



Company: **STONE ENERGY**

Well: **POTOCZNY UNIT A 1-H**

Field: **FARMINGTON**

County: **MARION**

State: **WEST VIRGINIA**

**PLATFORM EXPRESS
LITHO DENSITY / COMPENSATED NEUTRON
CALIPER / GAMMA RAY**

County: **MARION**
Field: **FARMINGTON**
Location: **LAT. 39° 34' 08.9" N**
Well: **POTOCZNY UNIT A 1-H**
Company: **STONE ENERGY**

LOCATION		LAT. 39° 34' 08.9" N	Elev.: K.B. 1414.00 ft
		LONG. 80° 16' 04.2" W	G.L. 1404.00 ft
			D.F. 1414.00 ft
Permanent Datum:	GROUND LEVEL	Elev.: 1404.00 ft	
Log Measured From:	KELLY BUSHING	10.00 ft above Perm. Datum	
Drilling Measured From:	KELLY BUSHING		
API Serial No.	District:	Watershed:	Quadrangle:
47-049-02094	LINCOLN	DUNKARD MILL RUN	MANNINGTON 7.5'

Logging Date	8-May-2010	
Run Number	2	
Depth Driller	8006 ft	
Schlumberger Depth	7996 ft	
Bottom Log Interval	7994 ft	
Top Log Interval	2422 ft	
Casing Driller Size @ Depth	9.625 in @	2421 ft
Casing Schlumberger	2422 ft	
Bit Size	8.750 in	
Type Fluid In Hole	3% KCL MUD	
Density	8.48 lbm/gal	40 s
Fluid Loss	LATEROLOG	
Source Of Sample	RM @ Measured Temperature @ 103 degF	
	RMF @ Measured Temperature @ 103 degF	
	RMC @ Measured Temperature @ 103 degF	
Source RMF	RMC	RMF @ MRT
RM @ MRT	0.181 @ 125	0.136 @ 125
Maximum Recorded Temperatures	125 degF	
Circulation Stopped	Time	Time
Logger On Bottom	8-May-2010	3:15
Unit Number	3125	WESTON, WV
Recorded By	MICHAEL WINTER	
Witnessed By	DAVE OLDHAM / DUSTY MCCLURE	

Logging Date			
Run Number			
Depth Driller			
Schlumberger Depth			
Bottom Log Interval			
Top Log Interval			
Casing Driller Size @ Depth			
Casing Schlumberger			
Bit Size			
Type Fluid In Hole			
Density			
Fluid Loss			
Source Of Sample			
RM @ Measured Temperature			
RMF @ Measured Temperature			
RMC @ Measured Temperature			
Source RMF	RMC	RMF @ MRT	
RM @ MRT	@	@	
Maximum Recorded Temperatures			
Circulation Stopped	Time	Time	
Logger On Bottom			
Unit Number			
Recorded By			
Witnessed By			

DEPTH SUMMARY LISTING

Date Created: 8-MAY-2010 5:06:24

Depth System Equipment

Depth Measuring Device	Tension Device	Logging Cable
Type: IDW-B Serial Number: 6693 Calibration Date: 30-NOV-2009 Calibrator Serial Number: 33 Calibration Cable Type: 7-39P LXS Wheel Correction 1: -7 Wheel Correction 2: -4	Type: CMTD-B/A Serial Number: 1740 Calibration Date: 21-APR-2010 Calibrator Serial Number: 78769 Number of Calibration Points: 10 Calibration RMS: 57 Calibration Peak Error: 82	Type: 7-39P LXS Serial Number: 708268 Length: 17450 FT Conveyance Method: Wireline Rig Type: LAND

Depth Control Parameters

Log Sequence:	Subsequent Trip To the Well
Reference Log Name:	PLATFORM EXPRESS
Reference Log Run Number:	1
Reference Log Date:	06-MAY-2010
Subsequent Trip Down Log Correction:	1.50 FT

Depth Control Remarks

1. SCHLUMBERGER SUBSEQUENT TRIP DEPTH POLICY FOLLOWED
2. IDW WAS PRIMARY DEPTH CONTROL
3. Z-CHART WAS SECONDARY DEPTH CONTROL
4.
5.
6.

DISCLAIMER

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OTHER SERVICES1 OS1: ECS OS2: HRLA OS3: BHC OS4: OS5:	OTHER SERVICES2 OS1: OS2: OS3: OS4: OS5:
REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
PRESENTATIONS AS PER CLIENT REQUEST	
TOOLS RUN AS PER TOOL SKETCH	
ALL SCHLUMBERGER DEPTH CONTROL POLICIES FOLLOWED	
MATRIX = LIMESTONE	
MATRIX DENSITY = 2.71 G/CC	

MUD RESISTIVITY WAS TAKEN FROM LATEROLOG BECAUSE WELL WAS BOTTOM LOAD

1 FOOT OF FILL BETWEEN FIRST AND SECOND RUN

THANK YOU FOR CHOOSING SCHLUMBERGER WIRELINE!
YOUR CREW TODAY: MARK IRELAND & BLAINE DOUGLAS

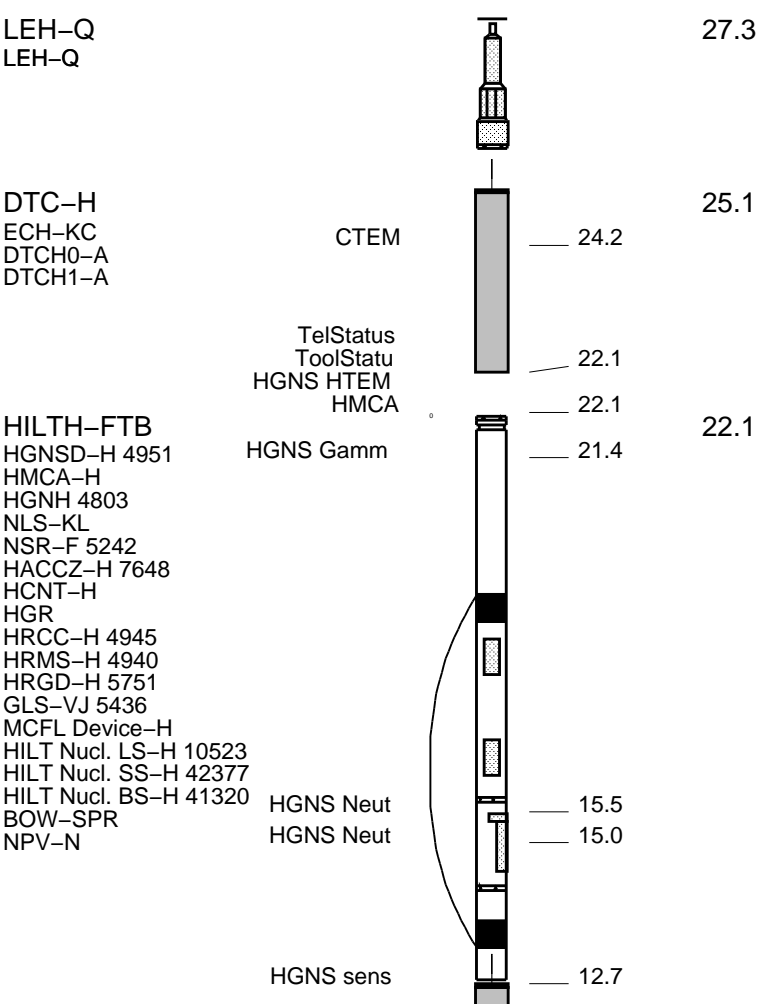
RUN 1			RUN 2		
SERVICE ORDER #:	BEUA-00006		SERVICE ORDER #:		
PROGRAM VERSION:	17C0-154		PROGRAM VERSION:		
FLUID LEVEL:	1100 ft		FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

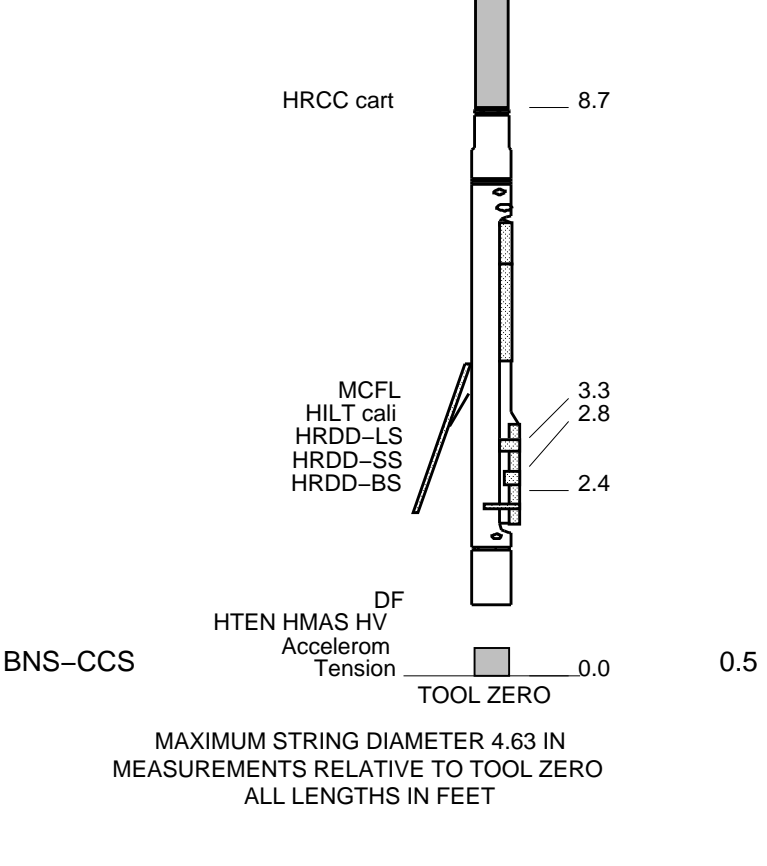
EQUIPMENT DESCRIPTION

RUN 1 RUN 2

SURFACE EQUIPMENT
GSR-U/Y 1156 WITM (DTS)-A
NCT-B
CNB-AB
NCS-VB

DOWNHOLE EQUIPMENT





**Main Pass
2 Inch / 100 Feet**

MAXIS Field Log

Input DLIS Files

DEFAULT	MERGE_TLD_MCFL_CNL_018GUP	FN:1	PRODUCER	08-May-2010 06:12	8011.5 FT	21.0 FT
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Output DLIS Files

DEFAULT	TLD_MCFL_CNL_019PUP	FN:14	PRODUCER	08-May-2010 06:14	8011.5 FT	21.5 FT
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Integrated Hole/Cement Volume Summary

Hole Volume = 2361.01 F3
 Cement Volume = 1441.21 F3 (assuming 5.50 IN casing O.D.)
 Computed from 7997.0 FT to 2422.0 FT using data channel(s) HCAL

OP System Version: 17C0-154

HILTH-FTB	17C0-154	DTC-H	17C0-154
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PIP SUMMARY

- ┆ Integrated Hole Volume Minor Pip Every 10 F3
- ┆ Integrated Hole Volume Major Pip Every 100 F3
 - ┆ Integrated Cement Volume Minor Pip Every 10 F3
 - ┆ Integrated Cement Volume Major Pip Every 100 F3

NEUTRON DENSITY CROSS OVER
From DPHZ to NPHI

Std. Res. Formation Density (RHOZ)

2 (G/C3) 3

Std. Res. Formation Pe (PEFZ)

0 (----) 10

Neutron Porosity (NPHI)

0.3 (V/V) -0.1

Density Correction (HDRA)

-0.05 (G/C3) 0.45

Std. Res. Density Porosity (DPHZ)

0.3 (V/V) -0.1

GR > 200
From LHT1 to GR1

Tension (TENS)

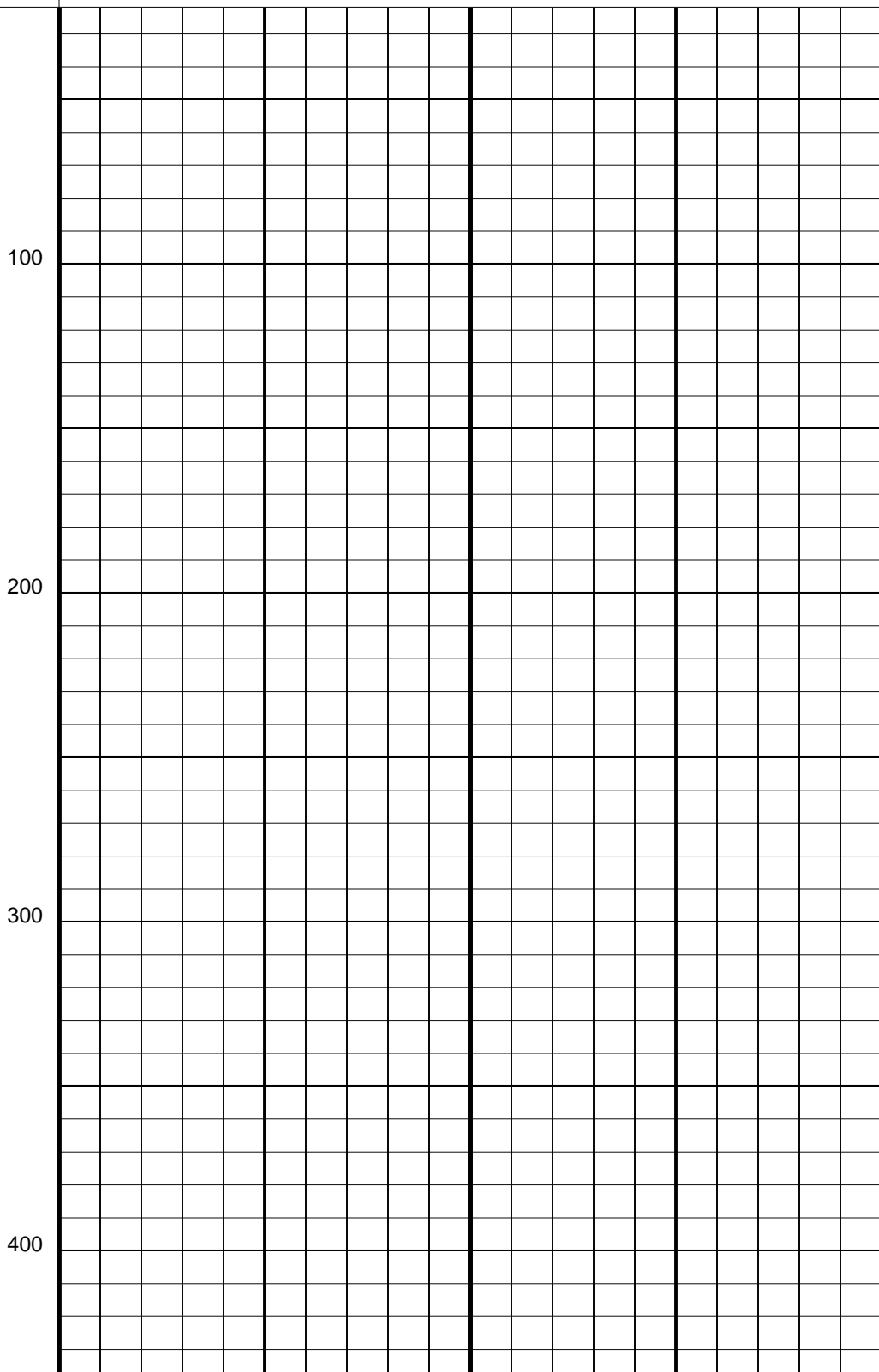
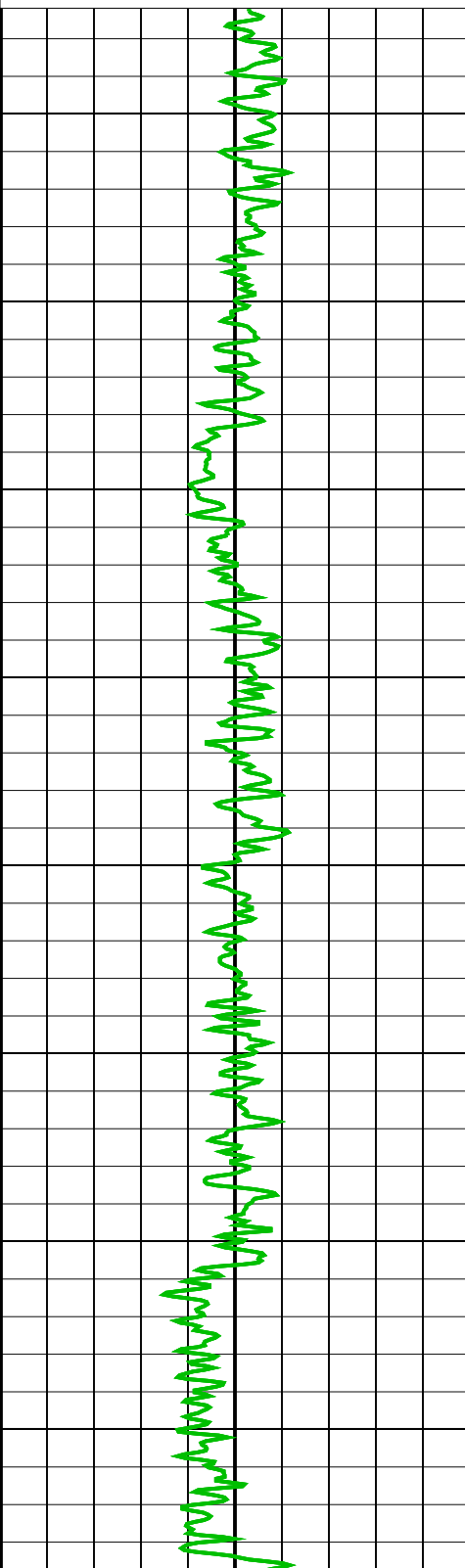
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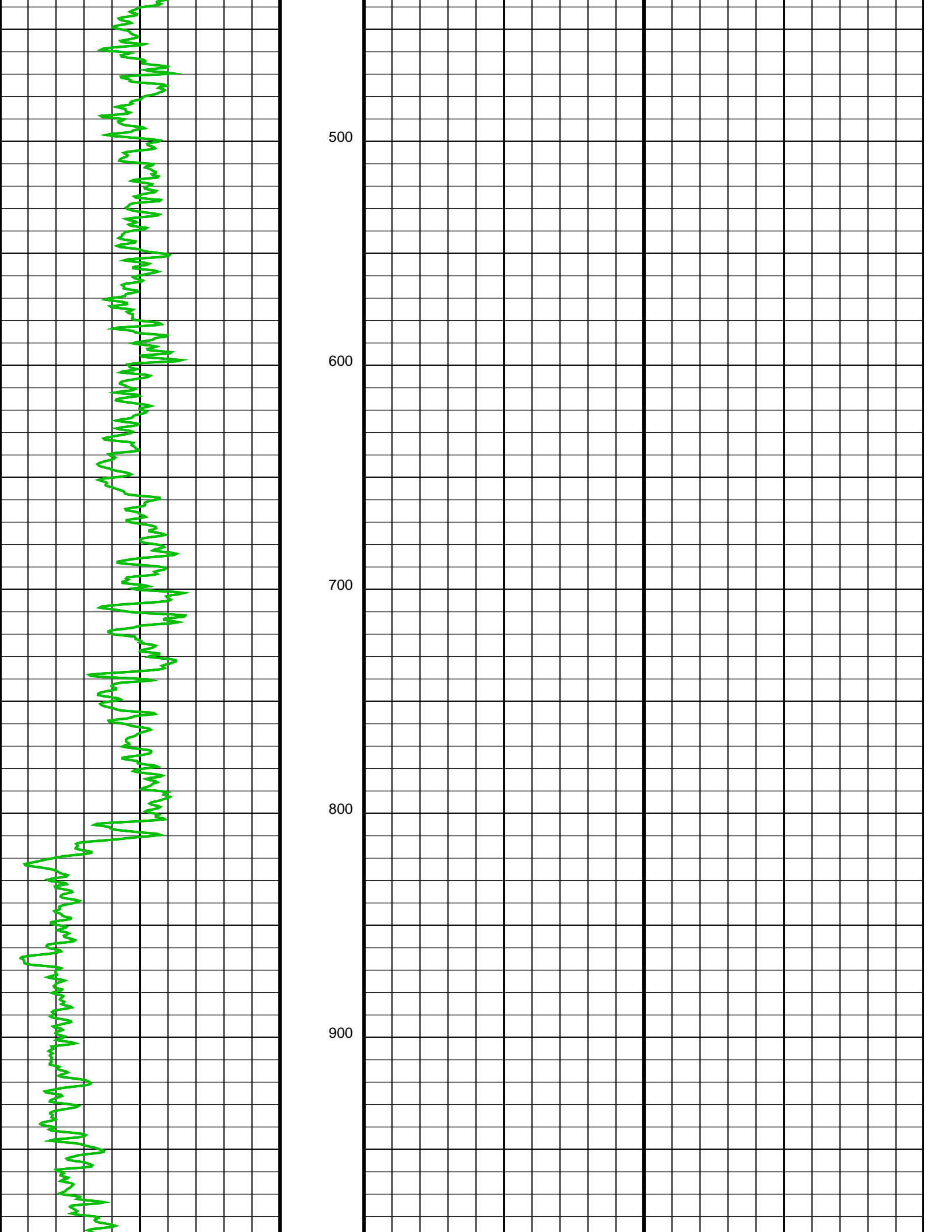
HILT Caliper (HCAL)

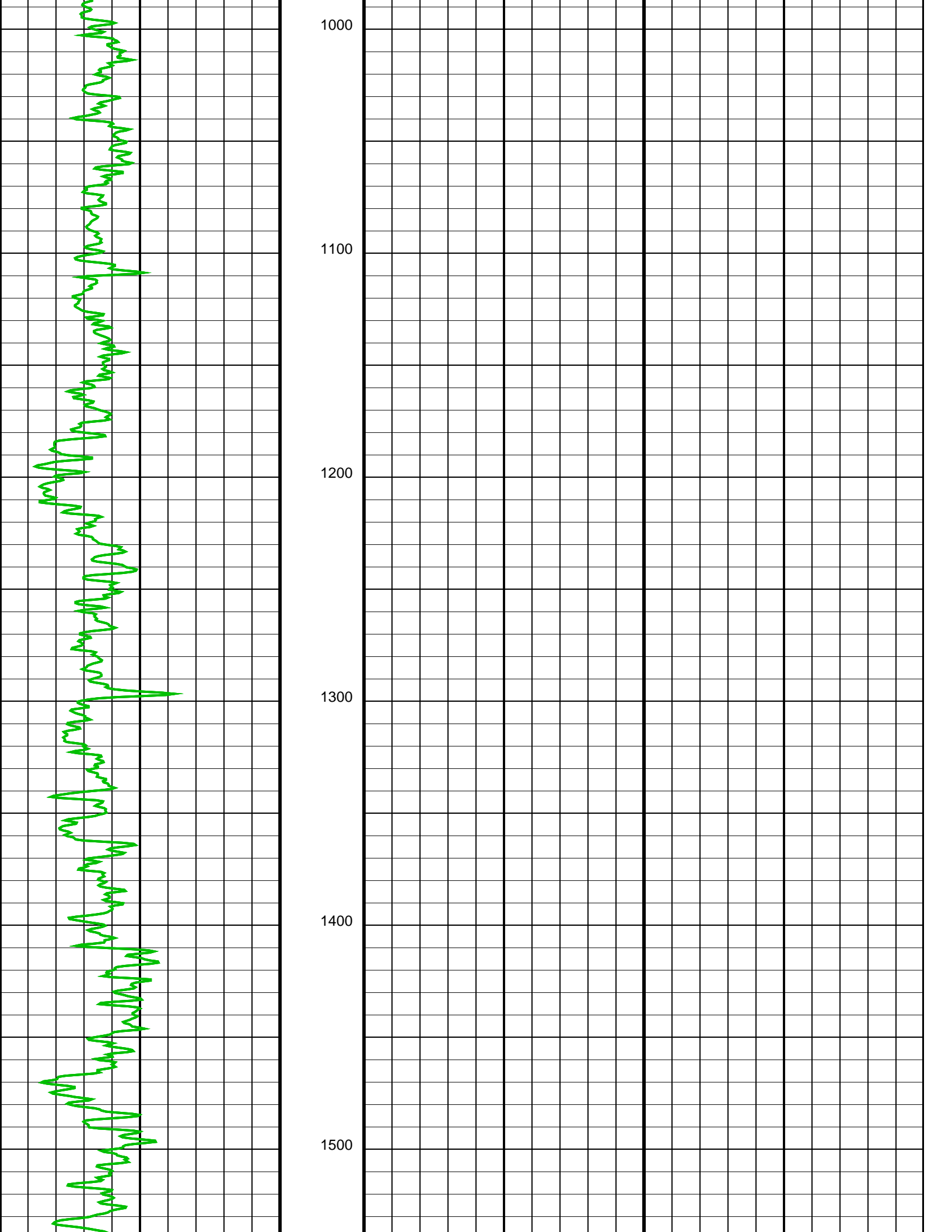
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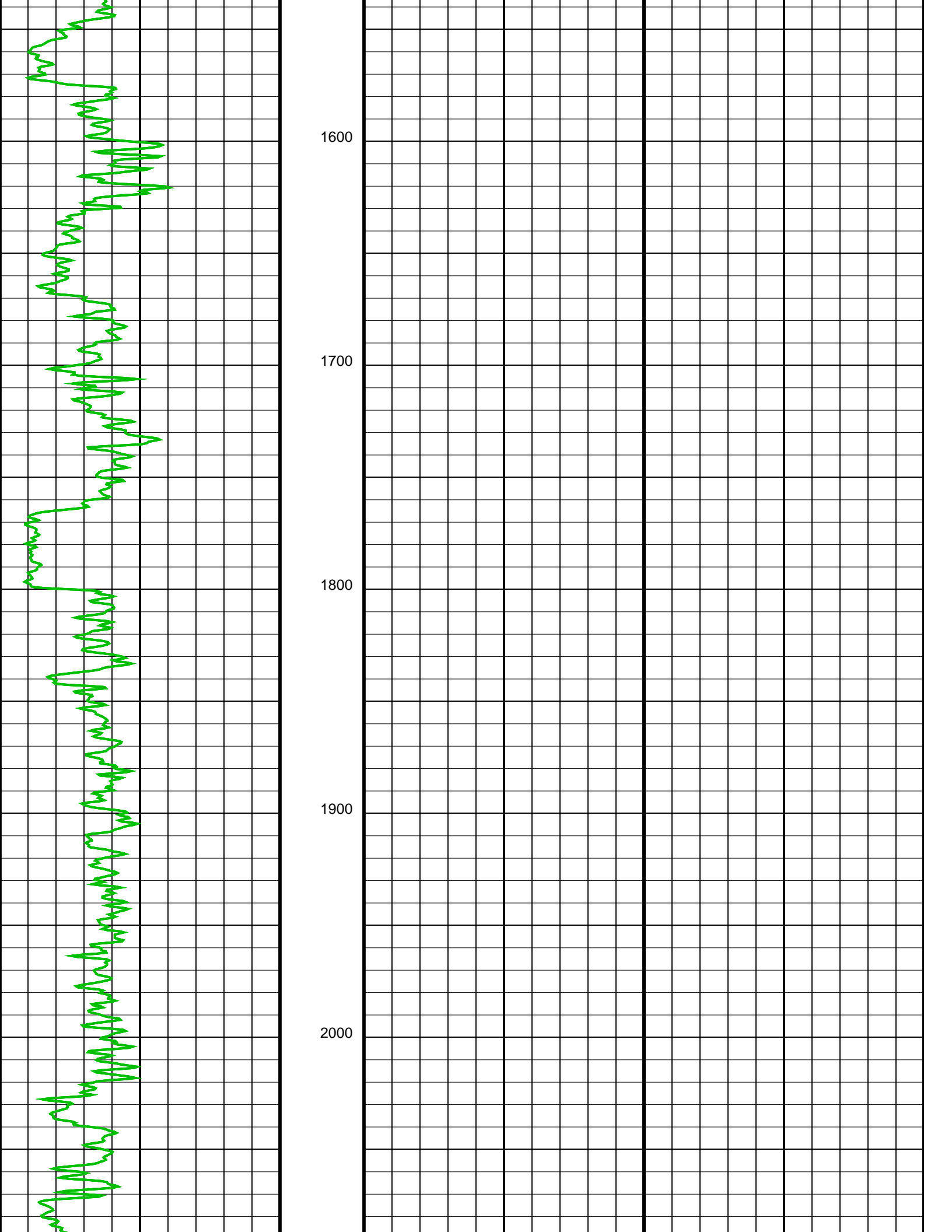
Gamma Ray (GR)

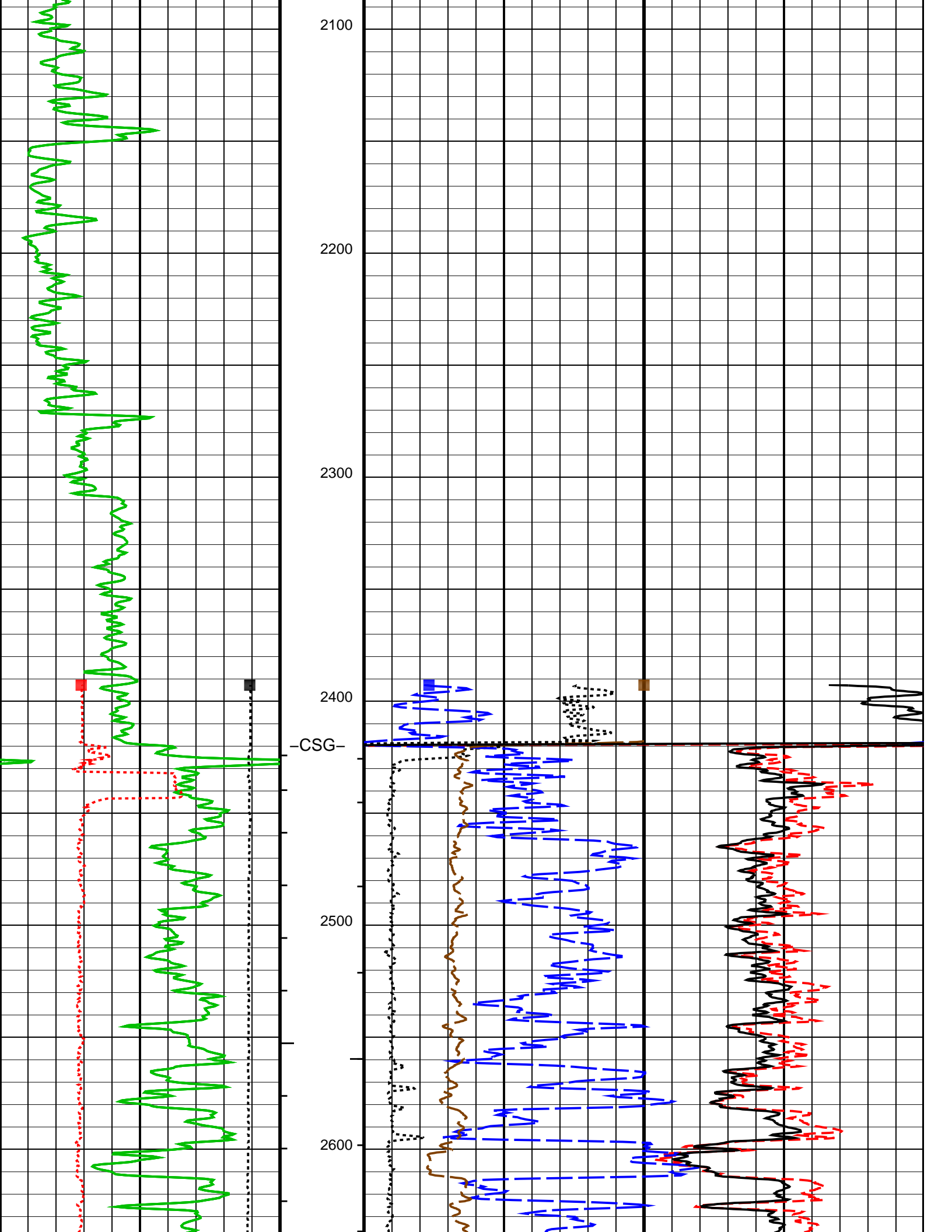
0 (GAPI) 200

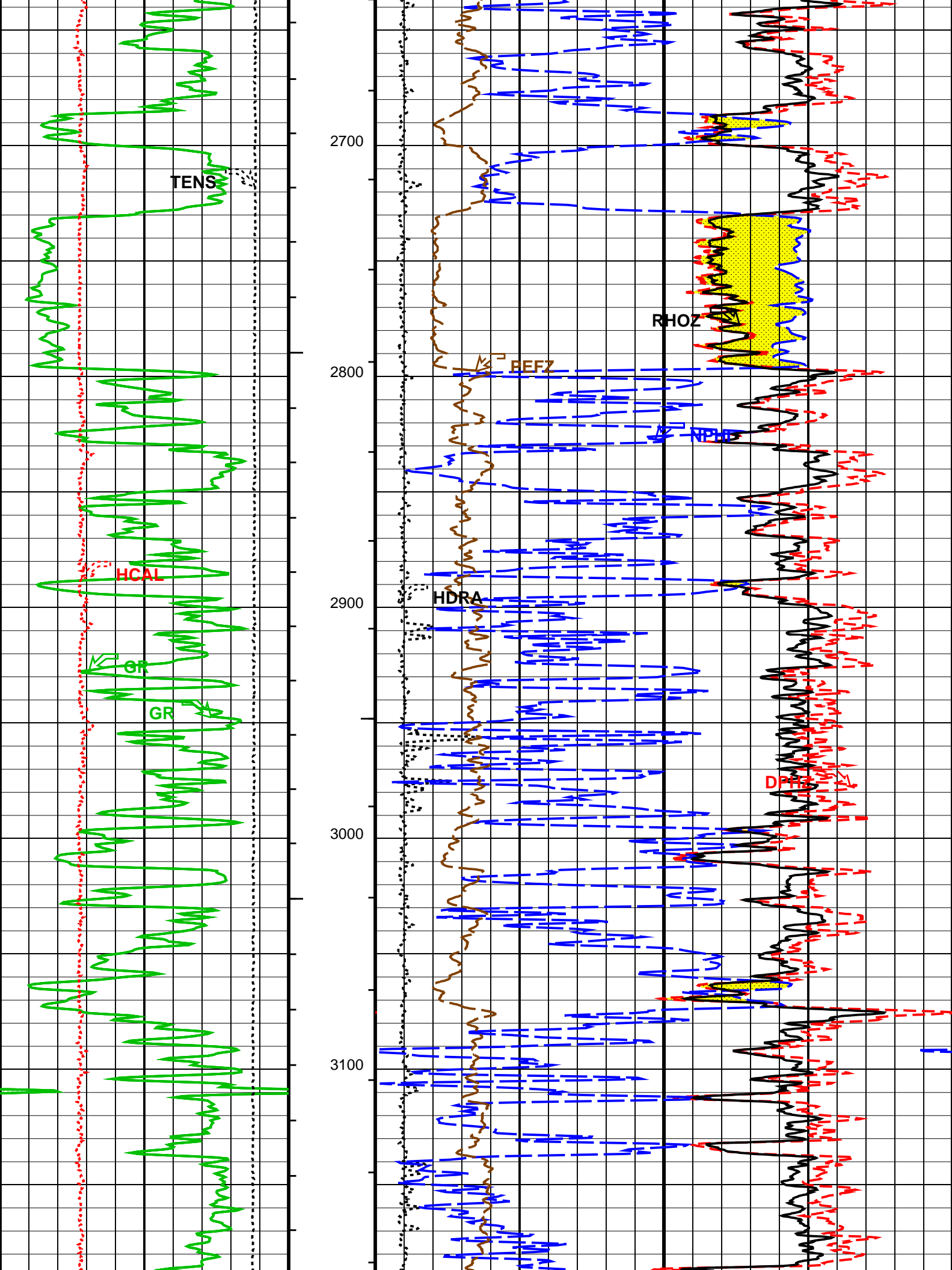


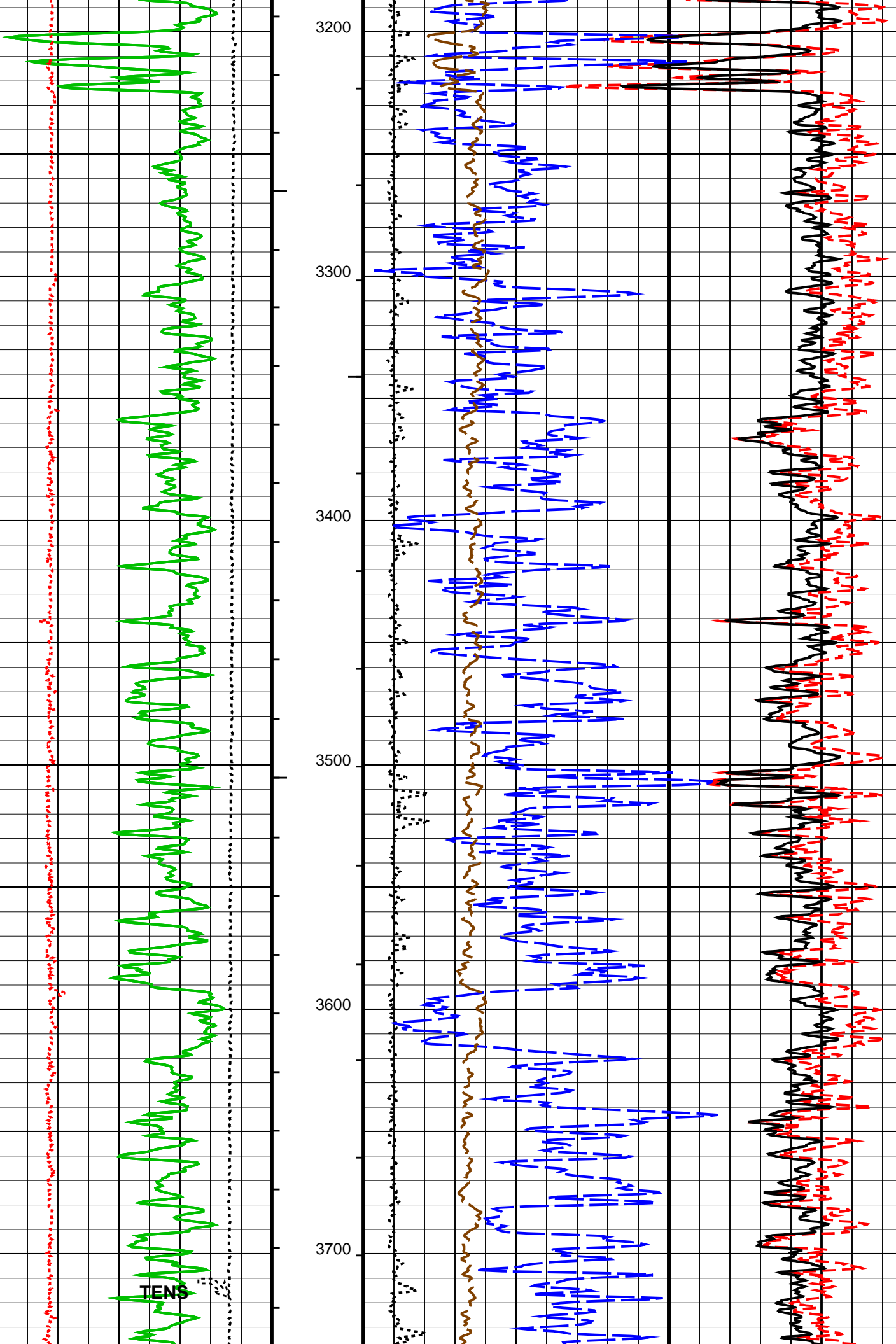


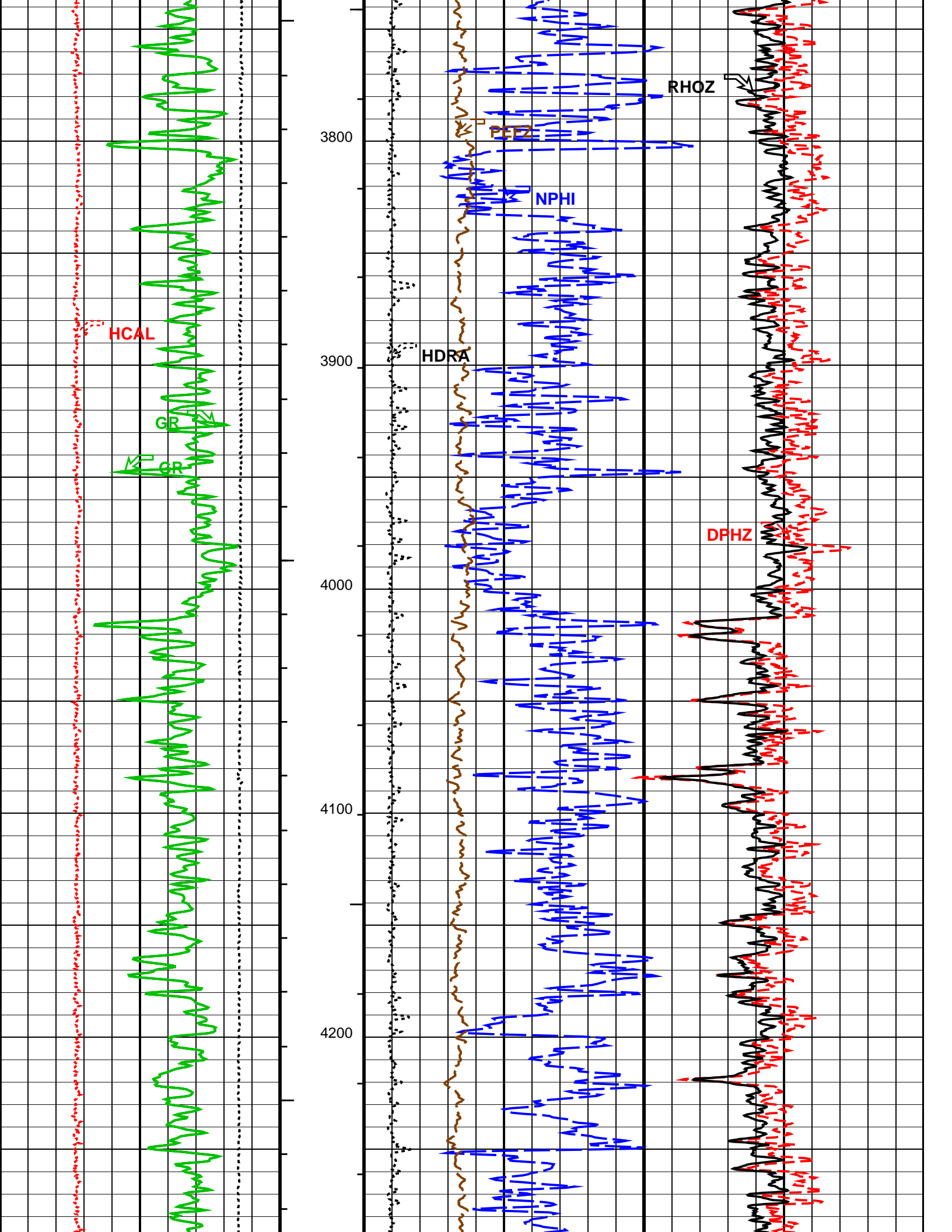


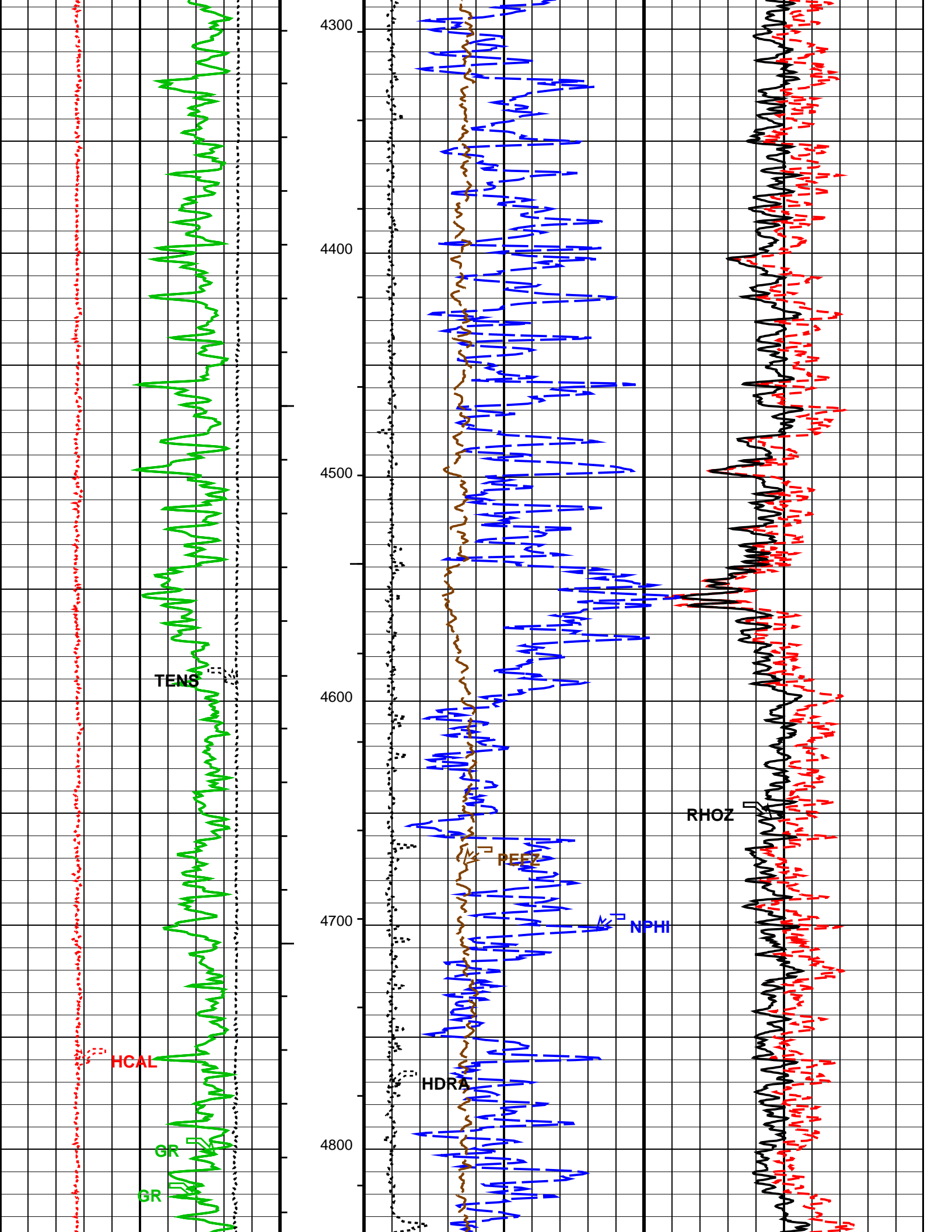


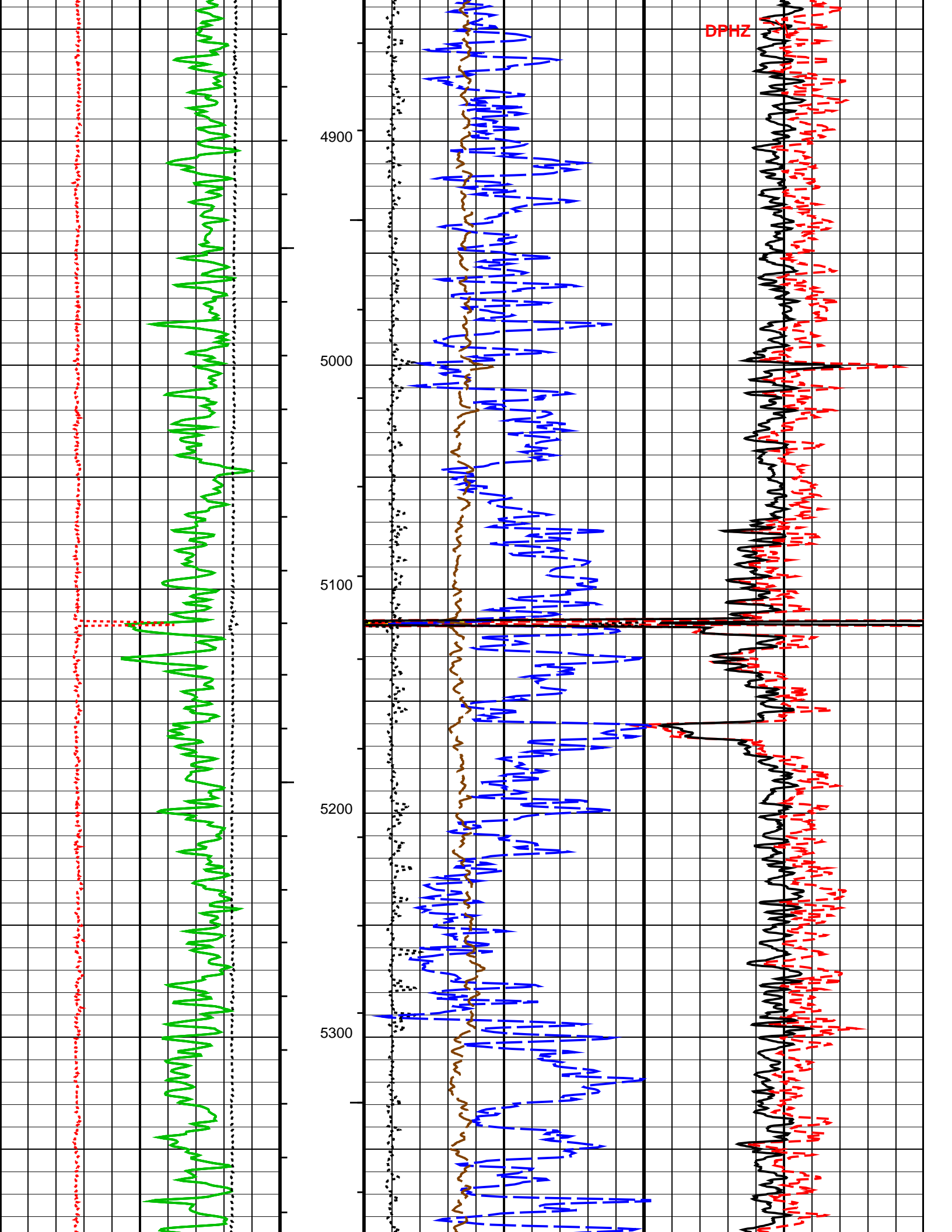












DPHZ

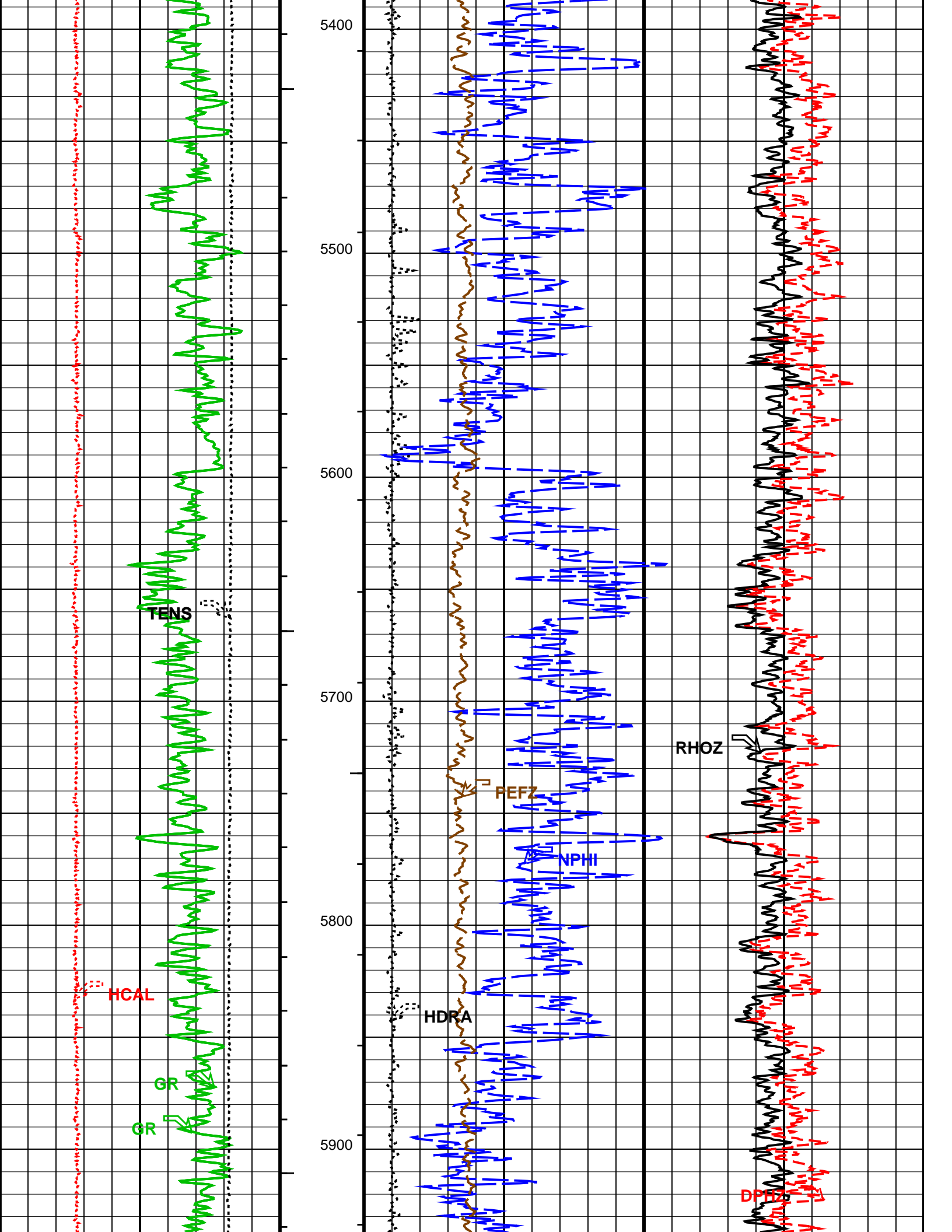
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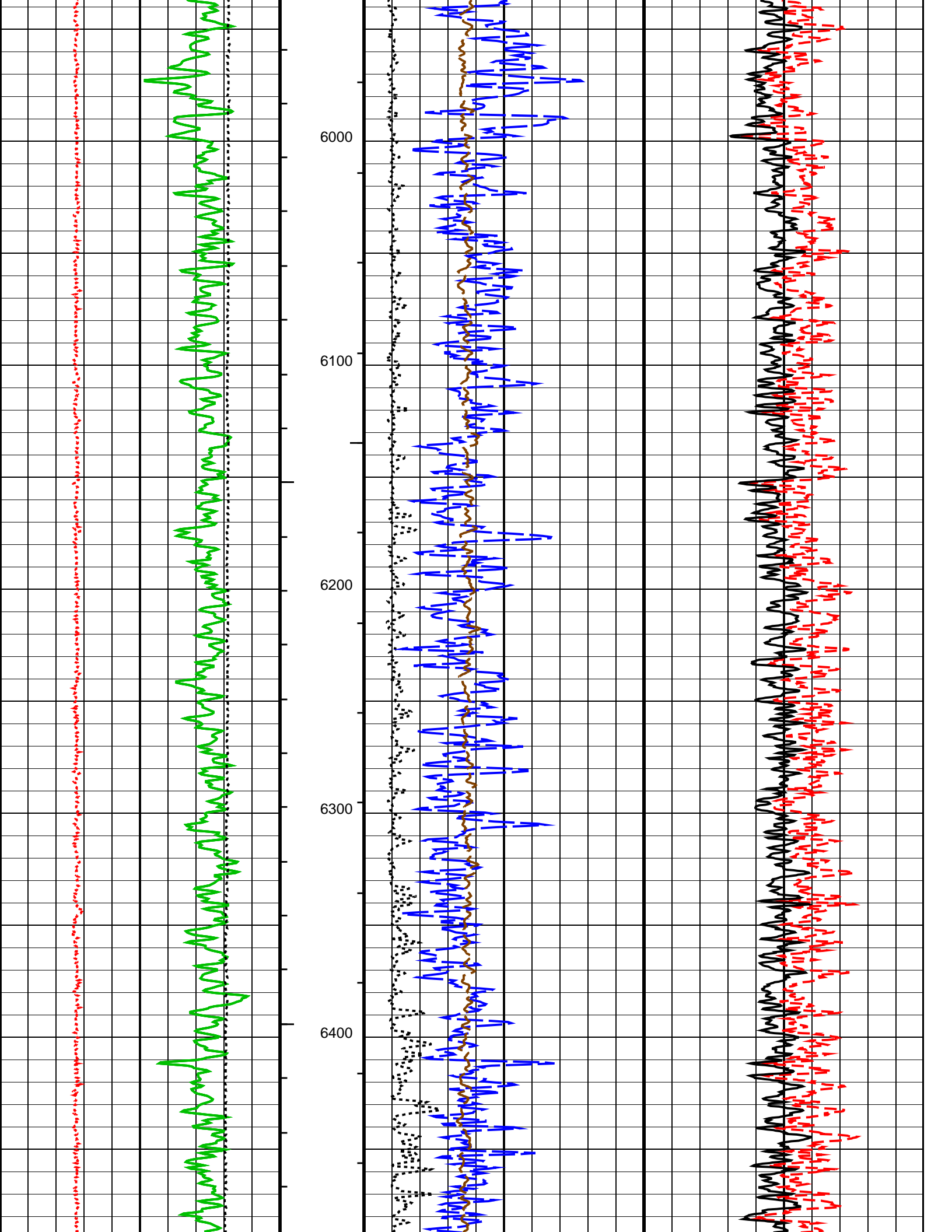
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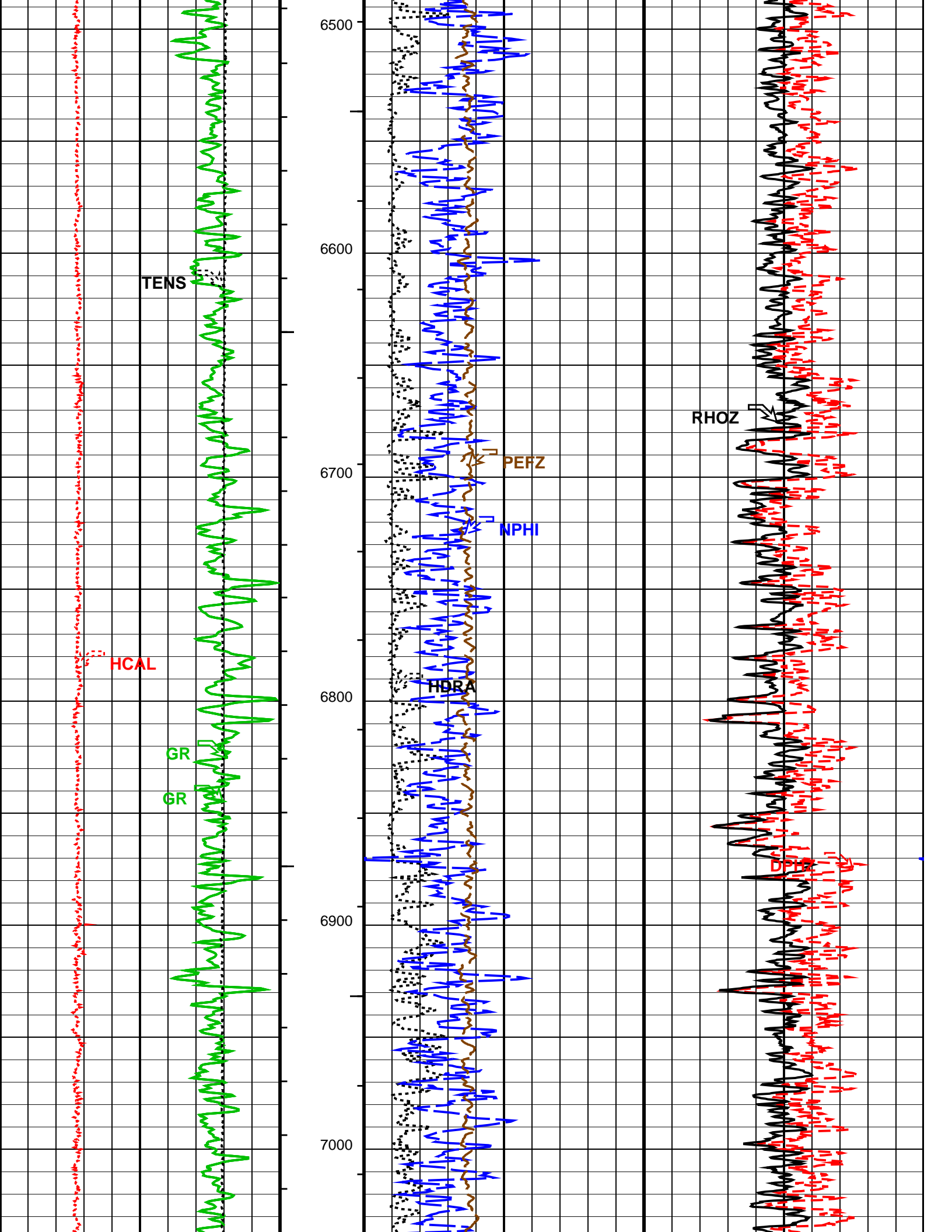
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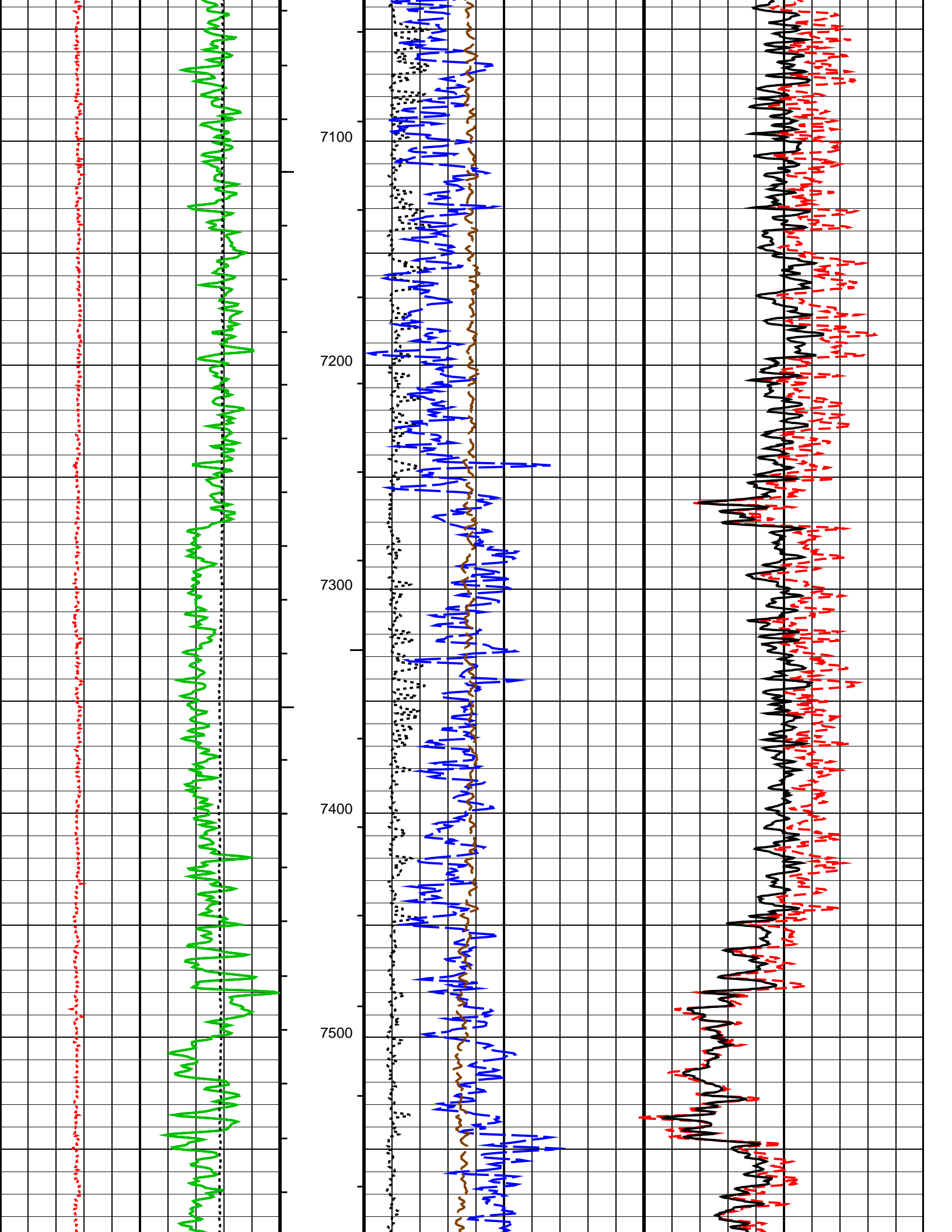
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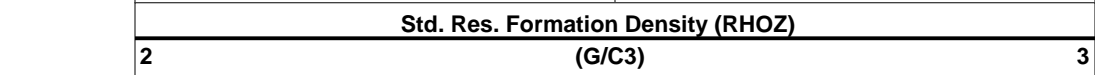
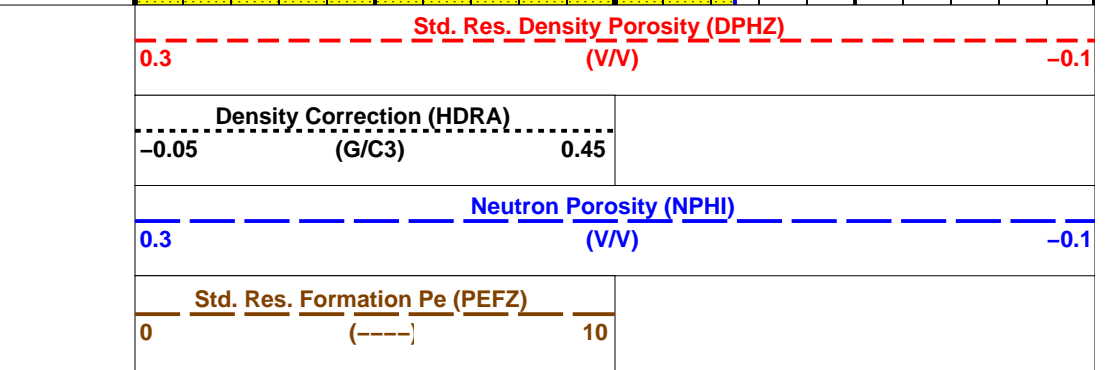
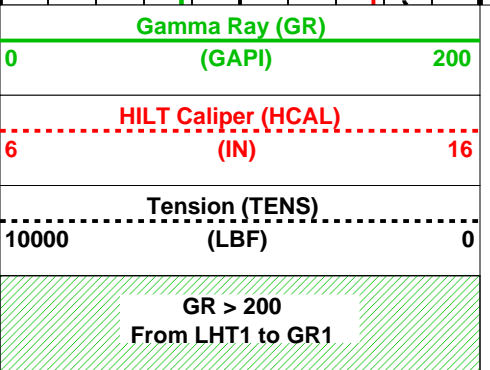
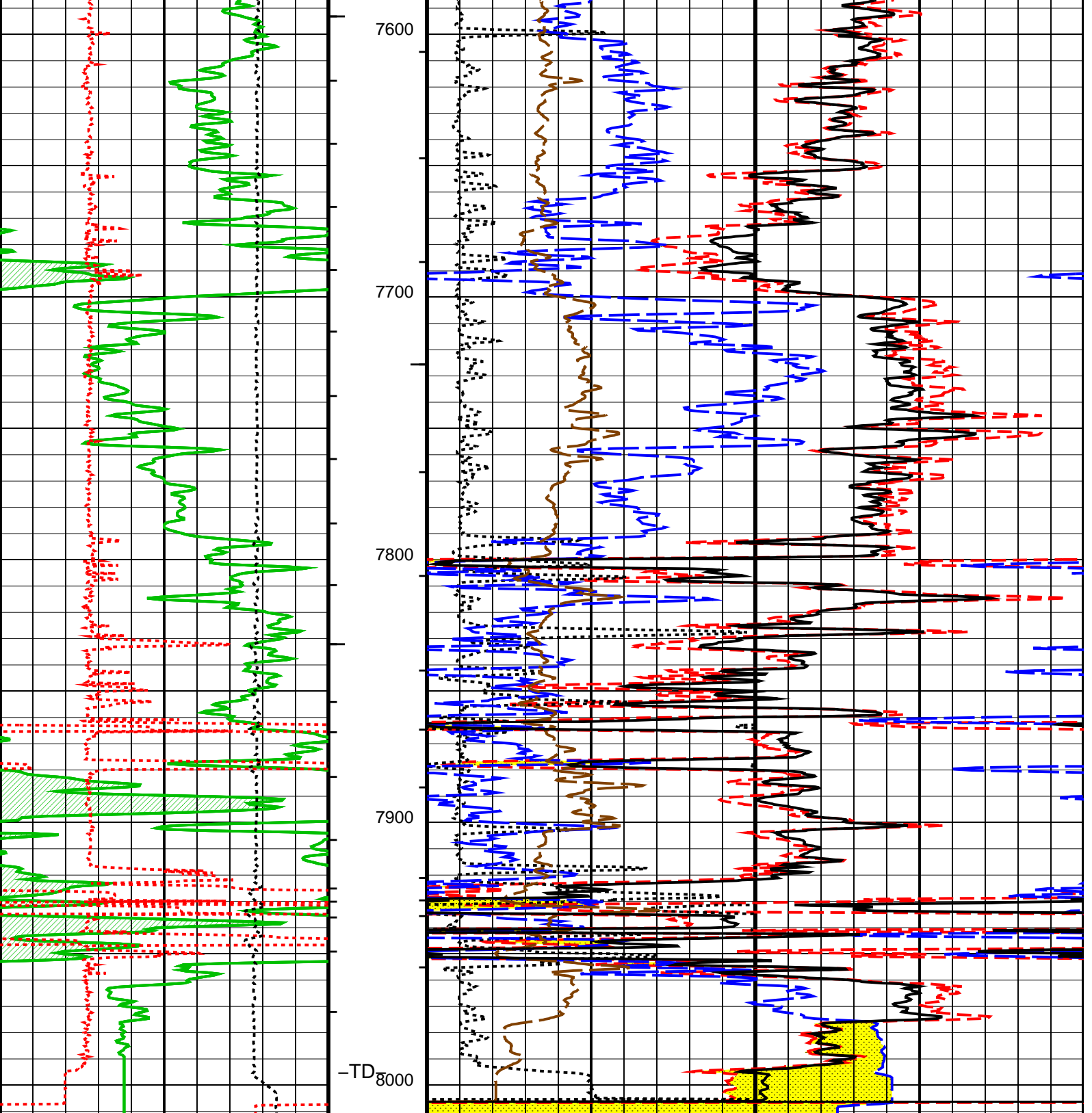
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PIP SUMMARY

- ┆ Integrated Hole Volume Minor Pip Every 10 F3
- ┆ Integrated Hole Volume Major Pip Every 100 F3
 - ┆ Integrated Cement Volume Minor Pip Every 10 F3
 - ┆ Integrated Cement Volume Major Pip Every 100 F3

Parameters

DLIS Name	Description	Value
HILTH-FTB: High resolution Integrated Logging Tool-DTS		
BHFL_TLD	HILT Nuclear Mud Base	WATER
BHS	Borehole Status	OPEN
DHC	Density Hole Correction	BS
FD	Fluid Density	1 G/C3
GCLF	Germany Coal-like Formation Option	NO
GCSE	Generalized Caliper Selection	HCAL
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE
MDEN	Matrix Density	2.71 G/C3
NAAC	HRDD APS Activation Correction	OFF
NMT	HILT Nuclear Mud Type	NOBARITE
NPRM	HRDD Processing Mode	HiRes
NSAR	HRDD Depth Sampling Rate	1 IN
HOLEV: Integrated Hole/Cement Volume		
BHS	Borehole Status	OPEN
FCD	Future Casing (Outer) Diameter	5.5 IN
GCSE	Generalized Caliper Selection	HCAL
HVCS	Integrated Hole Volume Caliper Selection	AUTOMATIC
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE
System and Miscellaneous		
BS	Bit Size	8.750 IN
DFD	Drilling Fluid Density	8.48 LB/G
DO	Depth Offset for Playback	0.0 FT
PP	Playback Processing	NORMAL
TD	Total Depth	7997 FT

Format: DENSITY_2 Vertical Scale: 2" per 100' Graphics File Created: 08-May-2010 06:15

OP System Version: 17C0-154

HILTH-FTB 17C0-154 DTC-H 17C0-154

Input DLIS Files

DEFAULT MERGE_TLD_MCFL_CNL_018GUP FN:1 PRODUCER 08-May-2010 06:12 8011.5 FT 21.0 FT

Output DLIS Files

DEFAULT TLD_MCFL_CNL_019PUP FN:14 PRODUCER 08-May-2010 06:14



Main Pass
5 Inch / 100 Feet

MAXIS Field Log

Input DLIS Files

DEFAULT MERGE_TLD_MCFL_CNL_018GUP FN:1 PRODUCER 08-May-2010 06:12 8011.5 FT 21.0 FT

Output DLIS Files

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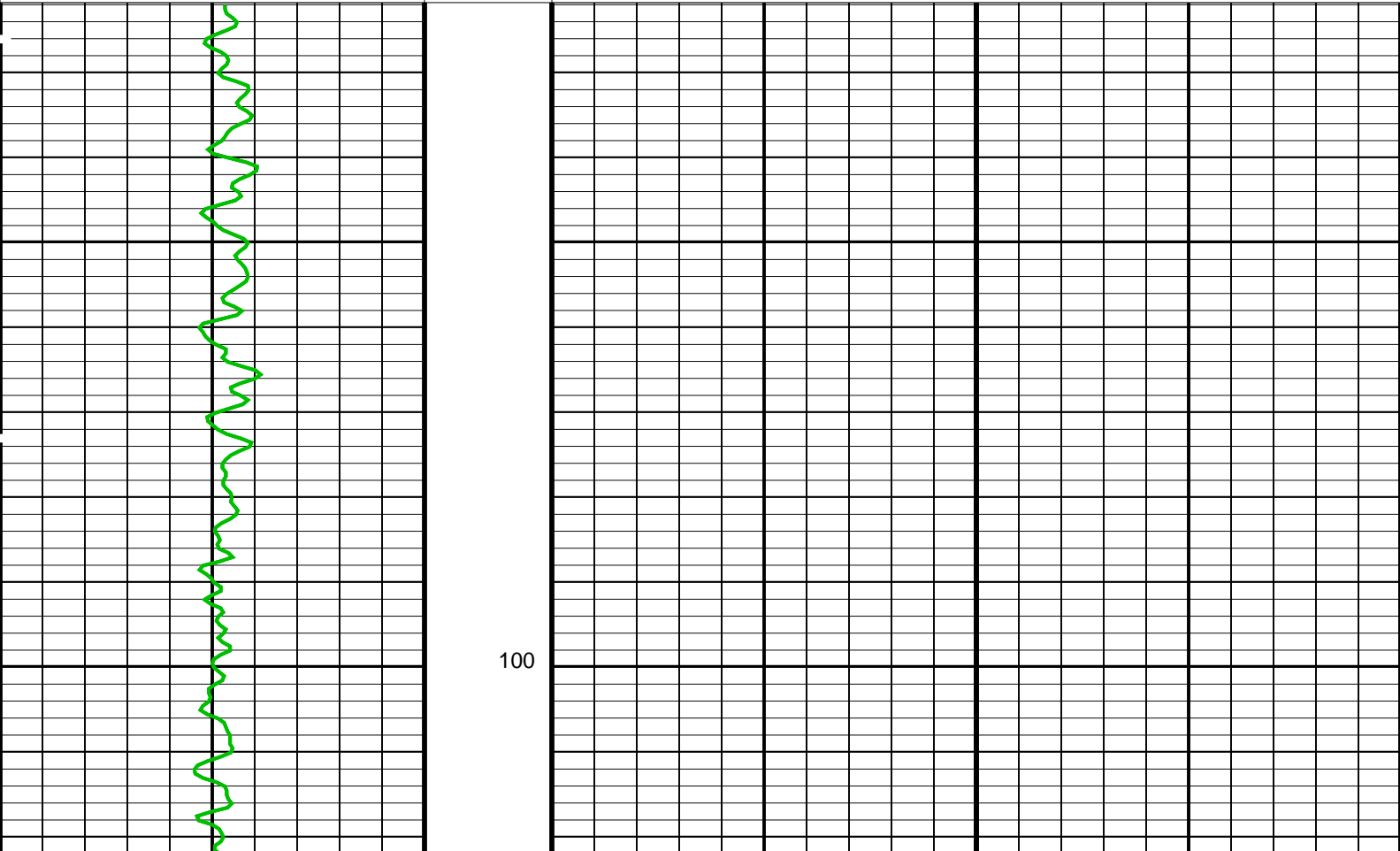
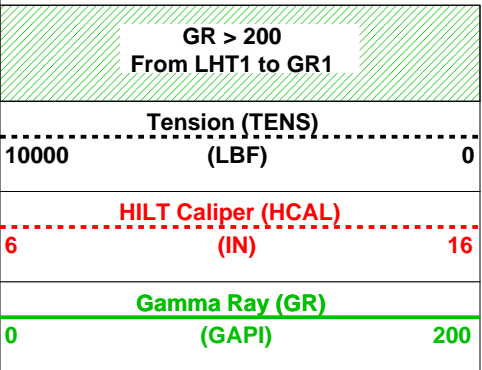
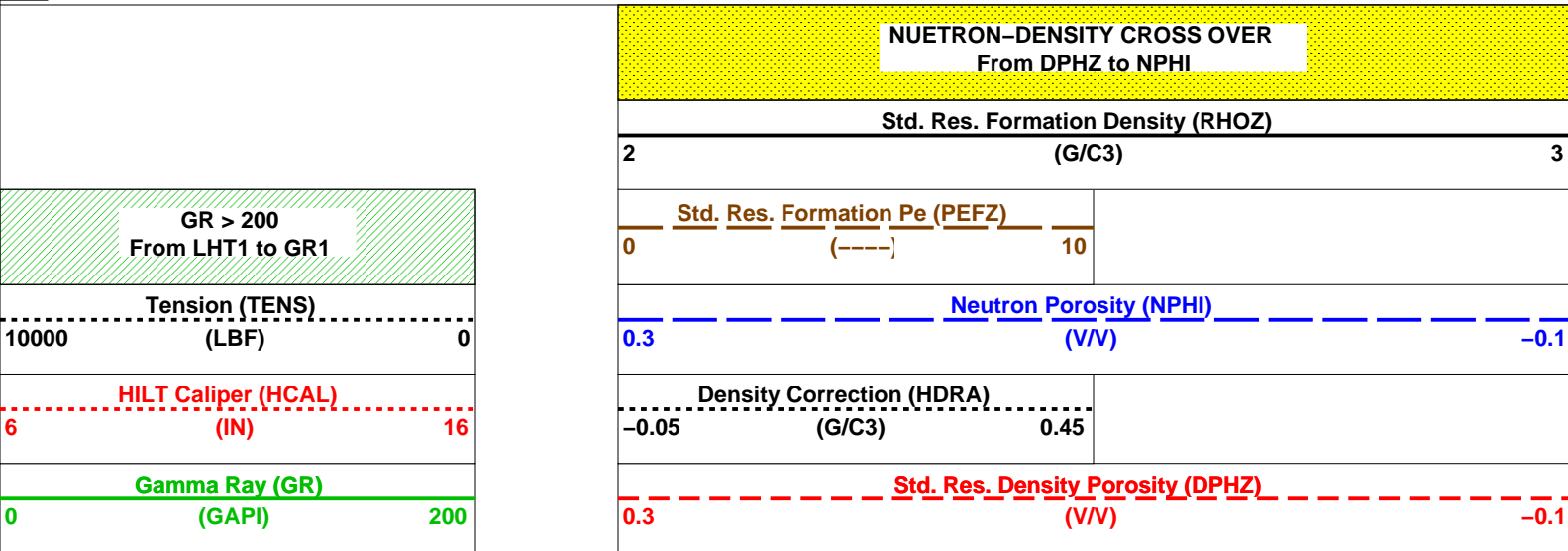
OP System Version: 17C0-154

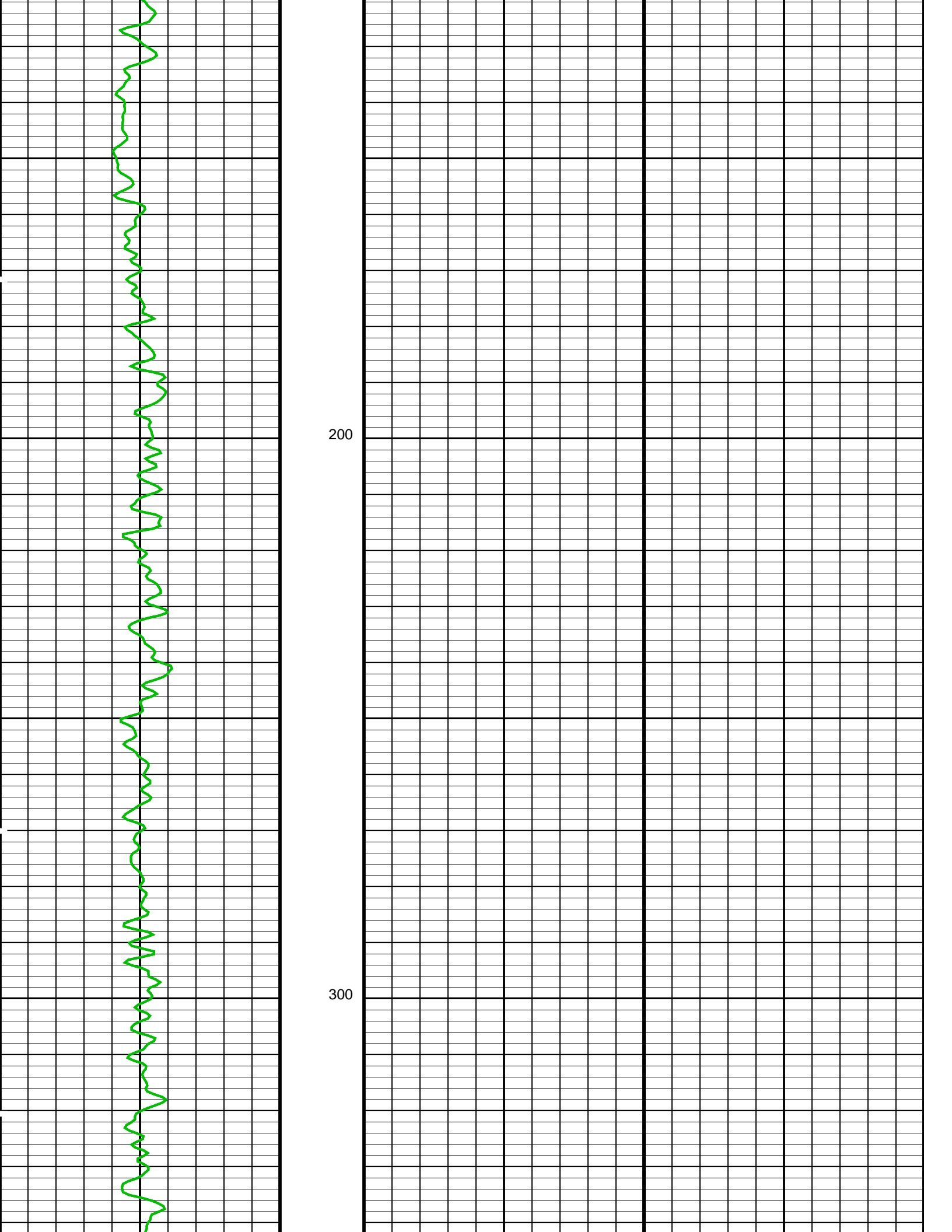
HILTH-FTB 17C0-154 DTC-H 17C0-154

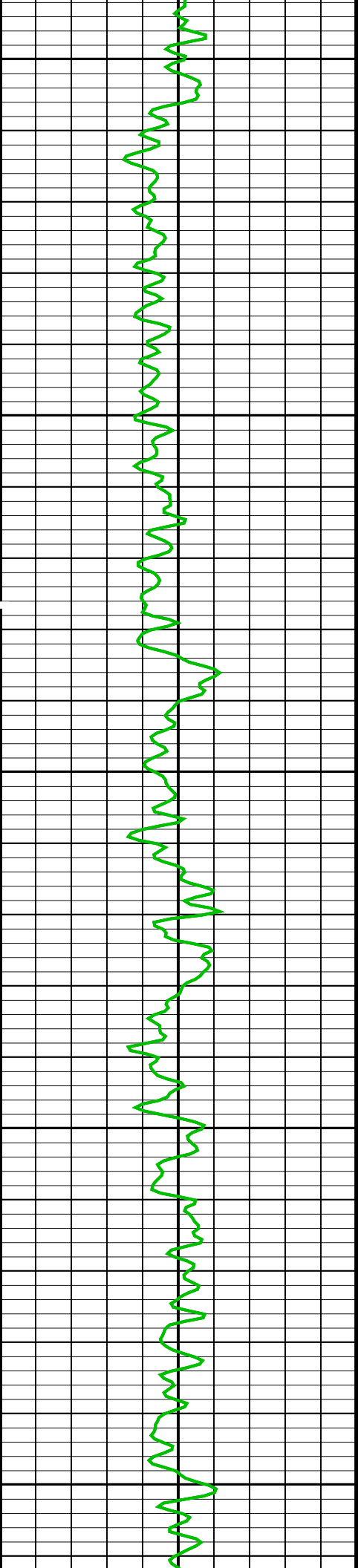
PIP SUMMARY

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Time Mark Every 60 S

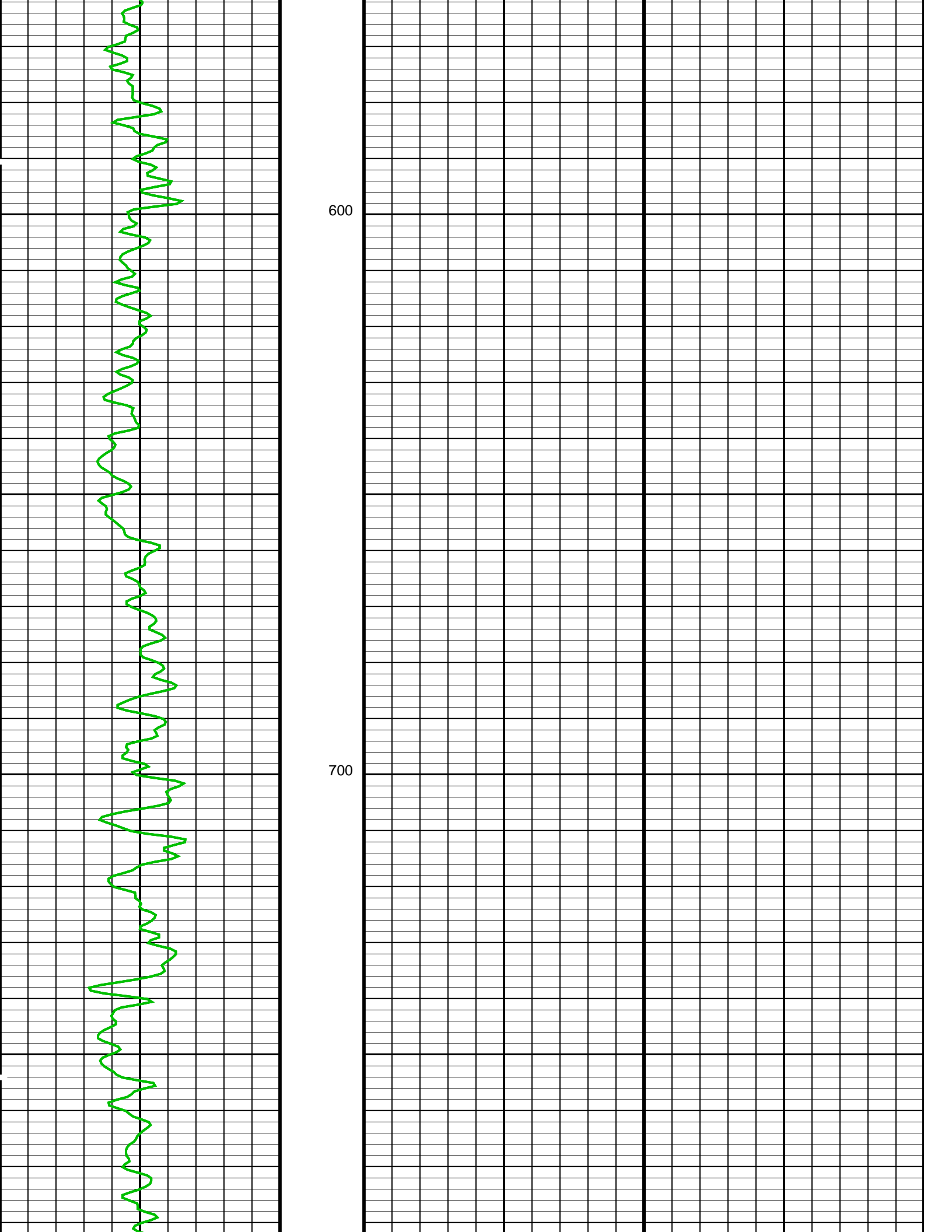


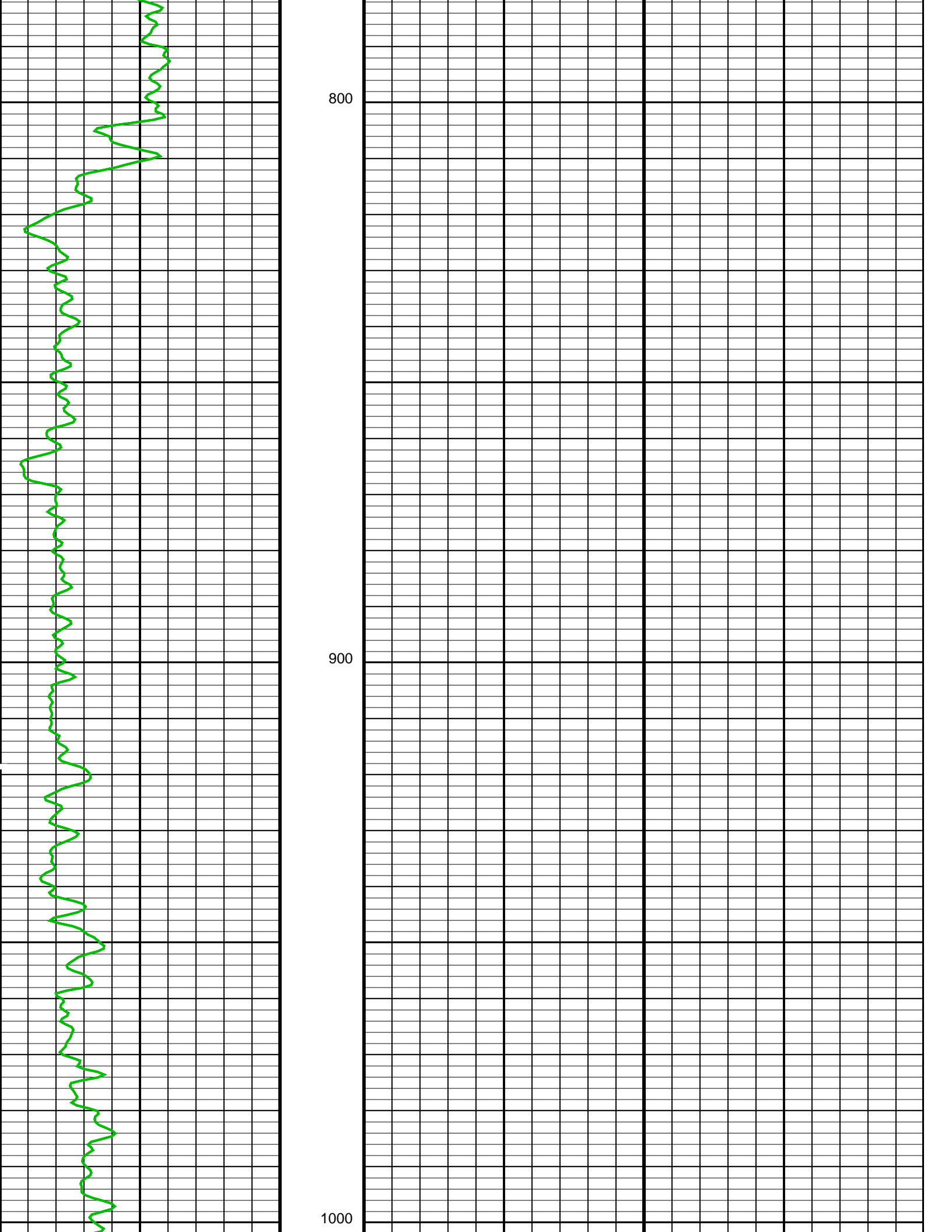


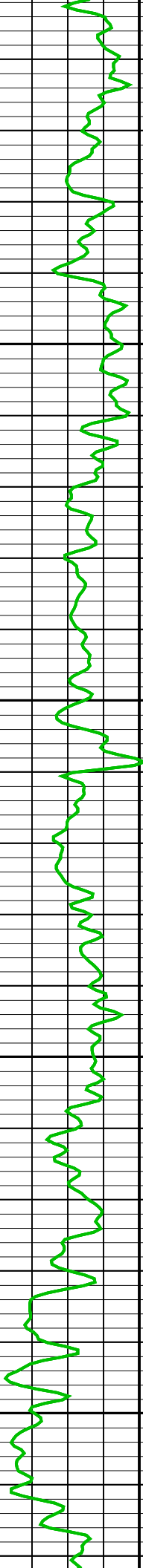


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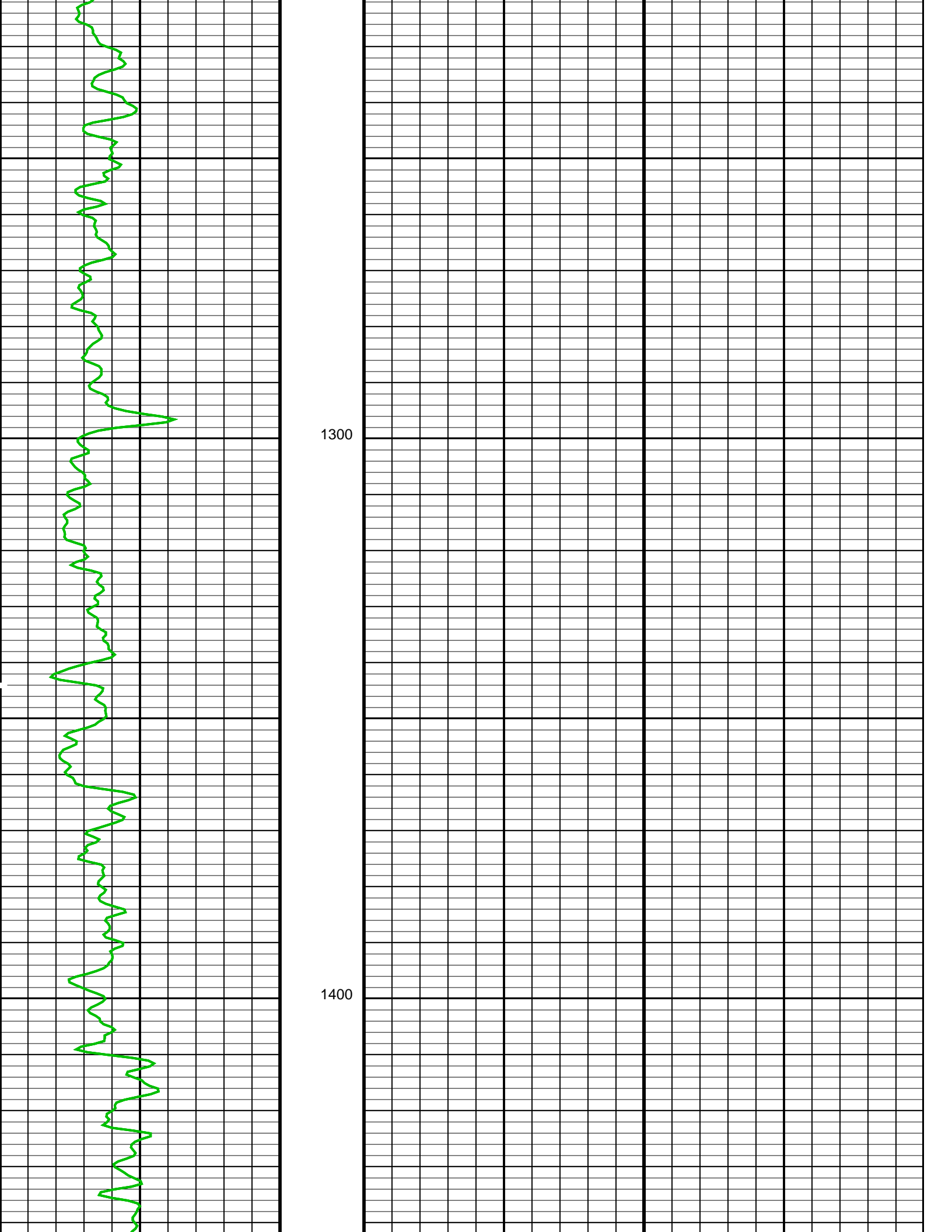


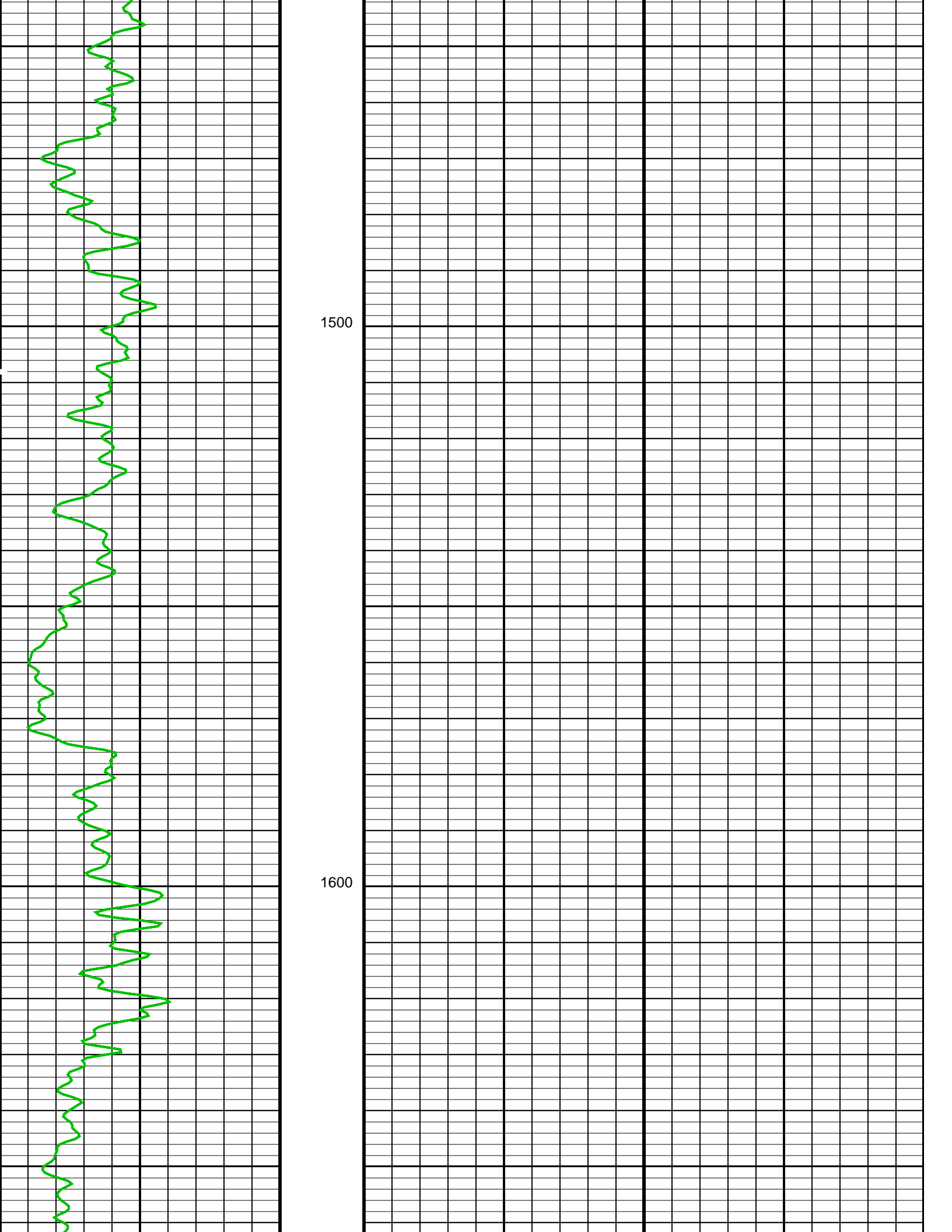


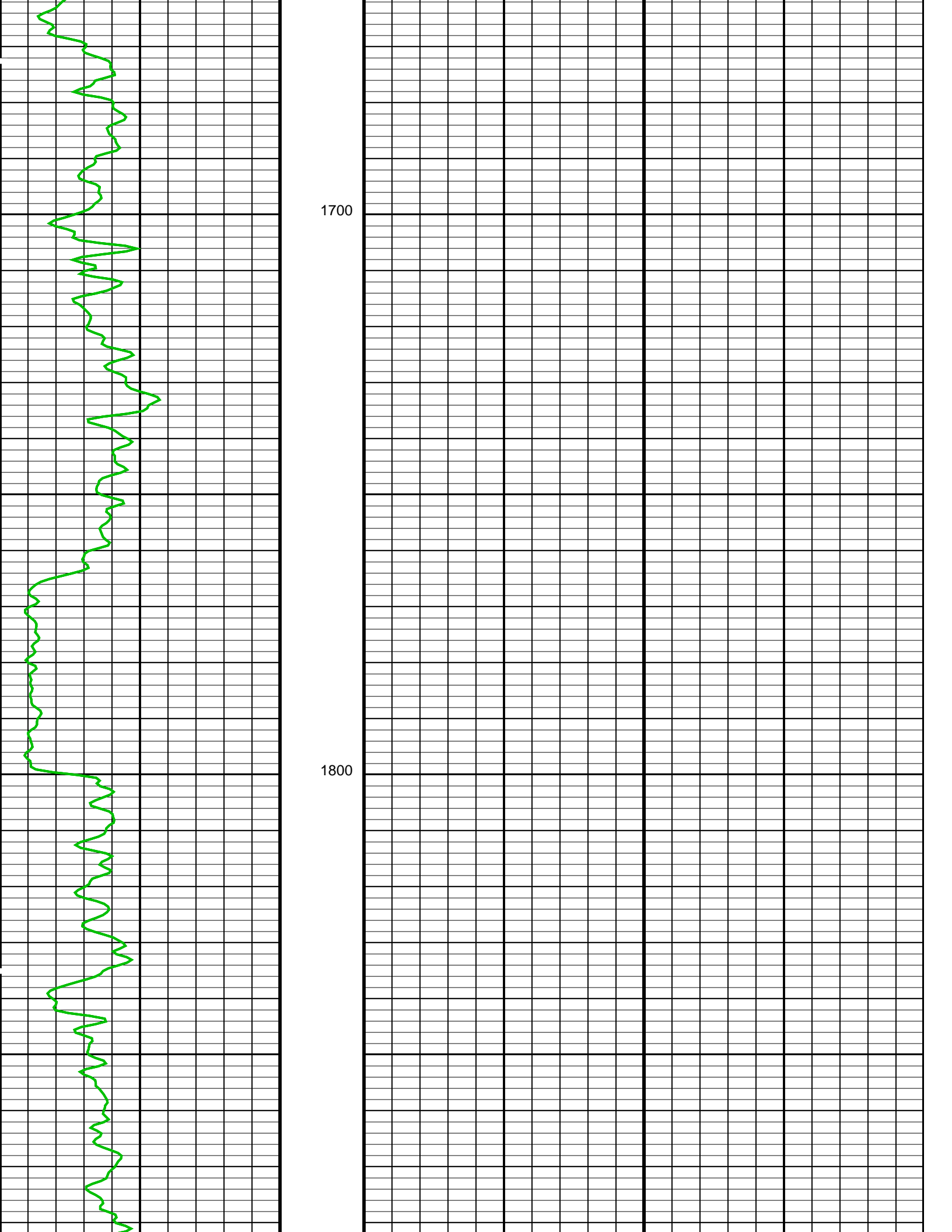


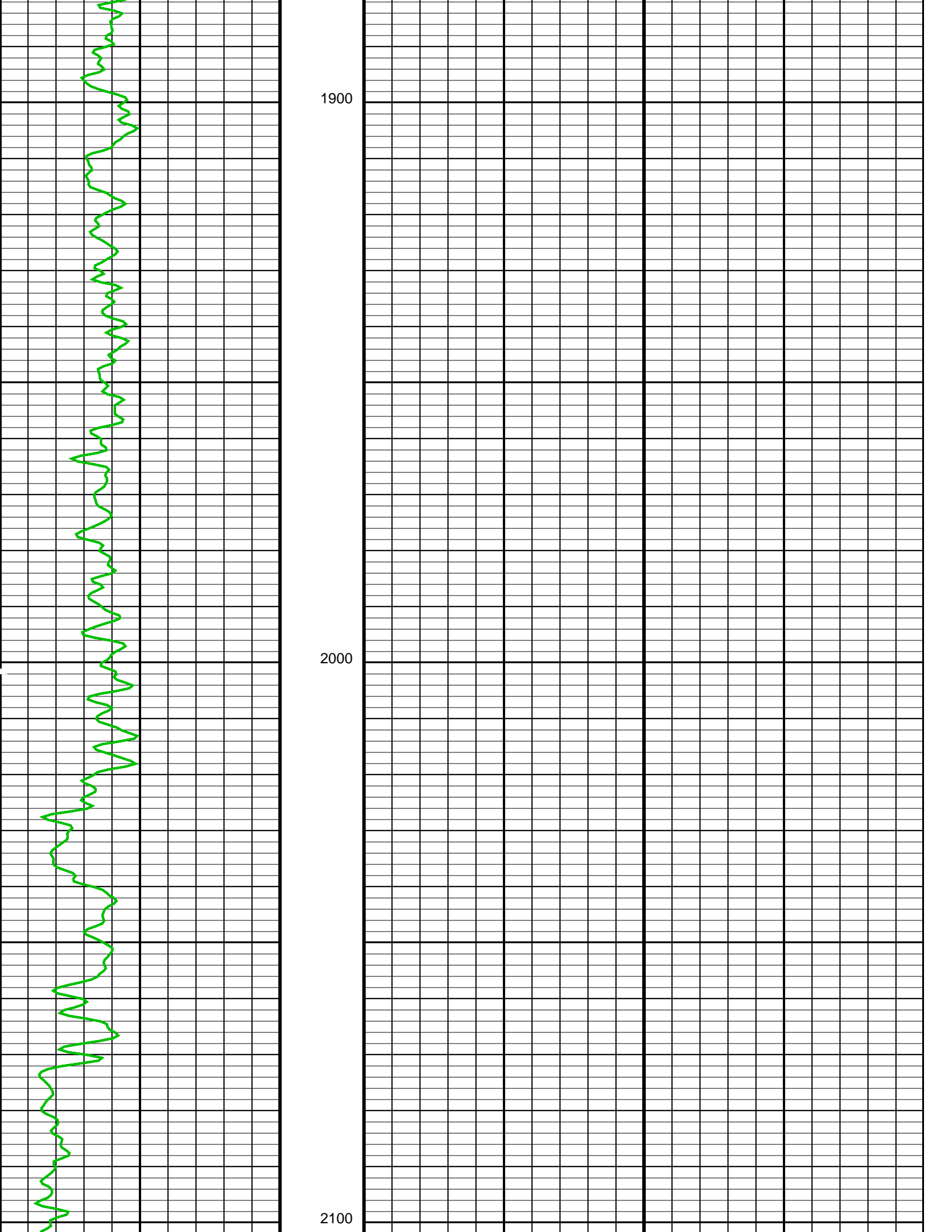
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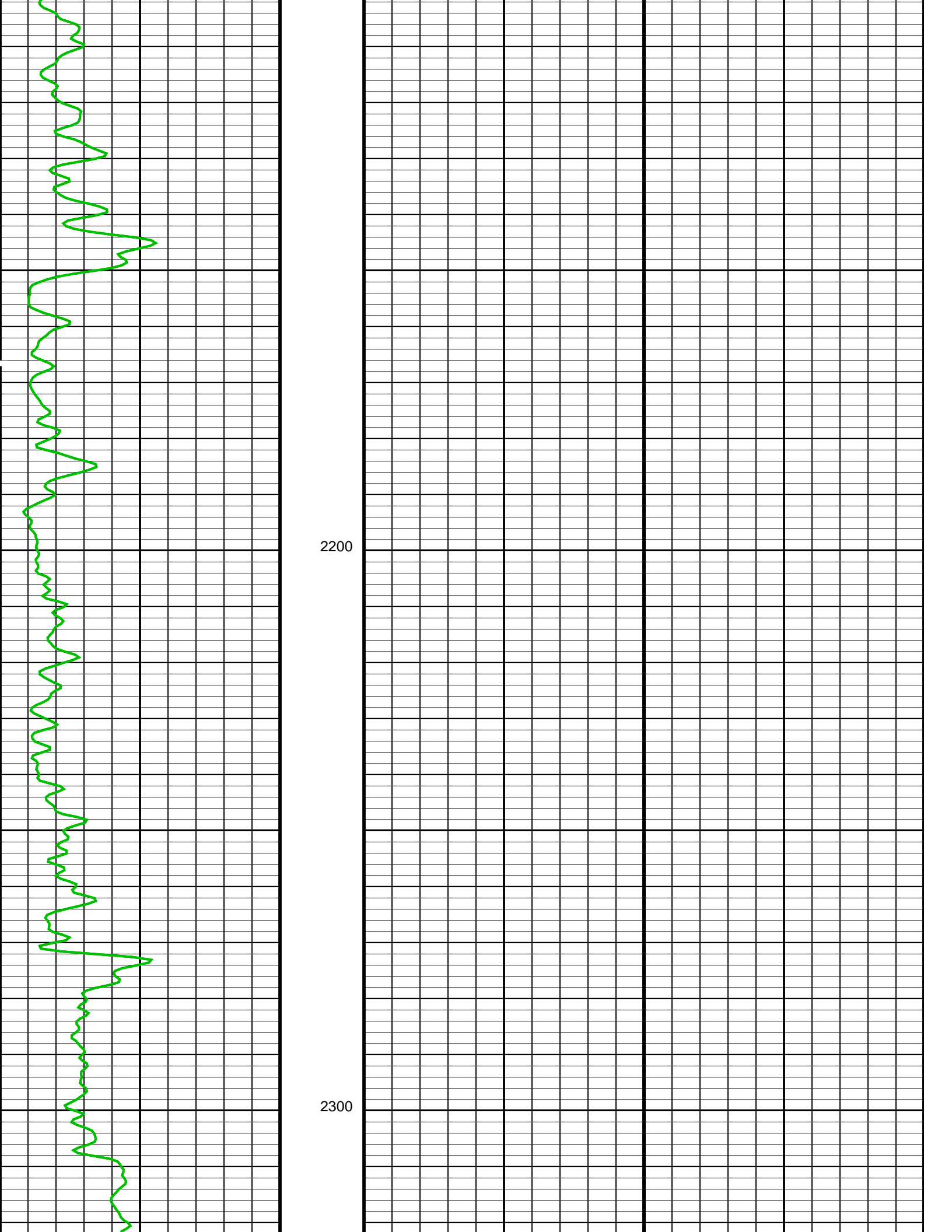
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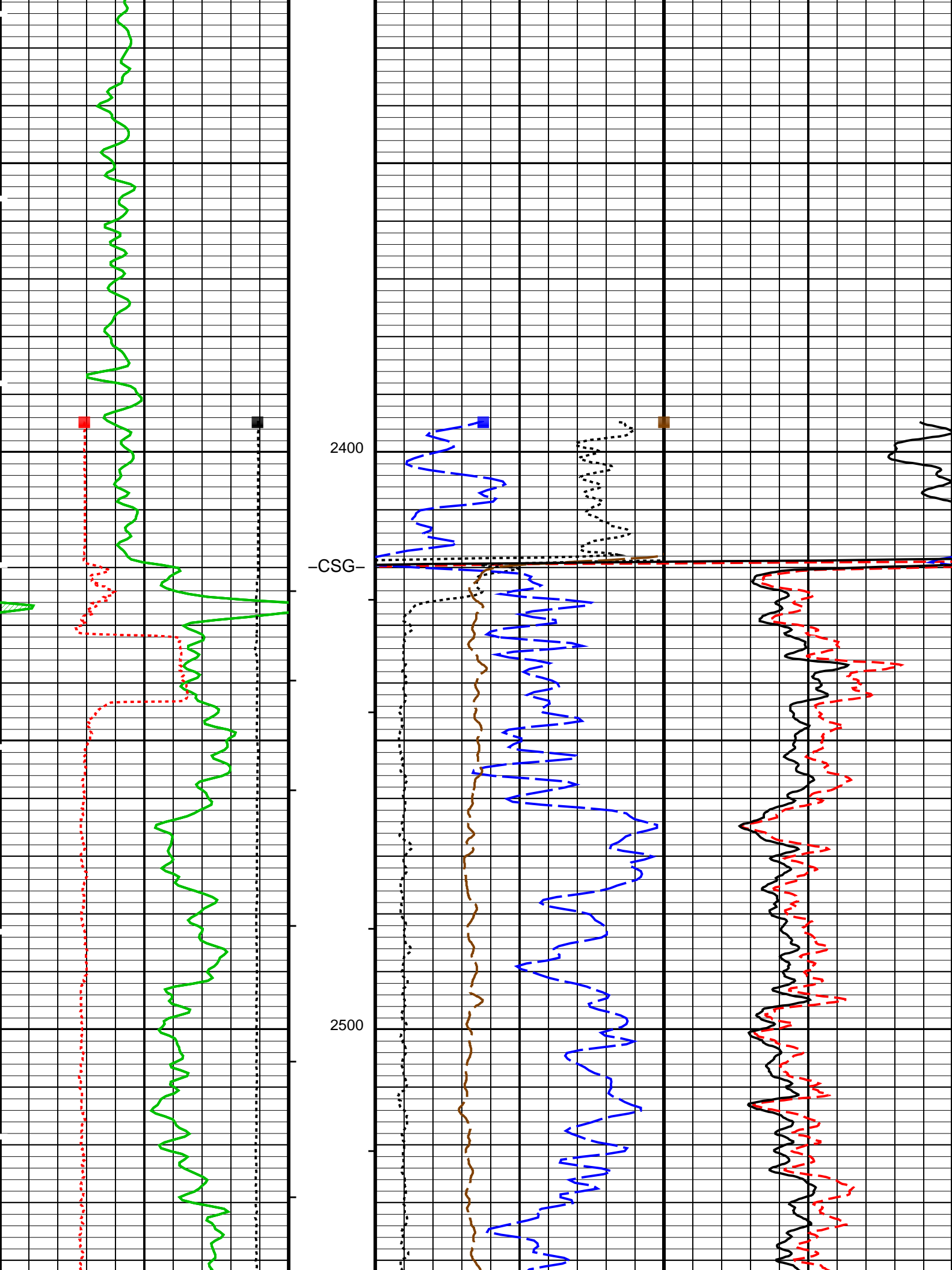


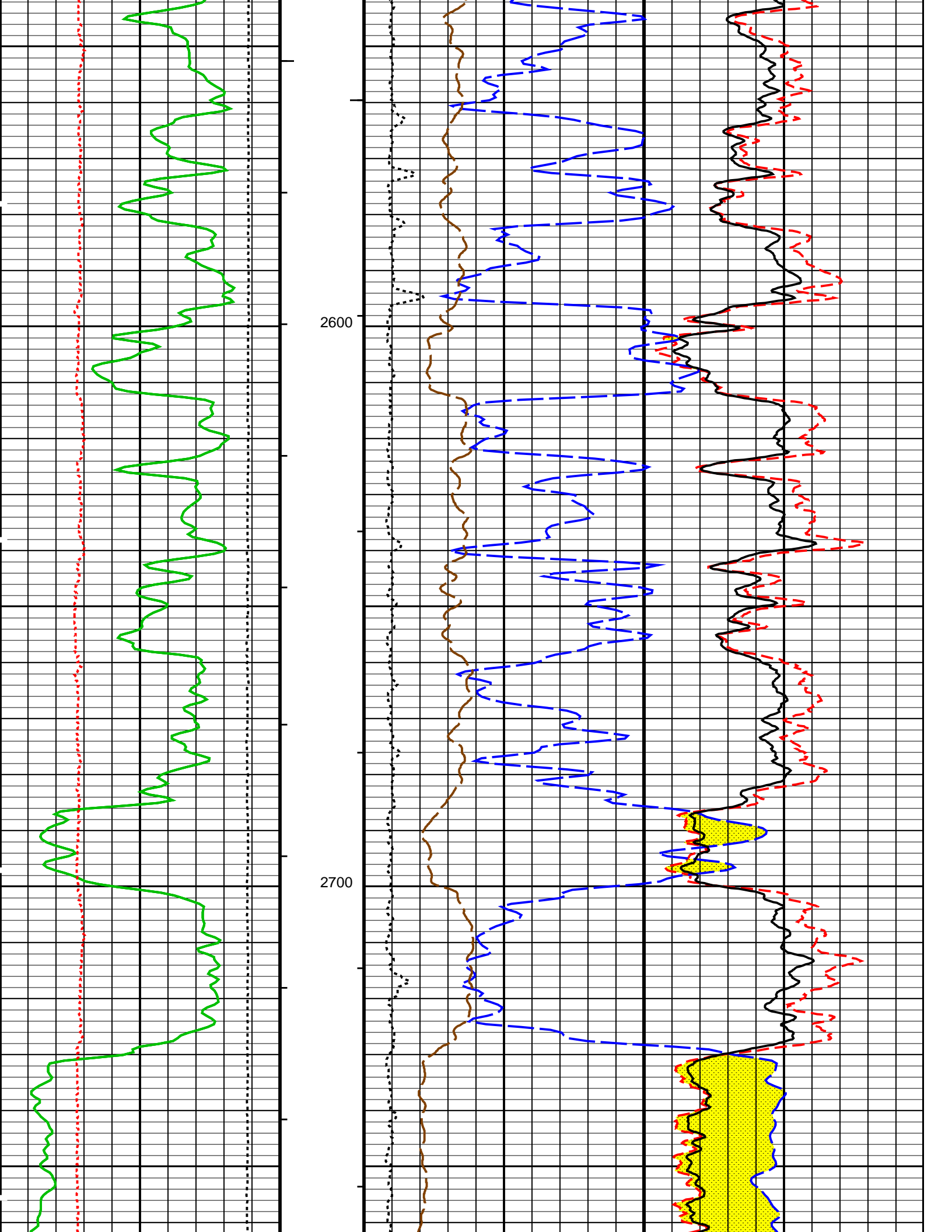


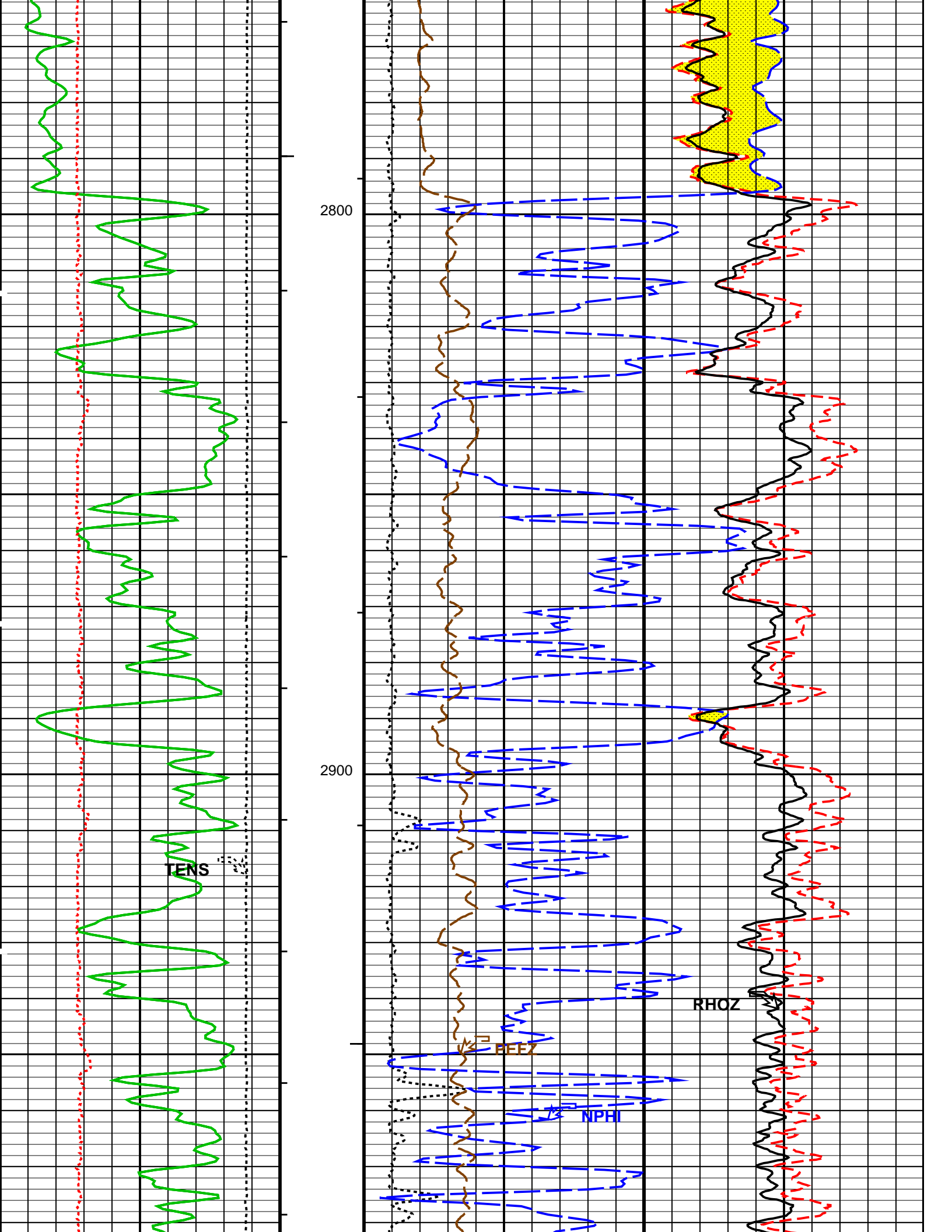


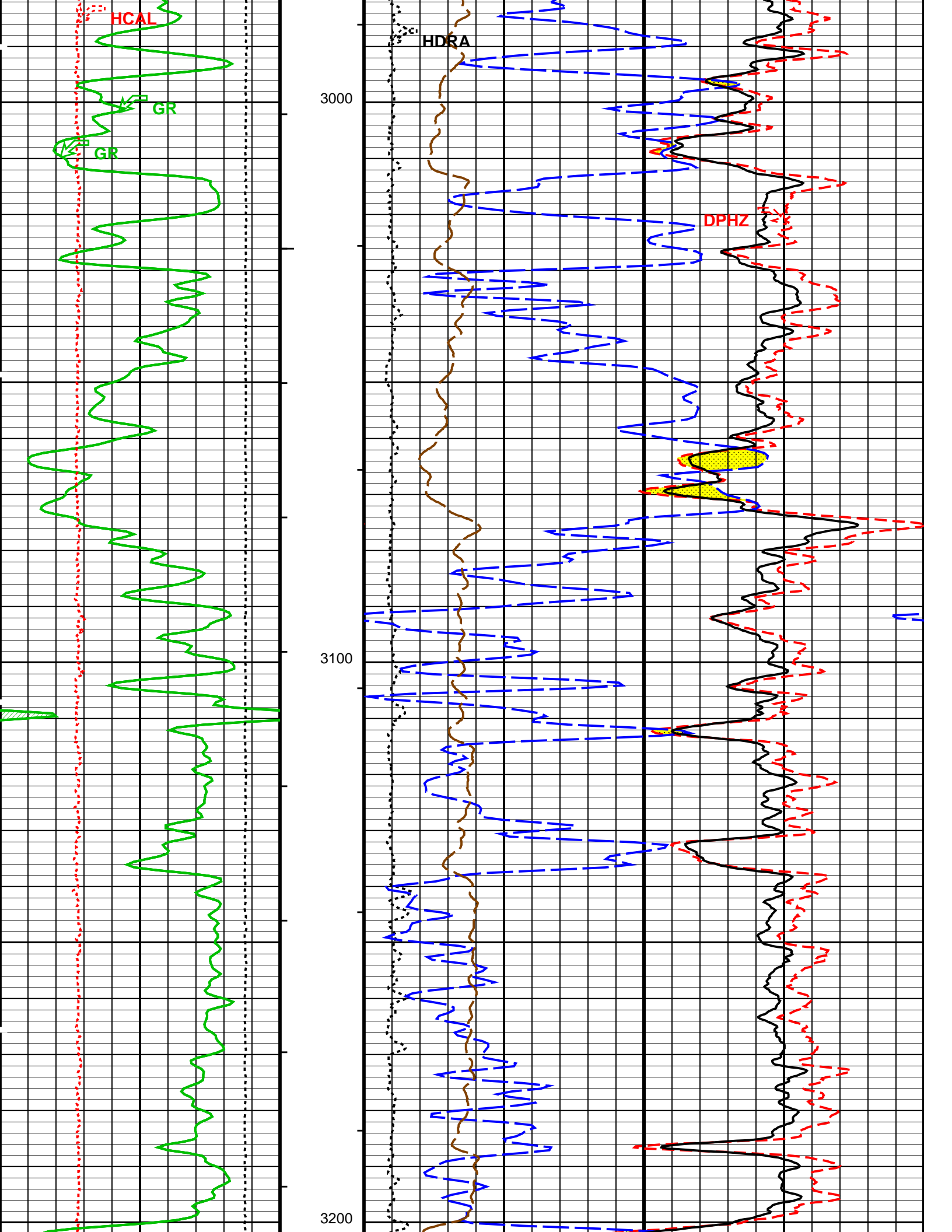


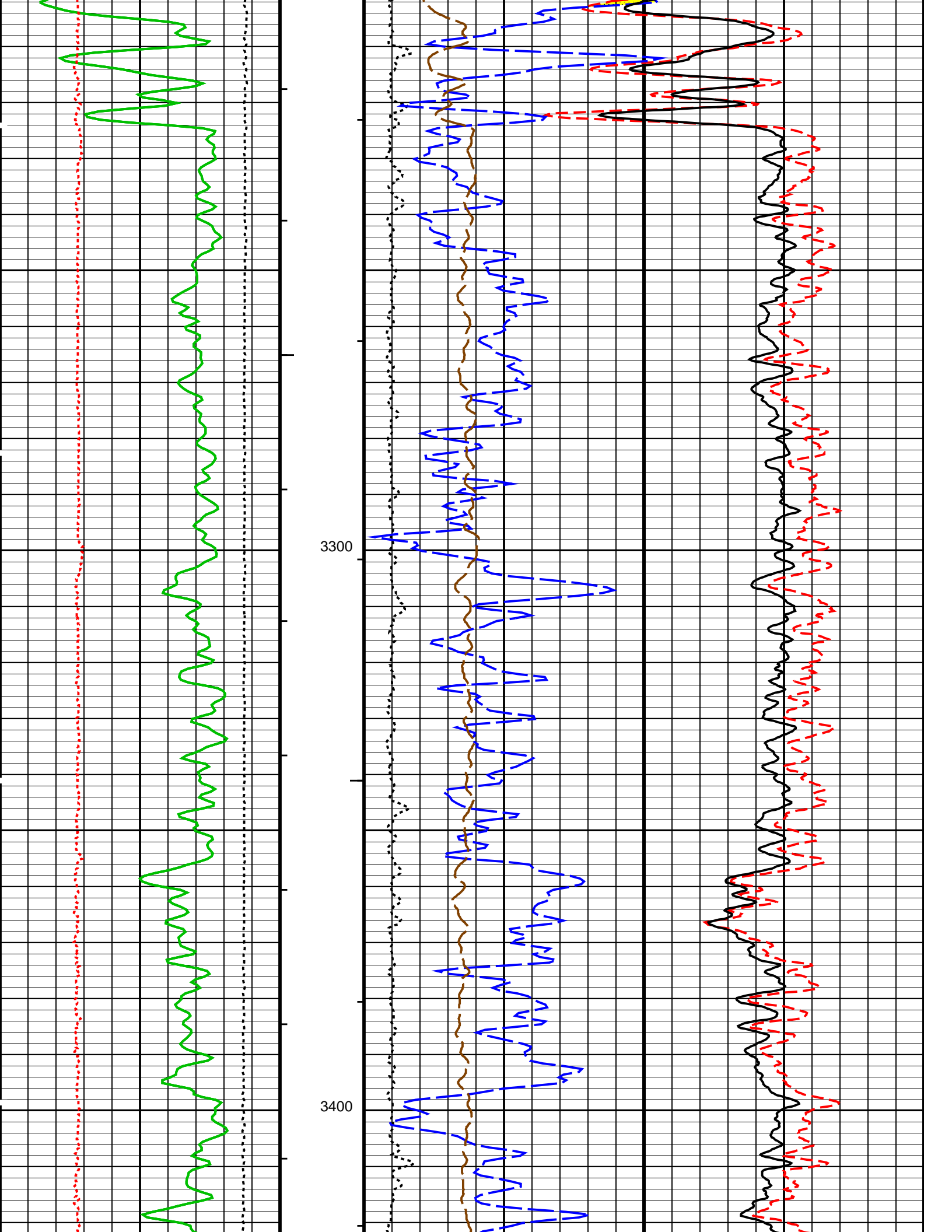


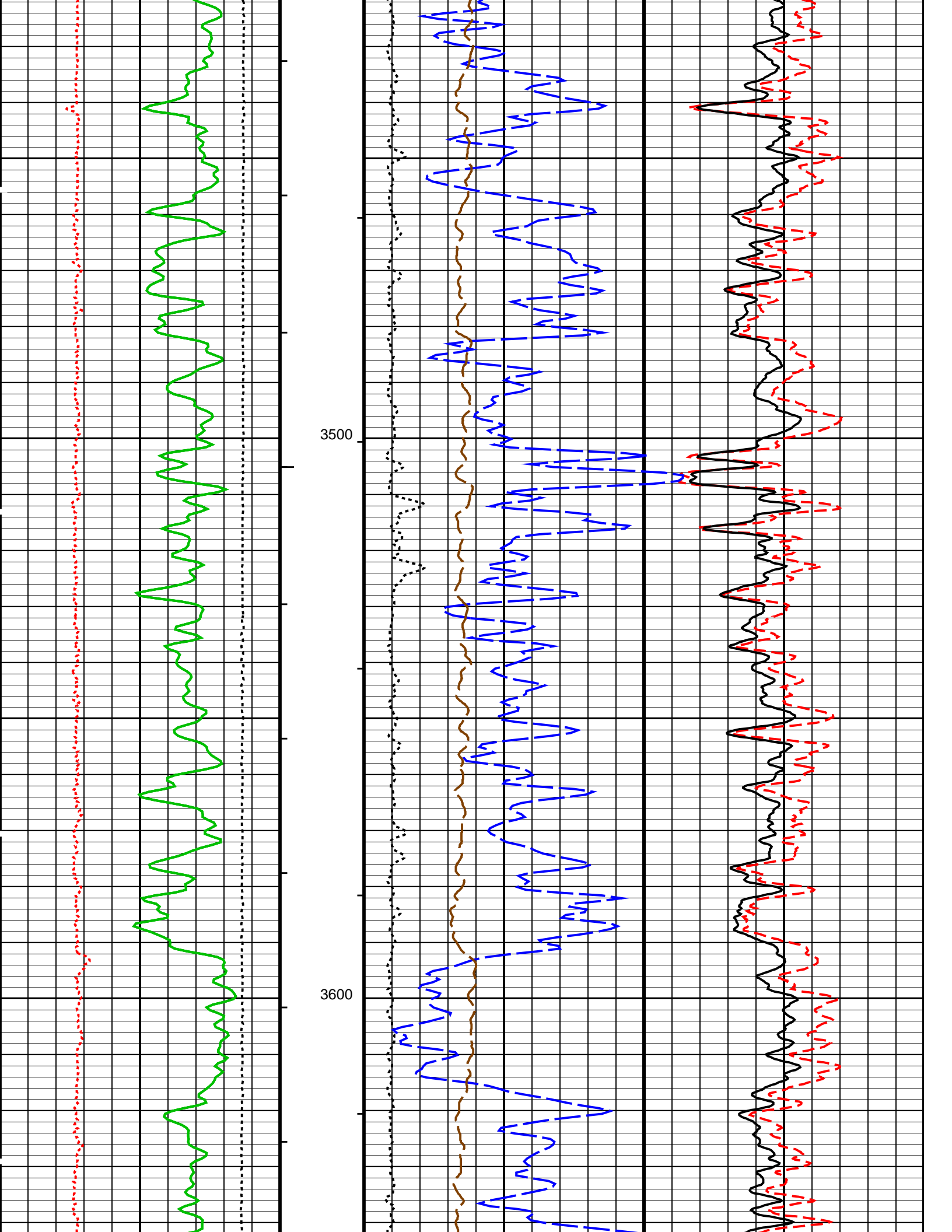


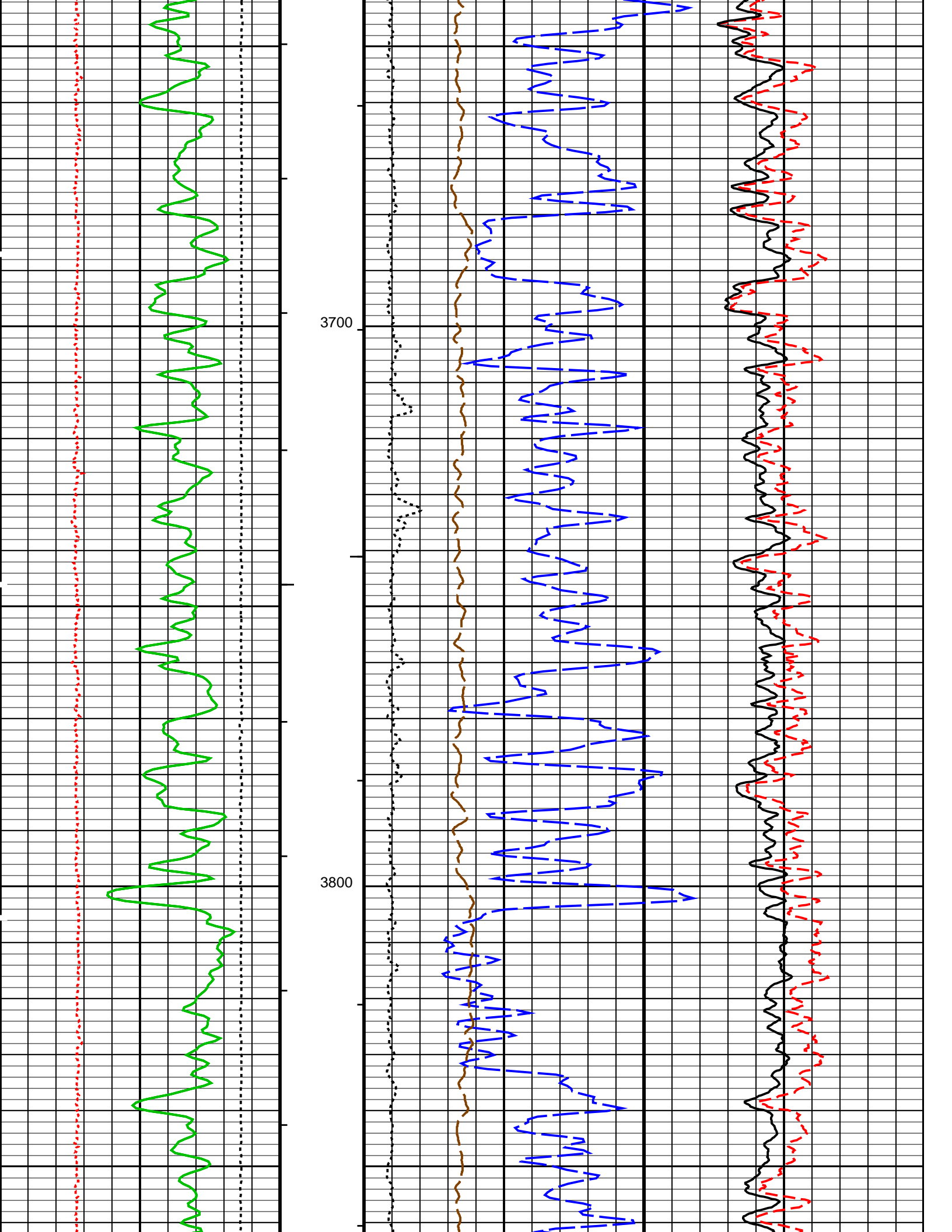


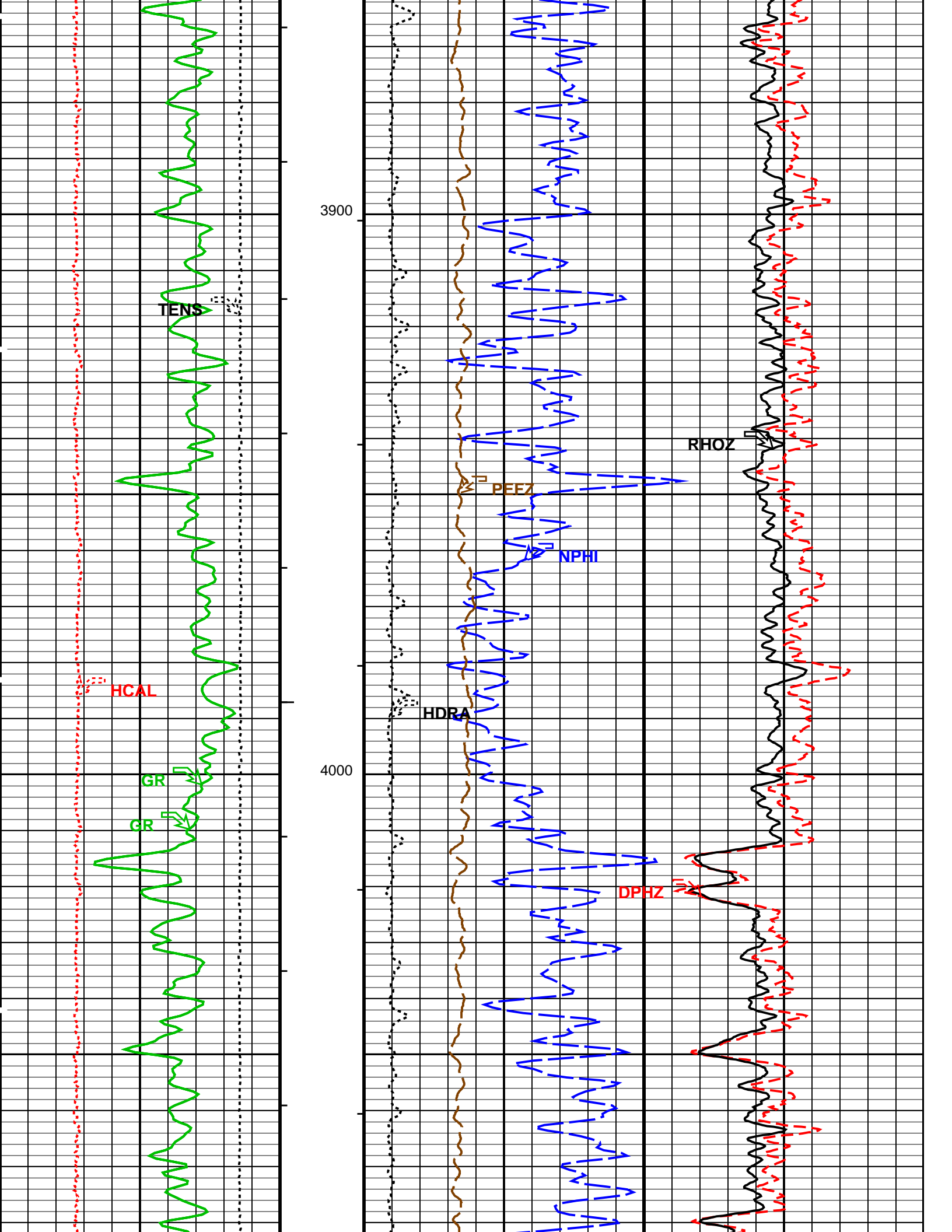


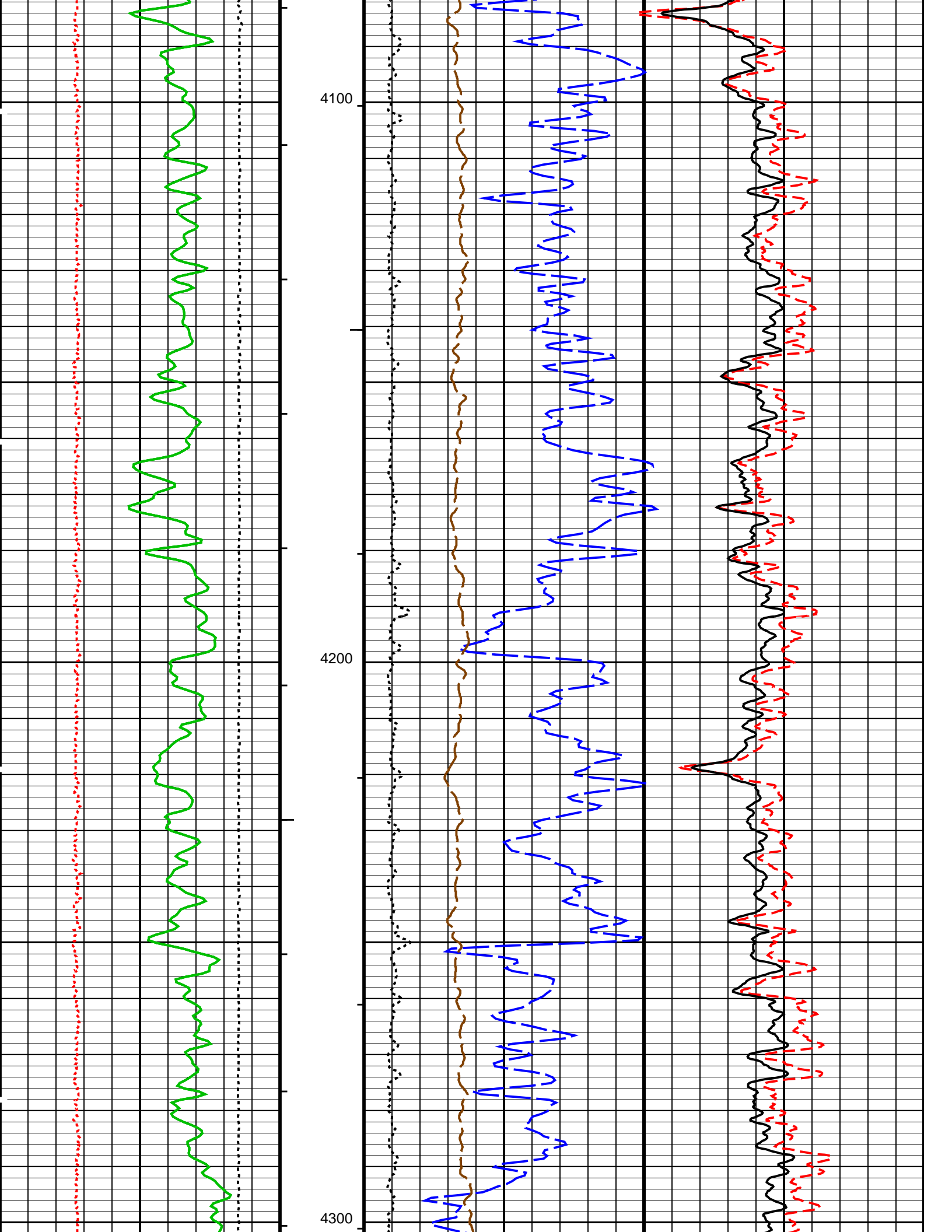


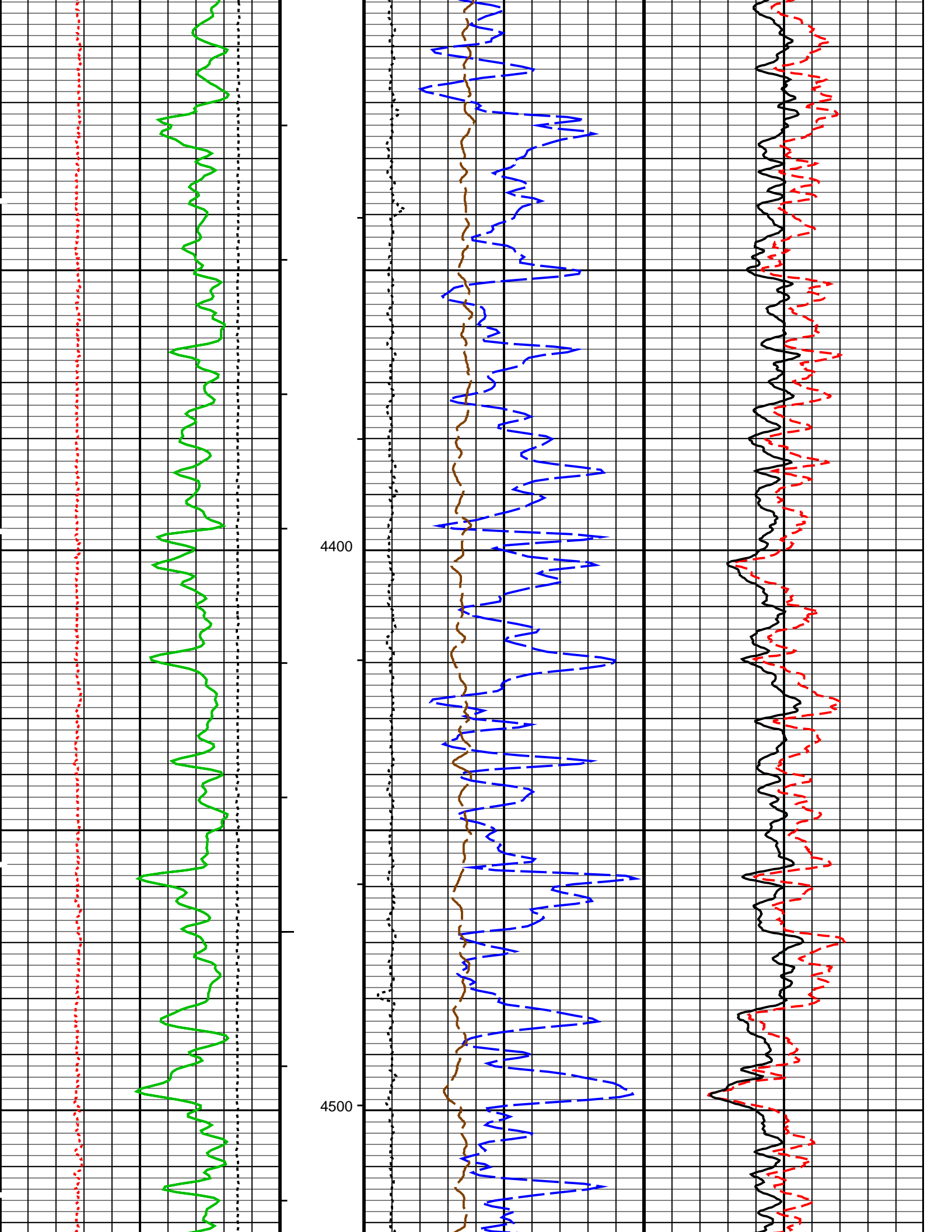


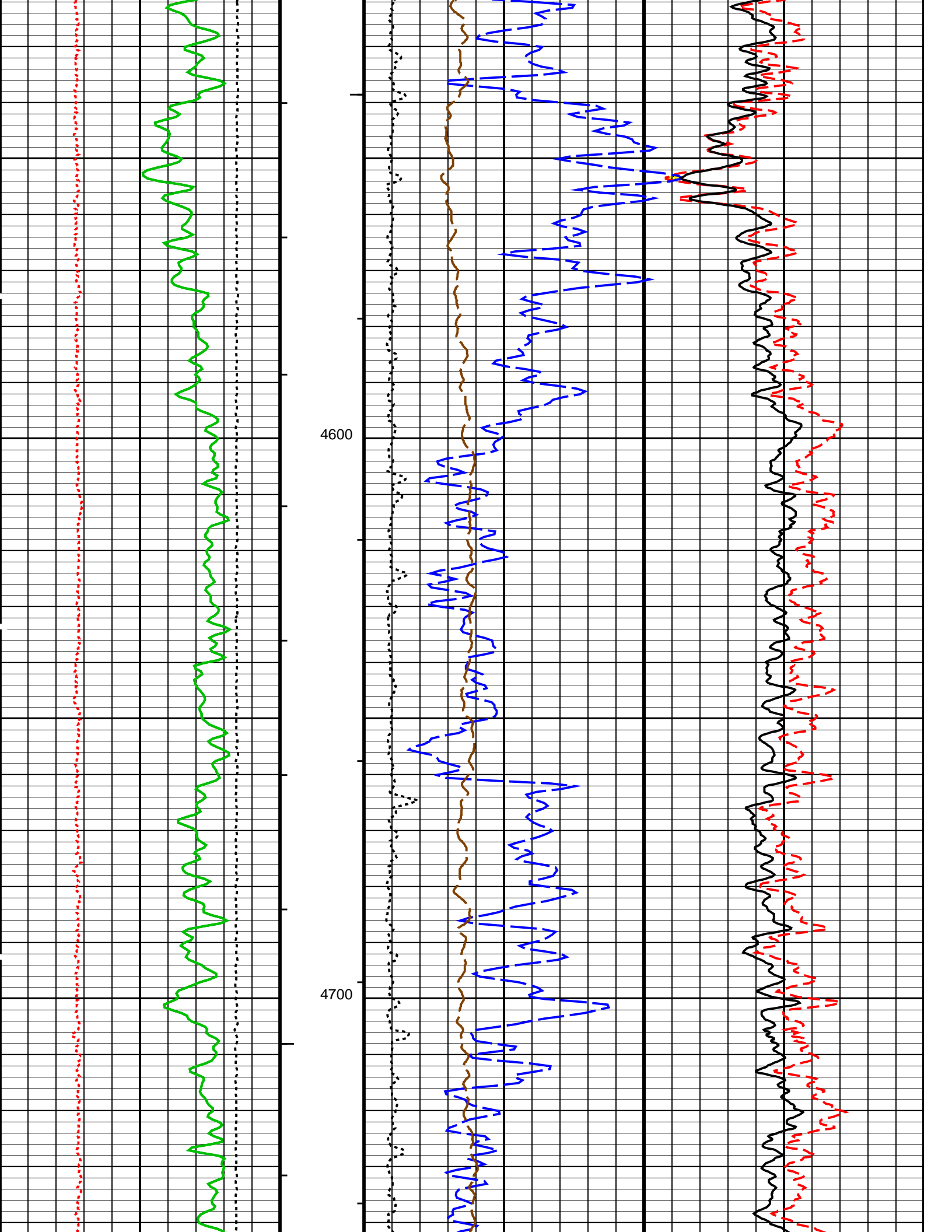


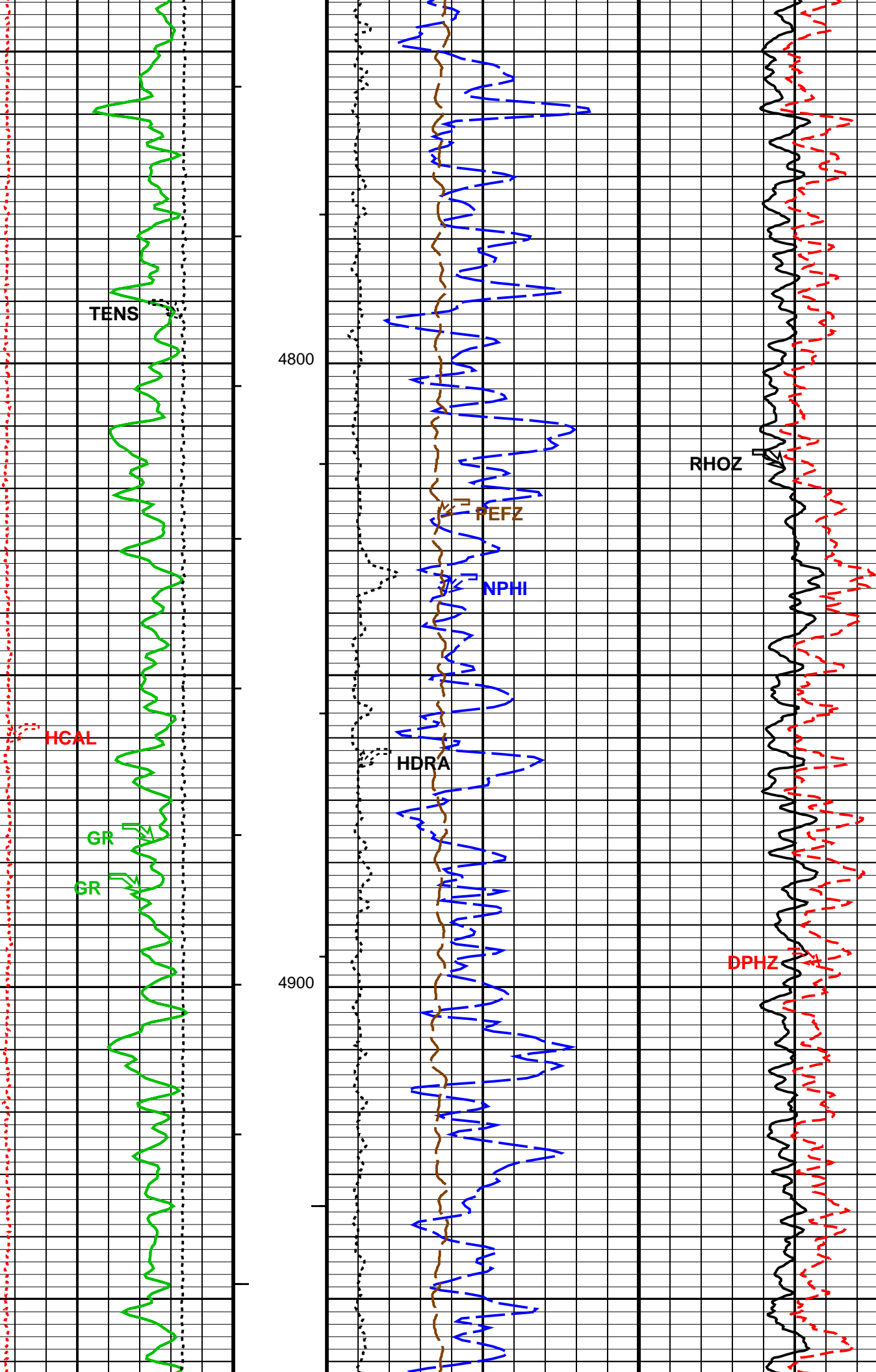


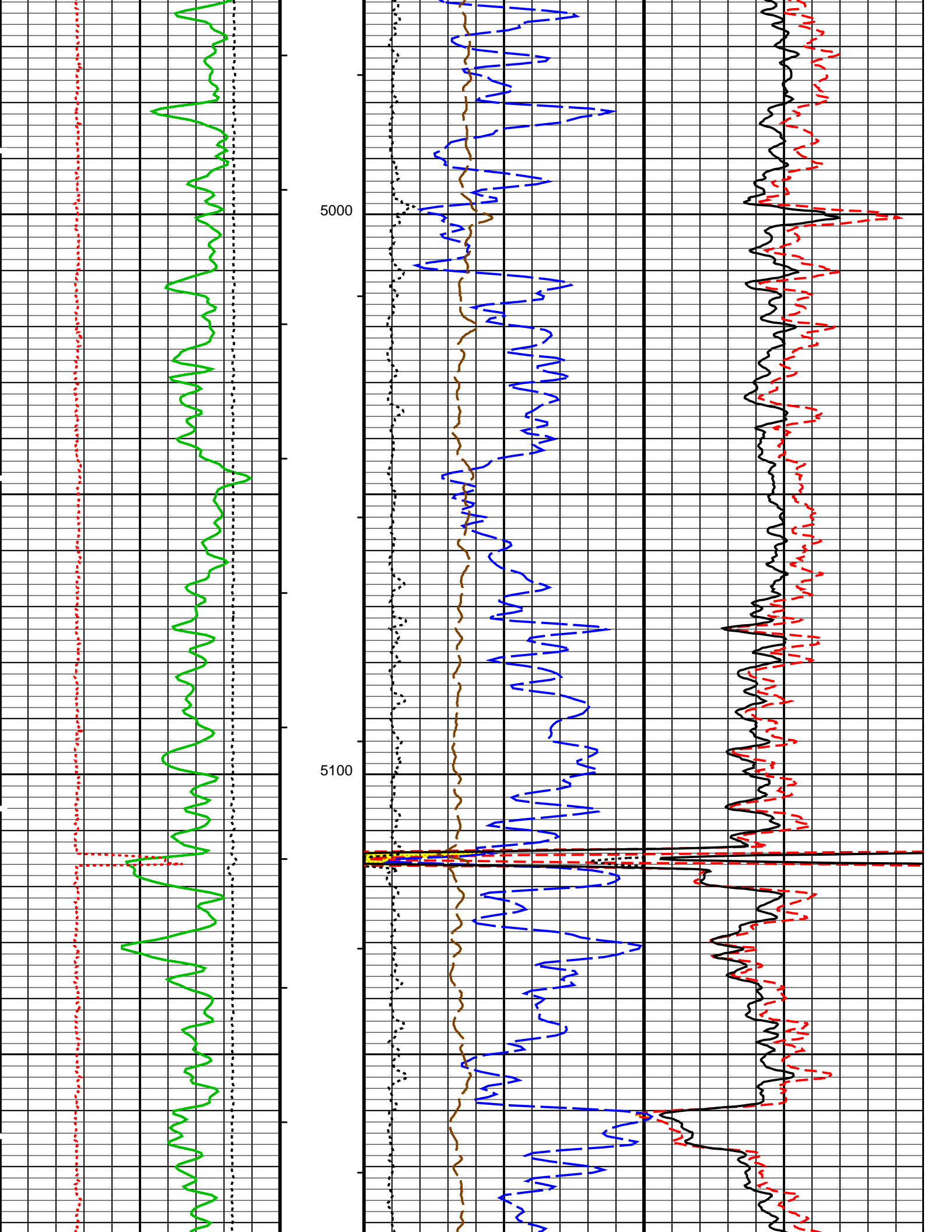


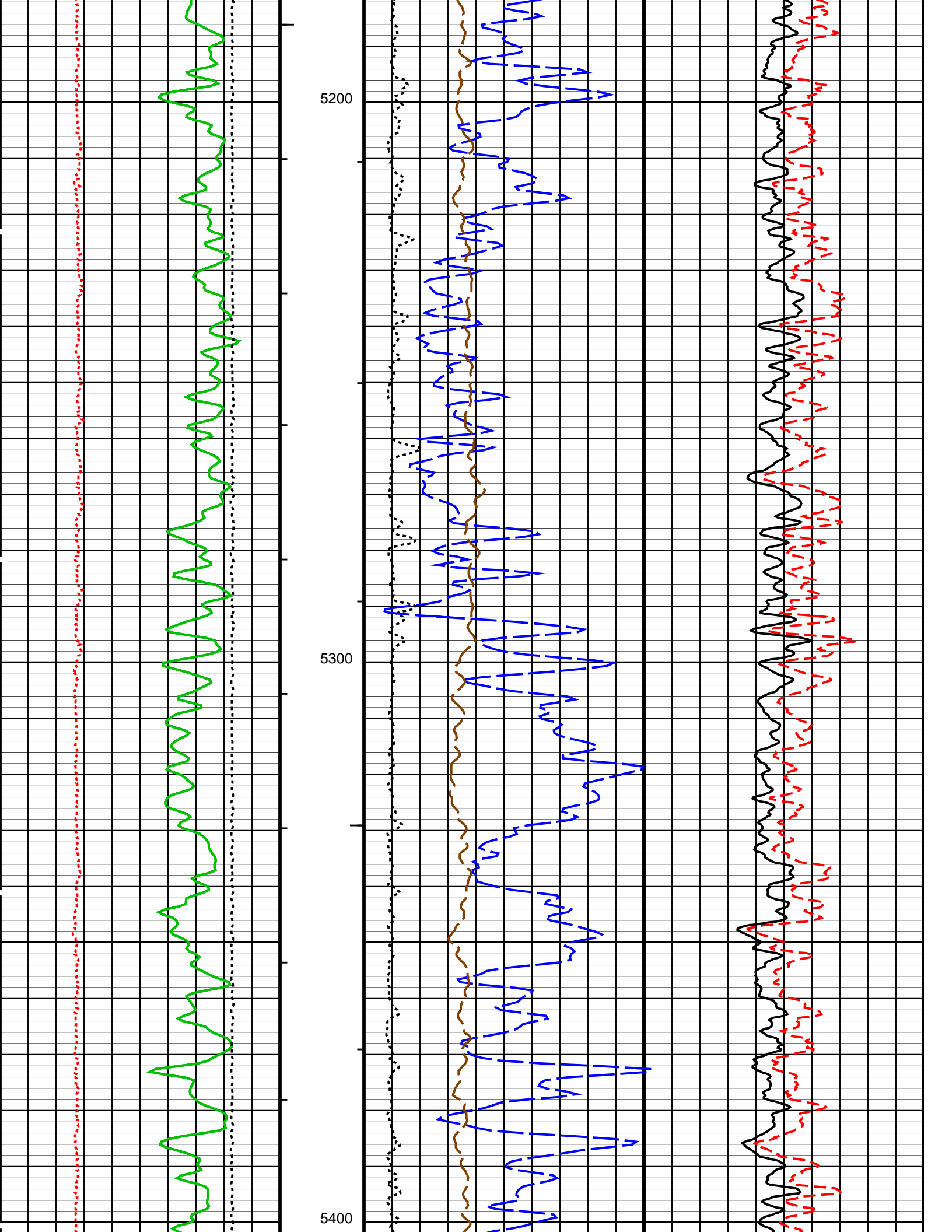


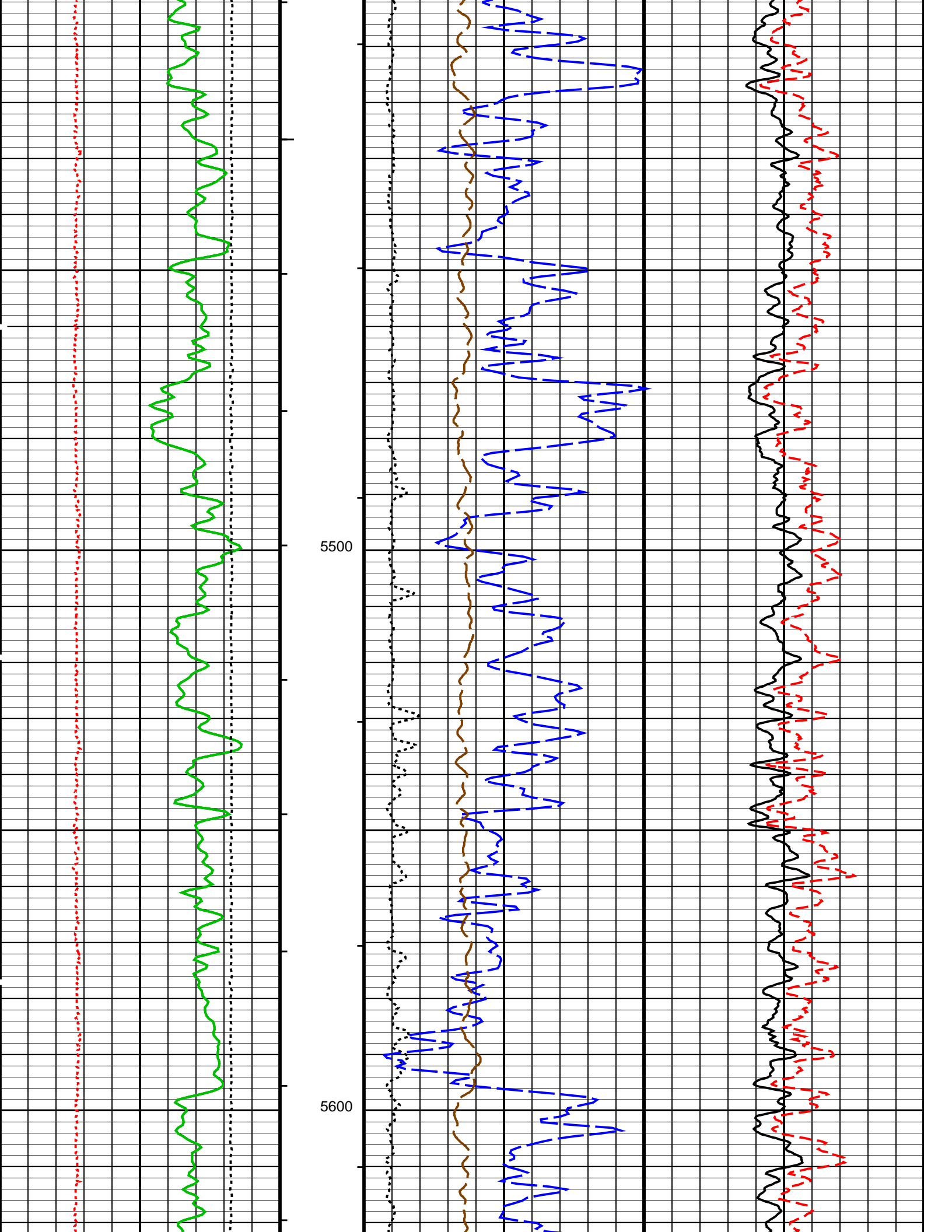


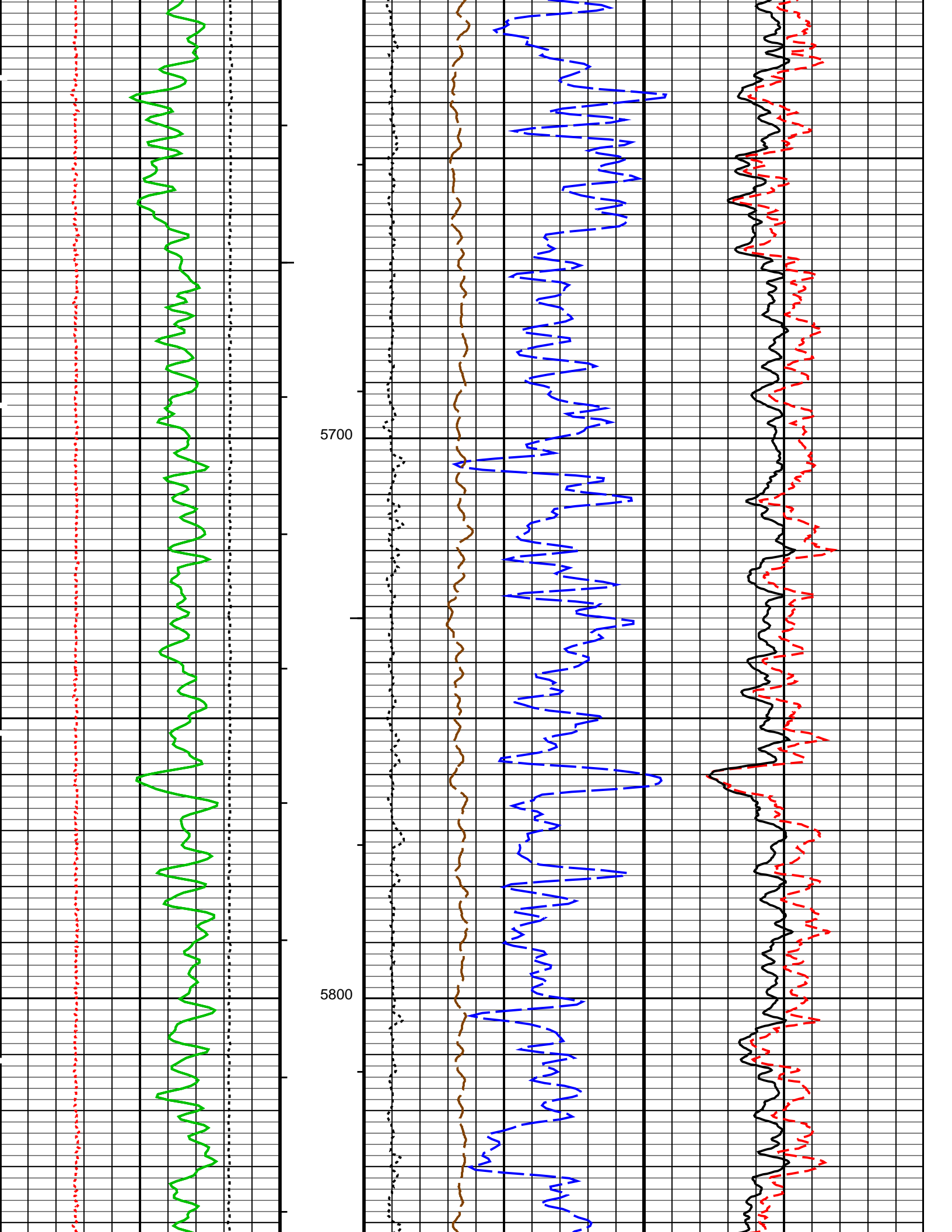


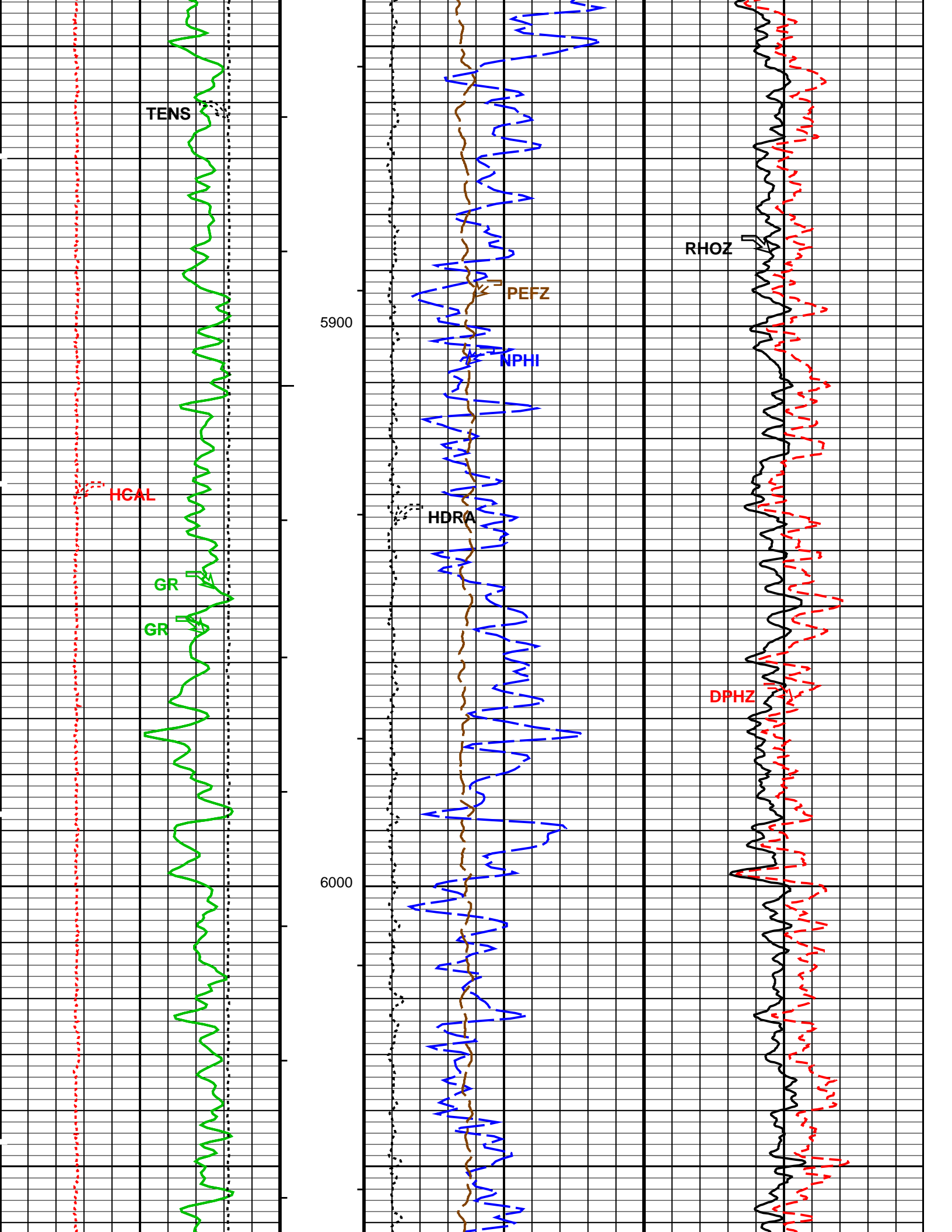


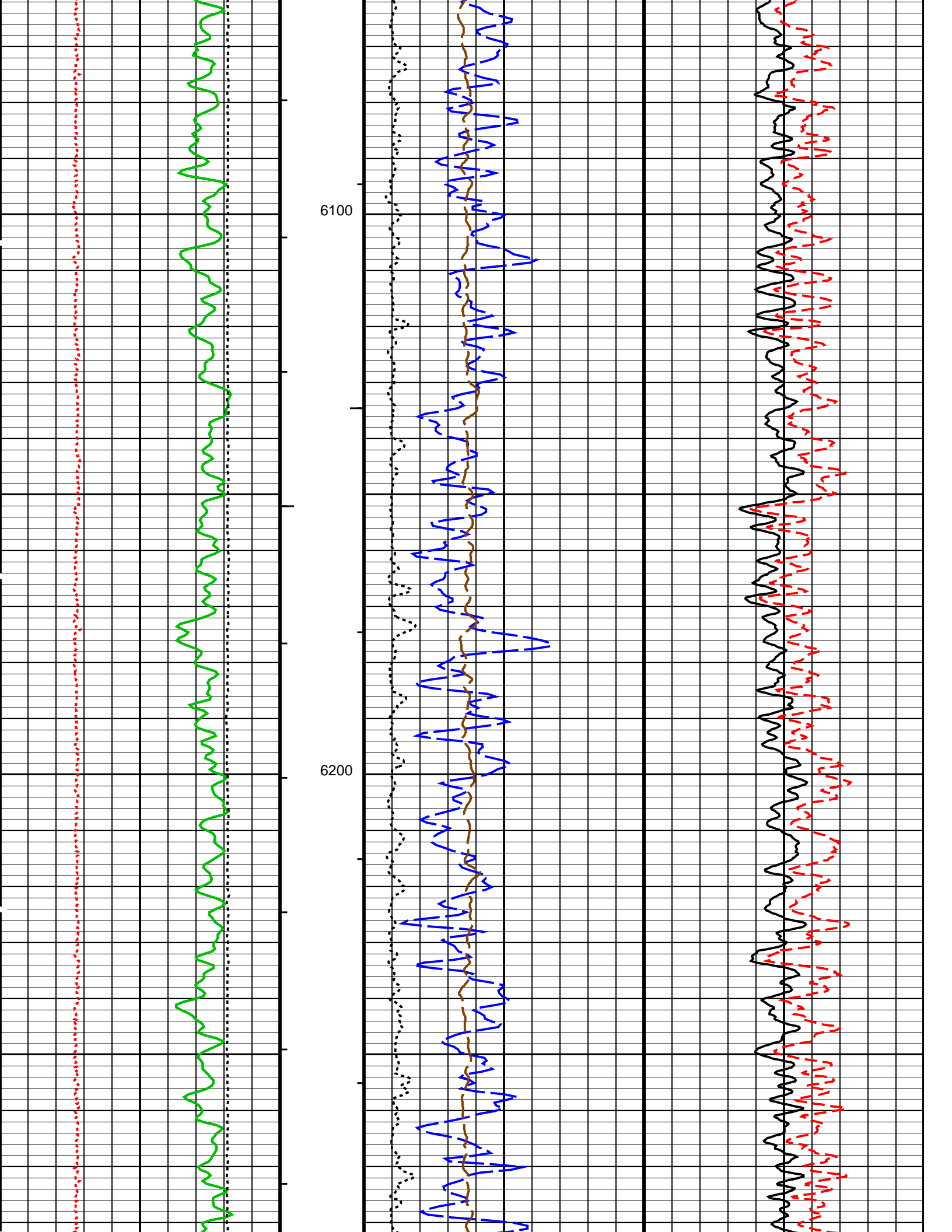


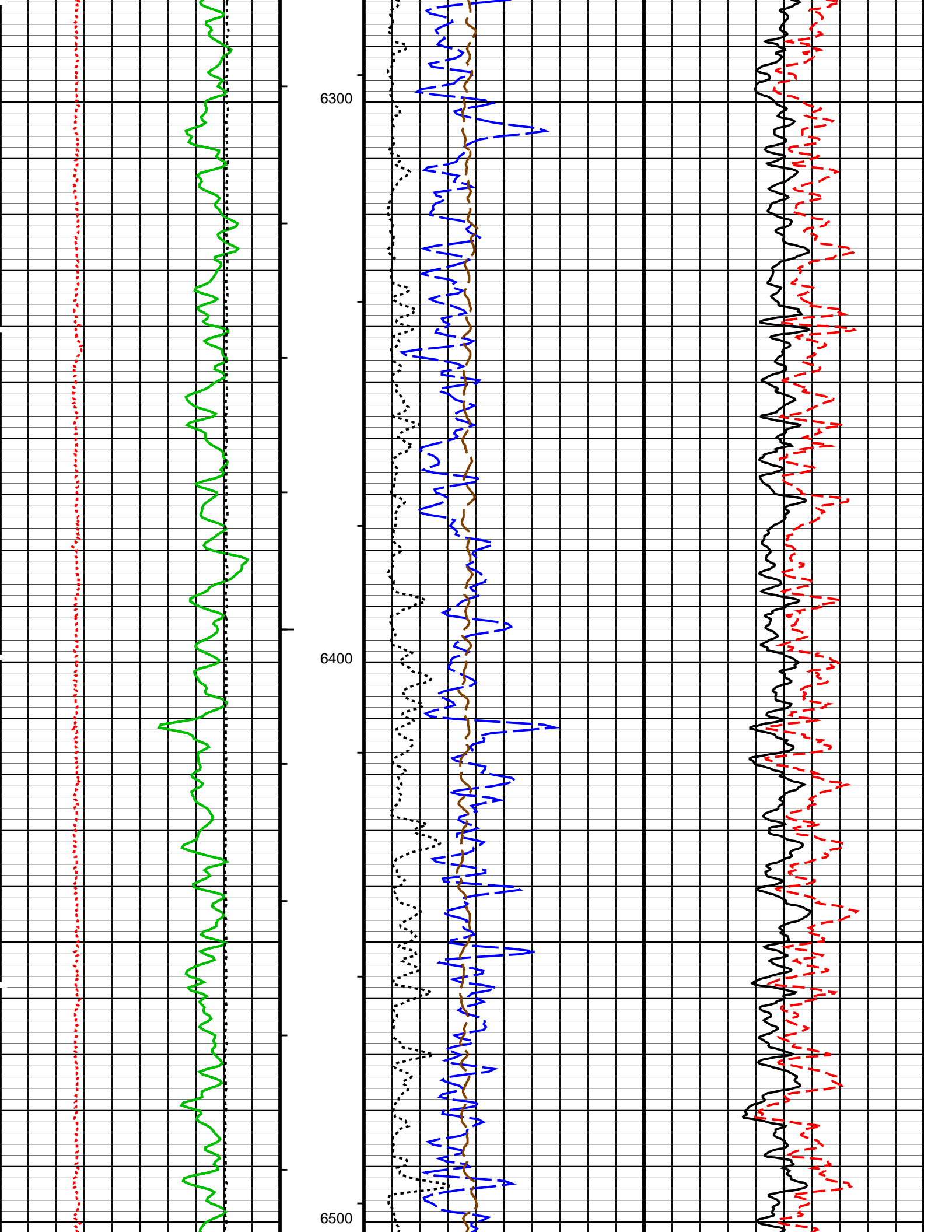


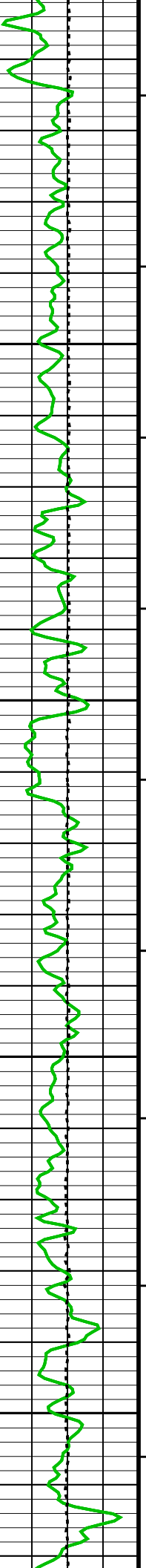
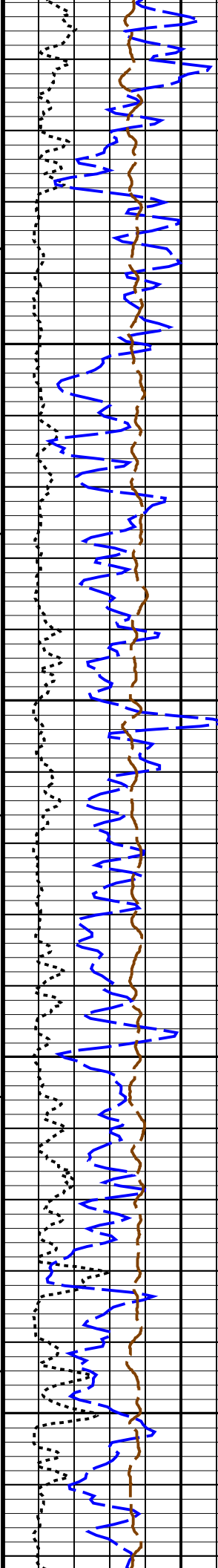
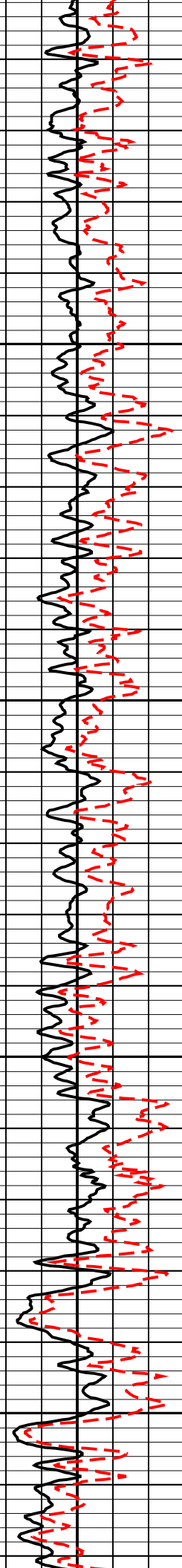






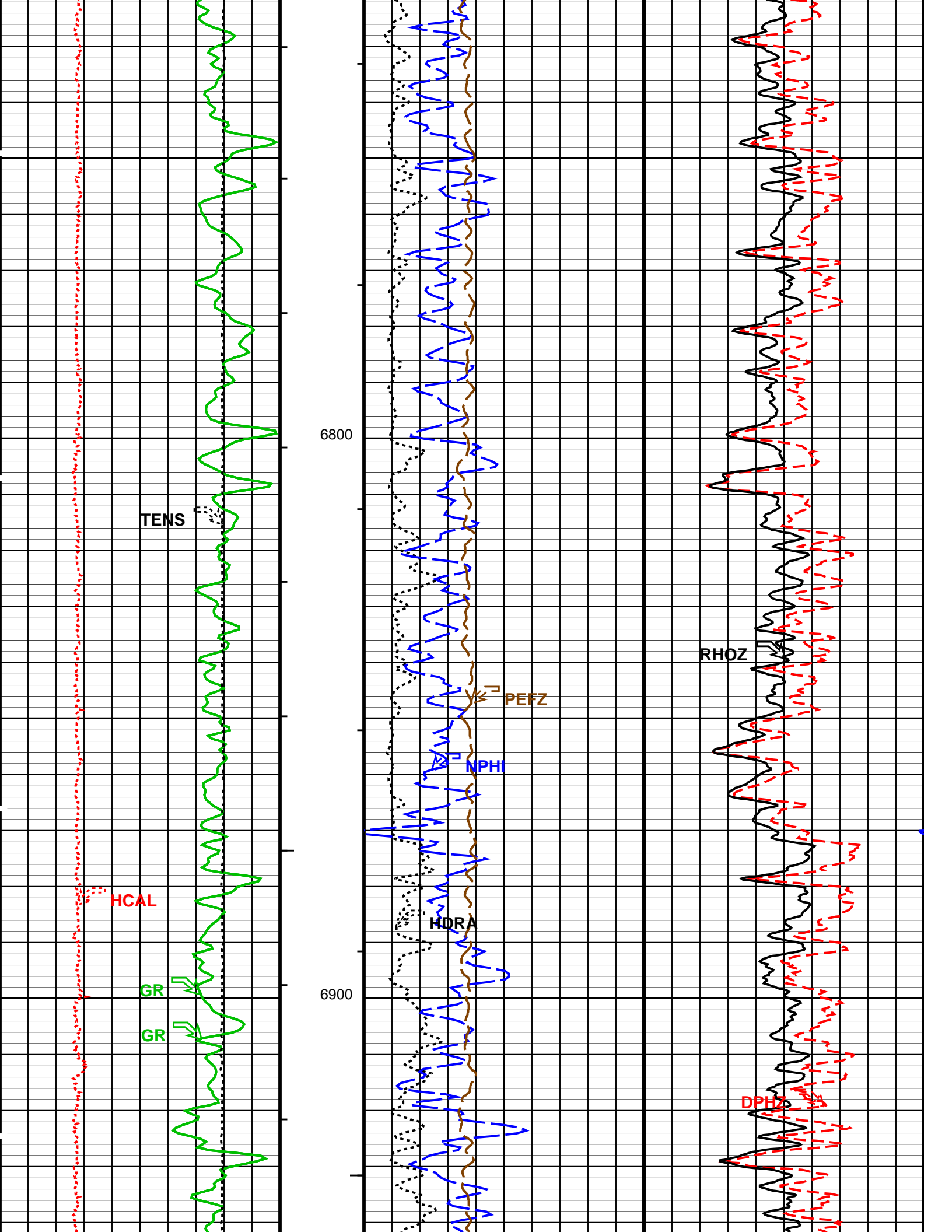


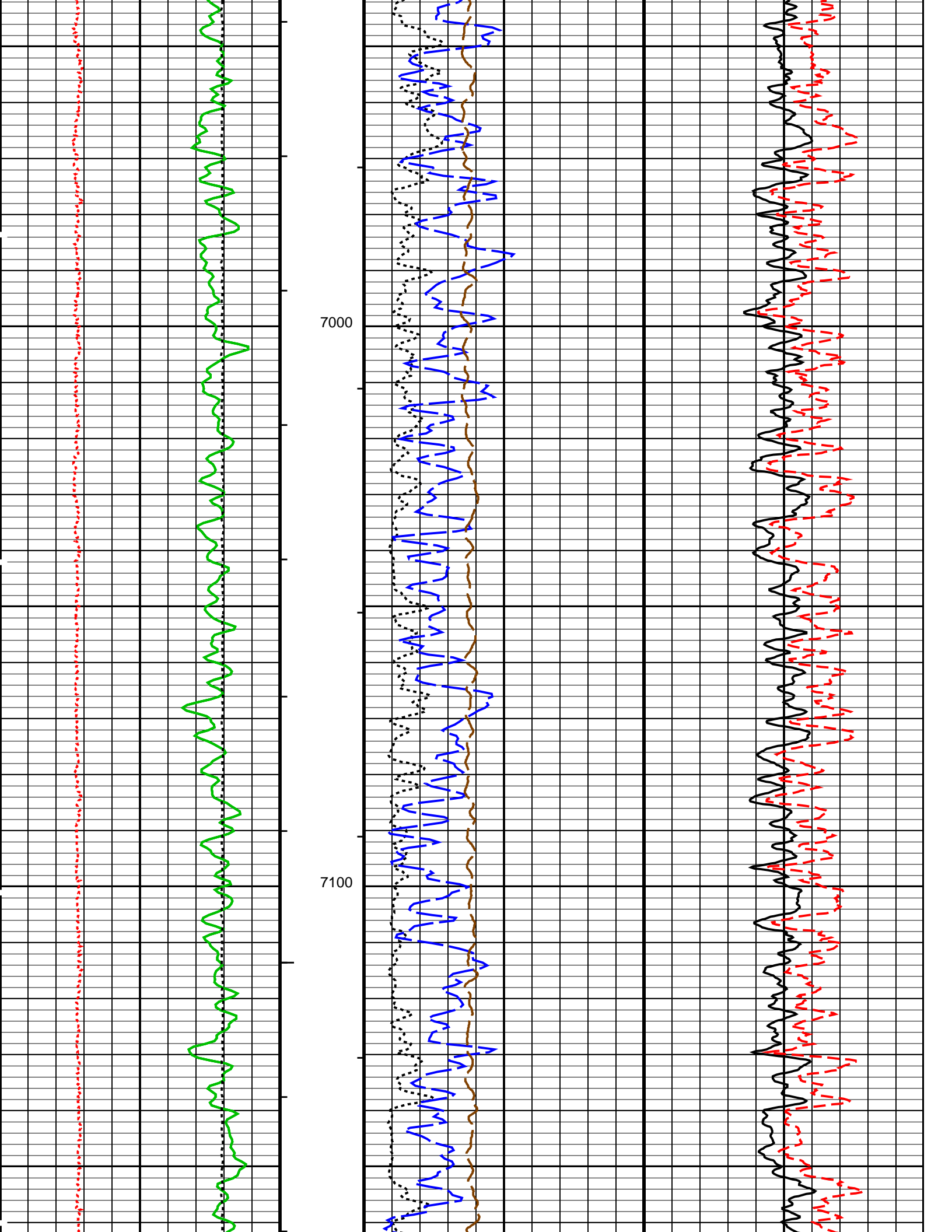


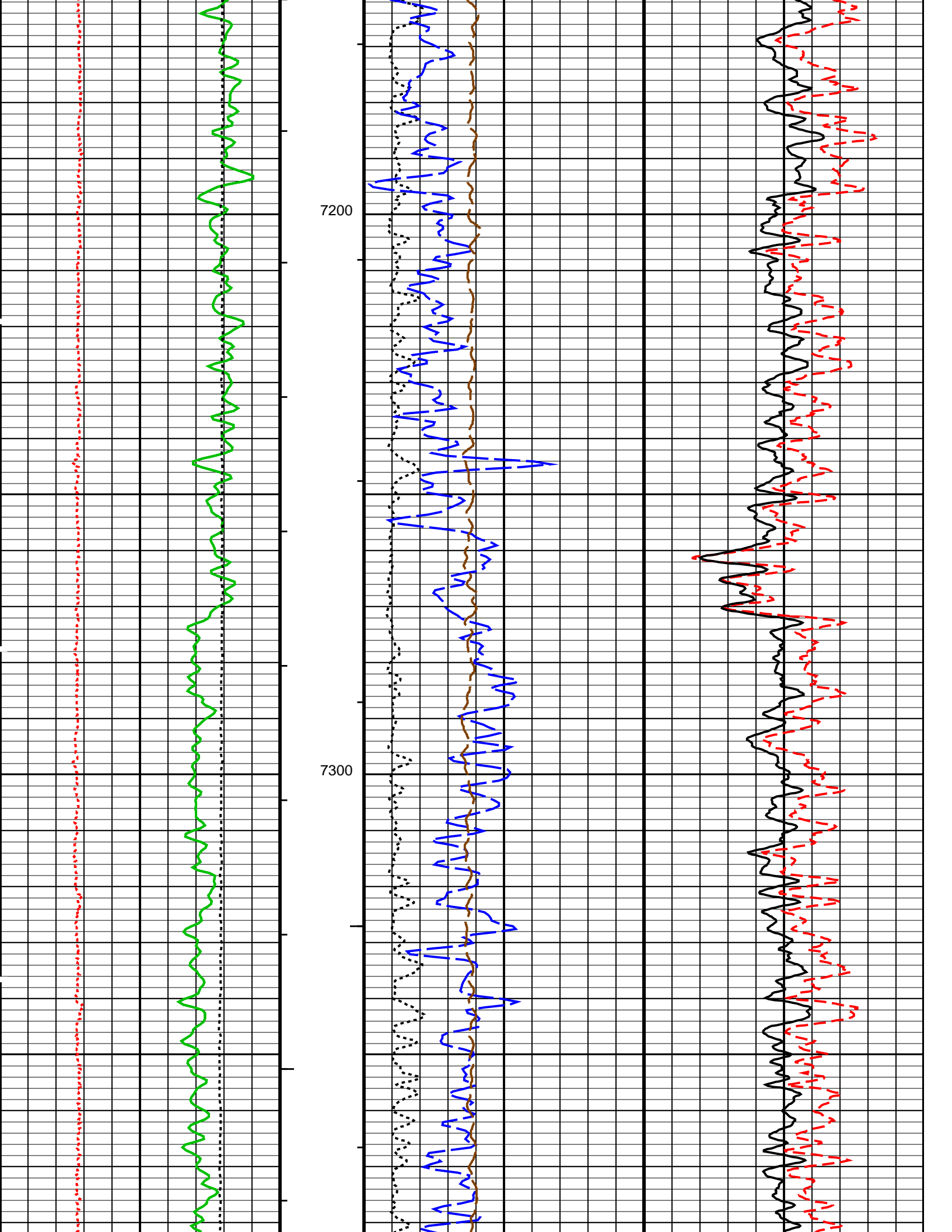


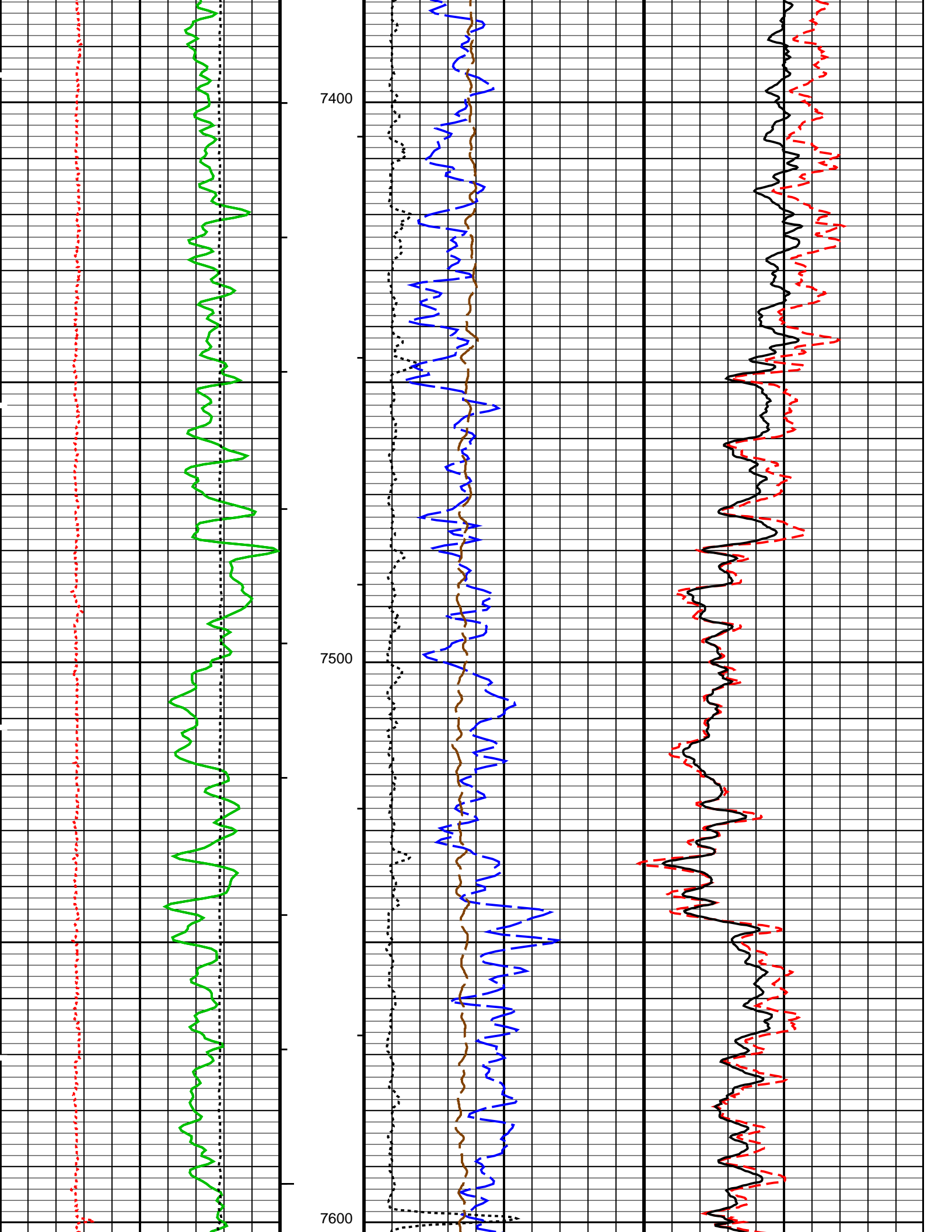
6600

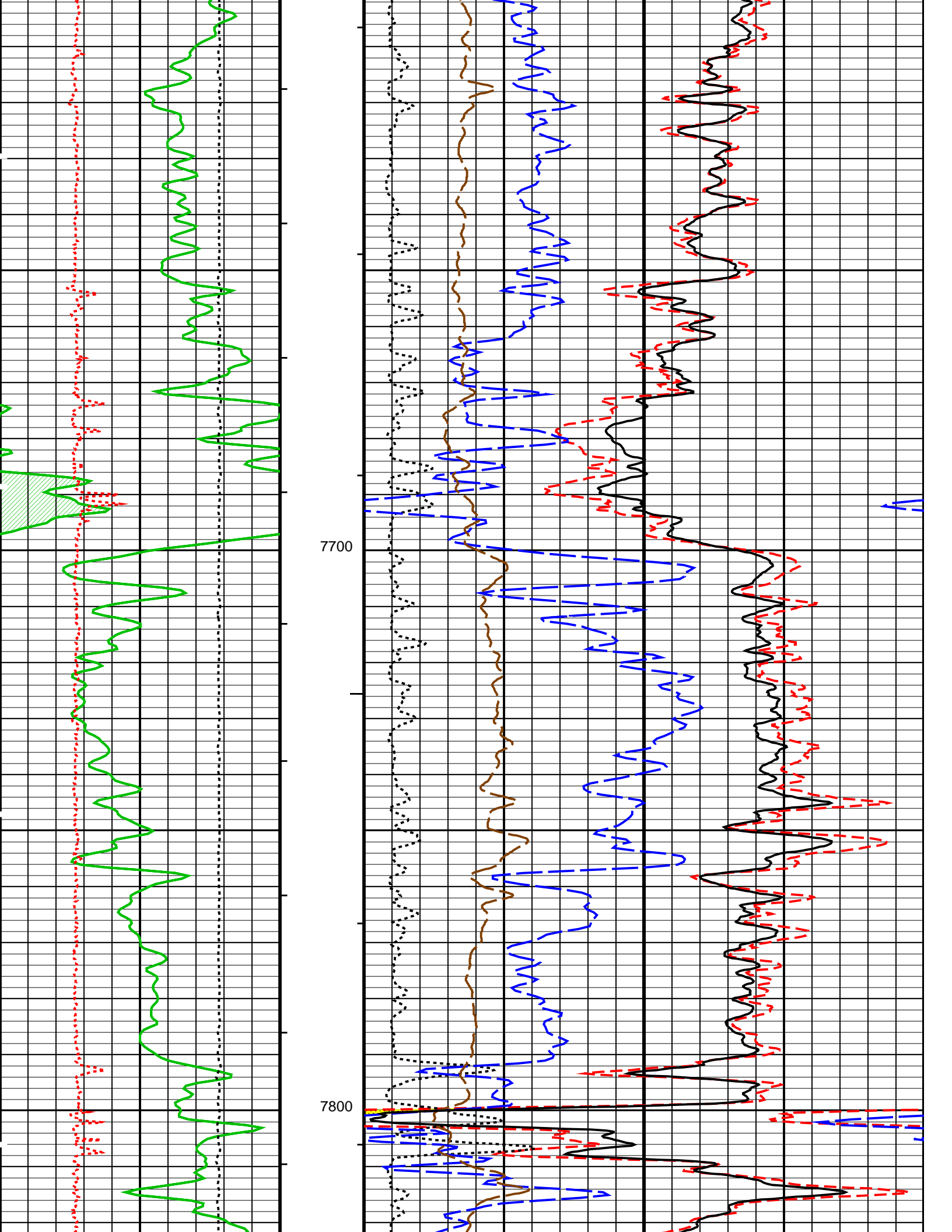
6700

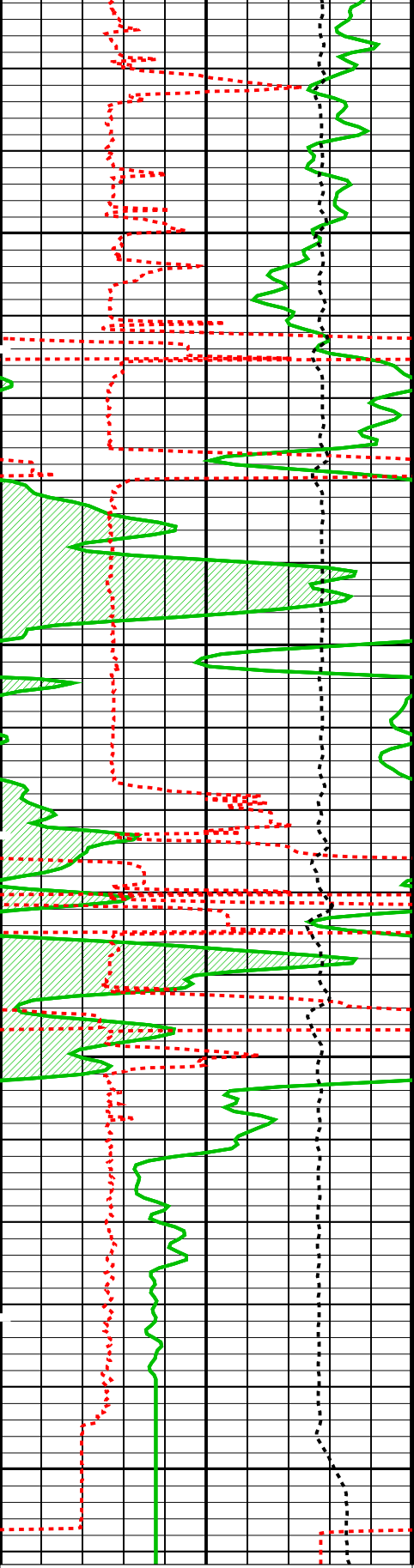








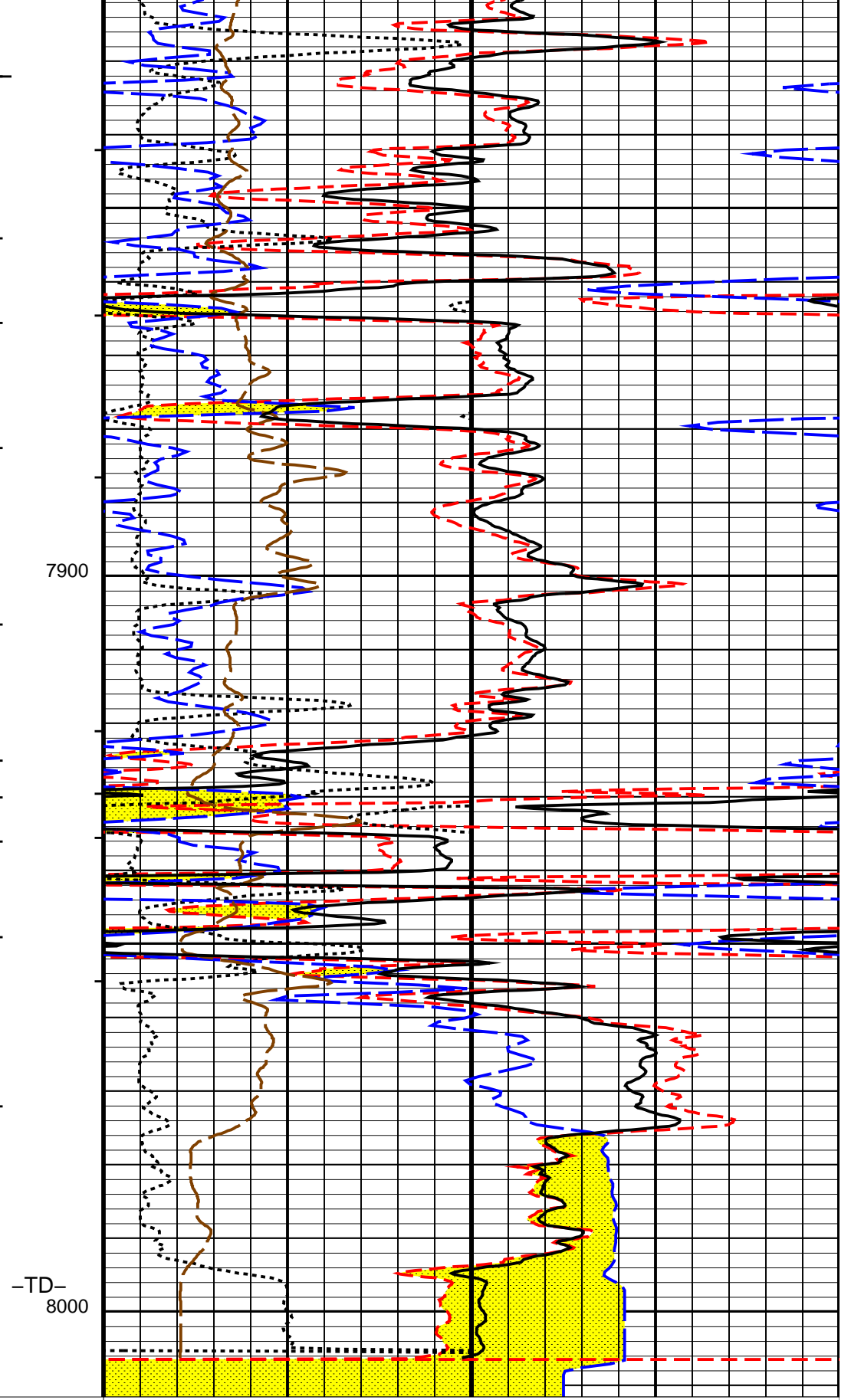




Gamma Ray (GR)
(GAPI) 0 200

HILT Caliper (HCAL)
(IN) 6 16

Tension (TENS)
(LBF) 10000 0



Std. Res. Density Porosity (DPHZ)
(V/V) 0.3 -0.1

Density Correction (HDRA)
(G/C3) -0.05 0.45

Neutron Porosity (NPHI)
(V/V) 0.3 -0.1

7900

-TD-
8000

GR > 200
From LHT1 to GR1

0	Std. Res. Formation Pe (PEFZ) (-----)	10
Std. Res. Formation Density (RHOZ)		
2	(G/C3)	3
NUETRON-DENSITY CROSS OVER From DPHZ to NPHI		

PIP SUMMARY

- └ Integrated Hole Volume Minor Pip Every 10 F3
- └ Integrated Hole Volume Major Pip Every 100 F3
 - └ Integrated Cement Volume Minor Pip Every 10 F3
 - └ Integrated Cement Volume Major Pip Every 100 F3

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
HILTH-FTB: High resolution Integrated Logging Tool-DTS		
BHFL_TLD	HILT Nuclear Mud Base	WATER
BHS	Borehole Status	OPEN
DHC	Density Hole Correction	BS
FD	Fluid Density	1 G/C3
GCLF	Germany Coal-like Formation Option	NO
GCSE	Generalized Caliper Selection	HCAL
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE
MDEN	Matrix Density	2.71 G/C3
NAAC	HRDD APS Activation Correction	OFF
NMT	HILT Nuclear Mud Type	NOBARITE
NPRM	HRDD Processing Mode	HiRes
NSAR	HRDD Depth Sampling Rate	1 IN
HOLEV: Integrated Hole/Cement Volume		
BHS	Borehole Status	OPEN
FCD	Future Casing (Outer) Diameter	5.5 IN
GCSE	Generalized Caliper Selection	HCAL
HVCS	Integrated Hole Volume Caliper Selection	AUTOMATIC
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE
System and Miscellaneous		
BS	Bit Size	8.750 IN
DFD	Drilling Fluid Density	8.48 LB/G
DO	Depth Offset for Playback	0.0 FT
PP	Playback Processing	NORMAL
TD	Total Depth	7997 FT

Format: DENSITY_5 Vertical Scale: 5" per 100' Graphics File Created: 08-May-2010 06:15

OP System Version: 17C0-154

HILTH-FTB 17C0-154 DTC-H 17C0-154

Input DLIS Files

DEFAULT MERGE_TLD_MCFL_CNL_018GUP FN:1 PRODUCER 08-May-2010 06:12 8011.5 FT 21.0 FT

Output DLIS Files

DEFAULT TLD_MCFL_CNL_019PUP FN:14 PRODUCER 08-May-2010 06:14



**Repeat Pass
5 Inch / 100 Feet**

Input DLIS Files

DEFAULT TLD_MCFL_CNL_011LUP FN:8 PRODUCER 08-May-2010 03:04 8010.0 FT 7747.5 FT

Output DLIS Files

HILTHD.015 FN:12 08-May-2010 05:11 8011.5 FT 7749.0 FT

Integrated Hole/Cement Volume Summary

Hole Volume = 133.92 ft³
 Cement Volume = 93.00 ft³ (assuming 5.50 in casing O.D.)
 Computed from 7996.5 ft to 7749.0 ft

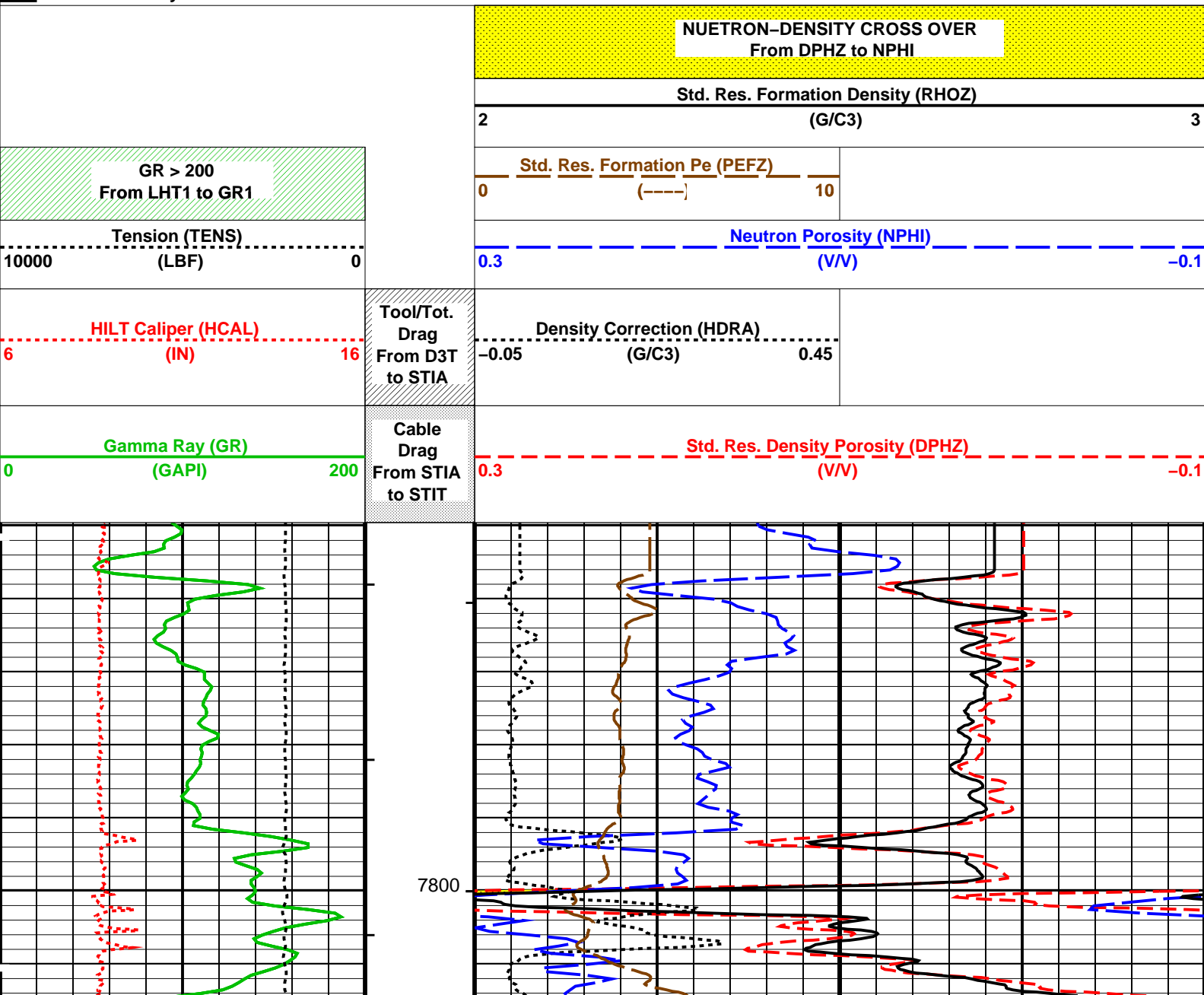
OP System Version: 17C0-154

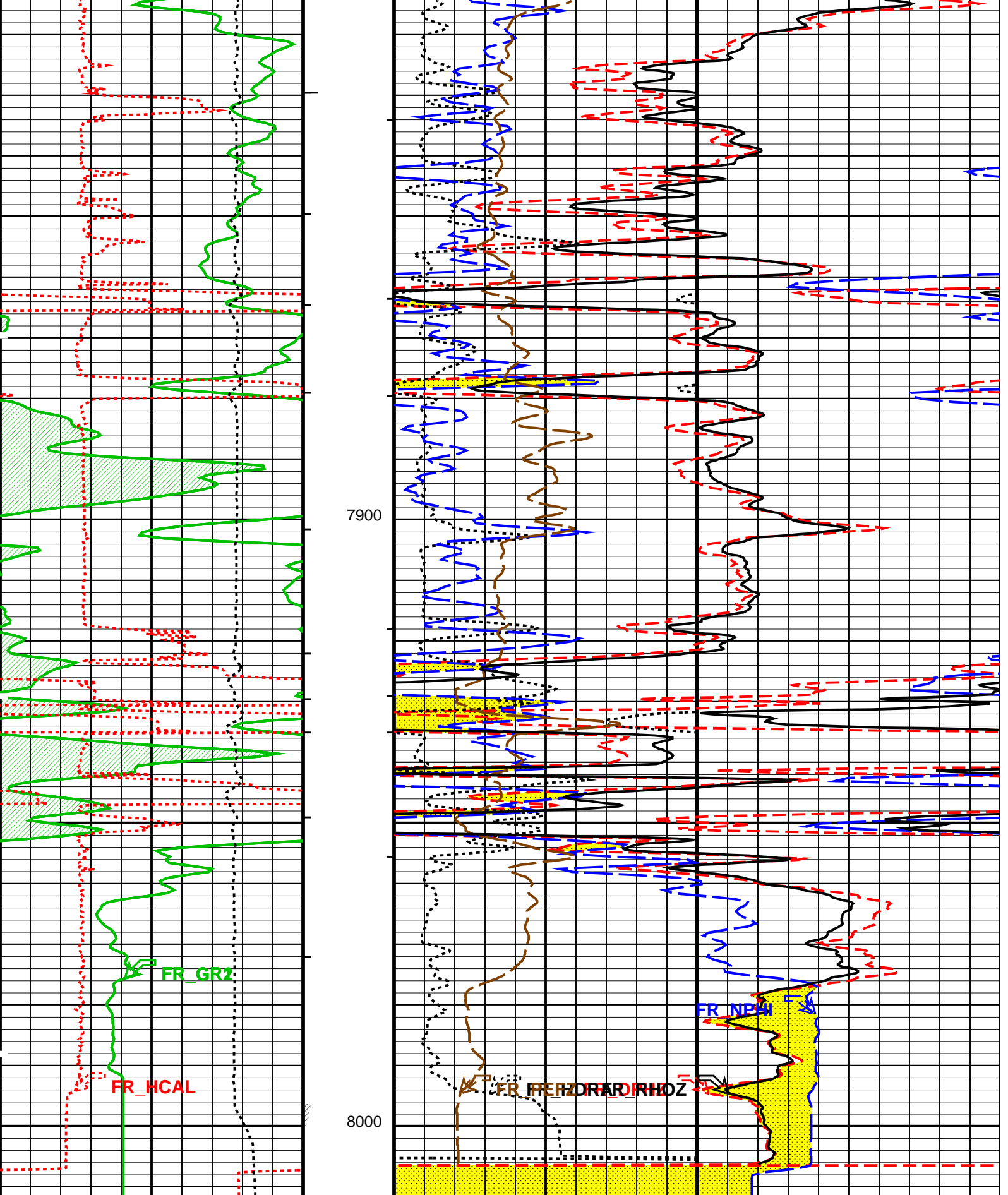
HILTHD 17C0-154 DTCH 17C0-154

PIP SUMMARY

- ┆ Integrated Hole Volume Minor Pip Every 10 F3
- ┆ Integrated Hole Volume Major Pip Every 100 F3
- ┆ Integrated Cement Volume Minor Pip Every 10 F3
- ┆ Integrated Cement Volume Major Pip Every 100 F3

Time Mark Every 60 S





0 **Gamma Ray (GR)** (GAPI) 200

HILT Caliper (HCAL)

Cable Drag From STIA to STIT

0.3 **Std. Res. Density Porosity (DPHZ)** (VV) -0.1

Density Correction (HDRA)

6	(IN)	16	From D3T to STIA	-0.05	(G/C3)	0.45
Tension (TENS)			Neutron Porosity (NPHI)			
10000	(LBF)	0	0.3	(V/V)		-0.1
GR > 200 From LHT1 to GR1			Std. Res. Formation Pe (PEFZ)		10	
			Std. Res. Formation Density (RHOZ)			
			2		(G/C3) 3	
NUETRON-DENSITY CROSS OVER From DPHZ to NPHI						

PIP SUMMARY

- └ Integrated Hole Volume Minor Pip Every 10 F3
- └ Integrated Hole Volume Major Pip Every 100 F3
 - └ Integrated Cement Volume Minor Pip Every 10 F3
 - └ Integrated Cement Volume Major Pip Every 100 F3

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
HILTH-FTB: High resolution Integrated Logging Tool-DTS		
BHFL_TLD	HILT Nuclear Mud Base	WATER
BHS	Borehole Status	OPEN
DHC	Density Hole Correction	BS
DO	Depth Offset	1.5 ft
FD	Fluid Density	1.000 g/cm3
GCCLF	Generalized Coal-like Formation Option	NO
GCSE	Generalized Caliper Selection	HCAL
MATR	Rock Matrix for Neutron Porosity Corrections	LIME
MDEN	Matrix Density	2.710 g/cm3
NAAC	HRDD APS Activation Correction	OFF
NAMT	HILT Nuclear Mud Type	NOBARITE
NPRM	HRDD Processing Mode	HIRES
NSAR	HRDD Depth Sampling Rate	1.000 in
DTC-H: DTS Telemetry Tool		
DO	Depth Offset	1.5 ft
HOLEV: Integrated Hole/Cement Volume		
BHS	Borehole Status	OPEN
DO	Depth Offset	1.5 ft
GCSE	Generalized Caliper Selection	HCAL
MATR	Rock Matrix for Neutron Porosity Corrections	LIME
STI: Stuck Tool Indicator		
DO	Depth Offset	1.5 ft
STKT	STI Stuck Threshold	2.500 ft
TDD	Total Depth - Driller	8006.0 ft
TDL	Total Depth - Logger	7997.0 ft
System and Miscellaneous		
BS	Bit Size	8.750 in
DFD	Drilling Fluid Density	8.480 lbm/gal
DO	Depth Offset	1.5 ft

Format: DENSITY_REPEAT Vertical Scale: 5" per 100' Graphics File Created: 08-May-2010 05:11

OP System Version: 17C0-154

HILTHD 17C0-154 DTCH 17C0-154

Input DLIS Files

DEFAULT TLD_MCFL_CNL_011LUP FN:8 PRODUCER 08-May-2010 03:04 8010.0 FT 7747.5 FT

Output DLIS Files

HILTHD.015 FN:12 08-May-2010 05:11

MAXIS Field Log

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
High resolution Integrated Logging Tool–DTS Wellsite Calibration – Stab Measurement Summary							
Before: 7–May–2010 11:43							
BS Window Ratio	0.7483	N/A	0.7488	N/A	N/A	N/A	
BS Window Sum	29160	N/A	29340	N/A	N/A	N/A	CPS
SS Window Ratio	0.4761	N/A	0.4791	N/A	N/A	N/A	
SS Window Sum	12950	N/A	12900	N/A	N/A	N/A	CPS
LS Window Ratio	0.2988	N/A	0.2977	N/A	N/A	N/A	
LS Window Sum	1359	N/A	1353	N/A	N/A	N/A	CPS
High resolution Integrated Logging Tool–DTS Wellsite Calibration – Photo–multiplier High Voltages Calibrations							
Before: 7–May–2010 11:43							
BS PM High Voltage (Command)	1565	N/A	1549	N/A	N/A	N/A	V
SS PM High Voltage (Command)	1936	N/A	1937	N/A	N/A	N/A	V
LS PM High Voltage (Command)	1402	N/A	1422	N/A	N/A	N/A	V
High resolution Integrated Logging Tool–DTS Wellsite Calibration – Crystal Quality Resolutions Calibration							
Before: 7–May–2010 11:43							
BS Crystal Resolution	11.15	N/A	11.02	N/A	N/A	N/A	%
SS Crystal Resolution	11.43	N/A	11.59	N/A	N/A	N/A	%
LS Crystal Resolution	9.451	N/A	9.488	N/A	N/A	N/A	%
High resolution Integrated Logging Tool–DTS Wellsite Calibration – MCFL Calibration							
Before: 7–May–2010 11:43							
Raw B0 Resistivity	3875	N/A	3863	N/A	N/A	N/A	OHMM
Raw B1 Resistivity	3830	N/A	3813	N/A	N/A	N/A	OHMM
Raw B2 Resistivity	3830	N/A	3811	N/A	N/A	N/A	OHMM
High resolution Integrated Logging Tool–DTS Wellsite Calibration – HILT Caliper Calibration							
Before: 7–May–2010 11:39							
HILT Caliper Zero Measurement	8.000	N/A	7.768	N/A	N/A	N/A	IN
HILT Caliper Plus Measurement	12.00	N/A	12.14	N/A	N/A	N/A	IN
High resolution Integrated Logging Tool–DTS Wellsite Calibration – Detector Calibration							
Before: 7–May–2010 11:41							
Gamma Ray Background	30.00	N/A	42.96	N/A	N/A	N/A	GAPI
Gamma Ray (Jig – Bkgd)	165.0	N/A	176.9	N/A	N/A	15.00	GAPI
High resolution Integrated Logging Tool–DTS Wellsite Calibration – Zero Measurement							
Master: 11–Mar–2010 11:44 Before: 7–May–2010 11:40							
CNTC Background	27.57	27.57	27.43	N/A	N/A	4.135	CPS
CFTC Background	27.40	27.40	30.31	N/A	N/A	4.110	CPS
High resolution Integrated Logging Tool–DTS Wellsite Calibration – Ratio Measurement							
Master: 11–Mar–2010 11:44							
Thermal Near Corr. (Tank)	5800	5119	N/A	N/A	N/A	N/A	CPS
Thermal Far Corr. (Tank)	2400	2246	N/A	N/A	N/A	N/A	CPS
CNTC/CFTC (Tank)	2.159	2.279	N/A	N/A	N/A	N/A	
High resolution Integrated Logging Tool–DTS Wellsite Calibration – Accelerometer Calibration							
Before: 8–May–2010 0:11							
Z–Axis Acceleration	32.19	N/A	32.08	N/A	N/A	N/A	F/S2
High resolution Integrated Logging Tool–DTS Master Calibration – Inversion results							
Master: 30–Apr–2010 12:40							
Rho Aluminum	2.596	2.597	--	--	--	--	G/C3
Rho Magnesium	1.686	1.690	--	--	--	--	G/C3
Pe Aluminum	2.570	2.530	--	--	--	--	
Pe Magnesium	2.650	2.632	--	--	--	--	
High resolution Integrated Logging Tool–DTS Master Calibration – Deviation Summary							
Master: 30–Apr–2010 12:40							

BS Average Deviation	0	0.3048	--	--	--	--	%
BS Max Deviation	0	0.5575	--	--	--	--	%
SS Average Deviation	0	0.2931	--	--	--	--	%
SS Max Deviation	0	1.010	--	--	--	--	%
LS Average Deviation	0	0.6262	--	--	--	--	%
LS Max Deviation	0	1.650	--	--	--	--	%

The GLS-VJ source activity is acceptable.

The HGNS Neutron Master Calibration was done with the following parameters :

NCT-B Water Temperature 35.0 DEGF.
 Thermal Housing Size 3.373 IN.
 NSR-F serial number 5242

High resolution Integrated Logging Tool-DTS / Equipment Identification

Primary Equipment:

HILT high-Resolution Mechanical Sonde	HRMS - H	4940
HILT Rxo Gamma-ray Device	HRGD - H	5751
HILT Micro Cylindrically Focused Log Dev	MCFL - H	
GR Logging Source	GLS - VJ	5436
HILT High Res. Control Cartridge	HRCC - H	4945
HILT Gamma-Ray Neutron Sonde-DTS	HGNS - H	4951
HGNS Gamma-Ray Device	HGR -	
HGNS Neutron Detector with Alpha Source	HCNT - H	

Auxiliary Equipment:

Neutron Calibration Tank	NCT - B	
Gamma Source Radioactive	GSR - U/Y	1156
HGNS Housing	HGNH -	4803

High resolution Integrated Logging Tool-DTS Wellsite Calibration

Stab Measurement Summary

Phase	BS Window Ratio	Value	Phase	SS Window Ratio	Value	Phase	LS Window Ratio	Value
Before		0.7488	Before		0.4791	Before		0.2977
	0.7109 (Minimum) 0.7483 (Nominal) 0.7857 (Maximum)			0.4523 (Minimum) 0.4761 (Nominal) 0.4999 (Maximum)			0.2839 (Minimum) 0.2988 (Nominal) 0.3138 (Maximum)	
Phase	BS Window Sum CPS	Value	Phase	SS Window Sum CPS	Value	Phase	LS Window Sum CPS	Value
Before		29340	Before		12900	Before		1353
	27700 (Minimum) 29160 (Nominal) 30610 (Maximum)			12300 (Minimum) 12950 (Nominal) 13600 (Maximum)			1291 (Minimum) 1359 (Nominal) 1427 (Maximum)	

Before: 7-May-2010 11:43

High resolution Integrated Logging Tool-DTS Wellsite Calibration

Photo-multiplier High Voltages Calibrations

Phase	BS PM High Voltage (Command) V	Value	Phase	SS PM High Voltage (Command) V	Value	Phase	LS PM High Voltage (Command) V	Value
Before		1549	Before		1937	Before		1422
	1465 (Minimum) 1565 (Nominal) 1665 (Maximum)			1836 (Minimum) 1936 (Nominal) 2036 (Maximum)			1302 (Minimum) 1402 (Nominal) 1502 (Maximum)	

Before: 7-May-2010 11:43

High resolution Integrated Logging Tool-DTS Wellsite Calibration

Crystal Quality Resolutions Calibration

Phase	BS Crystal Resolution %	Value	Phase	SS Crystal Resolution %	Value	Phase	LS Crystal Resolution %	Value
Before		11.02	Before		11.59	Before		9.488
	10.15 (Minimum) 11.15 (Nominal) 12.15 (Maximum)			10.43 (Minimum) 11.43 (Nominal) 12.43 (Maximum)			8.451 (Minimum) 9.451 (Nominal) 10.45 (Maximum)	

Before: 7-May-2010 11:43

High resolution Integrated Logging Tool-DTS Wellsite Calibration

MCFL Calibration

Phase	Raw B0 Resistivity OHMM	Value	Phase	Raw B1 Resistivity OHMM	Value	Phase	Raw B2 Resistivity OHMM	Value
Before		3863	Before		3813	Before		3811

3565 (Minimum)	3875 (Nominal)	4185 (Maximum)	3524 (Minimum)	3830 (Nominal)	4136 (Maximum)	3524 (Minimum)	3830 (Nominal)	4136 (Maximum)
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Before: 7-May-2010 11:43

High resolution Integrated Logging Tool-DTS Wellsite Calibration						
HILT Caliper Calibration						
Phase	HILT Caliper Zero Measurement IN	Value	Phase	HILT Caliper Plus Measurement IN	Value	
Before		7.768	Before		12.14	
	6.000 (Minimum)	8.000 (Nominal)	10.00 (Maximum)	9.000 (Minimum)	12.00 (Nominal)	15.00 (Maximum)

Before: 7-May-2010 11:39

High resolution Integrated Logging Tool-DTS Wellsite Calibration						
Detector Calibration						
Phase	Gamma Ray Background GAPI	Value	Phase	Gamma Ray (Jig - Bkgd) GAPI	Value	
Before		42.96	Before		176.9	
	0 (Minimum)	30.00 (Nominal)	120.0 (Maximum)	157.1 (Minimum)	165.0 (Nominal)	206.3 (Maximum)

Before: 7-May-2010 11:41

High resolution Integrated Logging Tool-DTS Wellsite Calibration						
Zero Measurement						
Phase	CNTC Background CPS	Value	Phase	CFTC Background CPS	Value	
Master		27.57	Master		27.40	
Before		27.43	Before		30.31	
	5.000 (Minimum)	27.57 (Nominal)	40.00 (Maximum)	5.000 (Minimum)	27.40 (Nominal)	40.00 (Maximum)

Master: 11-Mar-2010 11:44

Before: 7-May-2010 11:40

High resolution Integrated Logging Tool-DTS Wellsite Calibration									
Ratio Measurement									
Phase	Thermal Near Corr. (Tank) CPS	Value	Phase	Thermal Far Corr. (Tank) CPS	Value	Phase	CNTC/CFTC (Tank)	Value	
Master		5119	Master		2246	Master		2.279	
	4700 (Minimum)	5800 (Nominal)	6900 (Maximum)	1900 (Minimum)	2400 (Nominal)	2900 (Maximum)	2.120 (Minimum)	2.159 (Nominal)	2.540 (Maximum)

Master: 11-Mar-2010 11:44

High resolution Integrated Logging Tool-DTS Wellsite Calibration			
Accelerometer Calibration			
Phase	Z-Axis Acceleration F/S2	Value	
Before		32.08	
	31.53 (Minimum)	32.19 (Nominal)	32.84 (Maximum)

Before: 8-May-2010 0:11

High resolution Integrated Logging Tool-DTS Master Calibration						
Inversion results						
Phase	Rho Aluminum G/C3	Value	Phase	Rho Magnesium G/C3	Value	
Master		2.597	Master		1.690	
	2.586 (Minimum)	2.596 (Nominal)	2.606 (Maximum)	1.676 (Minimum)	1.686 (Nominal)	1.696 (Maximum)
Phase	Pe Aluminum	Value	Phase	Pe Magnesium	Value	
Master		2.530	Master		2.632	
	2.470 (Minimum)	2.570 (Nominal)	2.670 (Maximum)	2.550 (Minimum)	2.650 (Nominal)	2.750 (Maximum)

Master: 30-Apr-2010 12:40

High resolution Integrated Logging Tool-DTS Master Calibration									
Deviation Summary									
Phase	BS Average Deviation %	Value	Phase	SS Average Deviation %	Value	Phase	LS Average Deviation %	Value	
Master		0.3048	Master		0.2931	Master		0.6262	
	-0.6000 (Minimum)	0 (Nominal)	0.6000 (Maximum)	-1.000 (Minimum)	0 (Nominal)	1.000 (Maximum)	-1.500 (Minimum)	0 (Nominal)	1.500 (Maximum)
Phase	BS Max Deviation %	Value	Phase	SS Max Deviation %	Value	Phase	LS Max Deviation %	Value	

Master	0.5575	Master	1.010	Master	1.650
-1.600 (Minimum)	0 (Nominal)	1.600 (Maximum)	-2.500 (Minimum)	0 (Nominal)	2.500 (Maximum)
-3.500 (Minimum)	0 (Nominal)	3.500 (Maximum)			

Master: 30-Apr-2010 12:40

High resolution Integrated Logging Tool-DTS Master Calibration					
Zero Measurement					
Phase	CNTC Background CPS	Value	Phase	CFTC Background CPS	Value
Master		27.57	Master		27.40
	5.000 (Minimum)	27.57 (Nominal)	40.00 (Maximum)	5.000 (Minimum)	27.40 (Nominal)
			40.00 (Maximum)		

Master: 11-Mar-2010 11:44

High resolution Integrated Logging Tool-DTS Master Calibration								
Tank Measurement								
Phase	Thermal Near Corr. (Tank) CPS	Value	Phase	Thermal Far Corr. (Tank) CPS	Value	Phase	CNTC/CFTC (Tank)	Value
Master		5119	Master		2246	Master		2.279
	4700 (Minimum)	5800 (Nominal)	6900 (Maximum)	1900 (Minimum)	2400 (Nominal)	2900 (Maximum)	2.120 (Minimum)	2.159 (Nominal)
							2.540 (Maximum)	

Master: 11-Mar-2010 11:44

DTS Telemetry Tool / Equipment Identification

Primary Equipment:

DTC-H Auxiliary Cartridge
DTC-H Telemetry Cartridge

DTCH - A
DTCH - A

Auxiliary Equipment:

DTCH Telemetry Cartridge Housing

ECH - KC

Company: **STONE ENERGY**

Schlumberger

Well: **POTOCZNY UNIT A 1-H**

Field: **FARMINGTON**

County: **MARION**

State: **WEST VIRGINIA**

PLATFORM EXPRESS

LITHO DENSITY / COMPENSATED NEUTRON

CALIPER / GAMMA RAY