



DUAL COMPENSATED
POROSITY w/PE

MIDWEST WIRELINE

Company Griffin Management LLC
Well Anna #2
Field Moffett
County Barber State Kansas

Location: API #: 15-007-24479-00-00

Other Services

Permanent Datum NW/NE SE SE
Log Measured From 1130 FSL & 380 FEL
Drilling Measured From Kelly Bushing
SEC 9 TWP 30S RGE 15W

Elevation 1955
K.B. 1960
D.F. G.L. 1955

Date 9/25/2023

Run Number One

Type Log CNL/CDL

Depth Driller 4833

Depth Logger 4834

Bottom Logged Interval 4805

Top Logged Interval 2800

Type Fluid In Hole Chemical

Salinity, PPM CL 4100

Density 9.35

Level Full

Max. Rec. Temp. F 124

Operating Rig Time 3 Hours

Equipment -- Location P-24 Hays

Recorded By T. Martin

Witnessed By Eli Felts

Borehole Record

Casing Record

Run No.

Bit

From

To

Size

Wgt.

From

To

One 12.25

00

259

8.625

23

00

259

Two 7.875

259

TD

<<< Fold Here >>>

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.

Croft, KS, S to 'Y', E to coral, E & S to location

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: Eli Felts
Secondary Witness:
Secondary Witness:
Secondary Witness:

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)	
GR	40.75		GR-M&W (102)	3.00	3.50	50.00	
CNLSC	37.65		CNT-M&W (207)	5.00	3.50	100.00	
CNSSC	36.90						

Log Variables

DatabaseC:\ProgramData\Warrior\Data\griffin_anna #2.db
Dataset field/well/StkMI/pass3.1/_vars_

Top - Bottom

BOREID in 7.875	BOTTEMP degF 124	CASEOD in 5.5	CASETHCK in 0	FLUIDDEN g/cc 1	MATRXDEN g/cc 2.71	NPORSEL Limestone	PERFS No
SNDERR mmho/m 1.5	SNDERRM mmho/m -4	SPSHIFT mV 240	SRFTEMP degF 80	SZCOR Off	TDEPTH ft 4834		

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

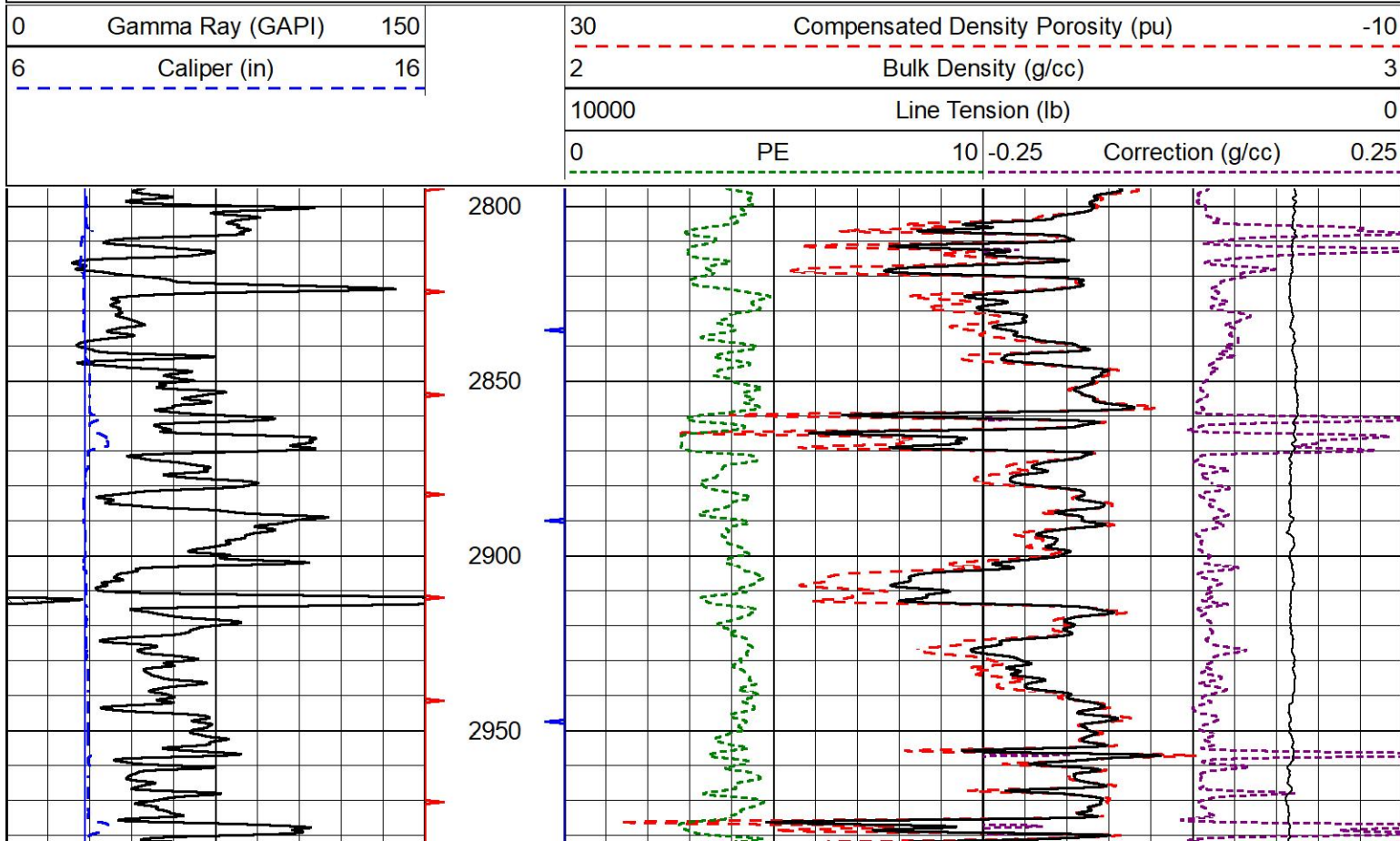


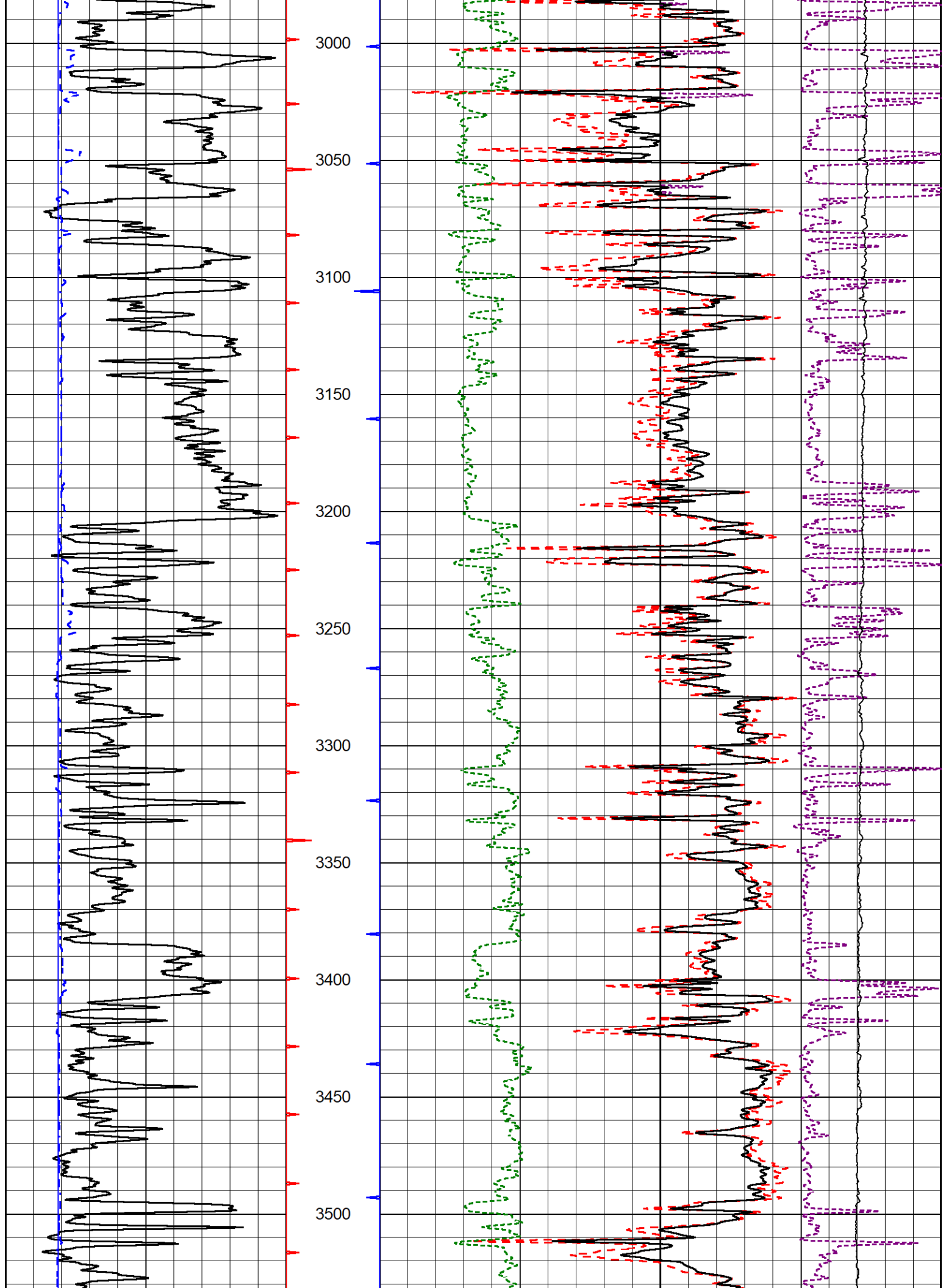
MIDWEST WIRELINE

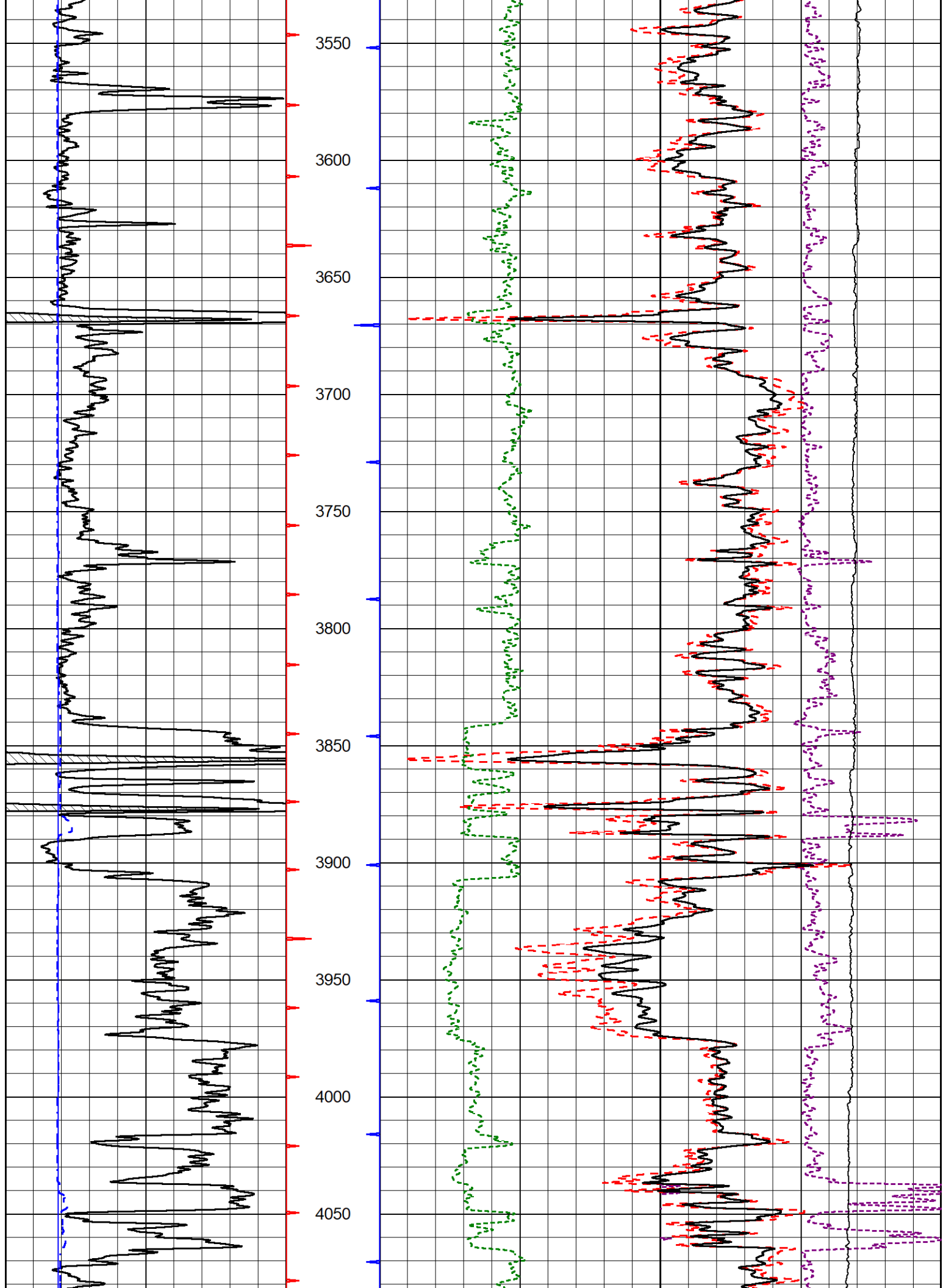
2" SCALE BULK DENSITY

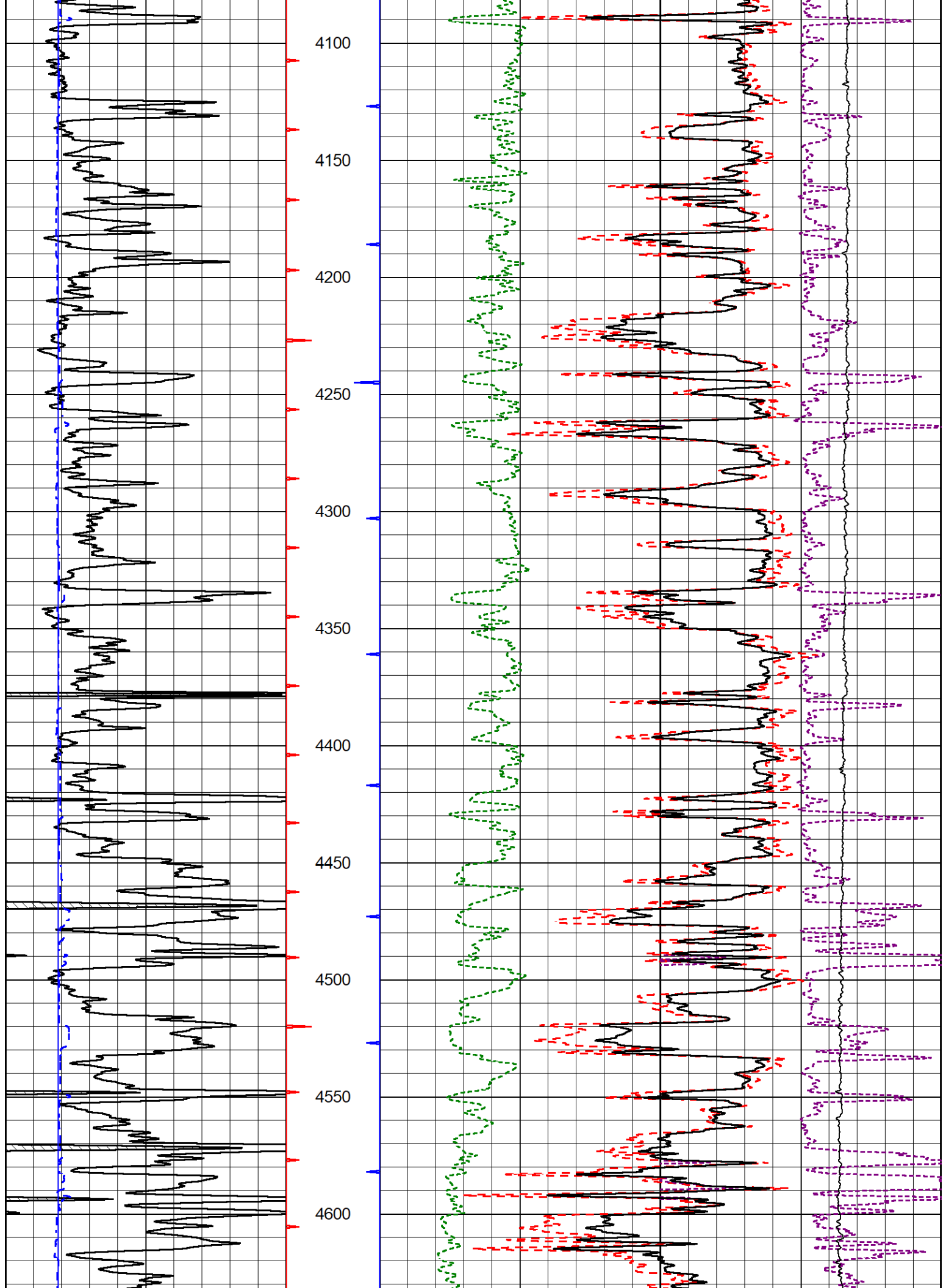
MAIN PASS

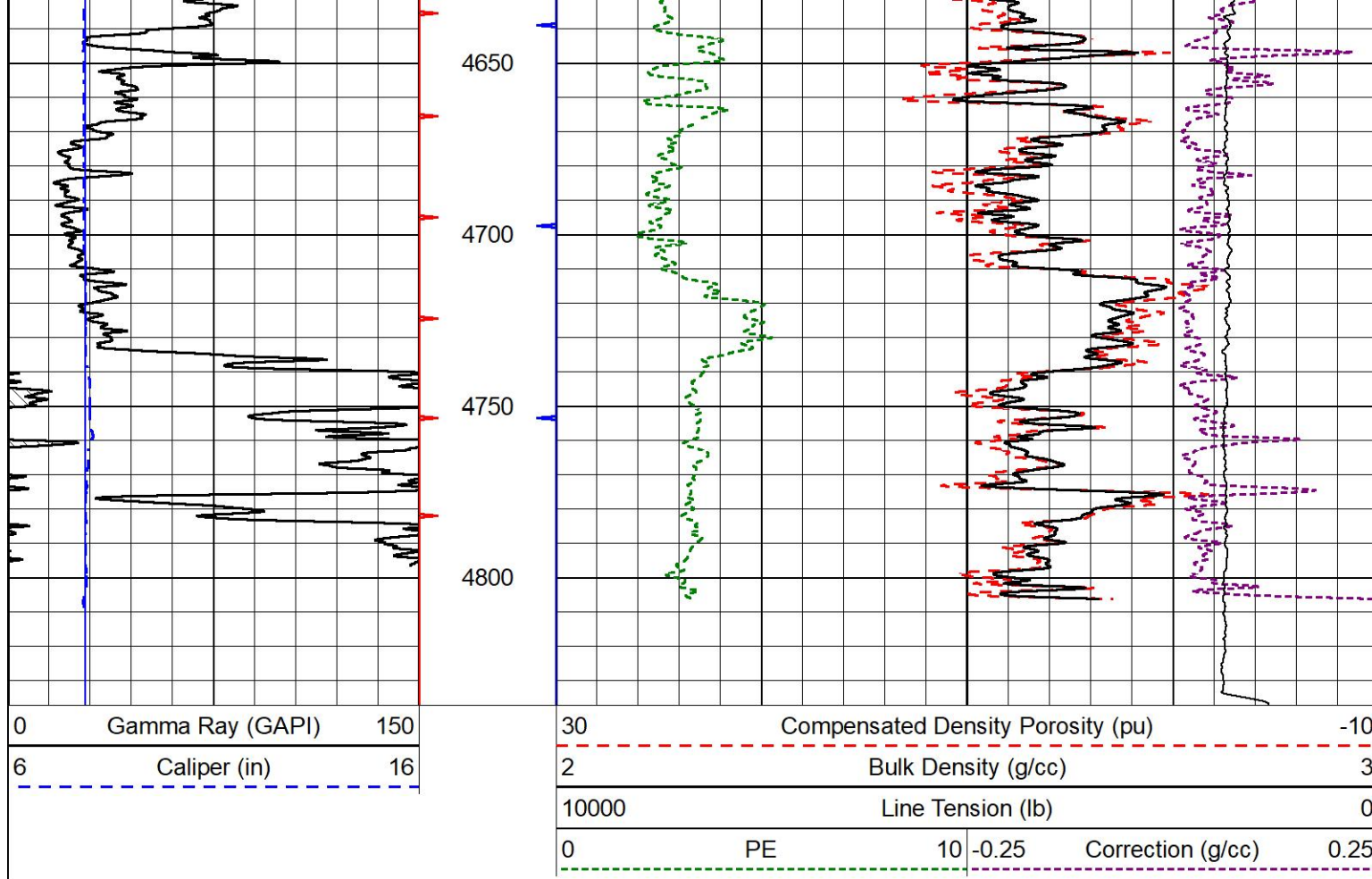
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Presentation Format _cdlpe
Dataset Creation Mon Sep 25 20:46:20 2023
Charted by Depth in Feet scaled 1:600







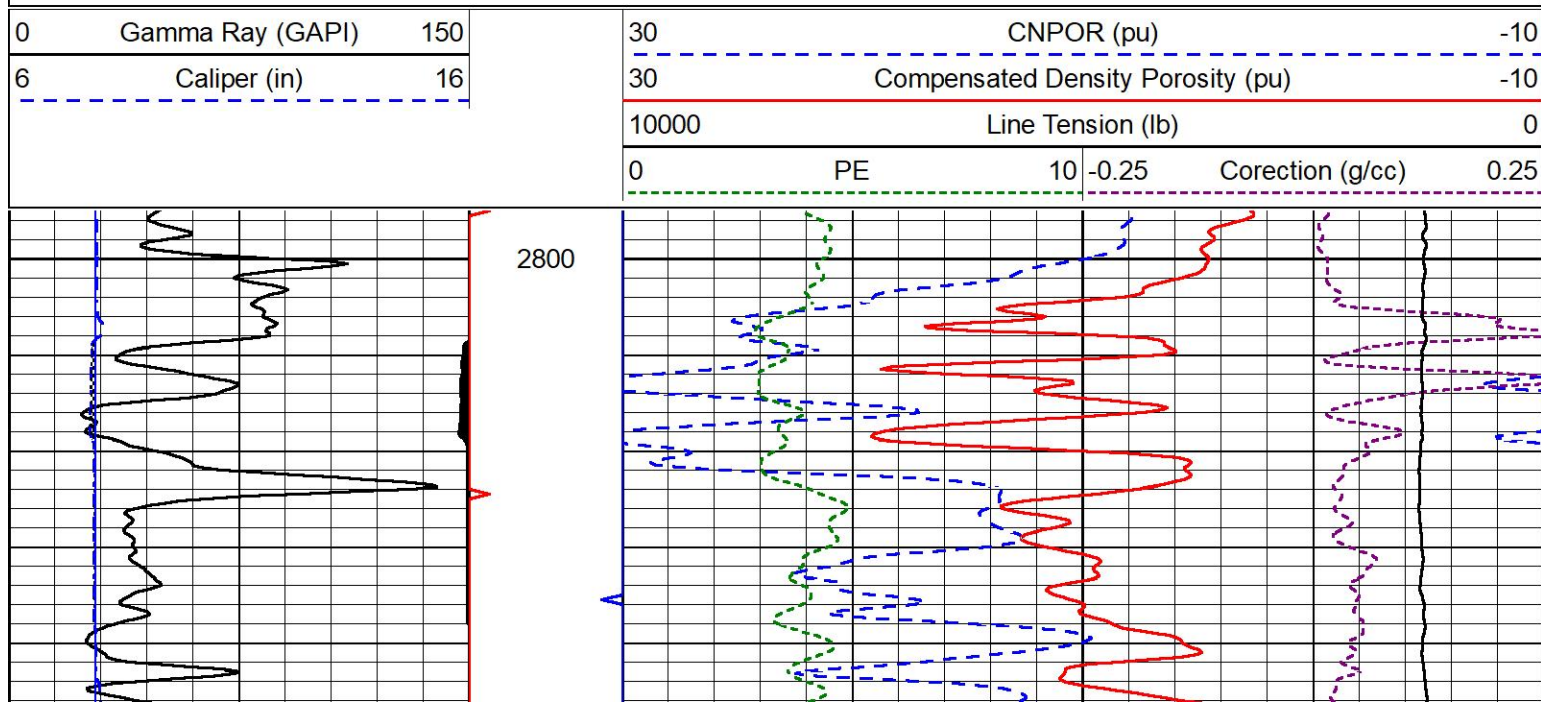


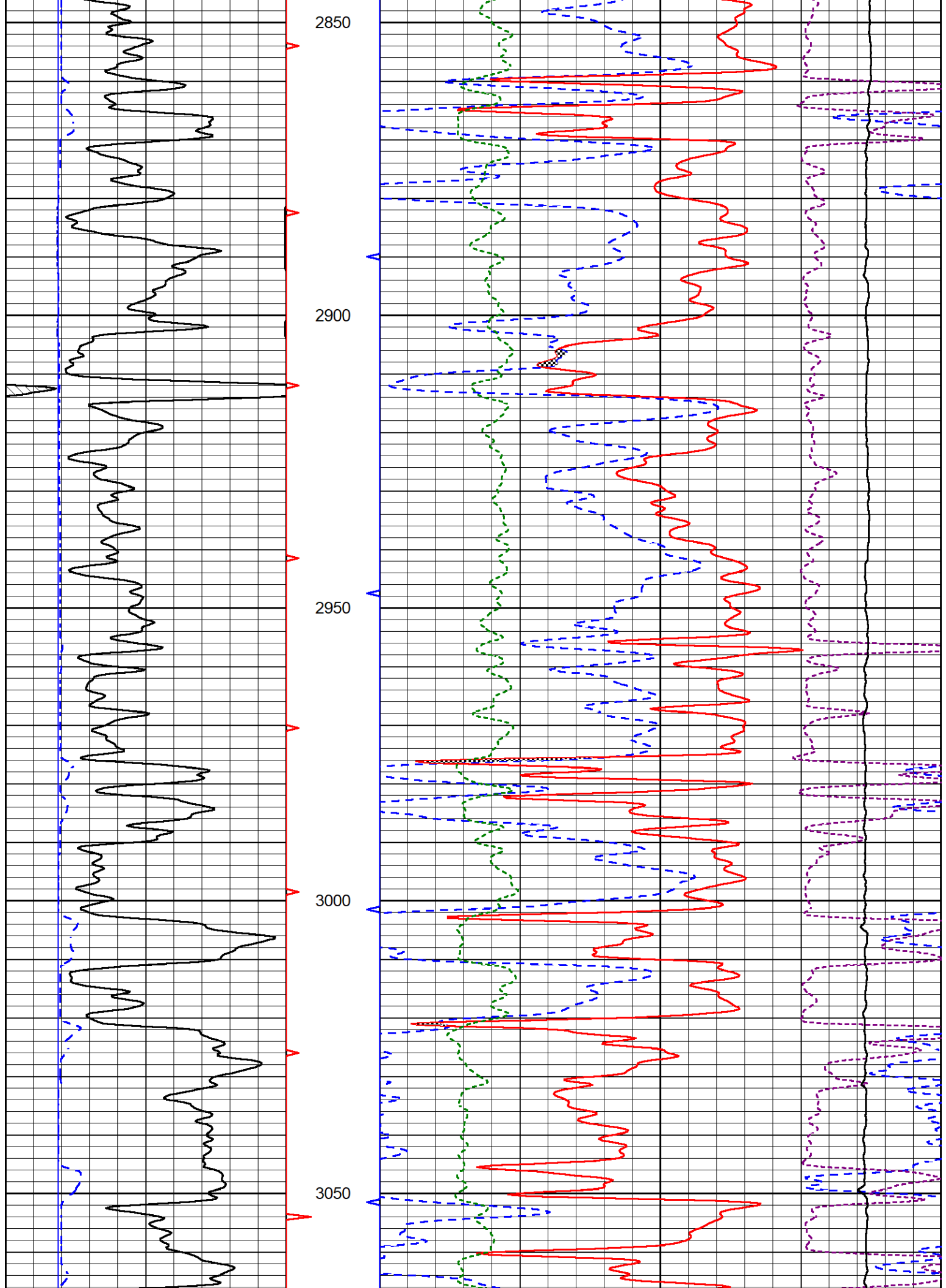


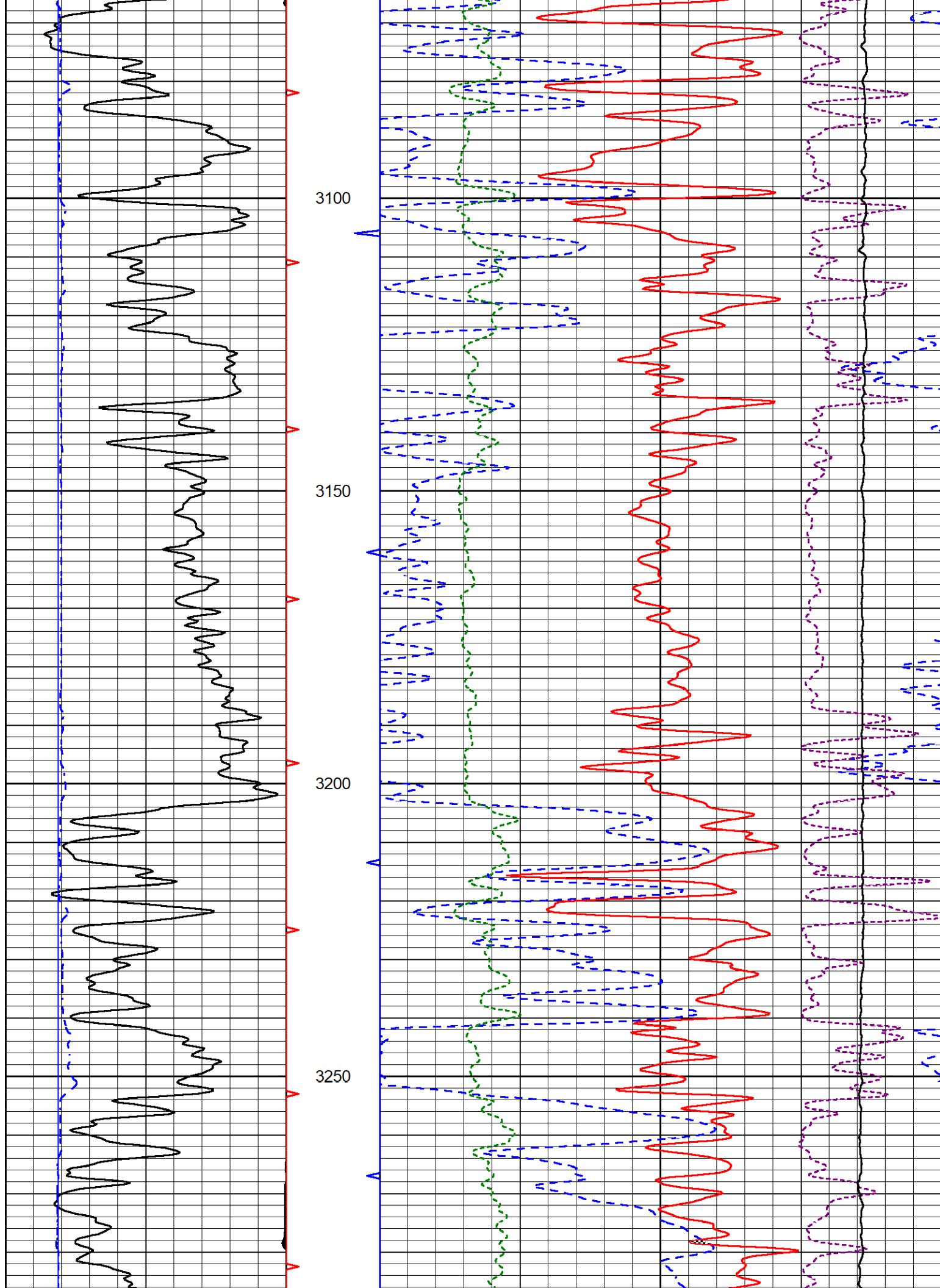
DETAIL SECTION

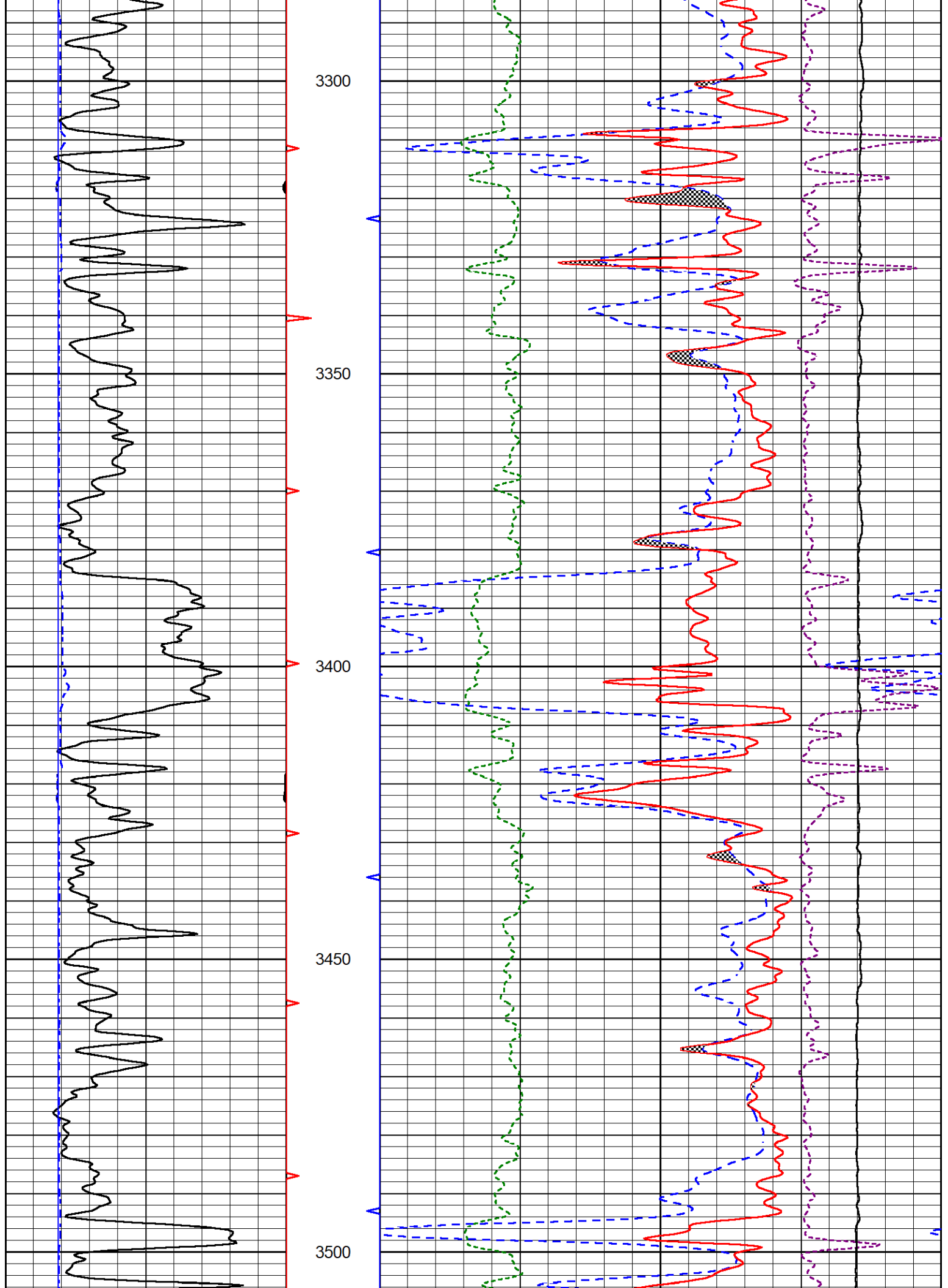
MAIN PASS

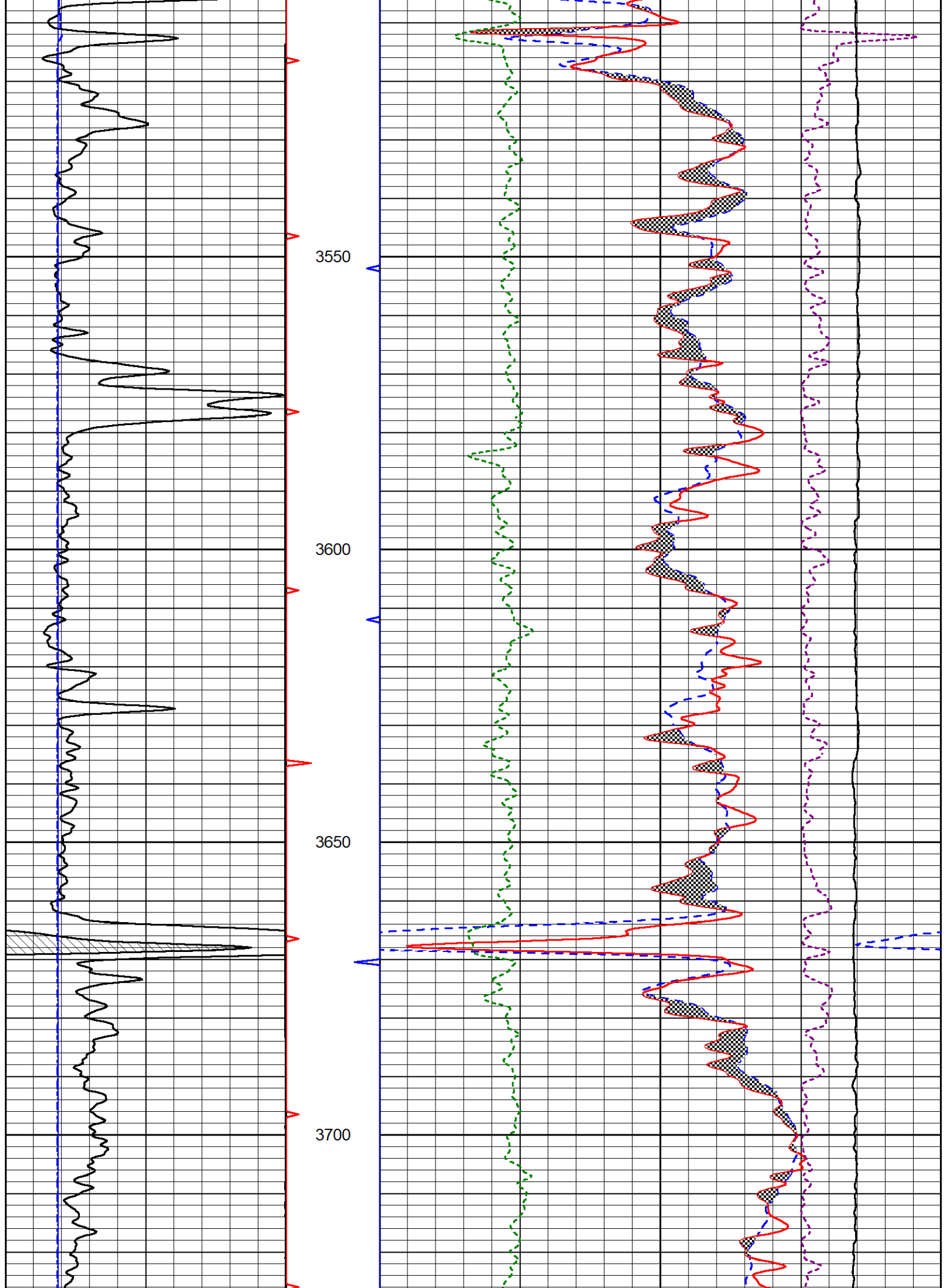
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 Presentation Format _CNDLS~4
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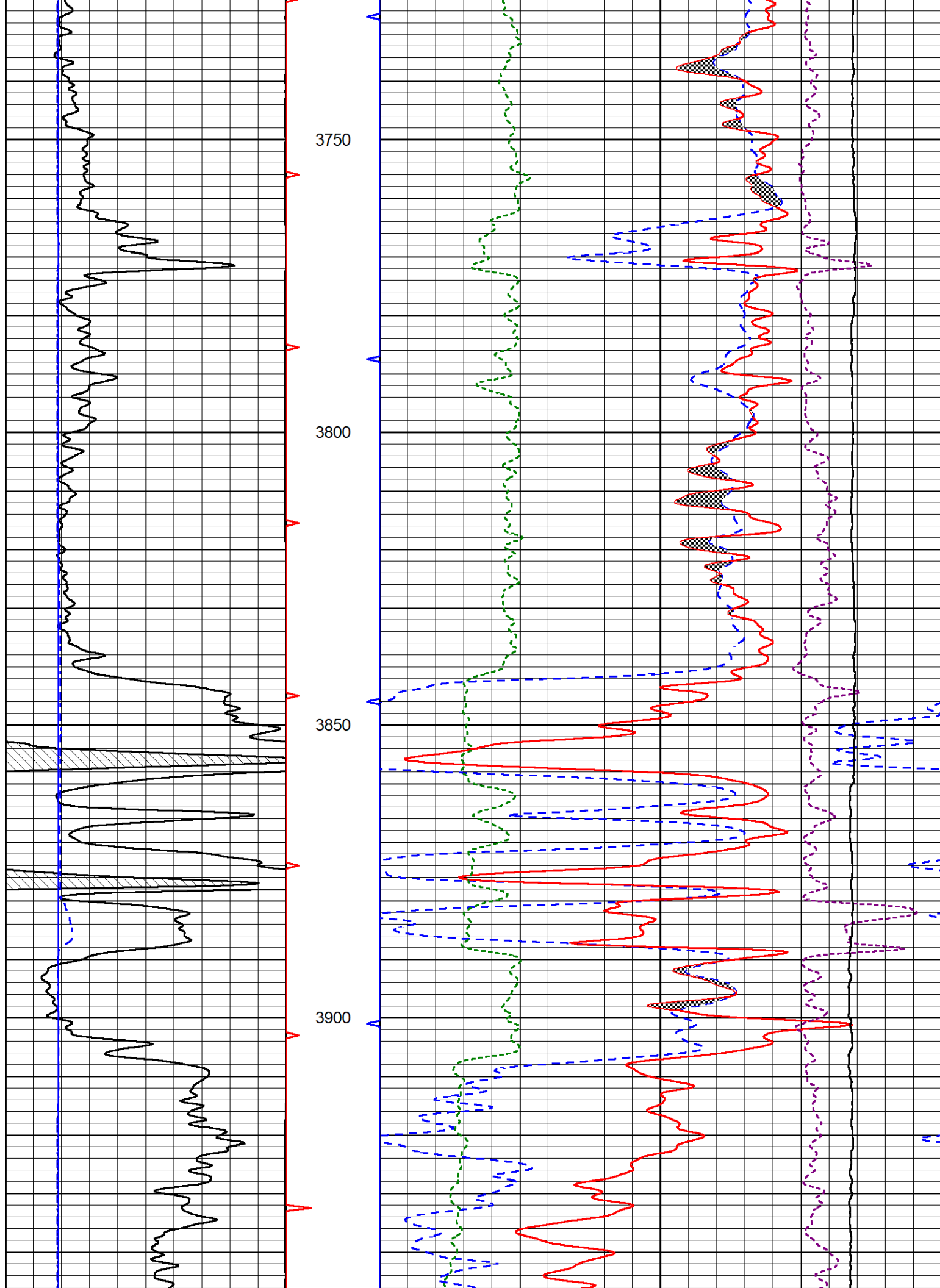


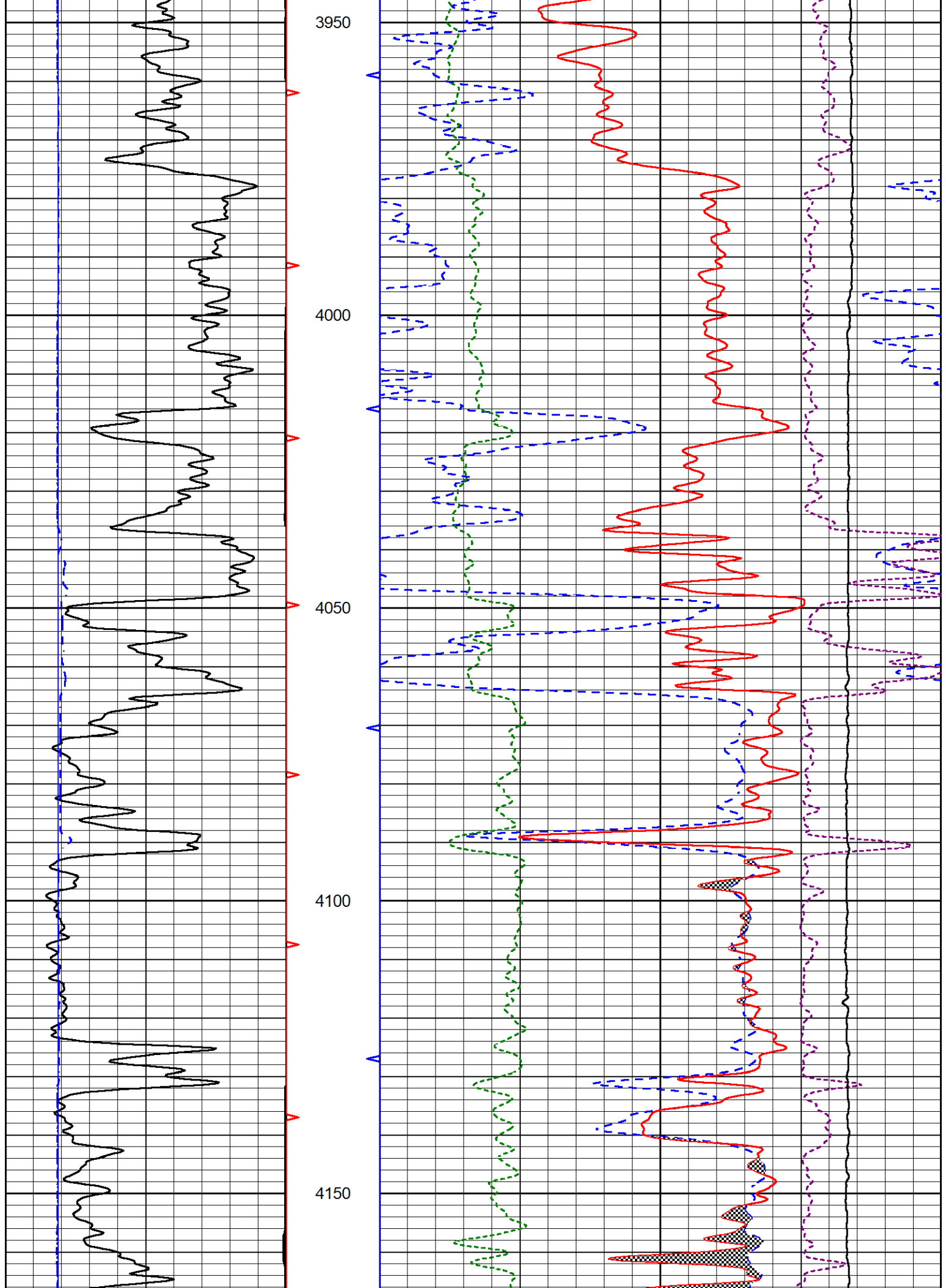


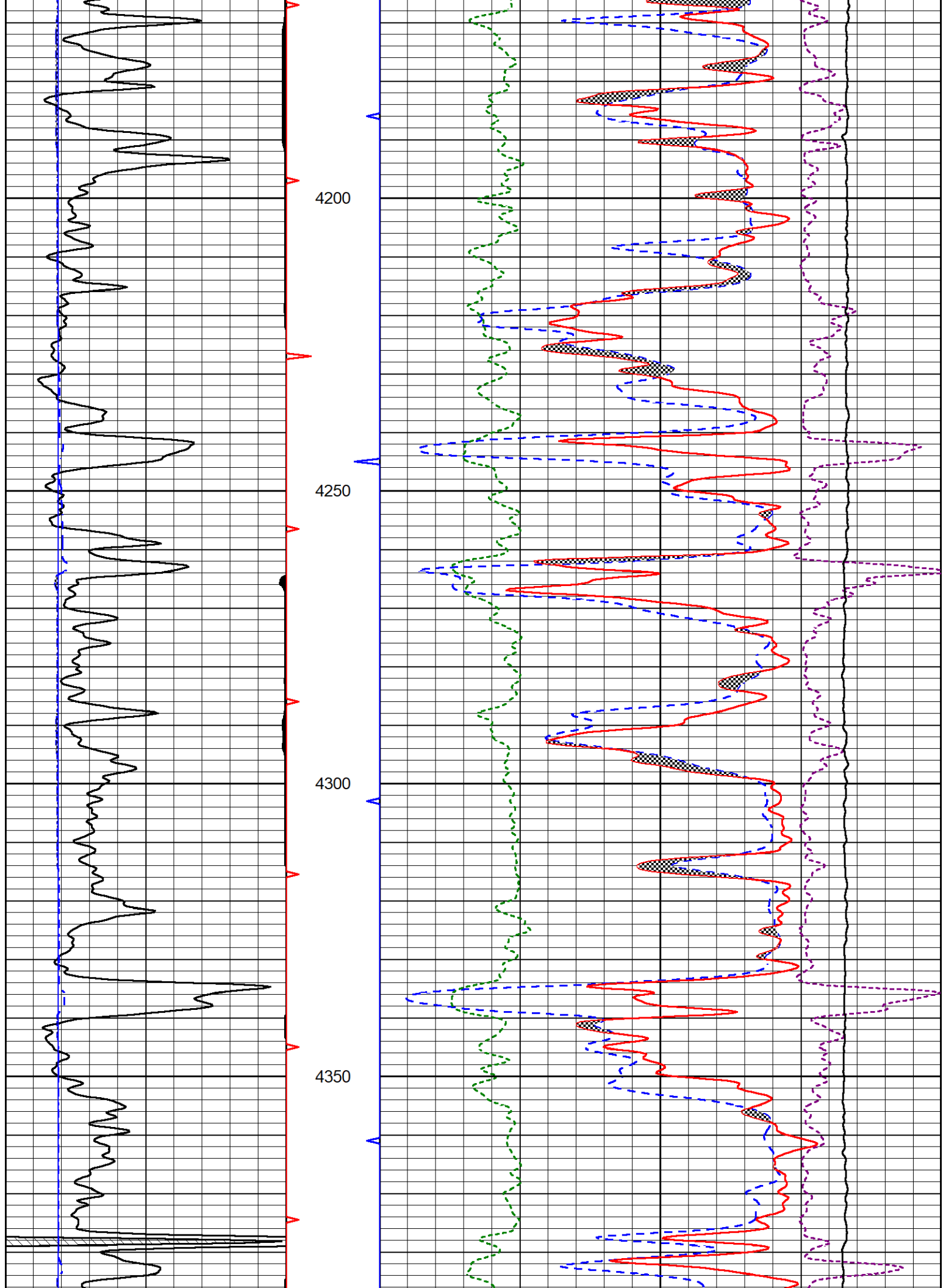


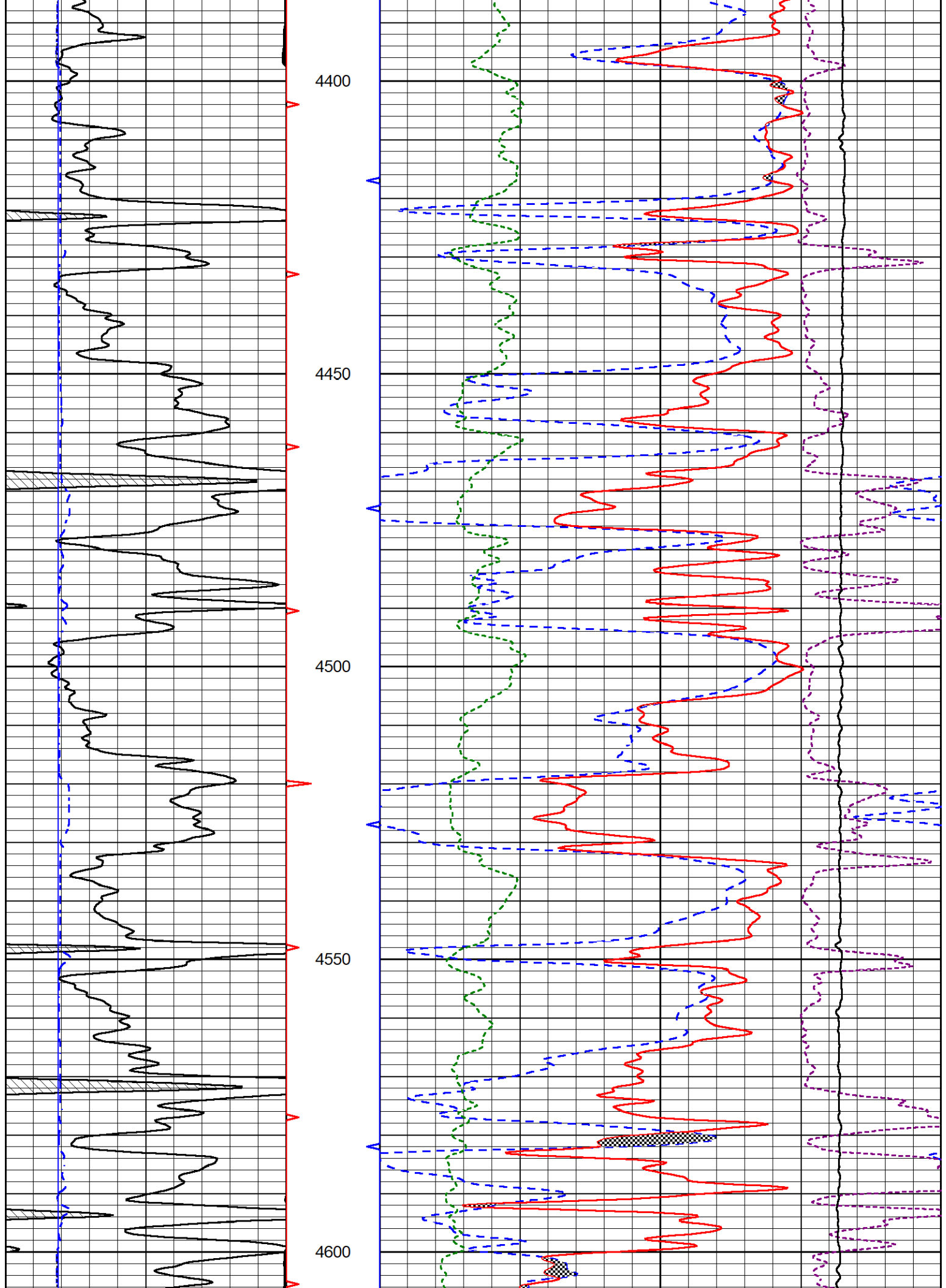


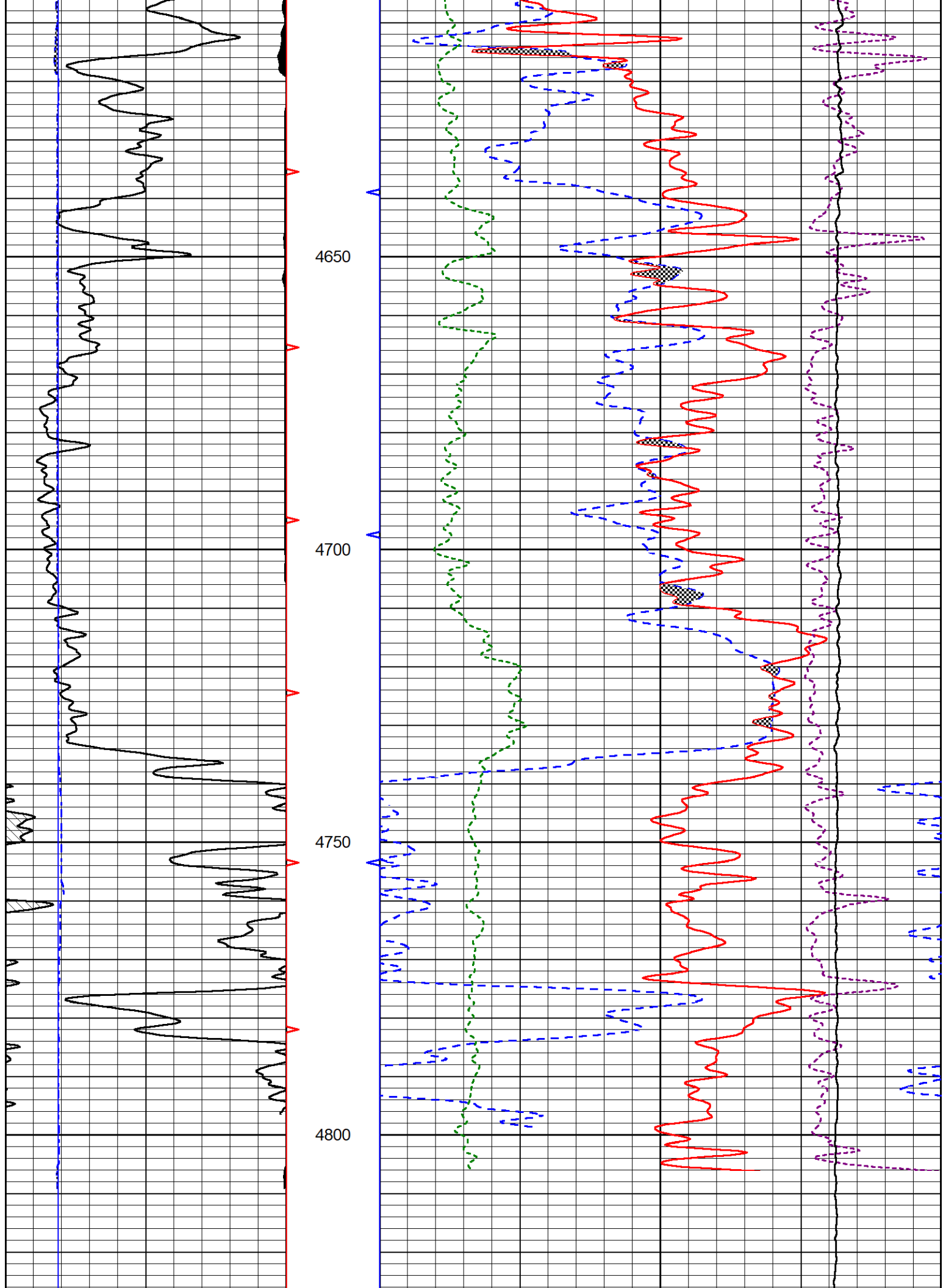












0	Gamma Ray (GAPI)	150	30	CNPOR (pu)	-10
6	Caliper (in)	16	30	Compensated Density Porosity (pu)	-10
			10000	Line Tension (lb)	0
0	PE	10	-0.25	Corection (g/cc)	0.25

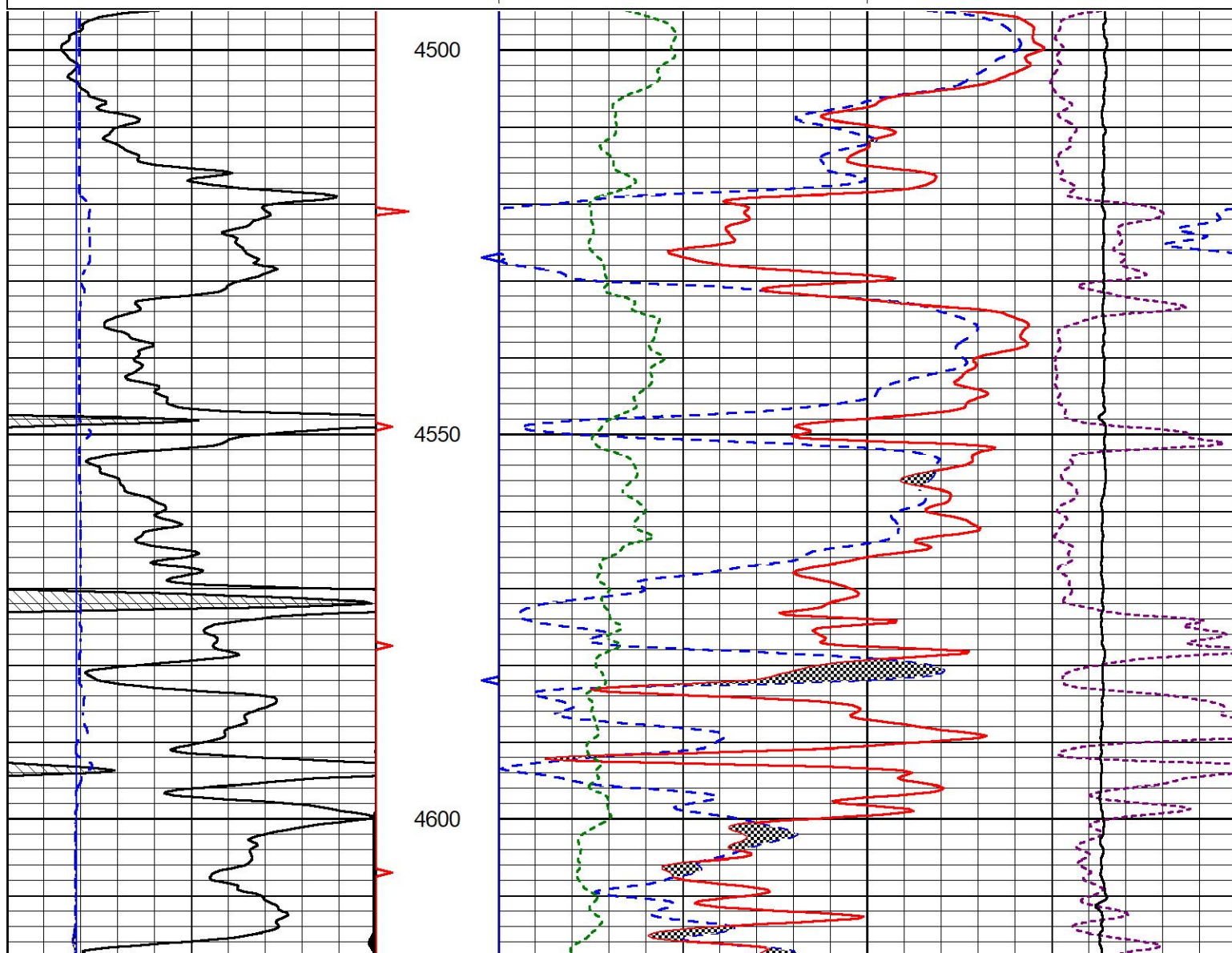


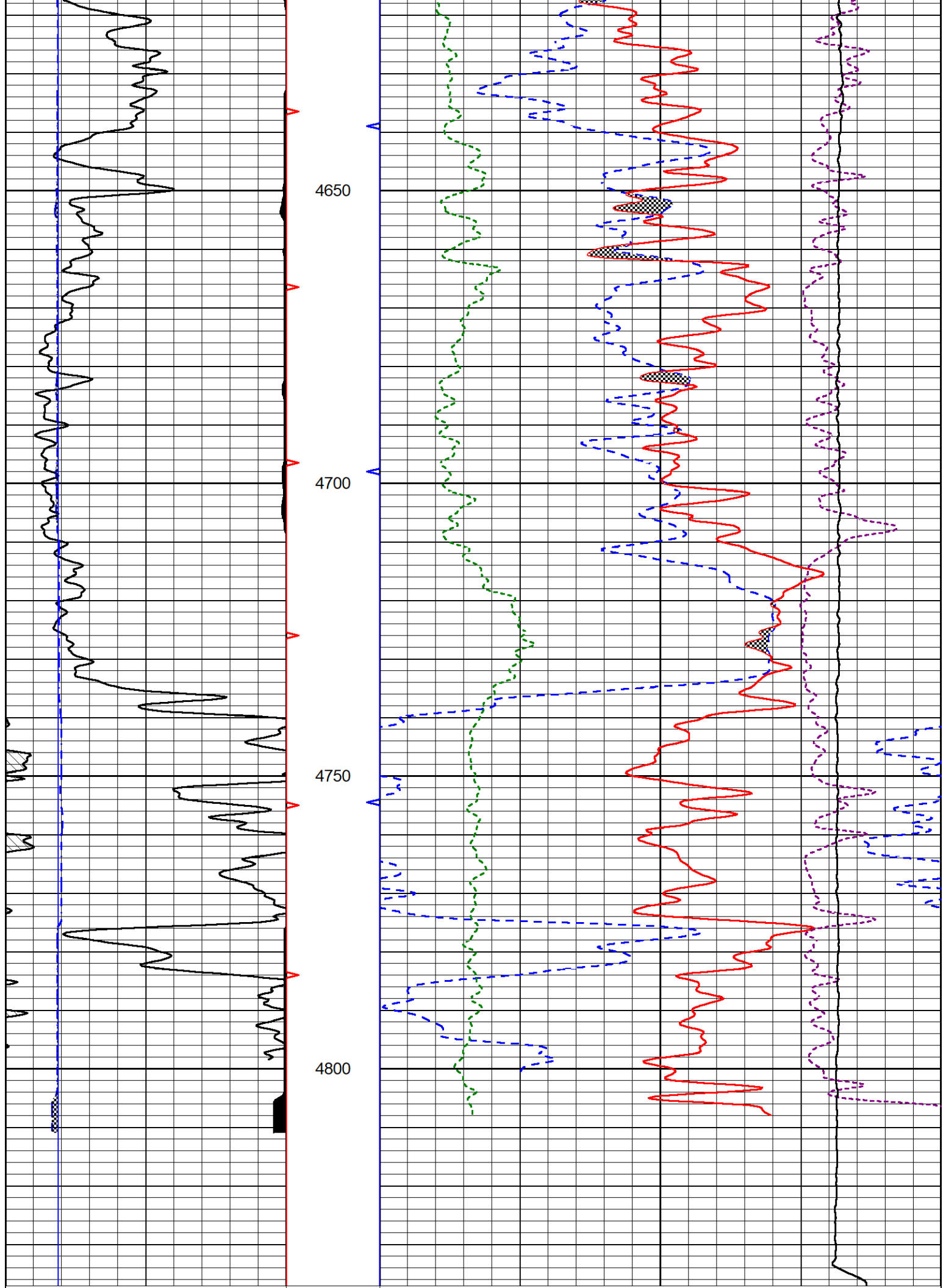
REPEAT SECTION

REPEAT PASS

Database File griffin_anna #2.db
 Dataset Pathname StkMI/pass2.1
 Presentation Format _CNDLS~4
 Dataset Creation Mon Sep 25 20:28:47 2023
 Charted by Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150	30	CNPOR (pu)	-10
6	Caliper (in)	16	30	Compensated Density Porosity (pu)	-10
			10000	Line Tension (lb)	0
0	PE	10	-0.25	Corection (g/cc)	0.25





Serial Number:	704-10								
Tool Model:	STEP LITHO								
Performed:	Fri Jun 23 15:26:01 2023								
Source:									
	Win1	Win2	Win3	Win4	Win5	Win6	Win7	Win8	
Background:									
SS:	51	54	202	252	21	70	42	1	cps
LS:	85	96	363	462	53	147	97	3	cps
Aluminum:									
SS:	870	1018	2321	2004	37	71	43	2	cps
LS:	1057	1828	3315	1570	61	147	91	5	cps
Magnesium:									
SS:	1459	1669	3829	2914	42	70	46	3	cps
LS:	4526	7550	13047	4982	98	135	93	13	cps
Aluminum+Iron:									
SS:	553	719	1939	1750	37	72	45	2	cps
LS:	613	1297	2812	1404	60	146	96	4	cps
	Density				PE				
	Actual	Calibrated			Actual	Calibrated	Quality		
Background:									

SS:							0.245
LS:							0.205
Aluminum:							
SS:	2.6000	2.6000	g/cc				0.240
LS:	2.6000	2.6000	g/cc				0.236
Magnesium:							
SS:	1.6800	1.6800	g/cc	2.5700	2.5700		0.210
LS:	1.6800	1.6800	g/cc	2.5700	2.5700		0.184
Aluminum+Iron:							
SS:					6.1800		0.228
LS:					6.1800		0.206

Before Survey							
Performed:	Wed Feb	9 13:15:42	2022				
SS:	0	0	0	0	0	0	cps
LS:	1370	1580	3705	3037	48	80	50
							4 cps
After Survey							
Performed:	Wed Feb	9 13:16:02	2022				
SS:	0	0	0	0	0	0	cps
LS:	1400	1600	3800	3100	60	100	70
							6 cps

Caliper:	Reference:	Reading:
Small Ring:	6.0 in	0.2
Large Ring:	15.0 in	0.8
Gain:	16.161	
Offset:	1.050	

Compensated Neutron Calibration Report

Serial Number:	207
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		
Long Space	cps	pu	pu
2) Short Space	cps		
Long Space	cps	pu	
3) Short Space	cps		
Long Space	cps	pu	

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

Gamma Ray Calibration Report

Serial Number:	102
Tool Model:	M&W
Performed:	Fri Aug 24 11:16:10 2018

Calibrator Value:	1.0	GAPI
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Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps

Sensitivity:	0.5250	GAPI/cps
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MIDWEST WIRELINE

Company	Griffin Management LLC
Well	Anna #2
Field	Moffett
County	Barber
State	Kansas