

Company: Vecta Oil & Gas Ltd

Well: Snowmass 44-32

Field: Wildcat

County: Cheyenne

Country: USA

Platform Express

Sonic

County: Cheyenne

Field: Wildcat

Location: Lot 16, Sec. 32, Twn.12S, Rng. 47W

Well: Snowmass 44-32

Company: Vecta Oil & Gas Ltd

Location:

Lot 16, Sec. 32, Twn.12S, Rng. 47W

SHL: 689' FSL & 643' FEL

Lat/Long: 38.955540/-102.688810

Elev.: K.B. 4528.00 ft

G.L. 4517.00 ft

D.F. 4527.00 ft

Permanent Datum: Ground Level

Elev.: 4517.00 f

Log Measured From: Kelly Bushing

11.00 ft

above Perm.Datum

Drilling Measured From: Kelly Bushing

API Serial No. 05-017-07725-00

Max.Hole Deviation 0 deg

Longitude: -102.68881 degrees

Latitude: 38.955540 degrees

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	1.6 ohm.m @ 60.6 degF		
RMF @ Meas Temp	1.2 ohm.m @ 60.6 degF		
RMC @ Meas Temp	2 ohm.m @ 60.6 degF		
Source RMF	RMC	Calculated	
RM @ BHT	RMF @ BHT	0.71 @ 145	0.53 @ 145
Max Recorded Temperatures			
Circulation Stopped		Time	02:00:00
Logger on Bottom		Time	19:26:42
Unit Number	Location:	3022	Ft. Morgan
Recorded By	Stan, Arvin, Megan		
Witnessed By	Ryan Scribner		

Disclaimer

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Well Sketch

Driller Depth
0.00 ft

434.00 ft

Casing 8.625in
24lbm/ft



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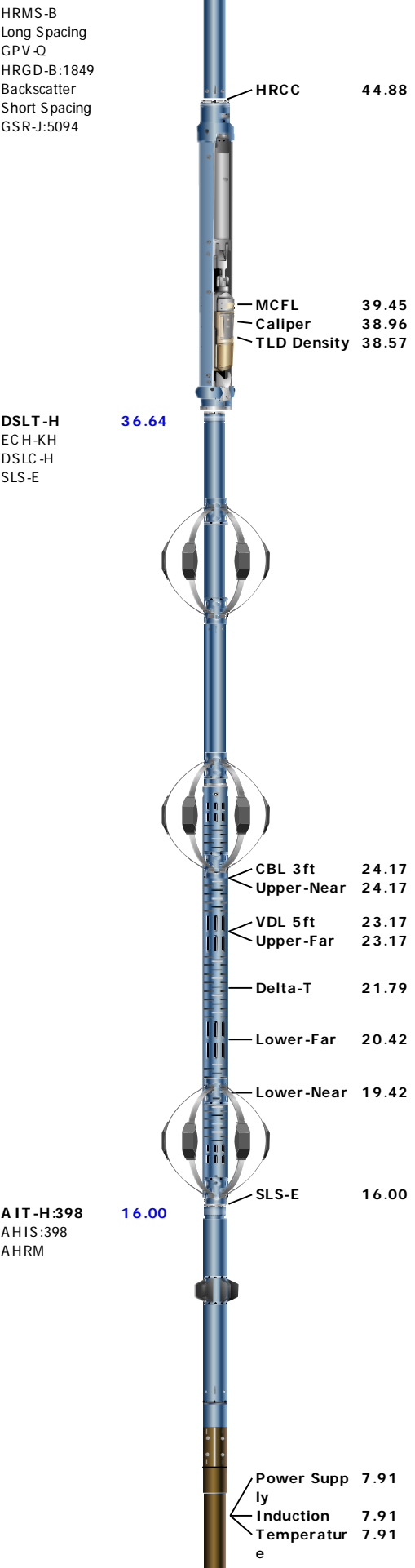
Bit						
Bit Size (in)	7.875					
Top Driller (ft)	434					
Top Logger (ft)	427					
Bottom Driller (ft)	5858					
Bottom Logger (ft)	5852					
Casing						
Size (in)	8.625					
Weight (lbm/ft)	24					
Inner Diameter (in)	8.099					
Top Driller (ft)	0					
Top Logger (ft)	0					
Bottom Driller (ft)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

Operational Run Summary						
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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 HMCA HGNS Accelerometer	51.21 48.88 48.88 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

BHC Sonic Log

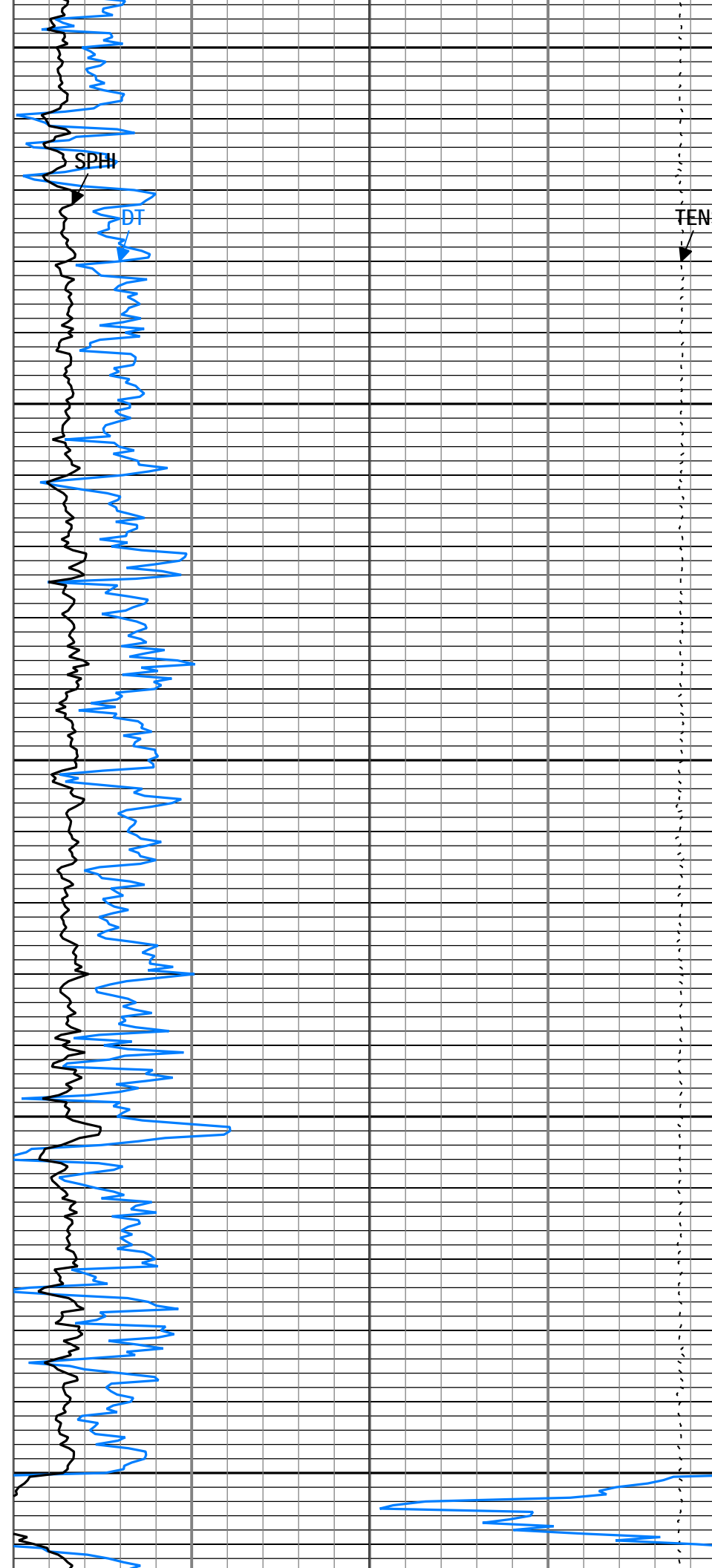
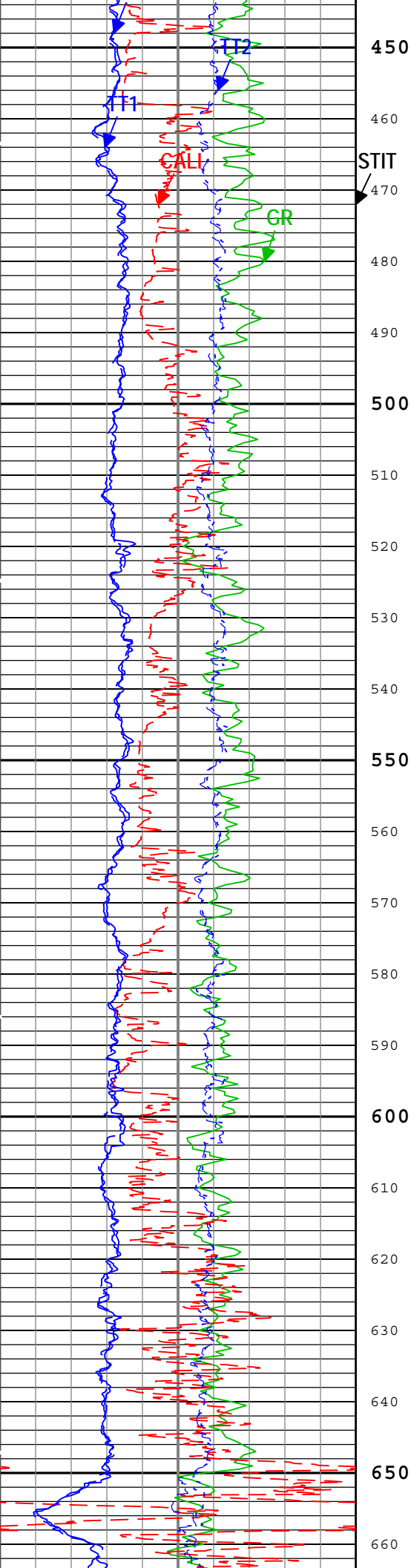
Integration Summary

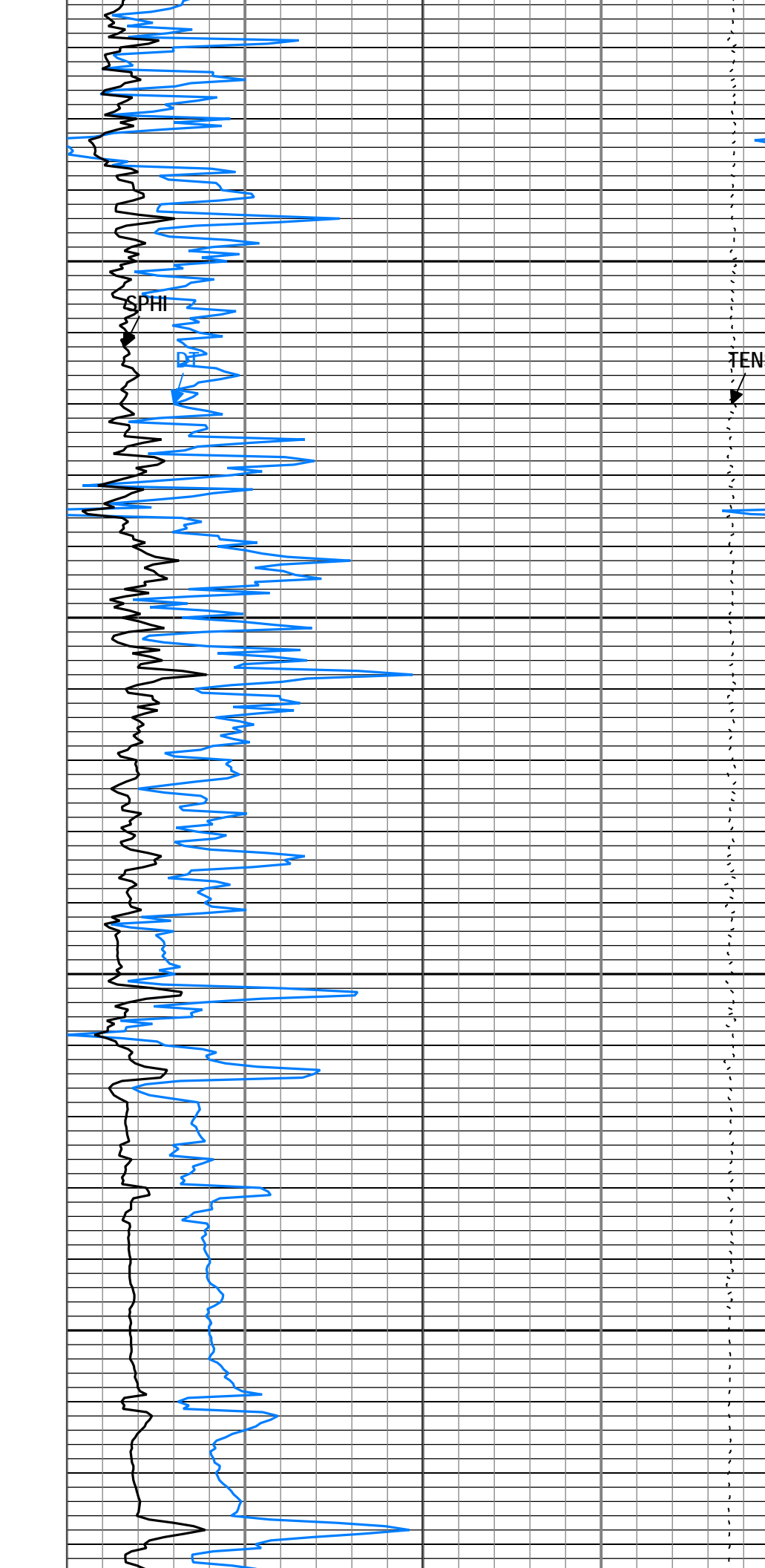
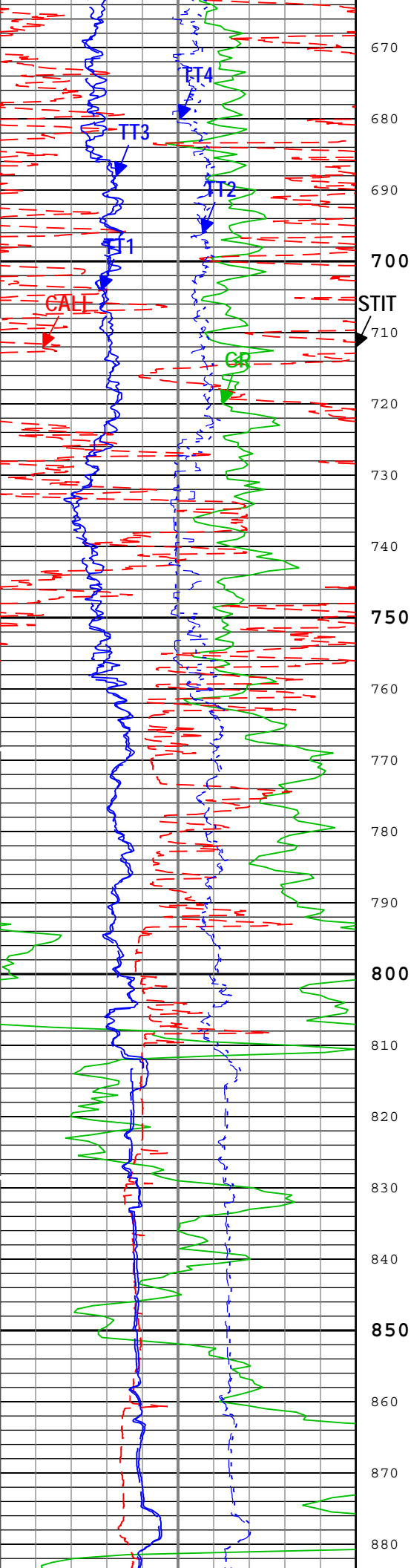
Output Channel(s)	Output Description	Input Parameter	Output Value	Unit
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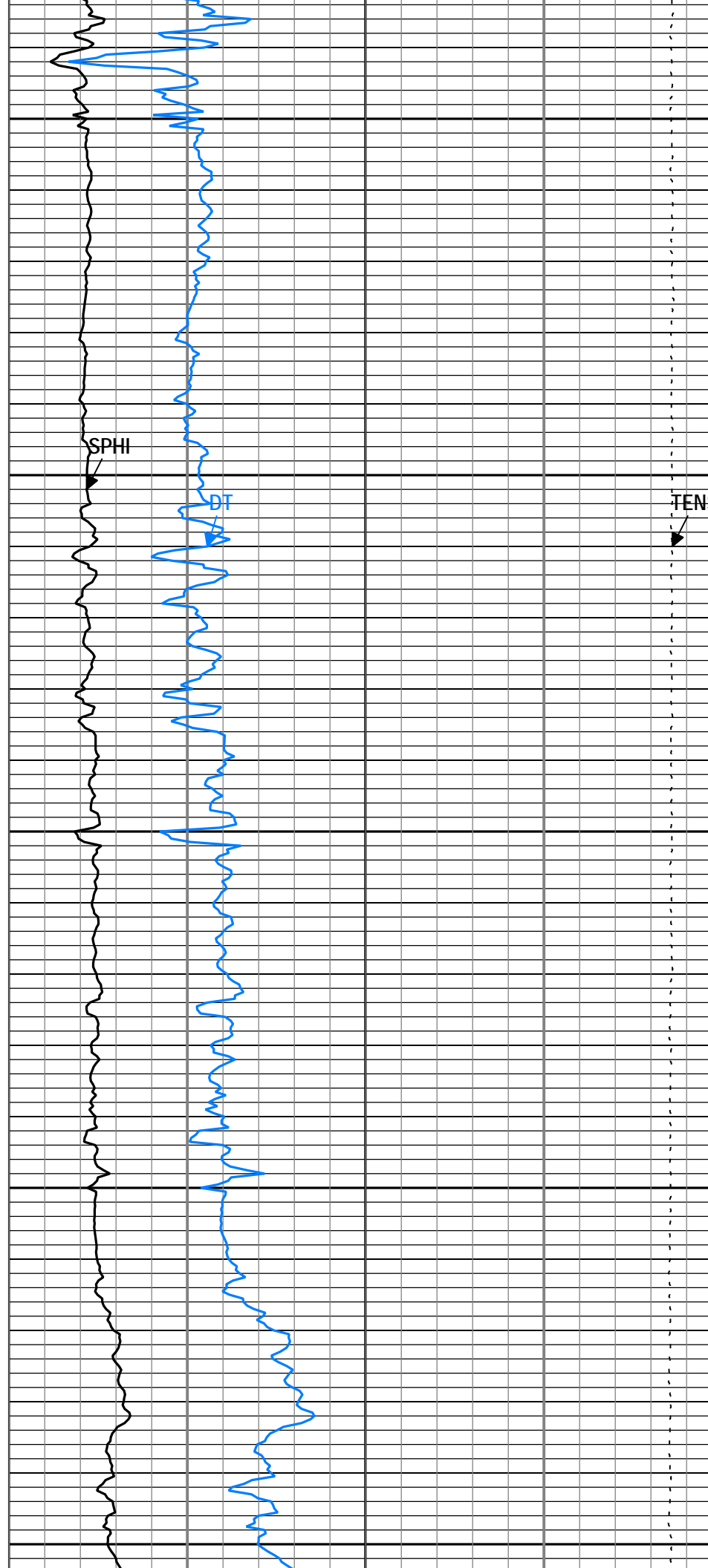
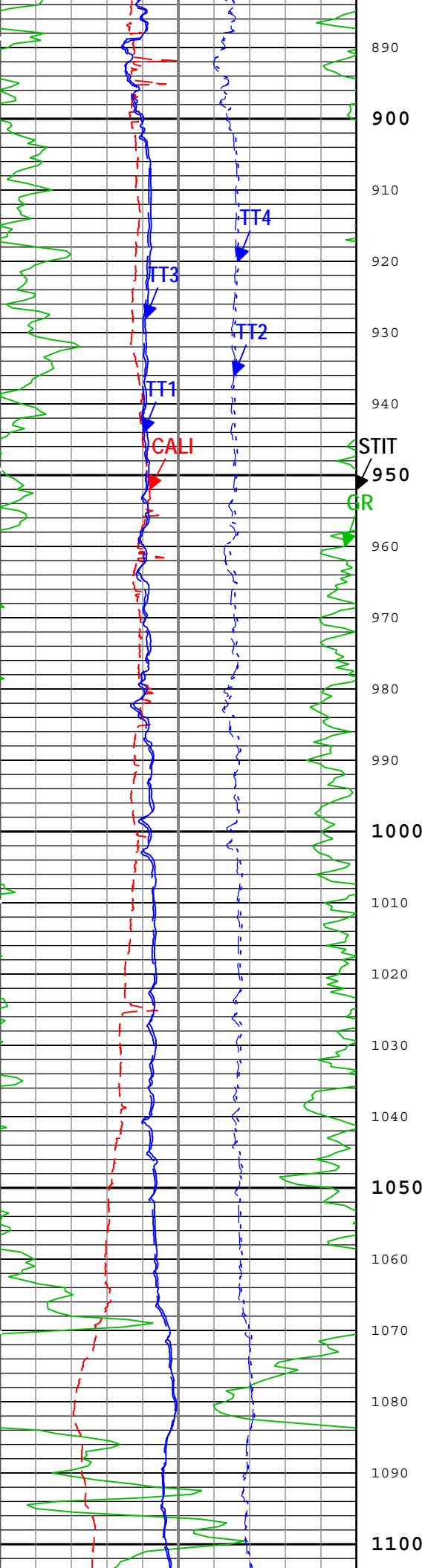
Software Version

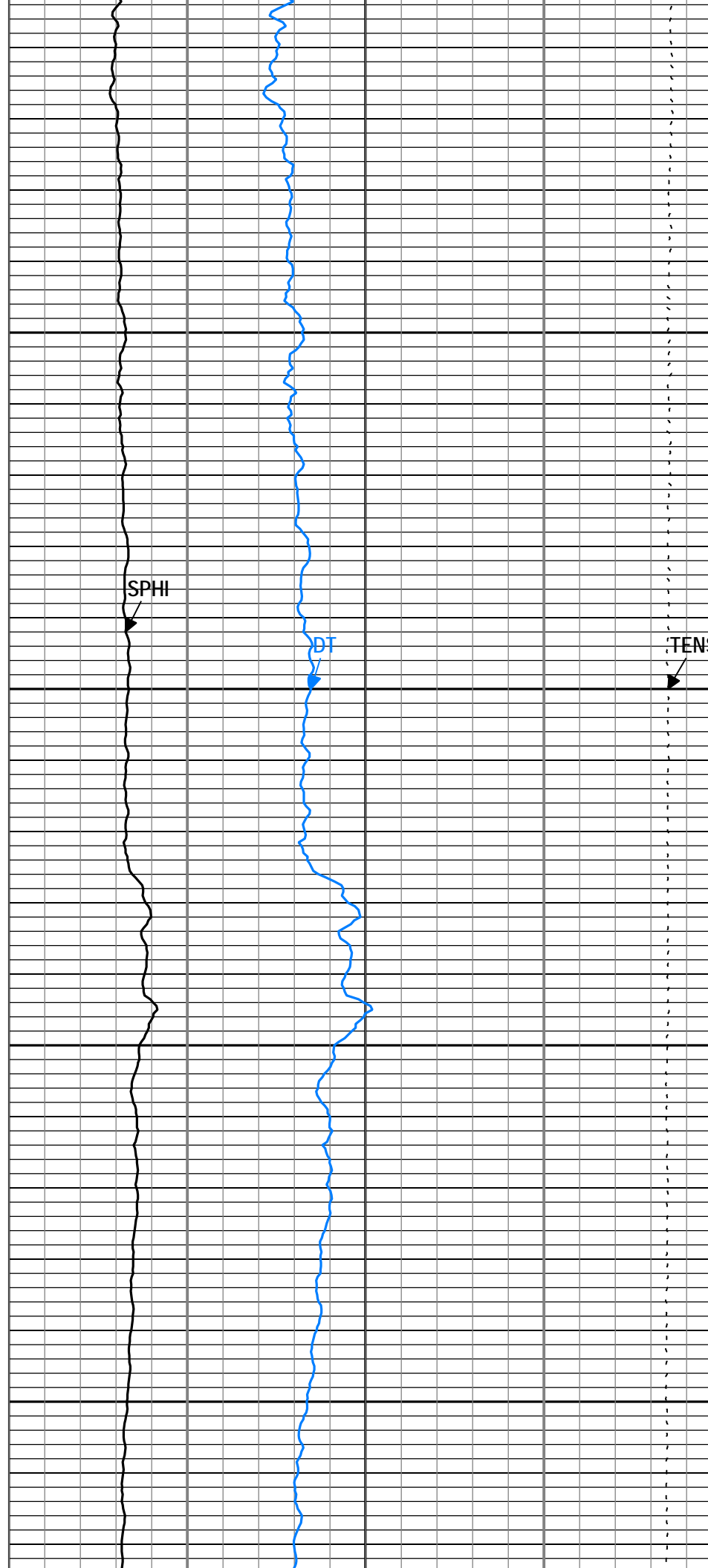
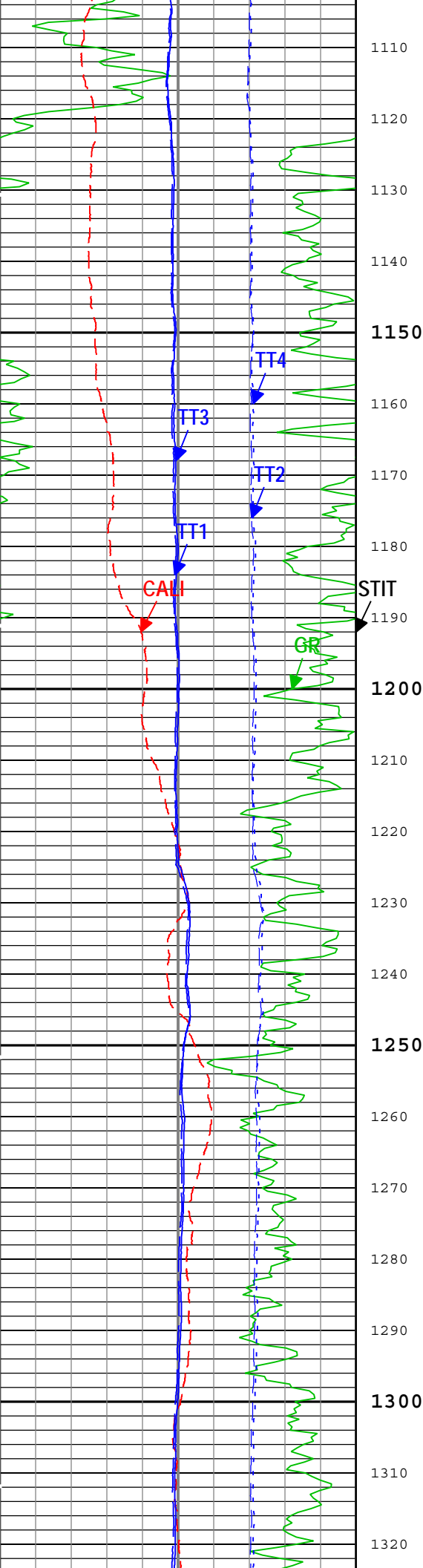
Acquisition System	Version
MaxWell	3.1.9755.0
Application Patch	SP-20120723-3.1.9755.1112
	EXP_APL-MASTAXIS-3.1.9755.1221

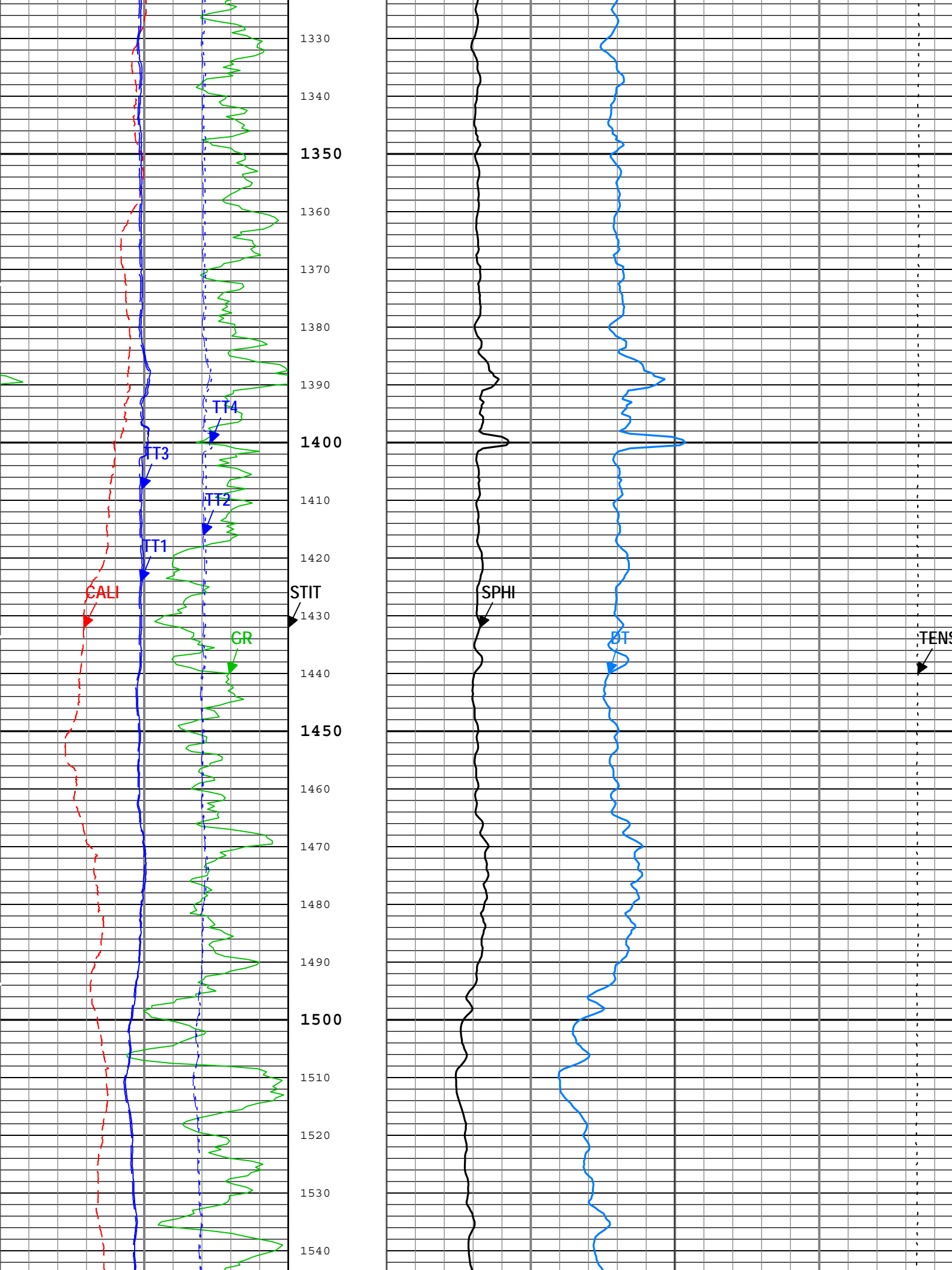
Computation	Description	Version
Sonic Openhole Ensemble	Sonic Openhole Ensemble	3.1.9755.1112
DepthCorrection	DepthCorrection	3.1.9755.0

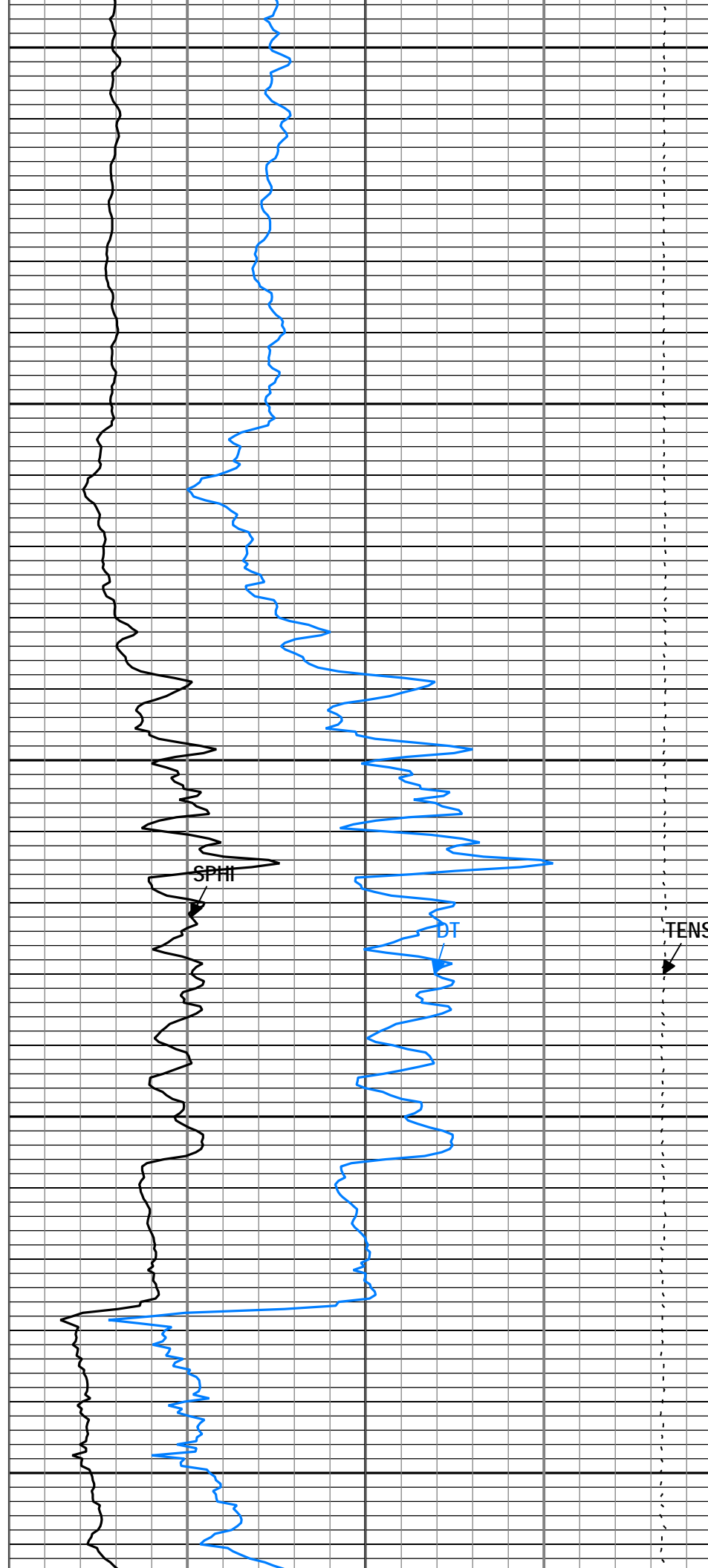
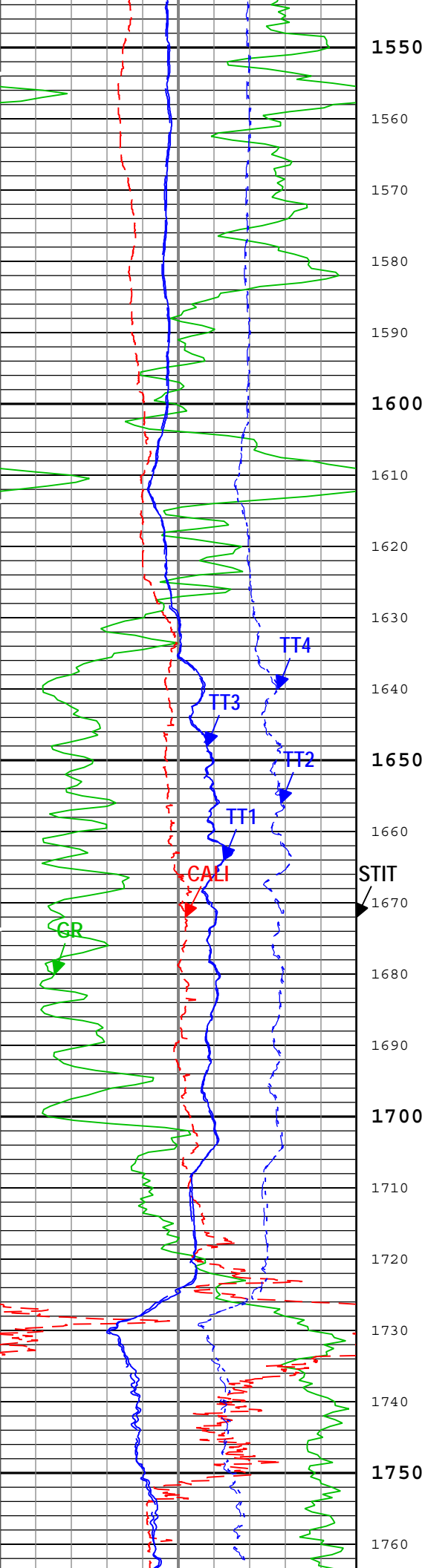


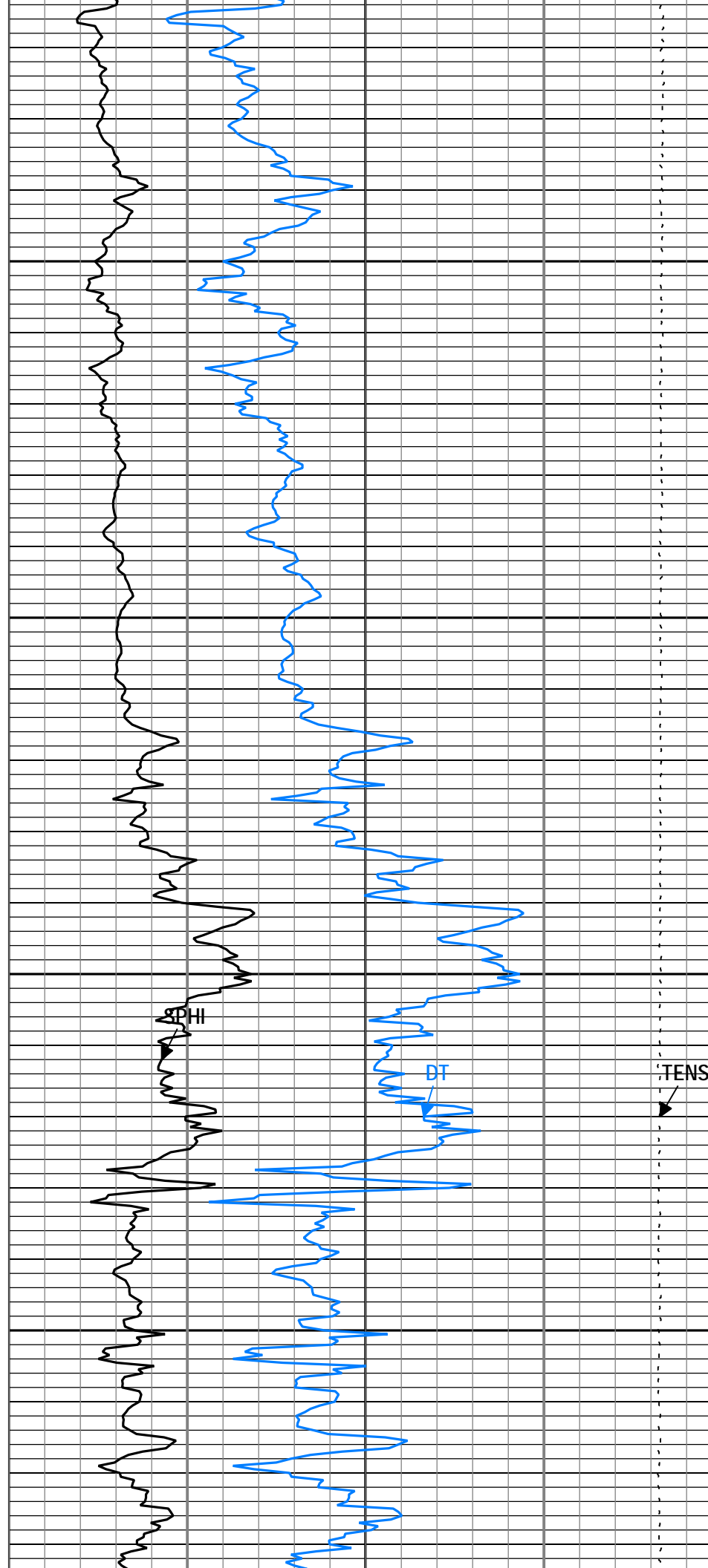
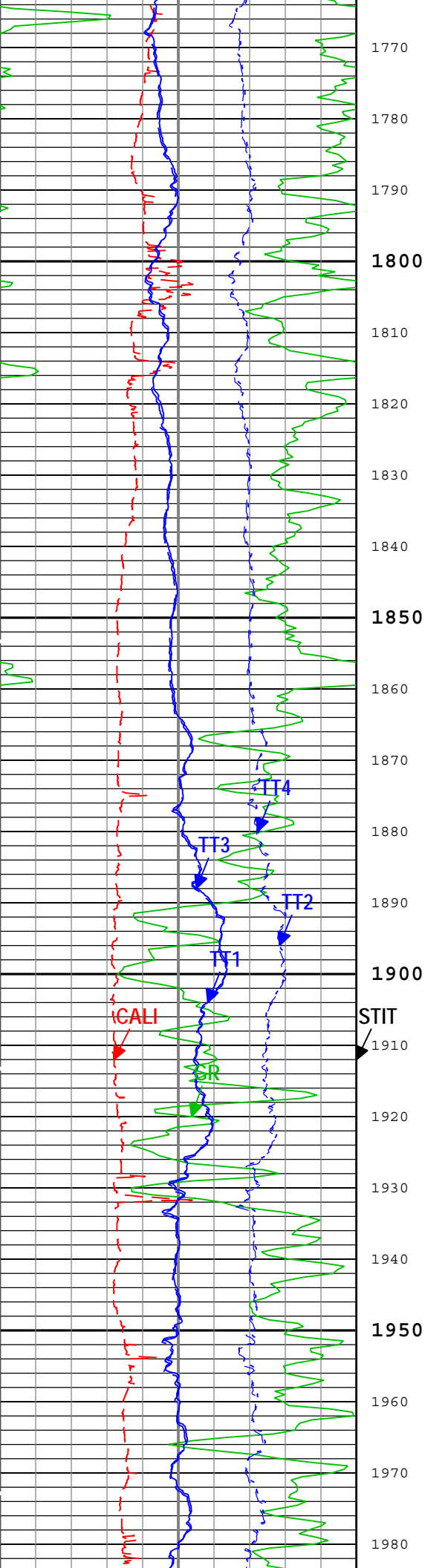


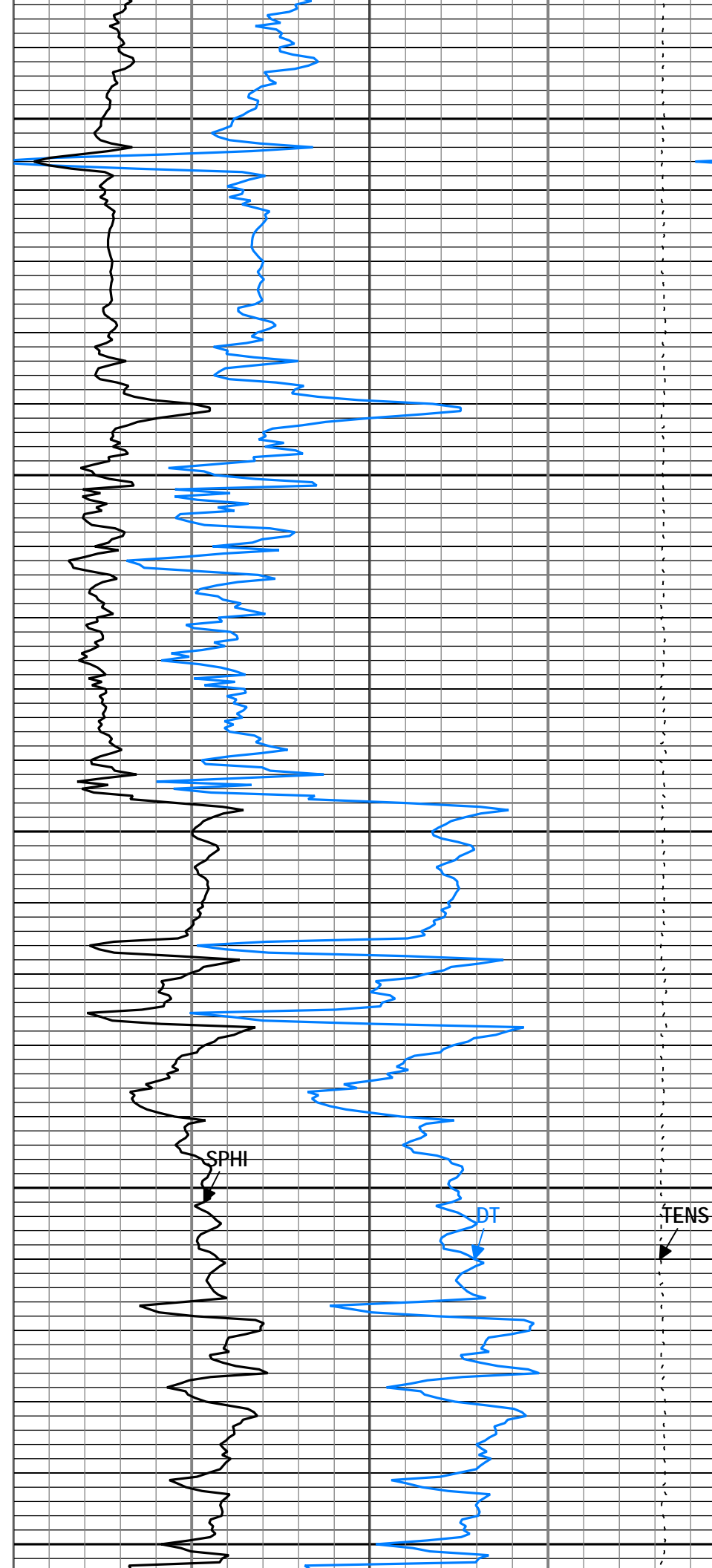
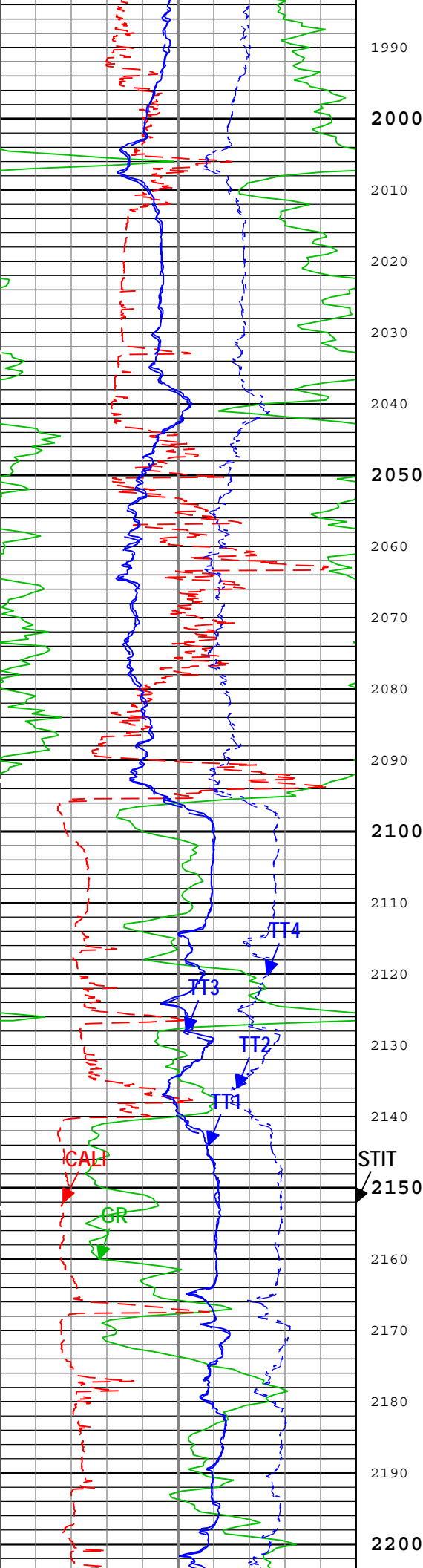


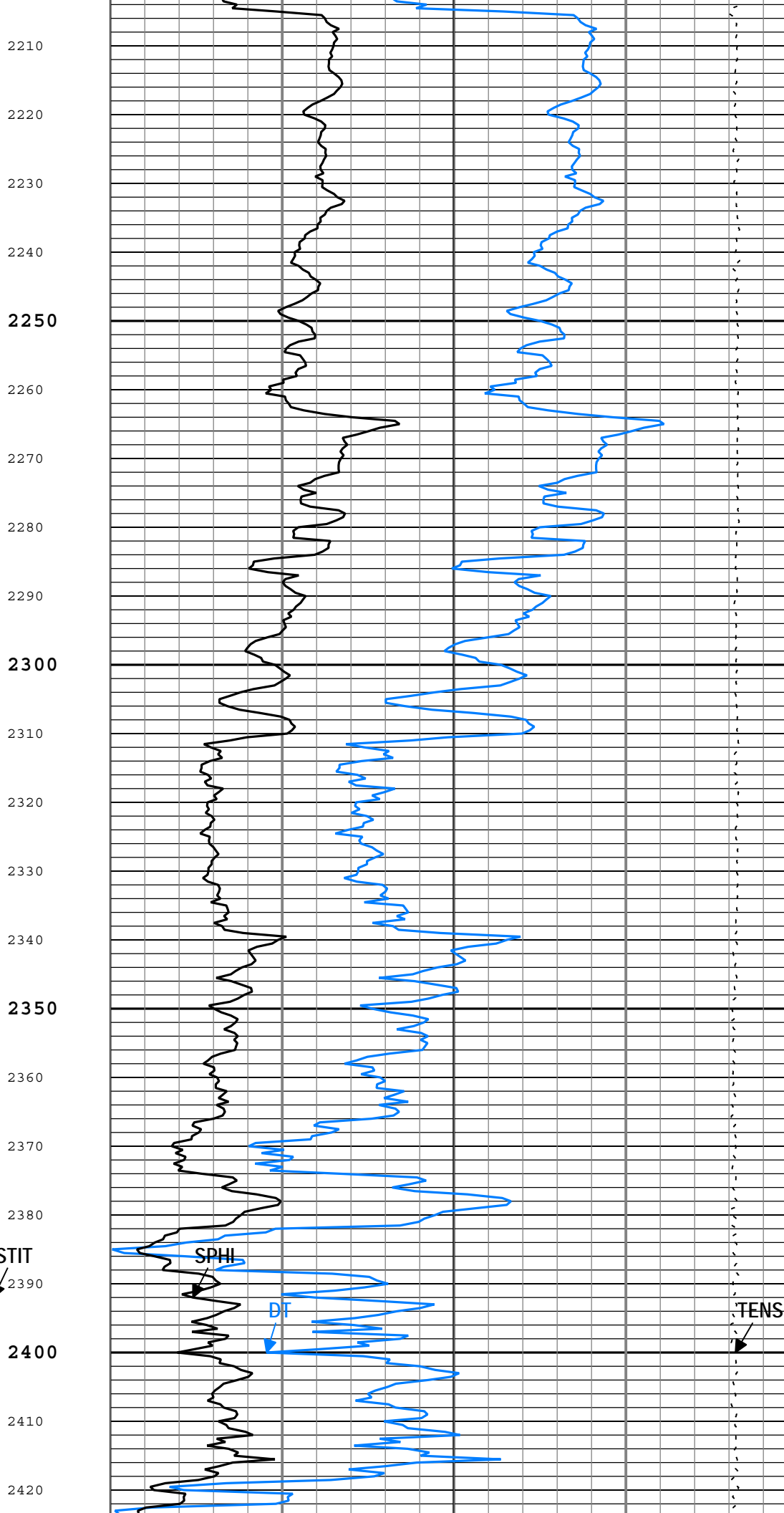
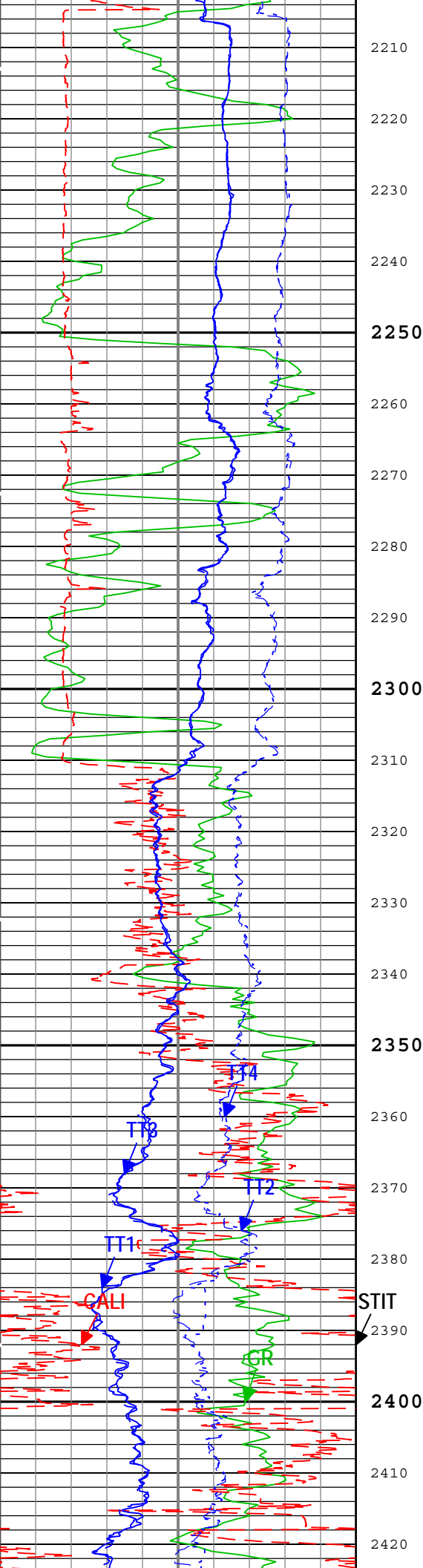


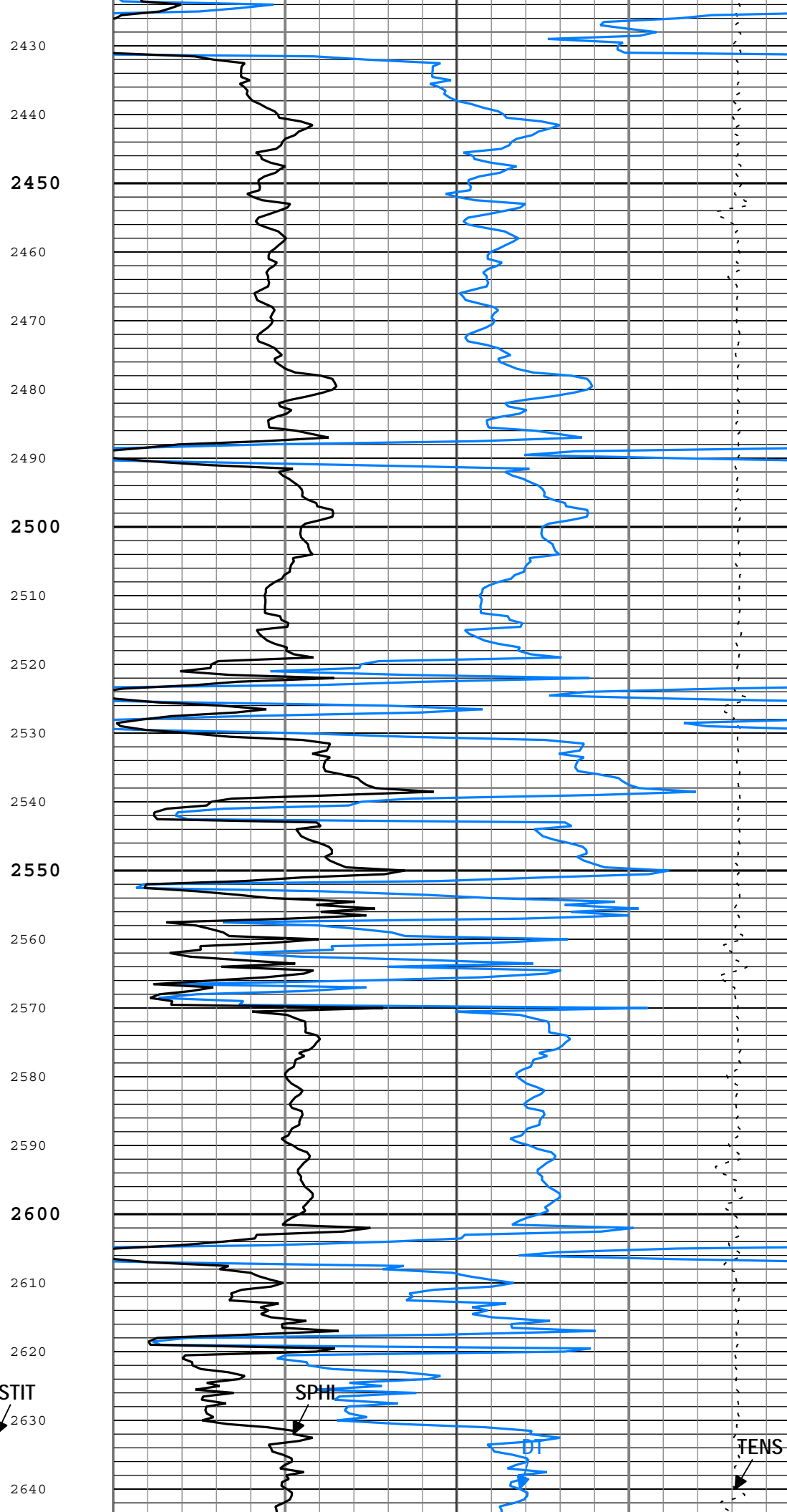
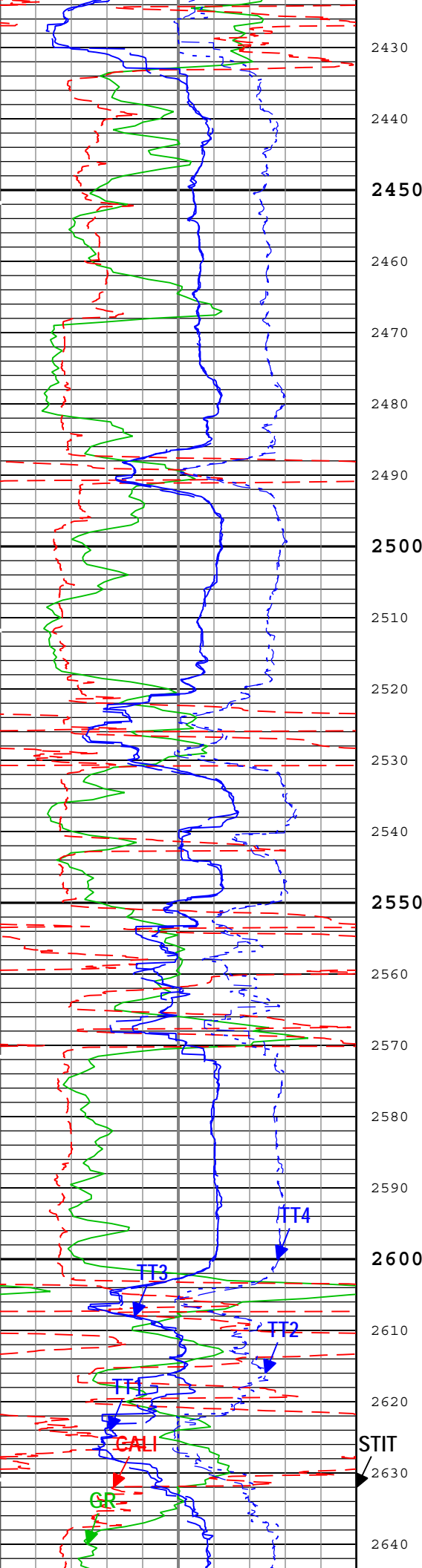


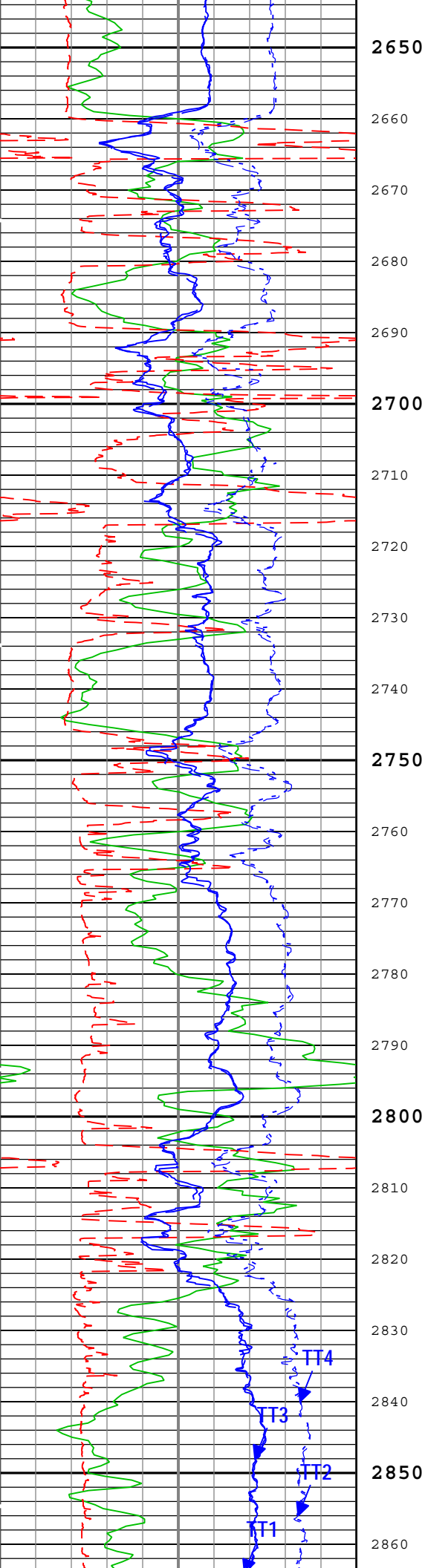












2650

2660

2670

2680

2690

2700

2710

2720

2730

2740

2750

2760

2770

2780

2790

2800

2810

2820

2830

2840

2850

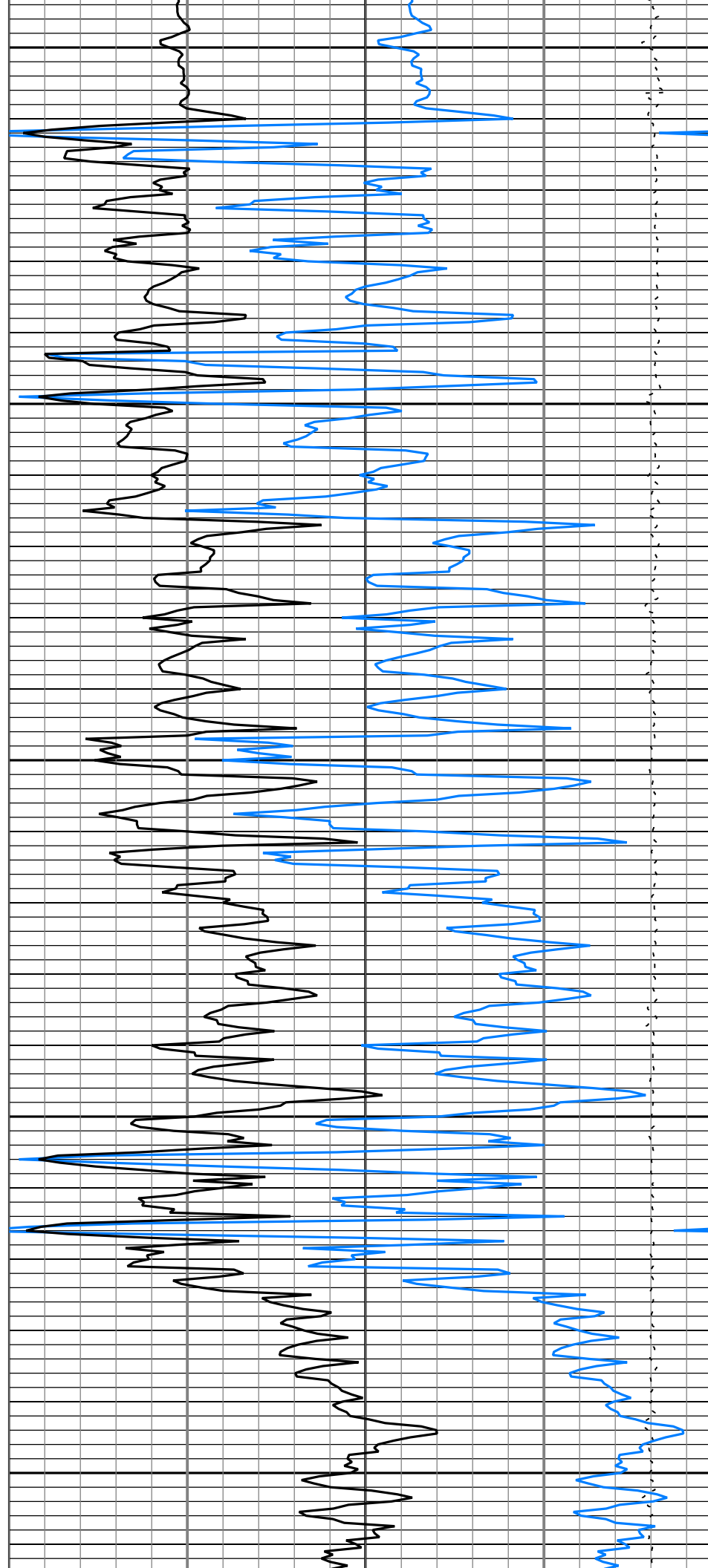
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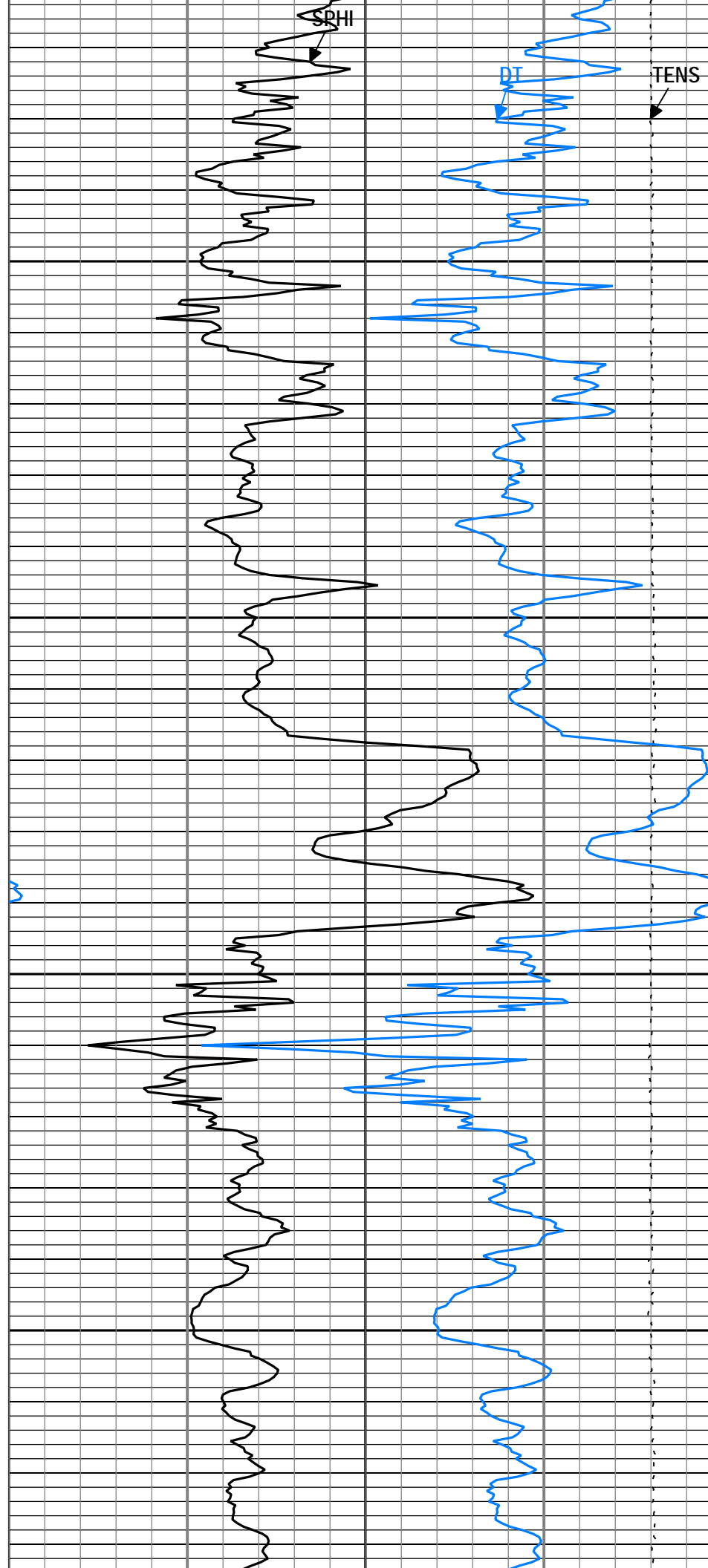
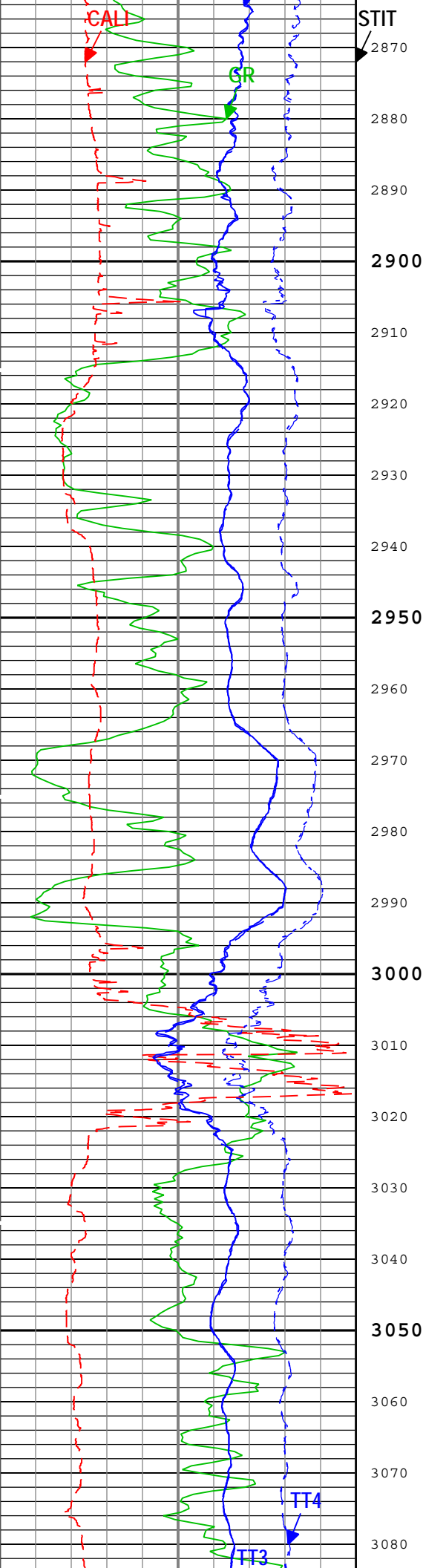
TT4

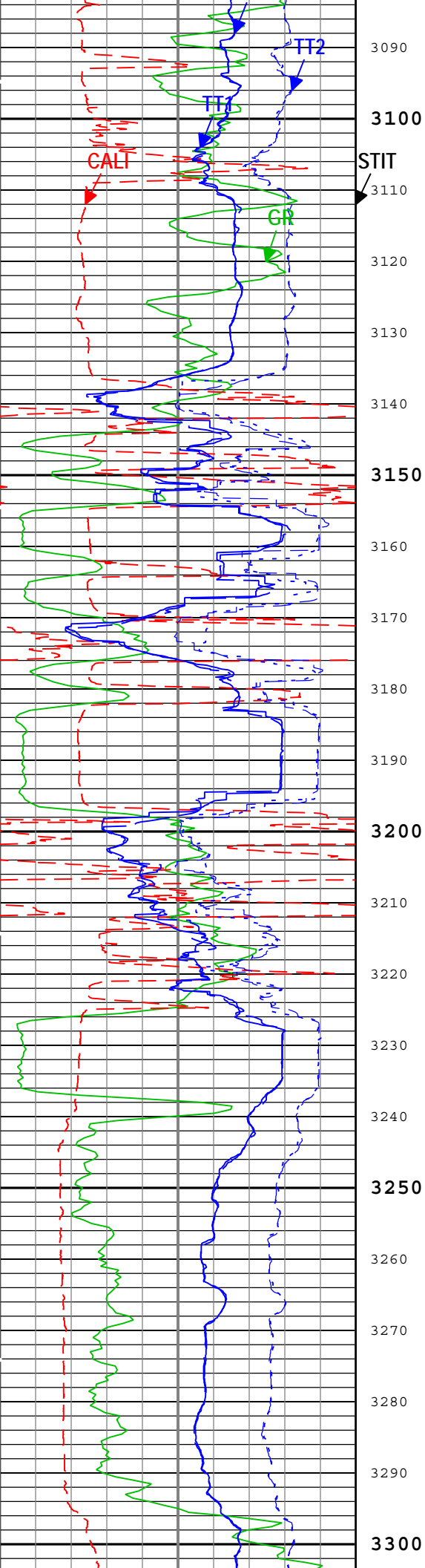
TT3

TT2

TT1







3090
3100
3110
3120
3130
3140
3150
3160
3170
3180
3190
3200
3210
3220
3230
3240
3250
3260
3270
3280
3290
3300

STIT



SPHI

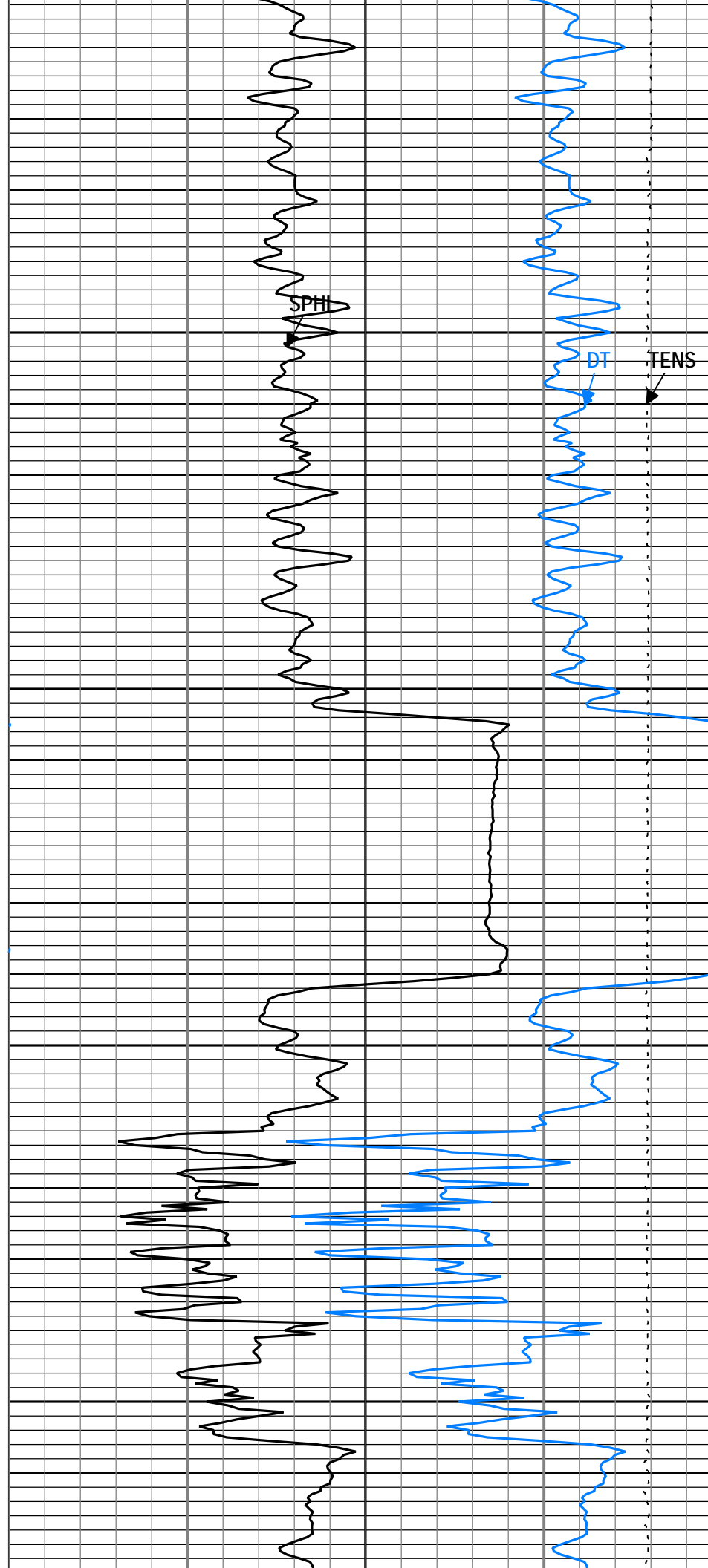
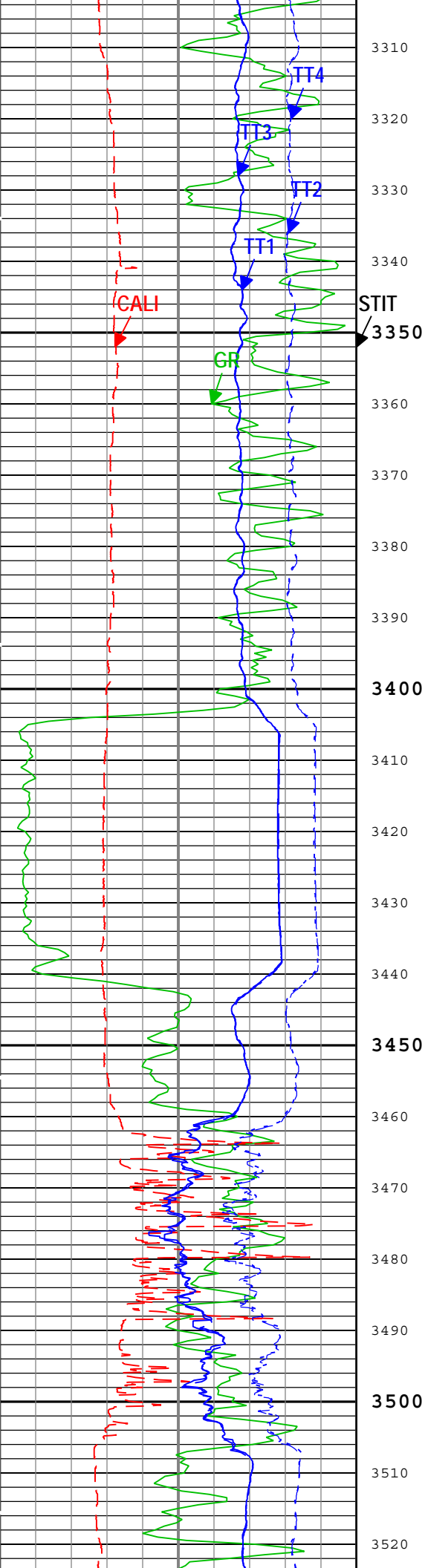


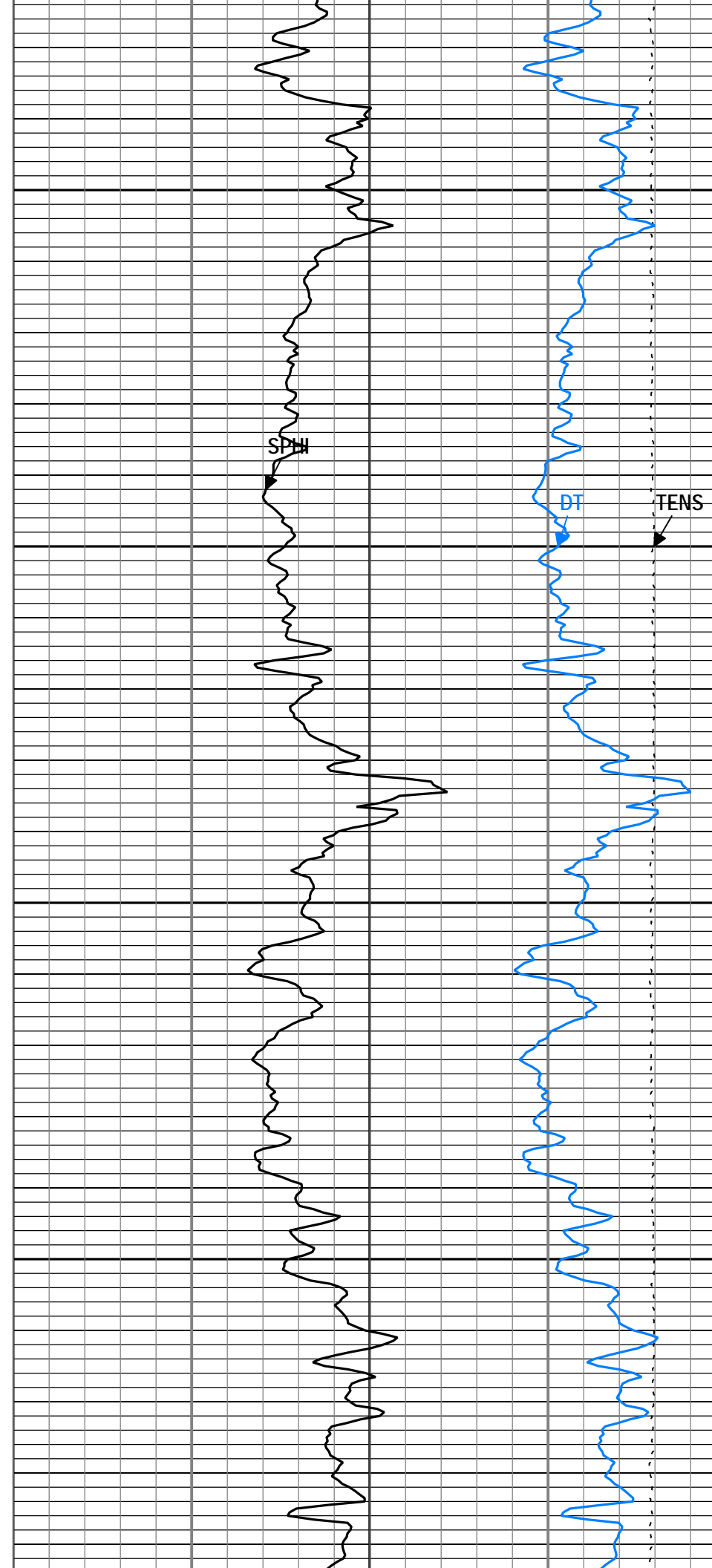
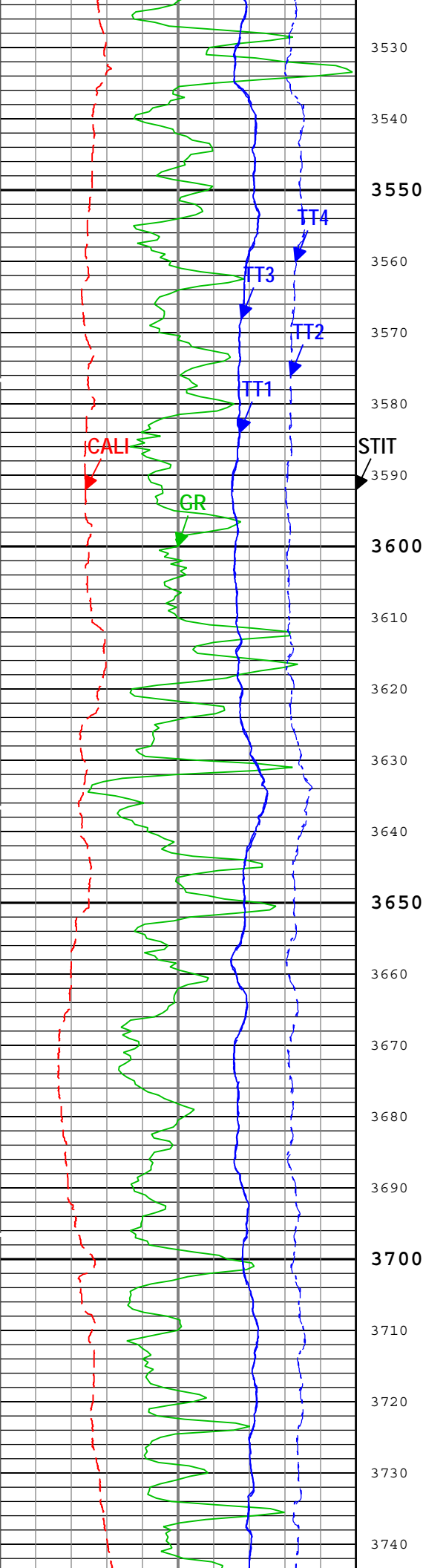
BT

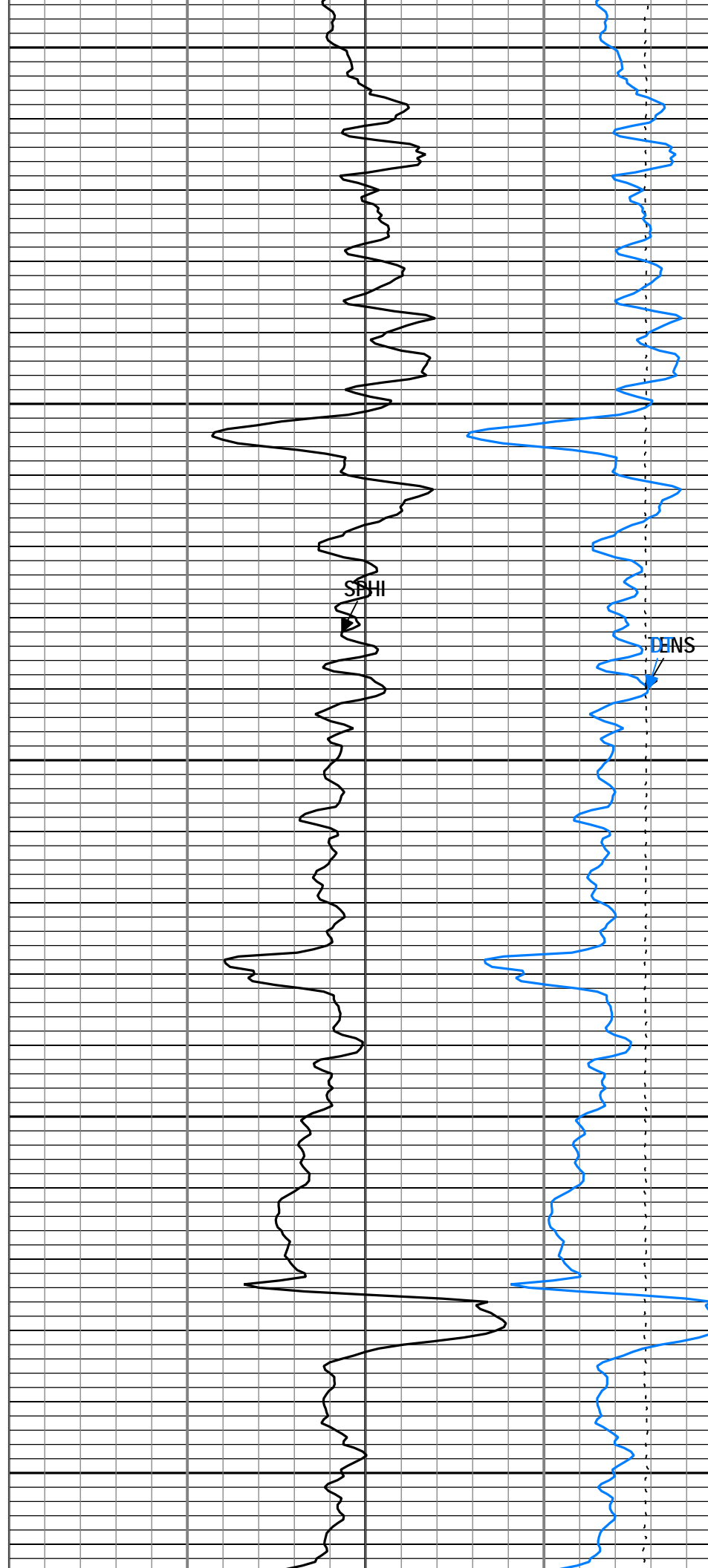
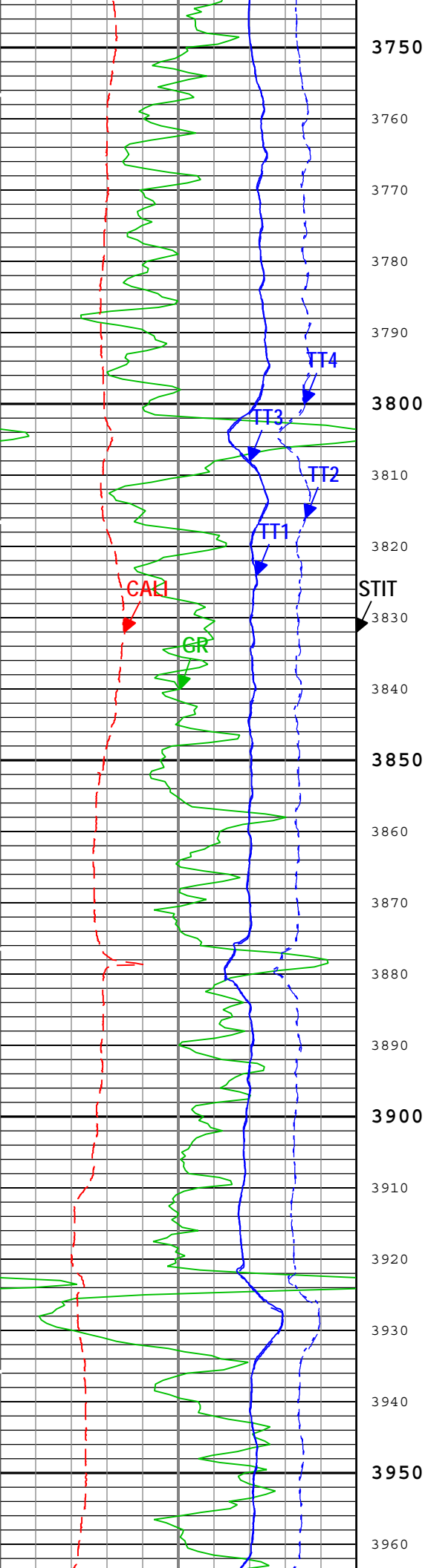


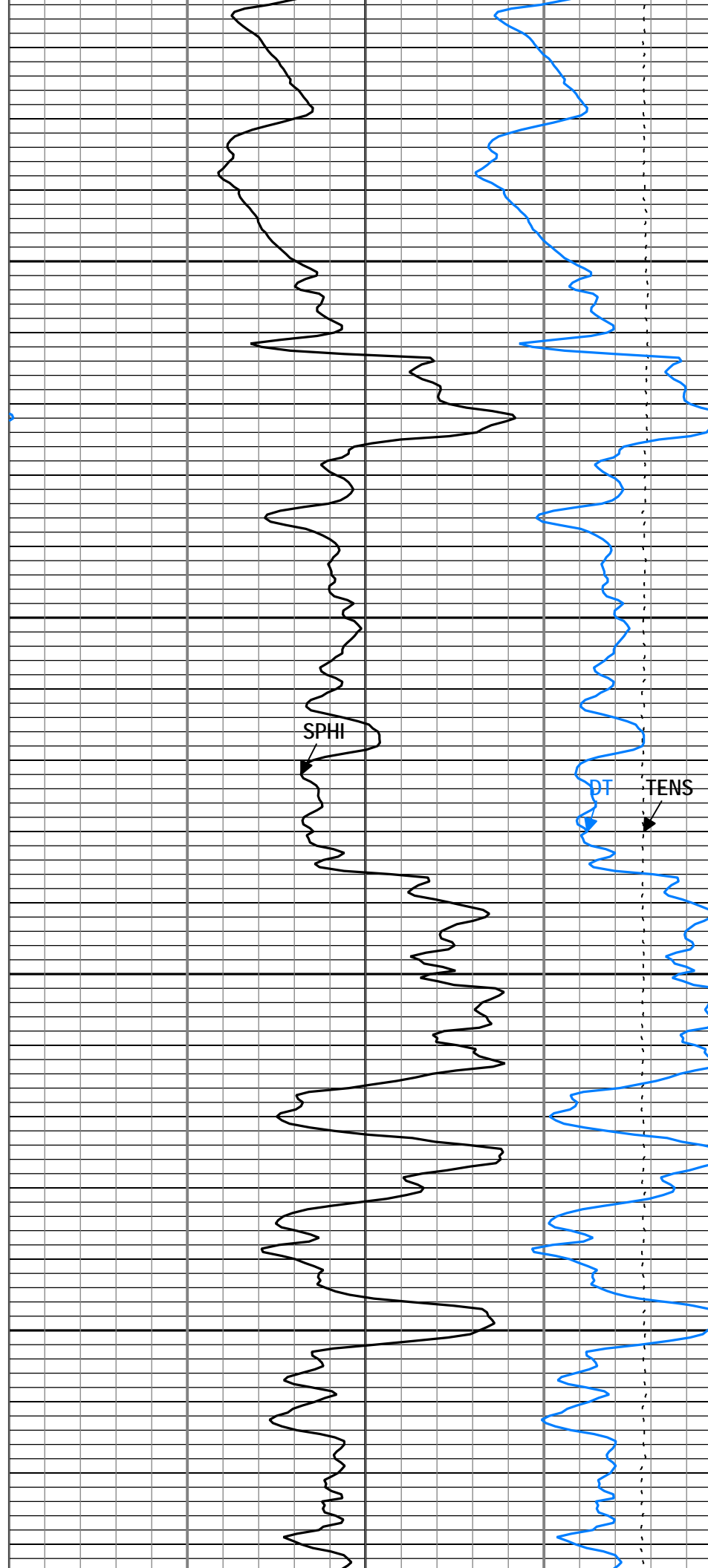
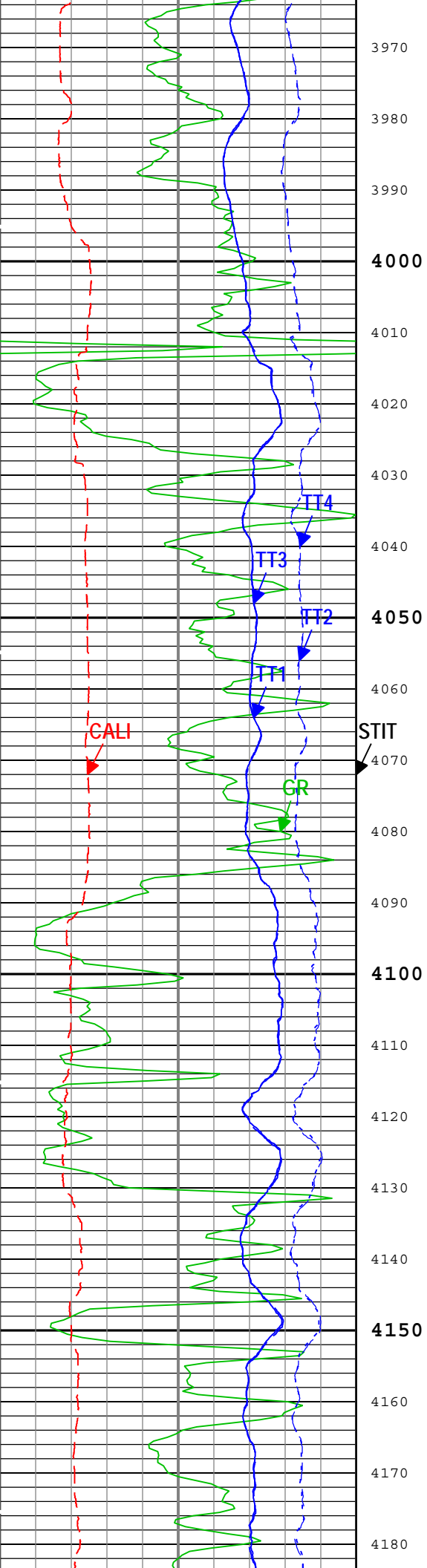
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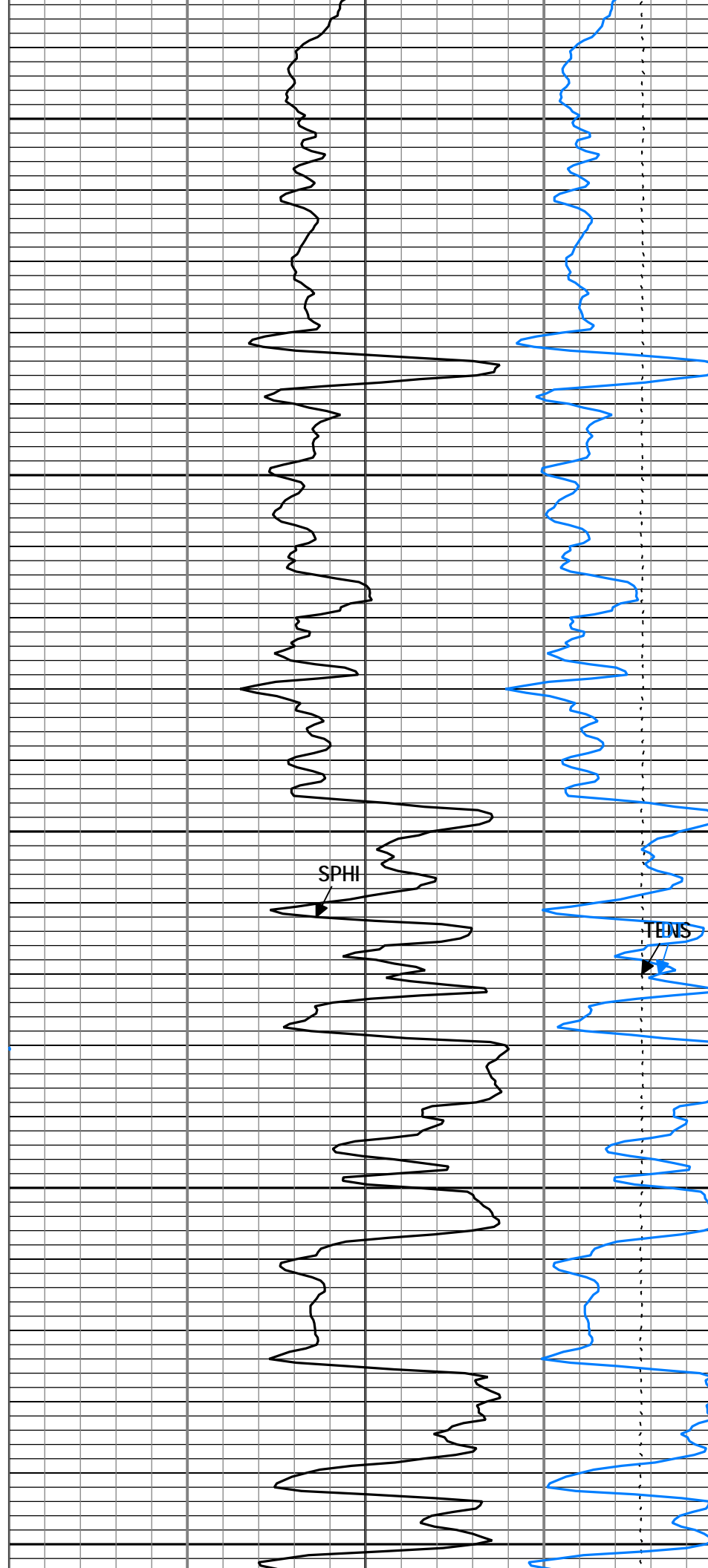
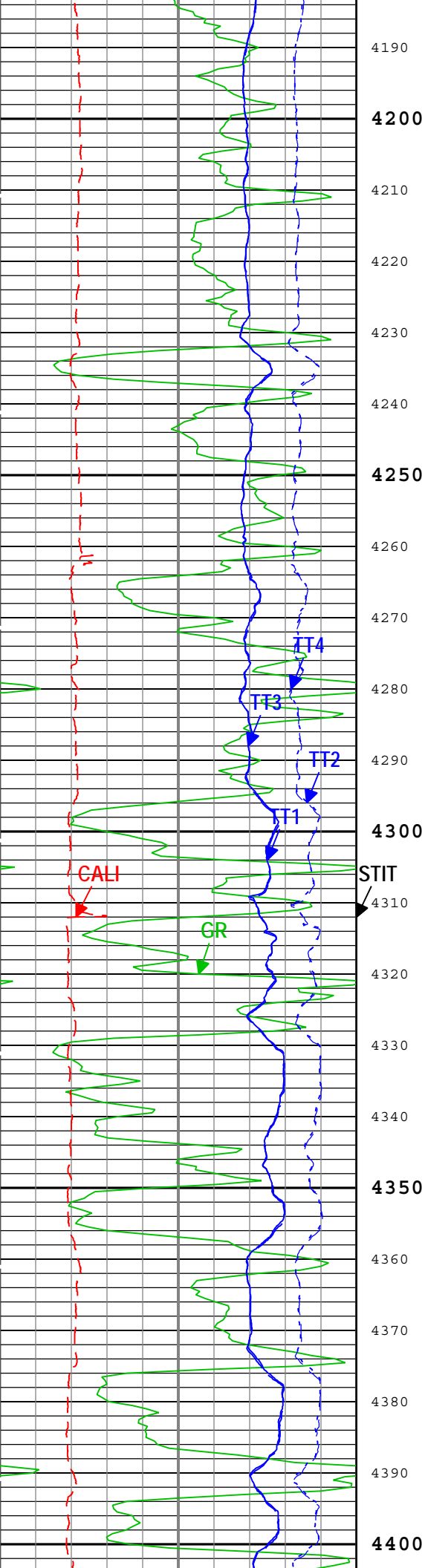


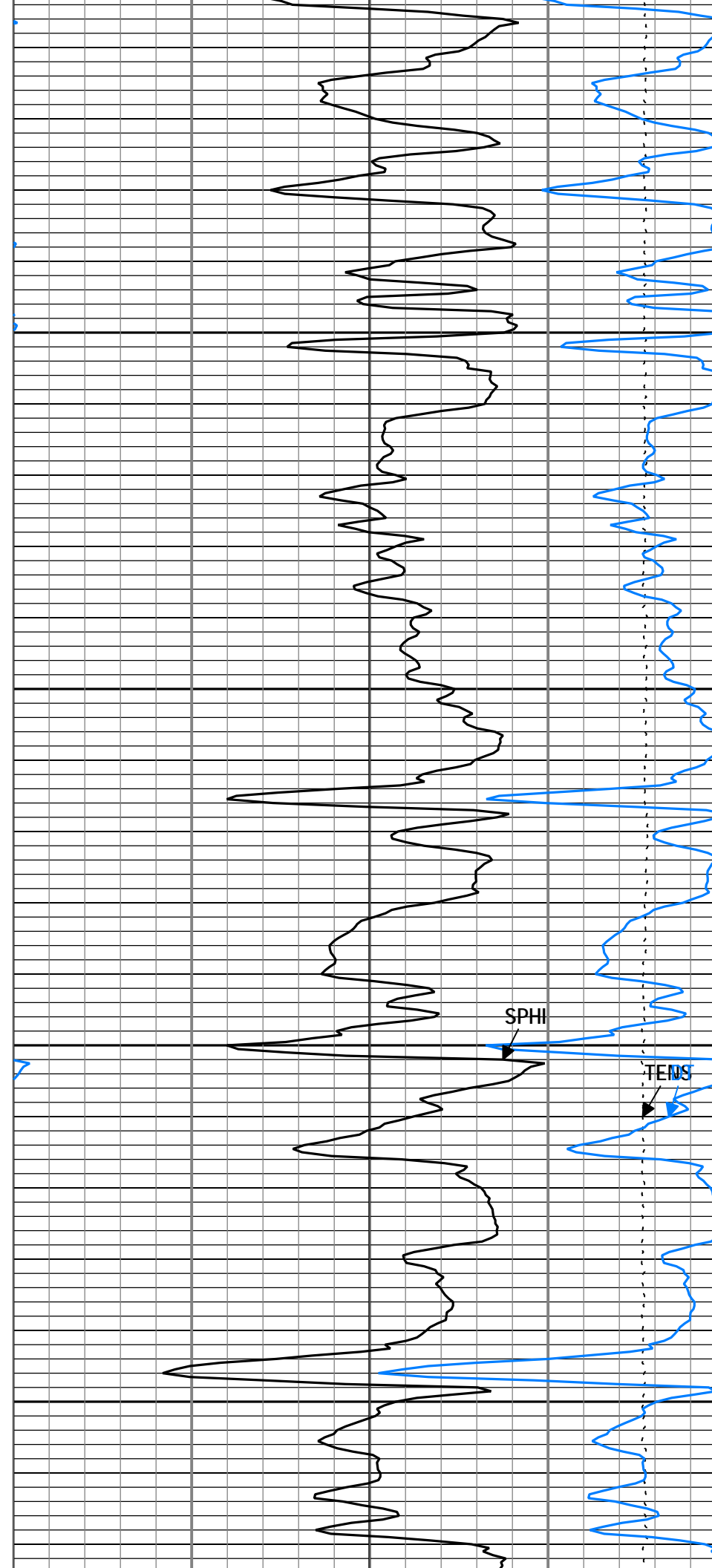
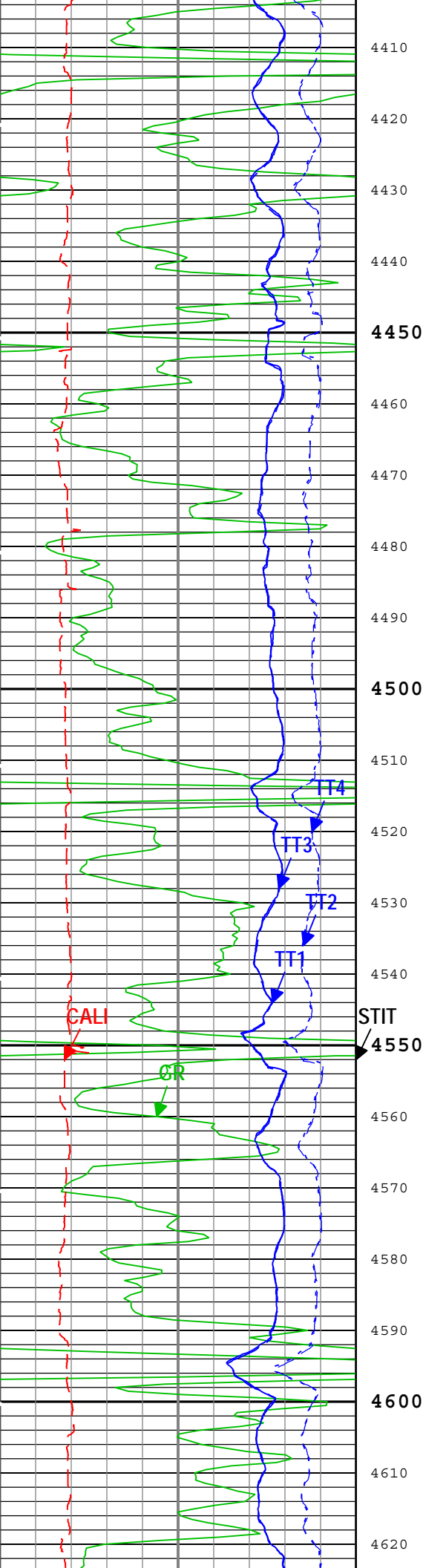


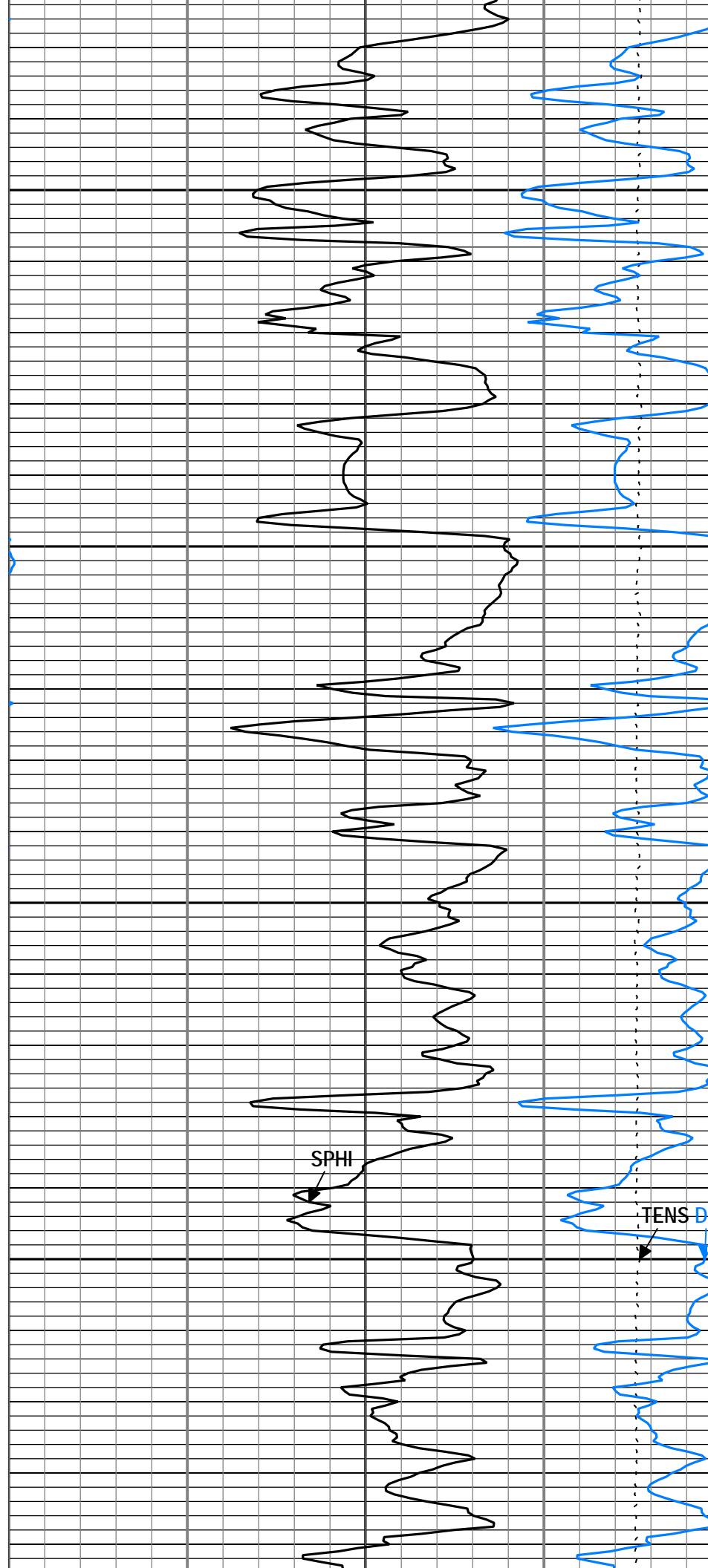
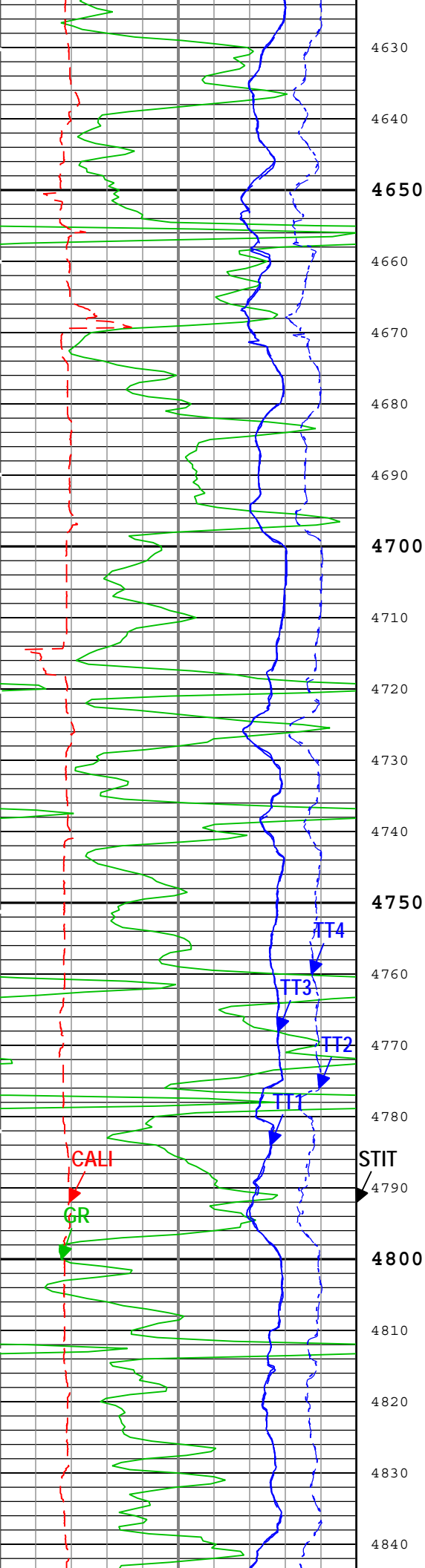


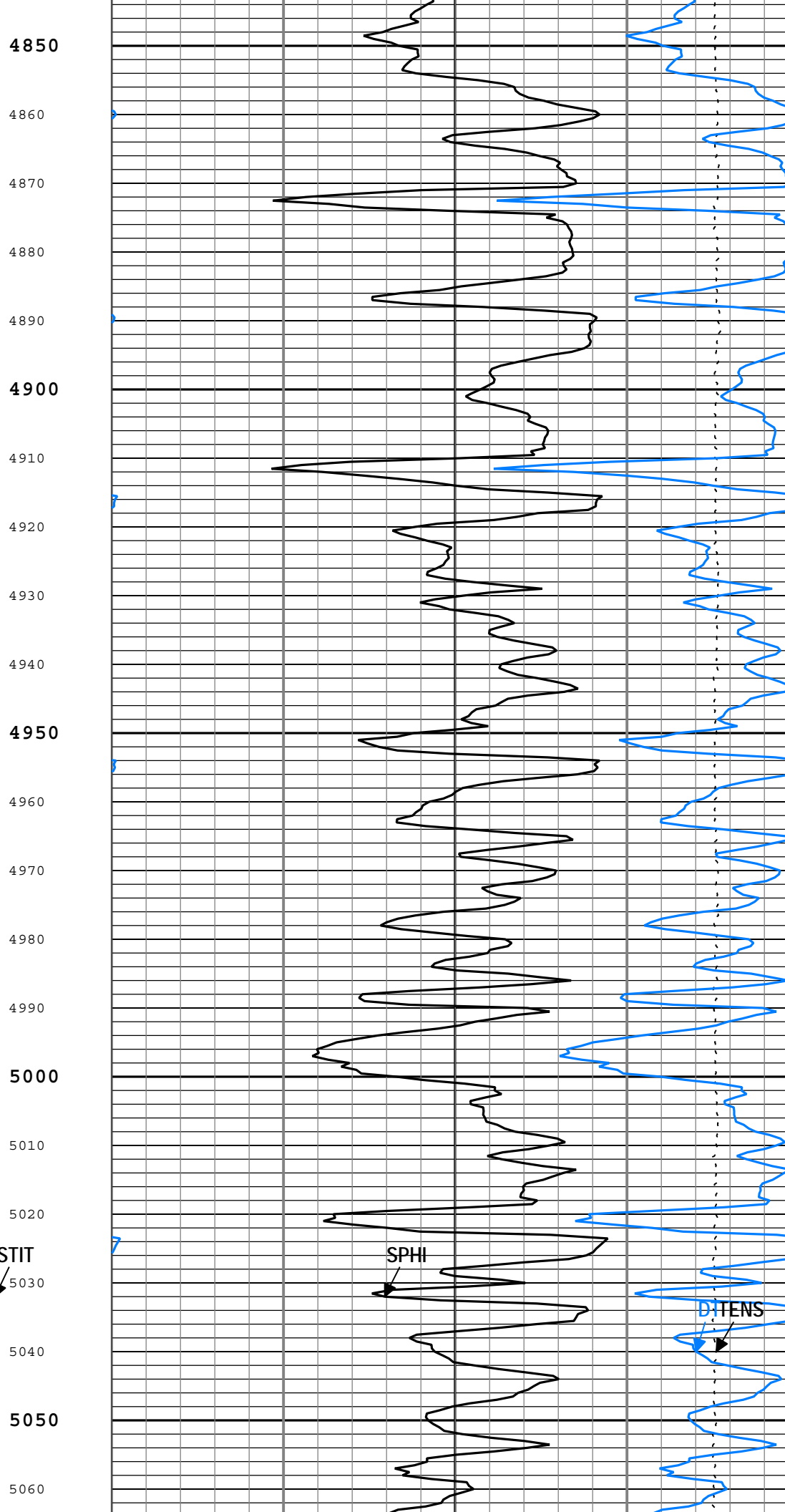
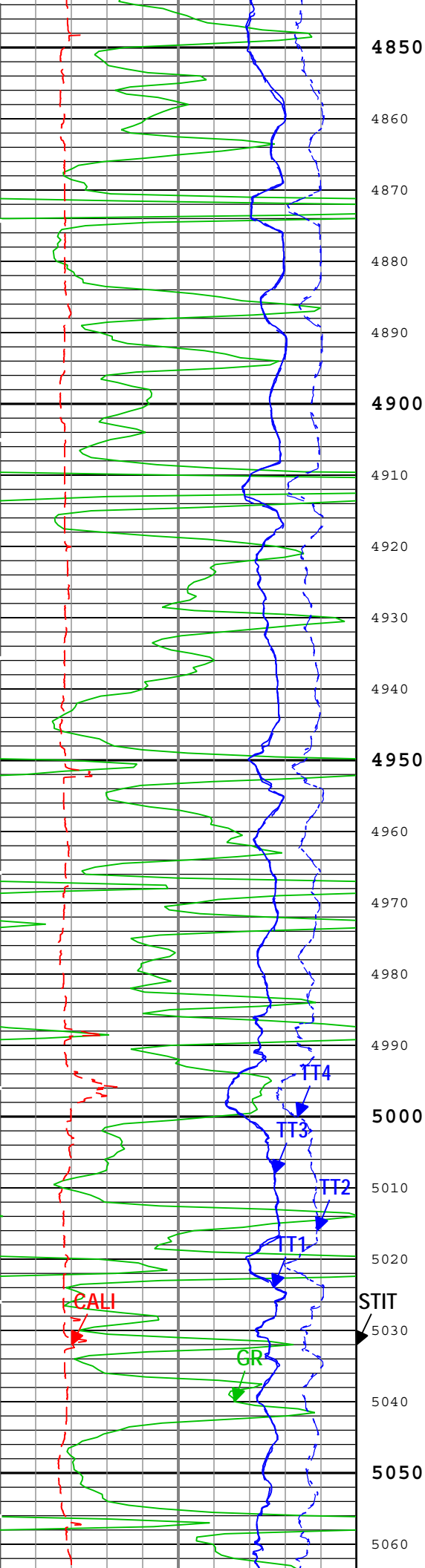


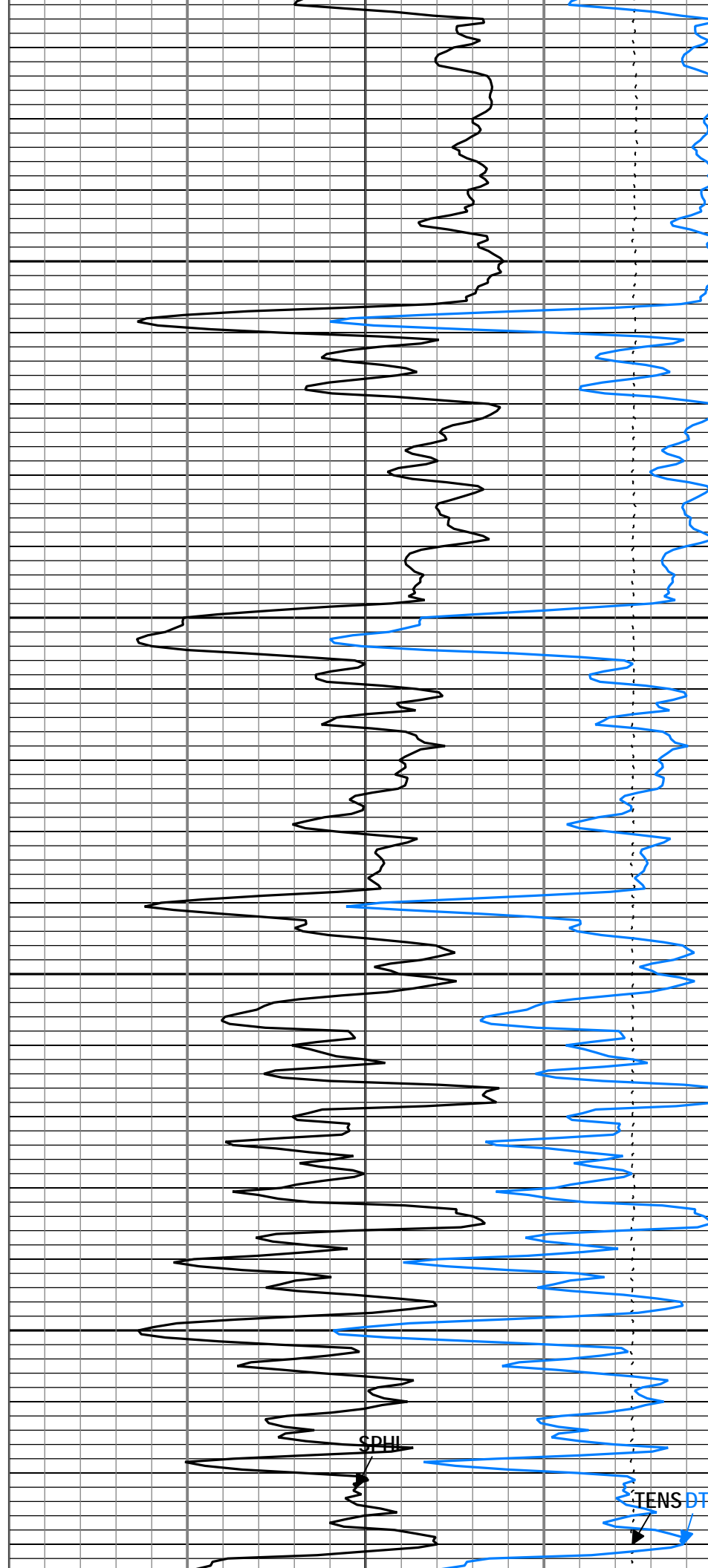
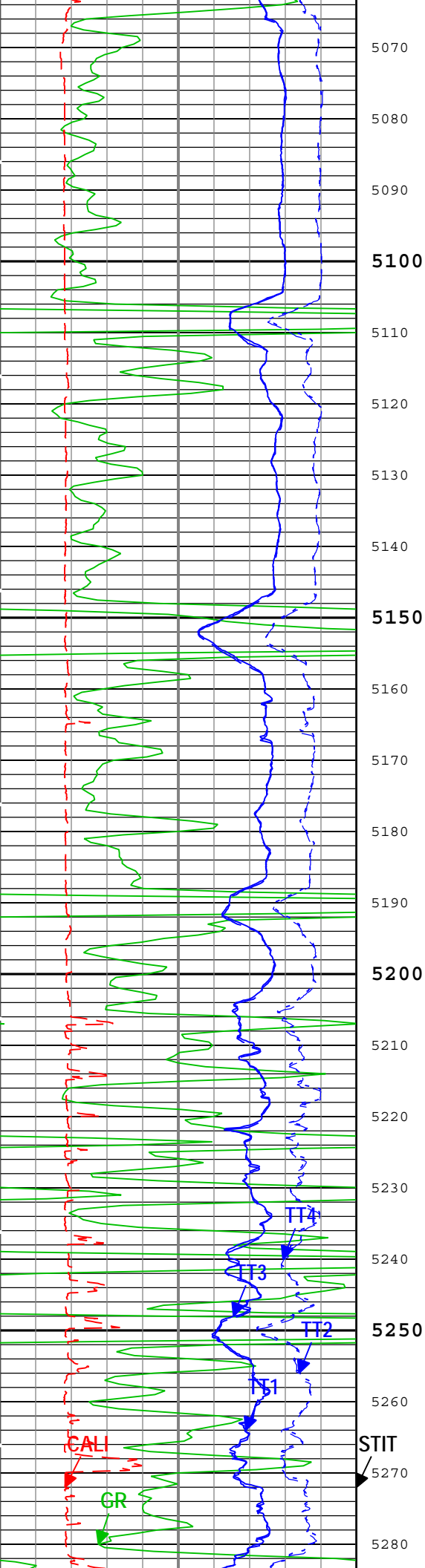


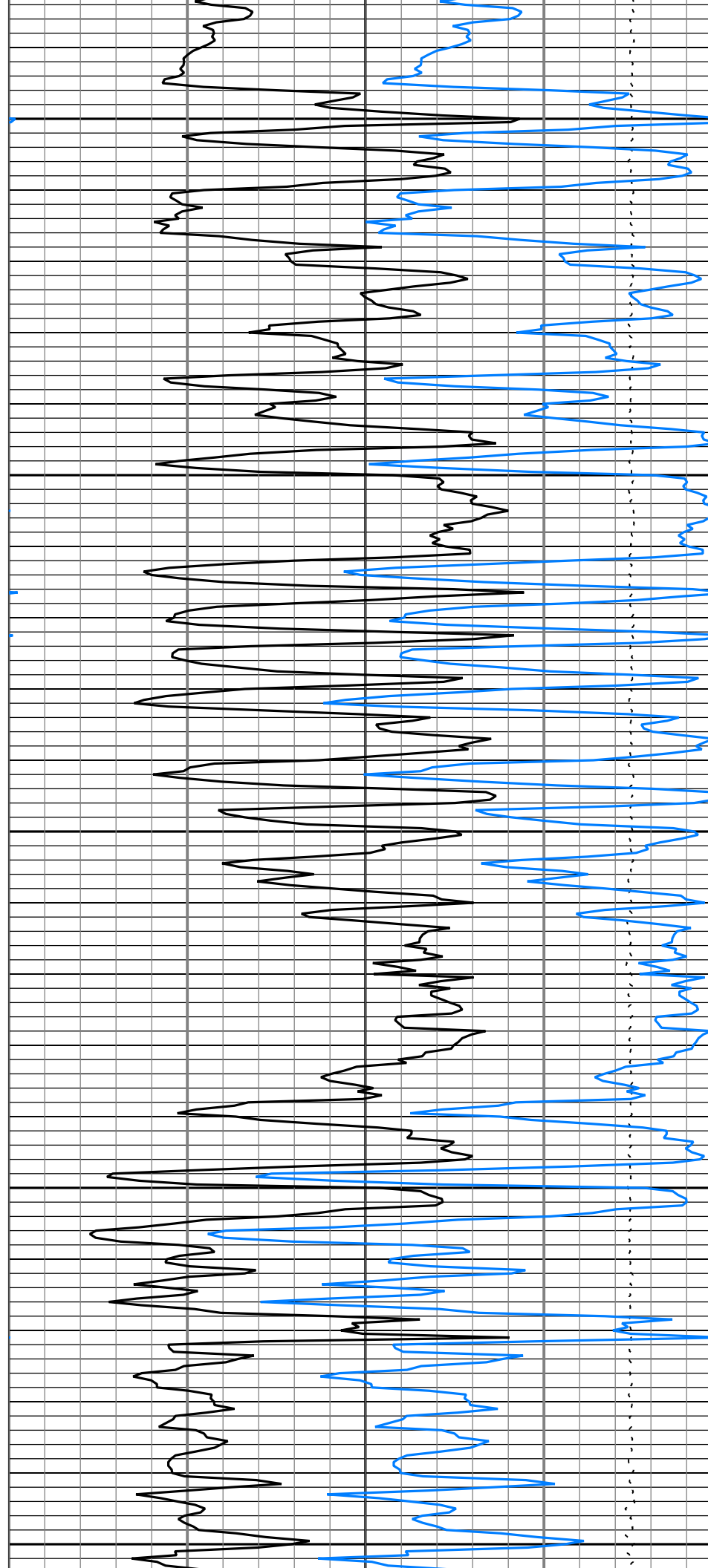
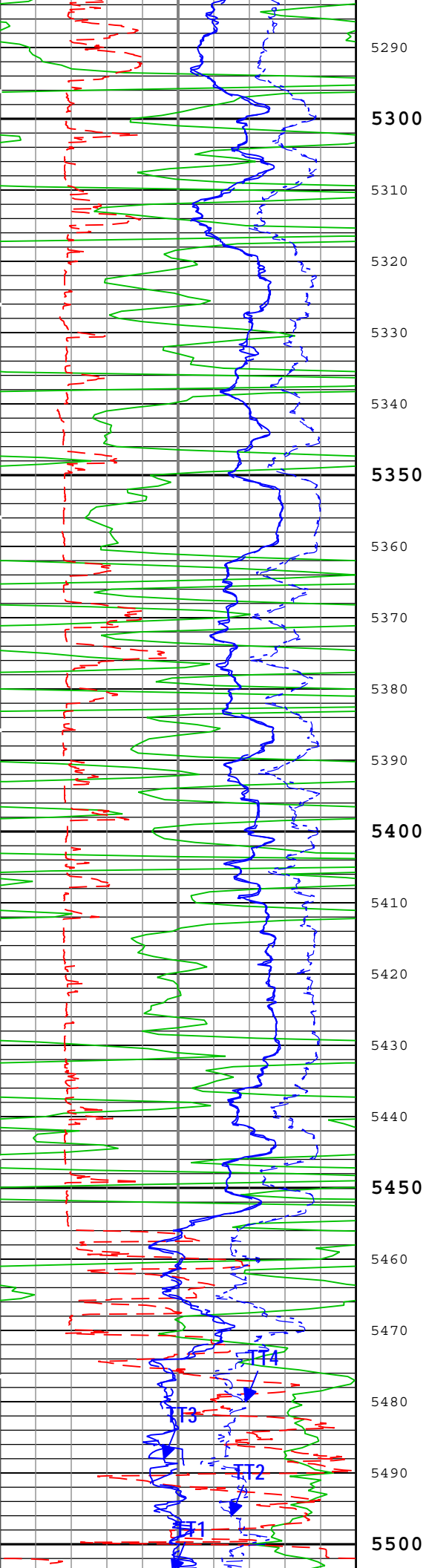


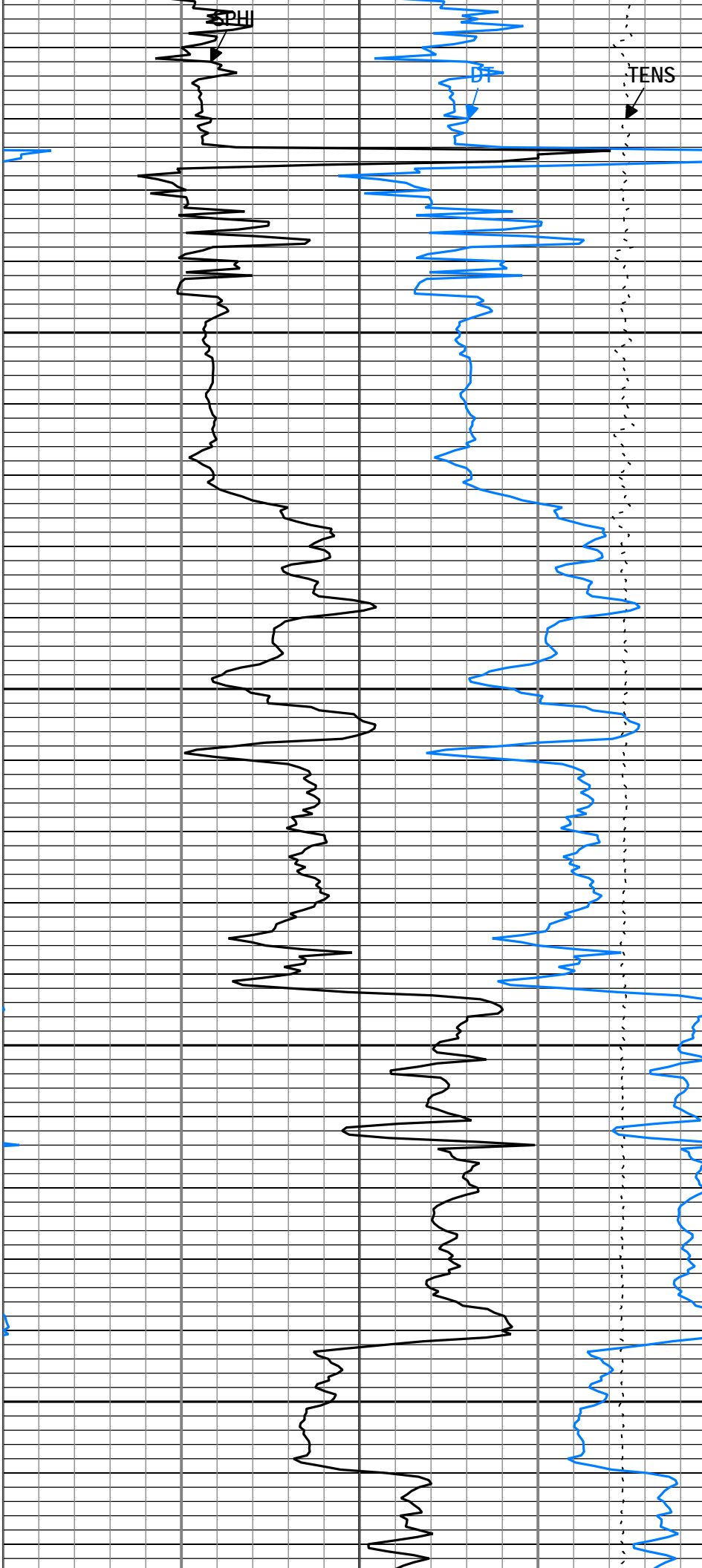
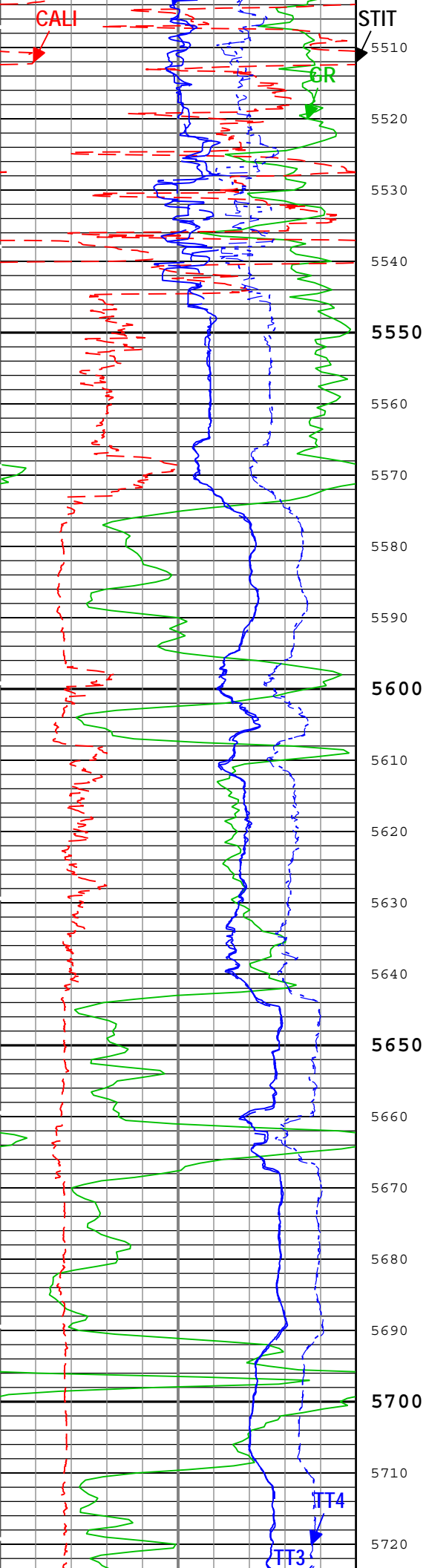


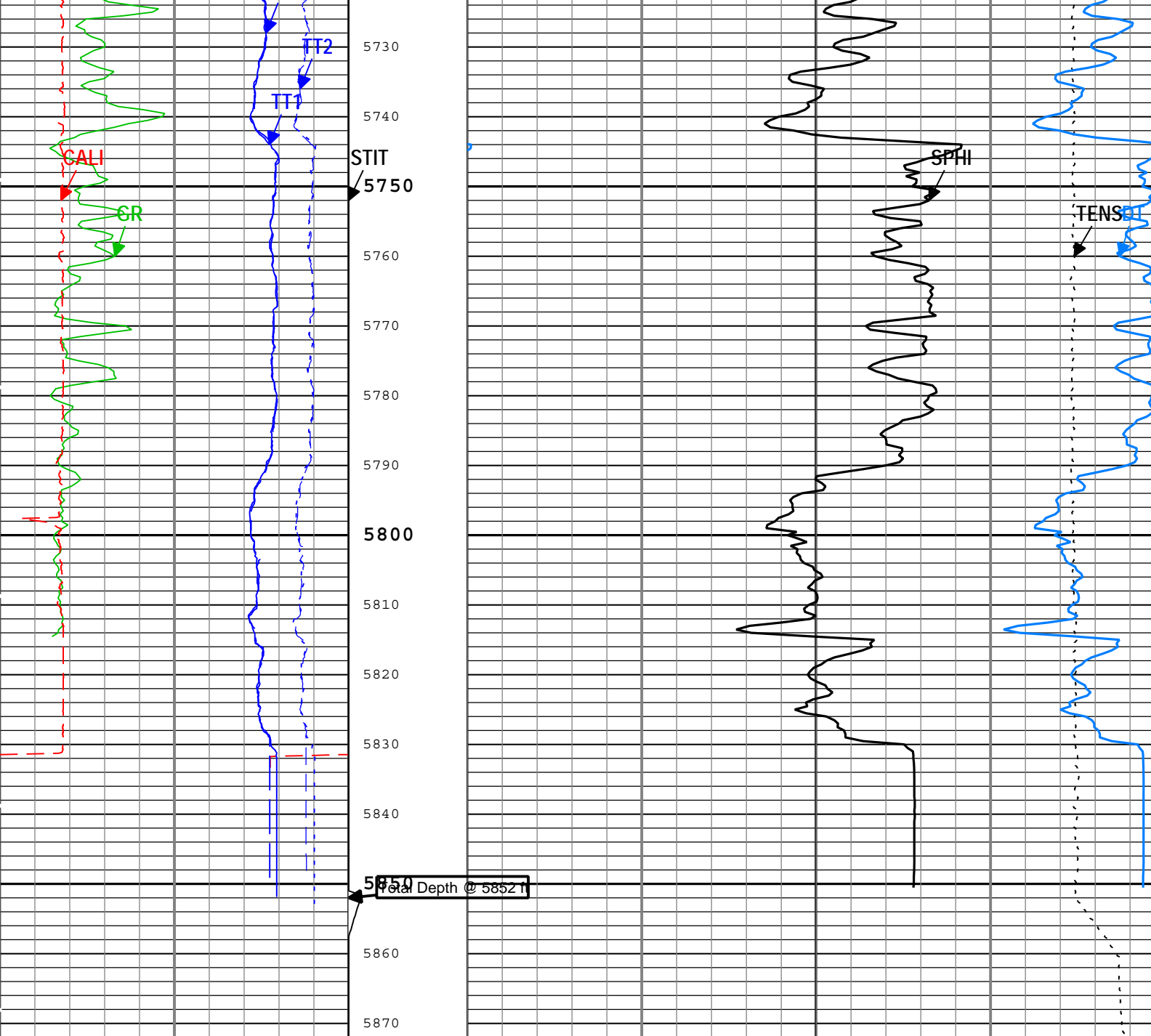












Gamma Ray (GR) HGNS-B			Stuck Tool Indicator, Total (STIT)
0	gAPI	150	
Caliper (CALI) HDRS-B			0 ft 50
6	in	16	
Transit Time 1 (TT1) DSLT-H			Cable Drag
1200	us	200	Tool_Tot. Drag
Transit Time 2 (TT2) DSLT-H			
1200	us	200	
Transit Time 3 (TT3) DSLT-H			
1200	us	200	
Transit Time 4 (TT4) DSLT-H			
1200	us	200	

TIME_1900 - Time Marked every 60.00 (s)


Delta-T (also called Slowness or Interval Transit Time) (DT) DSLT-H		
150	us/ft	5
Sonic Porosity (SPHI) DSLT-H		
0.45	ft3/ft3	-0.1
Cable Tension (TENS)		
10000	lbf	

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
CDTS	Correction for Delta-T Shale, Empirical	Borehole	100	us/ft
DC_MODE	Depth Correction Mode	DepthCorrection	Real-time	
DETE	Delta-T Detection	DSLTH	E2	
DFD	Drilling Fluid Density	Borehole	9.2	lbm/gal
DTCM	Delta-T Computation Mode	DSLTH	Full	
DTF	Delta-T Fluid	Borehole	189	us/ft
DTM	Delta-T Matrix	Borehole	47.5	us/ft
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	
MAHTR	Manual High Threshold Reference for first arrival detection	DSLTH	120	
MNHTR	Minimum High Threshold Reference for first arrival detection	DSLTH	100	
NMSG	Near Minimum Sliding Gate	DSLTH	140	us
SGAD	Sliding Gate Status	DSLTH	On	
SOCO	Standoff Correction Option	HGNS-B	Yes	
SPFS	Sonic Porosity Formula	Borehole	Raymer-Hunt	
SPSO	Sonic Porosity Source	DSLTH	DT	
TD	Total Measured Depth	Borehole	5858	ft

Depth Zone Parameters			
Parameter	Value	Start (ft)	Stop (ft)
BS	0	400	427
BS	7.875	427	5872.33

All depth are actual.

Tool Control Parameters				
Parameter	Description	Tool	Value	Unit
DSLTH_MODE	DSLTH Acquisition Mode	DSLTH	BHC	
DSLTH_RATE	DSLTH Firing Rate	DSLTH	15 Hz	
DTFS	DSLTH Telemetry Frame Size	DSLTH	536	
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	1800	ft/h

Company:	Vecta Oil & Gas Ltd	
Well:	Snowmass 44-32	
Field:	Wildcat	
County:	Cheyenne	
Country:	USA	

Platform Express

