

Company: Vecta Oil & Gas Ltd

Well: Snowmass 44-32

Field: Wildcat

County: Cheyenne State: Colorado

Platform Express			
Triple Combo			
Microlog			
Location:		Lot 16, Sec. 32, Twn. 12S, Rng. 47W	
SHL: 689' FSL & 643' FEL		Elev. K.B. 4528.00 ft	
Lat/Long: 38.955540/-102.688810		G.L. 4517.00 ft	
D.F. 4527.00 ft			
Permanent Datum:		Ground Level	
Log Measured From:		Kelly Bushing	
Drilling Measured From:		Kelly Bushing	
API Serial No.		Section: 32	
05-017-07725-00		Township: 12S	
		Range: 47W	

Logging Date	20-Oct-2012		
Run Number	Run 1		
Depth Driller	5858.00 ft		
Schlumberger Depth	5852.00 ft		
Bottom Log Interval	5852.00 ft		
Top Log Interval	427.00 ft		
Casing Driller Size @ Depth	8.625 in @ 434.00 ft		
Casing Schlumberger	427 ft		
Bit Size	7.875 in		
Type Fluid In Hole	Chemical Gel		
Density	Viscosity	62 s	
Fluid Loss	PH	7.2 cm3	8
MUD			
Source of Sample			
RM @ Meas Temp	Flowline		
RMF @ Meas Temp	1.6 ohm.m	@	60.6 degF
RMC @ Meas Temp	1.2 ohm.m	@	60.6 degF
Source RMF	2 ohm.m	@	60.6 degF
RM @ BHT	RMC	Calculated	
RM @ BHT	0.71 @ 145	0.53 @ 145	
Max Recorded Temperatures			
Circulation Stopped	Time	20-Oct-2012 02:00:00	
Logger on Bottom	Time	20-Oct-2012 19:26:42	
Unit Number	Location:	3022	Ft. Morgan
Recorded By	Stan, Arvin, Megan		
Witnessed By	Ryan Scribner		

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.

Contents

- 1. Header
- 2. Disclaimer
- 3. Contents
- 4. Well Sketch
- 5. Borehole Size/Casing/Tubing Record
- 6. Operational Run Summary
- 7. Borehole Fluids
- 8. Remarks and Equipment Summary
- 9. Depth Summary
- 10. Run 1 5" Micro Log
 - 10.1 Integration Summary
 - 10.2 Software Version
 - 10.3 Composite Summary
 - 10.4 Log (EMD 5in Micro Log)
 - 10.5 Parameter Listing
- 11. Tail

Well Sketch

Driller Depth
0.00 ft

434.00 ft

Casing 8.625in
24lbm/ft



Borehole Size/Casing/Tubing Record

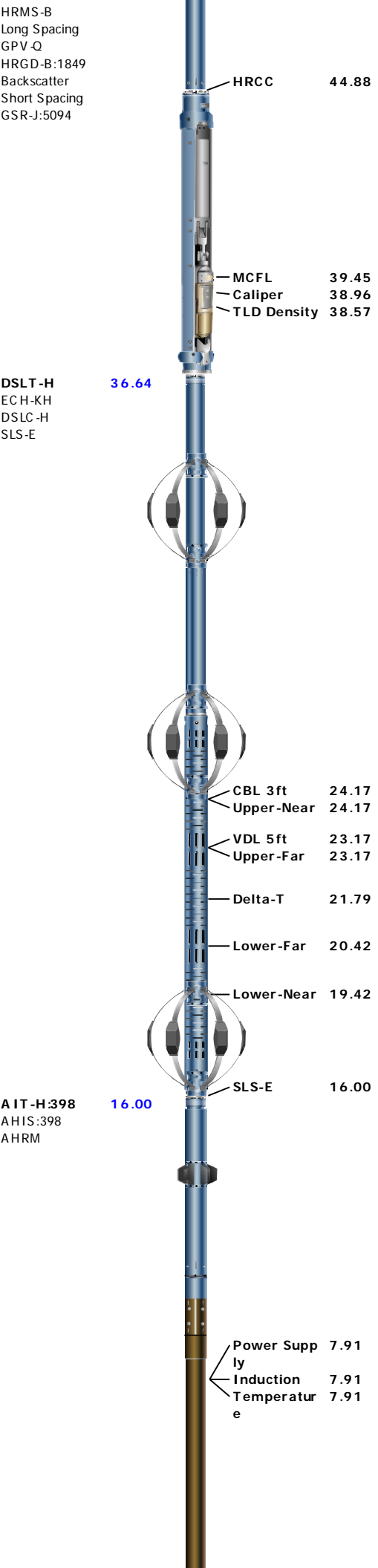
Bit						
Bit Size (in)	7.875					
Top Driller (ft)	434					
Top Logger (ft)	427					
Bottom Driller (ft)	5858					
Bottom Logger (ft)	5852					
Casing						
Size (in)	8.625					
Weight (lbm/ft)	24					
Inner Diameter (in)	8.099					
Top Driller (ft)	0					
Top Logger (ft)	0					
Bottom Driller (ft)	434					
Bottom Logger (ft)	427					

Operational Run Summary

Parameter (unit)	Run 1					
Date Log Started	20-Oct-2012					
Time Log Started	08:45:30					
Date Log Finished	20-Oct-2012					
Time Log Finished	21:22:59					
Top Log Interval (ft)	427.00					
Bottom Log Interval (ft)	5852.00					
Total Depth (ft)	5858.00					
Max Hole Deviation (deg)	0.00					
Azimuth of Max Deviation (deg)	0.00					
Bit Size (in)	7.875					
Logging Unit Number	3022					
Logging Unit Location	Ft. Morgan					
Recorded By	Stan, Arvin, Megan					
Witnessed By	Ryan Scribner					
Service Order Number	C6VJ-00026					

Borehole Fluids						
Parameter(unit)	Run 1					
Fluid Type	Water					
Fluid Name	Chemical Gel					
Max Recorded Temperatures (degF)	145					
Source of Sample	Flowline					
Salinity (ppm)	500					
Density (lbm/gal)	9.2					
Funnel Viscosity (s)	62					
Fluid Loss (cm3)	7.2					
PH	8					
Date/Time Circulation Stopped	20-Oct-2012 02:00:00					
Date Logger on Bottom	20-Oct-2012					
Time Logger on Bottom	19:26:42					
Source RMF						
RMC	Calculated					
RM @ Meas Temp (ohm.m@degF)	1.6 @ 60.6					
RMF @ Meas Temp (ohm.m@degF)	1.2 @ 60.6					
RMC @ Meas Temp (ohm.m@degF)	2 @ 60.6					
RM @ BHT (ohm.m@degF)	0.71 @ 145					
RMF @ BHT (ohm.m@degF)	0.53 @ 145					
RMC @ BHT (ohm.m@degF)	0.89 @ 145					
Total Solid (%)						
High Gravity Solids (%)						

Remarks and Equipment Summary					
Run 1: Toolstring				Run 1: Remarks	
Equip name	Length	MP name	Offset	Toolstring run as per tool sketch.	
LEH-QT LEH-QT	64.21				
DTC-H ECH-KC DTC-H	61.29	CTEM HV	60.39 0.00		
HGNS-B HGNH NPV-N NSR-F :5069 HGNS-B HACCZ-B:749 HMCA-B	58.29	TelStatus ToolStatus Temperature GR	58.29 58.29 58.26 57.55		
		CNL Porosity	51.21		
		HMCA	48.88		
		HGNS	48.88		
		Accelerometer	0.00		
HDRS-B ECH-MEB HRCC-B	48.88				





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	Run 1		
Depth Remark Parameters	Run 1		
Depth Remark 1	All Schlumberger depth procedures followed.		
Depth Remark 2	IDW as primary depth reference, Z-chart as secondary depth reference.		
Depth Measuring Device	Run 1		
Type	IDW-B		
Calibration Date	02-Oct-2012		
Calibrator Serial Number	78135a		
Calibration Cable Type	7-39P LXS		
Wheel Correction 1	1		
Wheel Correction 2	0		
Tension Device	Run 1		
Type	CMTD-B/A		
Serial Number	1109		
Calibration Date	02-Oct-2012		
Calibrator Serial Number	78135a		
Calibration Points	10		
Calibration RMS	6		
Calibration Peak Error	10		
Logging Cable	Run 1		
Type	7-39P-LXS		
Serial Number	A711075		
Logging Cable Length (ft)	16000.00		

Run 1

5" Micro Log

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
DepthCorrection	DepthCorrection	3.1.9755.0

Tool Elements	Description	Software Version	Firmware Version
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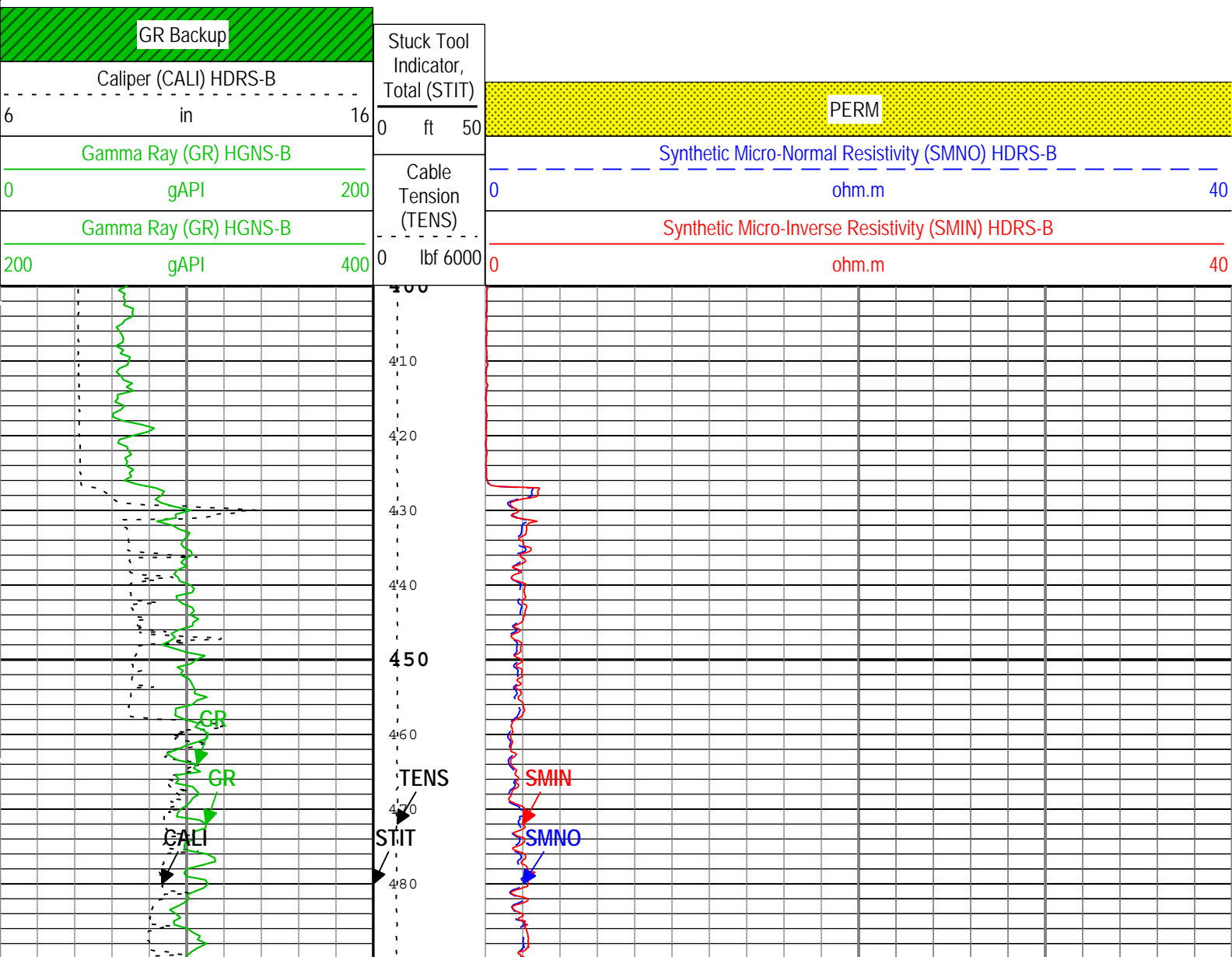
HRGD-B	HILT Resistivity Gamma-Ray Density Device, 125 degC	3.1.9755.0	3.0
HGNS-B	HILT Gamma-Ray and Neutron Sonde, 125 degC	3.1.9755.0	2.0
HRCC-B	HILT High-Resolution Control Cartridge, 125 degC	3.1.9755.0	2.0

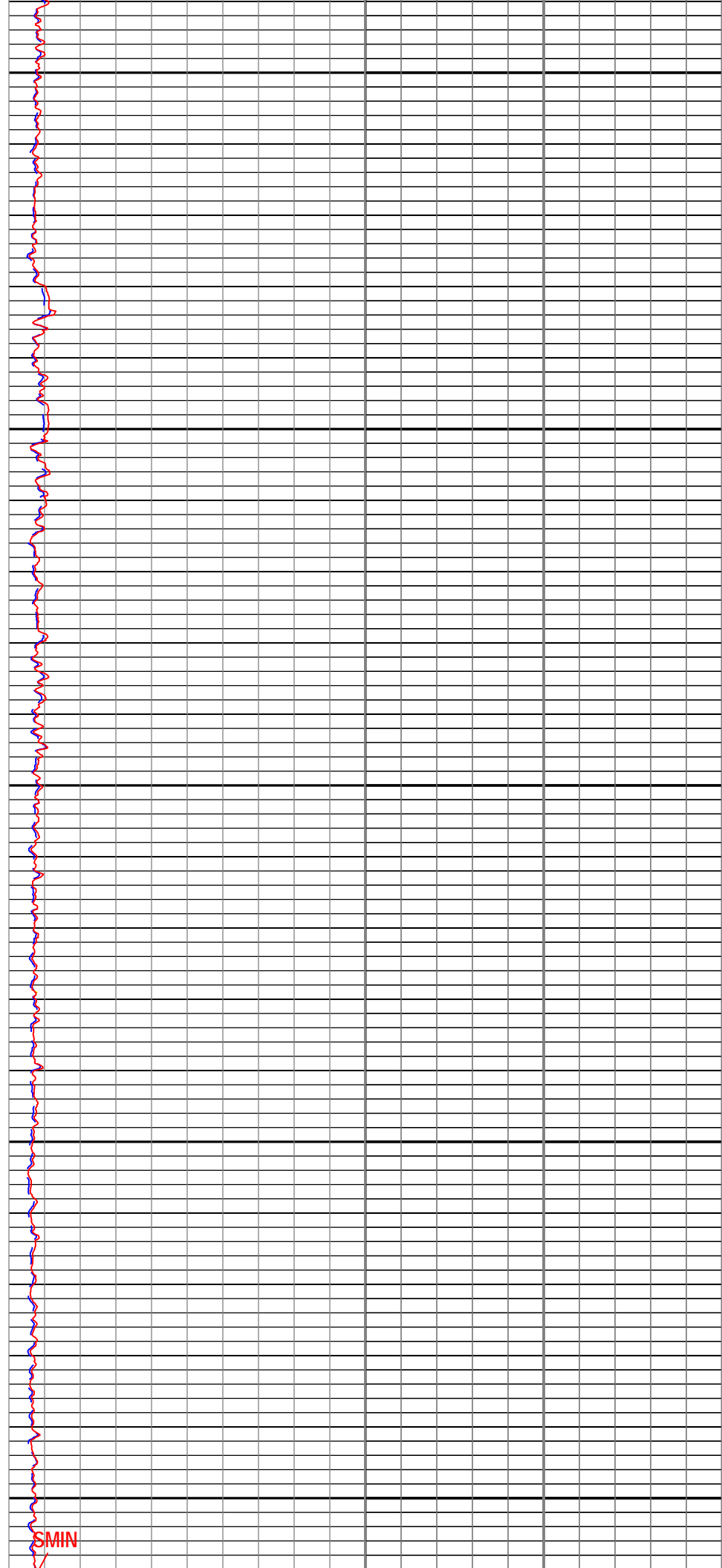
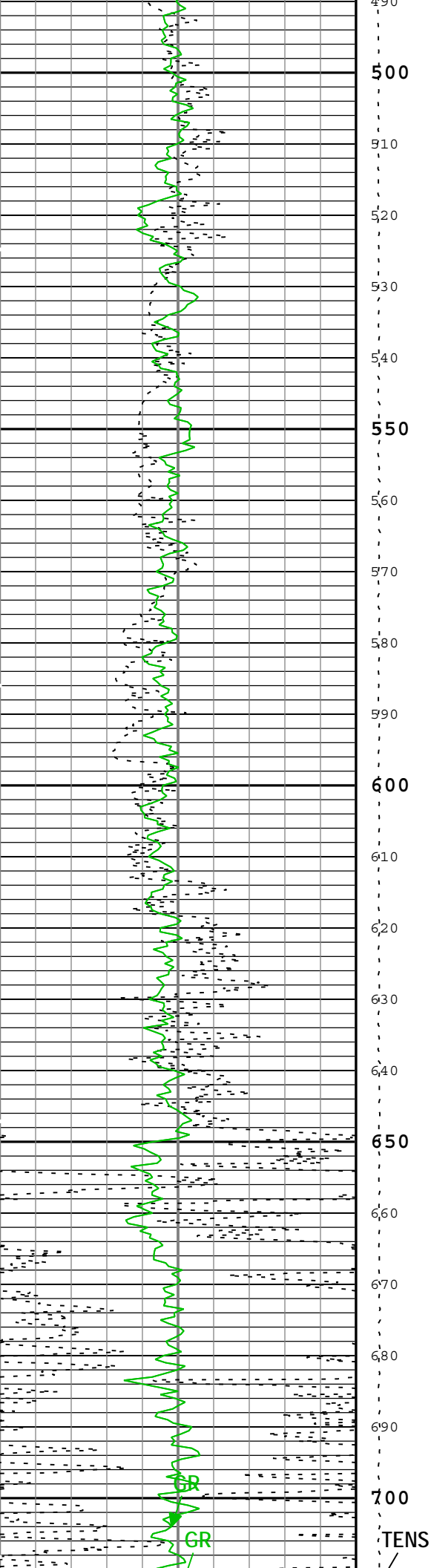
Pass Summary								
Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	Depth Shift	Include Parallel Data
Run 1	Log[5]:Up	Up	86.55 ft	5872.33 ft	20-Oct-2012 7:17:25 PM	20-Oct-2012 9:22:44 PM	7.00 ft	
All depths are referenced to toolstring zero								
Log	Run 1: Log[5]:Up							

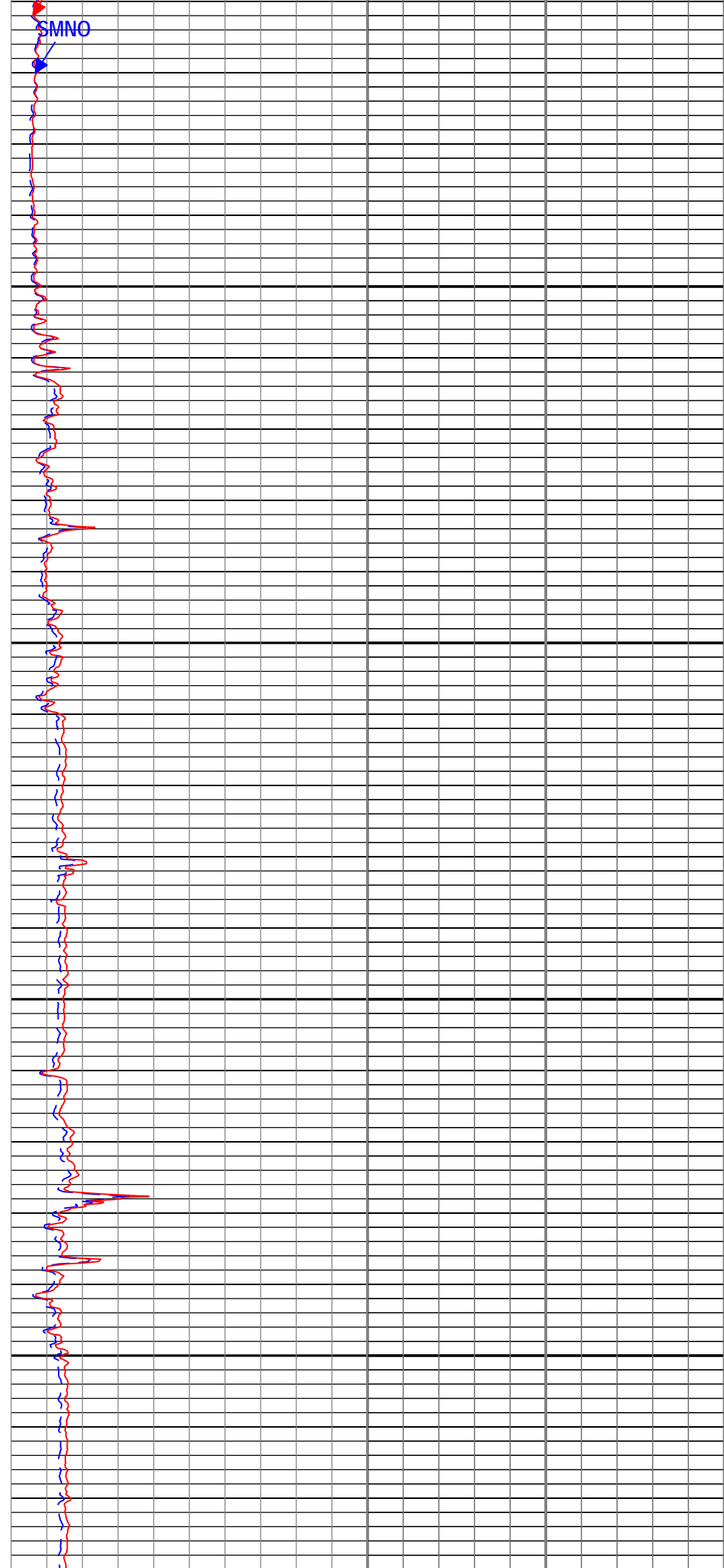
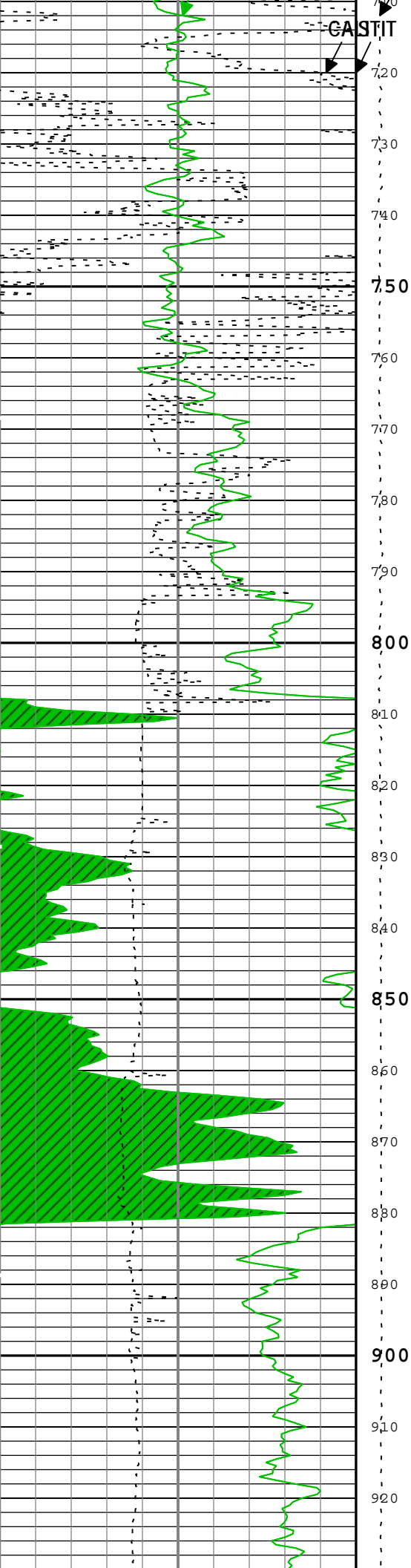
Description: MCFL processing for Platform Express Format: Log (EMD 5in Micro Log) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 20-Oct-2012 22:09:49

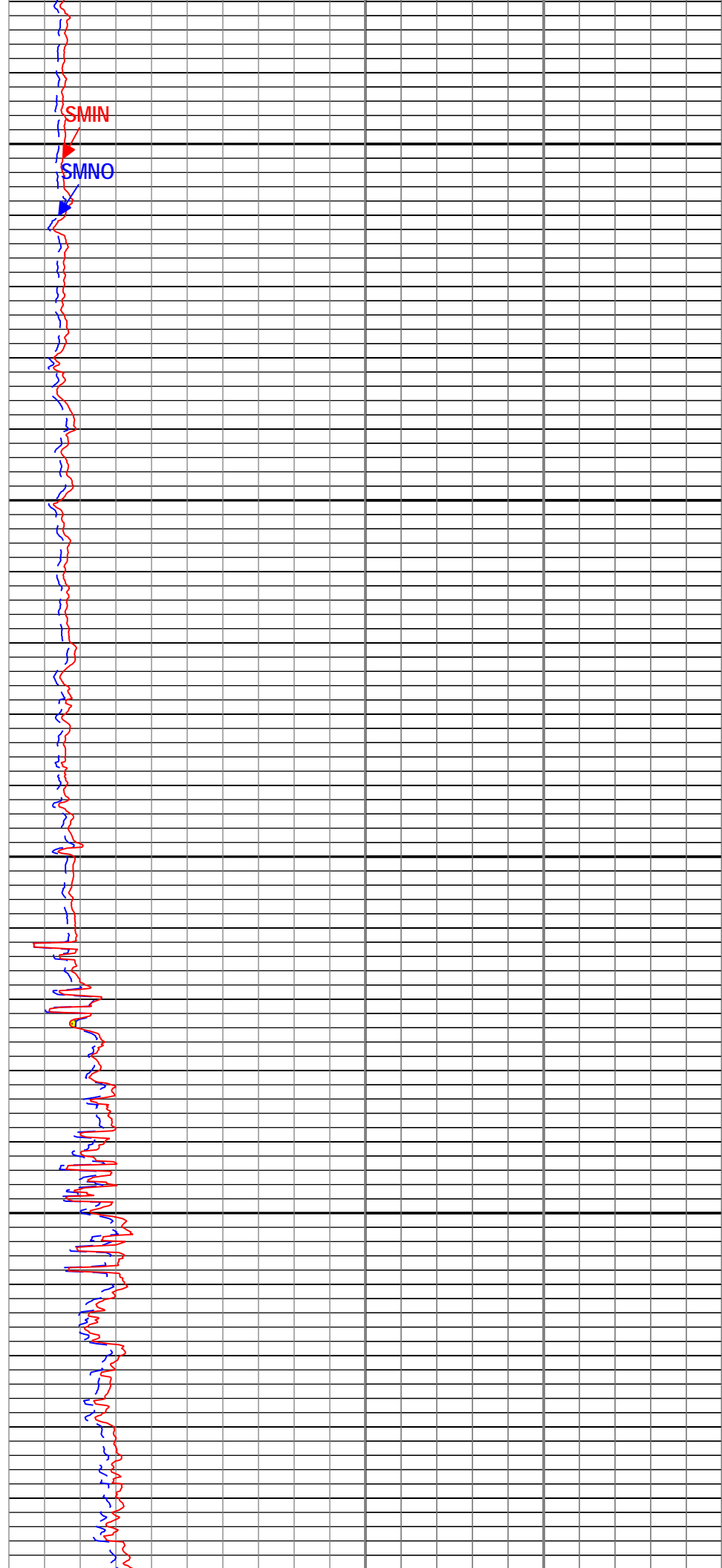
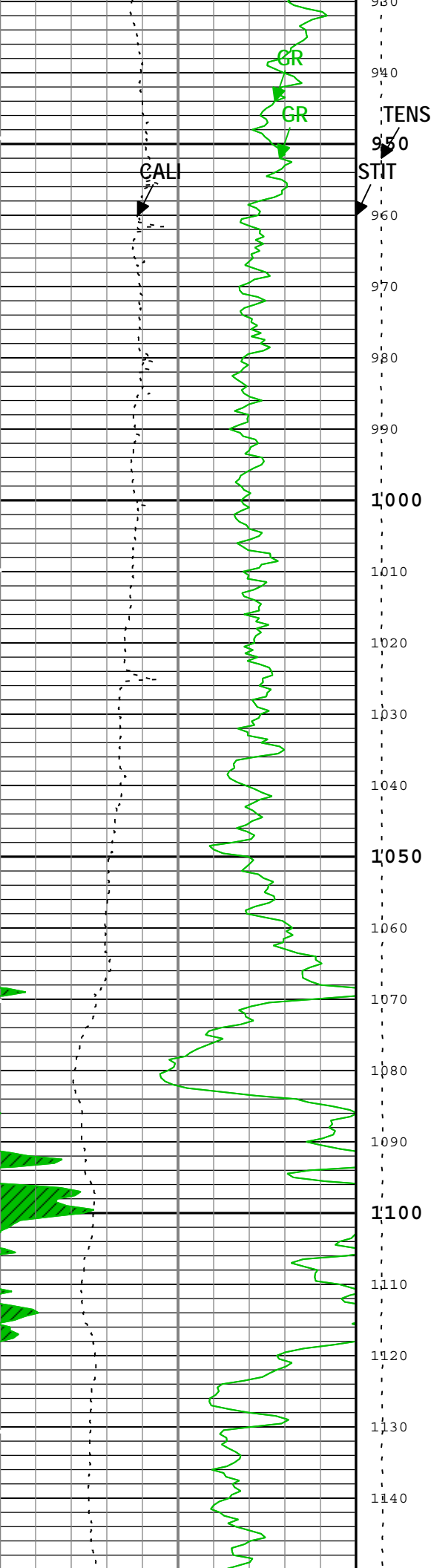
Channel	Source	Sampling
CALI	HDRS-B:HRCC-B:HRCC-B	1in
GR	HGNS-B:HGNS-B:HGNS-B	6in
SMIN	HDRS-B:HRMS-B:HRGD-B	2in
SMNO	HDRS-B:HRMS-B:HRGD-B	2in
STIT	DepthCorrection	6in
TENS	WLWorkflow	6in
TIME_1900	WLWorkflow	0.1in

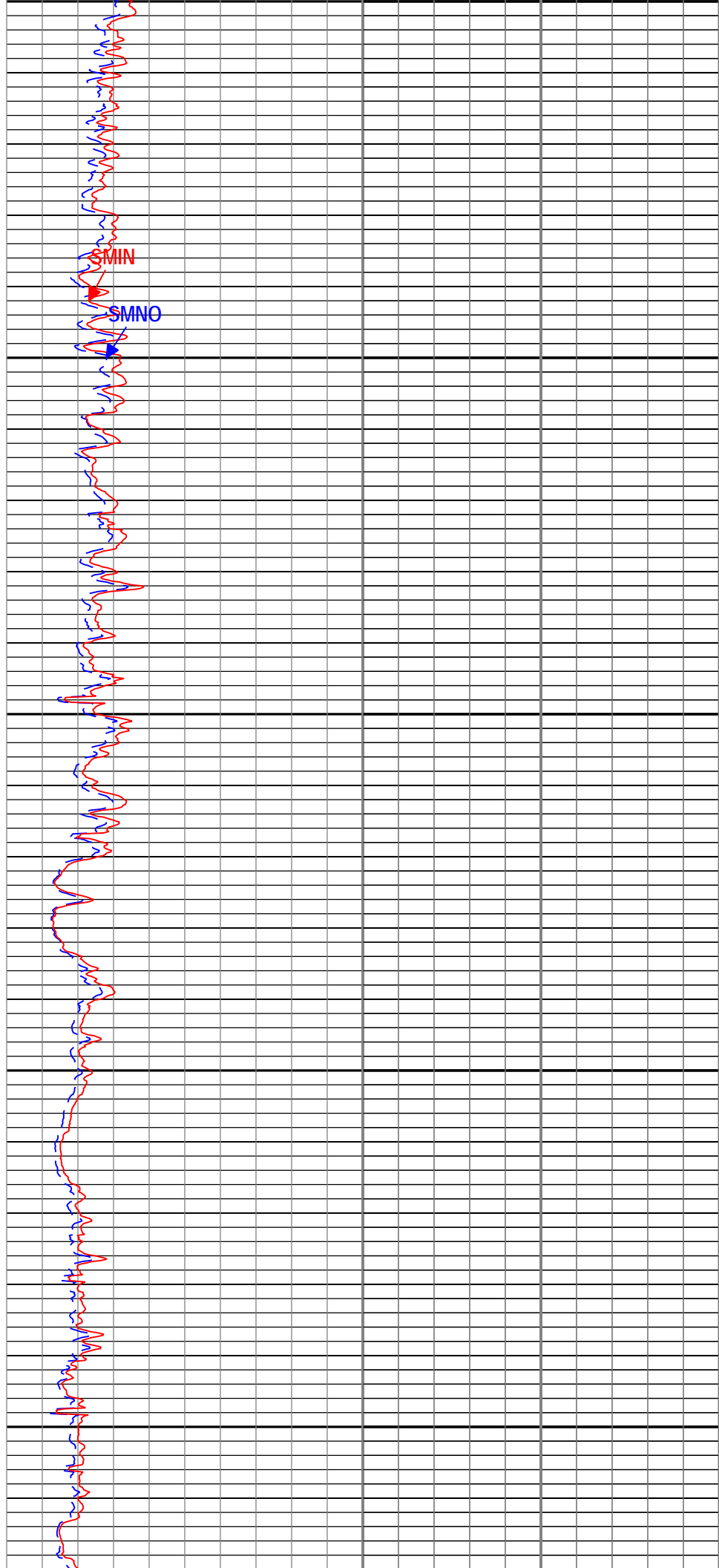
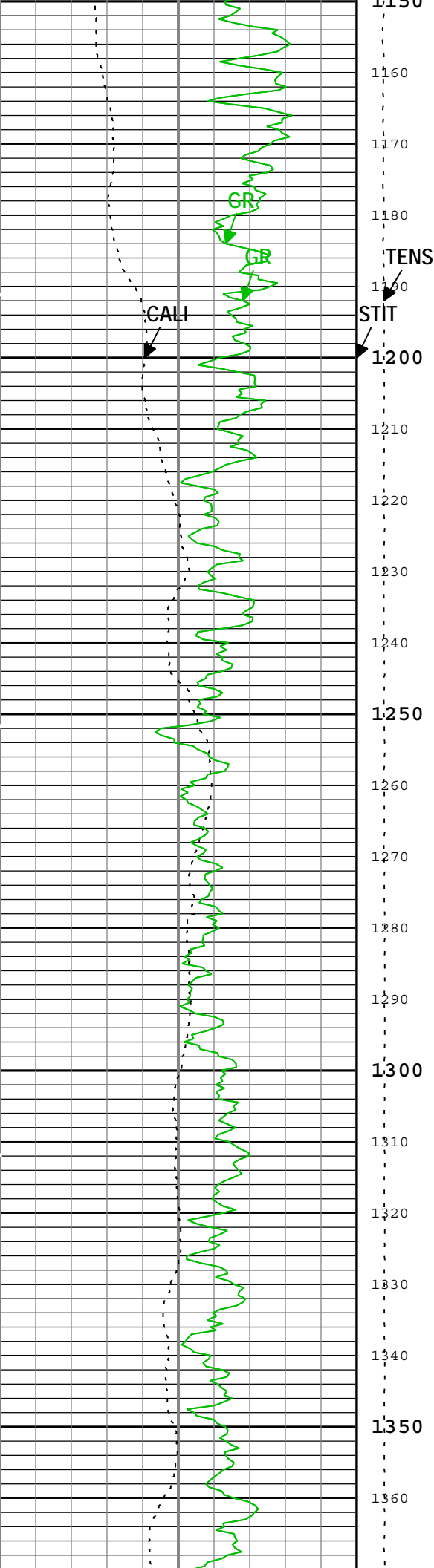
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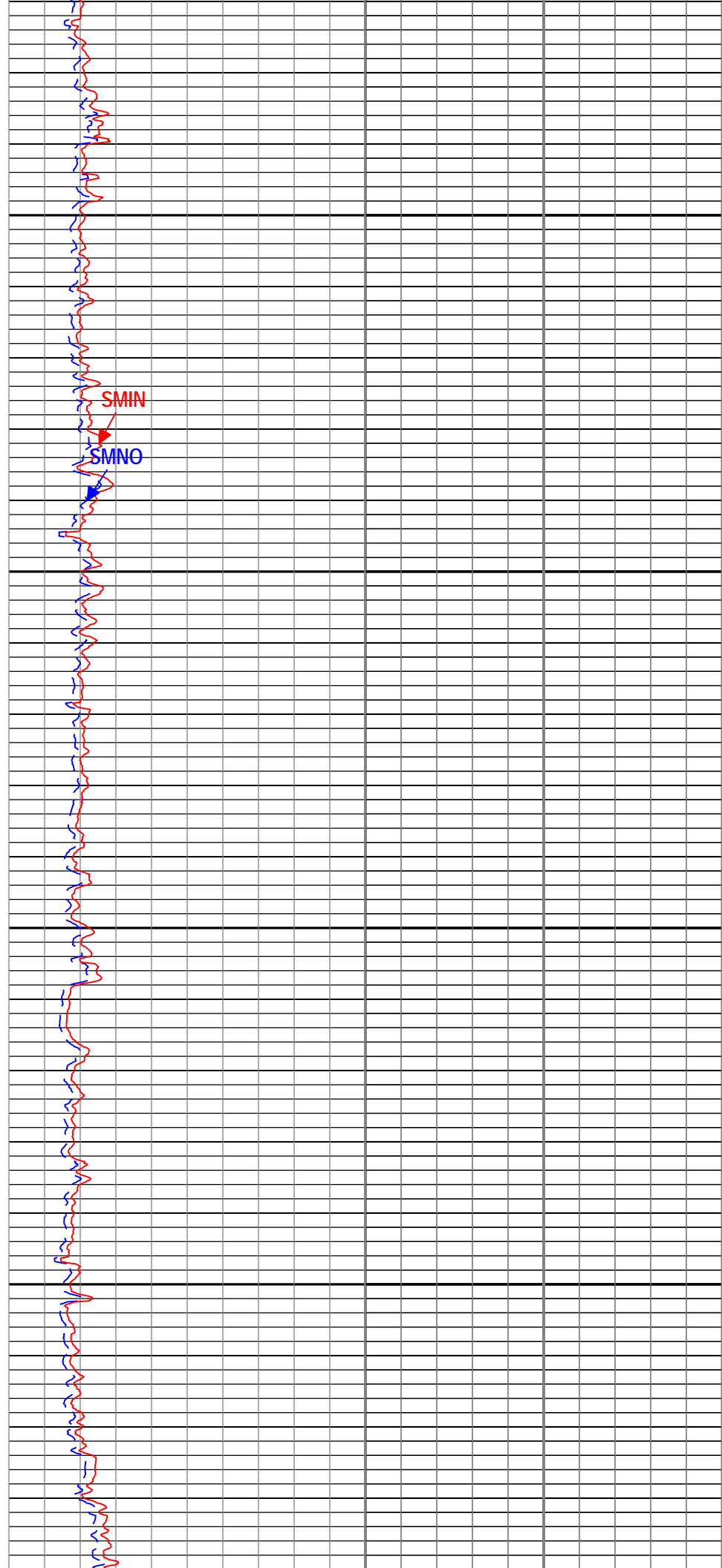
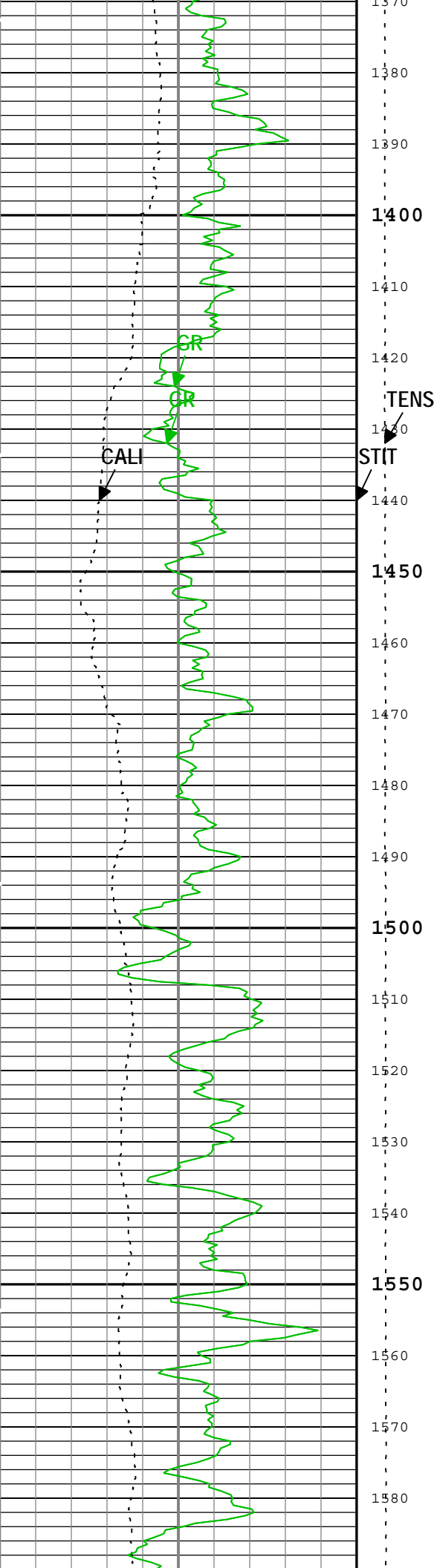


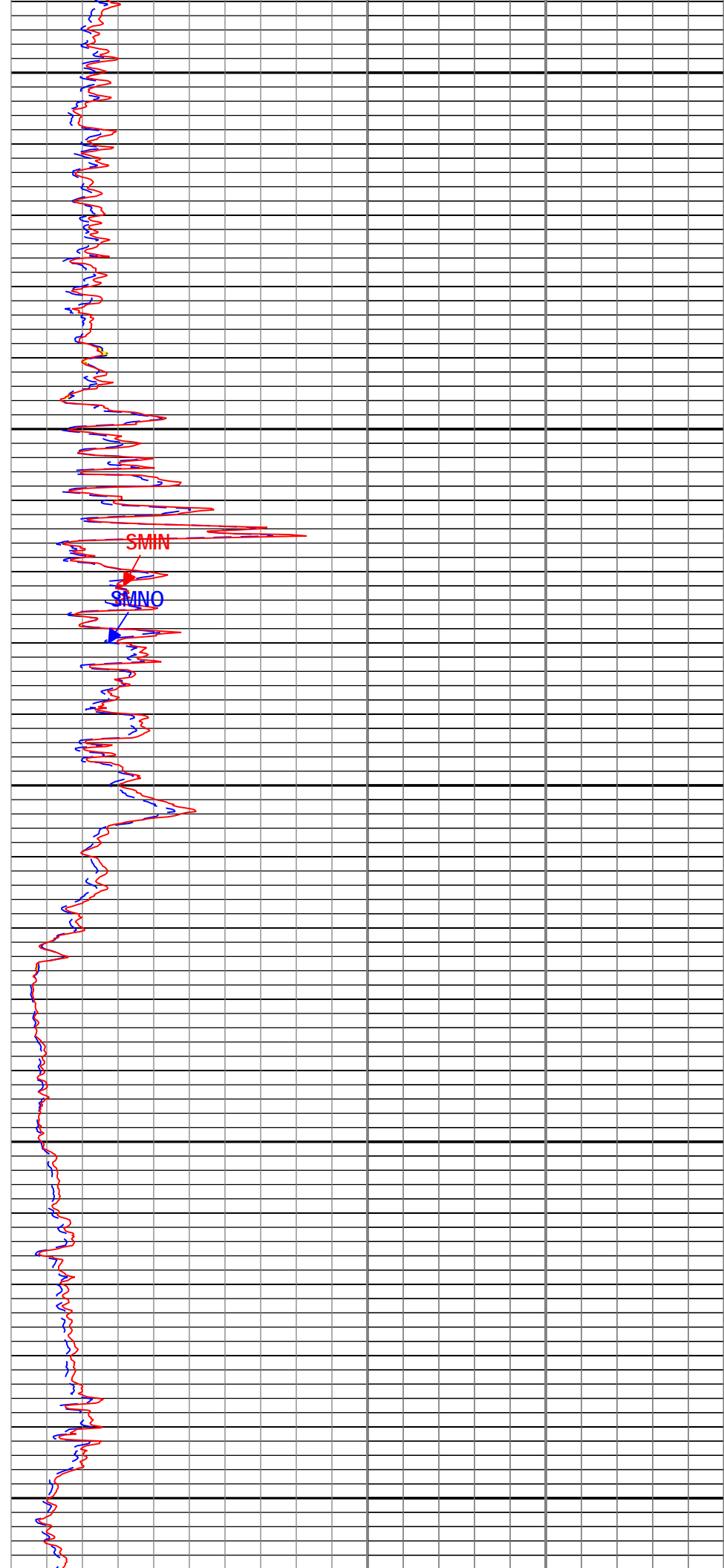
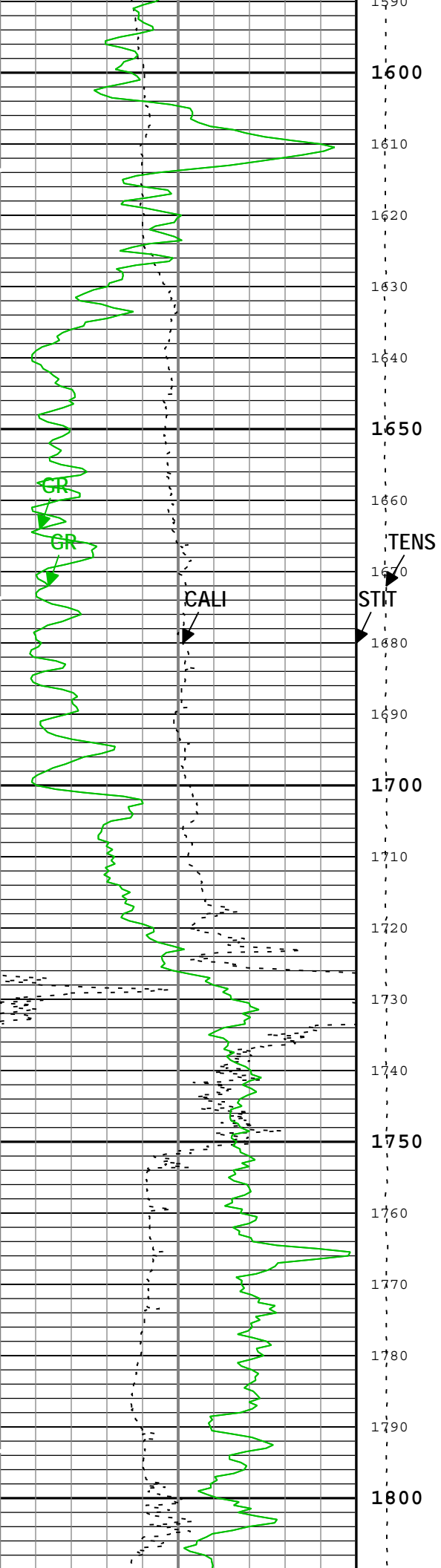


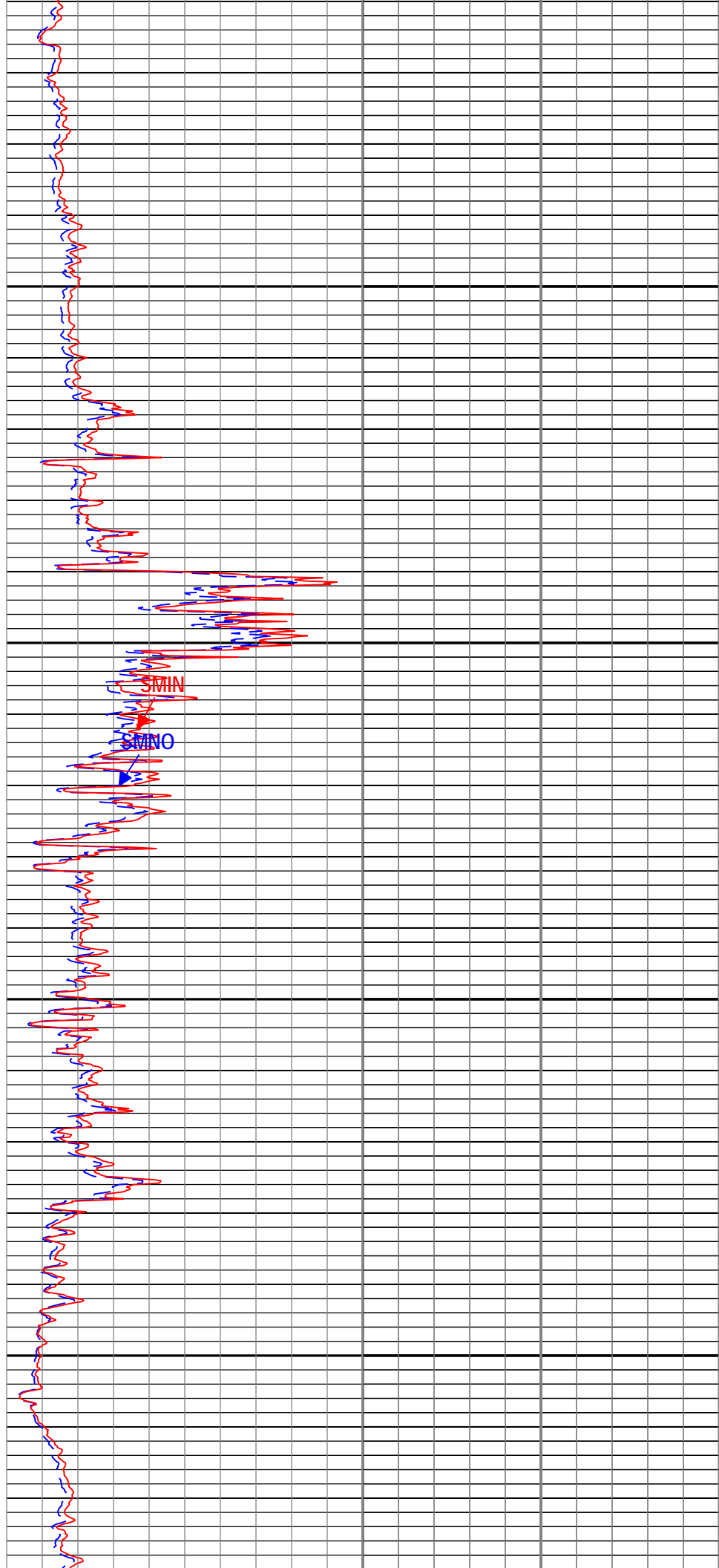
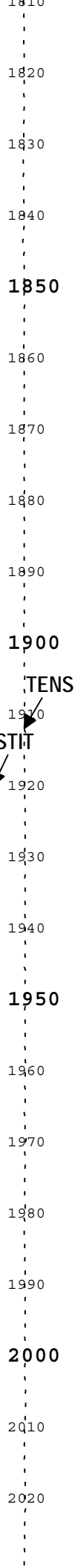
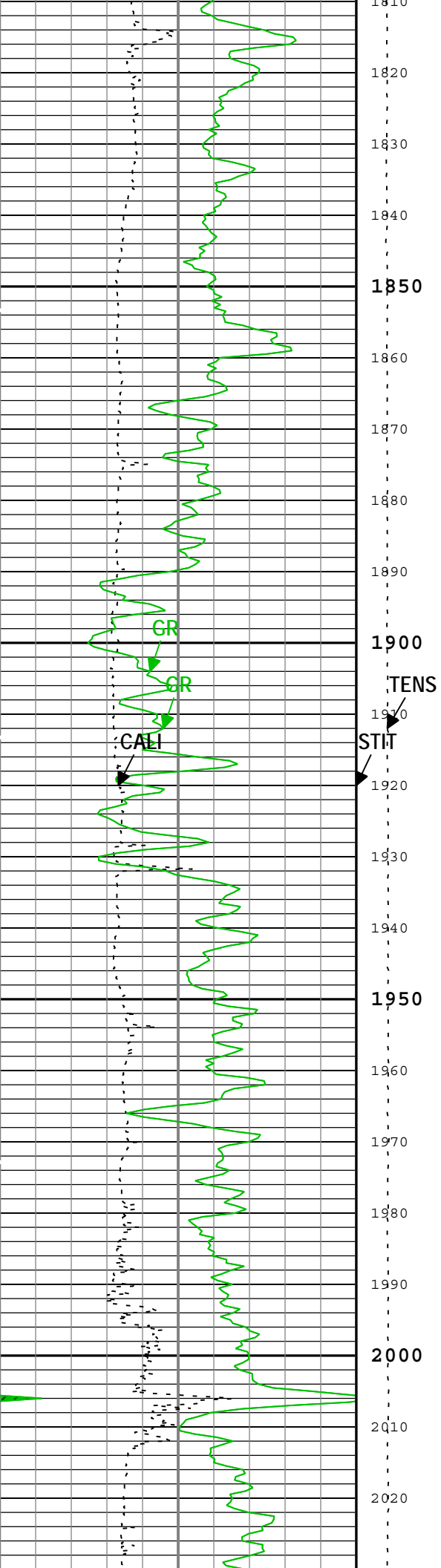


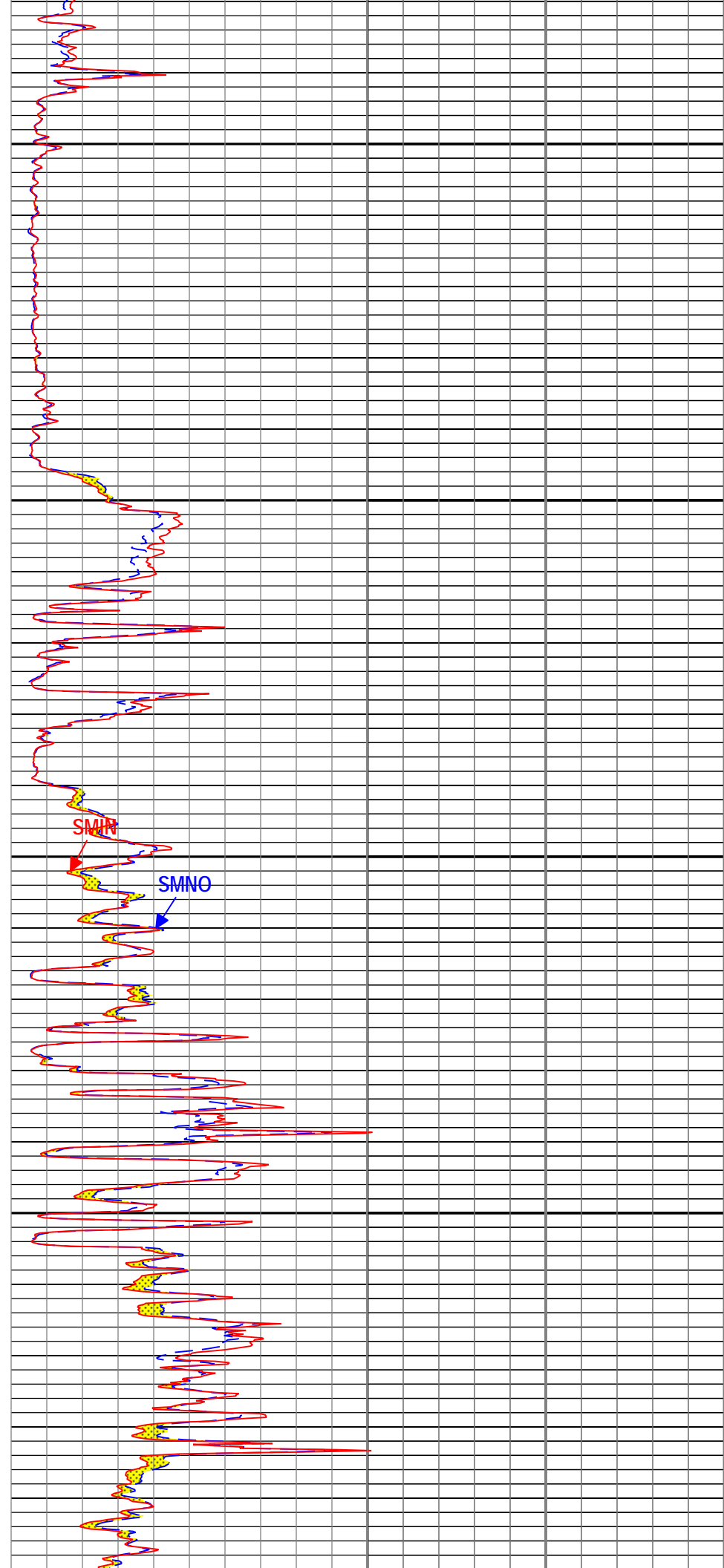
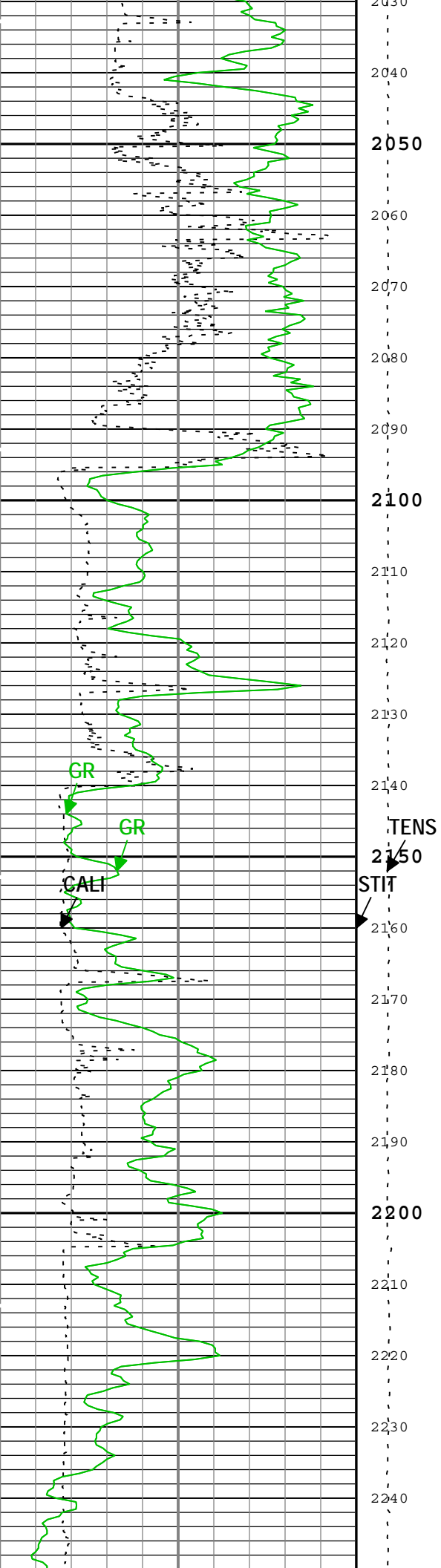


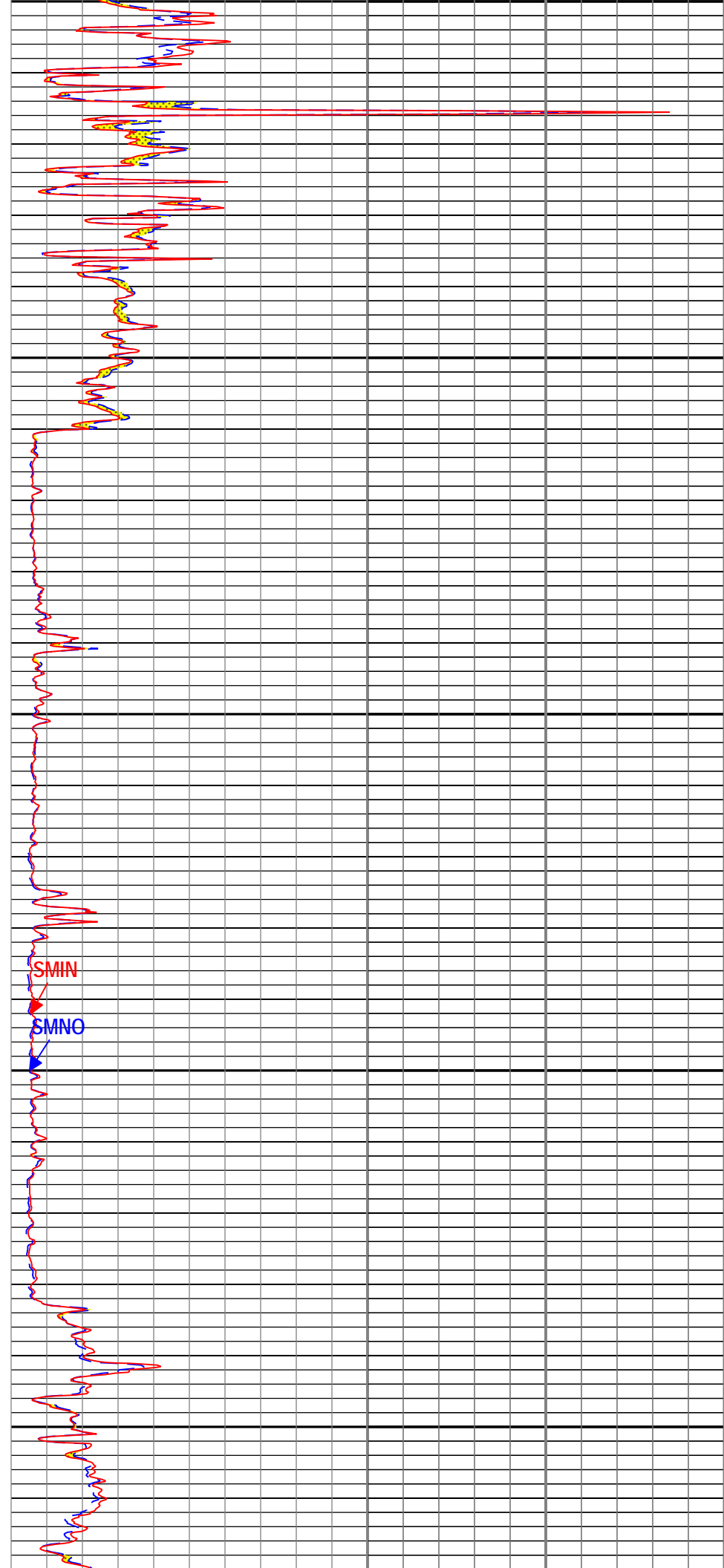
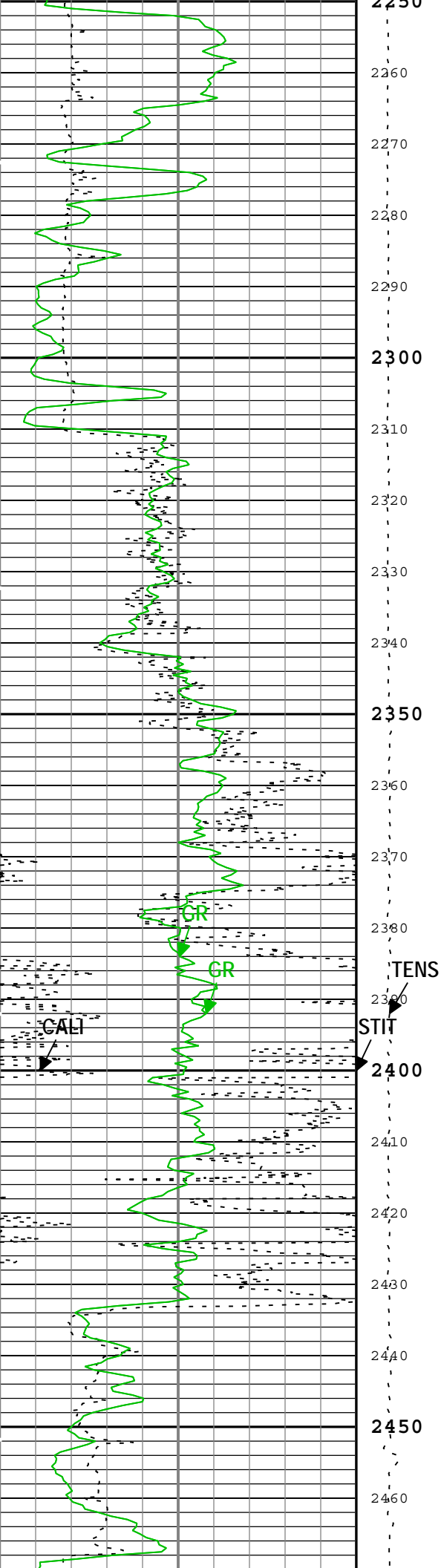


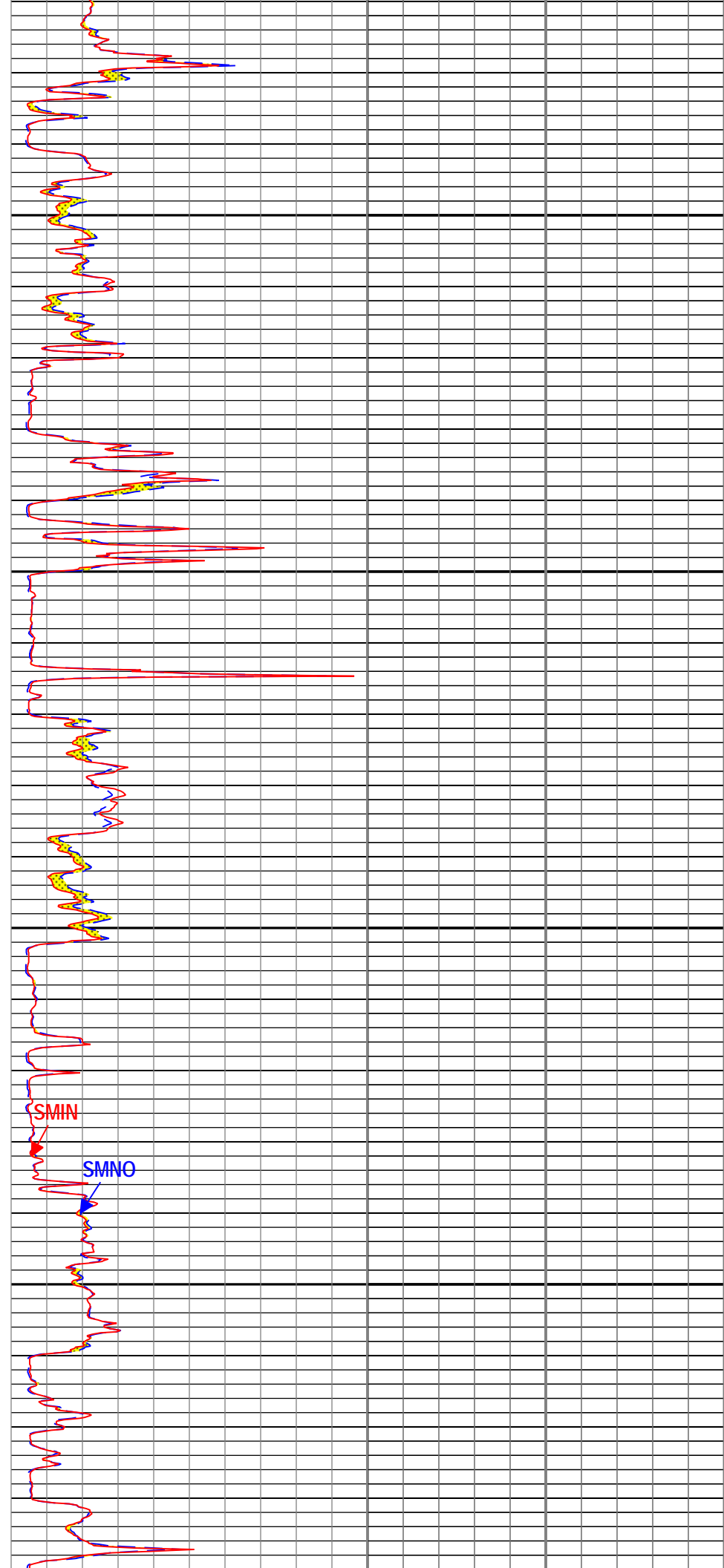
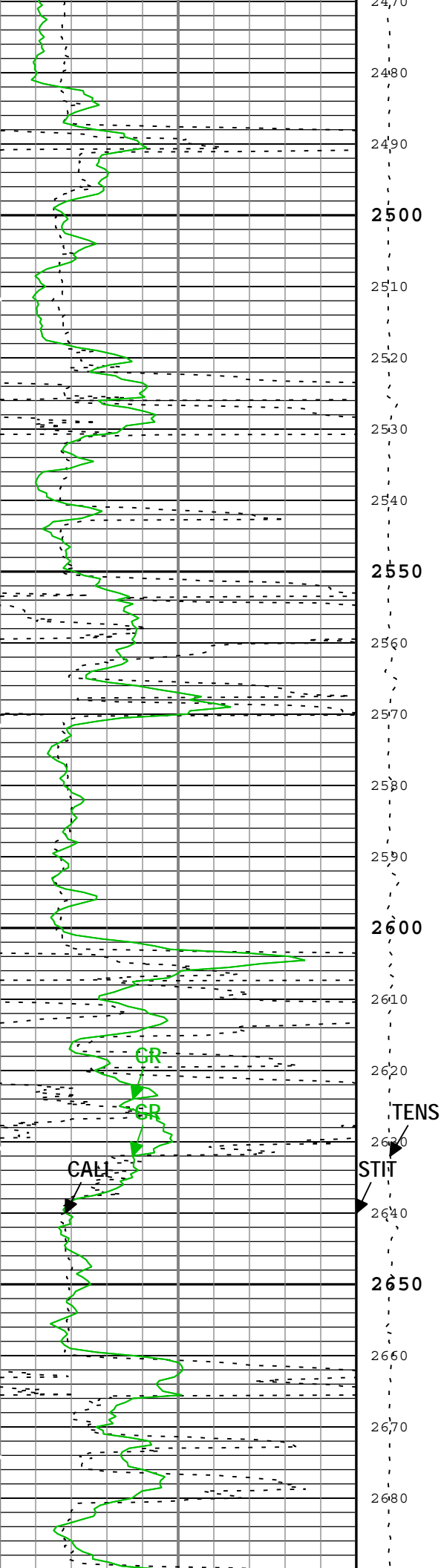


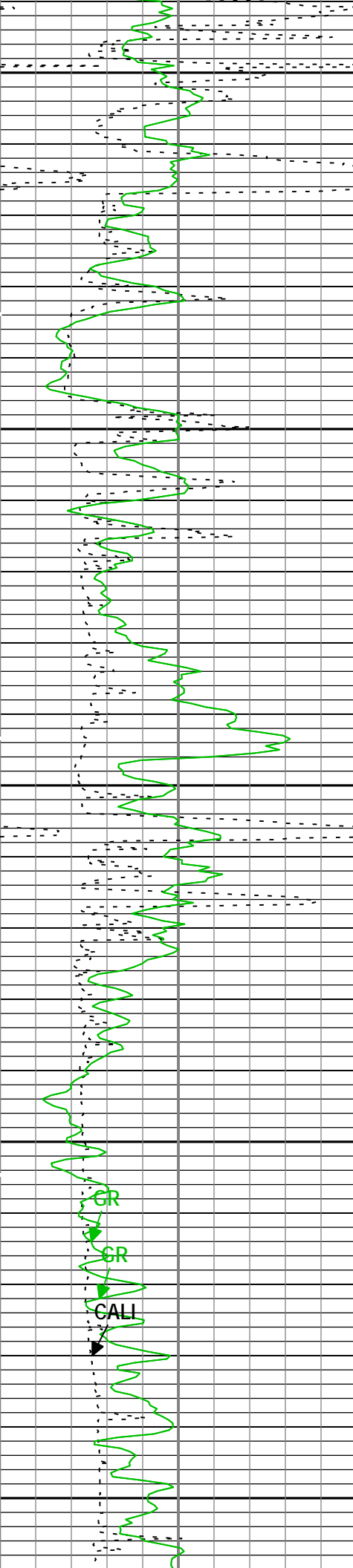




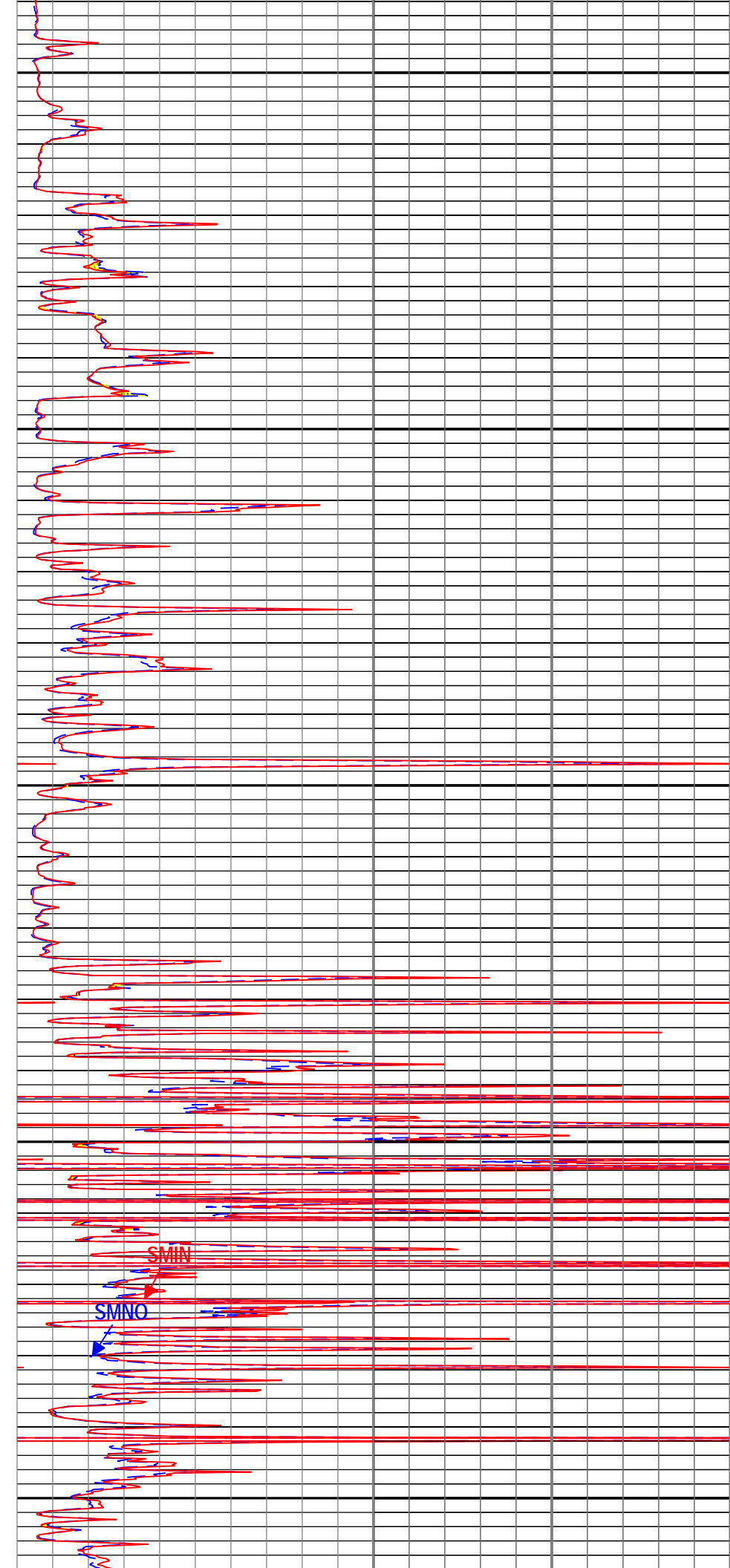


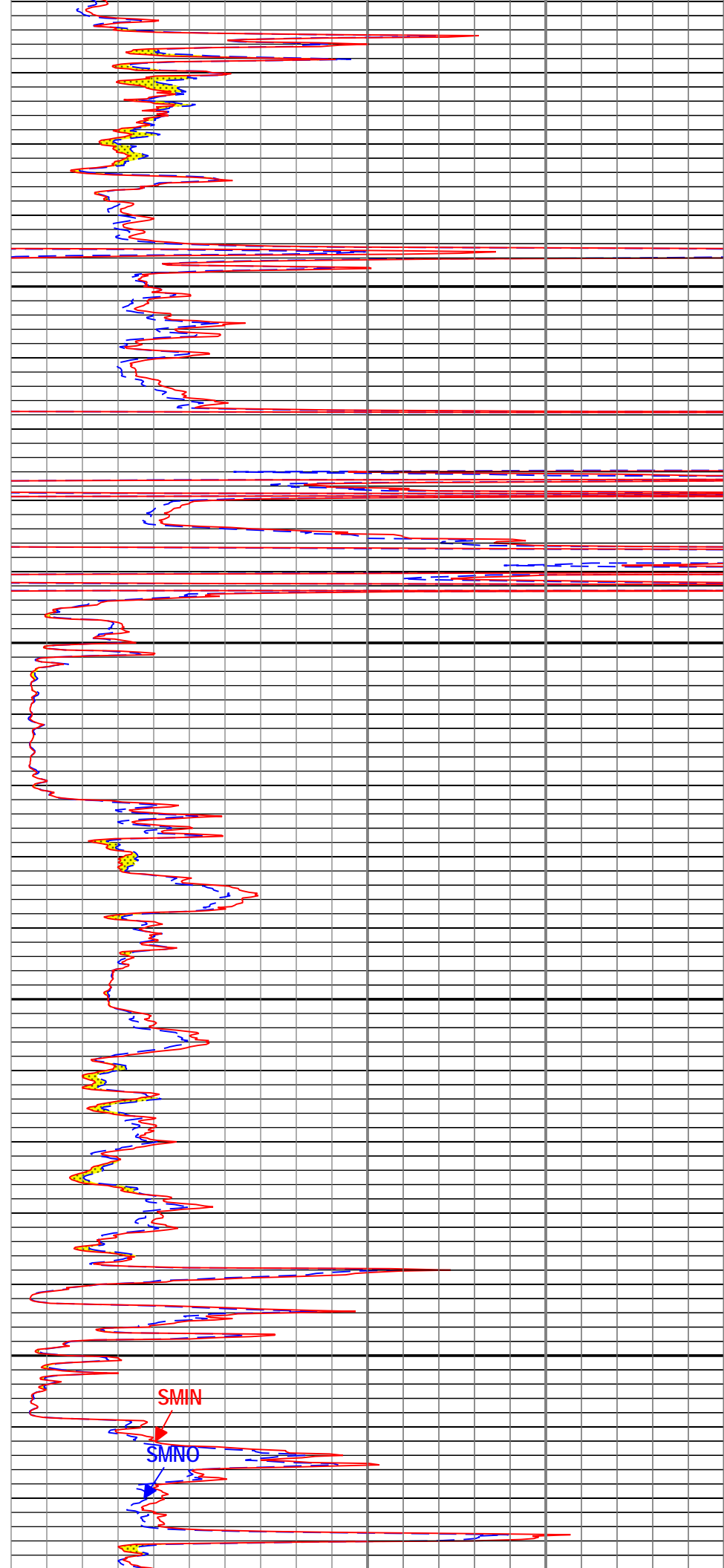
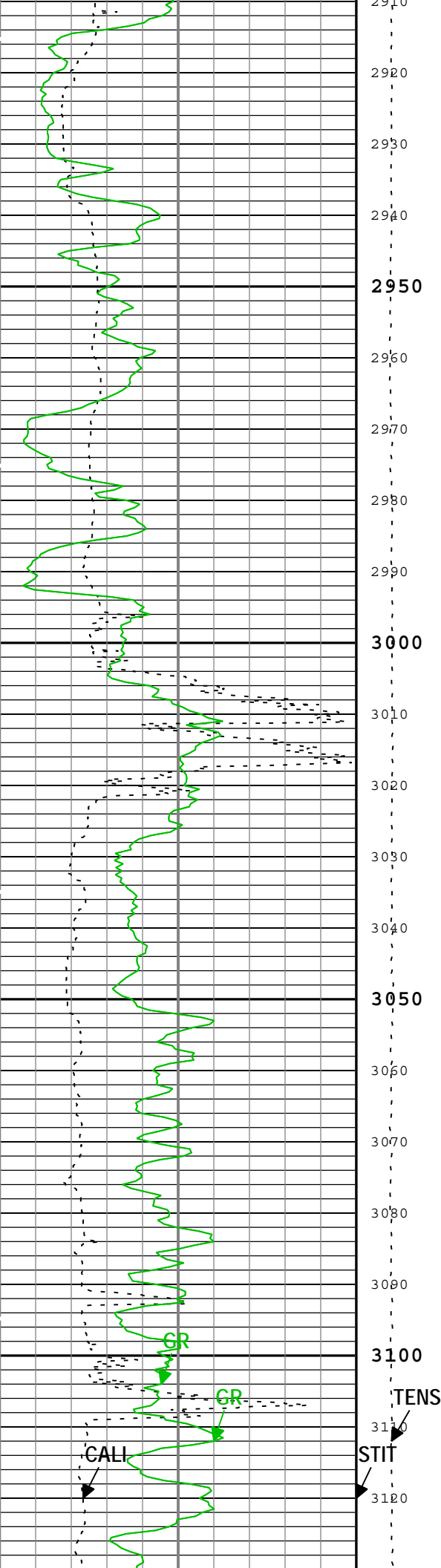


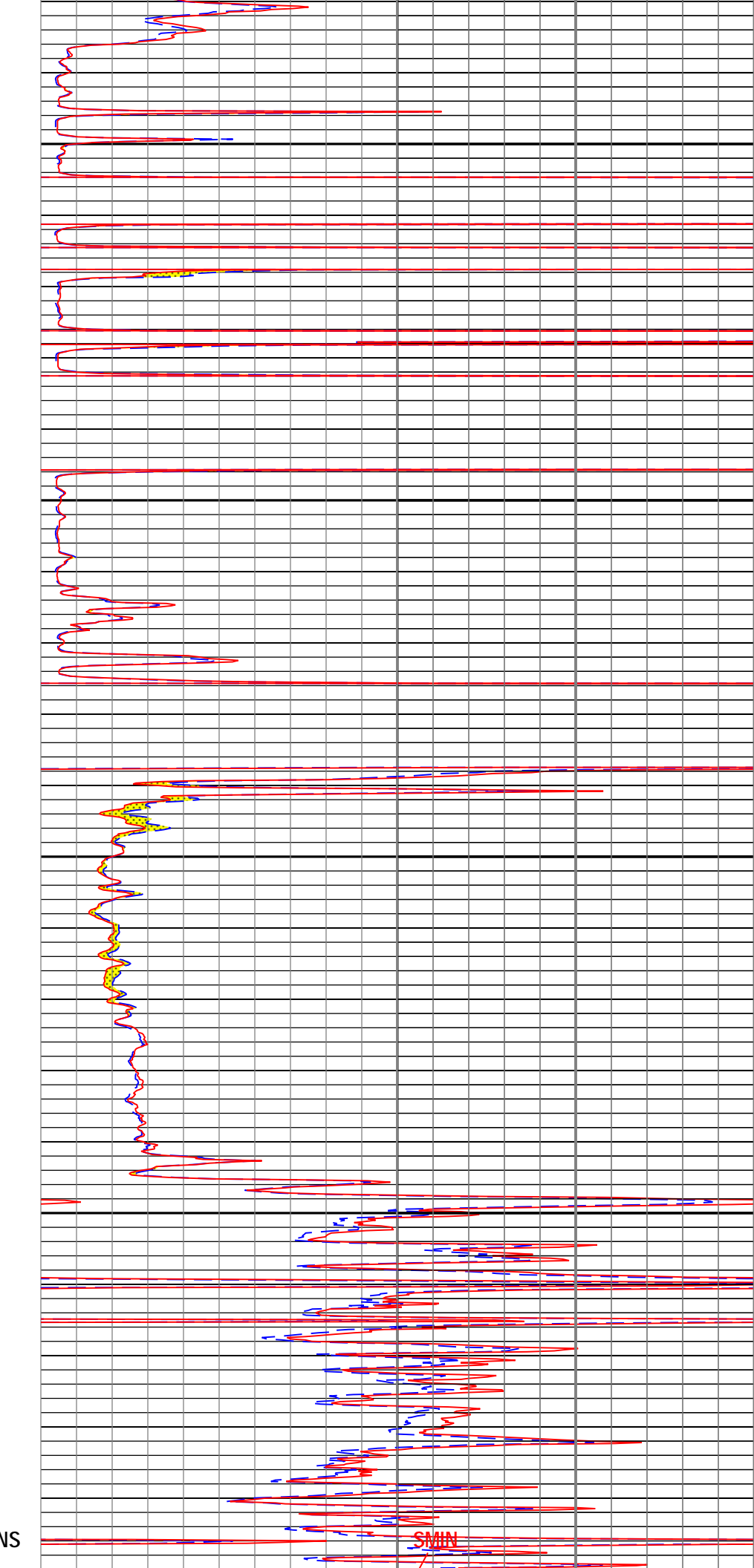
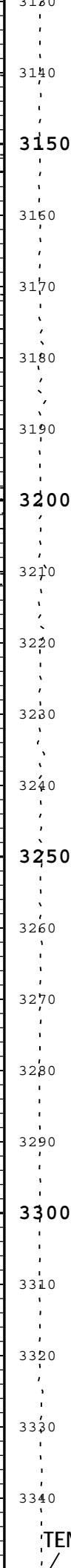
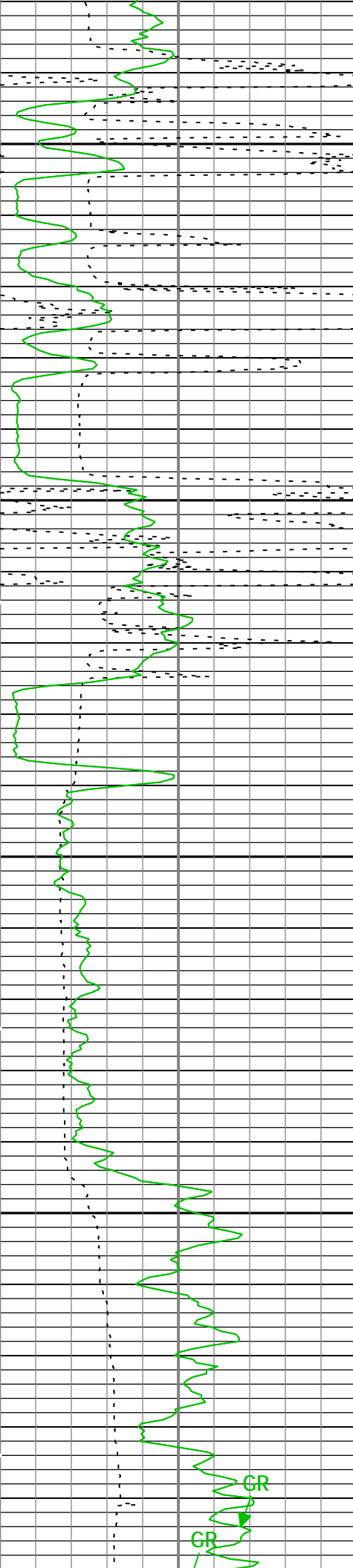


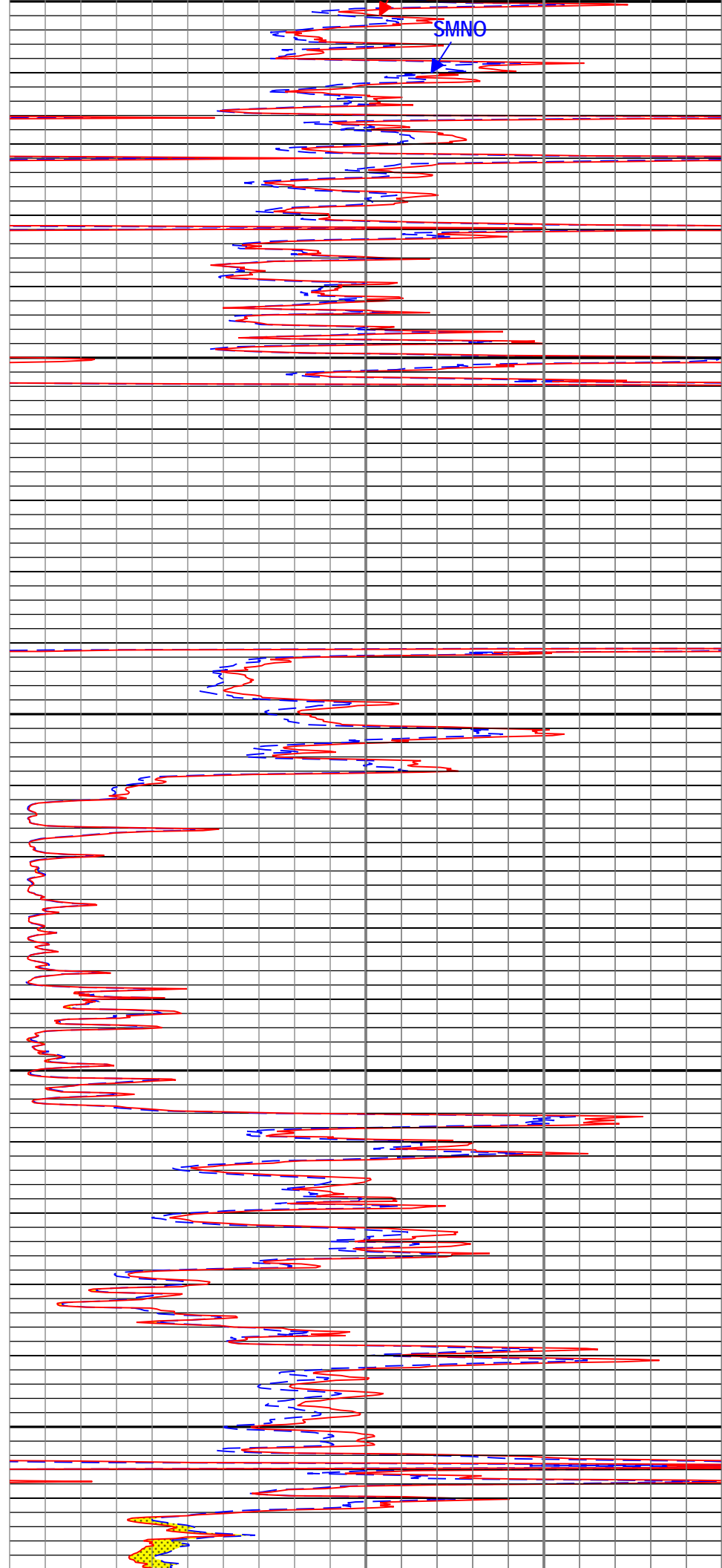
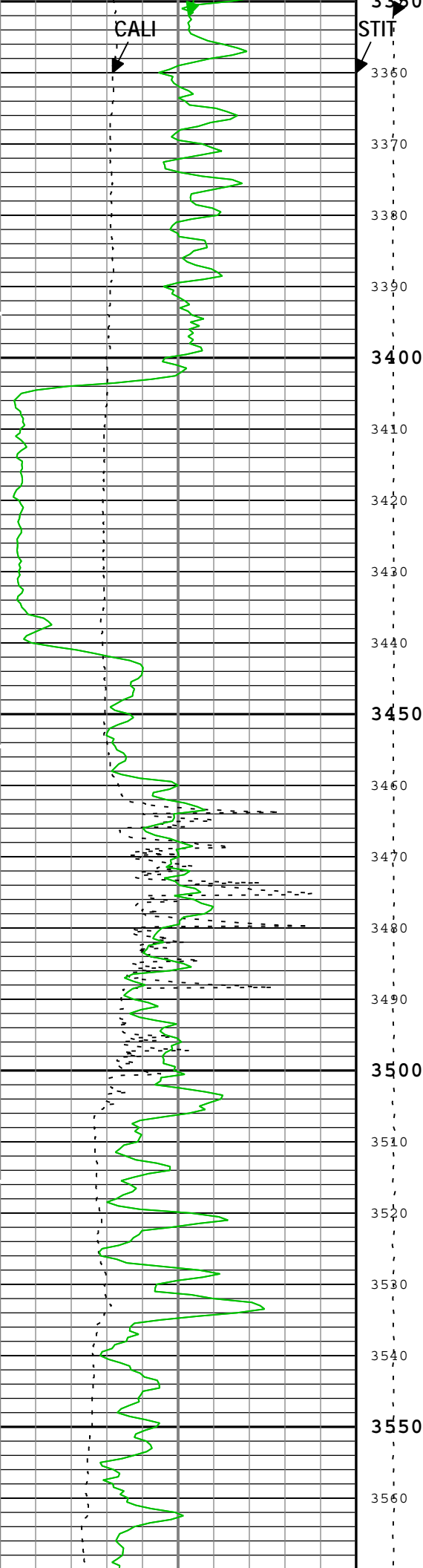


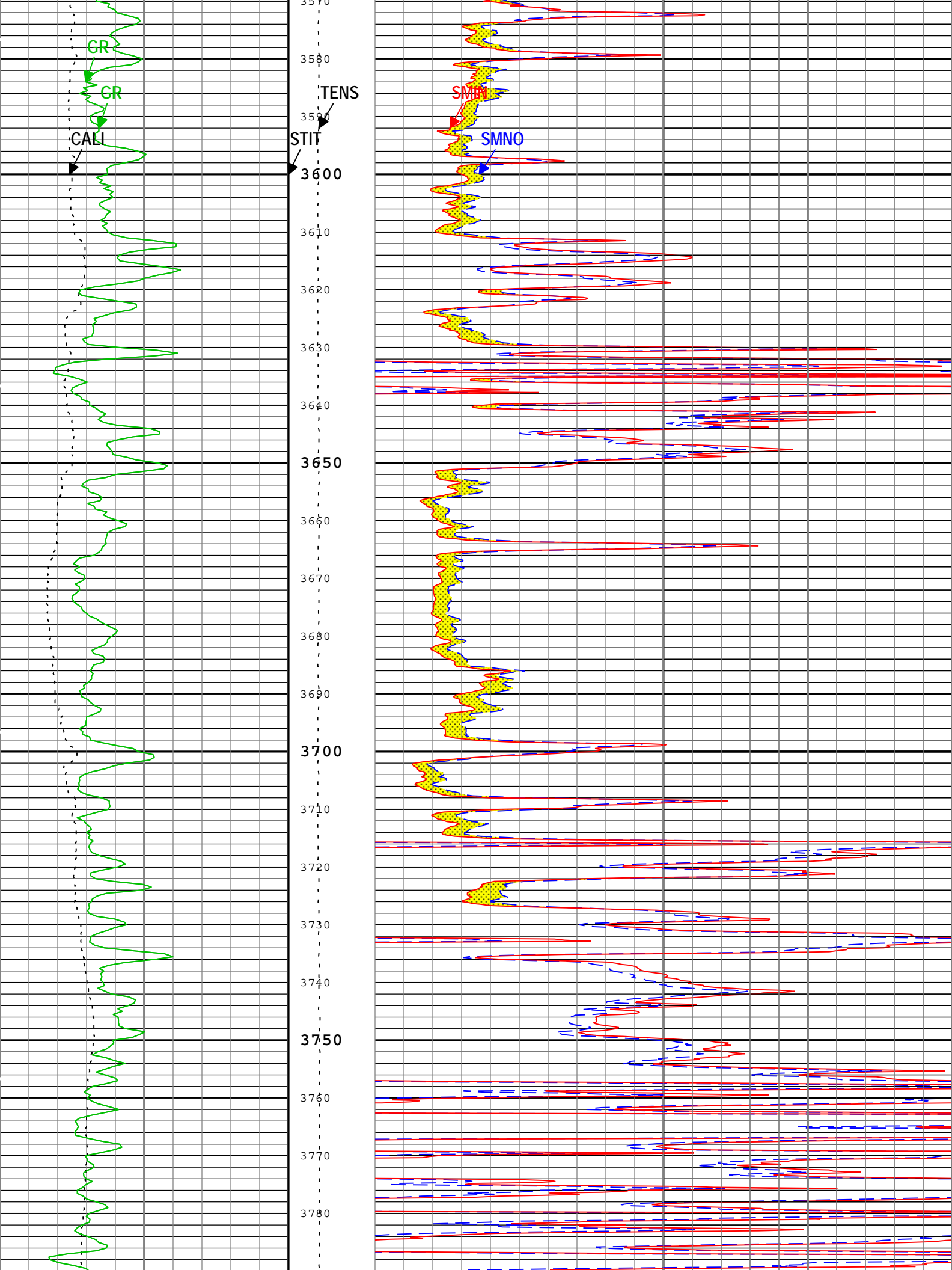
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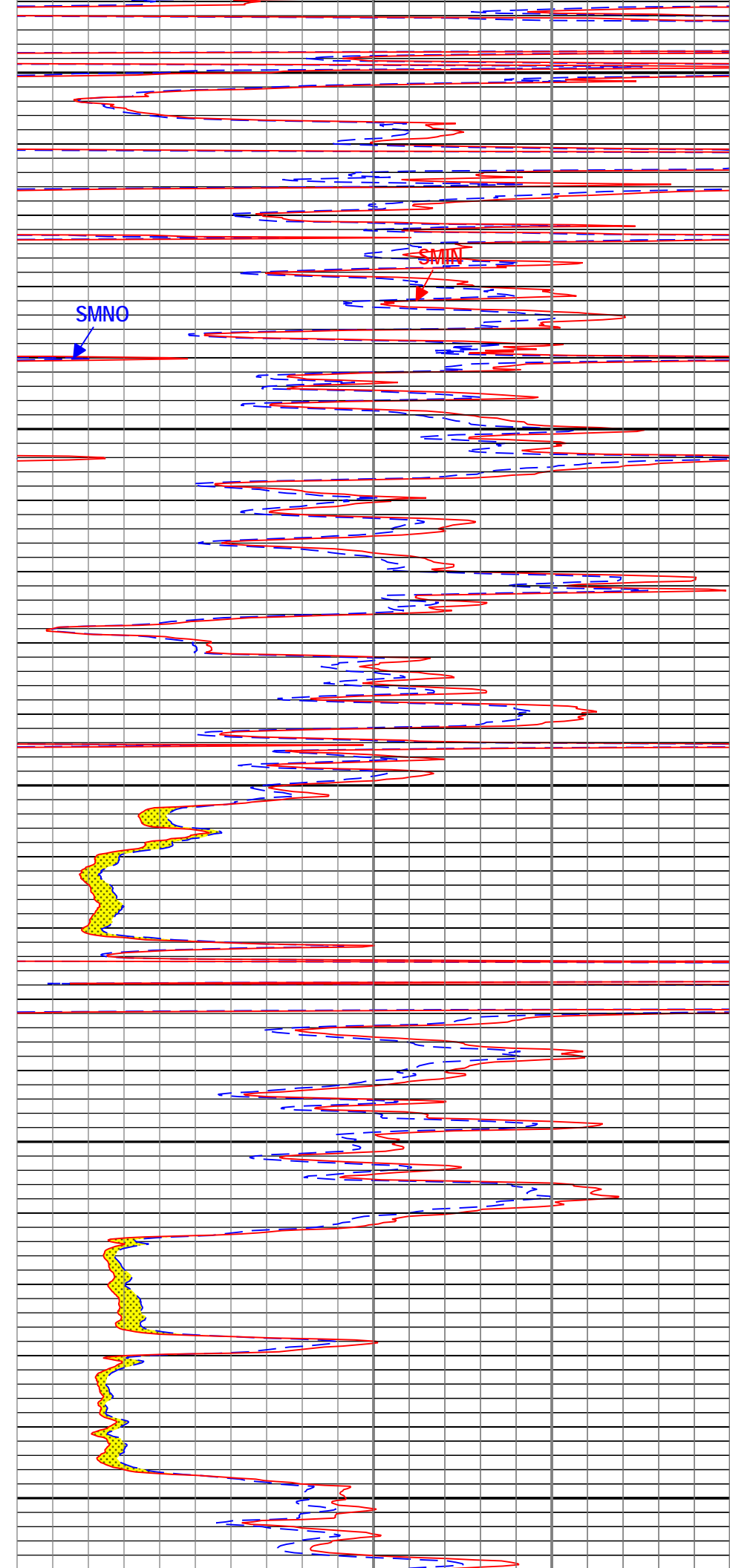
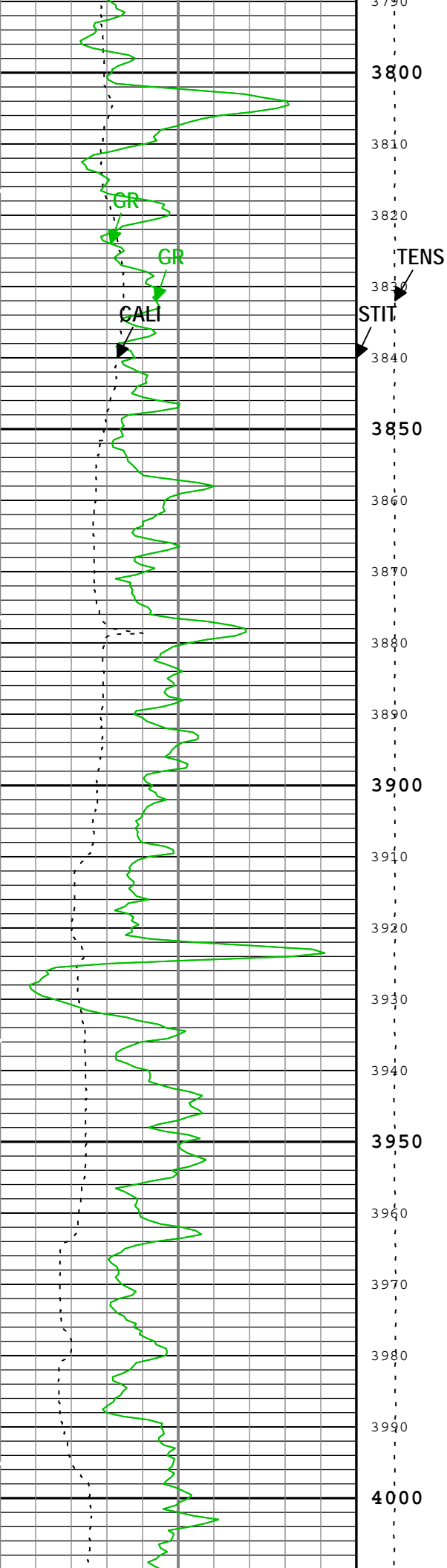


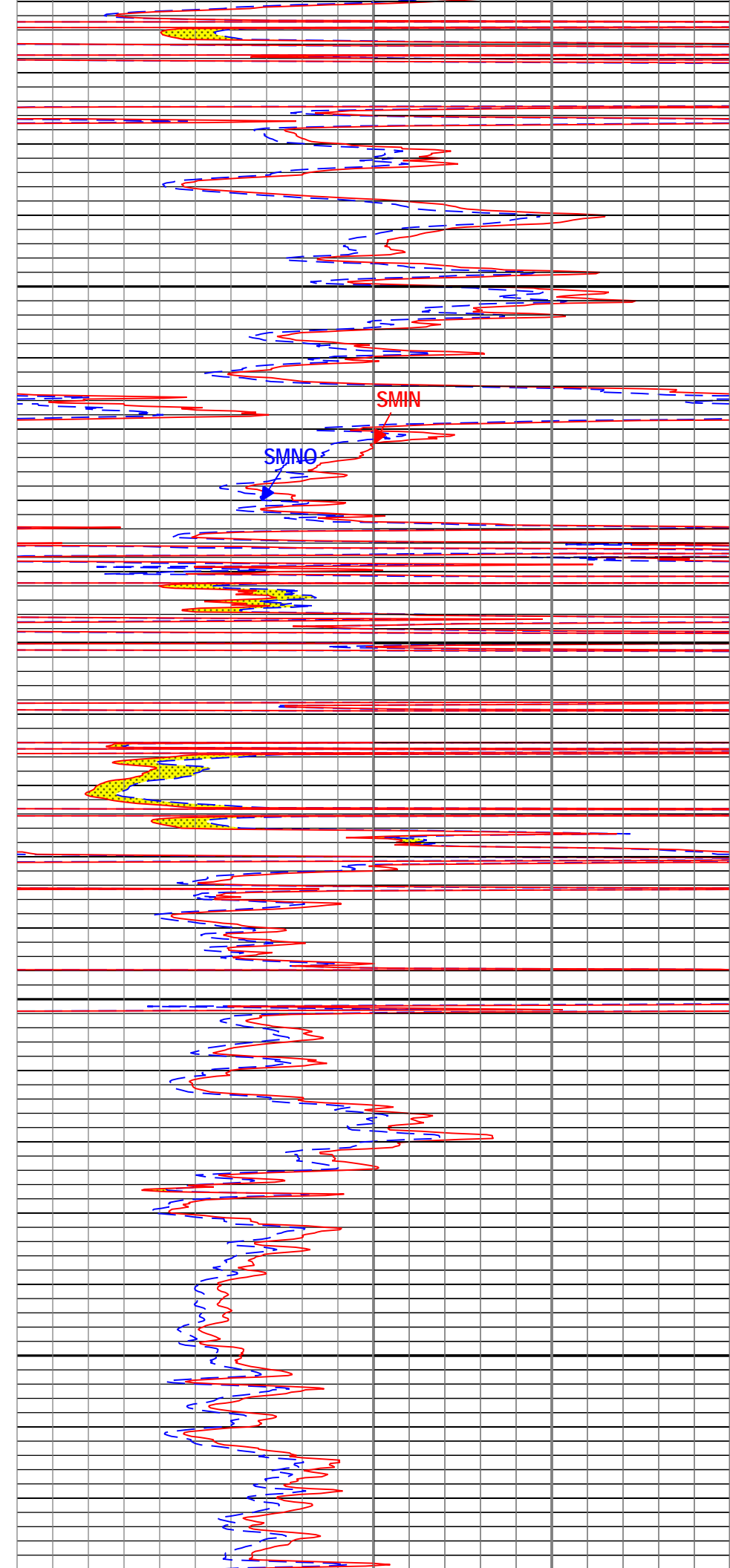
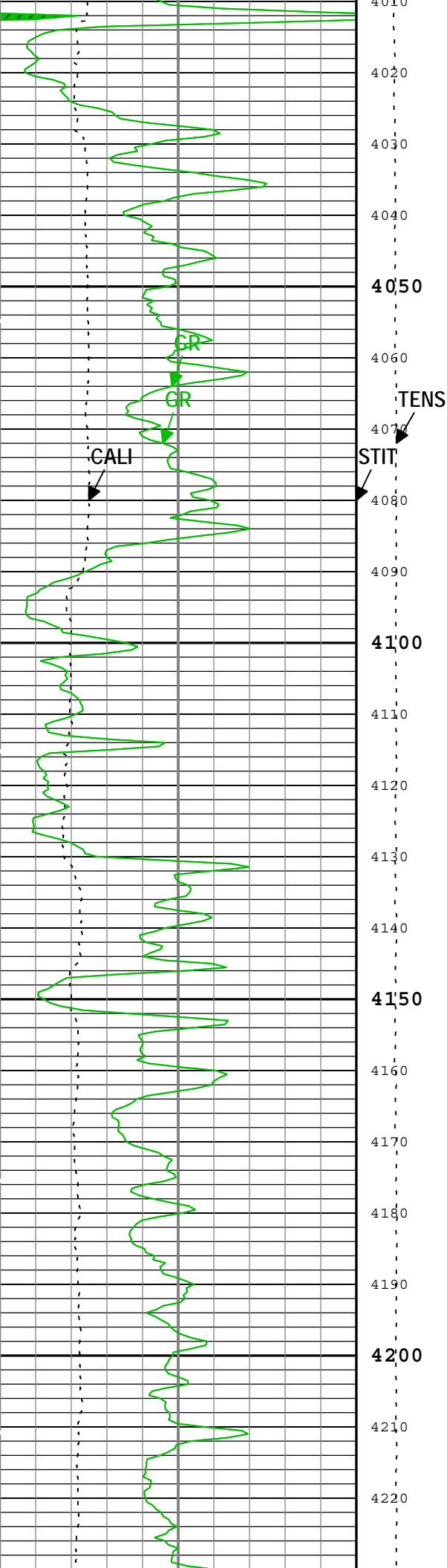


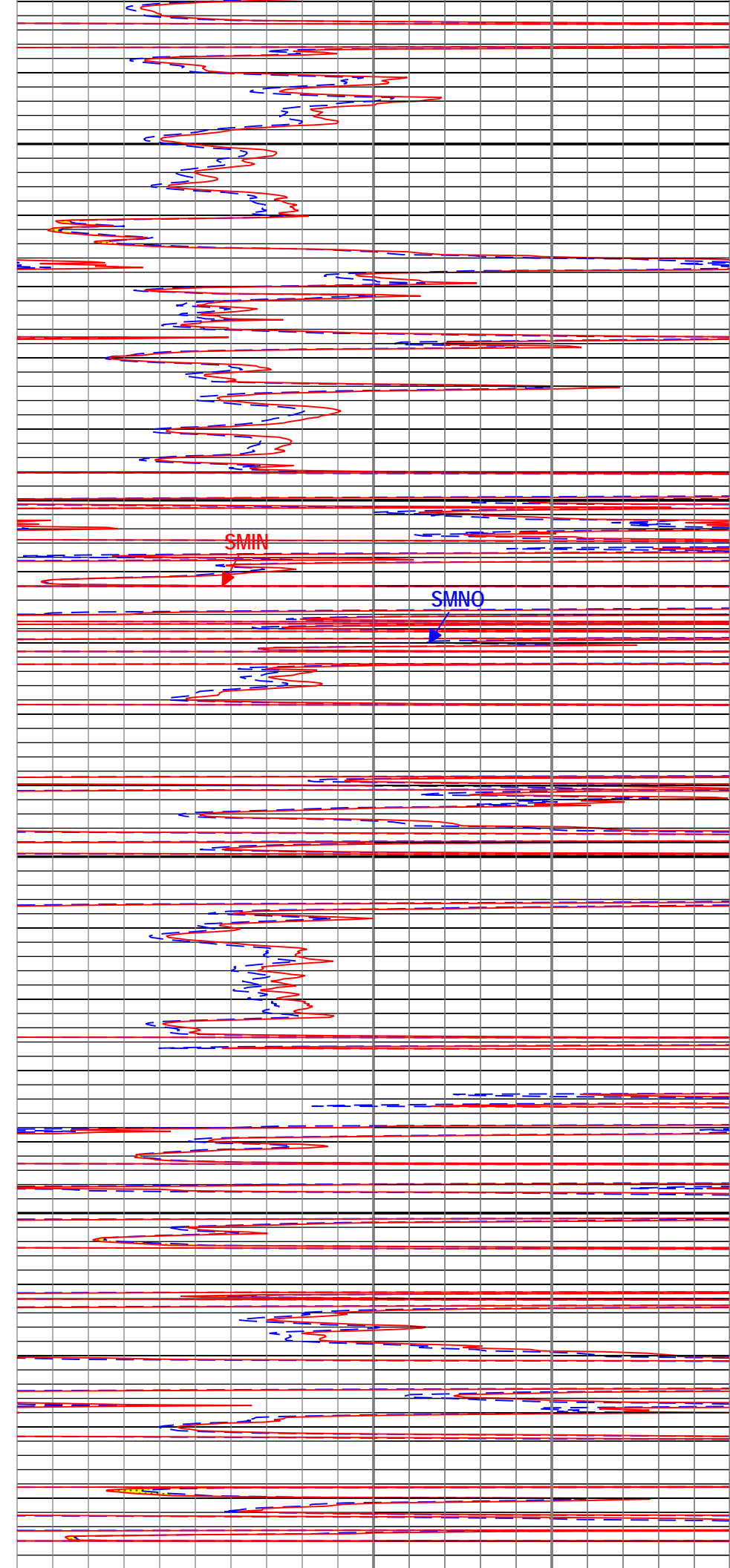
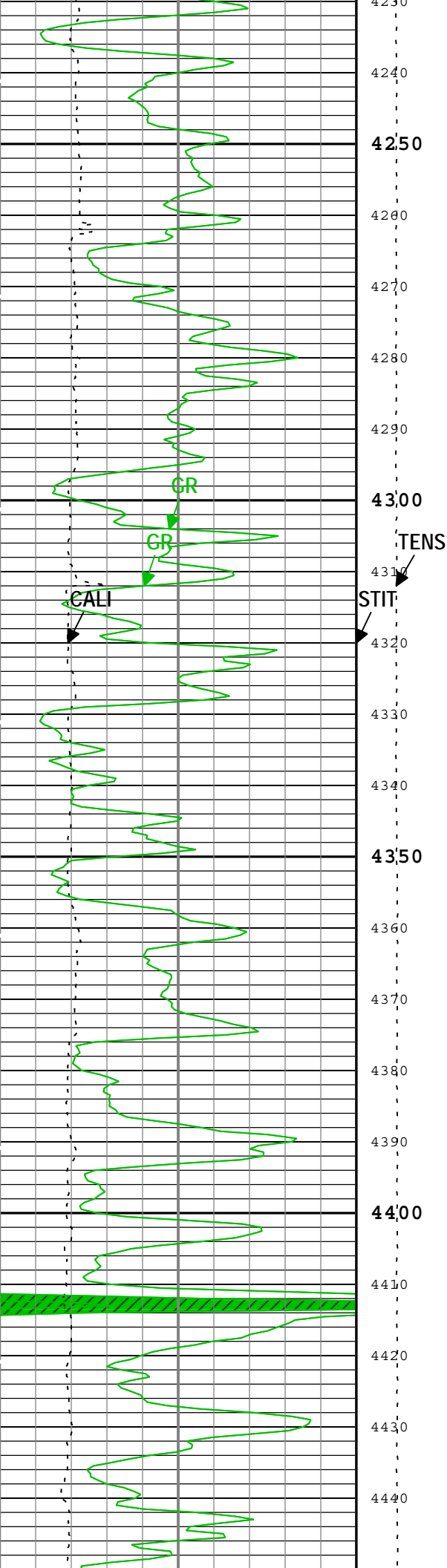


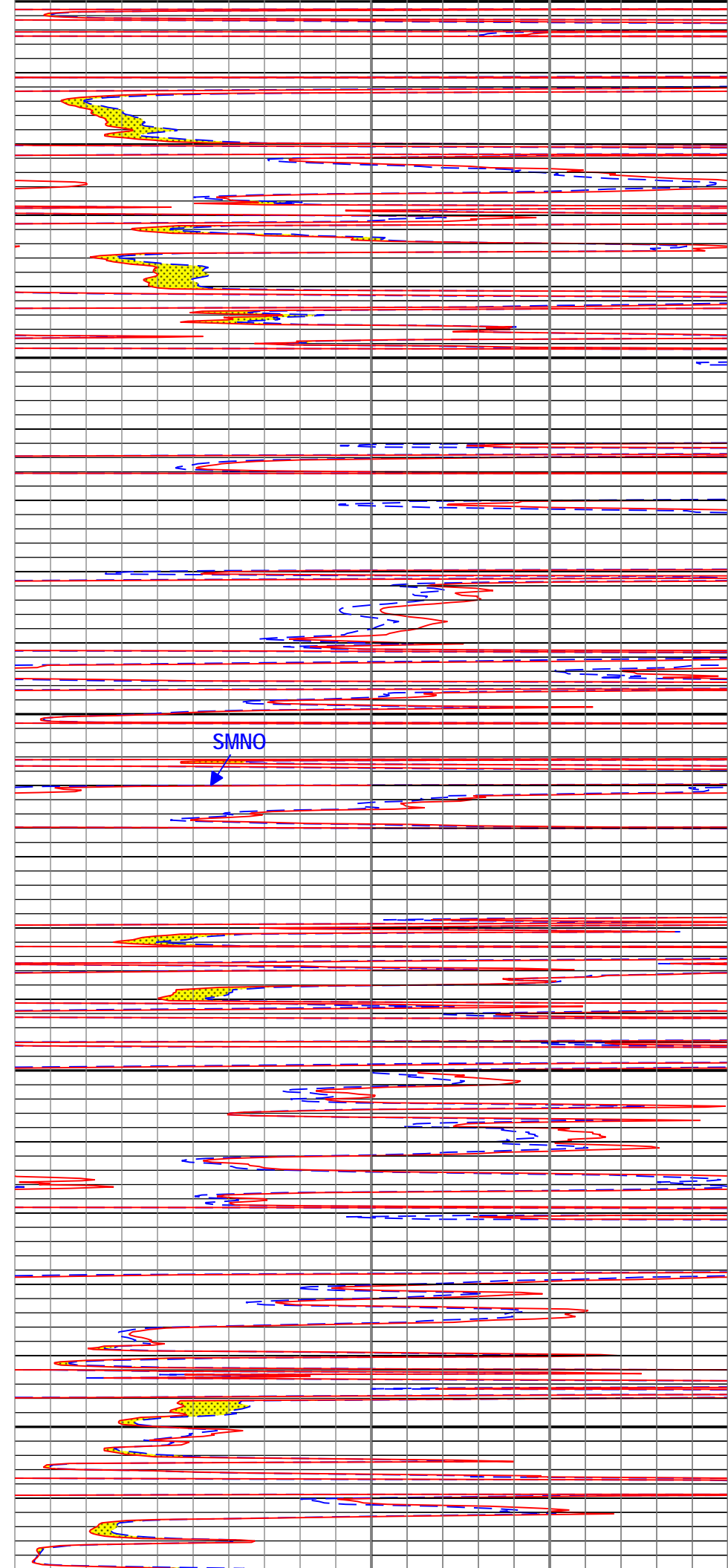
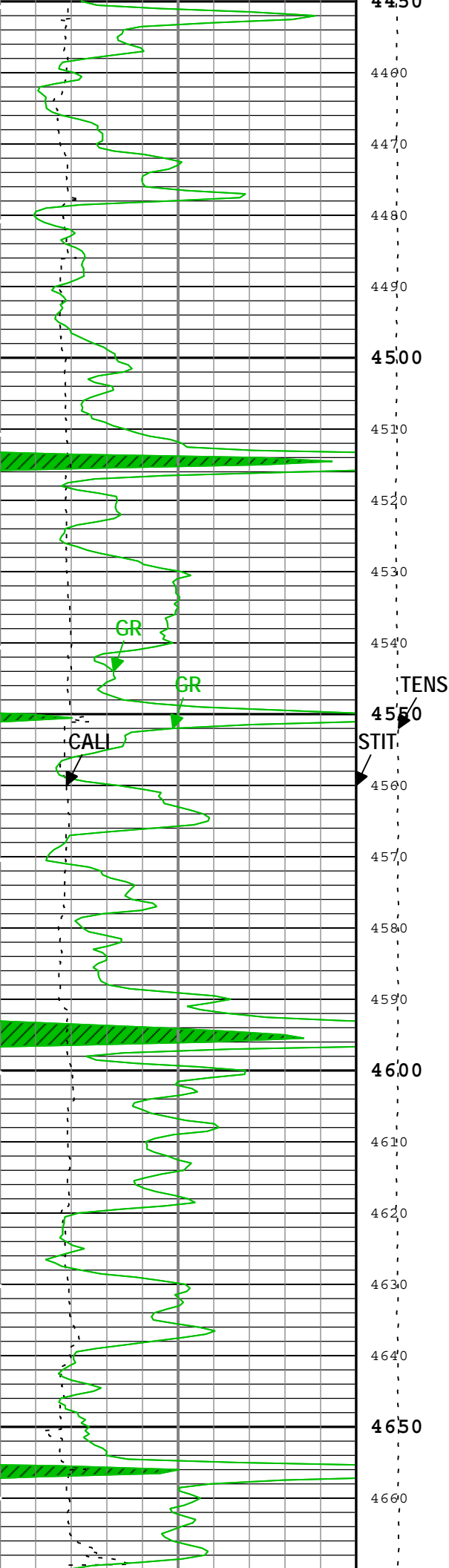


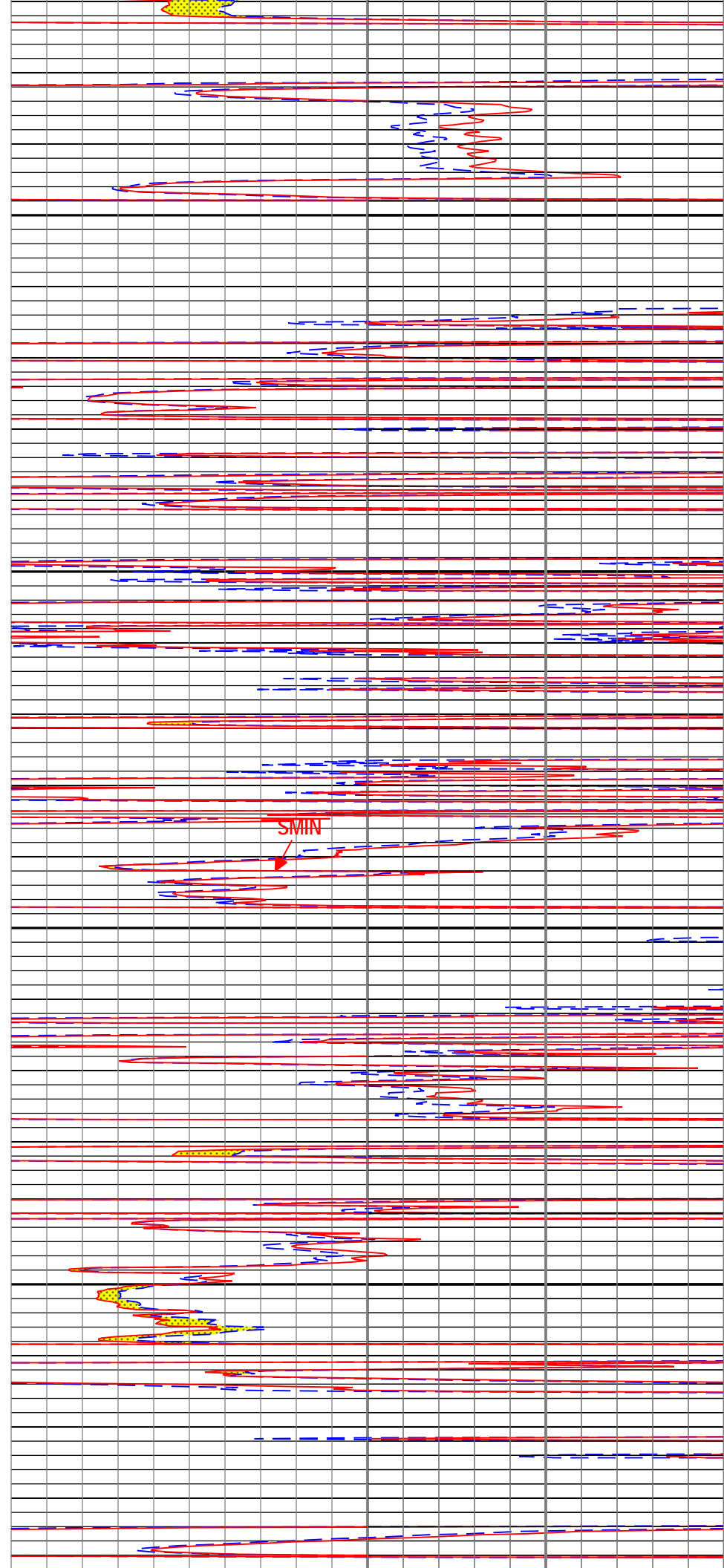
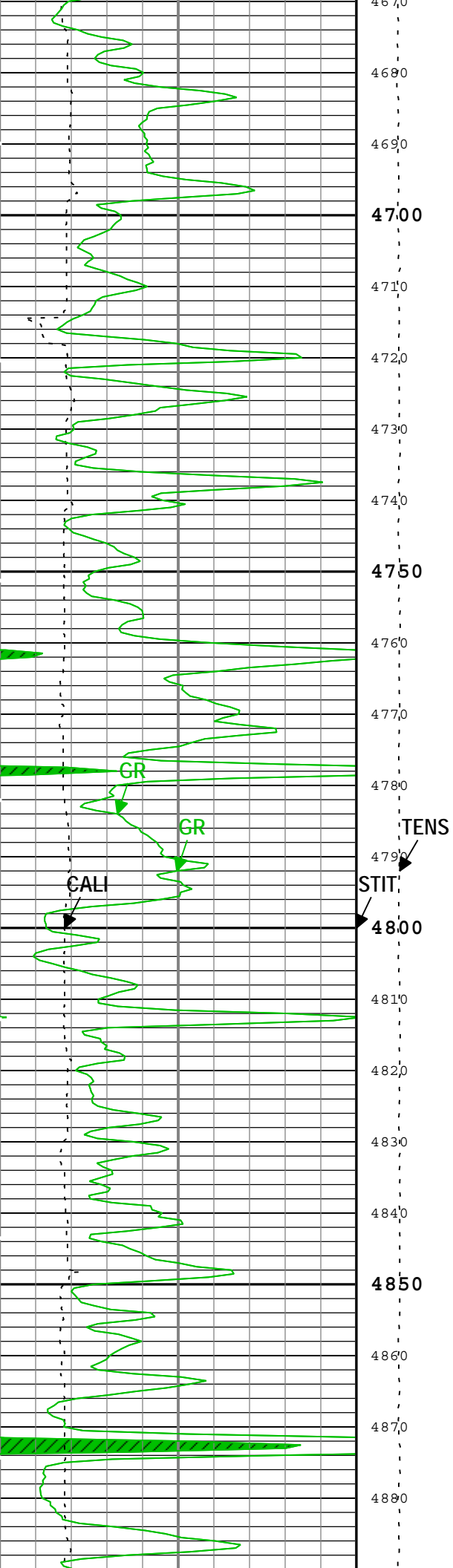


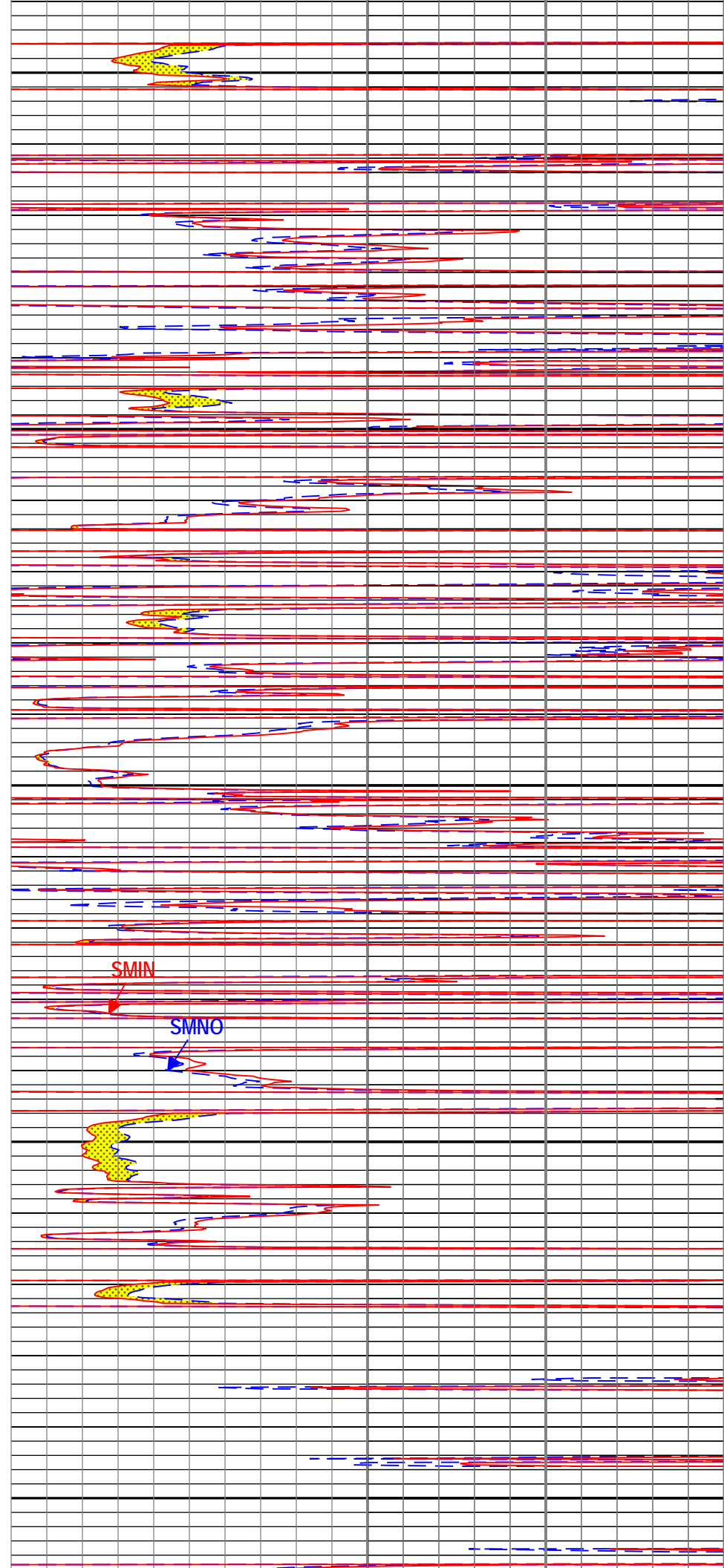
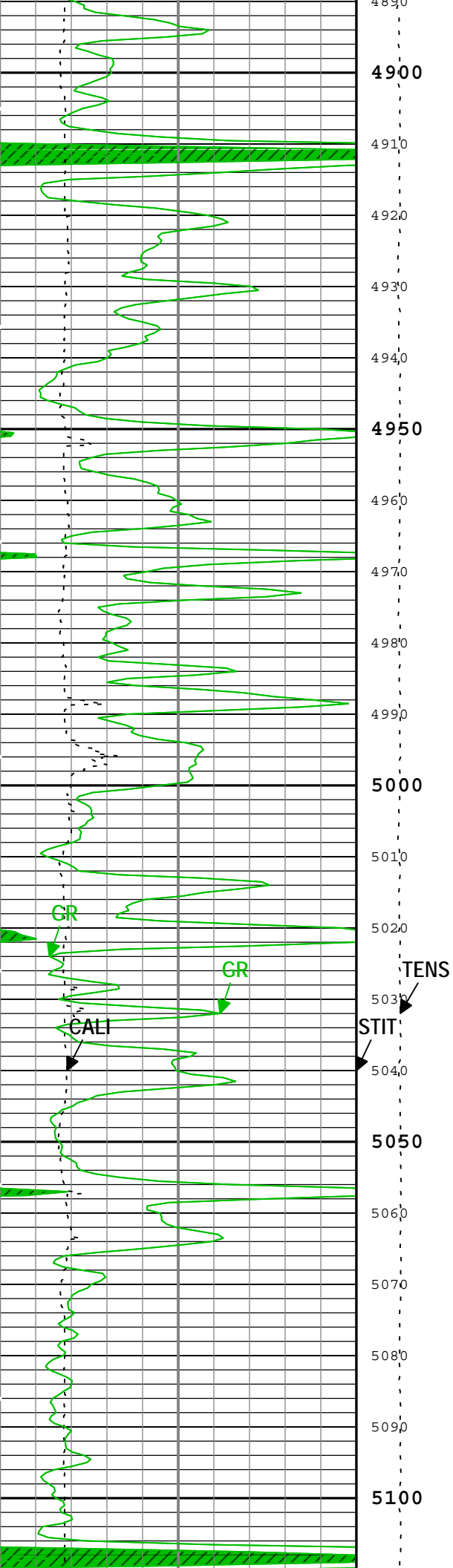


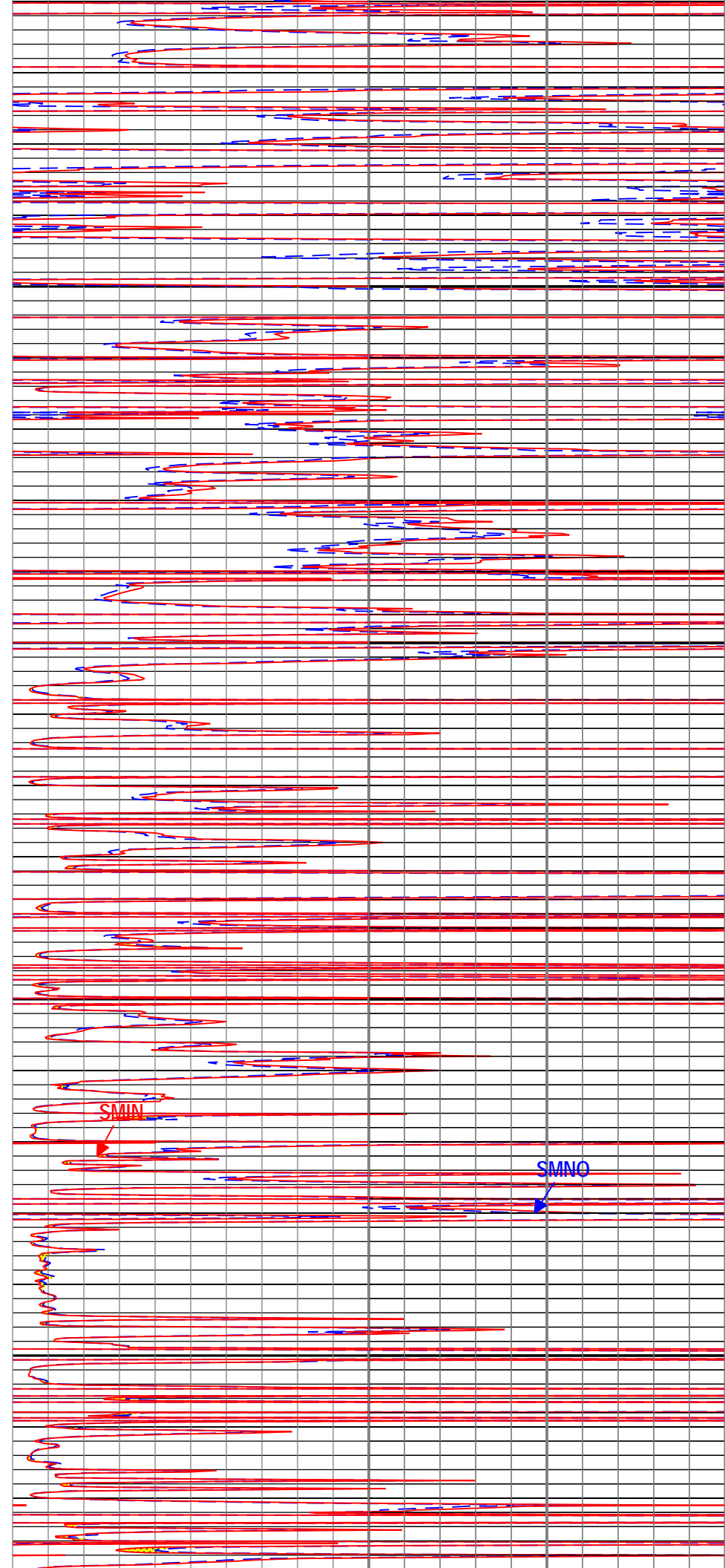
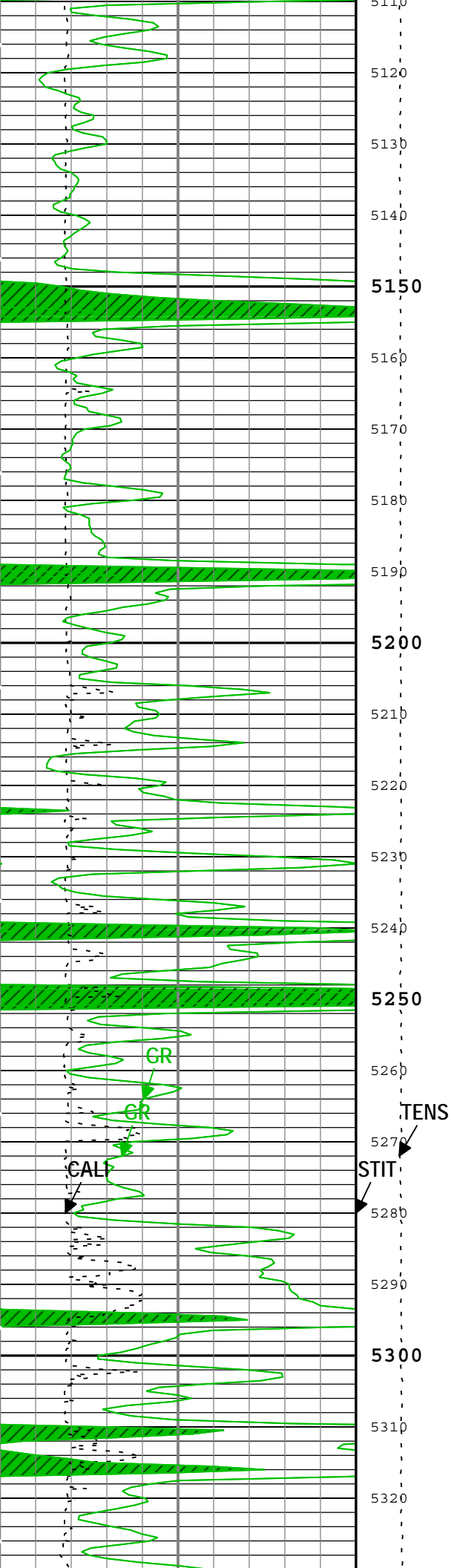


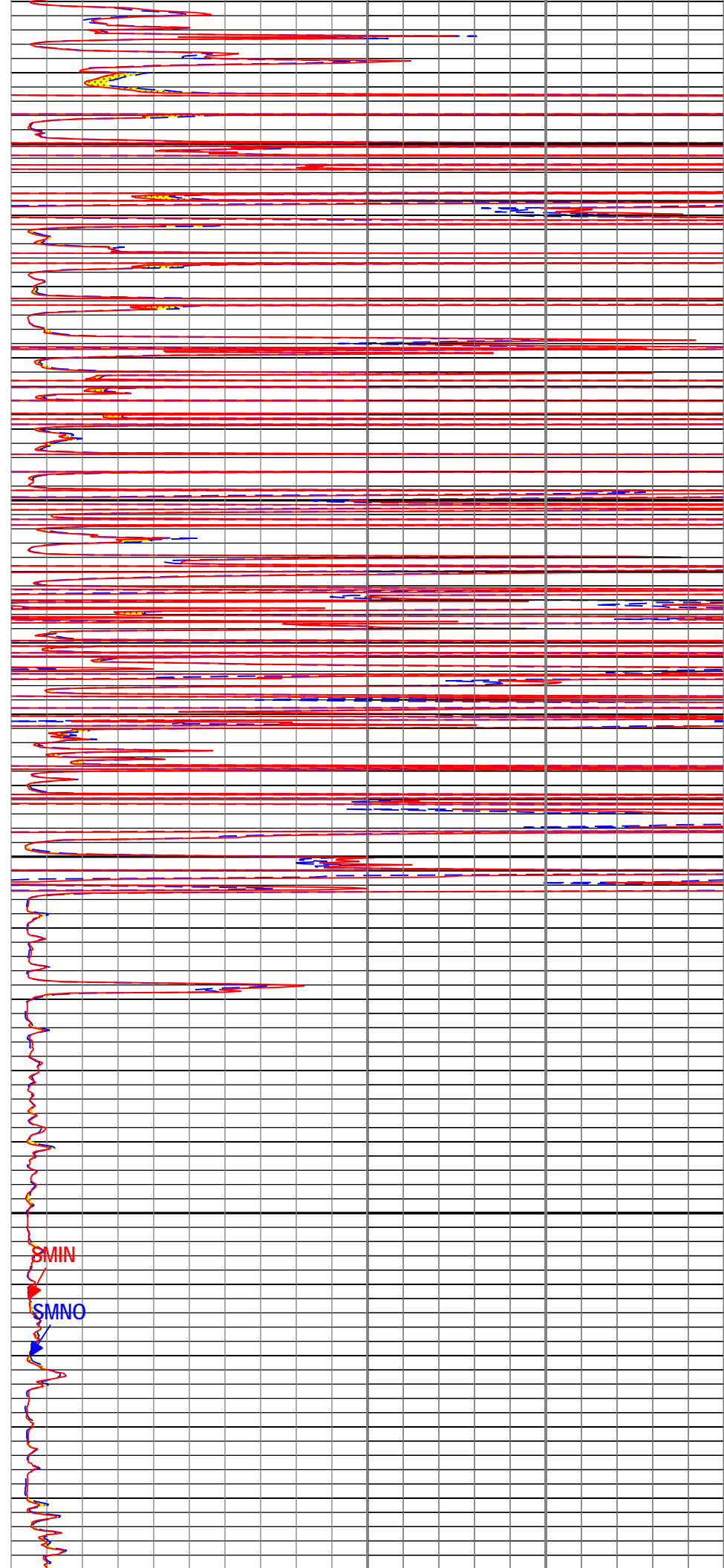
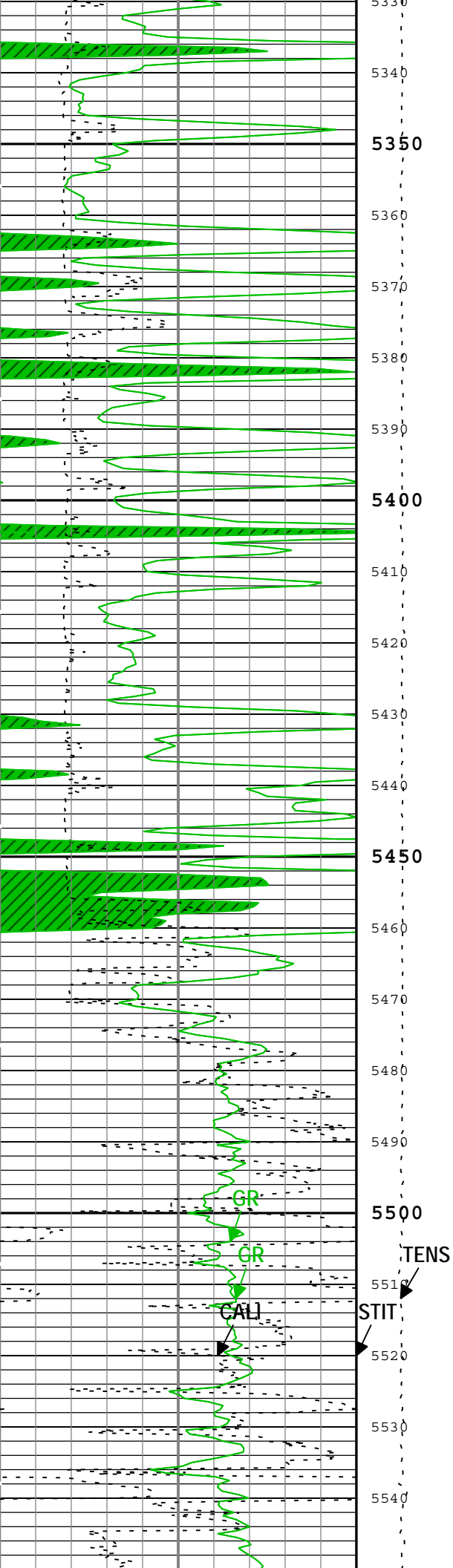


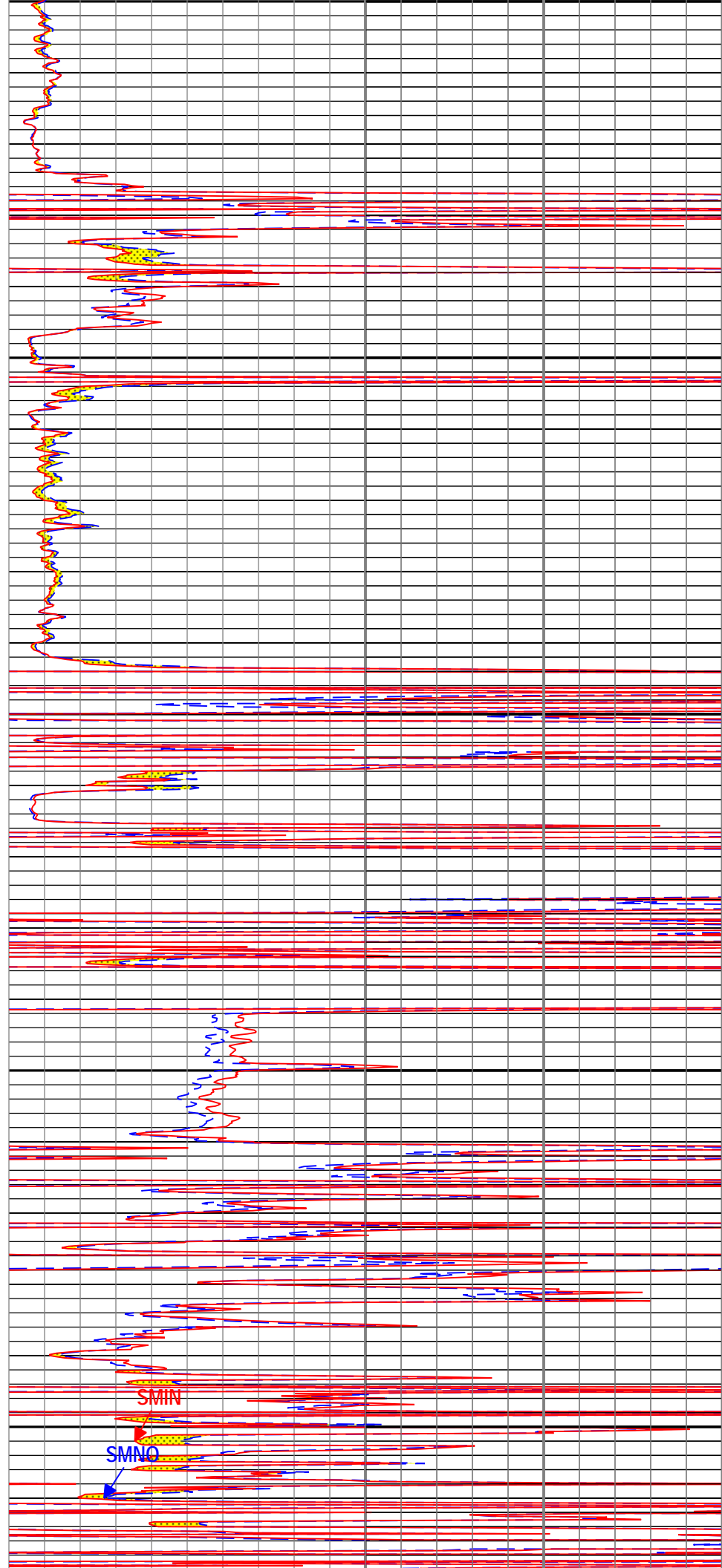
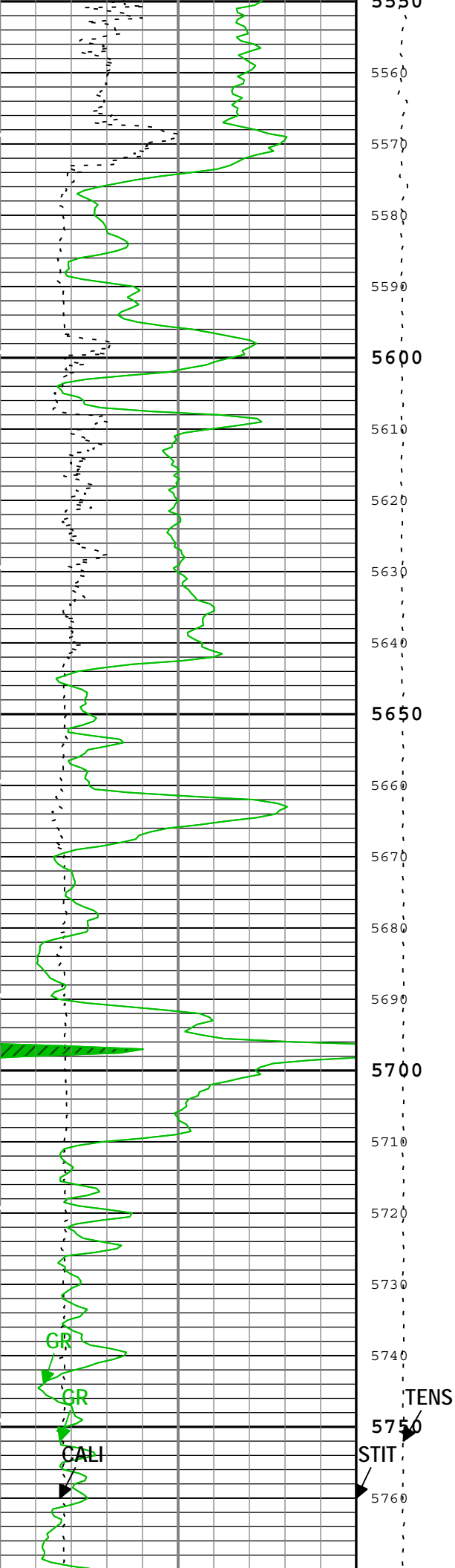


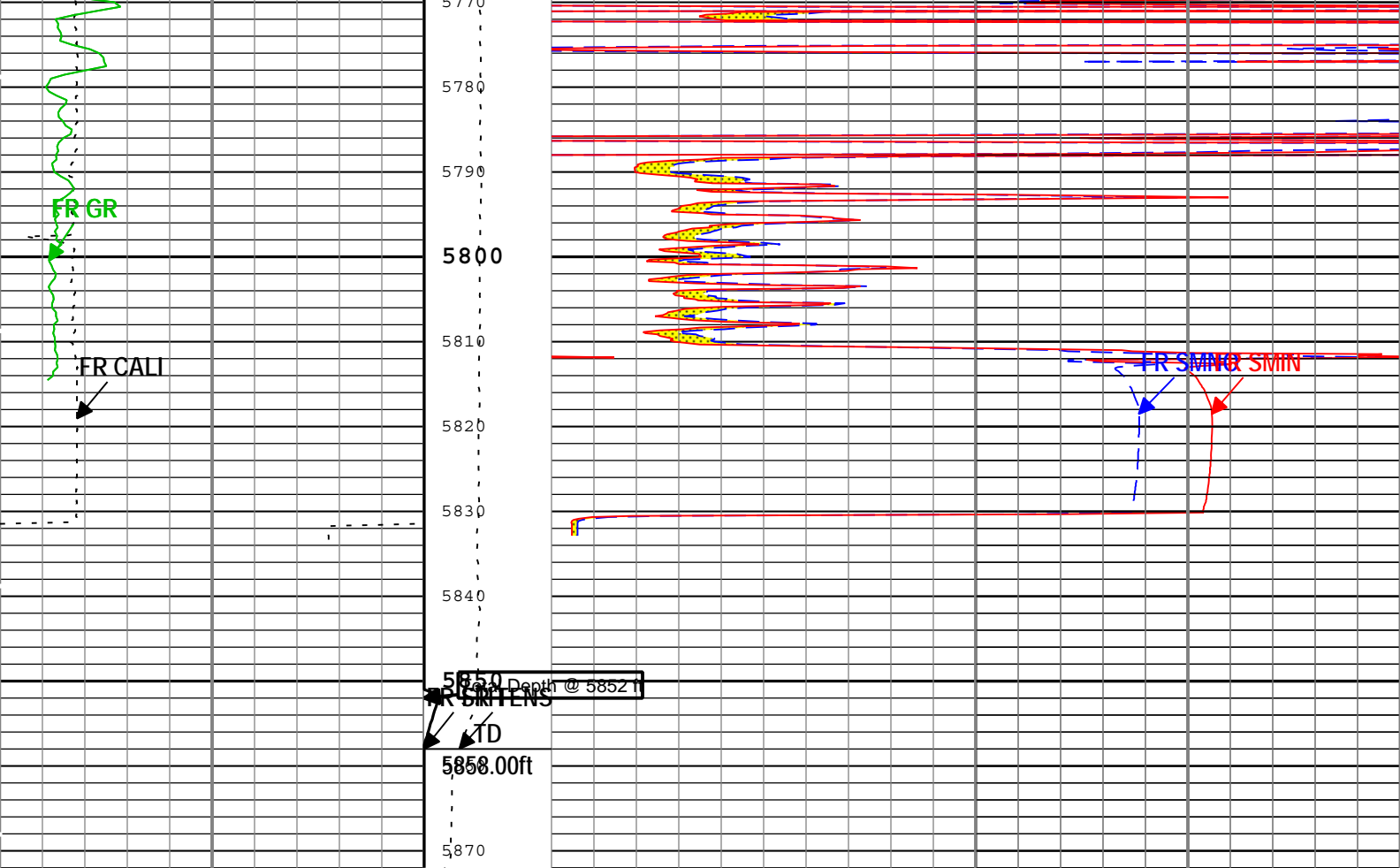












GR Backup			Stuck Tool Indicator, Total (STIT)		PERM	
Caliper (CALI) HDRS-B			0 ft 50		Synthetic Micro-Normal Resistivity (SMNO) HDRS-B	
6	in	16			ohm.m	
Gamma Ray (GR) HGNS-B			Cable Tension (TENS)		Synthetic Micro-Inverse Resistivity (SMIN) HDRS-B	
0	gAPI	200			ohm.m	
Gamma Ray (GR) HGNS-B			0 lbf 6000			
200	gAPI	400				

TIME_1900 - Time Marked every 60.00 (s)

Description: MCFL processing for Platform Express Format: Log (EMD 5in Micro Log) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 20-Oct-2012 22:09:49

Channel Processing 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	0.177	in
CBLO	Casing Bottom (Logger)	WLSESSION	427	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
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	
SOCO	Standoff Correction Option	HGNS-B	Yes	
TD	Total Measured Depth	Borehole	5858	ft

Depth Zone Parameters

Parameter	Value	Start (ft)	Stop (ft)
BS	0	400	427
BS	7.875	427	5872.5

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	

Company:

Vecta Oil & Gas Ltd

Well:

Snowmass 44-32

Field:

Wildcat

County:

Cheyenne

State:

Colorado



Platform Express
Triple Combo
Microlog