

DUAL COMPENSATED POROSITY w/PE

MIDWEST WIRELINE

Company Griffin Management, LLC
Well Madelyn #2 OWWO
Field Turkey Creek East
County Barber
State Kansas

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Field Turkey Creek East
County Barber State Kansas

Location: API #: 15-007-21982-00-01

Other Services

SEC 16 TWP 30S RGE 15W
324 FSL & 973 FEL

DIL/MEL

Permanent Datum Ground Level Elevation 1876
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

K.B. 1881
D.F.
G.L. 1876

Date 7/19/2024

Run Number One

Type Log CNL/CDL

Depth Driller 4878

Depth Logger 4876

Bottom Logged Interval 4847

Top Logged Interval 2800

Type Fluid In Hole Chemical

Salinity, PPM CL 6000

Density 8.7

Level Full

Max. Rec. Temp. F 125

Operating Rig Time 3 Hours

Equipment -- Location 110 Hays

Recorded By D. Schmidt

Witnessed By Eli Felts

Witnessed By

Witnessed By

Witnessed By

Witnessed By

Witnessed By

Witnessed By

Witnessed By

Witnessed By

Borehole Record

From To Size Wgt. From To

One 12.25 0 984 8.625 23 0 984

Two 7.875 984 TD

Casing Record

From To

0 984

<<< 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,
South to 110, 1 East,
South 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 (703-03)	8.40	5.00	250.00	
LCAL	28.21						
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						
MI	19.58						
MN	19.58						
RLL3F	15.50						
RLL3	15.50						
CILD	8.33						
CILM	4.50						
SP	0.20						
			DIL-M&W (506)	18.25	3.50	220.00	

Dataset: griffin_madelyn 2 owwo.db: field/well/stkml/pass3.11
Total length: 42.23 ft
Total weight: 685.00 lb
O.D.: 5.00 in

Log Variables

DatabaseC:\ProgramData\Warrior\Data\griffin_madelyn 2 owwo.db
Dataset field/well/stkml/pass3.11/_vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in	degF	in	in	g/cc	2	g/cc
	7.875	125	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	-0.5	170	70		4876

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



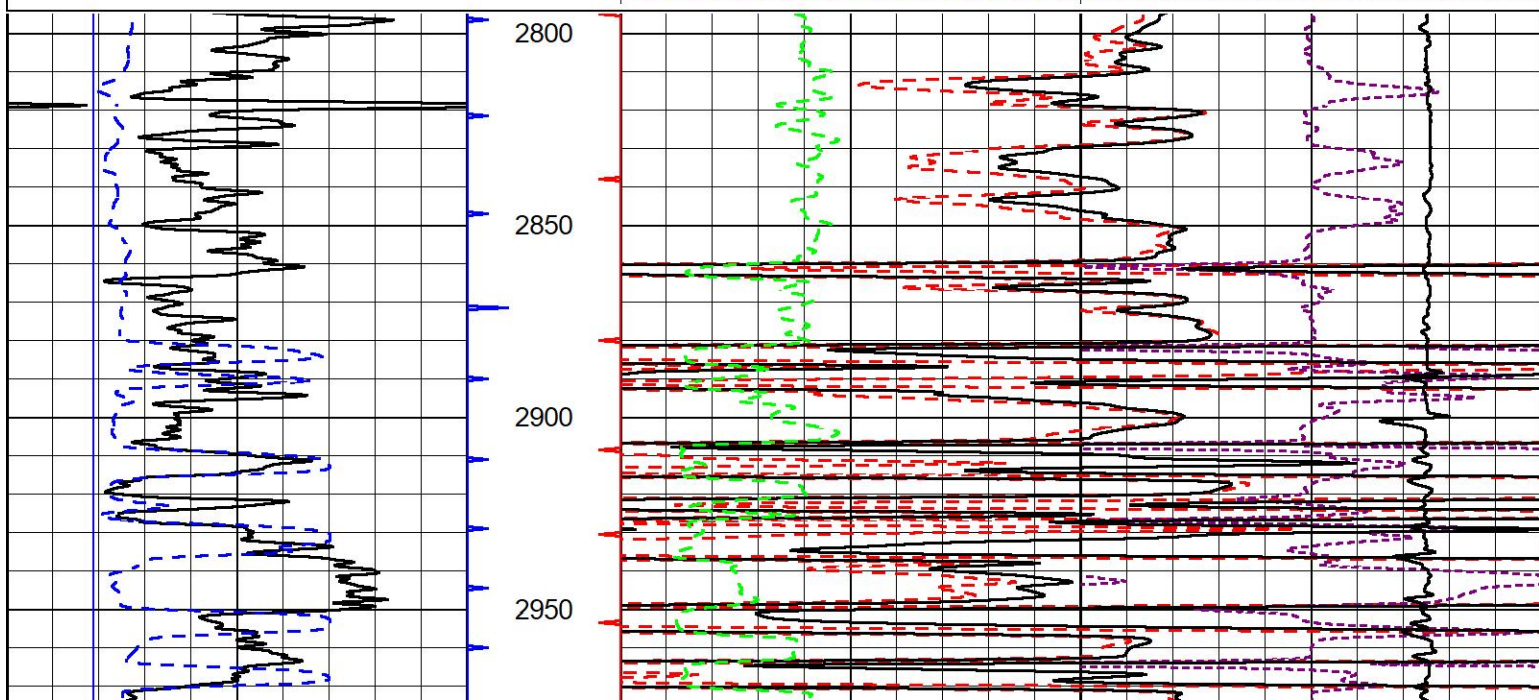
MIDWEST WIRELINE

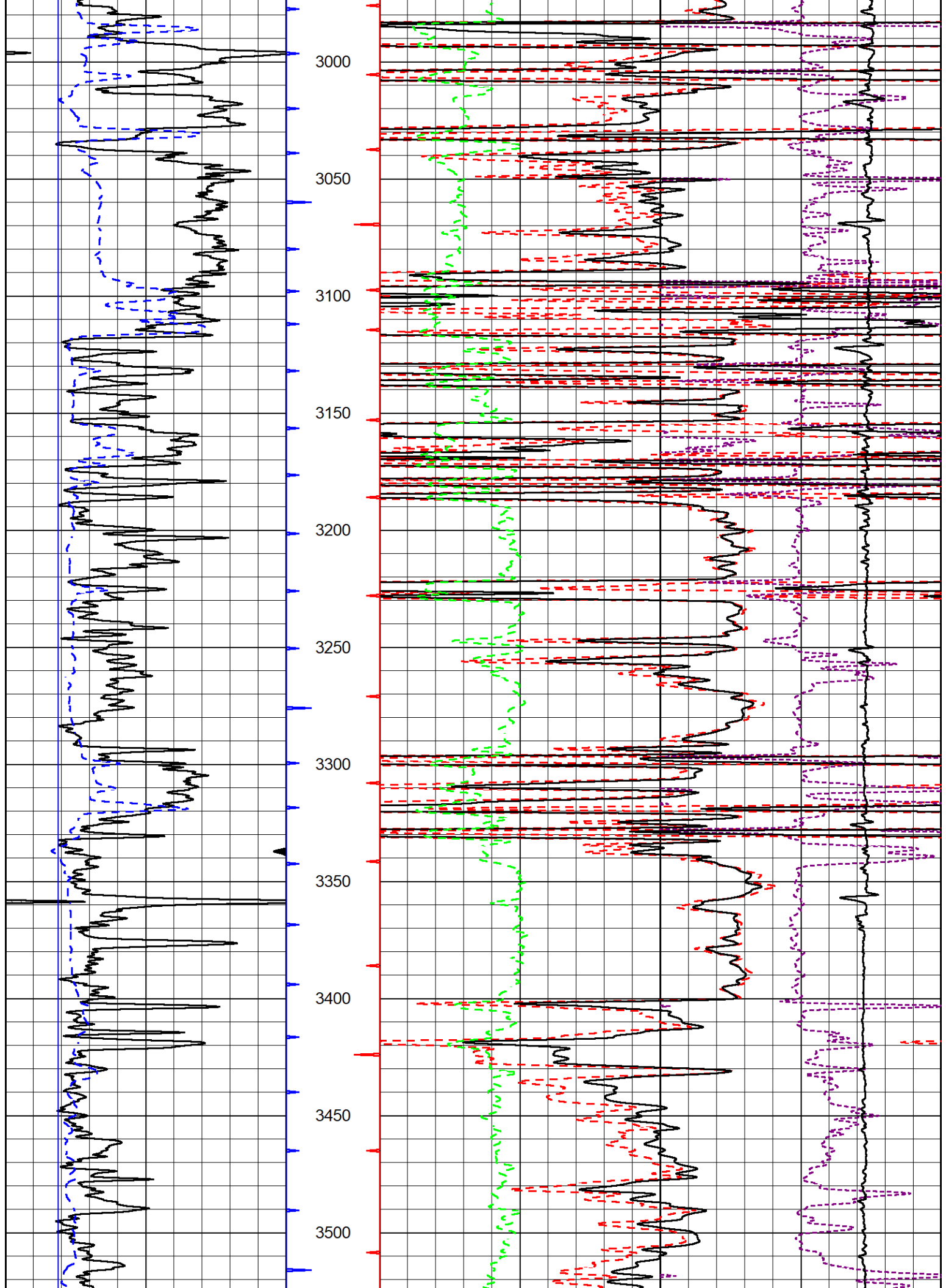
2" SCALE BULK DENSITY

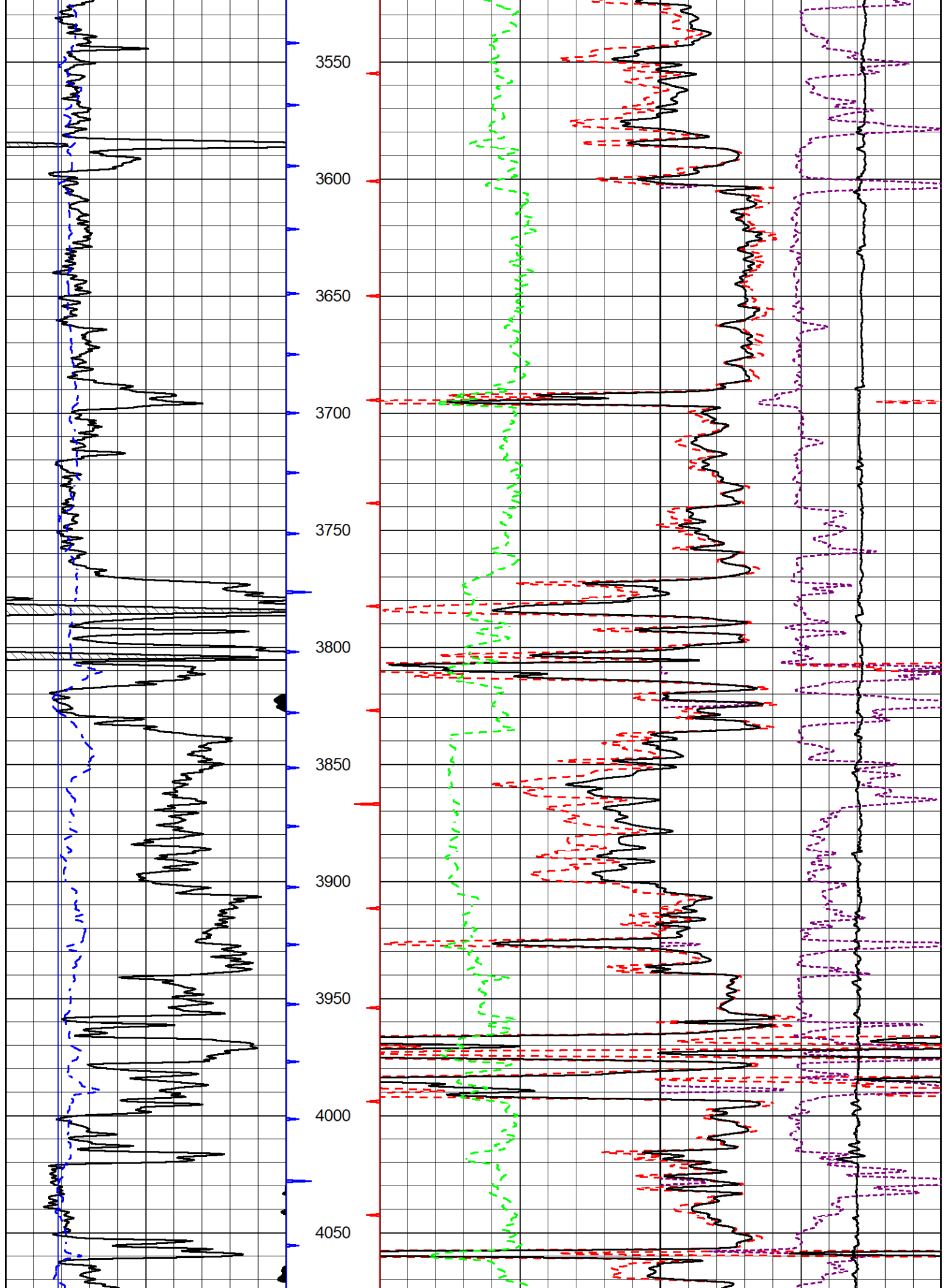
MAIN PASS

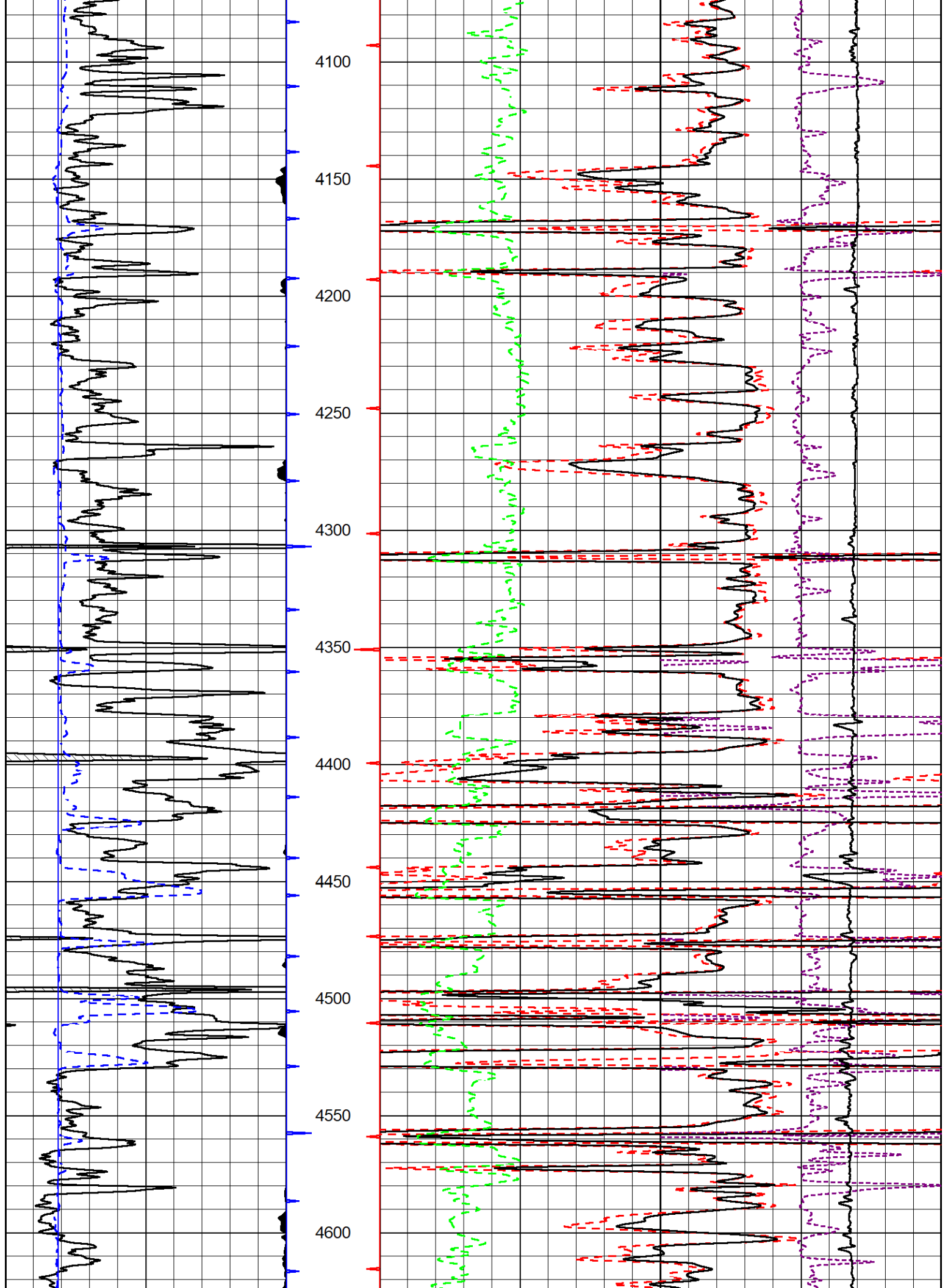
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Dataset Creation Fri Jul 19 05:51:40 2024
Charted by Depth in Feet scaled 1:600

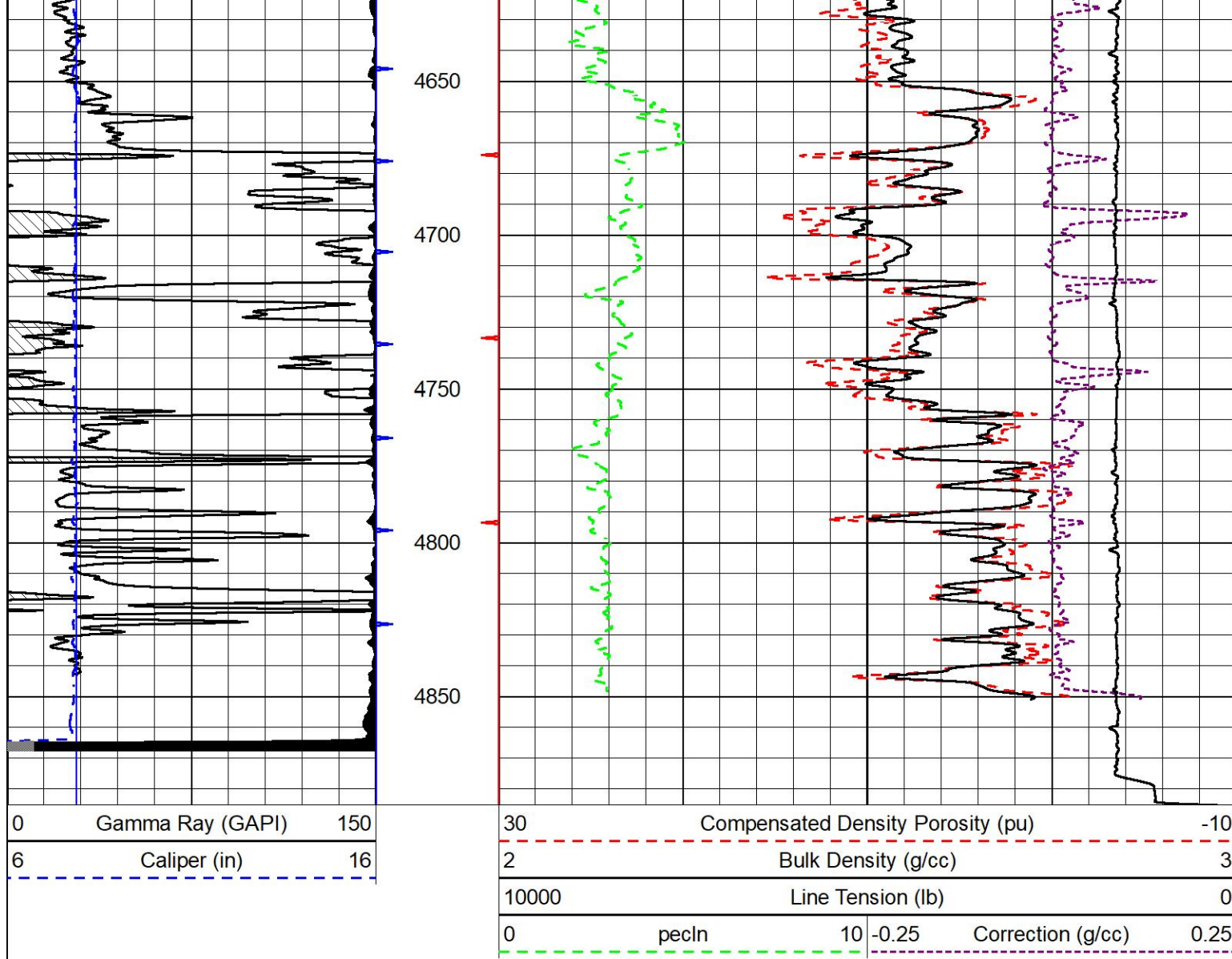
0	Gamma Ray (GAPI)	150	30	Compensated Density Porosity (pu)	-10
6	Caliper (in)	16	2	Bulk Density (g/cc)	3
			10000	Line Tension (lb)	0
			0	pecln	10 -0.25
				Correction (g/cc)	0.25









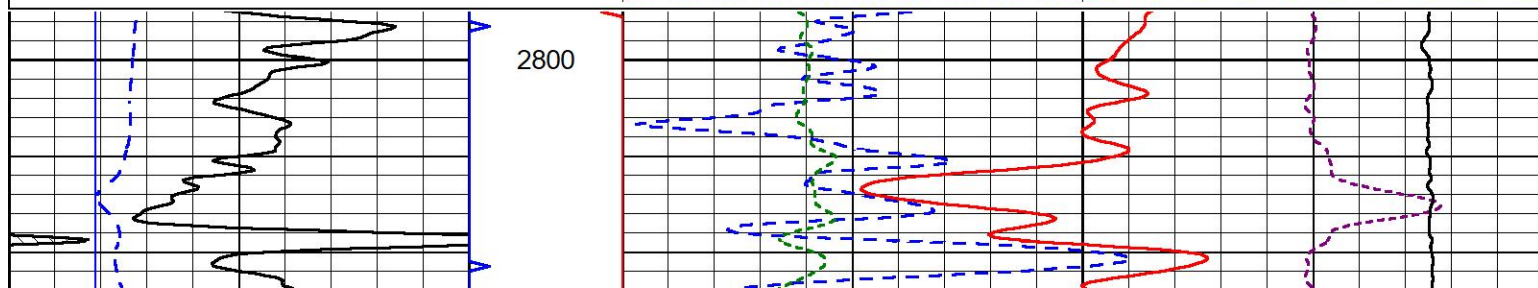
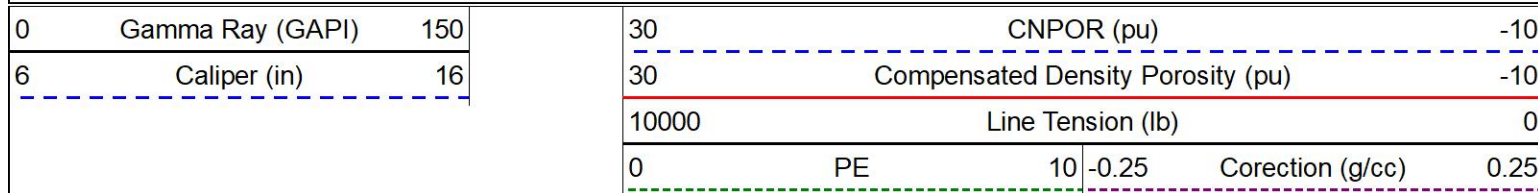


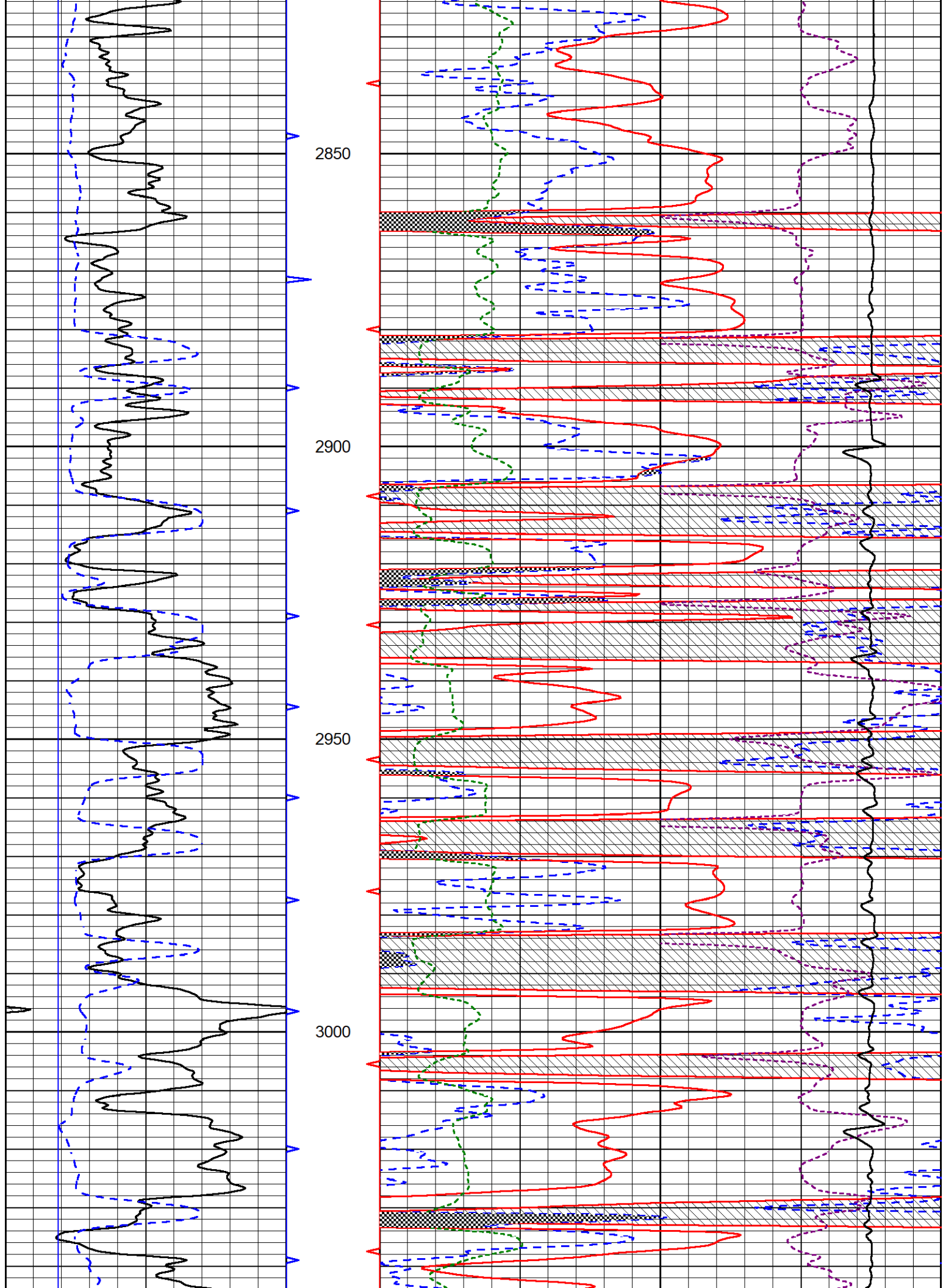
MIDWEST WIRELINE

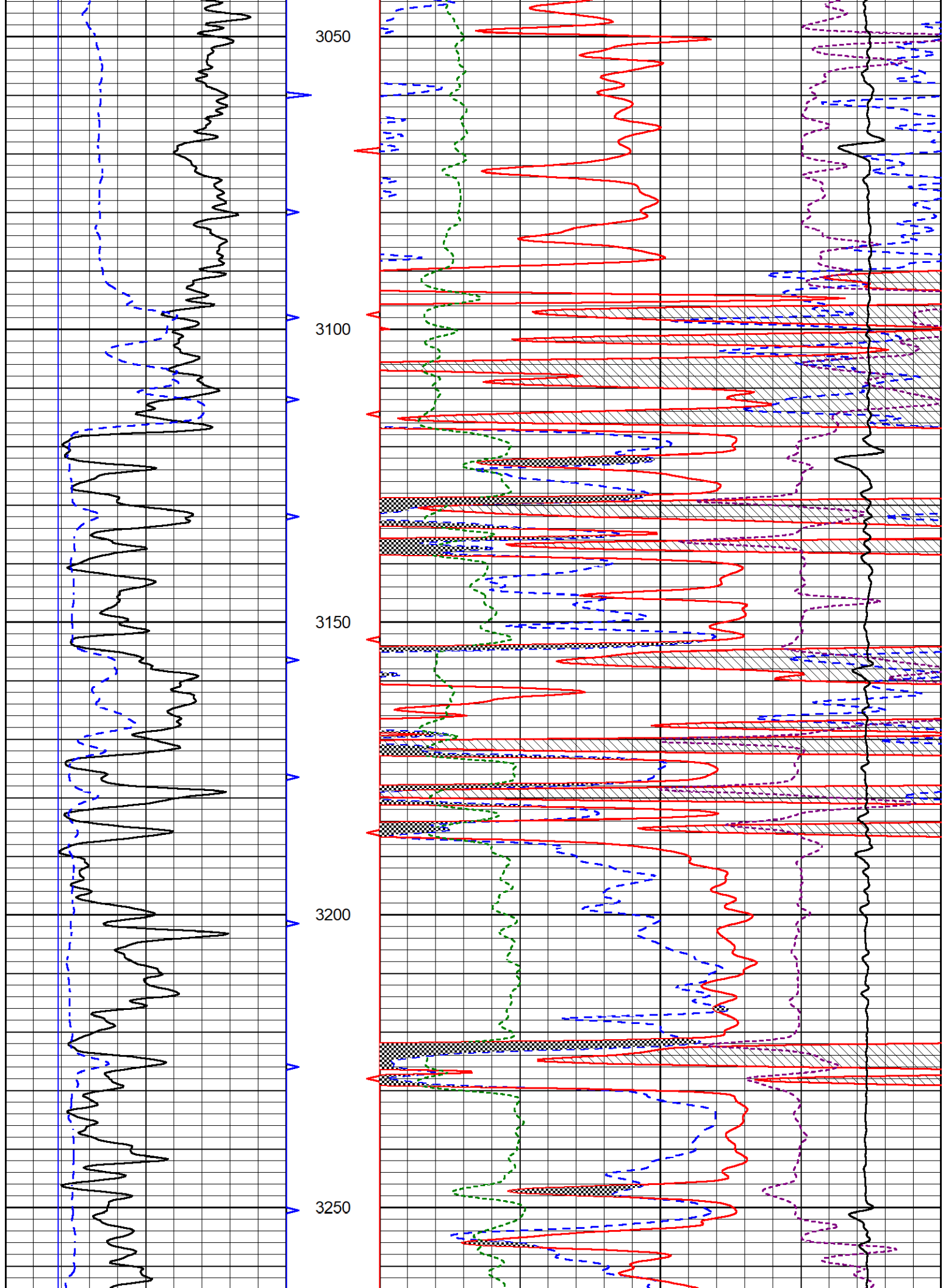
DETAIL SECTION

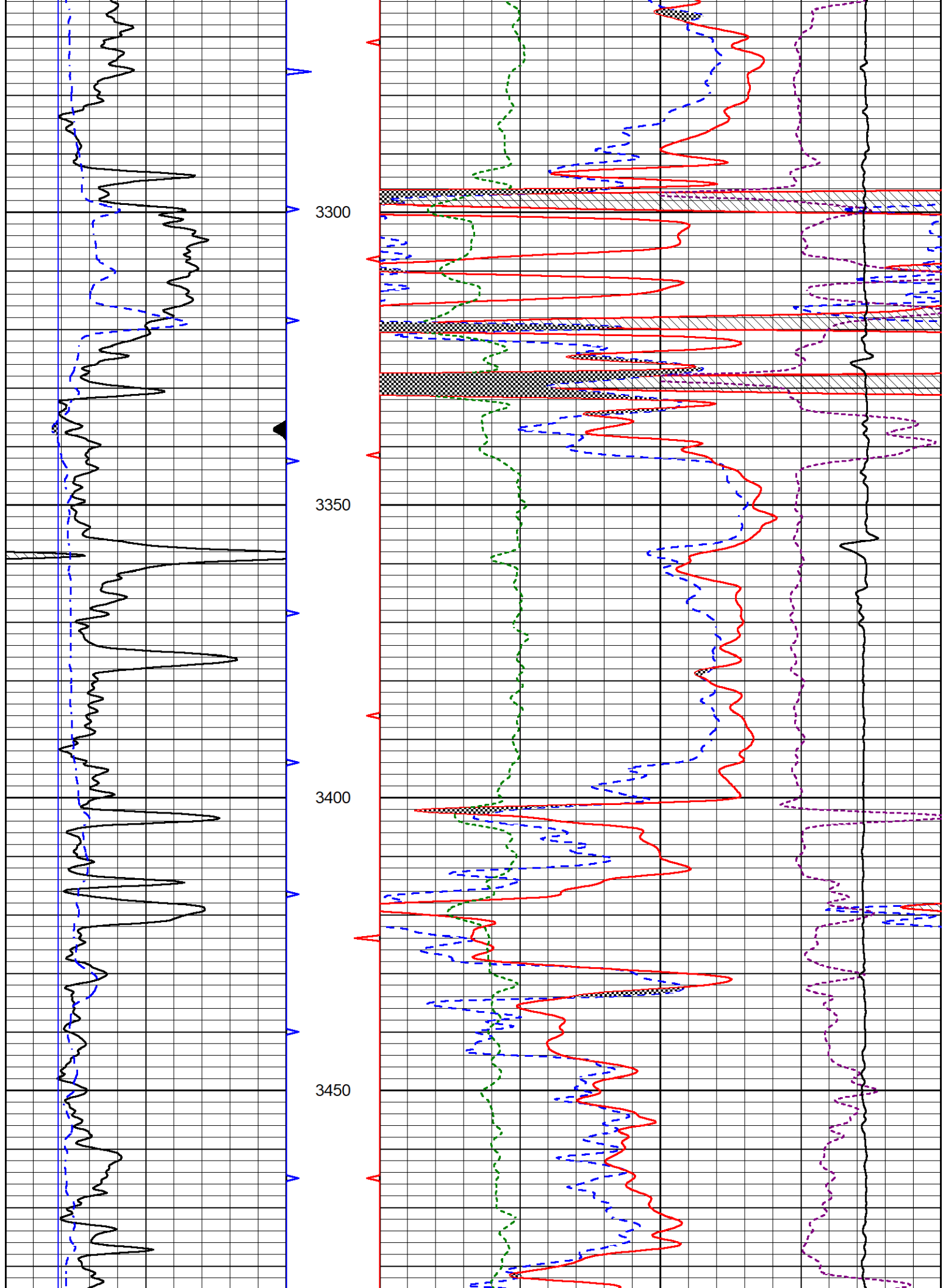
MAIN PASS

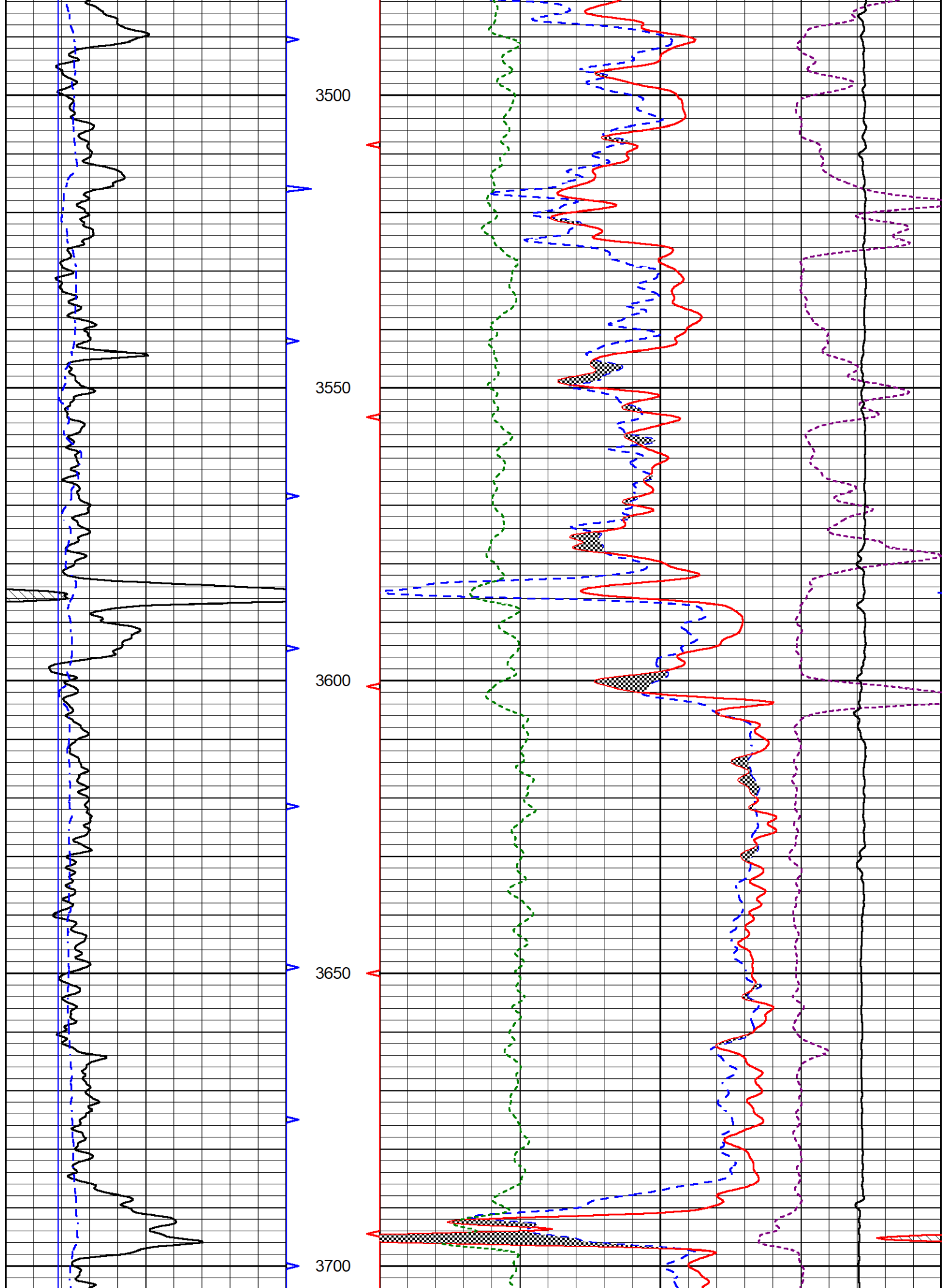
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Presentation Format _CNDLS~2
Dataset Creation Fri Jul 19 05:48:30 2024
Charted by Depth in Feet scaled 1:240

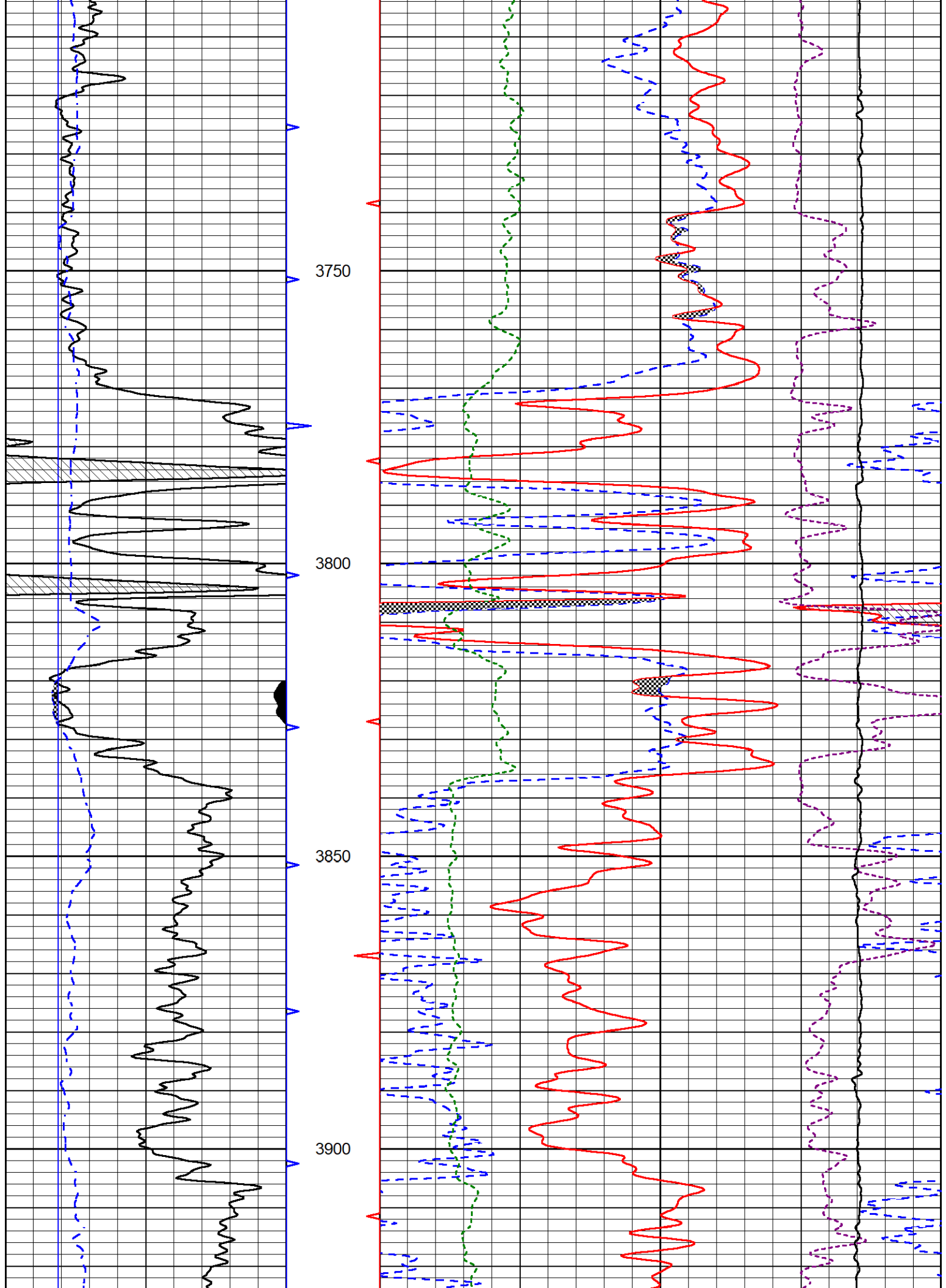


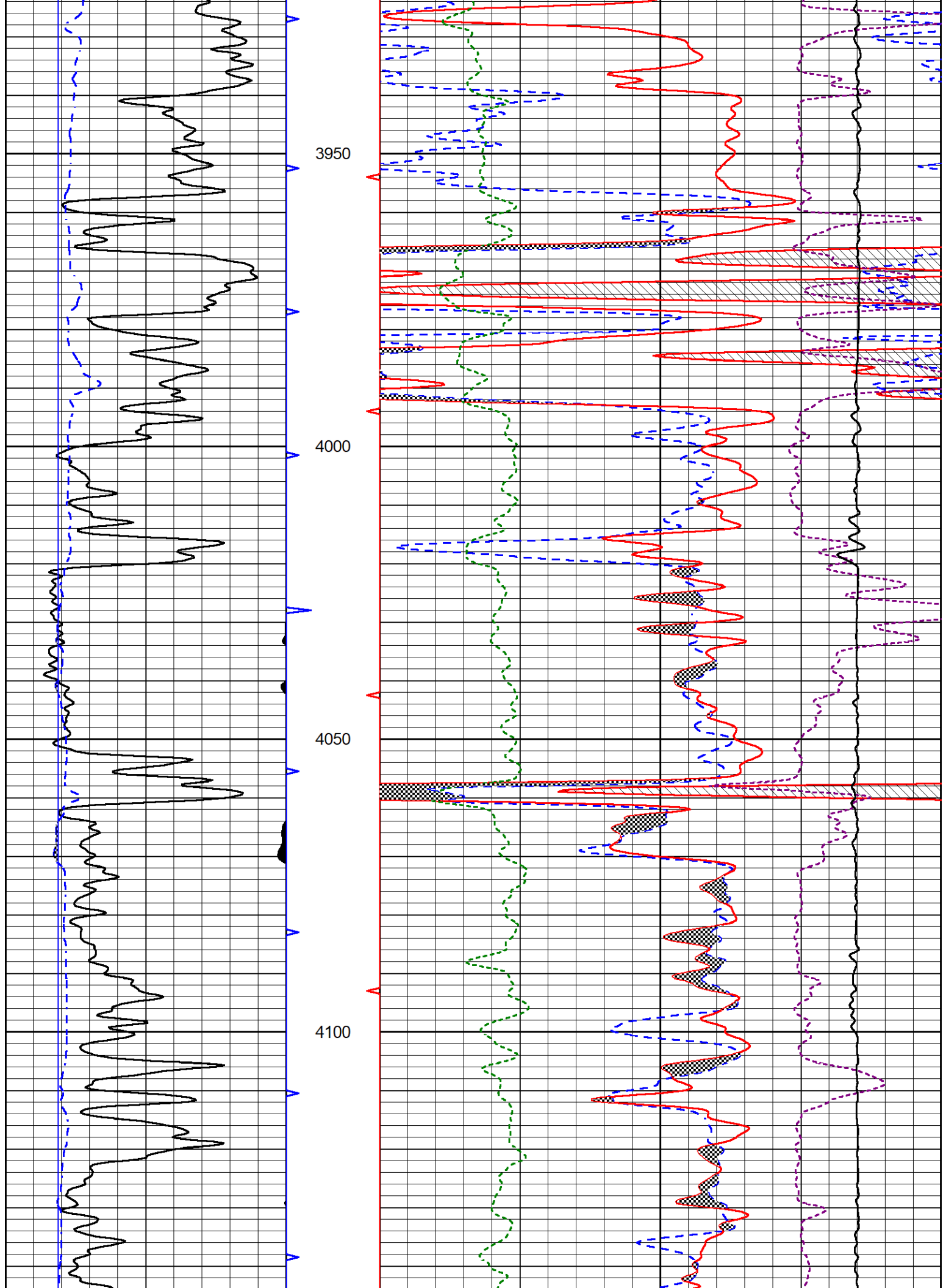


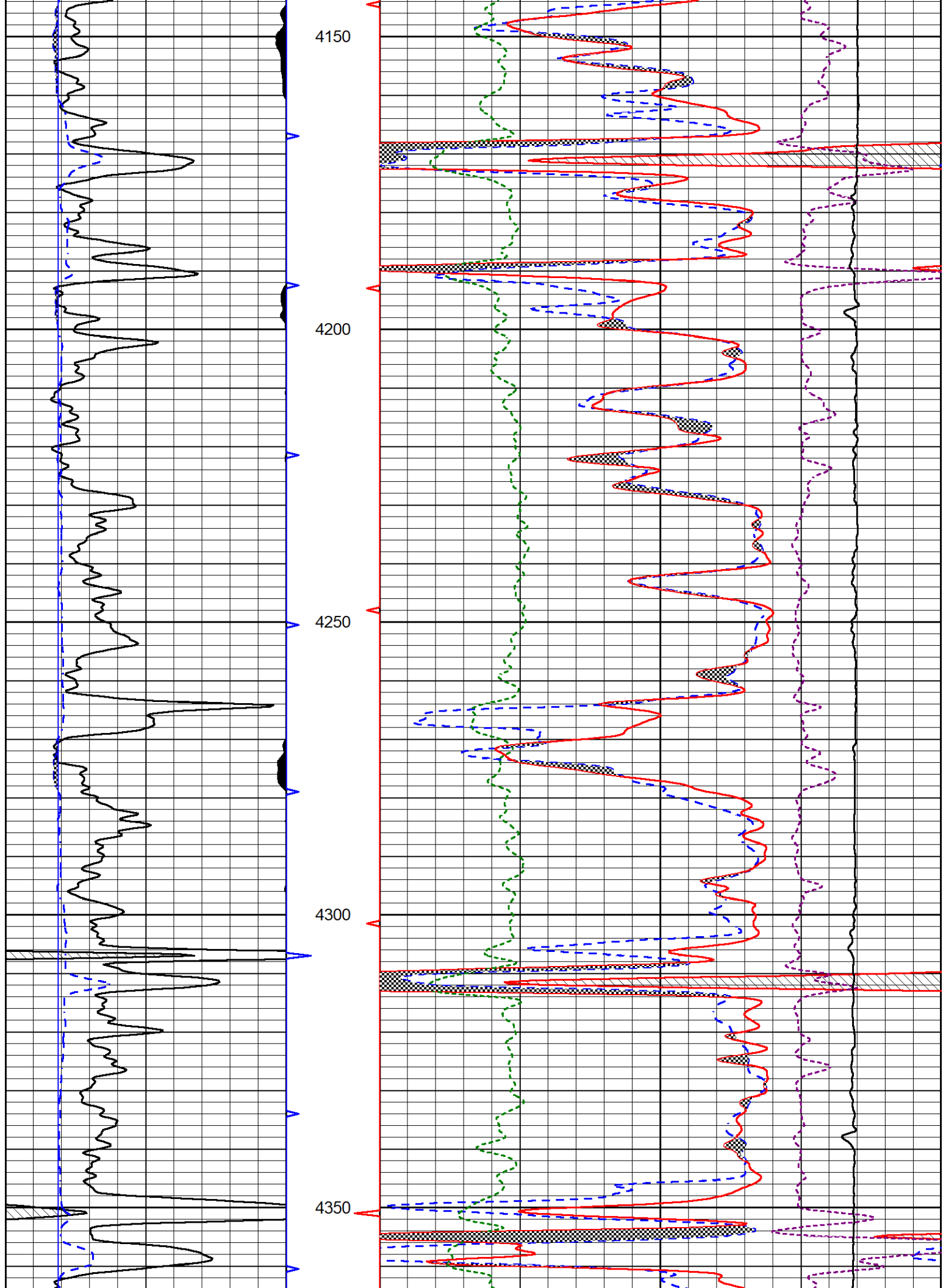


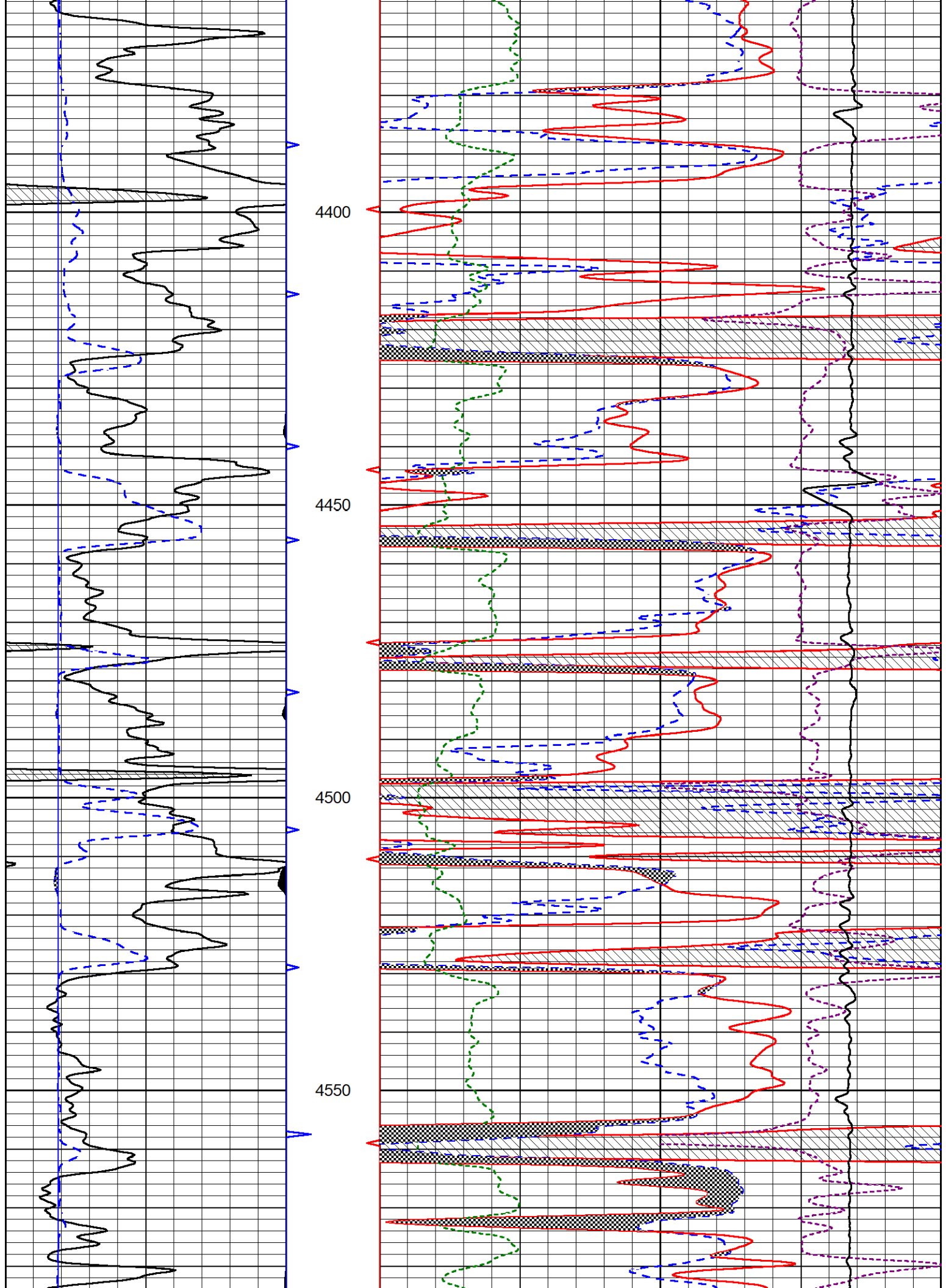


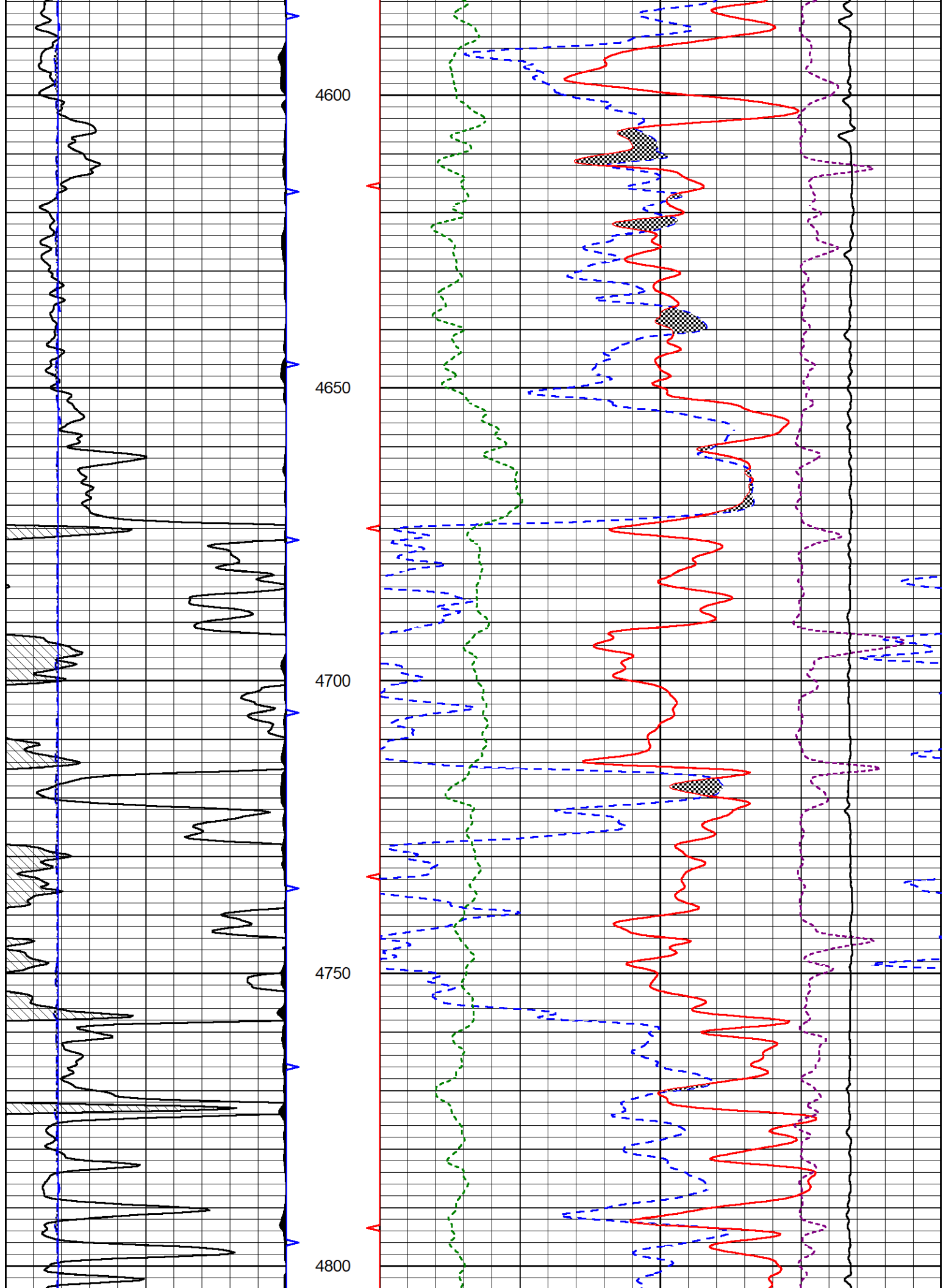


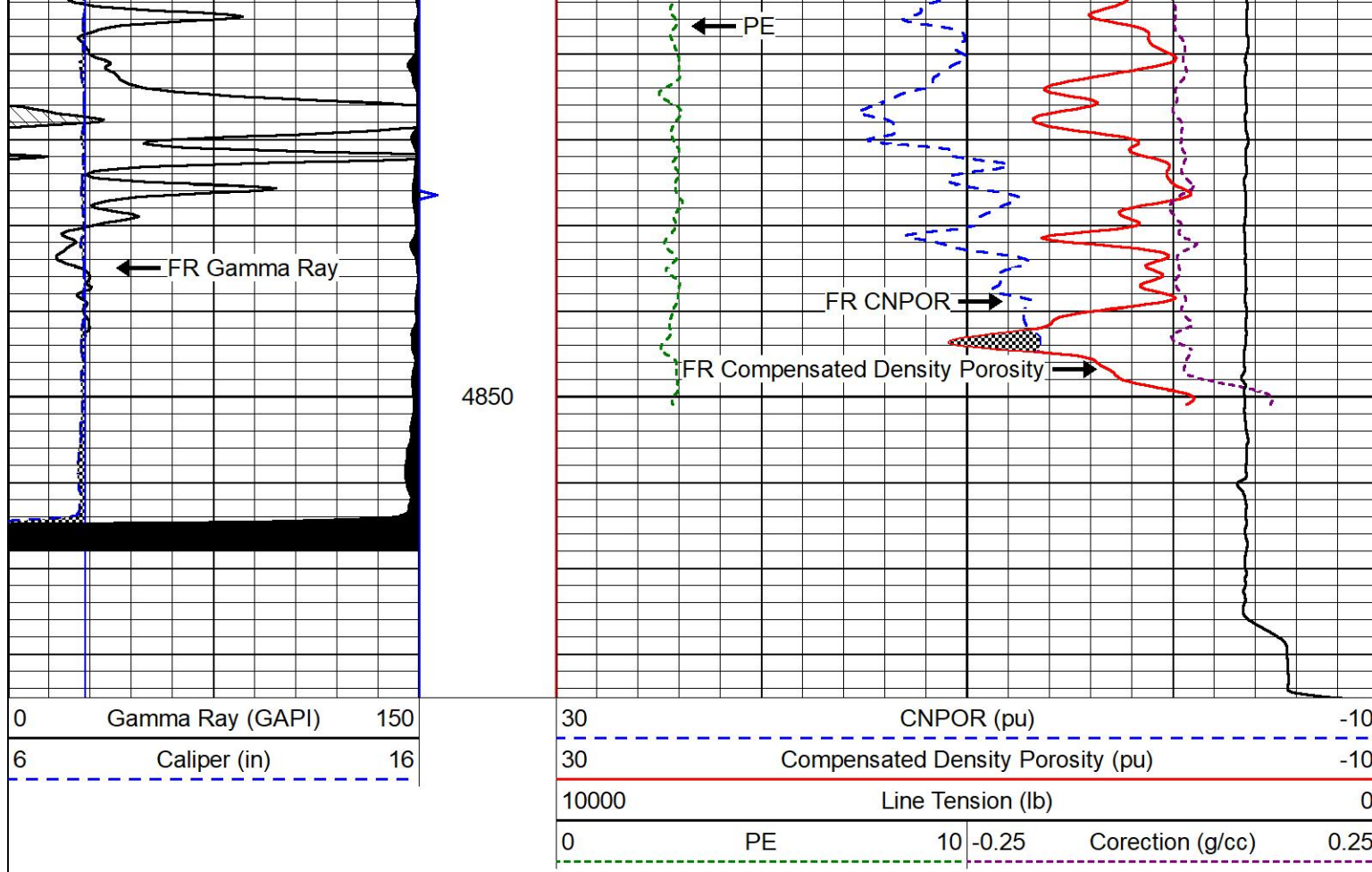










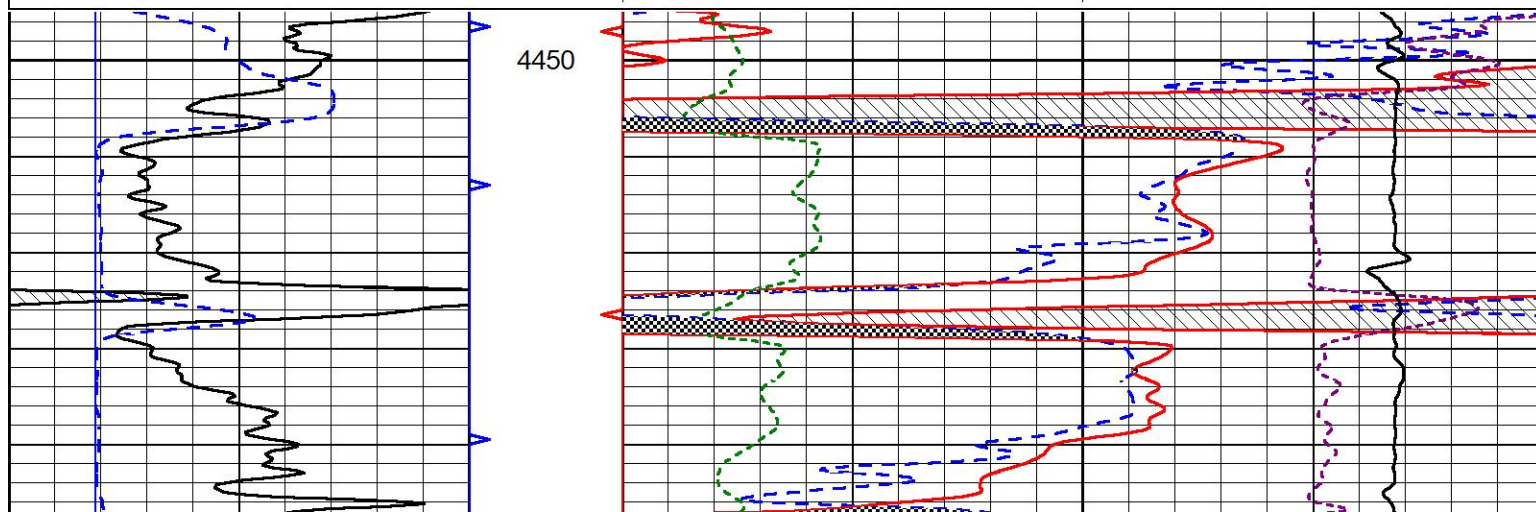


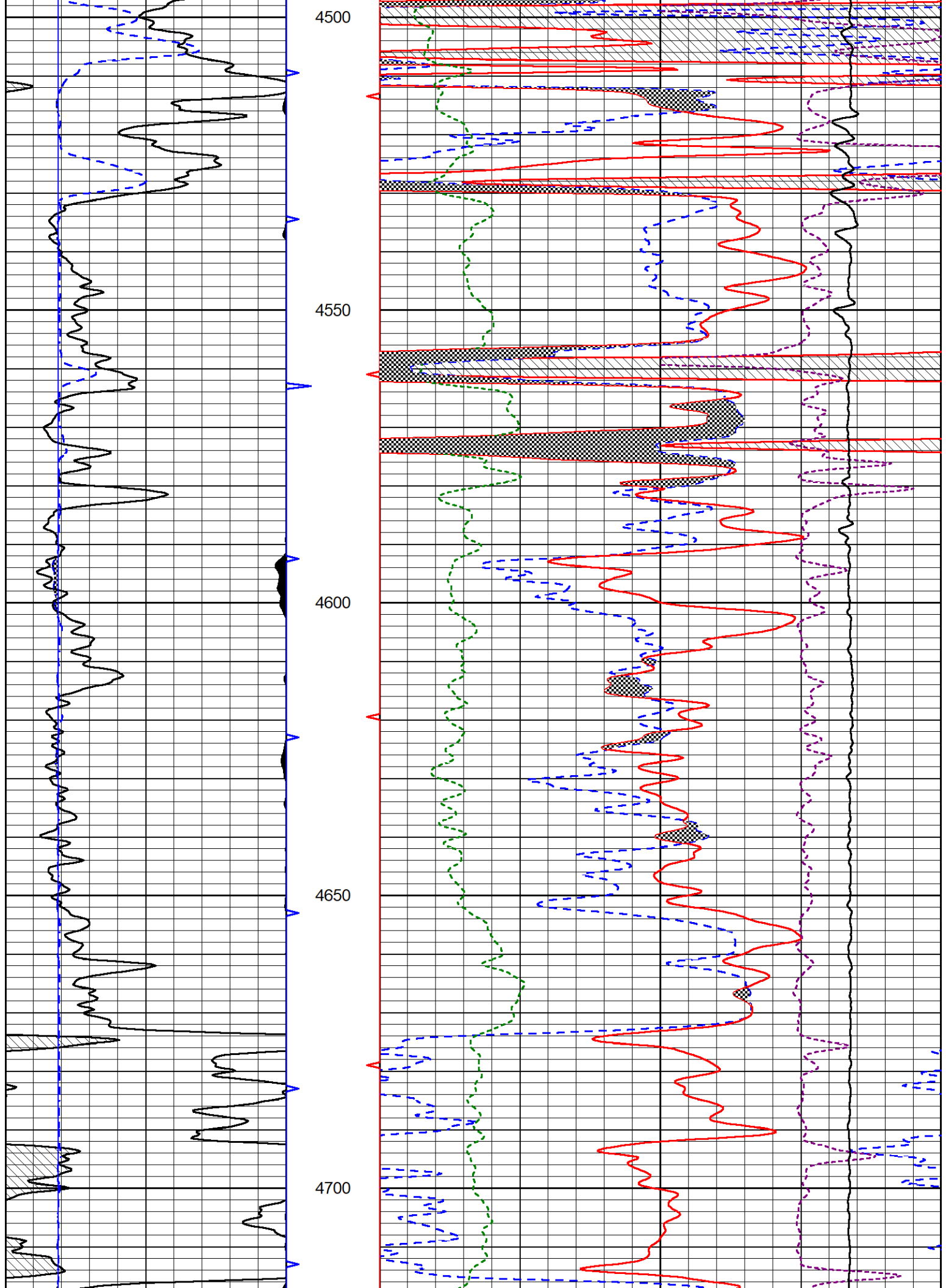
REPEAT SECTION

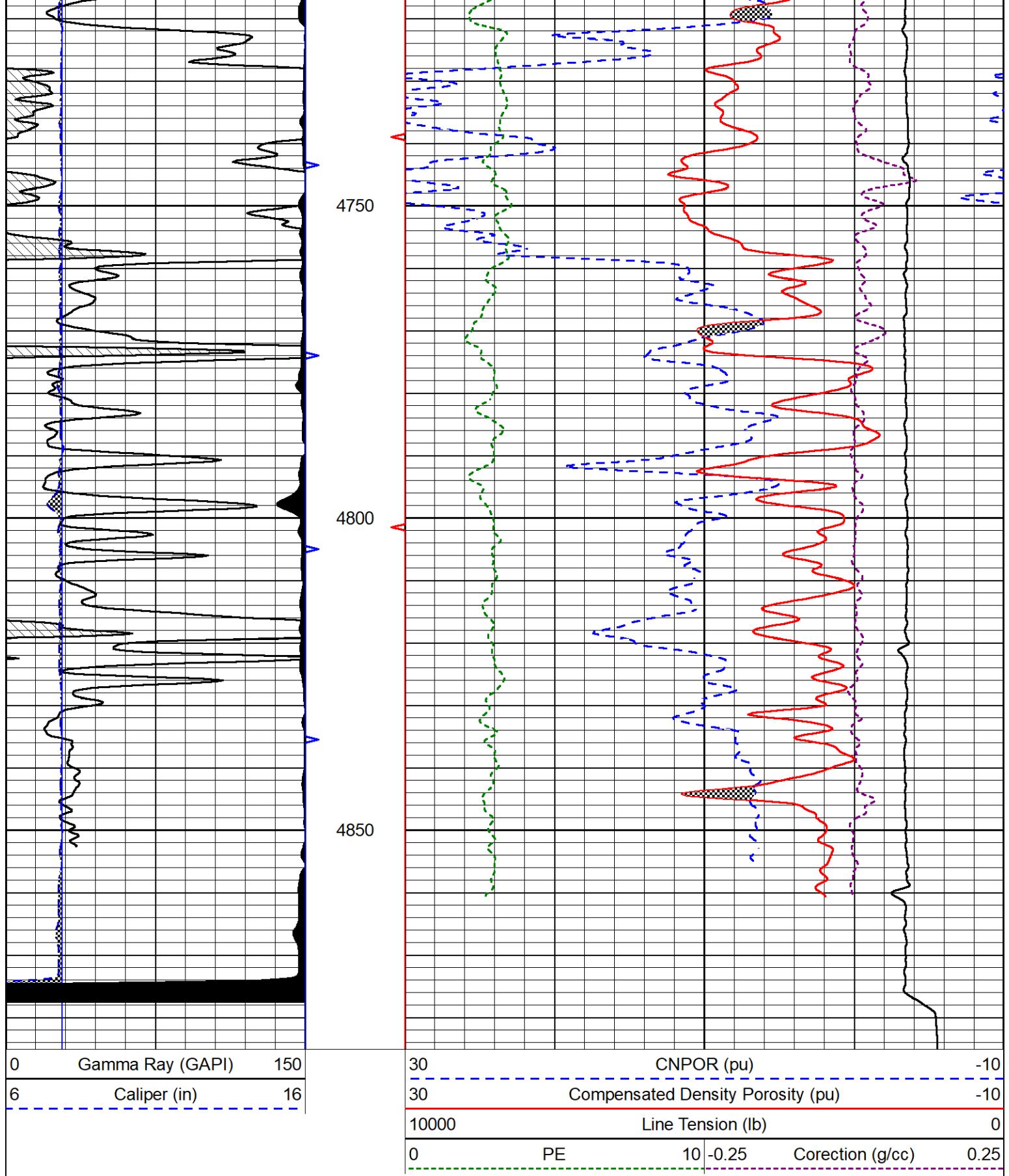
REPEAT PASS

Database File griffin_madelyn 2 owwo.db
Dataset Pathname stkml/pass2.1
Presentation Format _CNDLS~2
Dataset Creation Fri Jul 19 05:16:14 2024
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







Calibration Report

Database File griffin_madelyn 2 owwo.db
Dataset Pathname stkm/pass3.11
Dataset Creation Fri Jul 19 05:08:53 2024

Dual Induction Calibration Report

Serial Model:

506 M&W

		Readings		References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	84.211	428.152		0.000	255.800	mmho/m	0.465	-32.000
Medium	141.000	670.654		0.000	255.800	mmho/m	0.390	-10.000

Microlog Calibration Report

Serial-Model: Performed:	402-PSI STKBL ML Thu May 30 05:58:00 2024
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		Readings		References			Results	
	Zero	Cal		Zero	Cal		m	b
Normal	0.0037	0.0043		0.0000	10.0000	Ohm-m	14000.0000	-0.0000
Inverse	0.1208	0.0013		0.0000	10.0000	Ohm-m	19000.0000	0.0000
Caliper	1.0046	1.1419		5.5000	20.0000	in	50.0000	-44.6050

LITHODENSITY Calibration Report

Serial Number:	703-03								
Tool Model:	STEP LITHO Short								
Performed:	Fri May 31 13:59:15 2024								
Source:									
	Win1	Win2	Win3	Win4	Win5	Win6	Win7	Win8	
Background:									
SS:	56	59	223	276	25	75	46	1	cps
LS:	83	90	344	441	51	132	90	3	cps
Aluminum:									
SS:	1063	1260	2893	2631	48	80	48	3	cps
LS:	1179	2084	3854	1823	62	133	86	5	cps
Magnesium:									
SS:	1756	2035	4740	3894	55	79	49	4	cps
LS:	4981	8390	15059	6054	115	127	85	14	cps
Aluminum+Iron:									
SS:	676	887	2426	2310	45	79	52	2	cps
LS:	700	1495	3280	1630	60	131	90	5	cps
		Density			PE				
		Actual	Calibrated		Actual	Calibrated	Quality		
Background:									
SS:							0.236		
LS:							0.189		
Aluminum:									
SS:		2.6000	2.6000	g/cc			0.249		
LS:		2.6000	2.6000	g/cc			0.216		
Magnesium:									
SS:		1.6800	1.6800	g/cc	2.5700	2.5700	0.232		
LS:		1.6800	1.6800	g/cc	2.5700	2.5700	0.198		
Aluminum+Iron:									
SS:						6.1800	0.208		
LS:						6.1800	0.188		

Caliper:	Reference:	Reading:
Small Ring:	6.0 in	1.0
Large Ring:	14.0 in	1.0
Gain:	12.765	

Offset: 2.050

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:	Sat Oct 21 23:48:19 2023
Calibrator Value:	500.0 GAPI
Background Reading:	24.0 cps
Calibrator Reading:	637.0 cps
Sensitivity:	0.6000 GAPI/cps



Company	Griffin Management, LLC
Well	Madelyn #2 OWWO
Field	Turkey Creek East
County	Barber
State	Kansas