

Company: Chevron AMBU

Well: Conner 6H

Field: Wildcat

County: Marshall State: West Virginia

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

County:	Marshall	Latitude: 39.880749 N	Elev.:	K.B. 1254.33 ft
Field:	Wildcat	Longitude: 80.750941 W	G.L. 1222.00 ft	D.F.
Location:	Conner 6H	Permanent Datum:	Ground Level	Elev.: 1222.00 f
Well:	Conner 6H	Log Measured From:	Kelly Bushing	32.33 ft above Perm.Datum
Company:	Chevron AMBU	Drilling Measured From:	Kelly Bushing	
	API Serial No. 47-051-01599	Quadrant	Quad	Township: Union
		Moundsville		Unit Conner 6H

Logging Date	02-Sep-2013		
Run Number	2A		
Depth Driller	11275.00 ft		
Schlumberger Depth	11291.00 ft		
Bottom Log Interval	11263.40 ft		
Top Log Interval	6000.00 ft		
Casing Driller Size @ Depth	9.625 in @ 8480.00 ft		
Casing Schlumberger	8490 ft		
Bit Size	7.875 in		
Type Fluid In Hole	Salt Brine		
Density	11.1 lbm/gal	41 s	
Fluid Loss	6.4 cm3	9.1	
Source of Sample	HRLA		
RM @ Meas Temp	0.02 ohm.m	@	175 degF
RMF @ Meas Temp	0.02 ohm.m	@	175 degF
RMC @ Meas Temp	0.02 ohm.m	@	175 degF
Source RMF	Calculated	Calculated	
RM @ BHT	0.02 @ 185.3	0.01 @	185.3
RMF @ BHT			
Max Recorded Temperatures	185.3 degF		
Circulation Stopped	Time 01-Sep-2013	Time 22:00:00	
Logger on Bottom	Time 02-Sep-2013	Time 13:15:00	
Unit Number	2134	Location: Weston	
Recorded By	Beth DiBella/Hurst Nuckols		
Witnessed By	Caleb Worthman		

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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Borehole Size/Casing/Tubing Record

Bit						
Bit Size (in)	17.5	12.25	7.875			
Top Driller (ft)	0	2582	8480			
Top Logger (ft)	0	2582	8506			
Bottom Driller (ft)	2582	8480	11275			
Bottom Logger (ft)	2582	8506	11291			
Casing						
Size (in)	13.375	9.625				
Weight (lbm/ft)	45.5	45.5				
Inner Diameter (in)	12.737	8.717				
Grade	J55	J55				
Top Driller (ft)	0	2582				
Top Logger (ft)	0	2582				
Bottom Driller (ft)	2582	8480				
Bottom Logger (ft)	2582	8490				

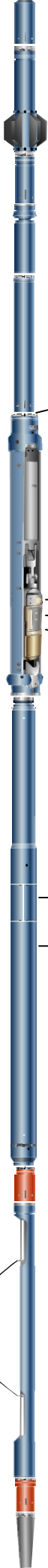
Borehole Fluids

Parameter(unit)	2A					
Fluid Type	Water					
Fluid Name	Salt Brine					
Max Recorded Temperatures (degF)	185.3					
Source of Sample	HRLA					
Salinity (ppm)	197824.3					
Density (lbm/gal)	11.1					
Funnel Viscosity (s)	41					
Fluid Loss (cm3)	6.4					
PH	9.1					
Date/Time Circulation Stopped	01-Sep-2013 22:00:00					
Date Logger on Bottom	02-Sep-2013					
Time Logger on Bottom	13:15:00					
Source RMF	Calculated					
RMC	Calculated					
RM @ Meas Temp (ohm.m@degF)	0.02 @ 175					
RMF @ Meas Temp (ohm.m@degF)	0.02 @ 175					
RMC @ Meas Temp (ohm.m@degF)	0.02 @ 175					
RM @ BHT (ohm.m@degF)	0.02 @ 185.3					
RMF @ BHT (ohm.m@degF)	0.01 @ 185.3					
RMC @ BHT (ohm.m@degF)	0.02 @ 185.3					

Total Solid (%)					
High Gravity Solids (%)					

Remarks and Equipment Summary

2A: Toolstring	2A: Remarks																																													
<table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: left;">Equip name</th> <th style="text-align: left;">Length</th> <th style="text-align: left;">MP name</th> <th style="text-align: left;">Offset</th> </tr> </thead> <tbody> <tr> <td>LEH-QT</td> <td style="color: blue;">86.39</td> <td></td> <td></td> </tr> <tr> <td colspan="4" style="text-align: center;"> </td> </tr> <tr> <td>AH-369</td> <td style="color: blue;">83.48</td> <td></td> <td></td> </tr> <tr> <td>EDTC-B:834</td> <td style="color: blue;">82.05</td> <td></td> <td></td> </tr> <tr> <td colspan="4"> 1 EDTH-B:8343 EDTG-A EDTC-B:8341 </td> </tr> <tr> <td>HGNS-B:189</td> <td style="color: blue;">75.55</td> <td></td> <td></td> </tr> <tr> <td colspan="4"> 3 HGNH:3866 NPV-N NSR-F:2179 HGNS-B:1893 HACCZ-B:452 HMCA-B </td> </tr> <tr> <td>AH-107[2]</td> <td style="color: blue;">66.14</td> <td></td> <td></td> </tr> <tr> <td colspan="4"> HRLT-B:814 64.14 HRUH-B:1765 HRUC-B:1765 HRLS-B:814 HRLH-B:818 HRLC-B:818 AH-270 </td> </tr> <tr> <td></td> <td></td> <td style="text-align: right;">Resistivity</td> <td style="text-align: right;">52.38</td> </tr> </tbody> </table>	Equip name	Length	MP name	Offset	LEH-QT	86.39							AH-369	83.48			EDTC-B:834	82.05			1 EDTH-B:8343 EDTG-A EDTC-B:8341				HGNS-B:189	75.55			3 HGNH:3866 NPV-N NSR-F:2179 HGNS-B:1893 HACCZ-B:452 HMCA-B				AH-107[2]	66.14			HRLT-B:814 64.14 HRUH-B:1765 HRUC-B:1765 HRLS-B:814 HRLH-B:818 HRLC-B:818 AH-270						Resistivity	52.38	<p>TOOLSTRINGS RAN AS PER TOOL SKETCH</p> <p>PRESENTATIONS AS PER CLIENT REQUEST</p> <p>MATRIX: LIMESTONE DENSITY: 2.68 G/CC</p> <p>MUD RESISTIVITY FROM HRLA TOOL</p>	
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AH-107[1] 39.94

HDRS-B:184 37.94

9
ECH-MEB:1830
HRCC-B:1813
HRMS-B:1849
Short Spacing
HRGD-B:1850
GSR-J:5159
GPV-Q
Long Spacing
Backscatter

HRCC 33.94

MCFL 28.51
Caliper 28.02
TLD Density 27.64

NEXT-A:6 25.7

NEXH-A:6
PNG-G:7024-4
2554
NEXS-A:6

Spect 19.82

Status 18.41

AH-191 12.00

ILE-D:26 11.00

AH-190 3.00

BNS-NG 2.00

Head Tens

ion
 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	2A		
Conveyance Type	Wireline		
Log Sequence	SUBSEQUENT TRIP IN HOLE		
Reference Log Date	09-Aug-2013		
Reference Log Name	PLATFORM EXPRESS		
Reference Log Run Number	1B		
Depth Remark Parameters	2A		
Depth Remark 1	ALL CURRENT SCHLUMBERGER DEPTH POLICIES FOLLOWED		
Depth Remark 2	IDW USED AS PRIMARY DEPTH CONTROL		
Depth Remark 3	Z-CHART USED AS SECONDARY DEPTH CONTROL		
Depth Remark 4	SUBSEQUENT TRIP DEPTH CORRECTION: 16.5 FT		
Depth Measuring Device	2A		
Type	IDW-B		
Wheel Correction 1	1		
Wheel Correction 2	0		
Tension Device	2A		
Type	CMTD-B/A		
Calibration Points	0		
Logging Cable	2A		
Type	7-46NT-XS		
Logging Cable Length (ft)	24000.00		

2A

MAIN 2"

Integration Summary

Output Channel(s)	Output Description	Input Parameter	Output Value	Unit
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Pass Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	Depth Shift	Include Parallel Data
2A	Log[5]:Up	Up	6011.38 ft	11304.86 ft	02-Sep-2013 2:31:05 PM	02-Sep-2013 8:03:44 PM	16.50 ft	

All depths are referenced to toolstring zero

Log

2A: Log[5]:Up

Description: Format: Log (2 in NUCLEAR) Index Scale: 2 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 03-Sep-2013 16:33:07

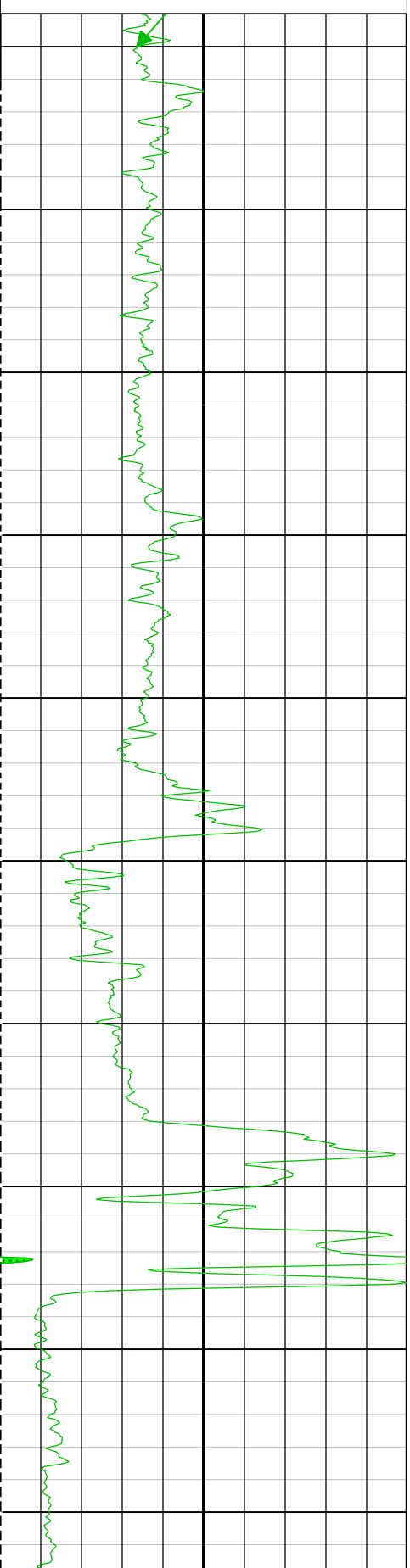
TIME_1900 - Time Marked every 60.00 (s)

GR > 200 GAPI
GR > 400 GAPI
Calibrated Gamma Ray (GR_CAL) EDTC-B
0 gAPI 200

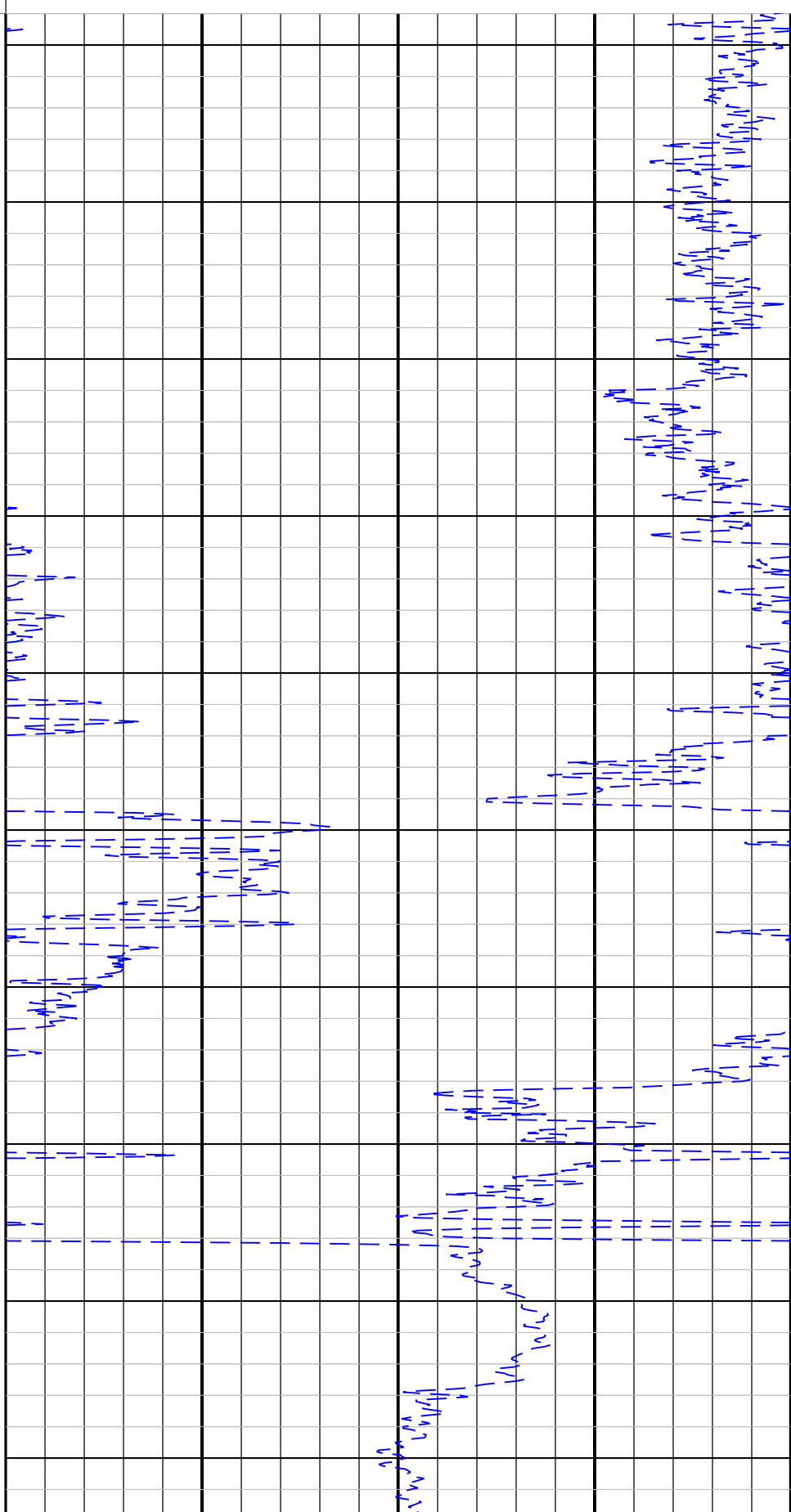
Density Standoff Correction (HDRA) HDRS-B		
-0.05	g/cm3	0.45

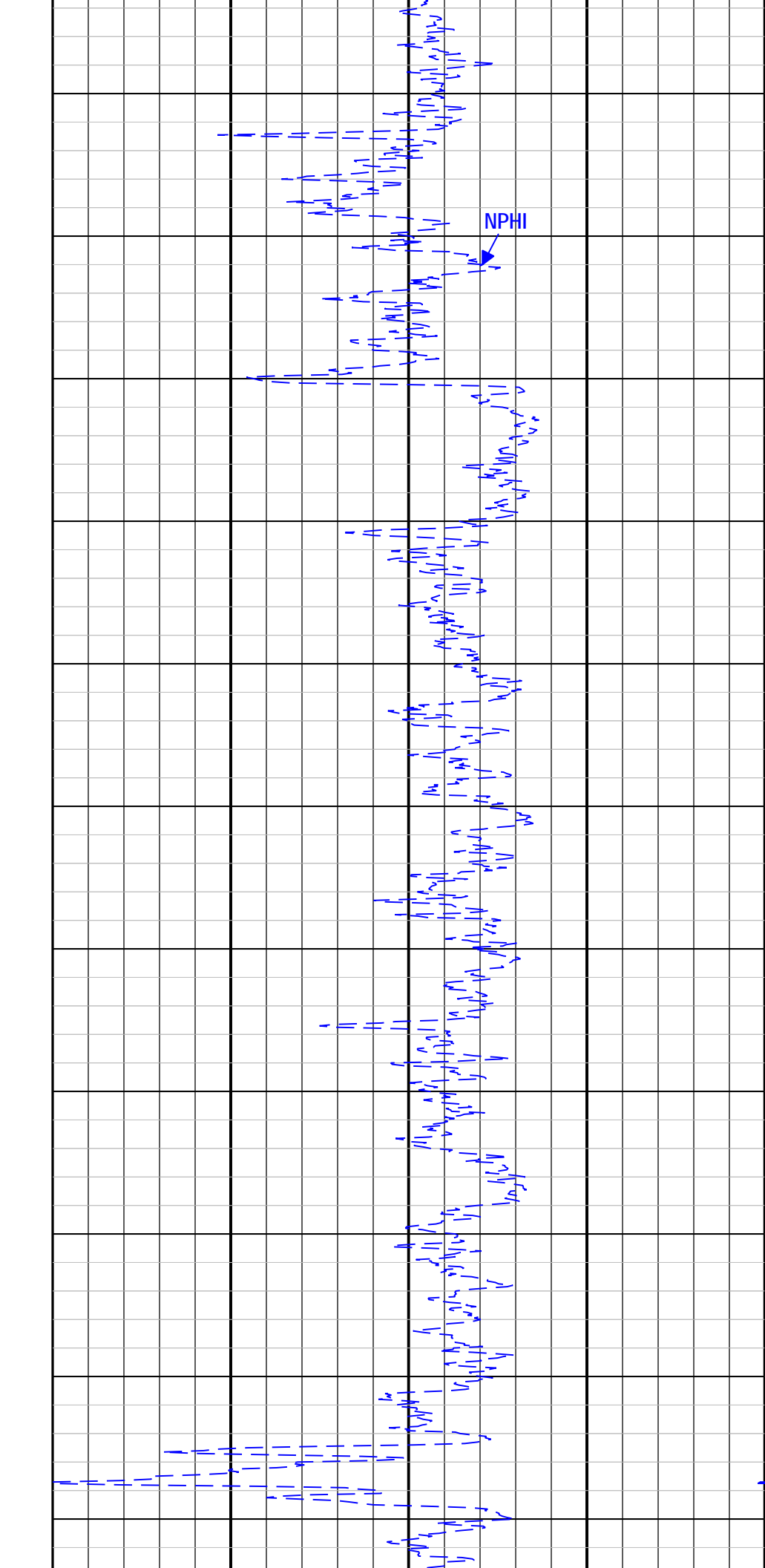
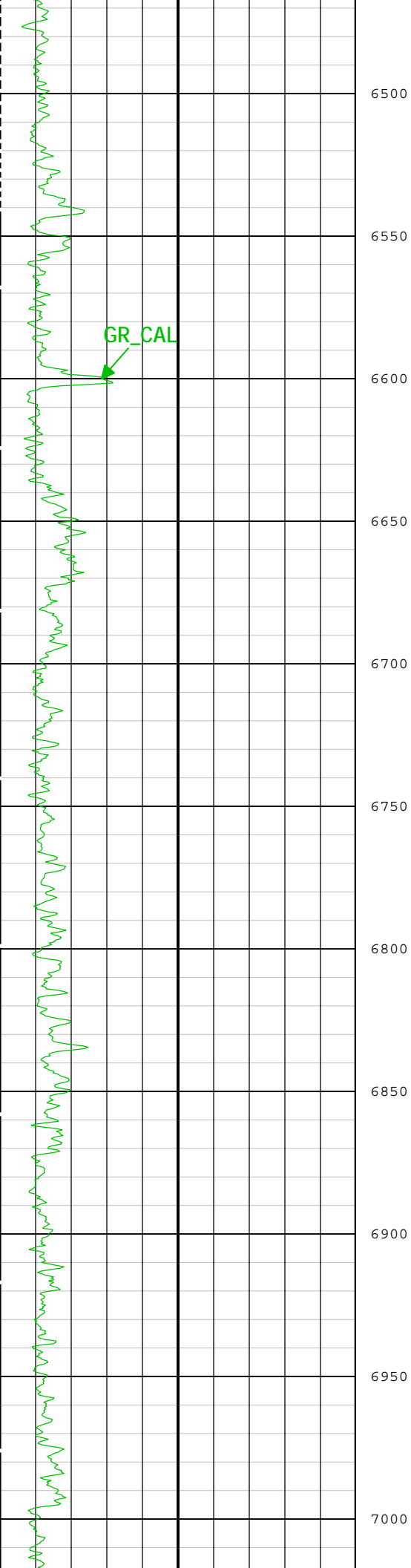
GAS EFFECT		
Thermal Neutron Porosity (original Ratio Method) in Selected Lithology (NPHI) HGNS-B		
0.3	ft3/ft3	-0.1

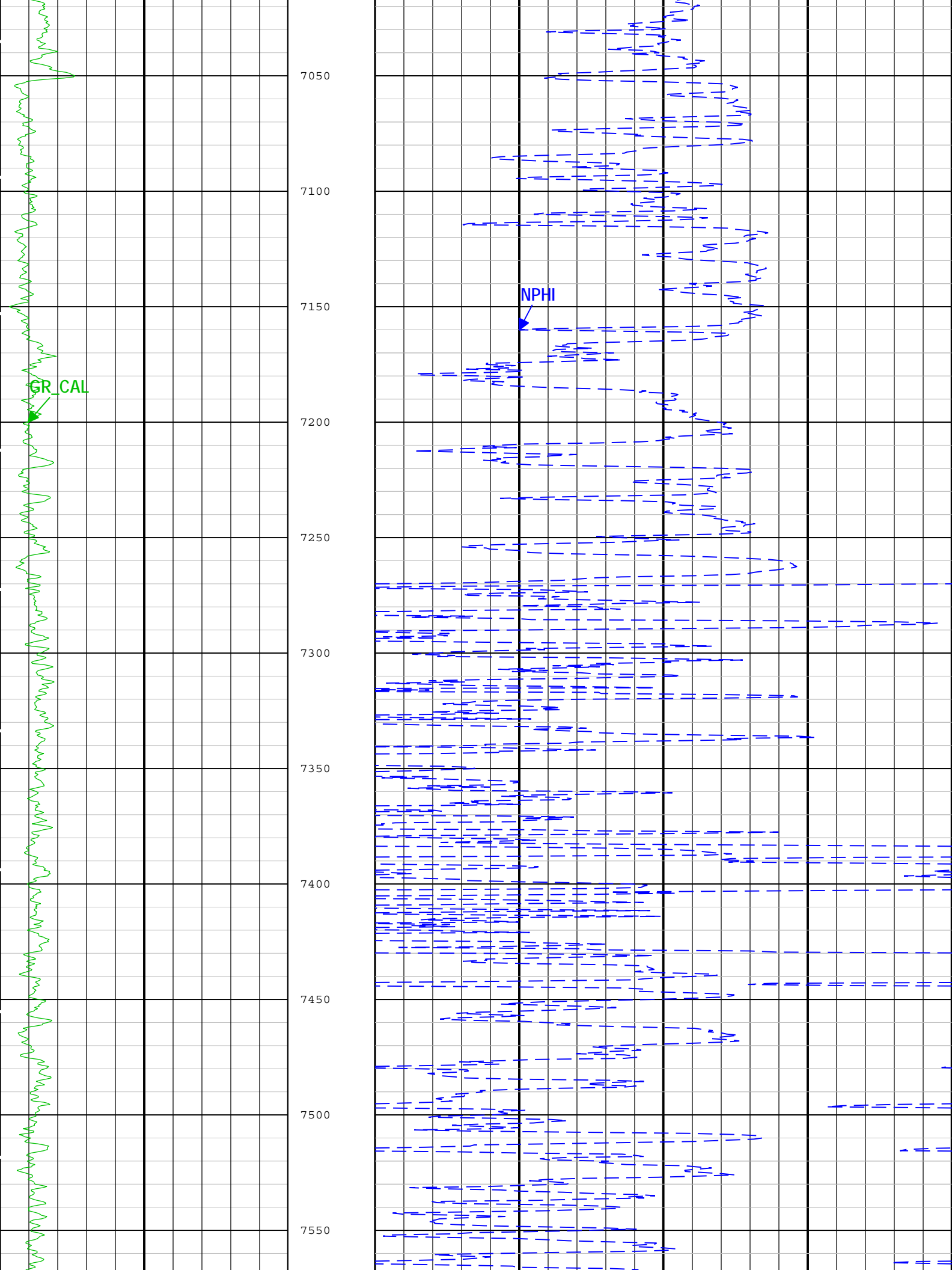
Bit Size (BS)
6 in 16
Cable Tension (TENS)
10000 lbf 0
Caliper (CALI) HDRS-B
6 in 16

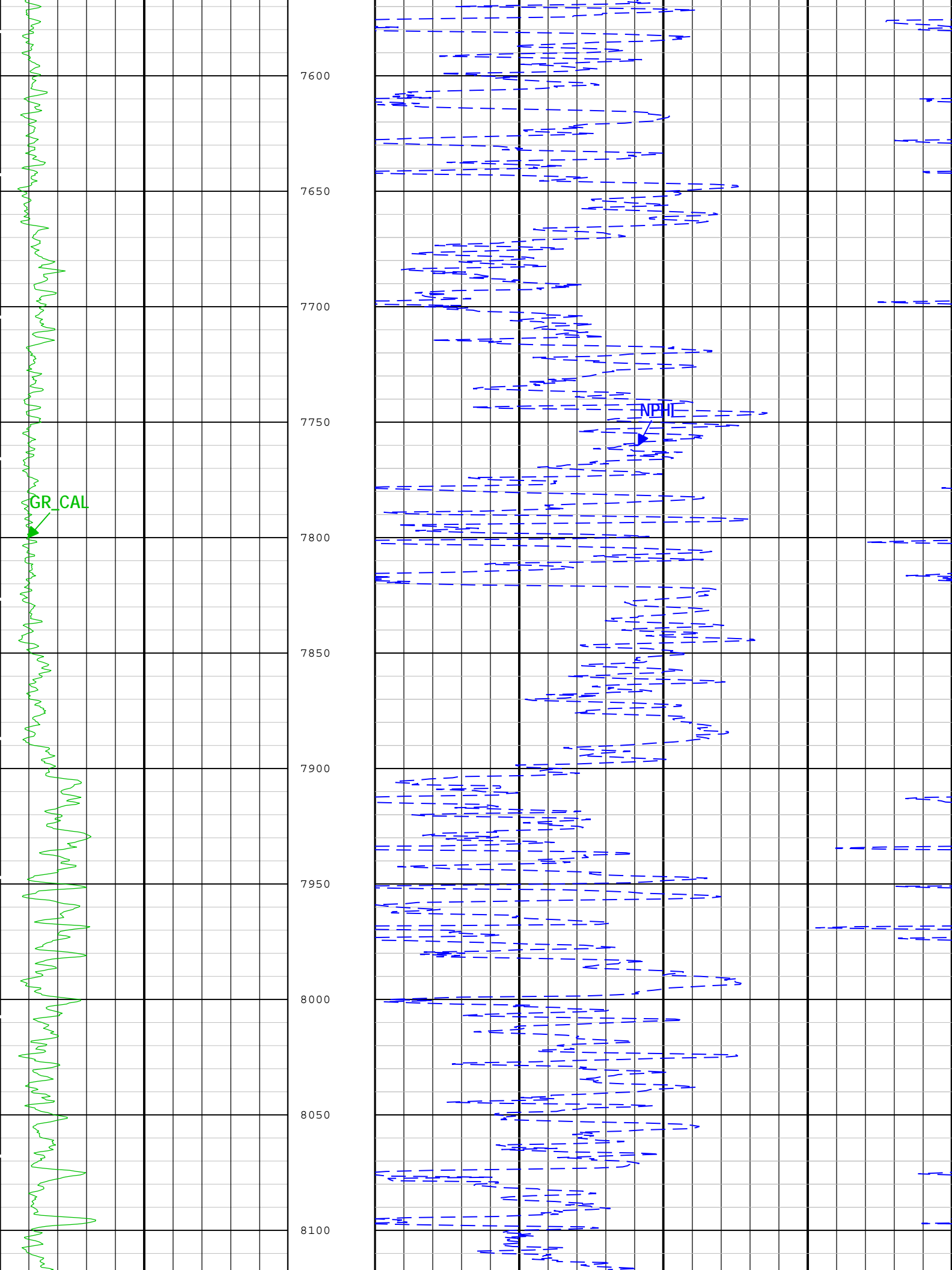


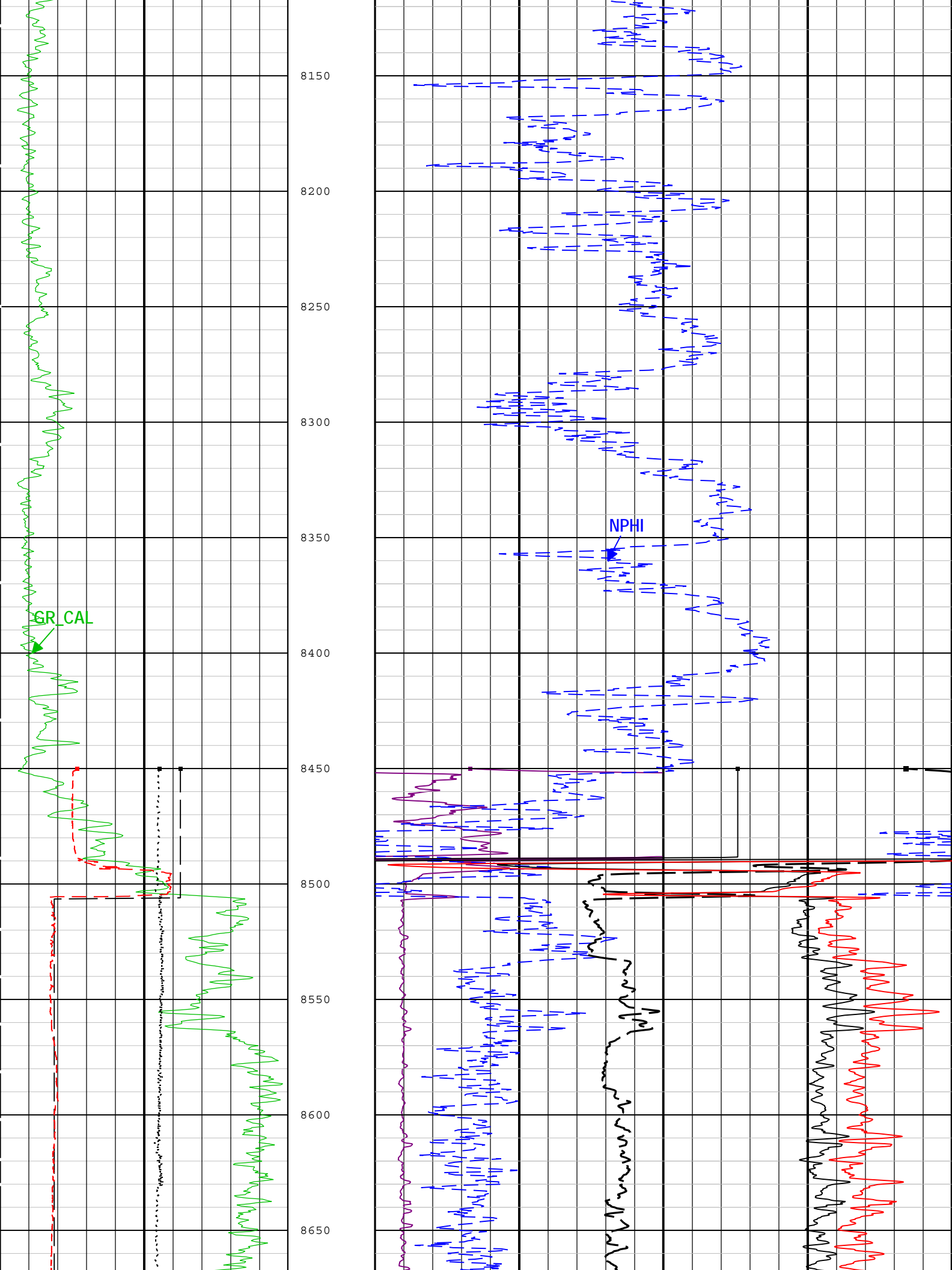
Standard Resolution Formation Photoelectric Factor (PEFZ) HDRS-B
0 10
Standard Resolution Formation Density (RHOZ) HDRS-B
2 g/cm3 3
Standard Resolution Density Porosity (DPHZ) HDRS-B
0.3 ft3/ft3 -0.1

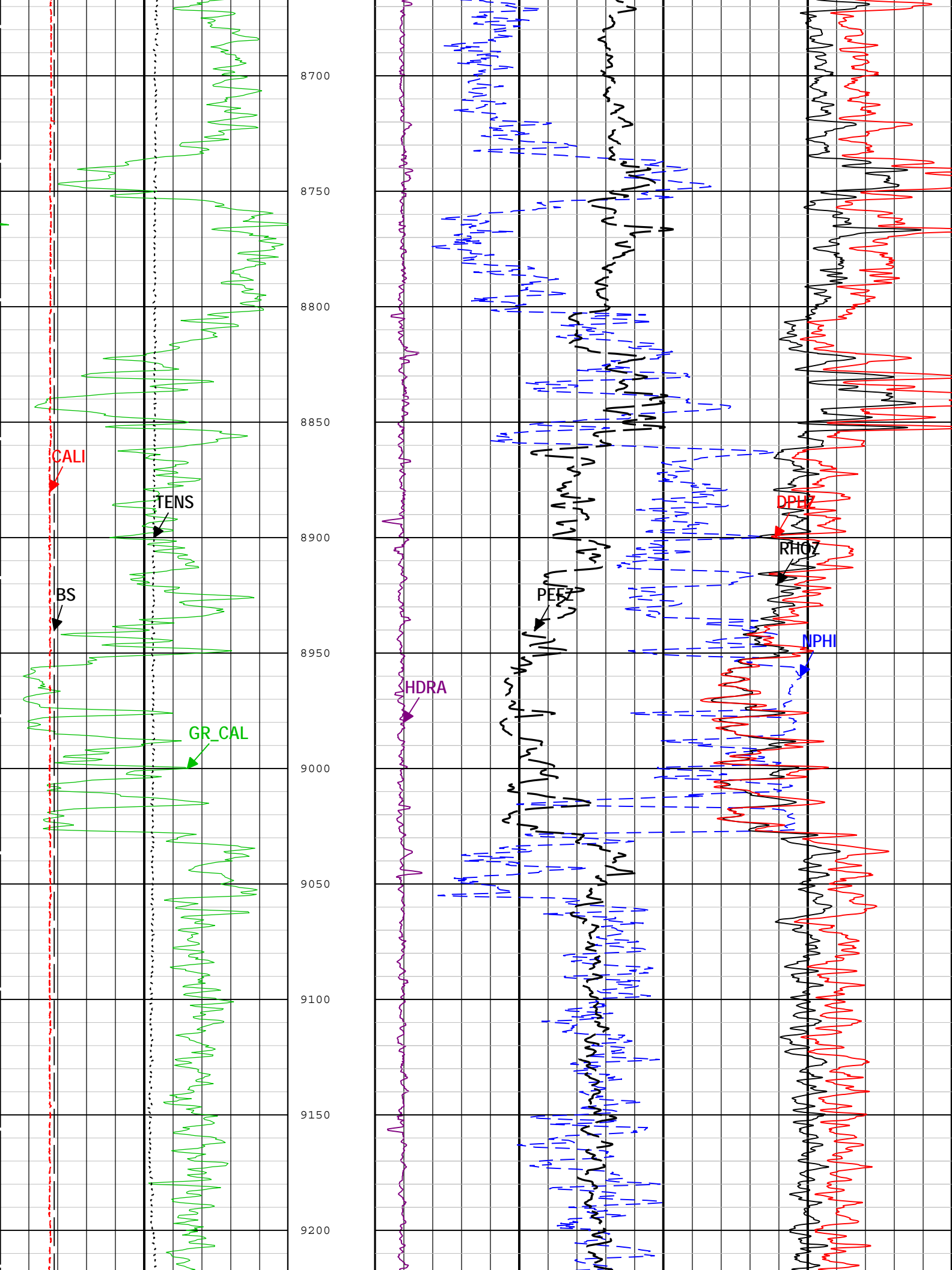


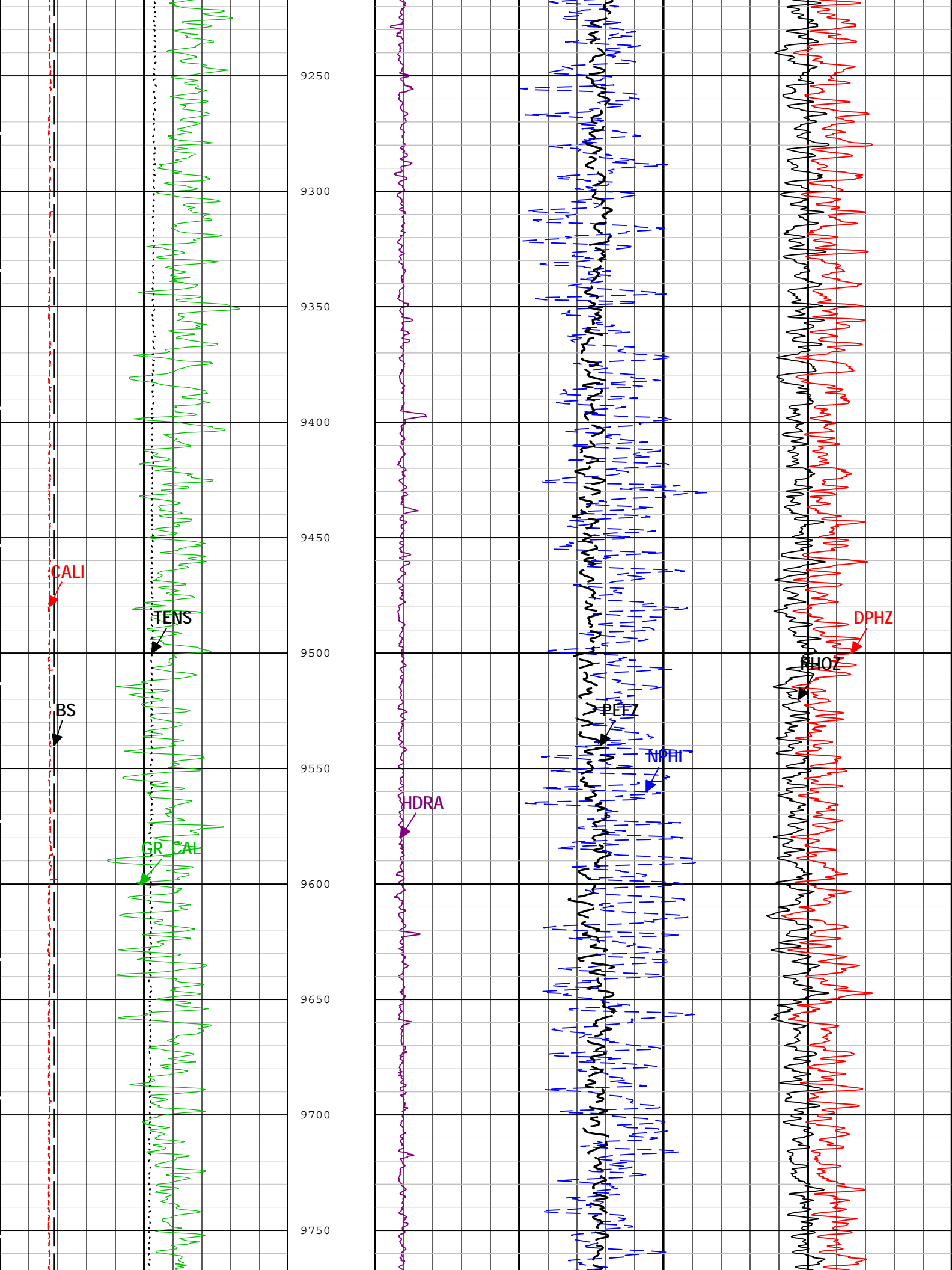


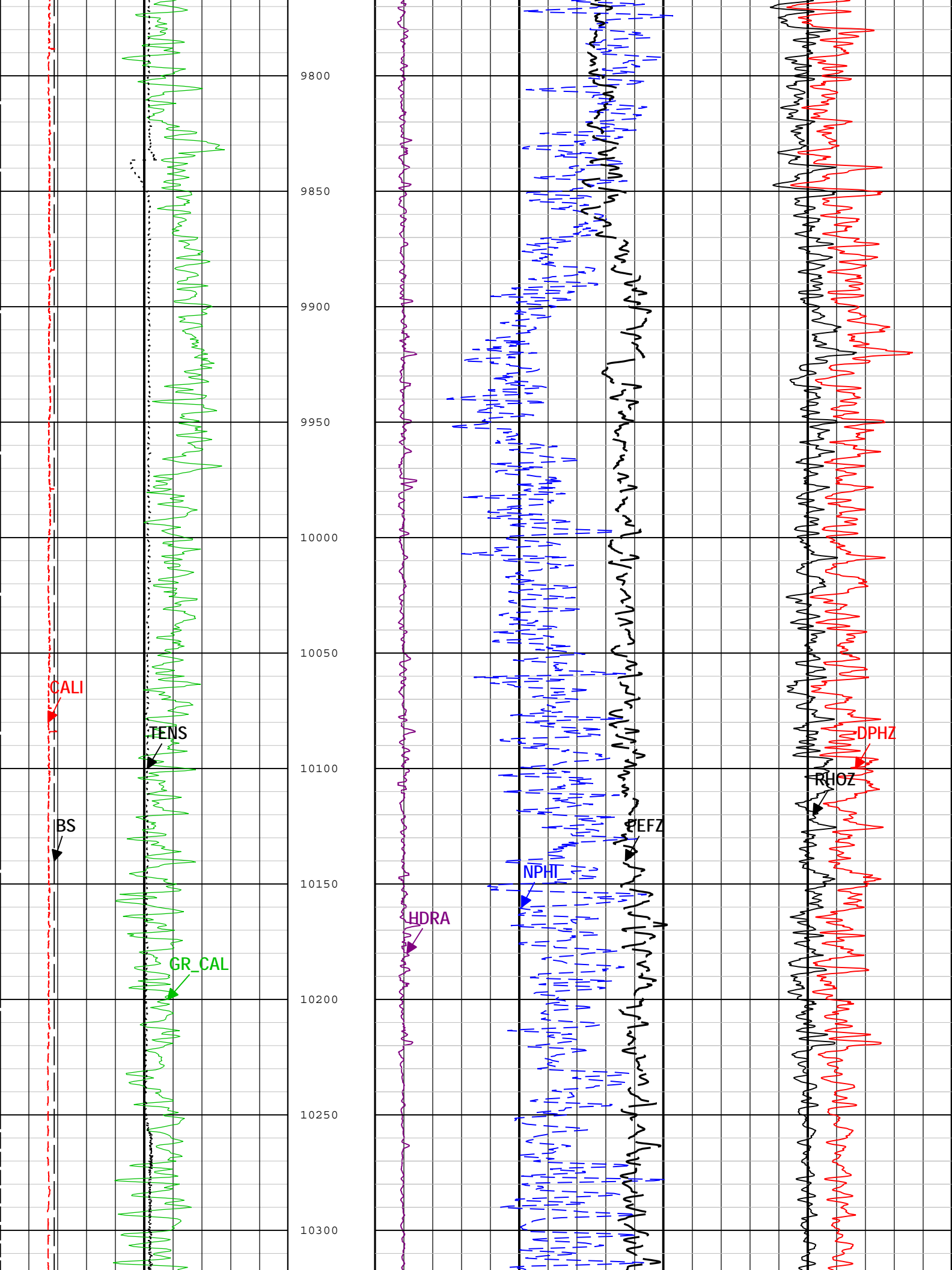


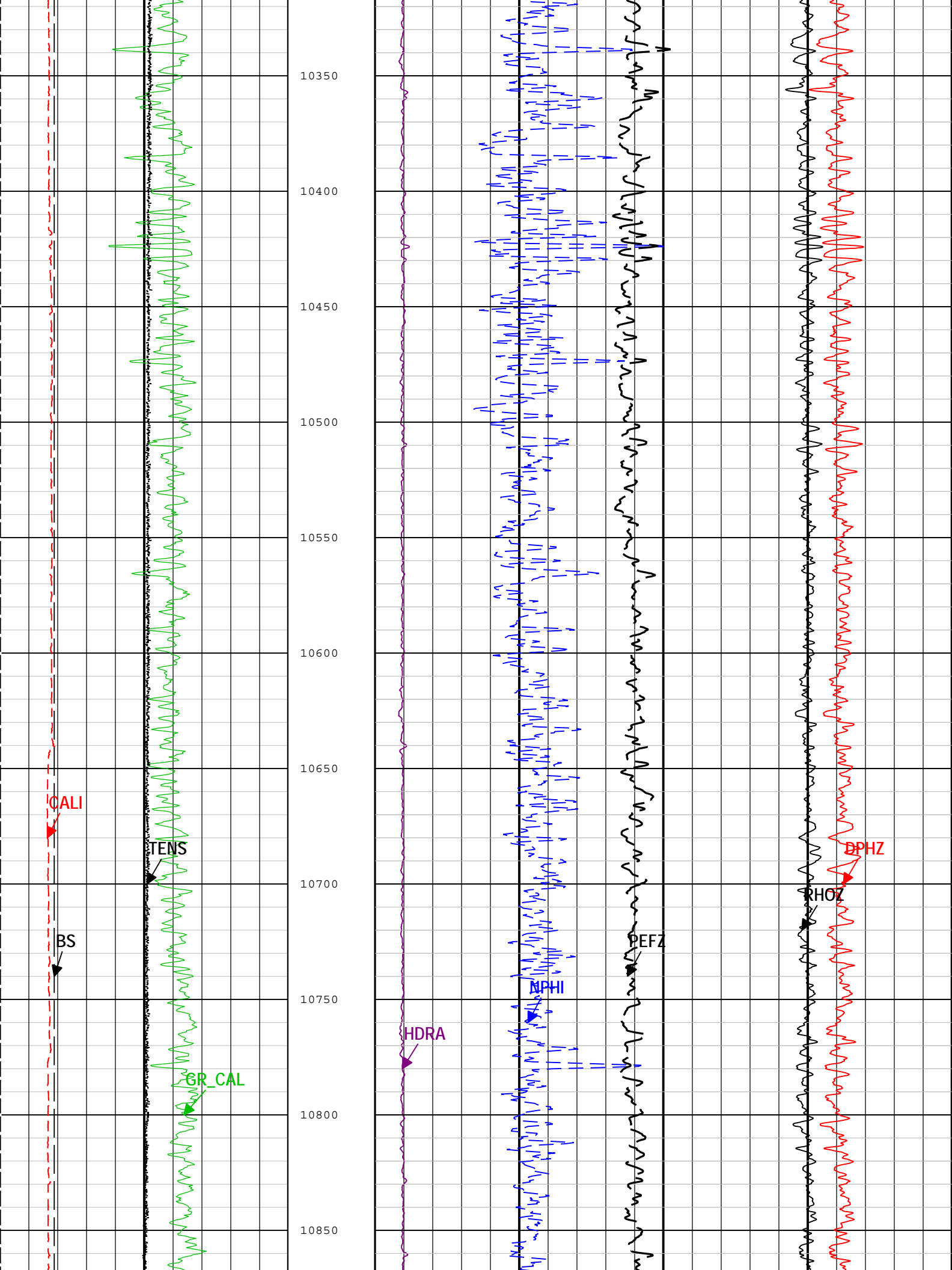


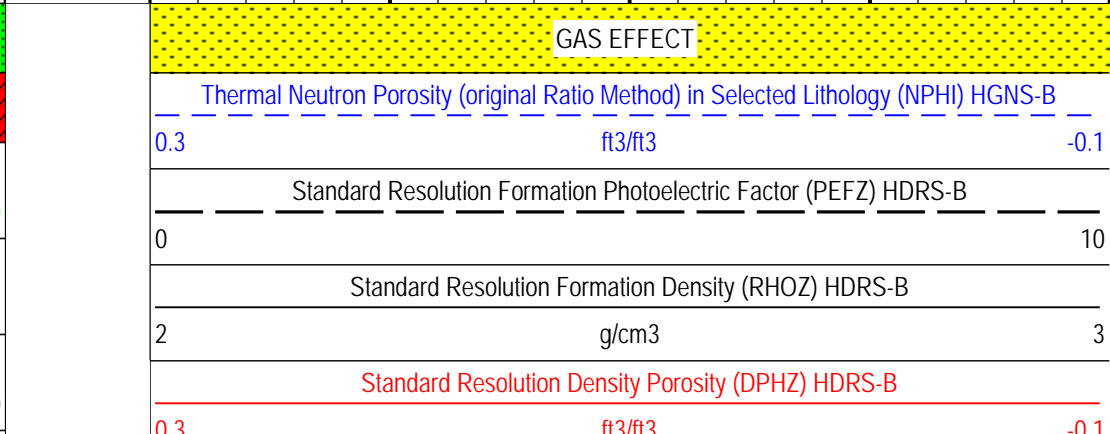
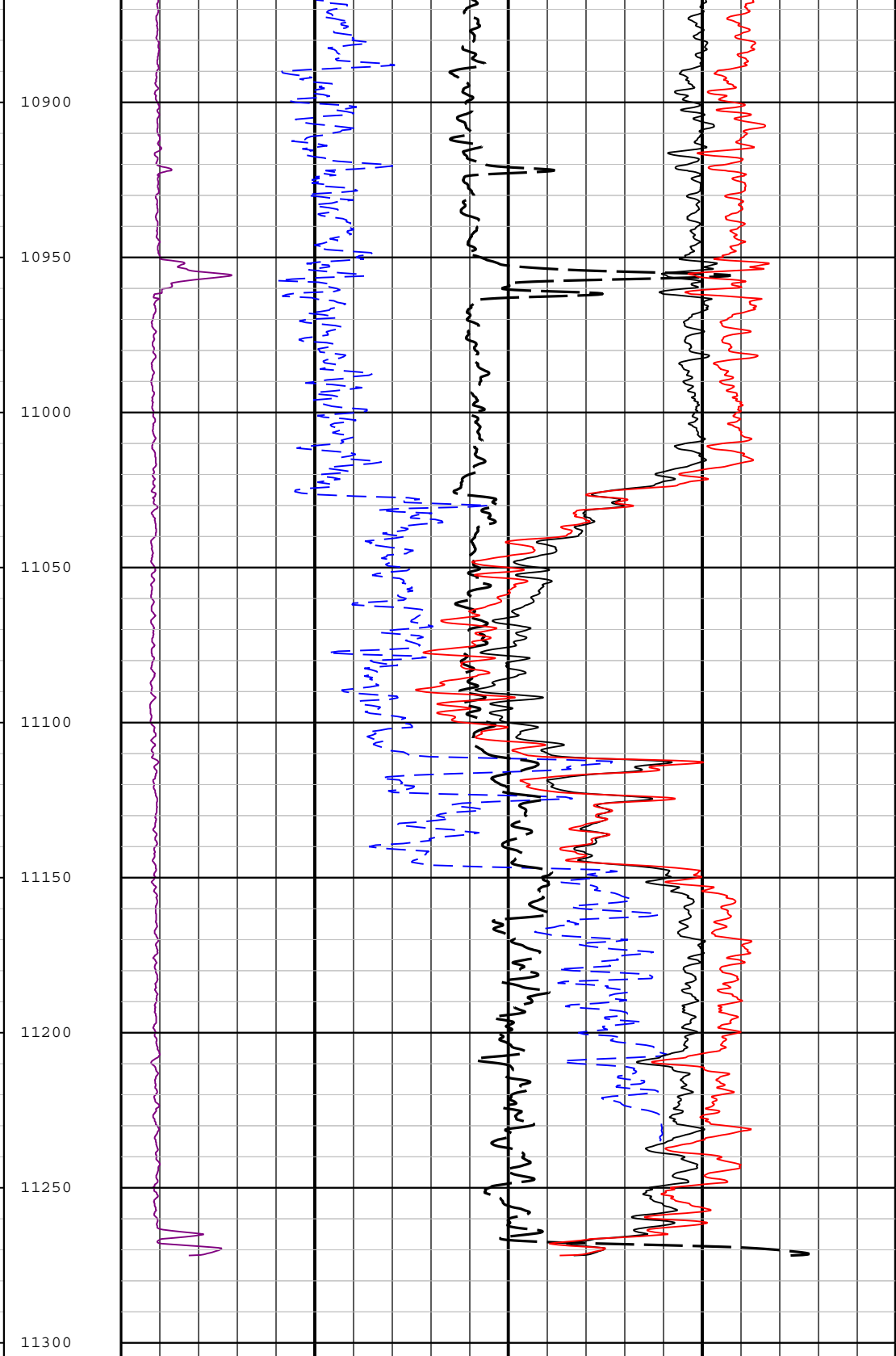
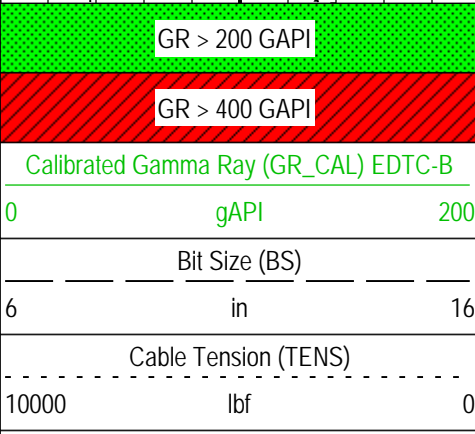
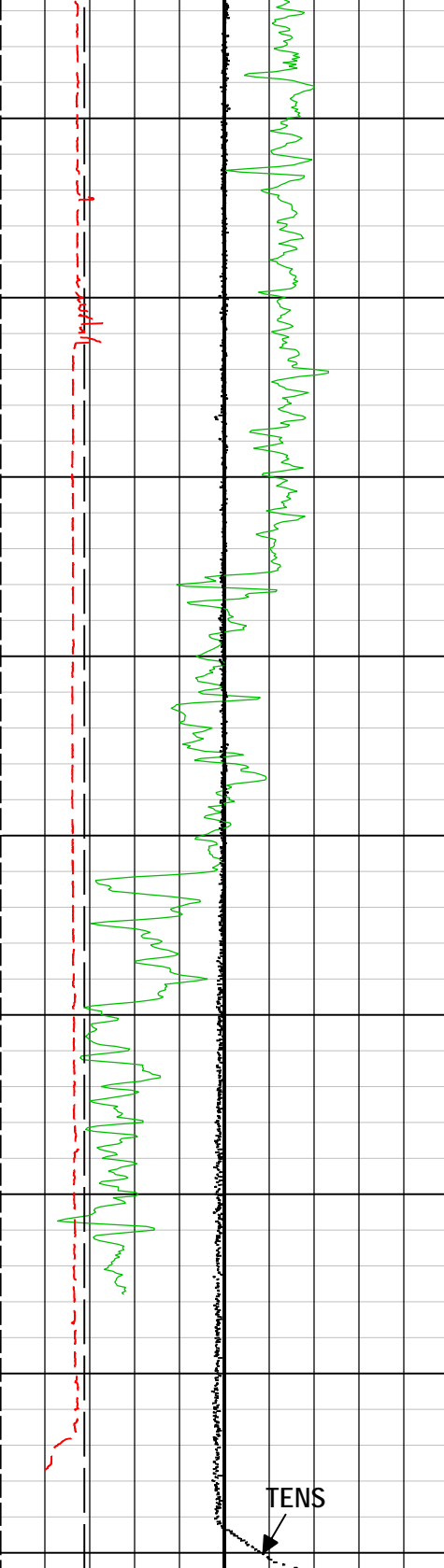












6 in 16

Density Standoff Correction (HDRA) HDRS-B

-0.05 g/cm3 0.45

TIME_1900 - Time Marked every 60.00 (s)

Description: Format: Log (2 in NUCLEAR) Index Scale: 2 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 03-Sep-2013 16:33:07

Channel Processing Parameters

Parameter	Description	Tool	Value	Unit
BARI	Barite Mud Presence Flag	Borehole	No	
BHS	Borehole Status (Open or Cased Hole)	Borehole	Depth Zoned	
BS	Bit Size	WLSESSION	Depth Zoned	in
CALI_SHIFT	CALI Supplementary Offset	HDRS-B	0	in
CBLO	Casing Bottom (Logger)	WLSESSION	8490	ft
DC_MODE	Depth Correction Mode	DepthCorrection	Real-time	
DFD	Drilling Fluid Density	Borehole	11.1	lbm/gal
DFT	Drilling Fluid Type	Borehole	Water	
DHC	Density Hole Correction	HDRS-B	Bit Size	
FD	Fluid Density	Borehole	1	g/cm3
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	
MATR	Rock Matrix for Neutron Porosity Corrections	Borehole	LIMESTONE	
MDEN	Matrix Density for Density Porosity	Borehole	2.71	g/cm3
NPRM	HRDD Nuclear Processing Mode	HDRS-B	High Resolution	

Depth Zone Parameters

Parameter	Value	Start (ft)	Stop (ft)
BHS	Cased	5990	8480
BHS	Open	8480	11304.83
BS	12.25	5990	8506
BS	7.875	8506	11304.83

All depth are actual.

Tool Control 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	

2A

MAIN 5"

Integration Summary

Output Channel(s)	Output Description	Input Parameter	Output Value	Unit
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Pass Summary

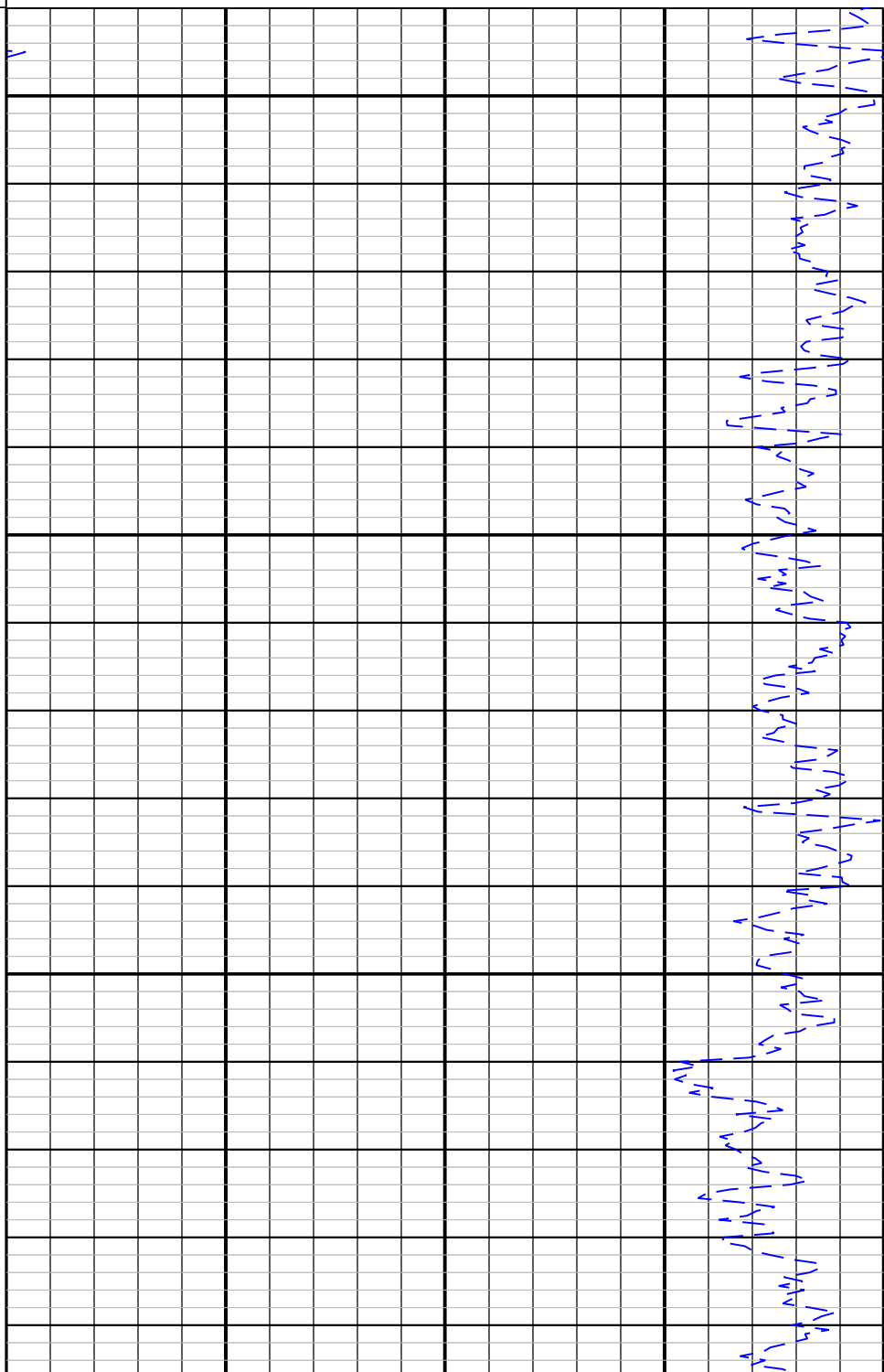
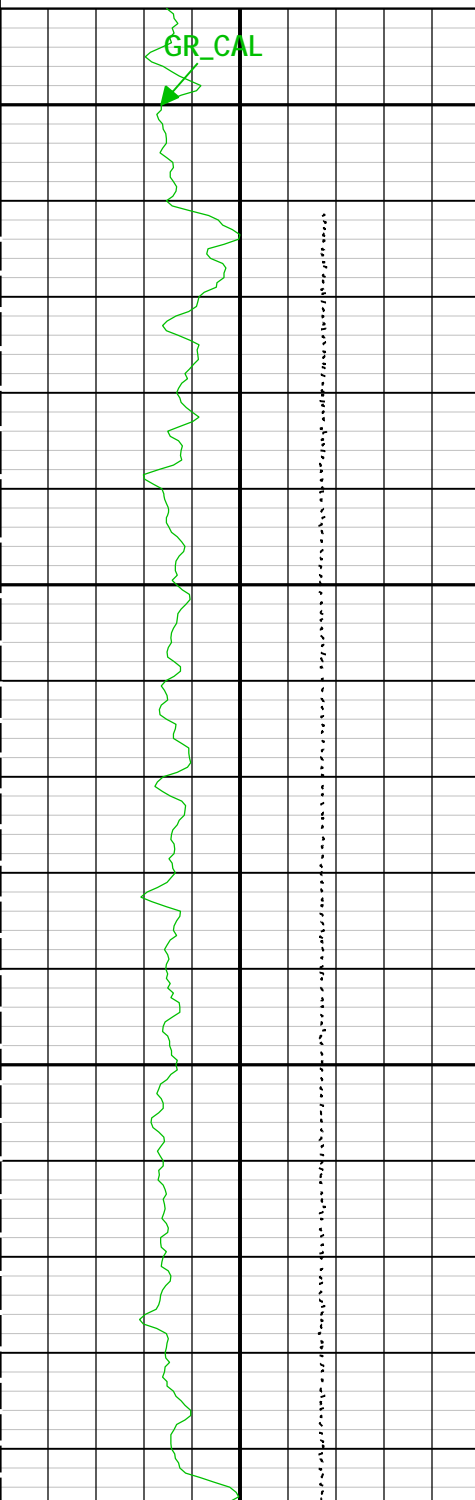
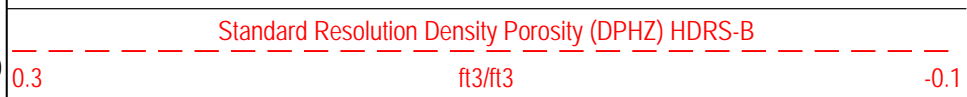
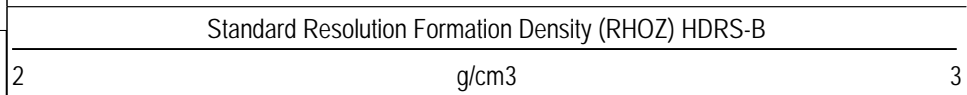
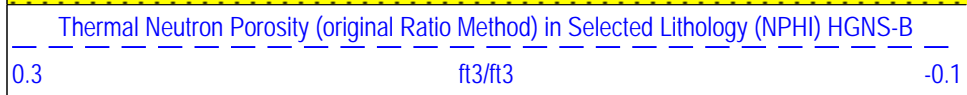
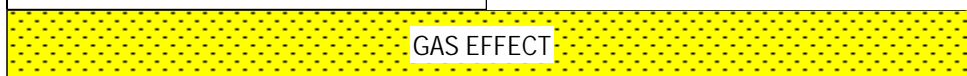
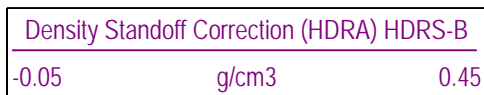
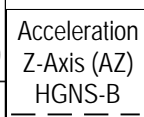
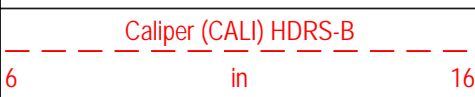
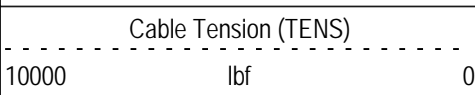
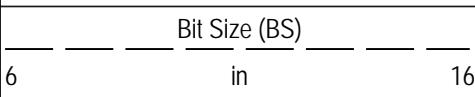
Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	Depth Shift	Include Parallel Data
2A	Log[5]:Up	Up	6011.38 ft	11304.86 ft	02-Sep-2013 2:31:05 PM	02-Sep-2013 8:03:44 PM	16.50 ft	

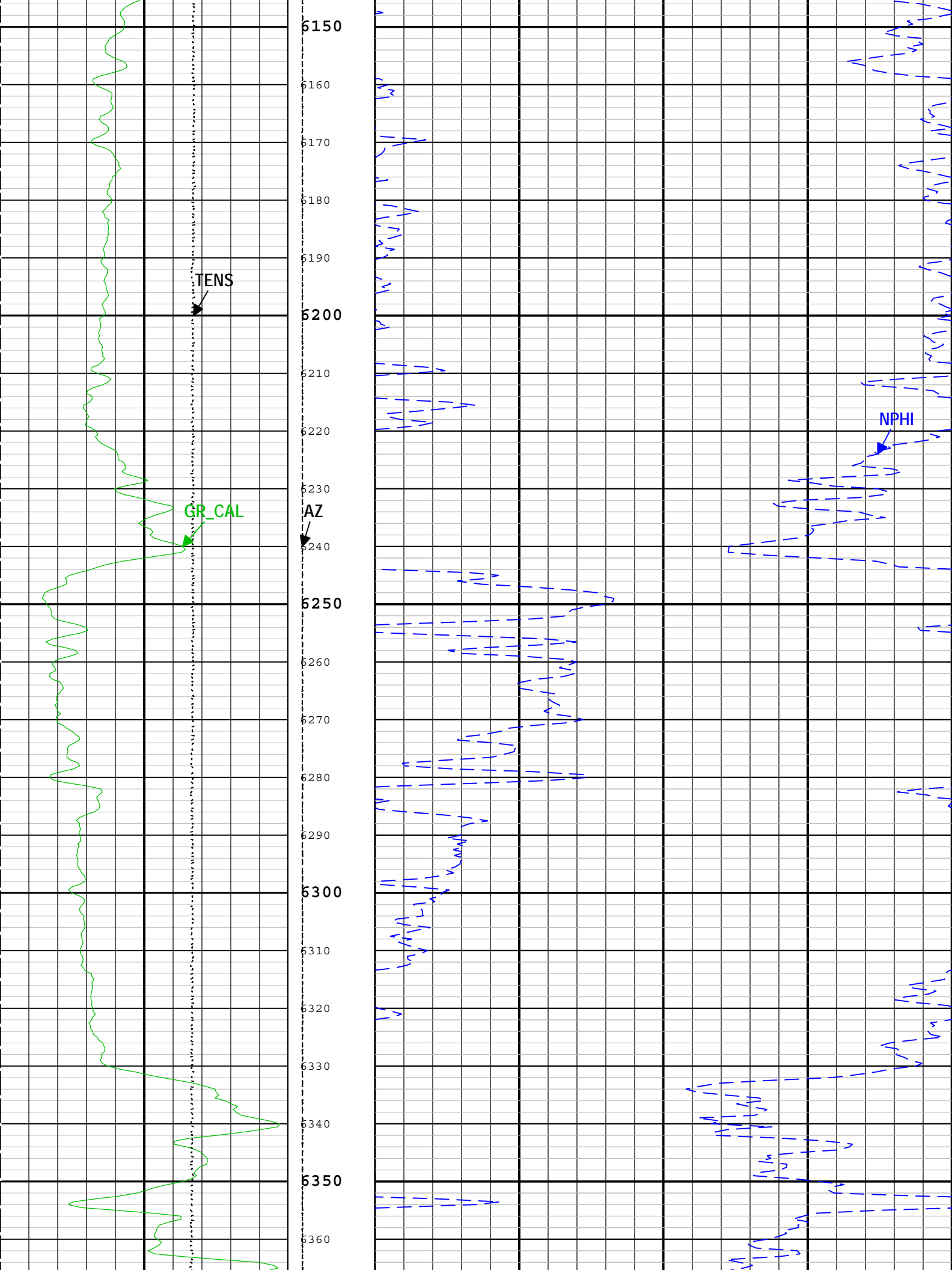
All depths are referenced to toolstring zero

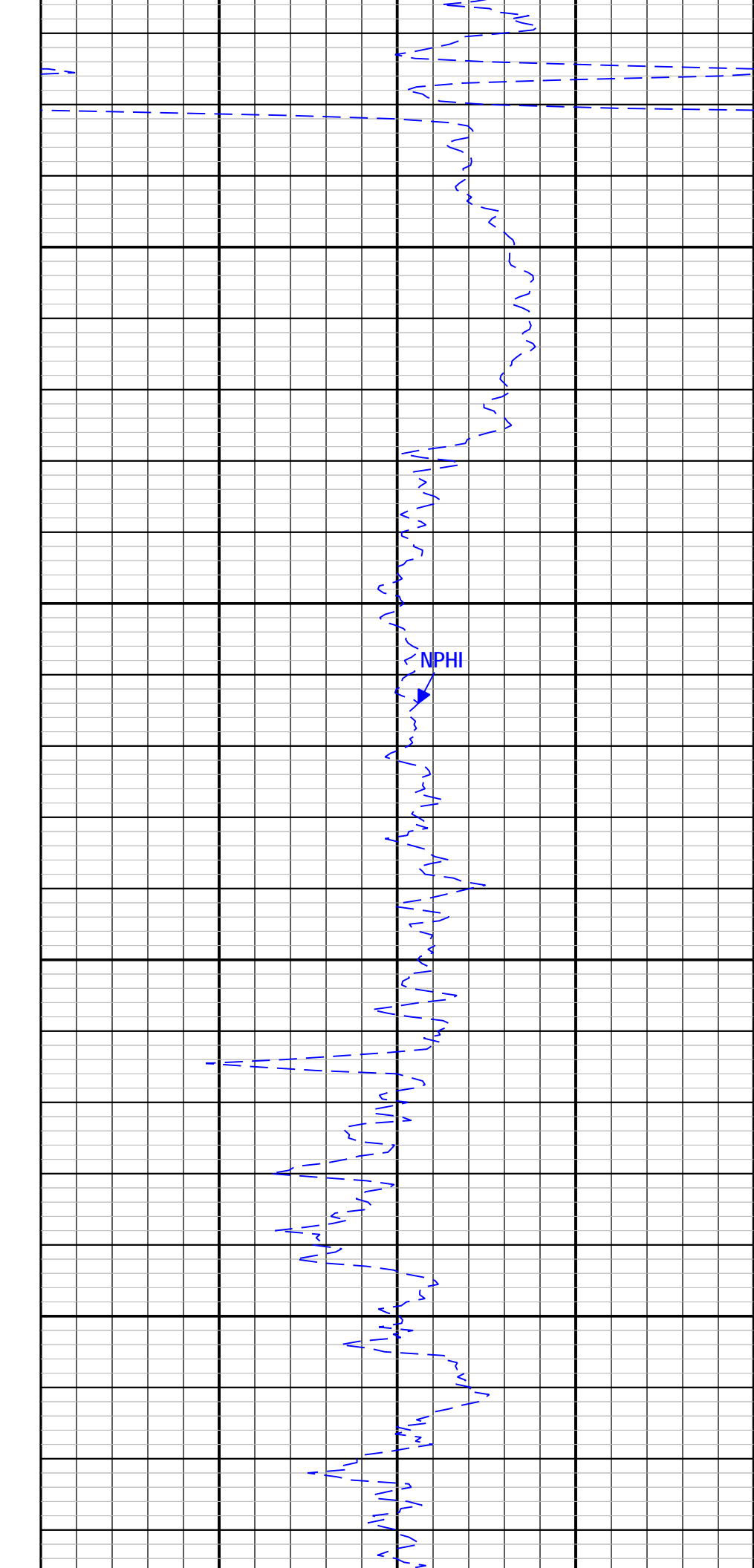
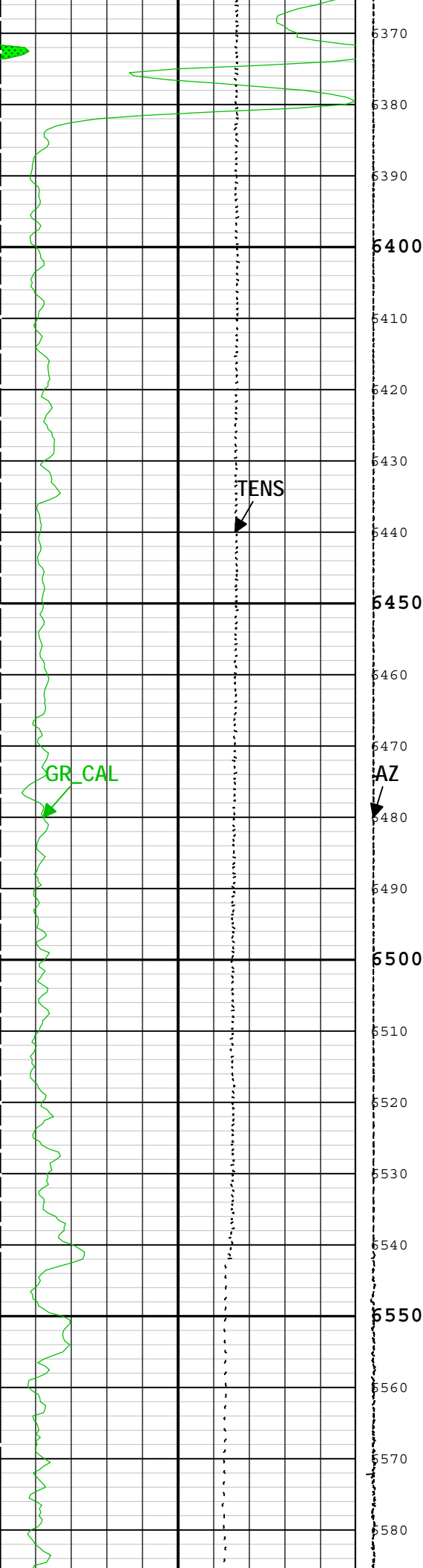
Log

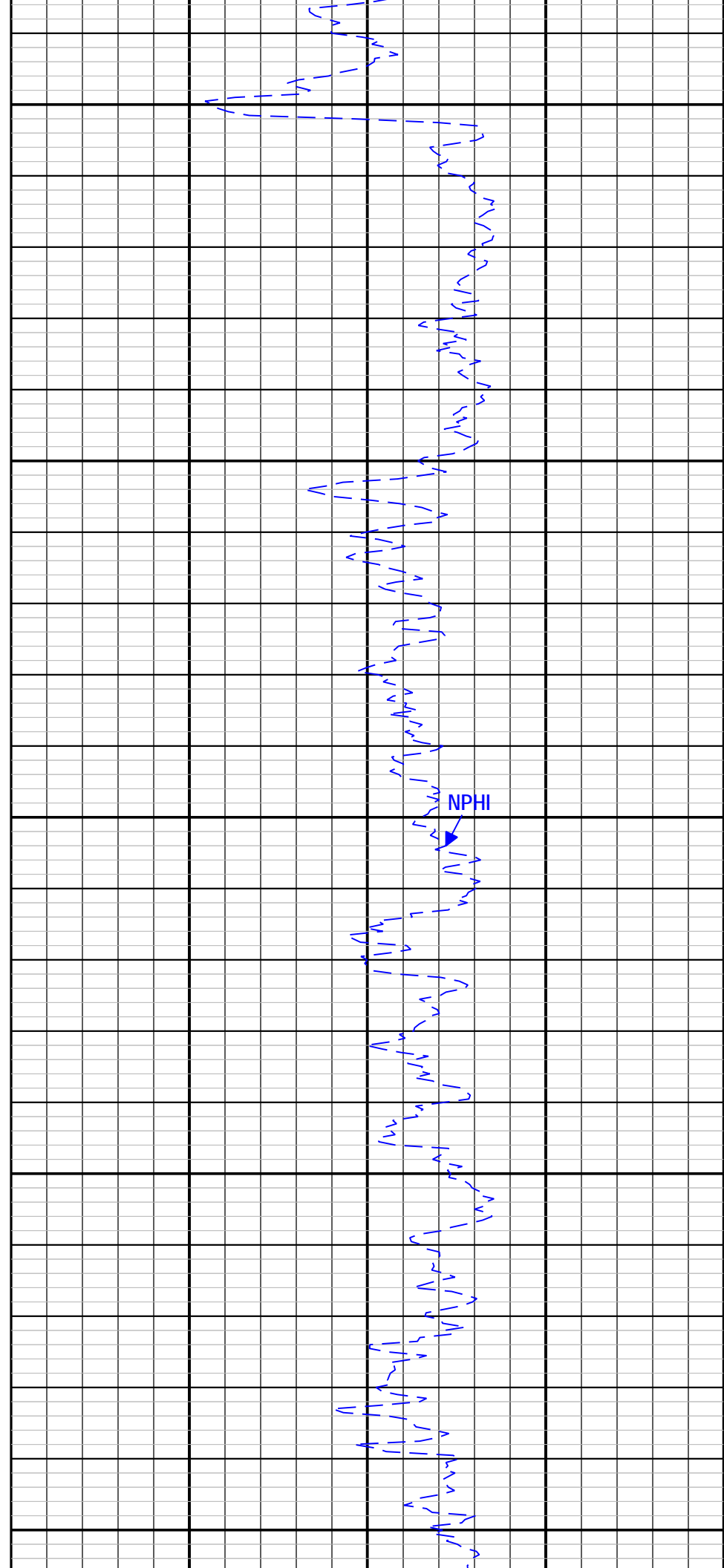
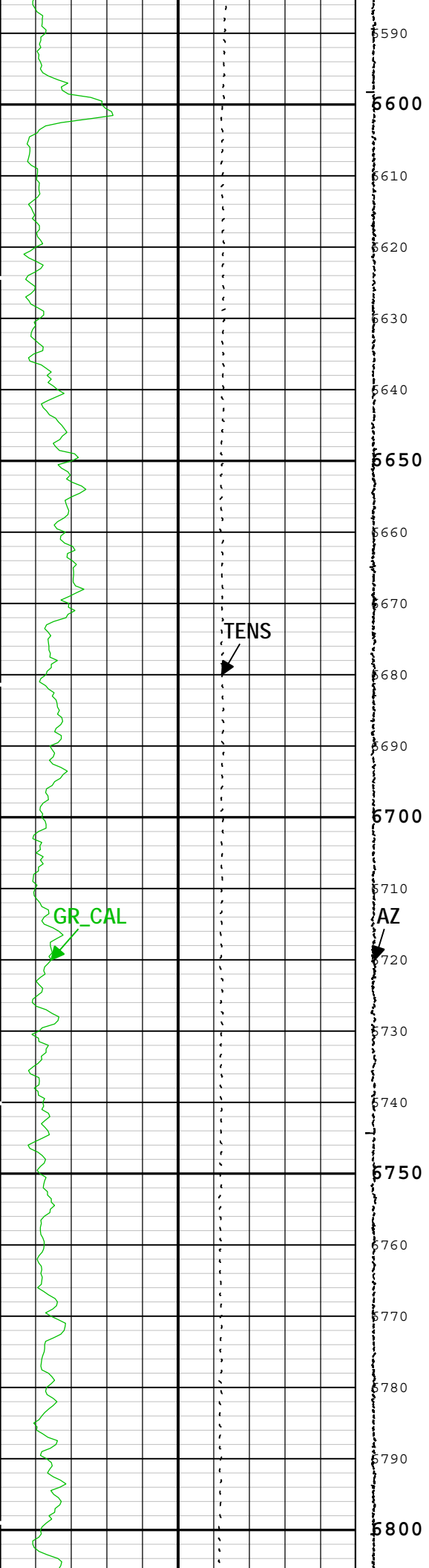
2A: Log[5]:Up

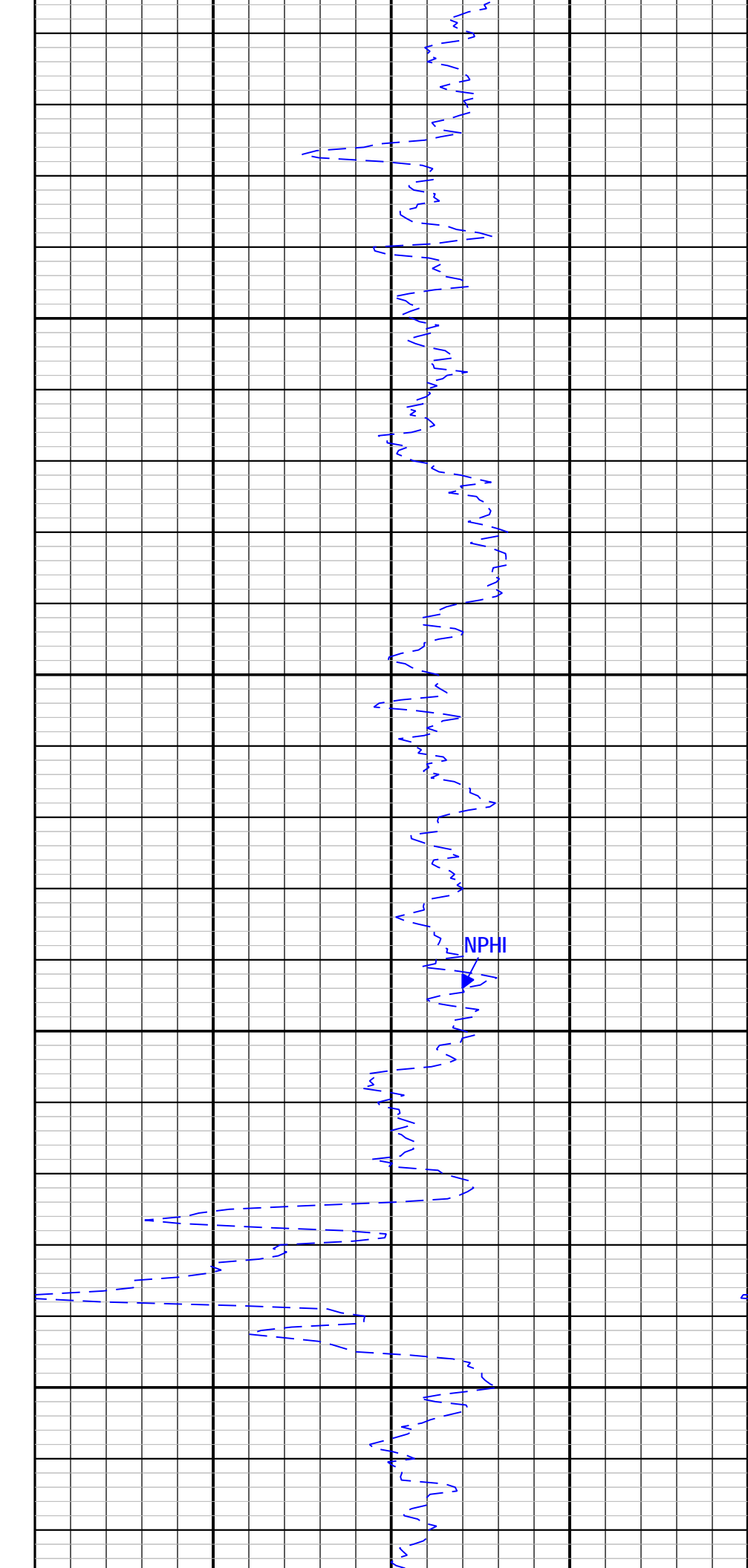
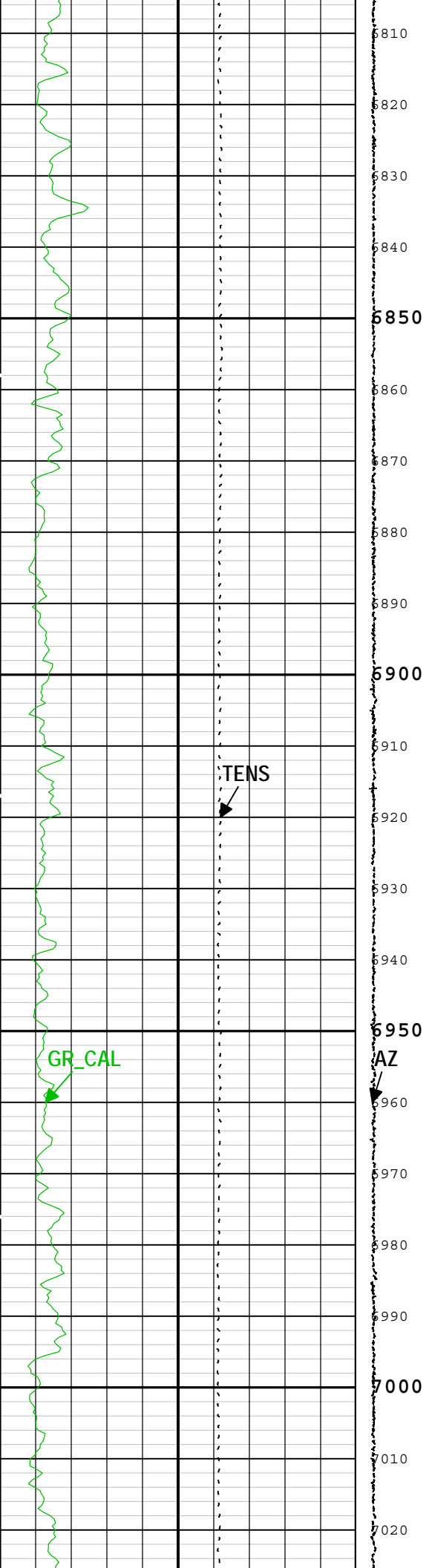
Description: Format: Log (5 in NUCLEAR) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 03-Sep-2013 16:33:07

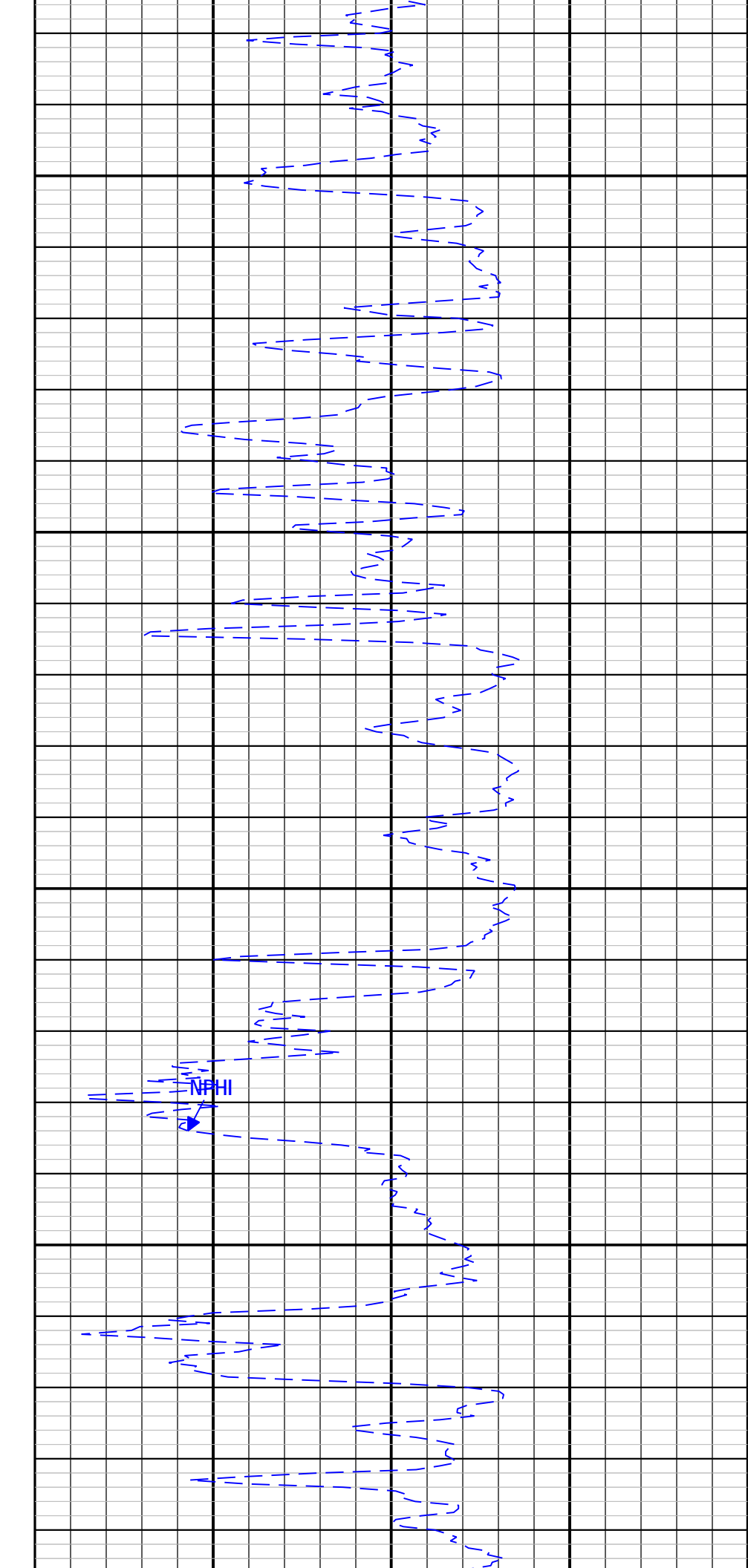
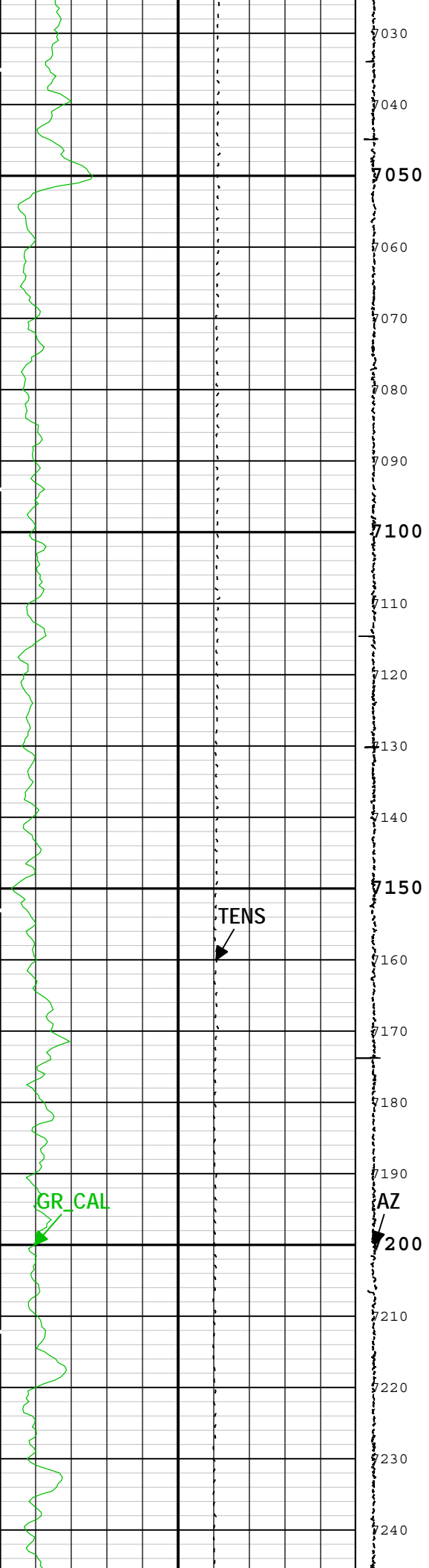


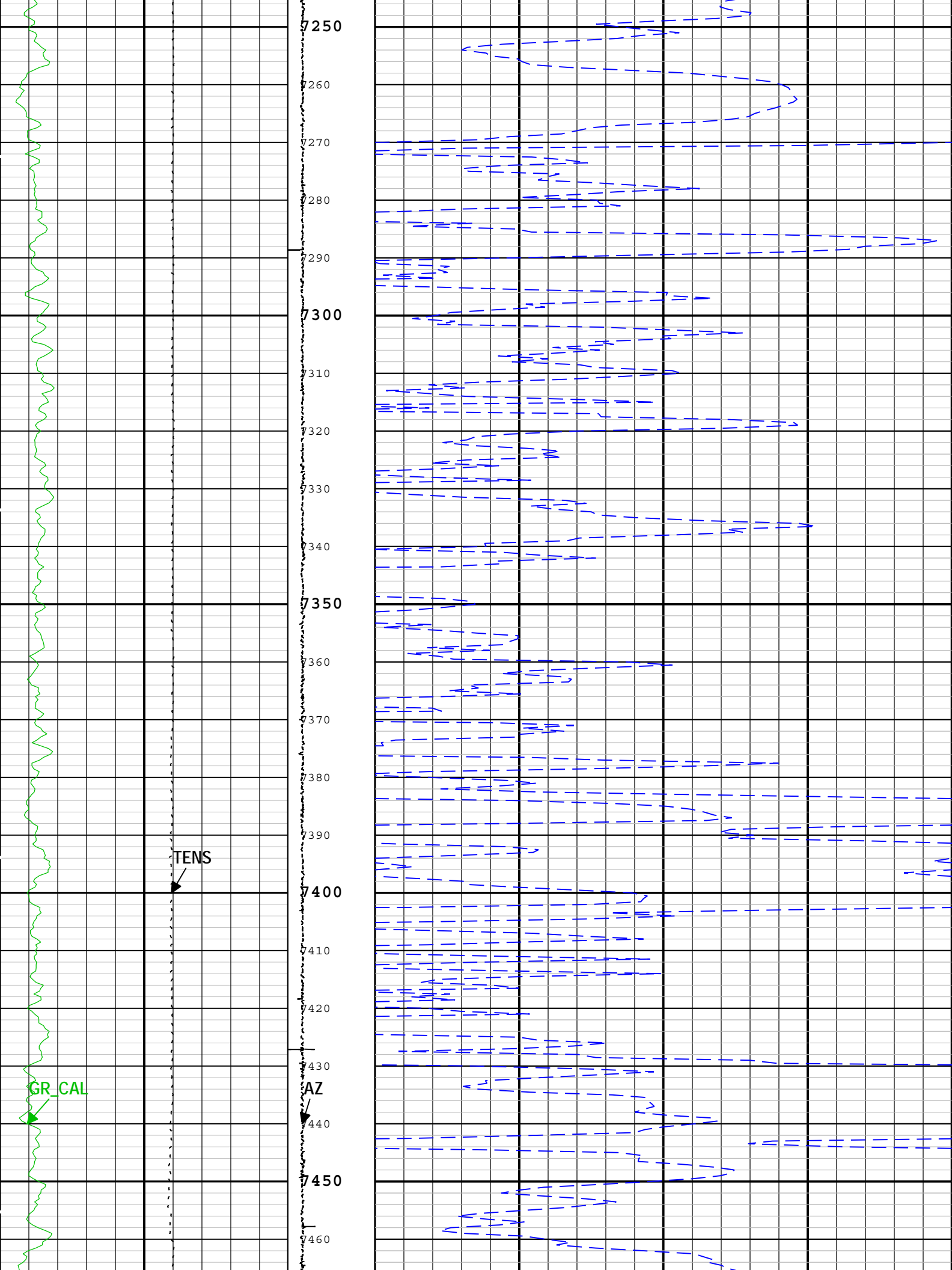


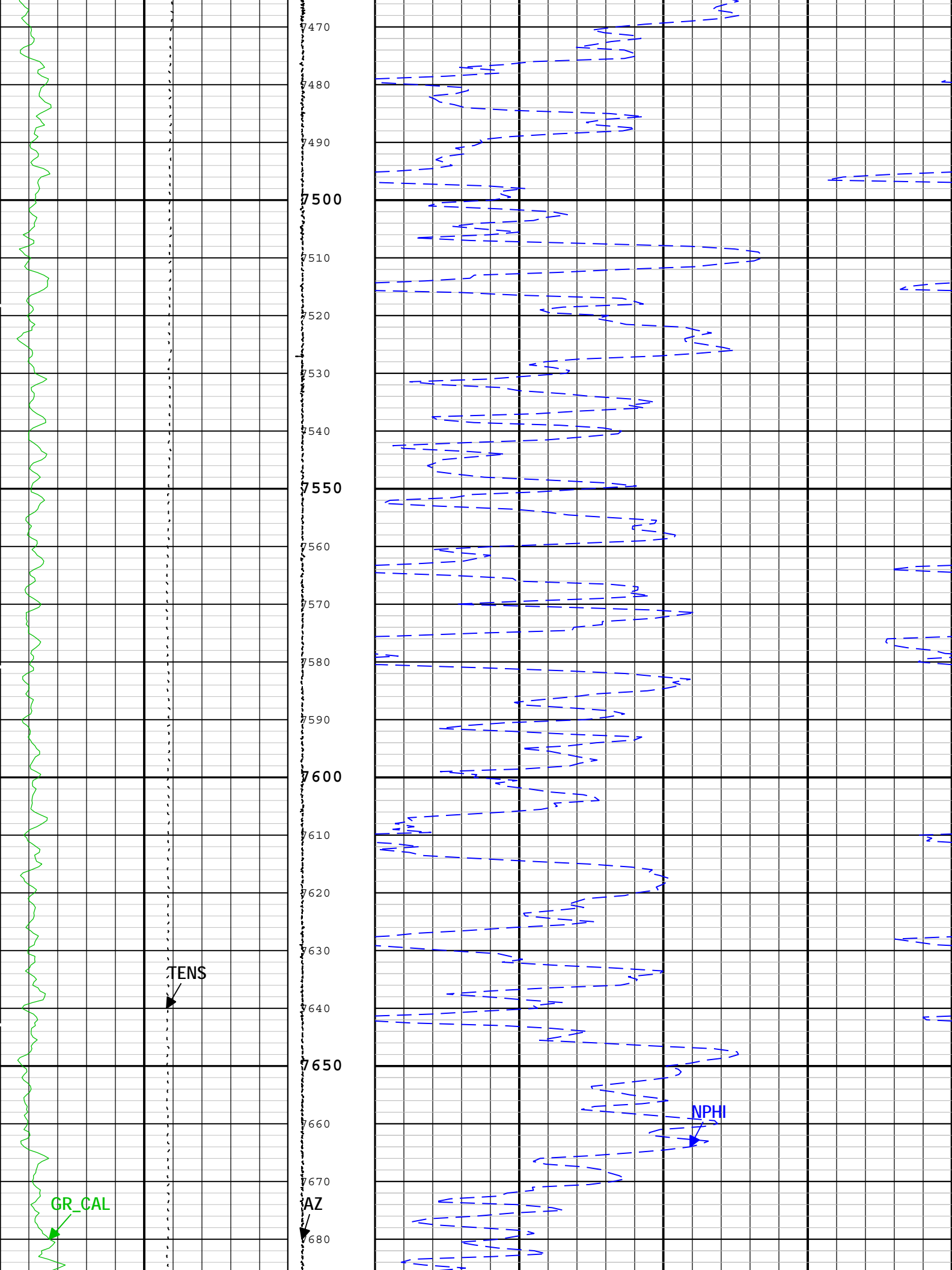


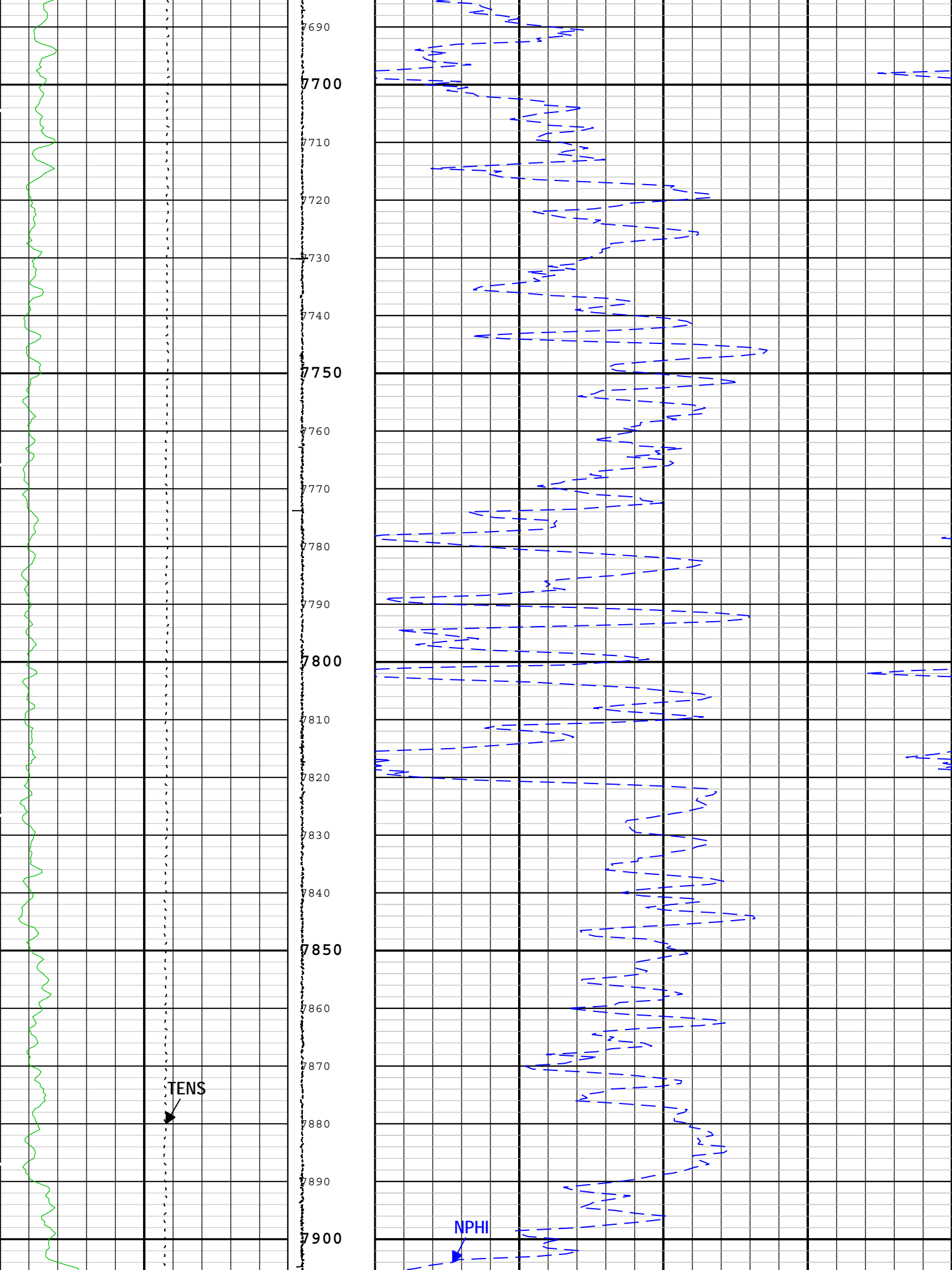


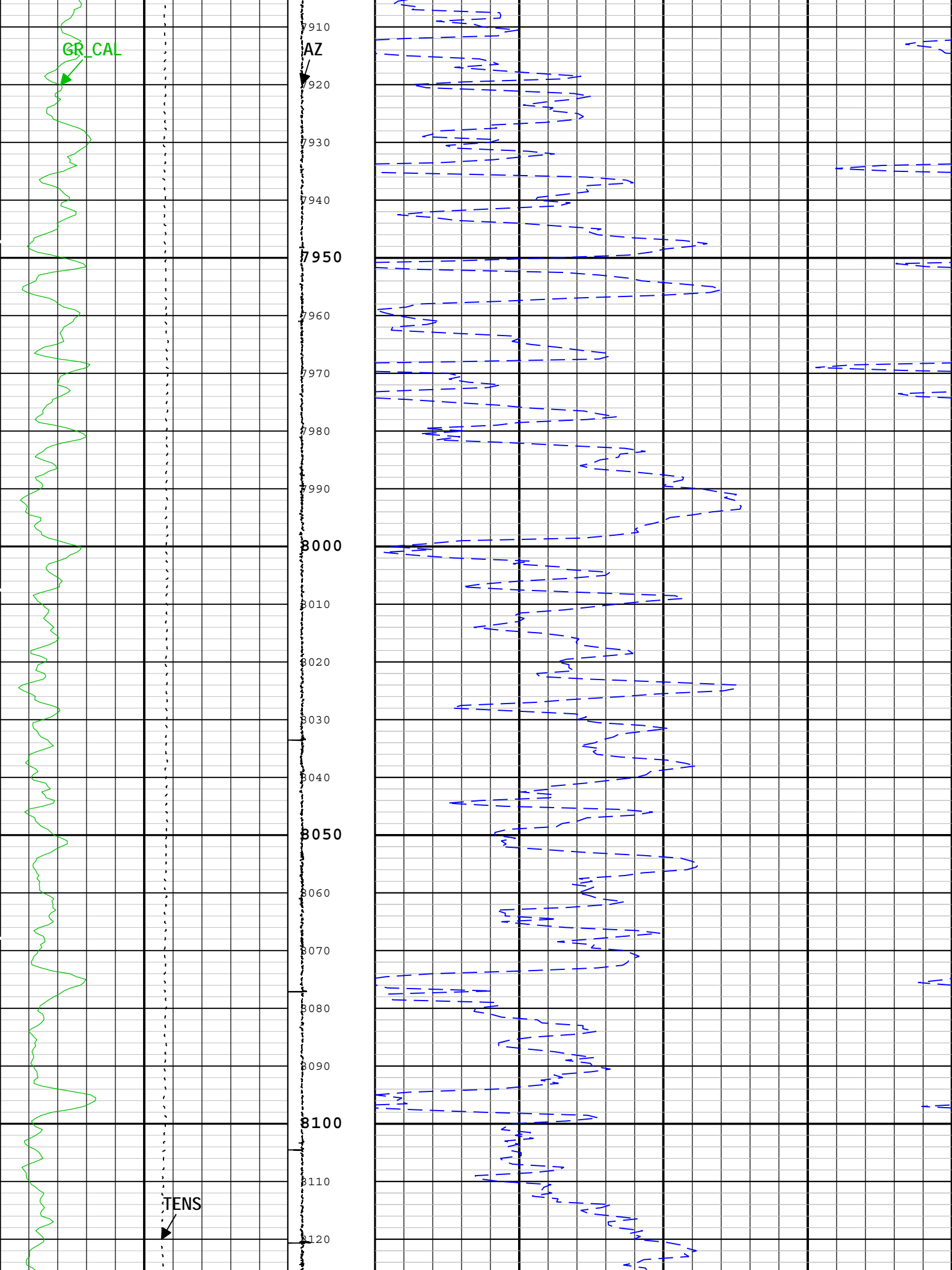


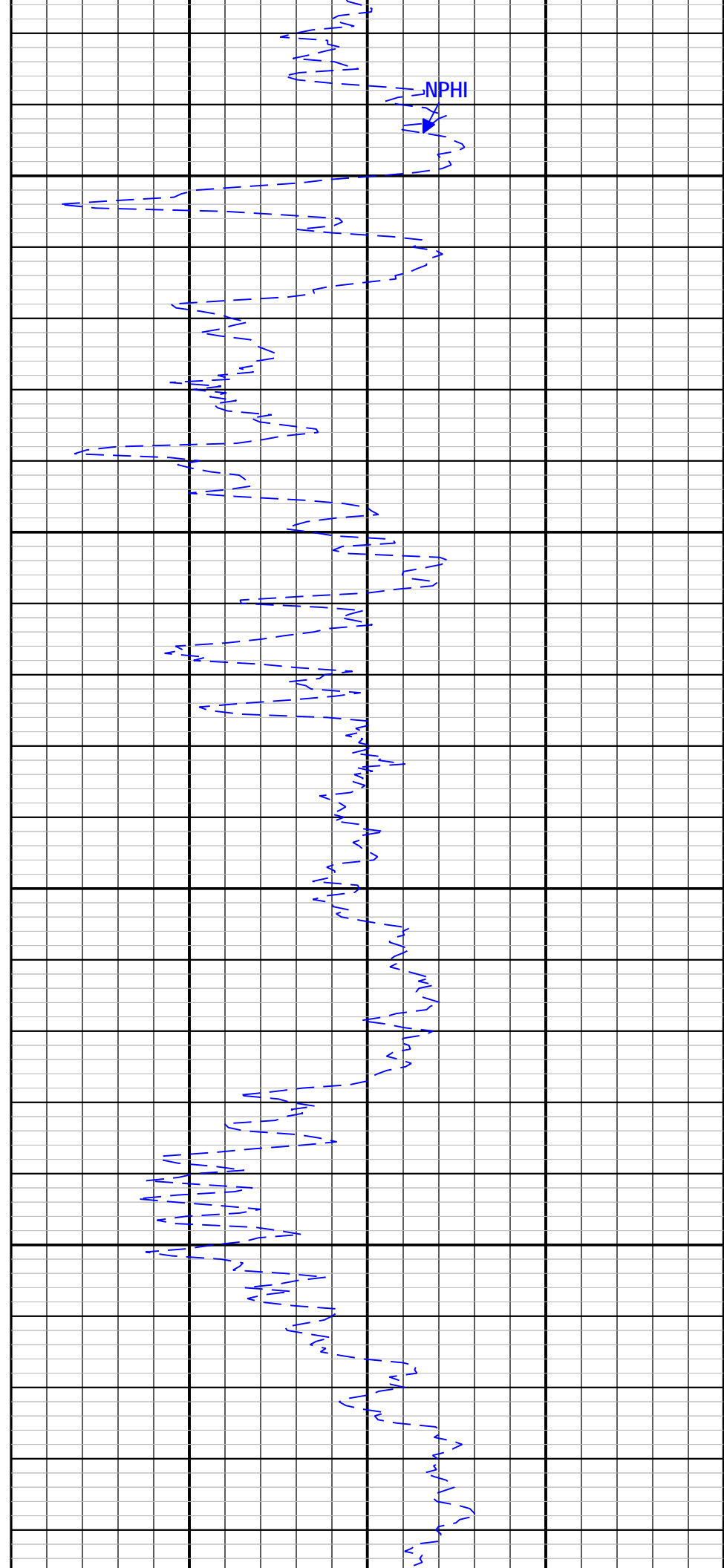
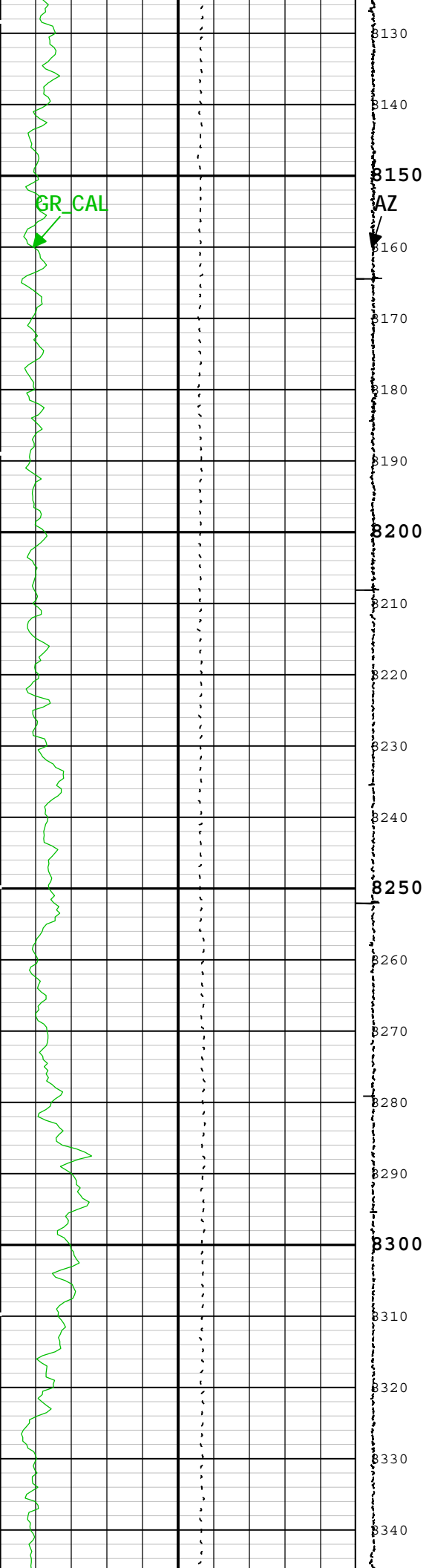


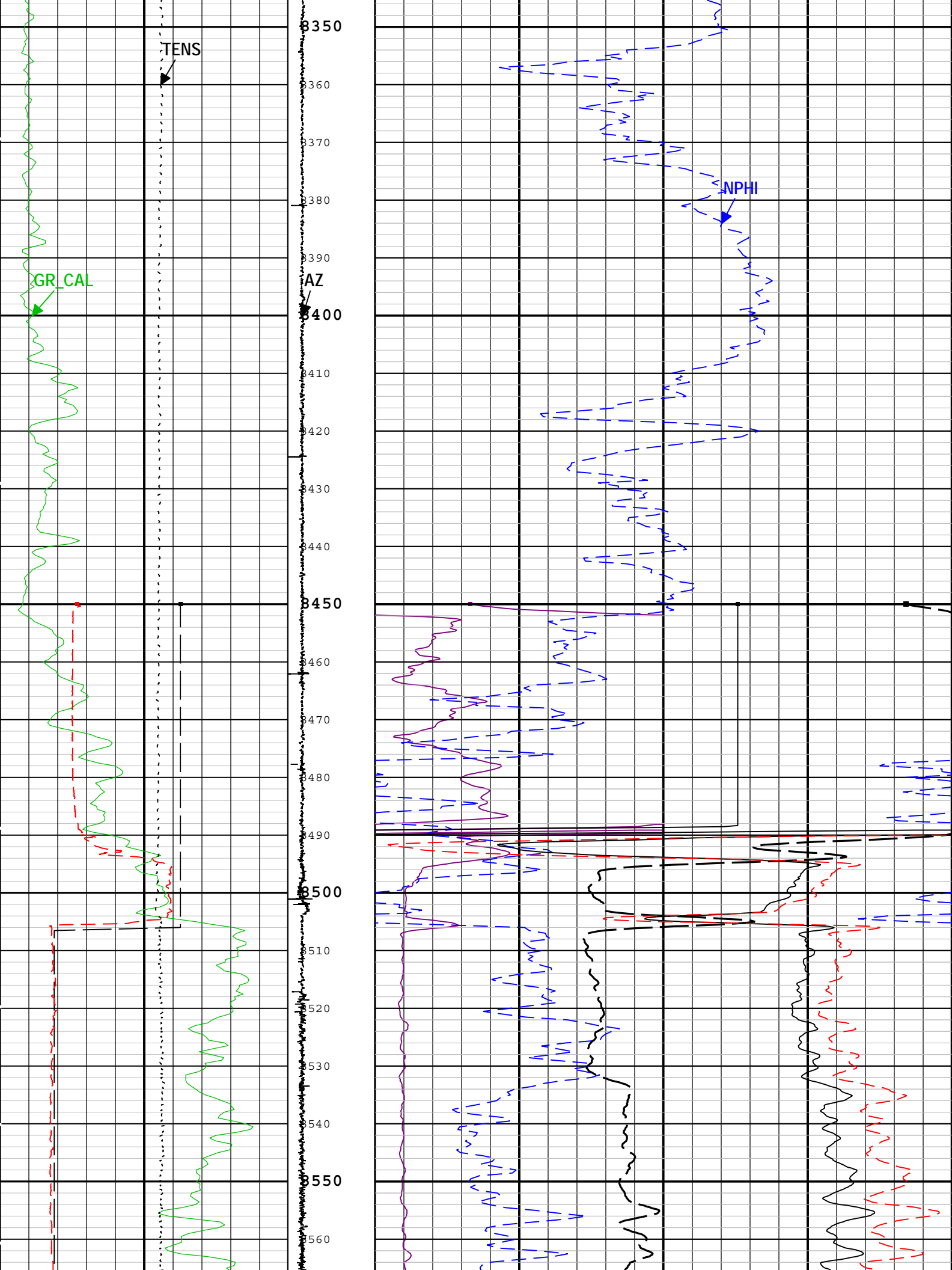


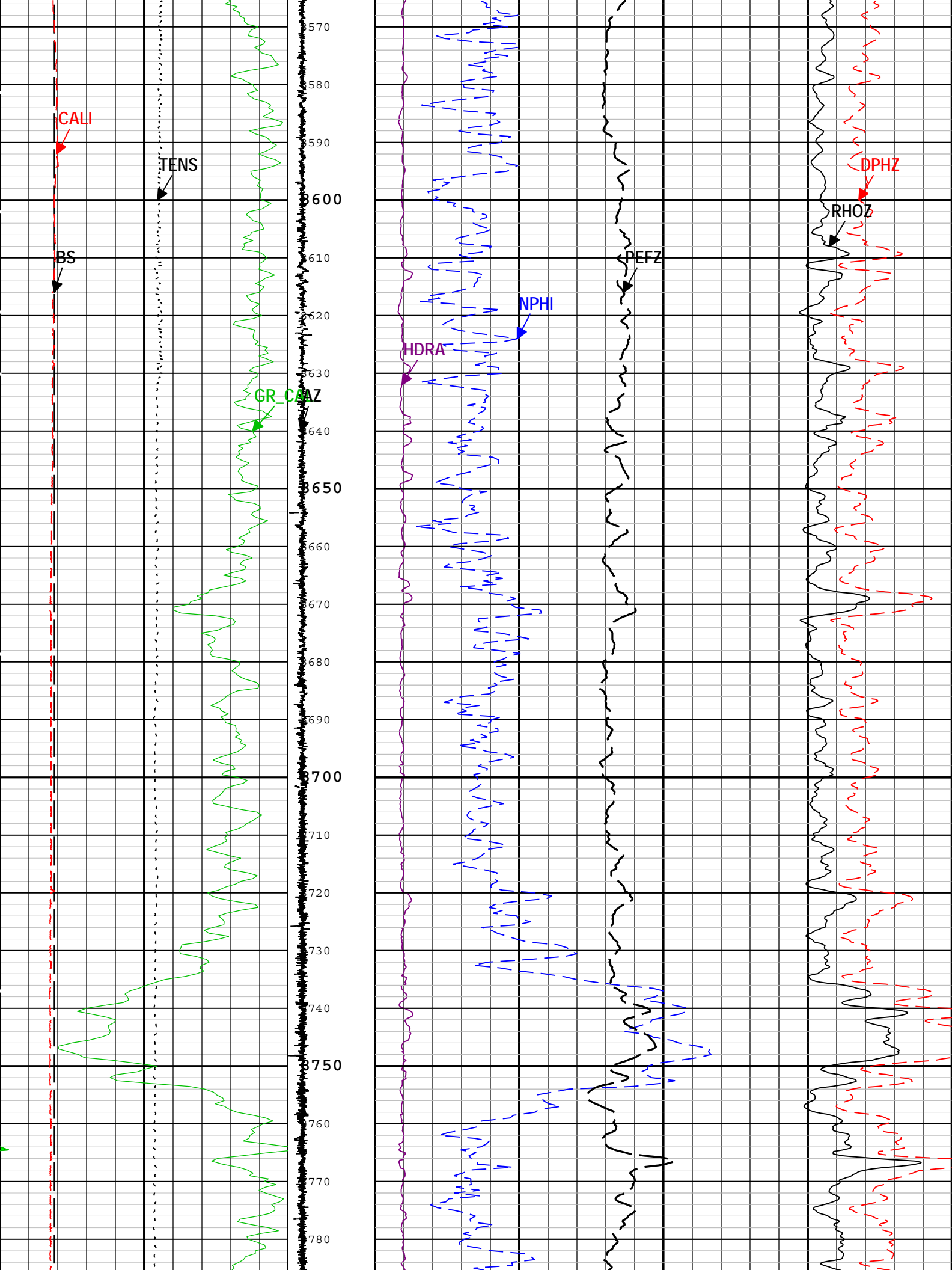


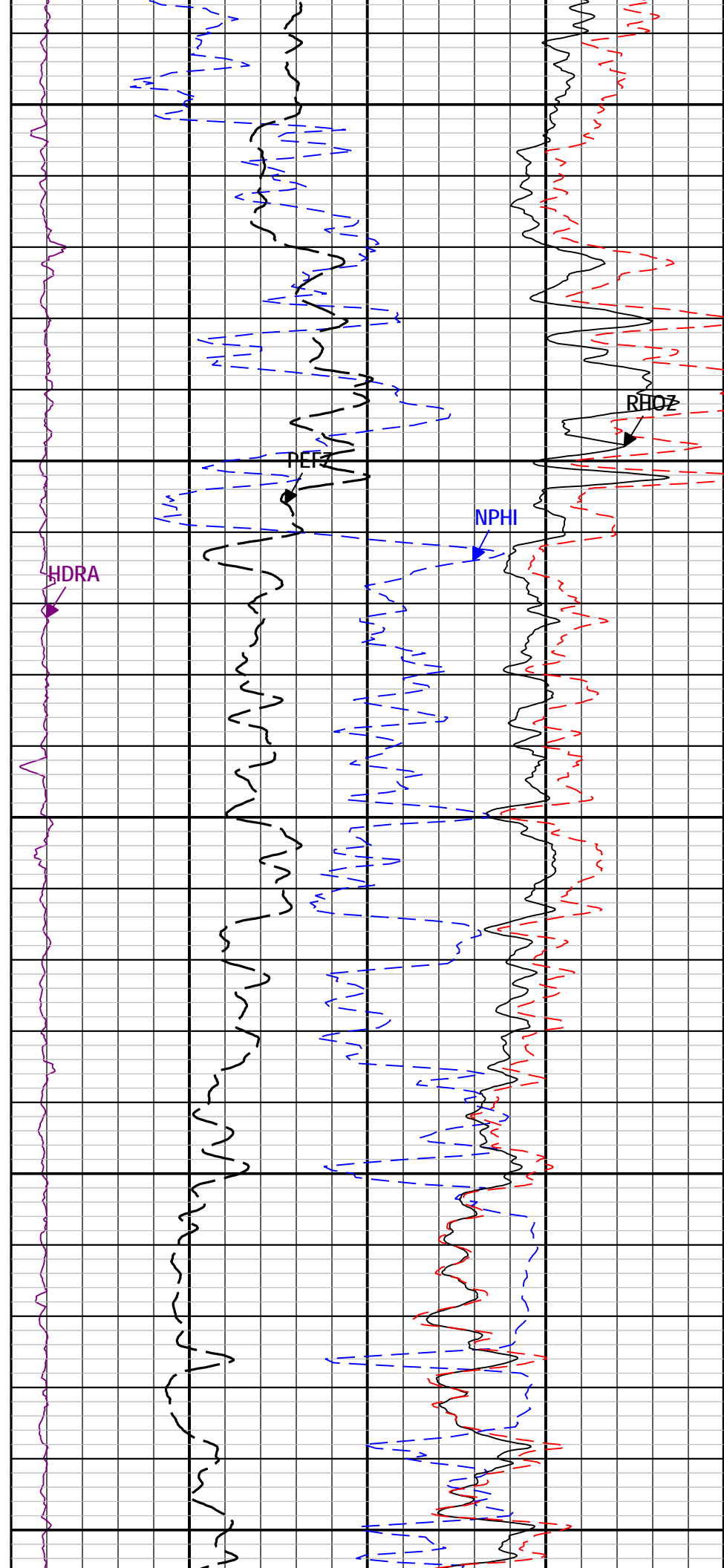
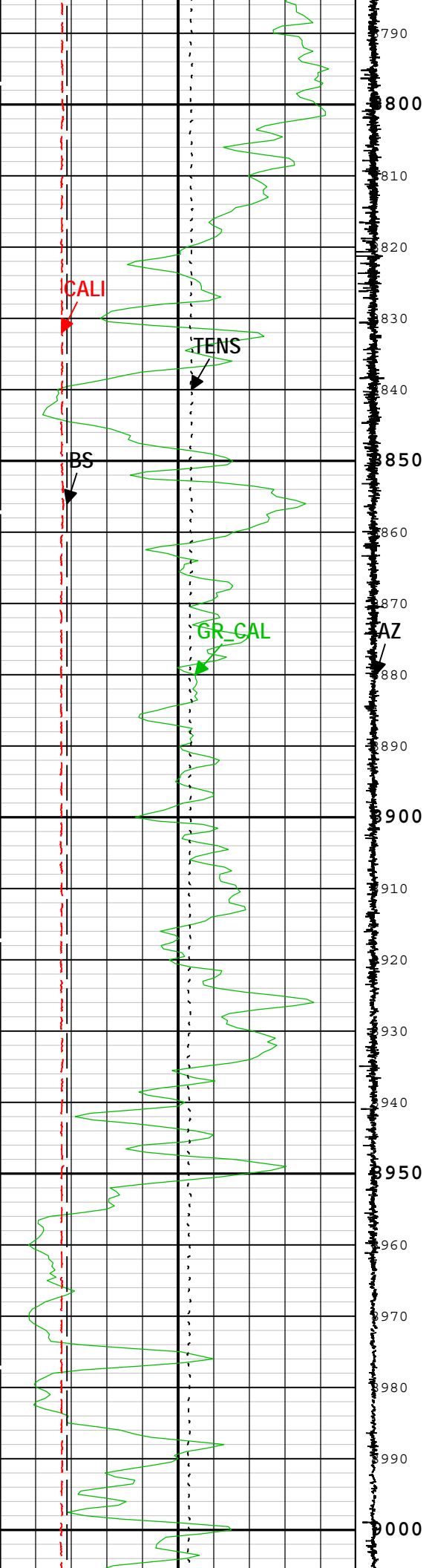


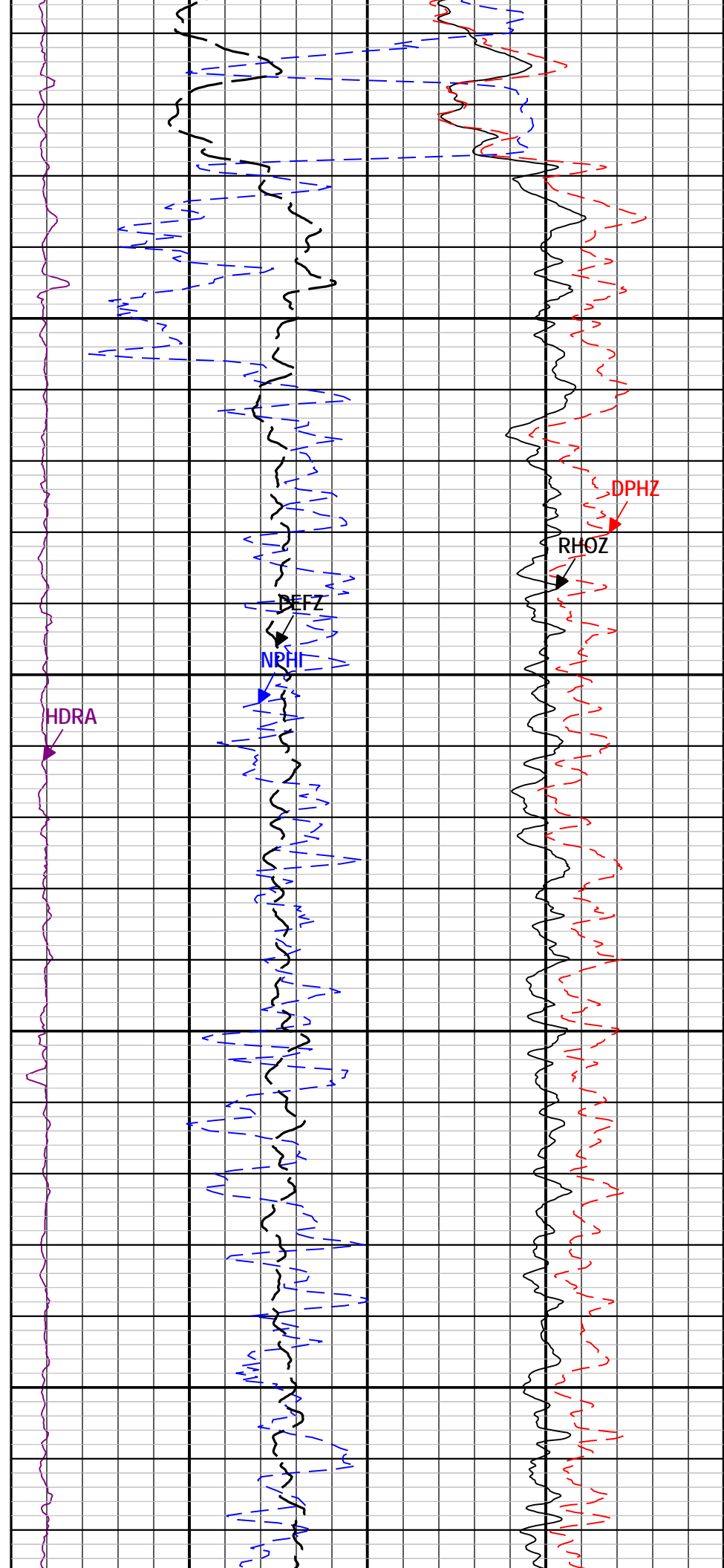
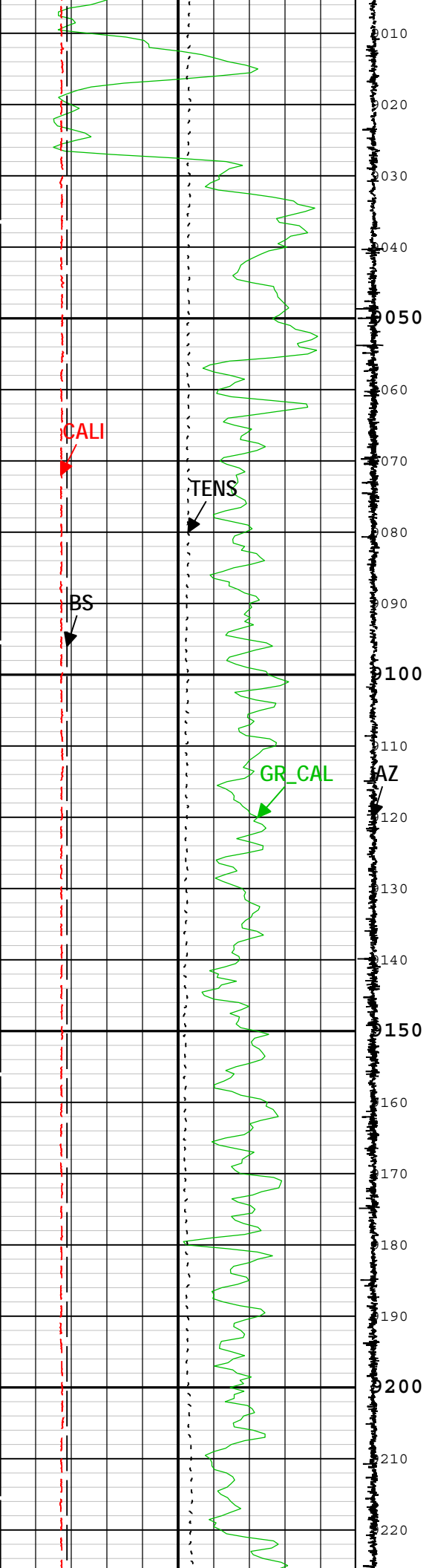


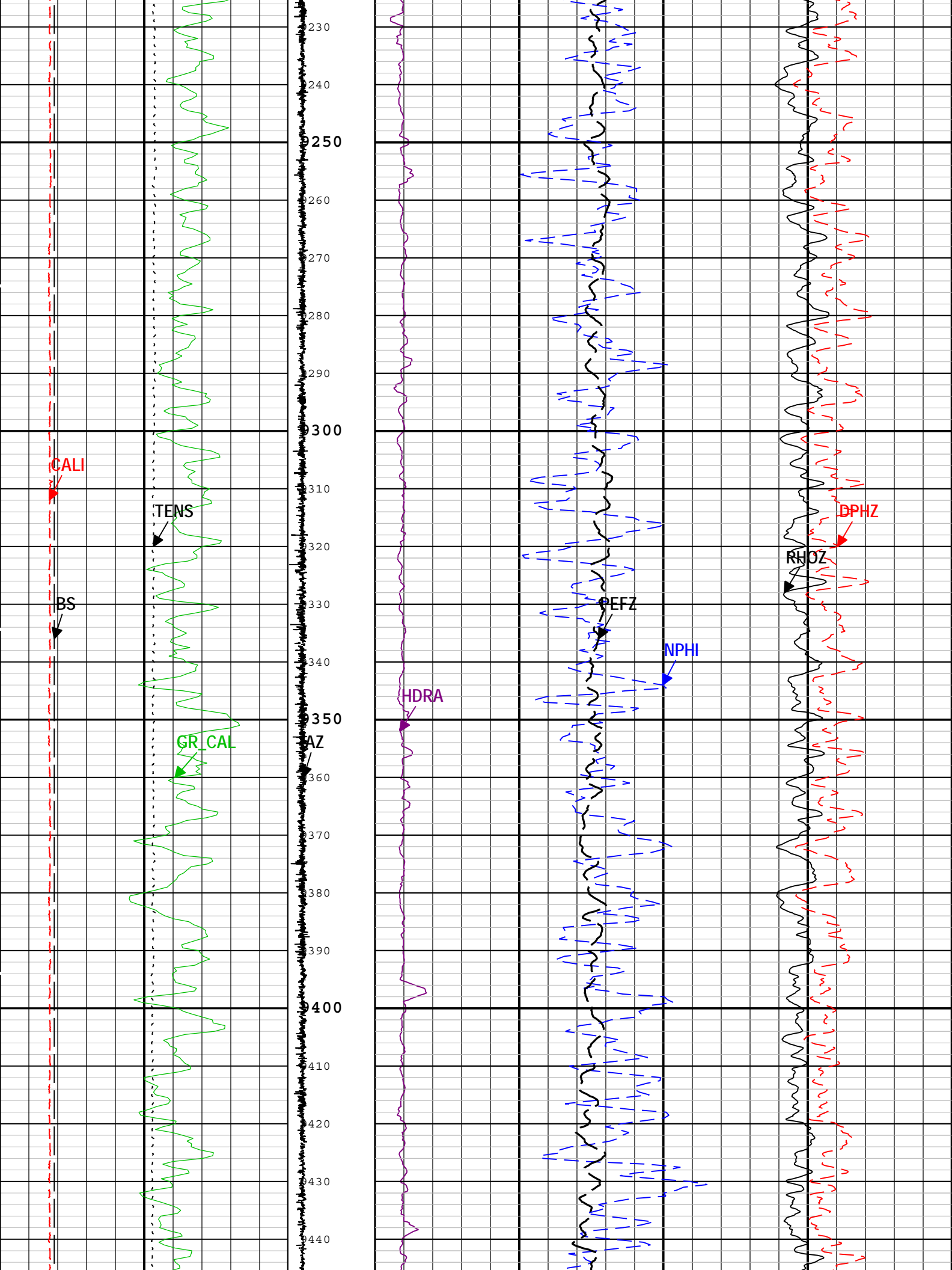


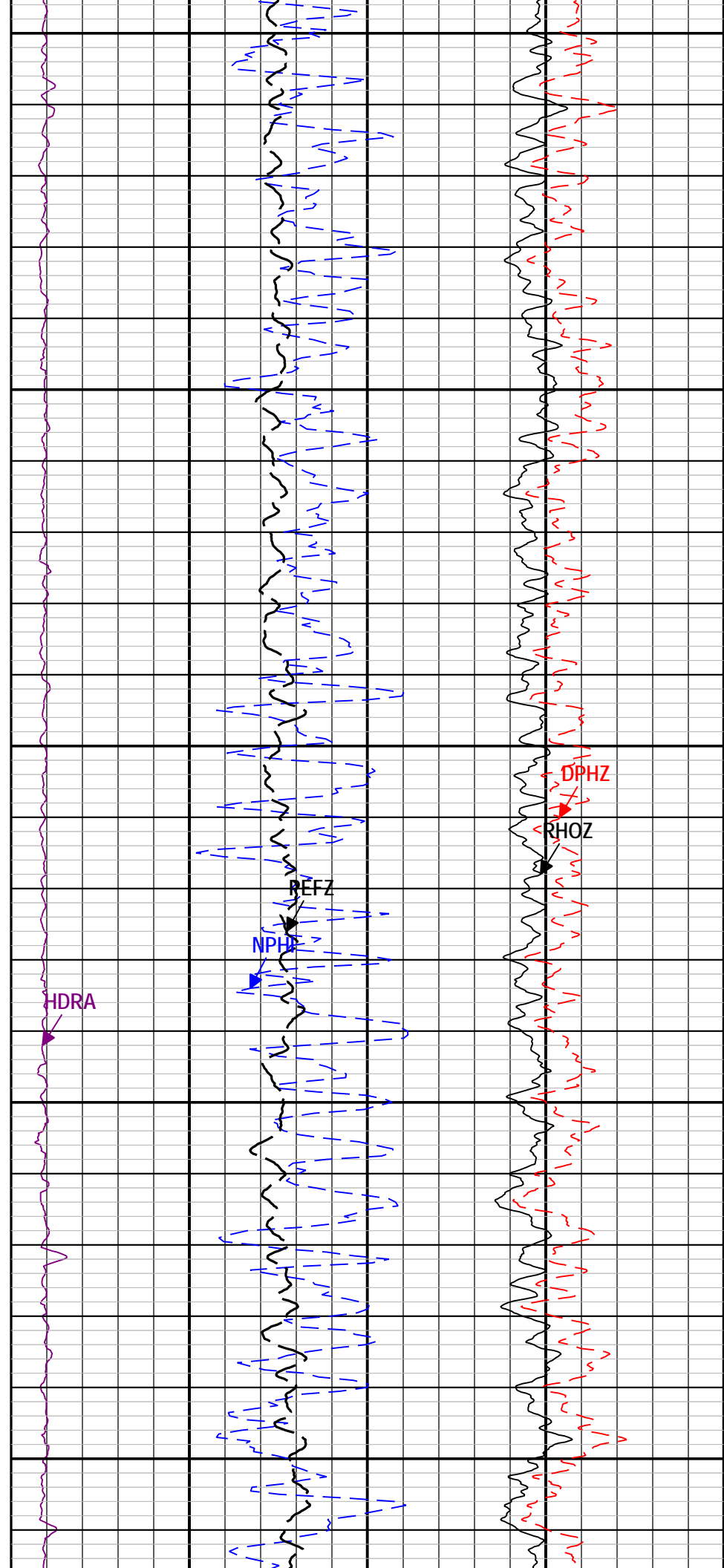
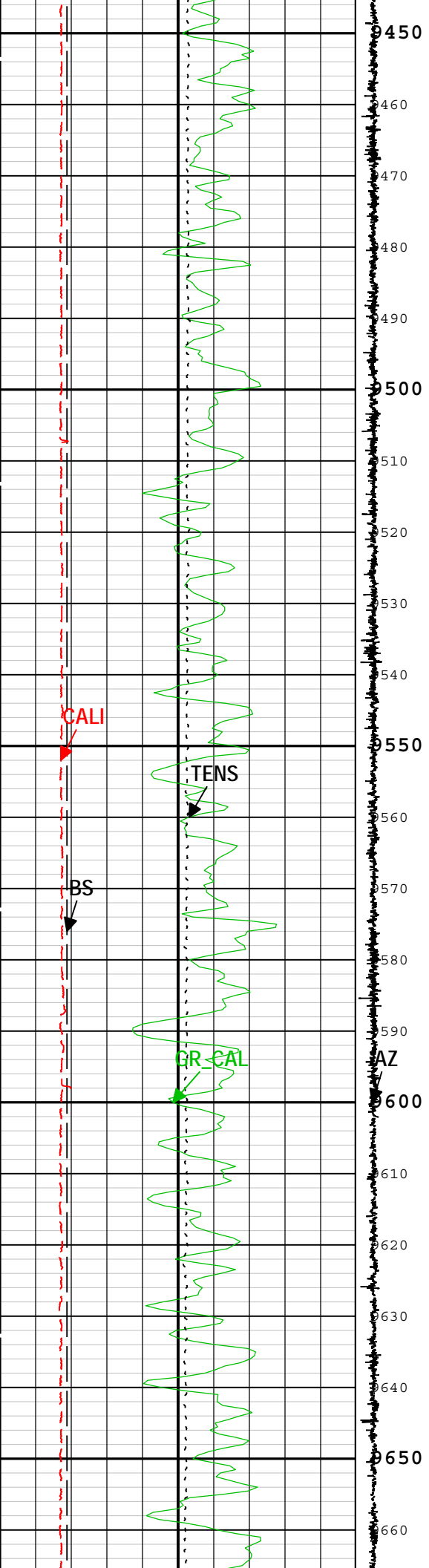


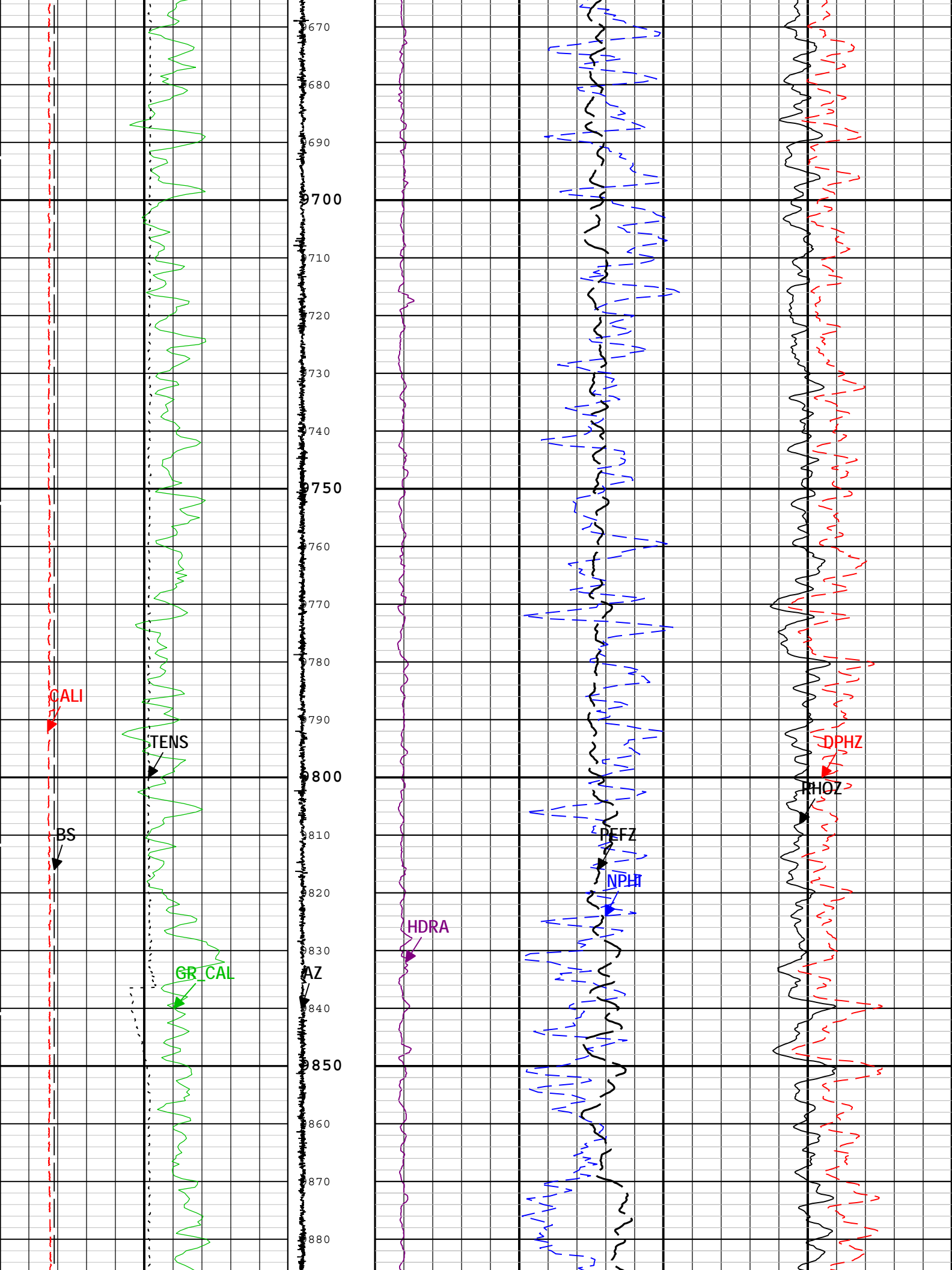


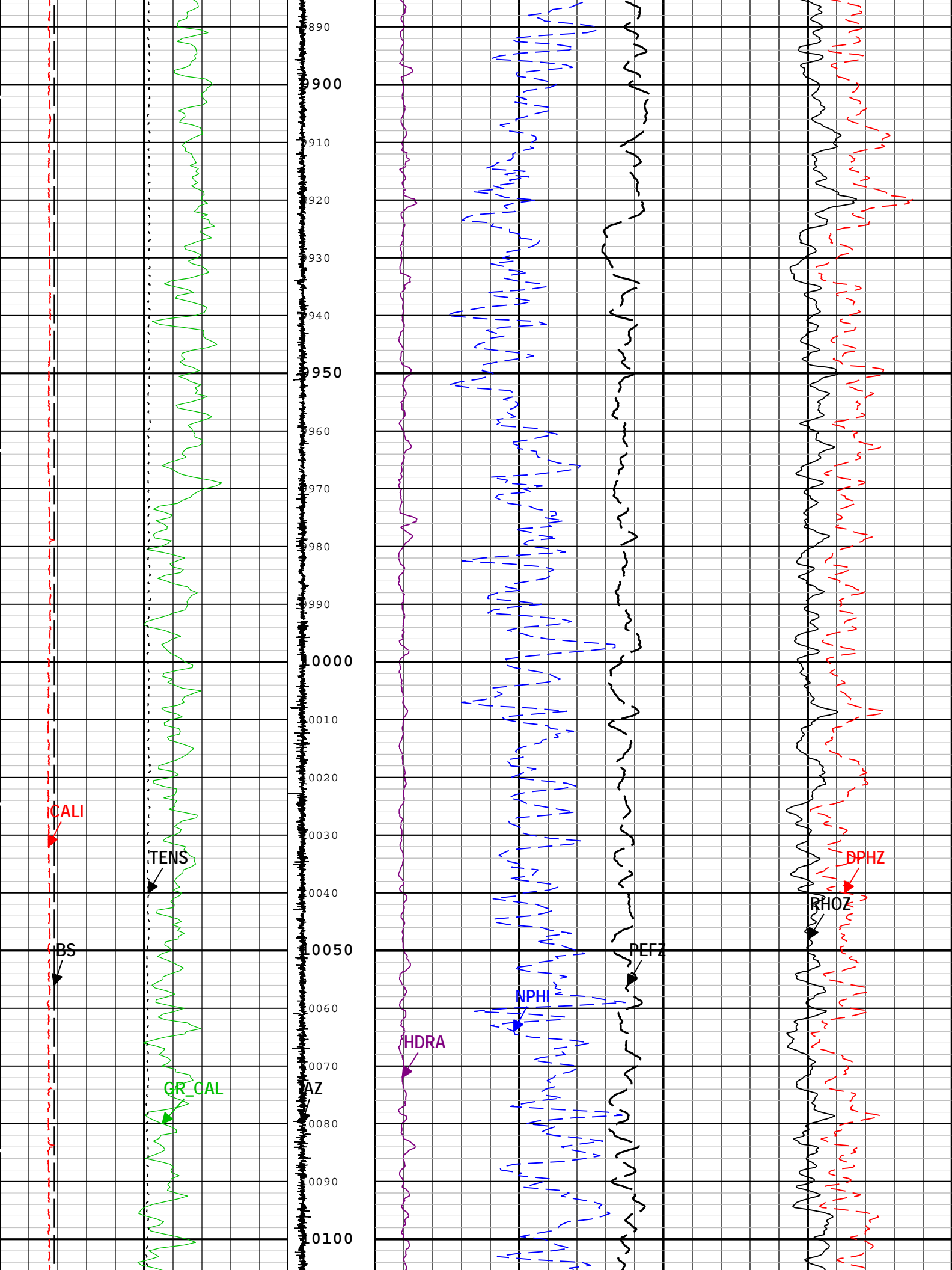


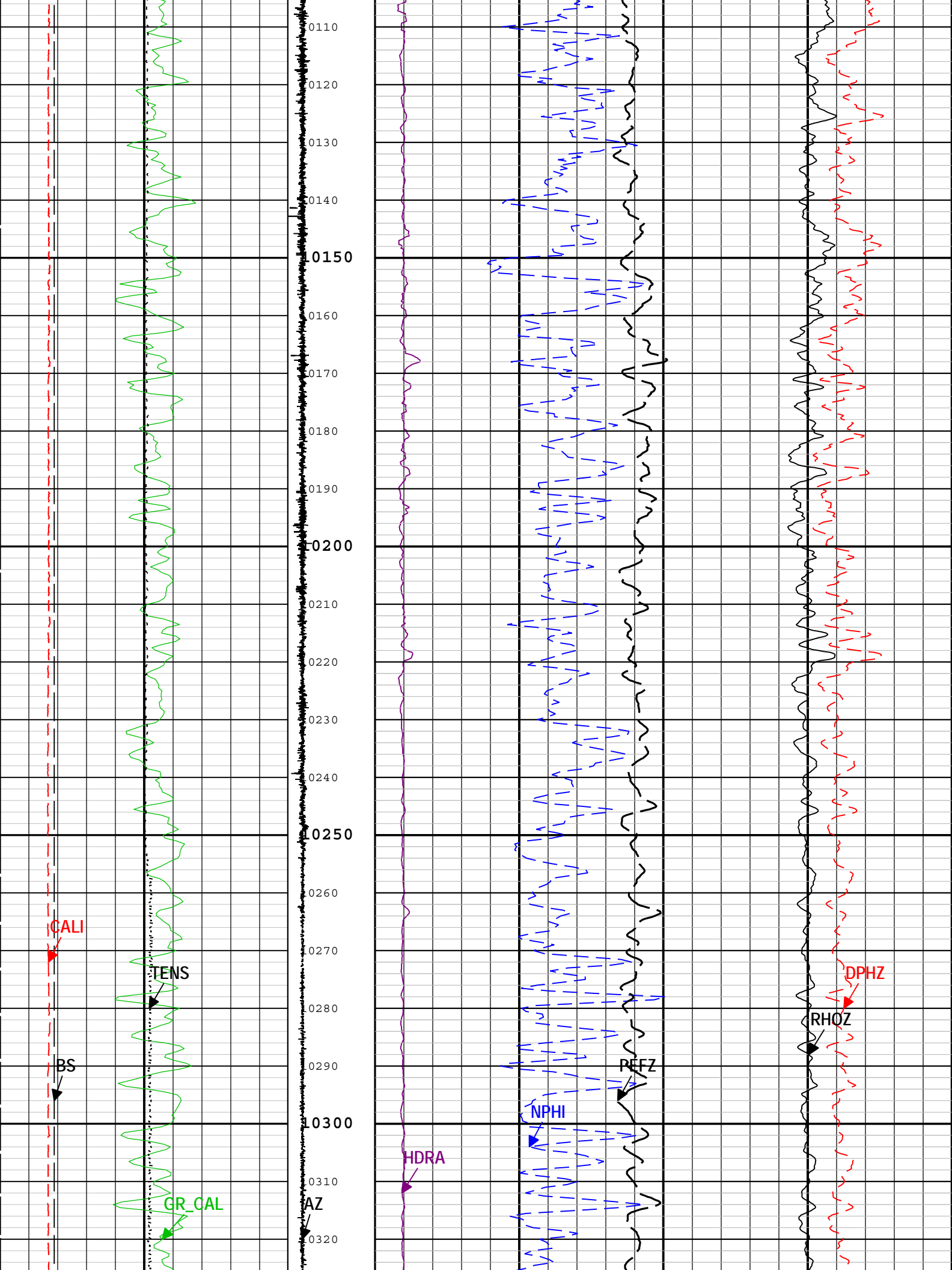


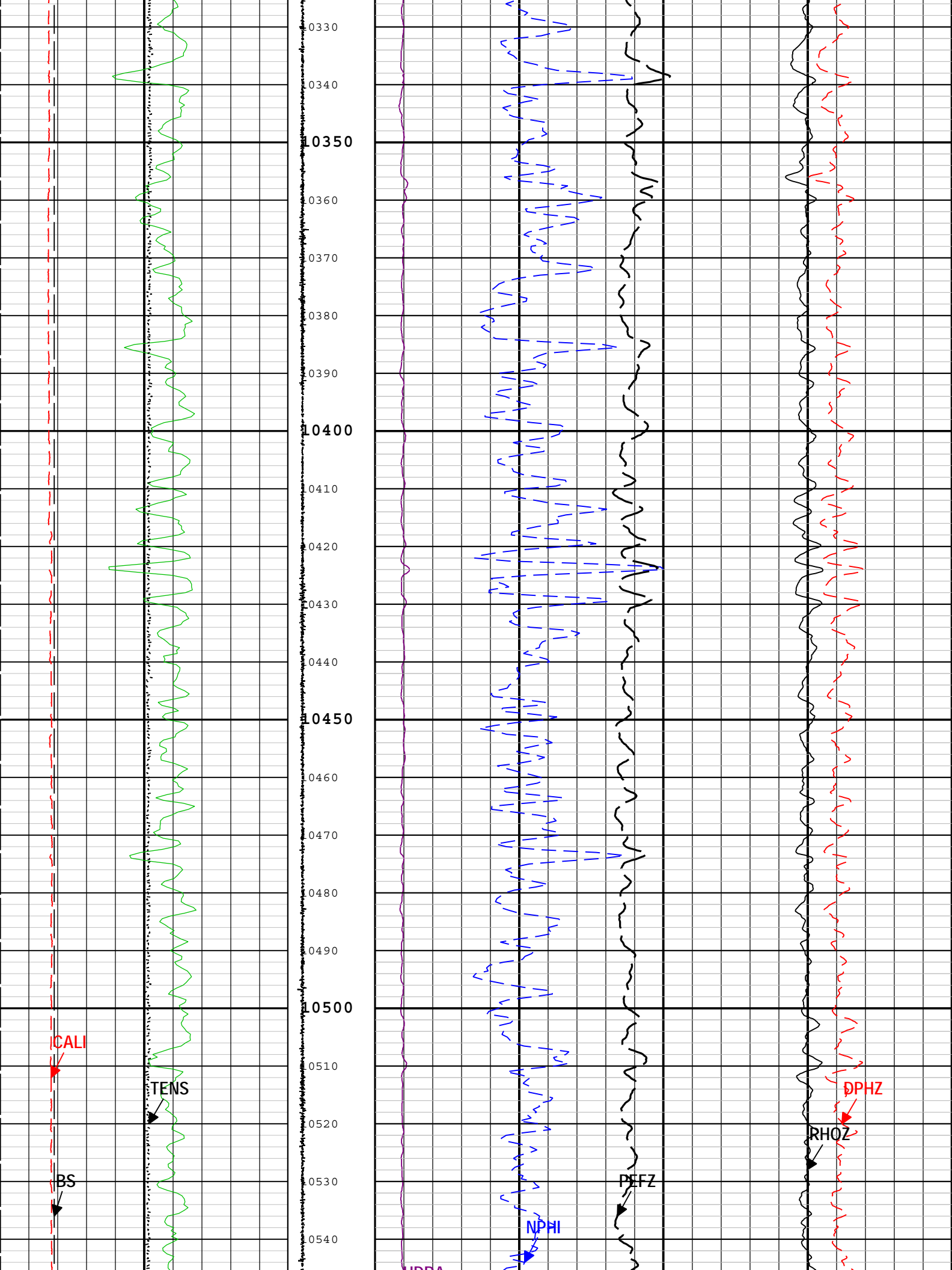


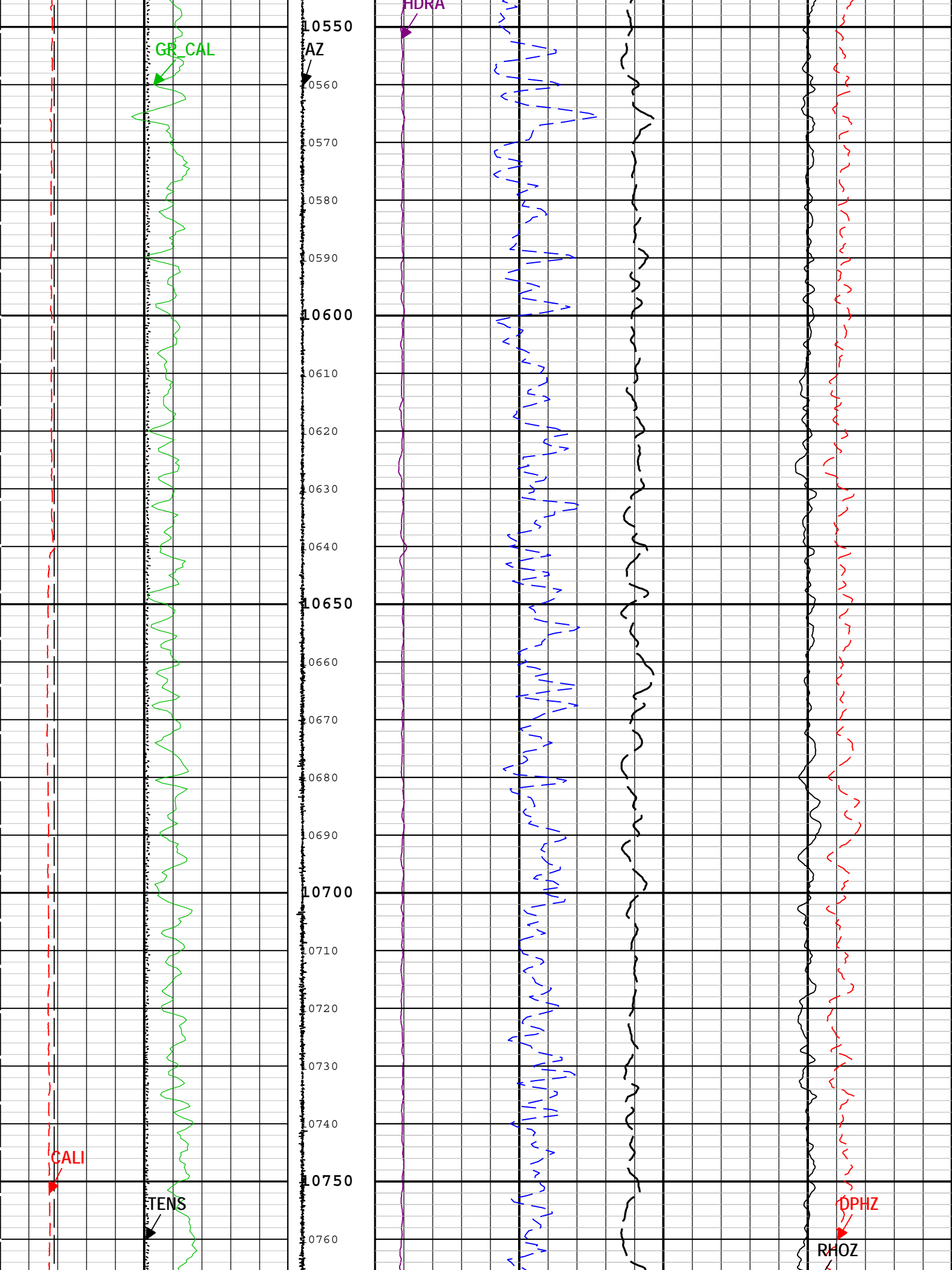


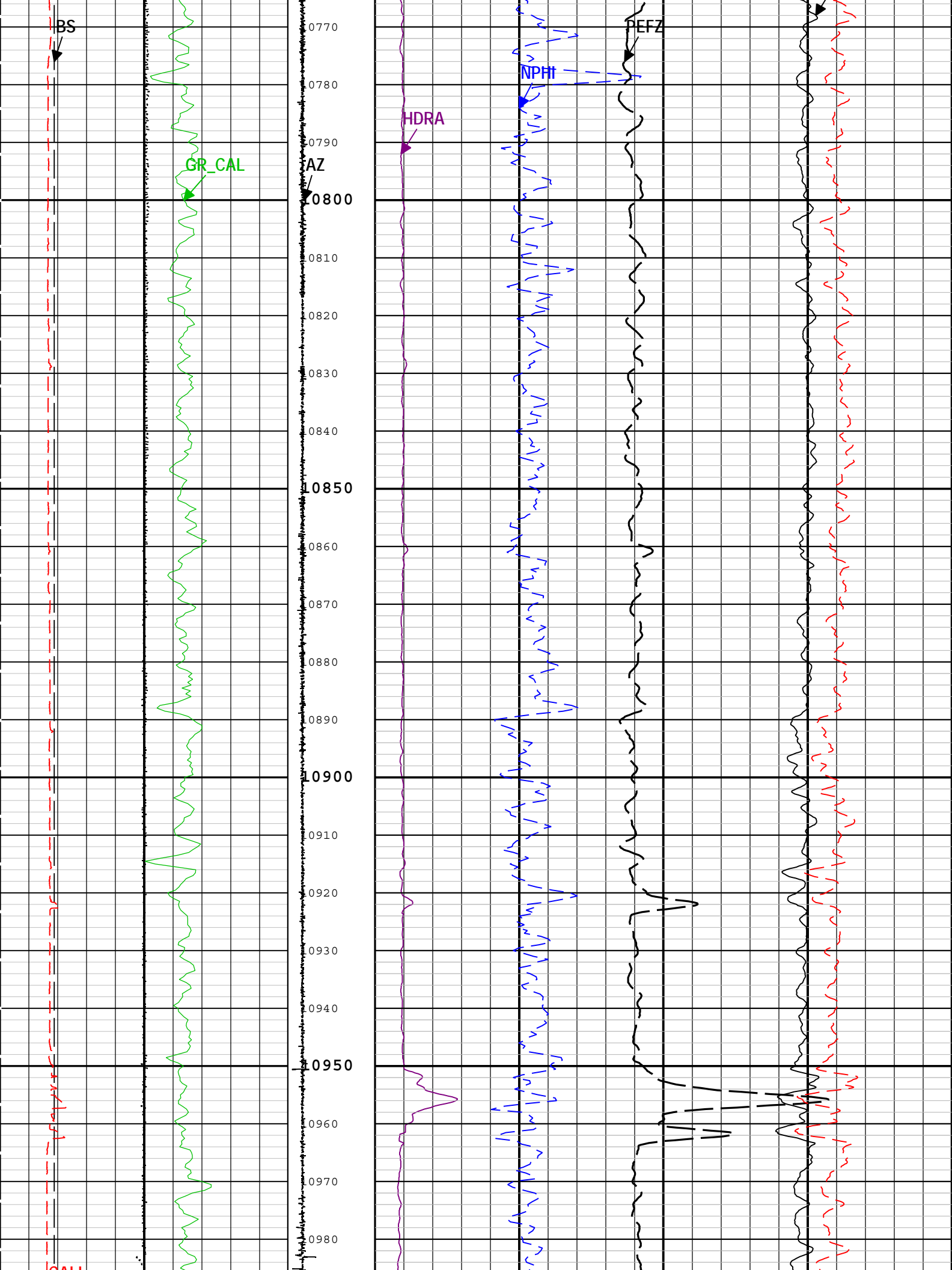


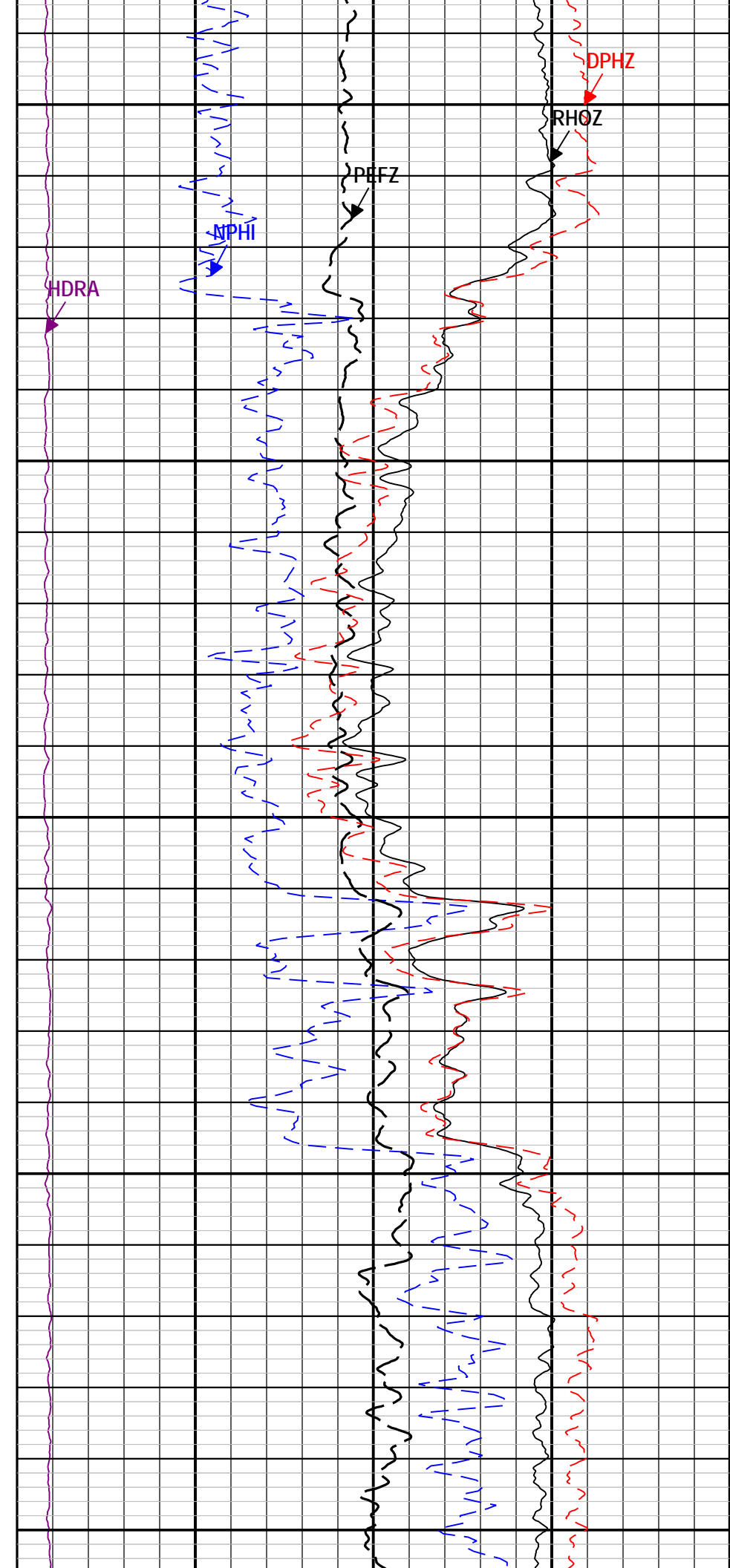
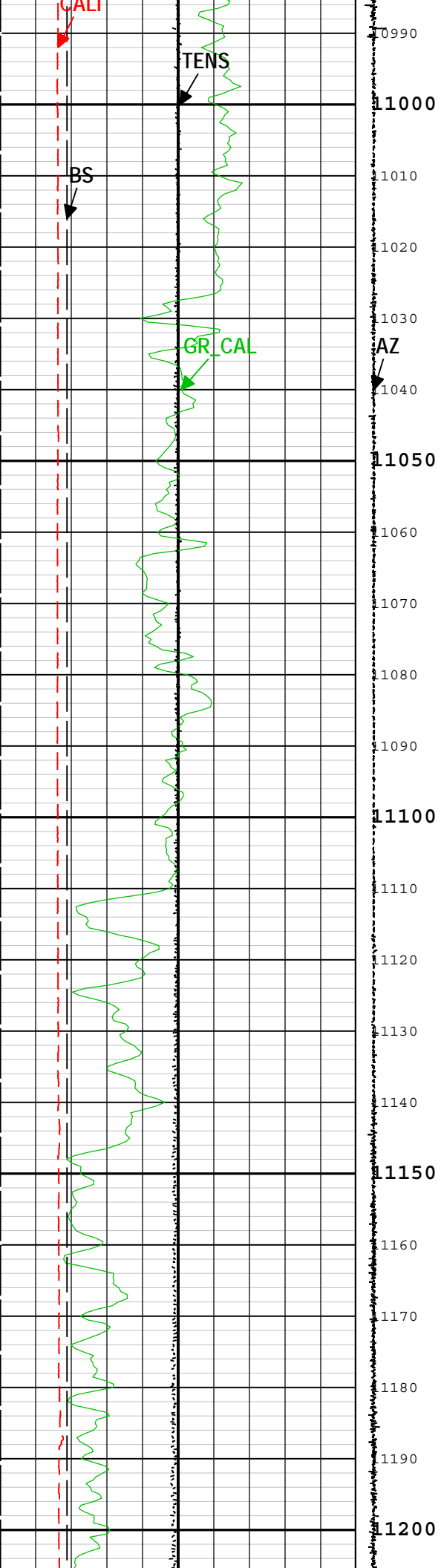


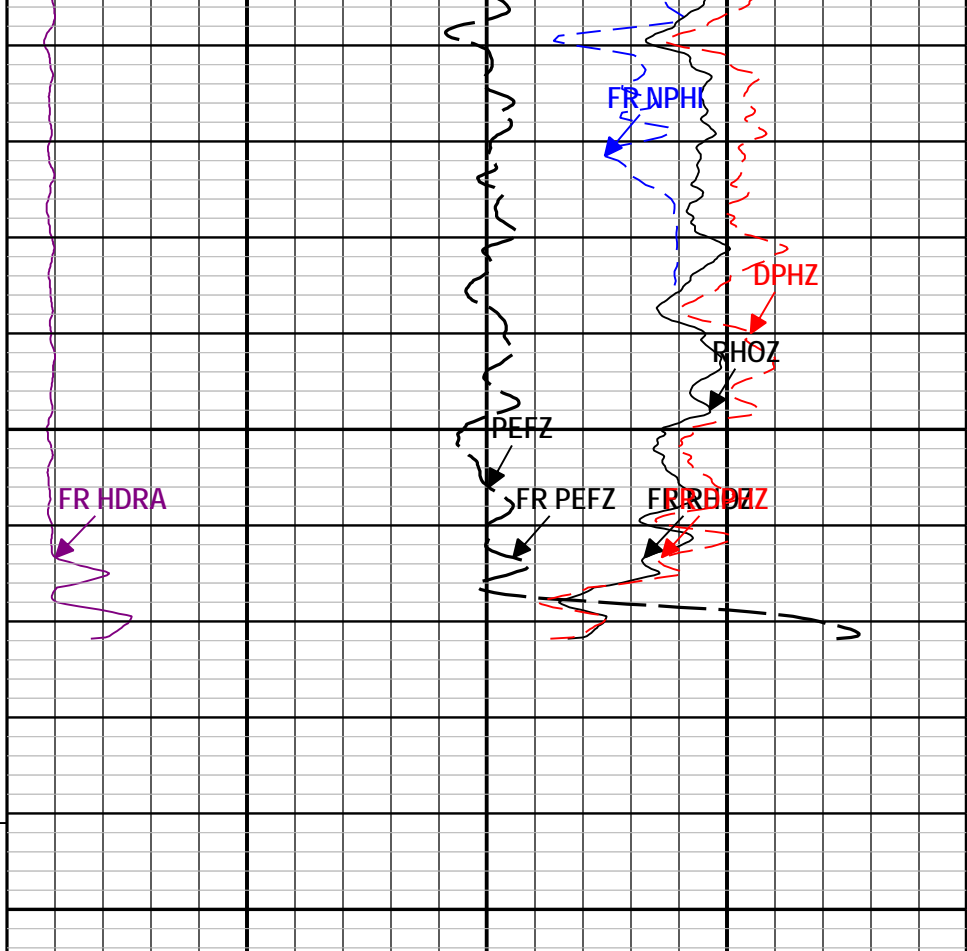
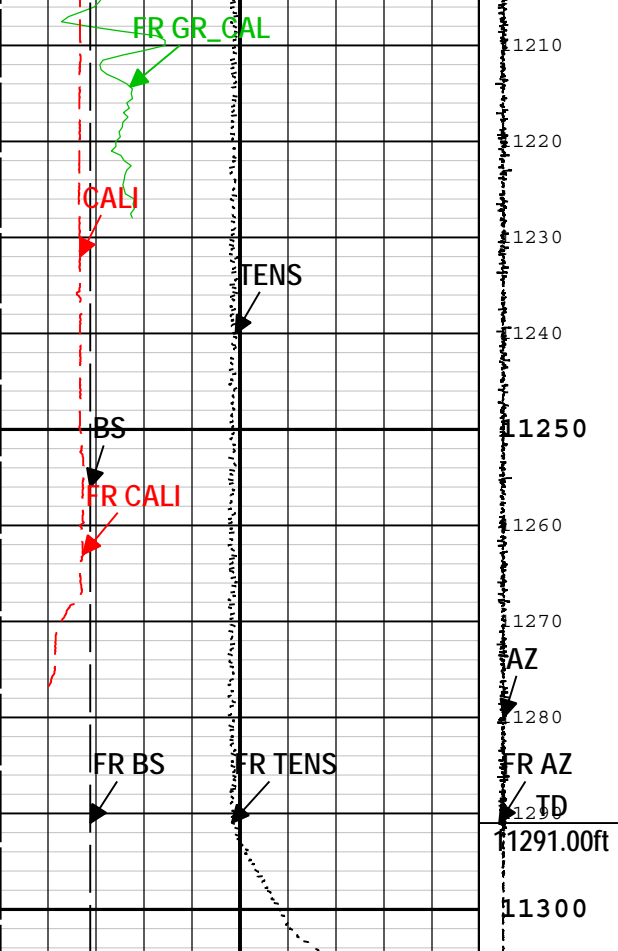












GR > 200 GAPI		
GR > 400 GAPI		
Calibrated Gamma Ray (GR_CAL) EDTC-B		
0	gAPI	200
Bit Size (BS)		
6	in	16
Cable Tension (TENS)		
10000	lbf	0
Caliper (CALI) HDRS-B		
6	in	16

GAS EFFECT		
Thermal Neutron Porosity (original Ratio Method) in Selected Lithology (NPHI) HGNS-B		
0.3	ft3/ft3	-0.1
Standard Resolution Formation Photoelectric Factor (PEFZ) HDRS-B		
0		10
Standard Resolution Formation Density (RHOZ) HDRS-B		
2	g/cm3	3
Standard Resolution Density Porosity (DPHZ) HDRS-B		
0.3	ft3/ft3	-0.1
Density Standoff Correction (HDRA) HDRS-B		
-0.05	g/cm3	0.45

TIME_1900 - Time Marked every 60.00 (s)

Description: Format: Log (5 in NUCLEAR) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 03-Sep-2013 16:33:31

Channel Processing Parameters				
Parameter	Description	Tool	Value	Unit
BARI	Barite Mud Presence Flag	Borehole	No	
BHS	Borehole Status (Open or Cased Hole)	Borehole	Depth Zoned	
BS	Bit Size	WLSESSION	Depth Zoned	in
CALI_SHIFT	CALI Supplementary Offset	HDRS-B	0	in
CBLO	Casing Bottom (Logger)	WLSESSION	8490	ft
DC_MODE	Depth Correction Mode	DepthCorrection	Real-time	
DFD	Drilling Fluid Density	Borehole	11.1	lbm/gal
DFT	Drilling Fluid Type	Borehole	Water	
DHC	Density Hole Correction	HDRS-B	Bit Size	

FD	Fluid Density	Borehole	1	g/cm3
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	
MATR	Rock Matrix for Neutron Porosity Corrections	Borehole	LIMESTONE	
MDEN	Matrix Density for Density Porosity	Borehole	2.71	g/cm3
NPRM	HRDD Nuclear Processing Mode	HDRS-B	High Resolution	

Depth Zone Parameters

Parameter	Value	Start (ft)	Stop (ft)
BHS	Cased	5990	8480
BHS	Open	8480	11304.87
BS	12.25	5990	8506
BS	7.875	8506	11304.87

All depth are actual.

Tool Control 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	

2A

REPEAT 5"

Pass Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	Depth Shift	Include Parallel Data
2A	Log[4]:Up	Up	10755.46 ft	11306.17 ft	02-Sep-2013 1:17:35 PM	02-Sep-2013 2:24:27 PM	15.40 ft	
2A	Log[5]:Up	Up	6011.38 ft	11304.86 ft	02-Sep-2013 2:31:05 PM	02-Sep-2013 8:03:44 PM	16.50 ft	

All depths are referenced to toolstring zero

Log 2A: Log[5]:Up

Description: Format: Log (5 in NUCLEAR RA) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 03-Sep-2013 16:33:36

TIME_1900 - Time Marked every 60.00 (s)

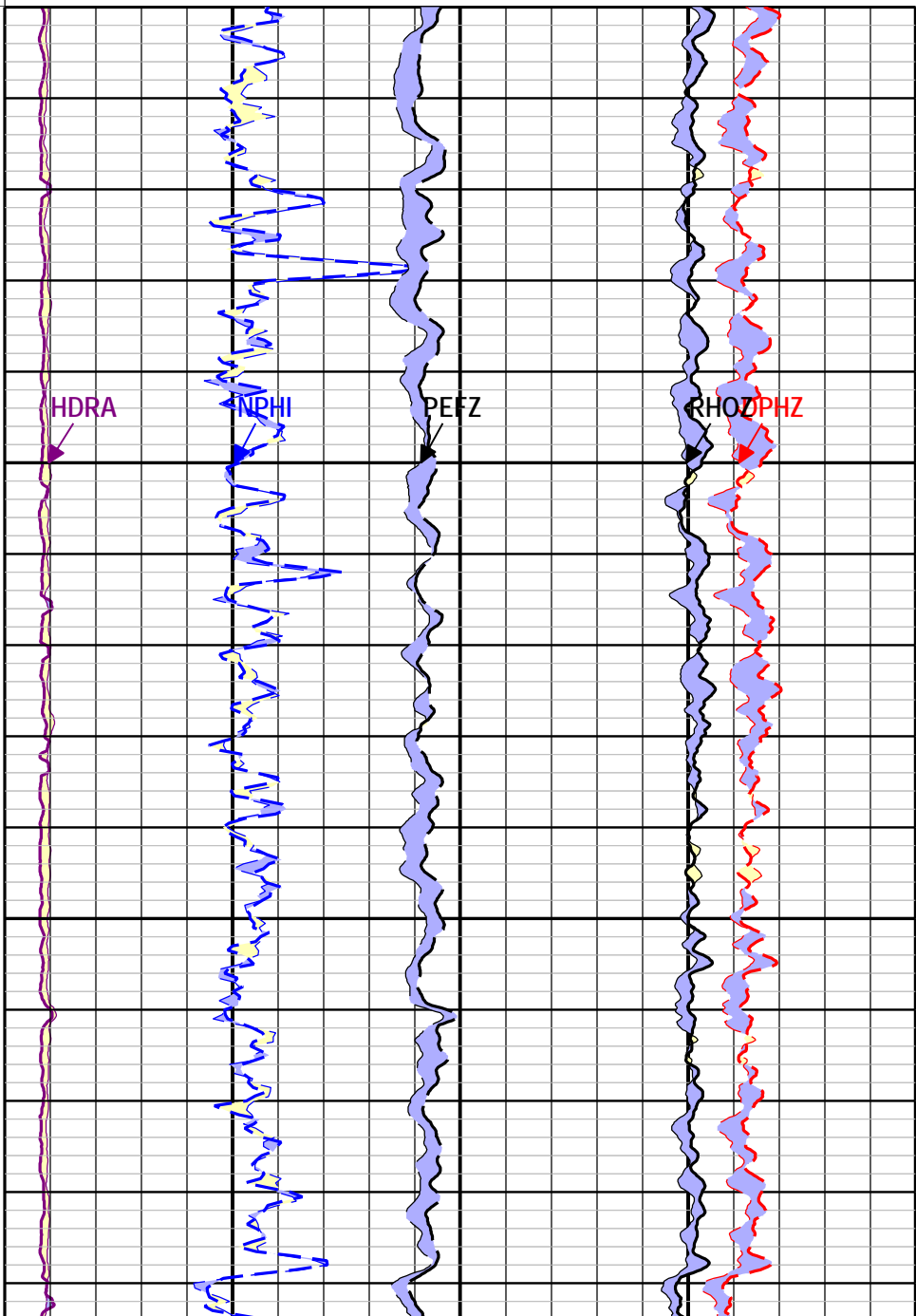
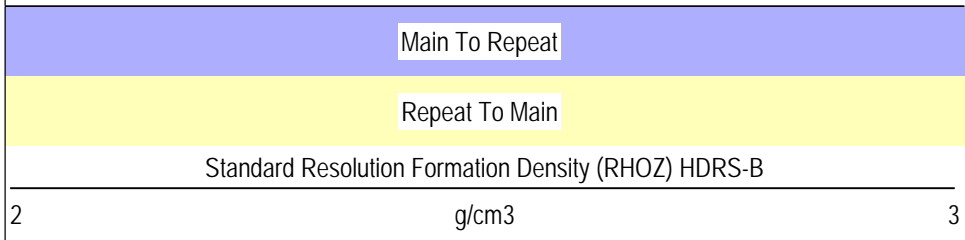
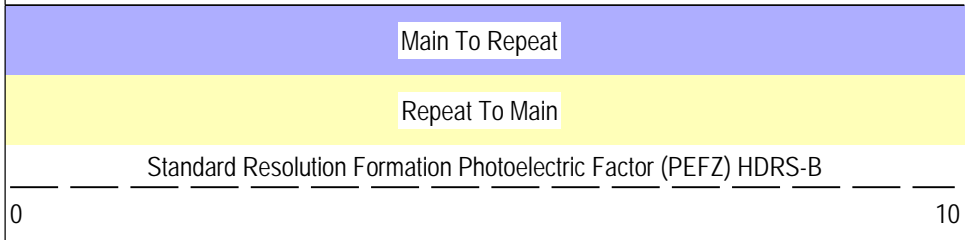
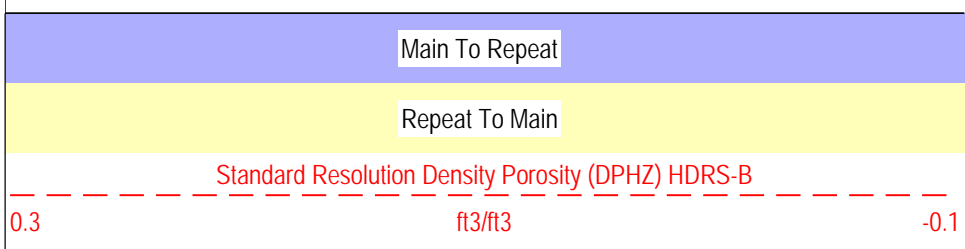
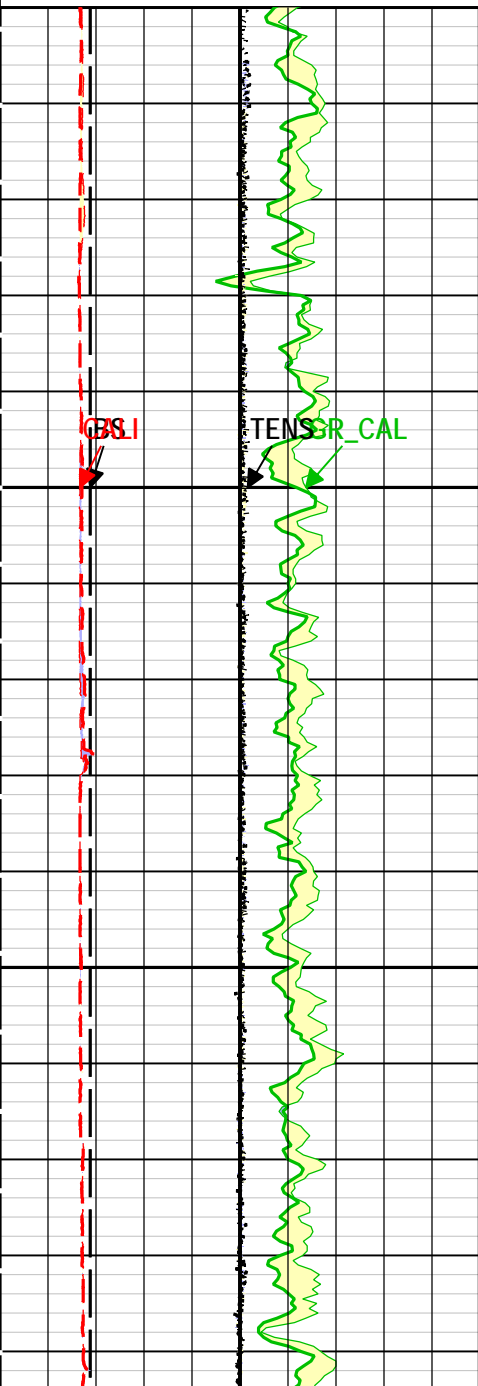
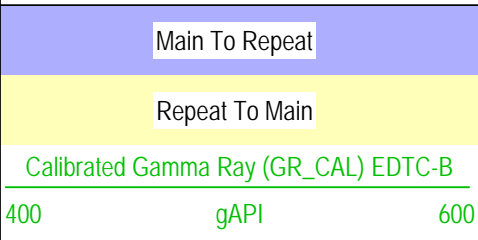
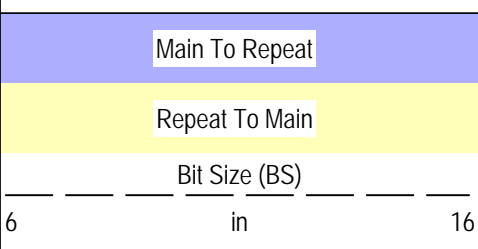
Main To Repeat		
Repeat To Main		
Calibrated Gamma Ray (GR_CAL) EDTC-B		
0	gAPI	200

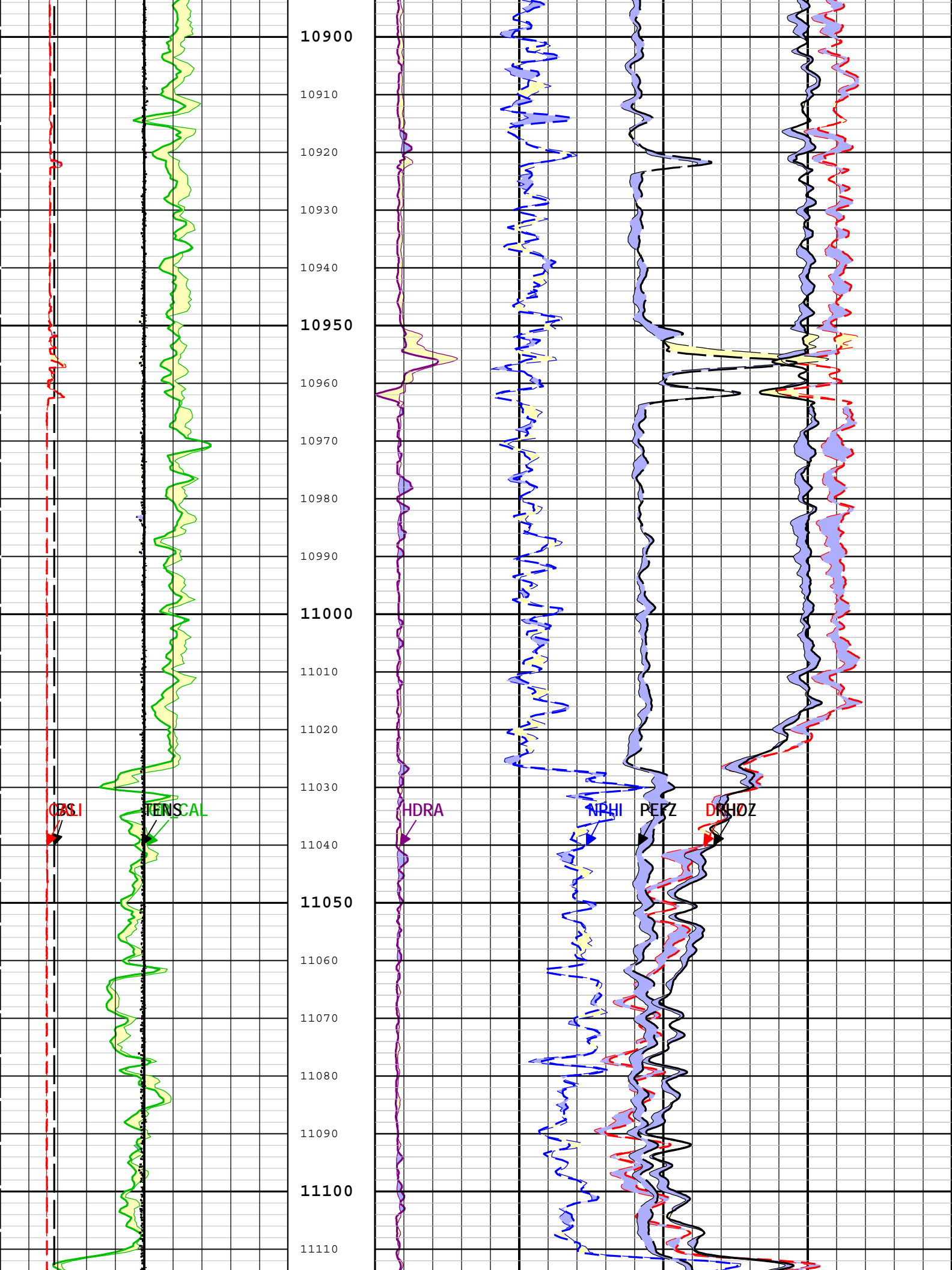
Main To Repeat		
Repeat To Main		
Calibrated Gamma Ray (GR_CAL) EDTC-B		
200	gAPI	400

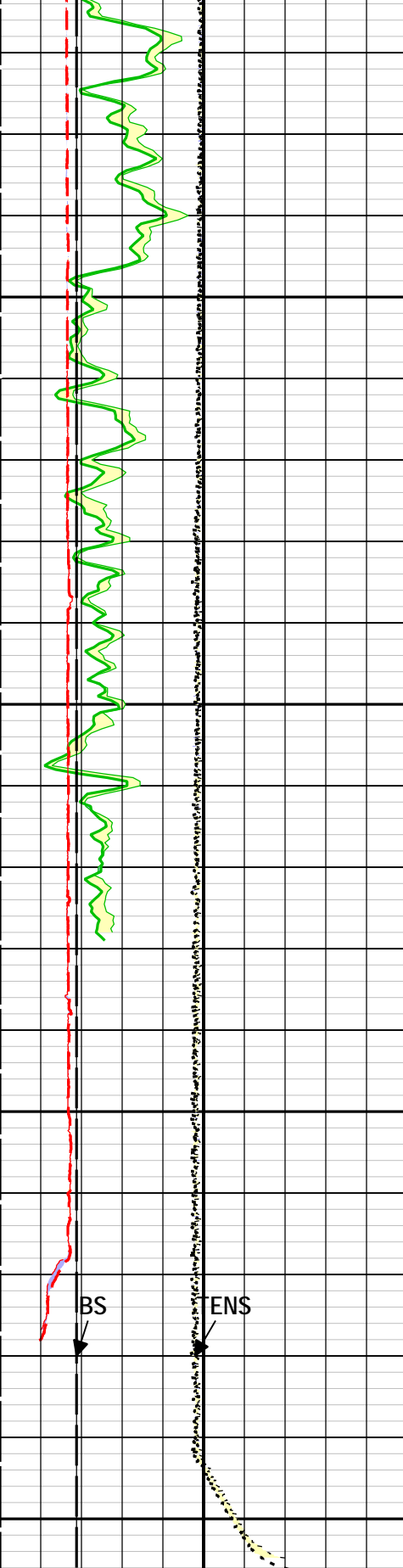
Main To Repeat		
Repeat To Main		
Cable Tension (TENS)		
10000	lbf	0

Main To Repeat		
Repeat To Main		
Density Standoff Correction (HDRA) HDRS-B		
-0.05	g/cm3	0.45

Main To Repeat		
Repeat To Main		
Thermal Neutron Porosity (original Ratio Method) in Selected Lithology (NPHI) HGNS-B		
0.3	ft3/ft3	-0.1





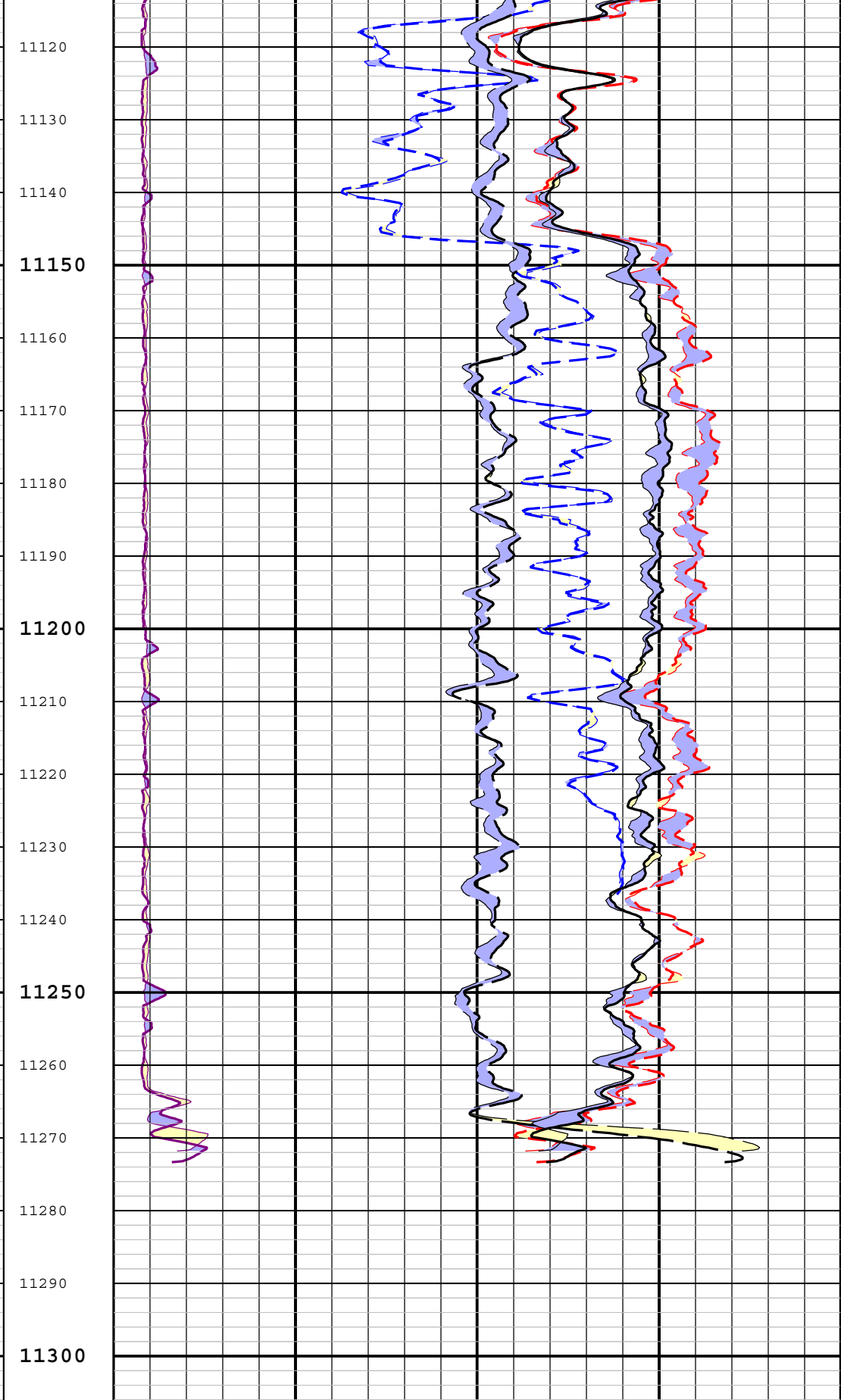


Main To Repeat

Repeat To Main

Calibrated Gamma Ray (GR_CAL) EDTC-B

0 gAPI 200



Main To Repeat

Repeat To Main

Thermal Neutron Porosity (original Ratio Method) in Selected Lithology (NPHI) HGNS-B

0.3 ft3/ft3 -0.1

Main To Repeat		
Repeat To Main		
Calibrated Gamma Ray (GR_CAL) EDTC-B		
200	gAPI	400
Main To Repeat		
Repeat To Main		
Cable Tension (TENS)		
10000	lbf	0
Main To Repeat		
Repeat To Main		
Bit Size (BS)		
6	in	16
Main To Repeat		
Repeat To Main		
Calibrated Gamma Ray (GR_CAL) EDTC-B		
400	gAPI	600
Main To Repeat		
Repeat To Main		
Caliper (CALI) HDRS-B		
6	in	16

TIME_1900 - Time Marked every 60.00 (s)

Description: Format: Log (5 in NUCLEAR RA) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 03-Sep-2013 16:33:36

Main To Repeat		
Repeat To Main		
Standard Resolution Density Porosity (DPHZ) HDRS-B		
0.3	ft3/ft3	-0.1
Main To Repeat		
Repeat To Main		
Standard Resolution Formation Photoelectric Factor (PEFZ) HDRS-B		
0		10
Main To Repeat		
Repeat To Main		
Standard Resolution Formation Density (RHOZ) HDRS-B		
2	g/cm3	3
Main To Repeat		
Repeat To Main		
Density Standoff Correction (HDRA) HDRS-B		
-0.05	g/cm3	0.45

Calibration Report

HDRS-B (HILT Density and Rxo Sonde, 125 degC) Calibration - Run 2A

Primary Equipment :

HILT High-Resolution Control Cartridge, 125 degC	HRCC-B	1813
HILT Resistivity Gamma-Ray Density Device, 125 degC	HRGD-B	1850

Auxiliary Equipment :

HRDD Backscatter Detector	Backscatter	
HRDD Long Spacing Detector	Long Spacing	
HRDD Short Spacing Detector	Short Spacing	
Cesium 137 Gamma-Ray Logging Source	GSR-J	5159
HILT High-Resolution Control Cartridge, 125 degC	HRCC-B	1813
HILT High-Resolution Mechanical Sonde, 125 degC	HRMS-B	1849

Calibration Parameter :

Small Ring Size (Caliper Calibration Small Ring)	8.00
Large Ring Size (Caliper Calibration Large Ring)	12.00

HDRS Caliper Calibration - Caliper Accumulations

Before (Measured): 14:17:39 30-Aug-2013 Expired by 1 days

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Small Ring	in	Before	8.00	6.00	8.45	10.00	
Large Ring	in	Before	12.00	9.00	12.52	15.00	

HDRS Density Calibration - Inversion Results

Master (EEPROM):		12:34:24 29-Aug-2013					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Rho Aluminum	g/cm3	Master	2.596	2.586	2.594	2.606	
Rho Magnesium	g/cm3	Master	1.686	1.676	1.690	1.696	
Pe Aluminum		Master	2.570	2.470	2.550	2.670	
Pe Magnesium		Master	2.650	2.550	2.632	2.750	

HDRS Density Calibration - Deviation Summary

Master (EEPROM):		12:34:24 29-Aug-2013					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
BS Average Deviation	%	Master	0	-0.6000	0.1674	0.6000	
BS Max Deviation	%	Master	0	-1.6000	0.4893	1.6000	
SS Average Deviation	%	Master	0	-1.0000	0.6098	1.0000	
SS Max Deviation	%	Master	0	-2.5000	1.4274	2.5000	
LS Average Deviation	%	Master	0	-1.5000	0.8293	1.5000	
LS Max Deviation	%	Master	0	-3.5000	1.8739	3.5000	

HDRS Density Calibration - Background Summary

Master (EEPROM):		12:34:24 29-Aug-2013		Before (Measured):		14:21:01 30-Aug-2013 Expired by 1 days	
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
BS Window Ratio		Master	1.0000		0.7385		
		Before	0.7385	0.7016	0.7378	0.7754	
		Before-Master	----	----	-0.0007	----	
BS Window Sum	1/s	Master	1		9348		
		Before	9348	8881	9352	9815	
		Before-Master	----	----	4	----	
SS Window Ratio		Master	1.0000		0.4854		
		Before	0.4854	0.4611	0.4851	0.5096	
		Before-Master	----	----	-0.0003	----	
SS Window Sum	1/s	Master	1		9409		
		Before	9409	8938	9408	9879	
		Before-Master	----	----	-1	----	
LS Window Ratio		Master	1.0000		0.2921		
		Before	0.2921	0.2775	0.2907	0.3067	
		Before-Master	----	----	-0.0014	----	
LS Window Sum	1/s	Master	1		1067		
		Before	1067	1014	1057	1121	
		Before-Master	----	----	-10	----	

HDRS Density Calibration - Photo-multiplier High Voltages

Master (EEPROM):		12:34:24 29-Aug-2013		Before (Measured):		14:21:01 30-Aug-2013 Expired by 1 days	
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
BS PM High Voltage	V	Master		1000	2189	2400	
		Before		1000	2166	2400	
		Before-Master	----	-100	-23	100	
SS PM High Voltage	V	Master		1000	2130	2400	
		Before		1000	2102	2400	
		Before-Master	----	-100	-28	100	
LS PM High Voltage	V	Master		1000	1754	2400	
		Before		1000	1735	2400	
		Before-Master	----	-100	-19	100	

HDRS Density Calibration - Crystal Quality Resolutions

Master (EEPROM):		12:34:24 29-Aug-2013		Before (Measured):		14:21:01 30-Aug-2013 Expired by 1 days	
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
BS Crystal Resolution	%	Master		5.00	13.13	25.00	
		Before		5.00	13.31	25.00	
		Before-Master	----	-1.00	0.18	1.00	
SS Crystal Resolution	%	Master		5.00	10.81	20.00	
		Before		5.00	10.62	20.00	
		Before-Master	----	-1.00	-0.19	1.00	
LS Crystal Resolution	%	Master		5.00	9.85	20.00	
		Before		5.00	9.92	20.00	
		Before-Master	----	-1.00	0.07	1.00	

HDRS MCFL Calibration - MCFL Accumulations

Before (Measured):		12:12:45 02-Sep-2013					
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Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Main Resistivity	ohm.m	Before	3875	3565	3840	4185	
Deep Resistivity	ohm.m	Before	3830	3524	3794	4136	
Shallow Resistivity	ohm.m	Before	3830	3524	3867	4136	

HGNS-B (HILT Gamma-Ray and Neutron Sonde, 125 degC) Calibration - Run 2A

Primary Equipment :			
HILT Gamma-Ray and Neutron Sonde, 125 degC		HGNS-B	1893
Auxiliary Equipment :			
HGNS Accelerometer, 125 degC		HACCZ-B	452
AmBe Neutron Logging Source		NSR-F	2179
Calibration Parameter :			
Water Temperature			
Housing Size			
JIG-BKG (Jig minus background reference)		165	

HGNS Accelerometer Calibration - Accelerometer Accumulations

Before (Measured):	08:26:35 02-Sep-2013						
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
AZ Vertical Measurement	ft/s2	Before	32.2	31.5	31.6	32.8	

HGNS Accelerometer EEPROM - Accelerometer EEPROM Read

Master (EEPROM):	00:00:00 15-Dec-1996						
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	----	----	51.000	----	
Accelerometer Coefficients - 1		Master	----	----	11.800	----	
Accelerometer Coefficients - 2		Master	----	----	0.011	----	
Accelerometer Coefficients - 3		Master	----	----	0.000	----	
Accelerometer Coefficients - 4		Master	----	----	2.182	----	
Accelerometer Coefficients - 5		Master	----	----	0.000	----	
Accelerometer Coefficients - 6		Master	----	----	0.000	----	
Accelerometer Coefficients - 7		Master	----	----	0.000	----	
Accelerometer Coefficients - 8		Master	----	----	293.400	----	
Accelerometer Coefficients - 9		Master	----	----	0.997	----	

HGNS Neutron Calibration - HGNS Neutron Accumulations

Master (EEPROM):	18:48:56 01-Aug-2013	Before (Measured):	14:16:56 30-Aug-2013	After:			
			Expired by 1 days				
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Near Zero Measurement	1/s	Master	0	5.0	23.6	40.0	
		Before	0	5.0	24.2	40.0	
		After	----	----	----	----	
		Before-Master	----	-3.5	0.6	3.5	
		After-Before	----	----	----	----	
Far Zero Measurement	1/s	Master	0	5.0	26.2	40.0	
		Before	0	5.0	27.3	40.0	
		After	----	----	----	----	
		Before-Master	----	-3.9	1.1	3.9	
		After-Before	----	----	----	----	
Near Plus Measurement - 0	1/s	Master	6031.0	4700.0	5841.0	6900.0	
		Before	----	----	----	----	
		After	----	----	----	----	
		Before-Master	----	----	----	----	
		After-Before	----	----	----	----	
Far Plus Measurement - 0	1/s	Master	2793.0	1900.0	2510.0	2900.0	
		Before	----	----	----	----	
		After	----	----	----	----	
		Before-Master	----	----	----	----	
		After-Before	----	----	----	----	
Near Corrected Plus Measurement - 0	1/s	Master		4700.0	5794.0	6900.0	

		Before	----	----	----	----	
		After	----	----	----	----	
		Before-Master	----	----	----	----	
		After-Before	----	----	----	----	
Far Corrected Plus Measurement - 0	1/s	Master		1900.0	2468.0	2900.0	
		Before	----	----	----	----	
		After	----	----	----	----	
		Before-Master	----	----	----	----	
		After-Before	----	----	----	----	

HGNS Gamma-Ray Calibration - Gamma-Ray Accumulations

Before (Measured): 14:30:11 30-Aug-2013 Expired by 1 days After:							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
RGR Zero Measurement	gAPI	Before	30.0	0	33.0	120.0	
		After	----	----	----	----	
		After-Before	----	----	----	----	
RGR Plus Measurement	gAPI	Before	185.4	157.1	160.4	206.3	
		After	----	----	NOT DONE	----	
		After-Before	----	----	----	----	
GR Calibration Gain		Before	0.89	0.80	1.03	1.05	
		After	----	----	----	----	
		After-Before	----	----	----	----	

EDTC-B (Enhanced Digital Telemetry Cartridge - Version B) Calibration - Run 2A

Primary Equipment :			
Enhanced Digital Telemetry Cartridge - B	EDTC-B	8341	
Calibration Parameter :			
Plus Reference (Jig minus background reference)	165		

EDTC-B Accelerometer Calibration - EDTC-B Accelerometer Calibration

Before (Measured): 08:26:45 02-Sep-2013							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
AZ Vertical Measurement	ft/s2	Before	32.19	31.53	32.10	32.84	

EDTC-B Memory Data - EDTC-B Memory Data

Master (EEPROM): 12:39:00 02-Sep-2013							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Initial PMT HV	V	Master			1678.000		
Accelerometer Serial Number		Master			1261		
Accelerometer Coefficients - 0		Master	----	----	2.992	----	
Accelerometer Coefficients - 1		Master	----	----	0.000	----	
Accelerometer Coefficients - 2		Master	----	----	0.000	----	
Accelerometer Coefficients - 3		Master	----	----	0.000	----	
Accelerometer Coefficients - 4		Master	----	----	0.000	----	
Accelerometer Coefficients - 5		Master	----	----	0.000	----	
Accelerometer Coefficients - 6		Master	----	----	0.000	----	
Accelerometer Coefficients - 7		Master	----	----	-0.004	----	
Accelerometer Coefficients - 8		Master	----	----	0.000	----	
Accelerometer Coefficients - 9		Master	----	----	0.000	----	
Accelerometer Coefficients - 10		Master	----	----	0.000	----	
Accelerometer Coefficients - 11		Master	----	----	0.000	----	
Gamma-Ray Detector Serial Number		Master			77205		

EDTC-B Gamma-Ray Calibration - Gamma Ray Coefficients

Before (Measured): 05:15:59 01-Sep-2013 After:							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Gamma Ray Gain		Before	1.000	0.900	1.073	1.100	
		After	----	----	----	----	
		After-Before	----	----	----	----	

EDTC-B Gamma-Ray Calibration - Gamma Ray Accumulations

Before (Measured): 05:15:59 01-Sep-2013 After:							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
RGR Zero Measurement	gAPI	Before		0	32.207	120.000	
		After	----	----	----	----	
		After-Before	----	----	----	----	

RGR Plus Measurement	gAPI	Before After After-Before	165.000 -----	150.000 -----	153.752 NOT DONE -----	180.000 -----	<table border="1"> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> </table>																

Company: Chevron AMBU

Well: Conner 6H

Field: Wildcat

County: Marshall

State: West Virginia



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