

Company: Vecta Oil & Gas LTD

Well: Snowmass 32-32

Field: Wildcat

County: Cheyenne State: Colorado

Platform Express
Array Induction
with Linear Correlation

County:	Cheyenne		
Field:	Wildcat		
Location:	SHL: 2566' FNL x 2404' FEL		
Well:	Snowmass 32-32		
Company:	Vecta Oil & Gas LTD		
Location:	SHL: 2566' FNL x 2404' FEL		Elev.: K.B. 4539.50 ft G.L. 4523.00 ft D.F. 4538.50 ft
	Permanent Datum:	Ground Level	Elev.: 4523.00 f
	Log Measured From:	Kelly Bushing	16.50 ft above Perm.Datum
	Drilling Measured From:	Kelly Bushing	
	API Serial No. 05-017-0771-0000	Section: 32	Township: 12S Range: 47W

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	Viscosity	67 s		
	Fluid Loss	PH	10		
	Source of Sample				
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	RMC	Calculated	Calculated		
RM @ BHT	RMF @ BHT	0.46 @ 212	0.32 @ 212		
Max Recorded Temperatures			160 degF		
Circulation Stopped		Time	21:45:00		
Logger on Bottom		Time	03-Oct-2013 03:15:38		
Unit Number	Location:	9108	Fort Morgan		
Recorded By	Danill Kholin				
Witnessed By	Matt Goobsby				

Disclaimer

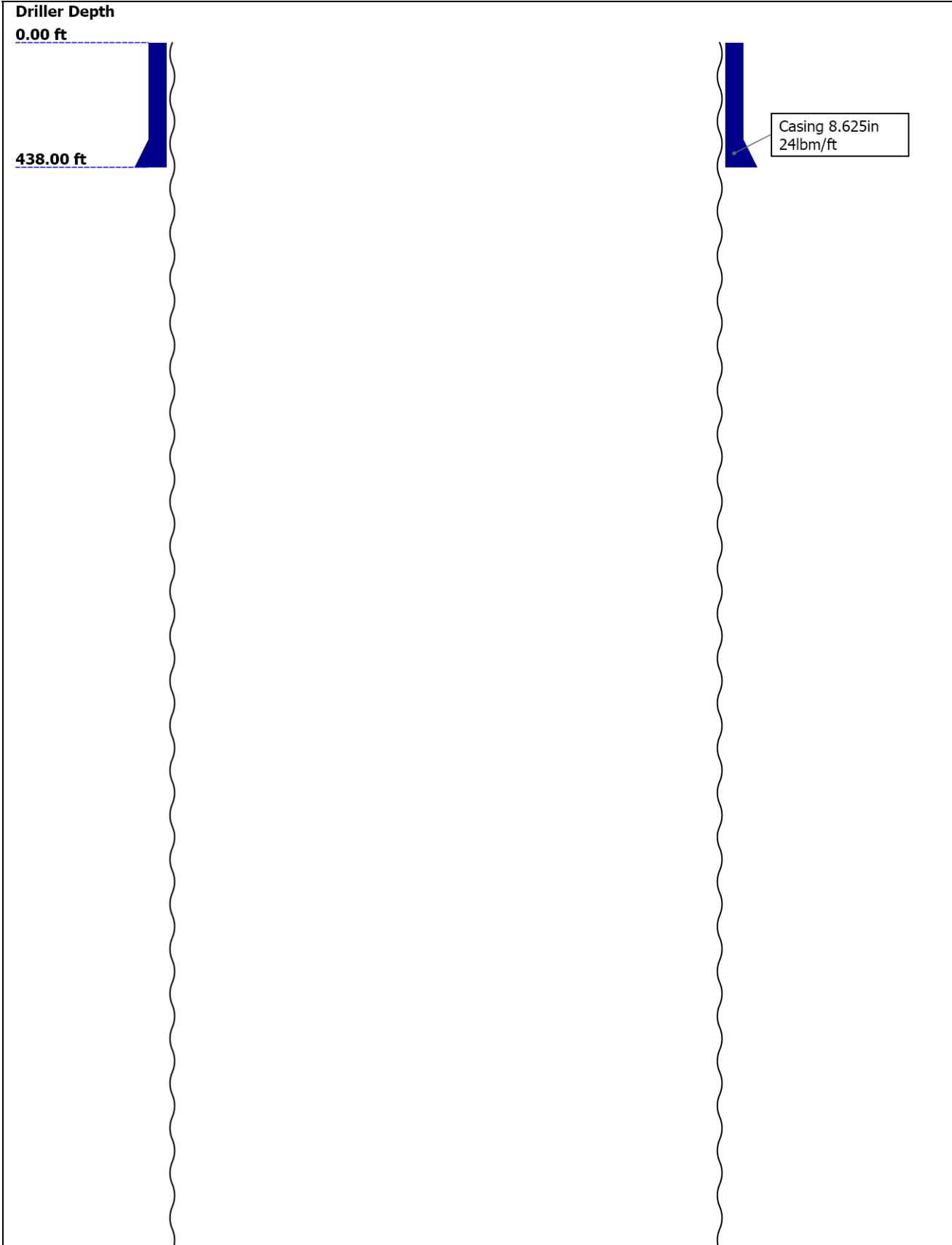
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Well Sketch



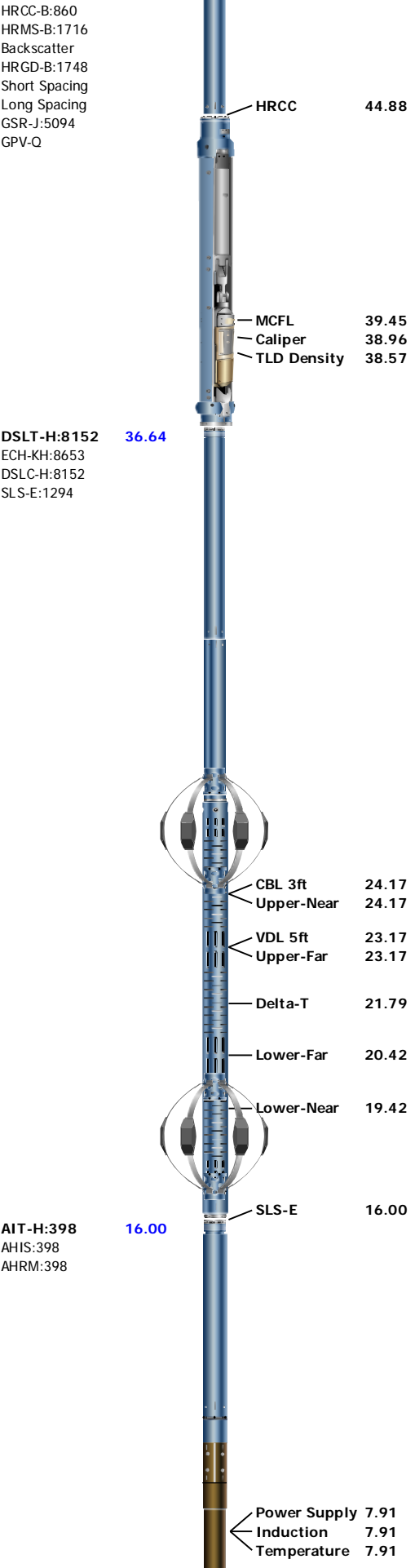


Borehole Size/Casing/Tubing Record

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



 <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> <div> <div>Lengths are in ft</div> <div>Maximum Outer Diameter = 7.000 in</div> <div>Line: Sensor Location, Value: Gating Offset</div> <div>All measurements are relative to TOOL_ZERO</div> </div>		
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Depth Summary				
		1		
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				
2" Induction				

Integration Summary				
Output Channel(s)	Output Description	Input Parameter	Output Value	Unit
ICV	Integrated Cement Volume	GCSE_UP_PASS, FCD	1226.86	ft3
Software Version				
Acquisition System		Version		
MaxWell		4.0.9126.3000		
Computation	Description			Version
Borehole	Borehole Ensemble provides common Borehole Parameters and Channels			4.0.9125.3000
Tool Elements	Description	Software Version	Firmware Version	

Tool Elements	Description	Software Version	Firmware Version
AHIS	Array Induction Sonde - H	4.0.9125.3000	
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

Pass Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
1	Log[5]:Up	Up	76.65 ft	5781.03 ft	04-Oct-2013 3:31:08 AM	04-Oct-2013 5:46:50 AM	ON	0.00 ft	No

All depths are referenced to toolstring zero

Log

Company:Vecta Oil & Gas LTD Well:Snowmass 32-32

1: Log[5]:Up:S011

Description: AIT Basic Log Two Format: Log (Import of Kerr McGee 2in Induction) Index Scale: 2 in per 100 ft Index Unit: ft Index Type: Measured

Depth Creation Date: 04-Oct-2013 13:37:59

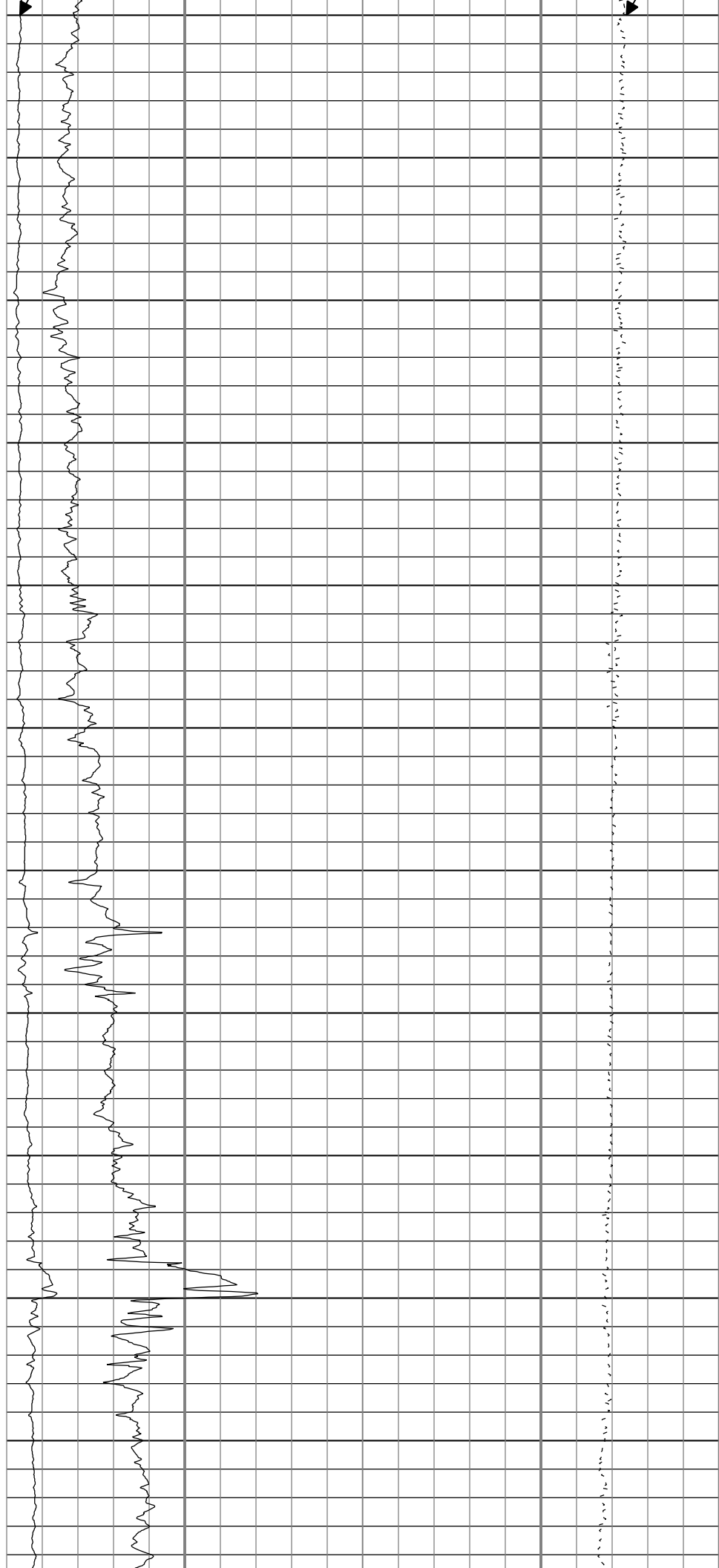
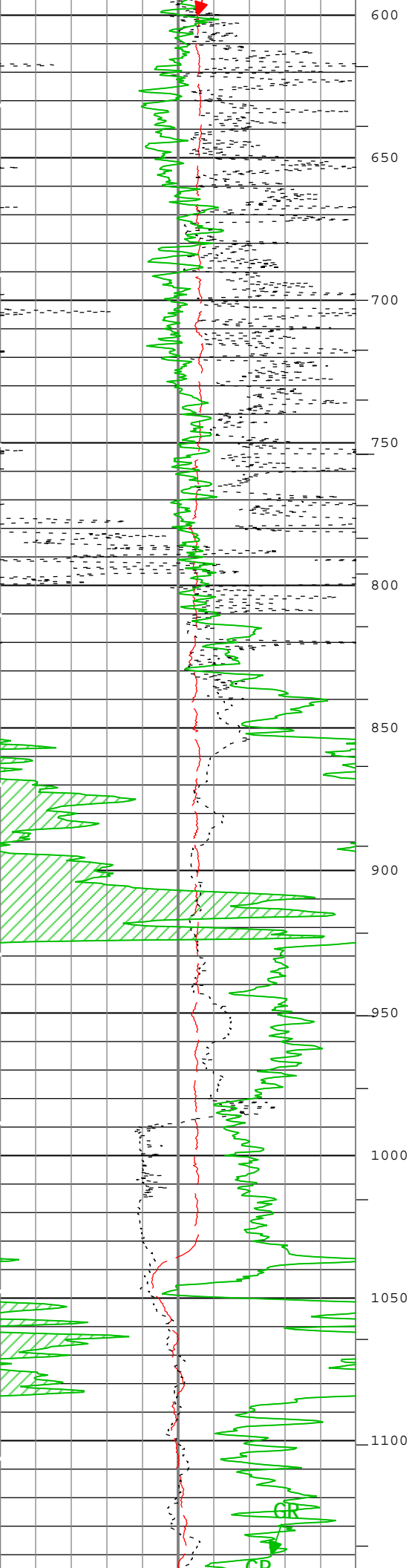
Channel	Source	Sampling
AT10	AIT-H:AHIS:AHIS	3in
CALI	HDRS-B:HRCC-B:HRCC-B	1in
GR	HGNS-B:HGNS-B:HGNS-B	6in
ICV	Borehole	6in
SP	AIT-H:AHIS:AHIS	6in
TENS	WLWorkflow	6in
TIME_1900	WLWorkflow	0.1in

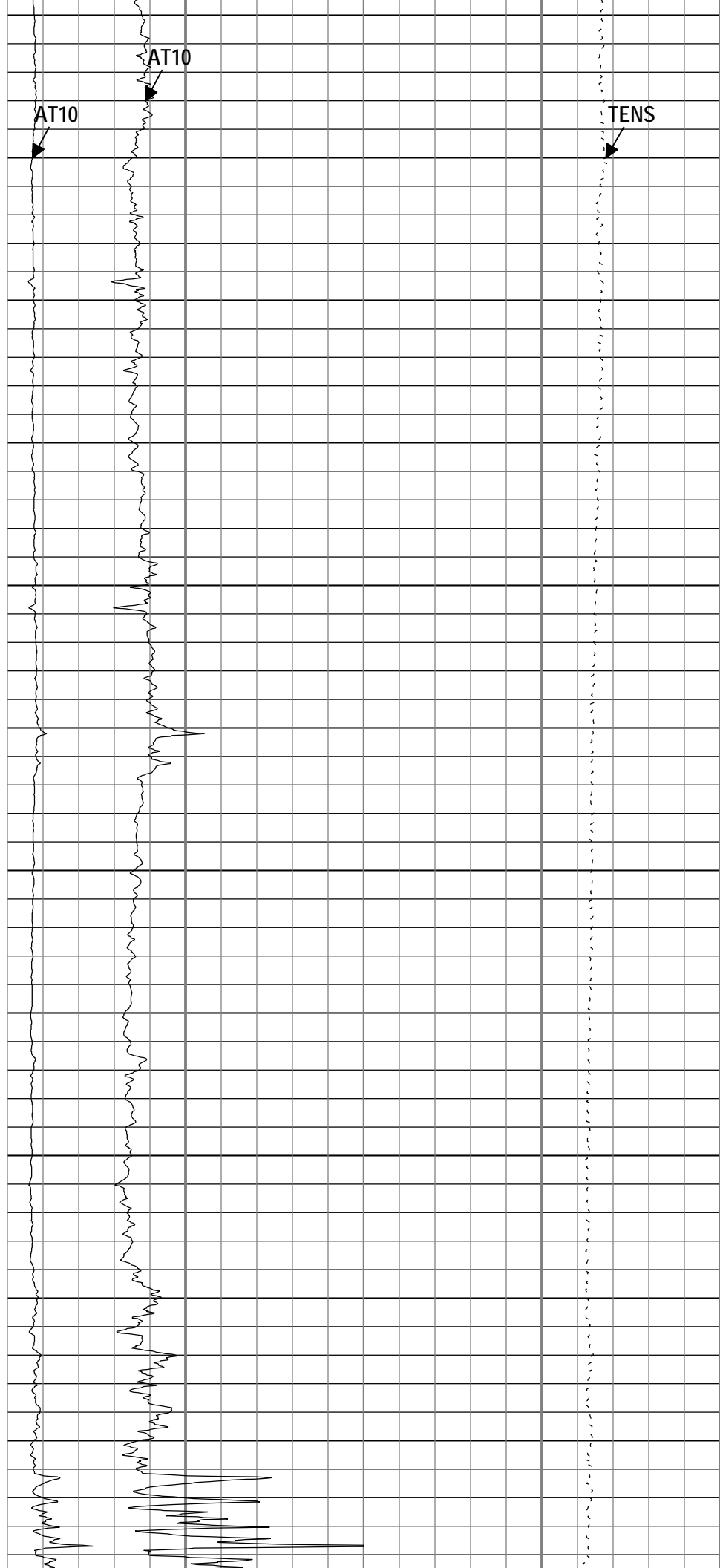
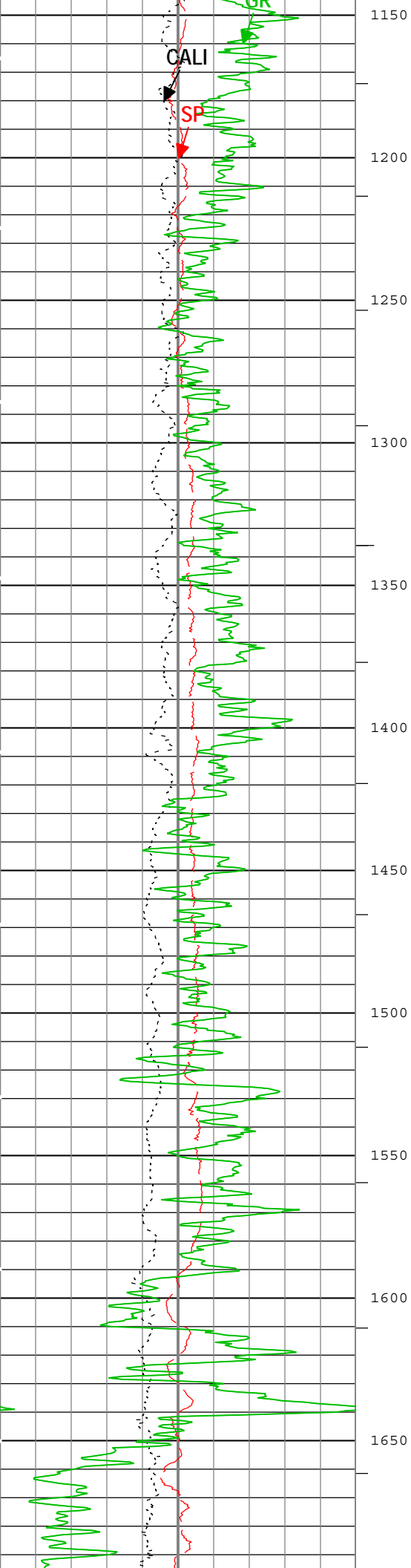
TIME_1900 - Time Marked every 60.00 (s)

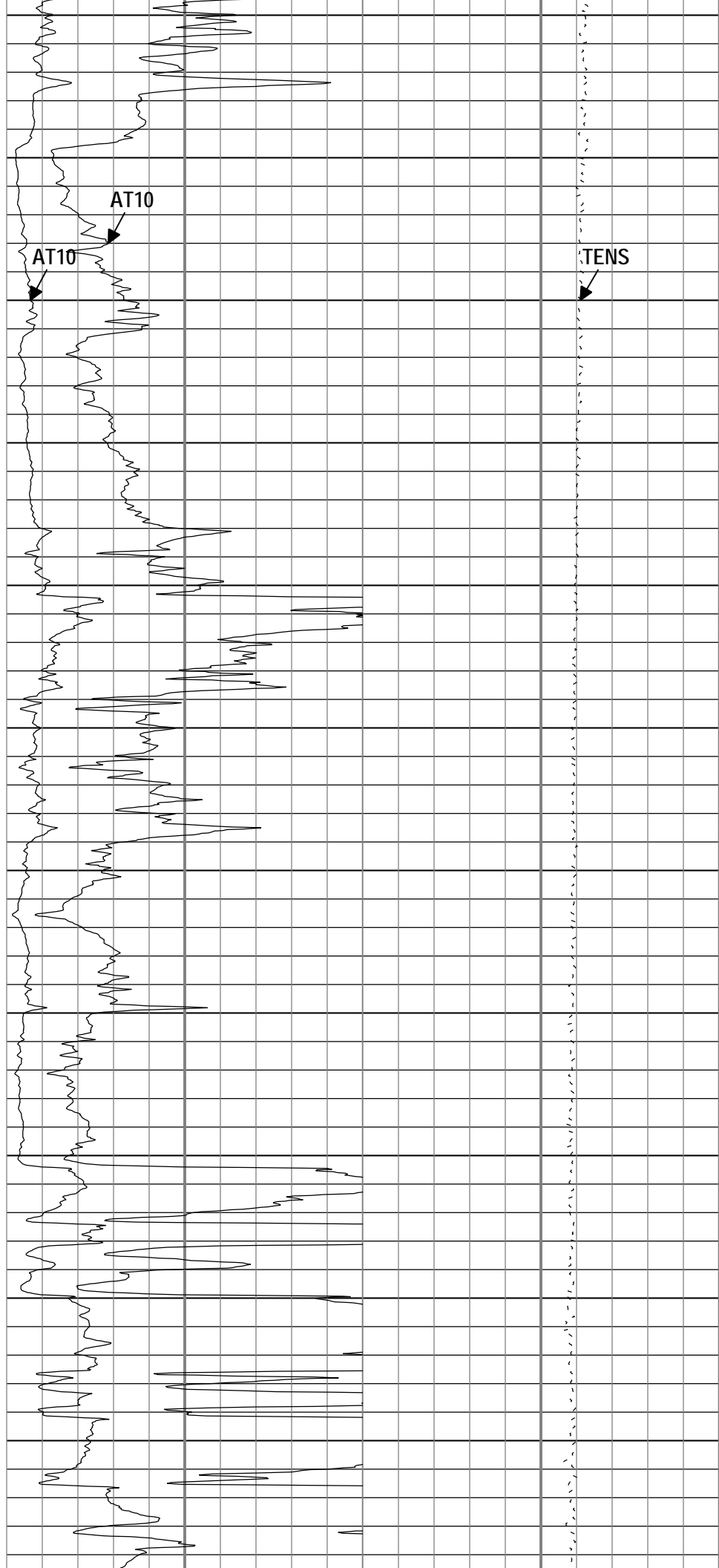
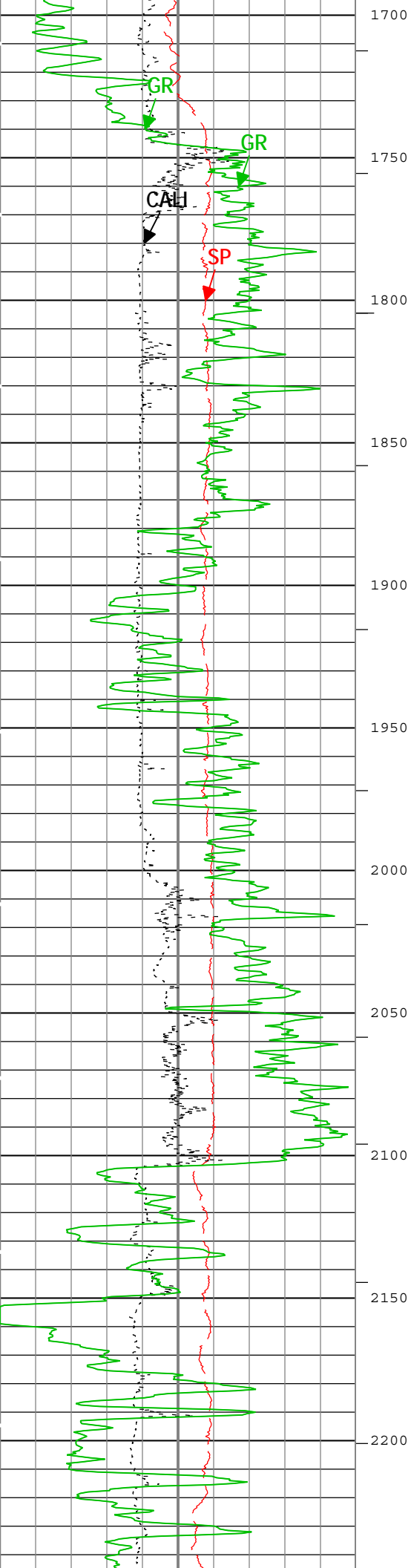
└─ ICV - Integrated Cement Volume every 10.00 (ft3)

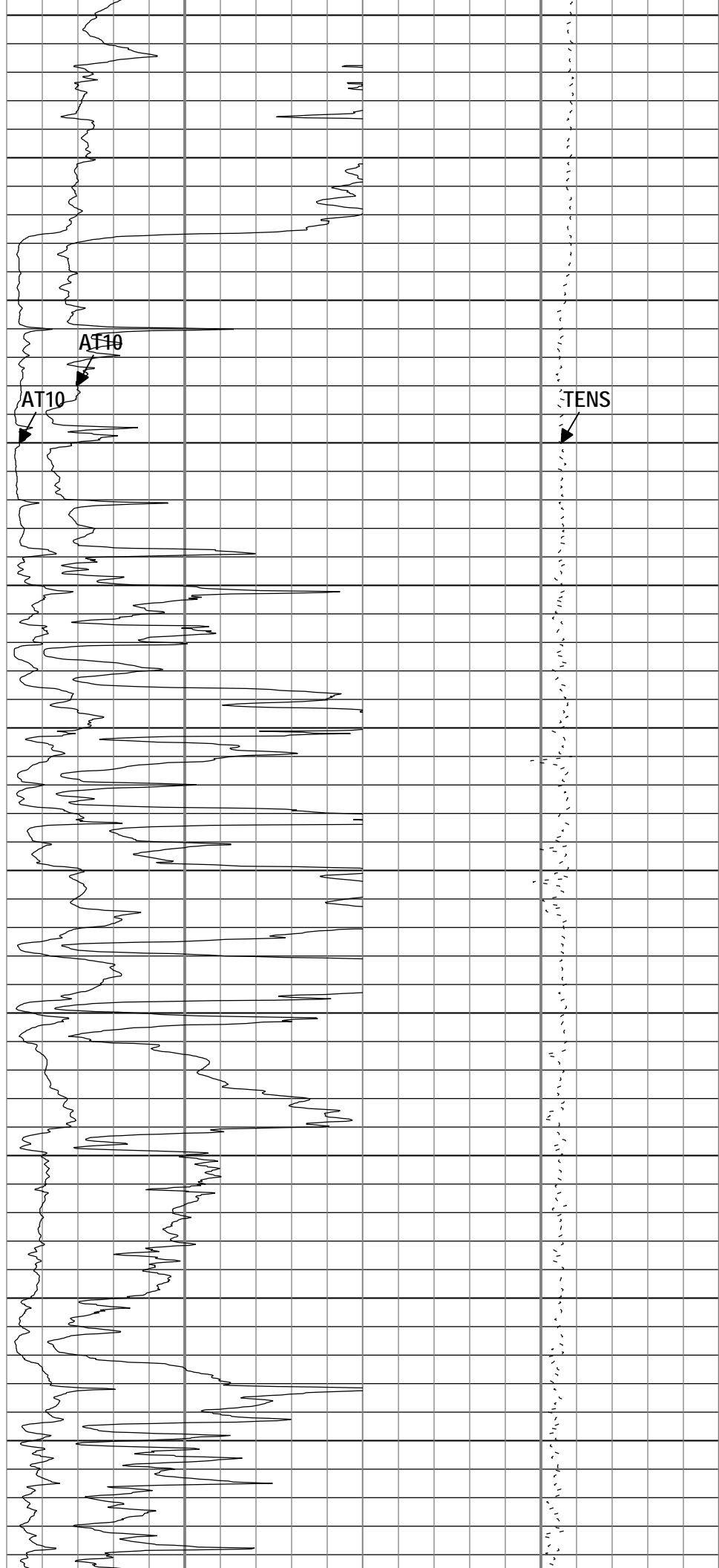
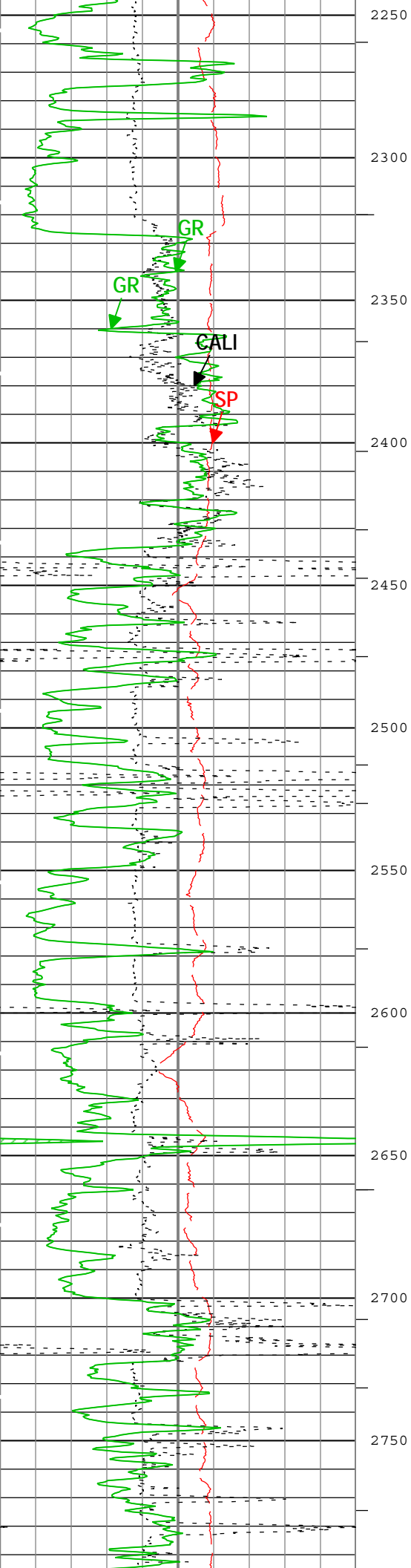
└─ ICV - Integrated Cement Volume every 100.00 (ft3)

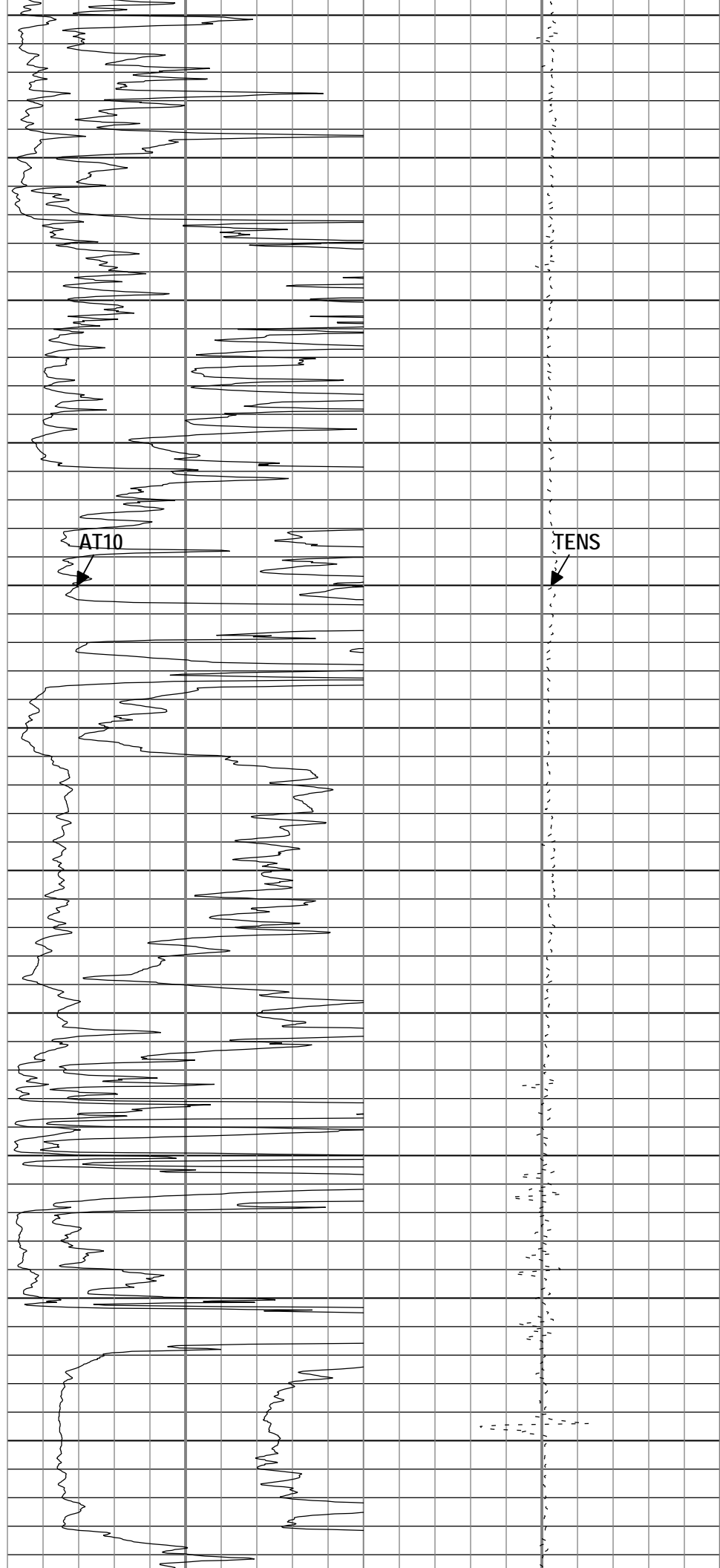
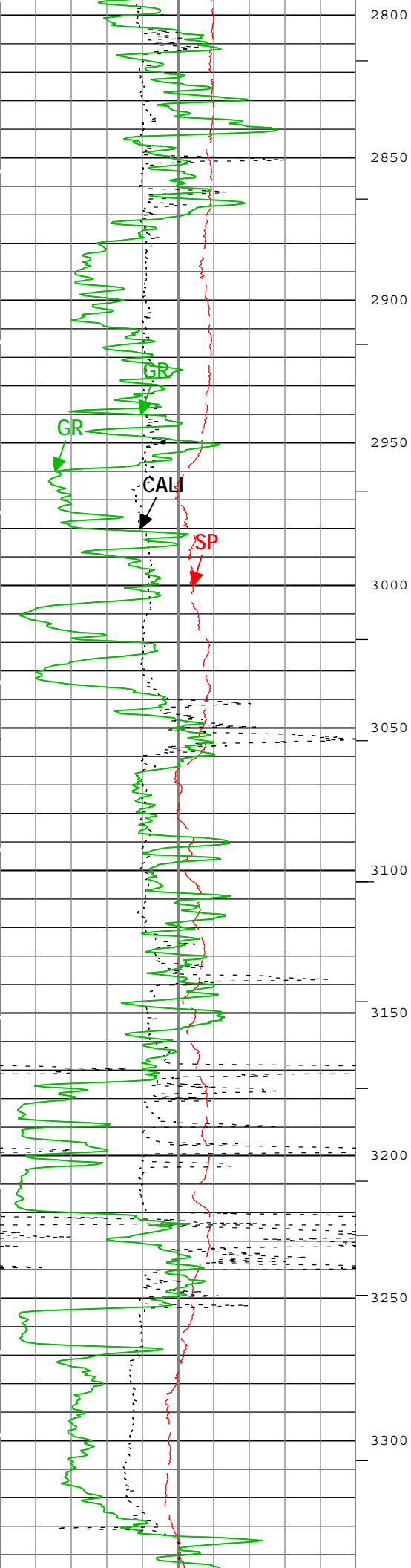


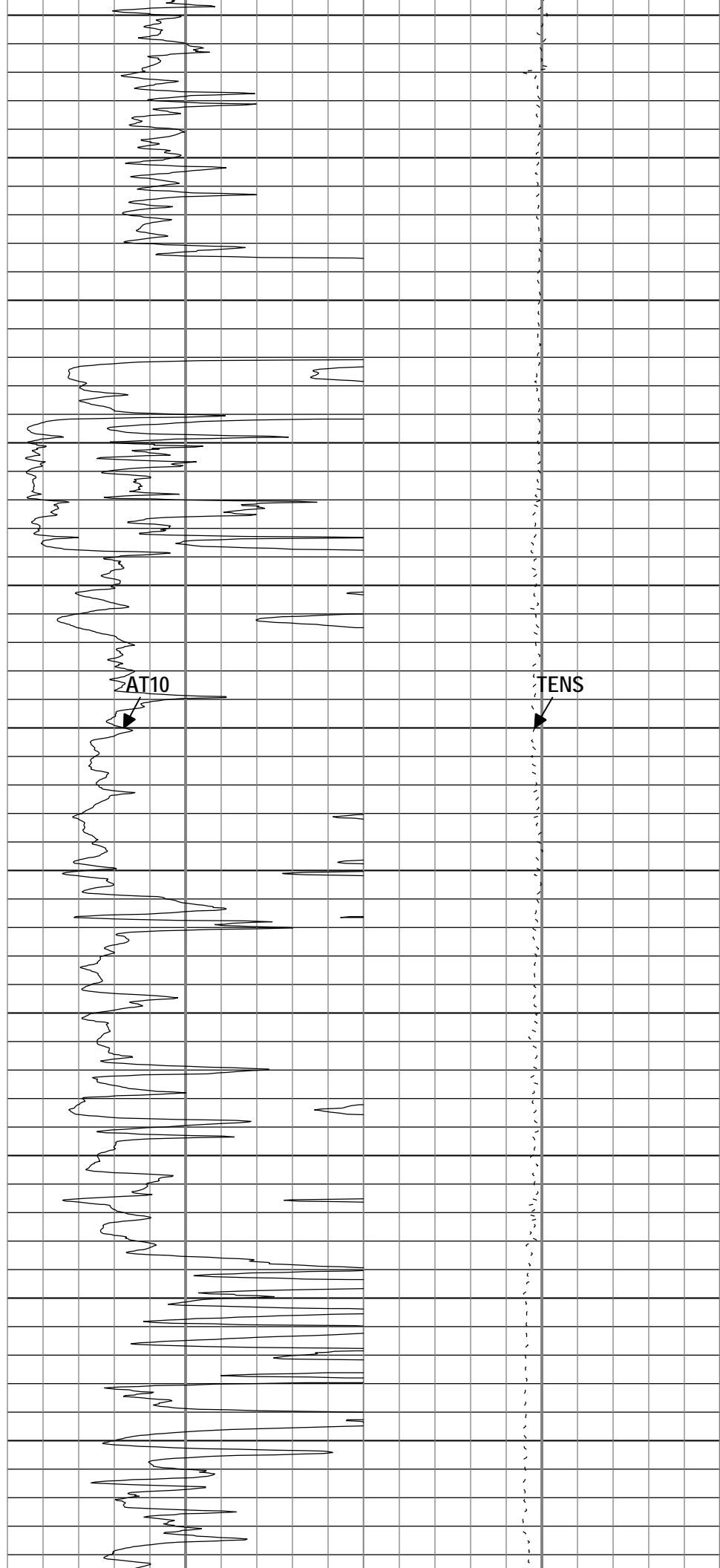
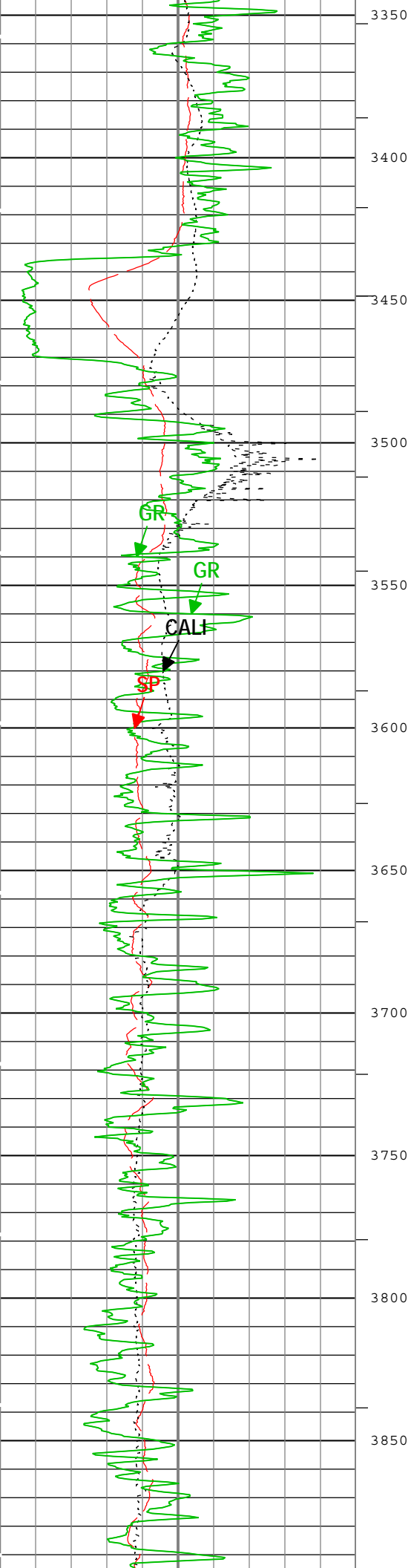


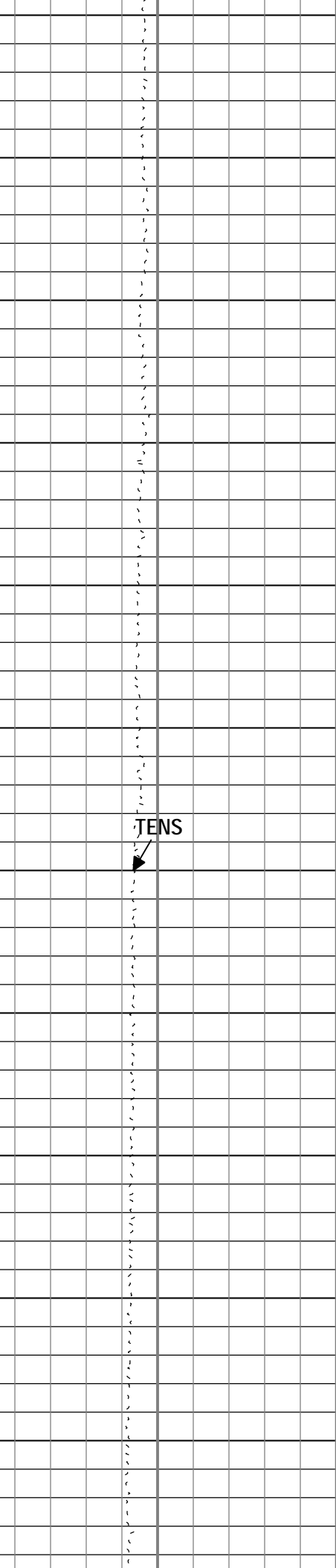
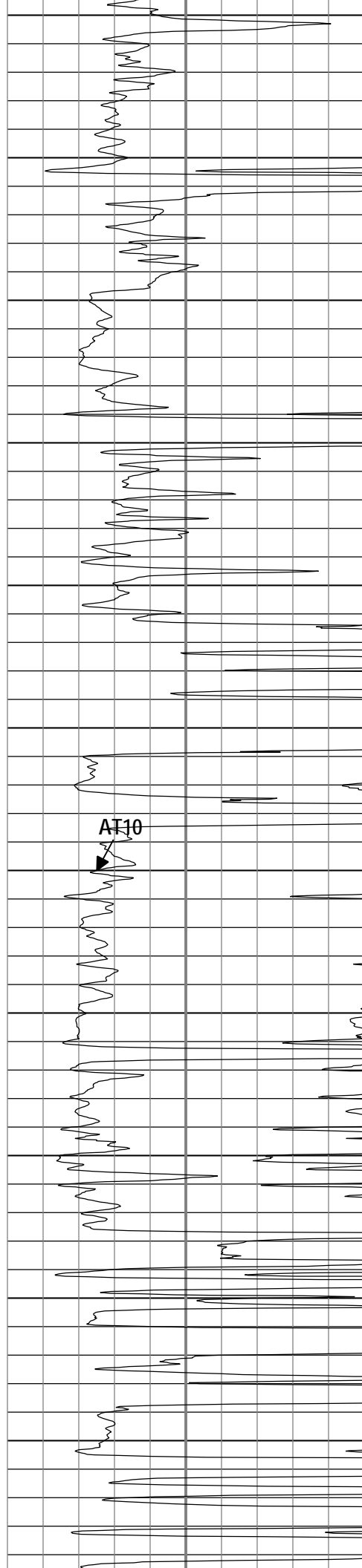
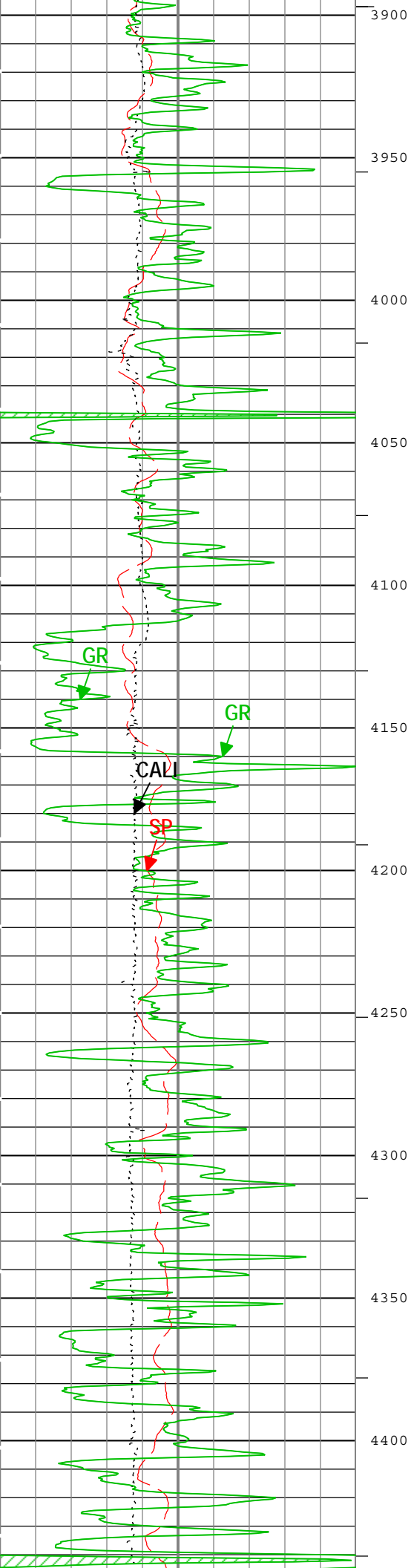


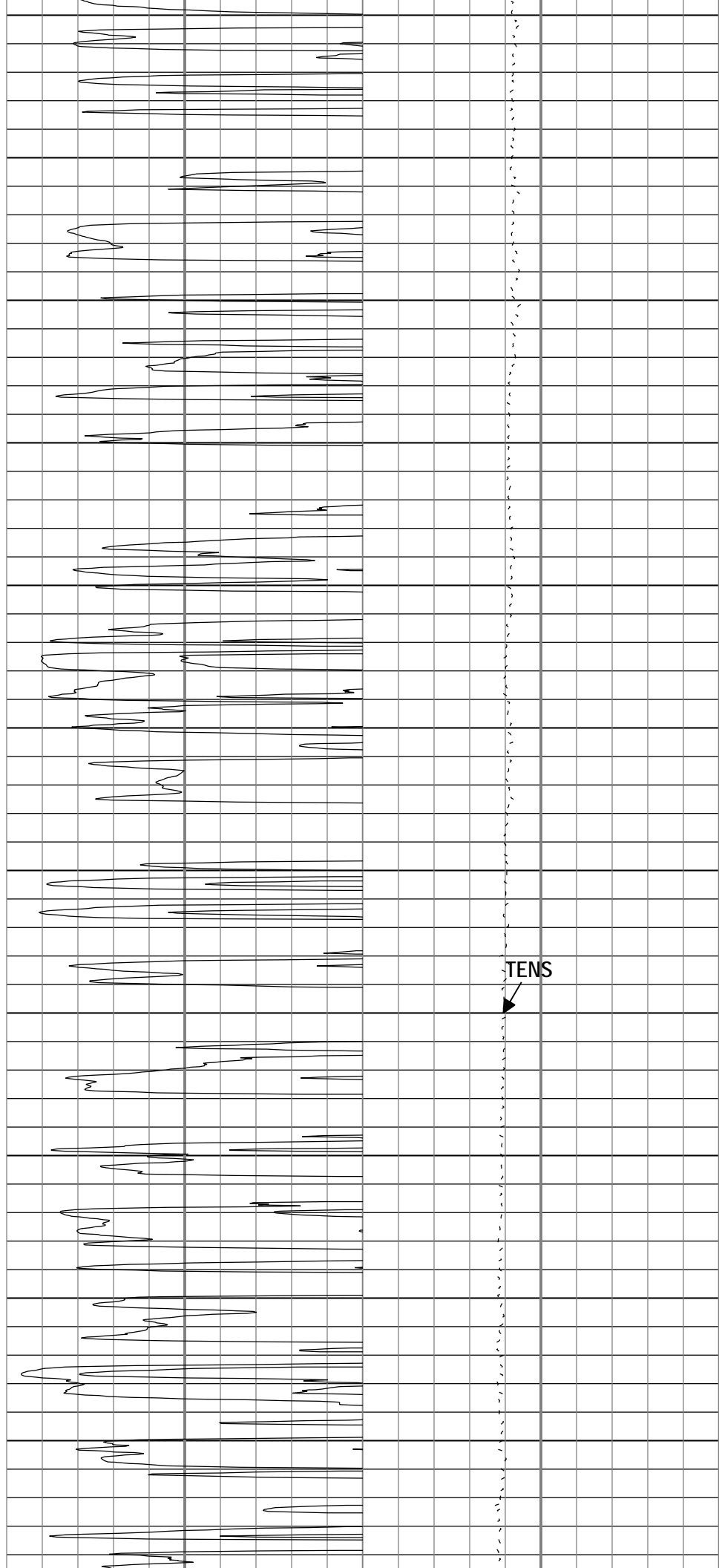
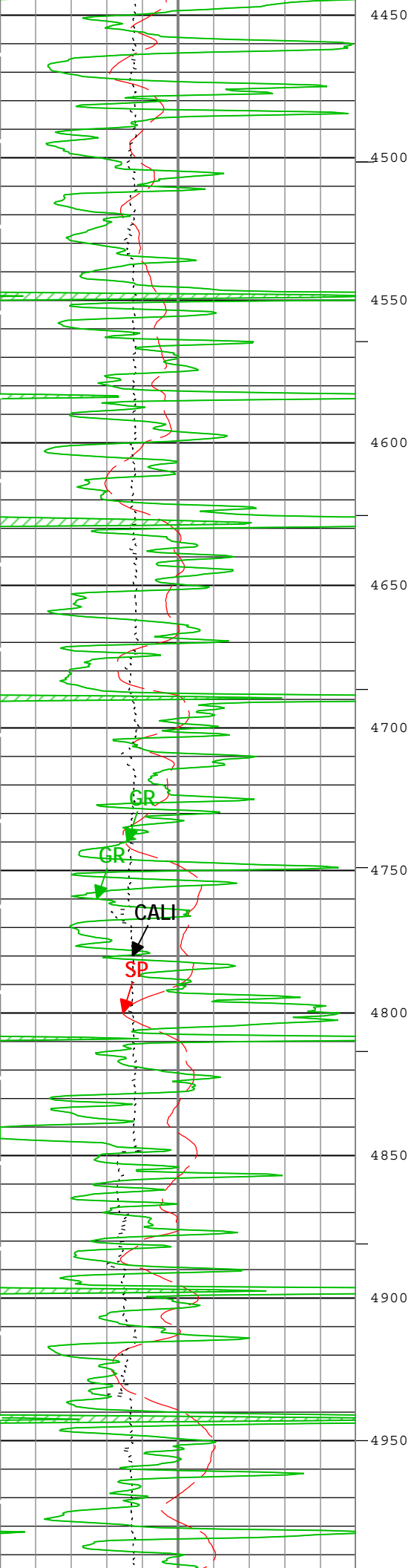


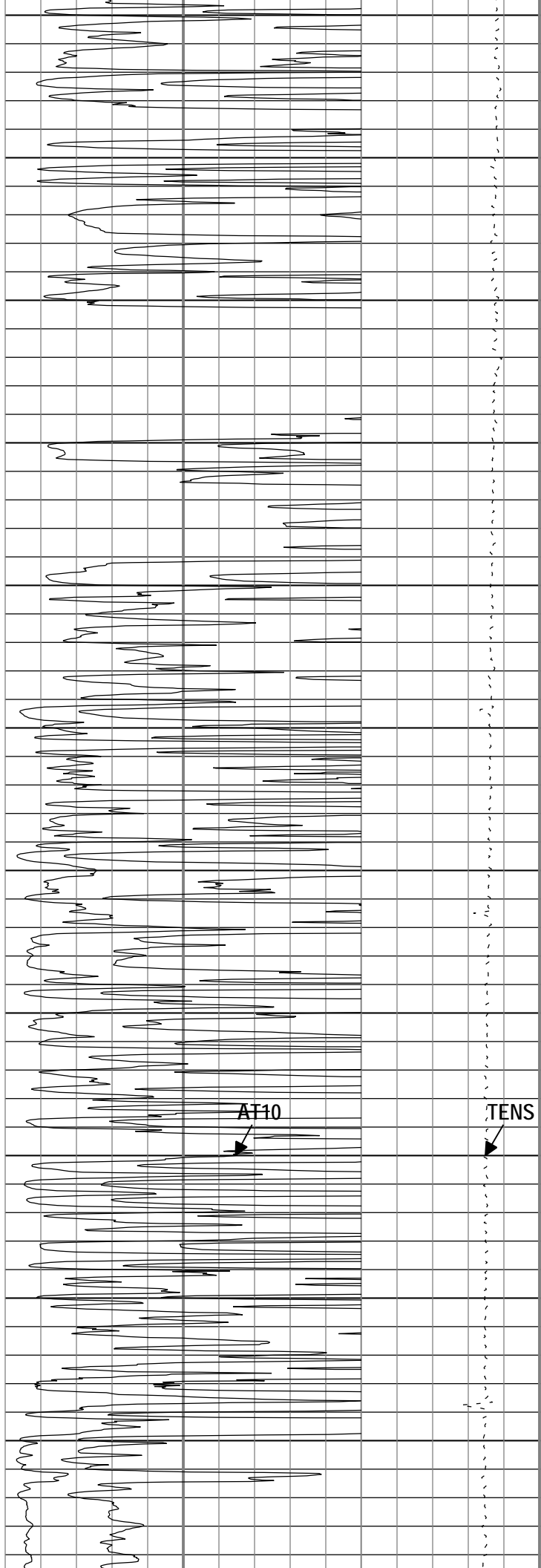
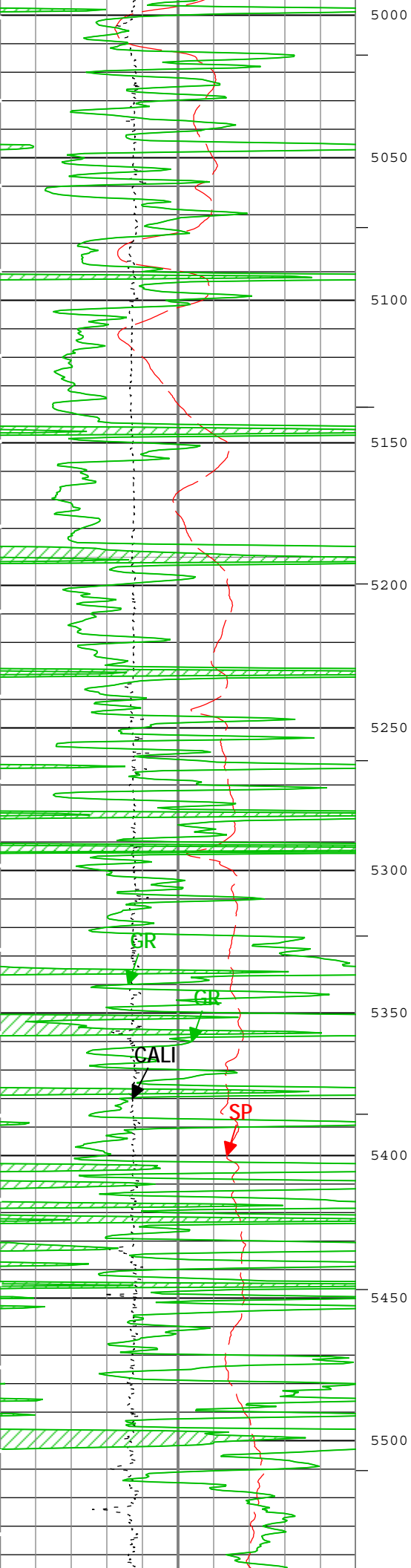


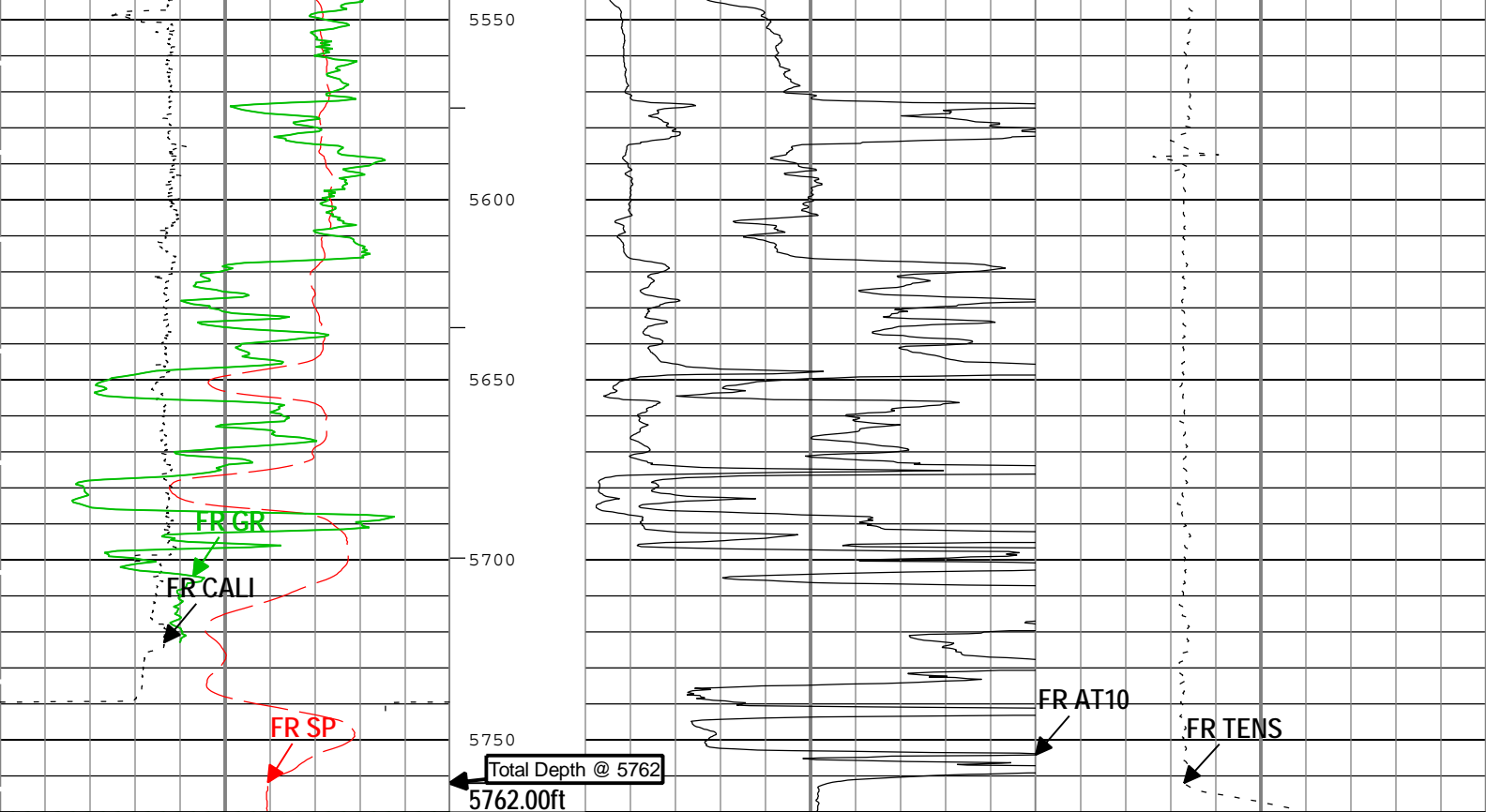












Gamma Ray Backup		
Spontaneous Potential (SP) AIT-H		
-100	mV	200
Caliper (CALI) HDRS-B		
4	in	14
Gamma Ray (GR) HGNS-B		
0	gAPI	200

Array Induction Two Foot Resistivity A10 (AT10) AIT-H		
0	ohm.m	50
Array Induction Two Foot Resistivity A10 (AT10) AIT-H		
0	ohm.m	10

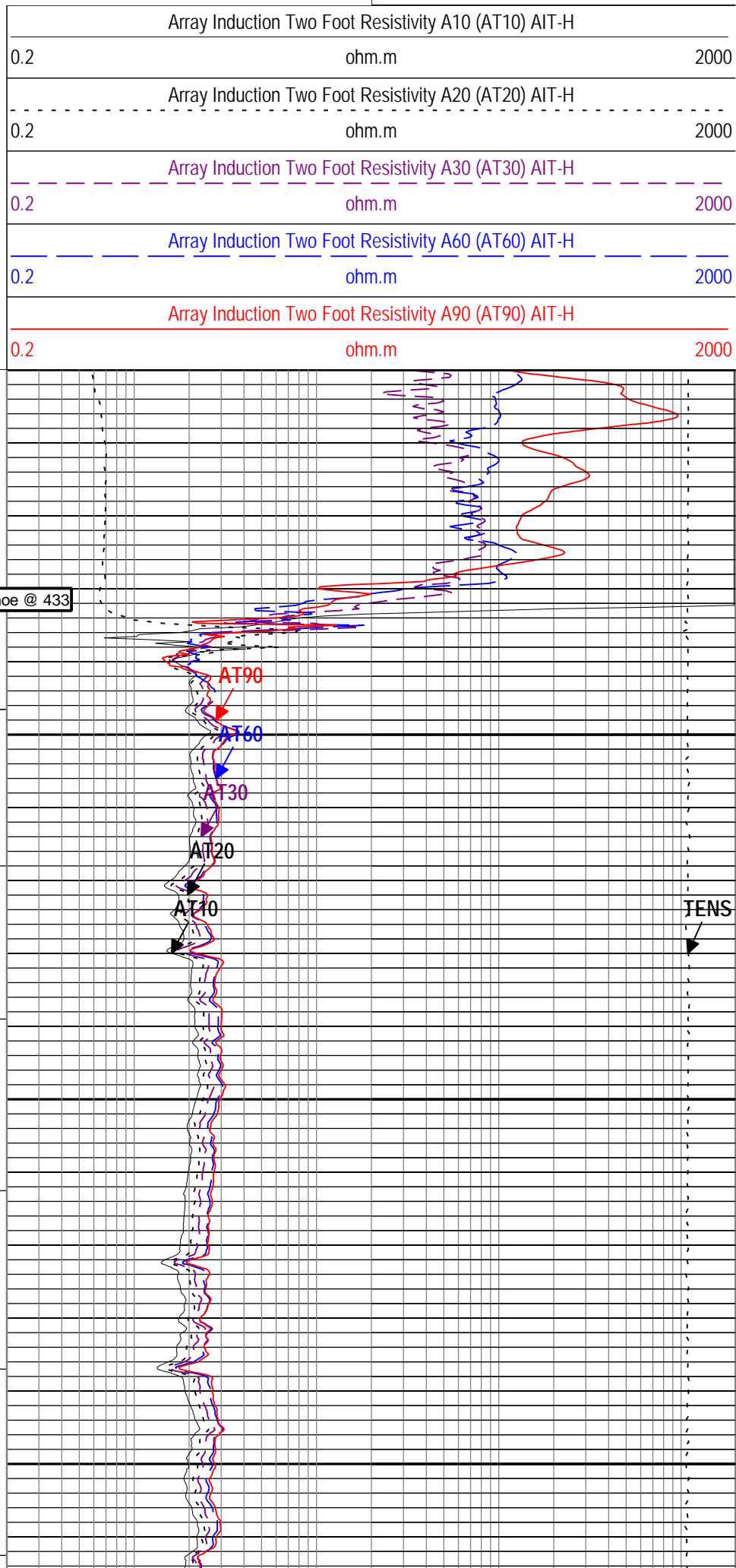
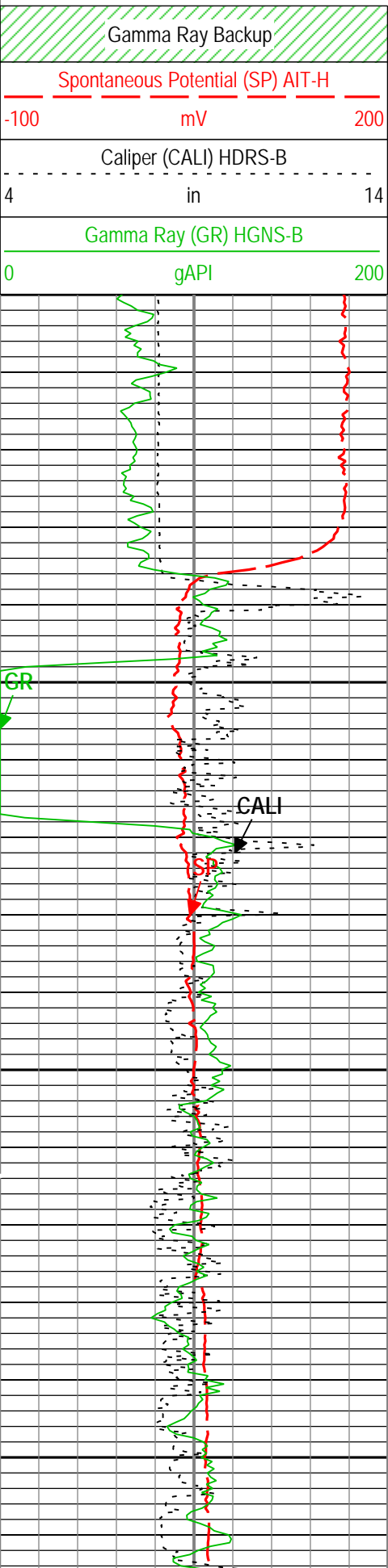
Cable Tension (TENS)		
5000	lbf	0

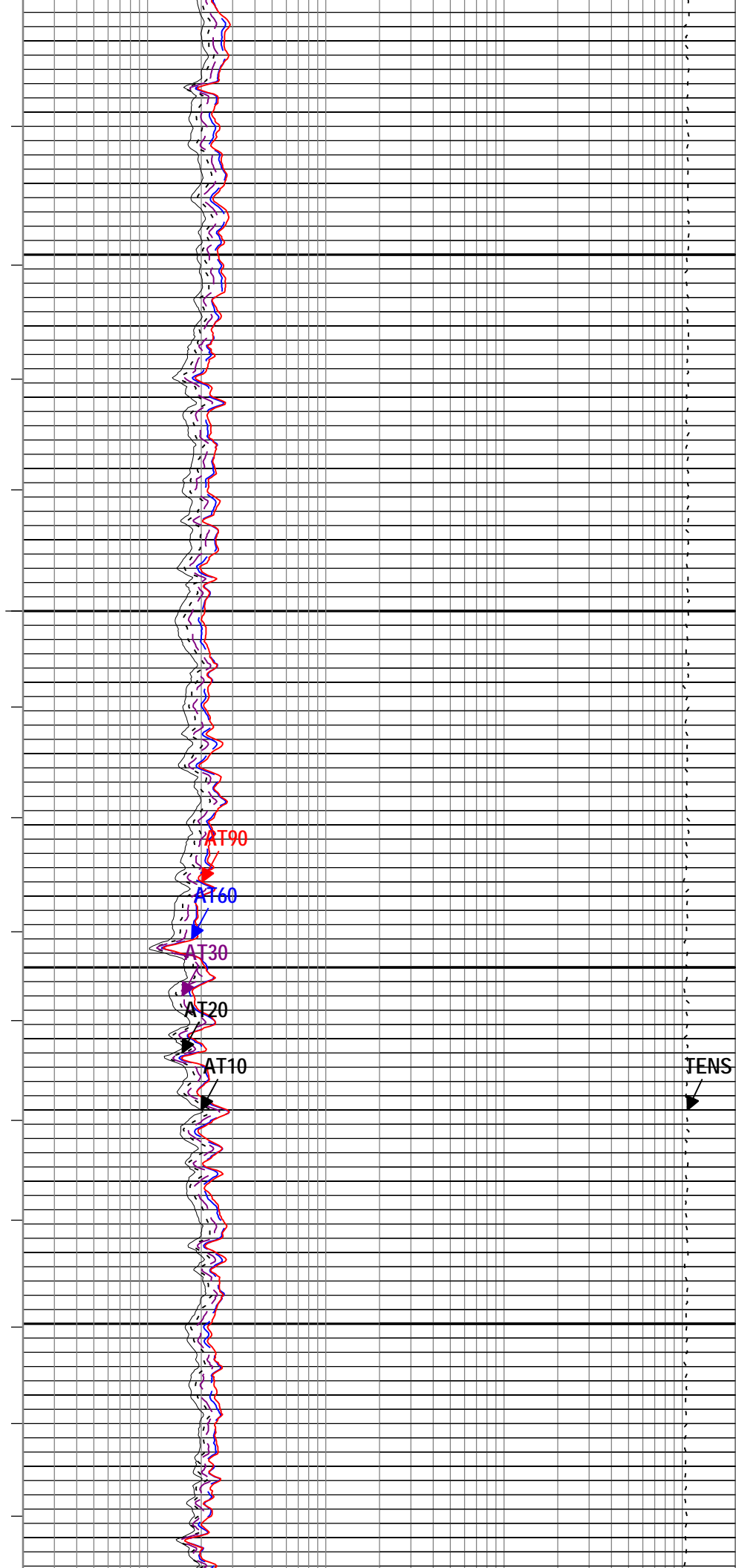
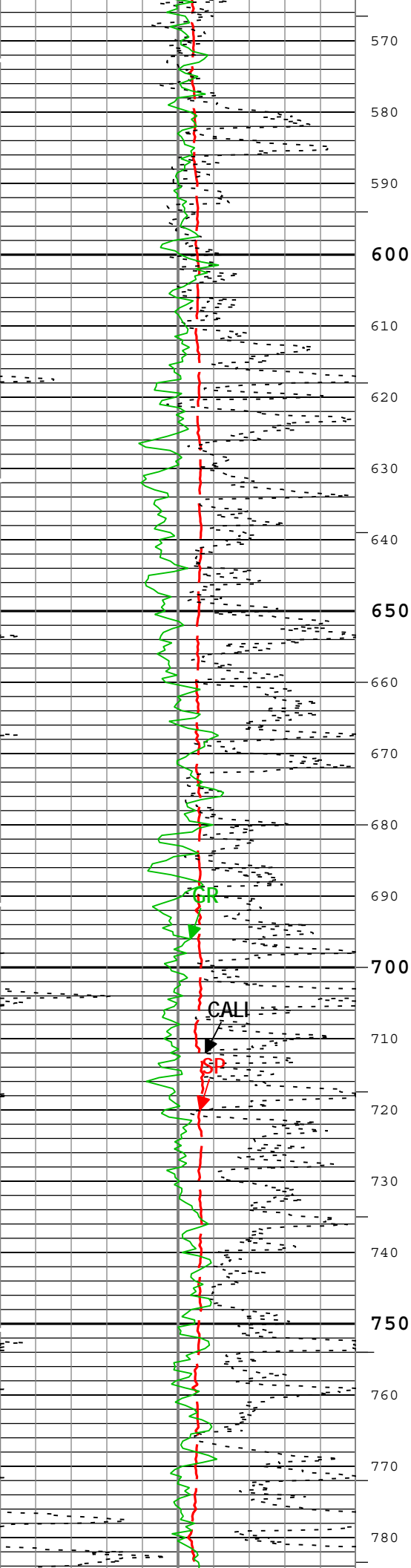
ICV - Integrated Cement Volume every 100.00 (ft3)
 ICV - Integrated Cement Volume every 10.00 (ft3)
 TIME_1900 - Time Marked every 60.00 (s)

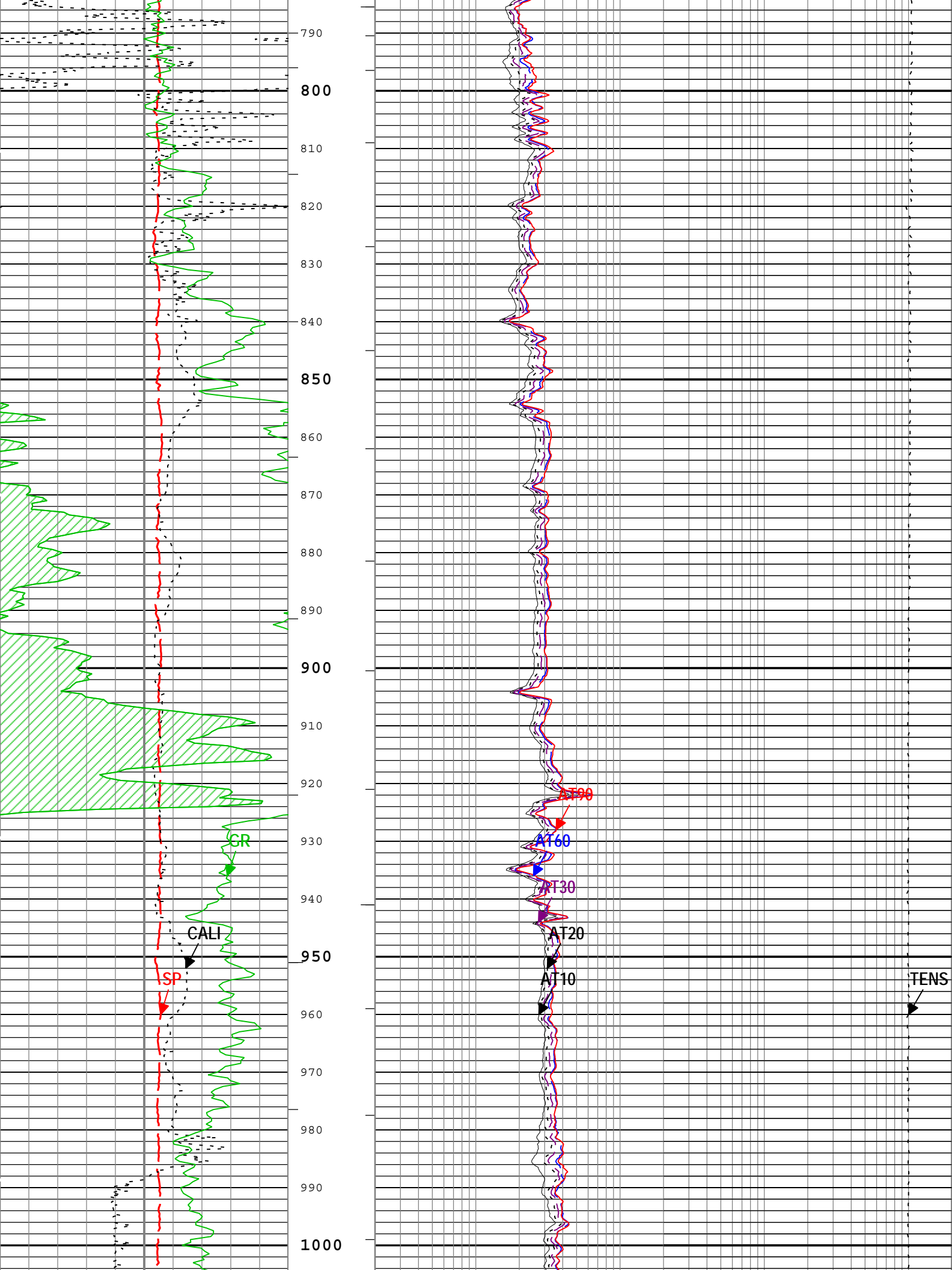
Description: AIT Basic Log Two Format: Log (Import of Kerr McGee 2in Induction) Index Scale: 2 in per 100 ft Index Unit: ft Index Type: Measured
 Depth Creation Date: 04-Oct-2013 13:37:59

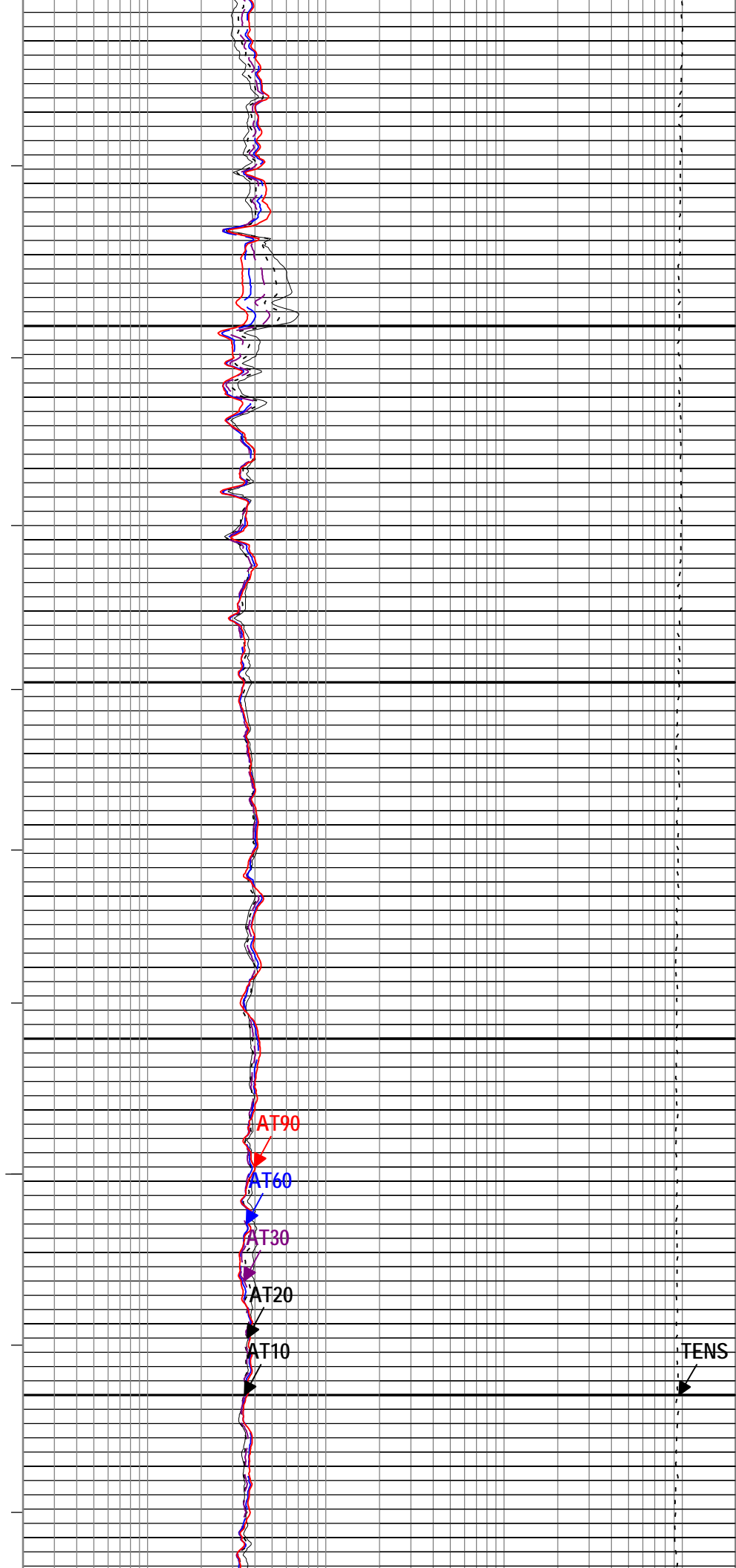
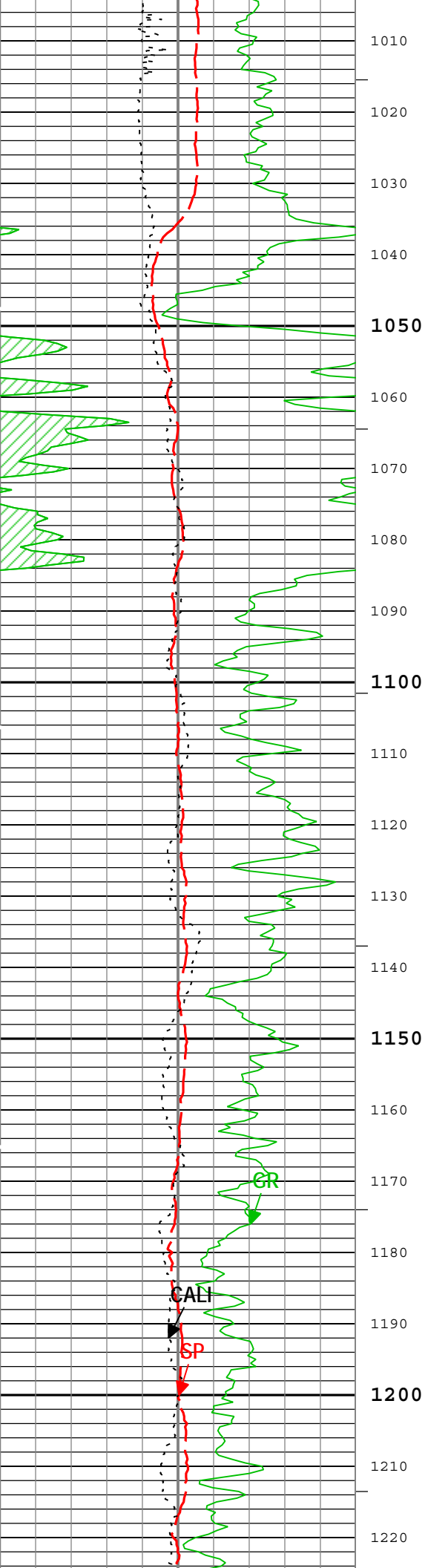
Channel Processing Parameters				
Parameter	Description	Tool	Value	Unit
ABHM	Array Induction Borehole Correction Mode	AIT-H	Compute Standoff	
ACDE	Array Induction Casing Detection Enable	AIT-H	No	
BARI	Barite Mud Presence Flag	Borehole	No	
BHS	Borehole Status (Open or Cased Hole)	Borehole	Open	
BS	Bit 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
CSODDRL	Casing Outer Diameter - Zoned along driller depths	WLSESSION	8.625	in
DFD	Drilling Fluid Density	Borehole	9.2	lbm/gal
FCD	Future Casing (Outer) Diameter	WLSESSION	5.5	in
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	
SPDR	SP Drift Per Foot	AIT-H	0	mV/ft

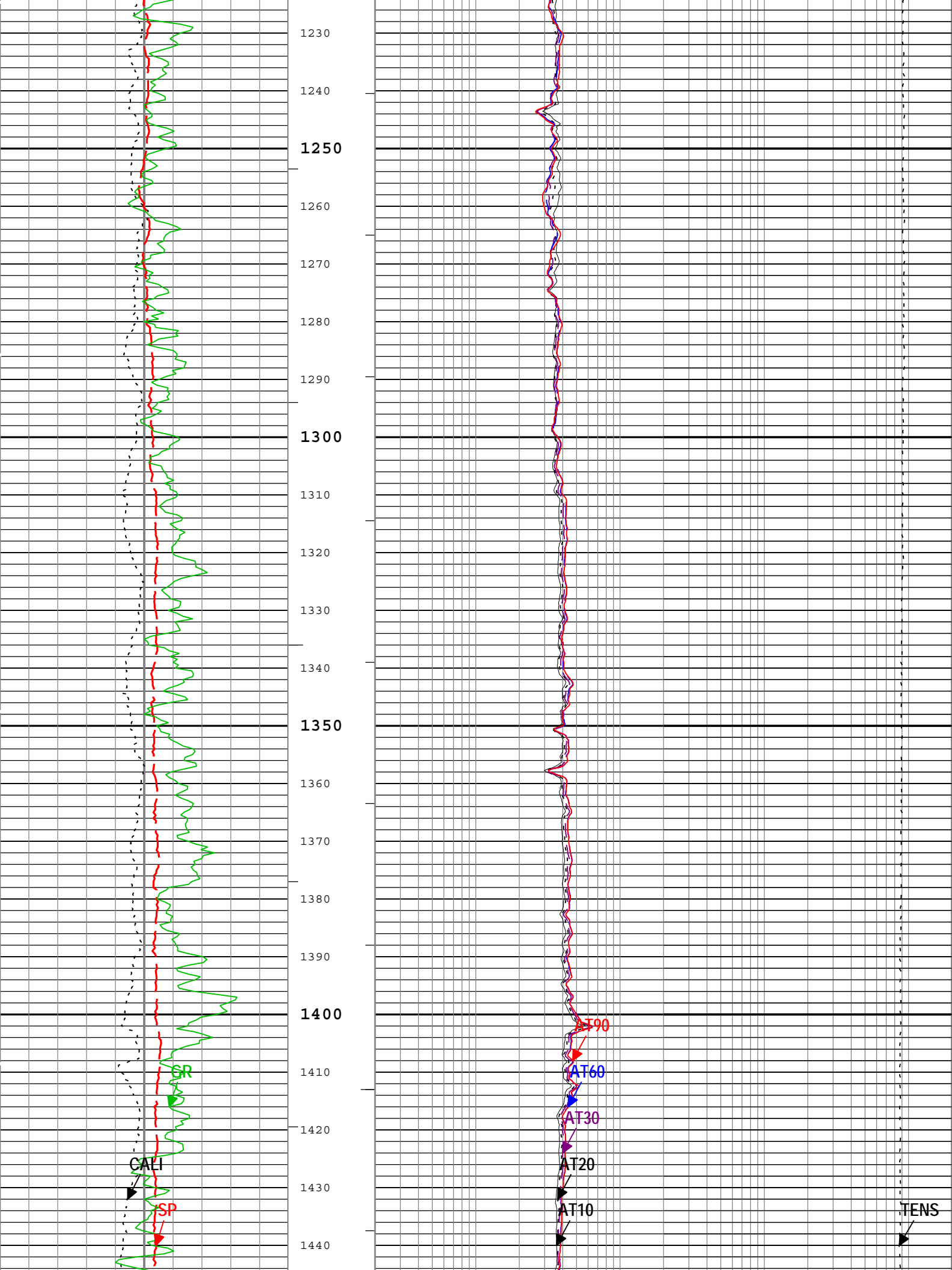
Tool Control Parameters									
Parameter		Description			Tool		Value		Unit
MAX_LOG_SPEED		Toolstring Maximum Logging Speed			WLSESSION		1800		ft/h
1									
5" Induction									
Integration Summary									
Output Channel(s)		Output Description		Input Parameter		Output Value		Unit	
ICV		Integrated Cement Volume		GCSE_UP_PASS, FCD		1226.86		ft3	
IHV		Integrated Hole Volume		GCSE_UP_PASS		2107.05		ft3	
Software Version									
Acquisition System					Version				
MaxWell					4.0.9126.3000				
Computation		Description						Version	
Borehole		Borehole Ensemble provides common Borehole Parameters and Channels						4.0.9125.3000	
Tool Elements		Description			Software Version			Firmware Version	
AHIS		Array Induction Sonde - H			4.0.9125.3000				
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	
Pass Summary									
Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
1	Log[5]:Up	Up	76.65 ft	5781.03 ft	04-Oct-2013 3:31:08 AM	04-Oct-2013 5:46:50 AM	ON	0.00 ft	No
All depths are referenced to toolstring zero									
Log	Company: Vecta Oil & Gas LTD Well: Snowmass 32-32 1: Log[5]:Up:S011								
Description: AIT Basic Log Two Format: Log (EMD 5in Induction) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 04-Oct-2013 13:38:01									
Channel	Source	Sampling							
AT10	AIT-H:AHIS:AHIS	3in							
AT20	AIT-H:AHIS:AHIS	3in							
AT30	AIT-H:AHIS:AHIS	3in							
AT60	AIT-H:AHIS:AHIS	3in							
AT90	AIT-H:AHIS:AHIS	3in							
CALI	HDRS-B:HRCC-B:HRCC-B	1in							
GR	HGNS-B:HGNS-B:HGNS-B	6in							
ICV	Borehole	6in							
IHV	Borehole	6in							
SP	AIT-H:AHIS:AHIS	6in							
TENS	WLWorkflow	6in							
TIME_1900	WLWorkflow	0.1in							
—IHV - Integrated Hole Volume every 10.00 (ft3) —IHV - Integrated Hole Volume every 100.00 (ft3) —ICV - Integrated Cement Volume every 10.00 (ft3) —ICV - Integrated Cement Volume every 100.00 (ft3) TIME_1900 - Time Marked every 60.00 (s)									
Cable Tension (TENS)									

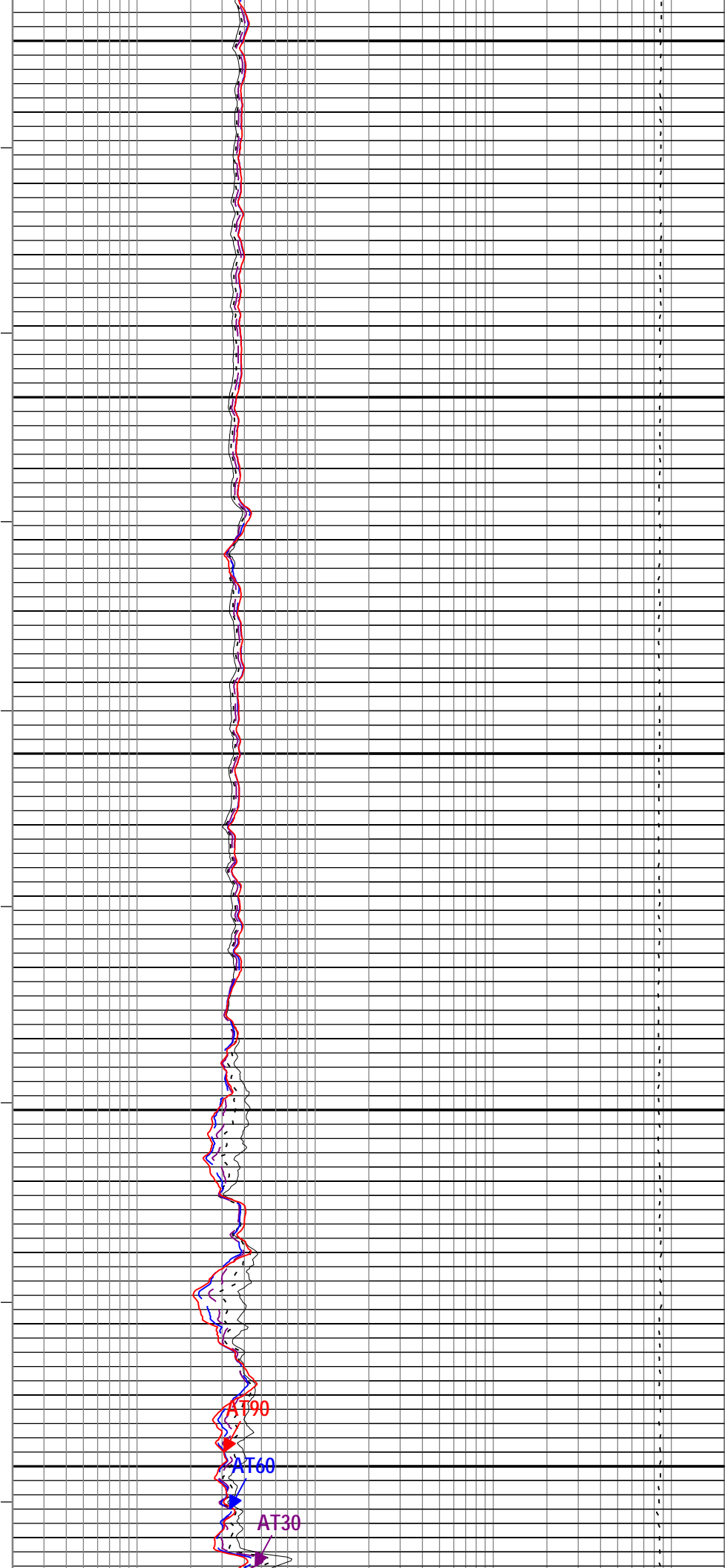
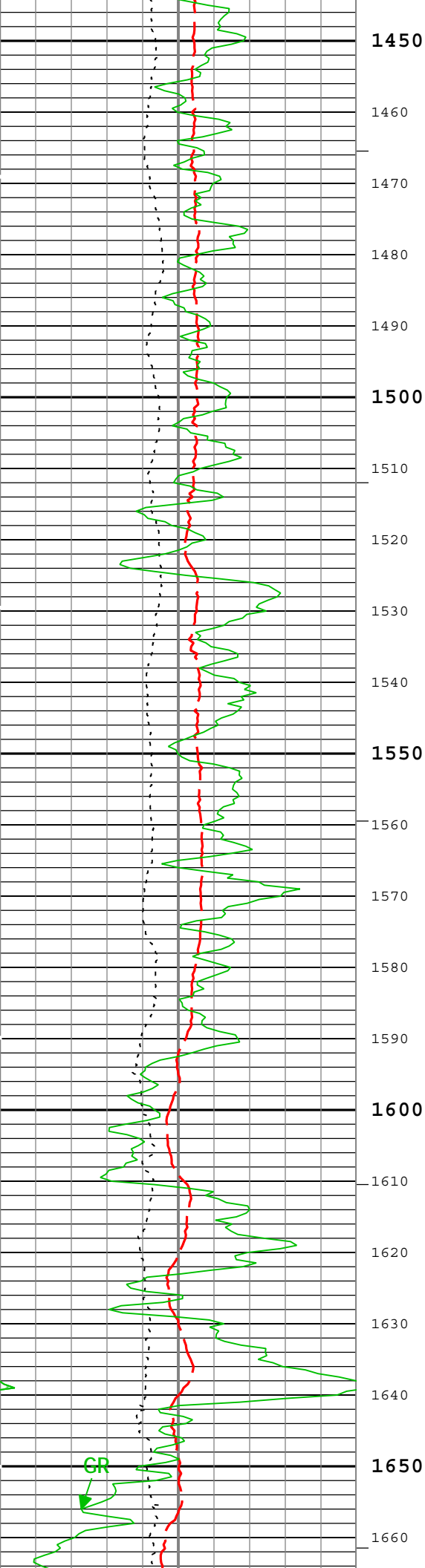


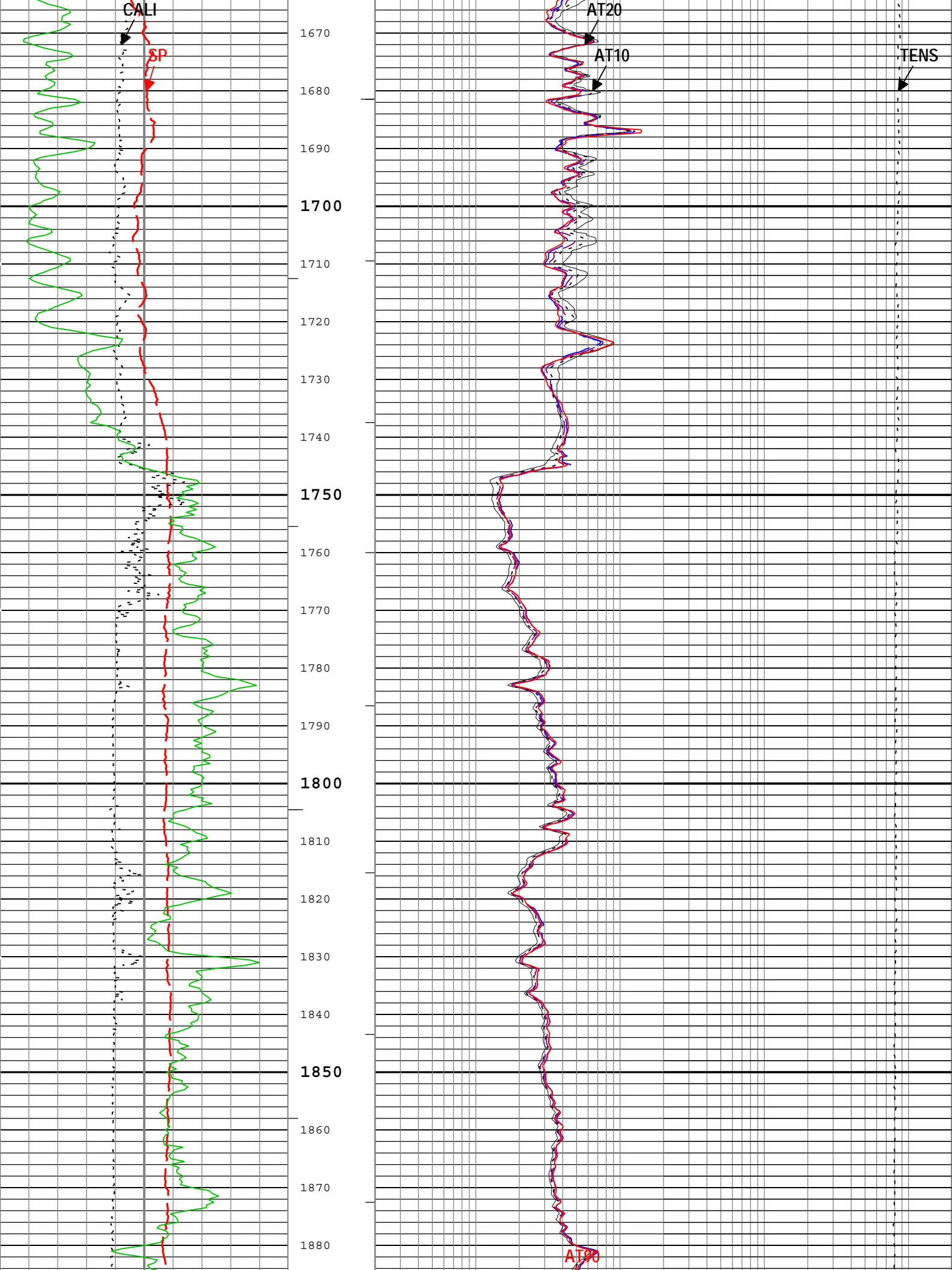


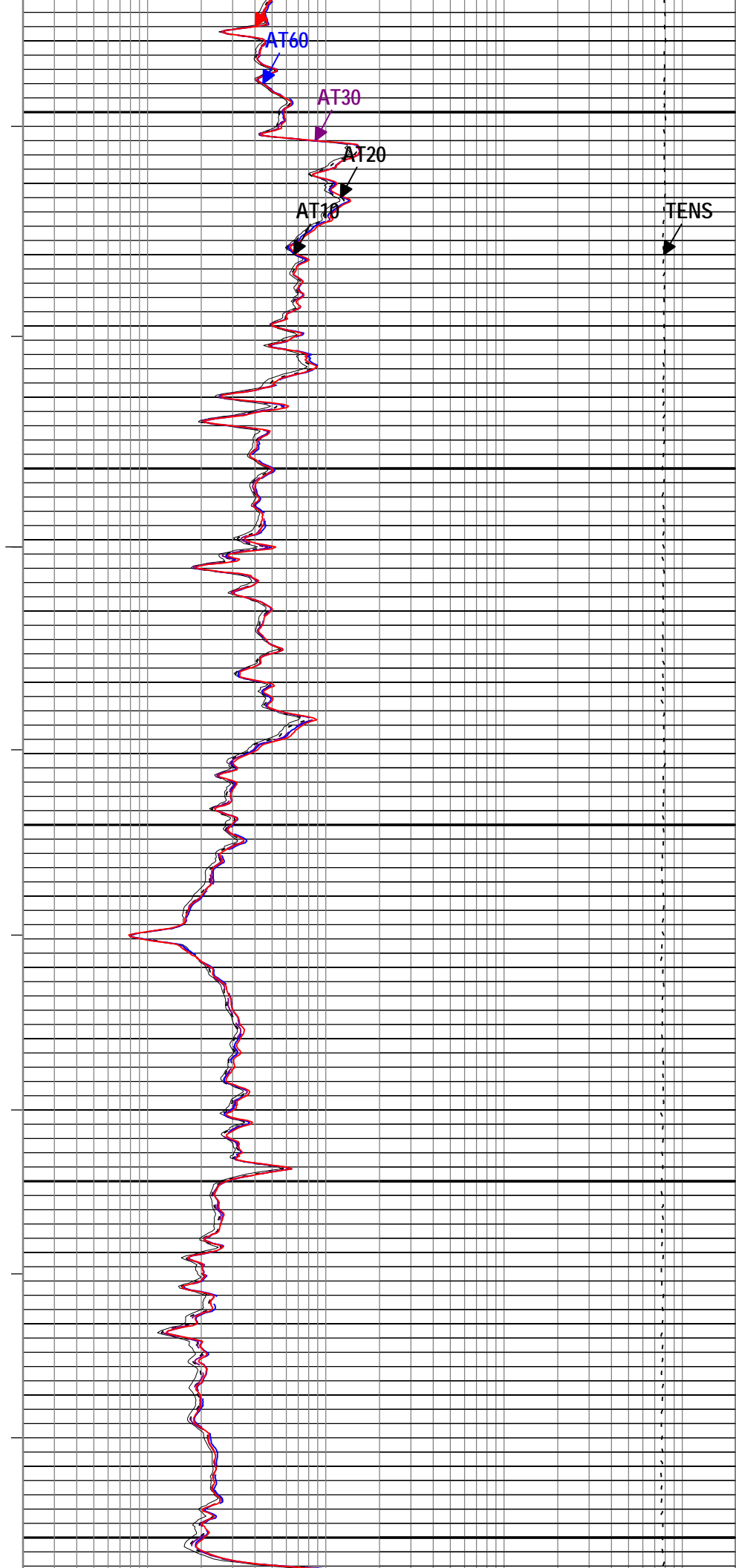
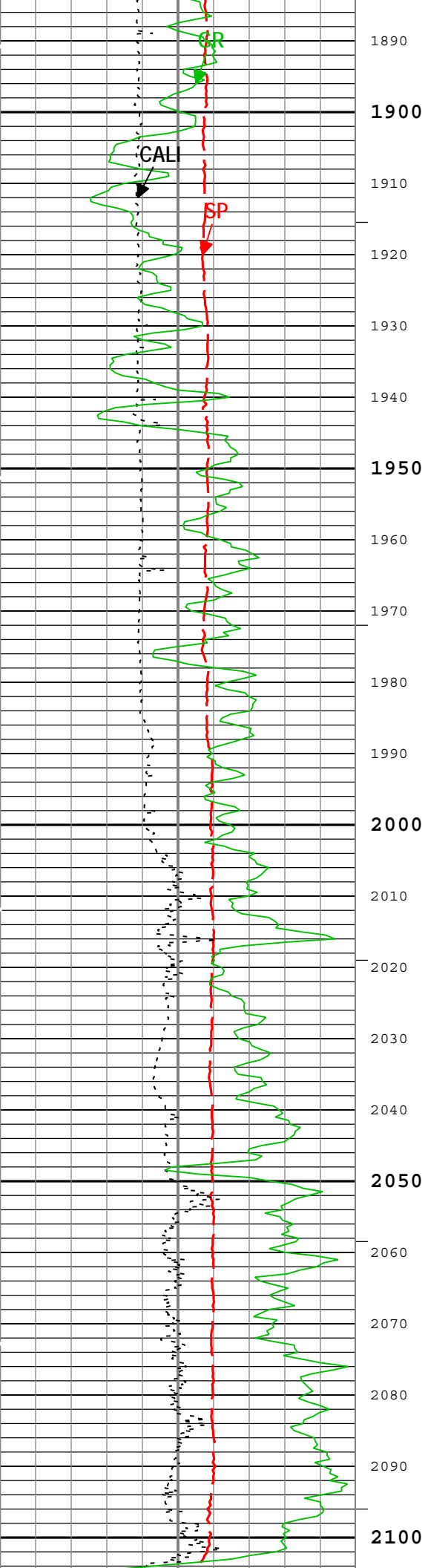


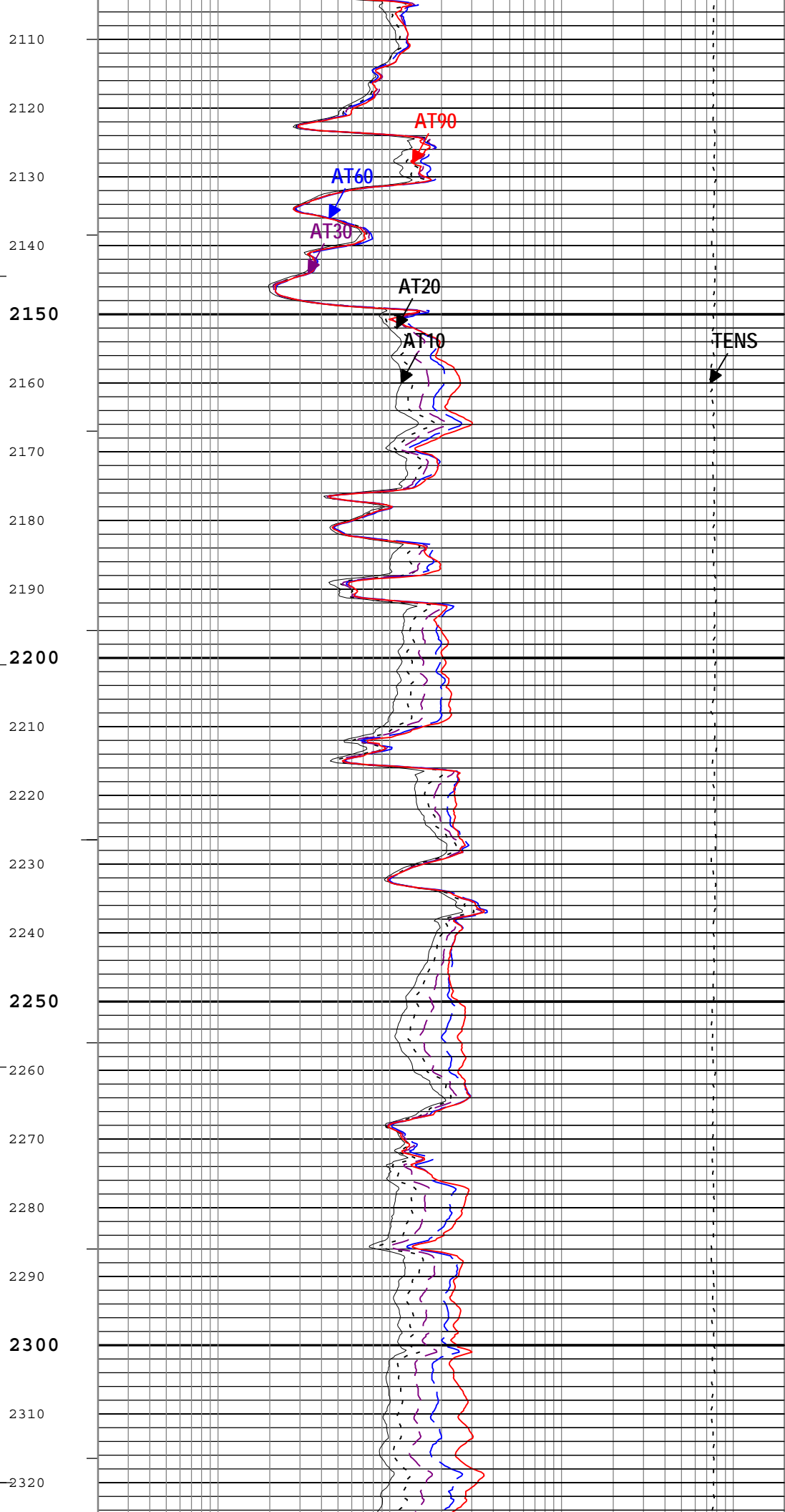
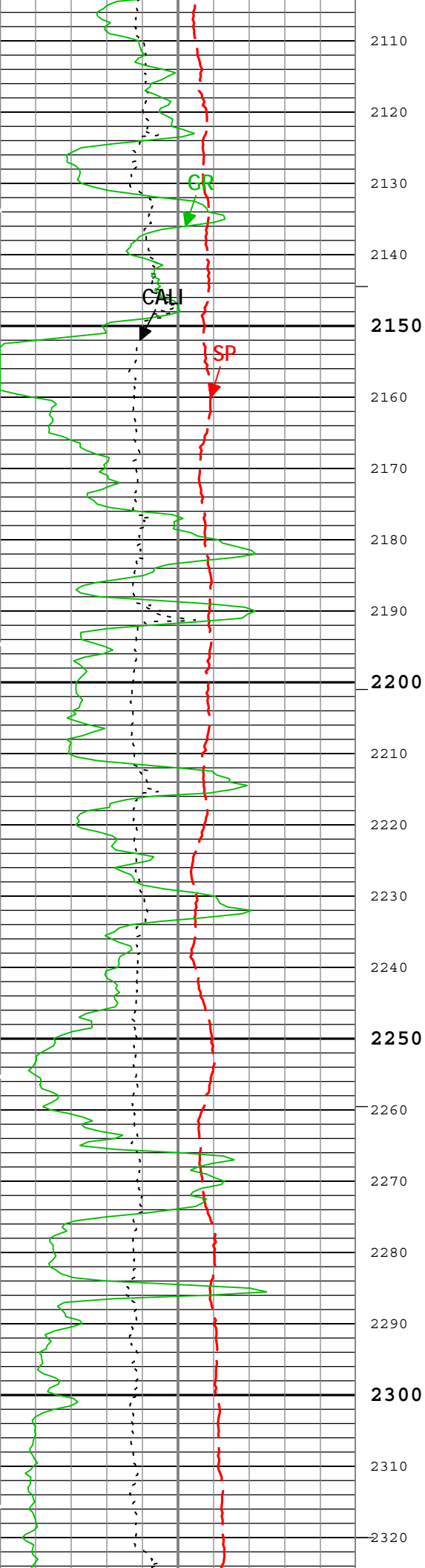


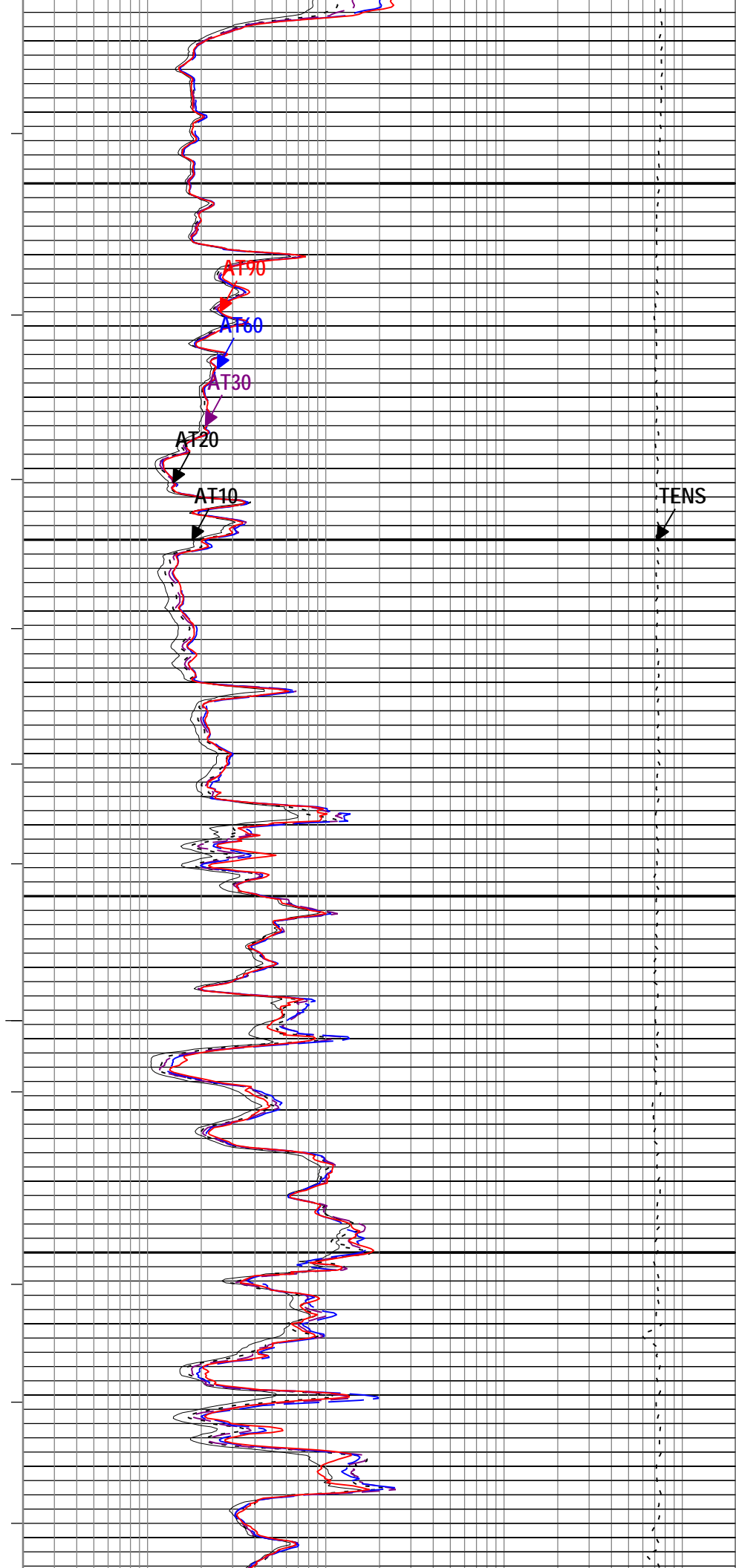
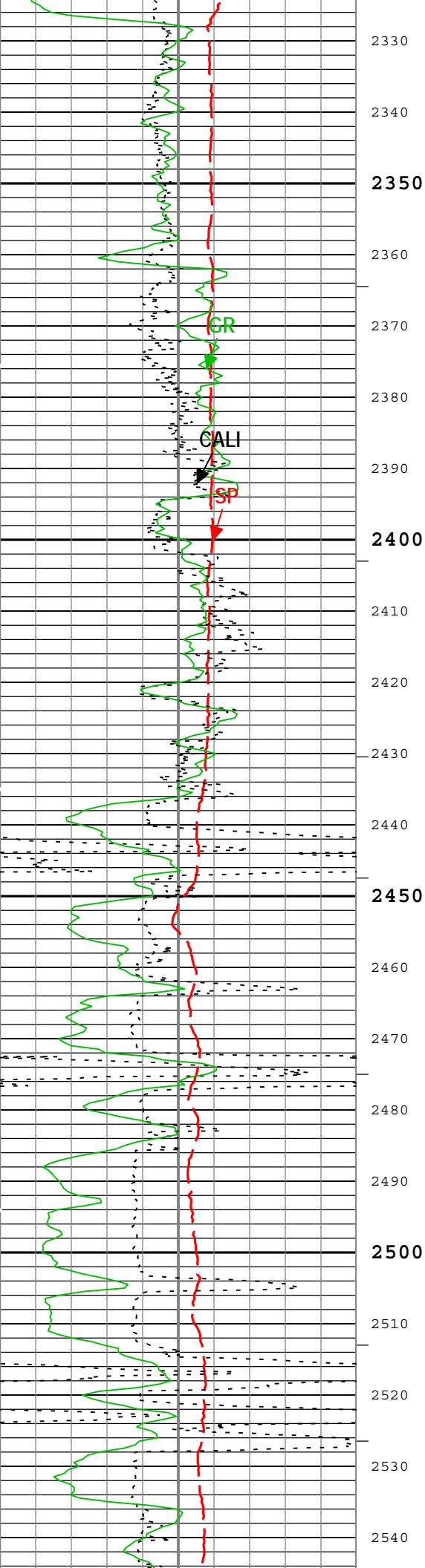


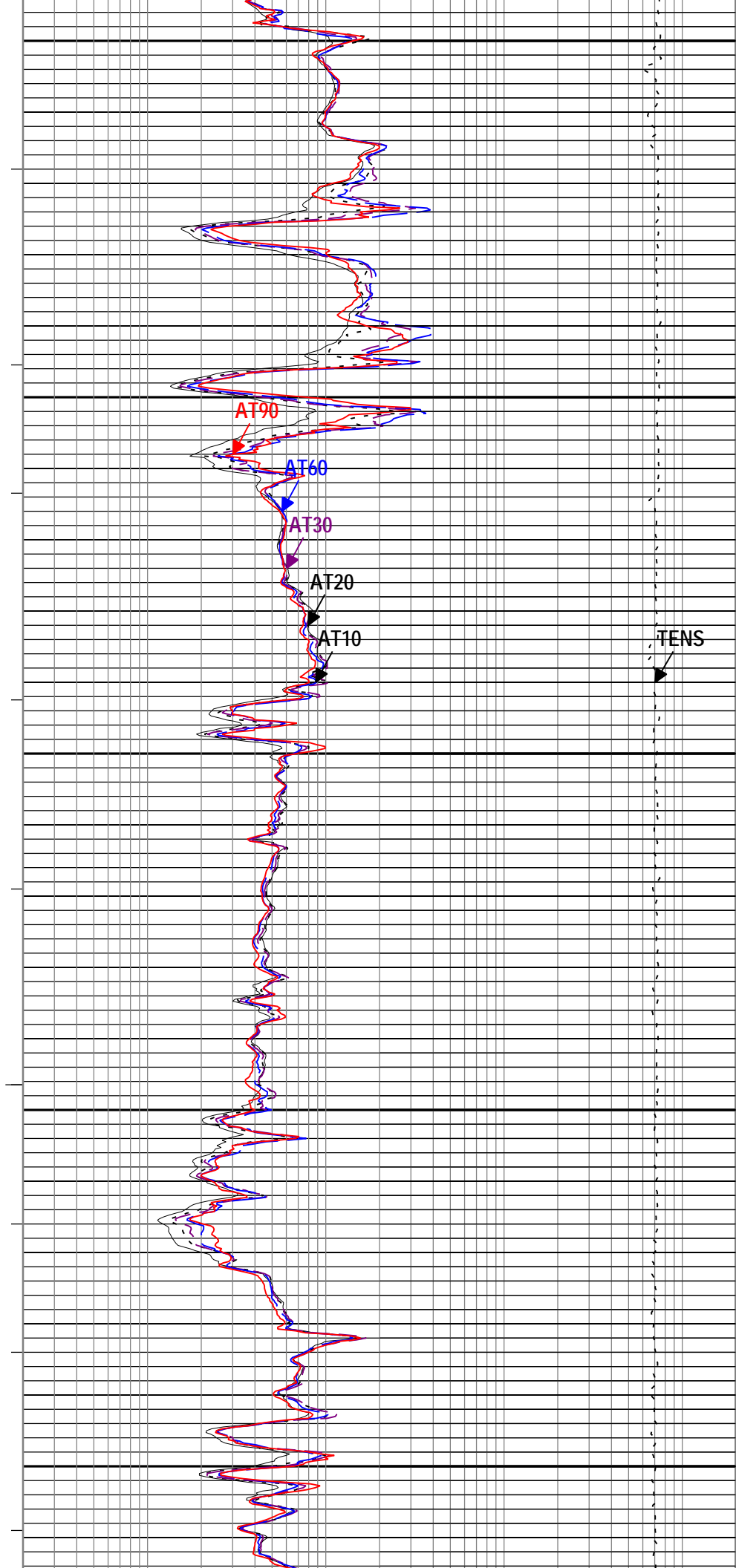
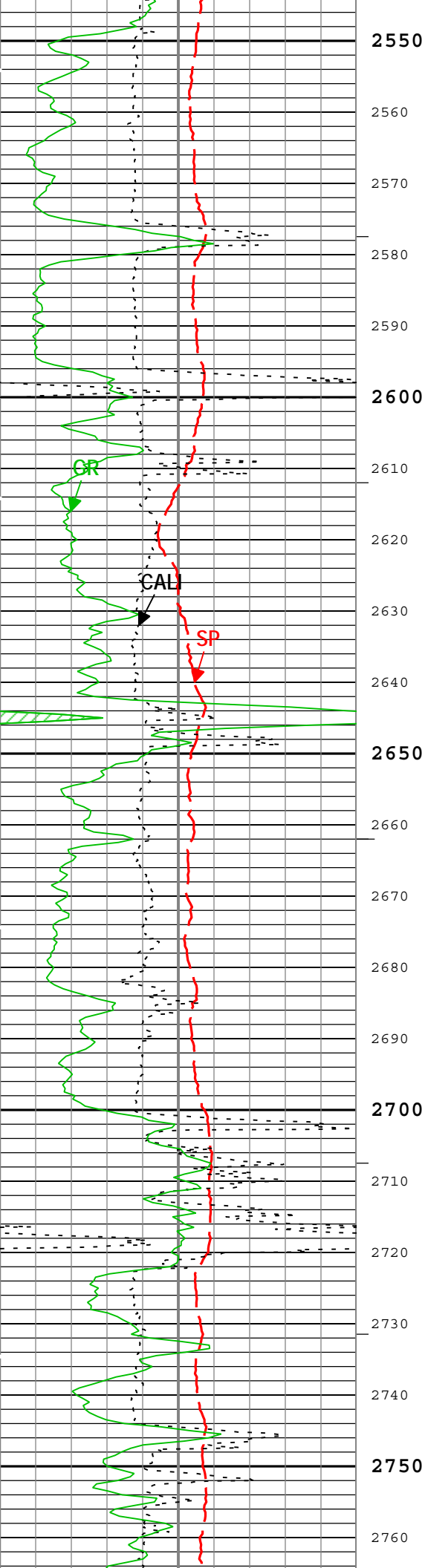


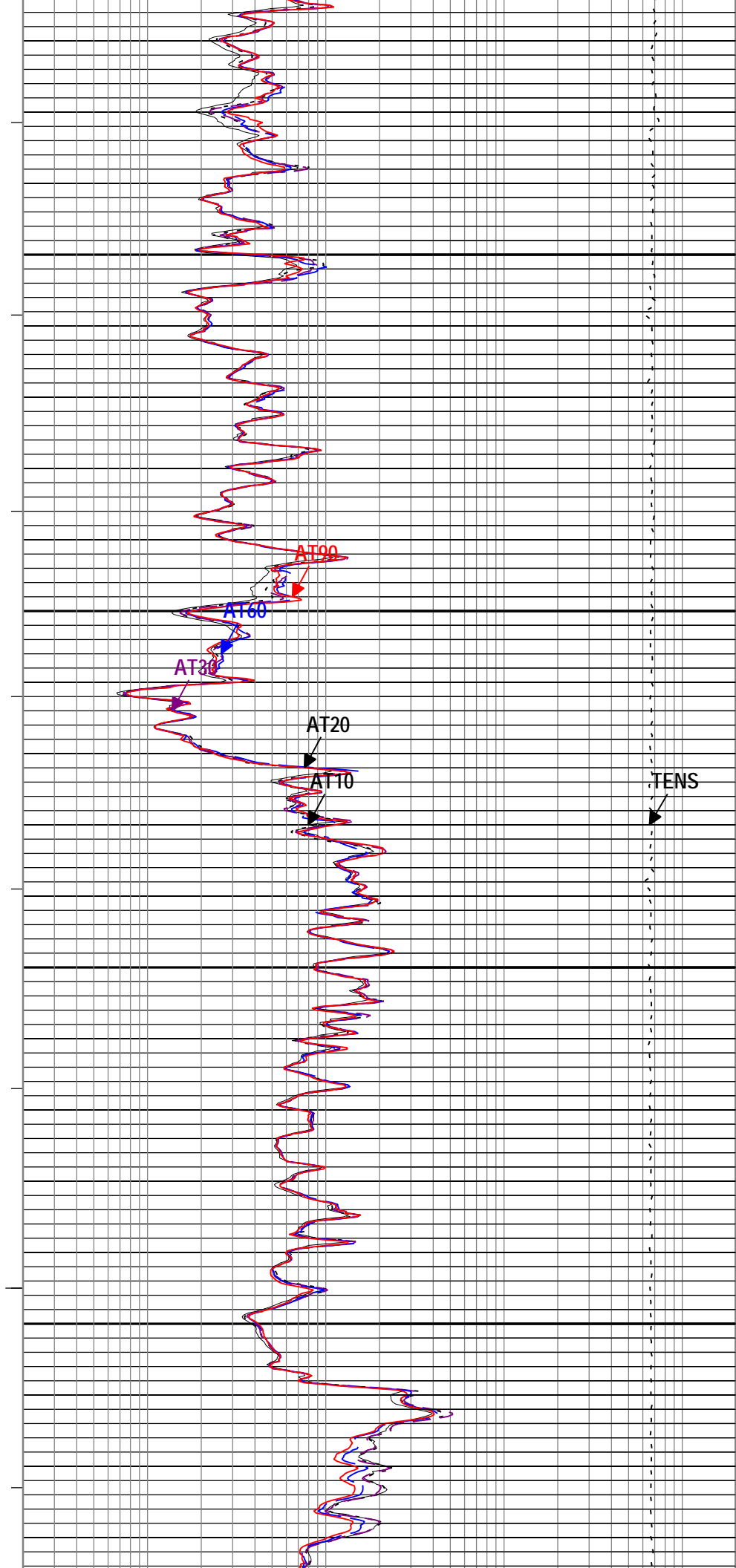
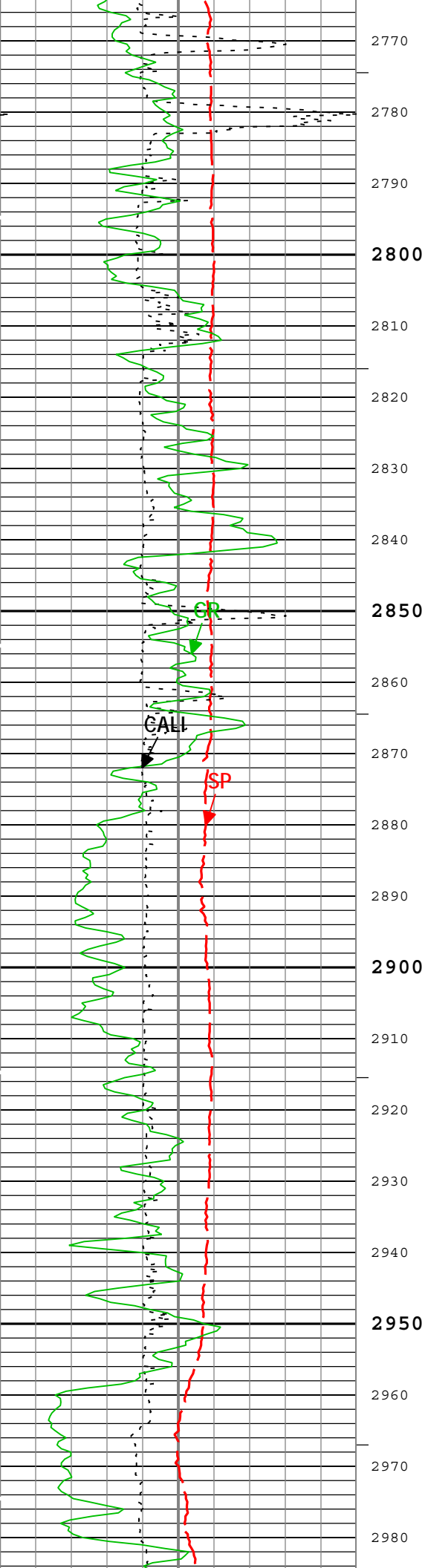


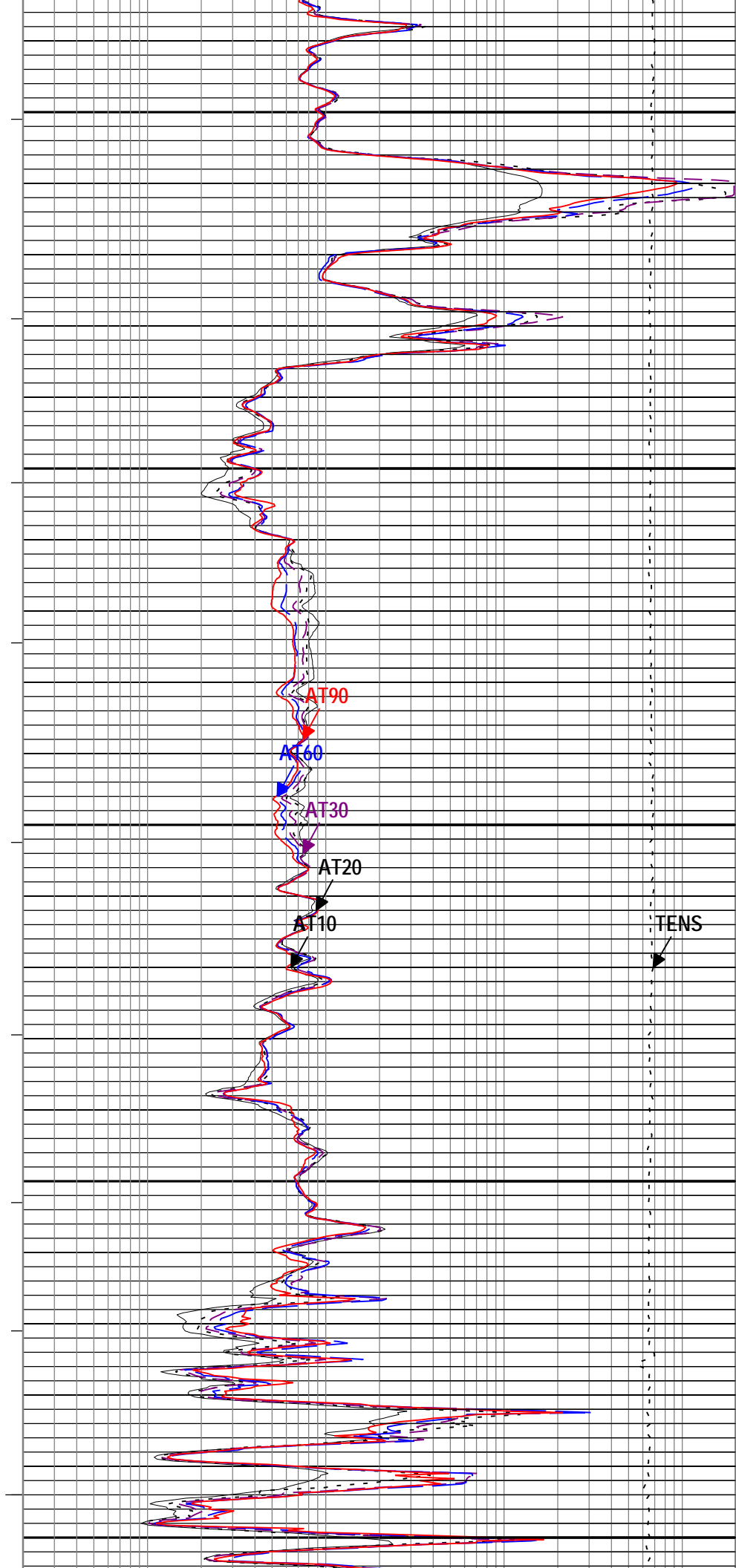
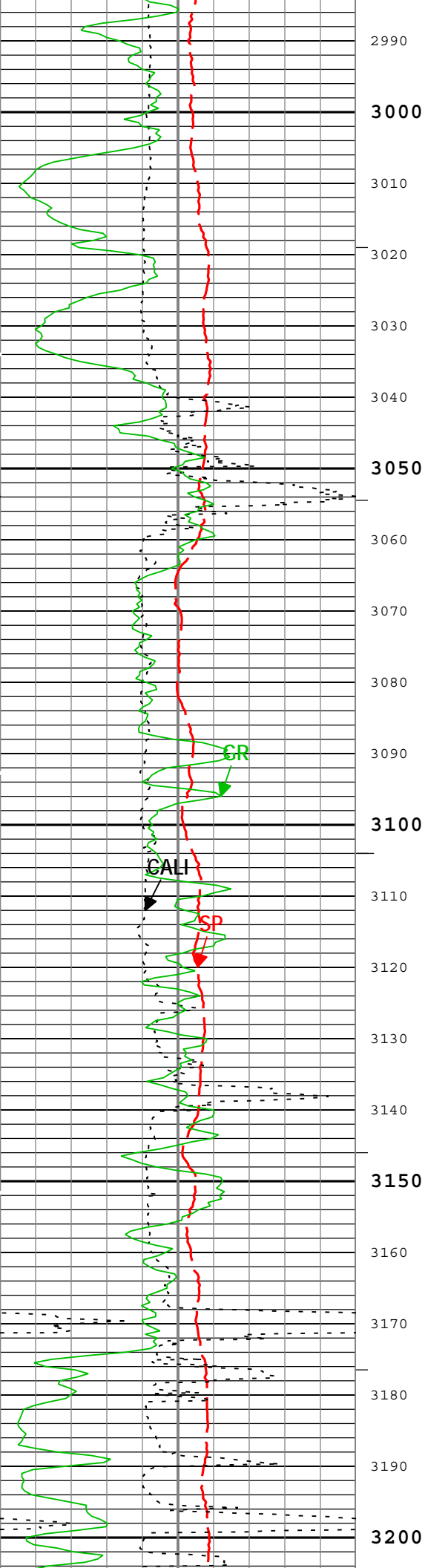


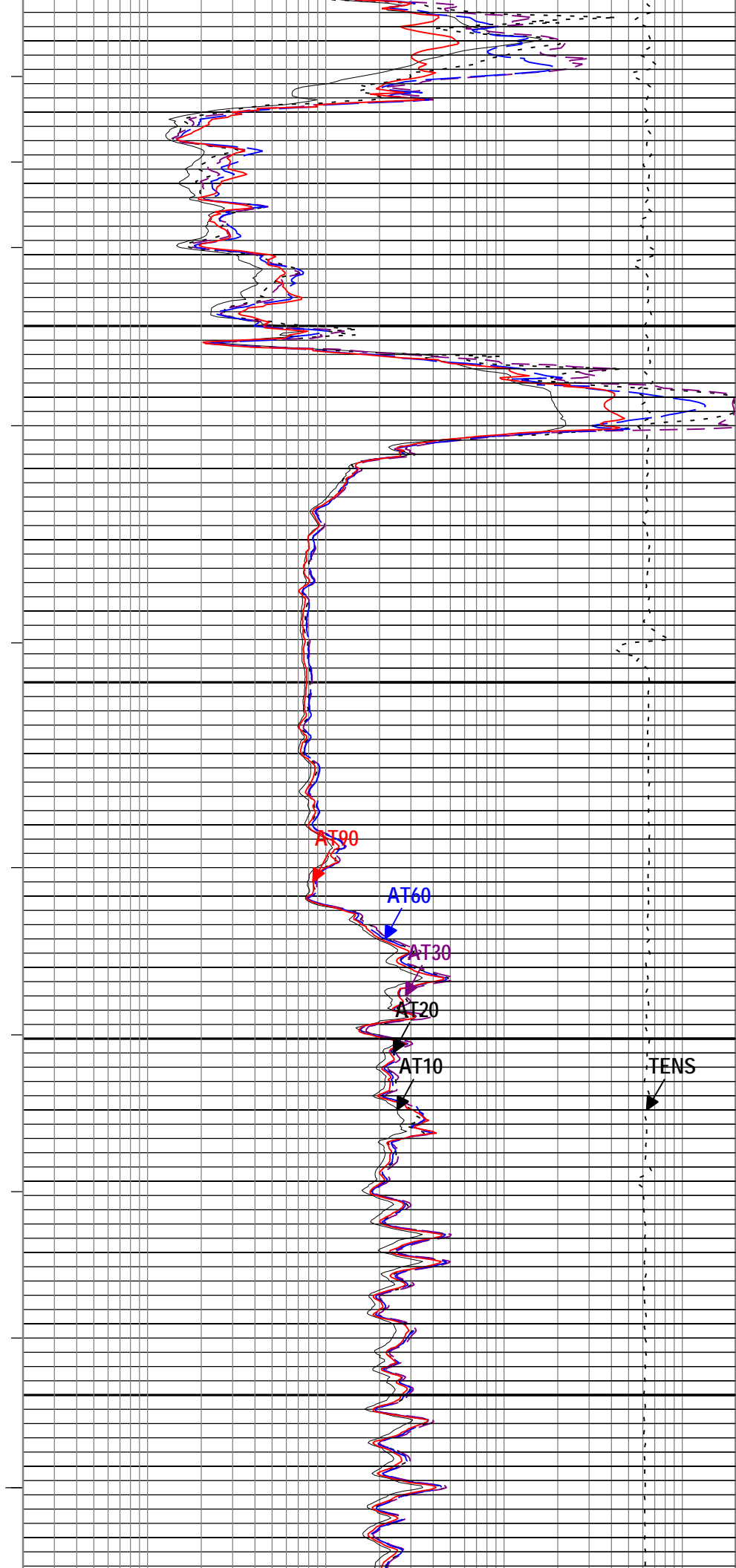
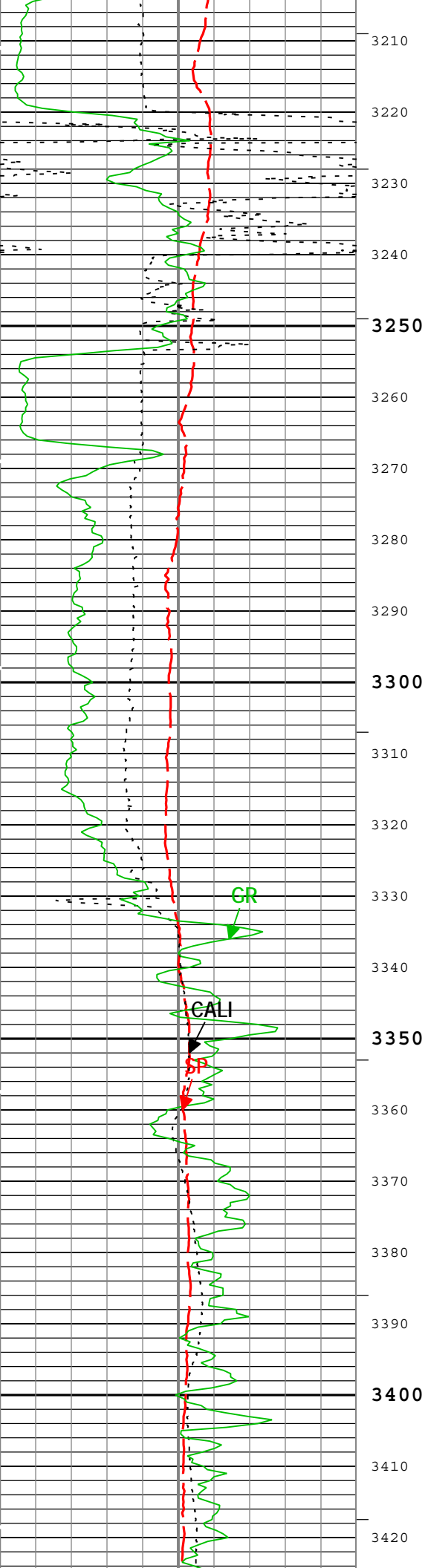


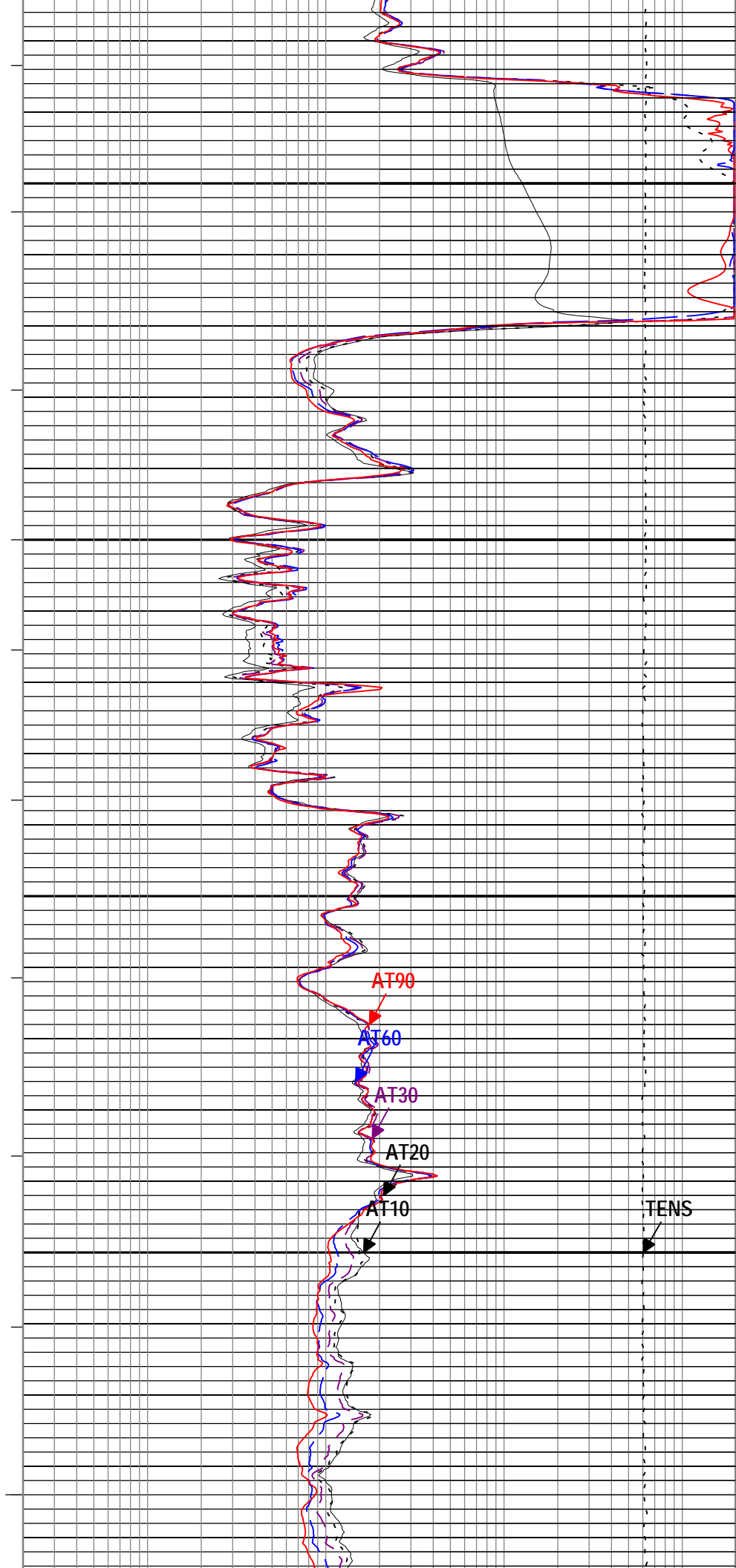
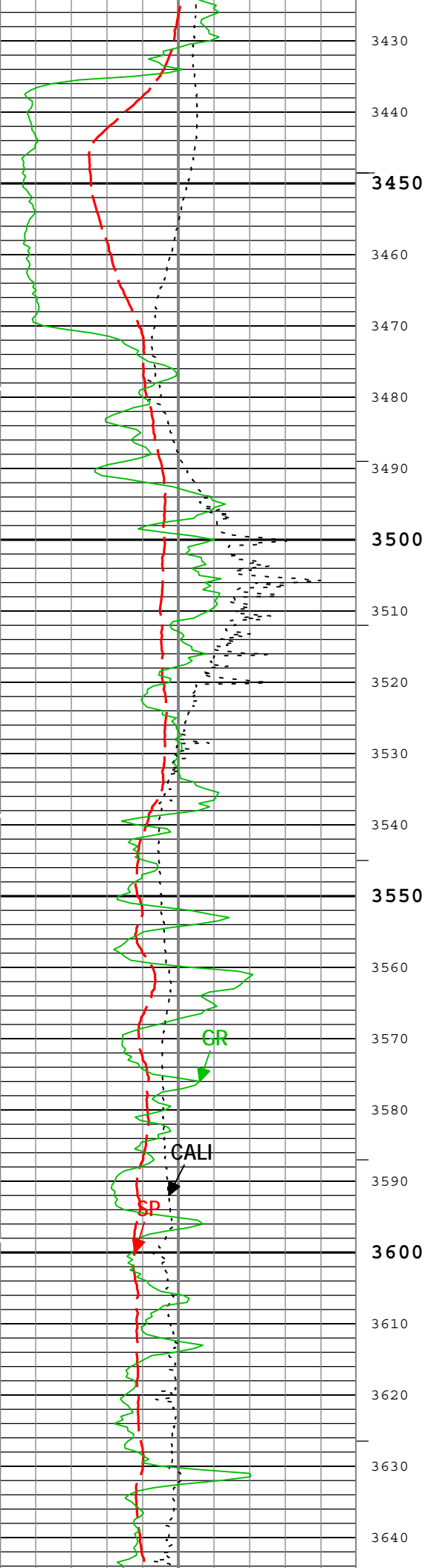


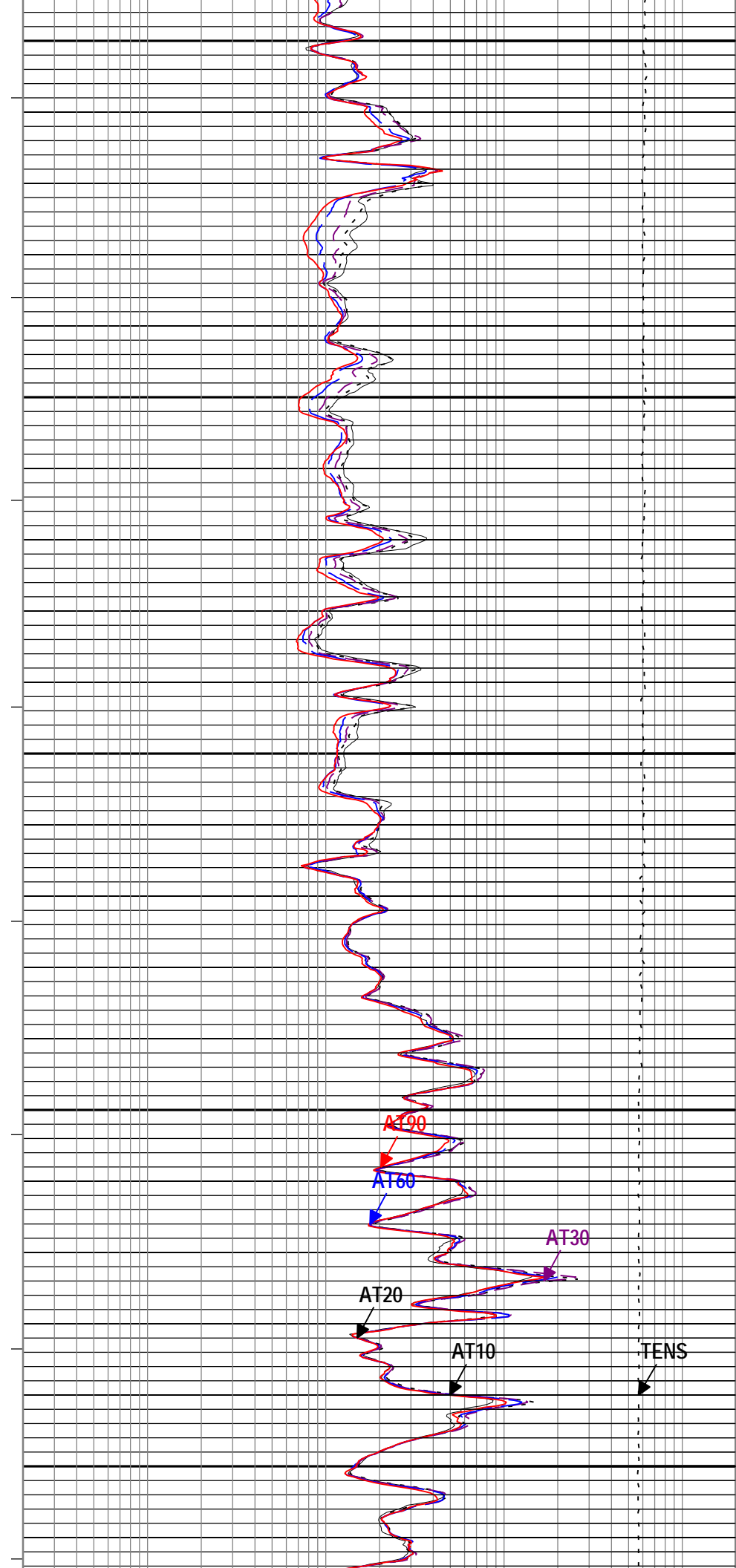
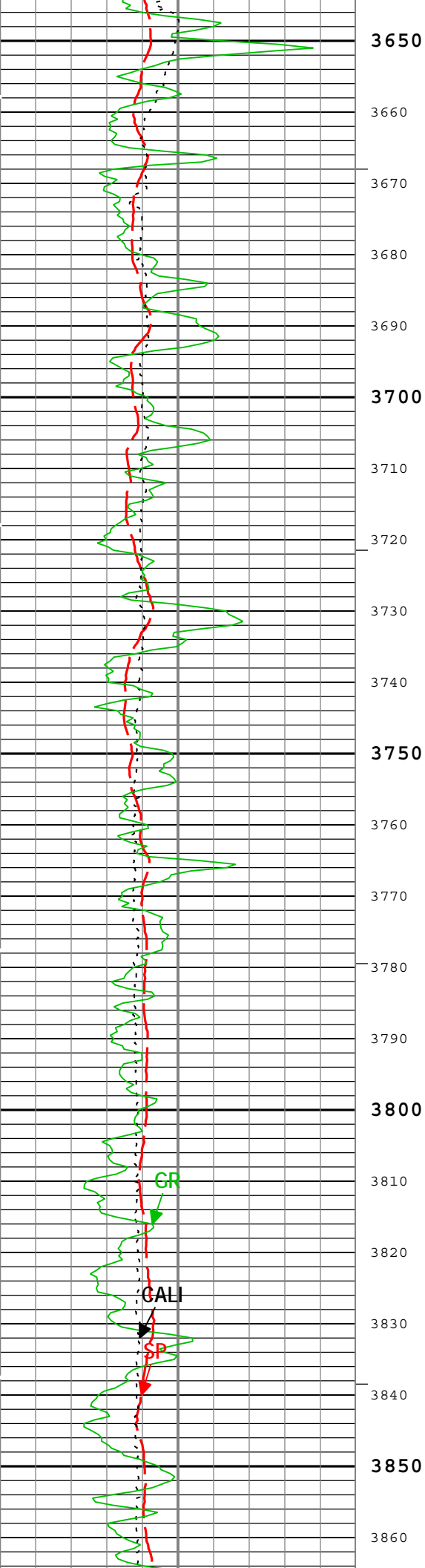


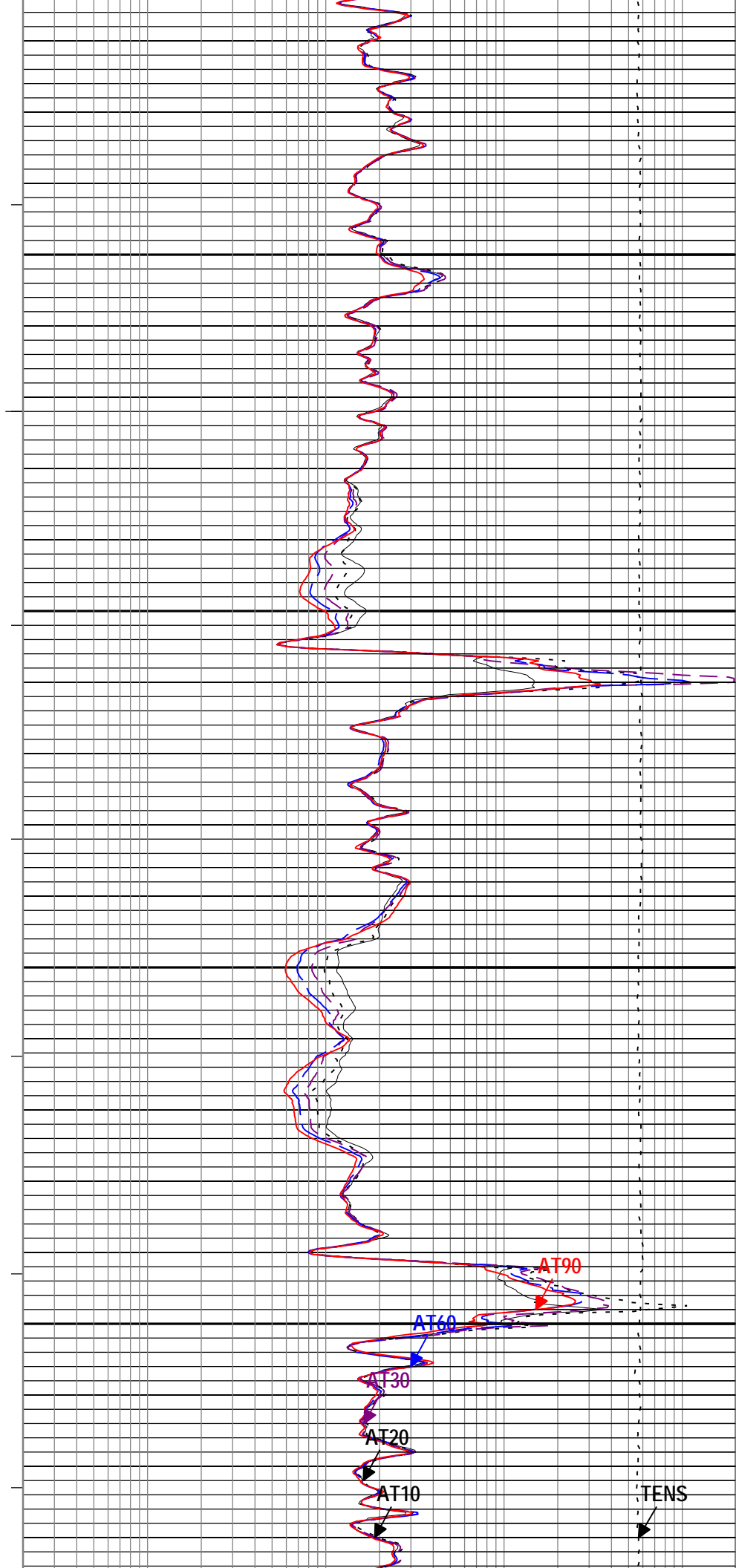
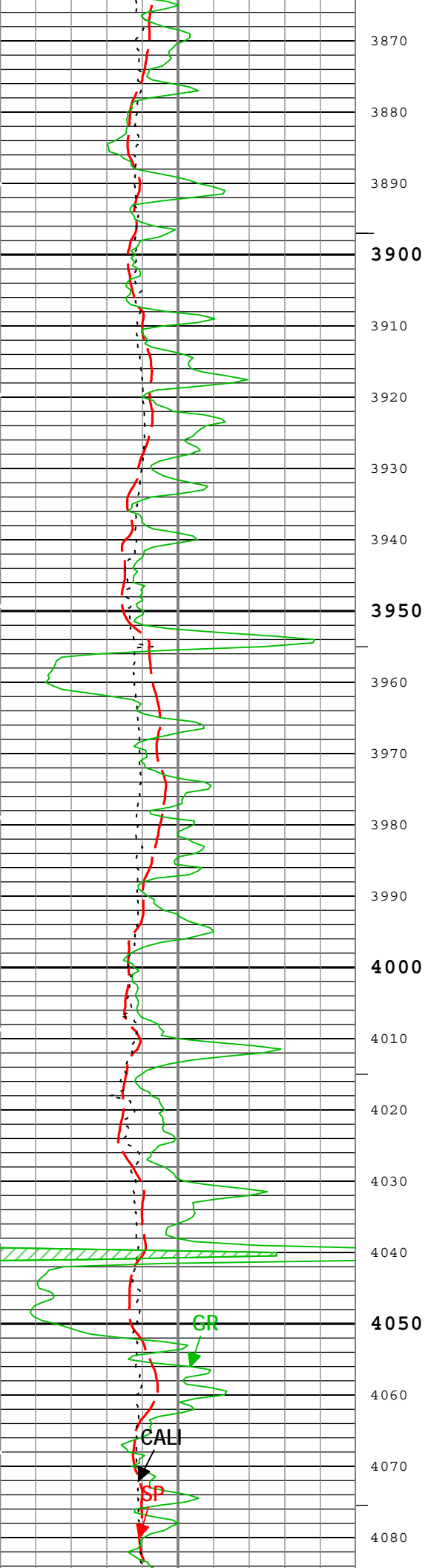


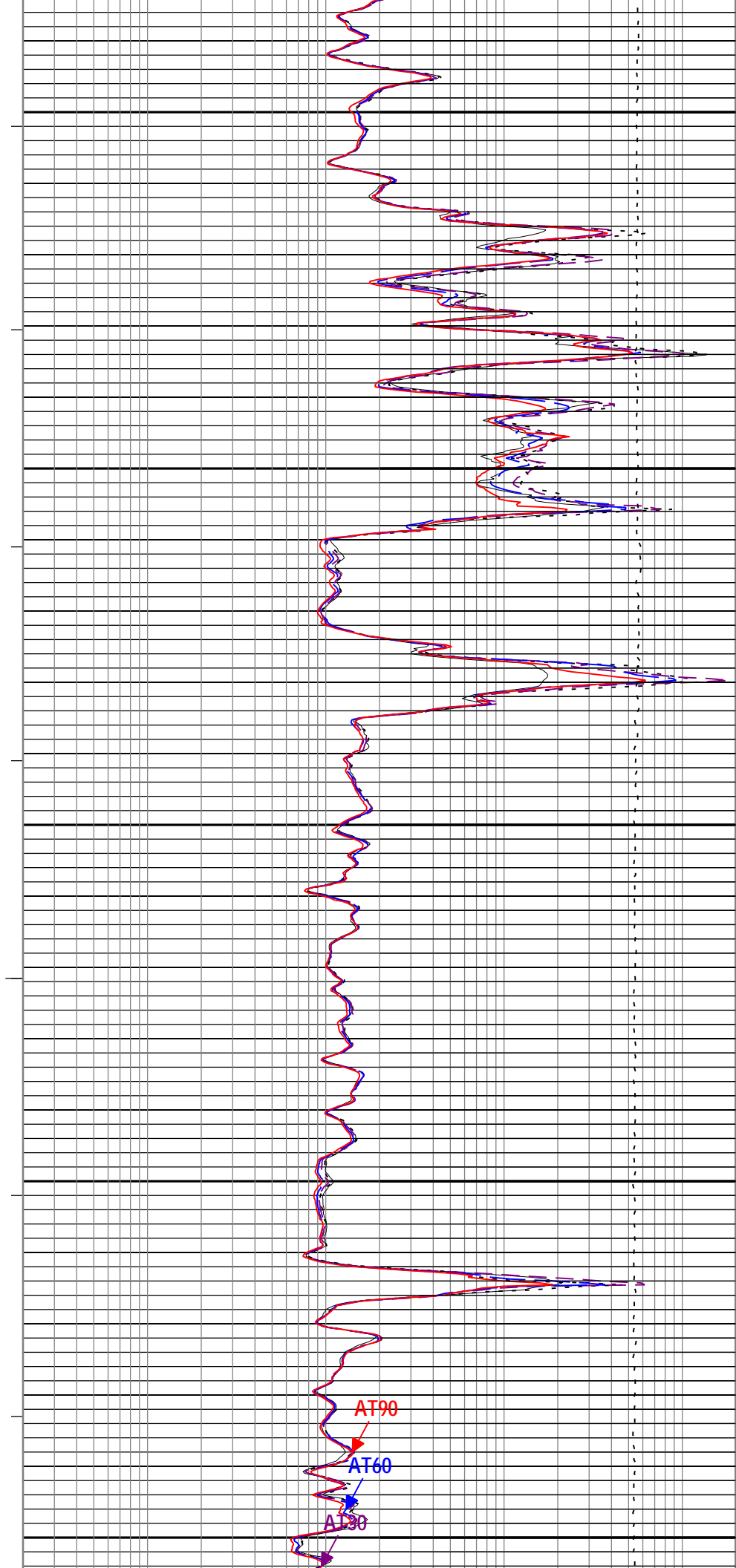
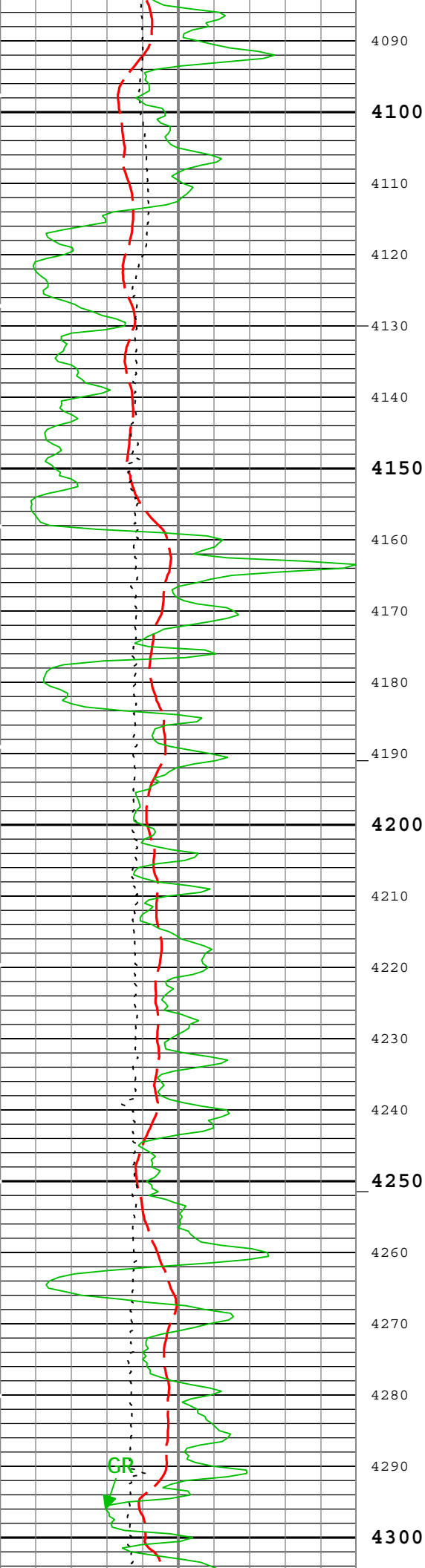


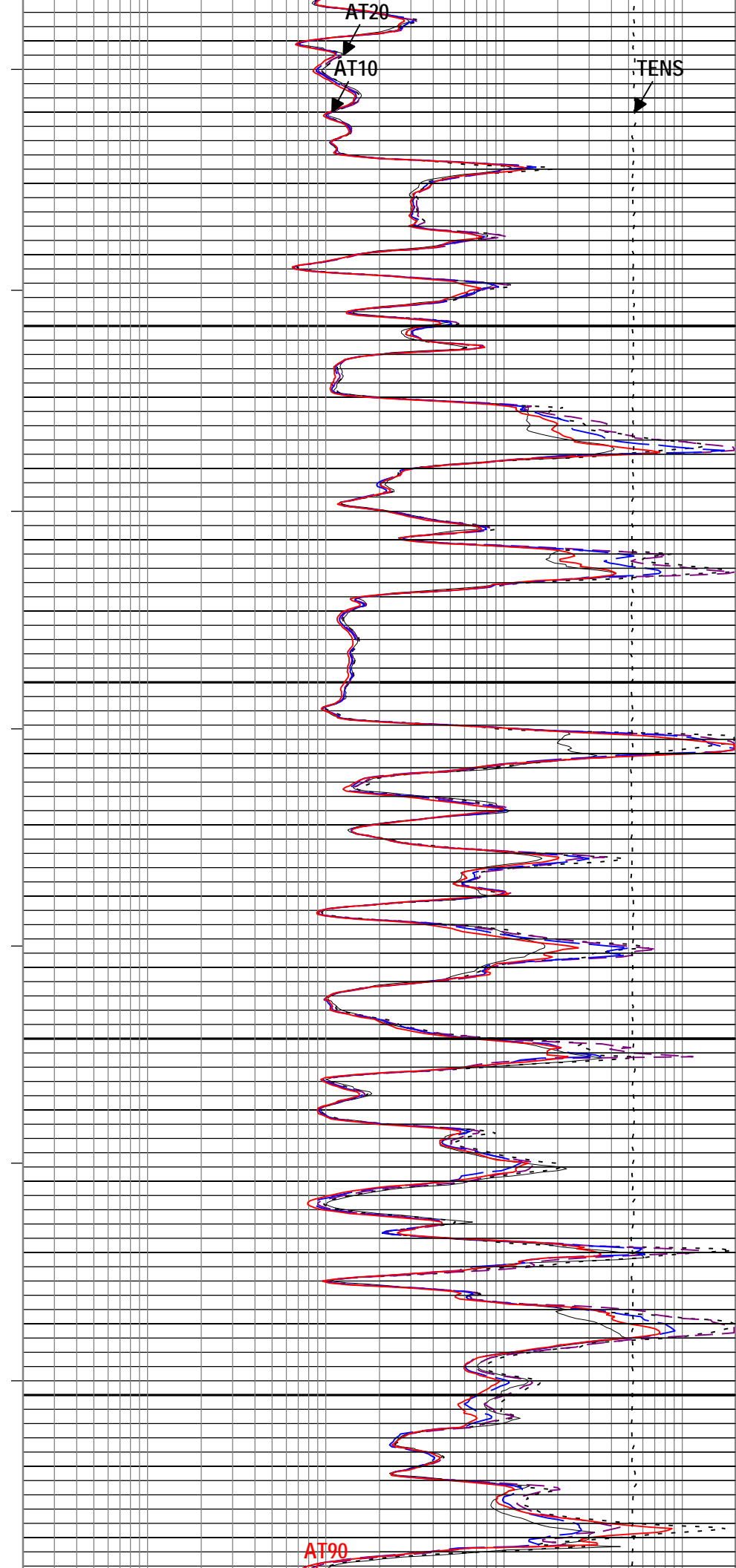
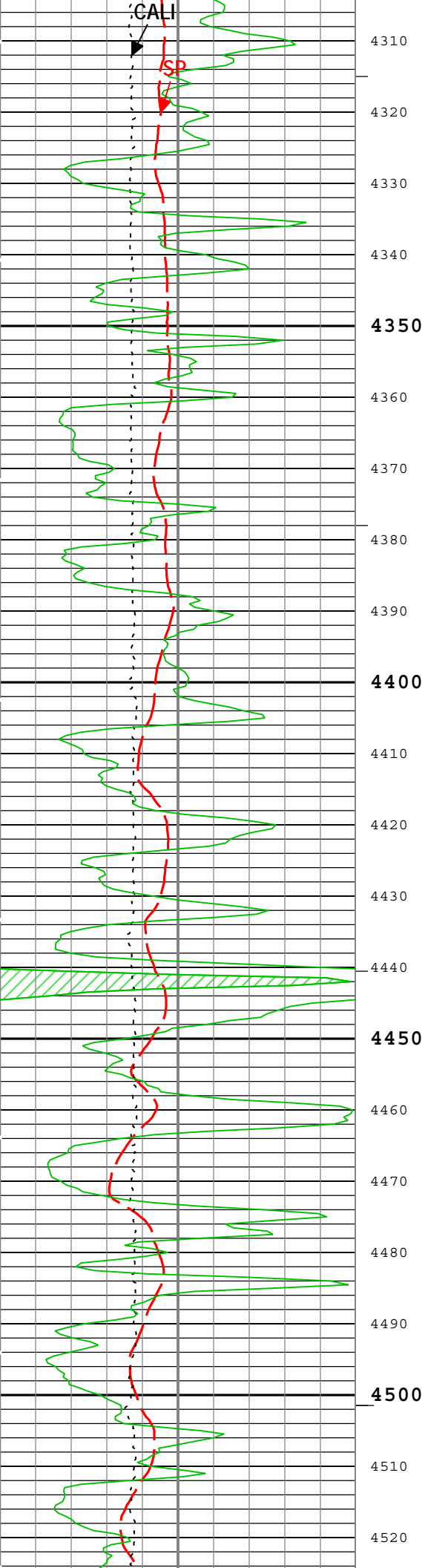


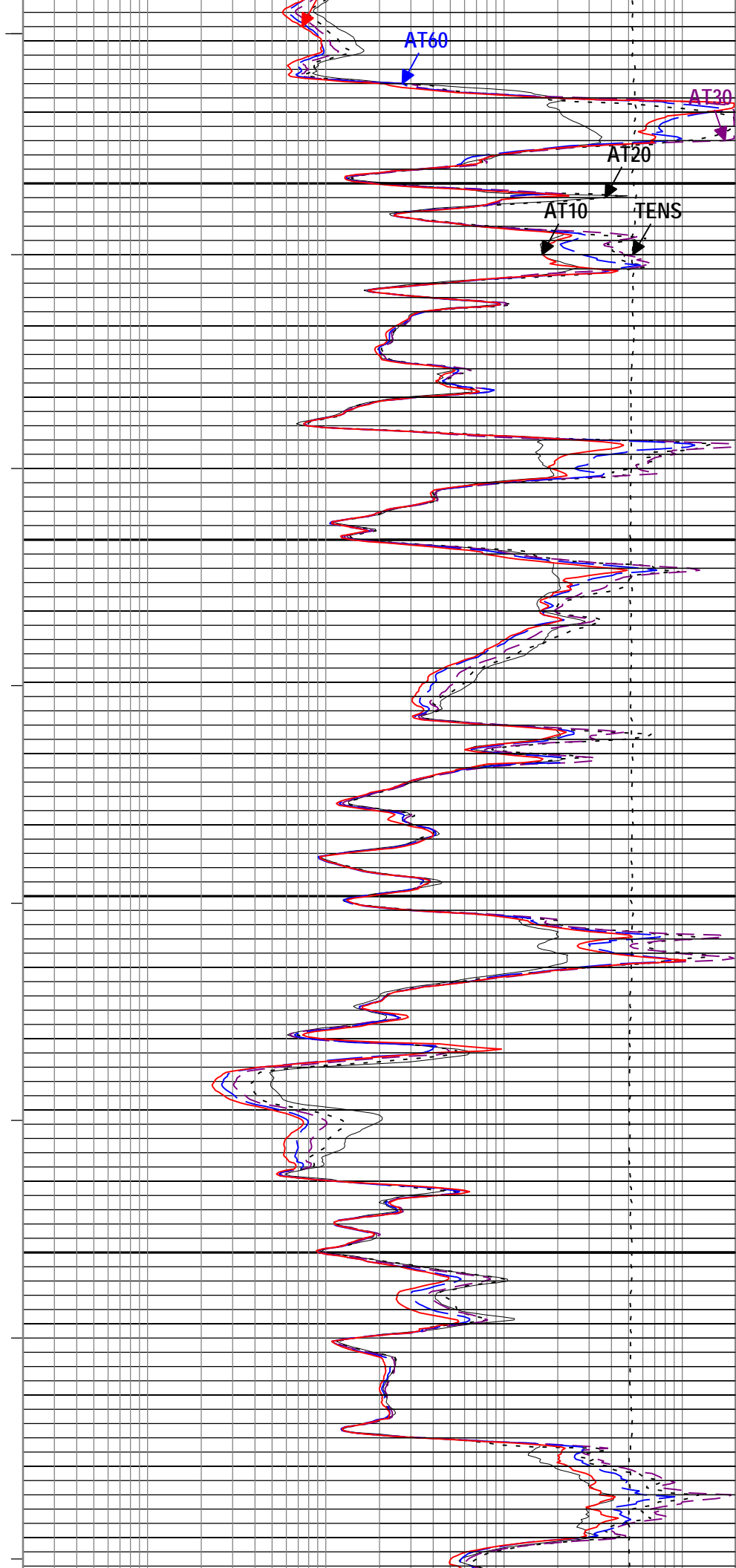
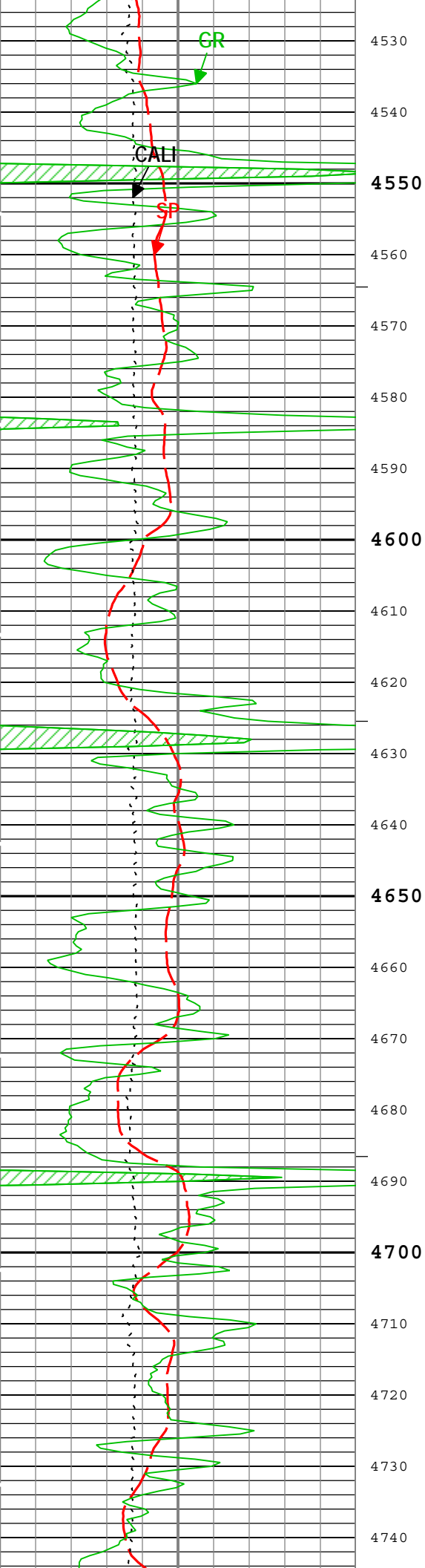


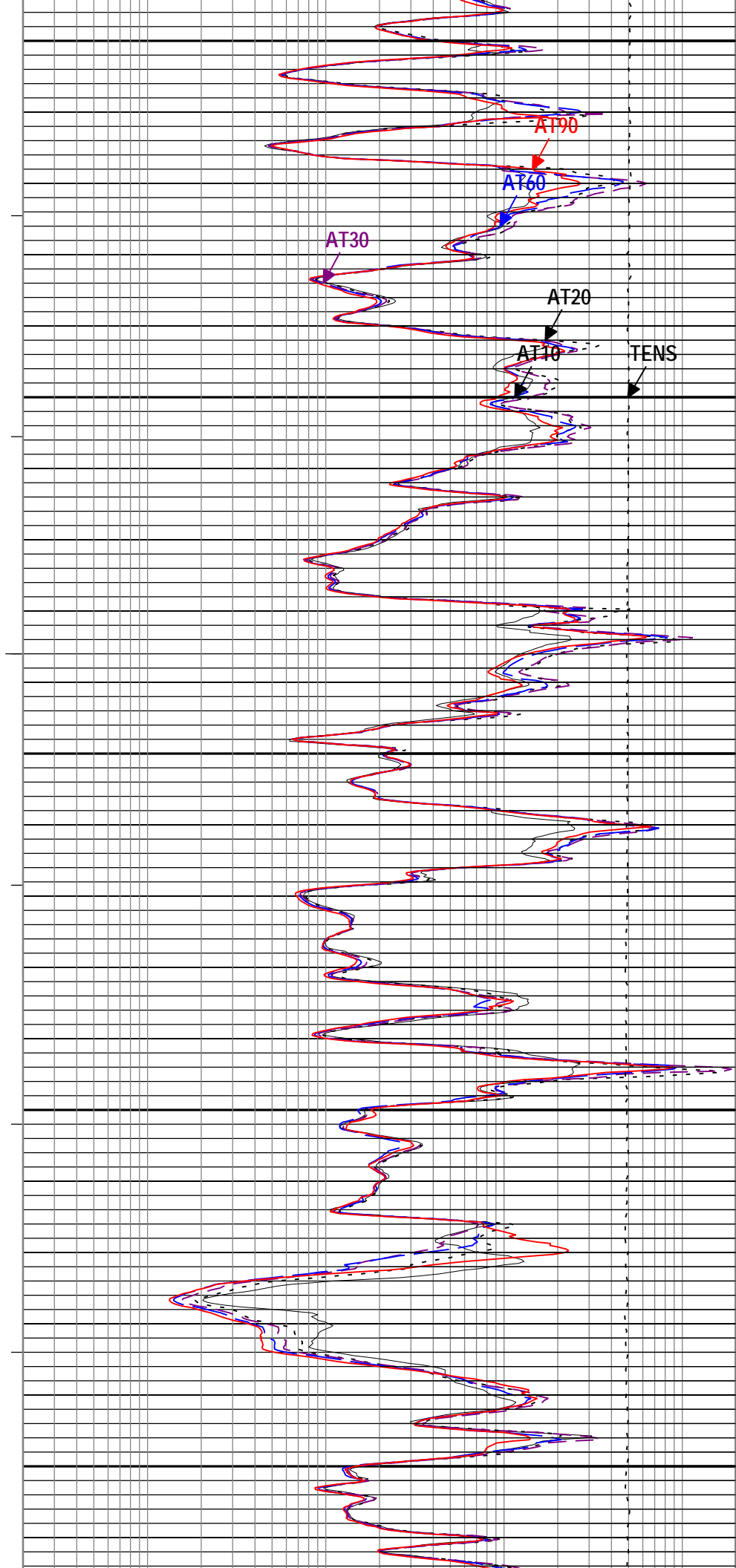
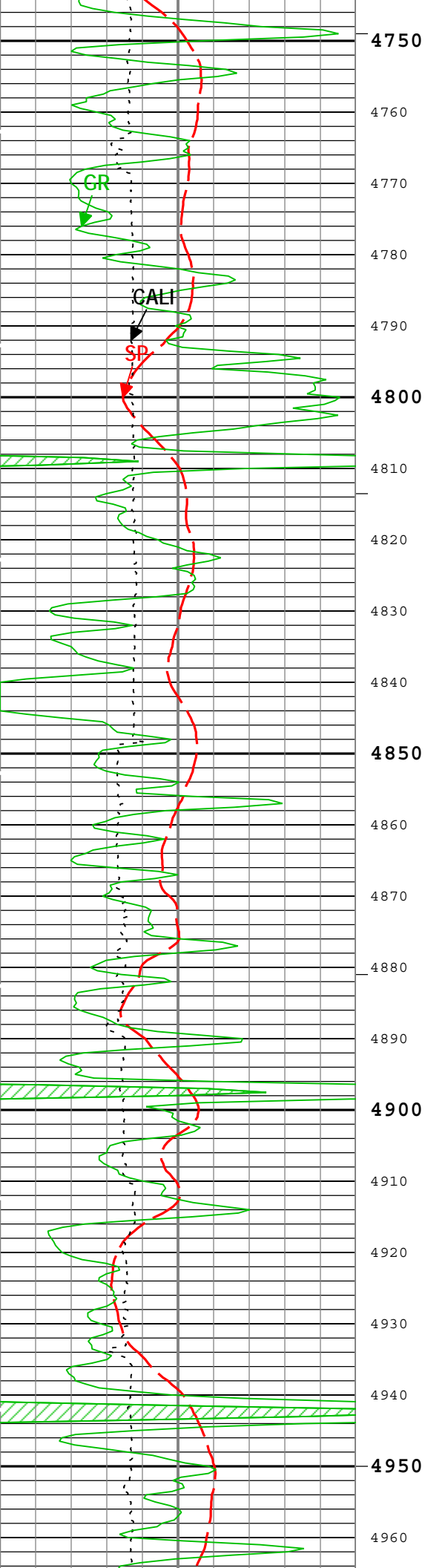


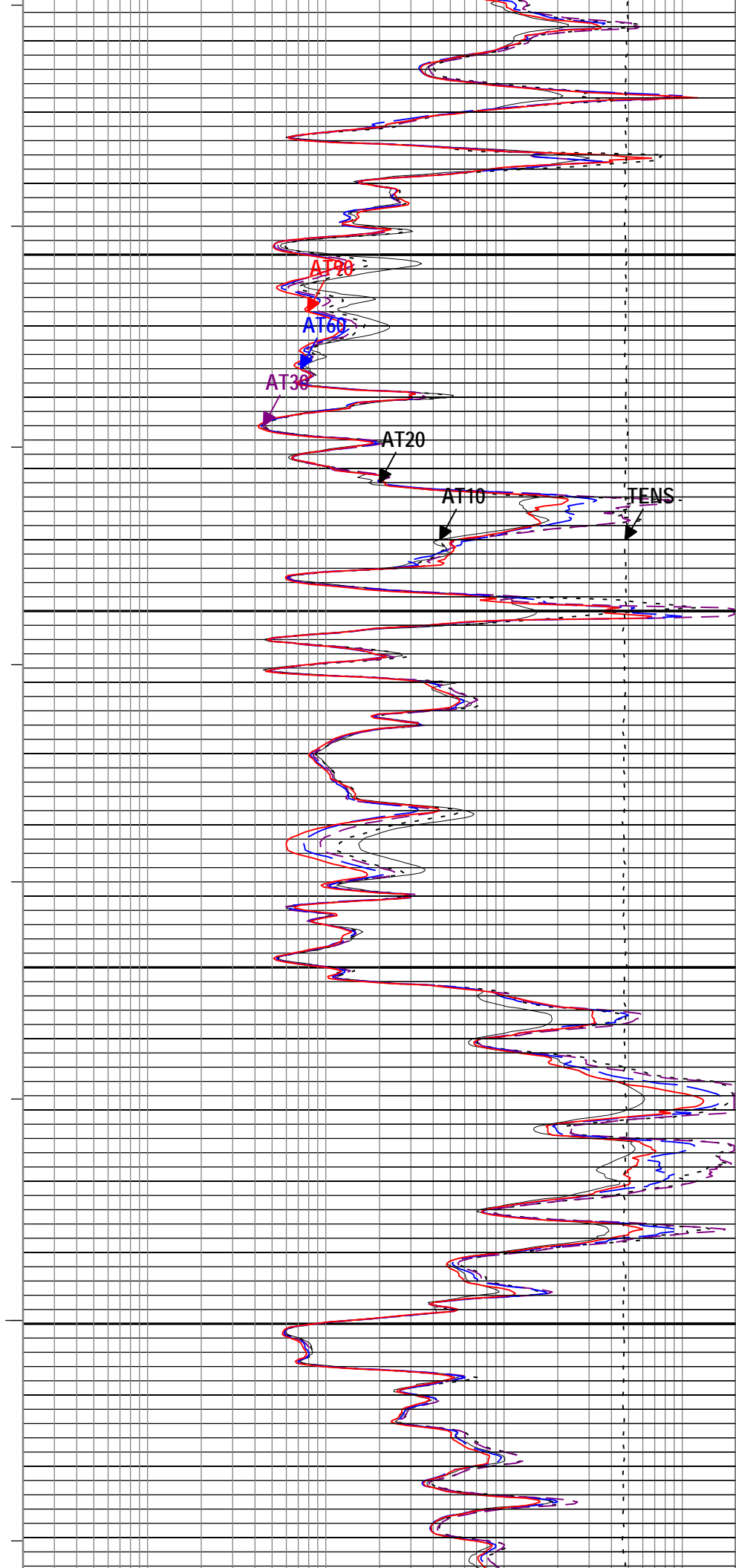
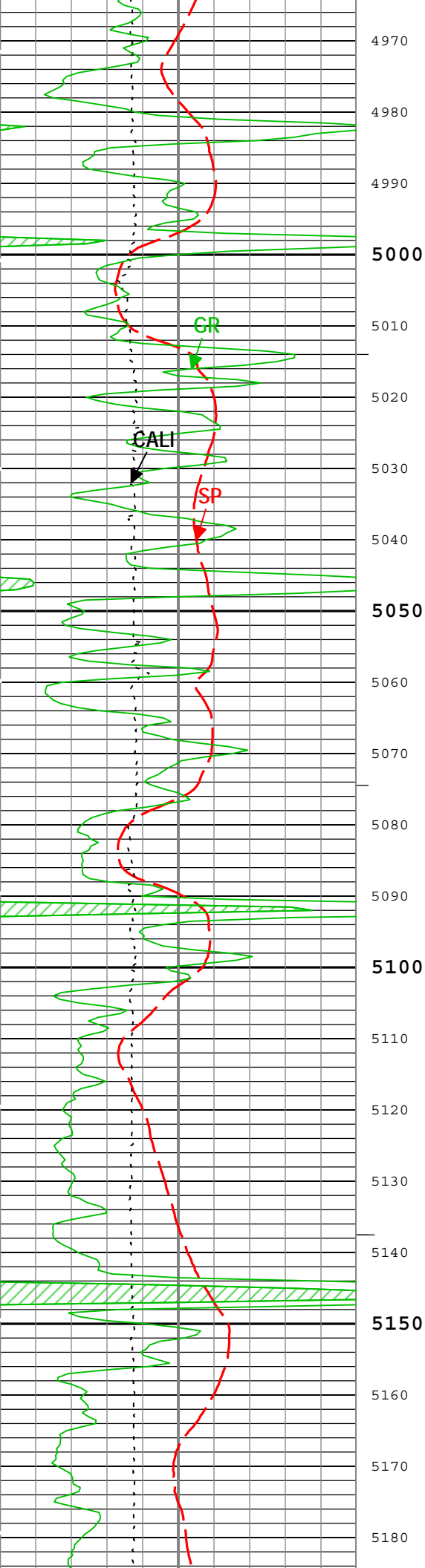


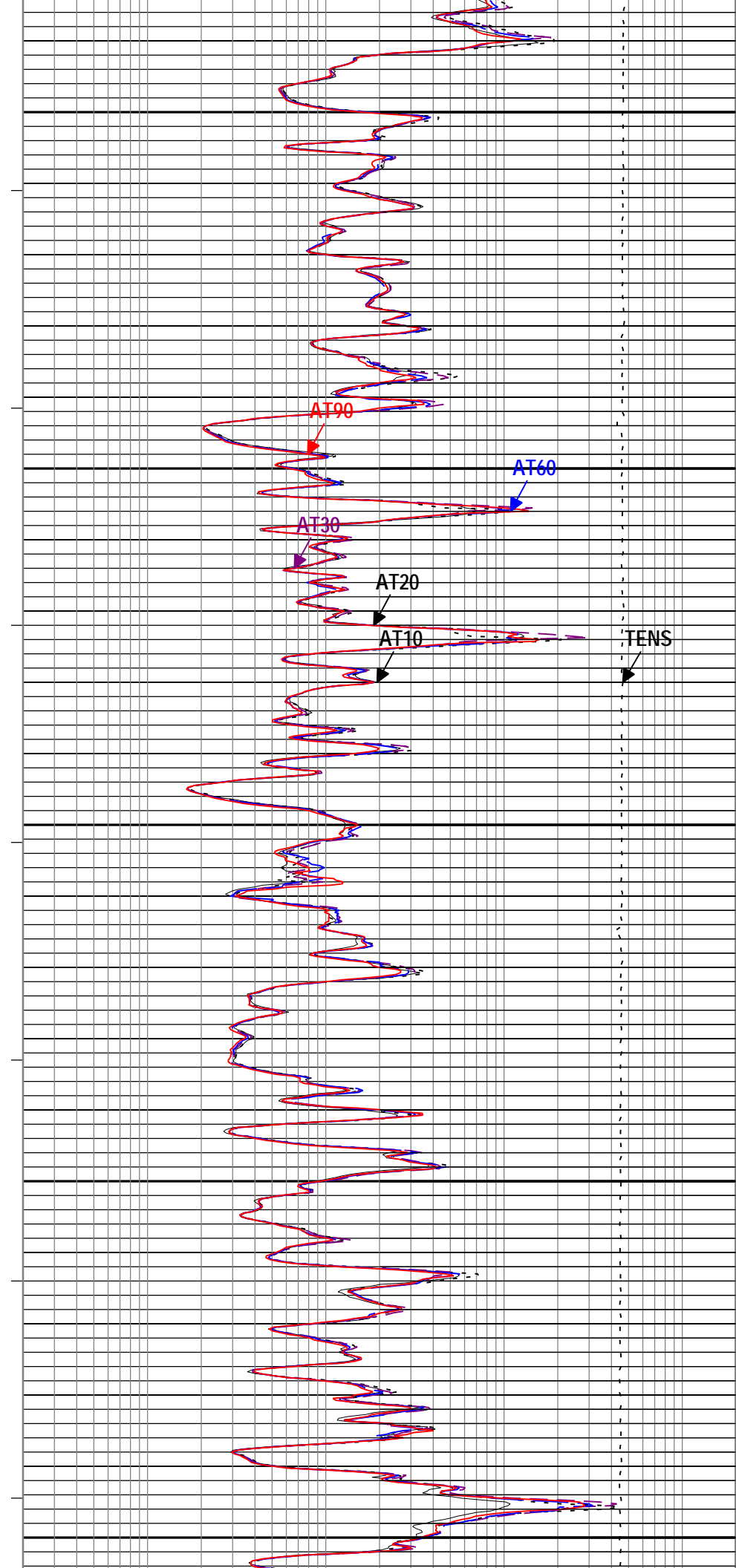
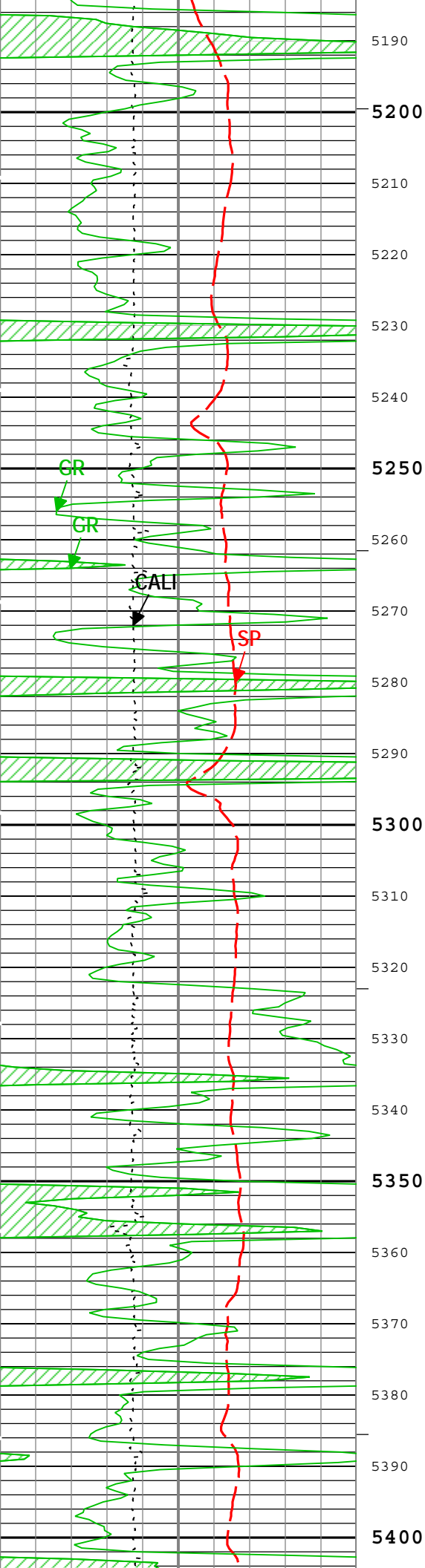


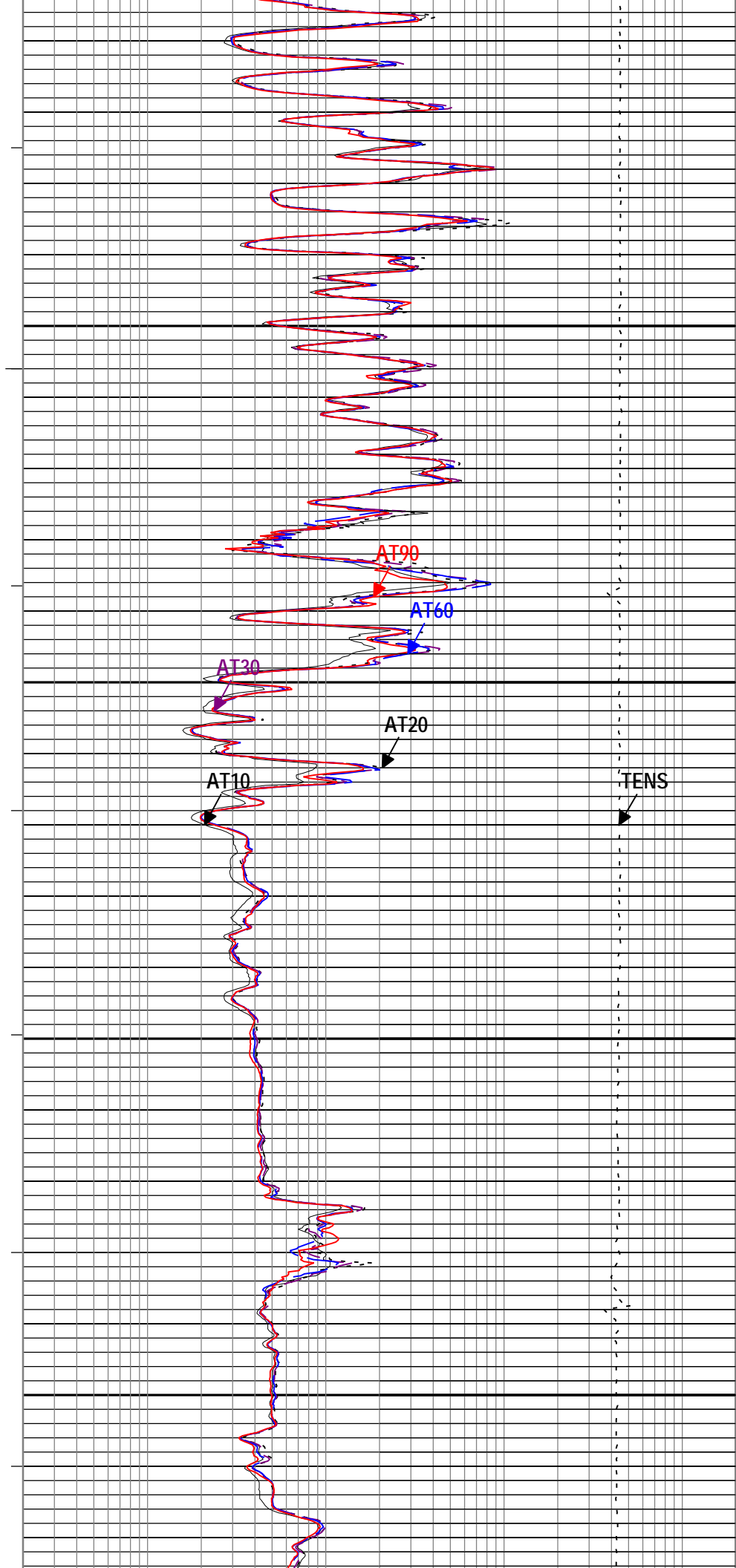
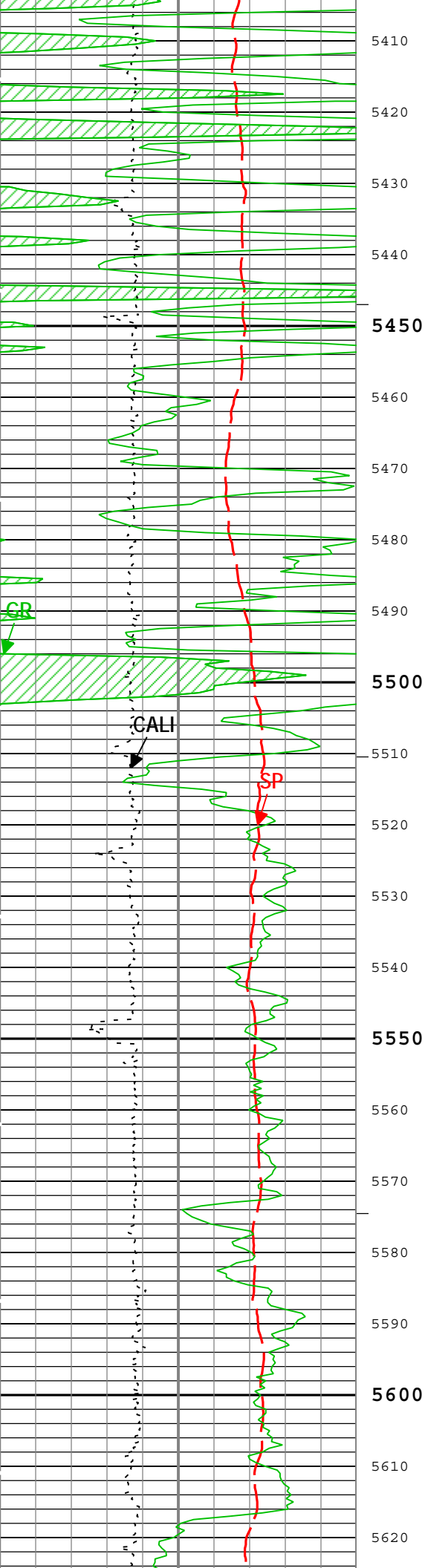


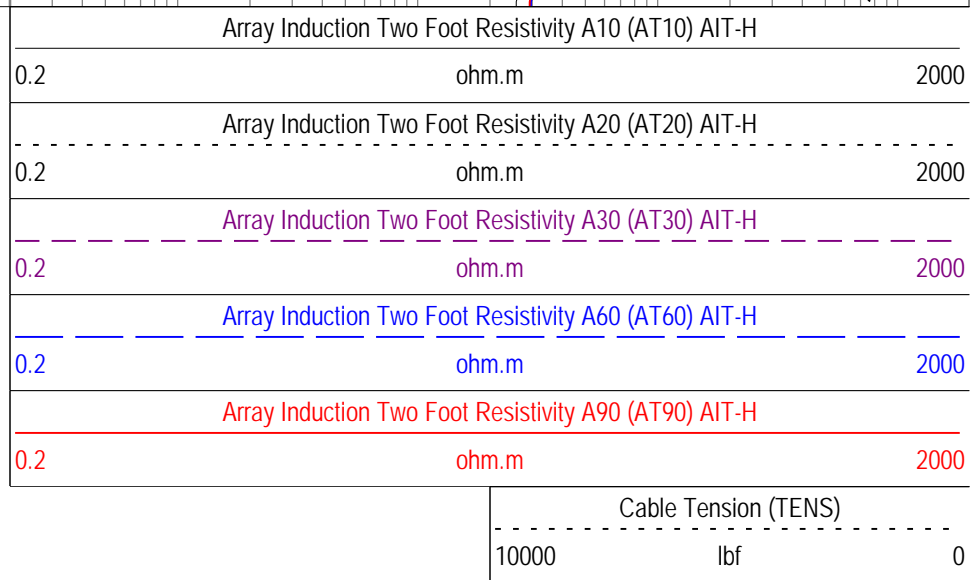
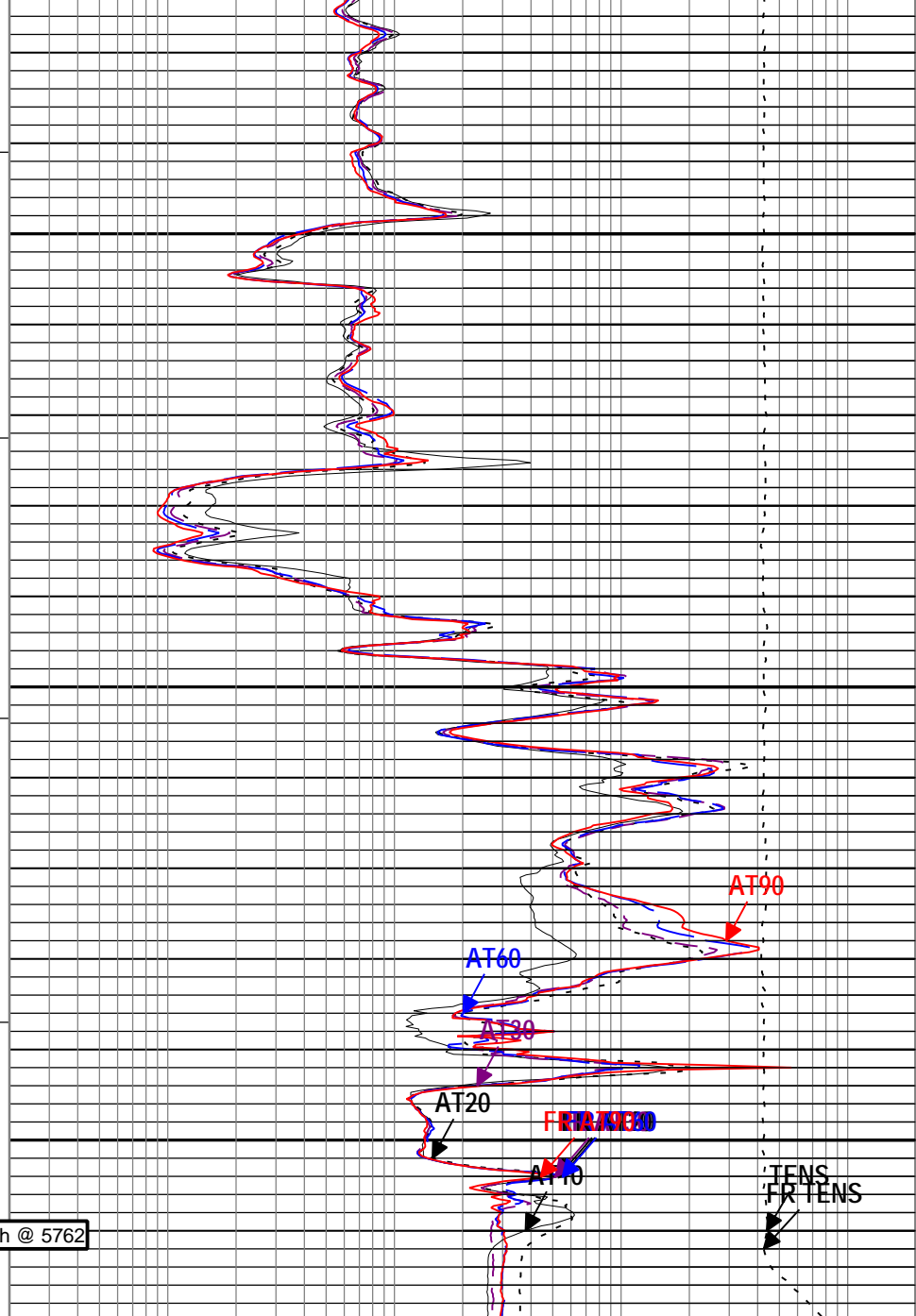
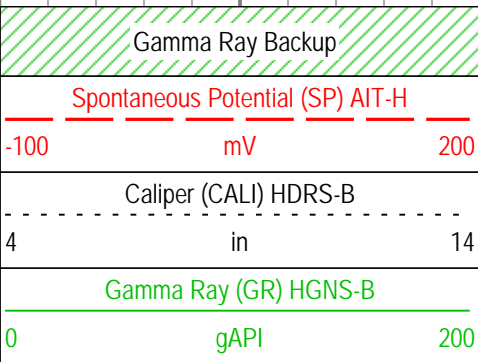
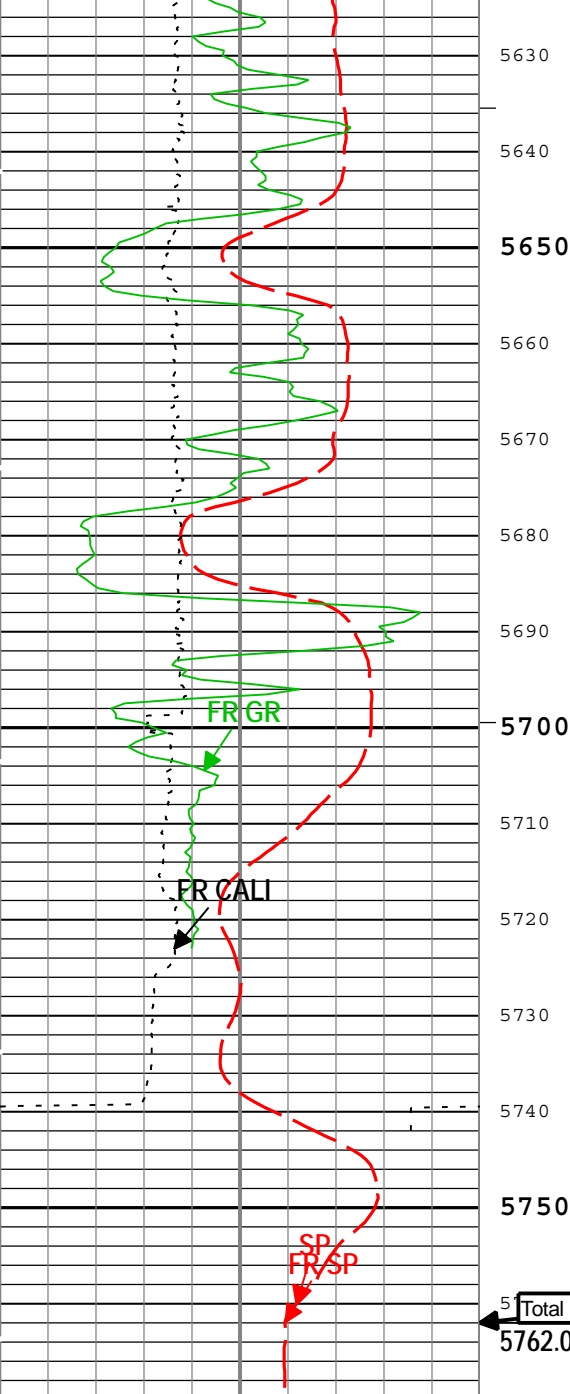












TIME_1900 - Time Marked every 60.00 (s)

ICV - Integrated Cement Volume every 100.00 (ft3)

ICV - Integrated Cement Volume every 10.00 (ft3)

—IHV - Integrated Hole Volume every 10.00 (ft3)

Channel Processing Parameters				
Parameter	Description	Tool	Value	Unit
ABHM	Array Induction Borehole Correction Mode	AIT-H	Compute Standoff	
ACDE	Array Induction Casing Detection Enable	AIT-H	No	
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
CSODDRL	Casing Outer Diameter - Zoned along driller depths	WLSESSION	8.625	in
DFD	Drilling Fluid Density	Borehole	9.2	lbm/gal
FCD	Future Casing (Outer) Diameter	WLSESSION	5.5	in
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	
SPDR	SP Drift Per Foot	AIT-H	0	mV/ft

Parameter	Description	Tool	Value	Unit
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	1800	ft/h

1

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
1	Repeat[4]:Up	Up	5282.97 ft	5790.18 ft	04-Oct-2013 3:15:21 AM	04-Oct-2013 3:25:32 AM	ON	4.69 ft	No
1	Log[5]:Up	Up	76.65 ft	5781.03 ft	04-Oct-2013 3:31:08 AM	04-Oct-2013 5:46:50 AM	ON	0.00 ft	No

All depths are referenced to toolstring zero

1: Repeat[4]:Up:S011

TIME_1900 - Time Marked every 60.00 (s)

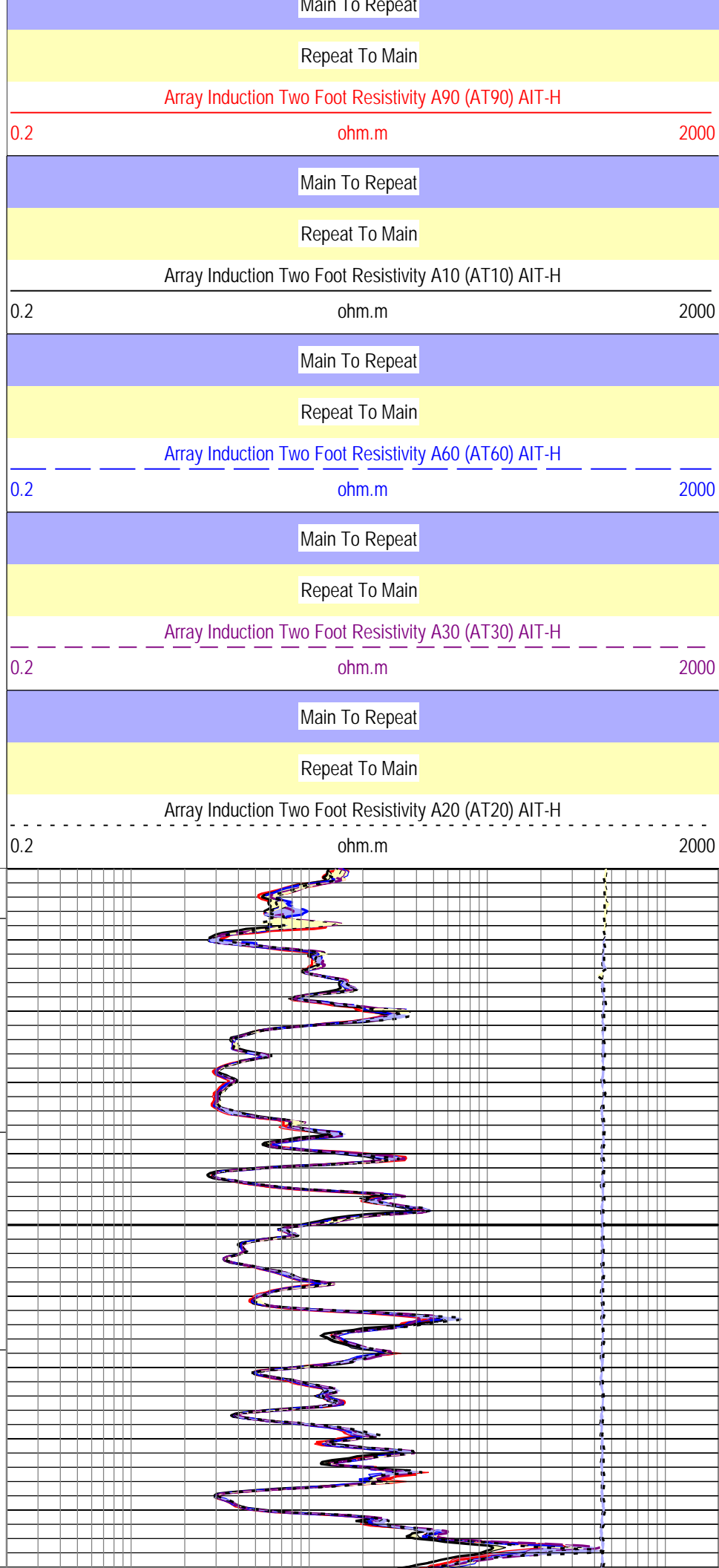
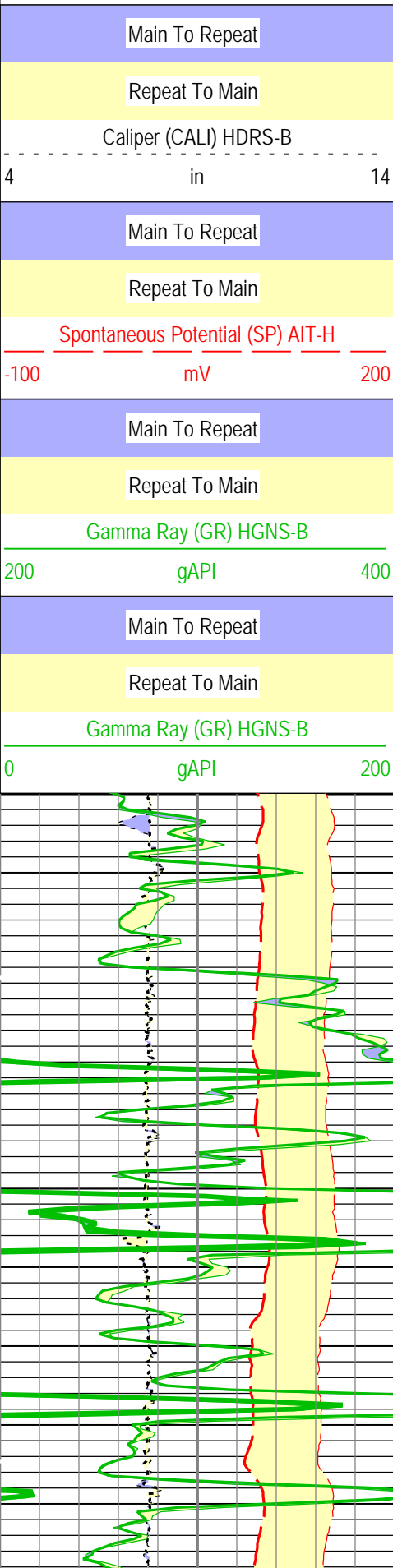
ICV - Integrated Cement Volume every 10.00 (ft3)

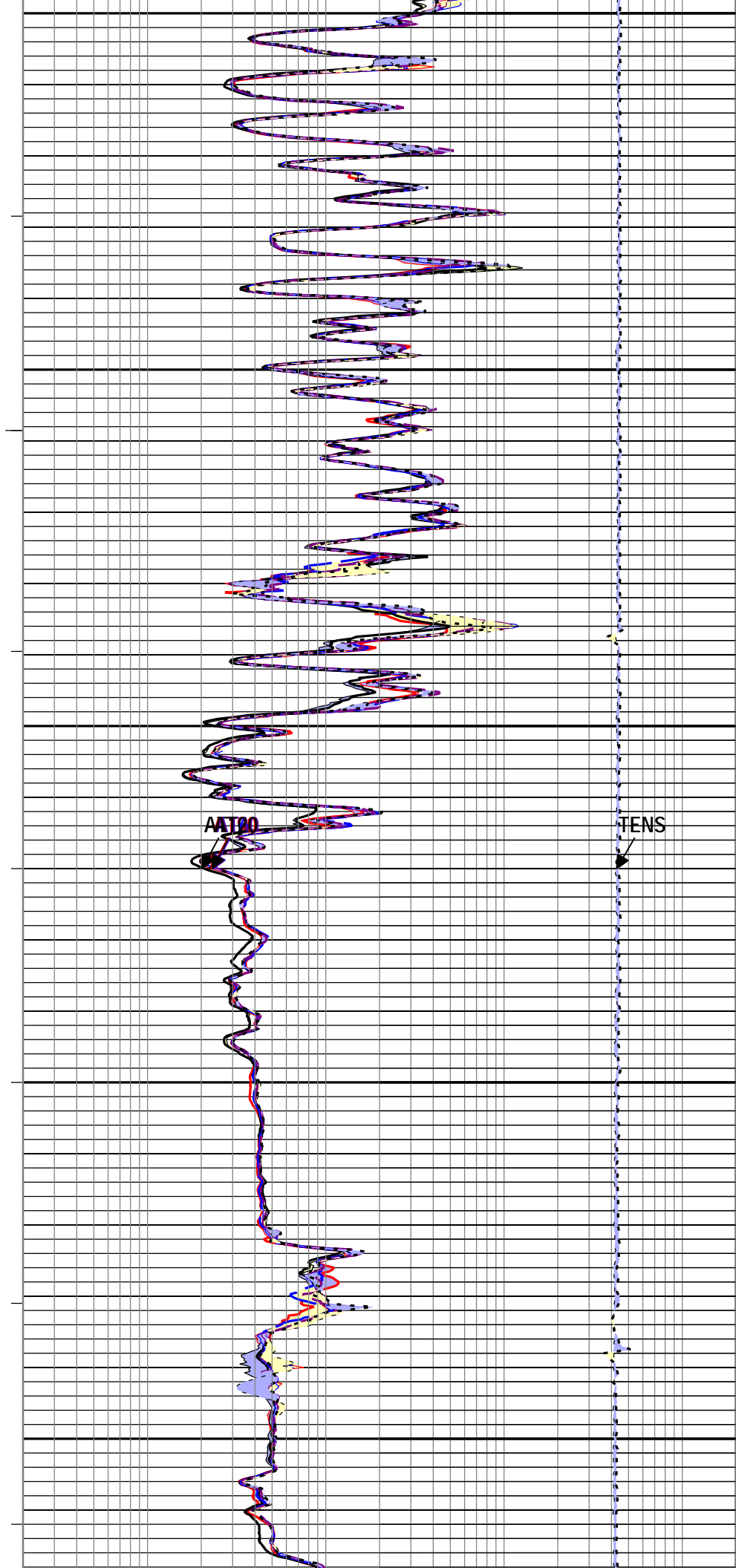
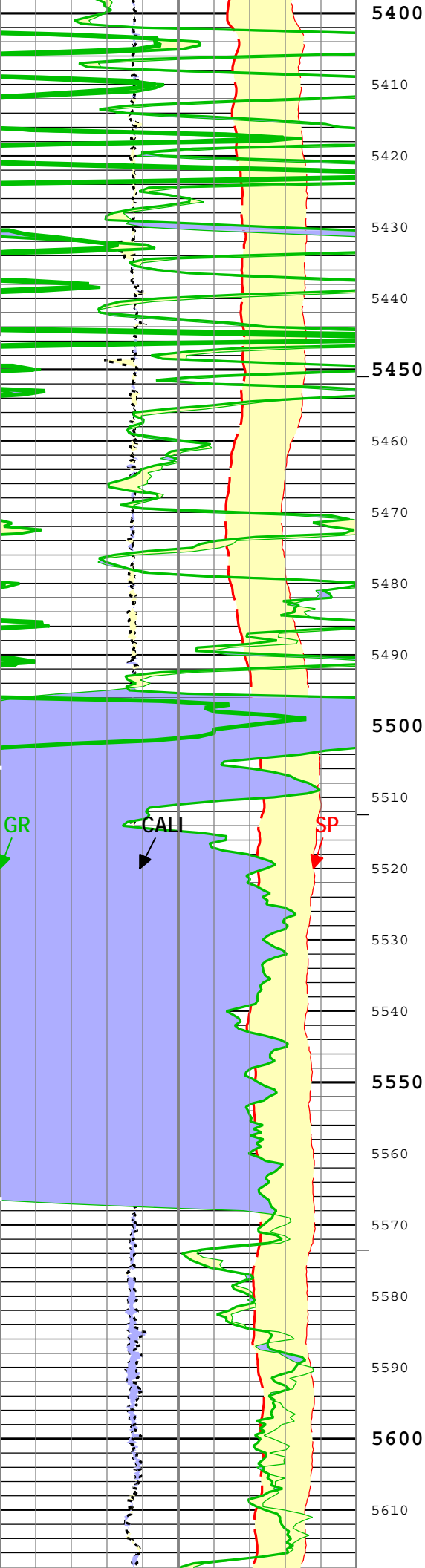
ICV - Integrated Cement Volume every 100.00 (ft3)

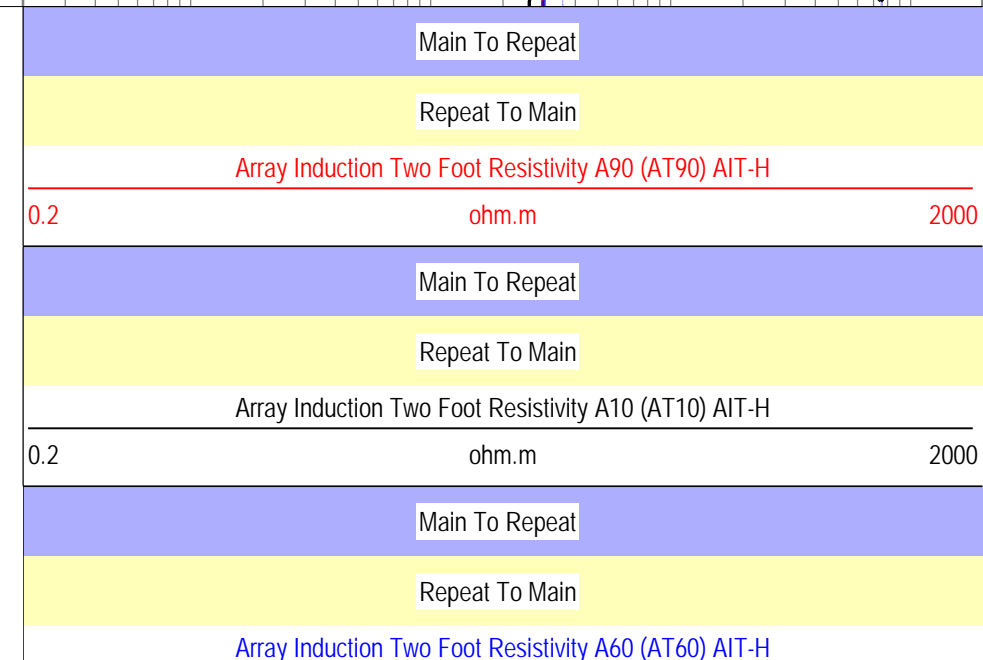
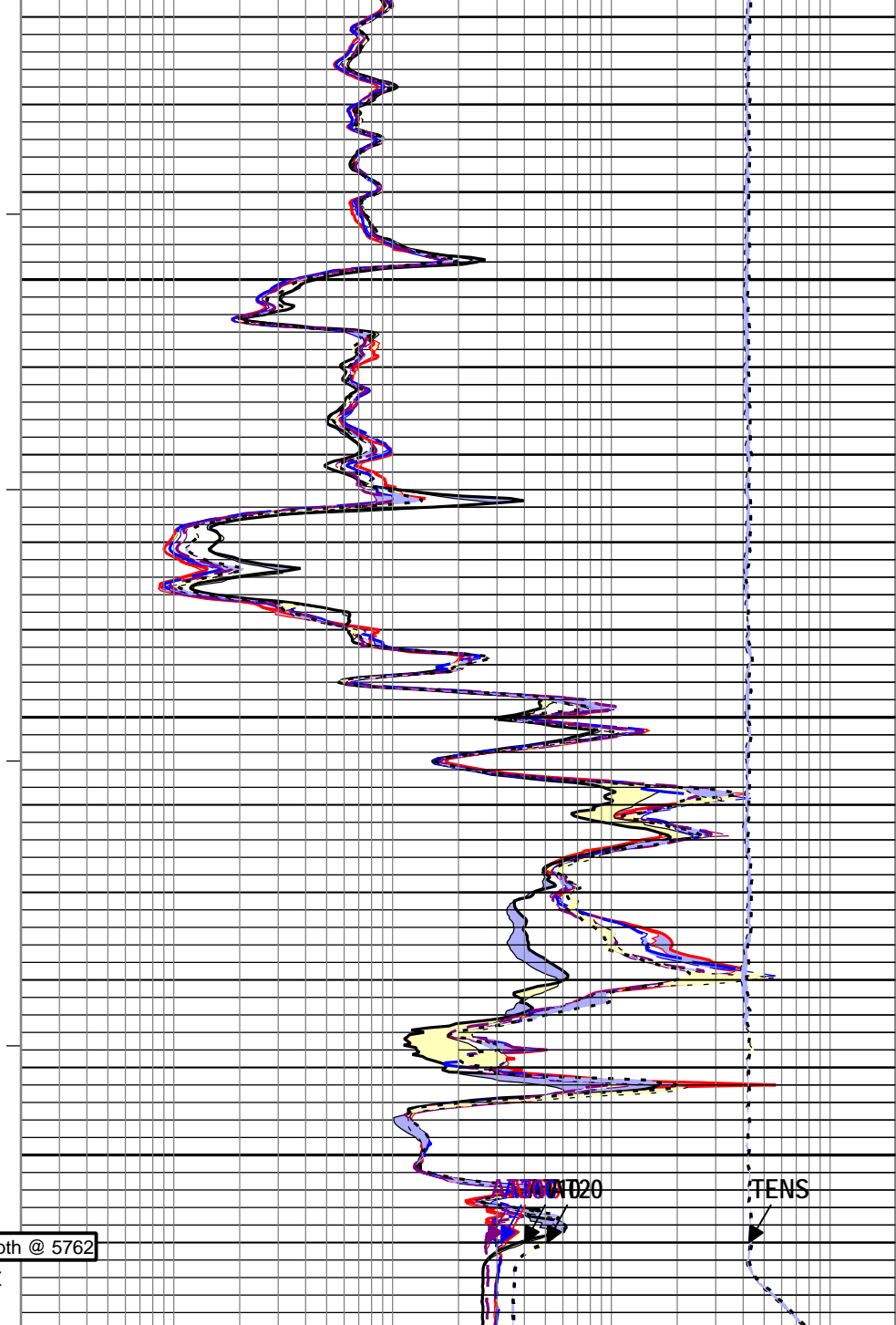
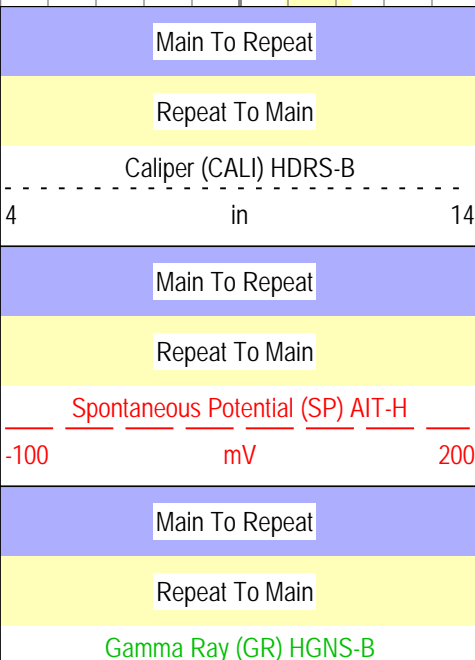
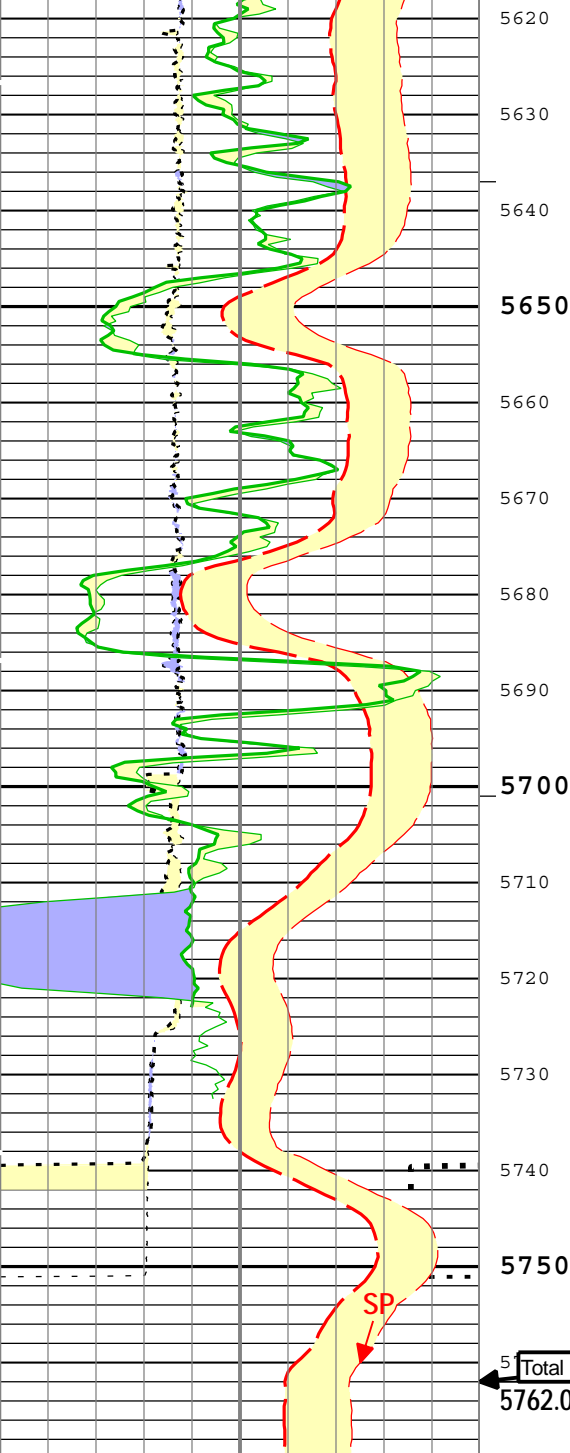
IHV - Integrated Hole Volume every 10.00 (ft3)

IHV - Integrated Hole Volume every 100.00 (ft3)

0







200	gAPI	400
Main To Repeat		
Repeat To Main		
Gamma Ray (GR) HGNS-B		
0	gAPI	200

0.2	ohm.m	2000
Main To Repeat		
Repeat To Main		
Array Induction Two Foot Resistivity A30 (AT30) AIT-H		
0.2	ohm.m	2000
Main To Repeat		
Repeat To Main		
Array Induction Two Foot Resistivity A20 (AT20) AIT-H		
0.2	ohm.m	2000

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

TIME_1900 - Time Marked every 60.00 (s)

└─ICV - Integrated Cement Volume every 100.00 (ft3)

└─ICV - Integrated Cement Volume every 10.00 (ft3)

└─IHV - Integrated Hole Volume every 100.00 (ft3)

└─IHV - Integrated Hole Volume every 10.00 (ft3)

Description: AIT Basic Log Two Format: EMD 5in Induction RA Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 04-Oct-2013 13:38:03

Calibration Report							
AIT-H (Array Induction Tool - H) Calibration - Run 1							
Primary Equipment :							
File code for AIT-HA Sonde Tool Element			AHIS		398		
Auxiliary Equipment :							
AITH Rm/SP Bottom Nose			AHRM		398		
AIT Sonde Calibration - Test Loop Gain							
Master (EEPROM):		12:43:25 23-Aug-2013					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div><div></div><div></div><div></div><div></div><div></div></div>
Test Loop Gain - 0		Master	1.000	0.950	1.017	1.050	<div><div></div><div></div><div></div><div></div><div></div></div>
Test Loop Phase - 0	deg	Master	0	-3.000	0.381	3.000	<div><div></div><div></div><div></div><div></div><div></div></div>
Test Loop Gain - 1		Master	1.000	0.950	1.015	1.050	<div><div></div><div></div><div></div><div></div><div></div></div>
Test Loop Phase - 1	deg	Master	0	-3.000	0.510	3.000	<div><div></div><div></div><div></div><div></div><div></div></div>
Test Loop Gain - 2		Master	1.000	0.950	1.018	1.050	<div><div></div><div></div><div></div><div></div><div></div></div>
Test Loop Phase - 2	deg	Master	0	-3.000	-0.053	3.000	<div><div></div><div></div><div></div><div></div><div></div></div>
Test Loop Gain - 3		Master	1.000	0.950	1.017	1.050	<div><div></div><div></div><div></div><div></div><div></div></div>
Test Loop Phase - 3	deg	Master	0	-3.000	-0.076	3.000	<div><div></div><div></div><div></div><div></div><div></div></div>
Test Loop Gain - 4		Master	1.000	0.950	0.999	1.050	<div><div></div><div></div><div></div><div></div><div></div></div>
Test Loop Phase - 4	deg	Master	0	-3.000	-0.080	3.000	<div><div></div><div></div><div></div><div></div><div></div></div>
Test Loop Gain - 5		Master	1.000	0.950	0.992	1.050	<div><div></div><div></div><div></div><div></div><div></div></div>
Test Loop Phase - 5	deg	Master	0	-3.000	-0.247	3.000	<div><div></div><div></div><div></div><div></div><div></div></div>
Test Loop Gain - 6		Master	1.000	0.950	0.999	1.050	<div><div></div><div></div><div></div><div></div><div></div></div>
Test Loop Phase - 6	deg	Master	0	-3.000	0.117	3.000	<div><div></div><div></div><div></div><div></div><div></div></div>
Test Loop Gain - 7		Master	1.000	0.950	1.013	1.050	<div><div></div><div></div><div></div><div></div><div></div></div>
Test Loop Phase - 7	deg	Master	0	-3.000	-0.248	3.000	<div><div></div><div></div><div></div><div></div><div></div></div>
AIT Sonde Calibration - Sonde Error Correction							
Master (EEPROM):		12:43:25 23-Aug-2013					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div><div></div><div></div><div></div><div></div><div></div></div>

Sonde Error Correction Real - 0	mS/m	Master	-----	-231.000	-88.790	119.000	
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AIT Mud Calibration - Mud Calibration Gain

Master (EEPROM): 12:43:25 23-Aug-2013							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Coarse Gain		Master	1.000	0.800	0.806	1.200	
Fine Gain		Master	1.000	0.800	0.812	1.200	

AIT Electronics Check - Thru Calibration Check

Master (EEPROM):		12:43:25 23-Aug-2013		Before (Measured):		15:53:40 03-Oct-2013		After:	
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit			
Thru Cal Mag - 0	V	Master	----	0.363	0.625	0.847			
		Before	----	0.363	0.625	0.847			
		After	----	----	----	----			
		Before-Master	----	----	0.000	----			
		After-Before	----	----	----	----			
Thru Cal Phase - 0	deg	Master	----	11.000	73.525	131.000			
		Before	----	11.000	74.628	131.000			
		After	----	----	----	----			
		Before-Master	----	----	1.103	----			
		After-Before	----	----	----	----			
Thru Cal Mag - 1	V	Master	----	0.762	1.281	1.778			
		Before	----	0.762	1.281	1.778			
		After	----	----	----	----			
		Before-Master	----	----	0.000	----			
		After-Before	----	----	----	----			
Thru Cal Phase - 1	deg	Master	----	10.000	72.481	130.000			
		Before	----	10.000	73.609	130.000			
		After	----	----	----	----			
		Before-Master	----	----	1.128	----			
		After-Before	----	----	----	----			
Thru Cal Mag - 2	V	Master	----	0.374	0.635	0.872			
		Before	----	0.374	0.635	0.872			
		After	----	----	----	----			
		Before-Master	----	----	0.000	----			
		After-Before	----	----	----	----			
Thru Cal Phase - 2	deg	Master	----	6.000	68.235	126.000			
		Before	----	6.000	69.429	126.000			
		After	----	----	----	----			
		Before-Master	----	----	1.194	----			
		After-Before	----	----	----	----			
Thru Cal Mag - 3	V	Master	----	0.422	0.721	0.986			
		Before	----	0.422	0.721	0.986			
		After	----	----	----	----			
		Before-Master	----	----	0.000	----			
		After-Before	----	----	----	----			
Thru Cal Phase - 3	deg	Master	----	5.000	67.330	125.000			
		Before	----	5.000	68.528	125.000			
		After	----	----	----	----			
		Before-Master	----	----	1.198	----			
		After-Before	----	----	----	----			
Thru Cal Mag - 4	V	Master	----	0.802	1.343	1.872			
		Before	----	0.802	1.343	1.872			

		Before	----	0.802	1.943	1.872	<div><div></div></div>
		After	----	----	----	----	<div><div></div></div>
		Before-Master	----	----	0.000	----	<div><div></div></div>
		After-Before	----	----	----	----	<div><div></div></div>
Thru Cal Phase - 4	deg	Master	----	-1.000	60.286	119.000	<div><div></div></div>
		Before	----	-1.000	61.575	119.000	<div><div></div></div>
		After	----	----	----	----	<div><div></div></div>
		Before-Master	----	----	1.289	----	<div><div></div></div>
		After-Before	----	----	----	----	<div><div></div></div>
Thru Cal Mag - 5	V	Master	----	1.173	1.940	2.737	<div><div></div></div>
		Before	----	1.173	1.940	2.737	<div><div></div></div>
		After	----	----	----	----	<div><div></div></div>
		Before-Master	----	----	0.000	----	<div><div></div></div>
		After-Before	----	----	----	----	<div><div></div></div>
Thru Cal Phase - 5	deg	Master	----	-3.000	58.022	117.000	<div><div></div></div>
		Before	----	-3.000	59.410	117.000	<div><div></div></div>
		After	----	----	----	----	<div><div></div></div>
		Before-Master	----	----	1.388	----	<div><div></div></div>
		After-Before	----	----	----	----	<div><div></div></div>
Thru Cal Mag - 6	V	Master	----	1.173	1.936	2.737	<div><div></div></div>
		Before	----	1.173	1.936	2.737	<div><div></div></div>
		After	----	----	----	----	<div><div></div></div>
		Before-Master	----	----	0.000	----	<div><div></div></div>
		After-Before	----	----	----	----	<div><div></div></div>
Thru Cal Phase - 6	deg	Master	----	-3.000	58.085	117.000	<div><div></div></div>
		Before	----	-3.000	59.474	117.000	<div><div></div></div>
		After	----	----	----	----	<div><div></div></div>
		Before-Master	----	----	1.389	----	<div><div></div></div>
		After-Before	----	----	----	----	<div><div></div></div>
Thru Cal Mag - 7	V	Master	----	0.849	1.370	1.981	<div><div></div></div>
		Before	----	0.849	1.377	1.981	<div><div></div></div>
		After	----	----	----	----	<div><div></div></div>
		Before-Master	----	----	0.007	----	<div><div></div></div>
		After-Before	----	----	----	----	<div><div></div></div>
Thru Cal Phase - 7	deg	Master	----	-7.000	51.875	113.000	<div><div></div></div>
		Before	----	-7.000	53.920	113.000	<div><div></div></div>
		After	----	----	----	----	<div><div></div></div>
		Before-Master	----	----	2.045	----	<div><div></div></div>
		After-Before	----	----	----	----	<div><div></div></div>
SPA Zero	mV	Master		-50.000	-0.012	50.000	<div><div></div></div>
		Before		-50.000	-0.049	50.000	<div><div></div></div>
		After	----	----	----	----	<div><div></div></div>
		Before-Master	----	----	-0.037	----	<div><div></div></div>
		After-Before	----	----	----	----	<div><div></div></div>
SPA Plus	mV	Master		941.000	991.524	1040.000	<div><div></div></div>
		Before		941.000	993.017	1040.000	<div><div></div></div>
		After	----	----	----	----	<div><div></div></div>
		Before-Master	----	----	1.493	----	<div><div></div></div>
		After-Before	----	----	----	----	<div><div></div></div>
Temperature Zero	V	Master		-0.050	0.000	0.050	<div><div></div></div>
		Before		-0.050	0.000	0.050	<div><div></div></div>
		After	----	----	----	----	<div><div></div></div>
		Before-Master	----	----	0.000	----	<div><div></div></div>
		After-Before	----	----	----	----	<div><div></div></div>
Temperature Plus	V	Master		0.870	0.918	0.960	<div><div></div></div>
		Before		0.870	0.920	0.960	<div><div></div></div>
		After	----	----	----	----	<div><div></div></div>
		Before-Master	----	----	0.002	----	<div><div></div></div>
		After-Before	----	----	----	----	<div><div></div></div>

Company:	Vecta Oil & Gas LTD	Schlumberger
Well:	Snowmass 32-32	
Field:	Wildcat	
County:	Cheyenne	
State:	Colorado	

Platform Express
Array Induction
with Linear Correlation