

MIDWEST WIRELINE

DUAL COMP POROSITY LOG

Company Talon Group LLC
Well Hineman R 1-20
Field Hineman
County Lane State Kansas

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Field Hineman
County Lane
State Kansas

Location: API #: 15-101-22656-00-00
N2 NE SE SE
1170' FSL & 330' FEL
SEC 20 TWP 19S RGE 28W
Permanent Datum Ground Level Elevation 2792
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing
Other Services
DIL/MEL
K.B. 2802
D.F.
G.L. 2792

Date 9/10/2021

Run Number One

Type Log CNL/CDL

Depth Driller 4651

Depth Logger 4653

Bottom Logged Interval 4632

Top Logged Interval 3700

Type Fluid In Hole Chemical

Salinity, PPM CL 3300

Density 9.2

Level Full

Max. Rec. Temp. F 123 Deg F

Operating Rig Time 3 Hours

Equipment -- Location P-24 HAYS

Recorded By T. Martin

Witnessed By Vern Schrag

Borehole Record

Casing Record

Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	271	8.625	23	00	271
Two	7.875	271	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.

Dighton, KS, S to Rd 90,
2 E, 7/8 S, W into

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

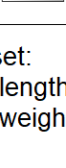
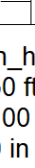
THANK YOU FOR USING MIDWEST WIRELINE LLC
785-625-3858

Your Midwest Wireline Crew

Engineer: T. Martin
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: Vern Schrag
Secondary Witness:
Secondary Witness:
Secondary Witness:

Sensor	Offset (ft)	Schematic		Description	Length (ft)	O.D. (in)	Weight (lb)	
GR	33.00			GR-M&W (233-M&W)	3.00	3.50	50.00	
CNLSC CNSSC	29.90 29.15			CNT-M&W (207-MW)	5.50	3.50	100.00	
LSD DCAL SSD	20.85 20.83 20.35			CDL-M&W (126-4040)	8.50	4.00	250.00	
RLL3F RLL3	15.80 15.80			DIL-PSI HIGH TEMP (952-828)	18.50	3.50	220.00	
CILD	8.00							
CILM	4.70							
SP	0.20							
Dataset: talon_hineman r #1-20.db: field/well/Stack/pass3.1								
Total length: 35.50 ft								
Total weight: 620.00 lb								
O.D.: 4.00 in								

Log Variables

DatabaseC:\ProgramData\Warrior\Data\talon_hineman r #1-20.db
Dataset field/well/Stack/pass3.1/_vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in 7.875	degF 123	in 4.5	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 210	degF 70	Off	ft 4653

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

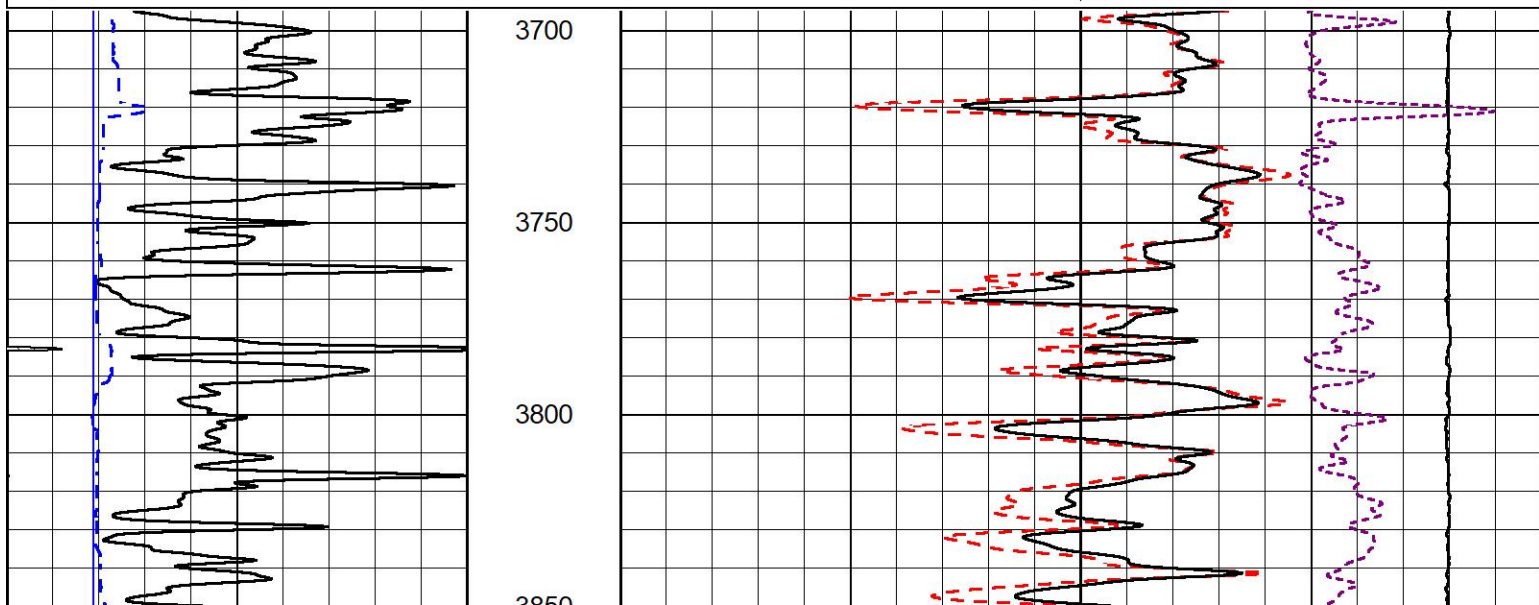
MAIN PASS

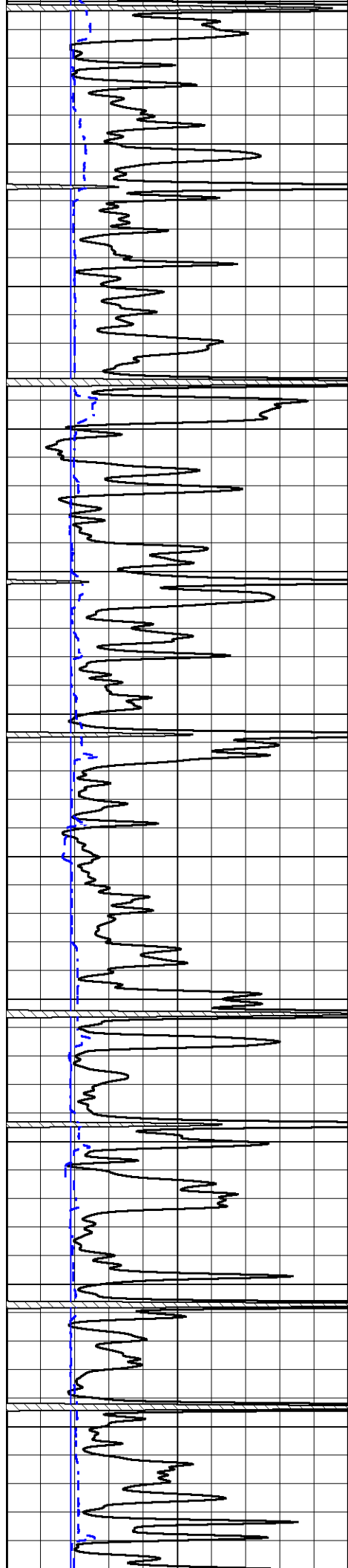
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Dataset Pathname Stack/pass3.3
Presentation Format _cdl
Dataset Creation Fri Sep 10 07:03:11 2021
Charted by Depth in Feet scaled 1:600

0	GAMMA RAY (GAPI)	150
6	DCAL (in)	16

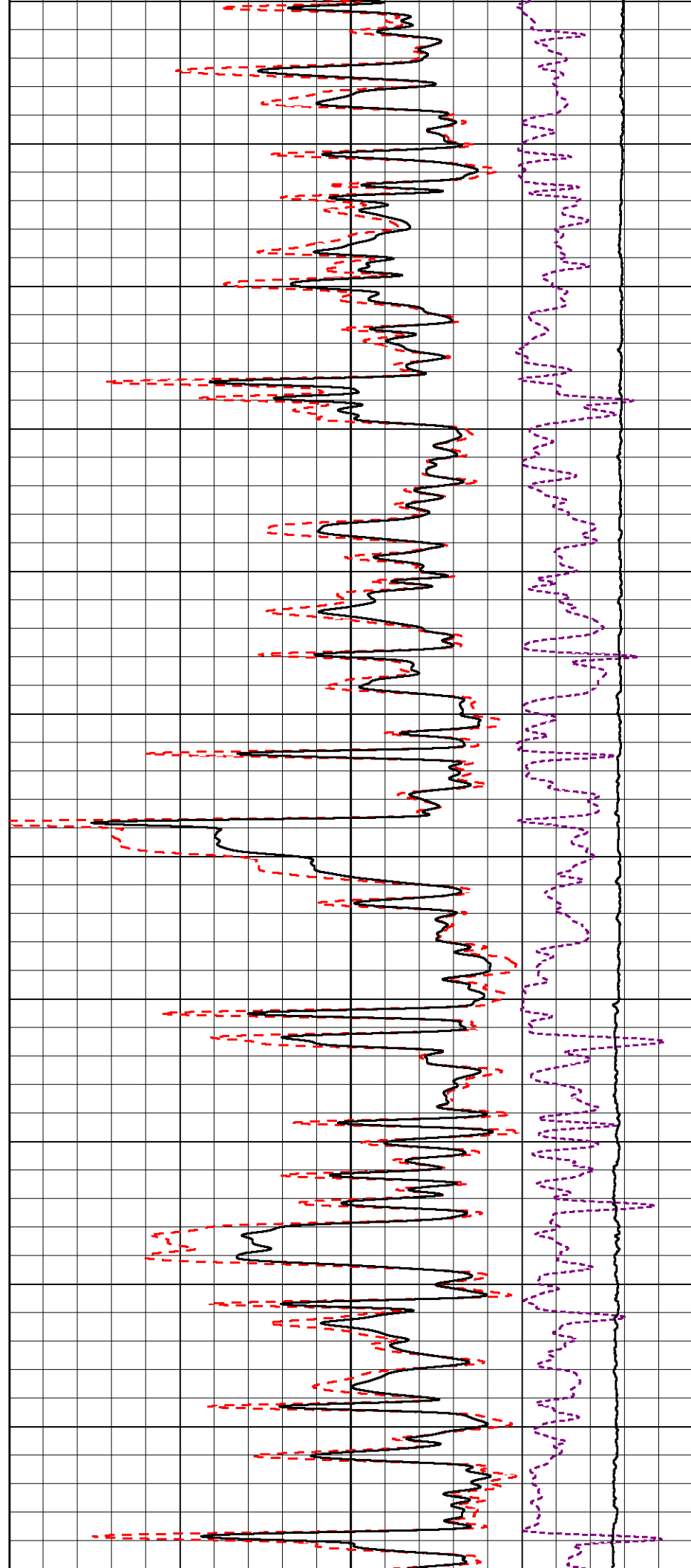
COMPENSATED DENSITY (2.65 MA)

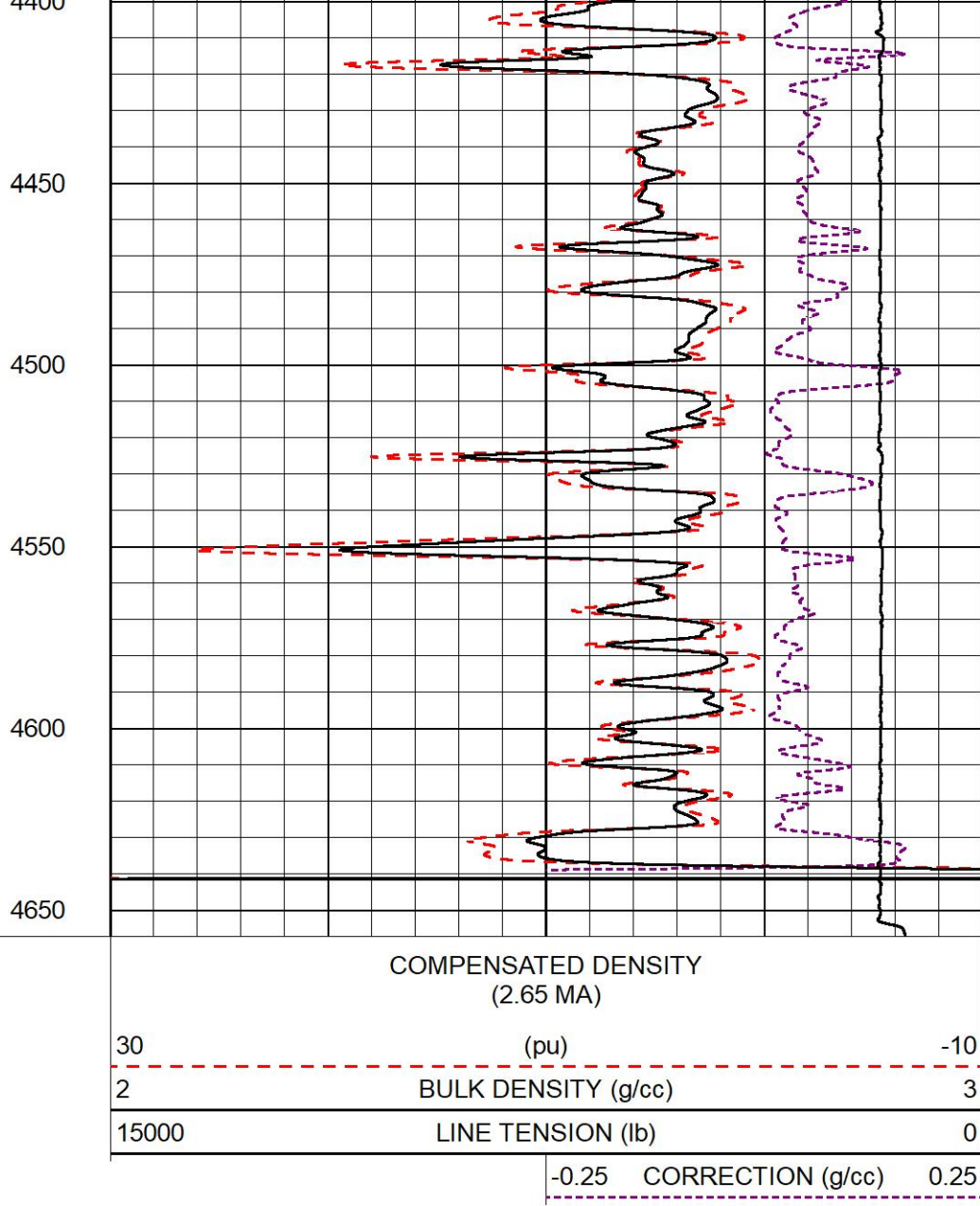
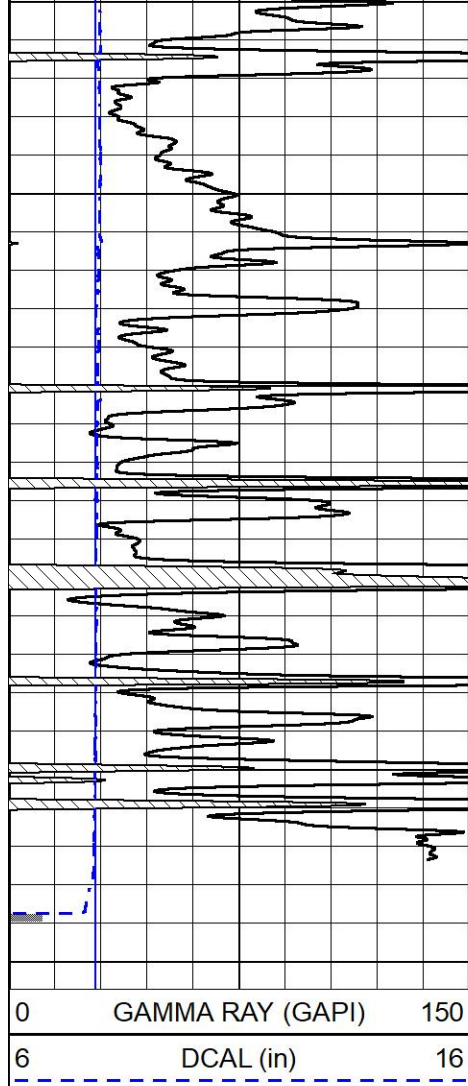
30	(pu)	-10
2	BULK DENSITY (g/cc)	3
15000	LINE TENSION (lb)	0
-0.25	CORRECTION (g/cc)	0.25





3850
3900
3950
4000
4050
4100
4150
4200
4250
4300
4350
4400

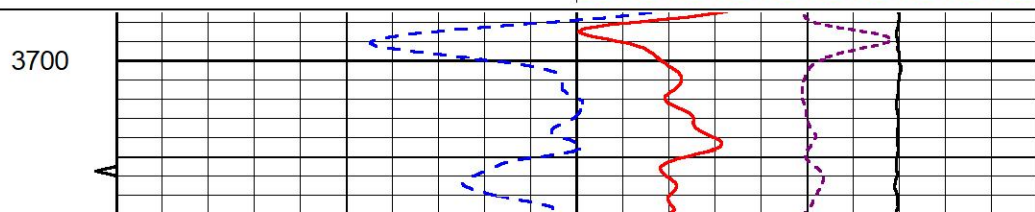
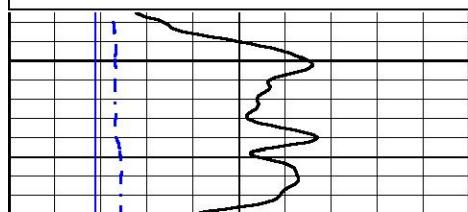
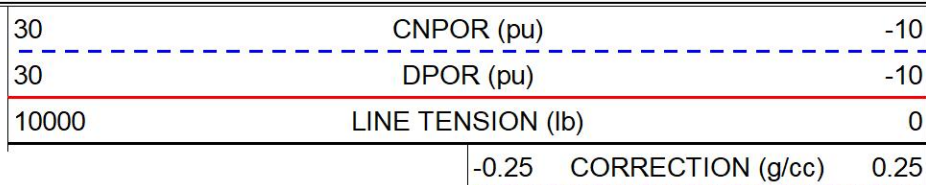
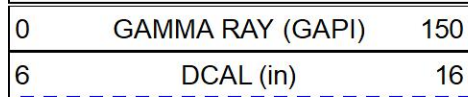


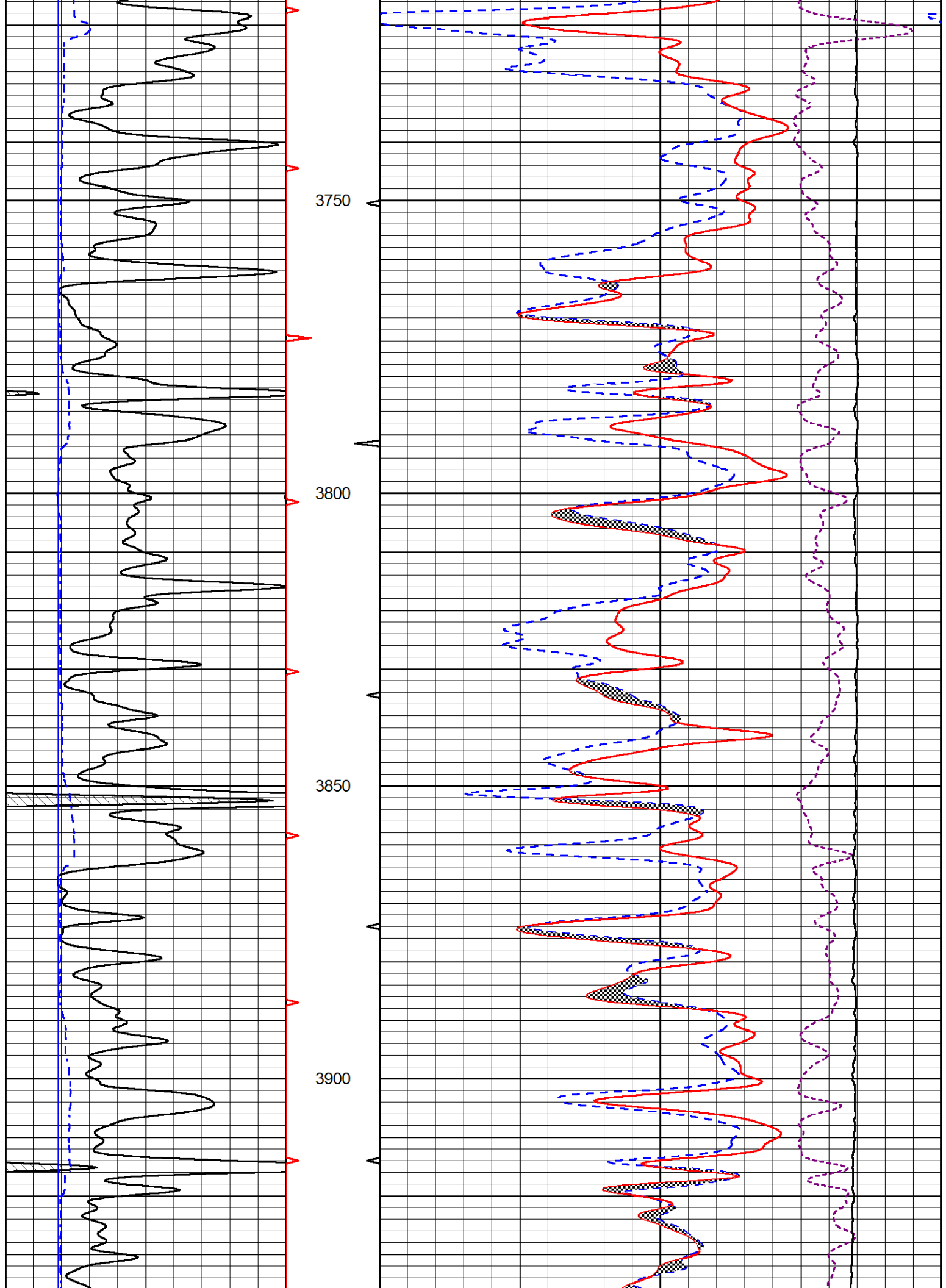


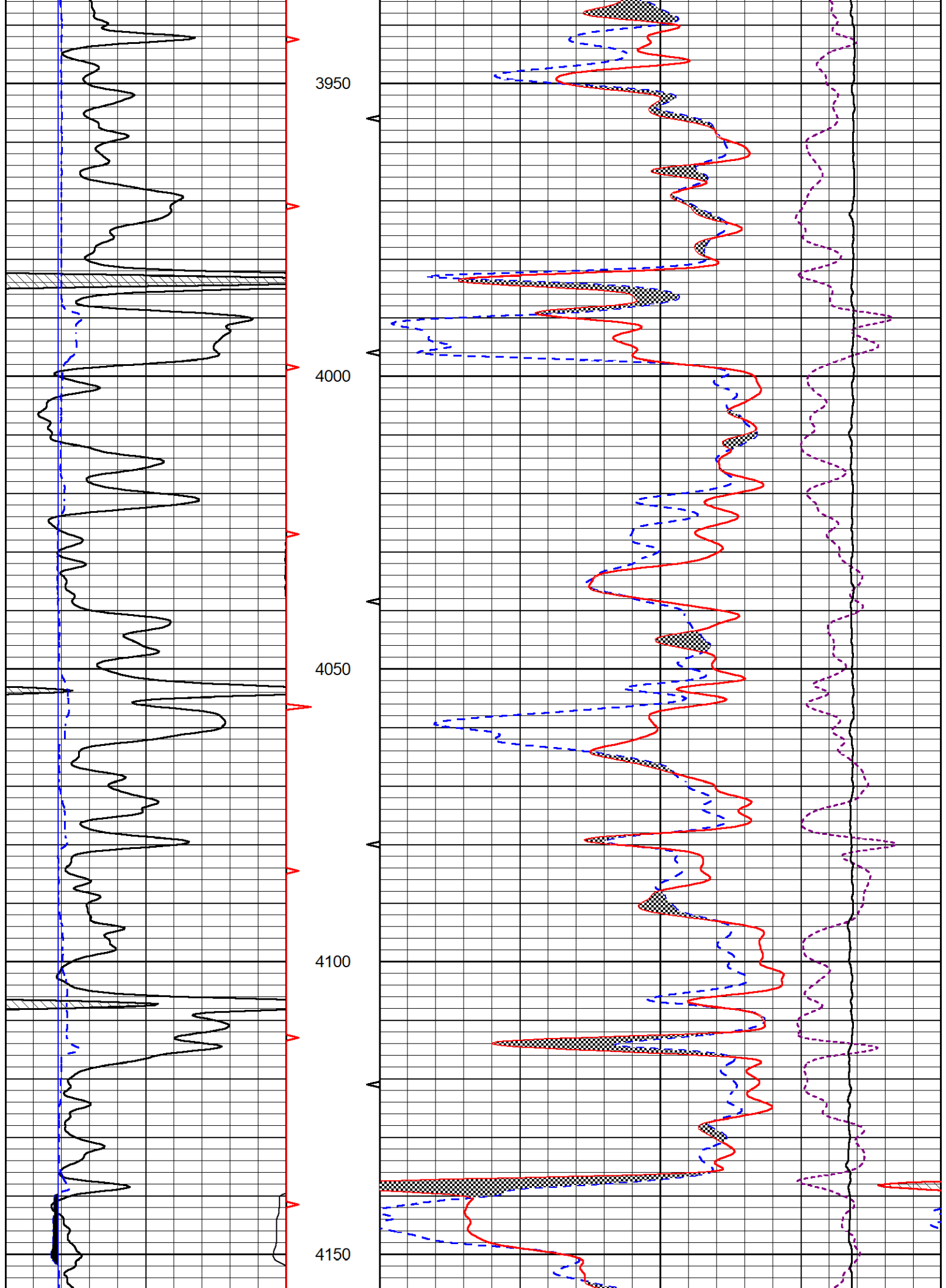
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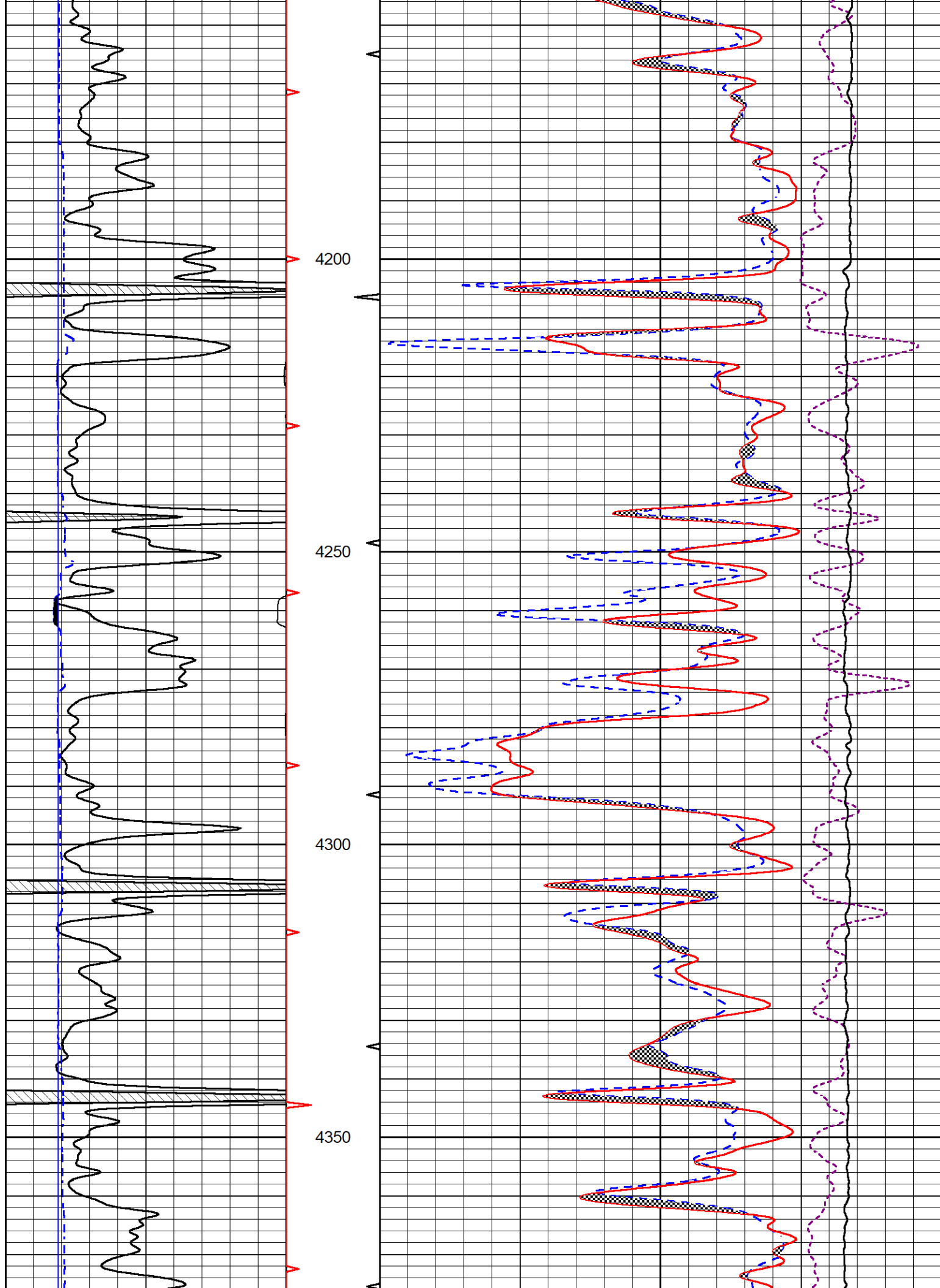
MAIN PASS

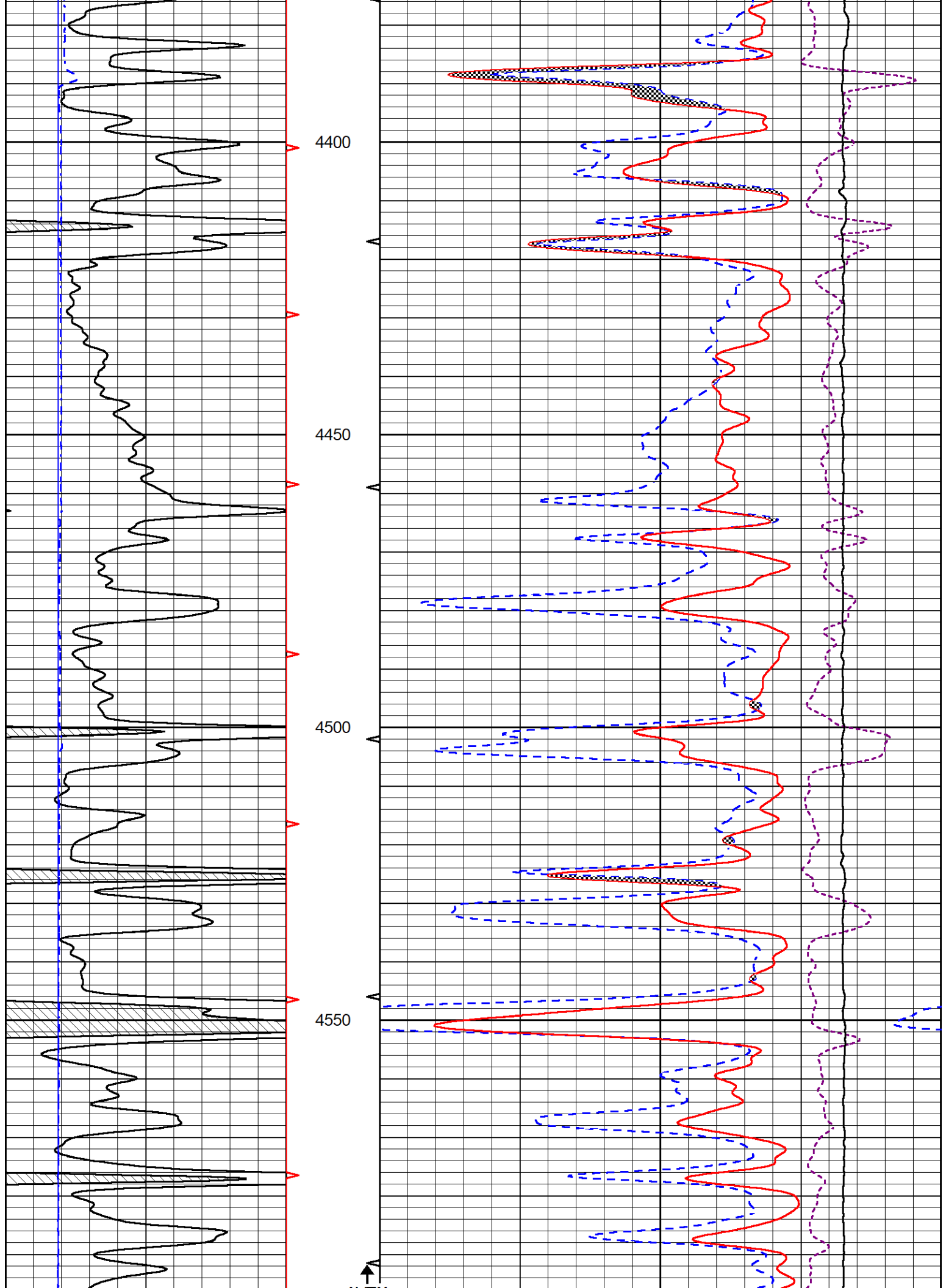
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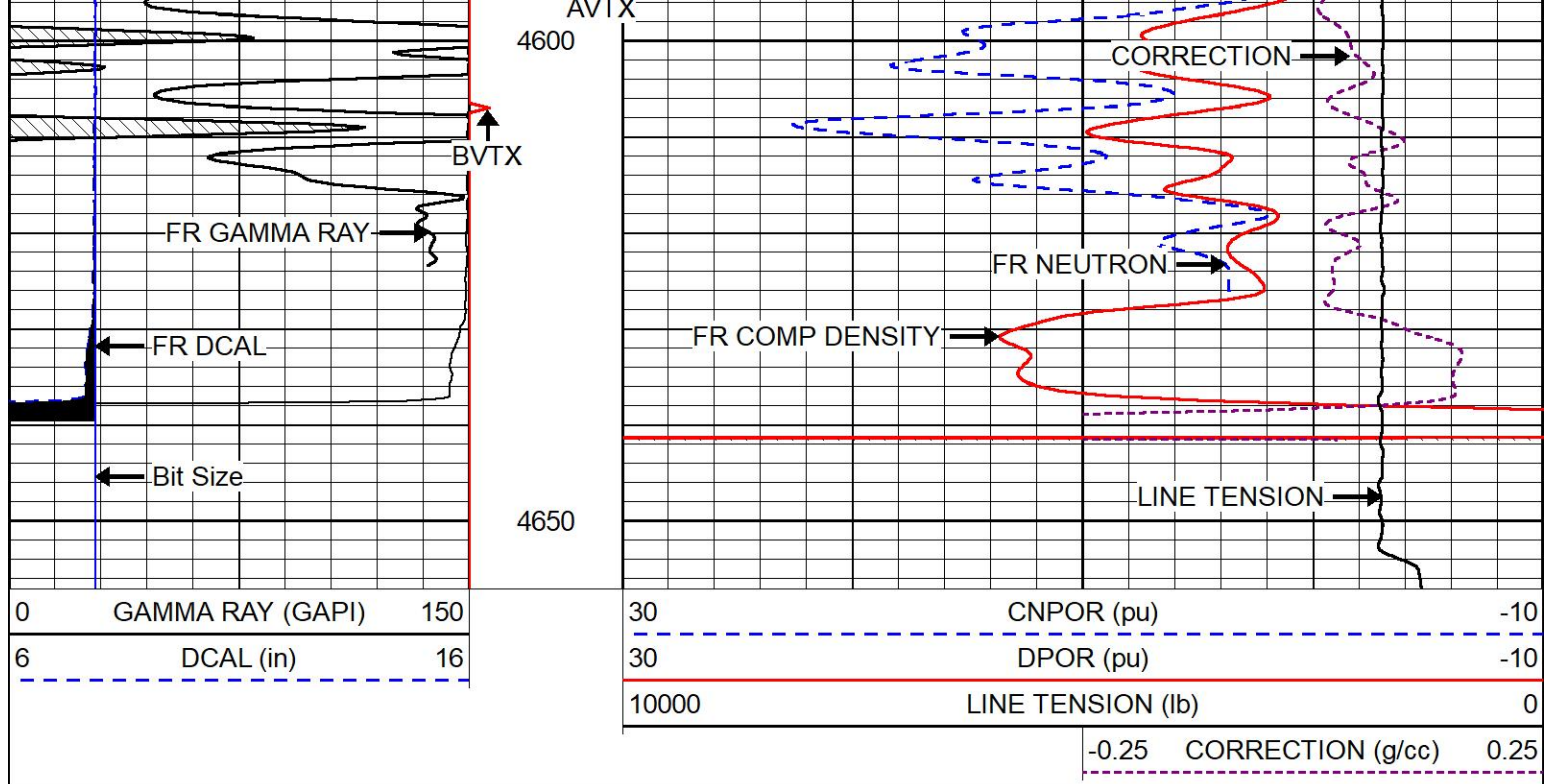










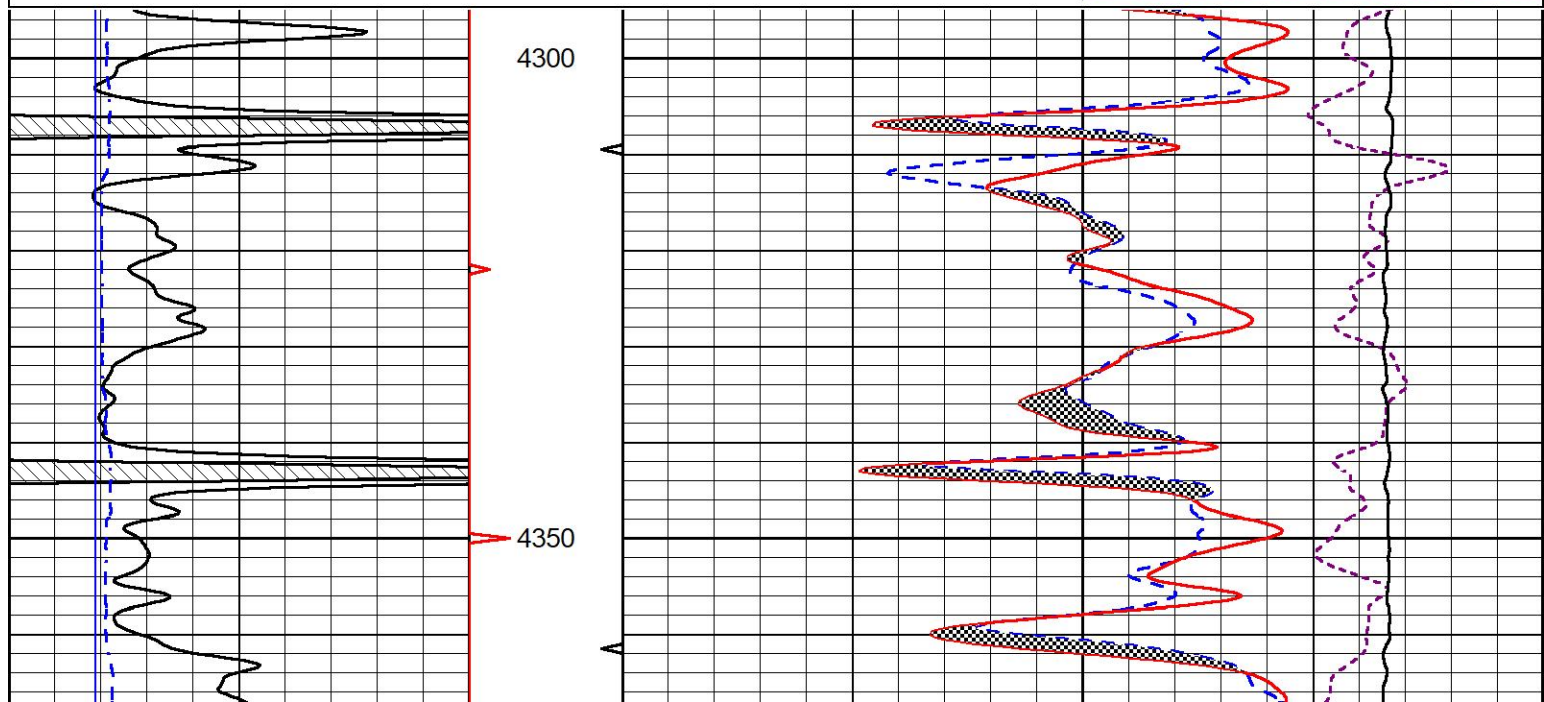
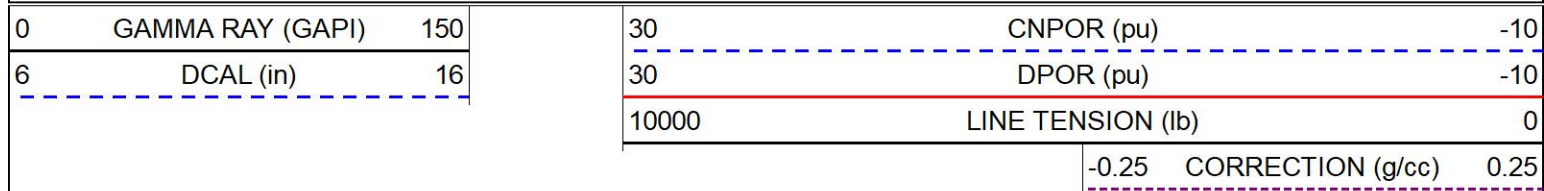


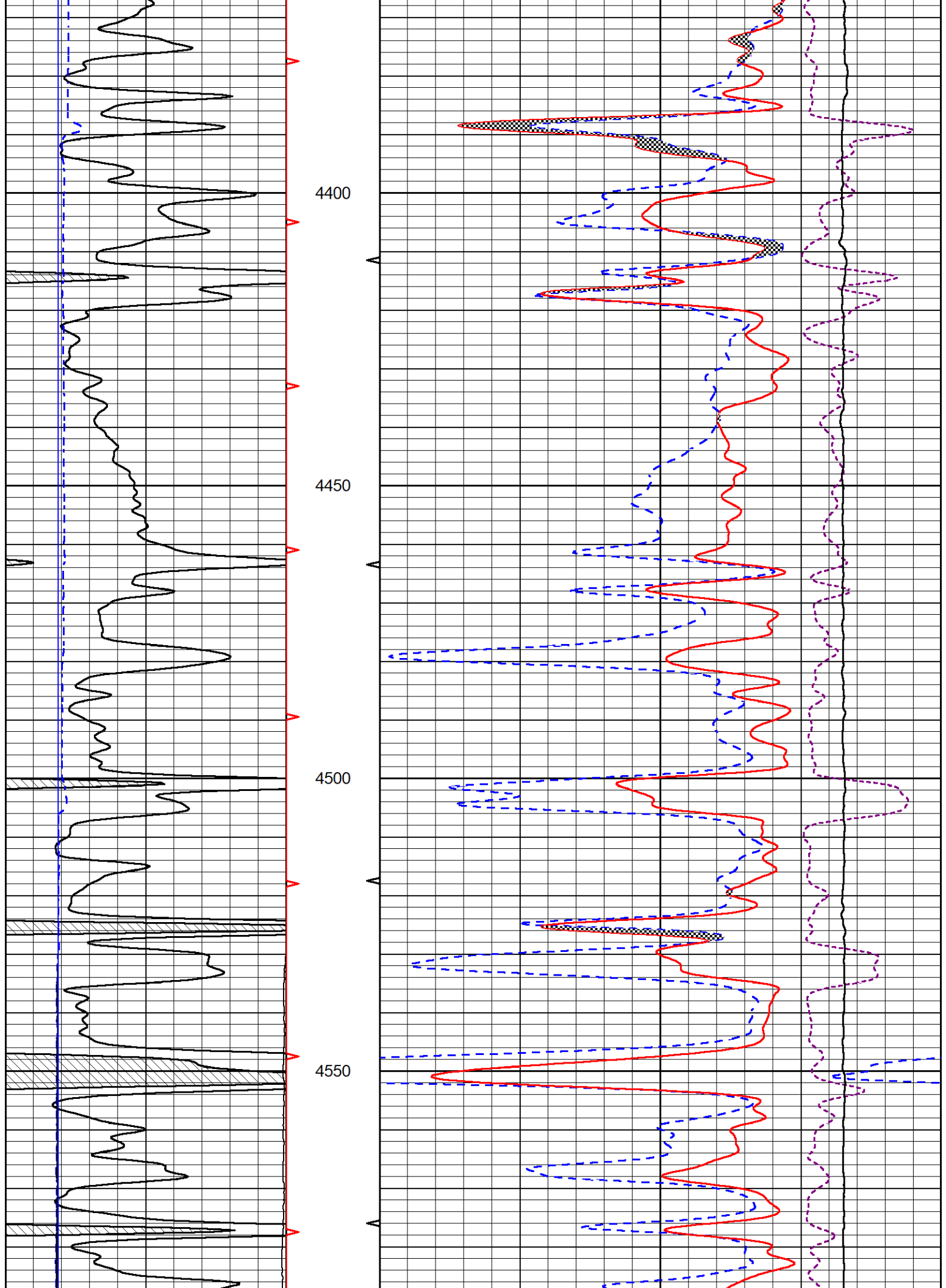
MIDWEST WIRELINE

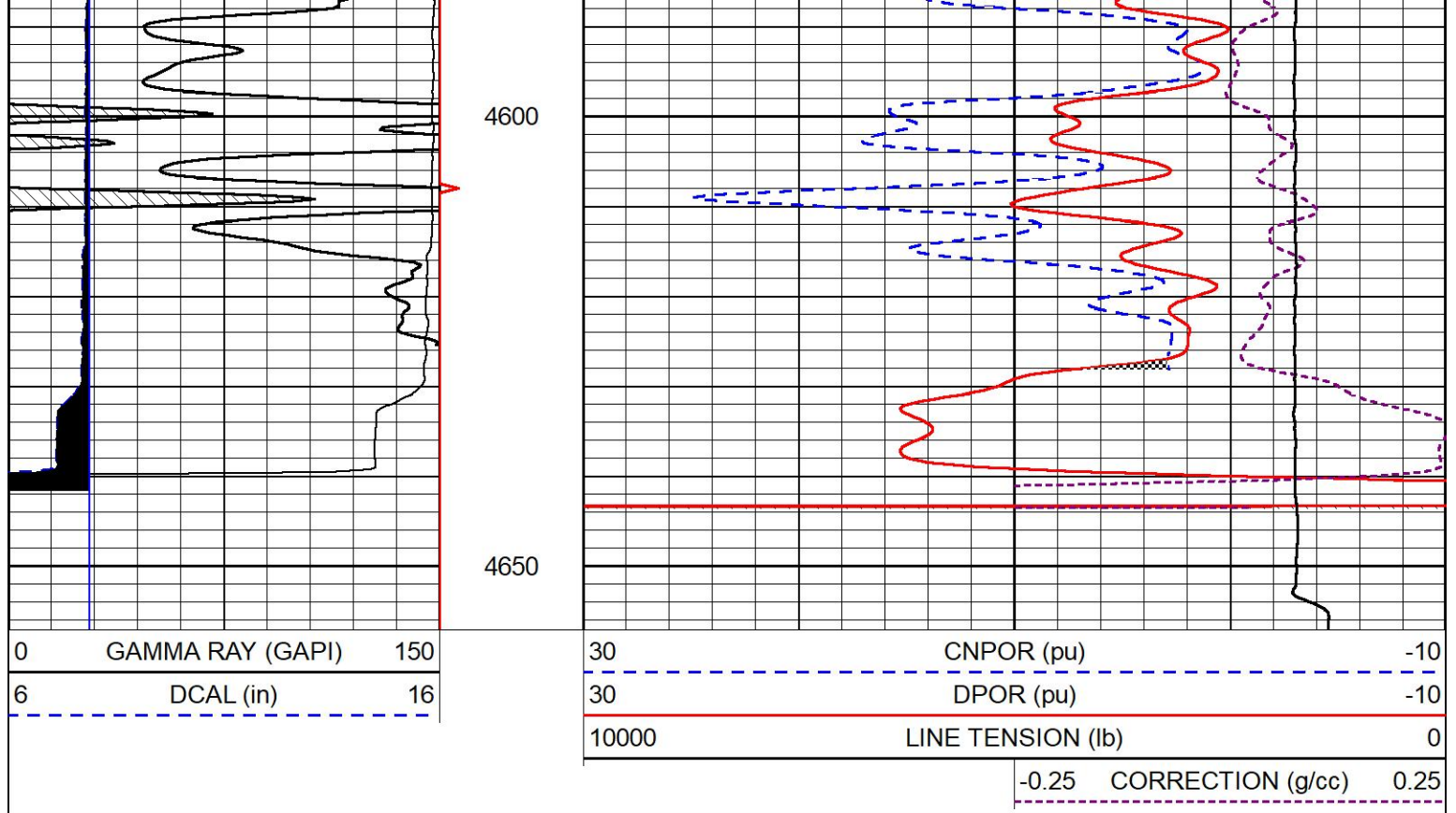
REPEAT SECTION

REPEAT PASS

Database File talon_hineman r #1-20.db
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 Presentation Format _CNDLS~1
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 Charted by Depth in Feet scaled 1:240







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State Kansas