



DUAL COMPENSATED POROSITY

MIDWEST WIRELINE

Company Castle Resources, Inc
Well Herl #5
Field Wheatland SW
County Ellis
State Kansas

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County Ellis State Kansas

Location: API #: 15-051-27141-00-00

Other Services

SE NW SW NE
1845 FNL & 2135 FEL
SEC 24 TWP 15S RGE 18W

DIL
MEL/BHCS

Permanent Datum Ground Level Elevation 1991
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

K.B. 2002
D.F.
G.L. 1991

Date 5/19/2026

Run Number One

Type Log CNL/CDL

Depth Driller 3922

Depth Logger 3921

Bottom Logged Interval 3900

Top Logged Interval 2900

Type Fluid In Hole Chemical

Salinity, PPM CL 16500

Density 9.6

Level Full

Max. Rec. Temp. F 114

Operating Rig Time 4 Hours

Equipment -- Location P-24 Hays

Recorded By T. Martin

Witnessed By Jerry Green

Witnessed By Jerry Green

Borehole Record

Casing Record

Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	223	8.625	23	00	223
Two	7.875	223	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.

Hays, KS, S to Chetolah Gold Rd, 3 E, 1/4 S, 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_herl #5.db
Dataset field/well/Stack/pass3.1/_vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in	degF	in	in	g/cc	2	g/cc
	7.875	114	5.5	0	1		2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	No	mmho/m	mmho/m	mV	degF	Off	ft
		4	-3.5	160	60		3921

Variable Description

A : Cement Factor (a)
BOREID : Borehole I.D.
BOTTEMP : Bottom Hole Temperature
CASEOD : Casing O.D.
CASETHCK : Casing Thickness
FLUIDDEN : Fluid Density
M : Cement Exp (m)
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

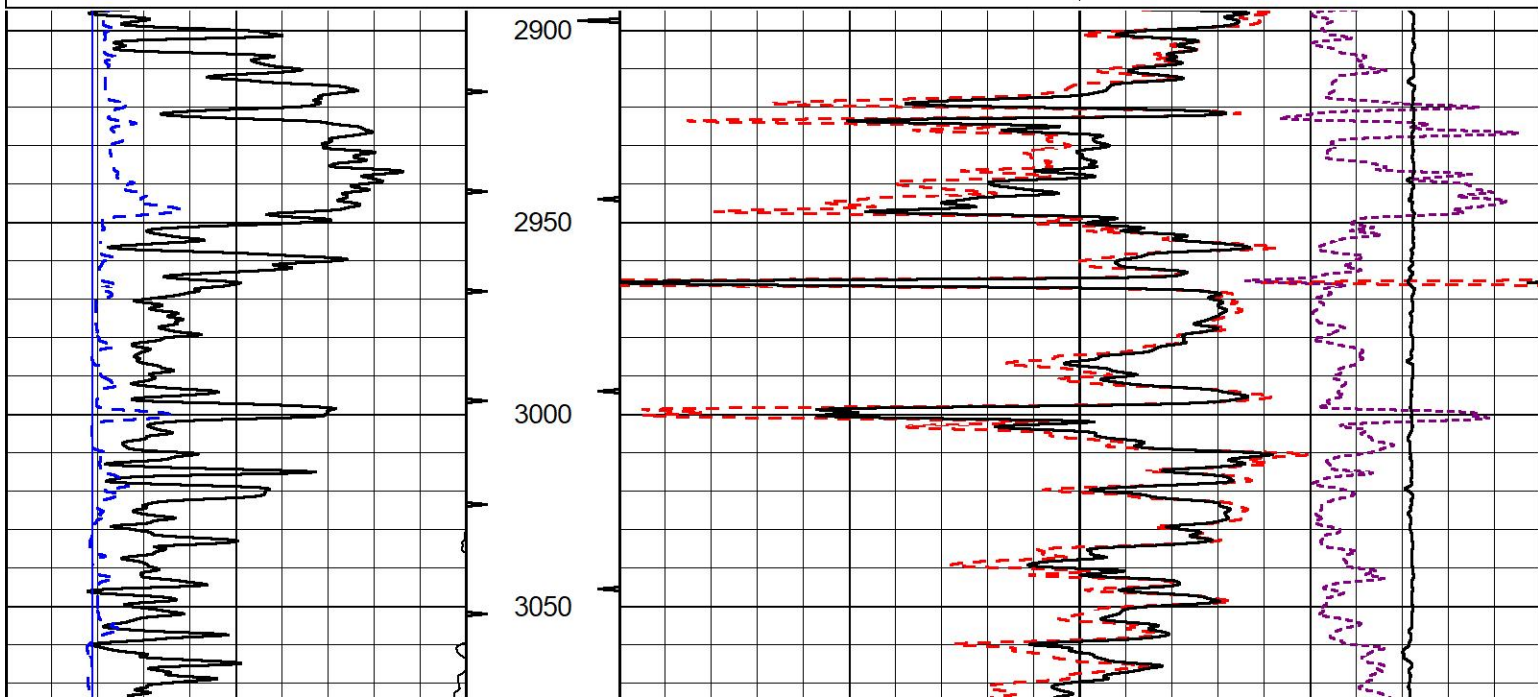


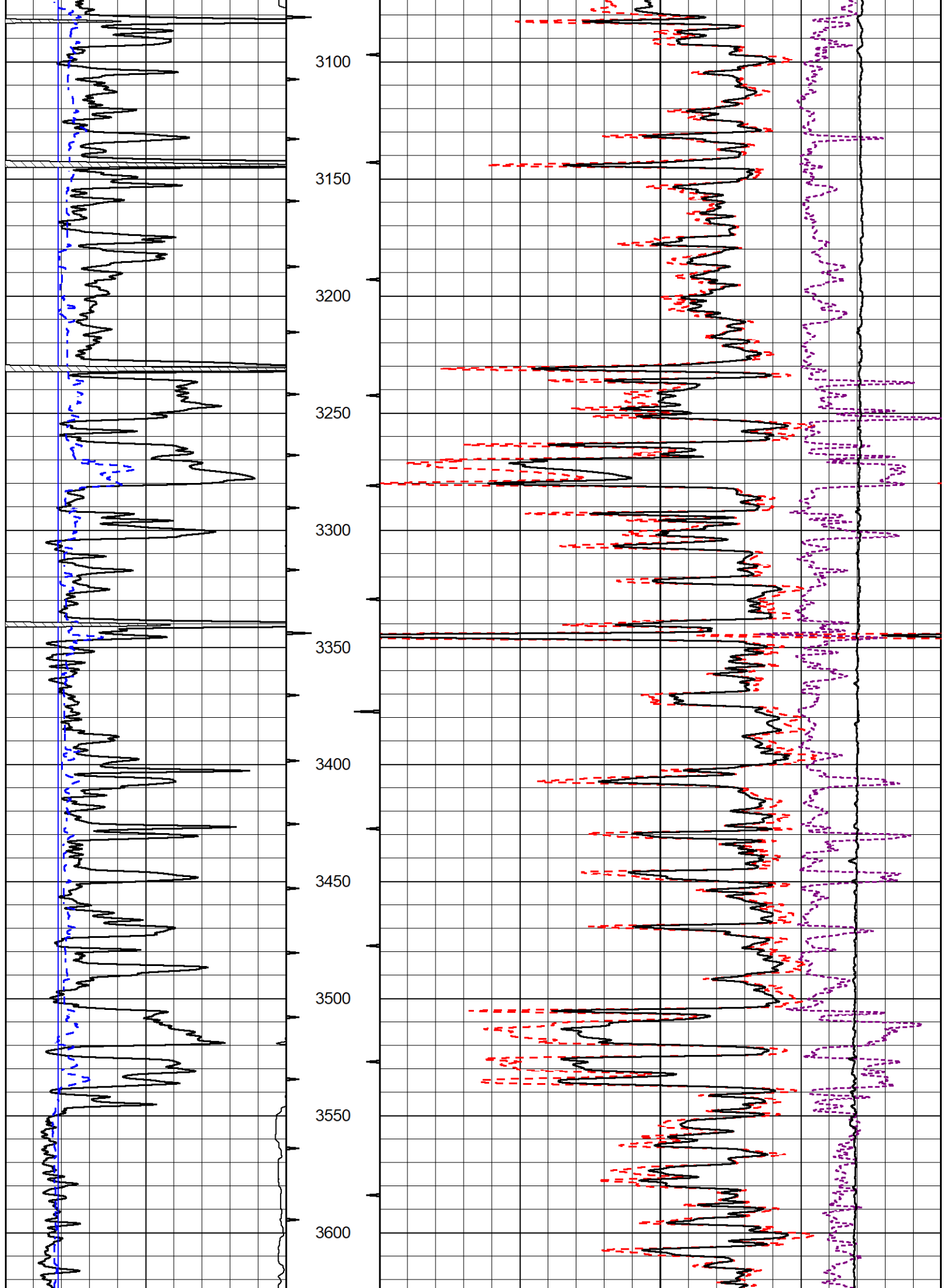
2" SCALE BULK DENSITY

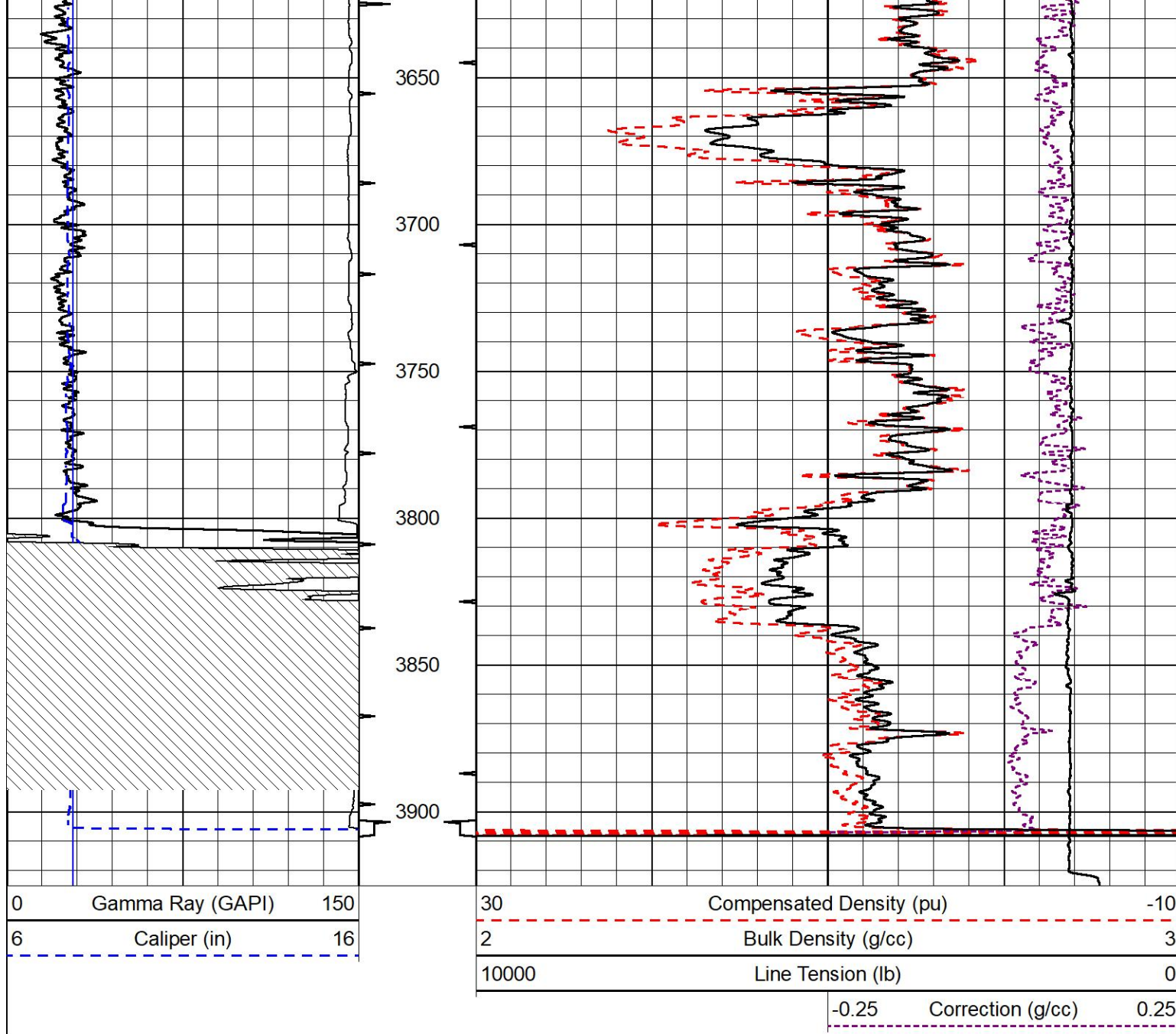
MAIN PASS

Database File castle_herl #5.db
Dataset Pathname Stack/pass3.3
Presentation Format _cdl
Dataset Creation Tue May 19 12:38:30 2026
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



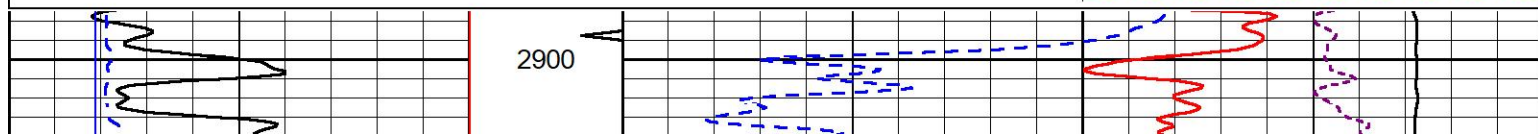
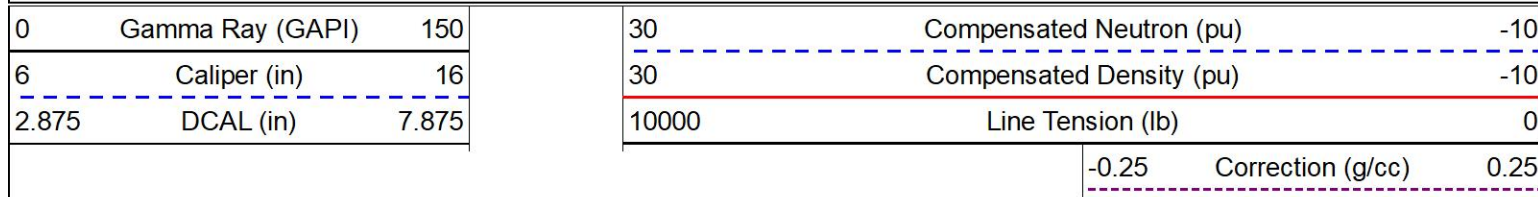


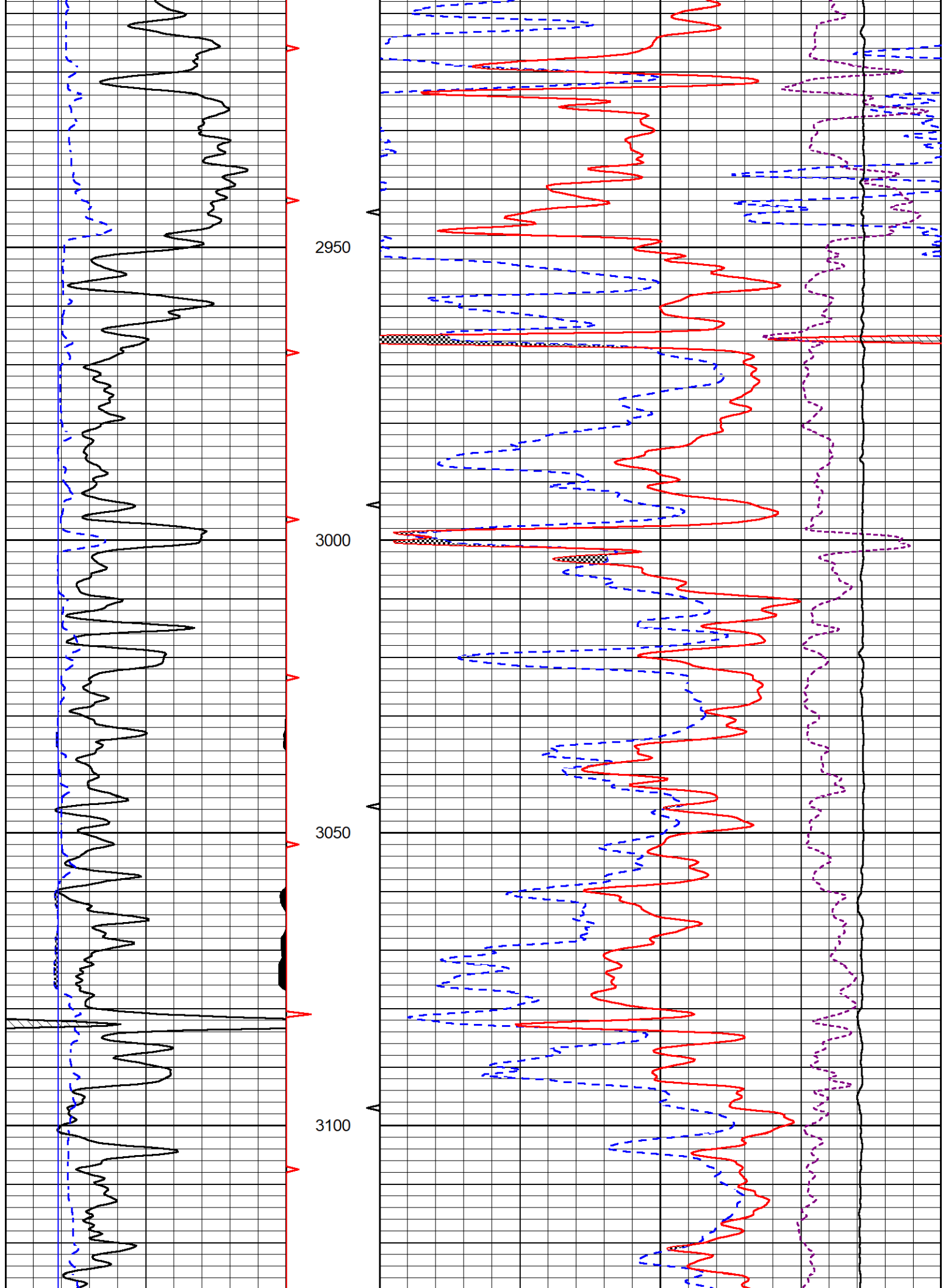


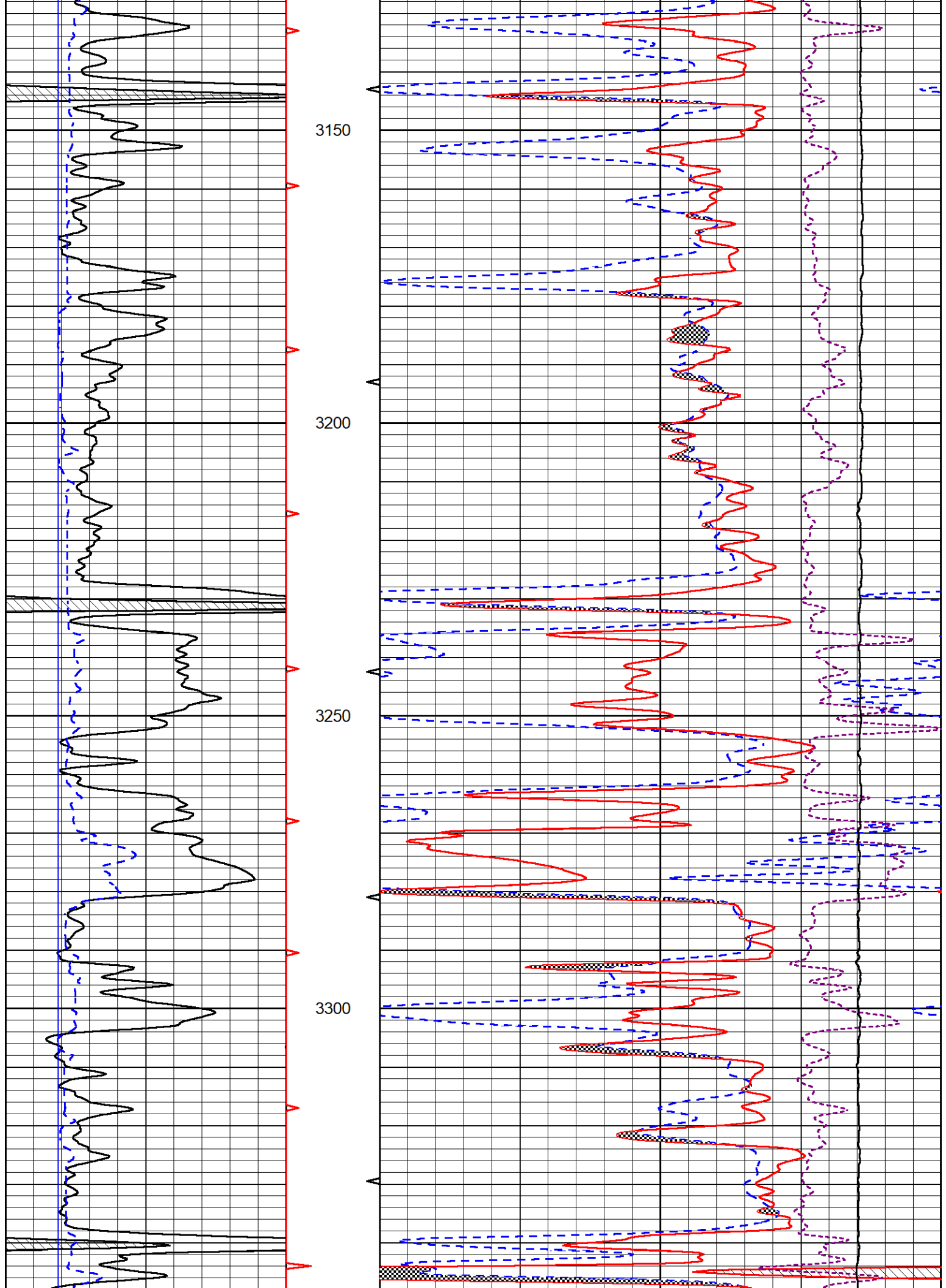
DETAIL SECTION

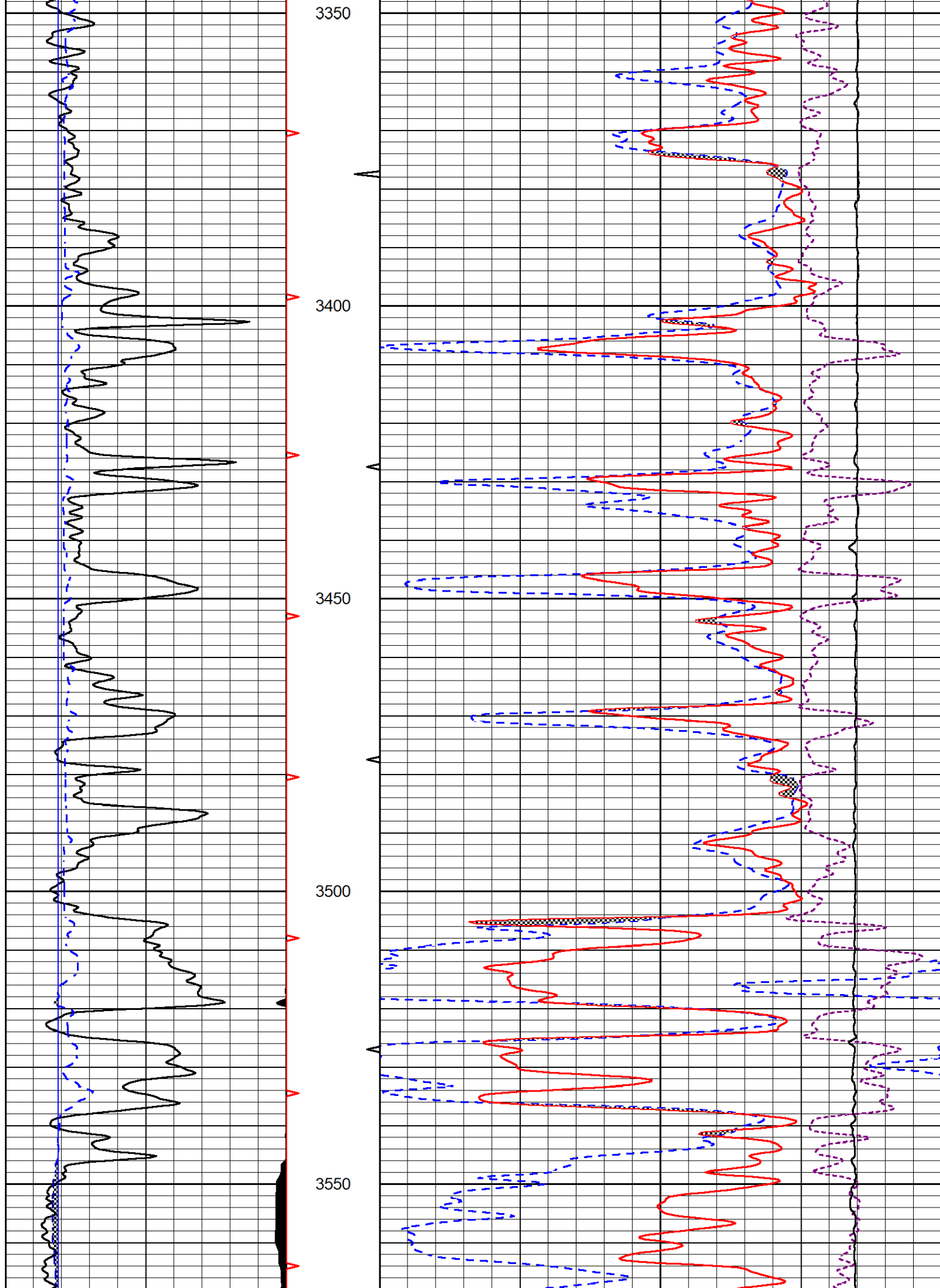
MAIN PASS

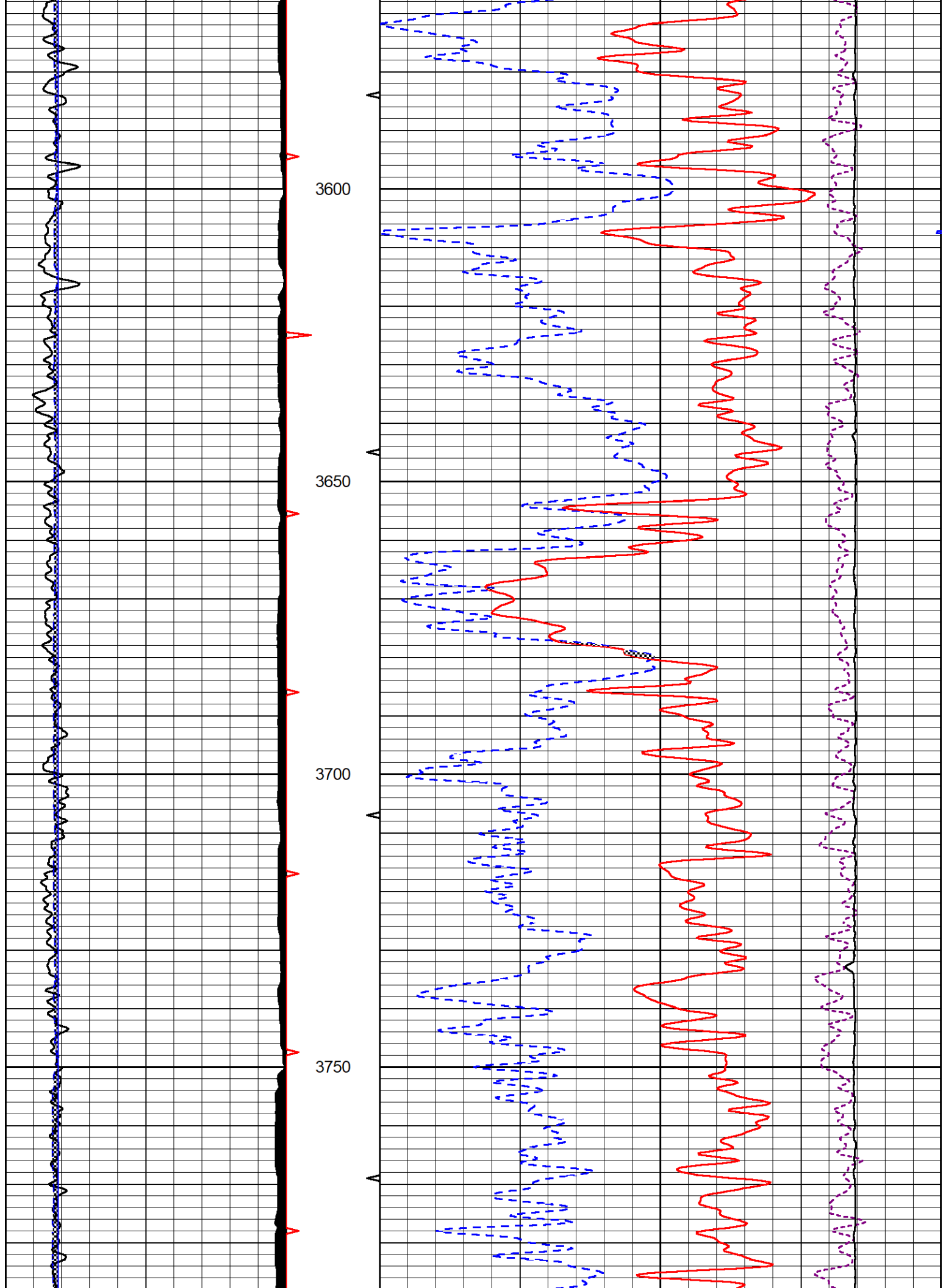
Database File castle_herl #5.db
 Dataset Pathname Stack/pass3.1
 Presentation Format _CNDLS~1
 Dataset Creation Tue May 19 13:11:09 2026
 Charted by Depth in Feet scaled 1:240

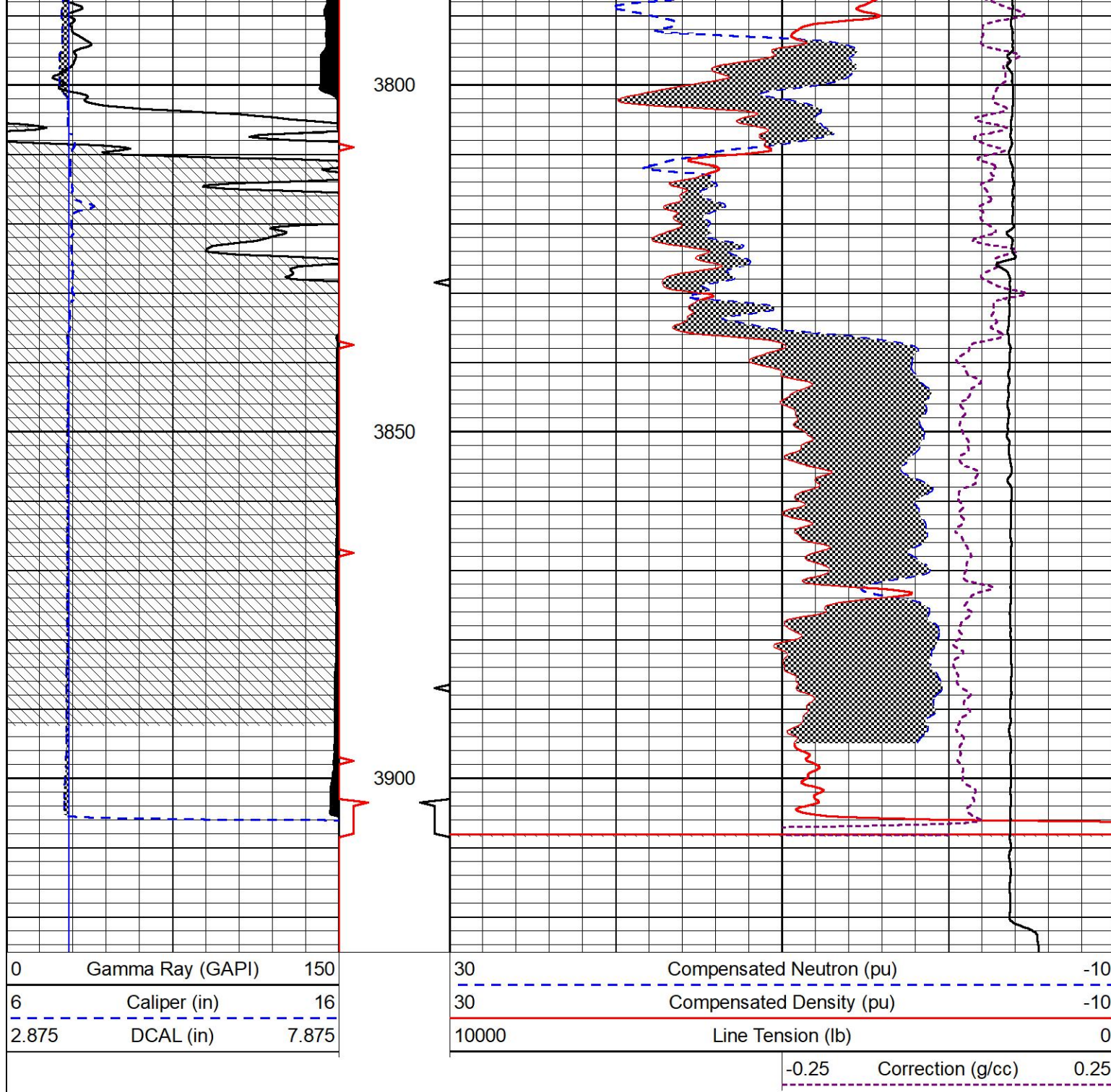










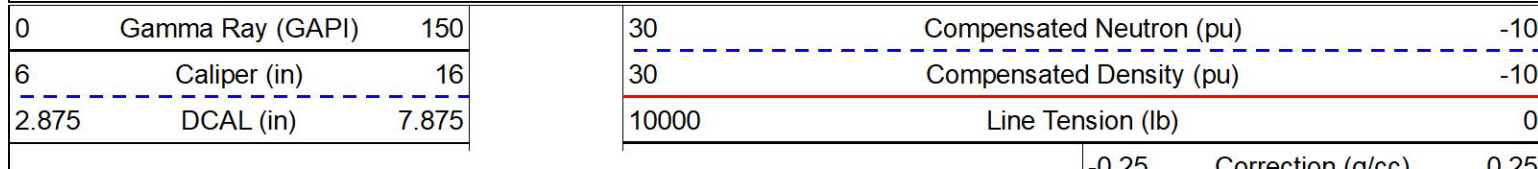


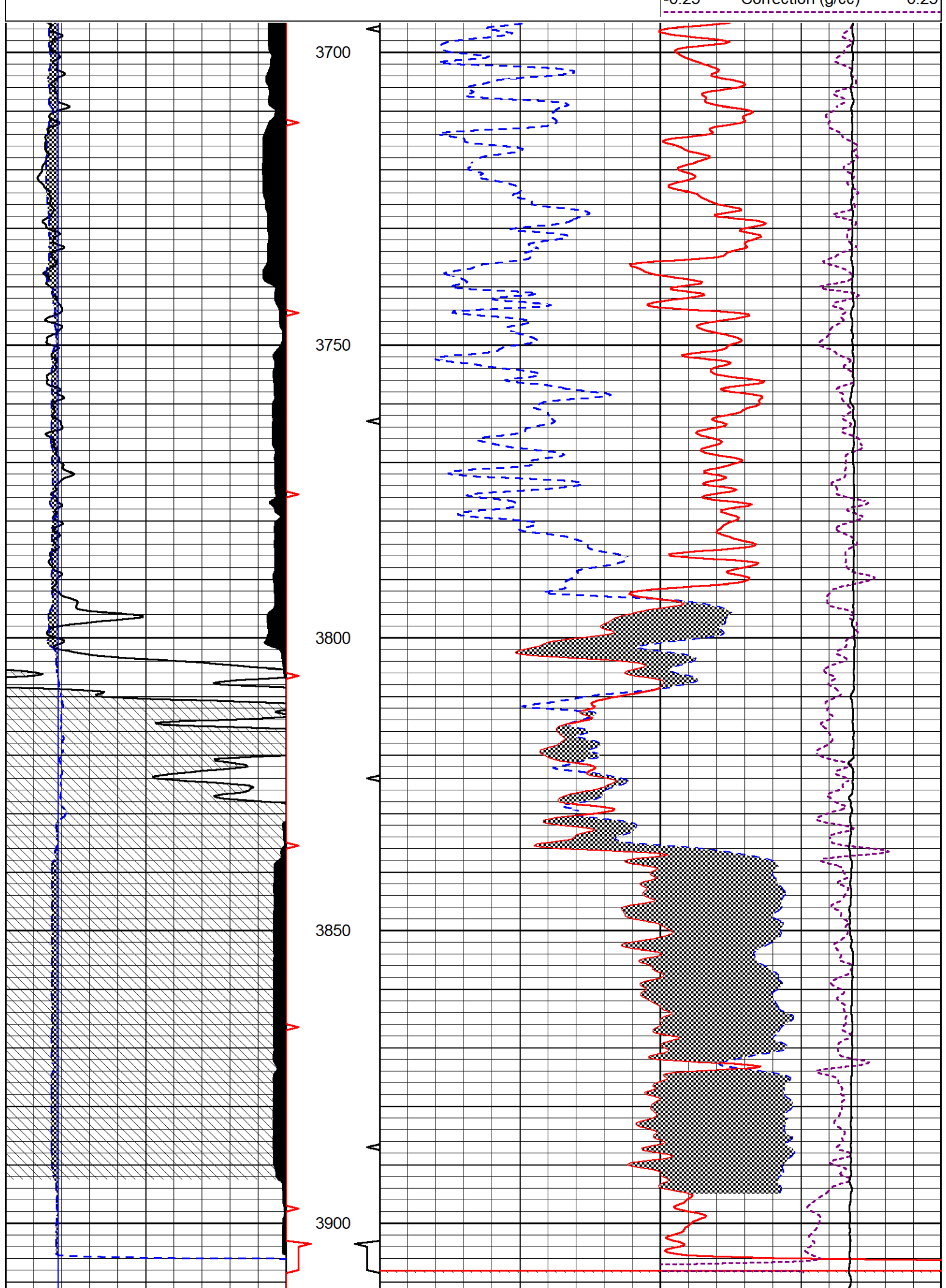
MIDWEST WIRELINE

REPEAT SECTION

REPEAT PASS

Database File castle_herl #5.db
 Dataset Pathname Stack/pass2.1
 Presentation Format _CNDLS~1
 Dataset Creation Tue May 19 12:36:39 2026
 Charted by Depth in Feet scaled 1:240





Database File		castle_herl #5.db		Calibration Report			
Dataset Pathname		Stack/pass3.1					
Dataset Creation		Tue May 19 13:11:09 2026					
Dual Induction Calibration Report							
Serial-Model:				507-M&W			
Surface Cal Performed:							
		Readings		References		Results	
Loop:	Air	Loop		Air	Loop	m	b
Deep	68.570	638.100		0.000	255.800	mmho/m	0.500
Medium	184.288	716.191		0.000	255.800	mmho/m	-37.000
							-79.000
Compensated Density Calibration Report							
Serial-Model:				307-25-M&W			
Source / Verifier:				77782B / 2ci			
Master Calibration Performed:				Thu Mar 26 08:04:36 2026			
Before Survey Verification Performed:							
After Survey Verification Performed:							
Master Calibration							
		Density		Far Detector		Near Detector	
Magnesium	1.755	g/cc		5351.29	6537.51	cps	
Aluminum	2.570	g/cc		1129.31	4295.71	cps	
Spine Angle = 74.89				Density/Spine Ratio = 0.506			
		Size		Reading			
Small Ring	7.88	in		1.13			
Large Ring	15.75	in		1.05			
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	

Serial Number:	107	
Tool Model:	M&W	
Performed:	Mon Apr 13 11:10:39 2026	
Calibrator Value:	500.0	GAPI
Background Reading:	24.0	cps
Calibrator Reading:	637.0	cps
Sensitivity:	0.5500	GAPI/cps



MIDWEST WIRELINE

Company	Castle Resources, Inc
Well	Herl #5
Field	Wheatland SW
County	Ellis
State	Kansas