

Company: Vecta Oil & Gas LTD

Well: Maroon 24-20

Field: Wildcat

County: Cheyenne State: Colorado

Platform Express			
Compensated Neutron Log			
LithoDensity			
SE/SW Sec. 20, Twn 14 S, Rng 47 W		Elev. K.B. 4253.00 ft	
SHL: 888' FSL & 1,499' FWL		G.L. 4242.00 ft	
		D.F. 4252.00 ft	
Permanent Datum:		Ground Level	
Log Measured From:		Kelly Bushing	
Drilling Measured From:		Kelly Bushing	
API Serial No.	Section:	Township:	Range:
05-017-07718-0000	20	47 W	47 W

Logging Date	19-Nov-2012		
Run Number	Run-1		
Depth Driller	5445.00 ft		
Schlumberger Depth	5442.00 ft		
Bottom Log Interval	5442.00 ft		
Top Log Interval	431.00 ft		
Casing Driller Size @ Depth	8.625 in @ 434.00 ft		
Casing Schlumberger	431 ft		
Bit Size	7.875 in		
Type Fluid In Hole	Gel Chemical		
Density	Viscosity	58 s	
Fluid Loss	PH	9	
MUD			
Source of Sample			
RM @ Meas Temp	2.59 ohm.m @ 51.6 degF		
RMF @ Meas Temp	1.94 ohm.m @ 51.6 degF		
RMC @ Meas Temp	3.24 ohm.m @ 51.6 degF		
Source RMF	RMC	Calculated	
RM @ BHT	RMF @ BHT	0.81 @ 180	0.61 @ 180
Max Recorded Temperatures			
Circulation Stopped		Time	14:00:00
Logger on Bottom		Time	
Unit Number	Location:	2135	Fort Morgan, CO
Recorded By	Stan Thompson		
Witnessed By	Larry Schneider & Ryan		

Disclaimer

THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

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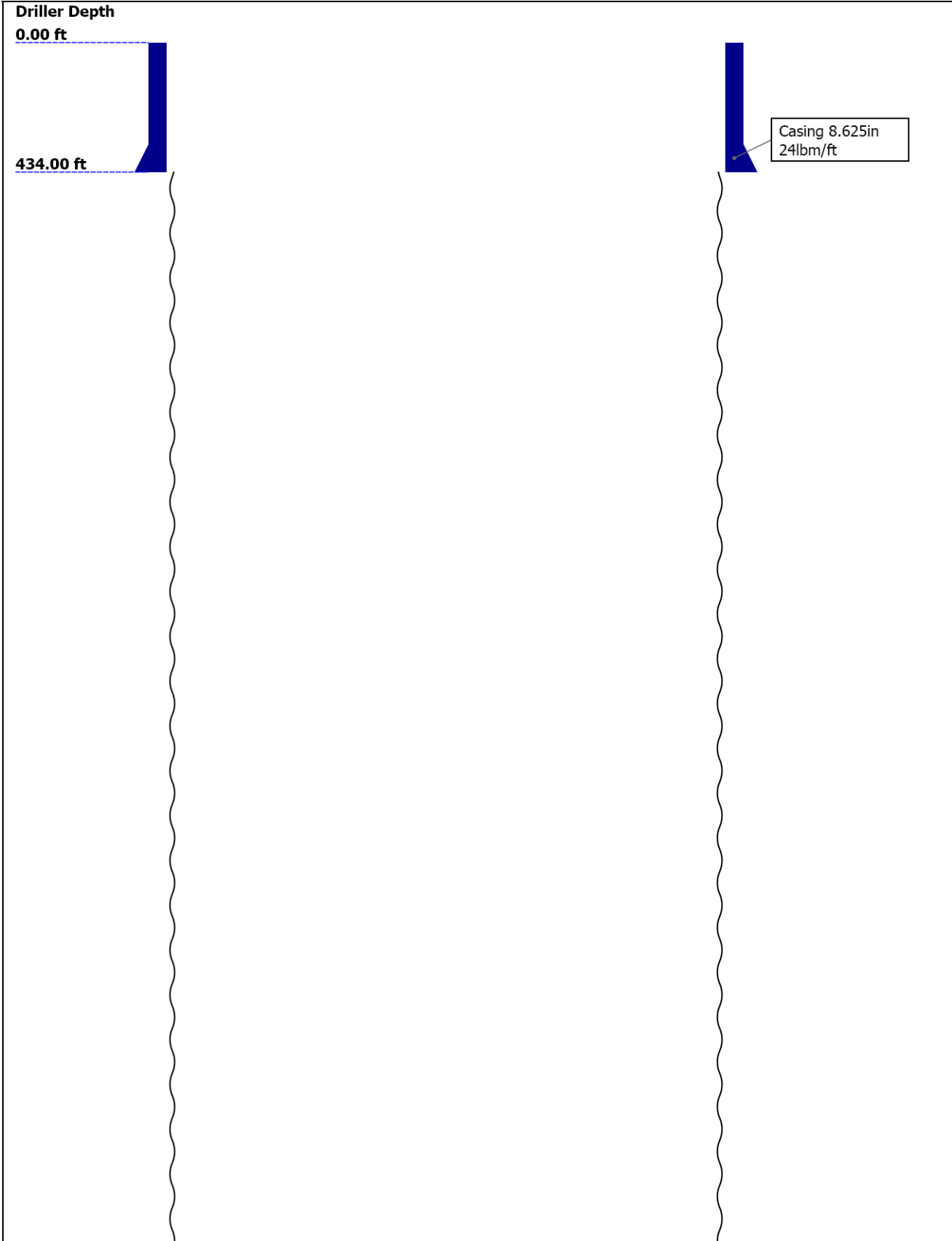
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Well Sketch



5445.00 ft

Open Hole 7.875in

Borehole Size/Casing/Tubing Record

Bit						
Bit Size (in)	7.875					
Top Driller (ft)	434					
Top Logger (ft)	434					
Bottom Driller (ft)	5445					
Bottom Logger (ft)	5442					
Casing						
Size (in)	8.625					
Weight (lbm/ft)	24					
Inner Diameter (in)	8.099					
Top Driller (ft)	0					
Top Logger (ft)	0					
Bottom Driller (ft)	434					
Bottom Logger (ft)	431					

Remarks and Equipment Summary

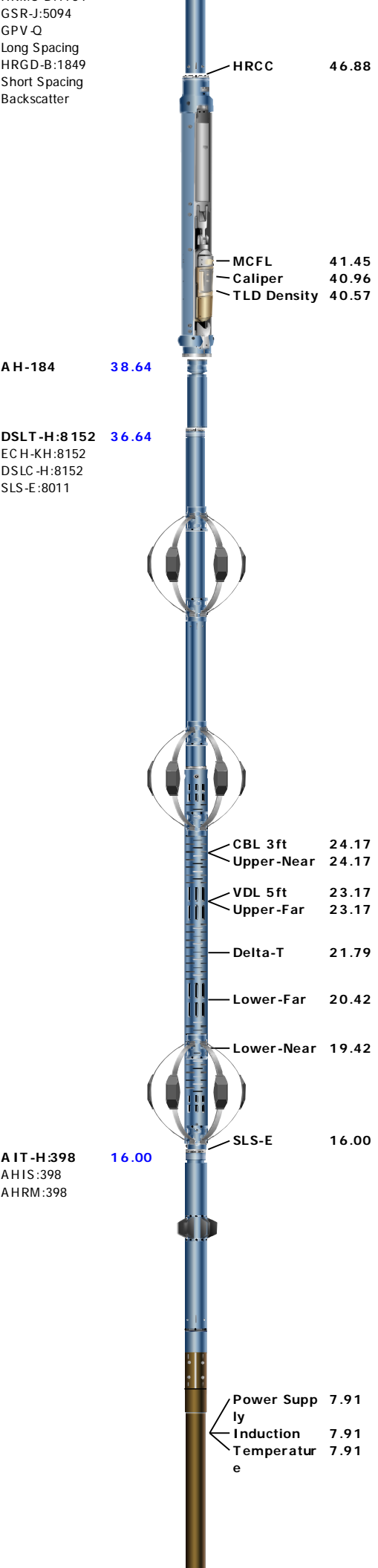
Run-1: Toolstring				Run-1: Remarks	
<div><div><div>Equip name</div><div>Length</div><div>MP name</div><div>Offset</div></div><div><div>LEH-QT</div><div>66.21</div><div></div><div></div></div><div><div>DTC-H:9236</div><div>63.29</div><div></div><div></div></div><div><div>ECH-KC:10316</div><div></div><div></div><div></div></div><div><div>DTC-H:9236</div><div></div><div></div><div></div></div><div><div>HGNS-B:1927</div><div>60.29</div><div></div><div></div></div><div><div>HGNH:3878</div><div></div><div></div><div></div></div><div><div>NPV-N</div><div></div><div></div><div></div></div><div><div>NSR-F:5069</div><div></div><div></div><div></div></div><div><div>HACCZ-B:749</div><div></div><div></div><div></div></div><div><div>HMCA-B</div><div></div><div></div><div></div></div><div><div>HGNS-B:1927</div><div></div><div></div><div></div></div><div><div>HDRS-B:1754</div><div>50.88</div><div></div><div></div></div><div><div>ECH-MEB:1922</div><div></div><div></div><div></div></div><div><div>HRCC-B:791</div><div></div><div></div><div></div></div><div><div>HRMS-B:1754</div><div></div><div></div><div></div></div></div> <div><div><div>CTEM</div><div>62.39</div></div><div><div>HV</div><div>0.00</div></div><div><div>TelStatus</div><div>60.29</div></div><div><div>ToolStatus</div><div>60.29</div></div><div><div>Temperature</div><div>60.26</div></div><div><div>GR</div><div>59.55</div></div><div><div>CNL Porosity</div><div>53.21</div></div><div><div>HMCA</div><div>50.88</div></div><div><div>HGNS</div><div>50.88</div></div><div><div>Accelerometer</div><div>0.00</div></div></div>	Toolstring run as per tool sketch.				
	High-res data acquisition from TD-3,900'				
	Matrix was set to Limestone: 2.71 g/cc				
	Crew: Ed Ponce & Matt Rocha				

Toolstring run as per tool sketch.

High-res data acquisition from TD-3,900'

Matrix was set to Limestone: 2.71 g/cc

Crew: Ed Ponce & Matt Rocha





SP 0.08
Mud Resistivity 0.00
Head Tension
TOOL_ZERO

Lengths are in ft

Maximum Outer Diameter = 5.000 in

Line: Sensor Location, Value: Gating Offset

All measurements are relative to TOOL_ZERO

Depth Summary

Depth Control Parameters	Run-1		
Conveyance Type	Wireline		
Log Sequence	1		
Depth Remark Parameters	Run-1		
Depth Remark 1	All Schlumberger depth procedures followed.		
Depth Remark 2	IDW used as primary depth device, Z-chart used as secondary depth reference.		
Depth Measuring Device	Run-1		
Type	IDW-JA		
Serial Number	6515A		
Calibration Date	23-Oct-2012		
Calibrator Serial Number	1324		
Calibration Cable Type	7-46P LXS		
Wheel Correction 1	-7		
Wheel Correction 2	-5		
Tension Device	Run-1		
Type	CMTD-B/A		
Serial Number	1919		
Calibration Date	10-Nov-2012		
Calibrator Serial Number	78135		
Calibration Points	10		
Calibration RMS	6		
Calibration Peak Error	11		
Logging Cable	Run-1		
Type	7-46P-XS		
Serial Number	U7110		
Logging Cable Length (ft)	23450.00		

Composite 1

5" Porosity

Integration Summary

Output Channel(s)	Output Description	Input Parameter	Output Value	Unit
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Software Version

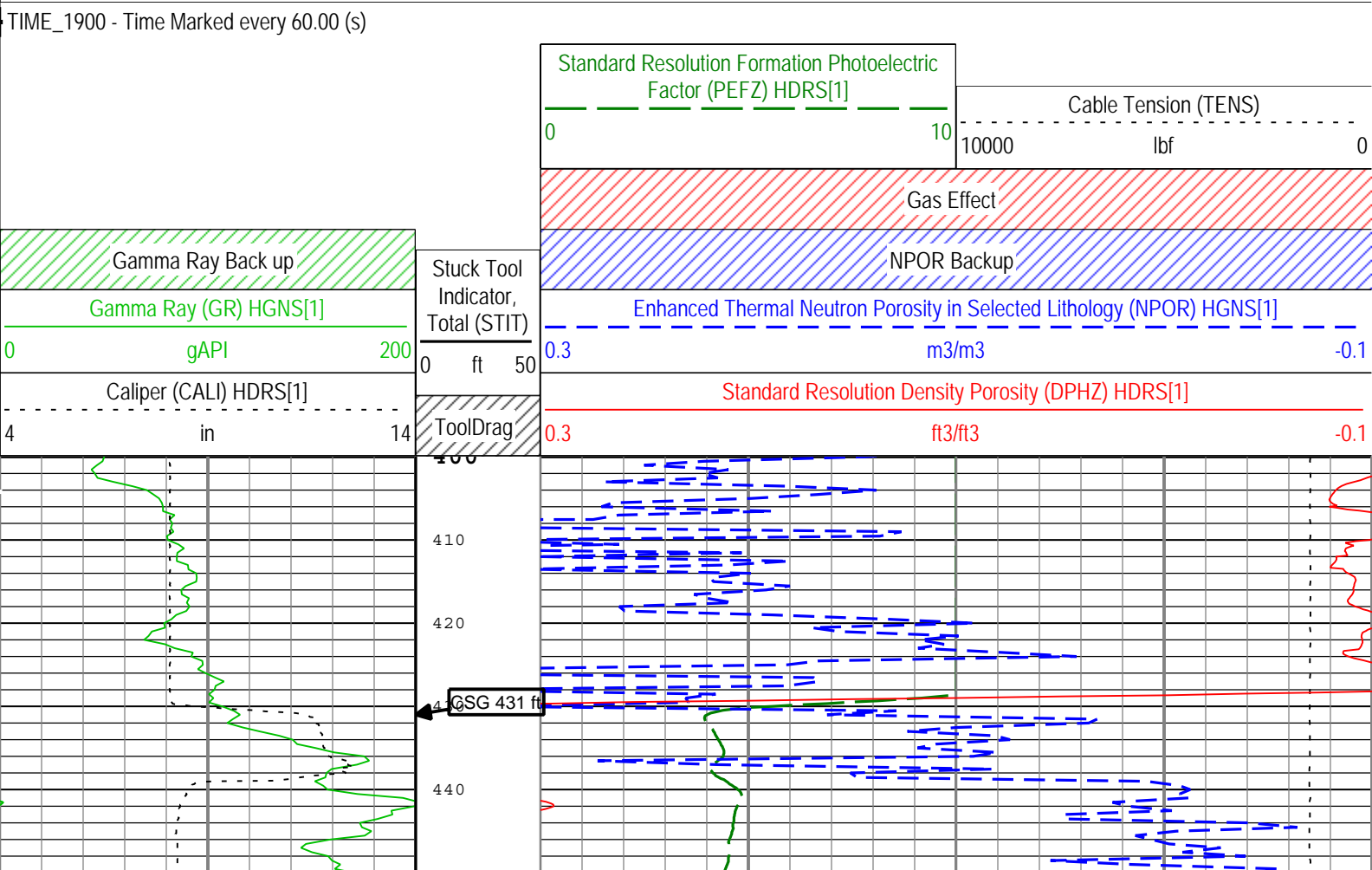
Acquisition System	Version
MaxWell	3.1.9755.0
Application Patch	SP-20120723-3.1.9755.1112
	EXP APL-MASTAXIS-3.1.9755.1221

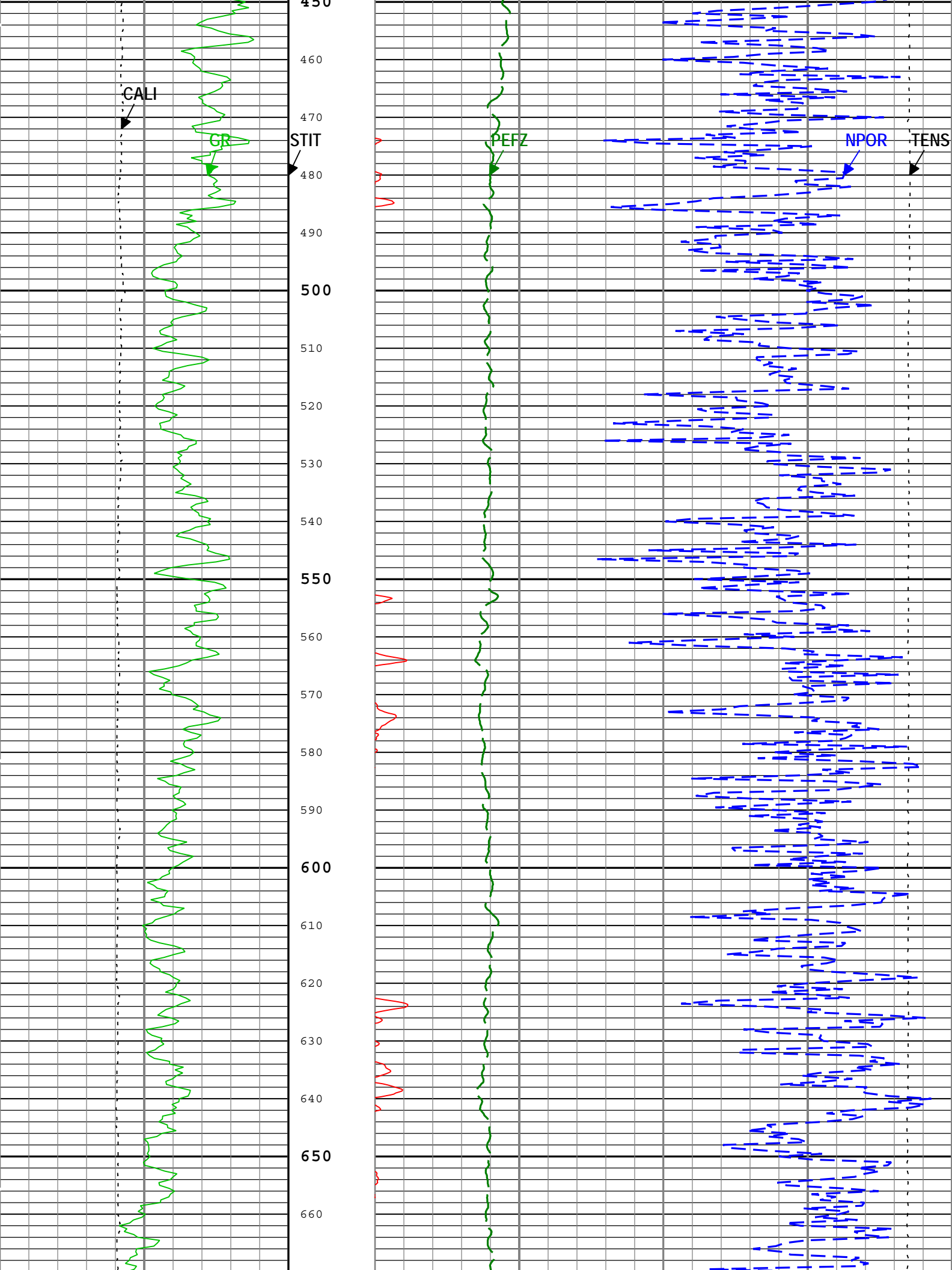
Computation	Description	Version	
HENVIR	Computation Ensemble for the HGNS Neutron environmental corrections	3.1.9755.0	
DepthCorrection	DepthCorrection	3.1.9755.0	
Tool Elements	Description	Software Version	Firmware Version
HRGD-B	HILT Resistivity Gamma-Ray Density Device, 125 degC	3.1.9755.0	3.0
HGNS-B	HILT Gamma-Ray and Neutron Sonde, 125 degC	3.1.9755.0	2.0
HRCC-B	HILT High-Resolution Control Cartridge, 125 degC	3.1.9755.0	2.0

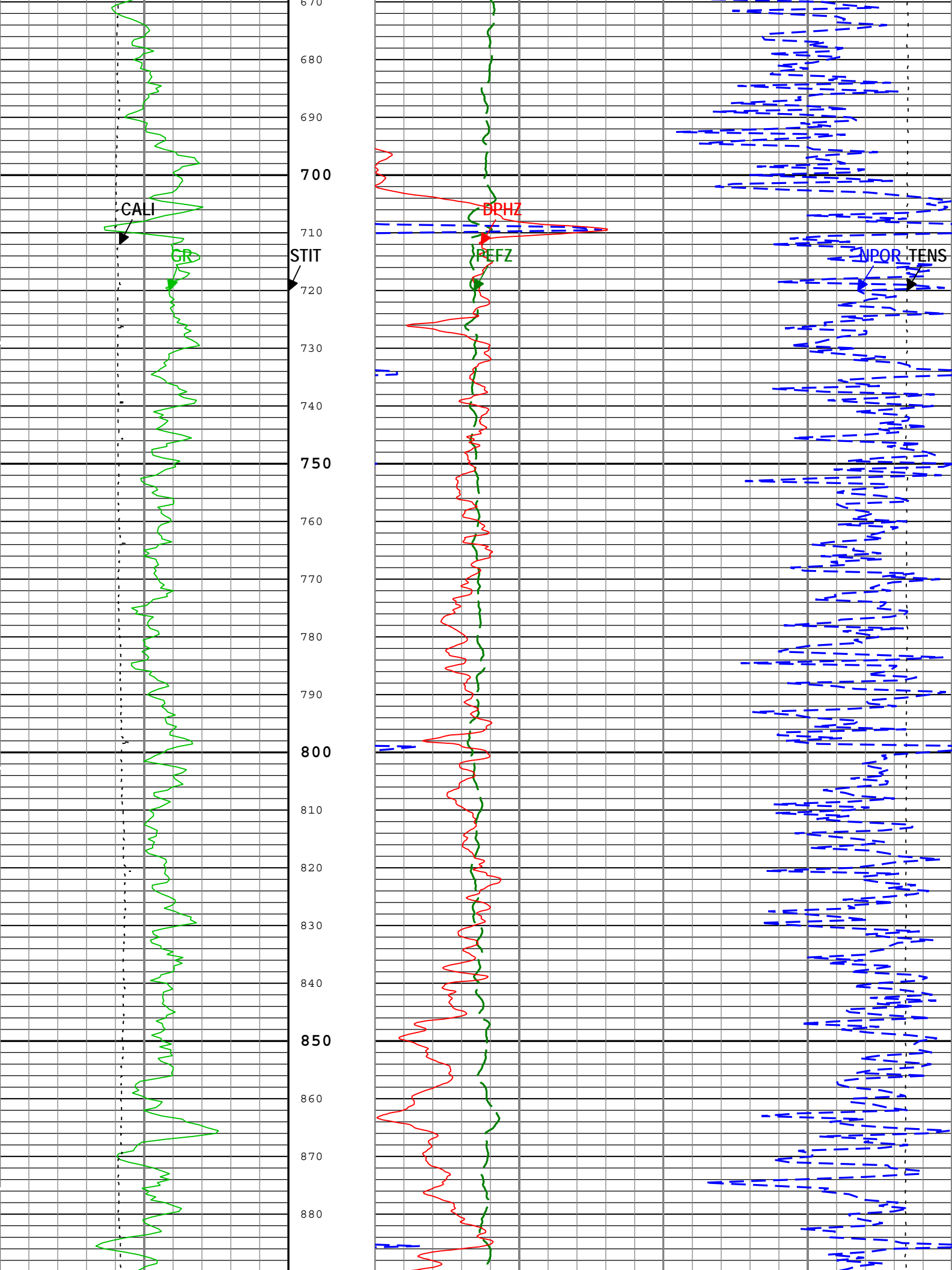
Composite Summary								
Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	Depth Shift	Include Parallel Data
Run-1	Log[3]:Up	Up	2330.23 ft	5462.23 ft	19-Nov-2012 9:11:52 PM	19-Nov-2012 10:30:49 PM	0.00 ft	
Run-1	Log[4]:Up	Up	323.00 ft	2404.61 ft	19-Nov-2012 11:00:30 PM	19-Nov-2012 11:31:37 PM	0.00 ft	
All depths are referenced to toolstring zero								
Log						Composite 1		

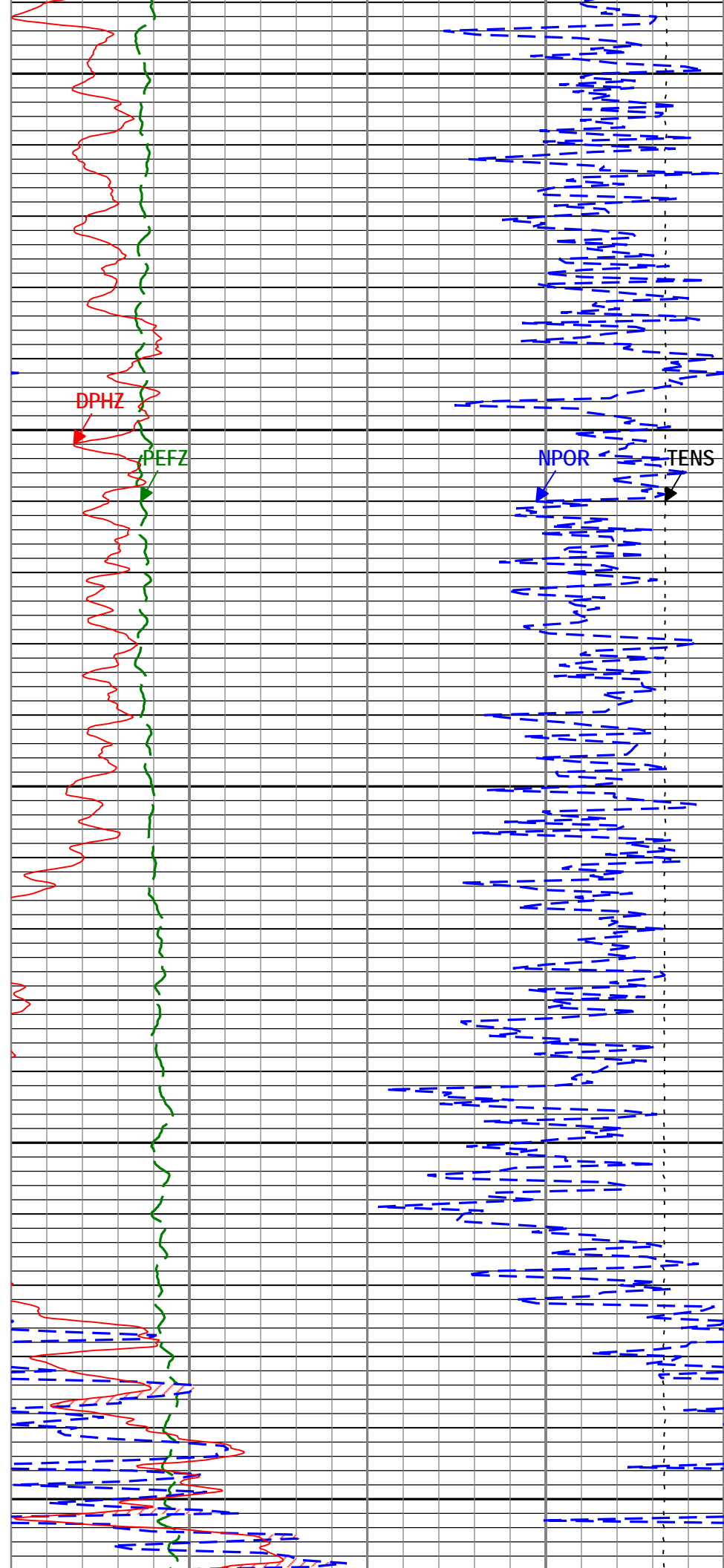
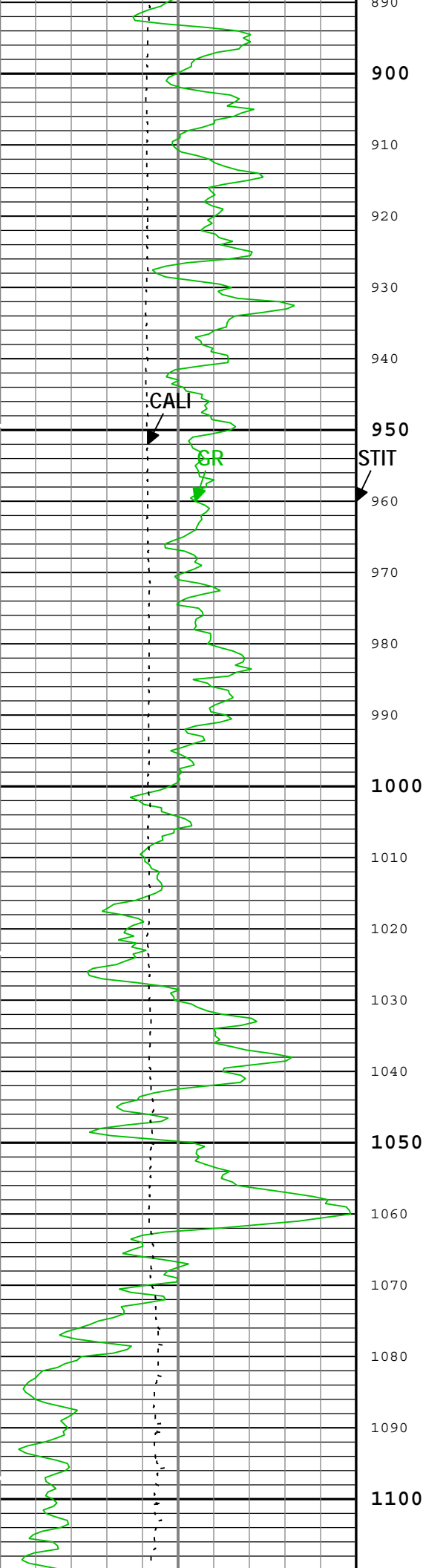
Description: HGNS standard resolution porosities for Platform Express Format: Log (EMD 5in Porosity) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 19-Nov-2012 23:44:30

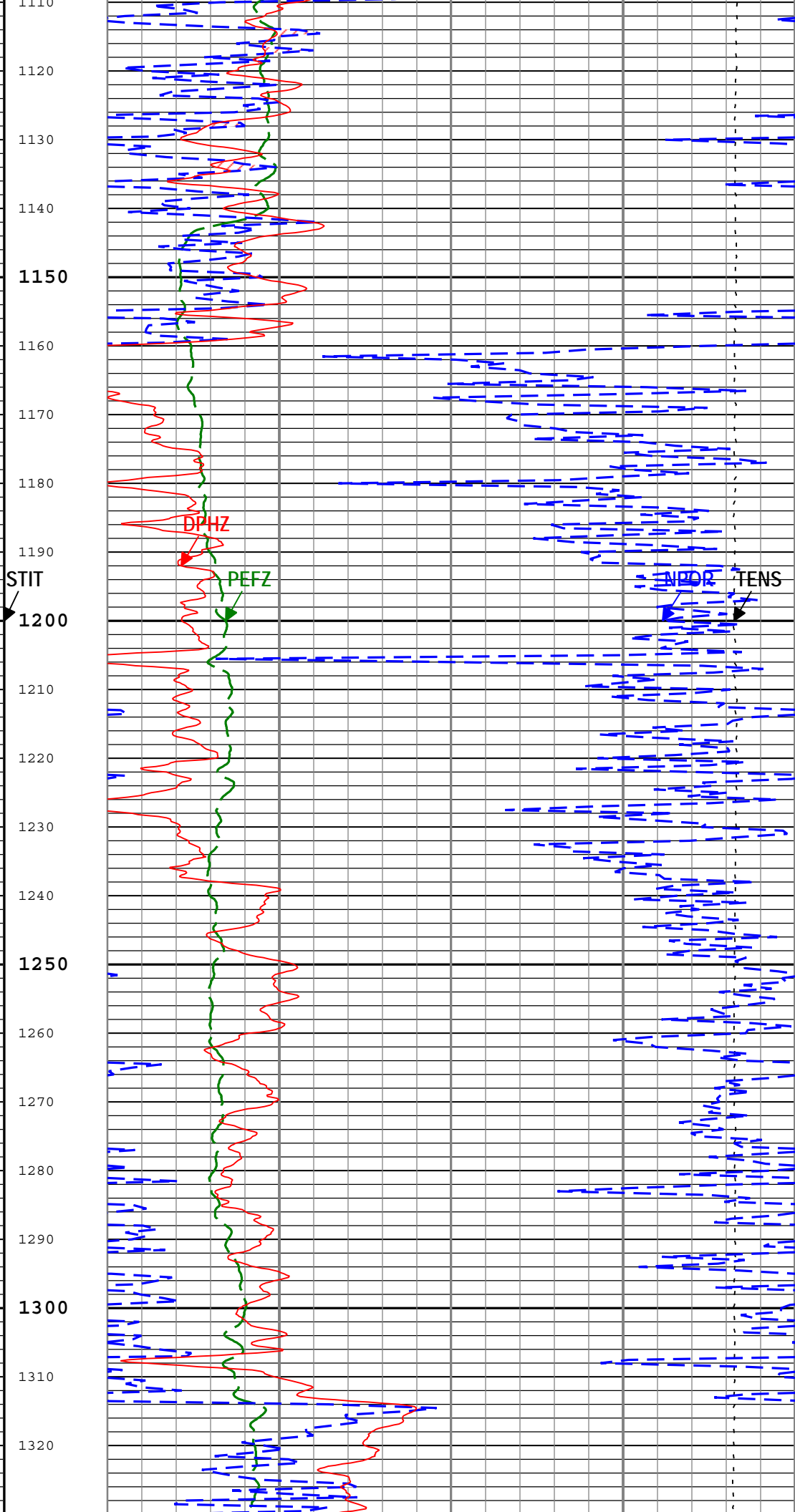
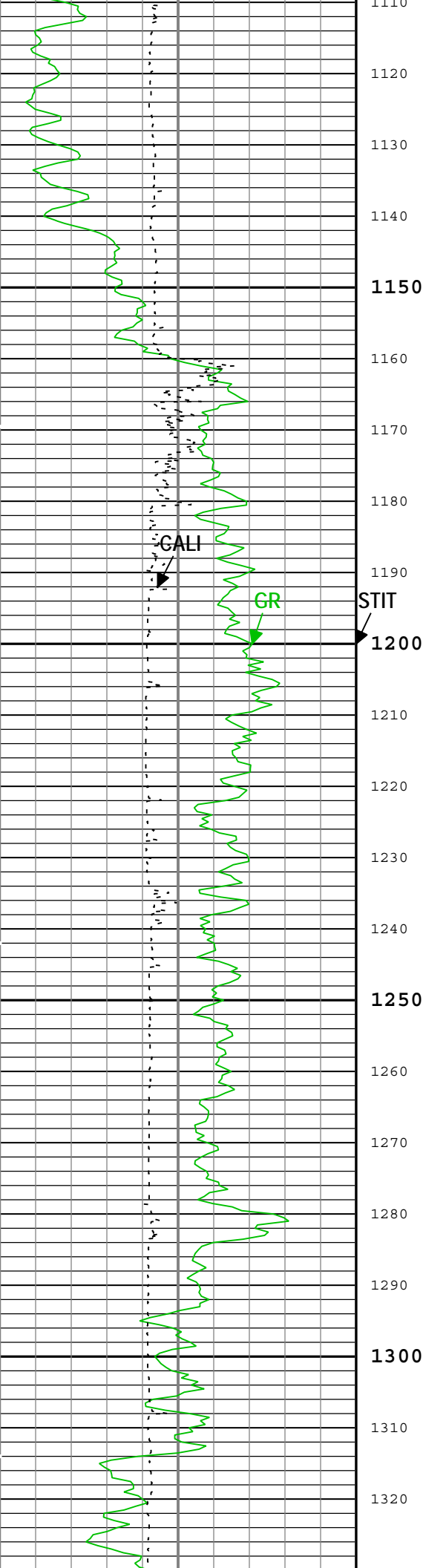
Channel	Source	Sampling
CALI	HDRS[1]:HRCC-B[1]:HRCC-B[1]	1in
DPHZ	HDRS[1]:HRMS-B[1]:HRGD-B[1]	2in
GR	HGNS[1]:HGNS-B[1]:HGNS-B[1]	6in
NPOR	HGNS[1]:HGNS-B[1]:HGNS-B[1]	6in
PEFZ	HDRS[1]:HRMS-B[1]:HRGD-B[1]	2in
STIT	DepthCorrection	6in
TENS	WLWorkflow	6in
TIME_1900	WLWorkflow	0.1in

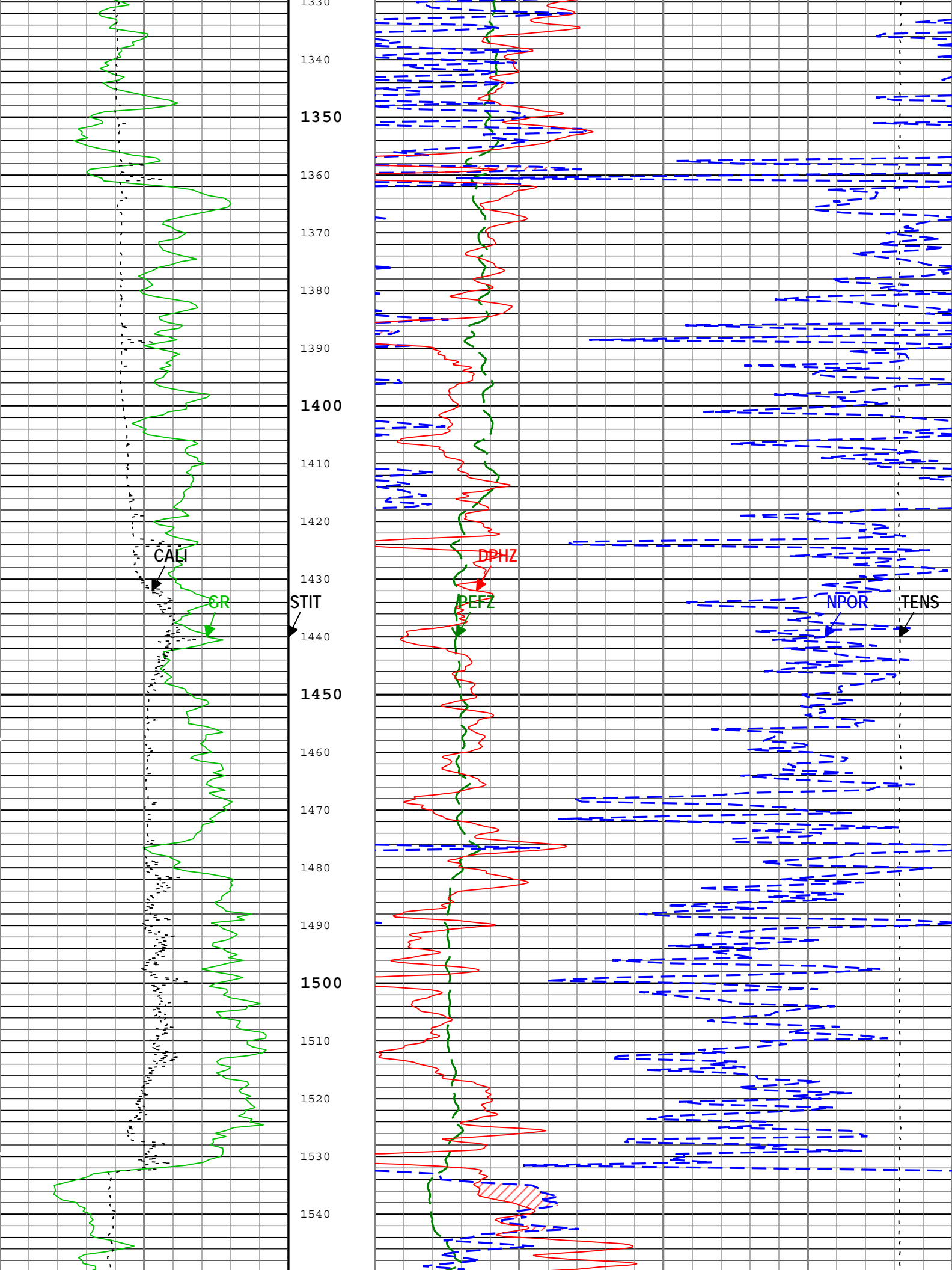


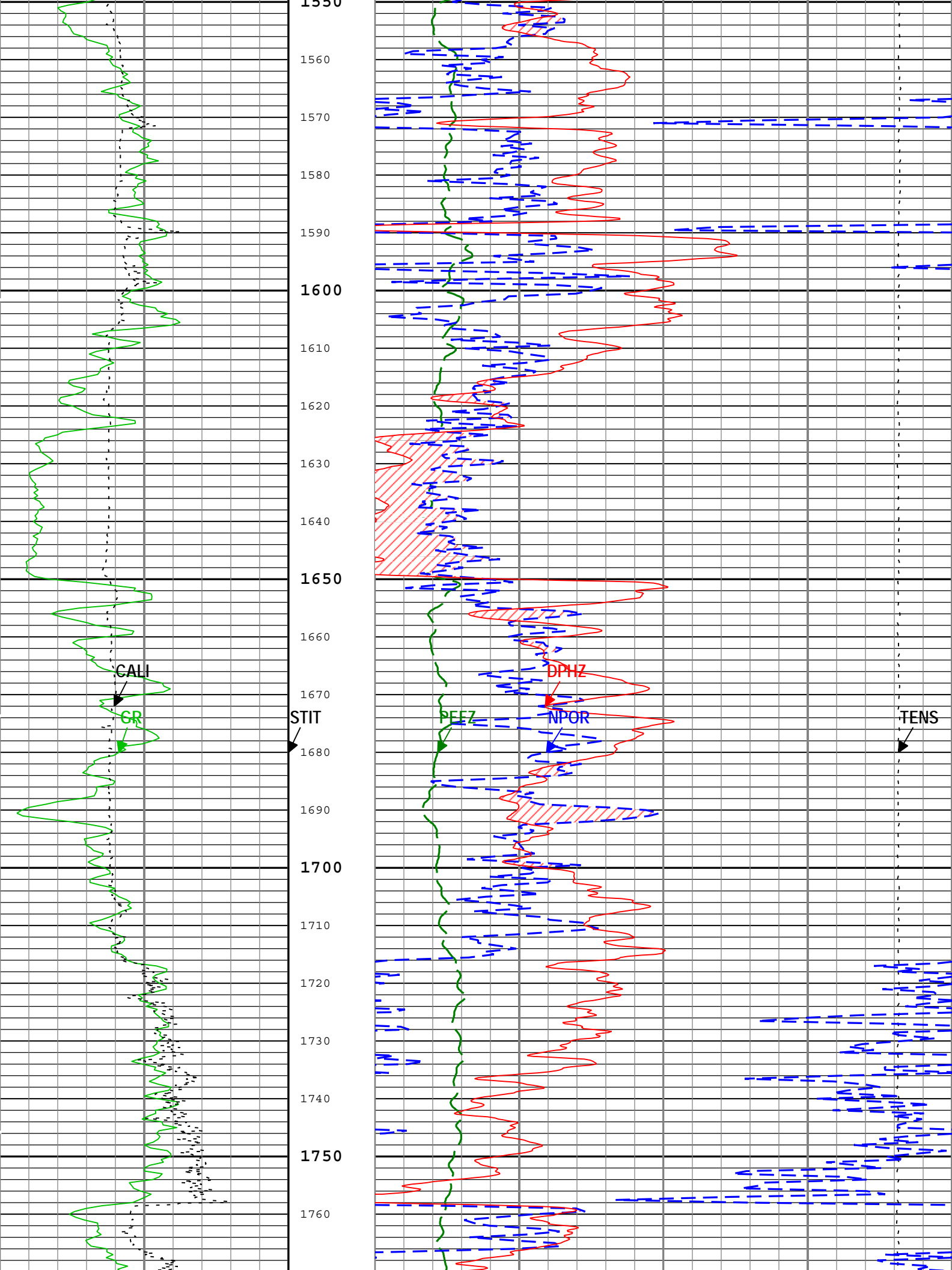


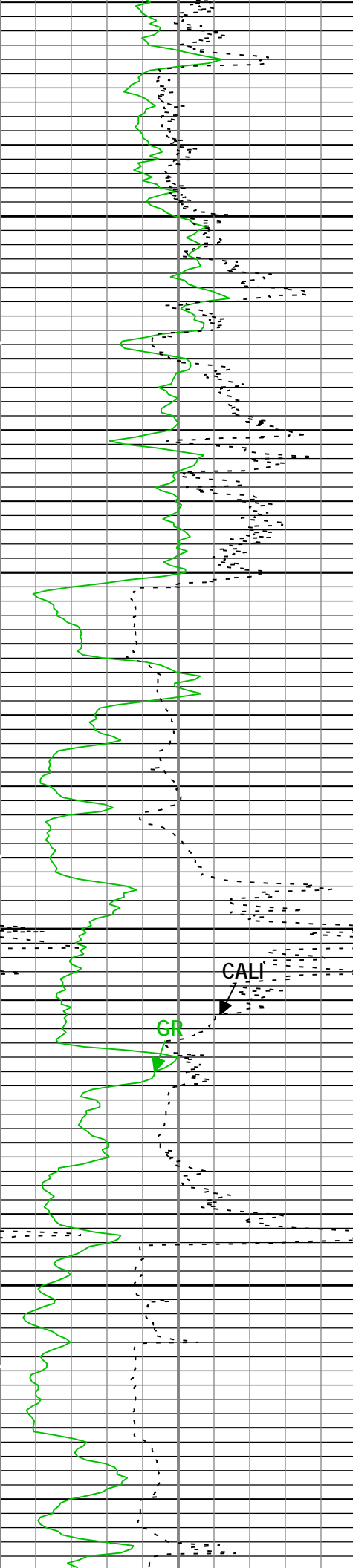




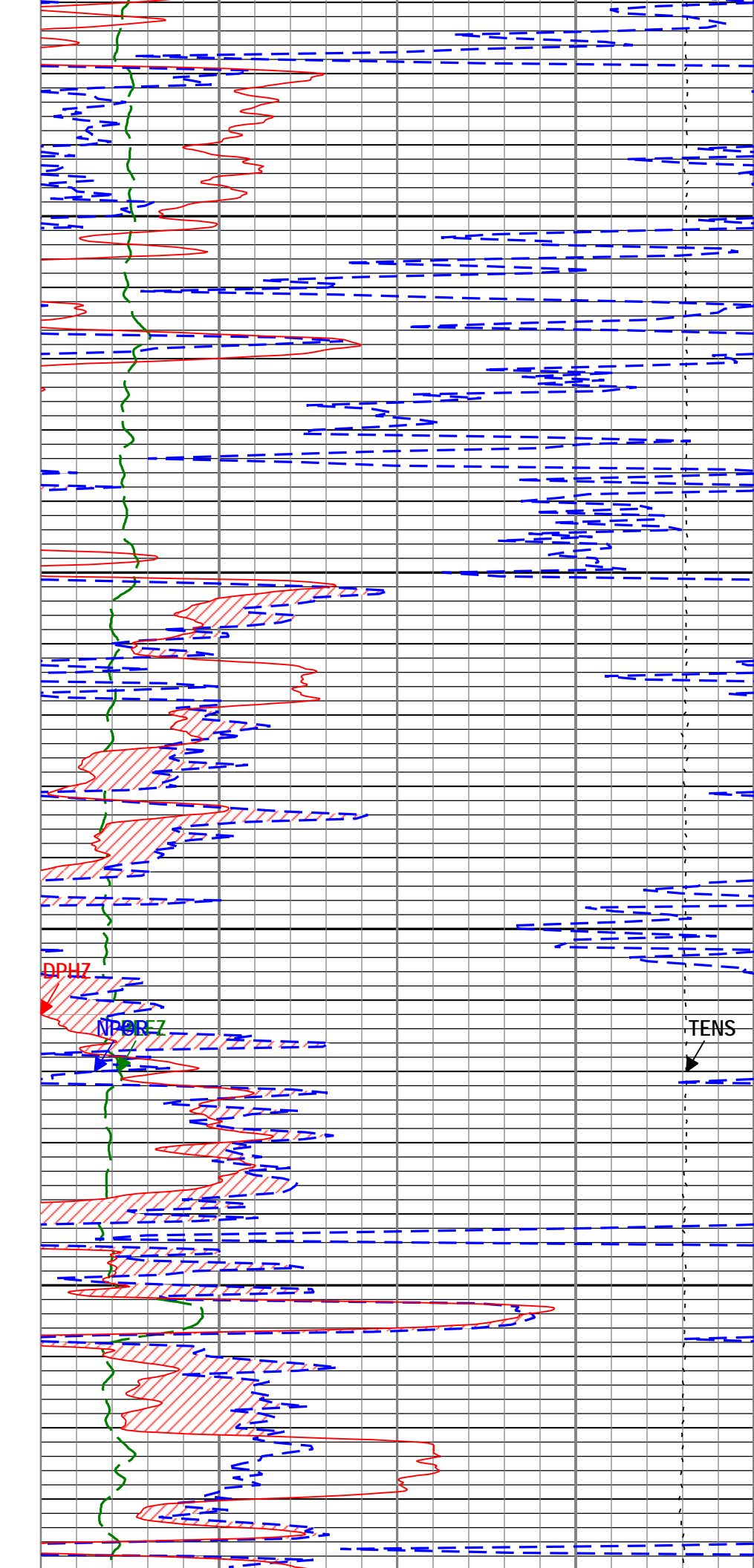


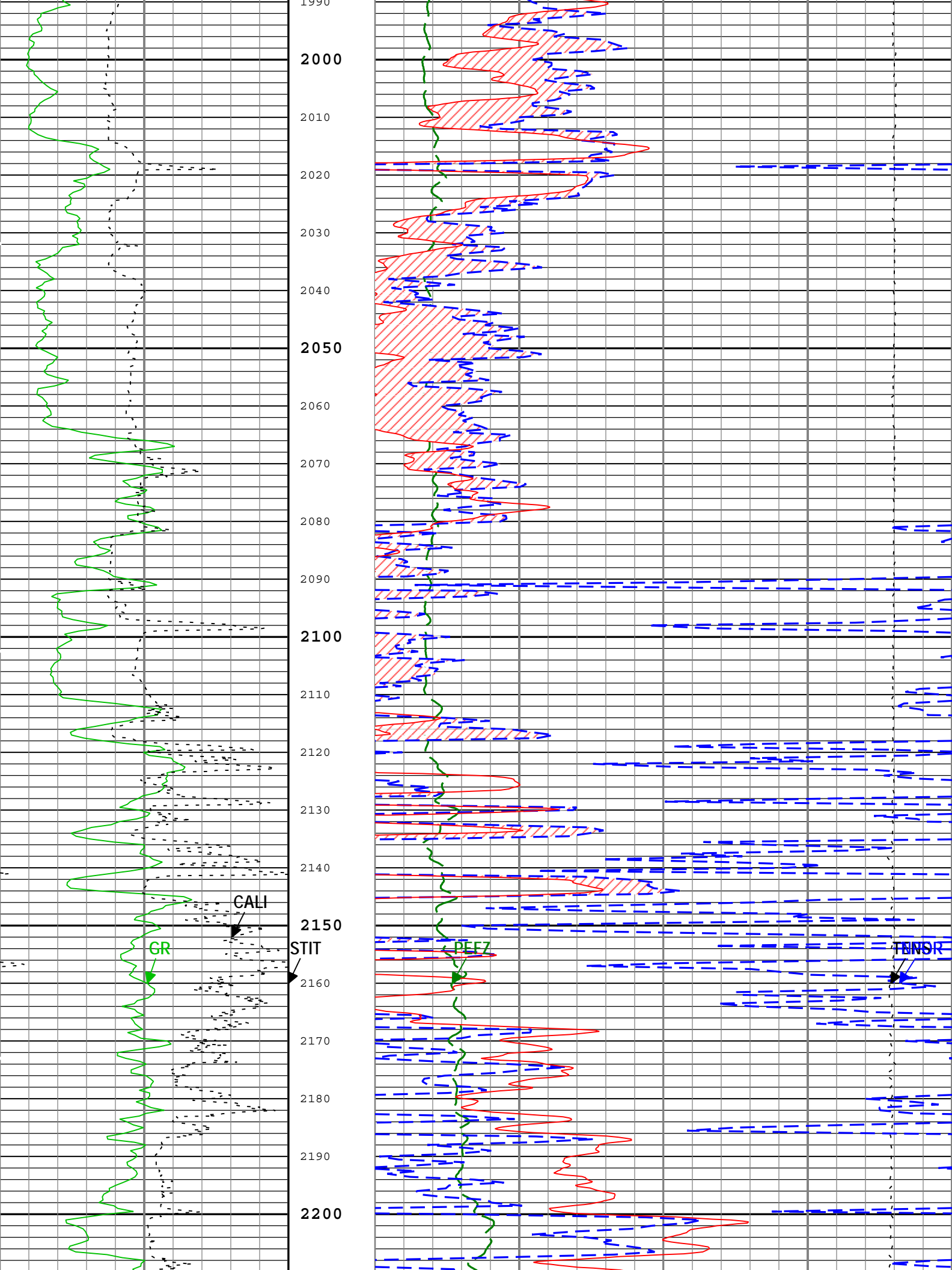


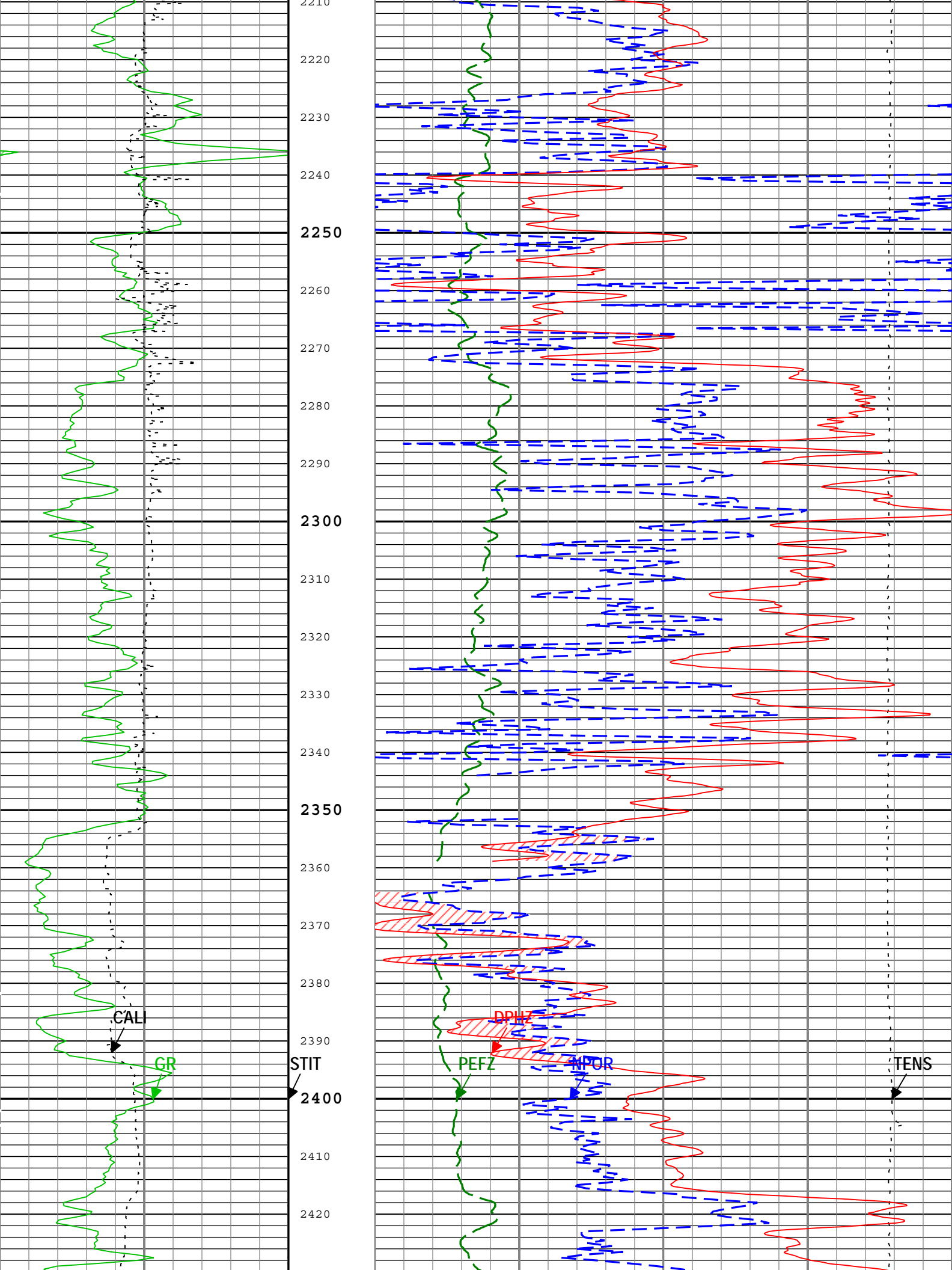


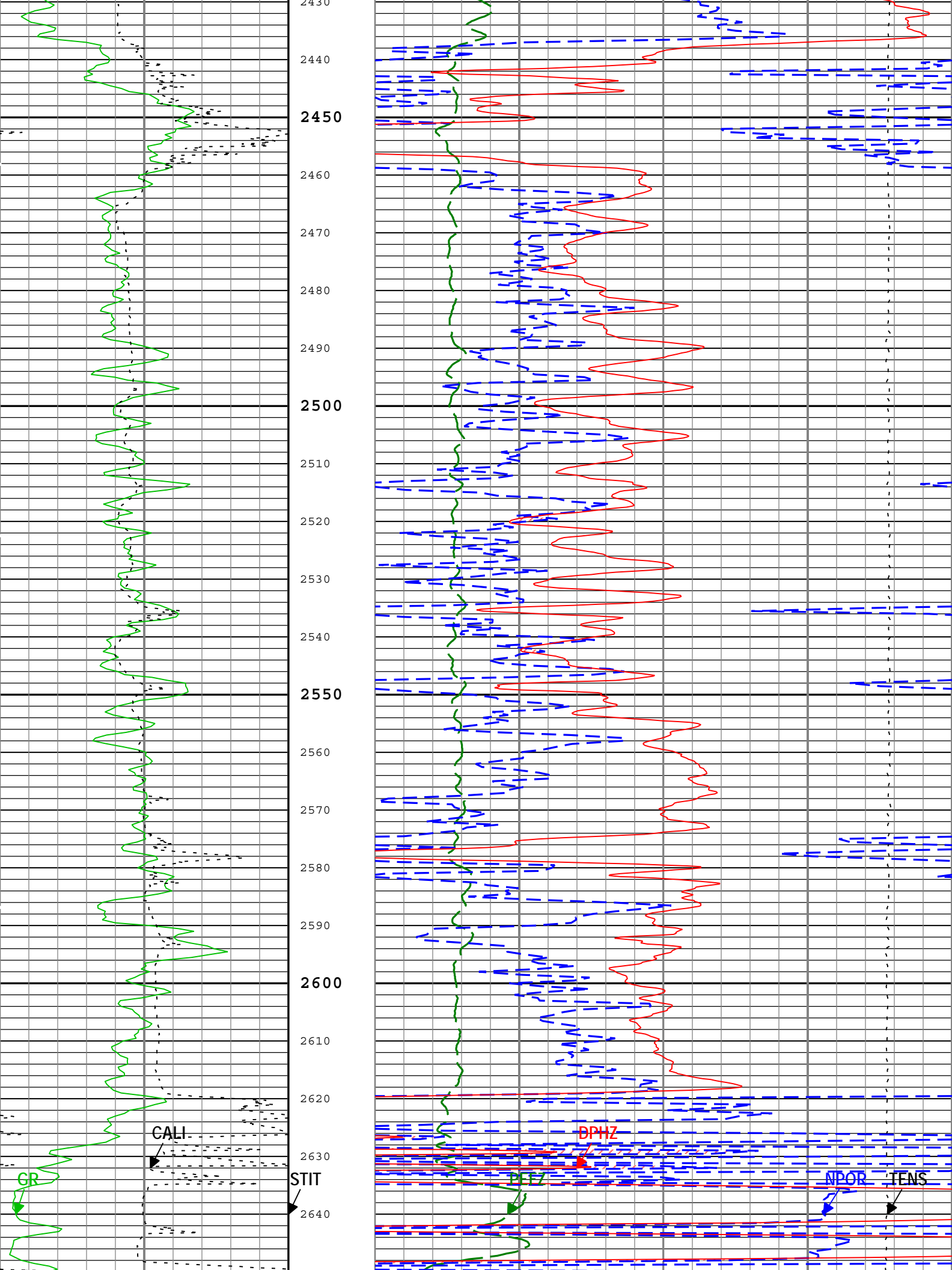


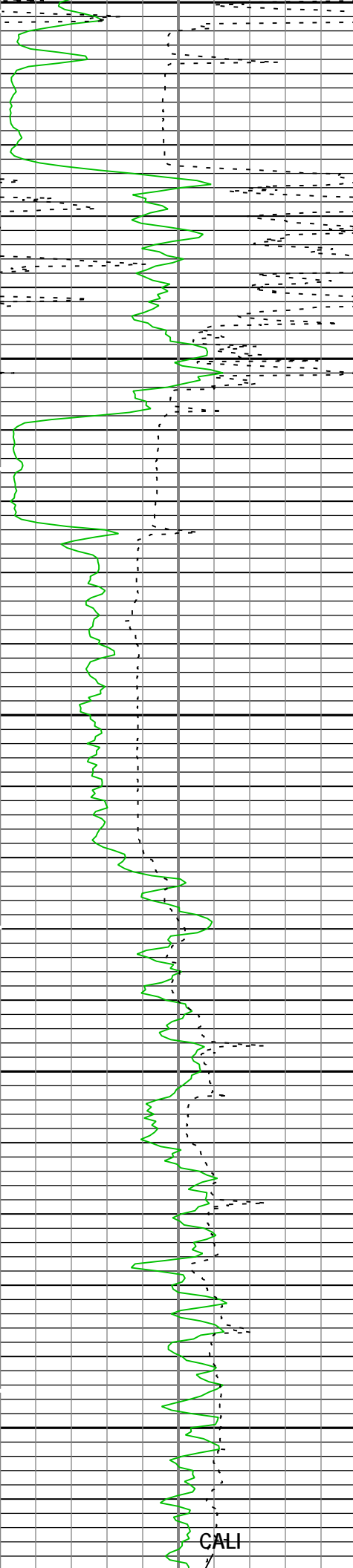
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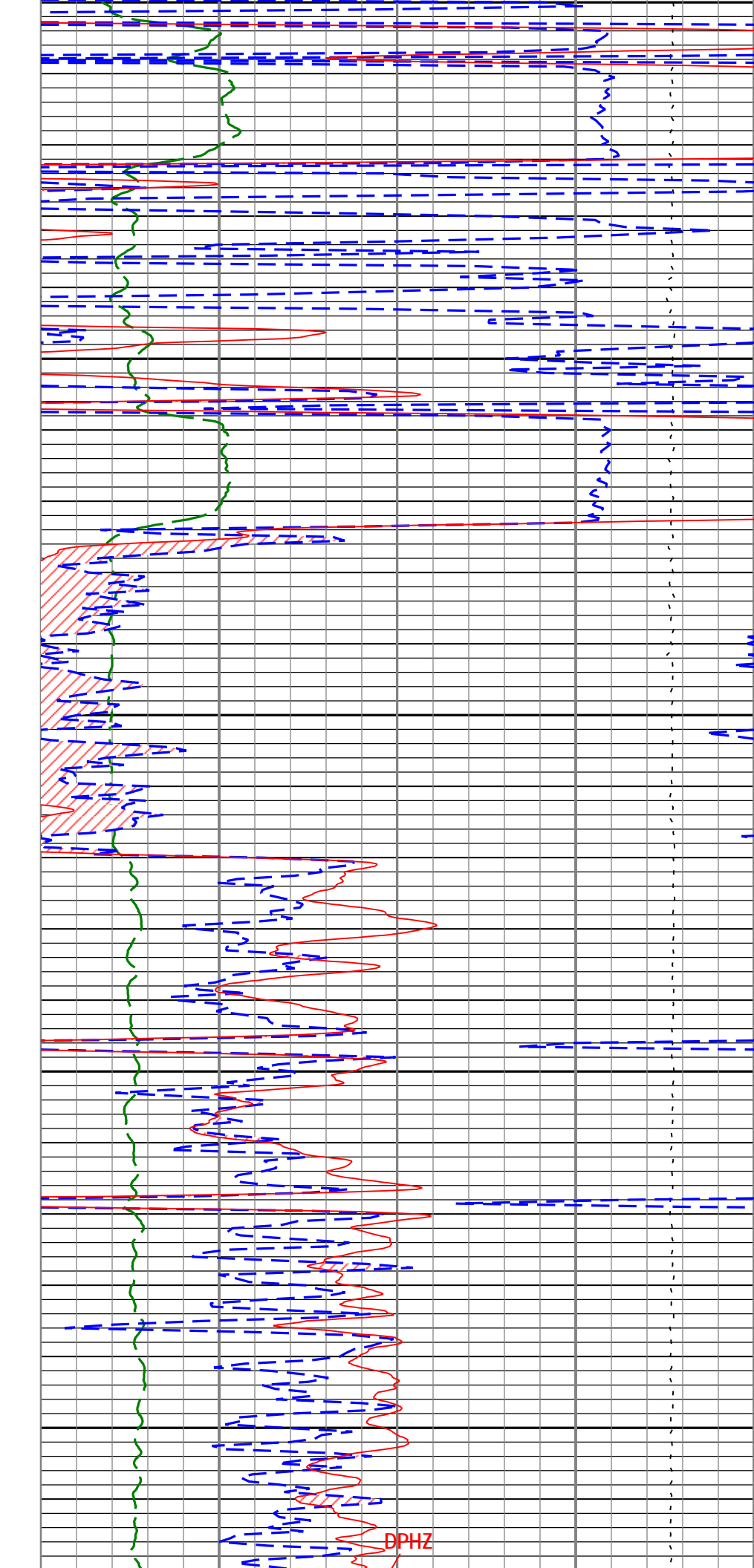






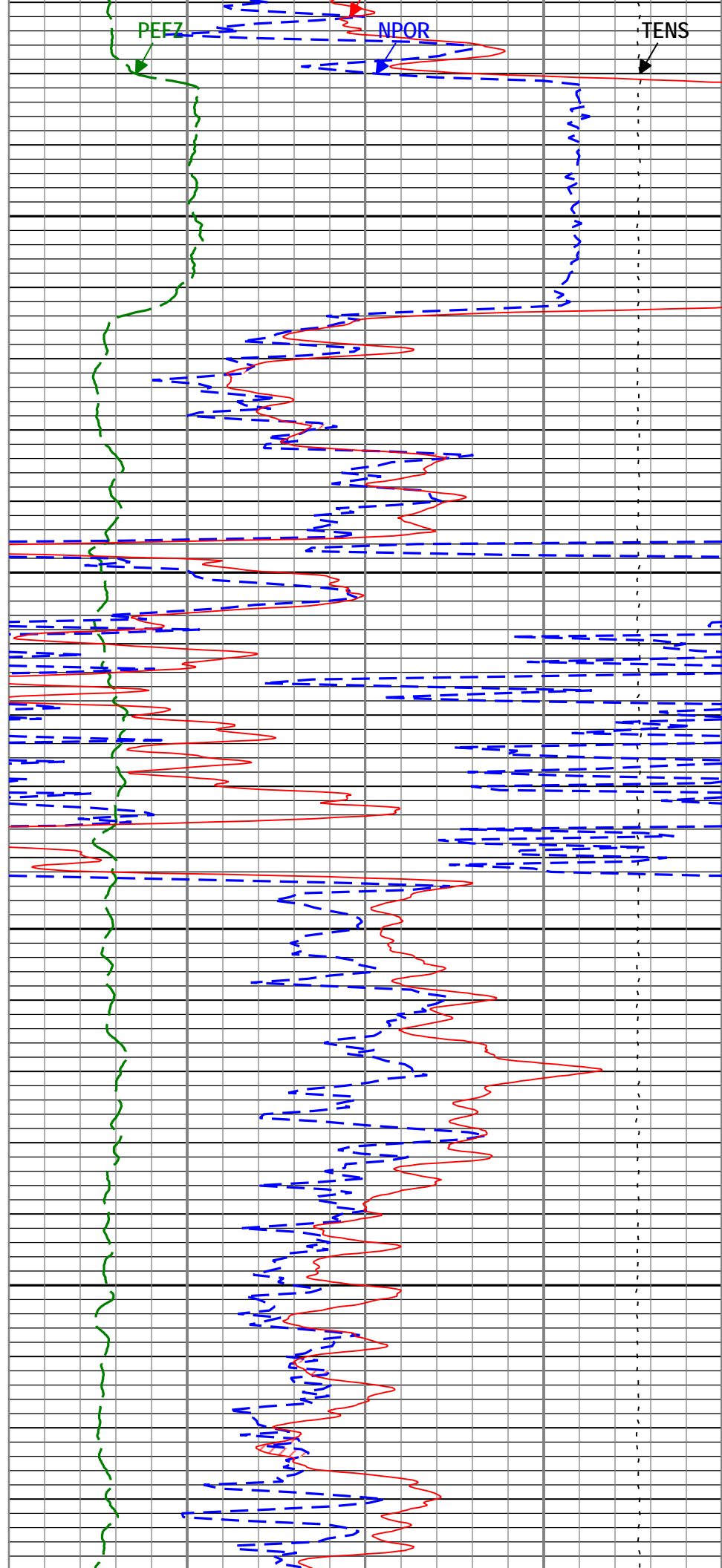
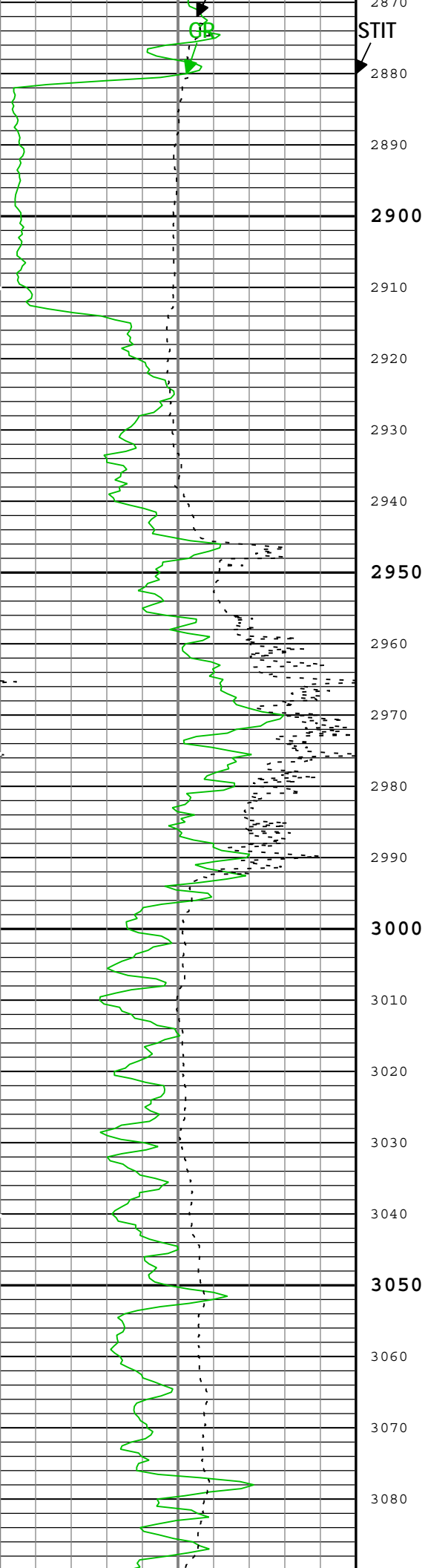


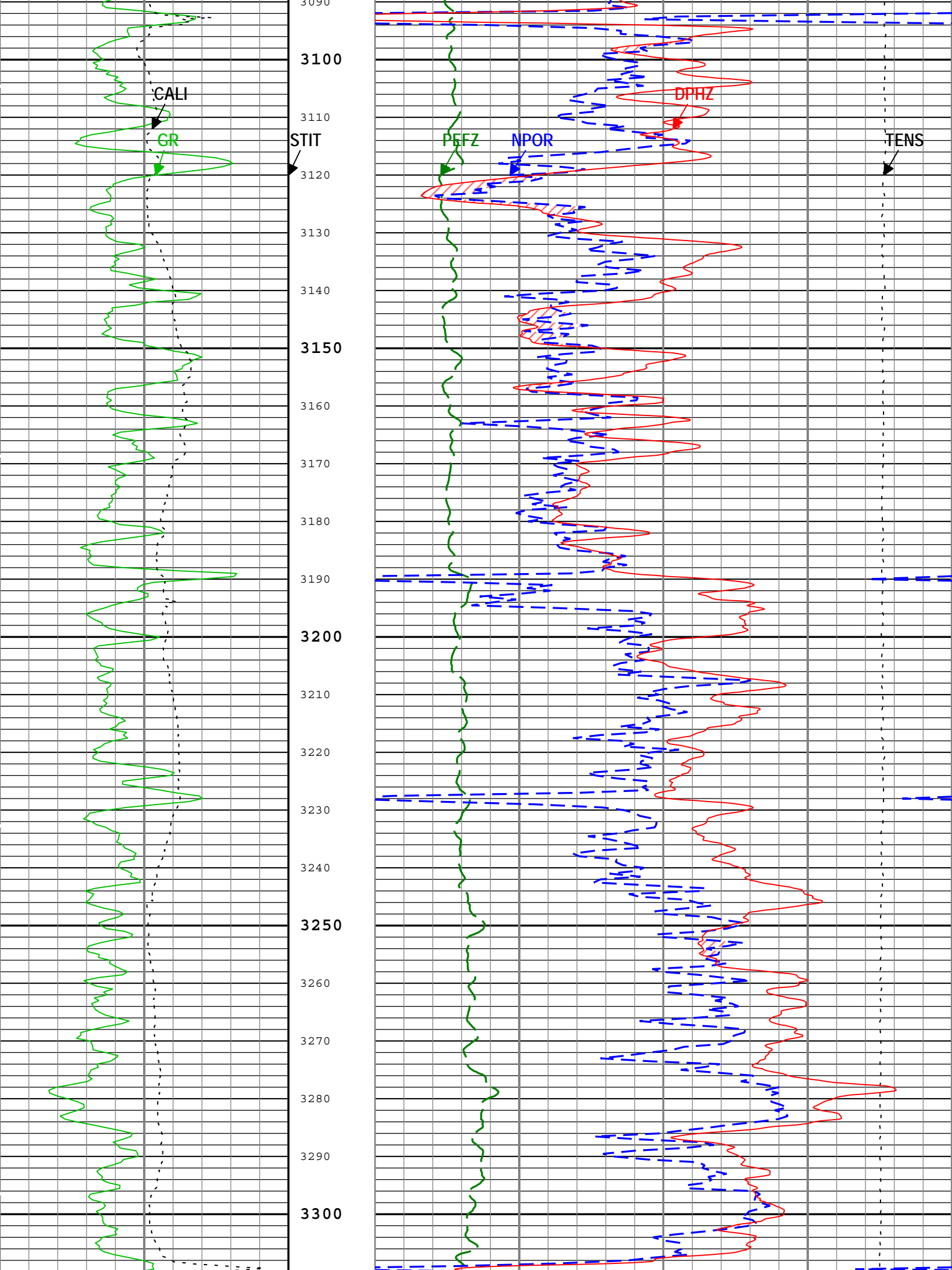
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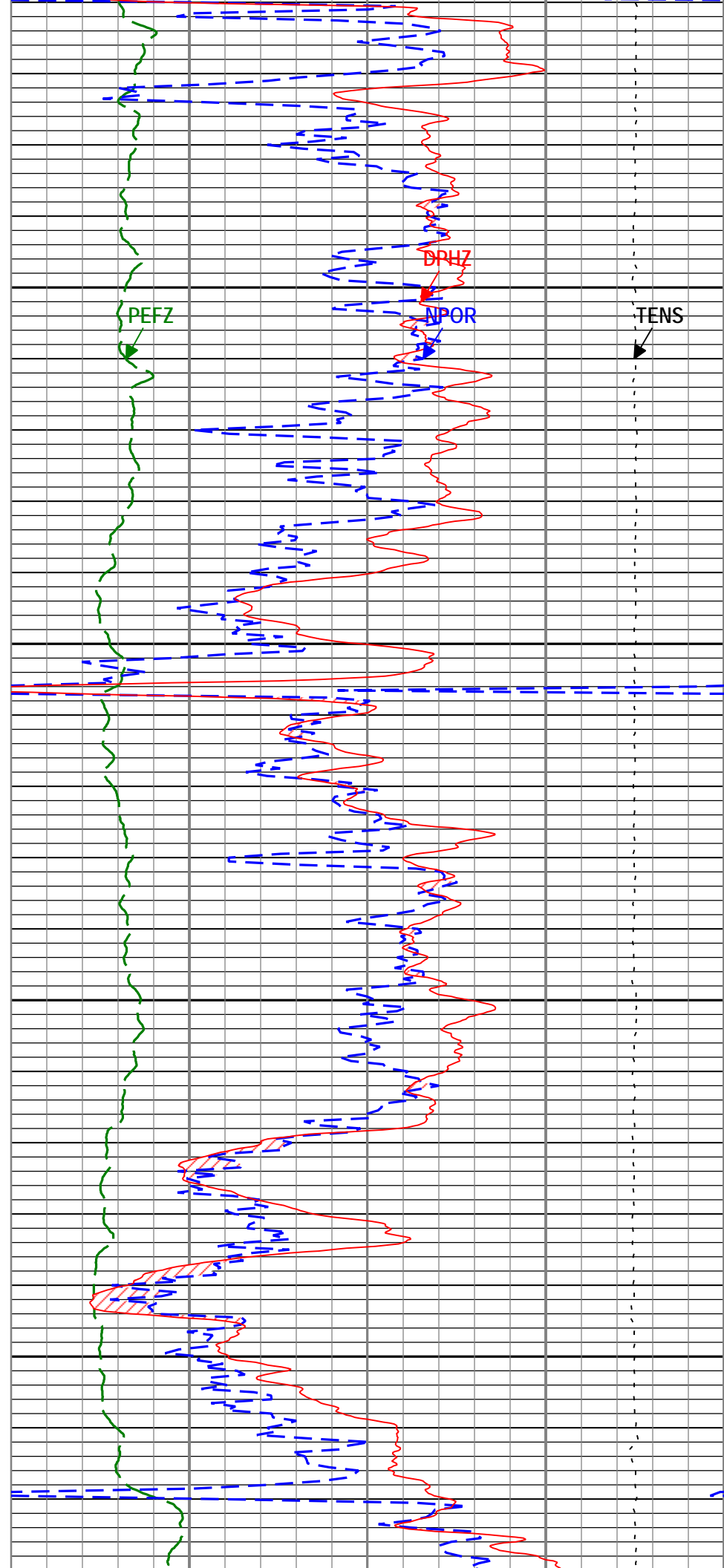
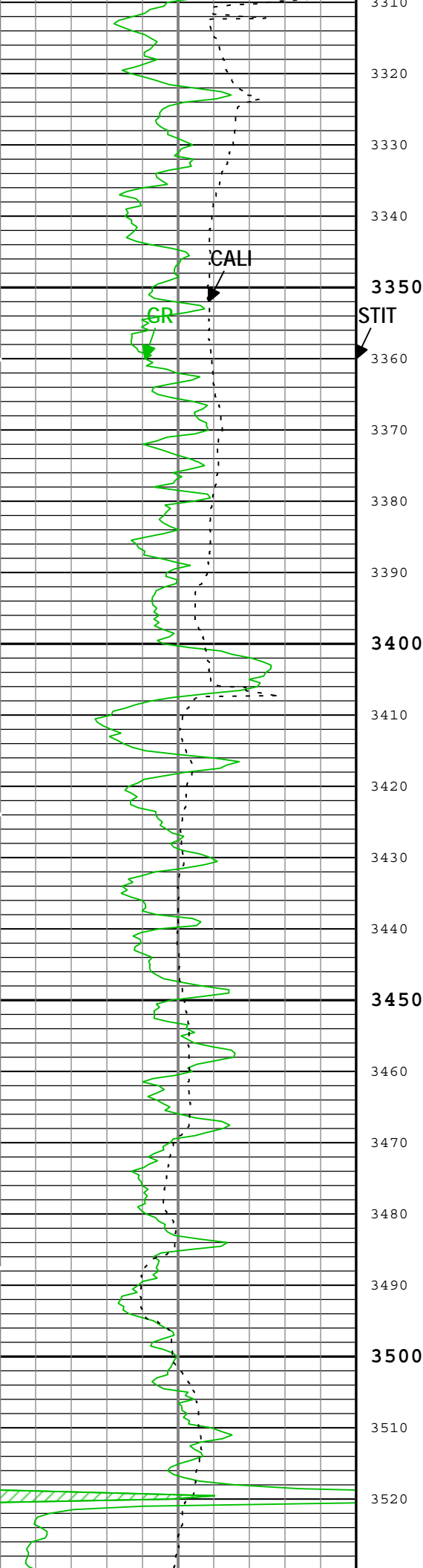


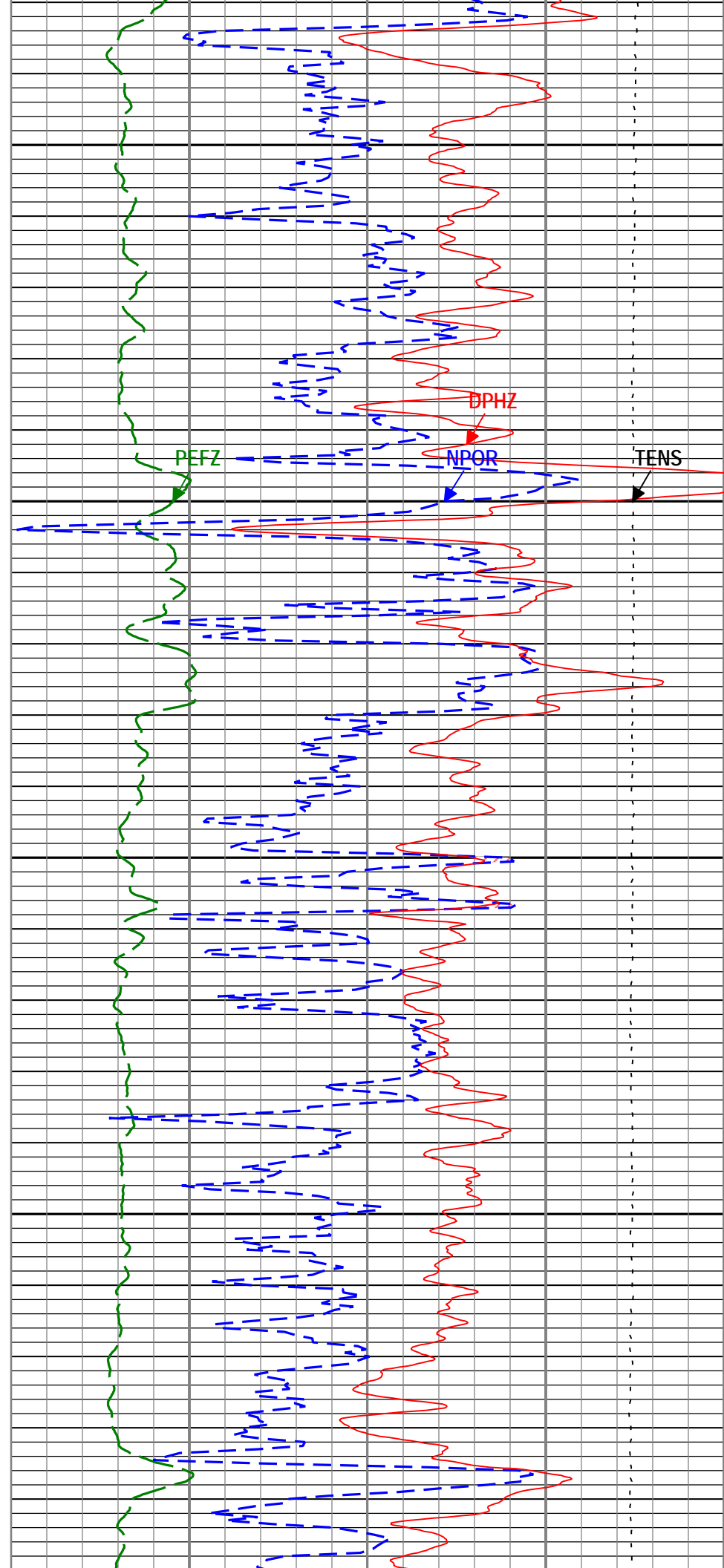
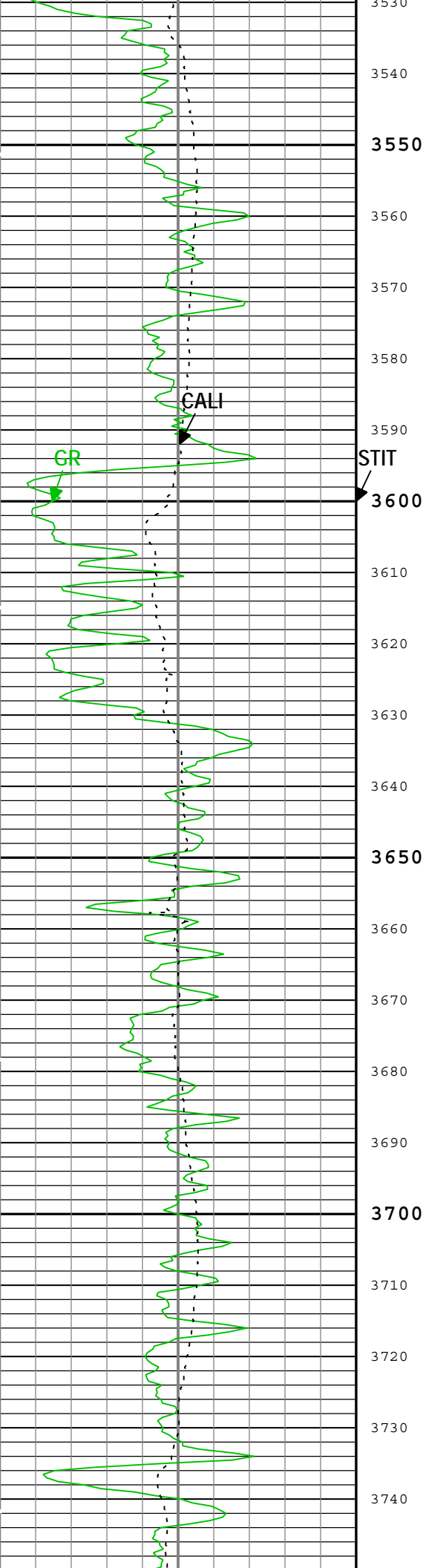
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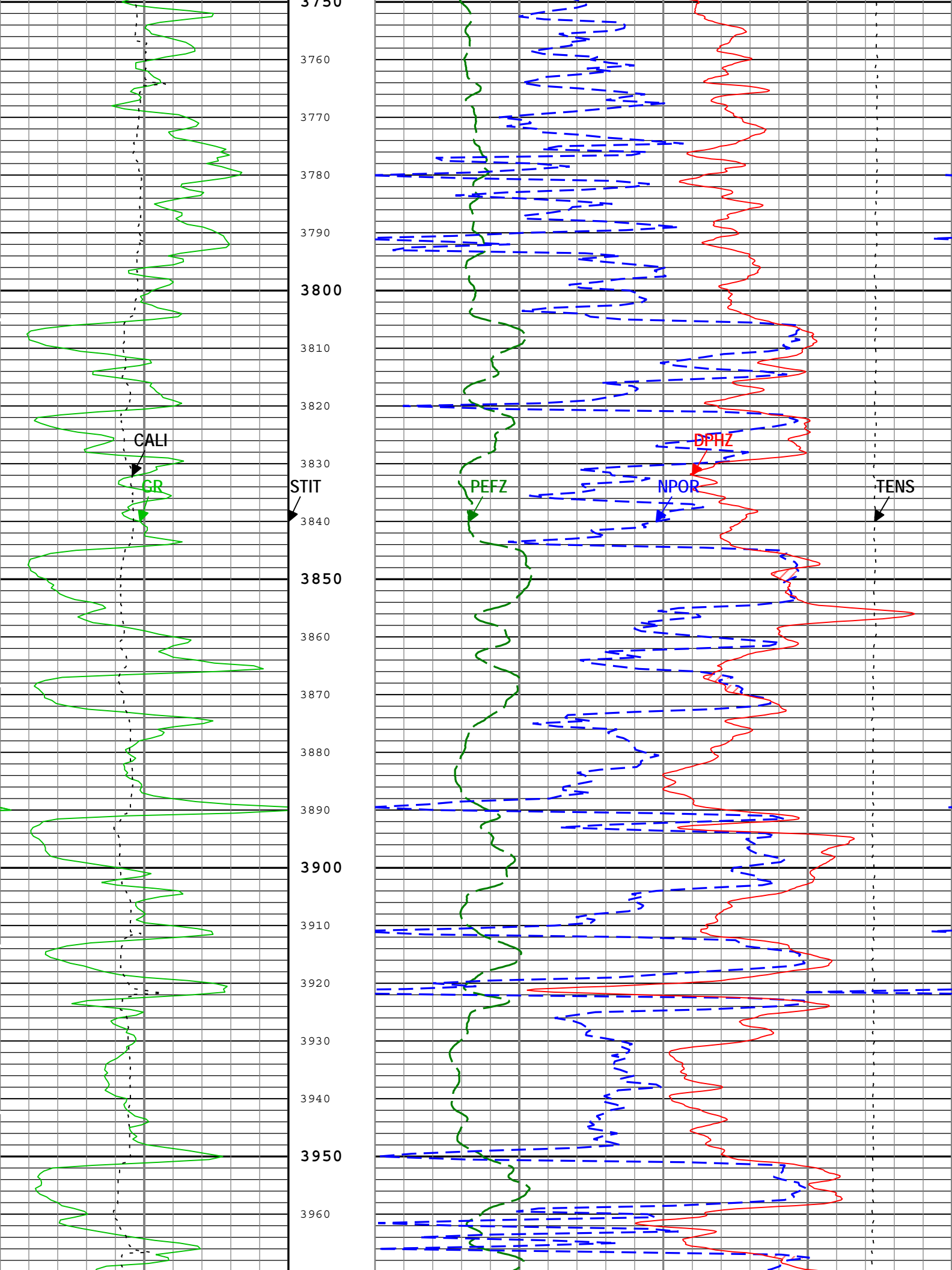
DPHZ

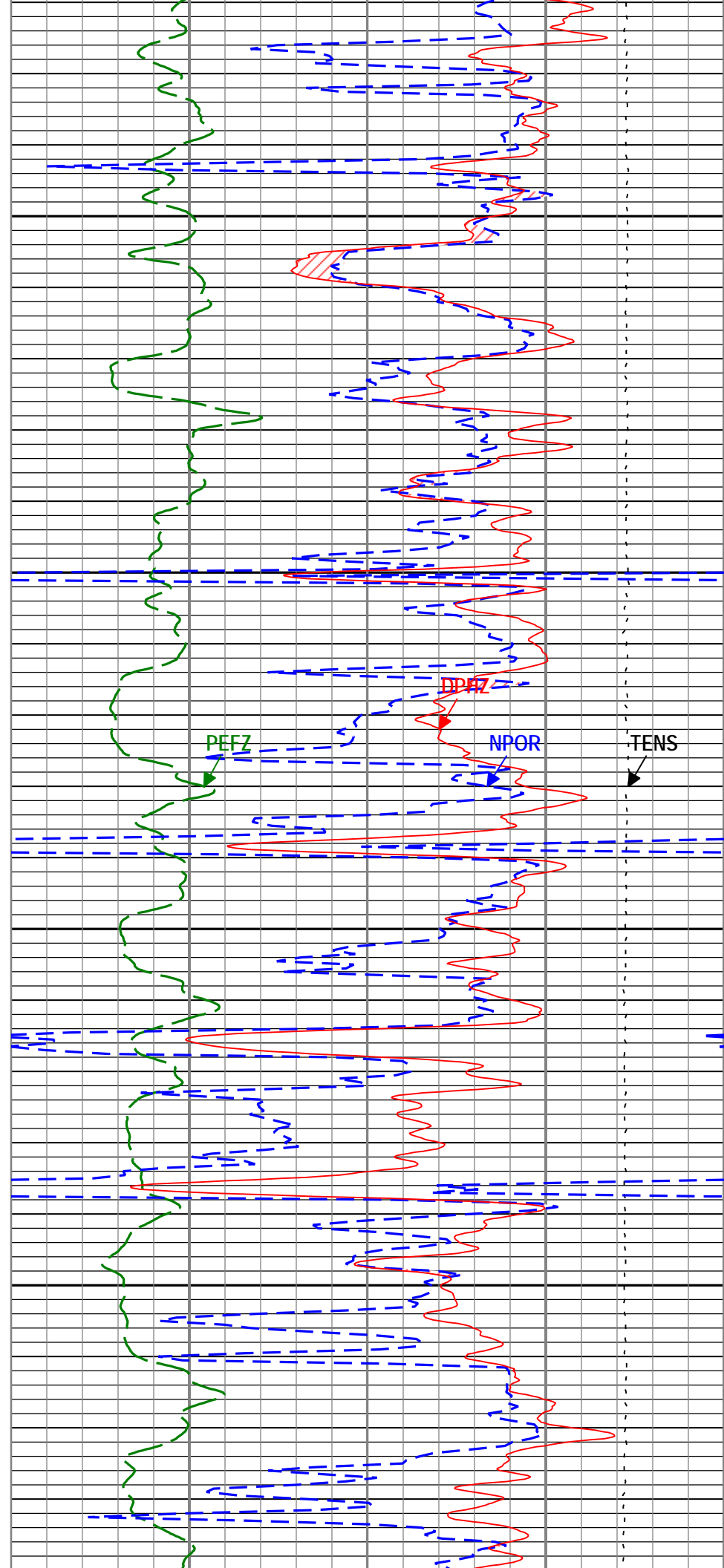
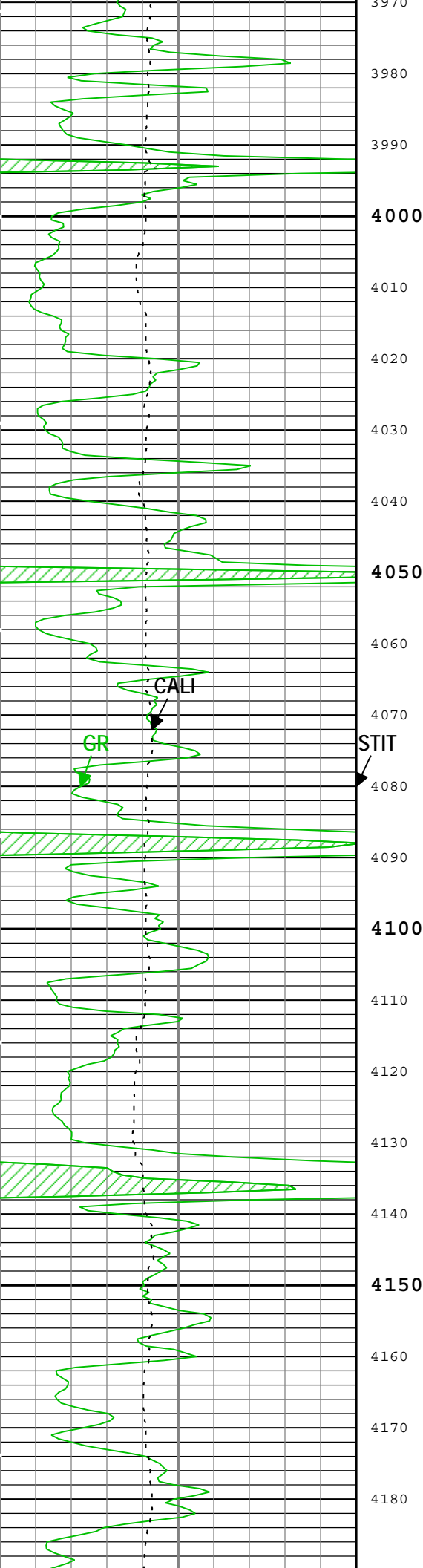


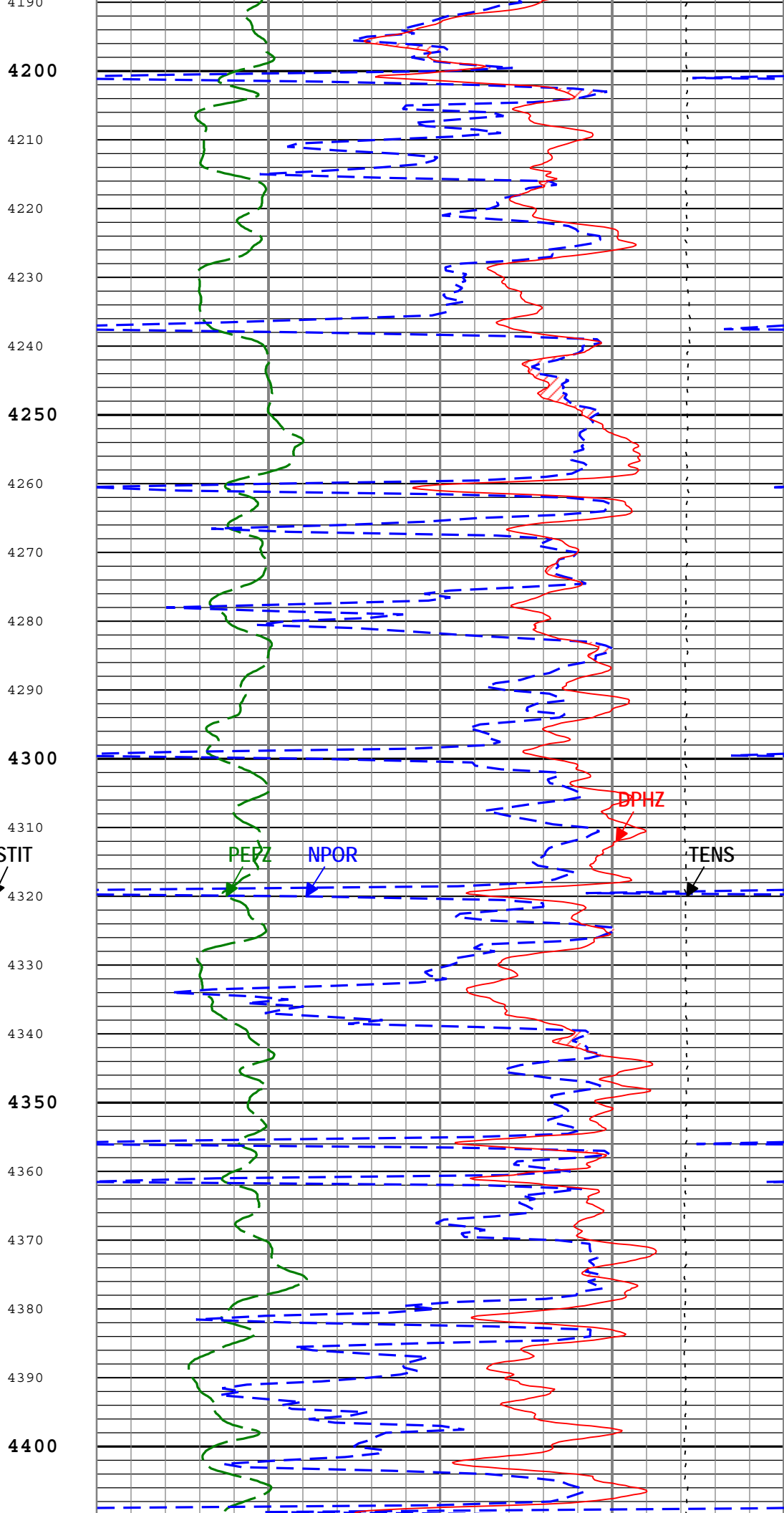
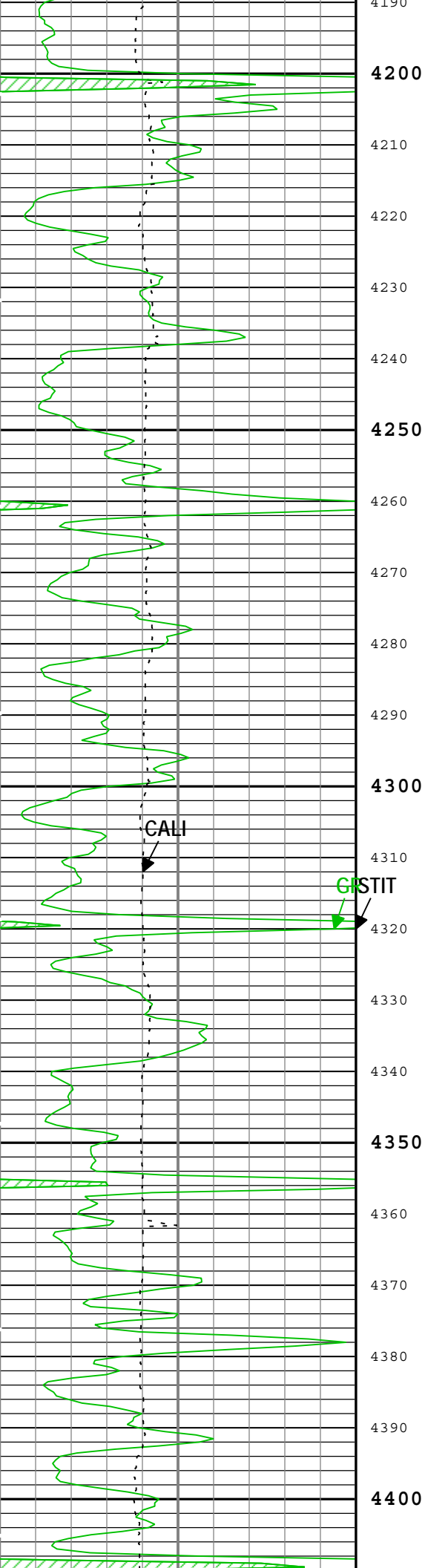


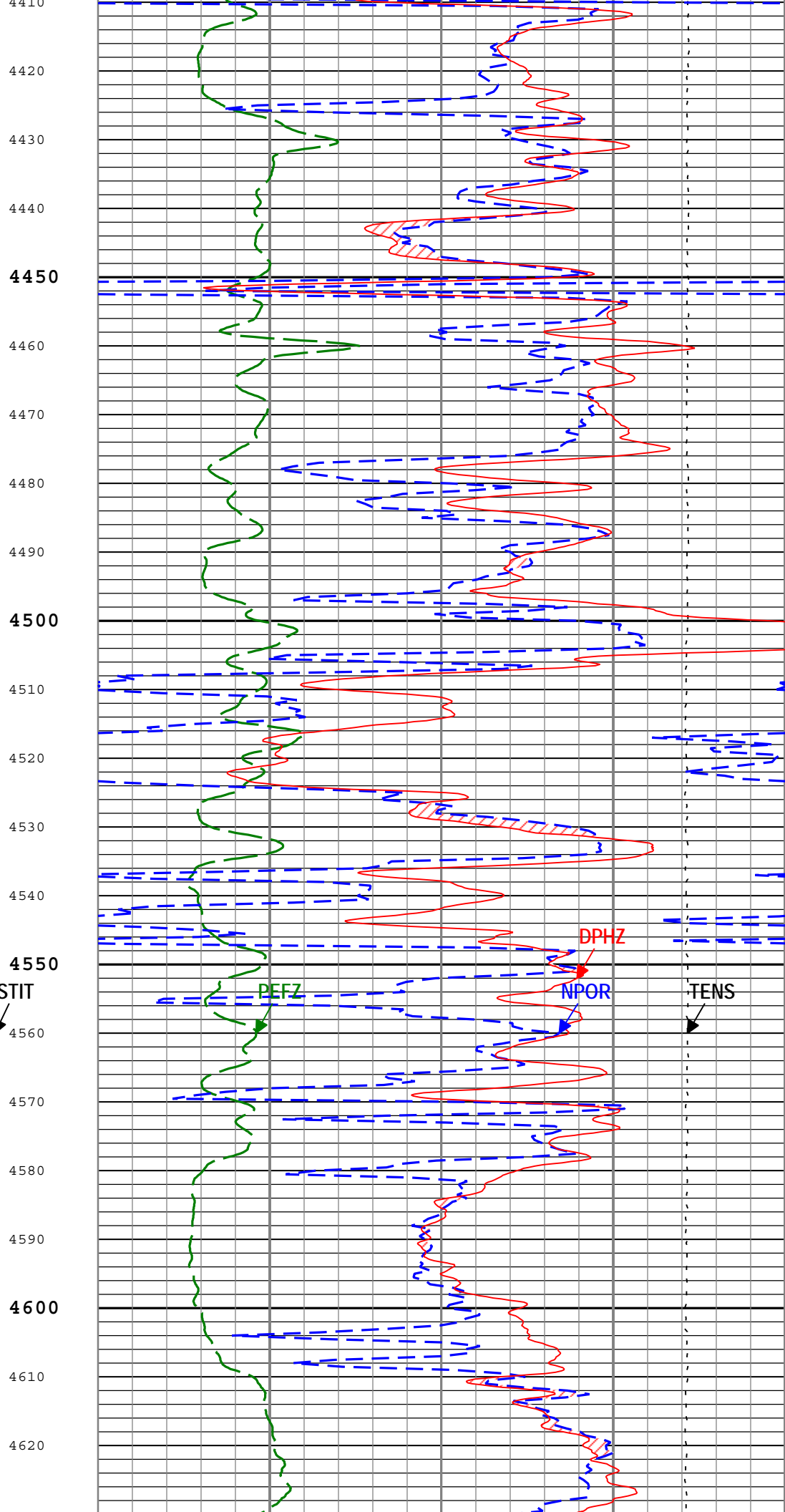
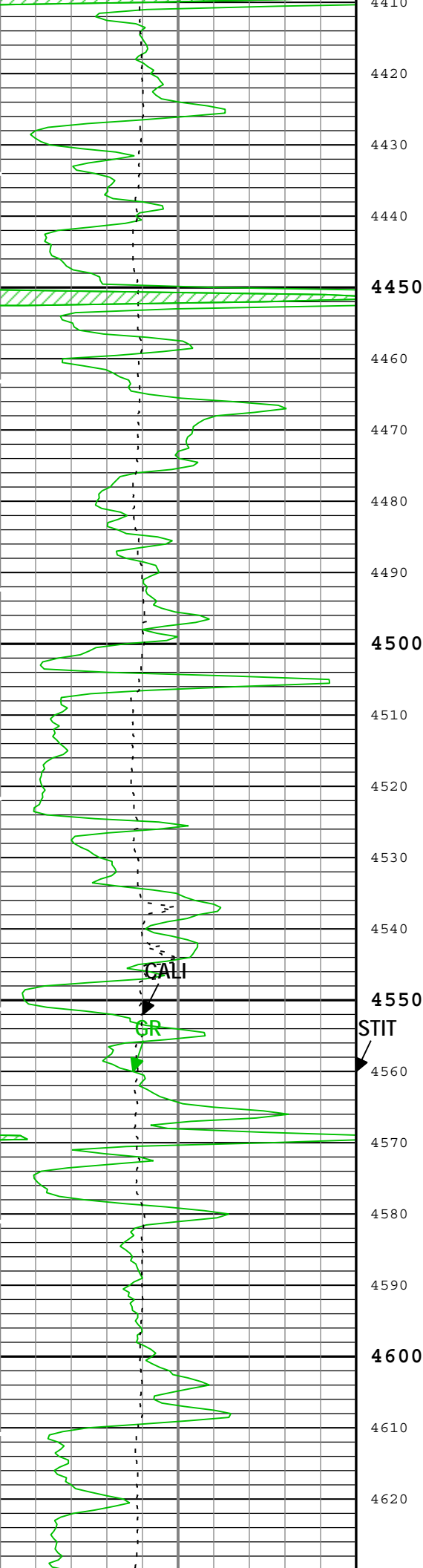


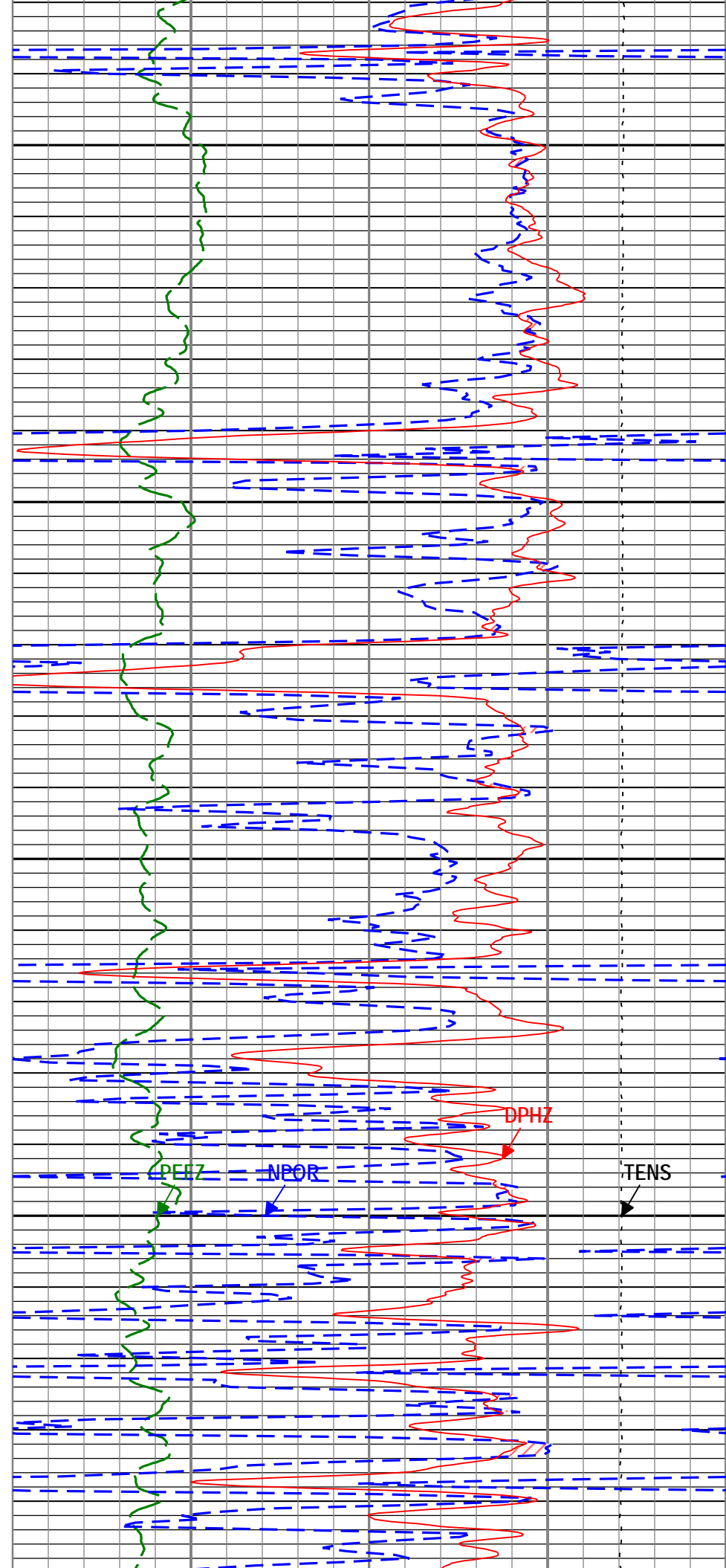
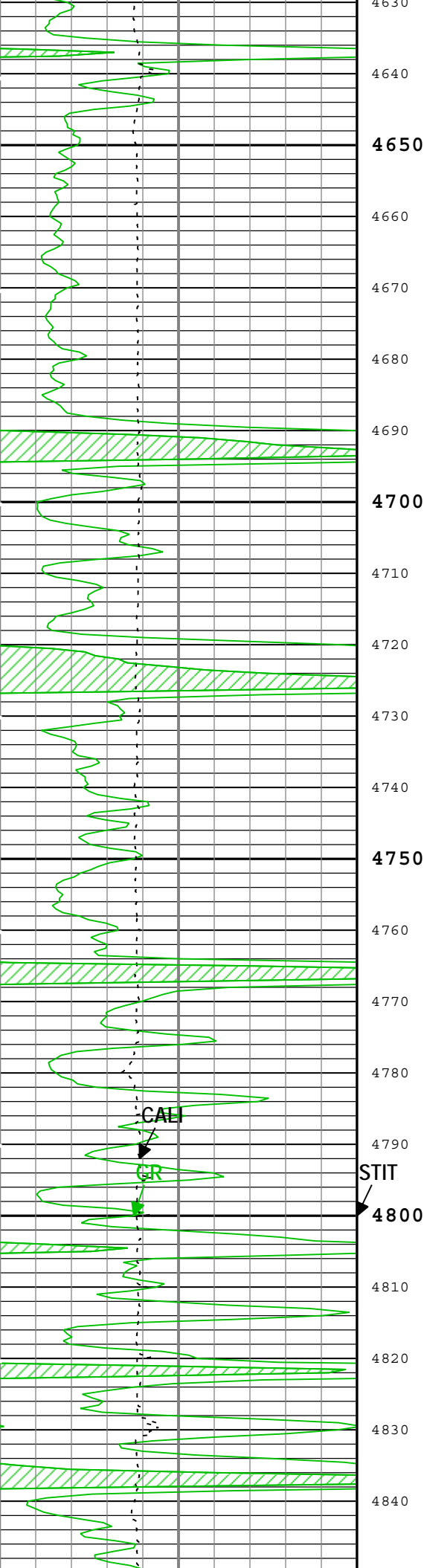


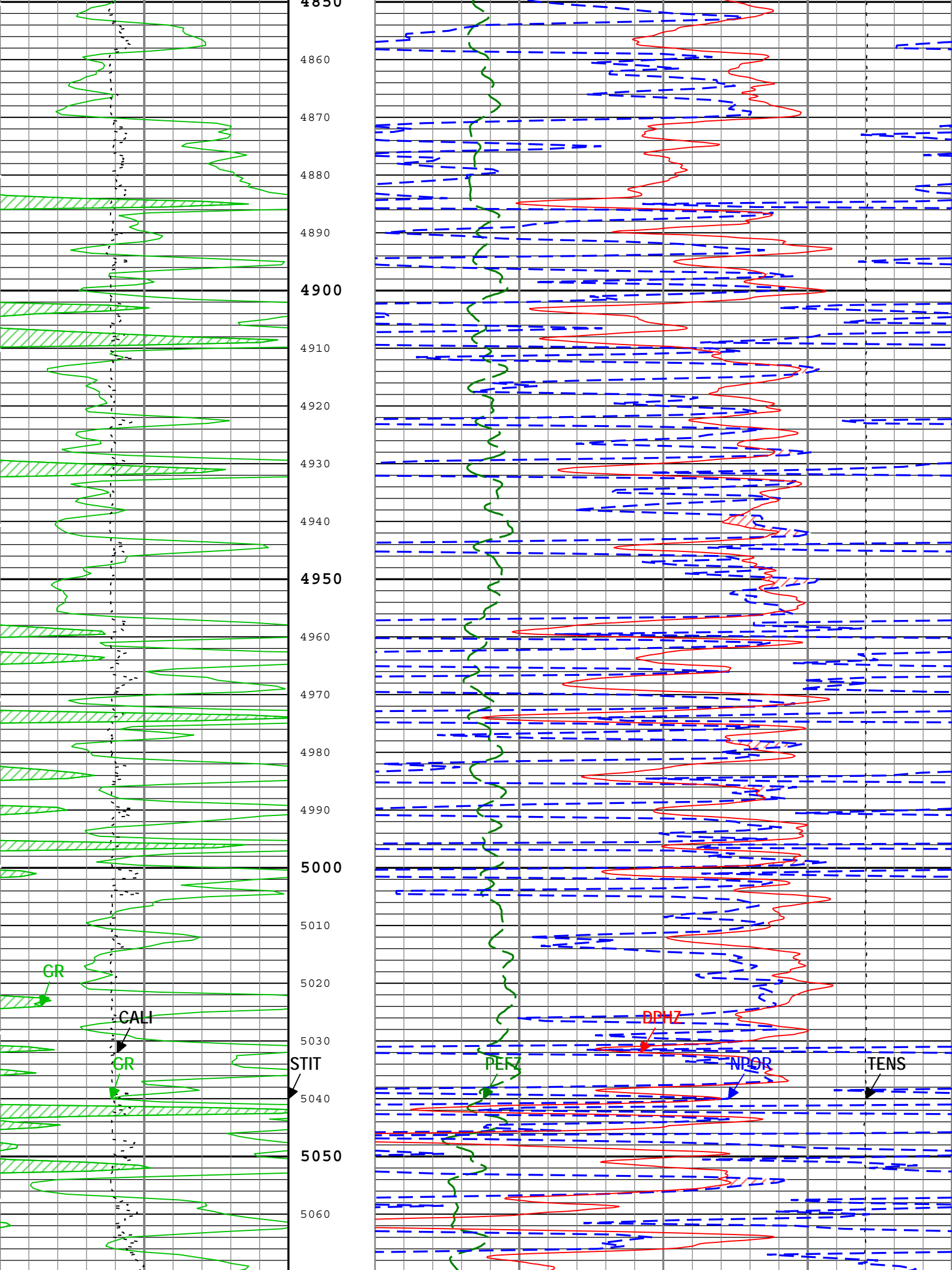


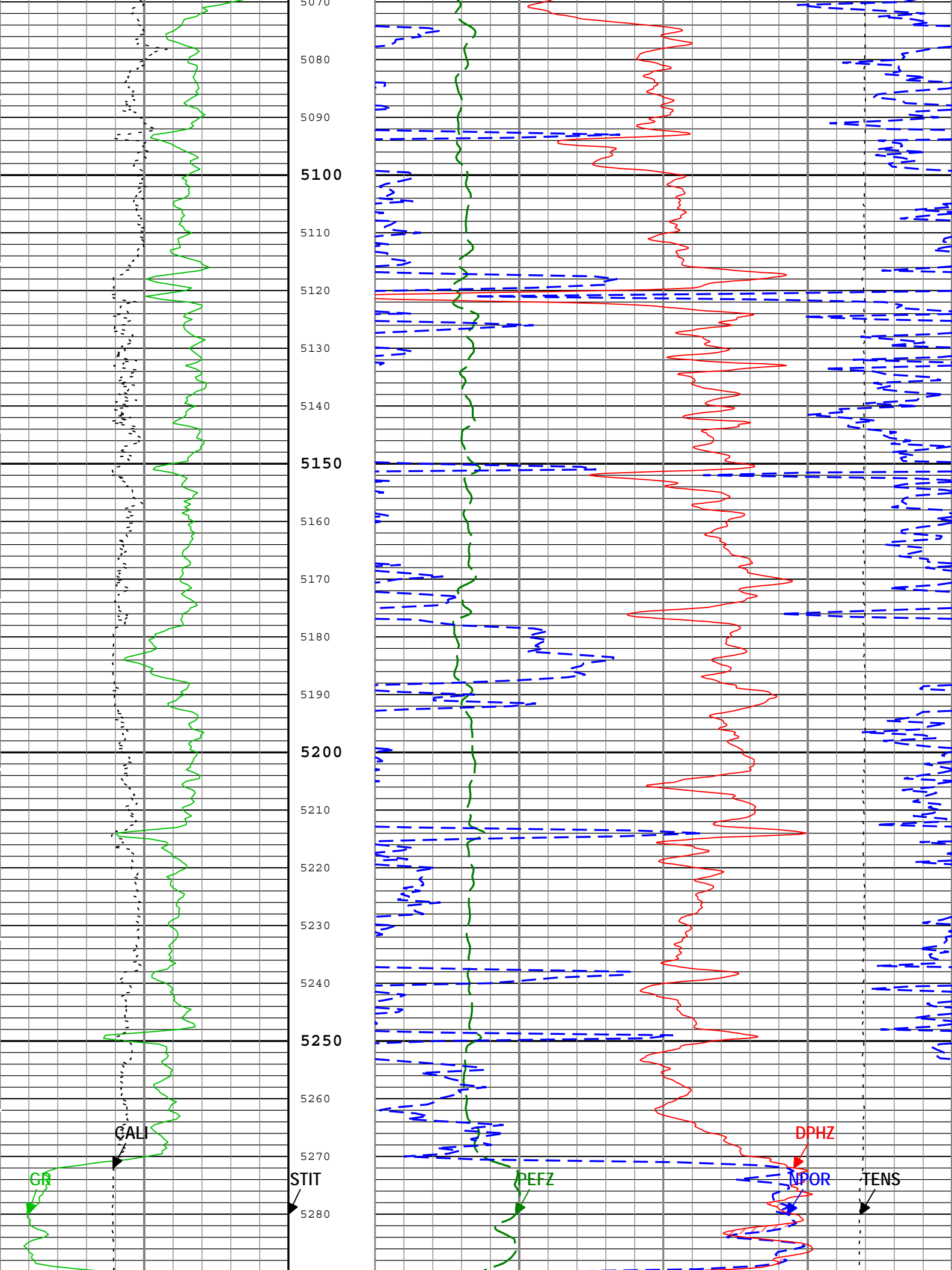


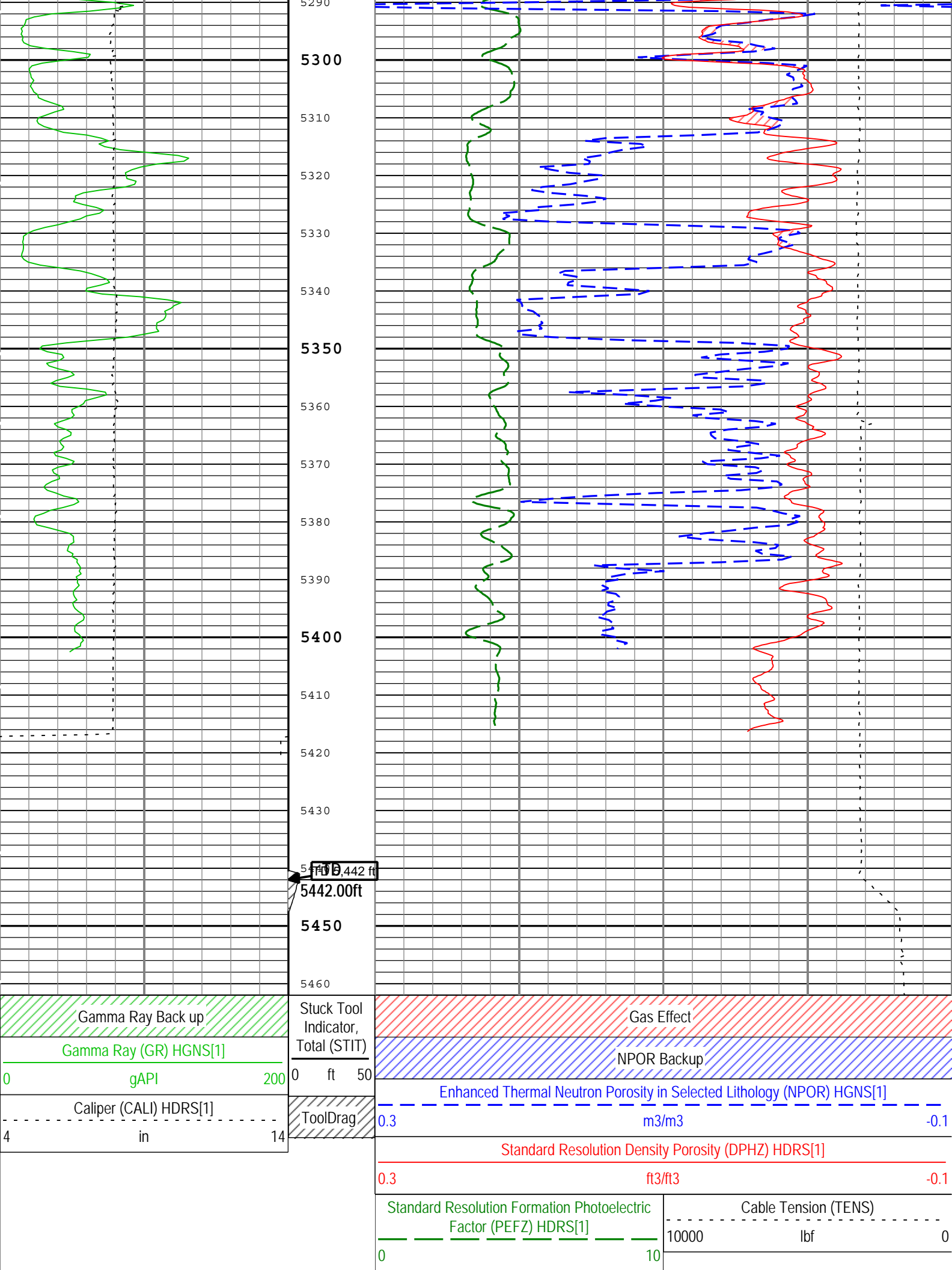












Channel Processing Parameters

Run-1: Parameters

Parameter	Description	Tool	Value	Unit
BARI	Barite Mud Presence Flag	Borehole	No	
BHS	Borehole Status (Open or Cased Hole)	Borehole	Open	
BS	Bit Size	WLSESSION	Depth Zoned	in
BSAL	Borehole Salinity	Borehole	2837.71	ppm
CALI_SHIFT	CALI Supplementary Offset	HDRS-B	0.109	in
CBLO	Casing Bottom (Logger)	WLSESSION	431	ft
CDEN	Cement Density	HGNS-B	2	g/cm3
DC_MODE	Depth Correction Mode	DepthCorrection	Real-time	
DFD	Drilling Fluid Density	Borehole	9.2	lbm/gal
DFT	Drilling Fluid Type	Borehole	Water	
DFT_WATER	Drilling Fluid Water Type	Borehole	Gel Chemical	
DHC	Density Hole Correction	HDRS-B	Bit Size	
FD	Fluid Density	Borehole	1	g/cm3
FSAL	Formation Salinity	Borehole	0	ppm
GCSE_DOWN_PASS	Generalized Caliper Selection for WL Log Down Passes	Borehole	BS	
GCSE_UP_PASS	Generalized Caliper Selection for WL Log Up Passes	Borehole	CALI	
GRSE	Generalized Mud Resistivity Selection, from Measured or Computed Mud Resistivity	Borehole	AMF	
GTSE	Generalized Temperature Selection, from Measured or Computed Temperature	Borehole	CTEM	
HSCO	Hole Size Correction Option	HGNS-B	Yes	
MATR	Rock Matrix for Neutron Porosity Corrections	Borehole	LIMESTONE	
MDEN	Matrix Density for Density Porosity	Borehole	2.71	g/cm3
MFST	Mud Filtrate Sample Temperature	Borehole	51.6	degF
NPRM	HRDD Nuclear Processing Mode	HDRS-B	High Resolution	
RMFS	Resistivity of Mud Filtrate Sample	Borehole	1.94	ohm.m
SOCO	Standoff Correction Option	HGNS-B	Yes	
TD	Total Measured Depth	Borehole	5442	ft

Run-1Depth Zoned Parameters

Parameter	Value	Start (ft)	Stop (ft)
BS	0	400	434
BS	7.875	434	5462

All depth are actual.

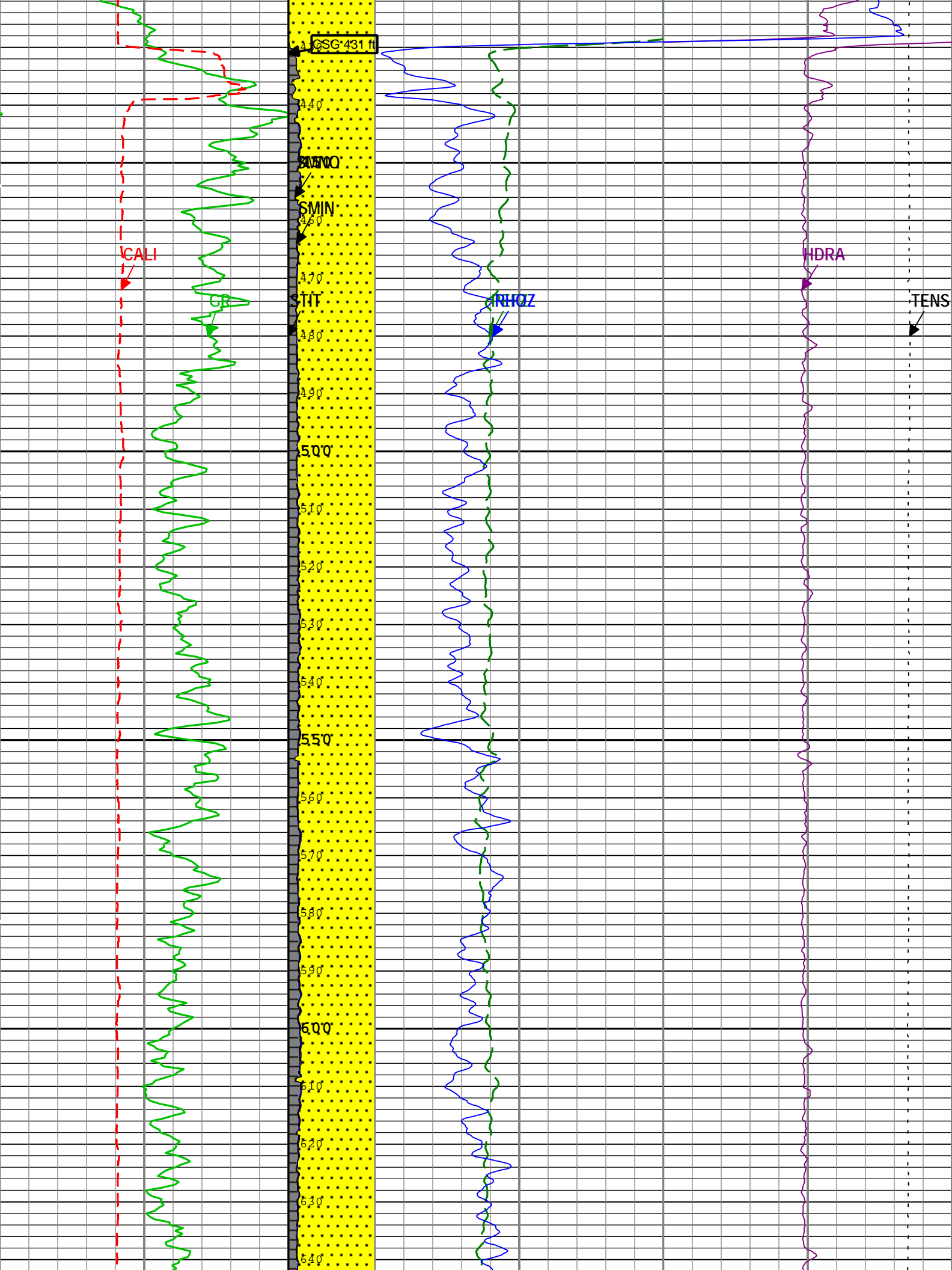
Tool Control Parameters

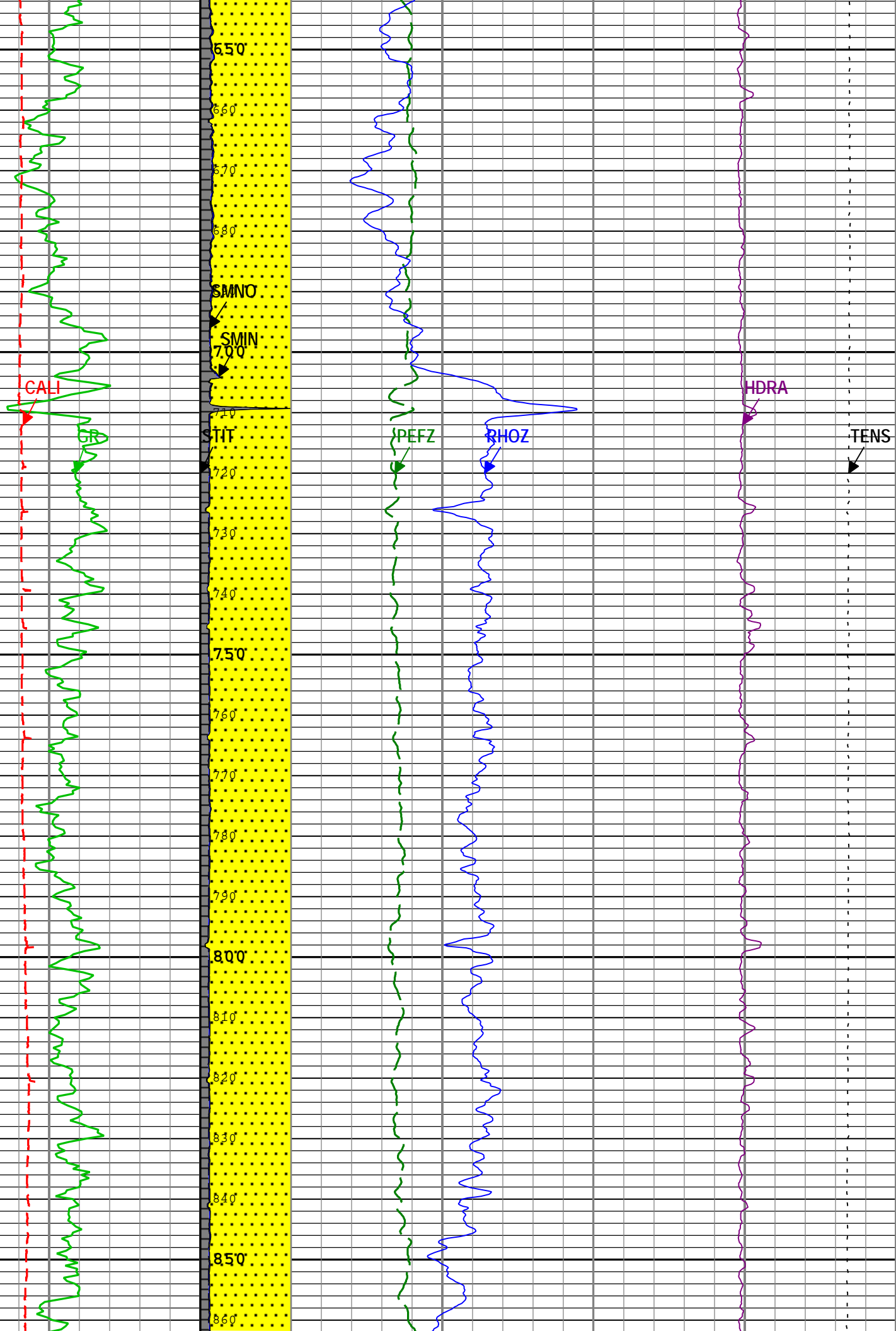
Run-1: Parameters

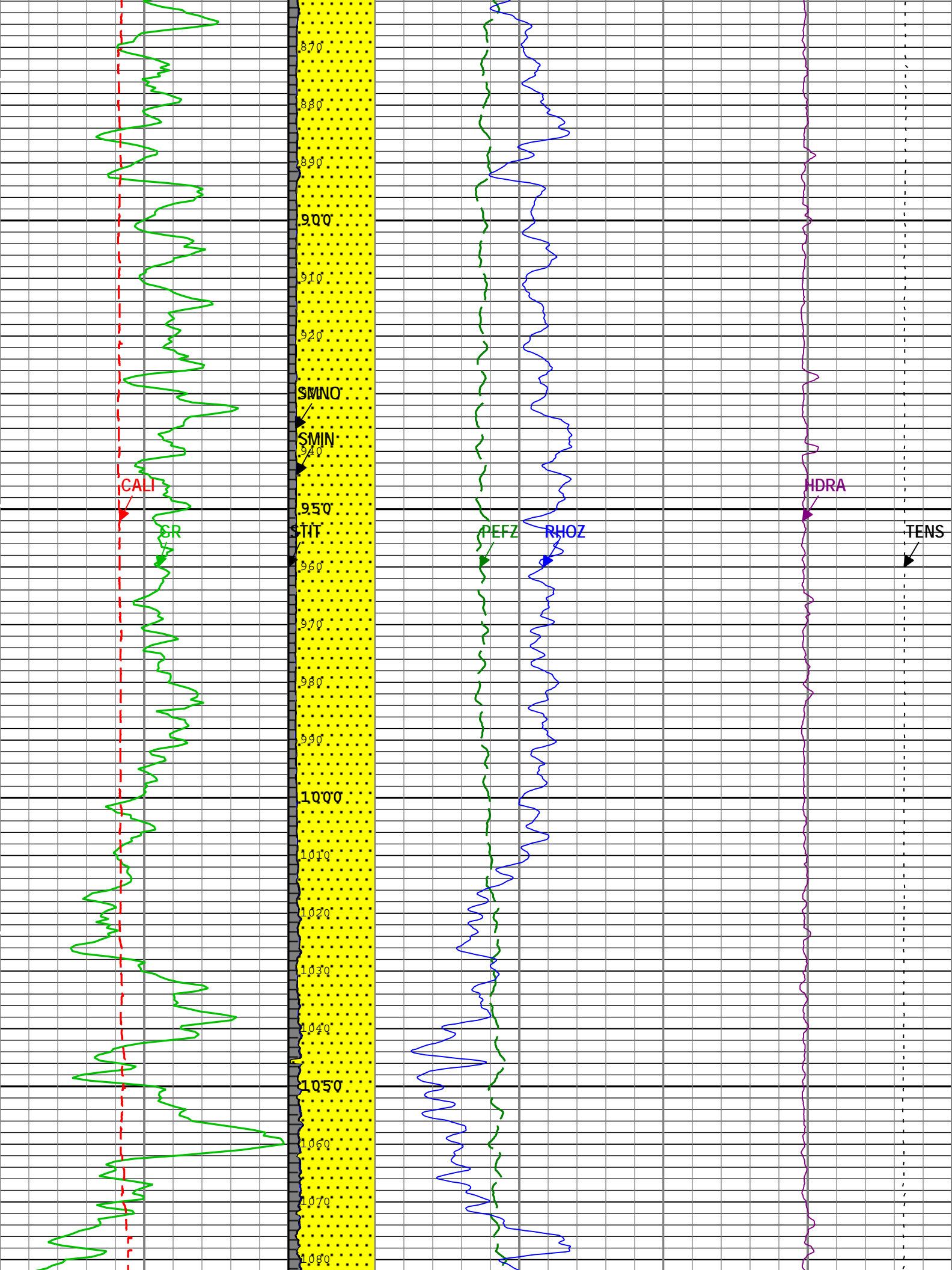
Parameter	Description	Tool	Value	Unit
HMCA_BRD_TYPE	HMCA Board Type	HGNS-B	0	
HRGD_BRD_TYPE	HRGD Board Type	HDRS-B	WITHOUT_HET	
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	1800	ft/h
STSO_HRDD	Temperature Source for the Density Algorithm	HDRS-B	Decaytime algorithm	

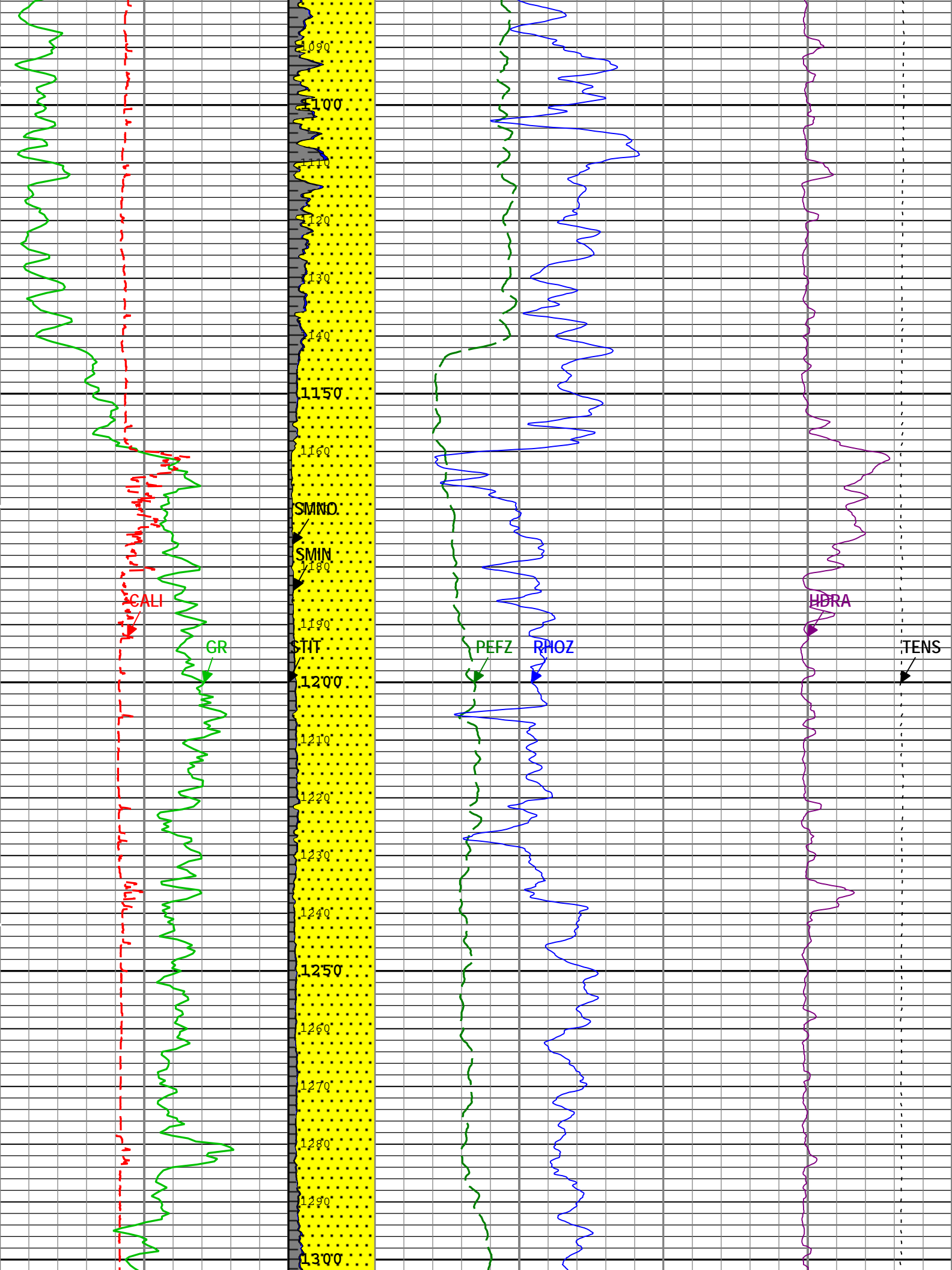
Composite 1

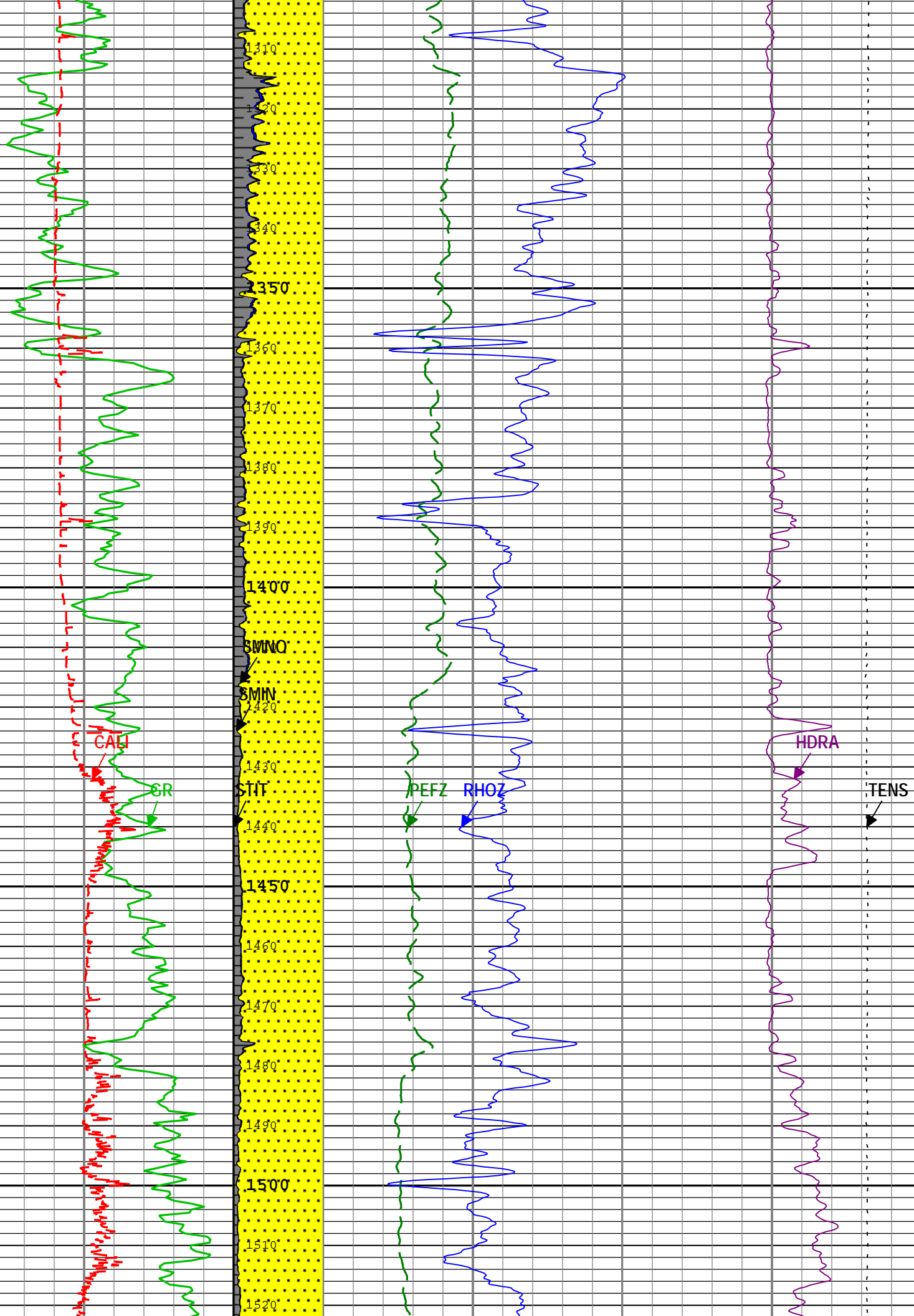
5" Density

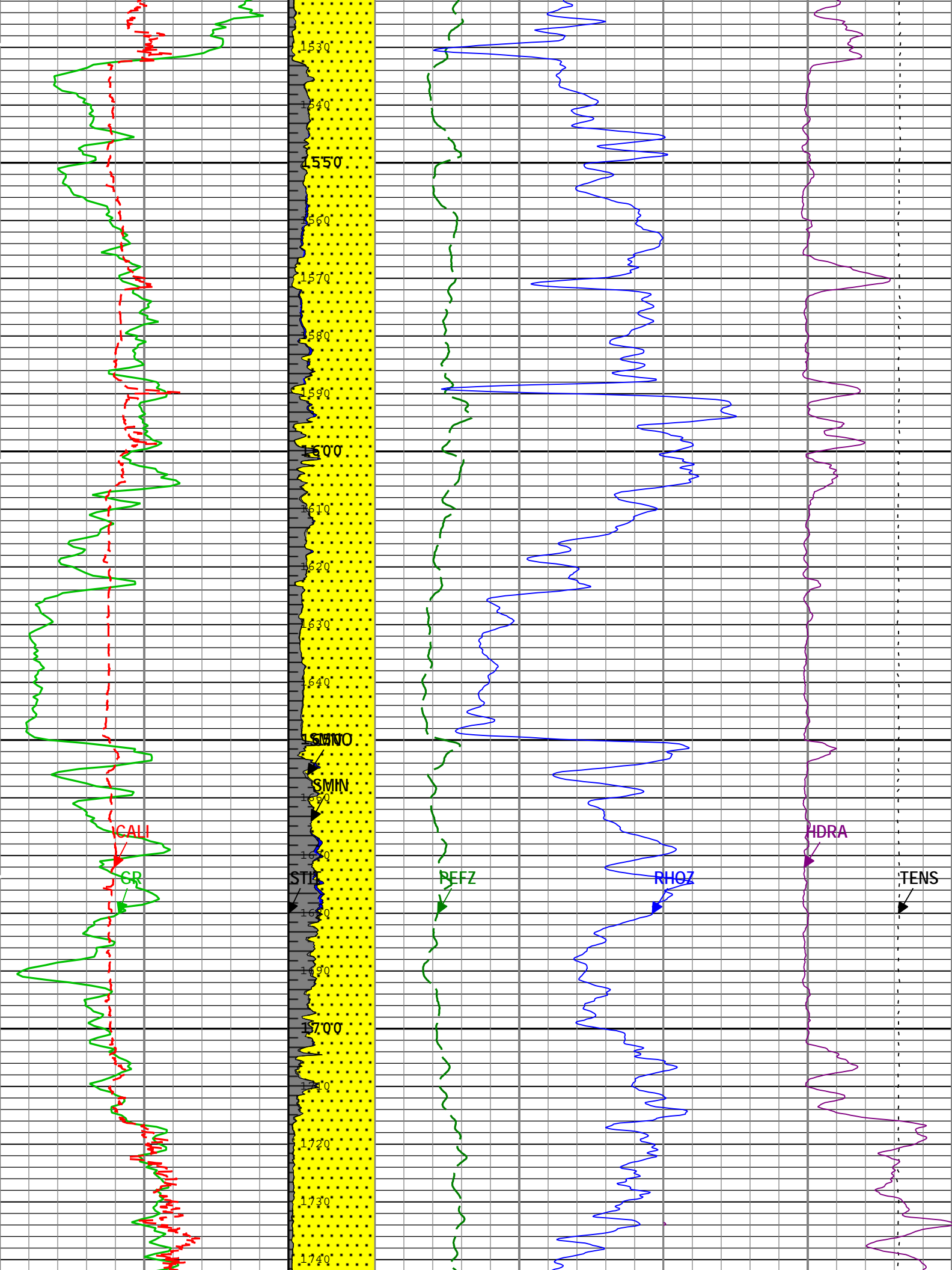


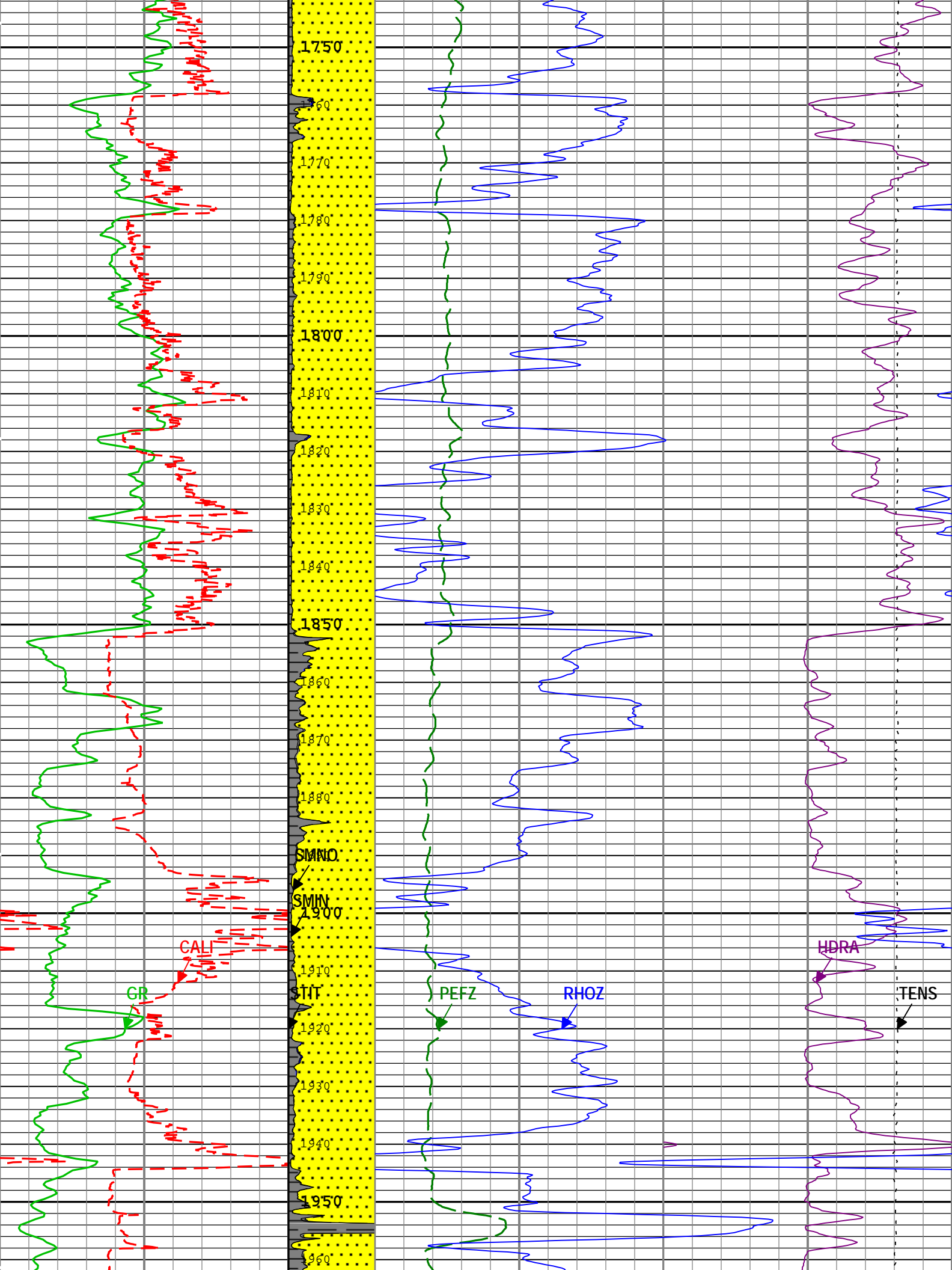


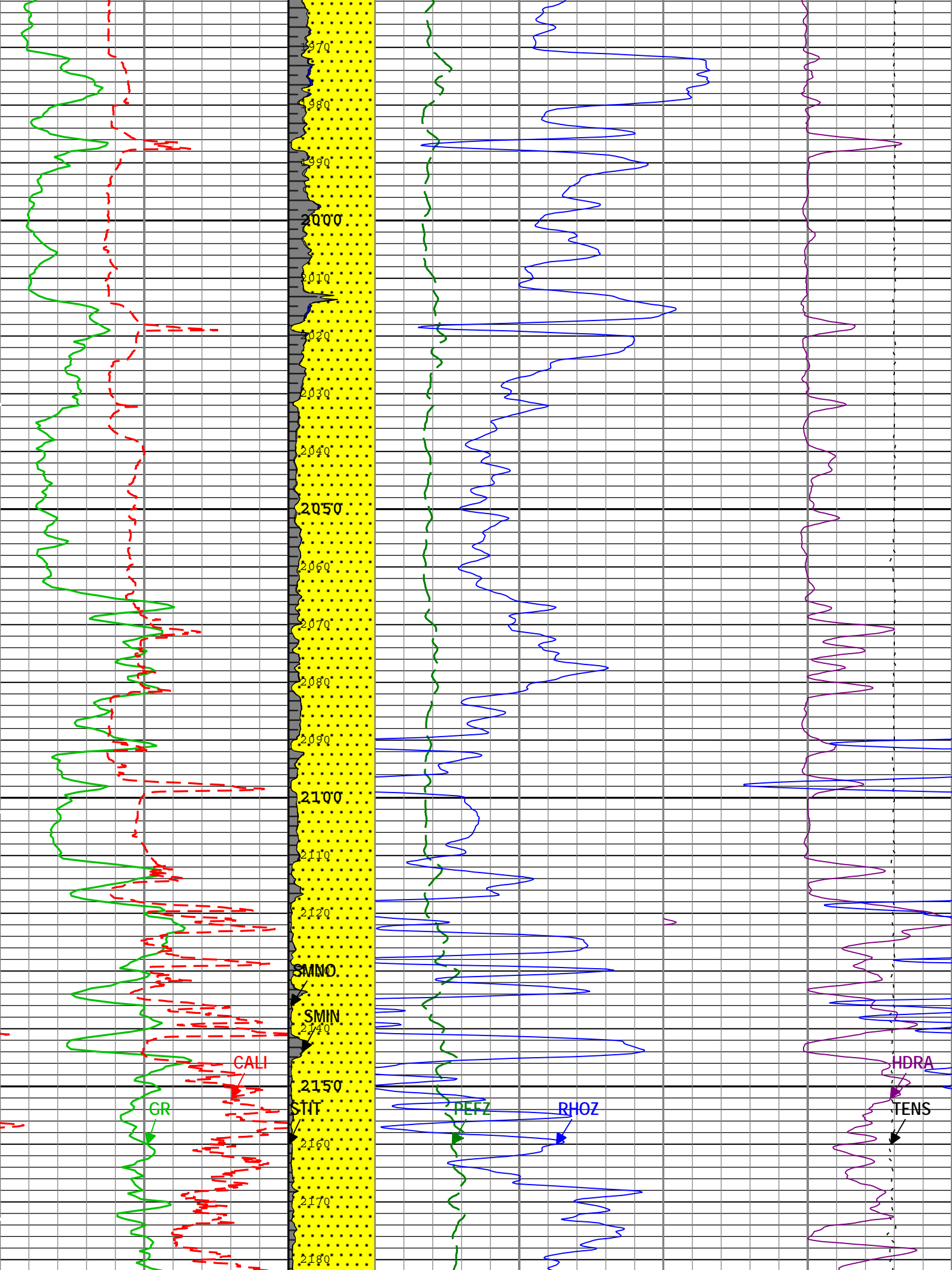


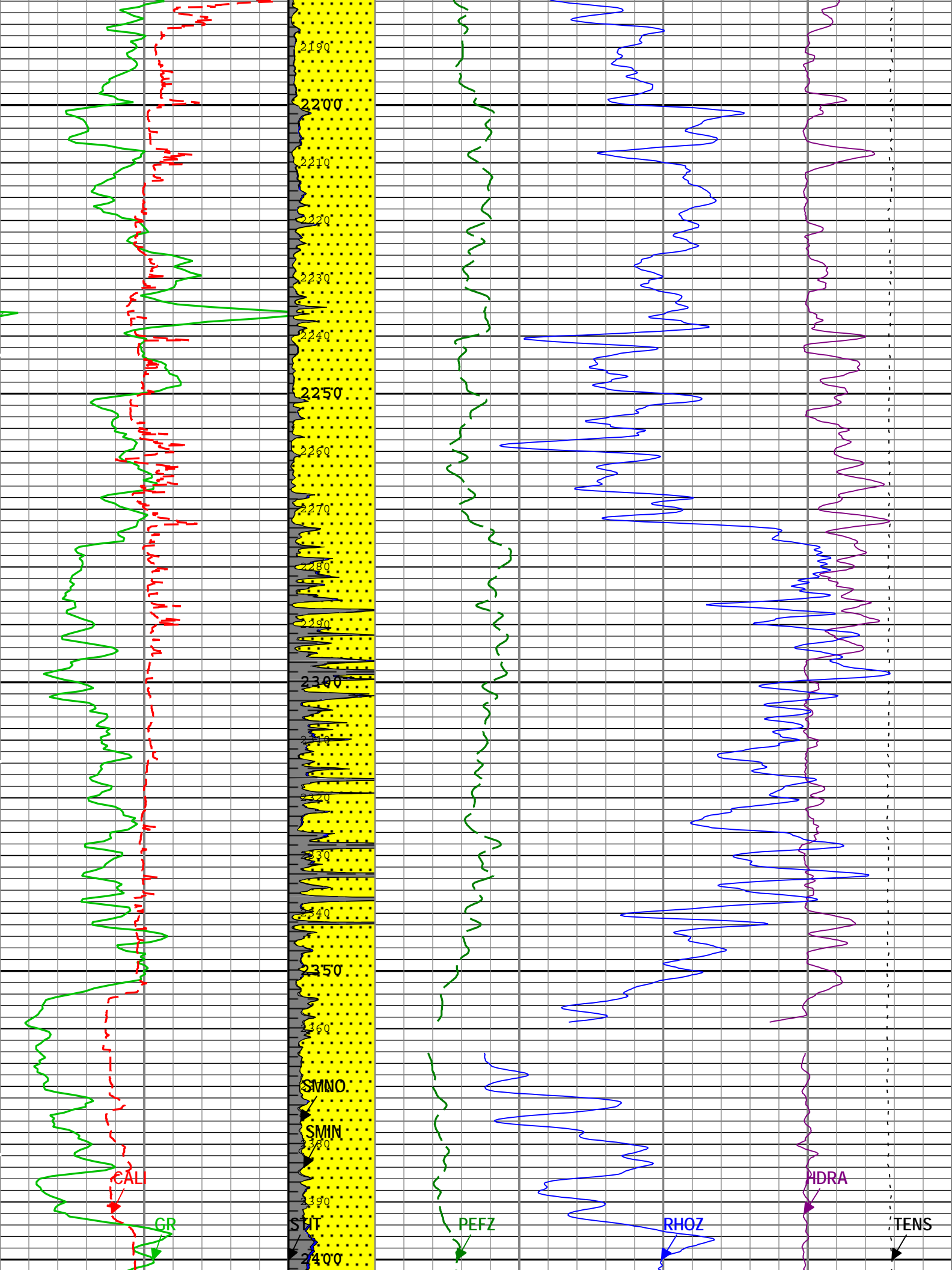


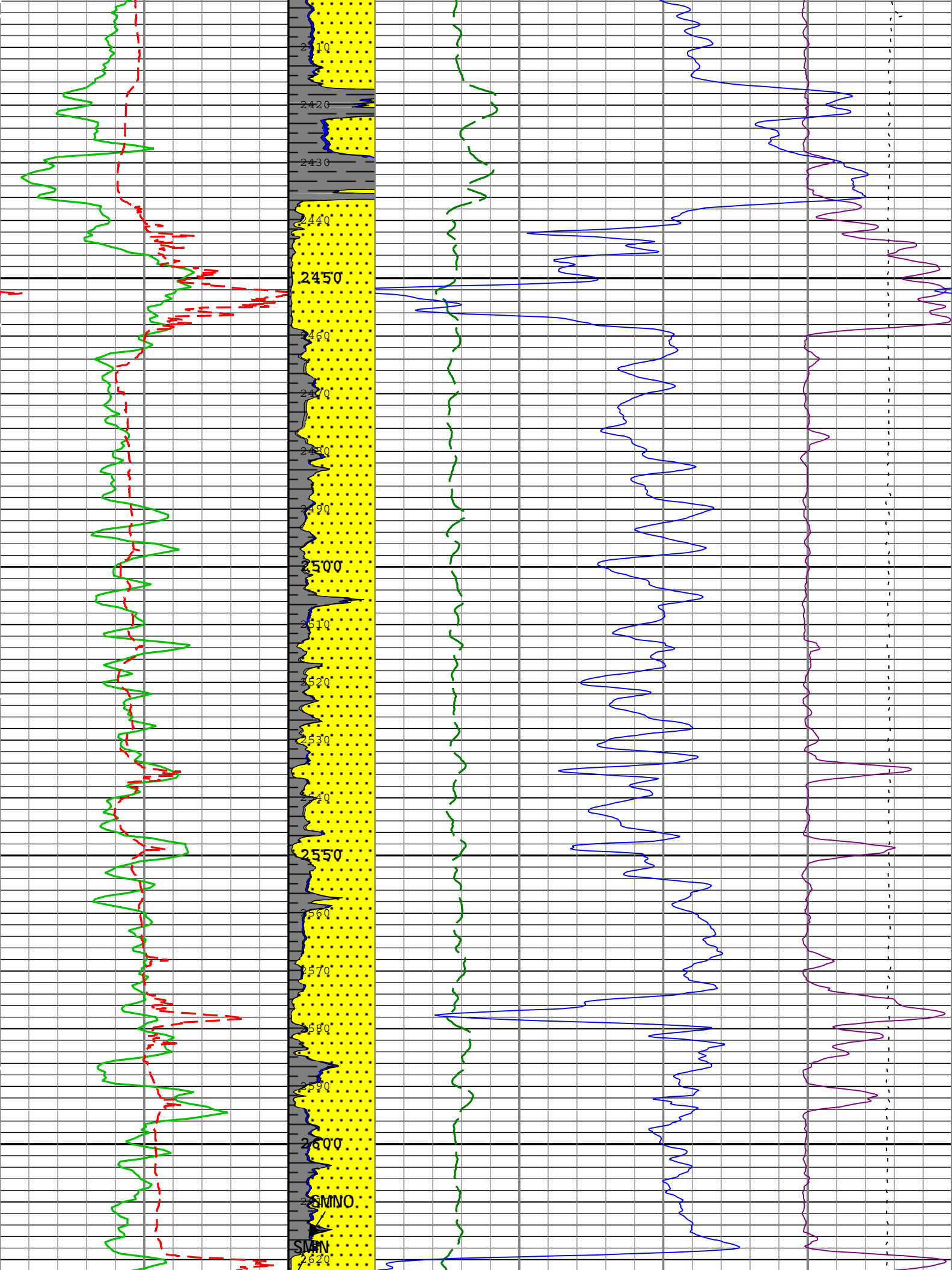


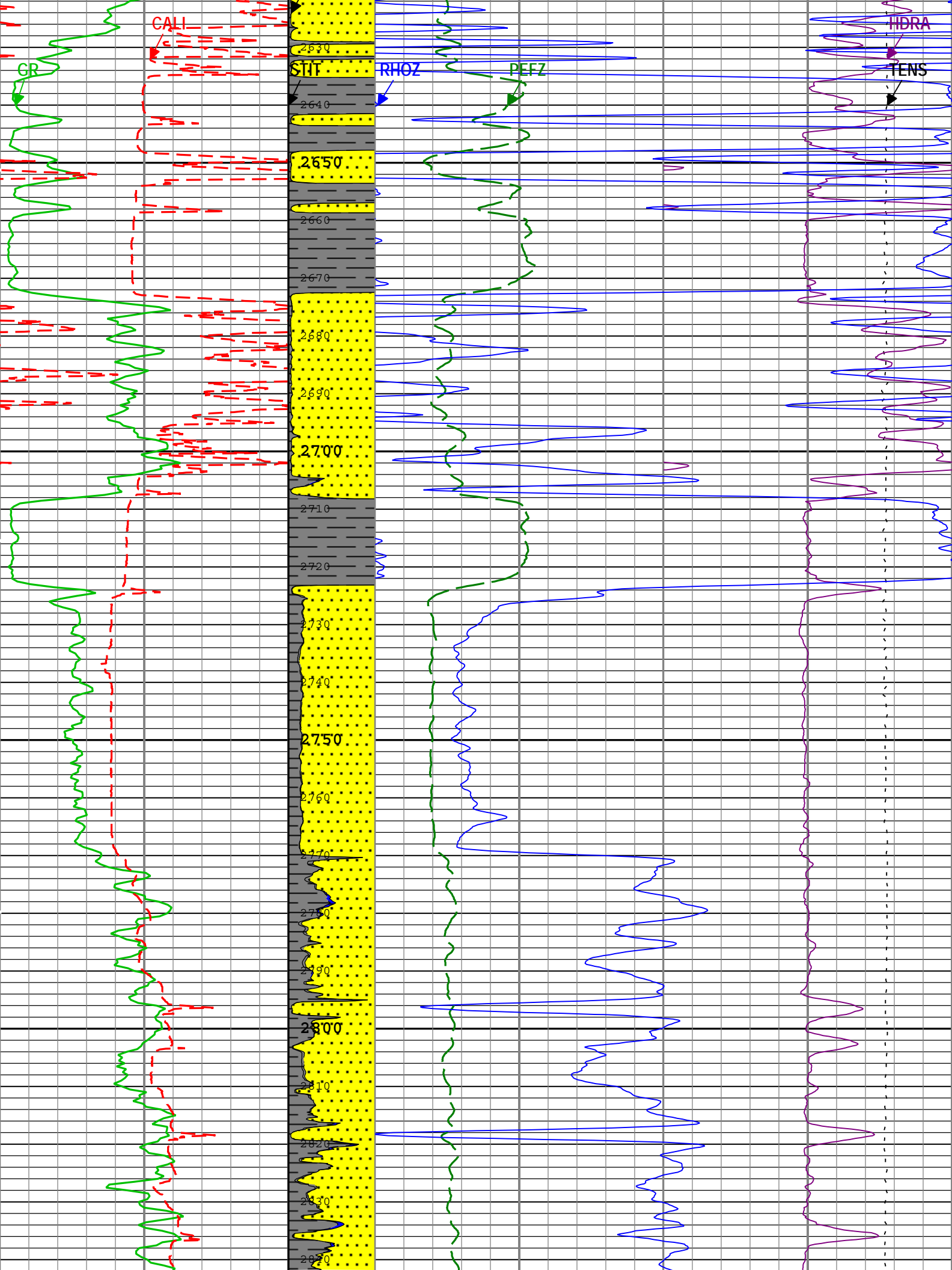


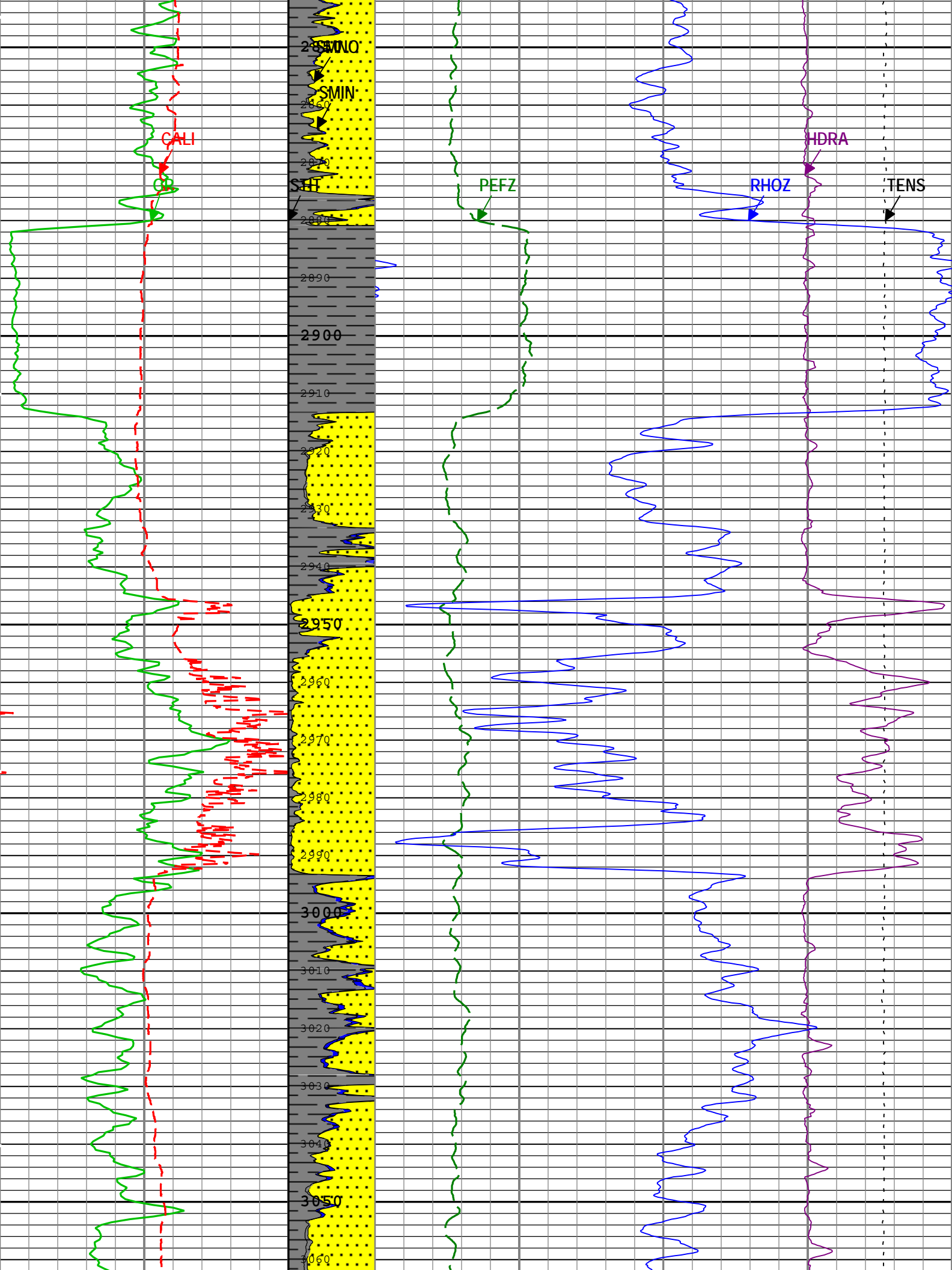


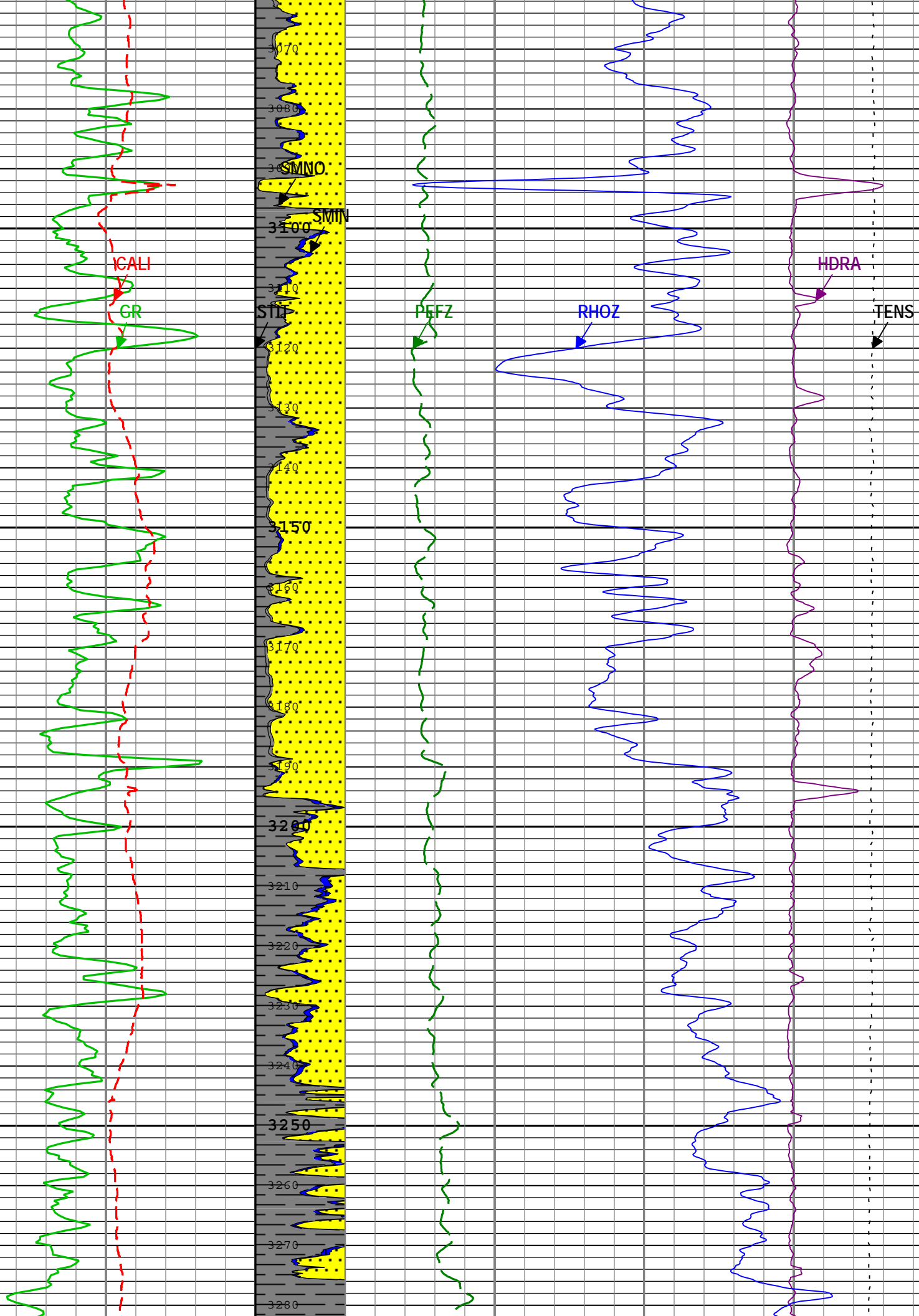


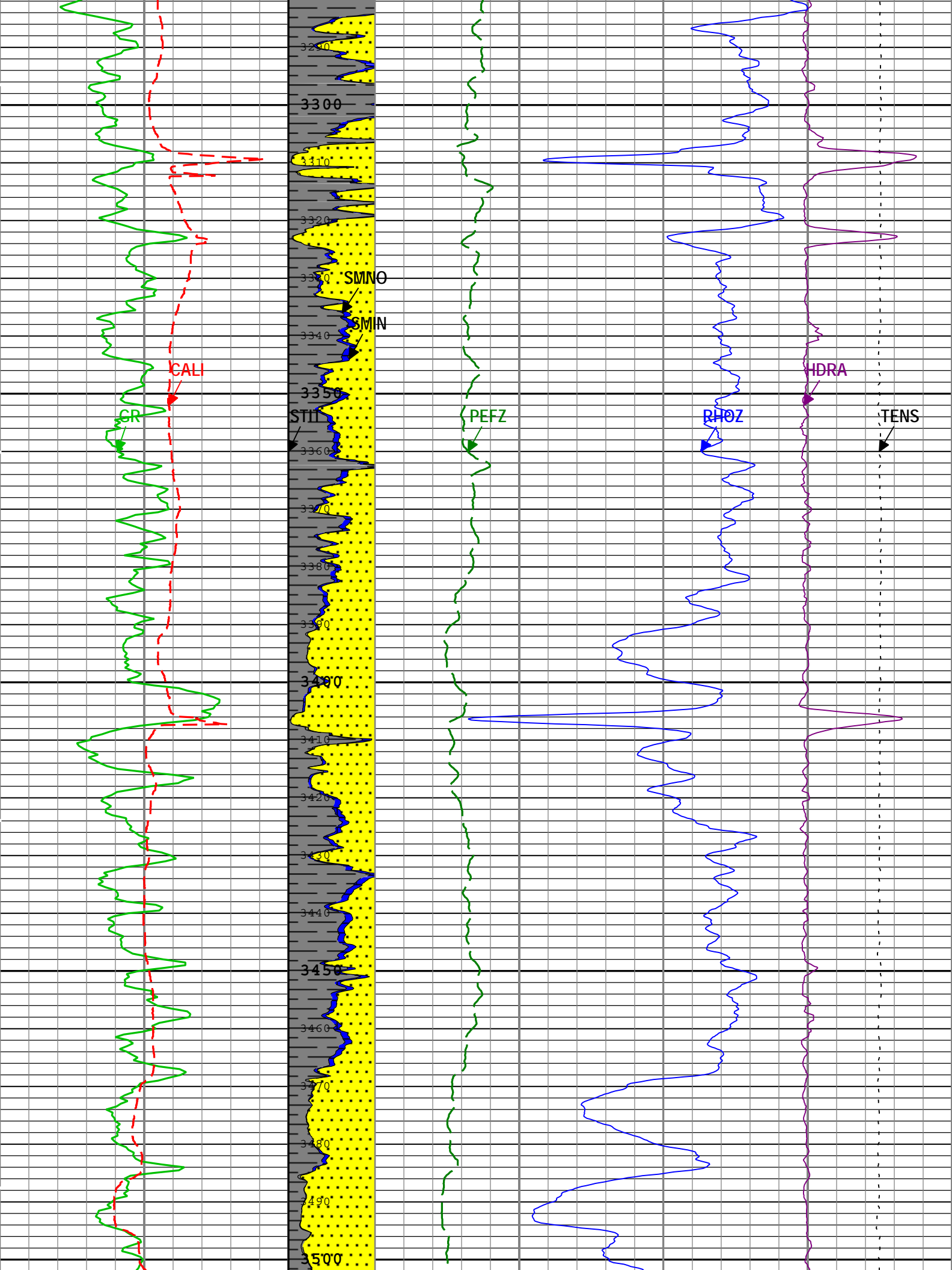


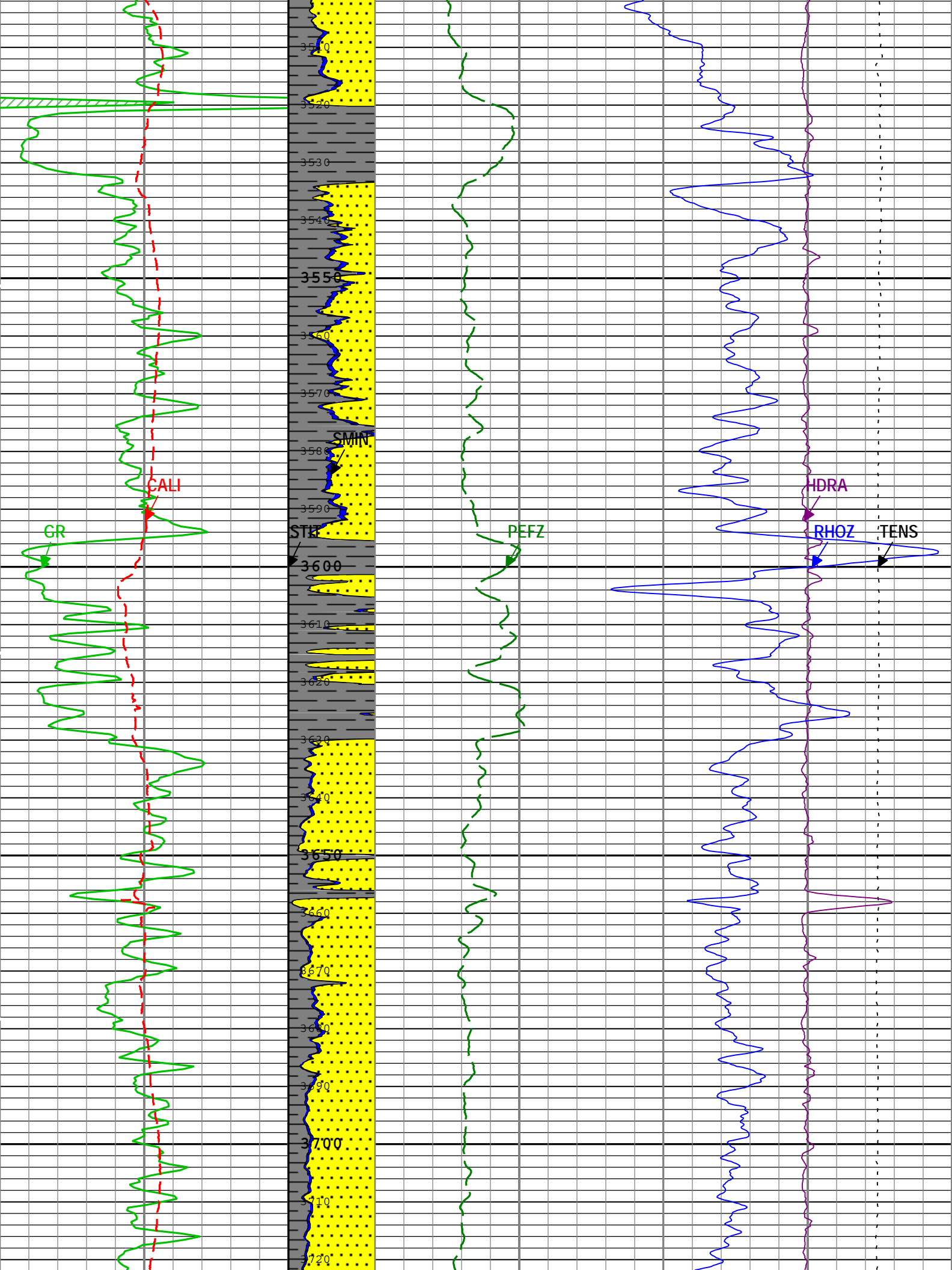


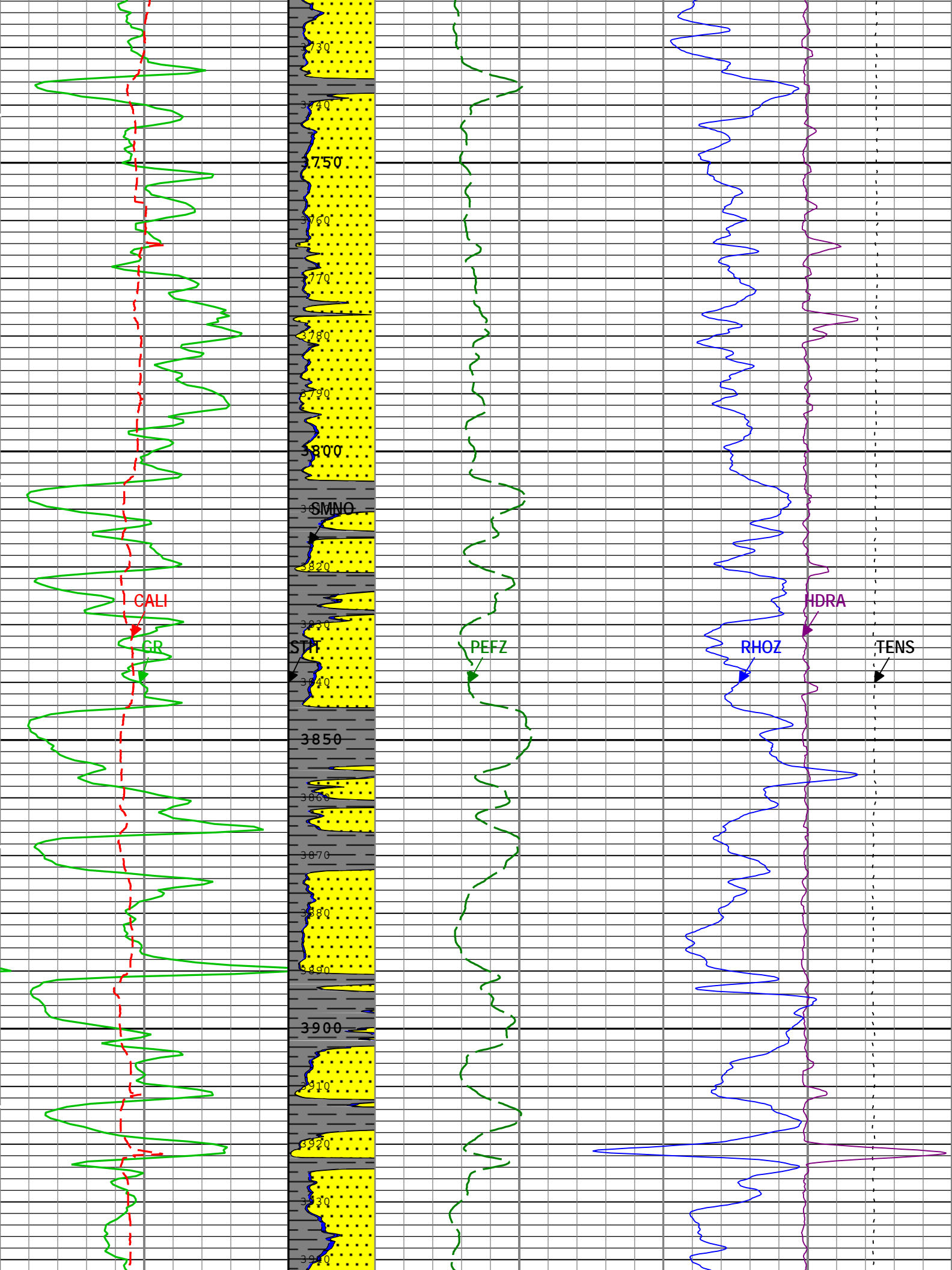


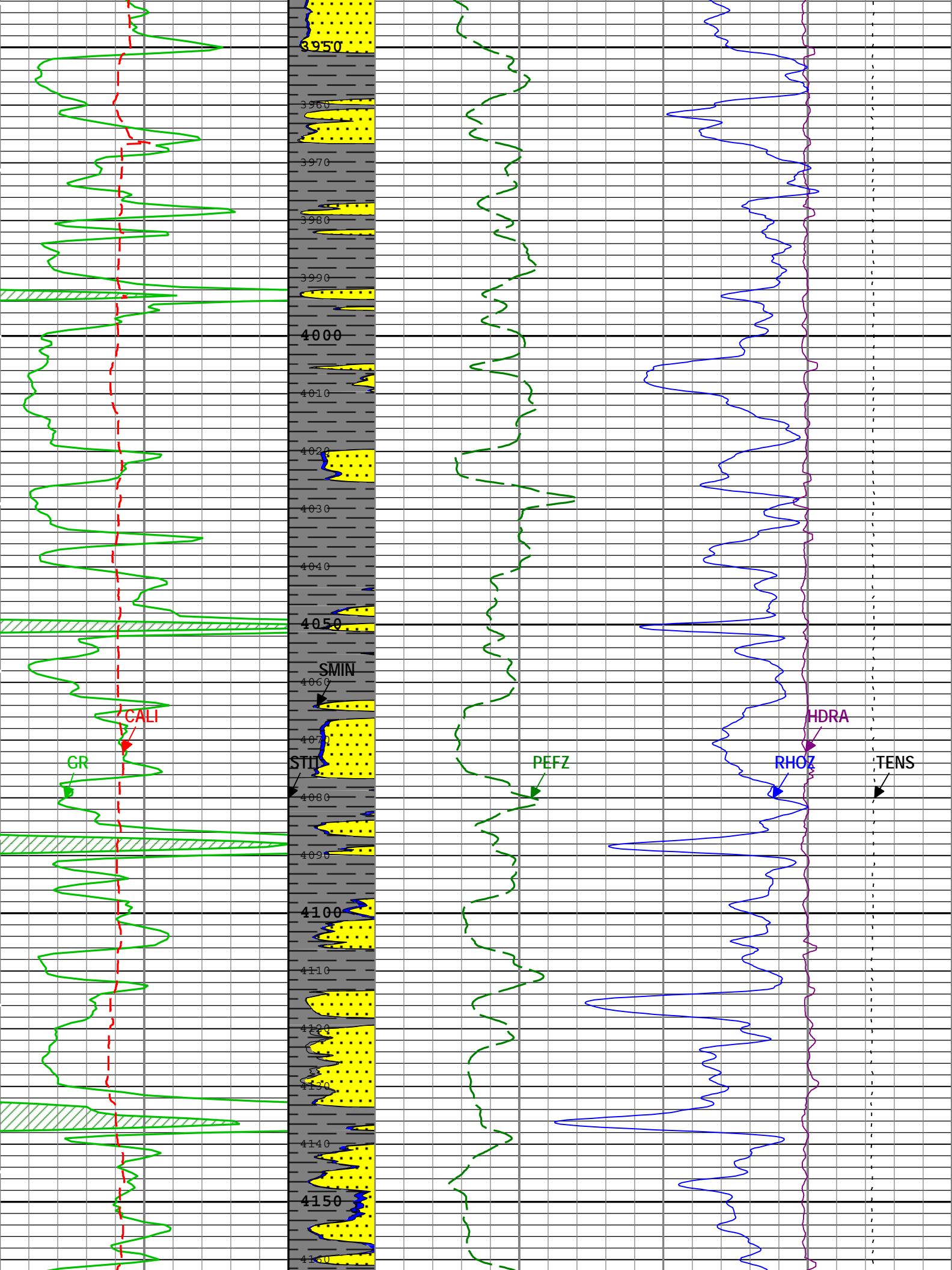


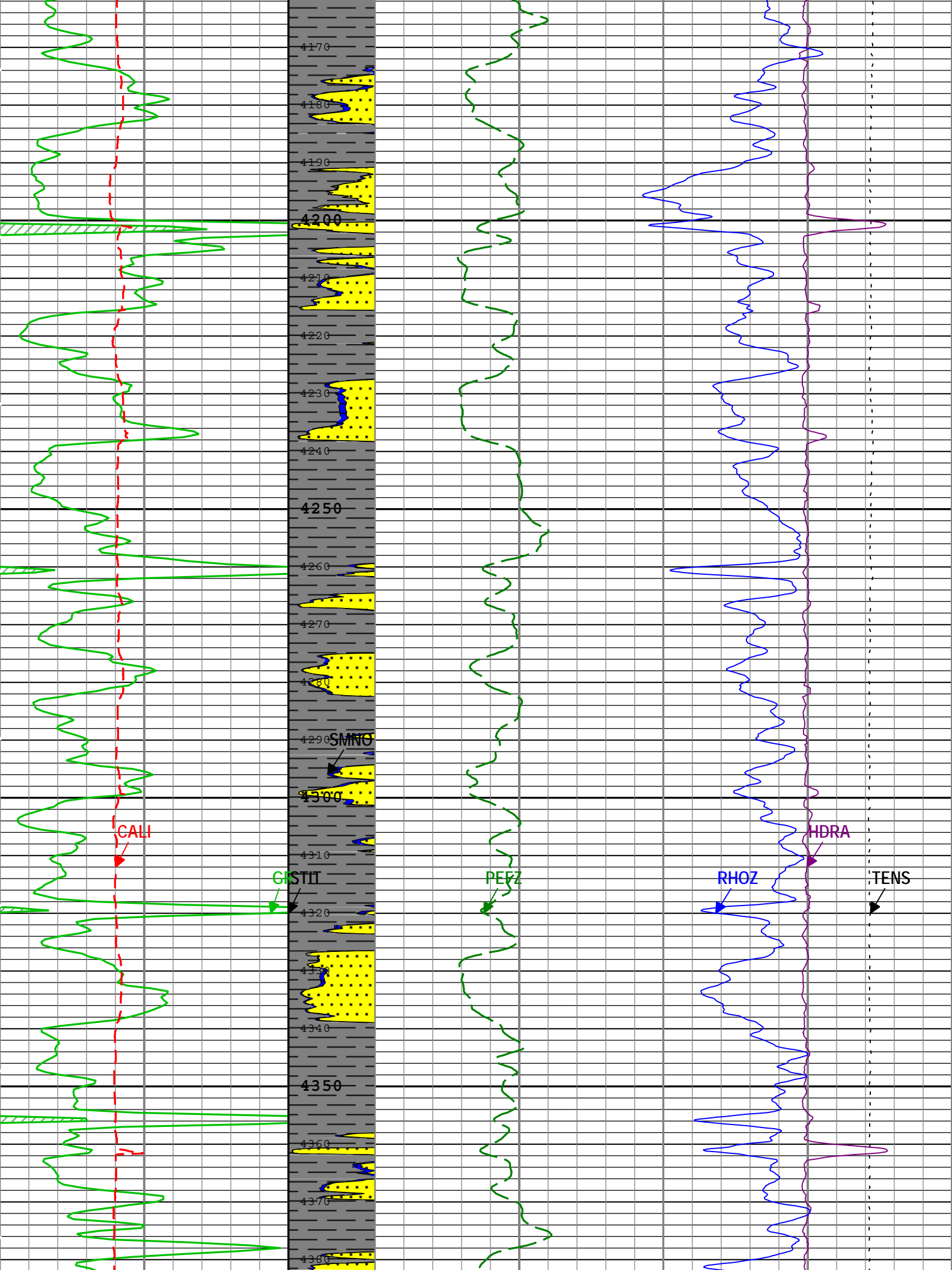


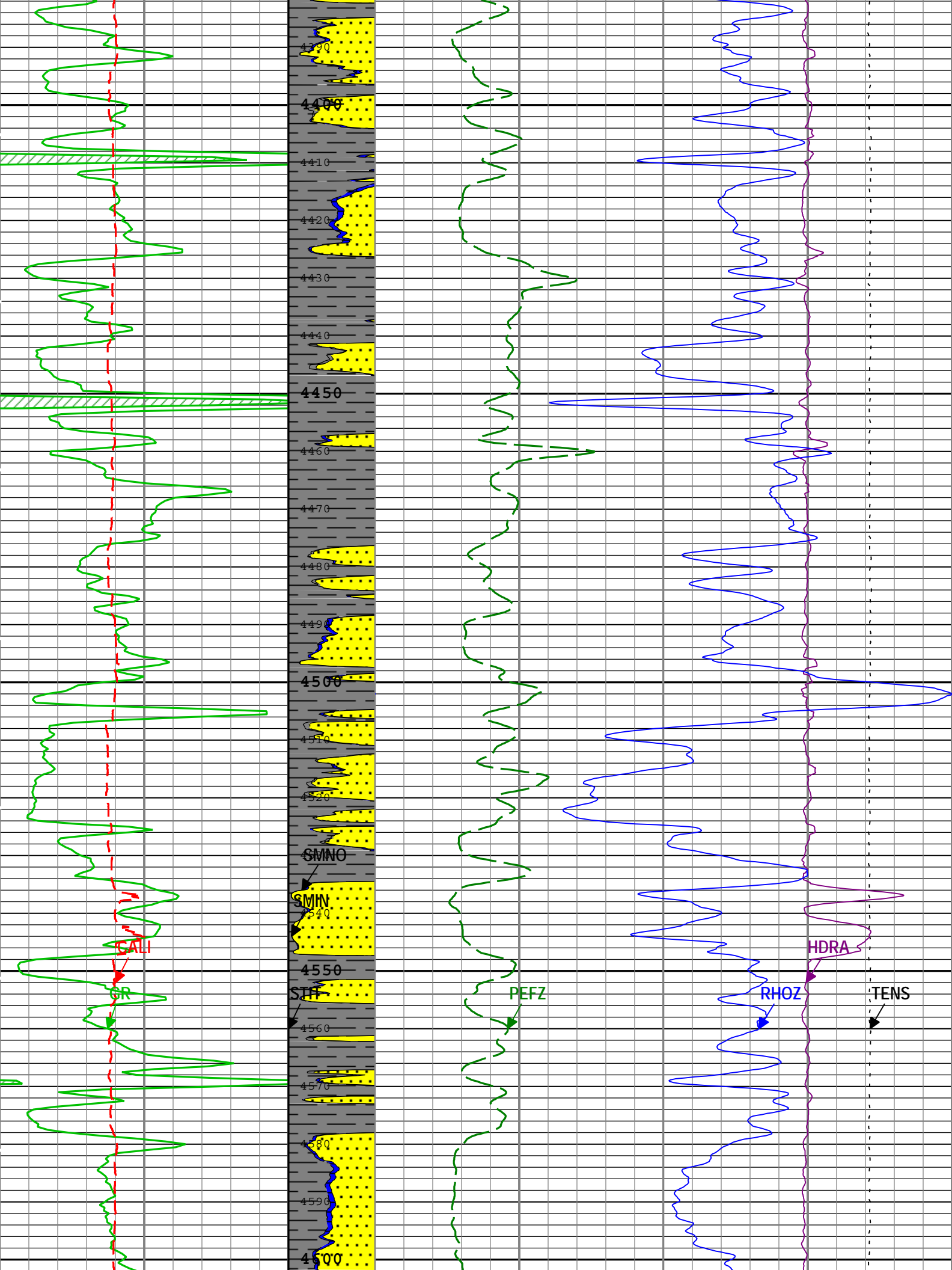


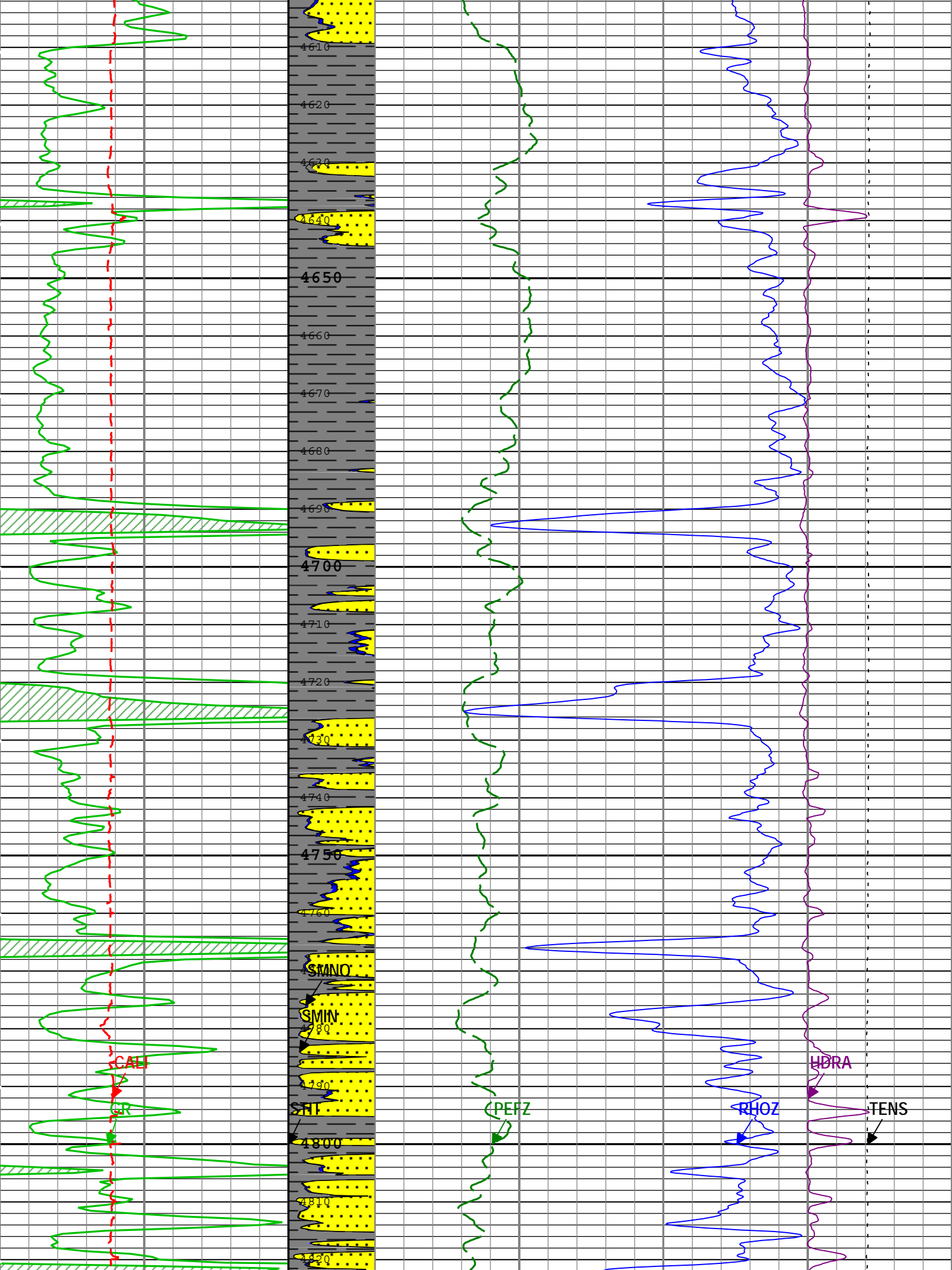


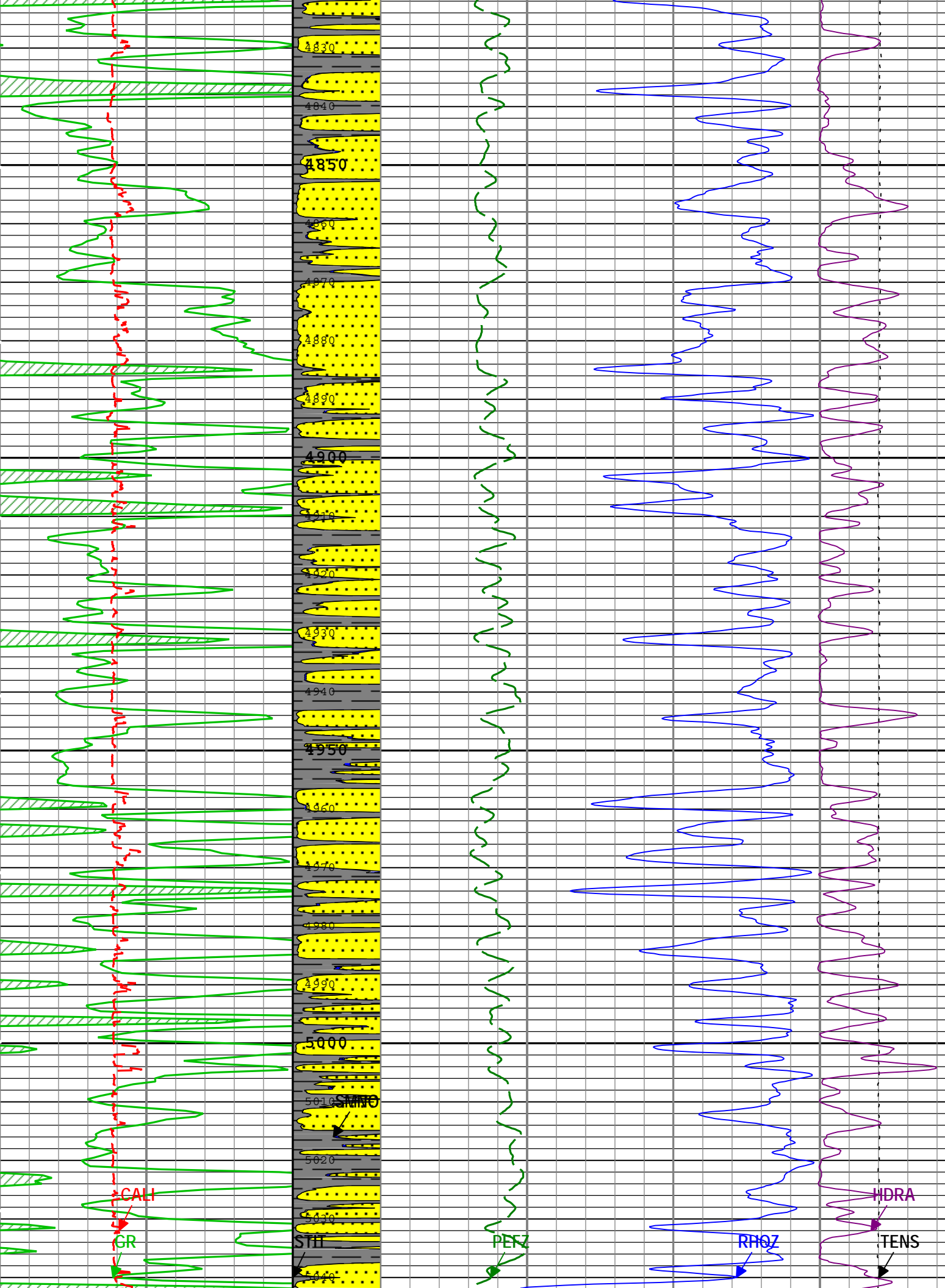


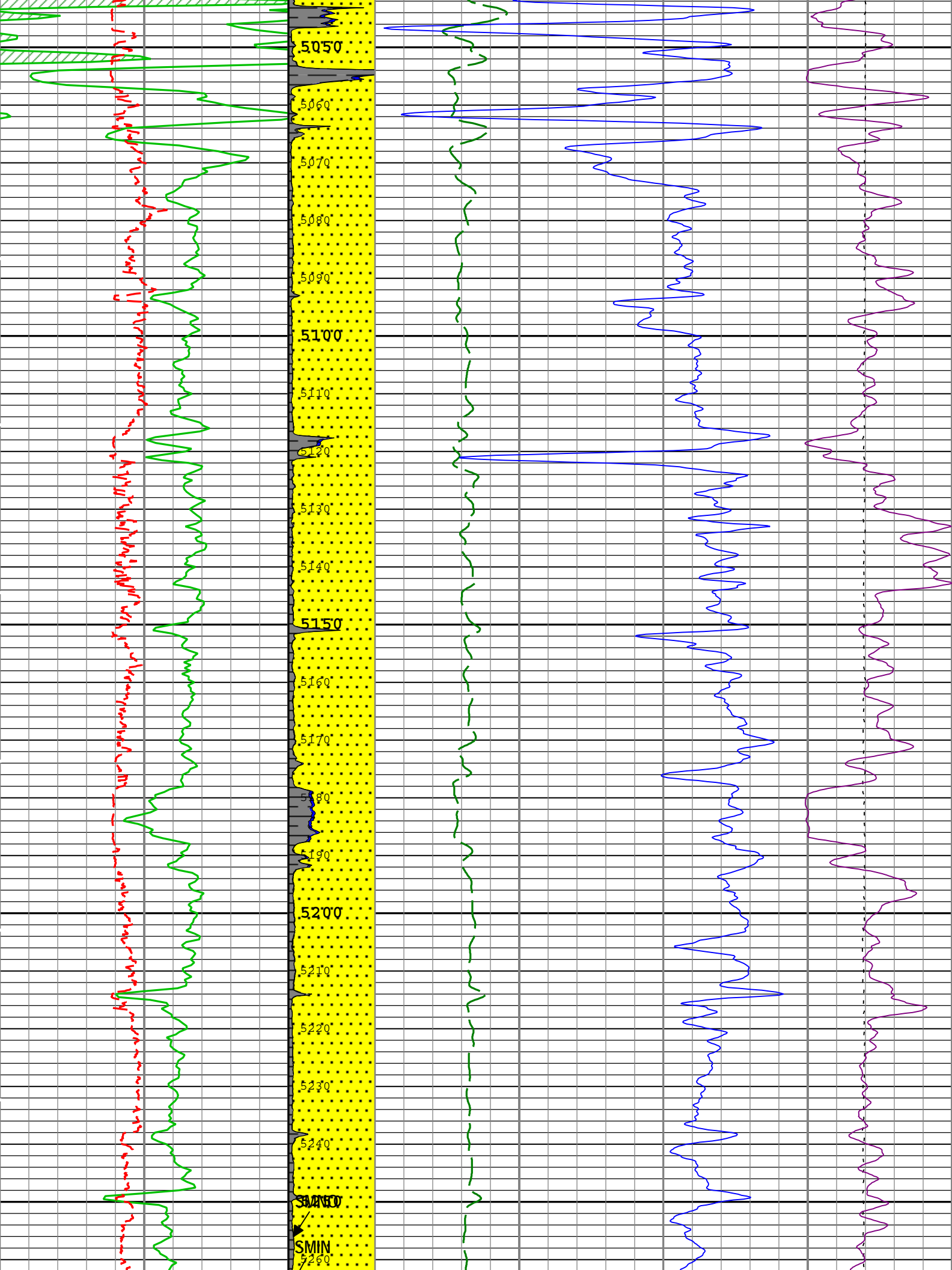


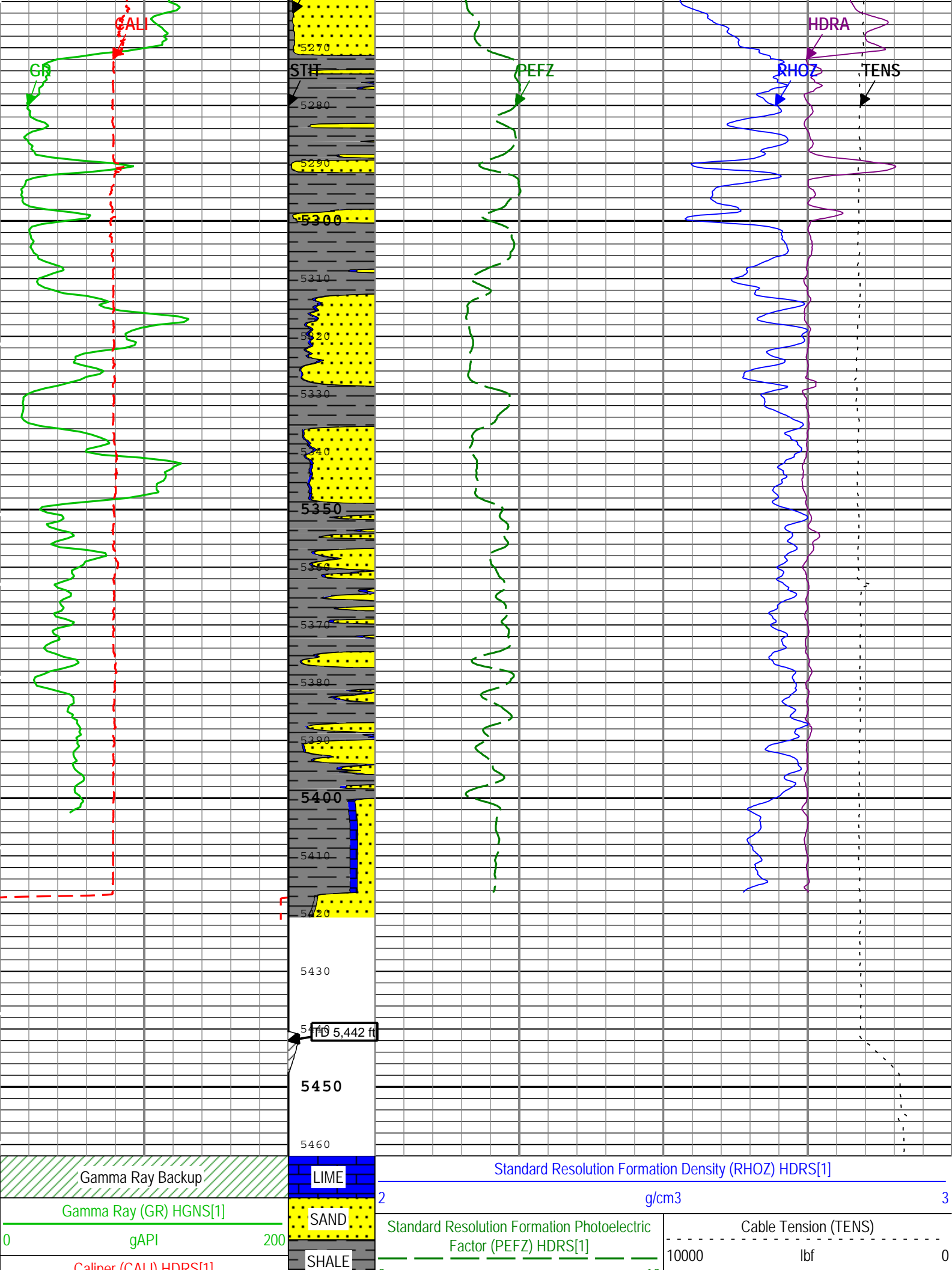












Channel Processing Parameters

Run-1: Parameters				
Parameter	Description	Tool	Value	Unit
BARI	Barite Mud Presence Flag	Borehole	No	
BHS	Borehole Status (Open or Cased Hole)	Borehole	Open	
BS	Bit Size	WLSESSION	Depth Zoned	in
CALI_SHIFT	CALI Supplementary Offset	HDRS-B	0.109	in
CBLO	Casing Bottom (Logger)	WLSESSION	431	ft
CDEN	Cement Density	HGNS-B	2	g/cm3
DC_MODE	Depth Correction Mode	DepthCorrection	Real-time	
DFD	Drilling Fluid Density	Borehole	9.2	lbm/gal
DFT	Drilling Fluid Type	Borehole	Water	
DHC	Density Hole Correction	HDRS-B	Bit Size	
GCSE_DOWN_PASS	Generalized Caliper Selection for WL Log Down Passes	Borehole	BS	
GCSE_UP_PASS	Generalized Caliper Selection for WL Log Up Passes	Borehole	CALI	
GRSE	Generalized Mud Resistivity Selection, from Measured or Computed Mud Resistivity	Borehole	AMF	
NPRM	HRDD Nuclear Processing Mode	HDRS-B	High Resolution	
SOCO	Standoff Correction Option	HGNS-B	Yes	
TD	Total Measured Depth	Borehole	5442	ft

Run-1Depth Zoned Parameters			
Parameter	Value	Start (ft)	Stop (ft)
BS	0	400	434
BS	7.875	434	5462
All depth are actual.			

Tool Control Parameters

Run-1: Parameters				
Parameter	Description	Tool	Value	Unit
HRGD_BRD_TYPE	HRGD Board Type	HDRS-B	WITHOUT_HET	
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	1800	ft/h
STSO_HRDD	Temperature Source for the Density Algorithm	HDRS-B	Decaytime algorithm	

Calibration Report

AIT-H (Array Induction Tool - H) Calibrator - Run Run-1			
Primary Equipment :			
Array Induction Sonde - H	AHIS	398	
Auxiliary Equipment :			
AITH Rm/SP Bottom Nose	AHRM	398	

AIT Sonde Calibration - Test Loop Gain

Master (EEPROM):		10:54:27 13-Sep-2012					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Test Loop Gain - 0		Master	1.000	0.950	1.018	1.050	
Test Loop Phase - 0	deg	Master	0	-3.000	0.588	3.000	

		Before-Master After-Before	----- -----	----- -----	-0.001 -----	----- -----	<div><div></div></div>
Thru Cal Phase - 2	deg	Master	-----	6.000	69.416	126.000	<div><div></div></div>
		Before	-----	6.000	69.655	126.000	<div><div></div></div>
		After	-----	-----	-----	-----	<div><div></div></div>
		Before-Master After-Before	----- -----	----- -----	0.239 -----	----- -----	<div><div></div></div>
Thru Cal Mag - 3	V	Master	-----	0.422	0.723	0.986	<div><div></div></div>
		Before	-----	0.422	0.723	0.986	<div><div></div></div>
		After	-----	-----	-----	-----	<div><div></div></div>
		Before-Master After-Before	----- -----	----- -----	0.000 -----	----- -----	<div><div></div></div>
Thru Cal Phase - 3	deg	Master	-----	5.000	68.514	125.000	<div><div></div></div>
		Before	-----	5.000	68.754	125.000	<div><div></div></div>
		After	-----	-----	-----	-----	<div><div></div></div>
		Before-Master After-Before	----- -----	----- -----	0.240 -----	----- -----	<div><div></div></div>
Thru Cal Mag - 4	V	Master	-----	0.802	1.349	1.872	<div><div></div></div>
		Before	-----	0.802	1.348	1.872	<div><div></div></div>
		After	-----	-----	-----	-----	<div><div></div></div>
		Before-Master After-Before	----- -----	----- -----	-0.001 -----	----- -----	<div><div></div></div>
Thru Cal Phase - 4	deg	Master	-----	-1.000	61.558	119.000	<div><div></div></div>
		Before	-----	-1.000	61.810	119.000	<div><div></div></div>
		After	-----	-----	-----	-----	<div><div></div></div>
		Before-Master After-Before	----- -----	----- -----	0.252 -----	----- -----	<div><div></div></div>
Thru Cal Mag - 5	V	Master	-----	1.173	1.947	2.737	<div><div></div></div>
		Before	-----	1.173	1.946	2.737	<div><div></div></div>
		After	-----	-----	-----	-----	<div><div></div></div>
		Before-Master After-Before	----- -----	----- -----	-0.001 -----	----- -----	<div><div></div></div>
Thru Cal Phase - 5	deg	Master	-----	-3.000	59.409	117.000	<div><div></div></div>
		Before	-----	-3.000	59.659	117.000	<div><div></div></div>
		After	-----	-----	-----	-----	<div><div></div></div>
		Before-Master After-Before	----- -----	----- -----	0.250 -----	----- -----	<div><div></div></div>
Thru Cal Mag - 6	V	Master	-----	1.173	1.943	2.737	<div><div></div></div>
		Before	-----	1.173	1.942	2.737	<div><div></div></div>
		After	-----	-----	-----	-----	<div><div></div></div>
		Before-Master After-Before	----- -----	----- -----	-0.001 -----	----- -----	<div><div></div></div>
Thru Cal Phase - 6	deg	Master	-----	-3.000	59.473	117.000	<div><div></div></div>
		Before	-----	-3.000	59.723	117.000	<div><div></div></div>
		After	-----	-----	-----	-----	<div><div></div></div>
		Before-Master After-Before	----- -----	----- -----	0.250 -----	----- -----	<div><div></div></div>
Thru Cal Mag - 7	V	Master	-----	0.849	1.382	1.981	<div><div></div></div>
		Before	-----	0.849	1.381	1.981	<div><div></div></div>
		After	-----	-----	-----	-----	<div><div></div></div>
		Before-Master After-Before	----- -----	----- -----	-0.001 -----	----- -----	<div><div></div></div>
Thru Cal Phase - 7	deg	Master	-----	-7.000	53.953	113.000	<div><div></div></div>
		Before	-----	-7.000	54.249	113.000	<div><div></div></div>
		After	-----	-----	-----	-----	<div><div></div></div>
		Before-Master After-Before	----- -----	----- -----	0.296 -----	----- -----	<div><div></div></div>
SPA Zero	mV	Master		-50.000	-0.053	50.000	<div><div></div></div>
		Before		-50.000	-0.061	50.000	<div><div></div></div>
		After	-----	-----	-----	-----	<div><div></div></div>
		Before-Master After-Before	----- -----	----- -----	-0.008 -----	----- -----	<div><div></div></div>
SPA Plus	mV	Master		941.000	993.658	1040.000	<div><div></div></div>
		Before		941.000	993.363	1040.000	<div><div></div></div>
		After	-----	-----	-----	-----	<div><div></div></div>
		Before-Master After-Before	----- -----	----- -----	-0.295 -----	----- -----	<div><div></div></div>
Temperature Zero	V	Master		-0.050	0.000	0.050	<div><div></div></div>

Before (Measured): 11:04:17 19-Nov-2012

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Main Resistivity	ohm.m	Before	3875	3565	3831	4185	
Deep Resistivity	ohm.m	Before	3830	3524	3794	4136	
Shallow Resistivity	ohm.m	Before	3830	3524	3822	4136	

HGNS-B (HILT Gamma-Ray and Neutron Sonde, 125 degC) Calibration - Run Run-1

Primary Equipment :

HILT Gamma-Ray and Neutron Sonde, 125 degC

HGNS-B

1927

Auxiliary Equipment :

HGNS Accelerometer, 125 degC

HACCZ-B

749

AmBe Neutron Logging Source

NSR-F

5069

Calibration Parameter :

Water Temperature

Housing Size

JIG-BKG (Jig minus background reference)

165

HGNS Accelerometer Calibration - Accelerometer Accumulations

Before (Measured): 20:12:05 19-Nov-2012

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
AZ Vertical Measurement	ft/s2	Before	32.2	31.5	32.2	32.8	

HGNS Accelerometer EEPROM - Accelerometer EEPROM Read

Master (EEPROM): 00:00:00 15-Mar-2001

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Accelerometer Manufacturer		Master			Sunstrand		
Accelerometer Reference Temperature	degF	Master		30.2	68.0	122.0	
Accelerometer Coefficients - 0		Master	----	----	-5693.000	----	
Accelerometer Coefficients - 1		Master	----	----	20.390	----	
Accelerometer Coefficients - 2		Master	----	----	-0.031	----	
Accelerometer Coefficients - 3		Master	----	----	0.000	----	
Accelerometer Coefficients - 4		Master	----	----	2.141	----	
Accelerometer Coefficients - 5		Master	----	----	0.000	----	
Accelerometer Coefficients - 6		Master	----	----	0.000	----	
Accelerometer Coefficients - 7		Master	----	----	0.000	----	
Accelerometer Coefficients - 8		Master	----	----	295.800	----	
Accelerometer Coefficients - 9		Master	----	----	1.031	----	

HGNS Neutron Calibration - HGNS Neutron Accumulations

Master (EEPROM): 12:04:40 16-Nov-2012

Before (Measured):

10:57:38 19-Nov-2012

After:

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Near Zero Measurement	1/s	Master	0	5.0	27.1	40.0	
		Before	0	5.0	26.6	40.0	
		After	----	----	----	----	
		Before-Master	----	-4.1	-0.5	4.1	
		After-Before	----	----	----	----	
Far Zero Measurement	1/s	Master	0	5.0	26.8	40.0	
		Before	0	5.0	27.4	40.0	
		After	----	----	----	----	
		Before-Master	----	-4.0	0.6	4.0	
		After-Before	----	----	----	----	
Near Plus Measurement - 0	1/s	Master	6031.0	4700.0	4898.0	6900.0	
		Before	----	----	----	----	
		After	----	----	----	----	
		Before-Master	----	----	----	----	
		After-Before	----	----	----	----	
Far Plus Measurement - 0	1/s	Master	2793.0	1900.0	2070.0	2900.0	
		Before	----	----	----	----	
		After	----	----	----	----	
		Before-Master	----	----	----	----	
		After-Before	----	----	----	----	
Near Corrected Plus Measurement - 0	1/s	Master		4700.0	4970.0	6900.0	
		Before					

		Before After Before-Master After-Before	----- ----- ----- -----	----- ----- ----- -----	----- ----- ----- -----	----- ----- ----- -----	
Far Corrected Plus Measurement - 0	1/s	Master Before After Before-Master After-Before	----- ----- ----- ----- -----	1900.0 ----- ----- ----- -----	2107.0 ----- ----- ----- -----	2900.0 ----- ----- ----- -----	

HGNS Gamma-Ray Calibration - Gamma-Ray Accumulations

Before (Measured): 11:02:29 19-Nov-2012		After:					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
RGR Zero Measurement	gAPI	Before After After-Before	30.0 ----- -----	0 ----- -----	73.3 ----- -----	120.0 ----- -----	
RGR Plus Measurement	gAPI	Before After After-Before	185.4 ----- -----	157.1 ----- -----	170.6 NOT DONE -----	206.3 ----- -----	
GR Calibration Gain		Before After After-Before	0.89 ----- -----	0.80 ----- -----	0.97 ----- -----	1.05 ----- -----	

LEH-QT (Logging Equipment Head - QT, 3-3/8 inch 31 pin HPHT with Tension Sensor) Calibration - Run Run-1

Primary Equipment :		Logging Equipment Head - QT, 3-3/8 inch 31 pin HPHT with Tension Sensor LEH-QT					
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HTEN Master Calibration - HTEN Master Calibration

Master:							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
HTEN Shop Gain		Master	1.000	0.800	NOT DONE	4.500	
HTEN Shop Offset	lbf	Master	0	-1000.000	NOT DONE	1000.000	

HTEN Before Calibration - HTEN Before Calibration

Before:							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
RHTE Zero Measurement - 0	lbf	Before	-----	-----	-----	-----	
RHTE Plus Measurement - 0	lbf	Before	-----	-----	-----	-----	
HTEN Gain - 0		Before	-----	-----	-----	-----	
HTEN Offset - 0	lbf	Before	-----	-----	-----	-----	

Company:	Vecta Oil & Gas LTD	Schlumberger					
Well:	Maroon 24-20						
Field:	Wildcat						
County:	Cheyenne						
State:	Colorado						

Platform Express
Compensated Neutron Log
LithoDensity