

Company: Vecta Oil & Gas LTD

Well: Snowmass 32-32

Field: Wildcat

County: Cheyenne State: Colorado

Platform Express		MicroLog	
SHL: 2566' FNL x 2404' FEL		Elev.: K.B. 4539.50 ft G.L. 4523.00 ft D.F. 4538.50 ft	
Location:		Ground Level	
Permanent Datum:		Elev.: 4523.00 f	
Log Measured From:		Kelly Bushing	
Drilling Measured From:		Kelly Bushing	
API Serial No.		Section: 32	Range: 47W
05-017-0771-0000		Township: 12S	
Logging Date		04-Oct-2013	
Run Number		1	
Depth Driller		5761.00 ft	
Schlumberger Depth		5762.00 ft	
Bottom Log Interval		5762.00 ft	
Top Log Interval		433.00 ft	
Casing Driller Size @ Depth		8.625 in @ 438.00 ft	
Casing Schlumberger		433 ft	
Bit Size		7.875 in	
Type Fluid In Hole		Water	
MUD	Density	9.2 lbm/gal	67 s
	Fluid Loss	5.6 cm3	10
Source of Sample		Active Tank	
RM @ Meas Temp		1.32 ohm.m @ 70 degF	
RMF @ Meas Temp		0.9 ohm.m @ 70 degF	
RMC @ Meas Temp		1.8 ohm.m @ 70 degF	
Source RMF		Calculated	Calculated
RM @ BHT		0.46 @ 212	0.32 @ 212
Max Recorded Temperatures		160 degF	
Circulation Stopped		03-Oct-2013 21:45:00	
Logger on Bottom		04-Oct-2013 03:15:38	
Unit Number		9108	
Recorded By		Danijl Kholin	
Witnessed By		Matt Goobsby	

Disclaimer

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Well Sketch

Driller Depth

0.00 ft

438.00 ft


Casing 8.625in
24lbm/ft

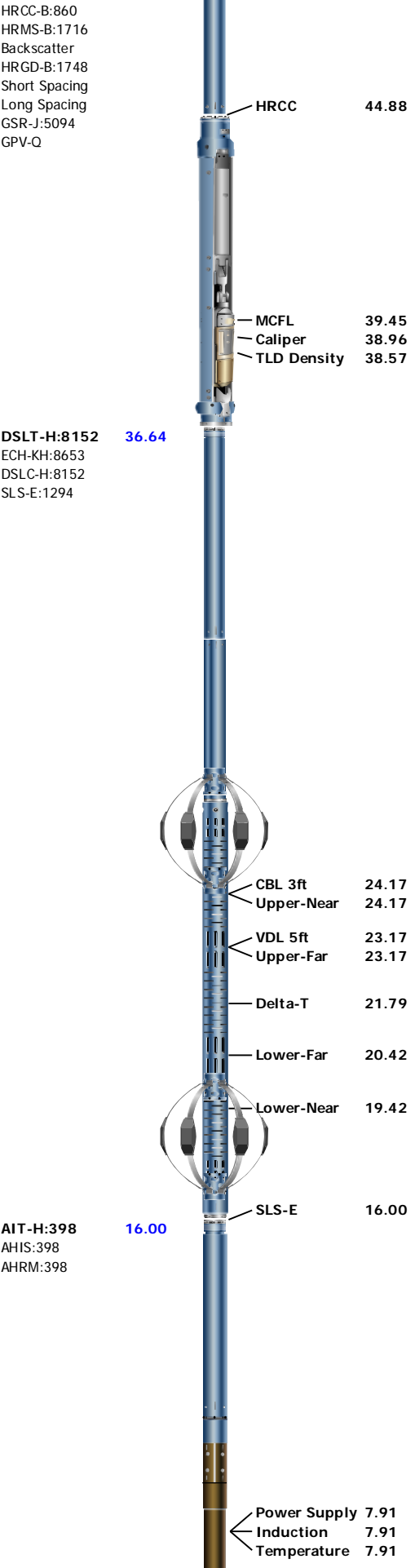


Borehole Size/Casing/Tubing Record

Bit						
Bit Size (in)	7.875					
Top Driller (ft)	0					
Top Logger (ft)	0					
Bottom Driller (ft)	5761					
Bottom Logger (ft)	5762					
Casing						
Size (in)	8.625					
Weight (lbm/ft)	24					
Inner Diameter (in)	8.097					
Grade	N/A					
Top Driller (ft)	0					
Top Logger (ft)	0					
Bottom Driller (ft)	438					
Bottom Logger (ft)	433					

Remarks and Equipment Summary

1: Toolstring				1: Remarks
Equip name LEH-QT:2429 LEH-QT:2429	Length 64.21		MP name Offset	Toolstring run as per toolsketch
				Matrix: Limestone 2.71 g/cc
				Crew: Aaron Weber, Gary Lapp
DTC-H:8485 ECH-KC:9562 DTC-H:8485	61.29		CTEM HV	60.39 0.00
			ToolStatus TelStatus Temperature	58.29 58.29 58.26
HGNS-B:863 HGNH:2883 NPV-N NSR-F:5069 HMCA-B HACCZ-B:452 HGNS-B:863	58.29		GR	57.55
			CNL Porosity	51.21
			HGNS HMCA Acceleromete r	48.88 48.88 0.00
HDERS-B:1716 ECH-MEB:1866	48.88			



 <div> <div>SP</div> <div>Mud Resistivity</div> <div>Head Tension</div> <div>TOOL_ZERO</div> </div> <div> <div>0.08</div> <div>0.00</div> </div> <p>Lengths are in ft</p> <p>Maximum Outer Diameter = 7.000 in</p> <p>Line: Sensor Location, Value: Gating Offset</p> <p>All measurements are relative to TOOL_ZERO</p>		
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Depth Summary

	1		
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Depth Measuring Device

Type	IDW-B		
Serial Number			
Calibration Date			
Calibrator Serial Number			
Calibration Cable Type			
Wheel Correction 1	0		
Wheel Correction 2	0		

Tension Device

Type	CMTD-B/A		
Serial Number	147		
Calibration Date	03-Sep-2013		
Calibrator Serial Number	100818		
Number of Calibration Points	10		
Calibration Root Mean Square Error	18		
Calibration Peak Error	31		

Logging Cable

Type	7-46A-XS		
Serial Number	U711080		
Length	24000.00 ft		
Conveyance Type	Wireline		
Rig Type	Land		

1:Depth Control Parameters

Depth Control Remarks

Log Sequence	First Log In the Well	All Schlumberger Depth Control Procedures followed
Rig Up Length At Surface		IDW used as Primary Depth Control
Rig Up Length At Bottom		Z-chart used as Secondary Depth Control
Rig Up Length Correction		
Stretch Correction	4.63 ft	
Tool Zero Check At Surface		

1

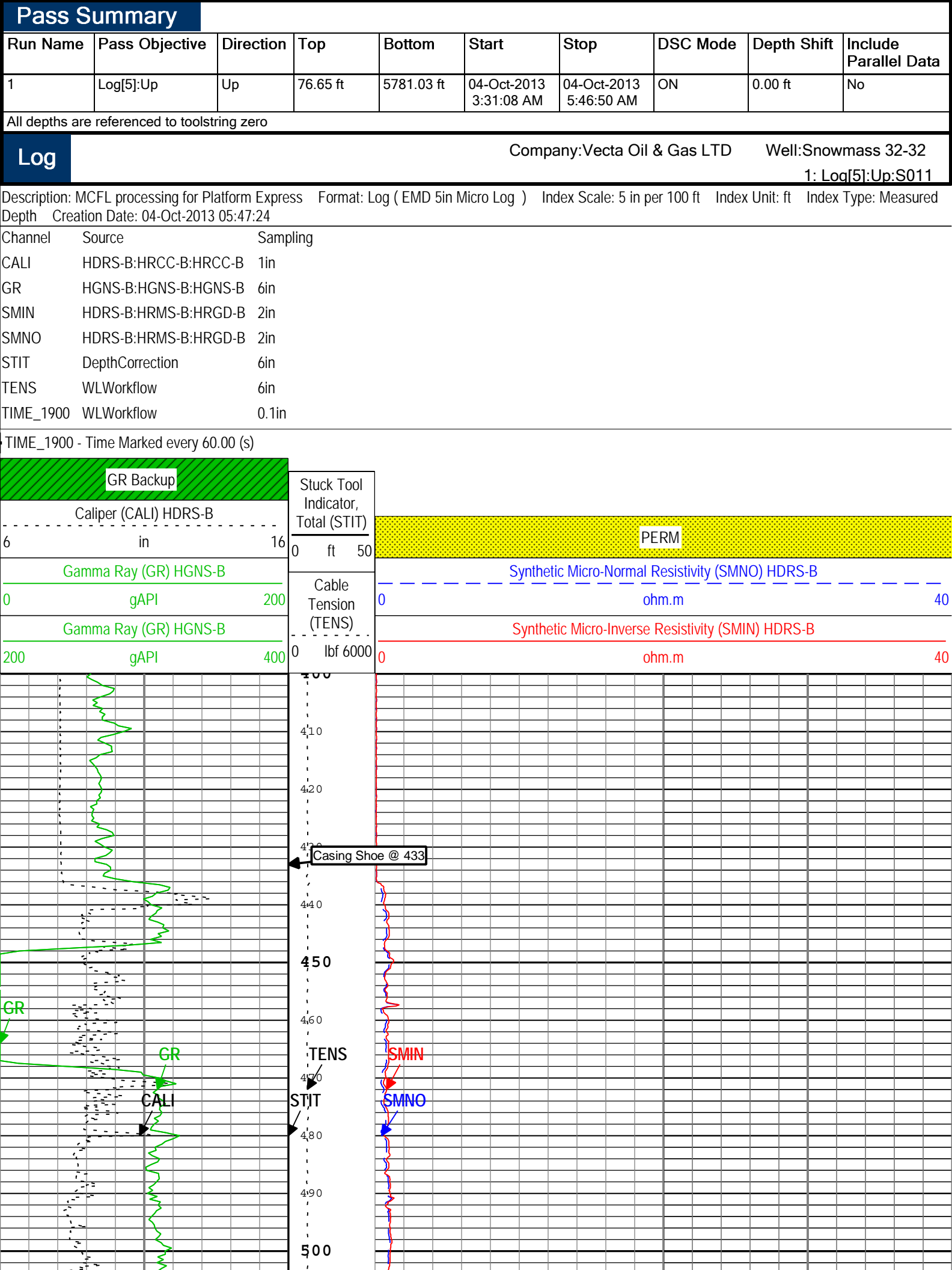
5" Micro Log

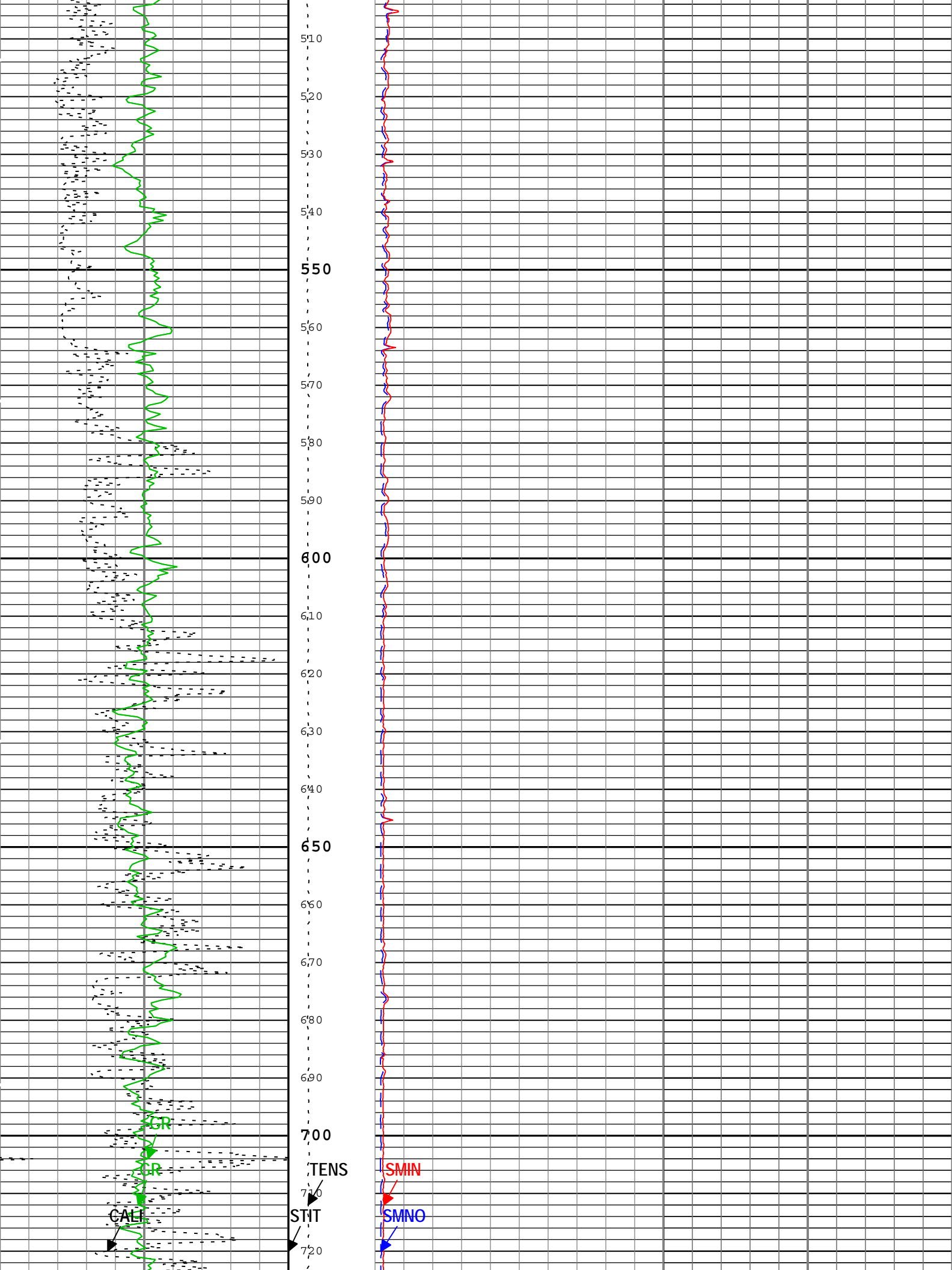
Software Version

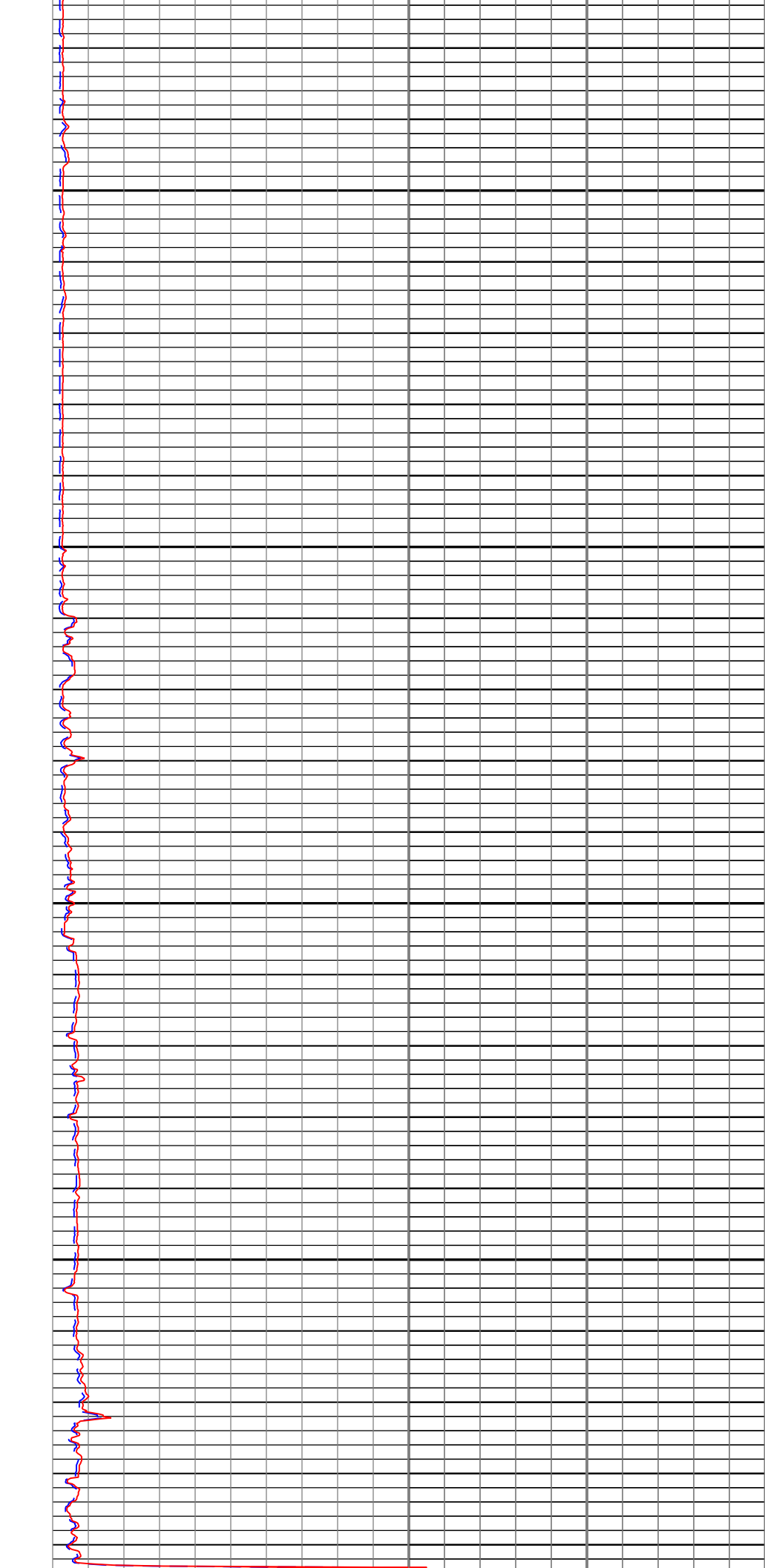
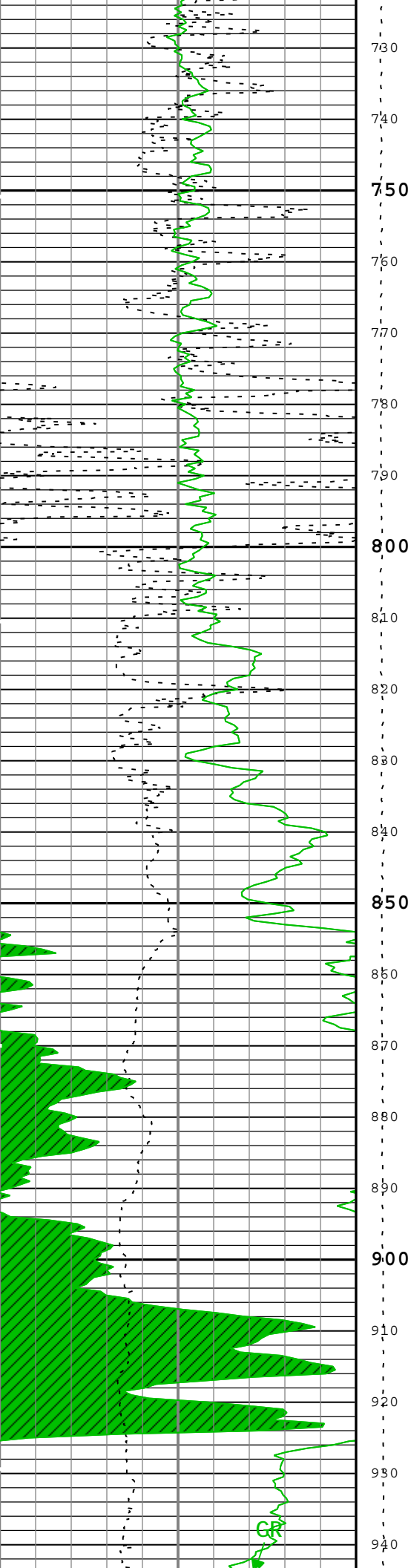
Acquisition System	Version
MaxWell	4.0.9126.3000

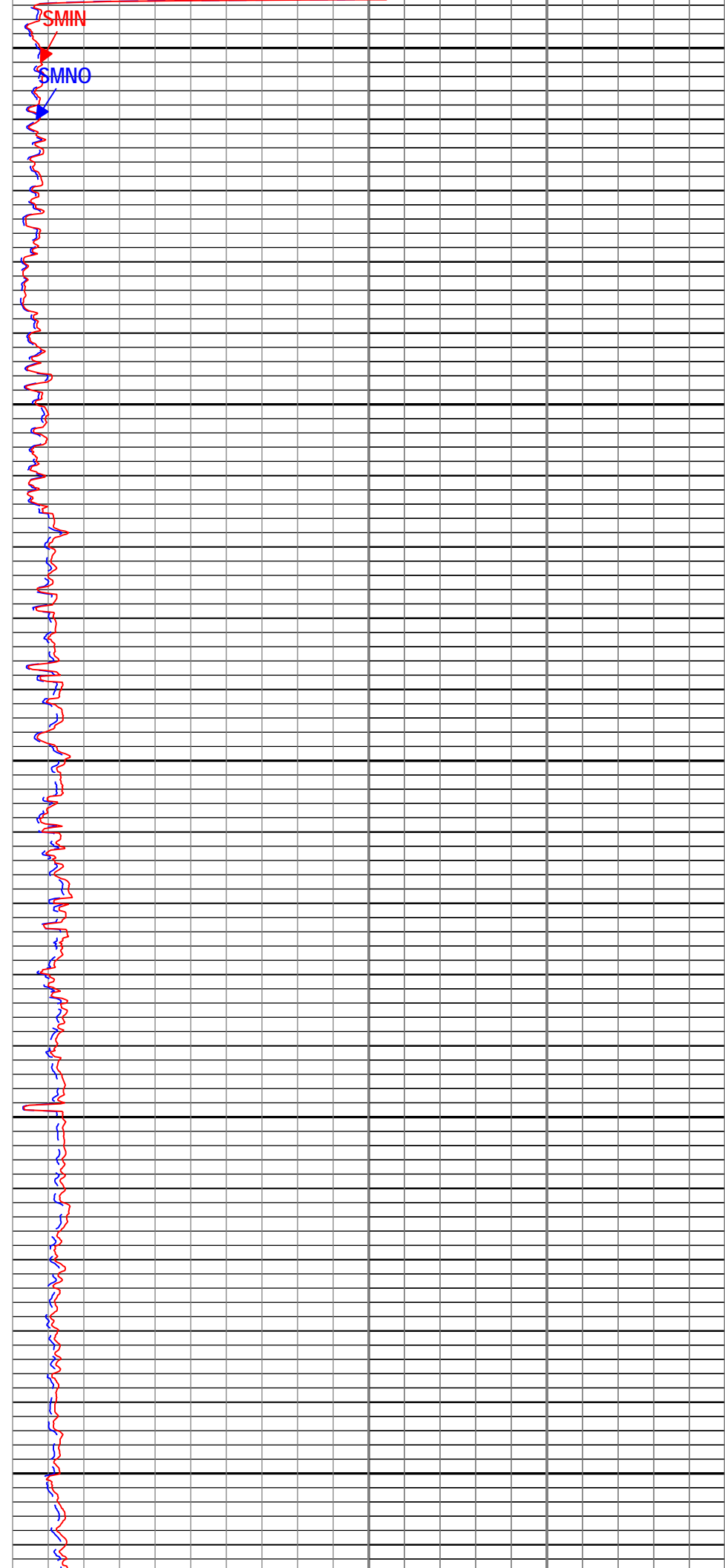
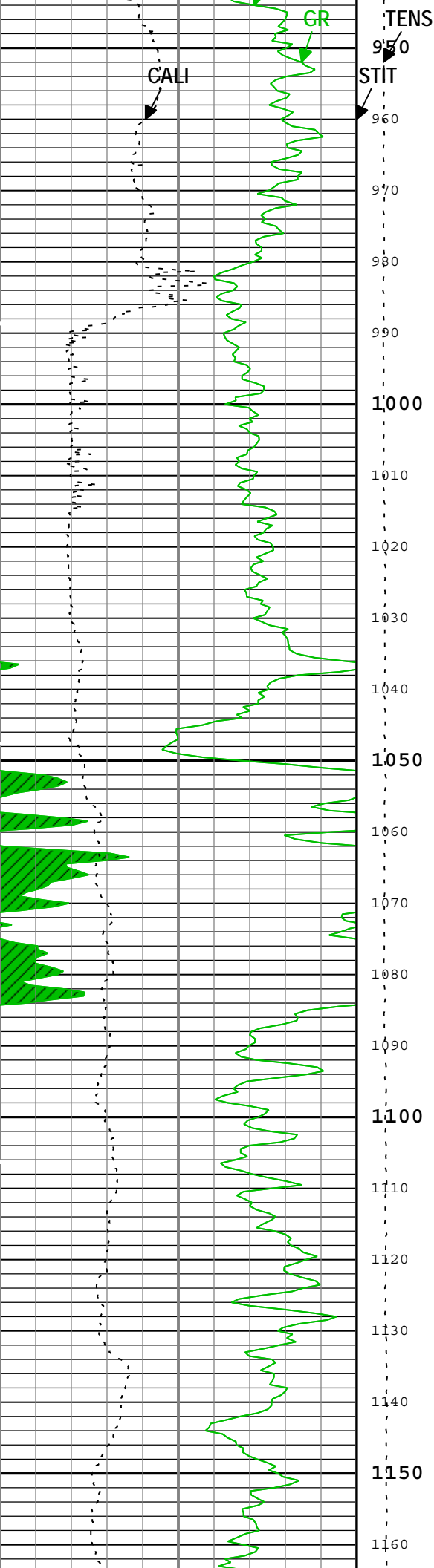
Computation	Description	Version
DepthCorrection	DepthCorrection	4.0.9125.3000

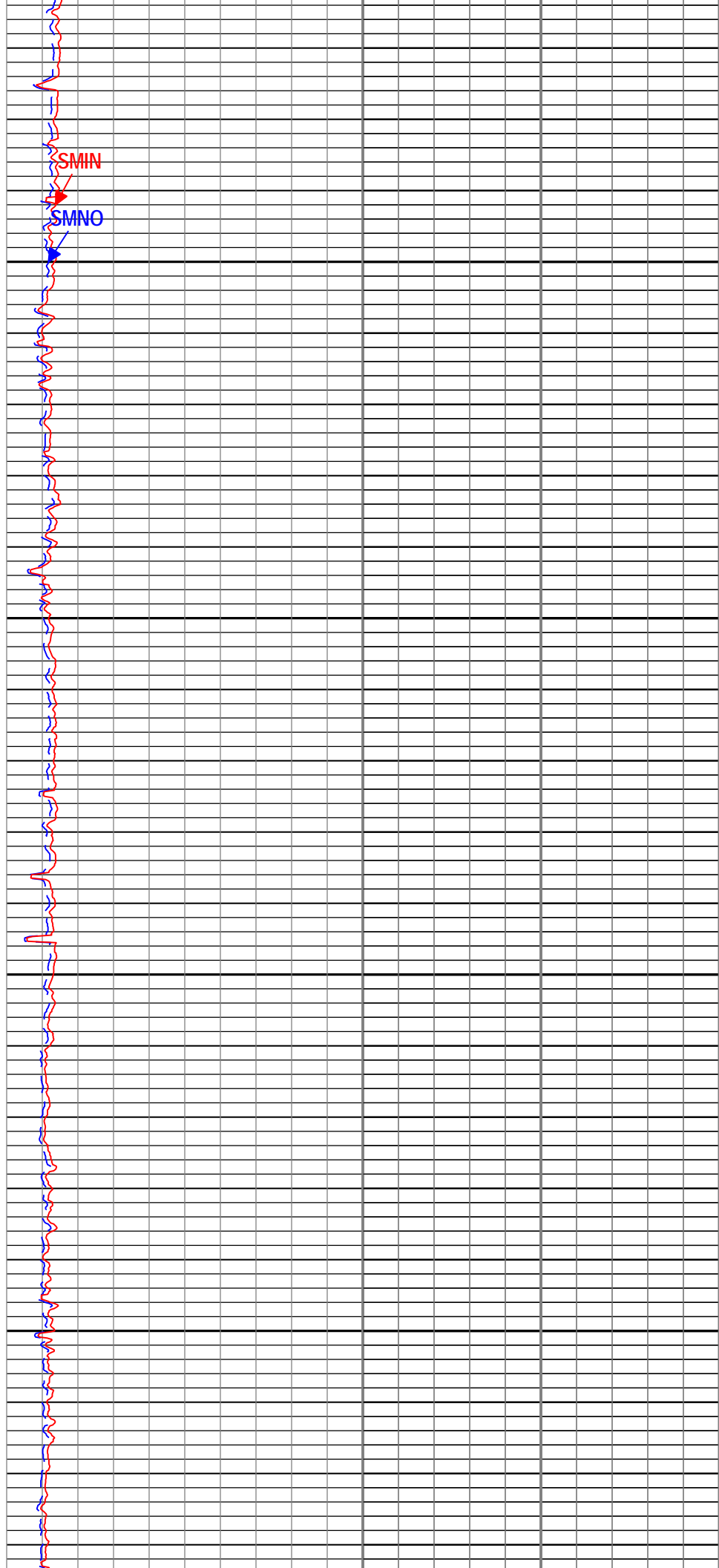
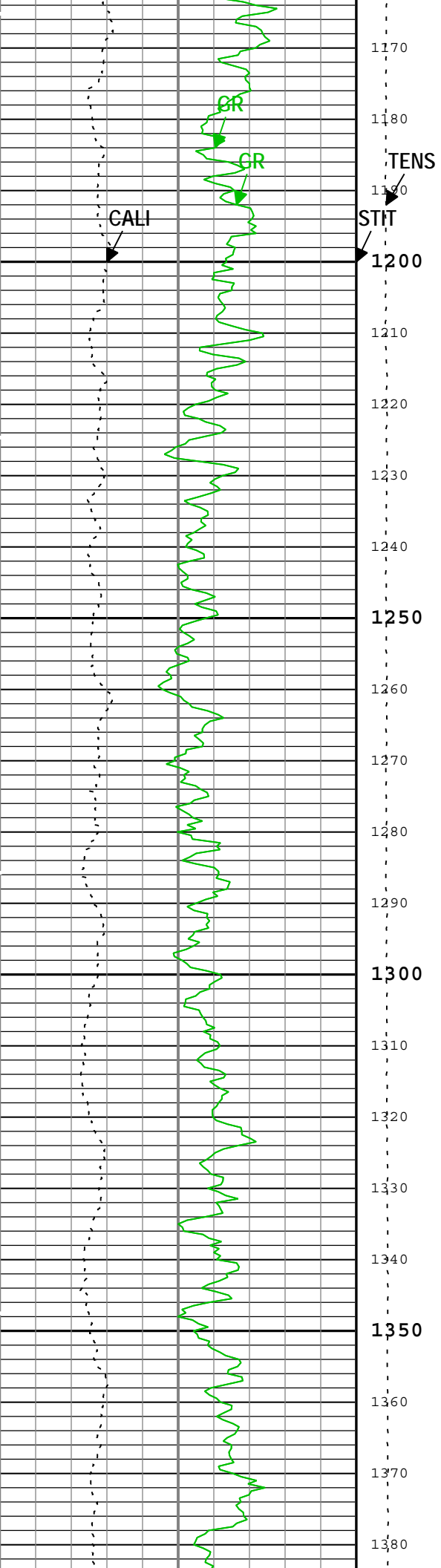
Tool Elements	Description	Software Version	Firmware Version
HRGD-B	HILT Resistivity Gamma-Ray Density Device, 125 degC	4.0.9033.3000	3.0
HGNS-B	HILT Gamma-Ray and Neutron Sonde, 125 degC	4.0.9033.3000	2.0
HRCC-B	HILT High-Resolution Control Cartridge, 125 degC	4.0.9033.3000	2.0

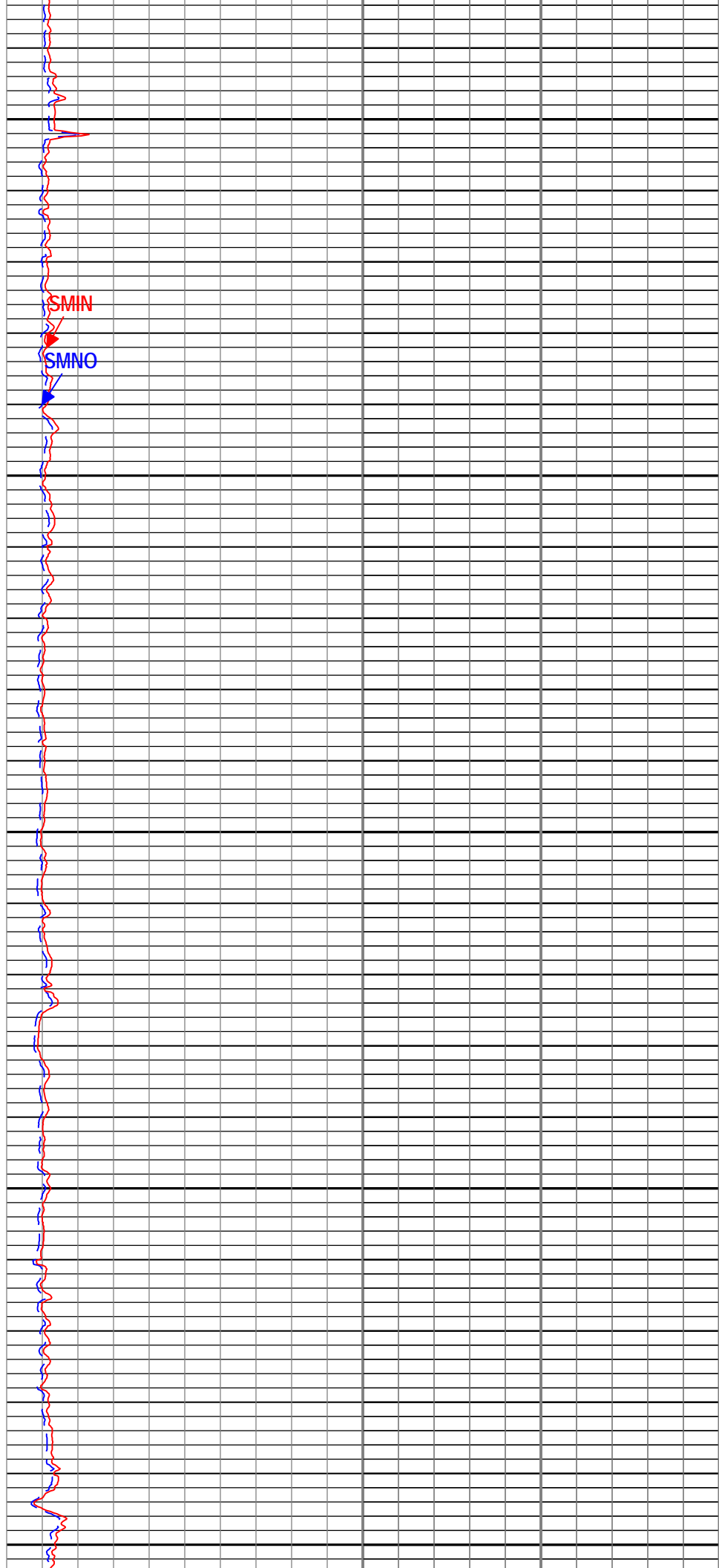
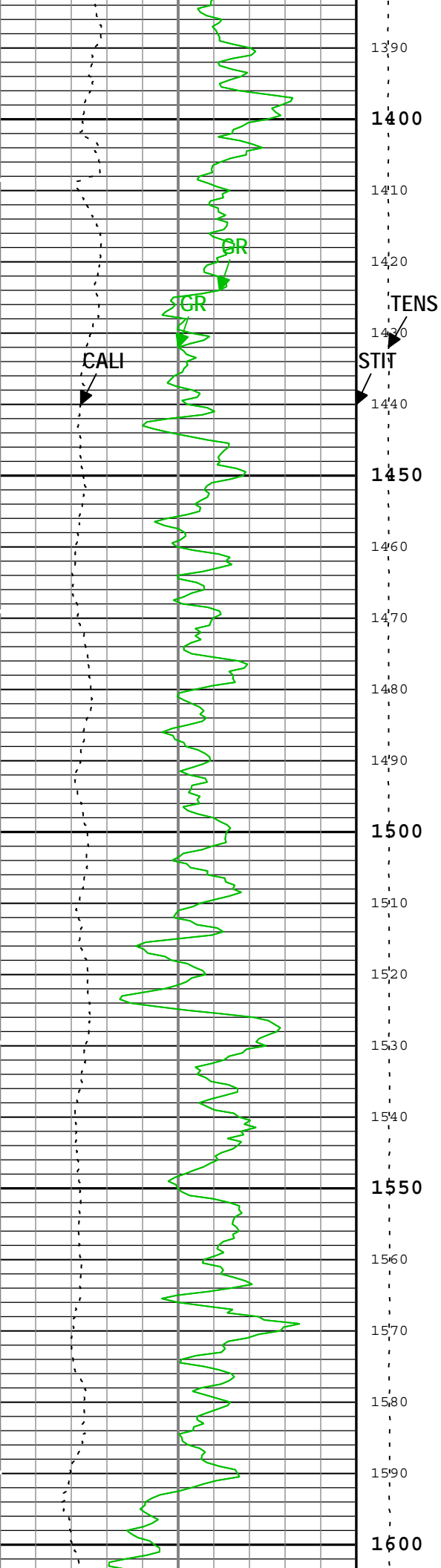


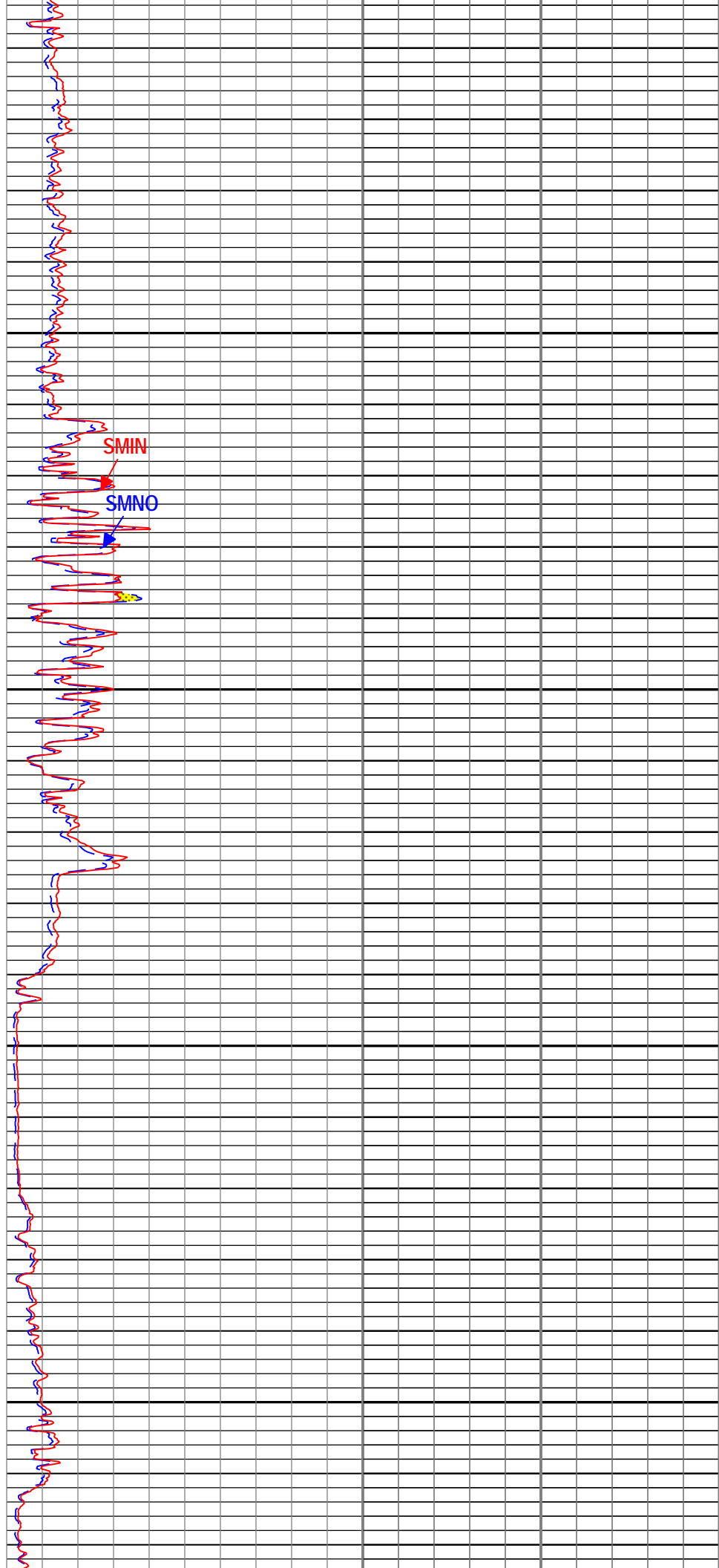
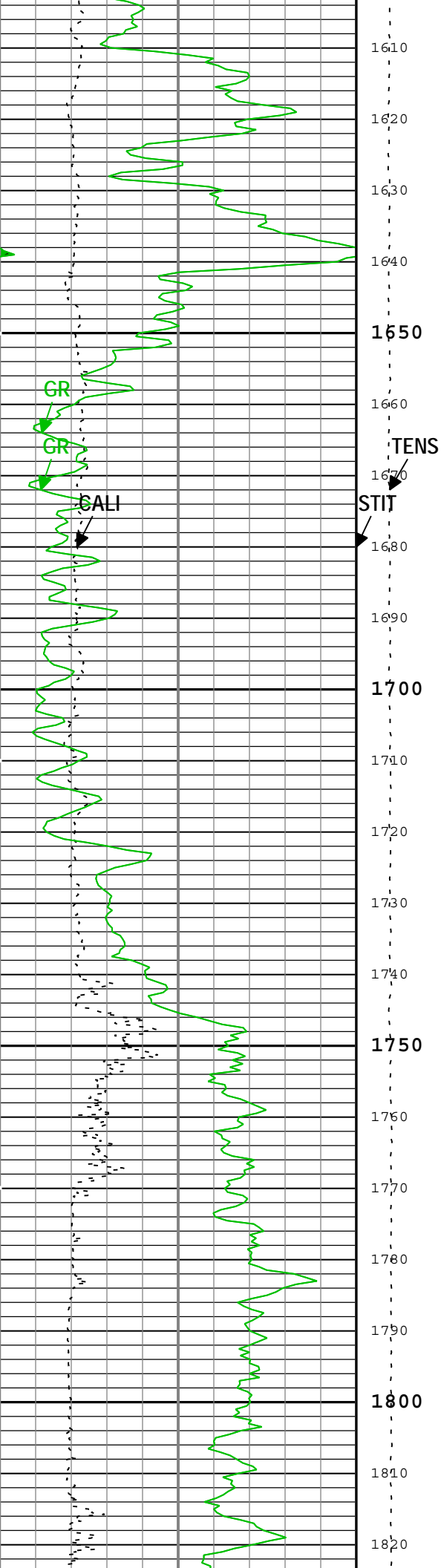


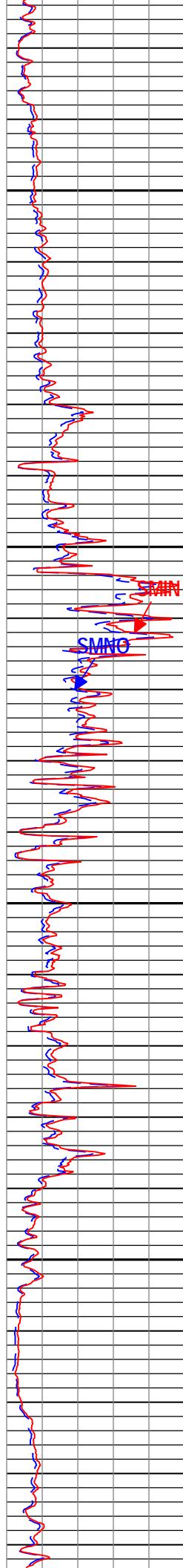
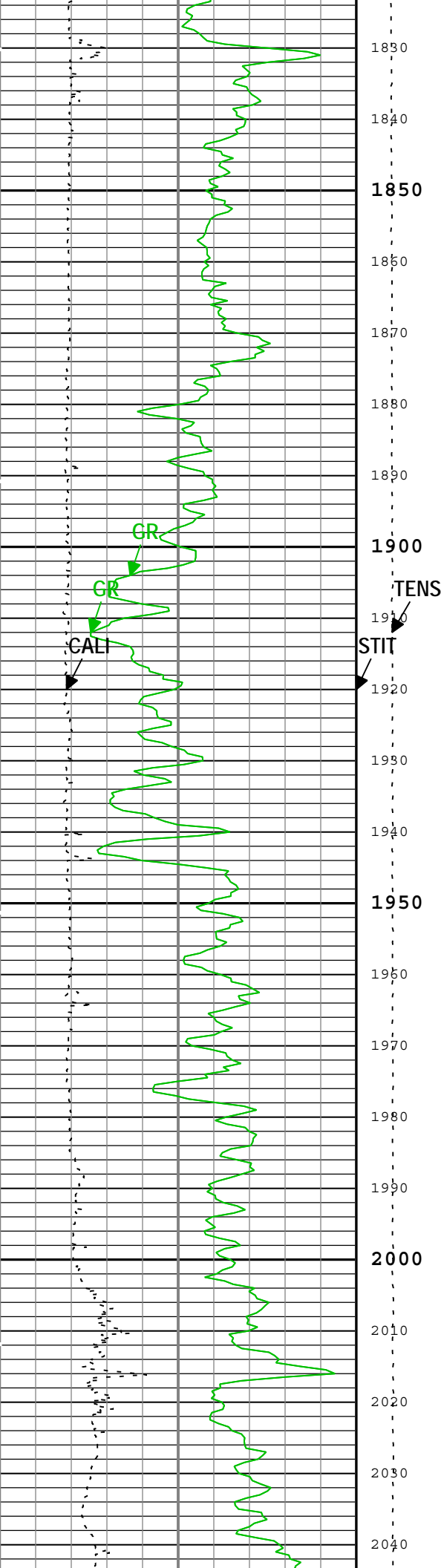


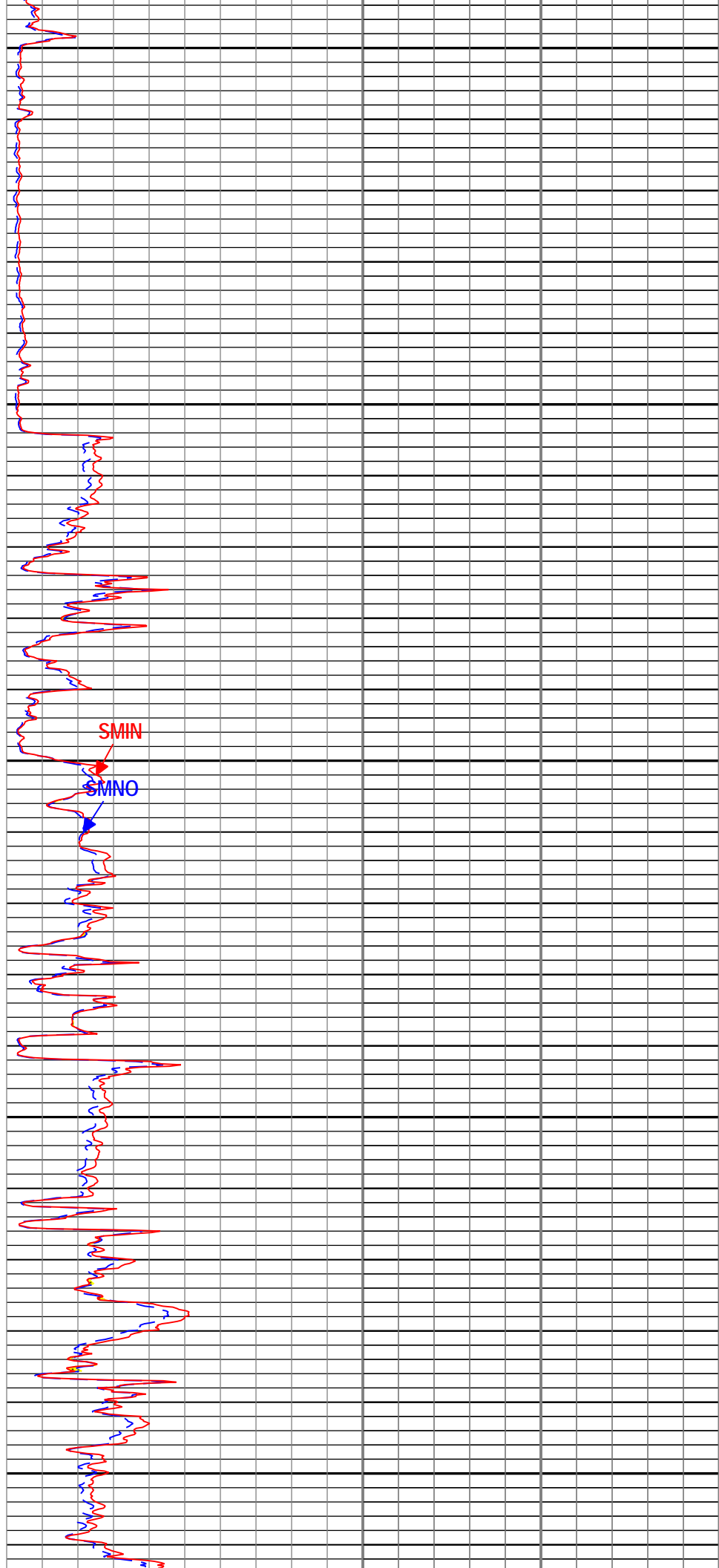
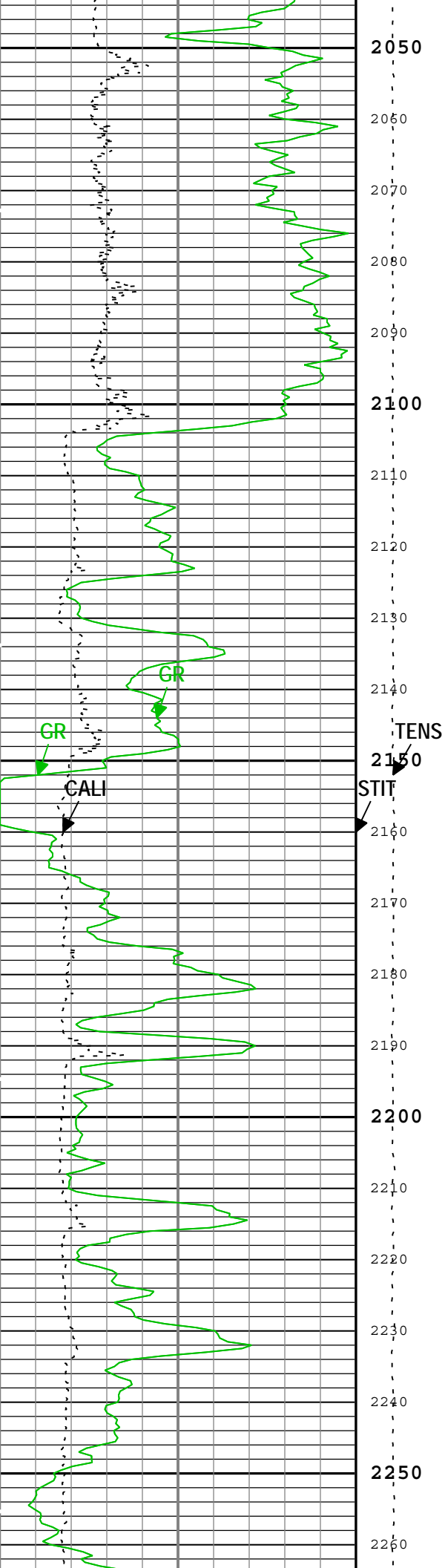


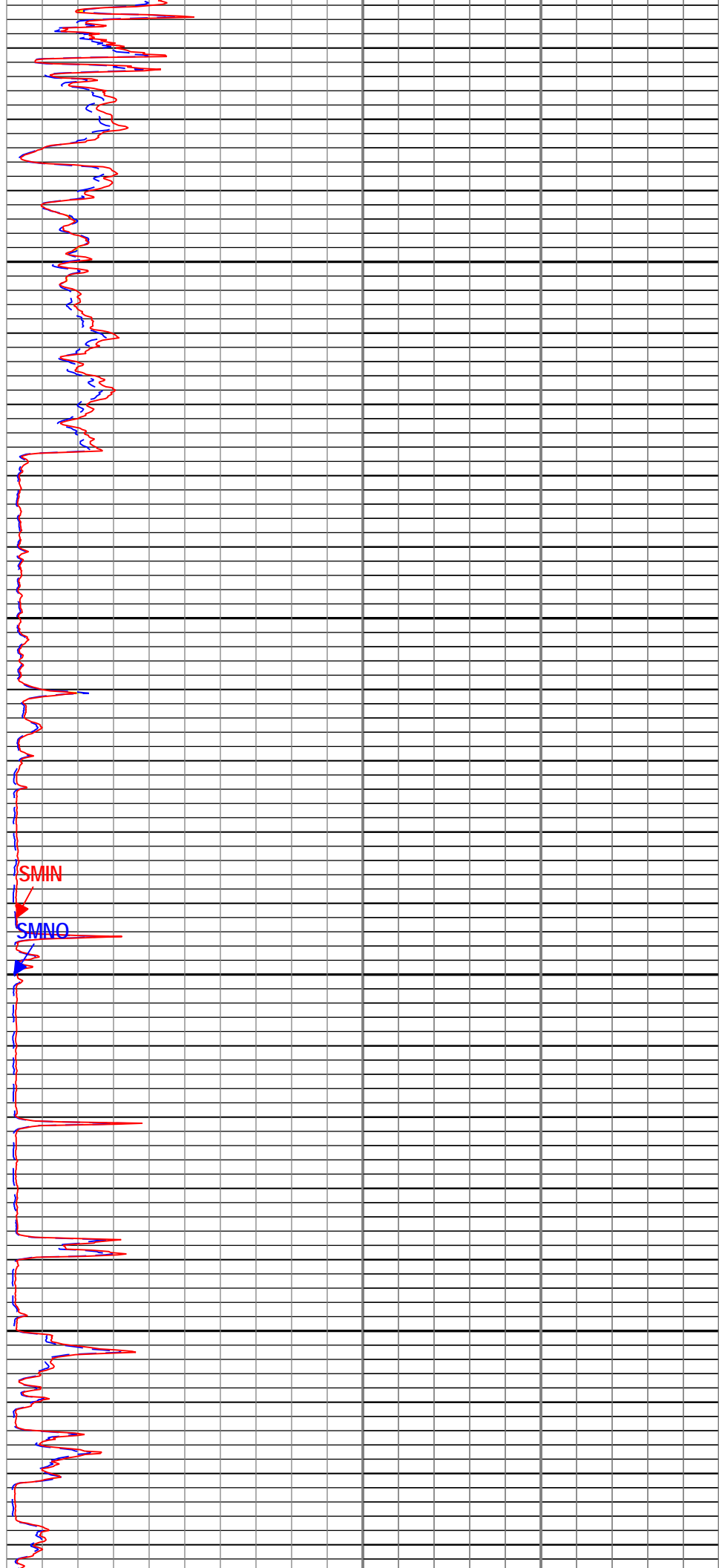
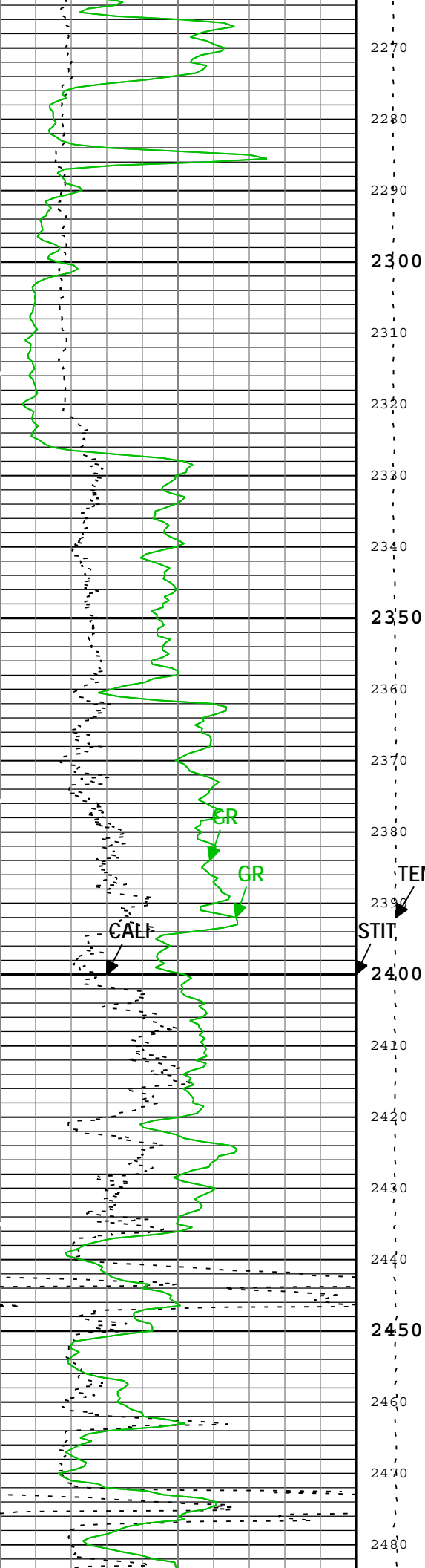


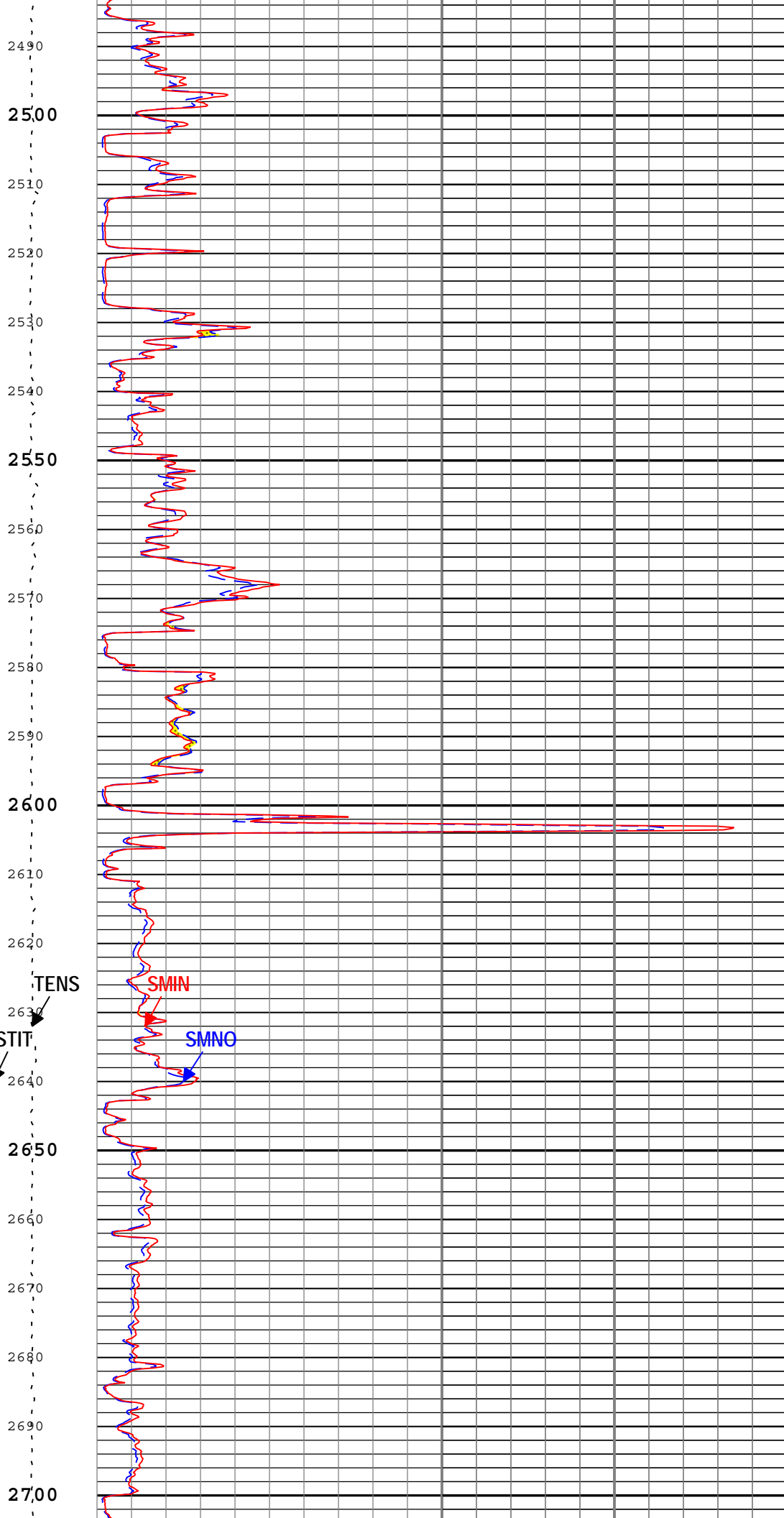
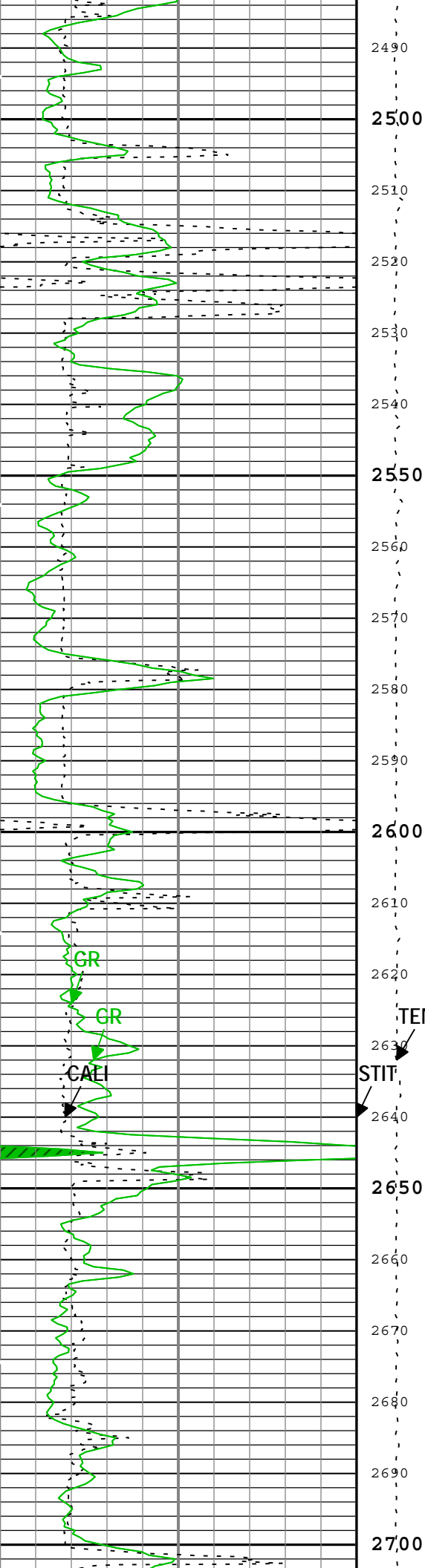


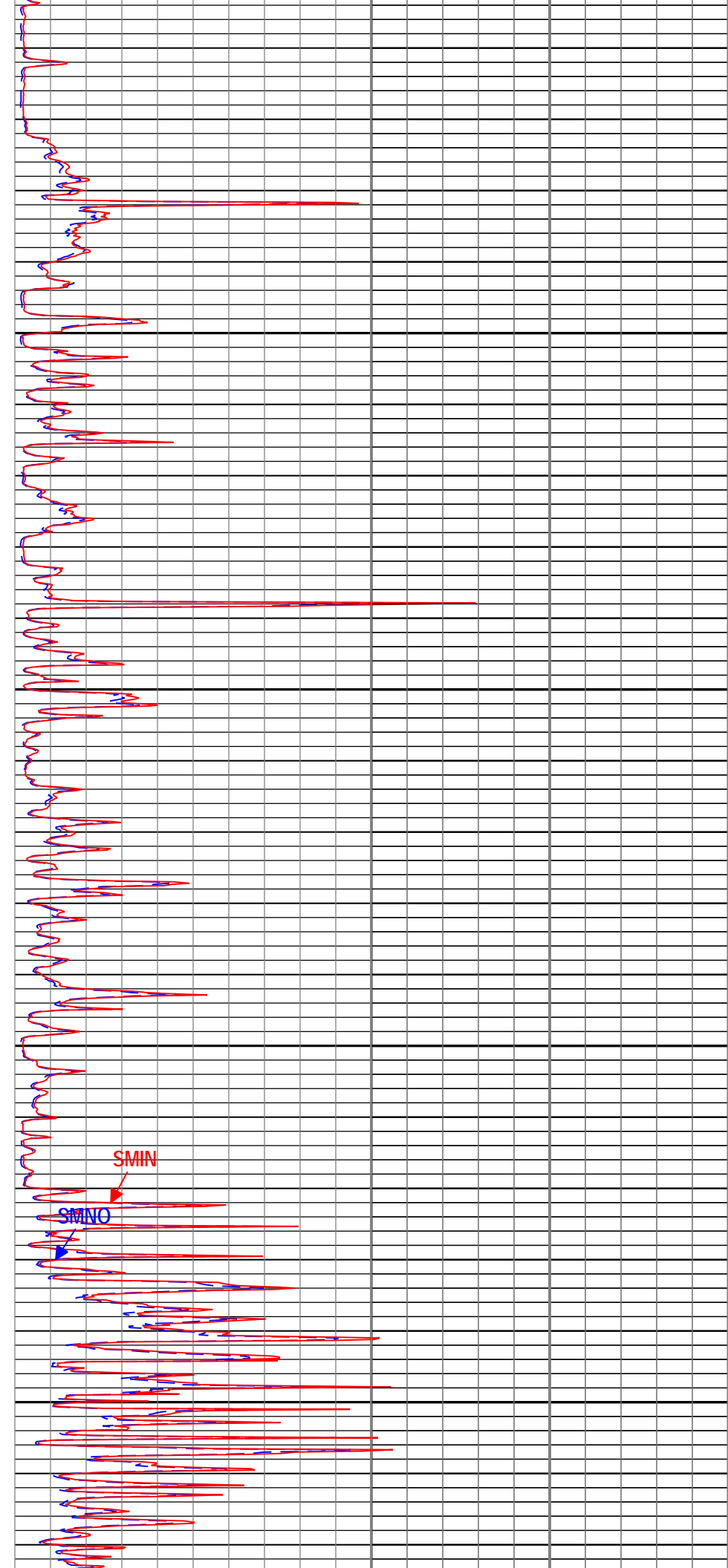
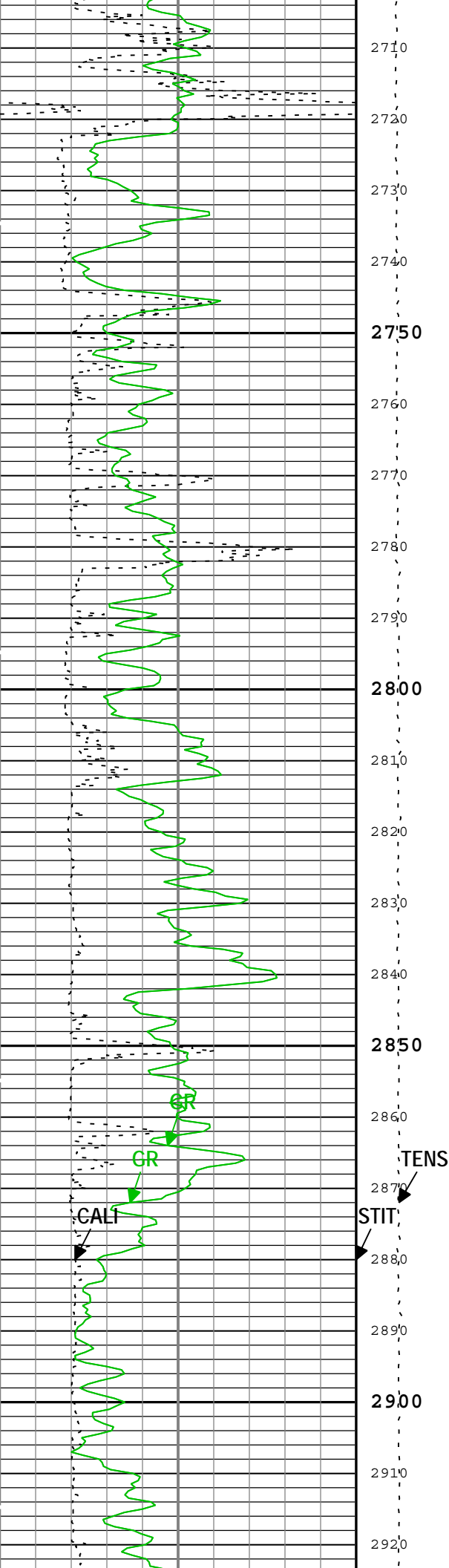


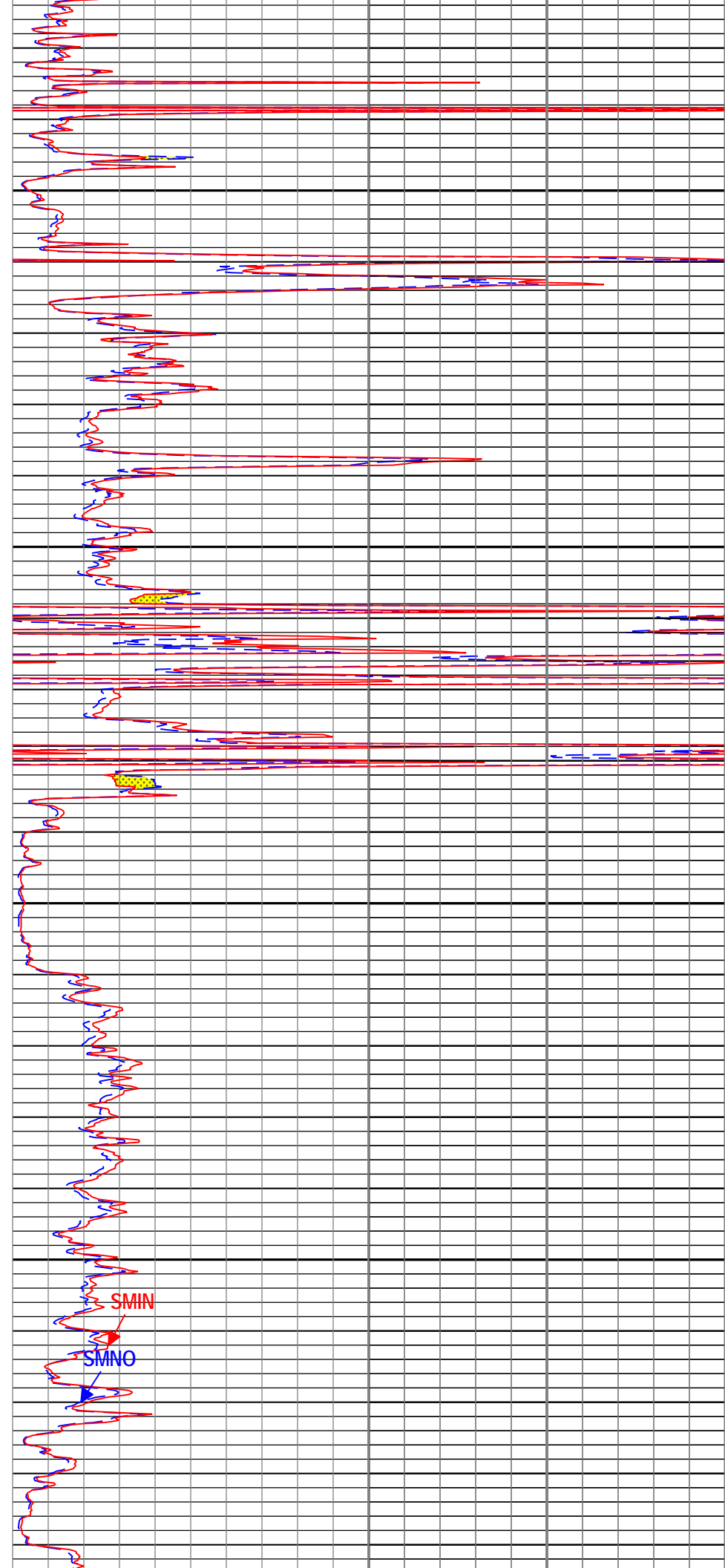
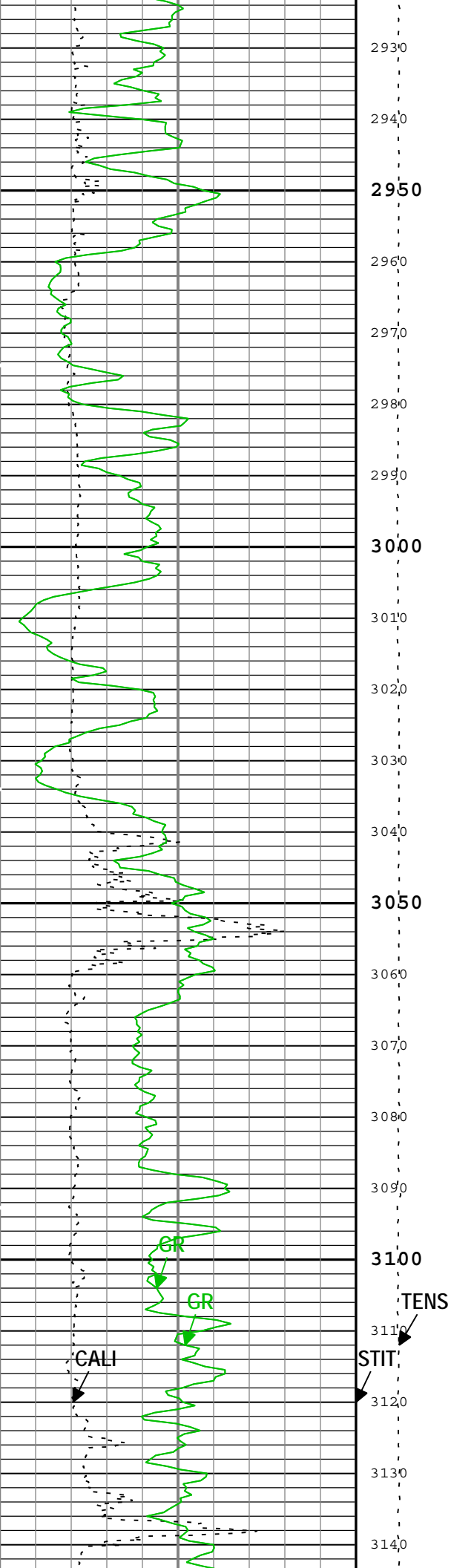


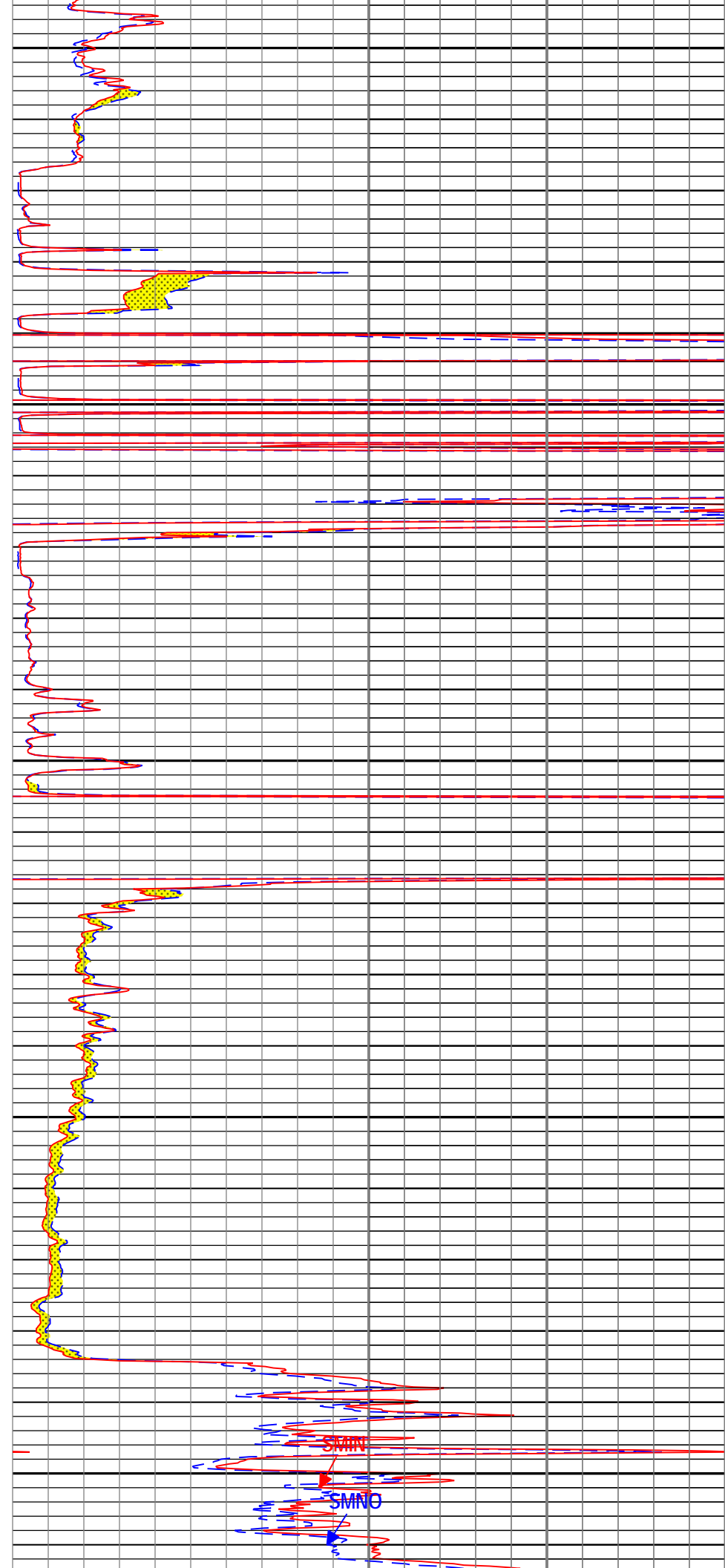
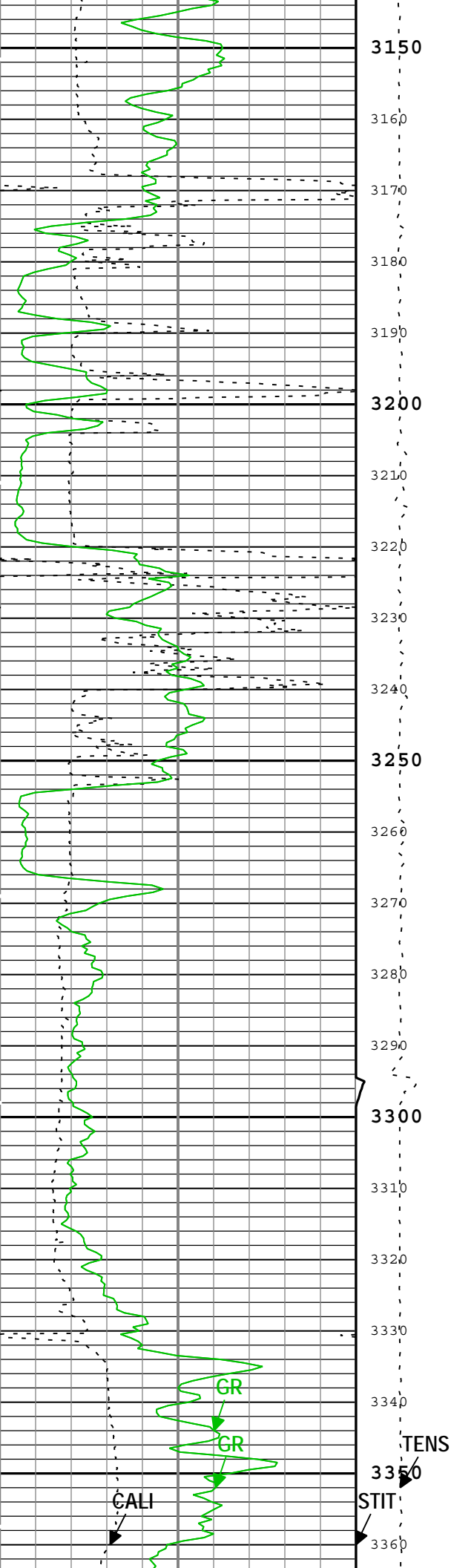


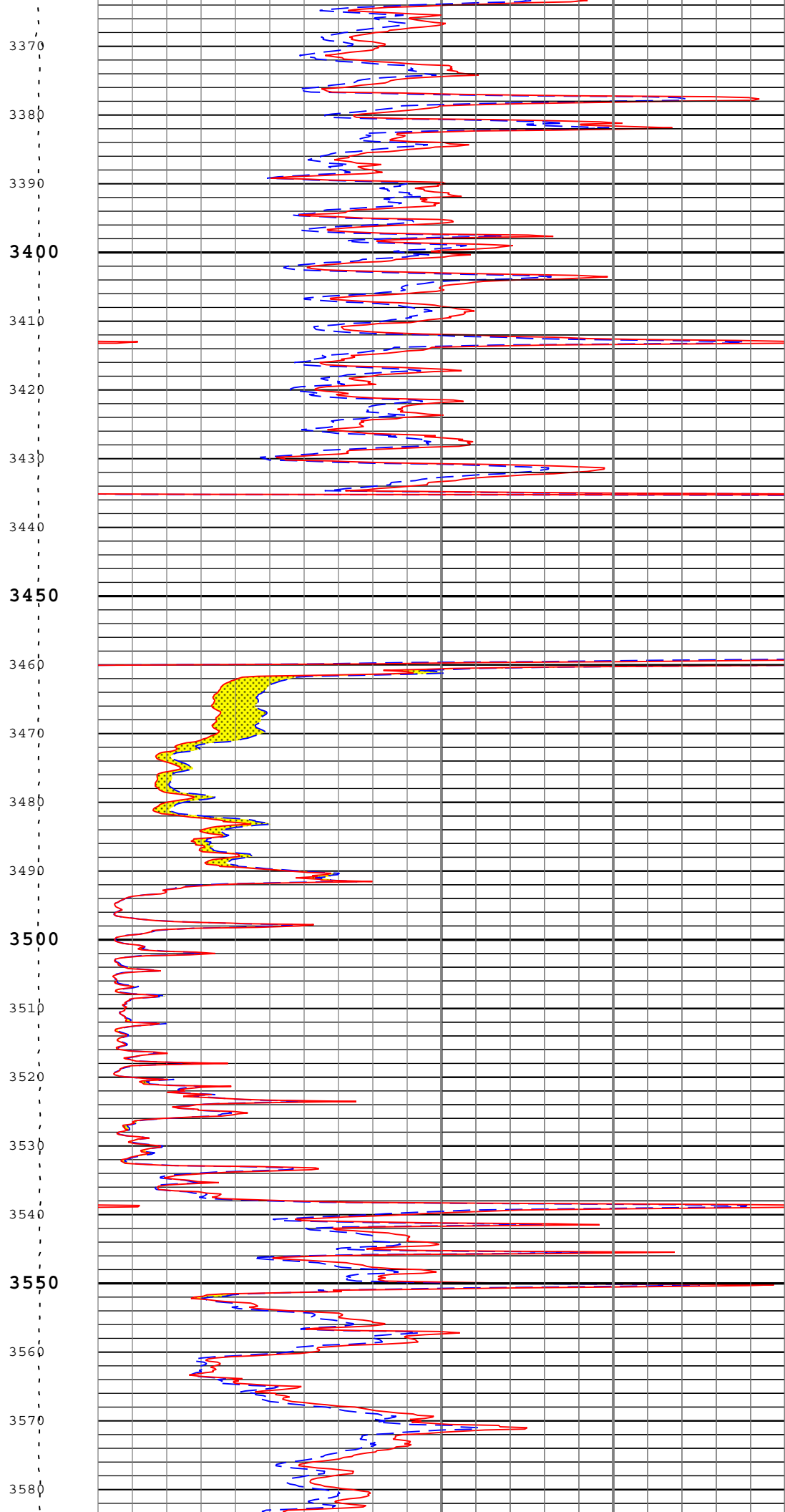
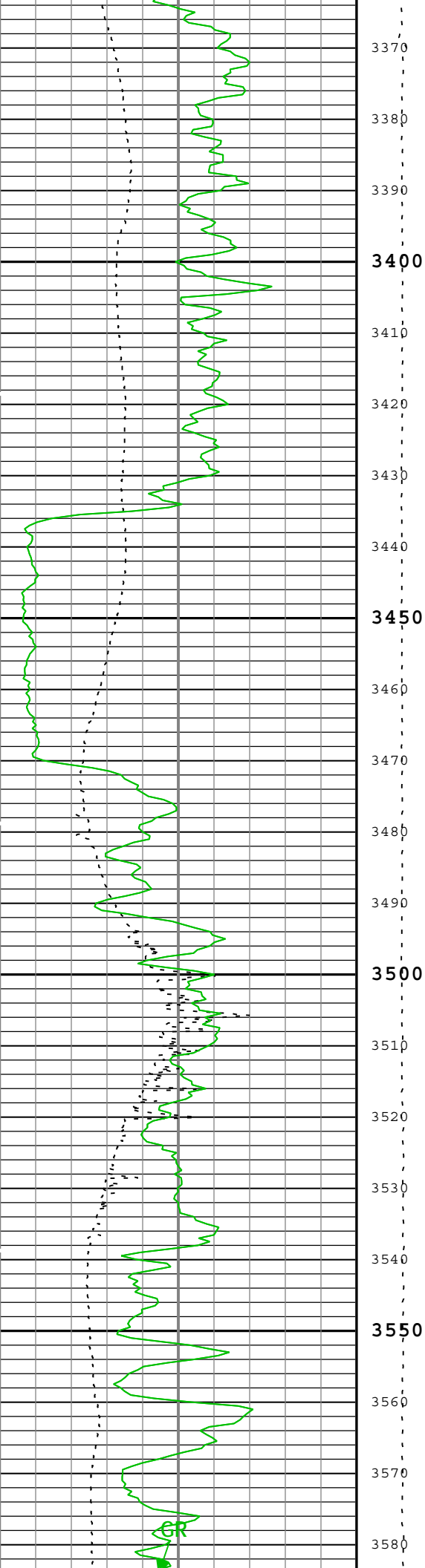


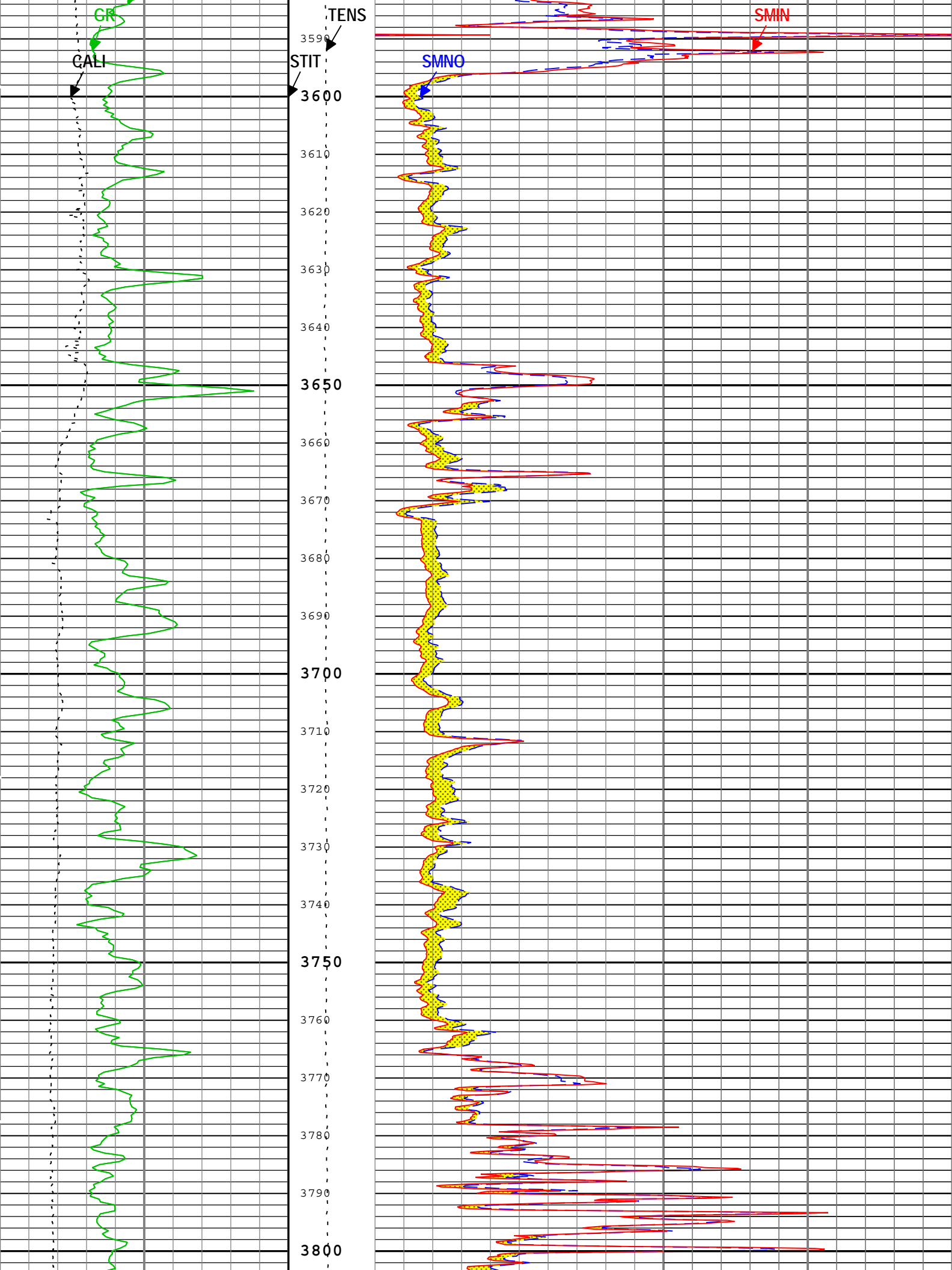


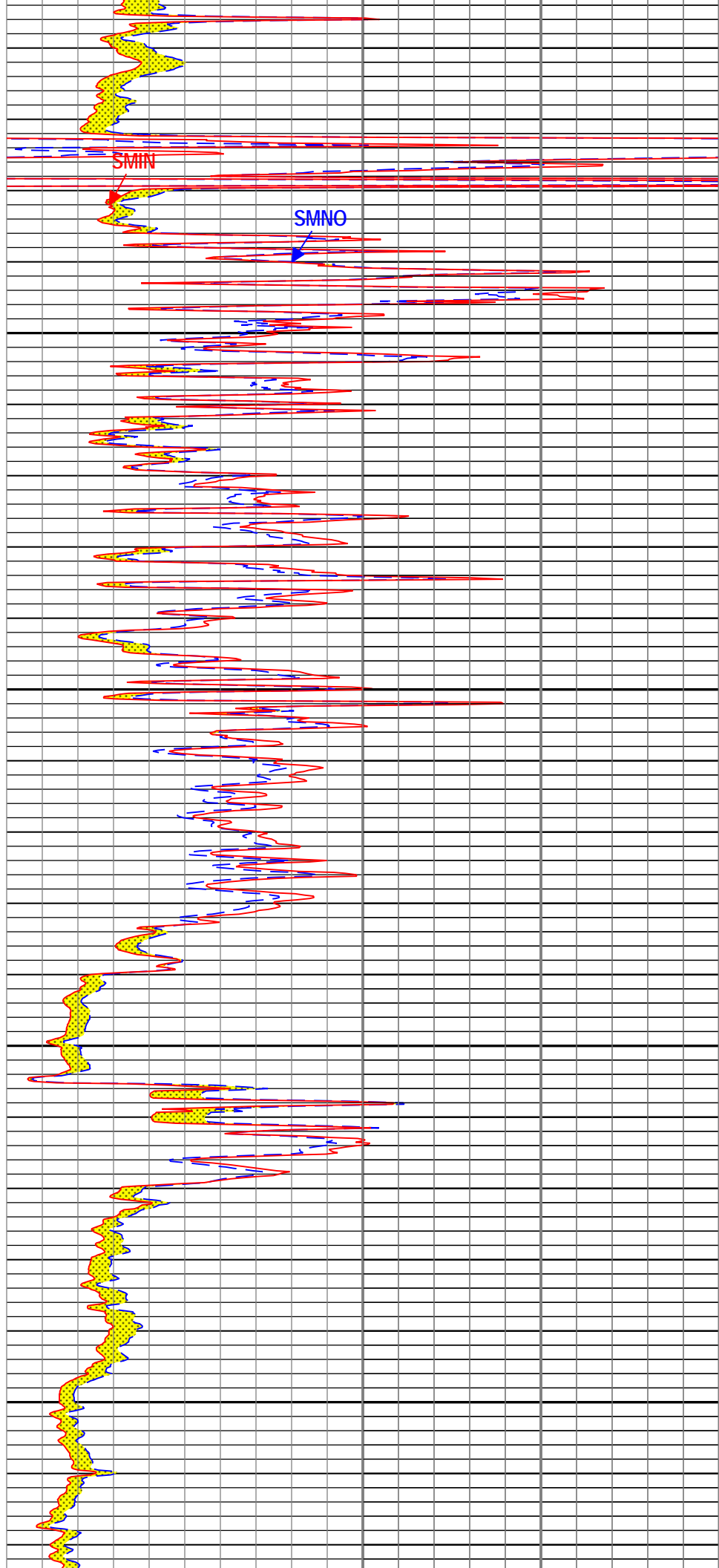
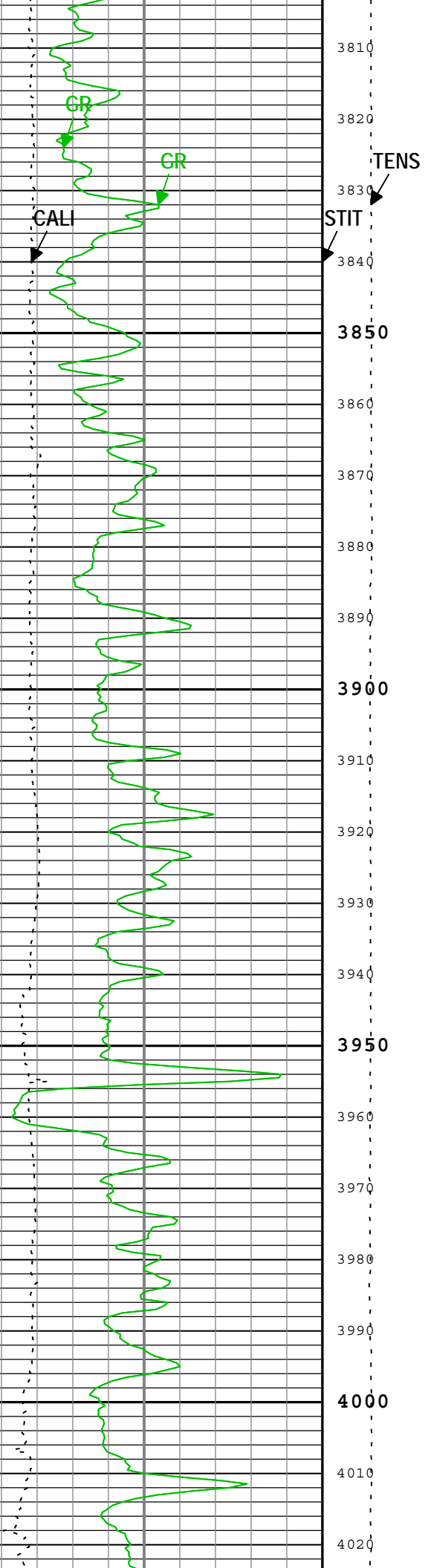


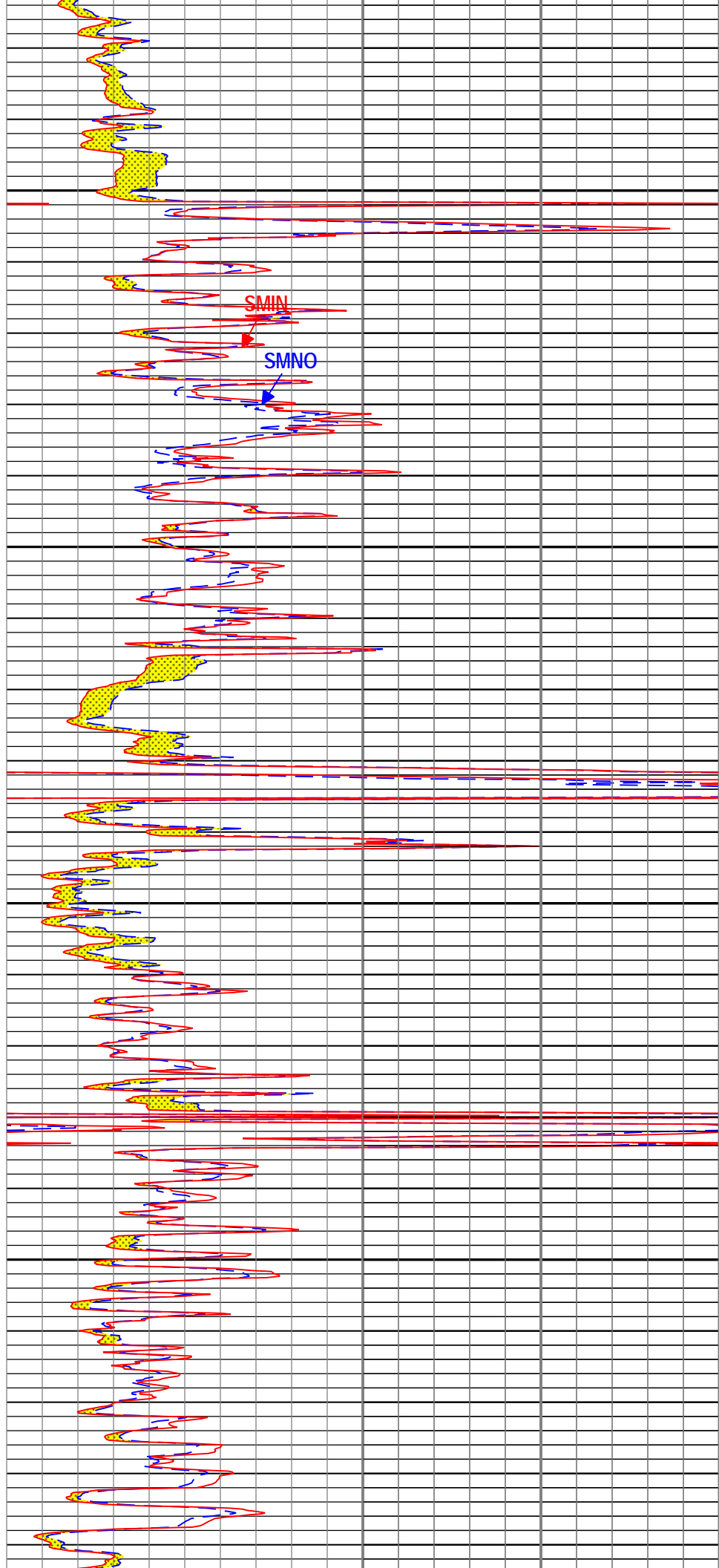
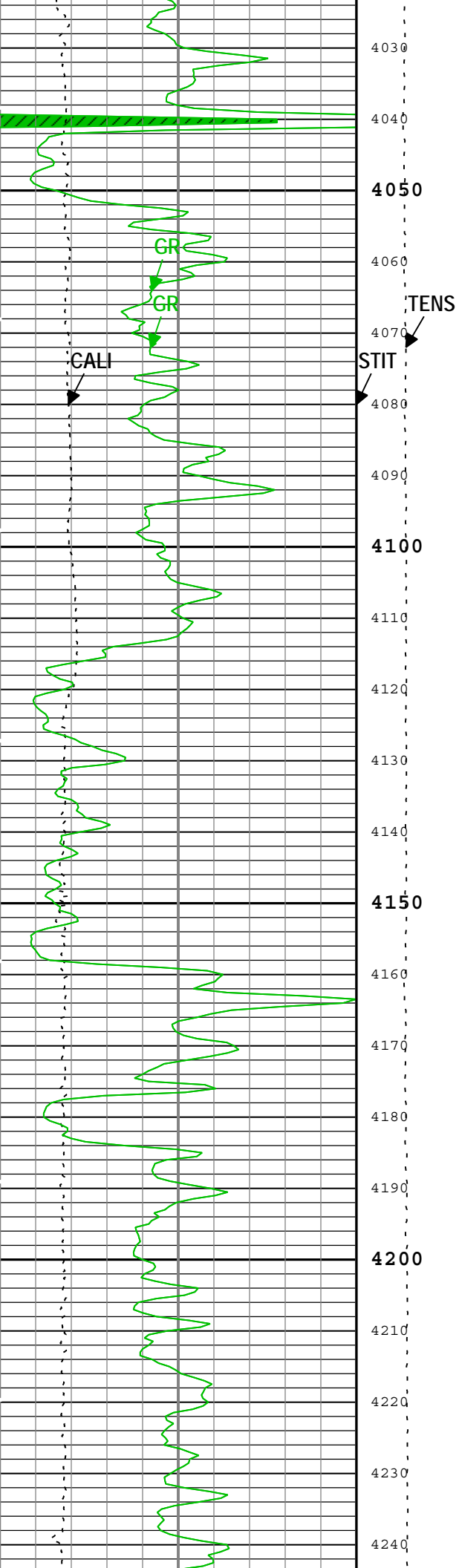


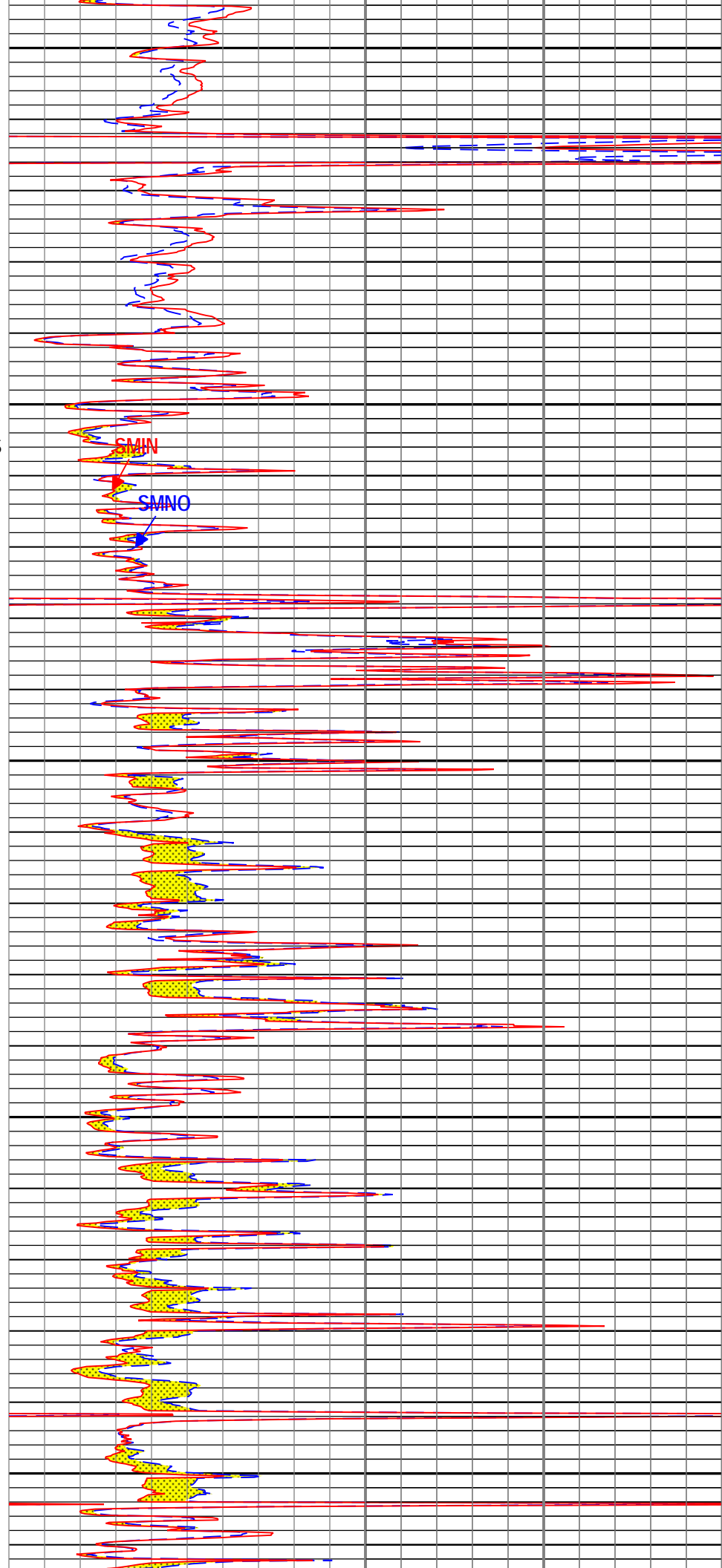
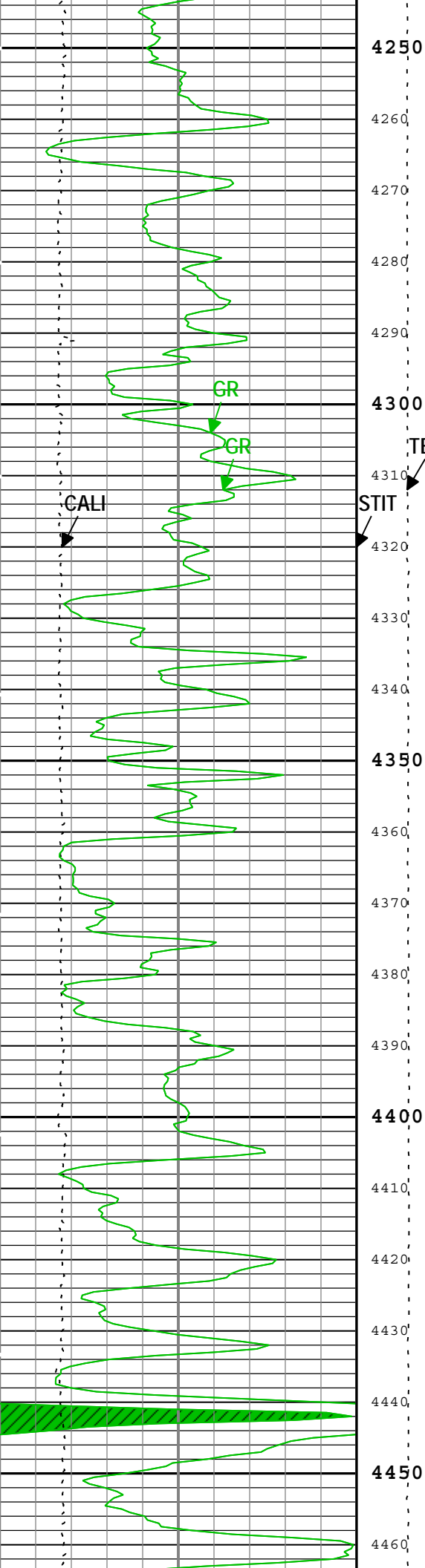


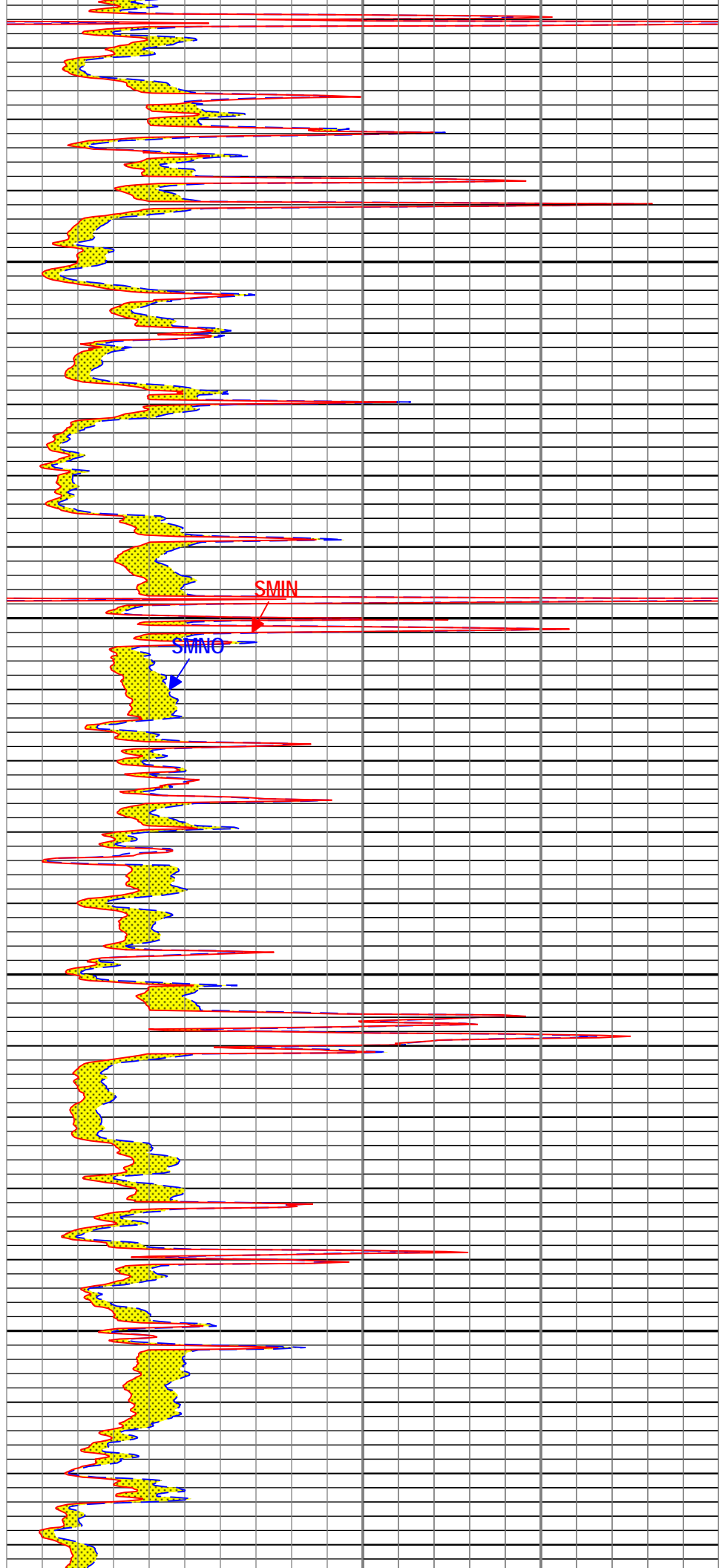
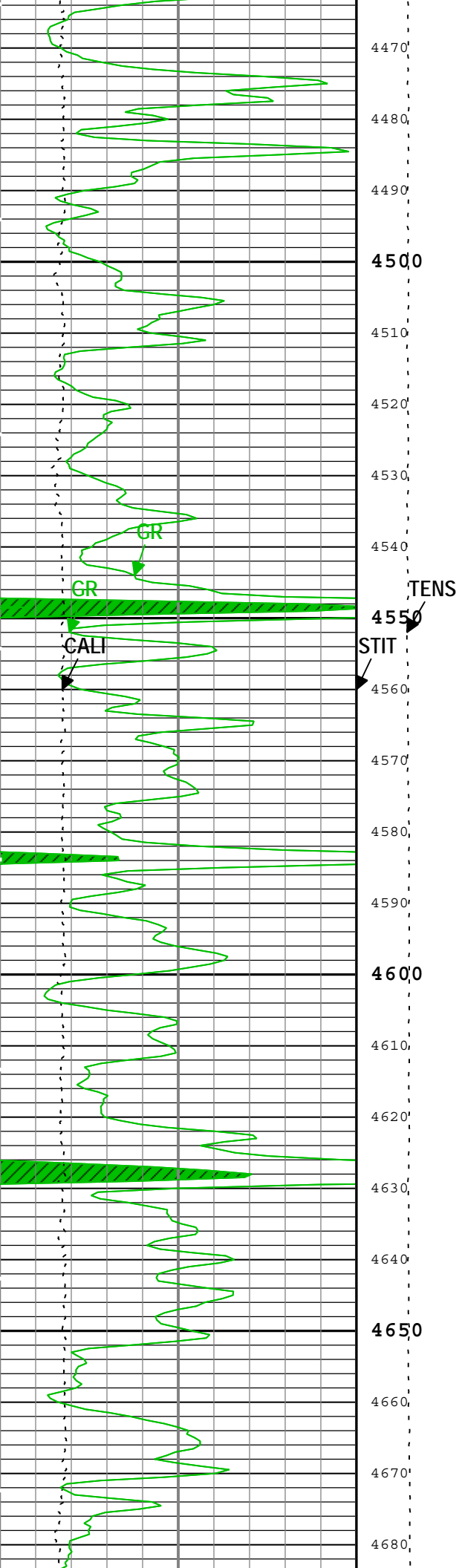


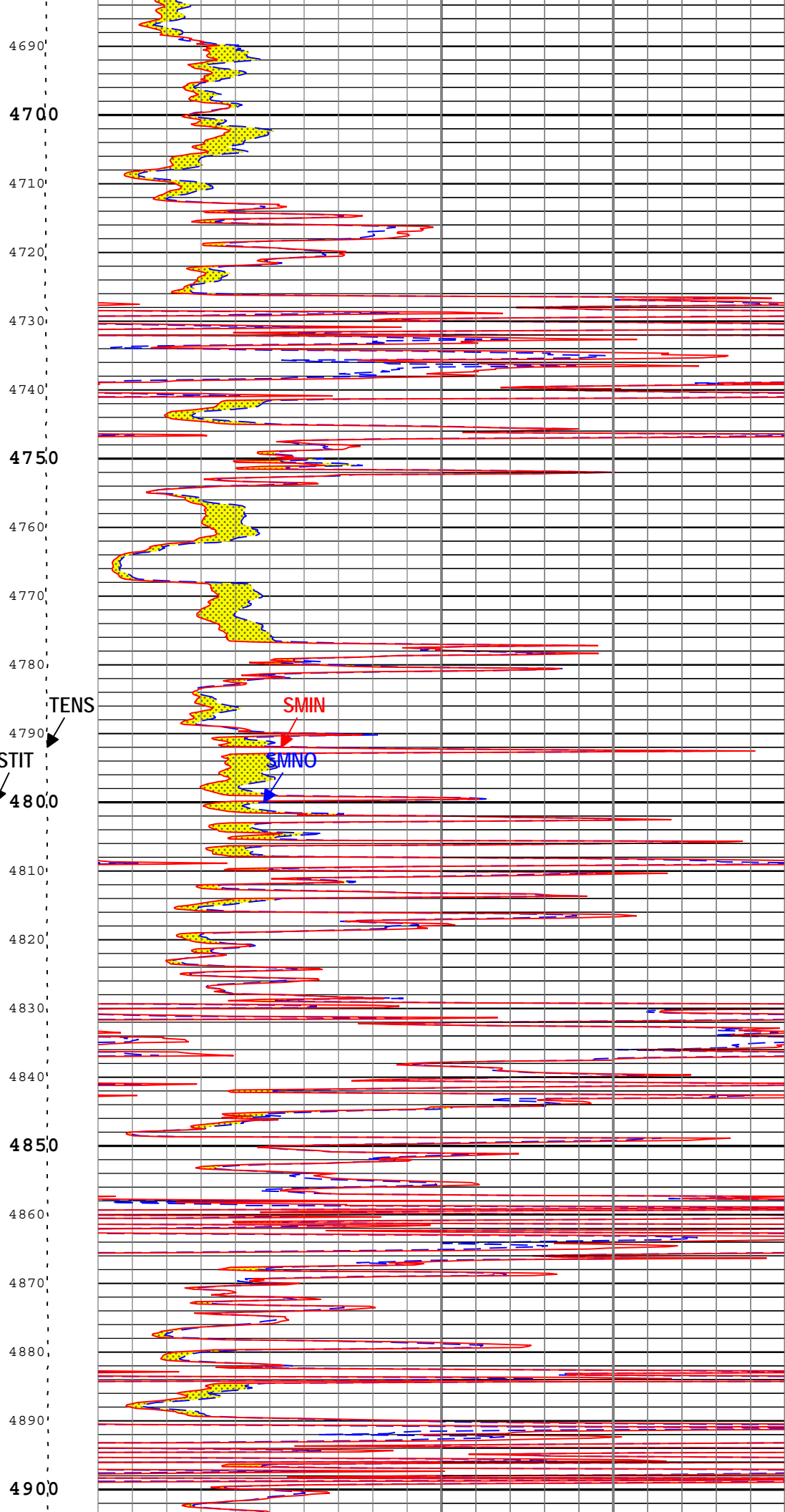
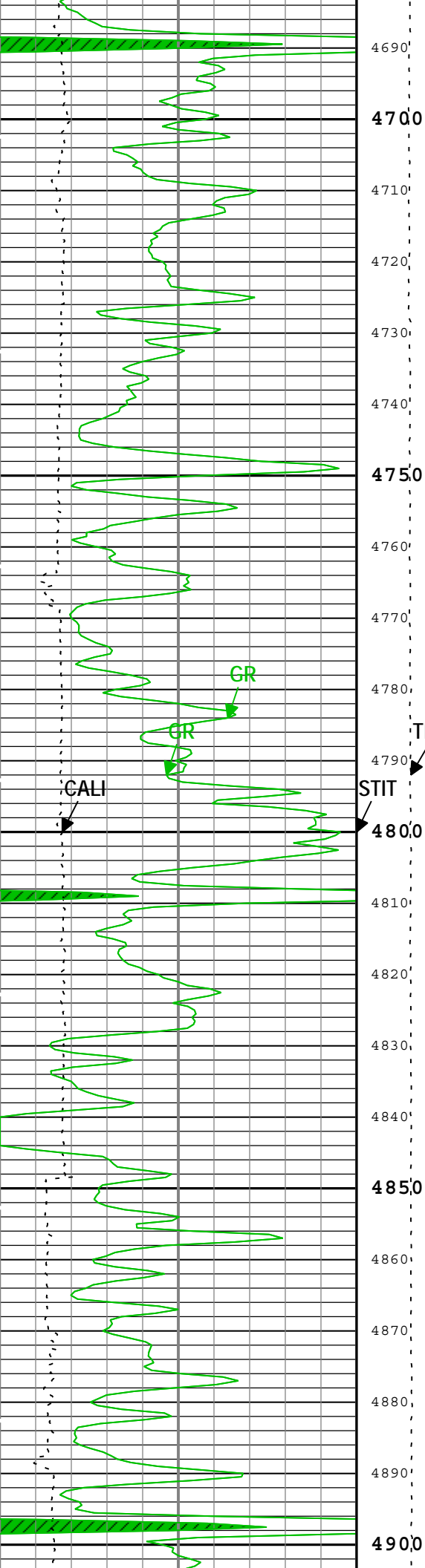


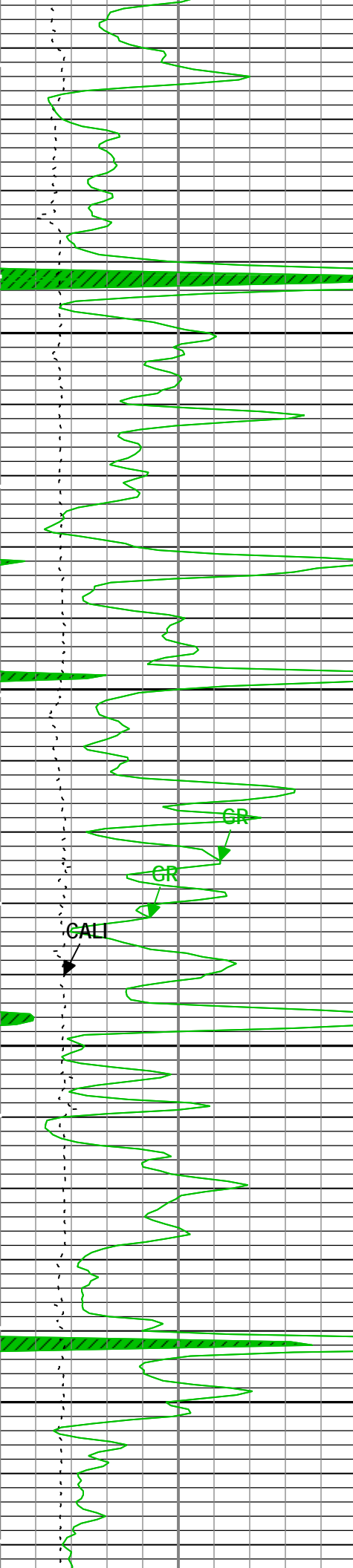












4910'
4920'
4930'
4940'
4950'
4960'
4970'
4980'
4990'
5000'
5010'
5020'
5030'
5040'
5050'
5060'
5070'
5080'
5090'
5100'
5110'
5120'

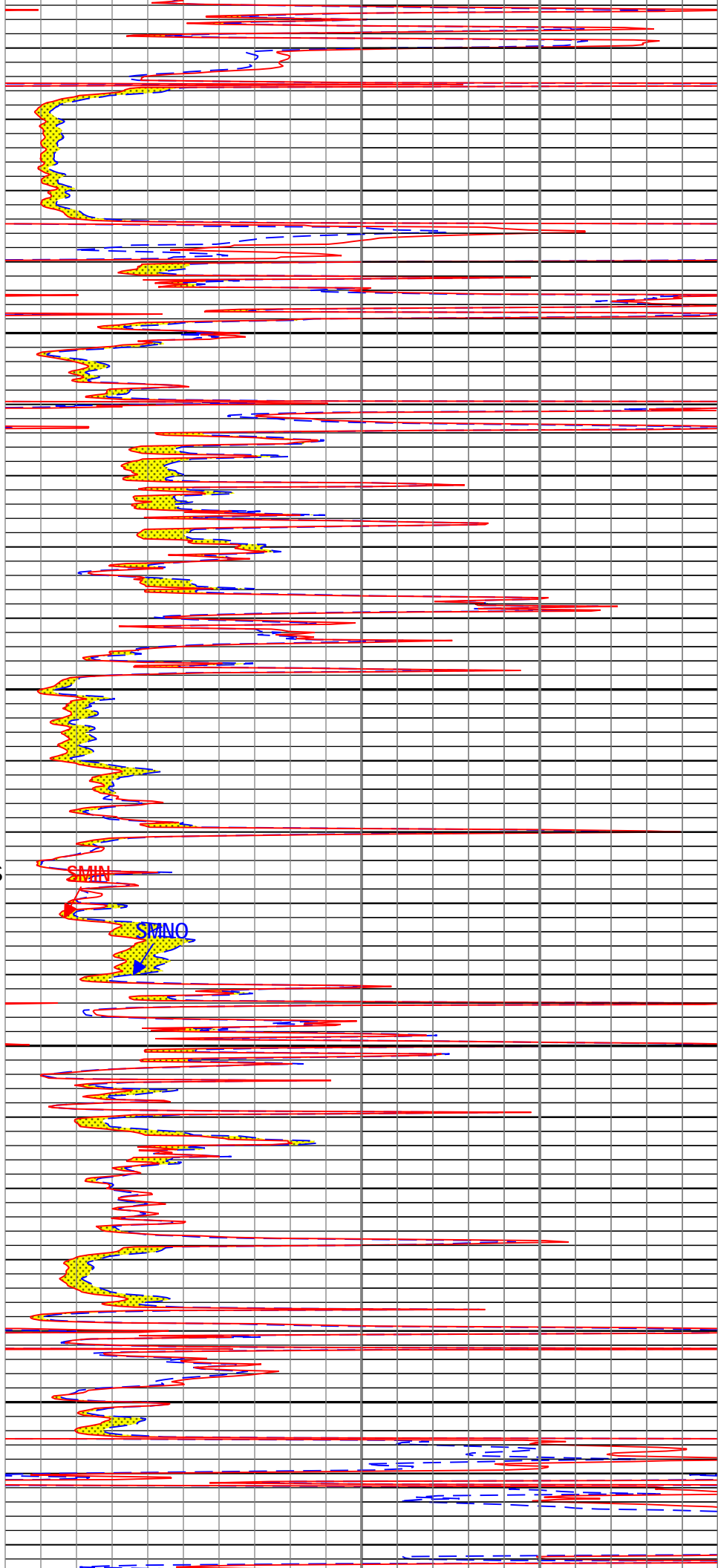
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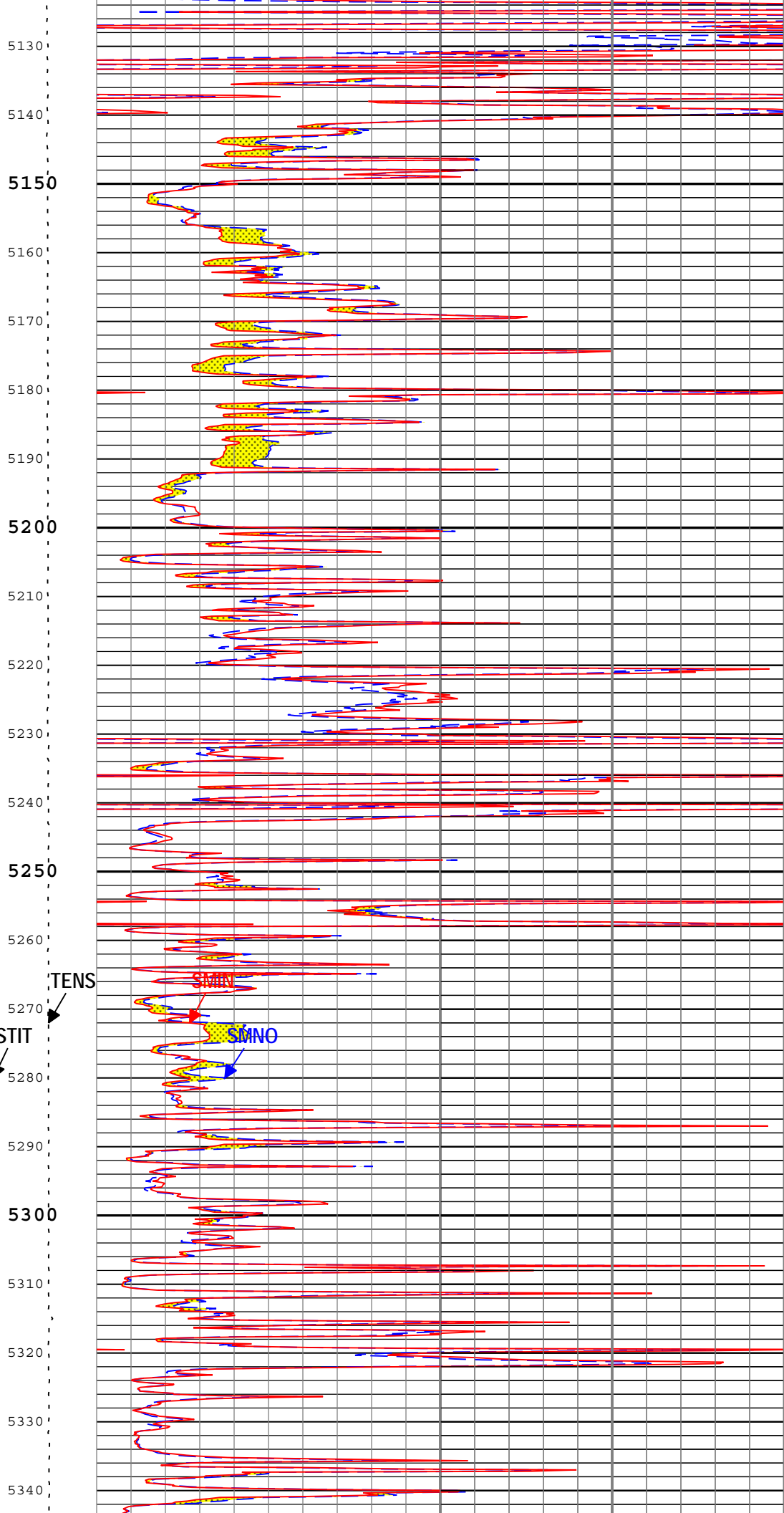
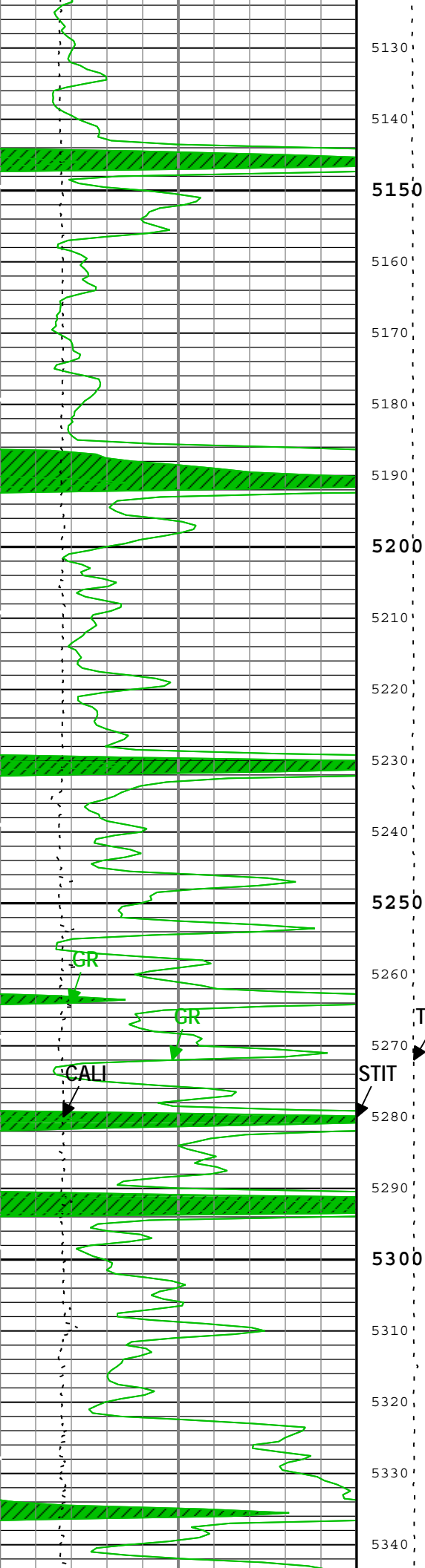
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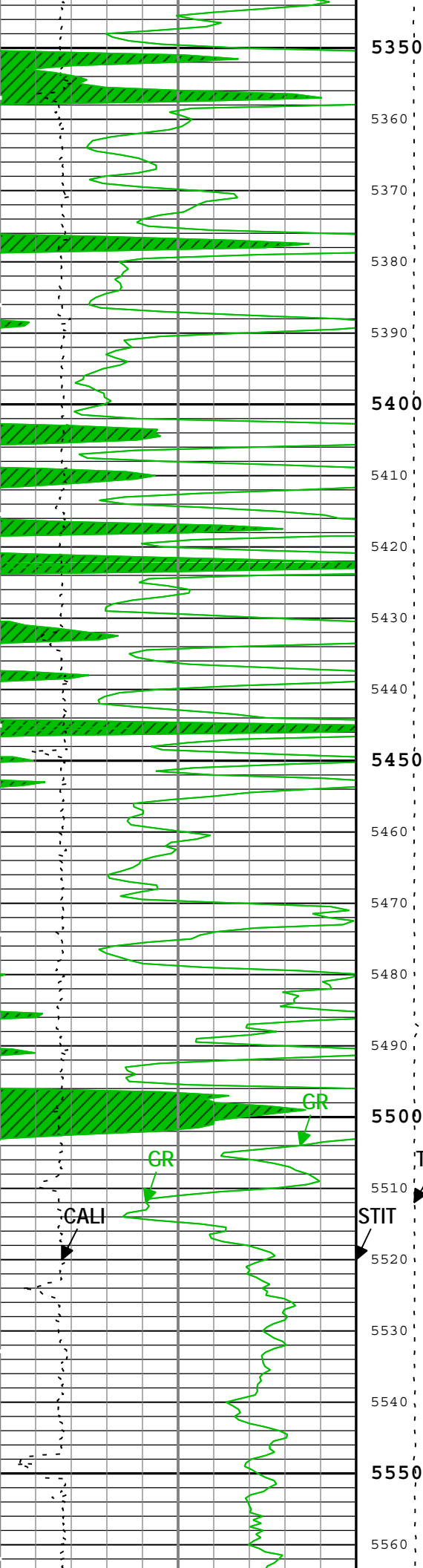
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SMIN

SMNO

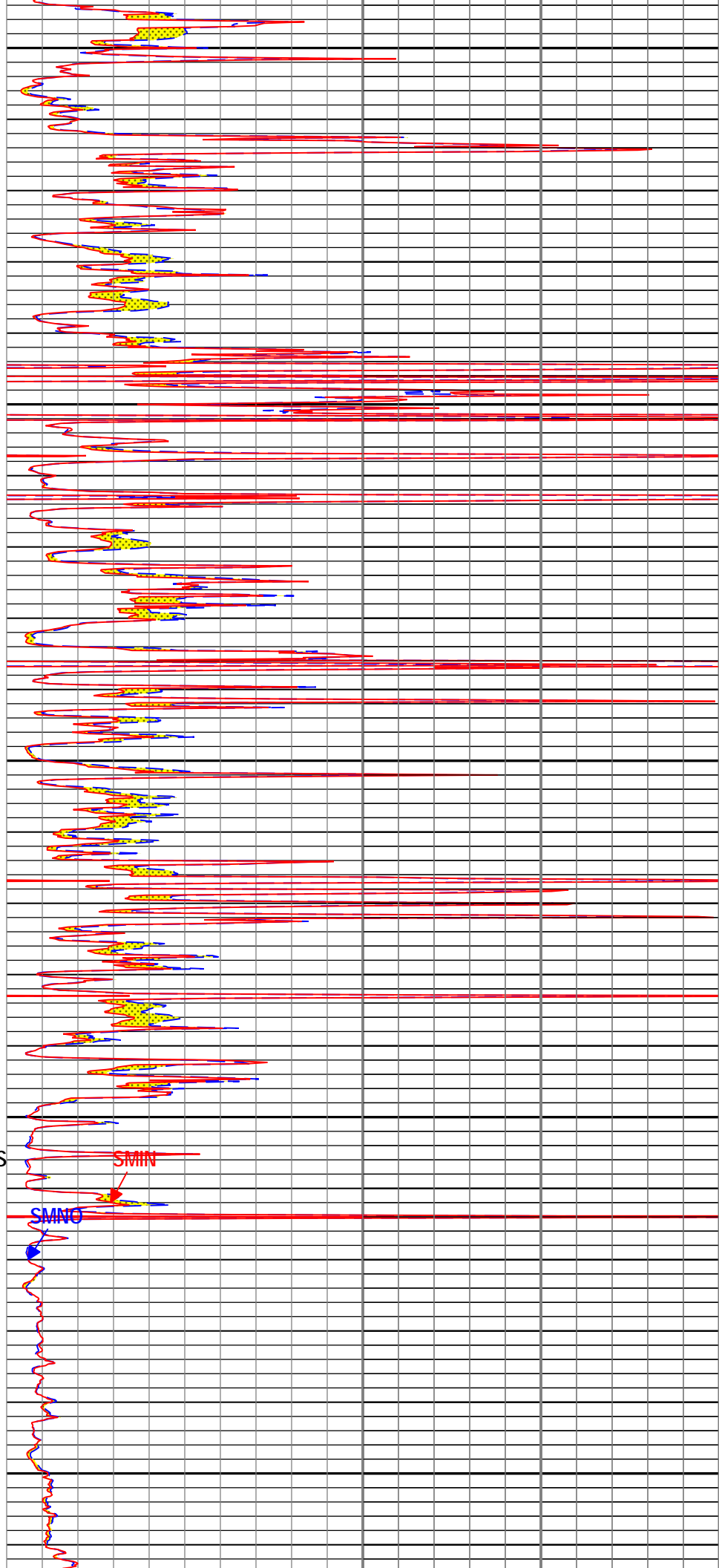


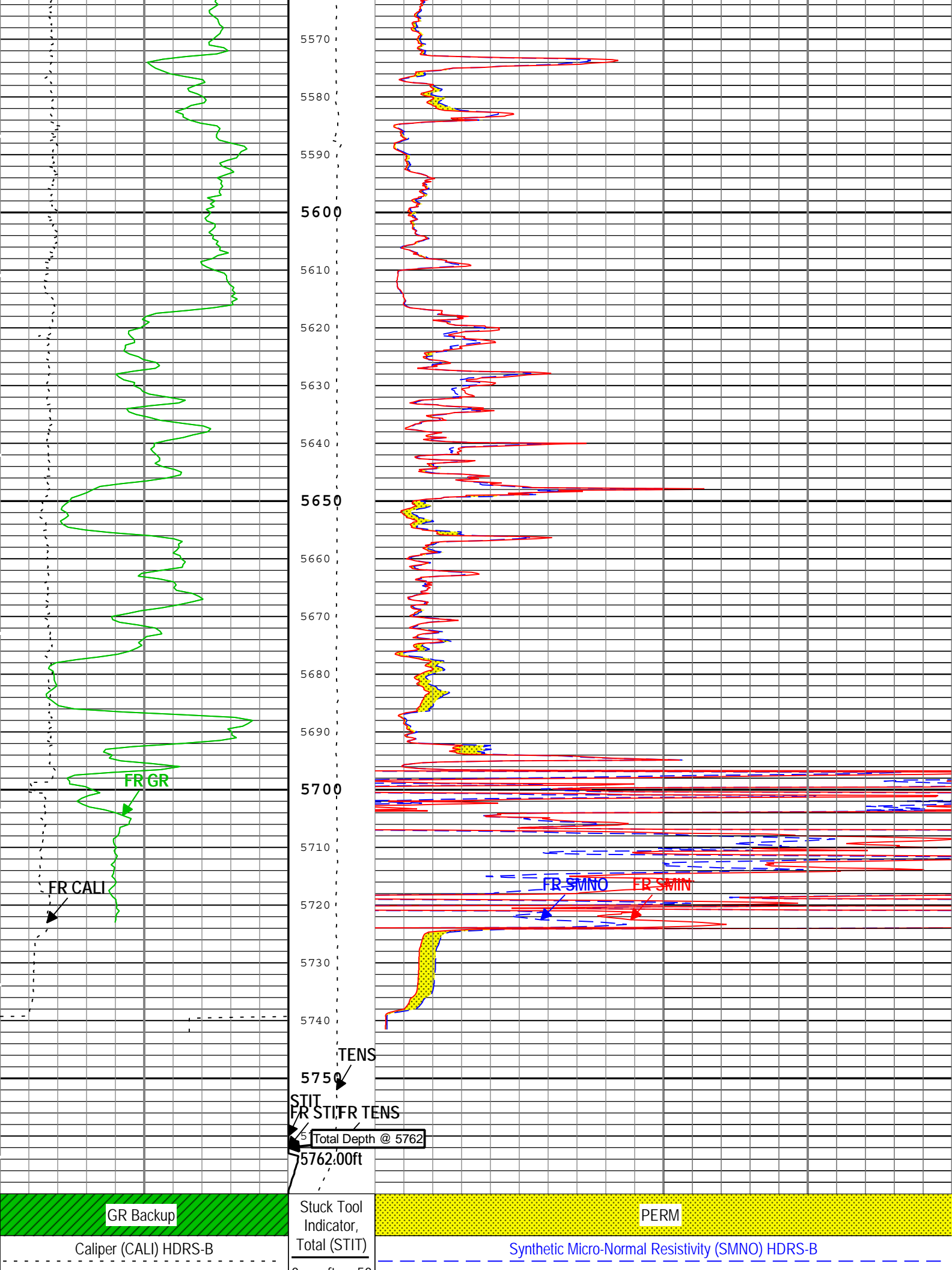


5350
5360
5370
5380
5390
5400
5410
5420
5430
5440
5450
5460
5470
5480
5490
5500
5510
5520
5530
5540
5550
5560

TENS

STIT





in		16	0	ft	50	0	ohm.m		40	
Gamma Ray (GR) HGNS-B			Cable Tension (TENS)	Synthetic Micro-Inverse Resistivity (SMIN) HDRS-B						
0	gAPI			200	0	ohm.m				40
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: 04-Oct-2013 05:47:24										

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	7.875	in
CALI_SHIFT	CALI Supplementary Offset	HDRS-B	0.2	in
CBLO	Casing Bottom (Logger)	WLSESSION	433	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	
TD	Total Measured Depth	Borehole	5762	ft
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	Schlumberger
Well:	Snowmass 32-32	
Field:	Wildcat	
County:	Cheyenne	
State:	Colorado	
Platform Express		
MicroLog		