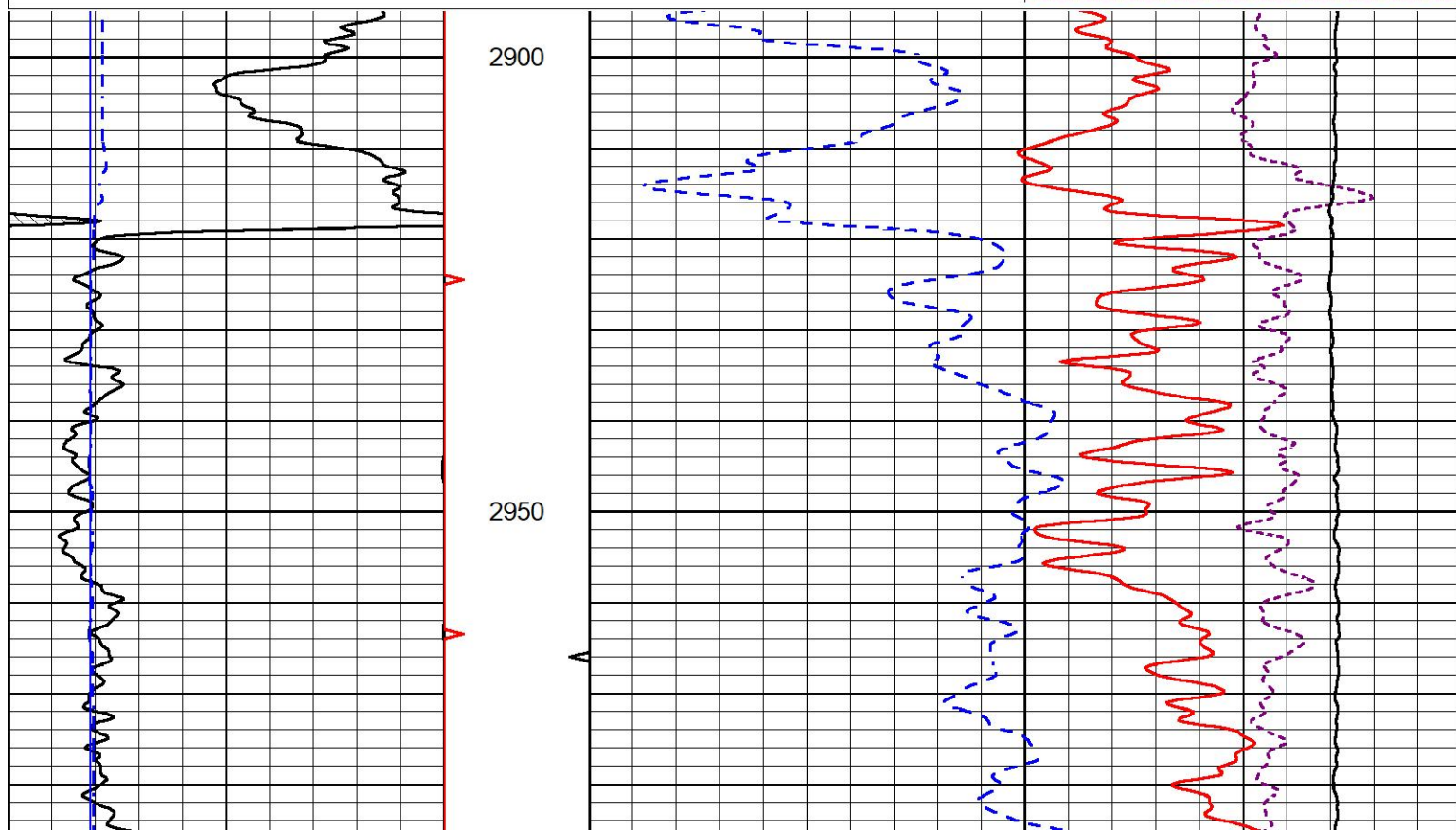
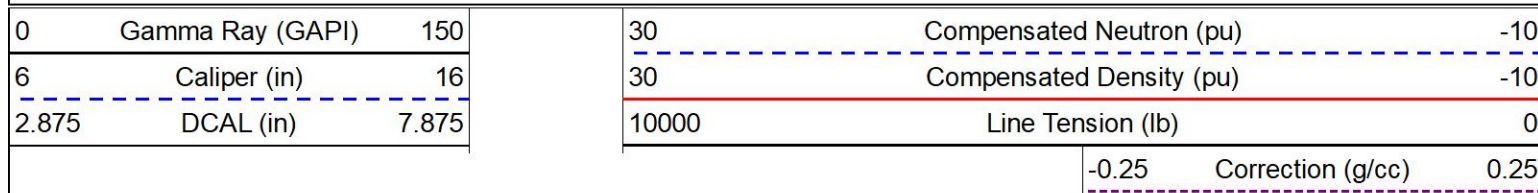


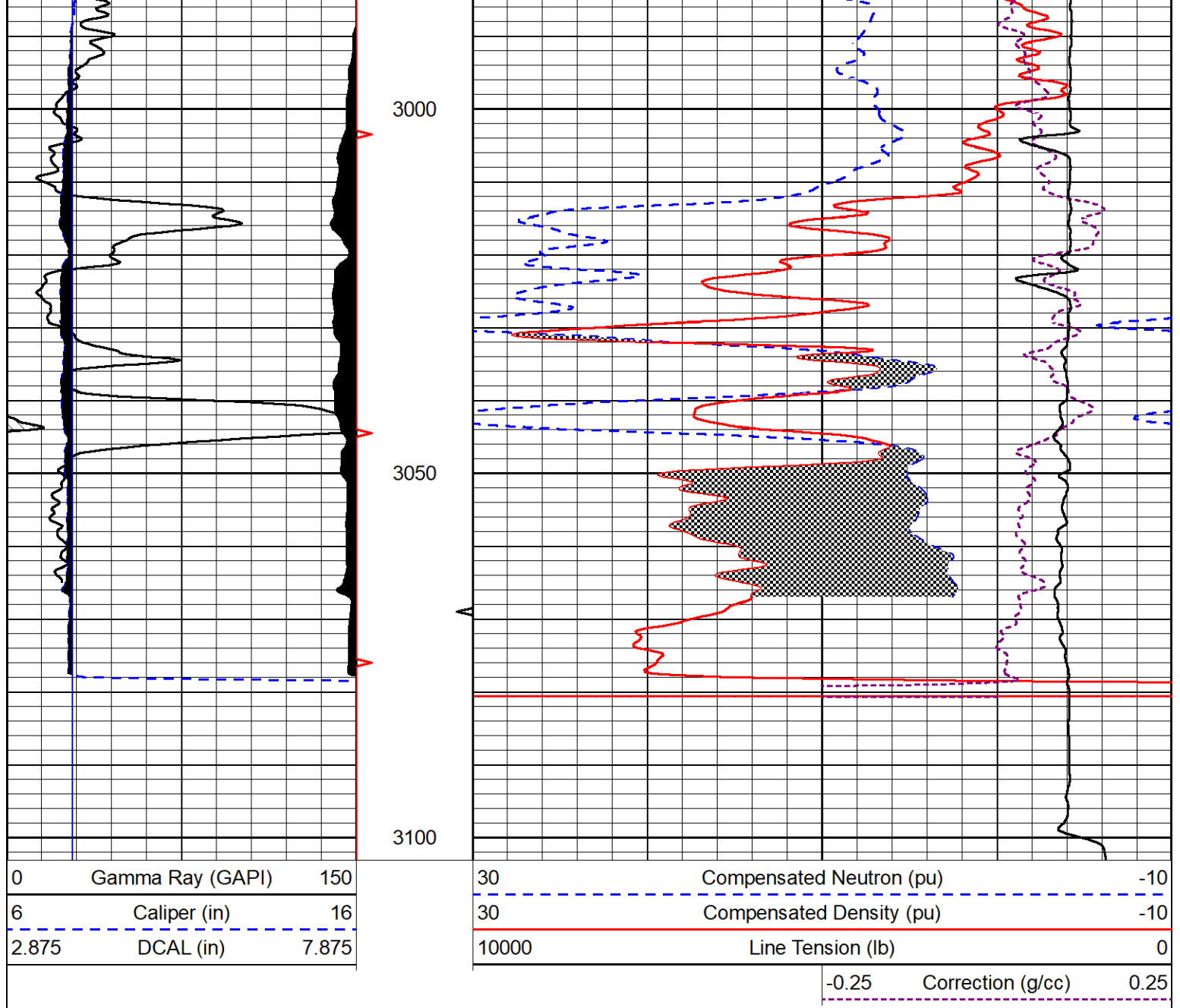
MIDWEST WIRELINE

REPEAT SECTION

REPEAT PASS

Database File castle_czirr #1.db
Dataset Pathname StkMI/pass2.1
Presentation Format _CNDLS~1
Dataset Creation Thu Sep 12 11:08:43 2024
Charted by Depth in Feet scaled 1:240





Calibration Report

Database File: castle_czirr #1.db
 Dataset Pathname: StkMI/pass3.1
 Dataset Creation: Thu Sep 12 11:31:32 2024

Dual Induction Calibration Report

Serial-Model: 507-M&W
 Surface Cal Performed:

Loop:	Readings		References			Results	
	Air	Loop	Air	Loop		m	b
Deep	68.570	638.100	0.000	255.800	mmho/m	0.500	-37.000
Medium	184.288	716.191	0.000	255.800	mmho/m	0.450	-79.000

Microlog Calibration Report

Serial-Model: 401-PSIML
 Performed: Mon Sep 25 22:02:56 2023

	Readings		References			Results	
	Zero	Cal	Zero	Cal		m	b
Normal	0.0000	1.0000	0.0000	1.0000	Ohm-m	13500.0000	0.7000
Inverse	0.0000	1.0000	0.0000	1.0000	Ohm-m	17000.0000	0.2500
Caliper	1.0052	1.0858	5.0000	16.5000	in	142.7190	-139.1700

Compensated Density Calibration Report

Serial-Model:	305-24-M&W
Source / Verifier:	77782B / 2ci
Master Calibration Performed:	Thu Sep 5 12:54:58 2024
Before Survey Verification Performed:	
After Survey Verification Performed:	

Master Calibration						
	Density		Far Detector		Near Detector	
	Magnesium	1.680 g/cc	6359.64	7565.63	cps	
	Aluminum	2.560 g/cc	1367.24	5039.74	cps	
Spine Angle = 75.20			Density/Spine Ratio = 0.553			
	Size		Reading			
	Small Ring	4.00 in	1.74			
	Large Ring	14.00 in	1.38			

Compensated Neutron Calibration Report

Serial Number:	201-M&W
Tool Model:	M&W

CALIBRATION						
Detector		Readings		Target		Normalization
Short Space		6240.00	cps	1000.00	cps	1.6025
Long Space		460.00	cps	1000.00	cps	1.9500

PRE-SURVEY VERIFICATION				
	Detector	Readings	Measured	Target
1)	Short Space	cps	pu	pu
	Long Space	cps		
2)	Short Space	cps	pu	
	Long Space	cps		
3)	Short Space	cps	pu	
	Long Space	cps		

POST-SURVEY VERIFICATION					
	Detector	Readings	Measured	Target	
1)	Short Space	cps	pu	pu	
	Long Space	cps			
2)	Short Space	cps	pu	pu	
	Long Space	cps			
3)	Short Space	cps	pu	pu	
	Long Space	cps			

Gamma Ray Calibration Report

Serial Number:	105	
Tool Model:	M&W	
Performed:	Mon Aug 7 20:46:01 2023	
Calibrator Value:	500.0	GAPI
Background Reading:	24.0	cps
Calibrator Reading:	637.0	cps
Sensitivity:	0.6000	GAPI/cps



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State	Kansas