



MIDWEST WIRELINE

DUAL COMP POROSITY LOG

Company Griffin Management, LLC
Well Gary #3
Field Turkey Creek East
County Barber State Kansas

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Field Turkey Creek East
County Barber
State Kansas

Location: API #: 15-007-24481-00-00
660 FNL & 990 FWL
SEC 15 TWP 30S RGE 15W
Permanent Datum Ground Level Elevation 1932
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing
Other Services
DIL/MEL
K.B. 1937
D.F. G.L. 1932

Date 10/11/2023

Run Number One
Type Log CNL/CDL
Depth Driller 4804
Depth Logger 4805
Bottom Logged Interval 4776
Top Logged Interval 2800
Type Fluid In Hole Chemical
Salinity, PPM CL 10000
Density 9.4
Level Full
Max. Rec. Temp. F 124
Operating Rig Time 3 Hours
Equipment -- Location P-108 HAYS
Recorded By D. Schmidt
Witnessed By Eli Felts

Borehole Record

Casing Record

Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	0	892	8.625	23	0	259
Two	7.875	892	TD				

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All interpretations are opinions based on inferences from electrical or other measurements and Midwest Wireline LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Midwest Wireline 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,
1 South, 1 East,
South & East 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: D. Schmidt
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	40.23		GR-M&W (105)	3.00	3.50	50.00	
CNLSC CNSSC	37.13 36.38		CNT-M&W (210)	5.00	3.50	100.00	
			MWLith-STEP LITHO Short (701-01)	8.40	5.00	250.00	
LCAL	28.21			ML-PSI STKBL ML (402)	7.58	4.00	65.00
LLW8N	28.21						
LLW7N	28.21						
LLW6N	28.21						
LLW5N	28.21						
LLW4N	28.21						
LLW3N	28.21						
LLW2N	28.21						
LLW1N	28.21						
LSLOCK	27.96						
LLLOCK	27.96						
PELTMPR	27.96						
LSHVNG	27.96						
LLHVNG	27.96						
LSW8N	27.71						
LSW7N	27.71						
LSW6N	27.71						
LSW5N	27.71						
LSW4N	27.71						
LSW3N	27.71						
LSW2N	27.71						
LSW1N	27.71						
MCAL	19.58		DIL-M&W (505 HT)	18.25	3.50	220.00	
MI	19.58						
MN	19.58						
RLL3F	15.50						
RLL3	15.50						
CILD	8.33						
CILM	4.50						
SP	0.20						

Dataset: griffin_gary 3.db: field/well/stkml/pass3.5
Total length: 42.23 ft
Total weight: 685.00 lb
O.D.: 5.00 in

Log Variables

DatabaseC:\ProgramData\Warrior\Data\griffin_gary 3.db
Dataset field/well/stkml/pass3.5/_vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in 7.875	degF 124	in 5.5	in 0	g/cc 1	2	g/cc 2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	No	mmho/m -9	mmho/m -2	mV 382	degF 50	Off	ft 4805

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



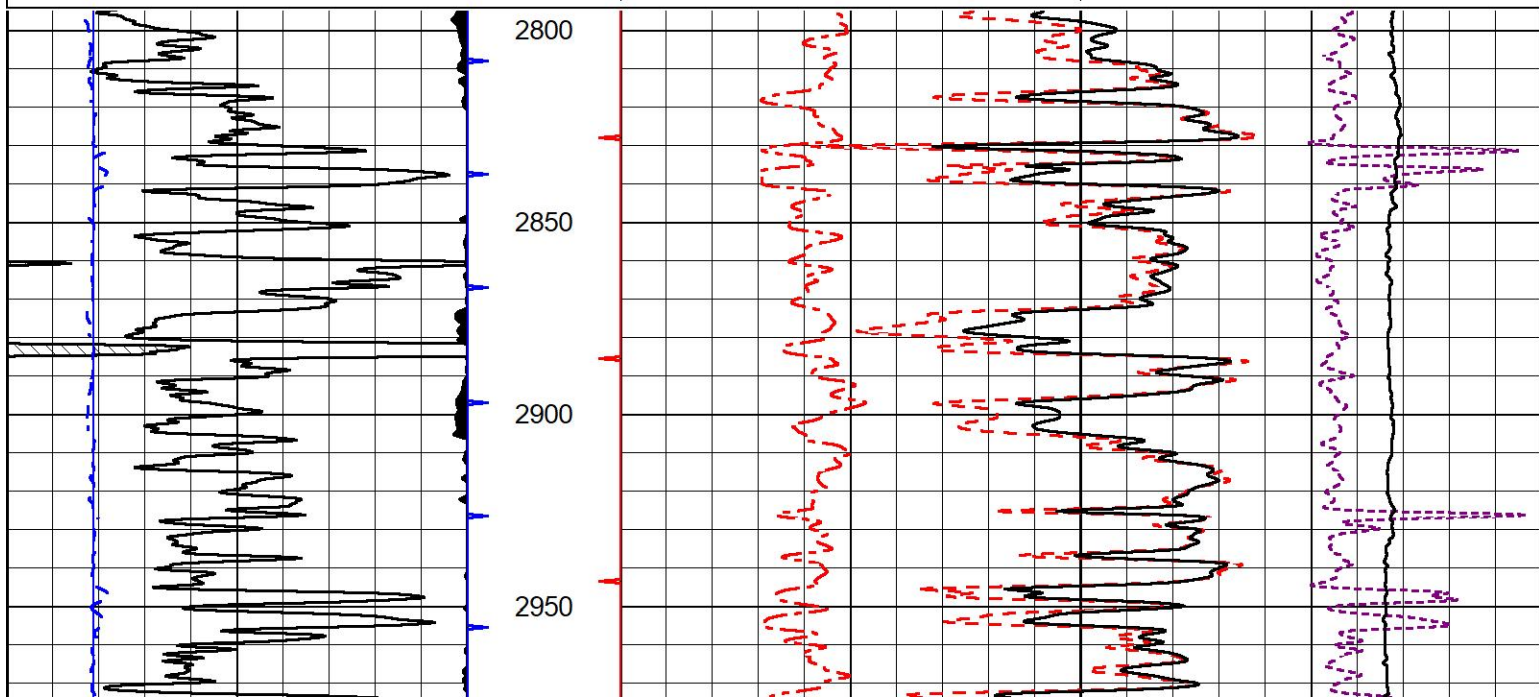
MIDWEST WIRELINE

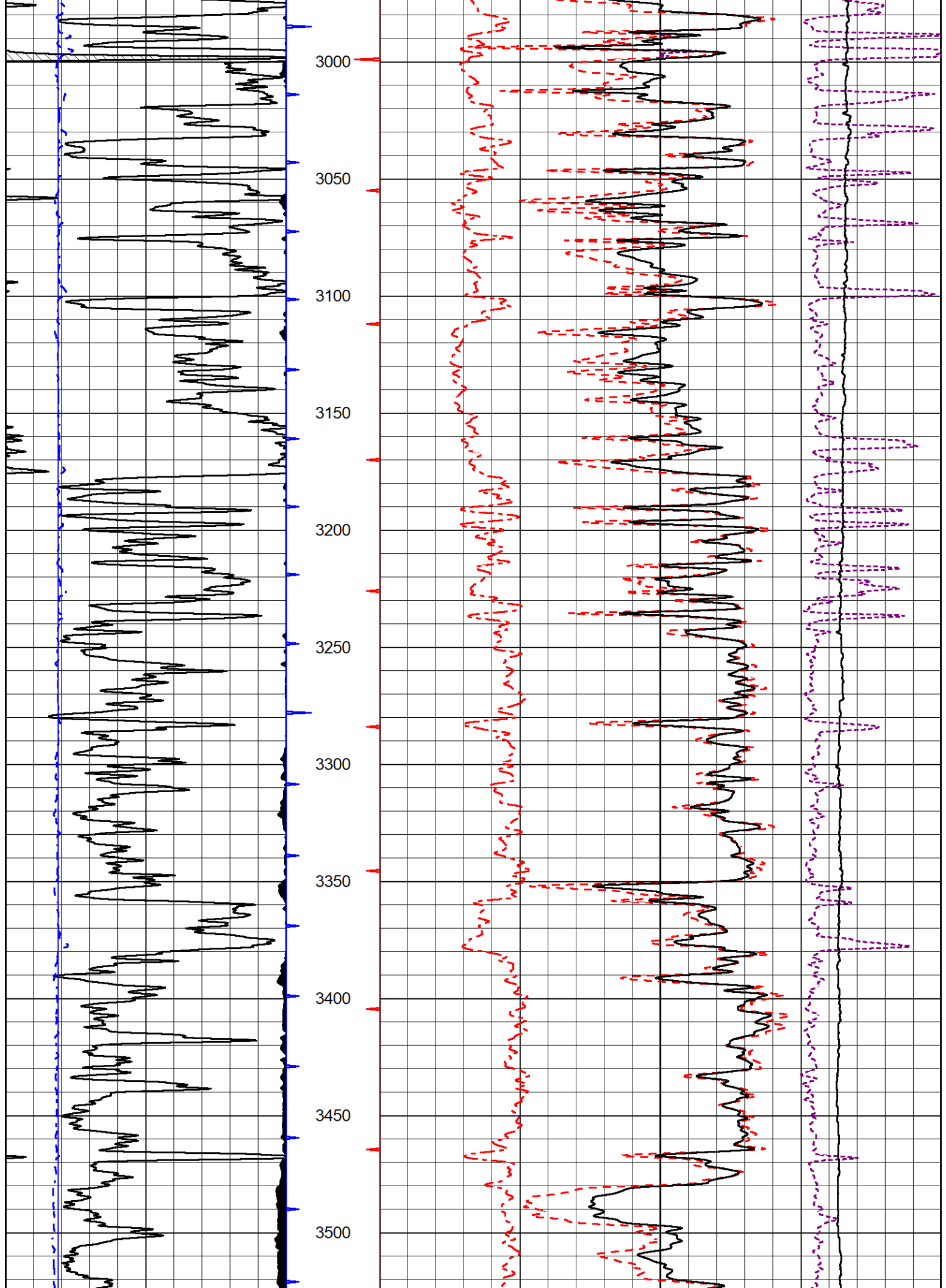
2" SCALE BULK DENSITY

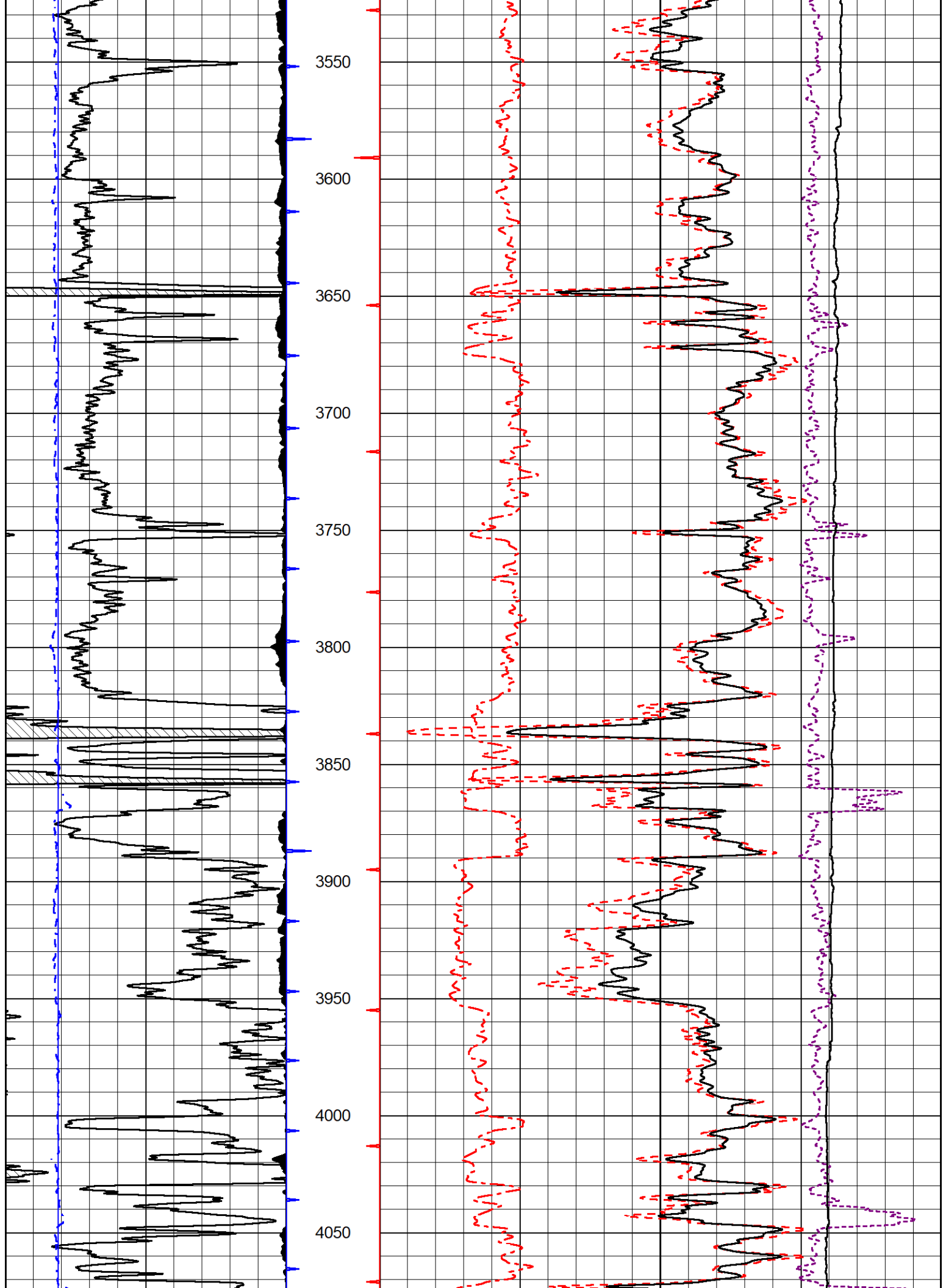
MAIN PASS

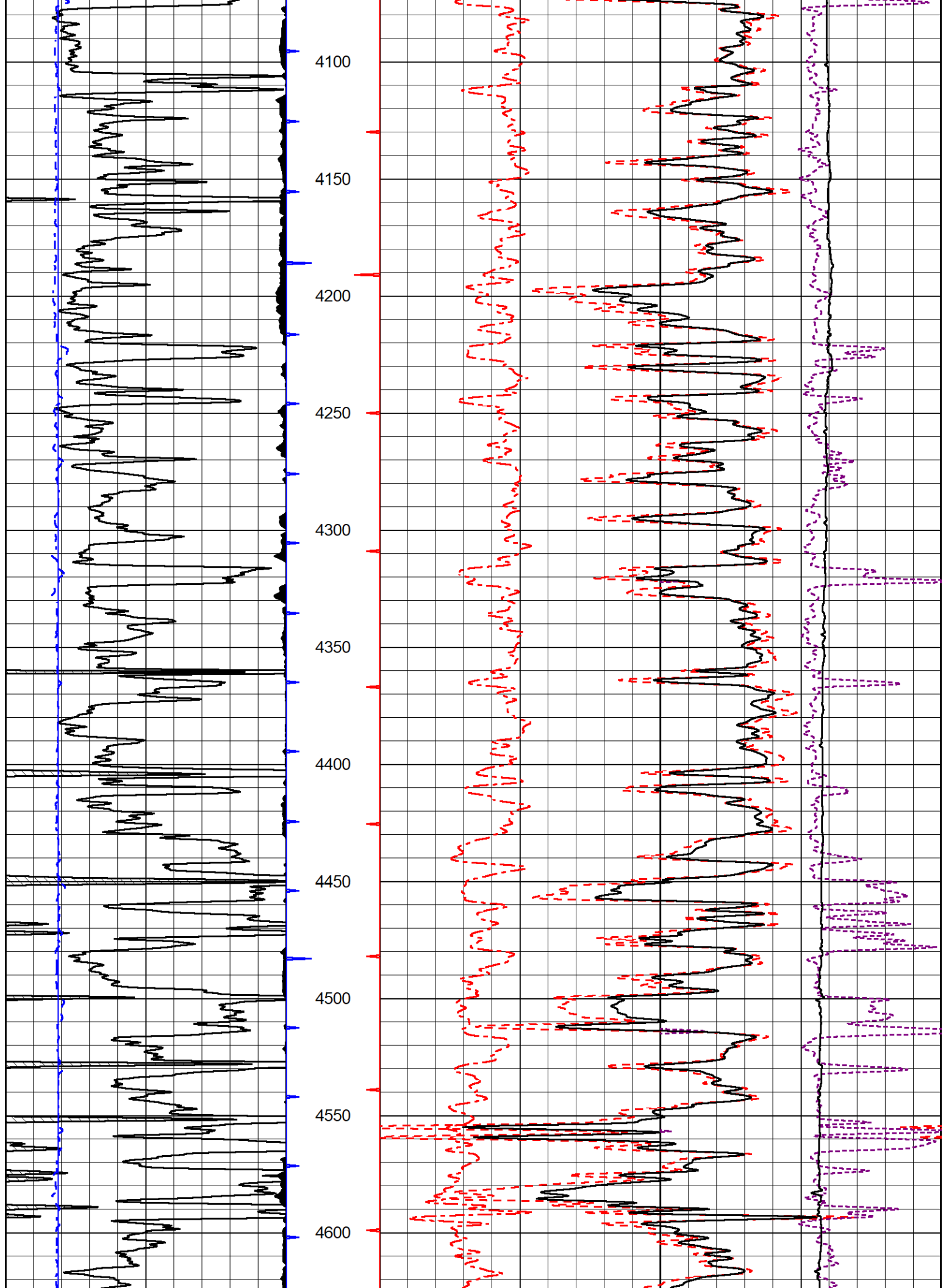
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Presentation Format _cdlpe
Dataset Creation Wed Oct 11 06:28:46 2023
Charted by Depth in Feet scaled 1:600

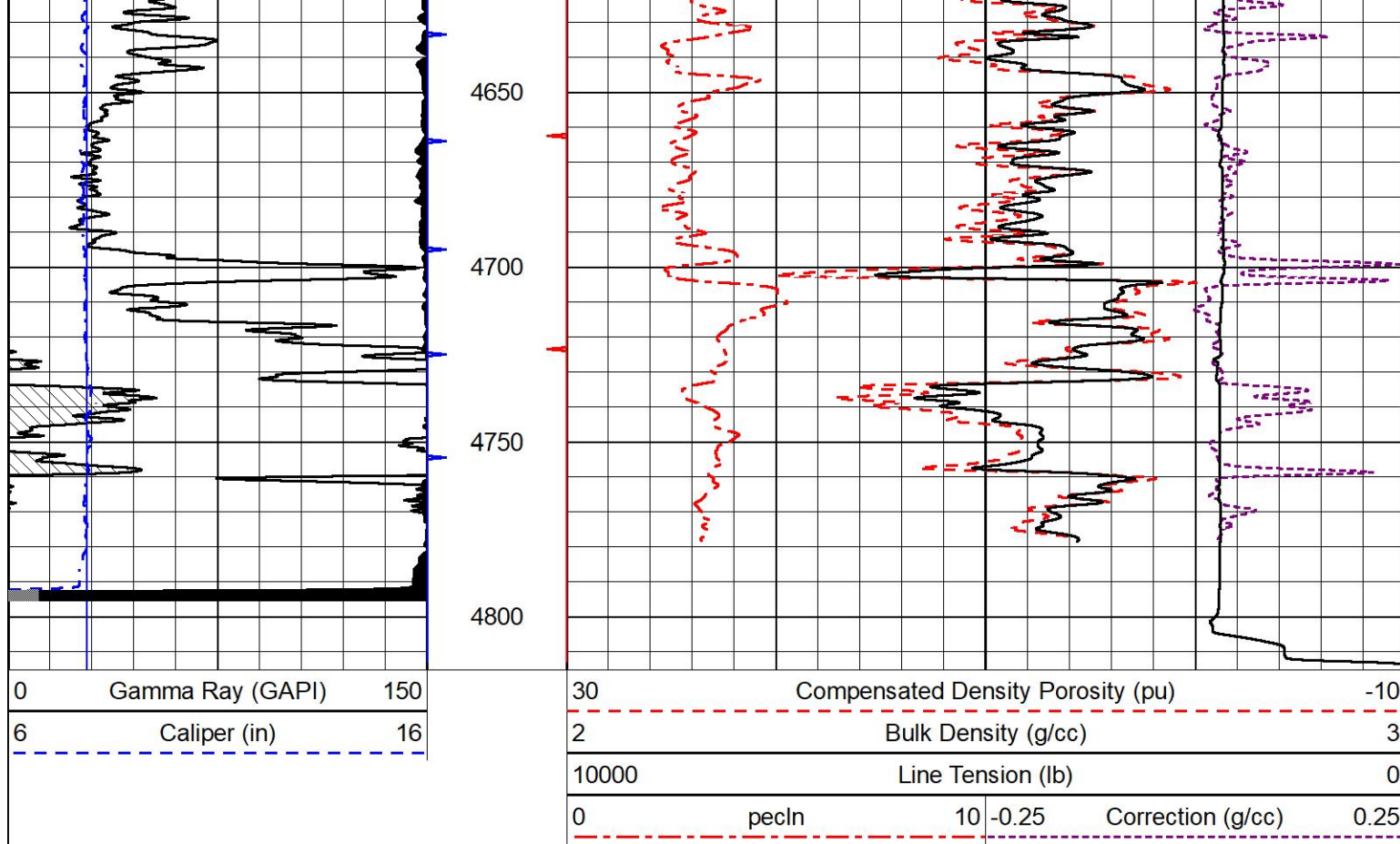
0	Gamma Ray (GAPI)	150	30	Compensated Density Porosity (pu)	-10
6	Caliper (in)	16	2	Bulk Density (g/cc)	3
			10000	Line Tension (lb)	0
			0	pecln	10 -0.25
				Correction (g/cc)	0.25







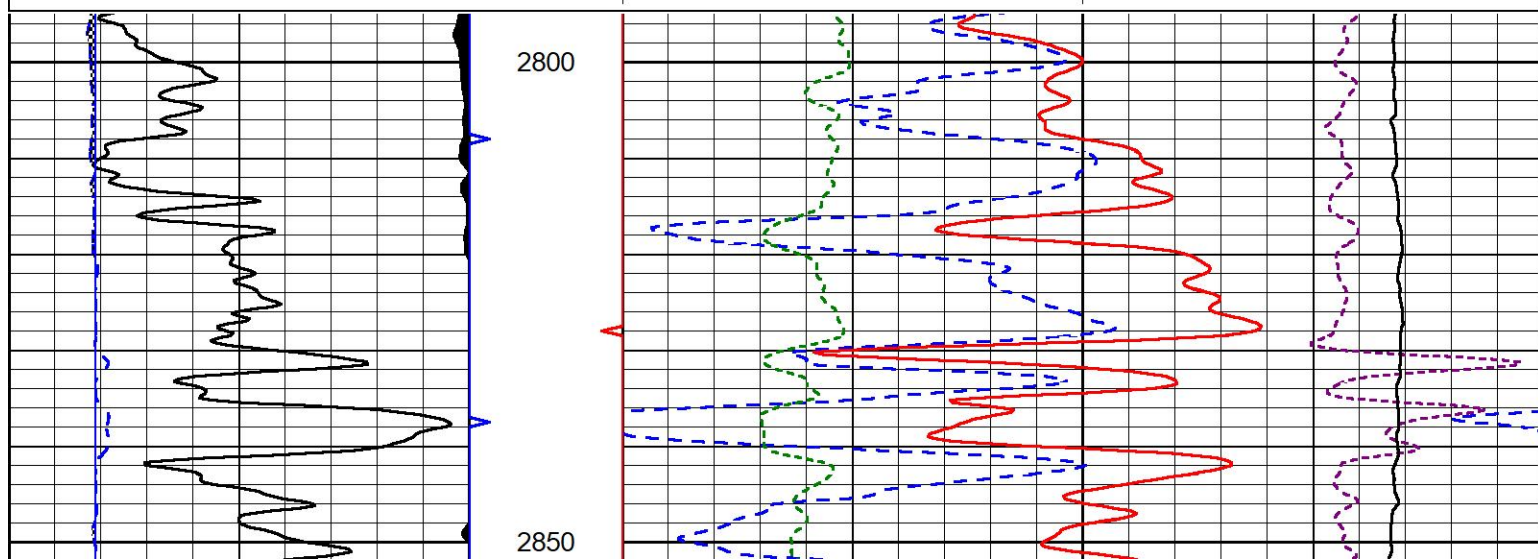
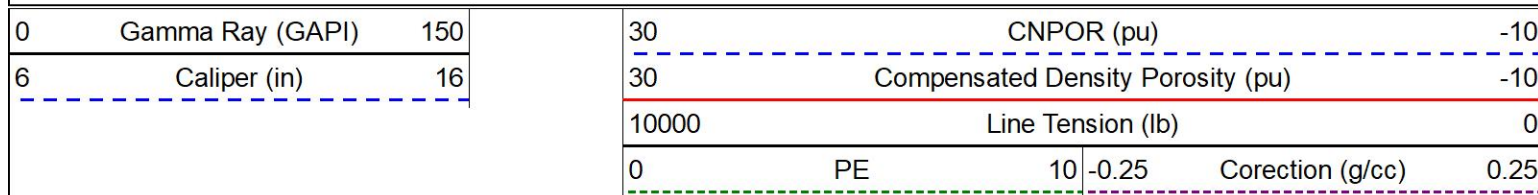


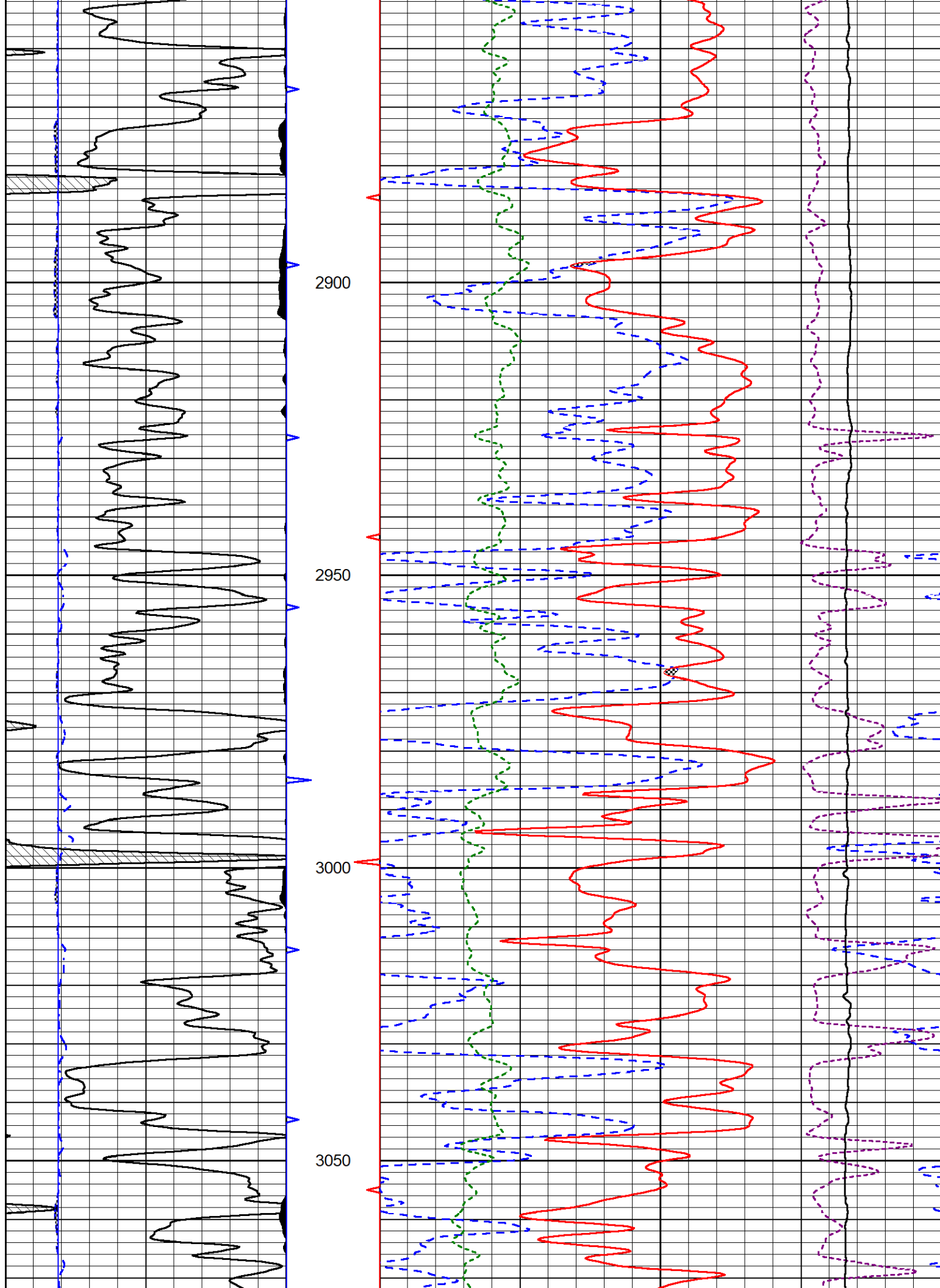


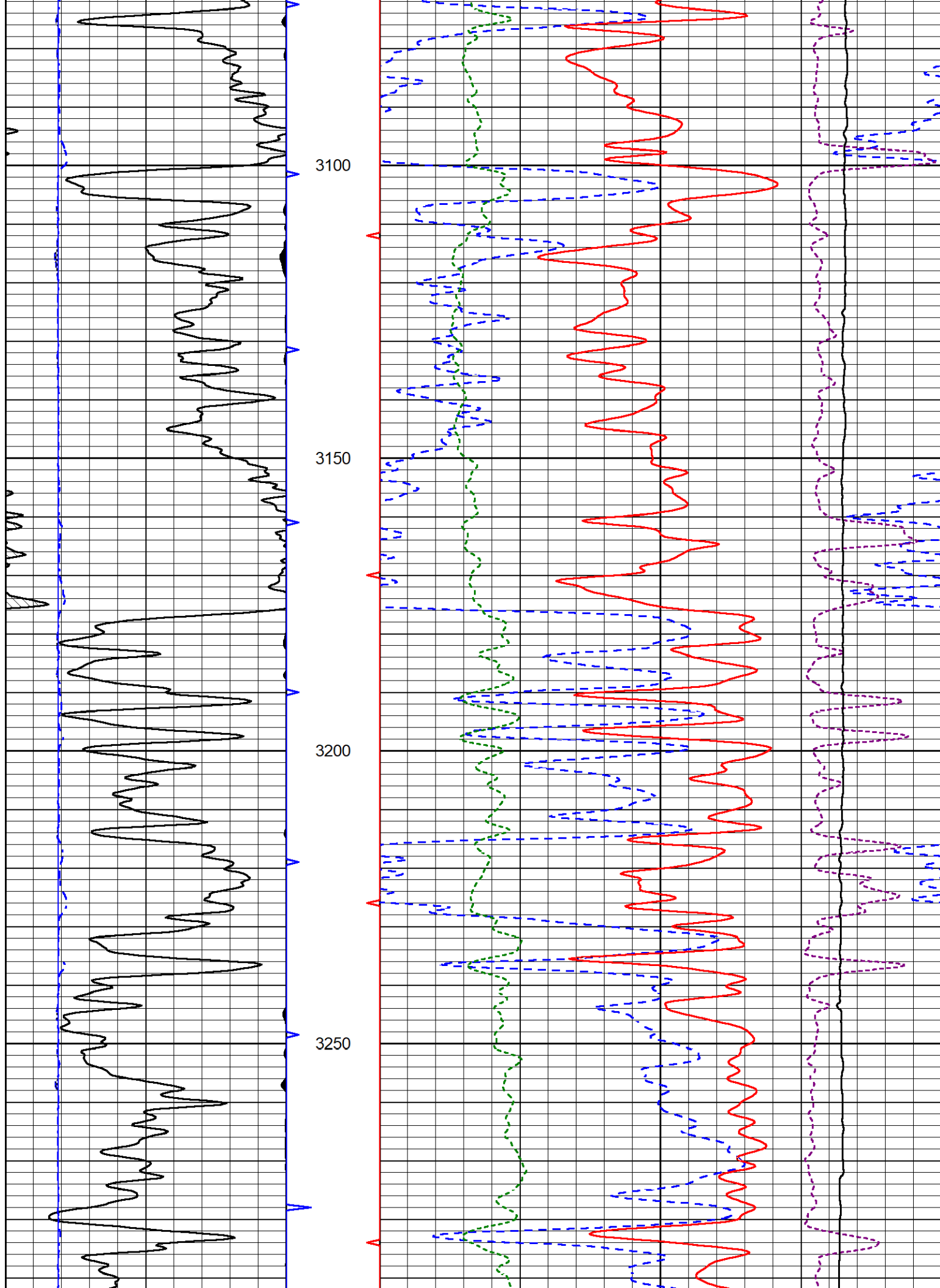
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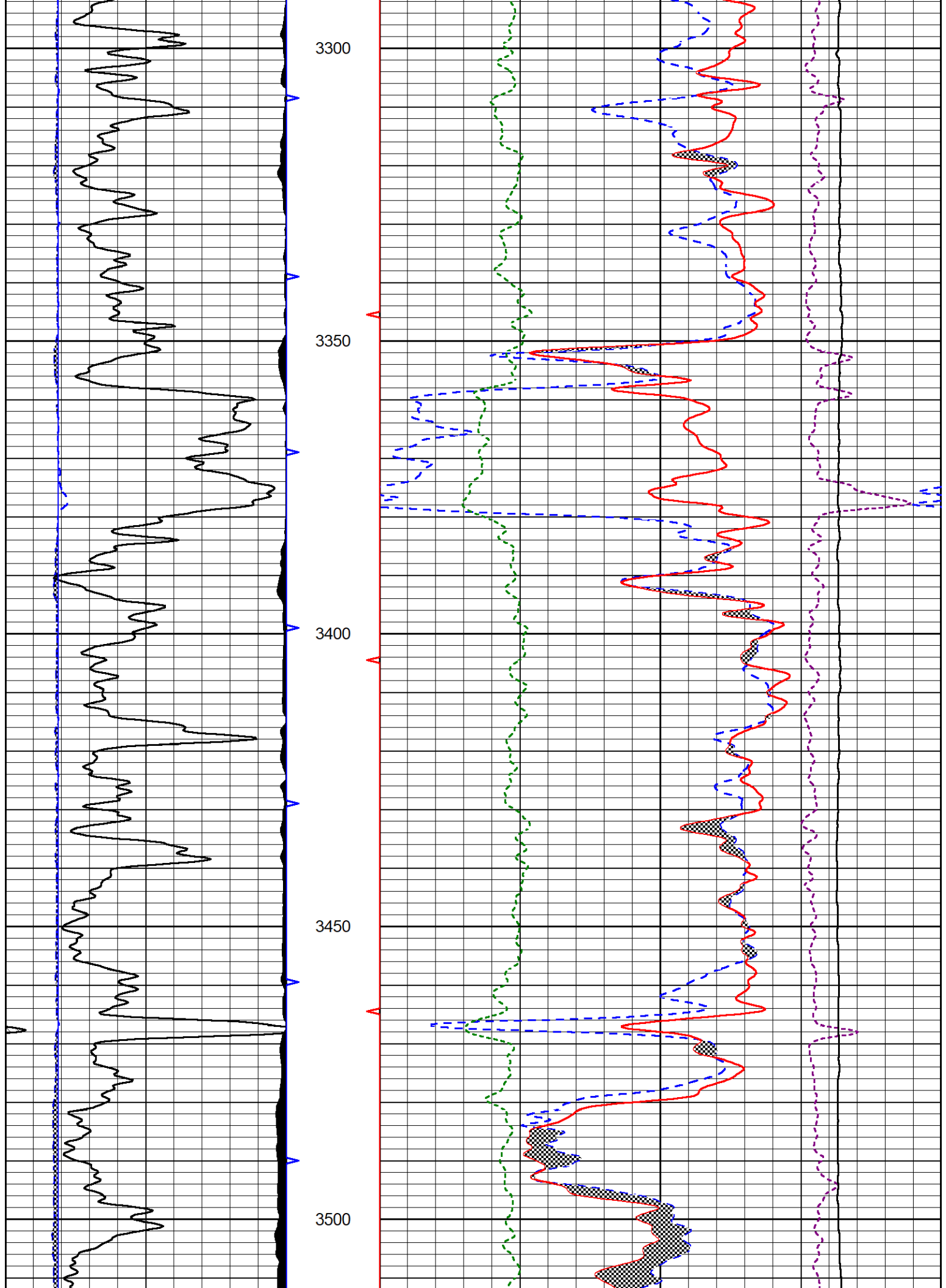
MAIN PASS

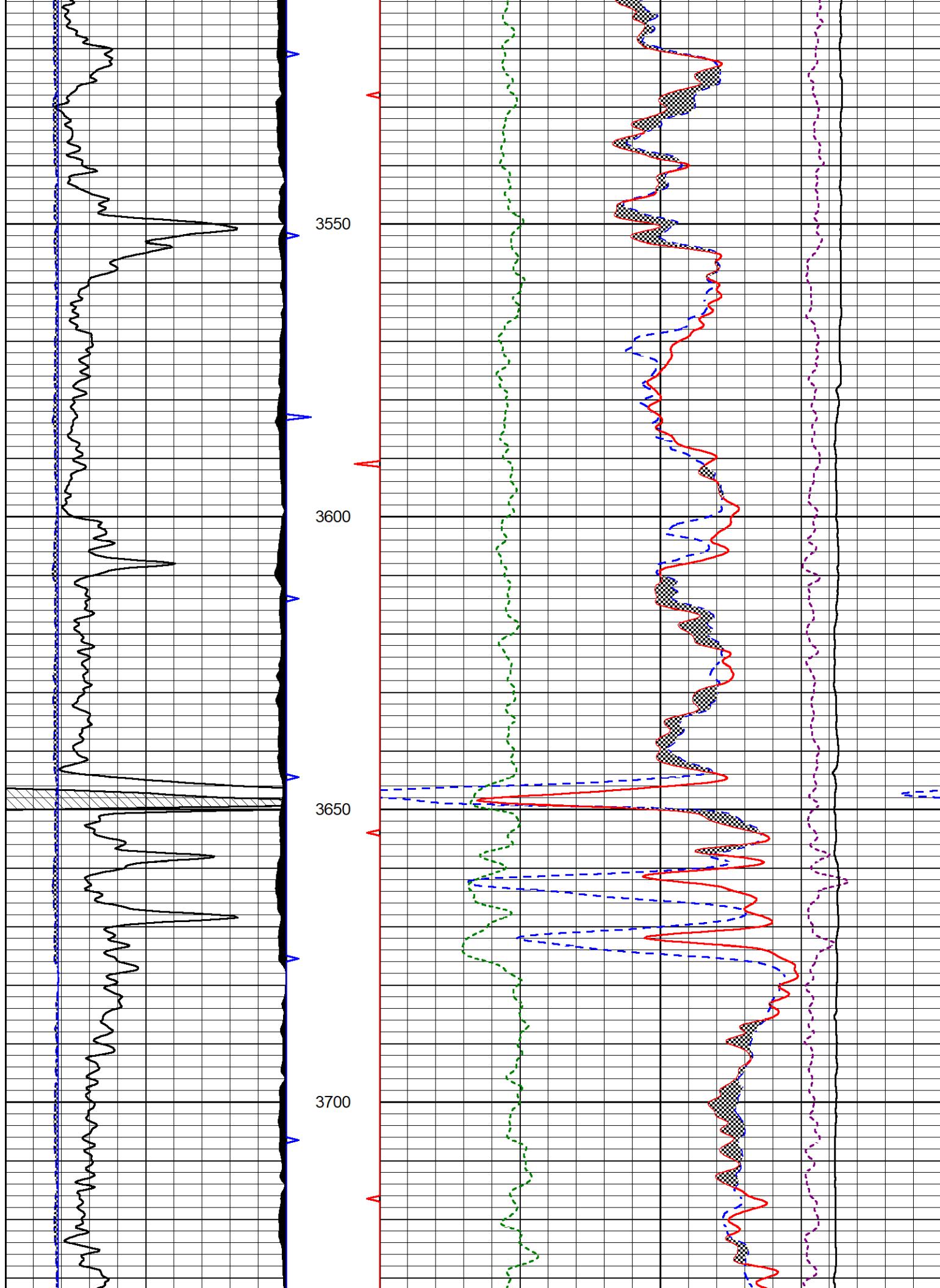
Database File griffin_gary 3.db
 Dataset Pathname stkml/pass3.5
 Presentation Format _CNDLS~4
 Dataset Creation Wed Oct 11 06:35:29 2023
 Charted by Depth in Feet scaled 1:240

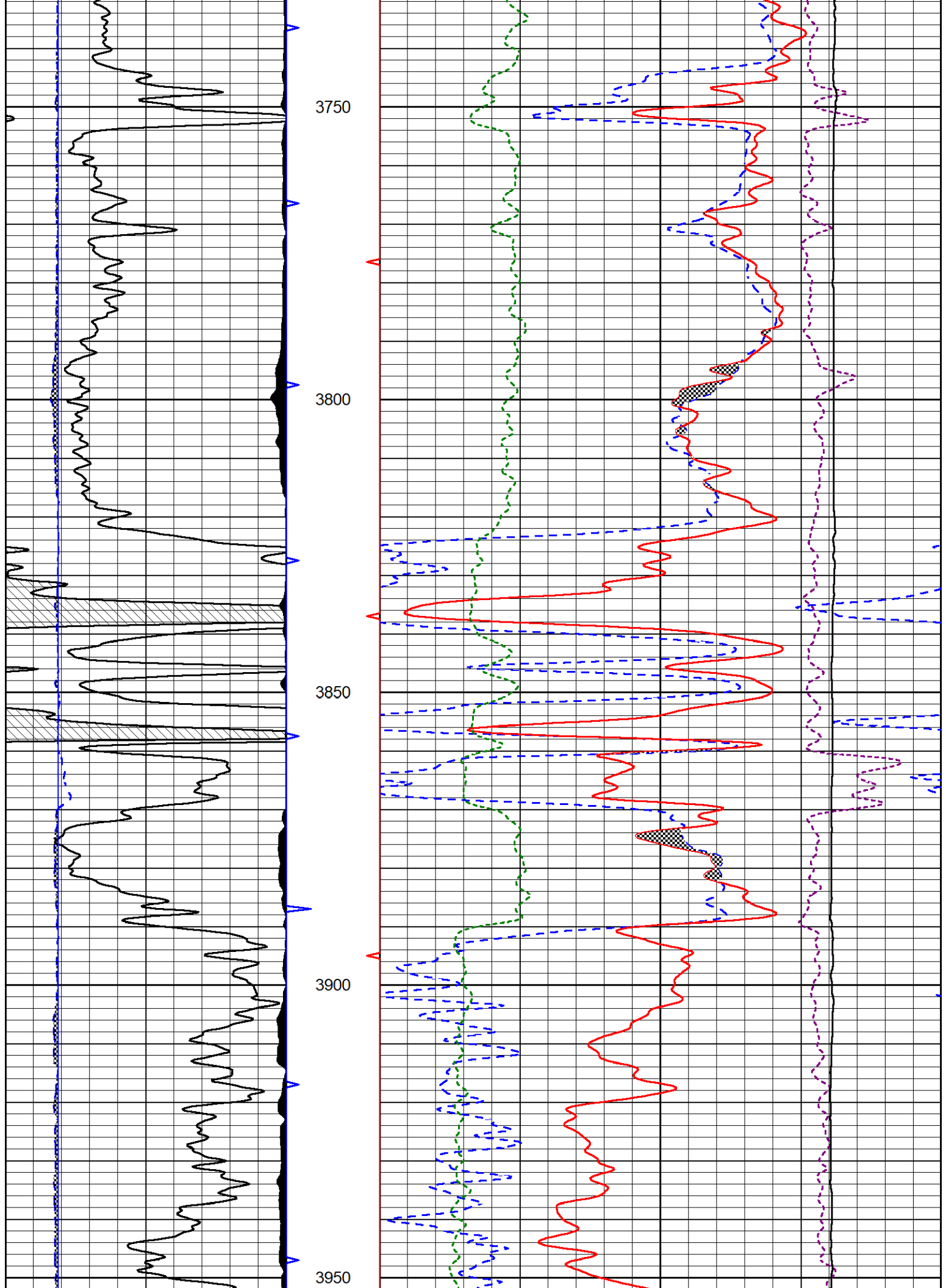


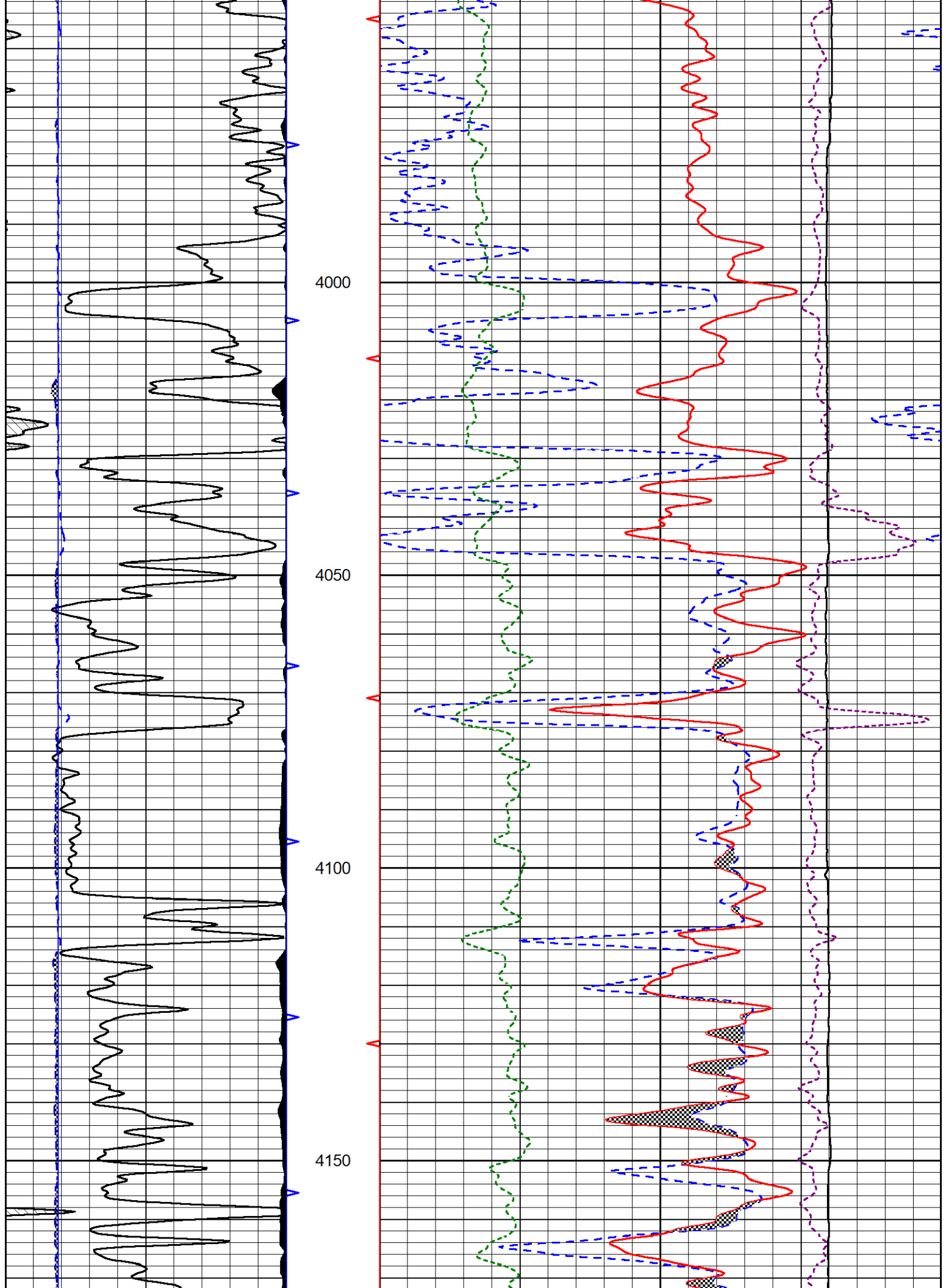


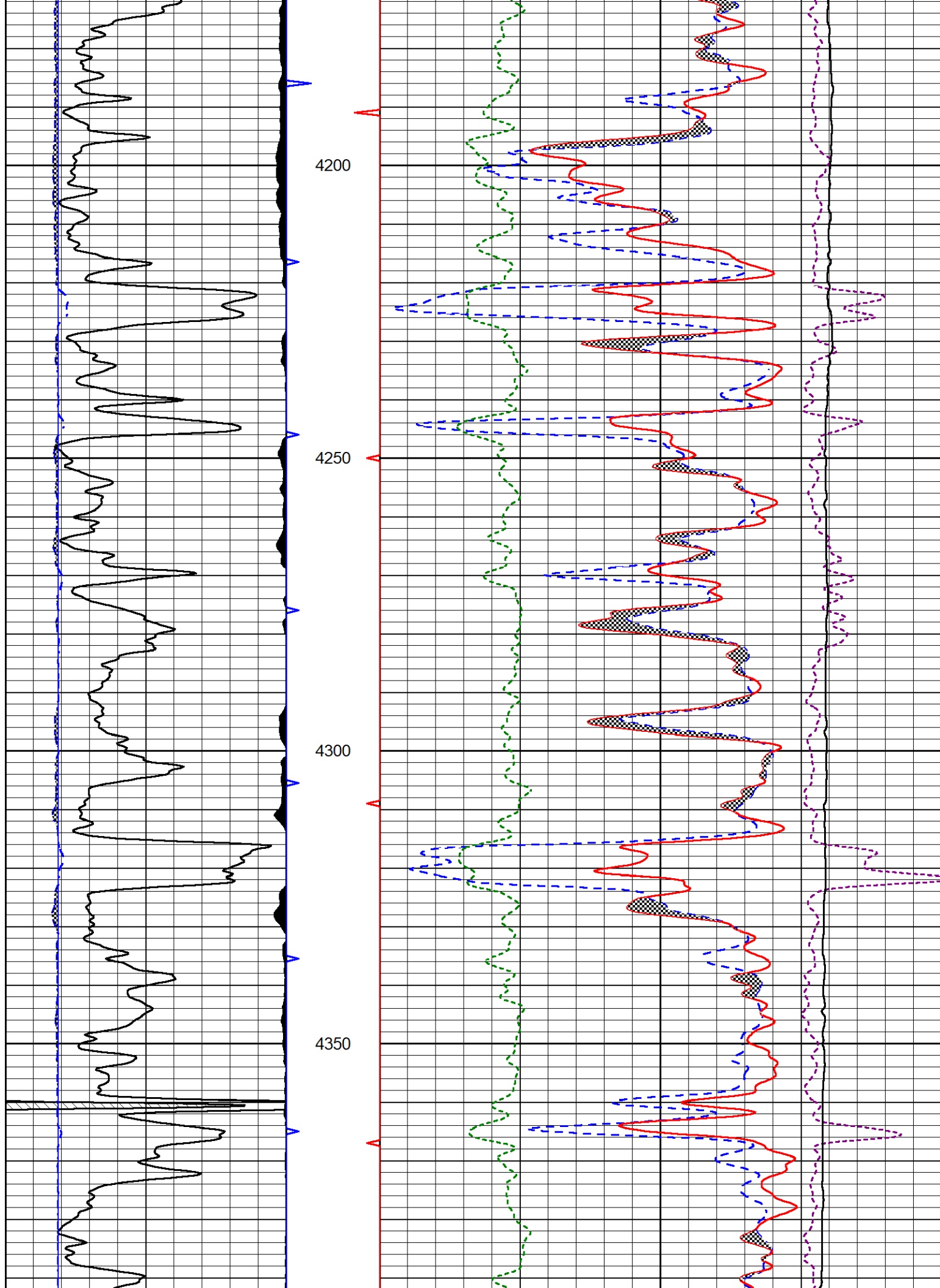


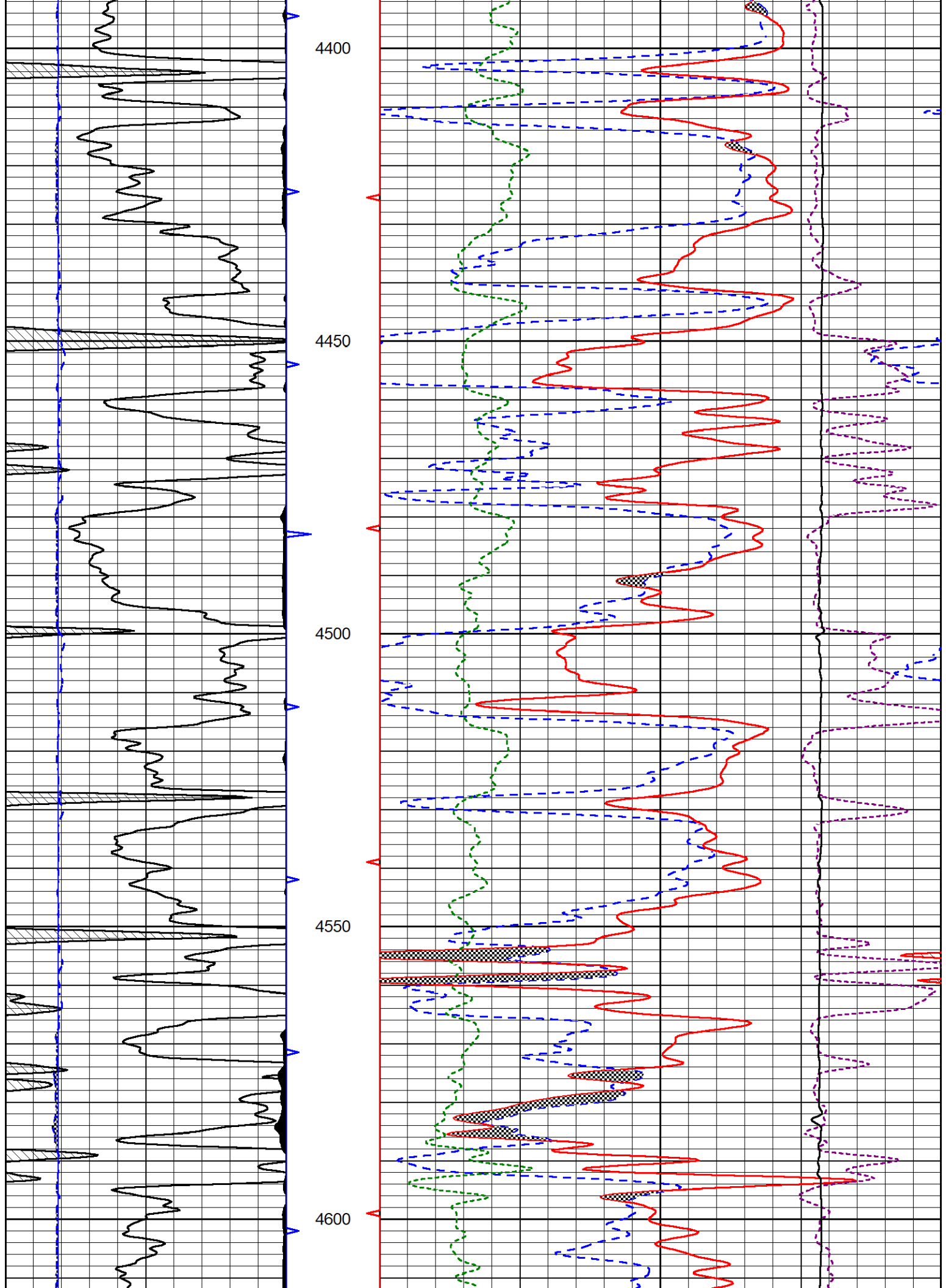


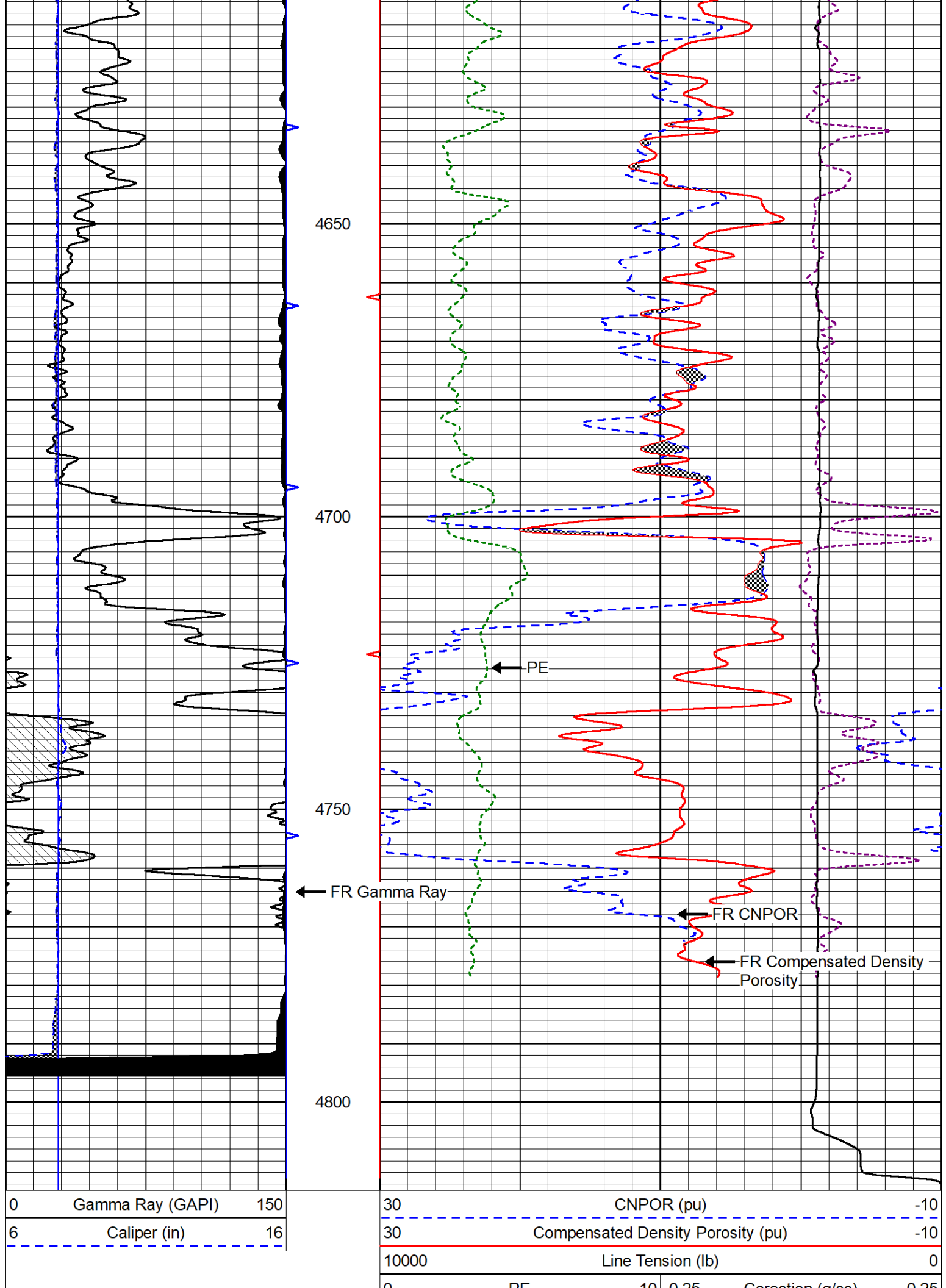














MIDWEST WIRELINE

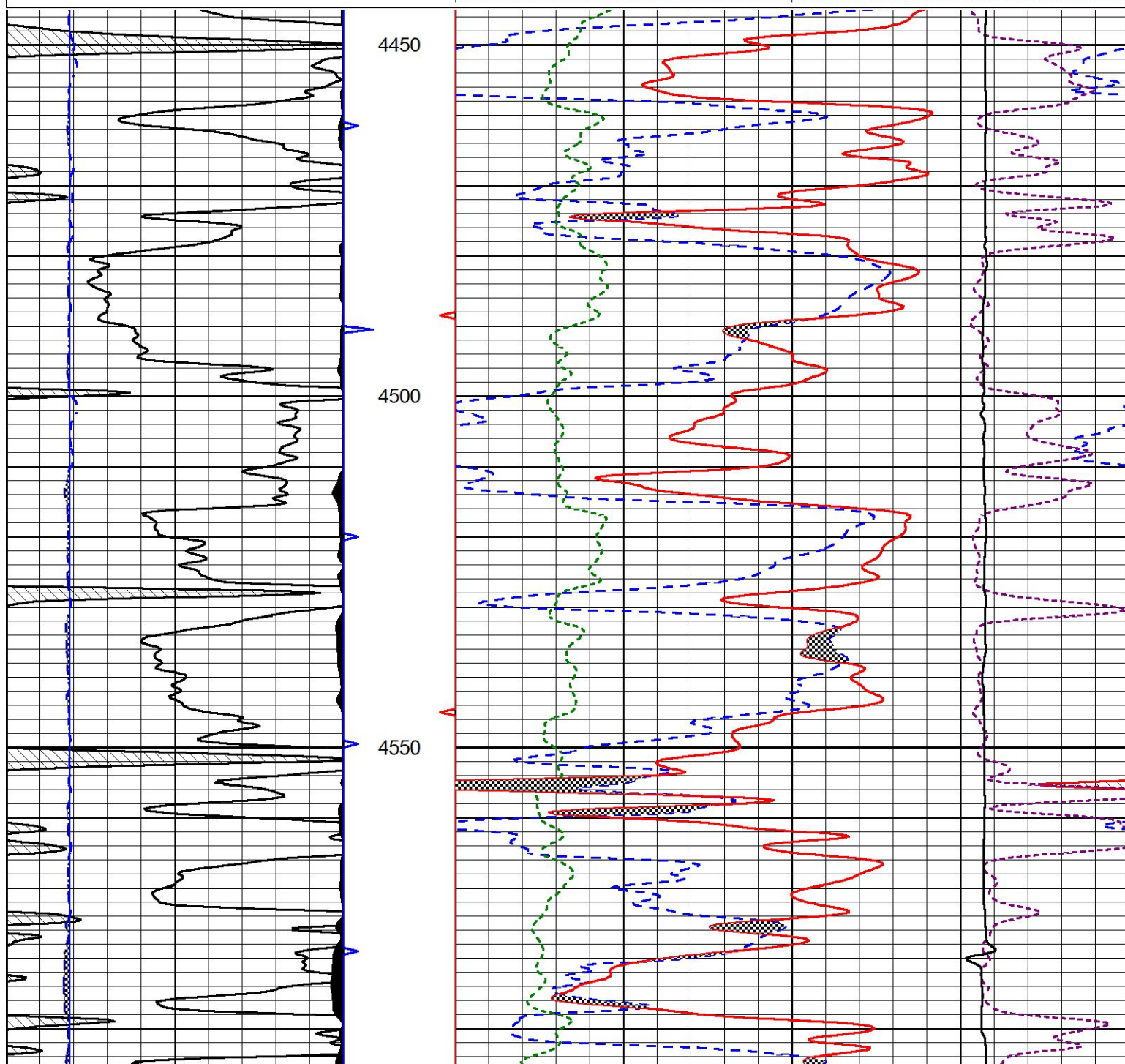
REPEAT SECTION

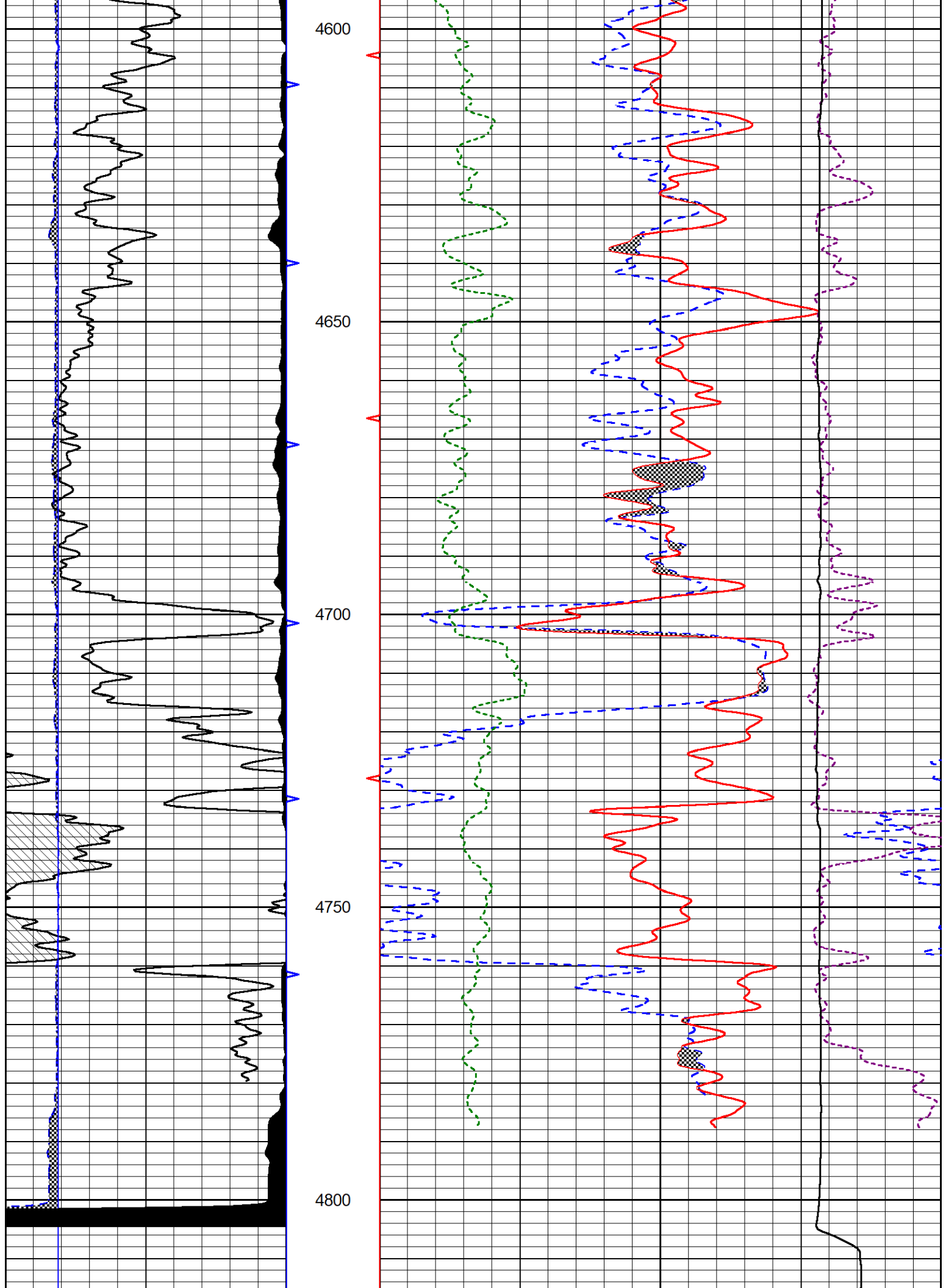
REPEAT PASS

Database File griffin_gary 3.db
Dataset Pathname stkm1/pass2.10
Presentation Format _CNDLS~4
Dataset Creation Wed Oct 11 05:05:39 2023
Charted by Depth in Feet scaled 1:240

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

30	CNPOR (pu)	-10		
30	Compensated Density Porosity (pu)	-10		
10000	Line Tension (lb)	0		
0	PE	10 -0.25	Corection (g/cc)	0.25





Serial Number:	701-01								
Tool Model:	STEP LITHO Short								
Performed:	Wed Aug 16 15:02:56 2023								
Source:									
	Win1	Win2	Win3	Win4	Win5	Win6	Win7	Win8	
Background:									
SS:	52	53	205	255	24	69	44	1	cps
LS:	81	85	334	425	46	135	88	2	cps
Aluminum:									
SS:	774	936	2171	1967	43	73	44	2	cps
LS:	847	1595	3011	1457	56	137	87	5	cps
Magnesium:									
SS:	1271	1508	3520	2831	46	71	45	3	cps
LS:	3600	6590	11760	4608	88	128	83	13	cps
Aluminum+Iron:									
SS:	492	651	1805	1706	40	72	44	2	cps
LS:	499	1107	2530	1299	53	134	86	4	cps
		Density			PE				
		Actual	Calibrated		Actual	Calibrated	Quality		
Background:									

SS:						0.222
LS:						0.212
Aluminum:						
SS:	2.6000	2.6000	g/cc			0.248
LS:	2.6000	2.6000	g/cc			0.220
Magnesium:						
SS:	1.6800	1.6800	g/cc	2.5700	2.5700	0.222
LS:	1.6800	1.6800	g/cc	2.5700	2.5700	0.213
Aluminum+Iron:						
SS:					6.1800	0.239
LS:					6.1800	0.214

Caliper:	Reference:	Reading:
Small Ring:	6.0 in	100.0
Large Ring:	16.0 in	400.0
Gain:	18.000	
Offset:	0.075	

Compensated Neutron Calibration Report

Serial Number:	210
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

Gamma Ray Calibration Report

Serial Number:	105	
Tool Model:	M&W	
Performed:	Wed Aug 30 12:31:03 2023	
Calibrator Value:	500.0	GAPI
Background Reading:	24.0	cps
Calibrator Reading:	637.0	cps
Sensitivity:	0.6500	GAPI/cps

 MIDWEST WIRELINE	Company	Griffin Management, LLC
	Well	Gary #3
	Field	Turkey Creek East
	County	Barber
	State	Kansas