



MIDWEST WIRELINE

DUAL COMP POROSITY LOG

Company Berexco, LLC
 Well Weinman #1
 Field Dayton
 County Phillips
 State Kansas

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Location: API #: 15-147-20760-00-00
 620 FSL 1650 FWL
 SEC 25 TWP 2S RGE 19W
 Permanent Datum Ground Level Elevation 2129
 Log Measured From Kelly Bushing
 Drilling Measured From Kelly Bushing
 Other Services
 DIL
 MEL/BHCS
 K.B. 2139
 D.F. G.L. 2129

Date	2/25/2022						
Run Number	One						
Type Log	CNL/CDL						
Depth Driller	3650						
Depth Logger	3642						
Bottom Logged Interval	3621						
Top Logged Interval	2800						
Type Fluid In Hole	Chemical						
Salinity, PPM CL	800						
Density	9.3						
Level	Full						
Max. Rec. Temp. F	113						
Operating Rig Time	4 Hours						
Equipment -- Location	P-24 Hays						
Recorded By	C McLaughlin						
Witnessed By	Bryan Bynog						
Borehole Record							
Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	0	273	8.625	23	0	273
Two	7.875	273	TD				
Casing Record							

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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.

Phillipsburg
 5 West to 500 Rd,
 4 North to Limestone Rd
 1/4 East, North into

Log Measured From: Kelly Bushing 10 Ft. Above Permanent Datum

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

Your Midwest Wireline Crew		This Log Record Was Witnessed By	
Engineer: C McLaughlin	Operator: D Schmidt	Primary Witness: Bryan Bynog	Secondary Witness:
Operator:	Operator:	Secondary Witness:	Secondary Witness:
Operator:	Operator:	Secondary Witness:	Secondary Witness:

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	32.75		GR-M&W (101)	3.00	3.50	50.00
CNLSC CNSSC	29.65 28.90		CNT-M&W (207-MW)	5.00	3.50	100.00
LSD DCAL SSD	20.60 20.58 20.10		CDL-M&W (305-05)	8.50	4.00	250.00
RLL3F RLL3	15.50 15.50		DIL-M&W (501 HT)	18.25	3.50	220.00
CILD	8.33		CILM	4.50		
SP	0.20					

Dataset: berexco_weinman #1.db: field/well/stack/pass3.1
 Total length: 34.75 ft
 Total weight: 620.00 lb
 O.D.: 4.00 in

Log Variables

DatabaseC:\ProgramData\Warrior\Data\berexco_weinman #1.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	113	5.5	0	1	2	2.71
NPORSEL	PERFS	SNDERR mmho/m	SNDERRM mmho/m	SPSHIFT mV	SRFTEMP degF	SZCOR	TDEPTH ft
Limestone	0	0	0	240	10	Off	3642

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



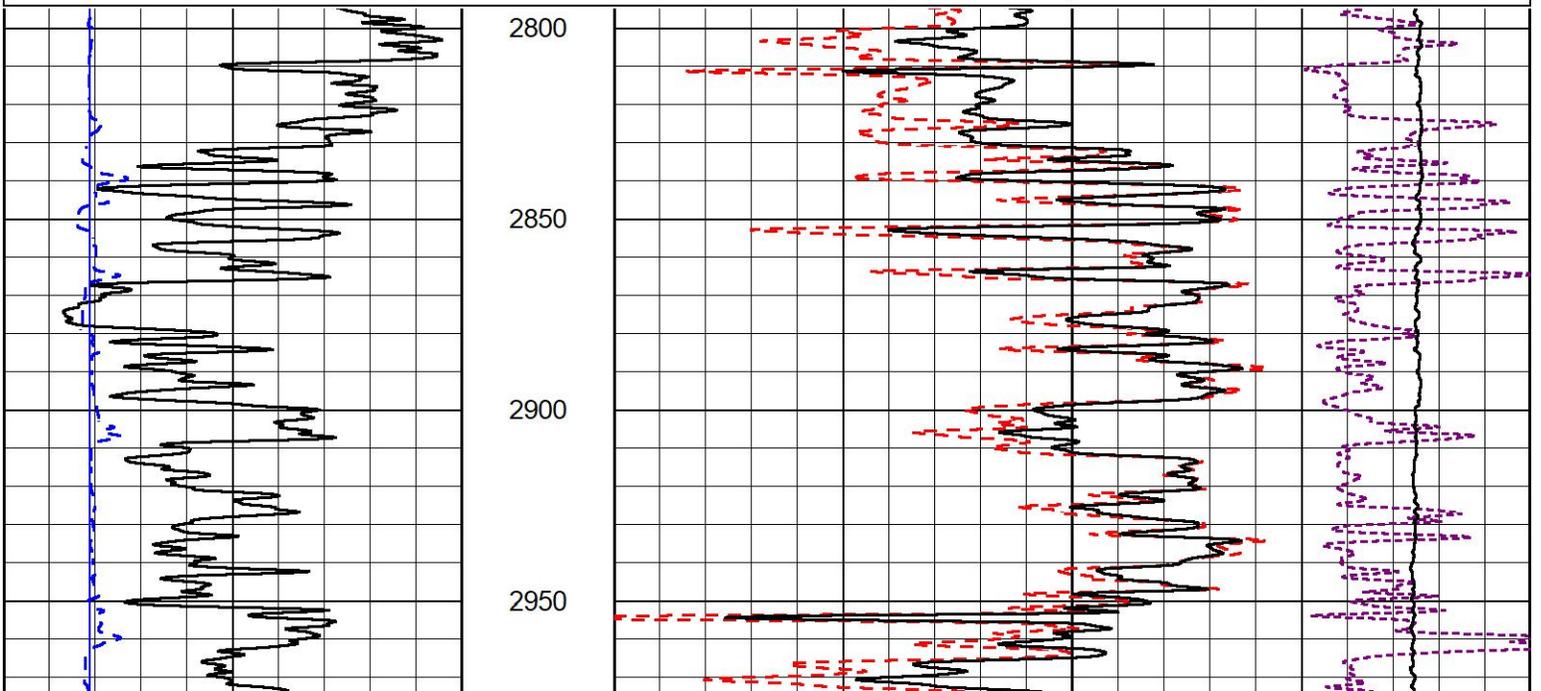
2" SCALE BULK DENSITY

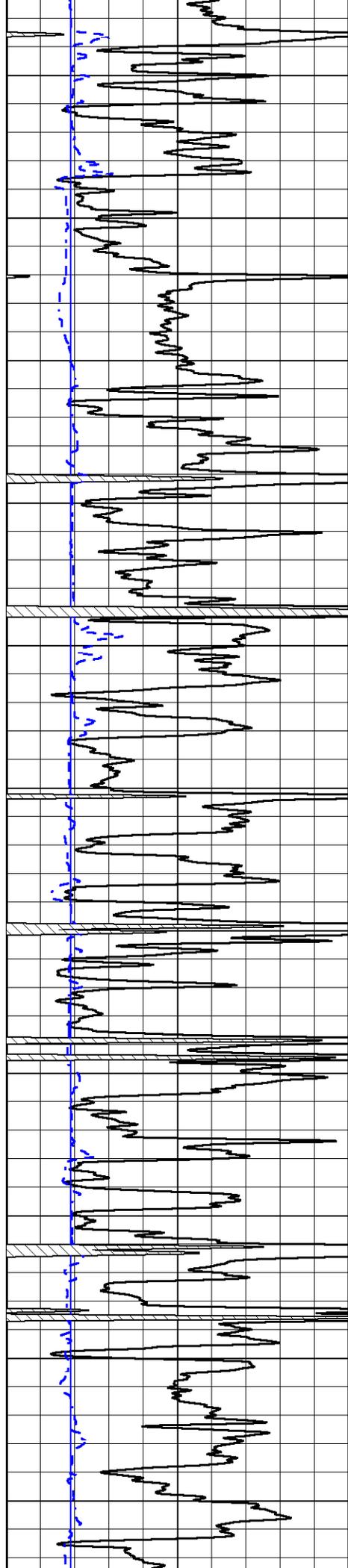
MAIN PASS

Database File berexco_weinman #1.db
 Dataset Pathname stack/pass3.2
 Presentation Format _cdl
 Dataset Creation Fri Feb 25 22:21:09 2022
 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
10000	Line Tension (lb)	0
-0.25	Correction (g/cc)	0.25





3000

3050

3100

3150

3200

3250

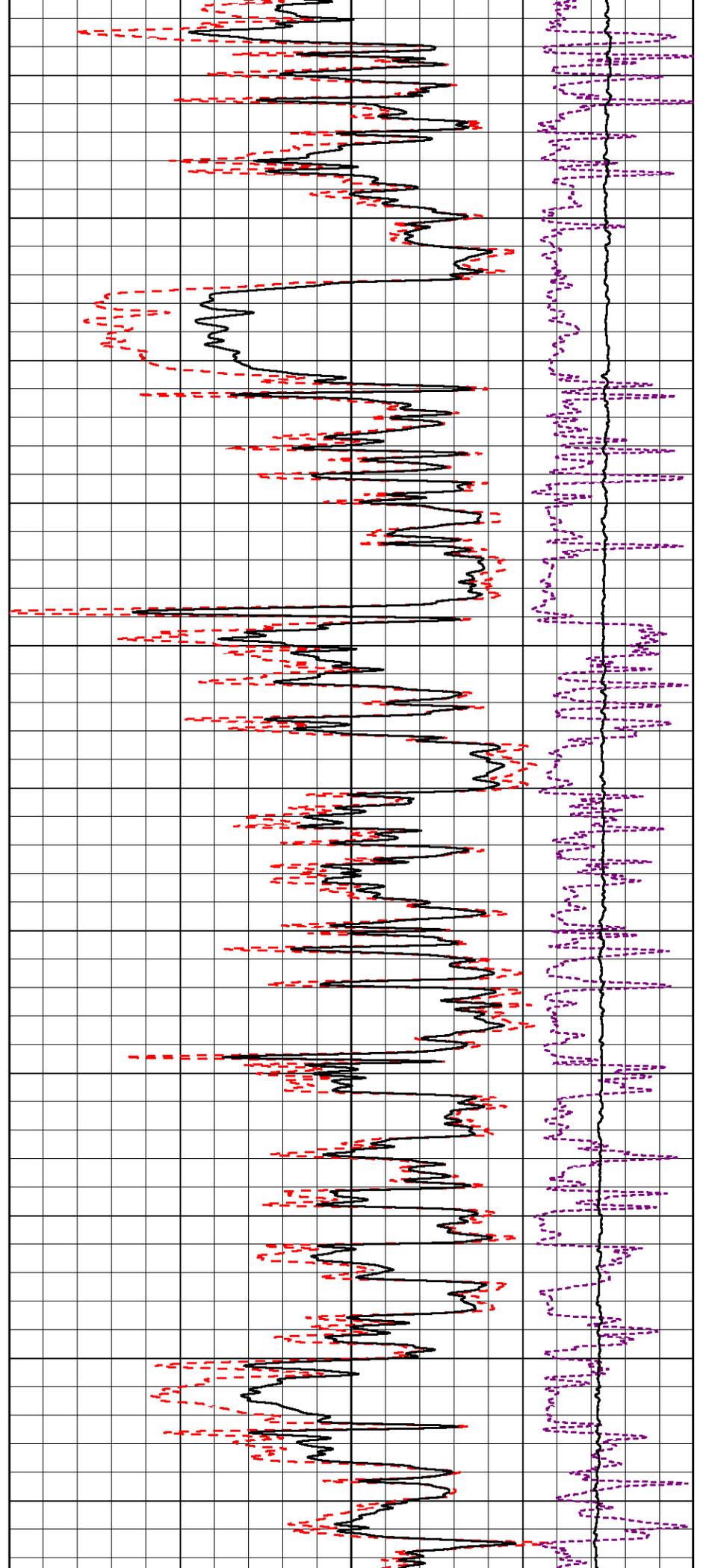
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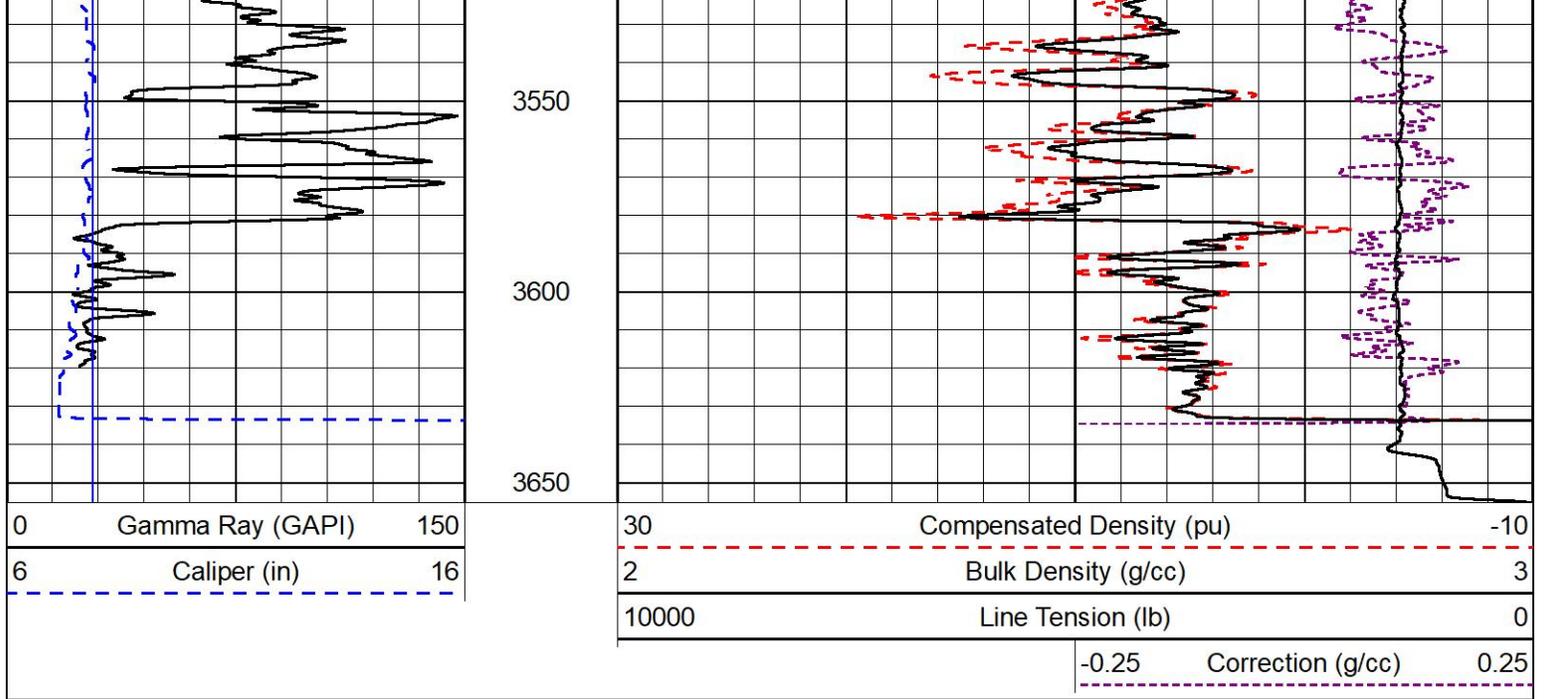
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3400

3450

3500

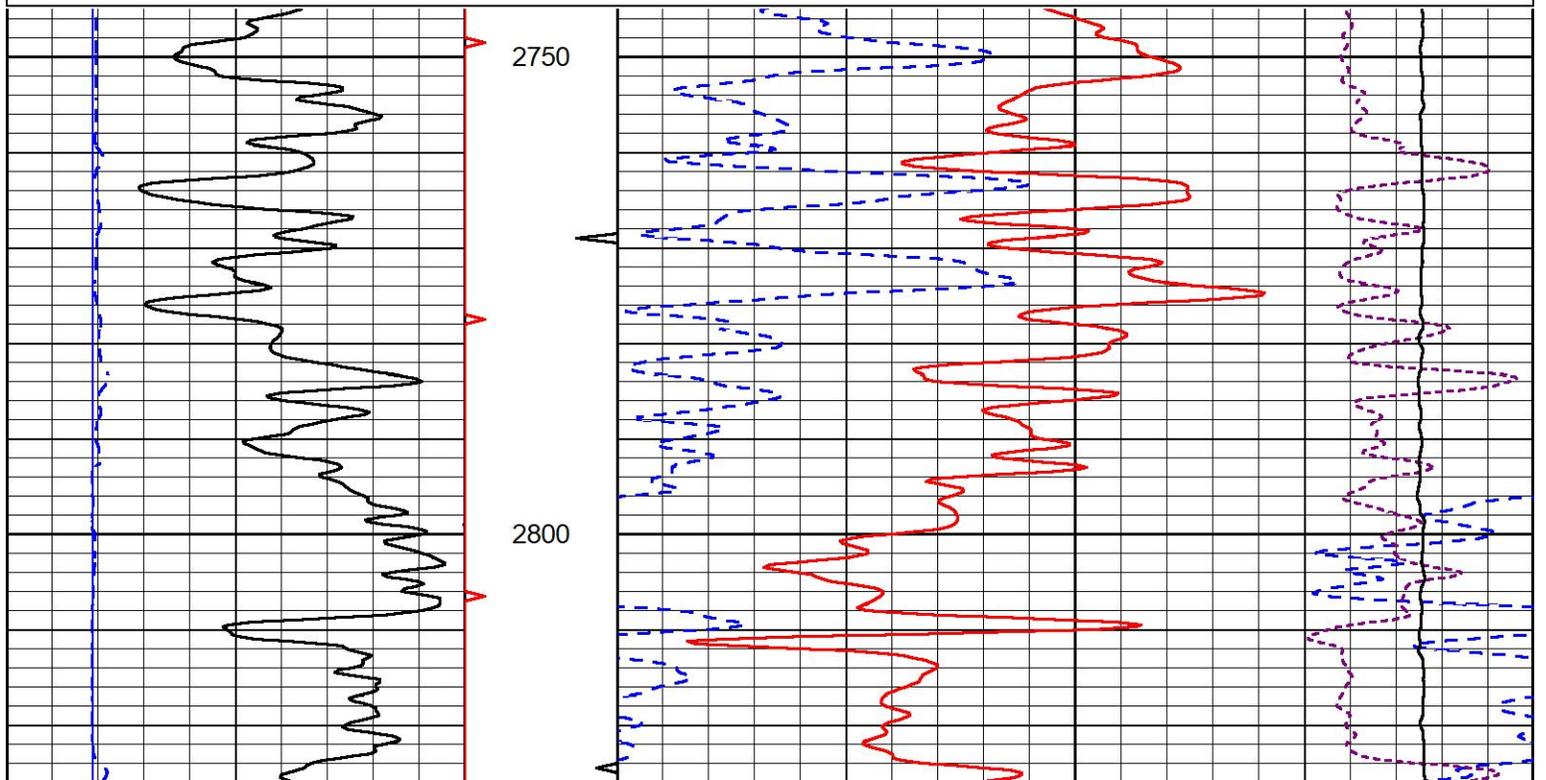
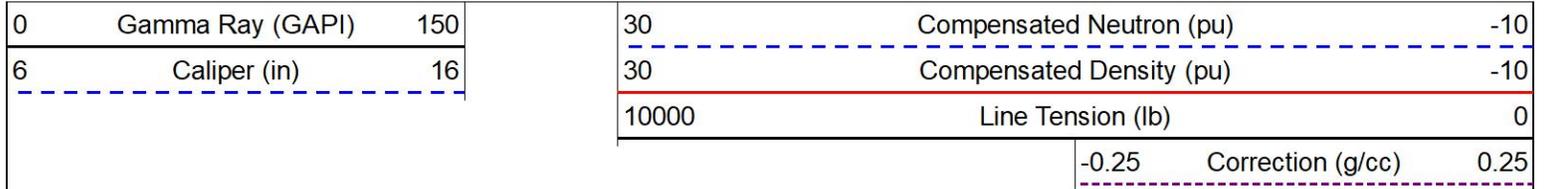


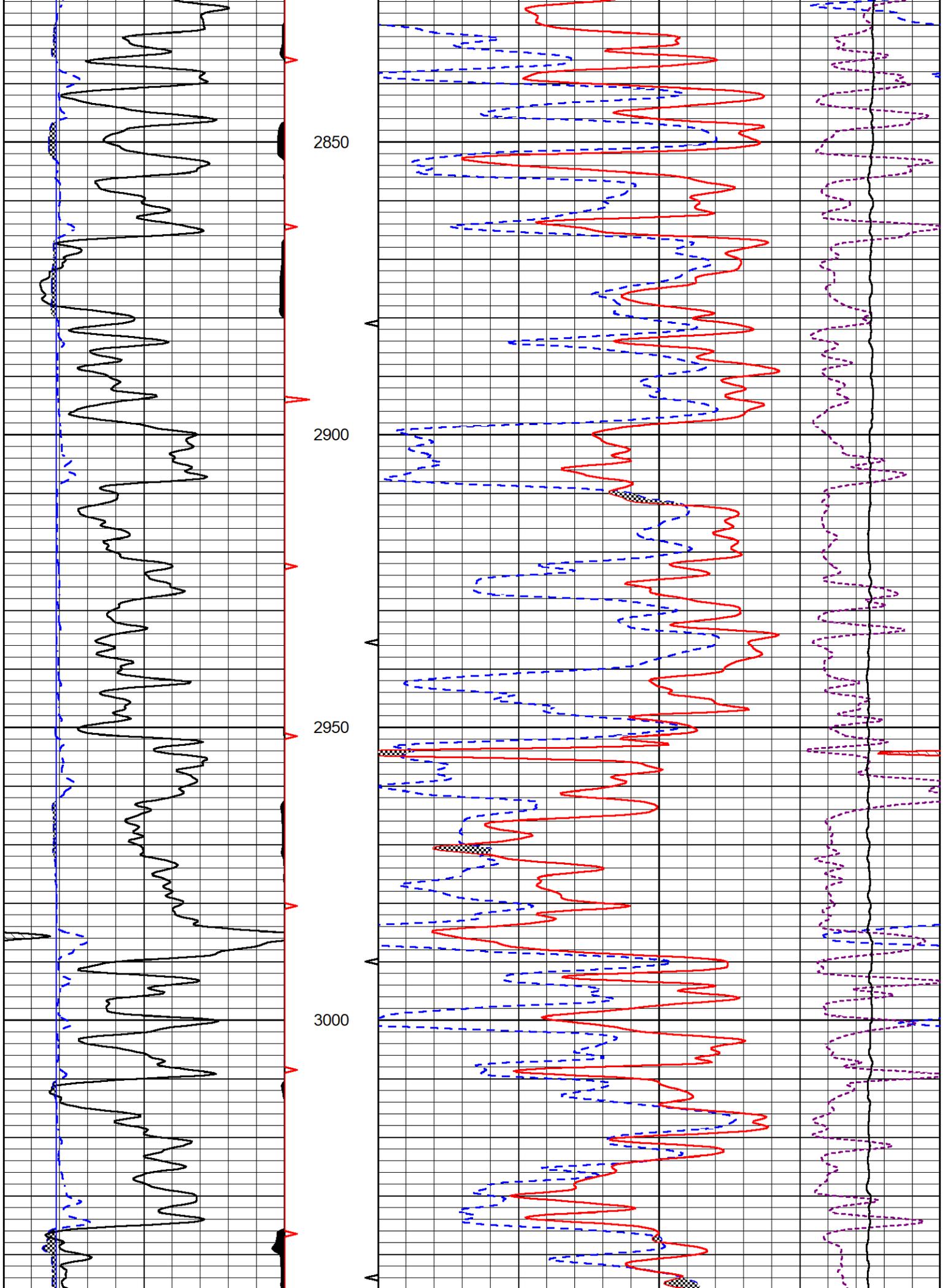


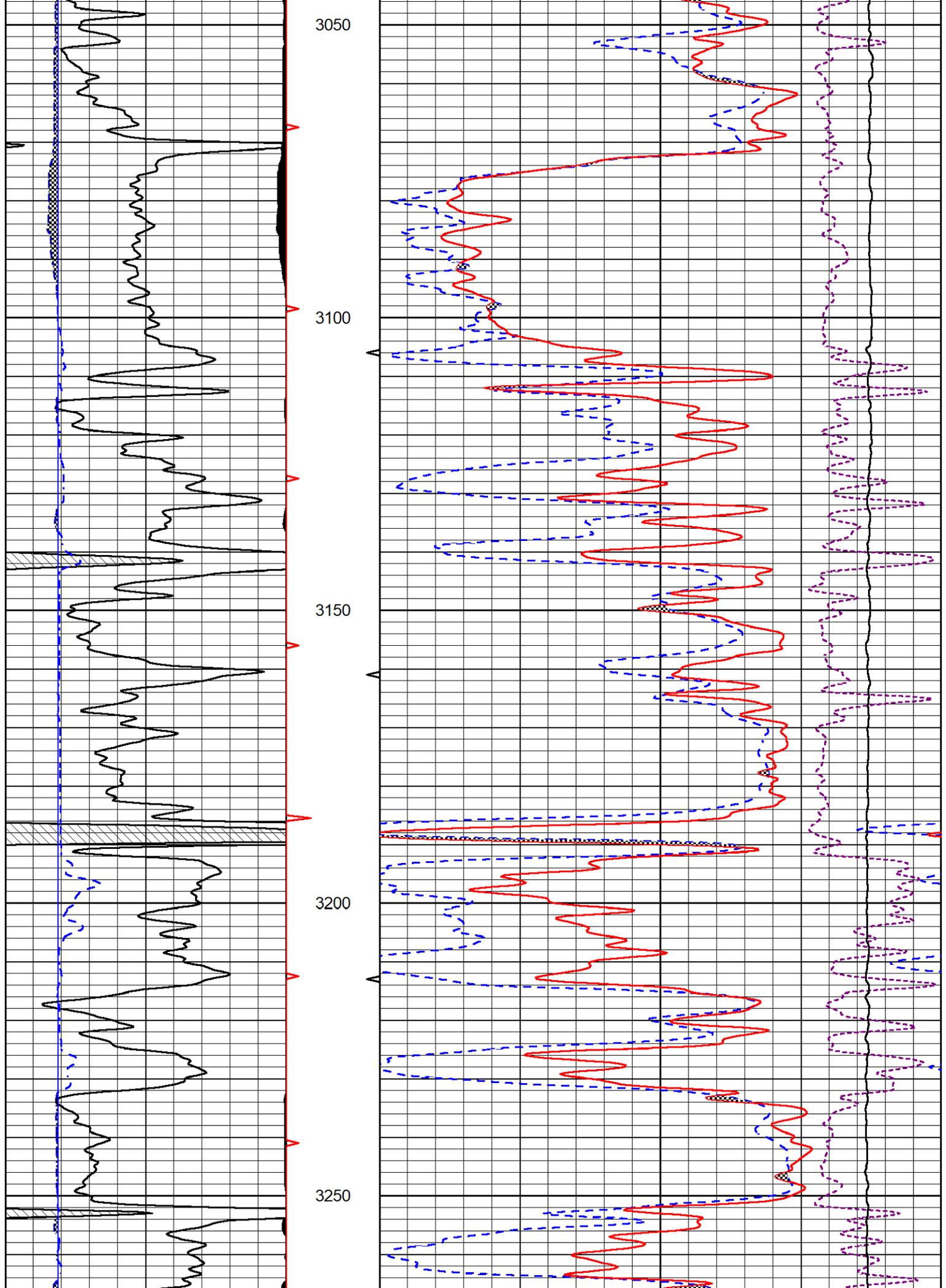
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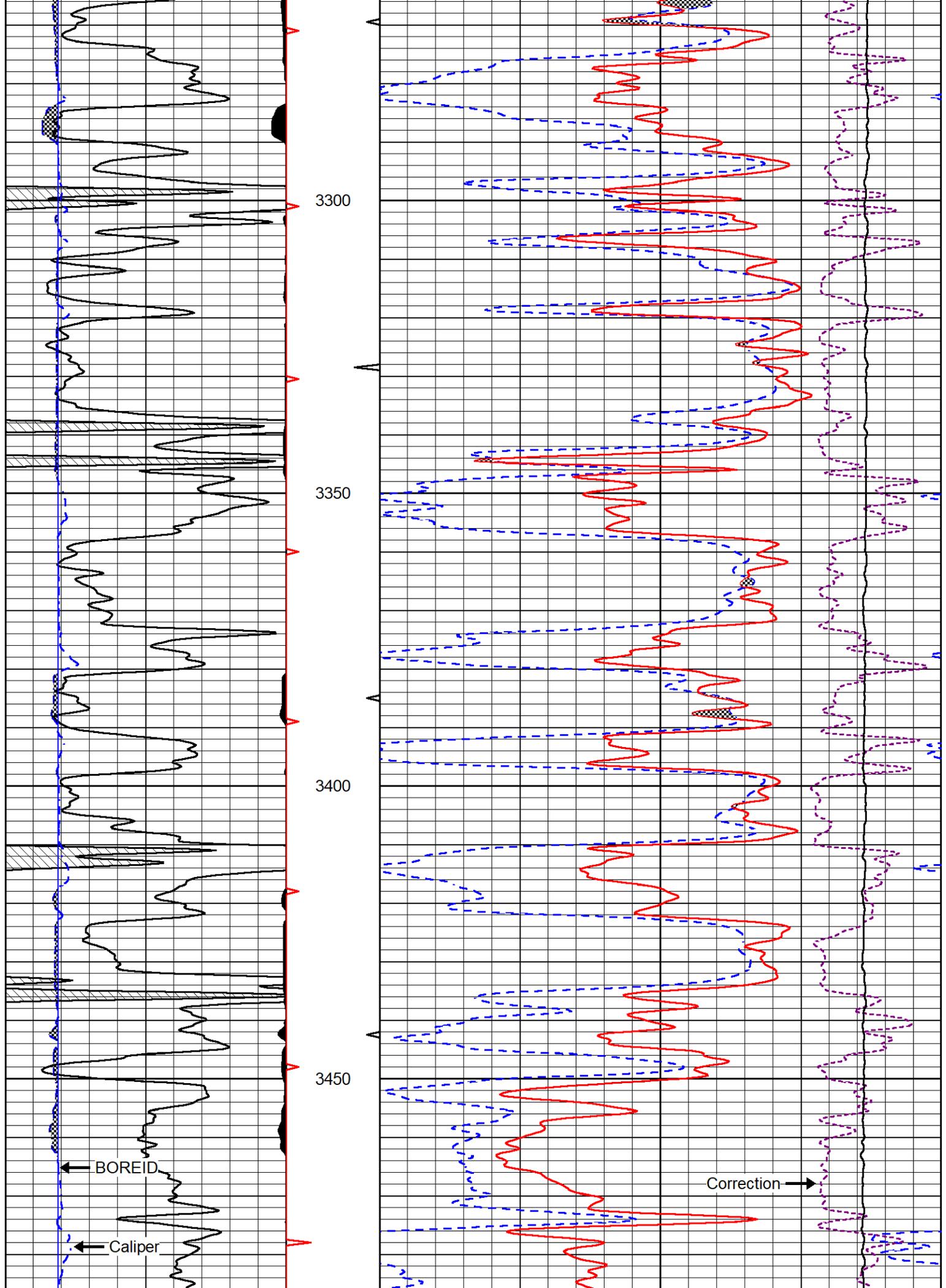
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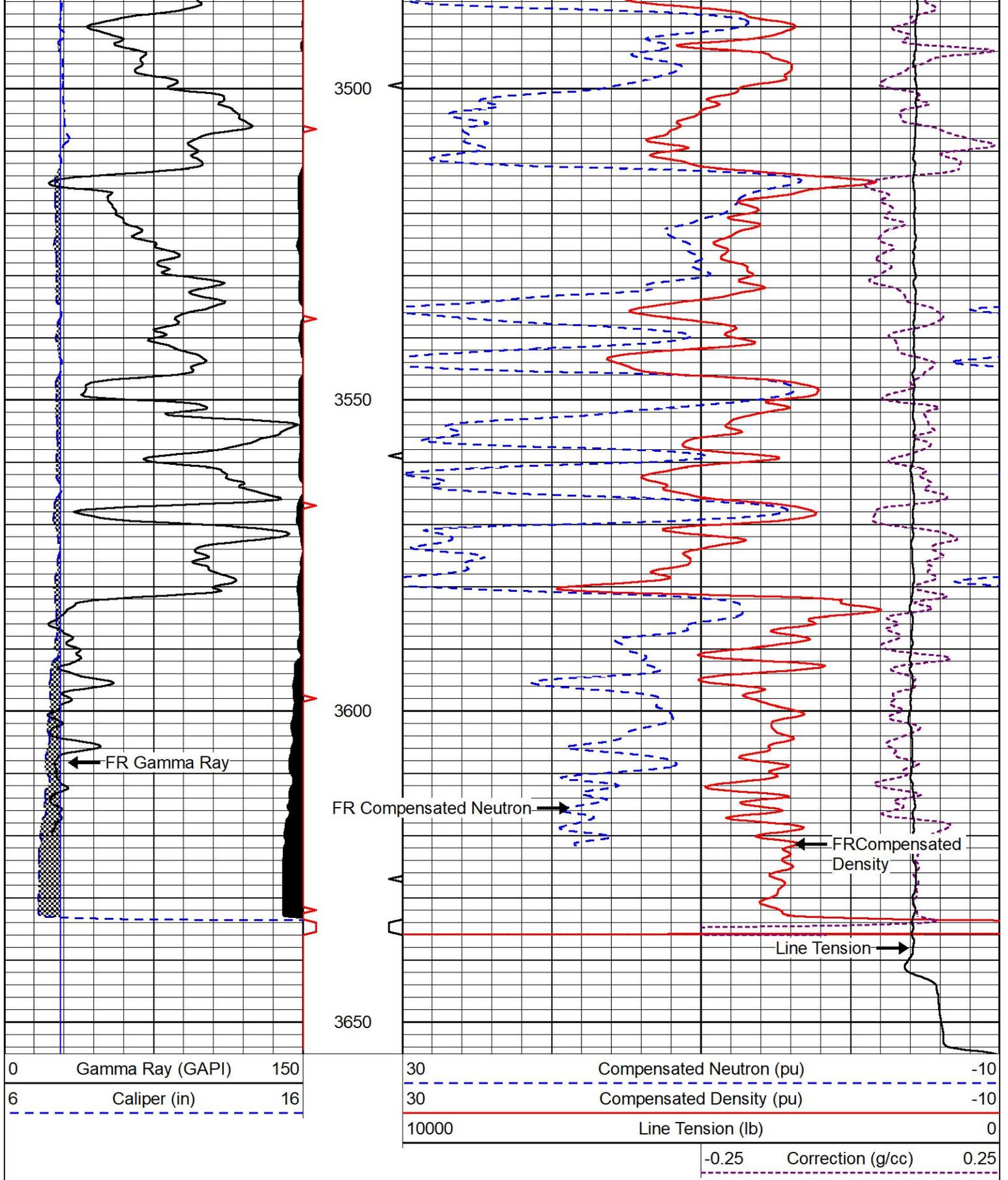
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 Dataset Pathname stack/pass3.1
 Presentation Format _CNDLS~1
 Dataset Creation Fri Feb 25 21:54:39 2022
 Charted by Depth in Feet scaled 1:240











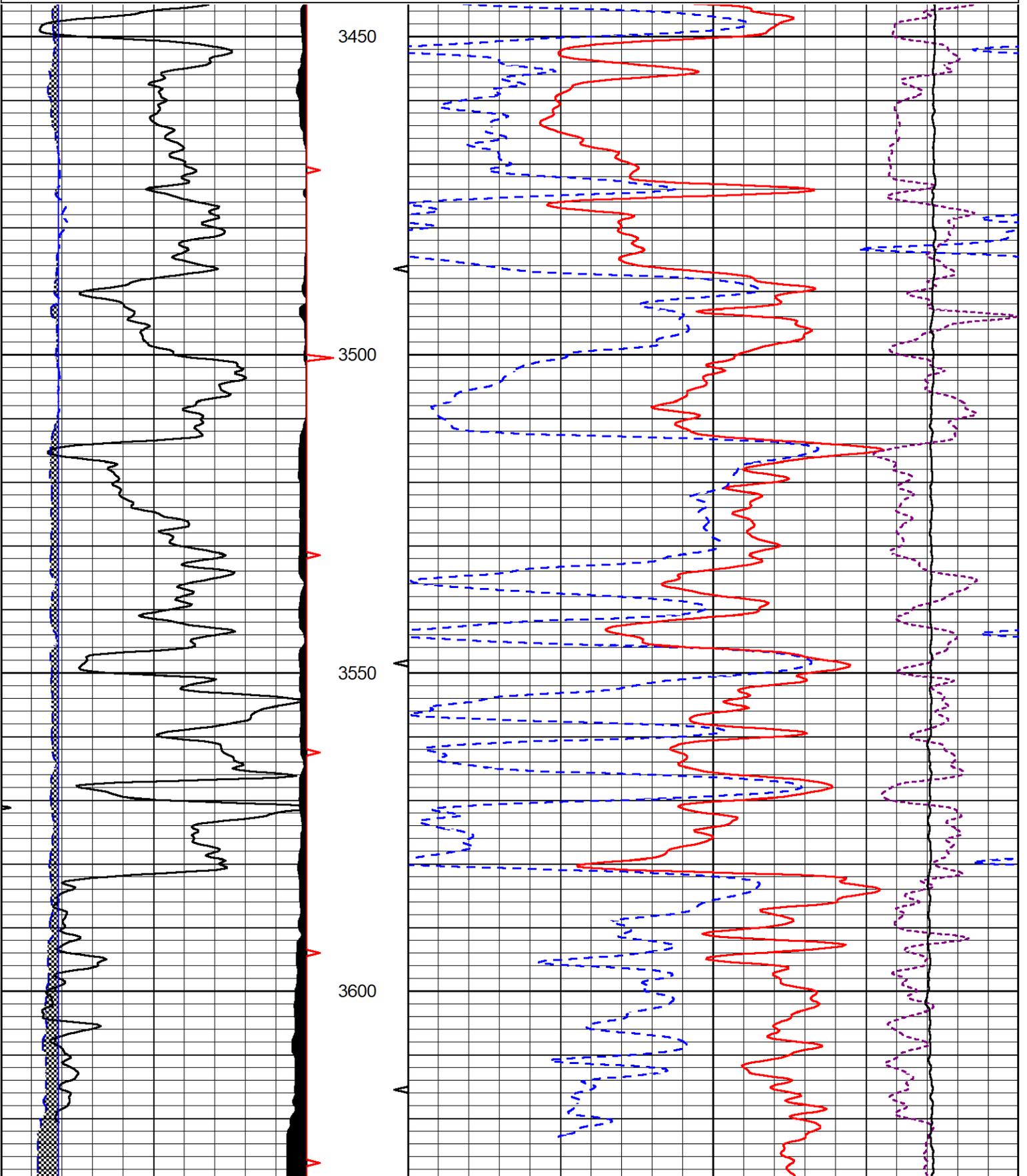
REPEAT SECTION

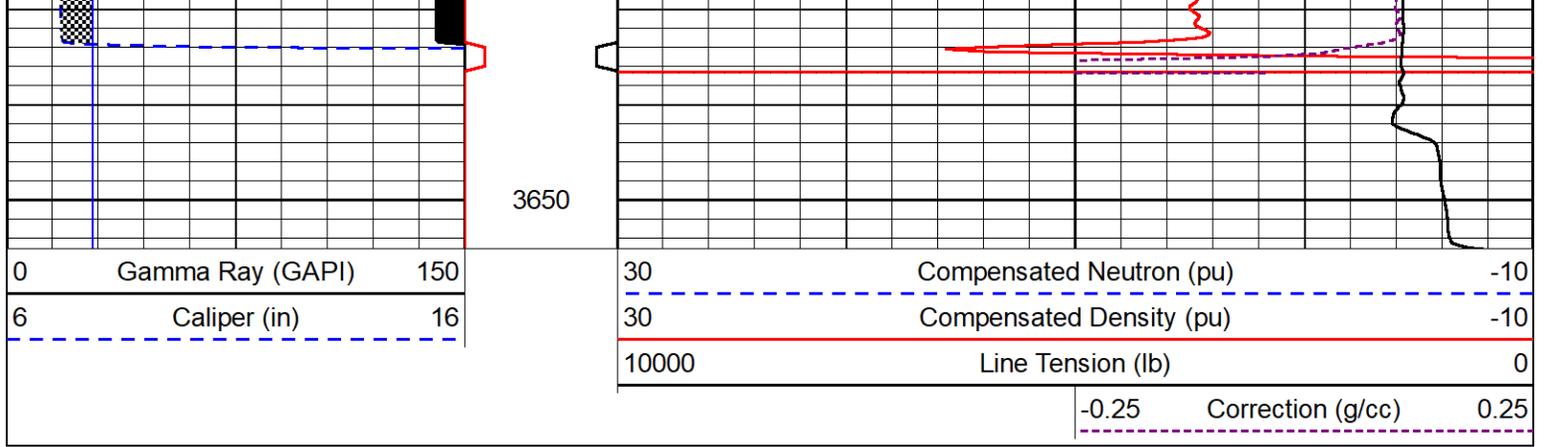
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0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

30	Compensated Neutron (pu)	-10
30	Compensated Density (pu)	-10
10000	Line Tension (lb)	0
-0.25	Correction (g/cc)	0.25





Calibration Report

Database File berexco_weinman #1.db
 Dataset Pathname stack/pass3.1
 Dataset Creation Fri Feb 25 21:54:39 2022

Dual Induction Calibration Report

Serial-Model: 501 HT-M&W
 Surface Cal Performed: Wed Feb 23 19:44:50 2022

Loop:	Readings		References			Results	
	Air	Loop	Air	Loop		m	b
Deep	83.639	487.104	0.000	183.000	mmho/m	0.455	-41.500
Medium	113.335	1585.690	0.000	442.000	mmho/m	0.320	-35.000

Compensated Density Calibration Report

Serial-Model: 305-05-M&W
 Source #: 20762B
 Master Calibration Performed: Mon Jan 24 19:14:33 2022

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.755	g/cc	8758.11	9709.36	cps
Aluminum	2.630	g/cc	1513.14	5652.54	cps
Spine Angle = 72.88			Density/Spine Ratio = 0.476		
	Size		Reading		
Small Ring	4.00	in	1.75		
Large Ring	14.00	in	1.38		

Compensated Neutron Calibration Report

Serial-Model: 207-MW-M&W
 Source #: 100046B
 Master Calibration Performed: Mon Nov 29 15:06:24 2021

Master Calibration

Detector	Readings	Target	Normalization
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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:	101	
Tool Model:	M&W	
Performed:	Mon Jan 24 19:14:46 2022	
Calibrator Value:	500.0	GAPI
Background Reading:	24.0	cps
Calibrator Reading:	637.0	cps
Sensitivity:	0.5500	GAPI/cps



Company	Berexco, LLC
Well	Weinman #1
Field	Dayton
County	Phillips
State	Kansas