

Company: Omimex Petroleum Inc

Well: Kennedy State 1 1 36 7 45

Field: Holyoke South

County: Phillip Country: USA

Platform Express									
Triple Combo									
Linear									
County: Phillip Field: Holyoke South Location: 2226 FSL 2470 FWL Well: Kennedy State 11 36 7 45 Company: Omimex Petroleum Inc		Location:		2226 FSL 2470 FWL		Elev.:		K.B. 3775.00 ft	
		Permanent Datum:				G.L. 3769.00 ft			
		Log Measured From:				D.F. 3775.00 ft			
		Drilling Measured From:							
API Serial No. 05-0095-06467		Max.Hole Deviation 0 deg		Longitude: -102.33151 degrees		Latitude: 40.533450 degrees			
Logging Date		19-Nov-2014							
Run Number		Run 1							
Depth Driller		2792.00 ft							
Schlumberger Depth		2792.00 ft							
Bottom Log Interval		2792.00 ft							
Top Log Interval		475.60 ft							
Casing Driller Size @ Depth		7 in @ 477.10 ft							
Casing Schlumberger		475.6 ft							
Bit Size		6.25 in							
Type Fluid In Hole		Water							
MUD		Density		9.3 lbm/gal		33 s			
		Fluid Loss		PH		8			
Source of Sample		Active Tank							
RM @ Meas Temp		0.62 ohm.m @ 75 degF							
RMF @ Meas Temp		0.47 ohm.m @ 75 degF							
RMC @ Meas Temp		0.78 ohm.m @ 75 degF							
Source RMF		RMC		Calculated		Calculated			
RM @ BHT		RMF @ BHT		0.23 @ 212 0.18 @ 212					
Max Recorded Temperatures		114 degF							
Circulation Stopped		Time 18-Nov-2014 19:00:00							
Logger on Bottom		Time 19-Nov-2014 01:00:00							
Unit Number		Location: 3022		Fort Morgan					
Recorded By		Tezla Hayduk							
Witnessed By		Paul Dekaye							

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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11.2 Log (EMD 5in Triple Combo Linear RA)

12. Run 1 5" Triple Combo

12.1 Integration Summary

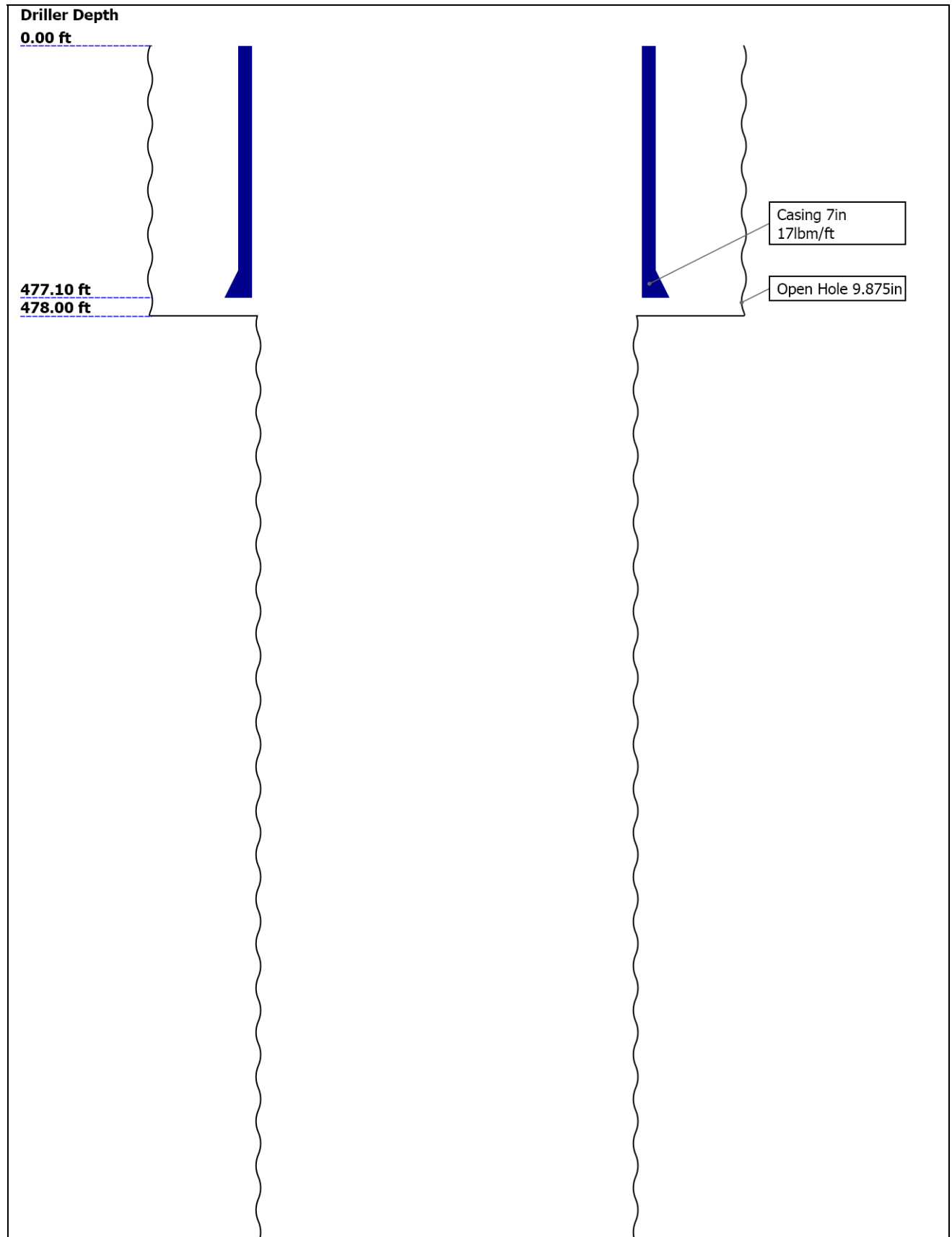
12.2 Software Version

12.3 Composite Summary

12.4 Log (EMD 5in Triple Combo)

12.5 Parameter Listing

Well Sketch





Borehole Size/Casing/Tubing Record

Bit						
Bit Size (in)	9.875	6.25				
Top Driller (ft)	0	478				
Top Logger (ft)	0	478				
Bottom Driller (ft)	478	2792				
Bottom Logger (ft)	478	2792				
Casing						
Size (in)	7					
Weight (lbm/ft)	17					
Inner Diameter (in)	6.538					
Grade	N/A					
Top Driller (ft)	0					
Top Logger (ft)	0					
Bottom Driller (ft)	477.1					
Bottom Logger (ft)	475.6					

Operational Run Summary

Parameter (unit)	Run 1					
Date Log Started	19-Nov-2014					
Time Log Started	00:30:42					
Date Log Finished	19-Nov-2014					
Time Log Finished	01:54:29					
Top Log Interval (ft)	475.60					
Bottom Log Interval (ft)	2792.00					
Total Depth (ft)	2789.00					
Max Hole Deviation (deg)	0.00					
Azimuth of Max Deviation (deg)	0.00					
Bit Size (in)	6.250					
Logging Unit Number	3022					
Logging Unit Location	Fort Morgan					
Recorded By	Tezla Hayduk					
Witnessed By	Paul Dekaye					
Service Order Number	CYPH-00033					

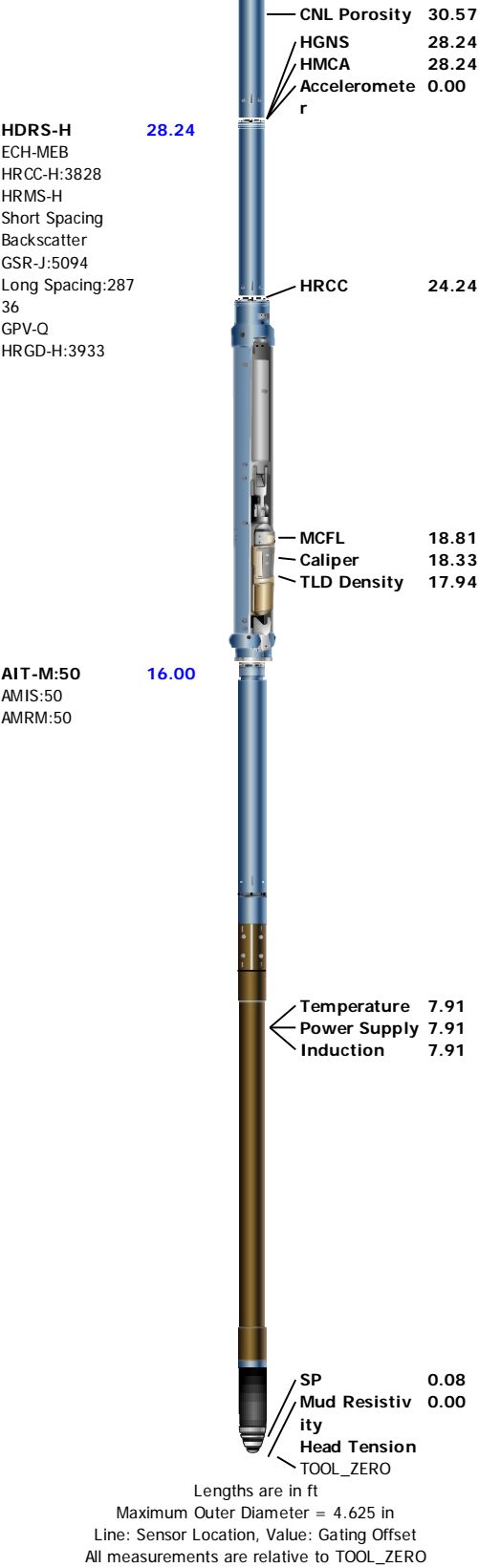
Borehole Fluids

Parameter(unit)	Run 1					
Fluid Type	Water					
Fluid Name	Water					
Max Recorded Temperatures (degF)	114					
Source of Sample	Active Tank					
Salinity (ppm)	14800					
Density (lbm/gal)	9.3					
Funnel Viscosity (s)	33					
Fluid Loss (cm3)						
PH	8					
Date/Time Circulation Stopped	18-Nov-2014 19:00:00					
Date Logger on Bottom	19-Nov-2014					
Time Logger on Bottom	01:00:00					
Source RMF	Calculated					
RMC	Calculated					
RM @ Meas Temp (ohm.m@degF)	0.62 @ 75					
RMF @ Meas Temp (ohm.m@degF)	0.47 @ 75					
RMC @ Meas Temp (ohm.m@degF)	0.78 @ 75					
RM @ BHT (ohm.m@degF)	0.23 @ 212					
RMF @ BHT (ohm.m@degF)	0.18 @ 212					
RMC @ BHT (ohm.m@degF)	0.29 @ 212					
Total Solid (%)	7.3					
High Gravity Solids (%)						

Remarks and Equipment Summary

Run 1: Toolstring				Run 1: Remarks	
Equip name	Length	MP name	Offset	Crew: Jacob Jump, Ian Derry	
LEH-QT	51.57			Toolstring ran as per tool sketch	
LEH-QT					
DTC-H	48.65				
ECH-KC		CTEM	47.75		
DTC-H		HV	0.00		
		ToolStatus	45.65		
		TelStatus	45.65		
AH-184[2]	45.65				
AH-184[1]	43.65				
GPIT-F:770	41.65				
GPIH-B		GPIT-F Incl	40.23		
DHRU-F		ometer			
GPIC-F:770					
HGNS-H	37.65				
HGNH		GPIT	0.00		
NPV-N		Temperature	37.62		
NSR-F:5068		GR	36.91		
UWCA-10					

HMCA-H
HGNS-H
HACCZ-H:3616

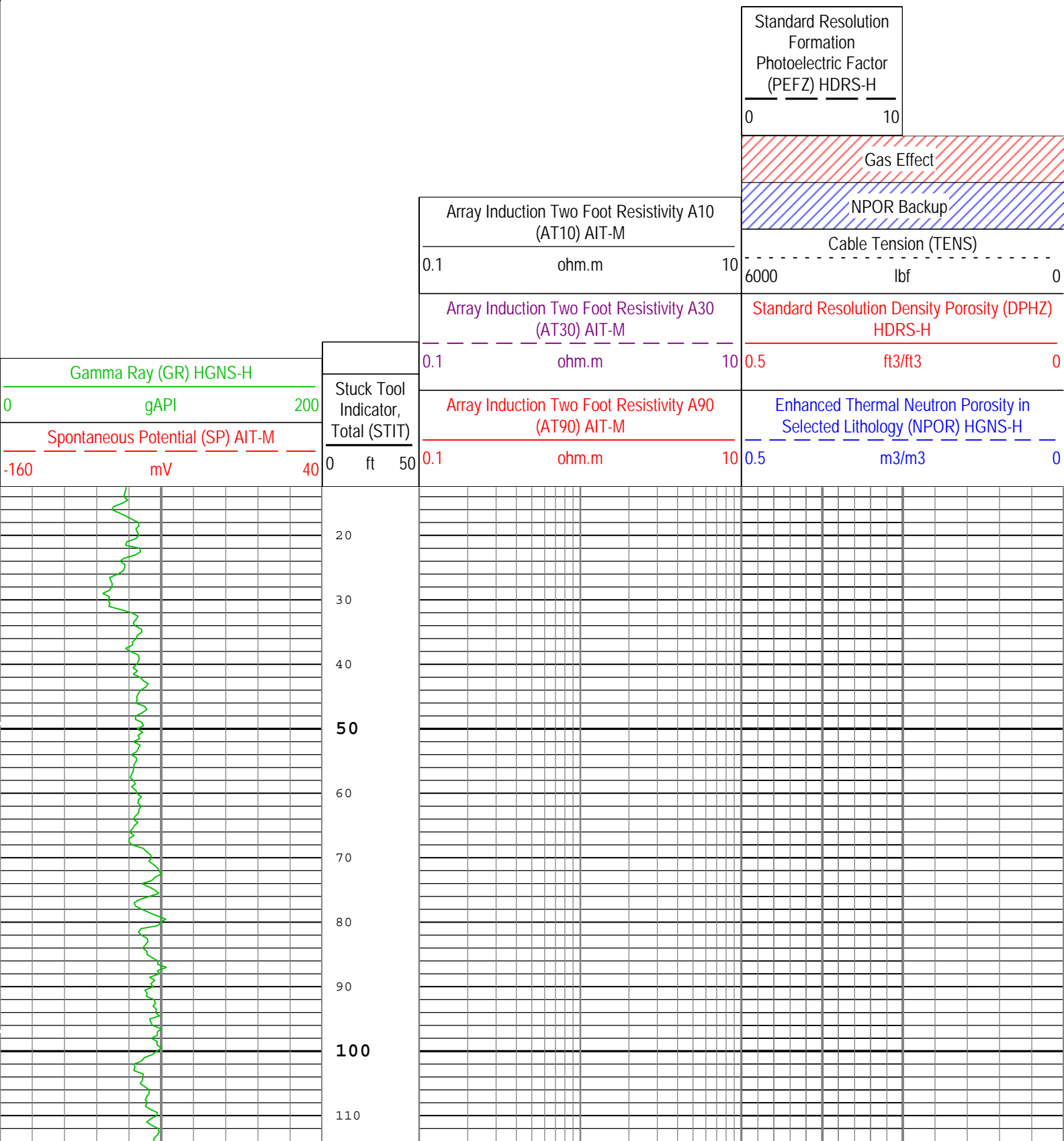


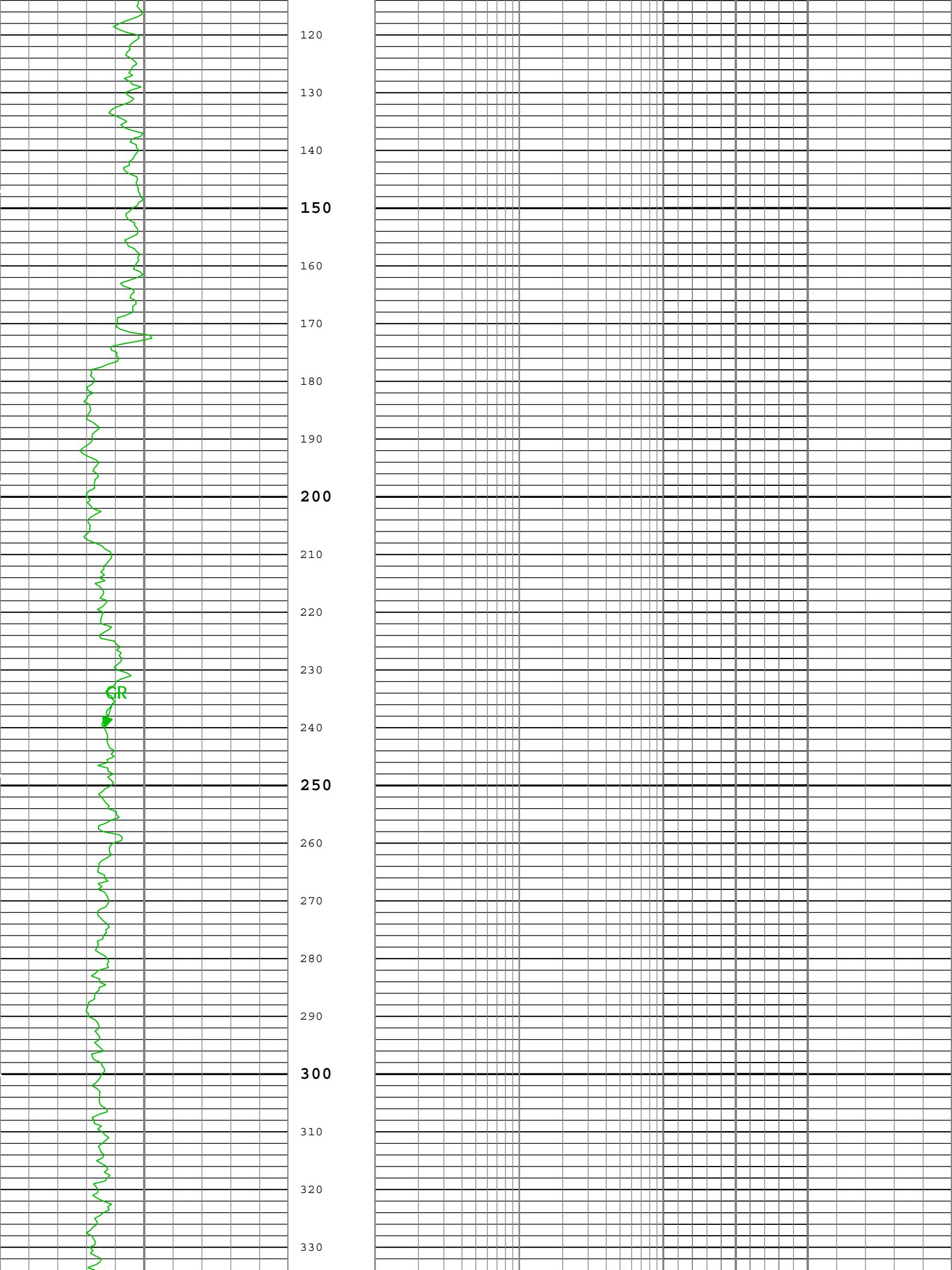
Depth Summary			
Run 1			
Depth Measuring Device			
Type	IDW-JA		
Serial Number	5896		
Calibration Date	13-Aug-2014		

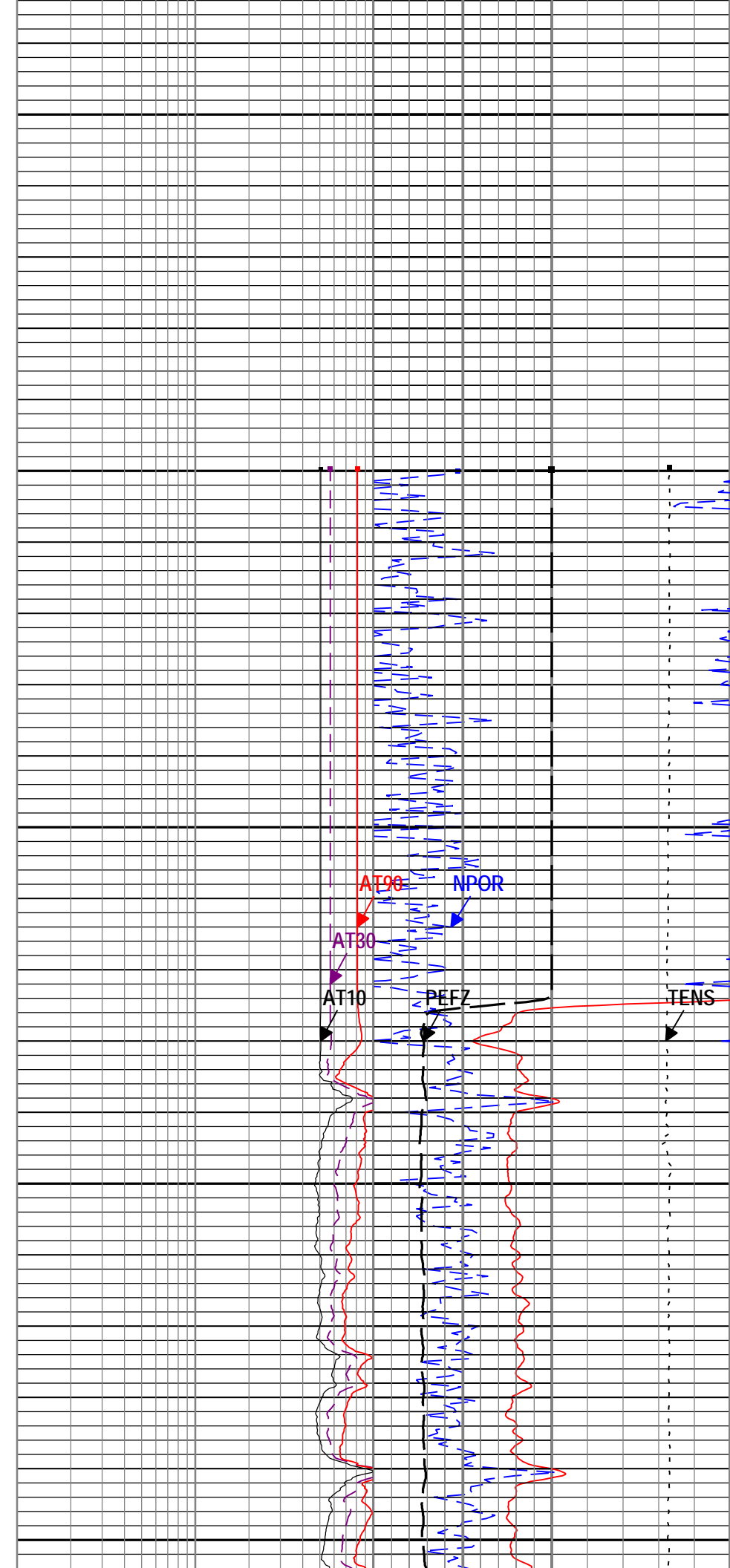
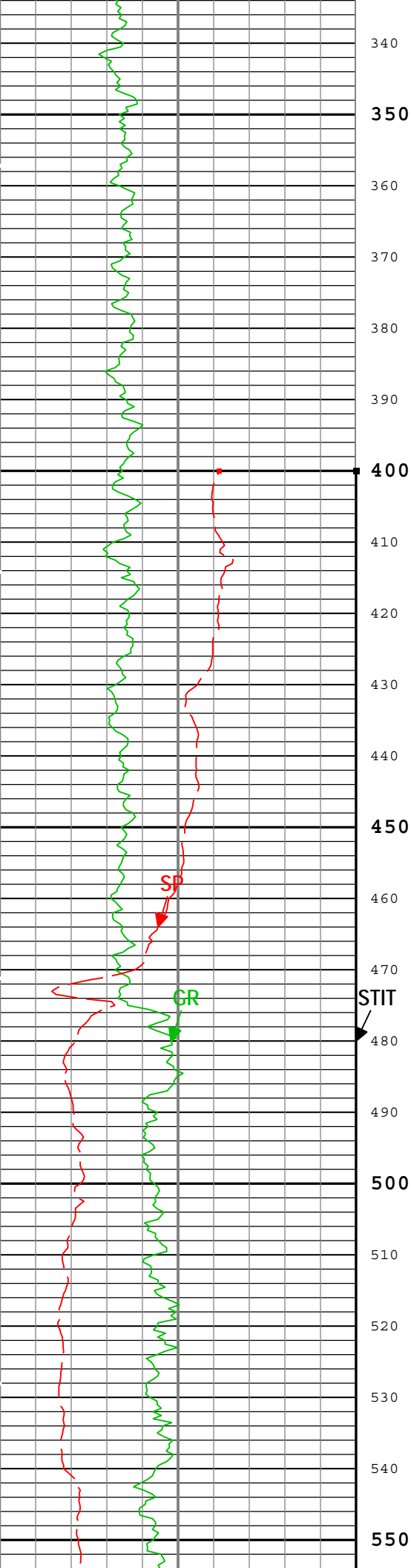
Calibrator Serial Number	7-39P LXS								
Calibration Cable Type									
Wheel Correction 1	-3								
Wheel Correction 2	-2								
Tension Device									
Type	CMTD-B/A								
Serial Number	1109								
Calibration Date	18-Nov-2014								
Calibrator Serial Number	441345A								
Number of Calibration Points	10								
Calibration Root Mean Square Error	36								
Calibration Peak Error	69								
Logging Cable									
Type	7-39P-LXS								
Serial Number									
Length	17000.00 ft								
Conveyance Type	Wireline								
Rig Type	Land								
Run 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		IDWused for primary depth control							
Rig Up Length At Bottom		Z-Cart used for secondary depth control							
Rig Up Length Correction									
Stretch Correction									
Tool Zero Check At Surface									
Run 1									
Software Version									
Acquisition System		Version							
MaxWell		4.0.9163.3000							
Application Patch		Patch-SP-10767_26570-4.0.9163.3001							
Computation	Description		Version						
HENVIR	Computation Ensemble for the HGNS Neutron environmental corrections		4.0.9469.3000						
DepthCorrection	DepthCorrection		4.0.9469.3000						
Tool Elements	Description	Software Version	Firmware Version						
HRGD-H	HILT Resistivity Gamma-Ray Density Device, 150 degC	4.0.9575.3000	3.0						
HGNS-H	HILT Gamma-Ray and Neutron Sonde, 150 degC	4.0.9575.3000	2.0						
AMIS	Array Induction Sonde - M	4.0.9535.3000	1						
Pass Summary									
Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
Run 1	Log[3]:Up	Up	49.15 ft	2793.83 ft	19-Nov-2014 1:04:56 AM	19-Nov-2014 1:54:13 AM	ON	0.48 ft	No
All depths are referenced to toolstring zero									
Log	Company:Omimex Petroleum Inc Well:Kennedy State 11 36 7 45 Run 1: Log[3]:Up:S002								
Description: HGNS standard resolution porosities for Platform Express Format: Log (EMD 5in Triple Combo Linear) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 19-Nov-2014 02:15:07									
Channel	Source	Sampling							
AT10	AIT-M:AMIS:AMIS	3in							
AT30	AIT-M:AMIS:AMIS	3in							

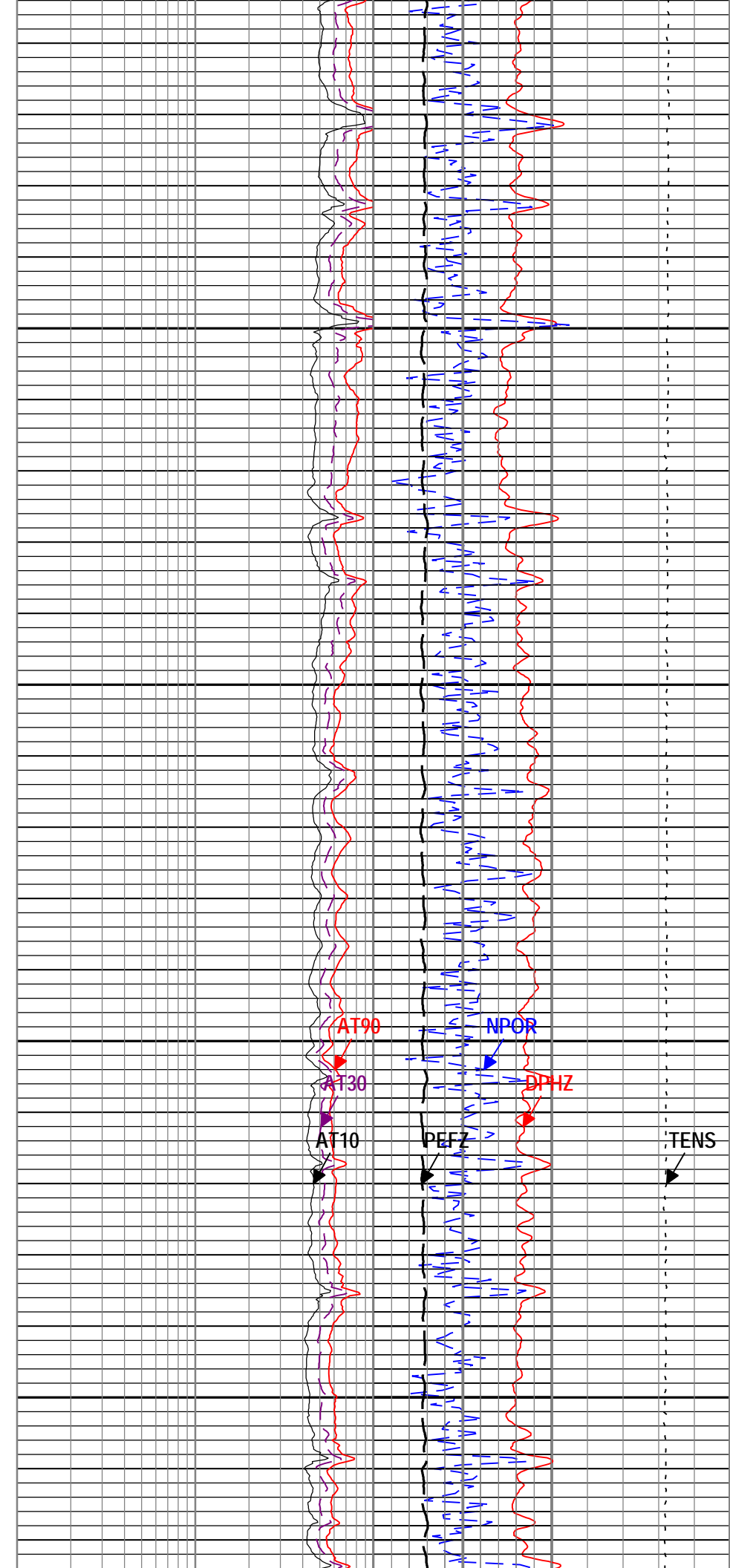
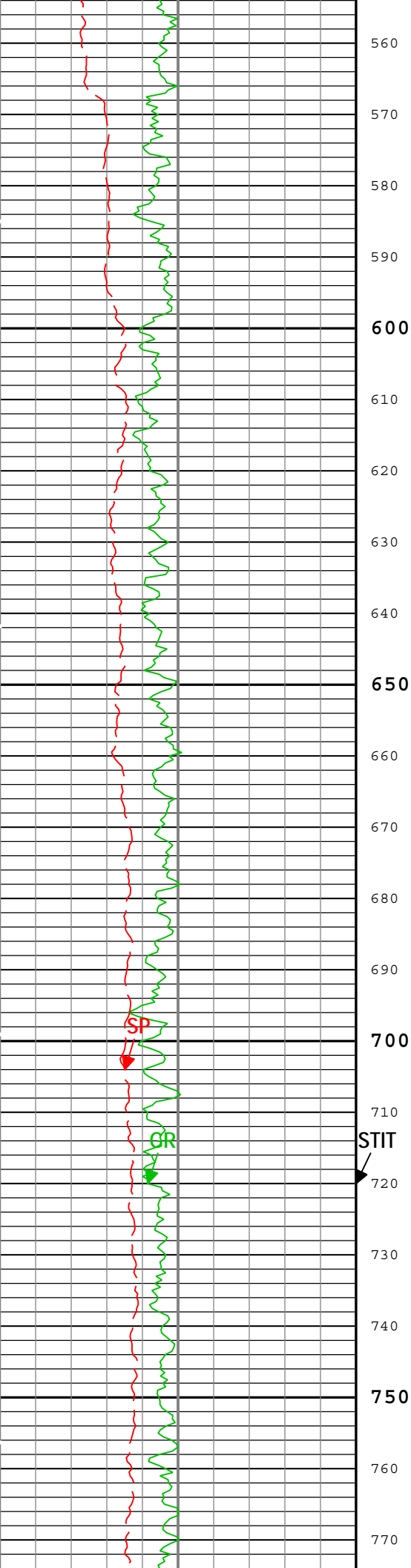
AT90	AIT-M:AMIS:AMIS	3in
DPHZ	HDRS-H:HRMS-H:HRGD-H	2in
GR	HGNS-H:HGNS-H:HGNS-H	6in
NPOR	HGNS-H:HGNS-H:HGNS-H	6in
PEFZ	HDRS-H:HRMS-H:HRGD-H	2in
SP	AIT-M:AMIS:AMIS	6in
STIT	DepthCorrection	6in
TENS	WLWorkflow	6in
TIME_1900	WLWorkflow	0.1in

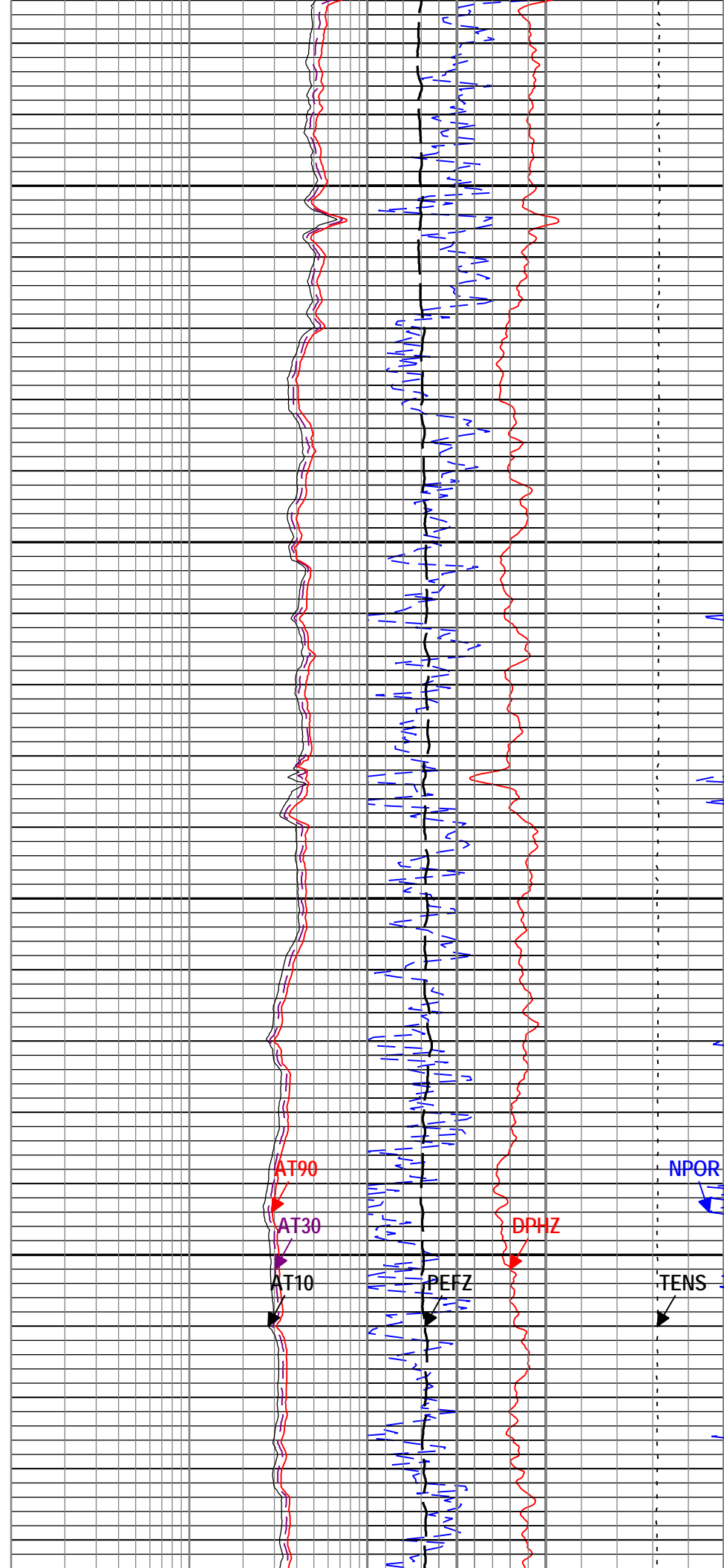
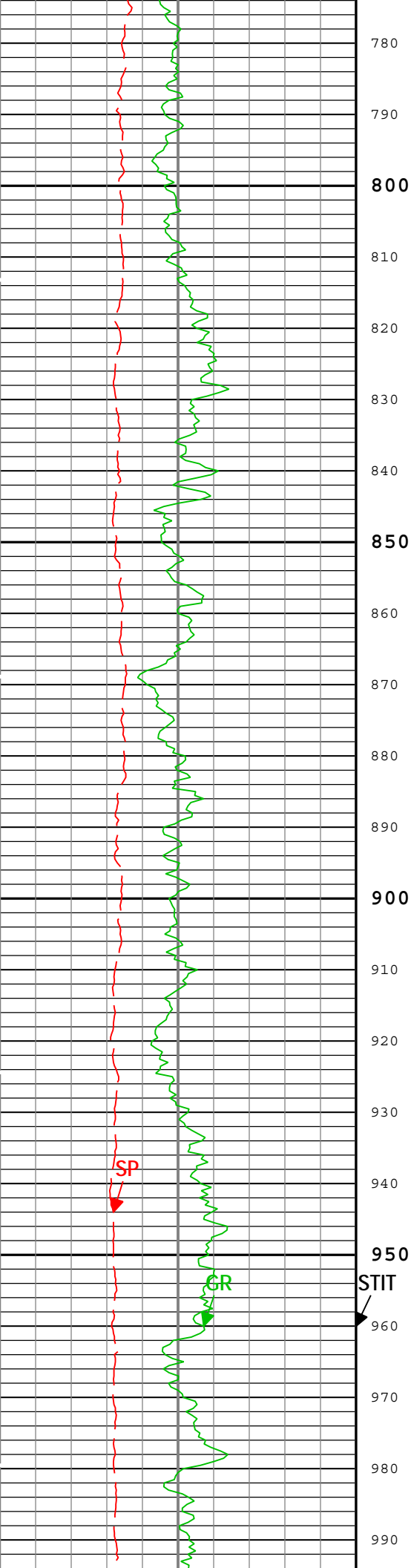
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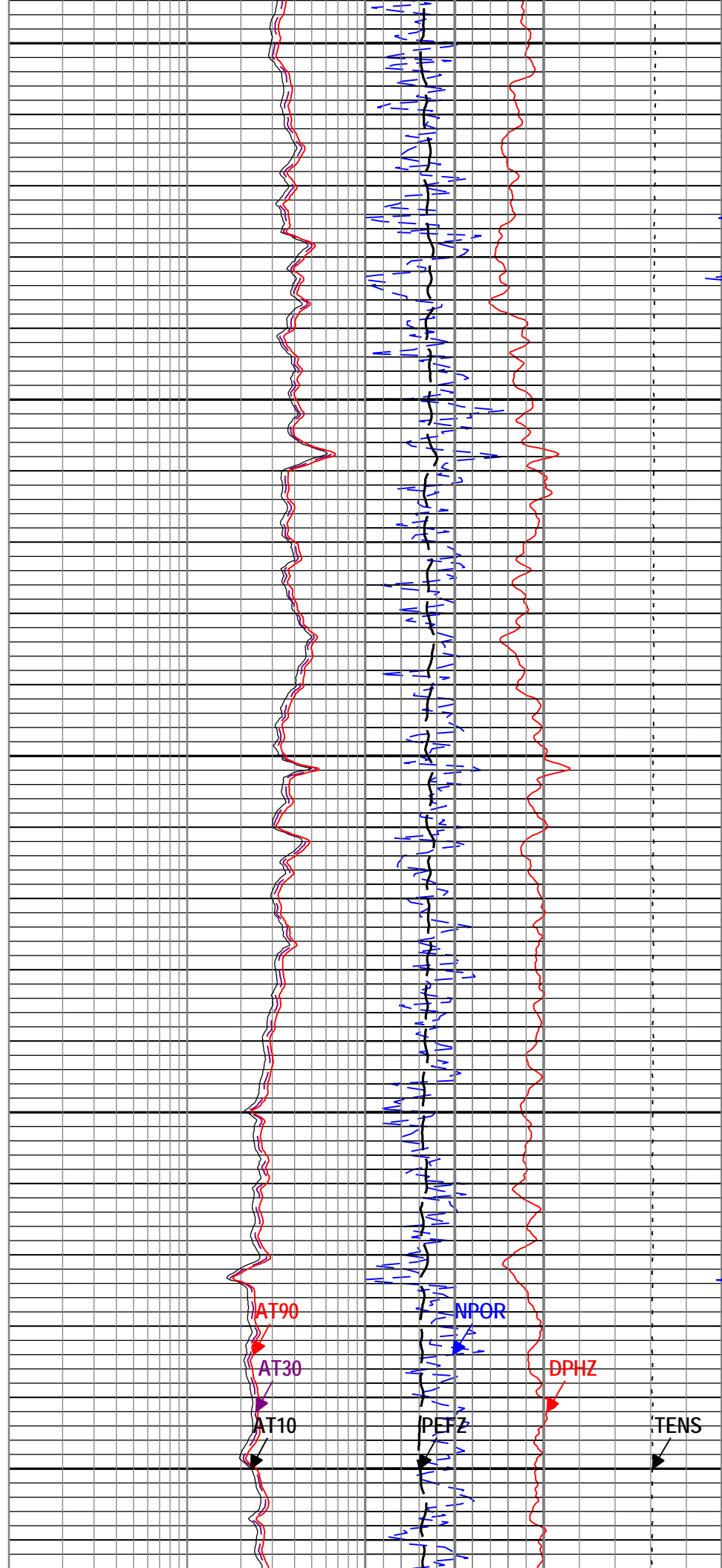
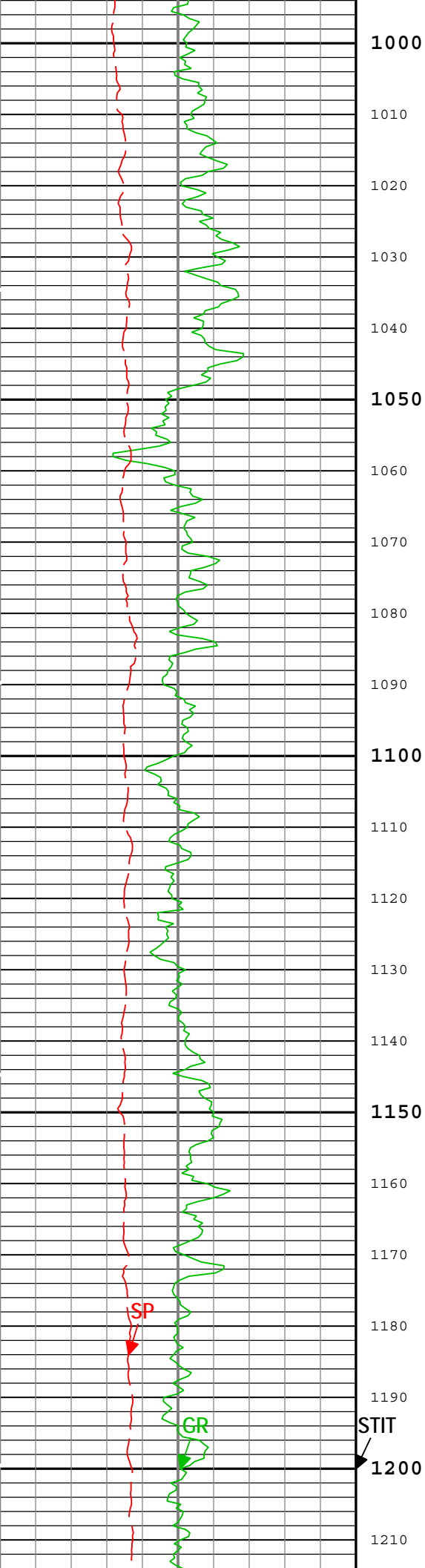


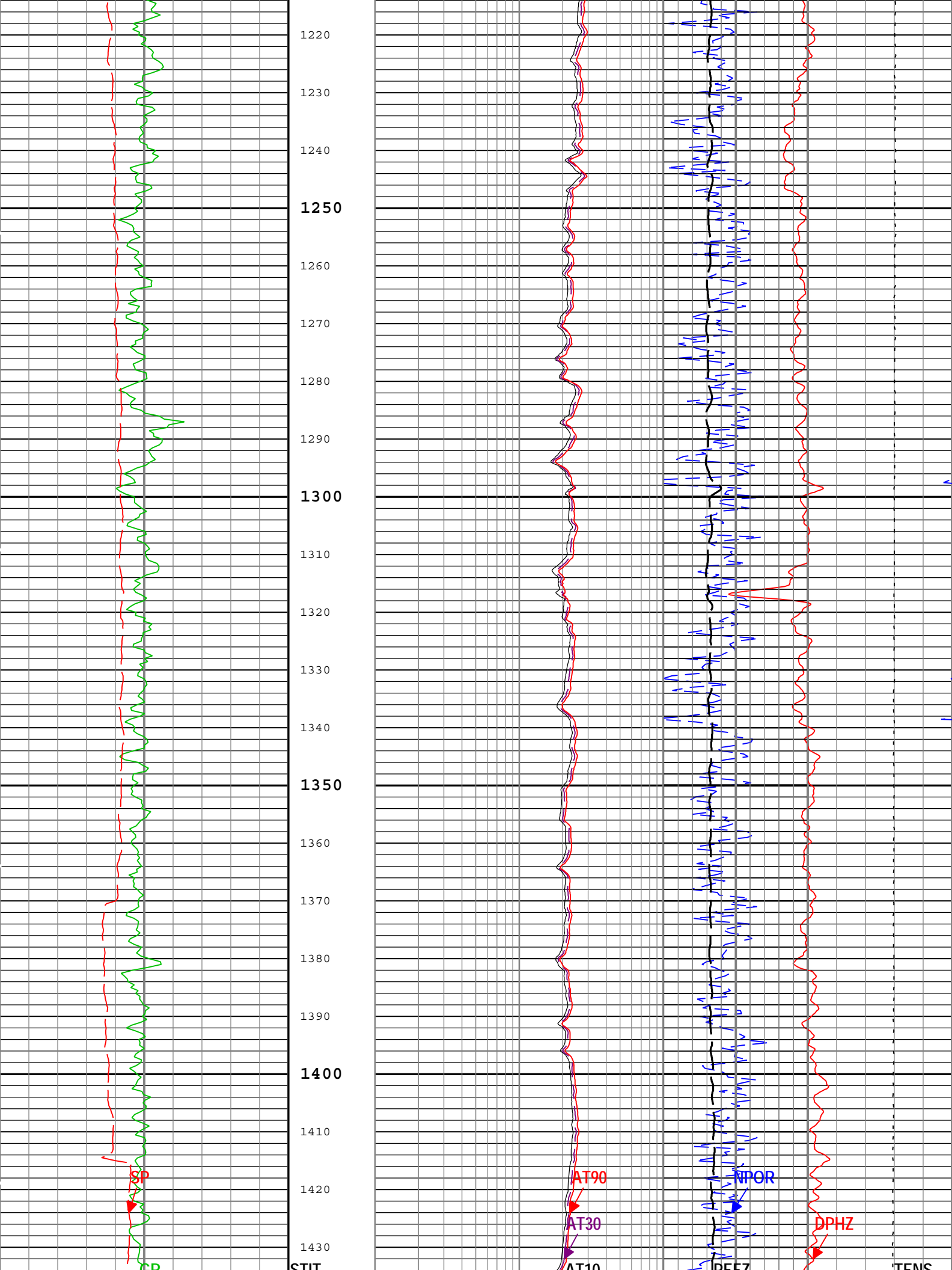


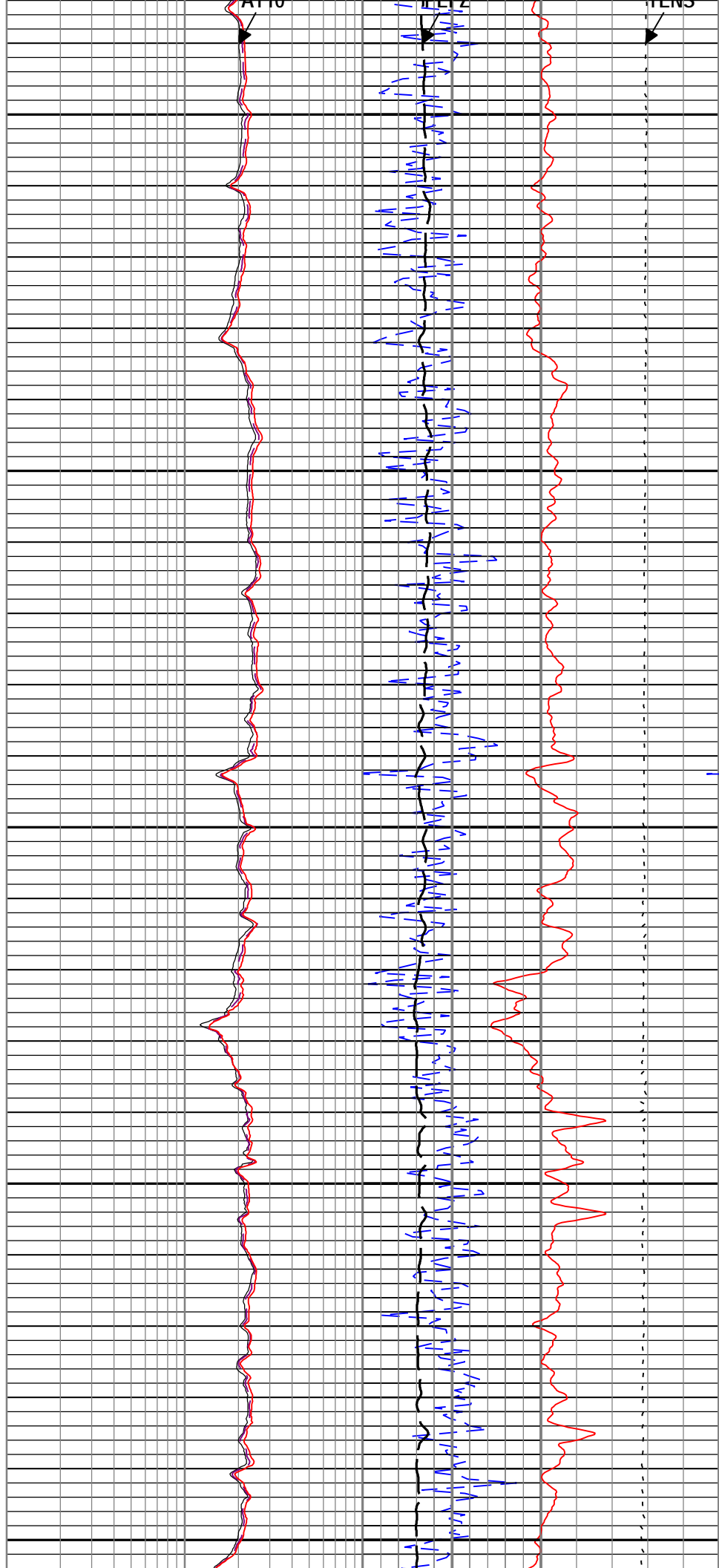
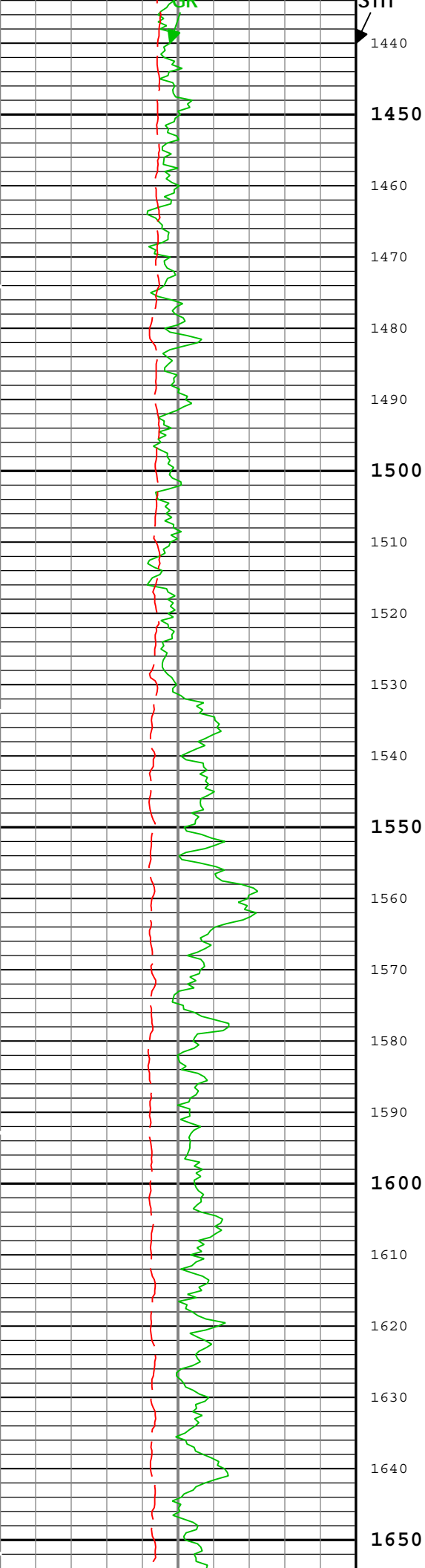


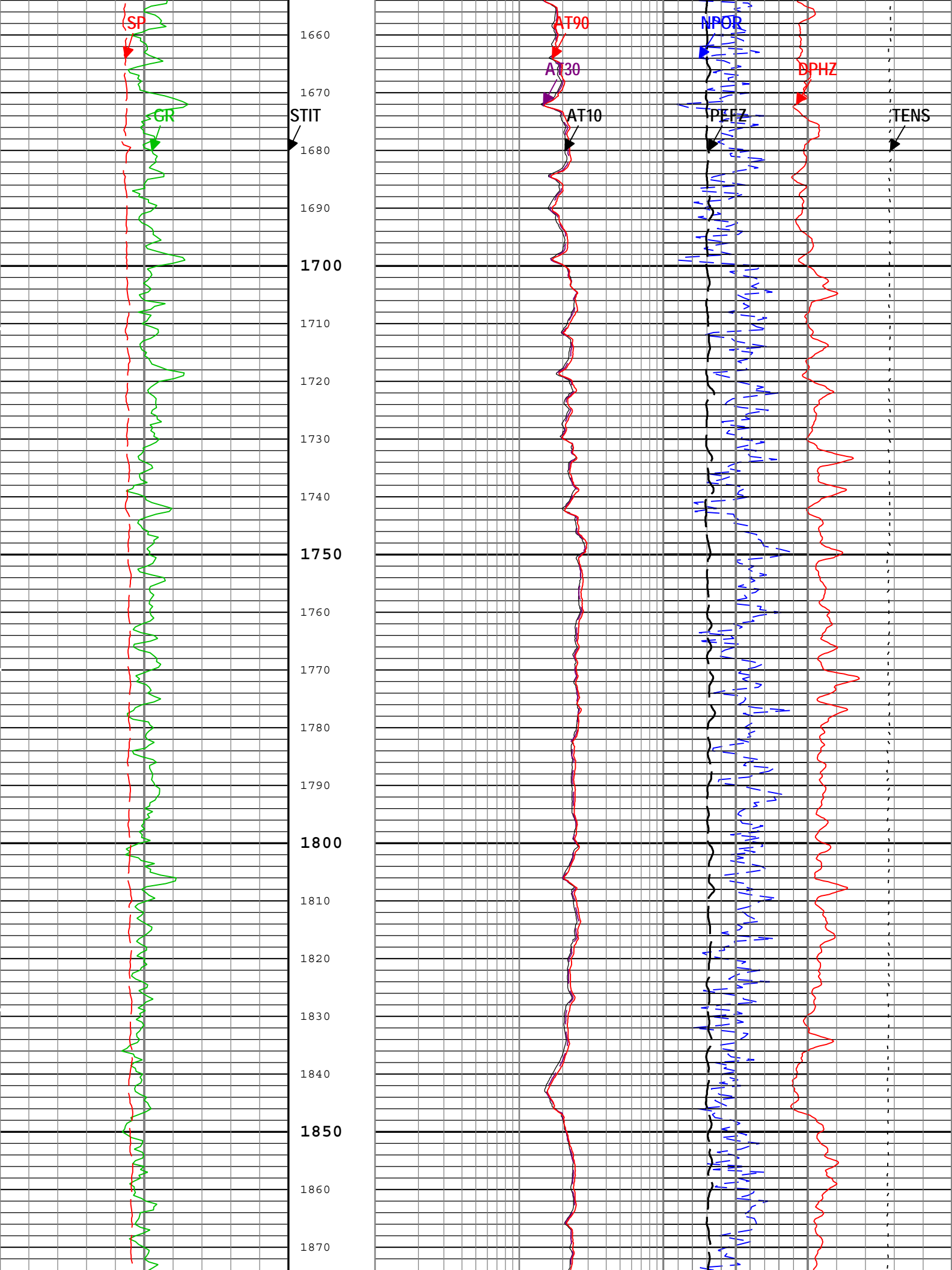


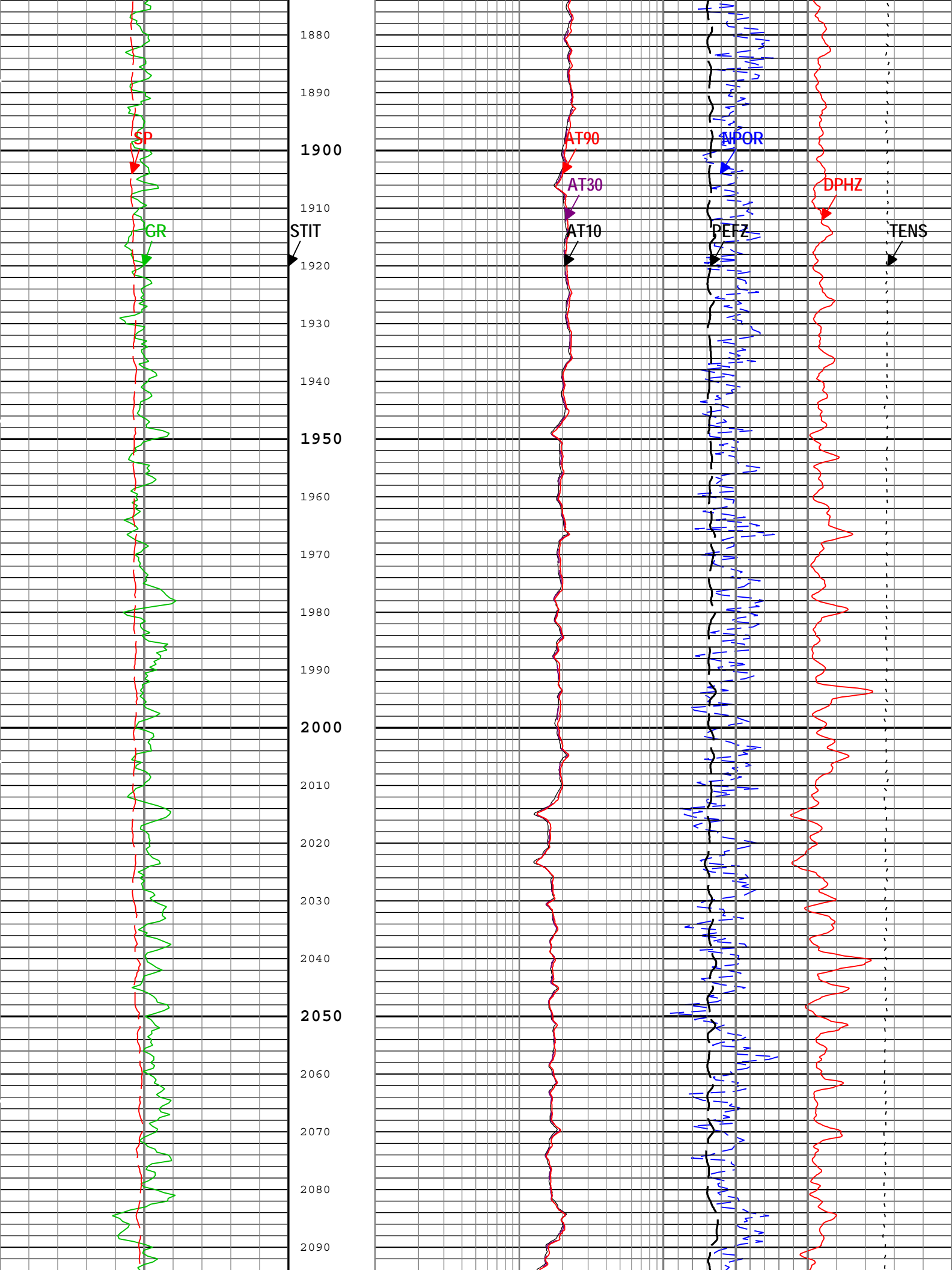


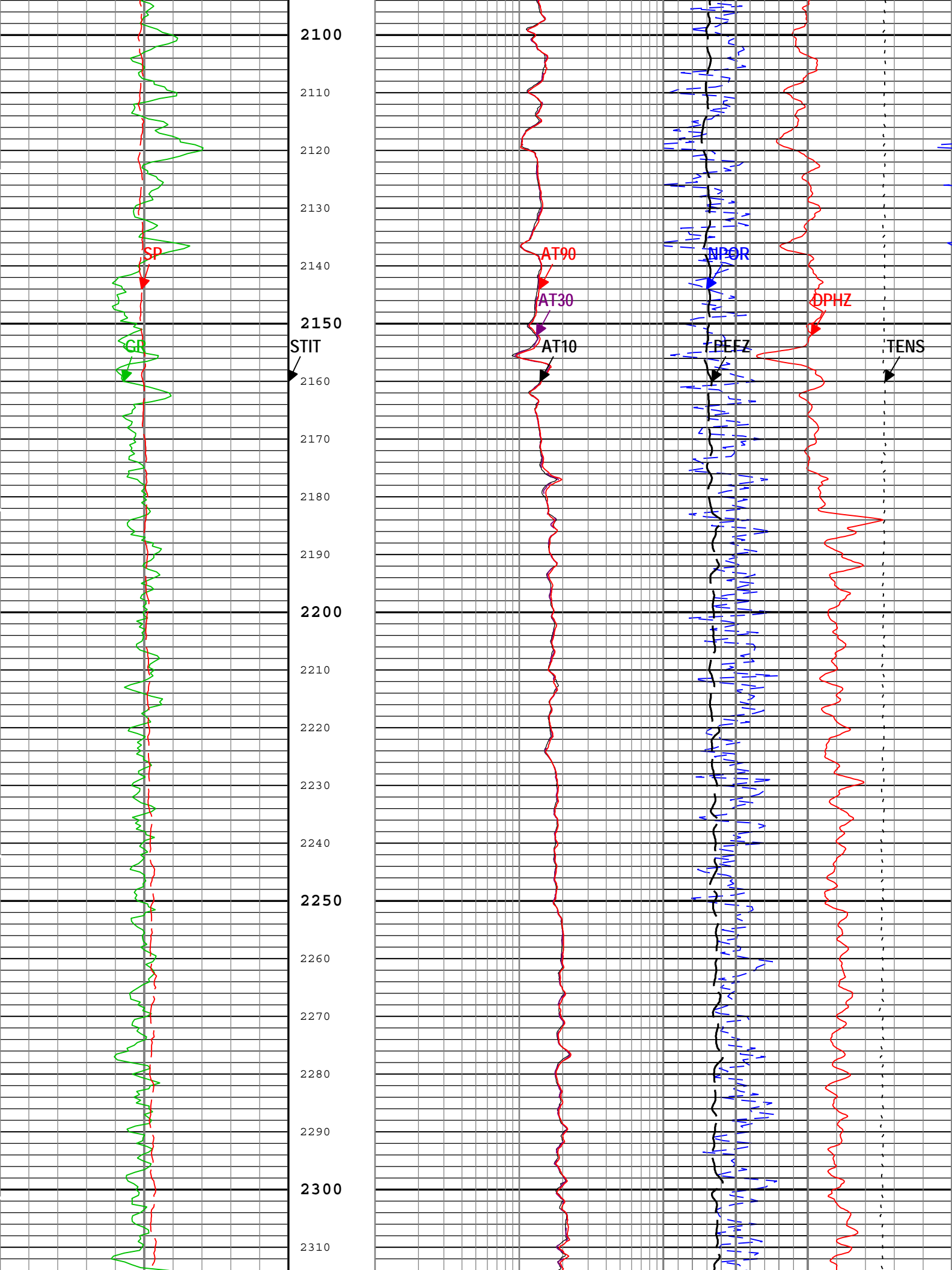


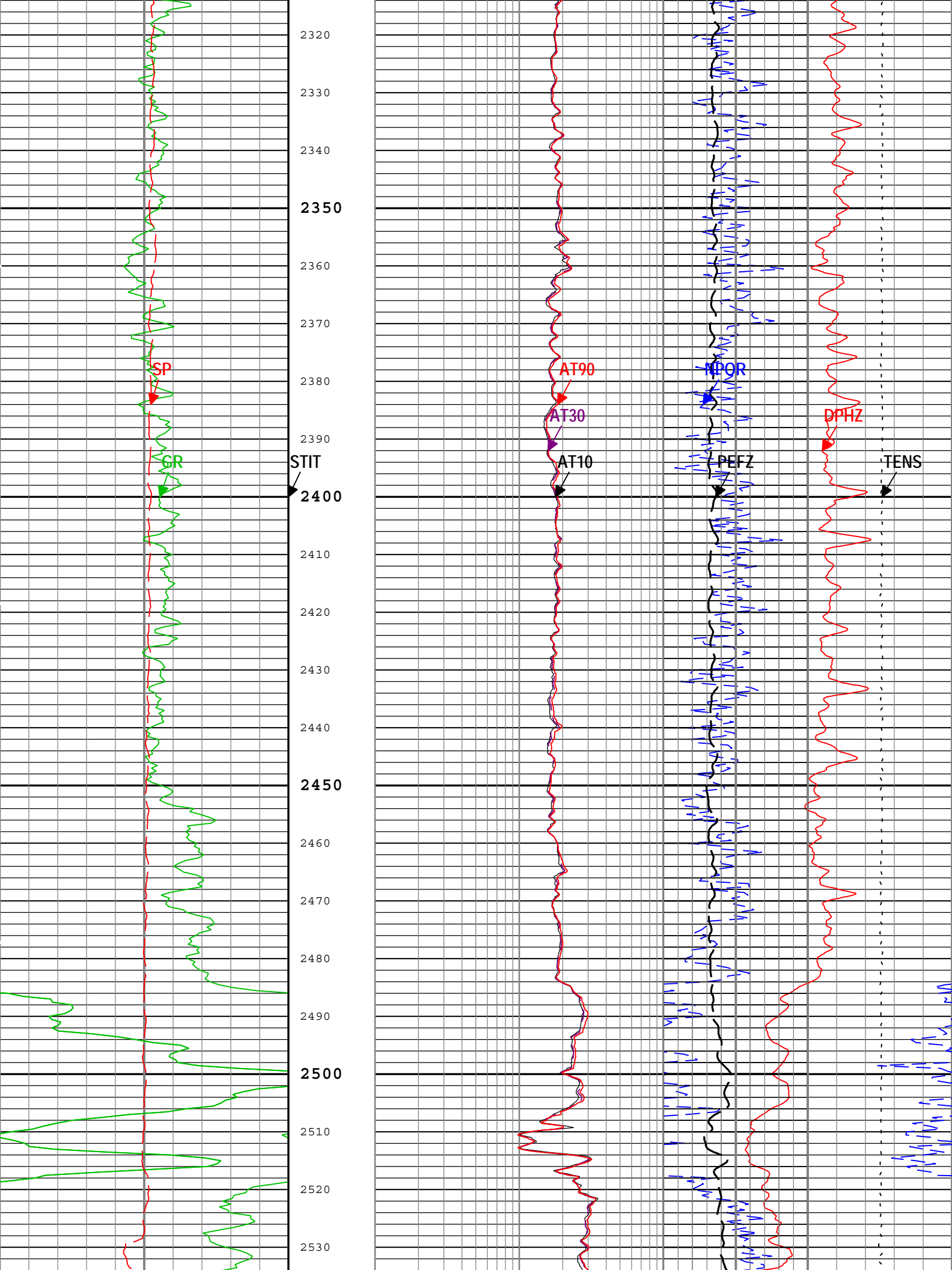


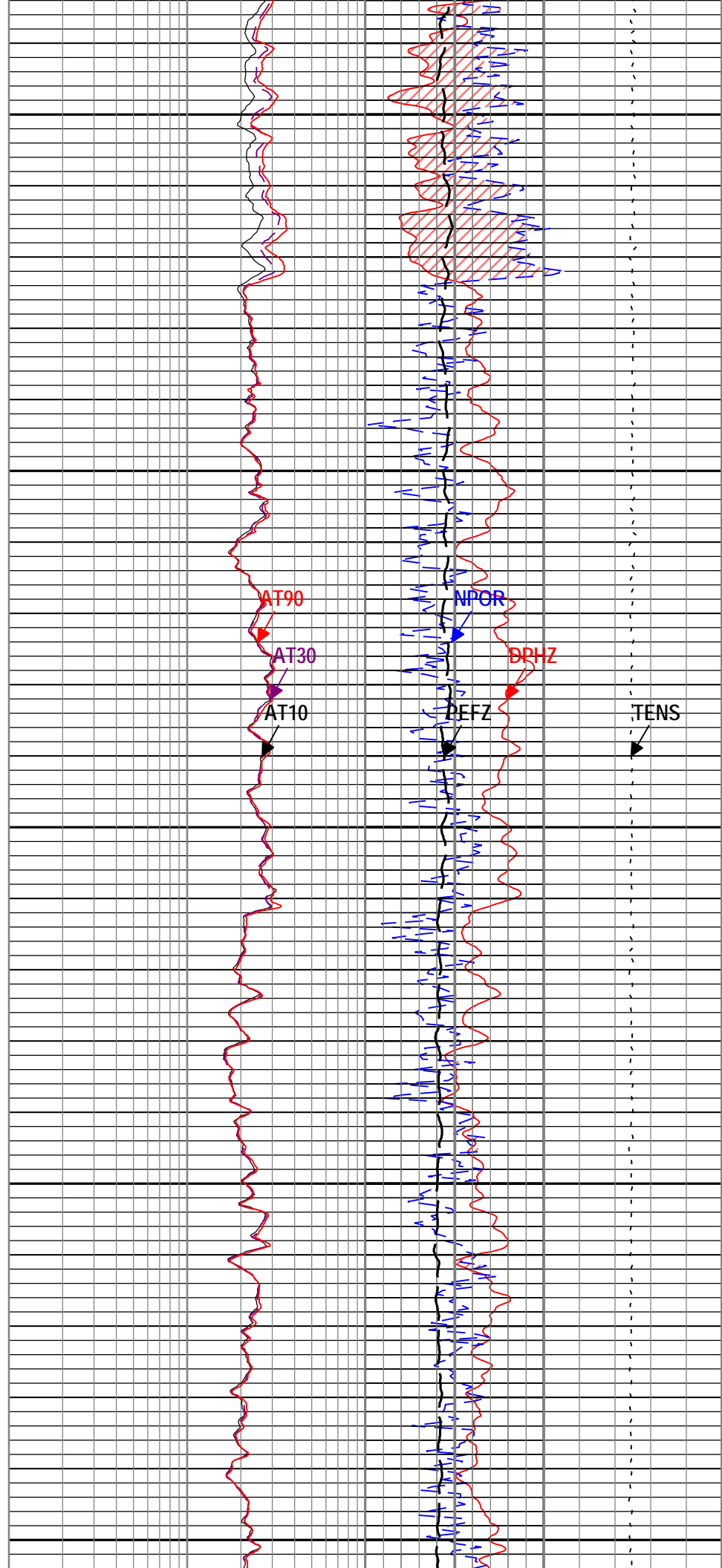
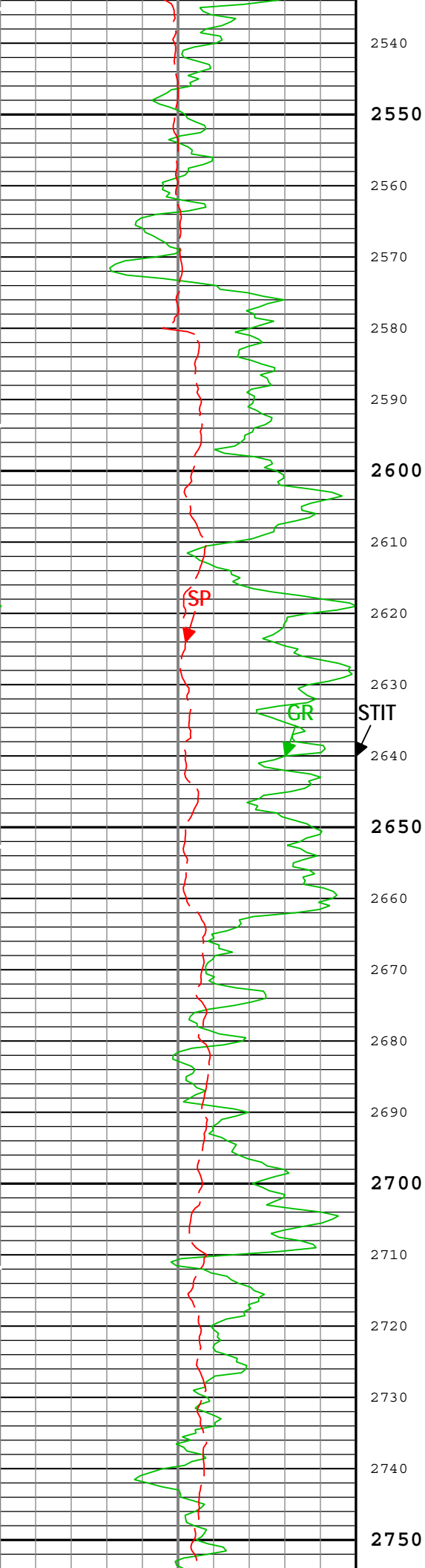


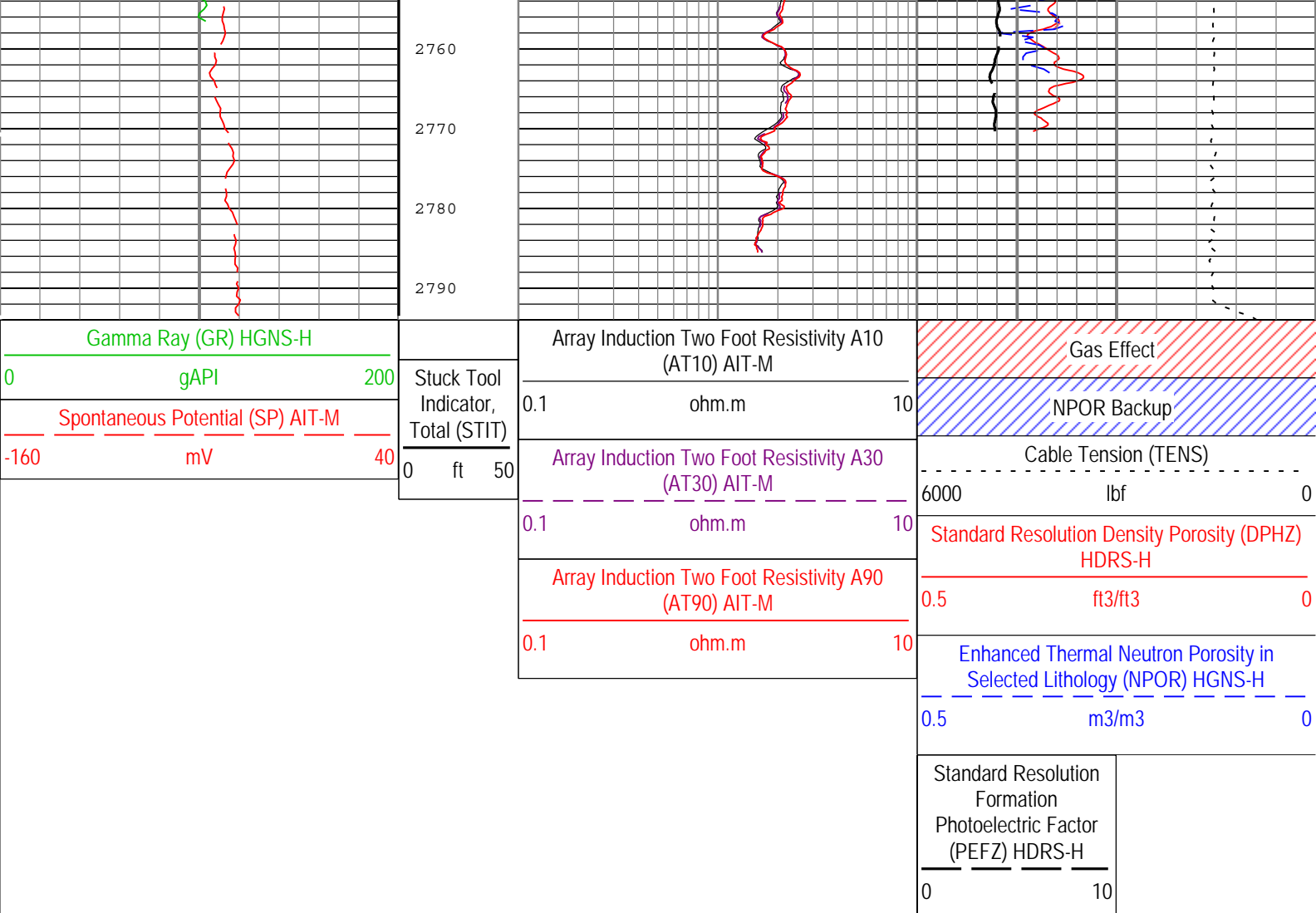












TIME_1900 - Time Marked every 60.00 (s)

Description: HGNS standard resolution porosities for Platform Express Format: Log (EMD 5in Triple Combo Linear) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 19-Nov-2014 02:15:07

Channel Processing Parameters				
Parameter	Description	Tool	Value	Unit
ABHM	Array Induction Borehole Correction Mode	AIT-M	Compute Standoff	
ACDE	Array Induction Casing Detection Enable	AIT-M	Yes	
ASTA	Array Induction Tool Standoff	AIT-M	0.12	in
BARI	Barite Mud Presence Flag	Borehole	No	
BHS	Borehole Status (Open or Cased Hole)	Borehole	Open	
BHT	Bottom Hole Temperature	Borehole	212	degF
BS	Bit Size	WLSESSION	Depth Zoned	in
BSAL	Borehole Salinity	Borehole	14800	ppm
CALI_SHIFT	CALI Supplementary Offset	HDRS-H	0	in
CBLO	Casing Bottom (Logger)	WLSESSION	475.6	ft
CDEN	Cement Density	HGNS-H	2	g/cm3
DC_MODE	Depth Correction Mode	DepthCorrection	Real-time	
DFD	Drilling Fluid Density	Borehole	9.3	lbm/gal
DFT	Drilling Fluid Type	Borehole	Water	
DFT_WATER	Drilling Fluid Water Type	Borehole	Water	
DHC	Density Hole Correction	HDRS-H	Bit Size	
FD	Fluid Density	Borehole	1	g/cm3
FSAL	Formation Salinity	Borehole	0	ppm
GCSE_DOWN_PASS	Generalized Caliper Selection for WL Log Down Passes	Borehole	BS	

Depth Zone Parameters			
Parameter	Value	Start (ft)	Stop (ft)
BS	9.875	12.5	478
BS	6.25	478	2792
All depth are actual.			

Parameter	Description	Tool	Value	Unit
HMCA_BRD_TYPE	HMCA Board Type	HGNS-H	1	
HRGD_BRD_TYPE	HRGD Board Type	HDRS-H	WITH_HET	
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	3600	ft/h

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Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
Run 1	Log[2]:Up	Up	2382.91 ft	2793.62 ft	19-Nov-2014 12:51:13 AM	19-Nov-2014 1:00:47 AM	ON	0.48 ft	No
Run 1	Log[3]:Up	Up	49.15 ft	2793.83 ft	19-Nov-2014 1:04:56 AM	19-Nov-2014 1:54:13 AM	ON	0.48 ft	No

Log

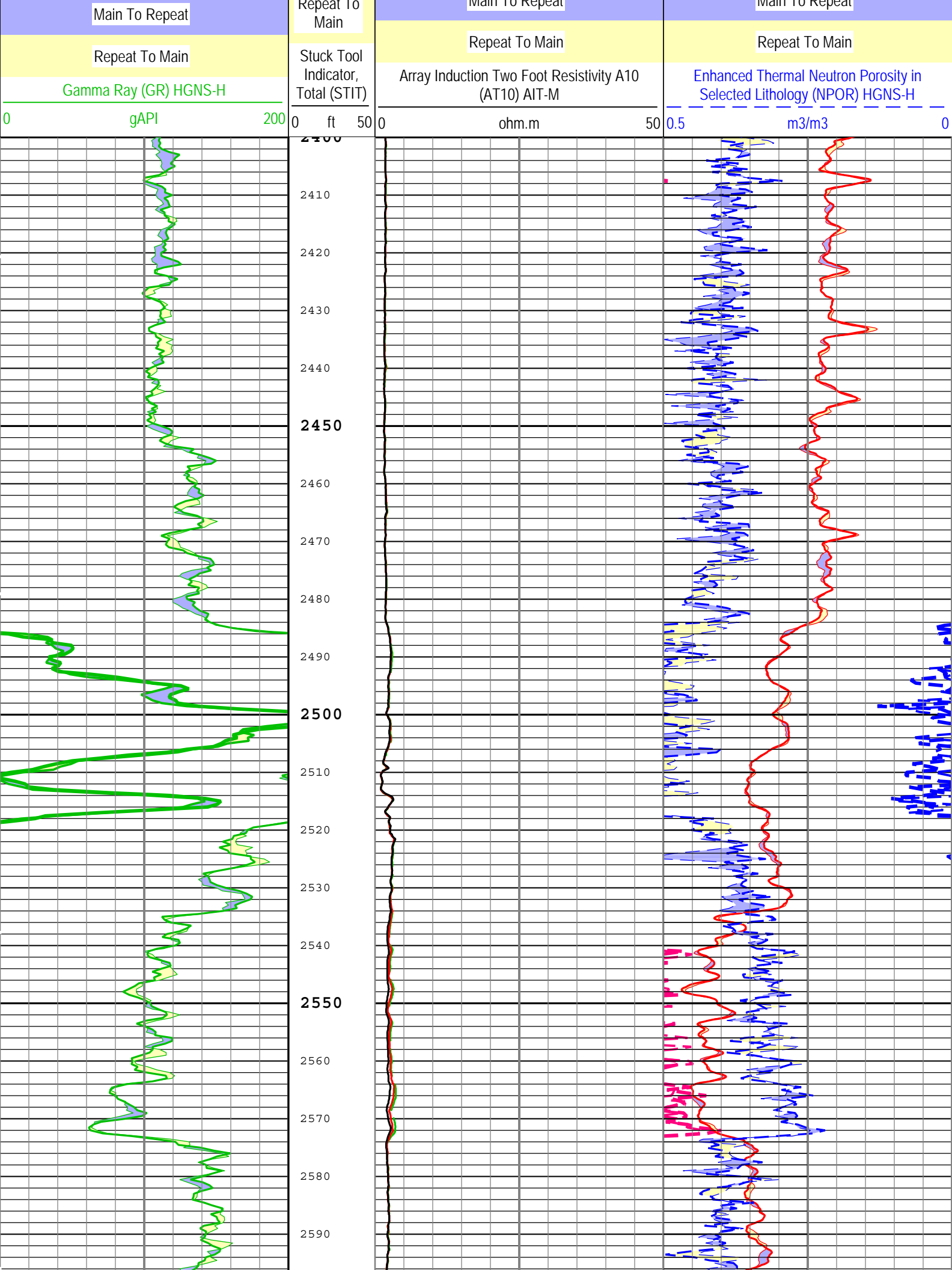
Company:Omimex Petroleum Inc

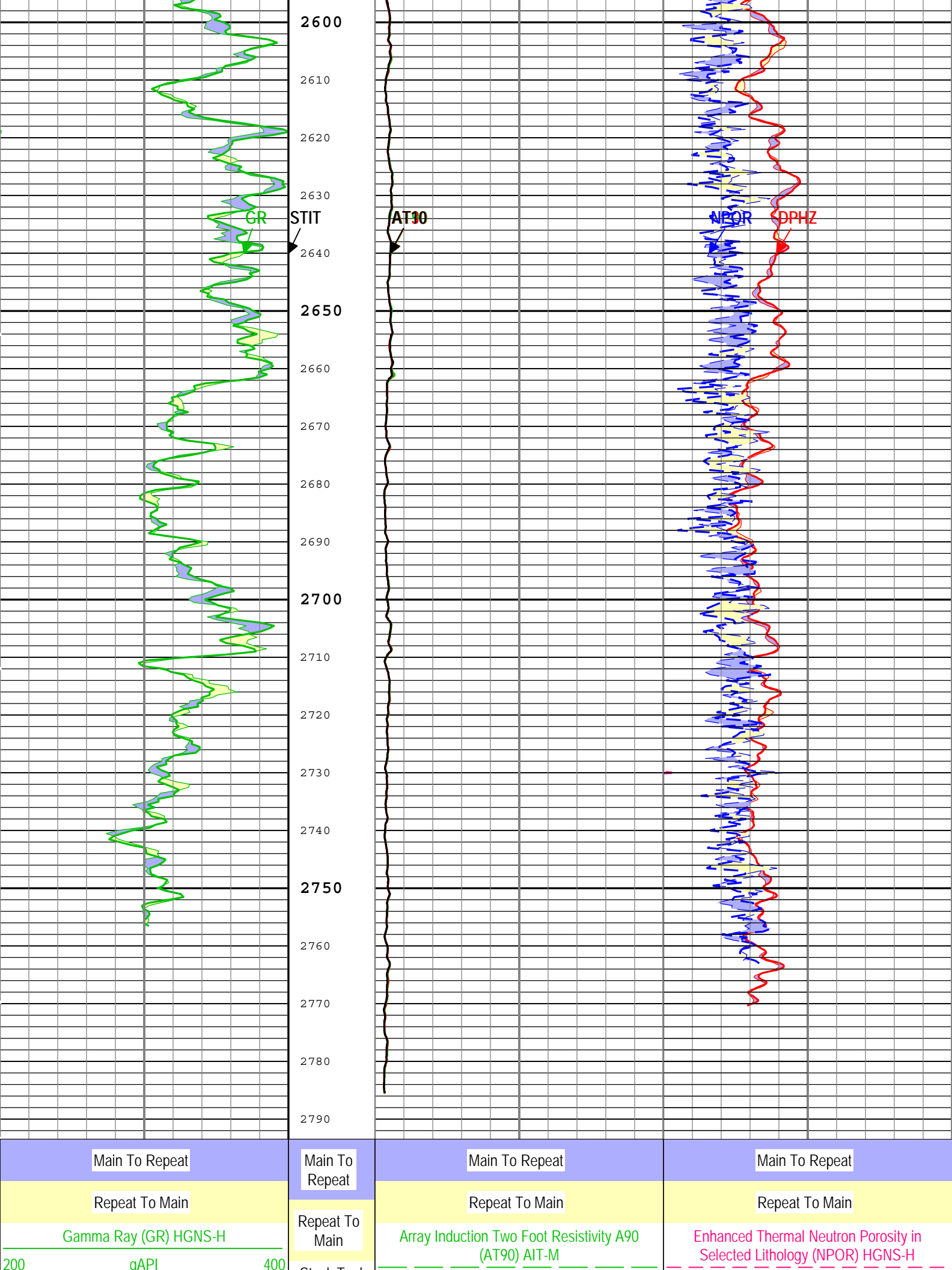
Well:Kennedy State 11 36 7 45

Run 1: Log[2]:Up:S002

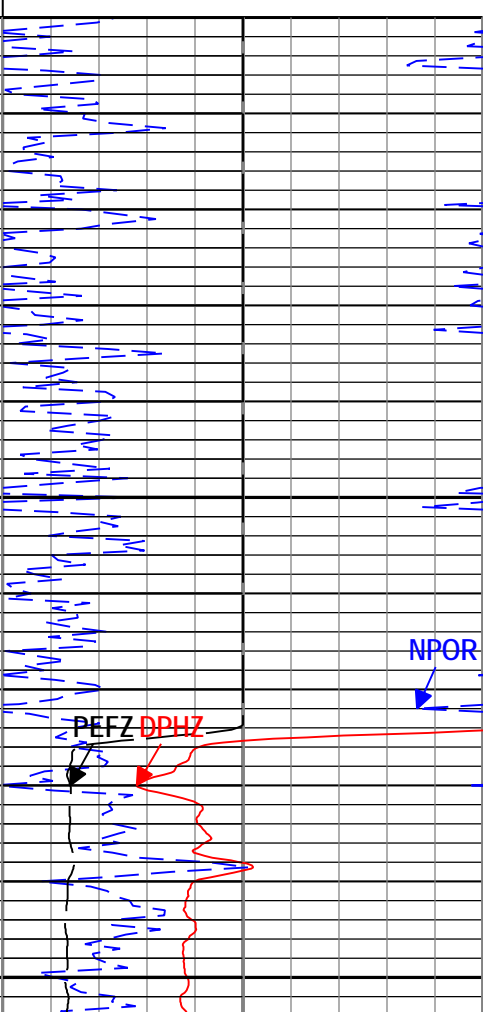
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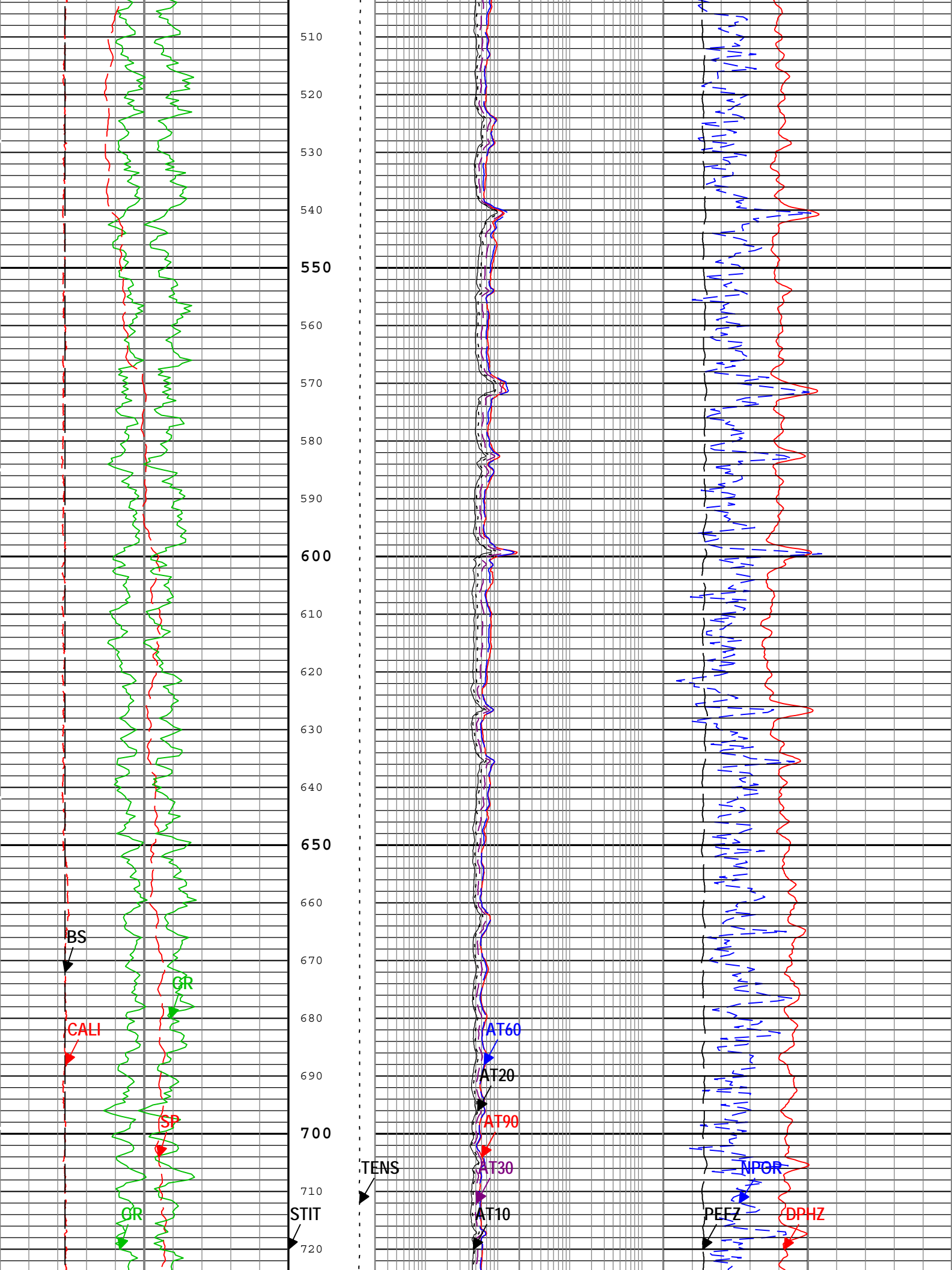
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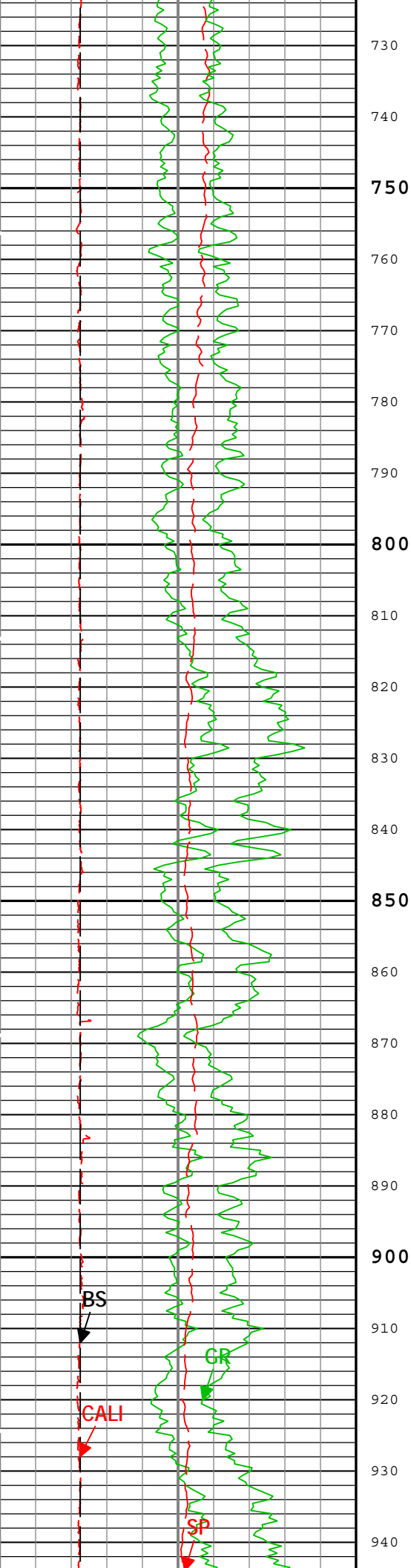




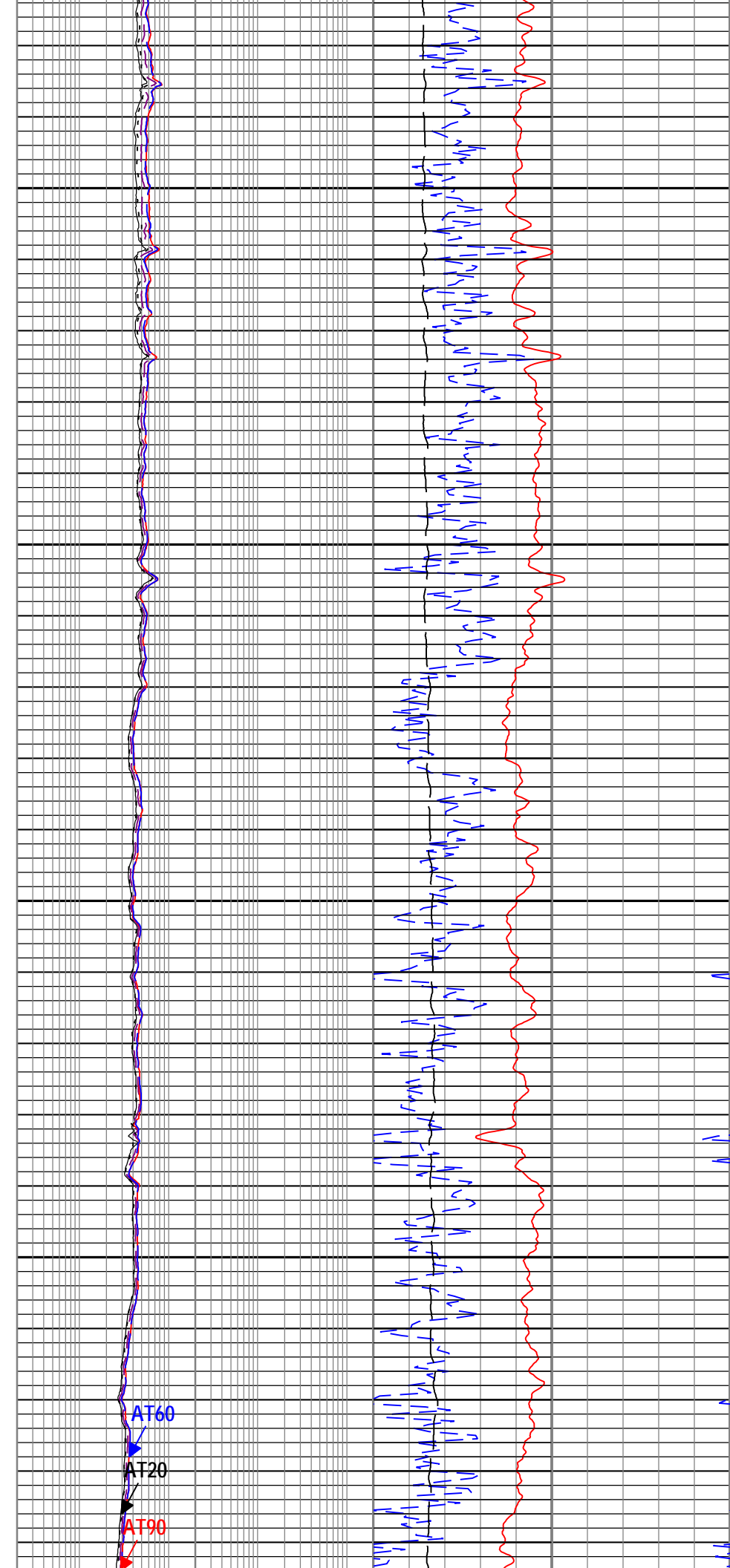
Channel	Source	Sampling
AT10	AIT-M:AMIS:AMIS	3in
AT20	AIT-M:AMIS:AMIS	3in
AT30	AIT-M:AMIS:AMIS	3in
AT60	AIT-M:AMIS:AMIS	3in
AT90	AIT-M:AMIS:AMIS	3in
BS	Borehole	6in
CALI	HDRS-H:HRCC-H:HRCC-H	1in

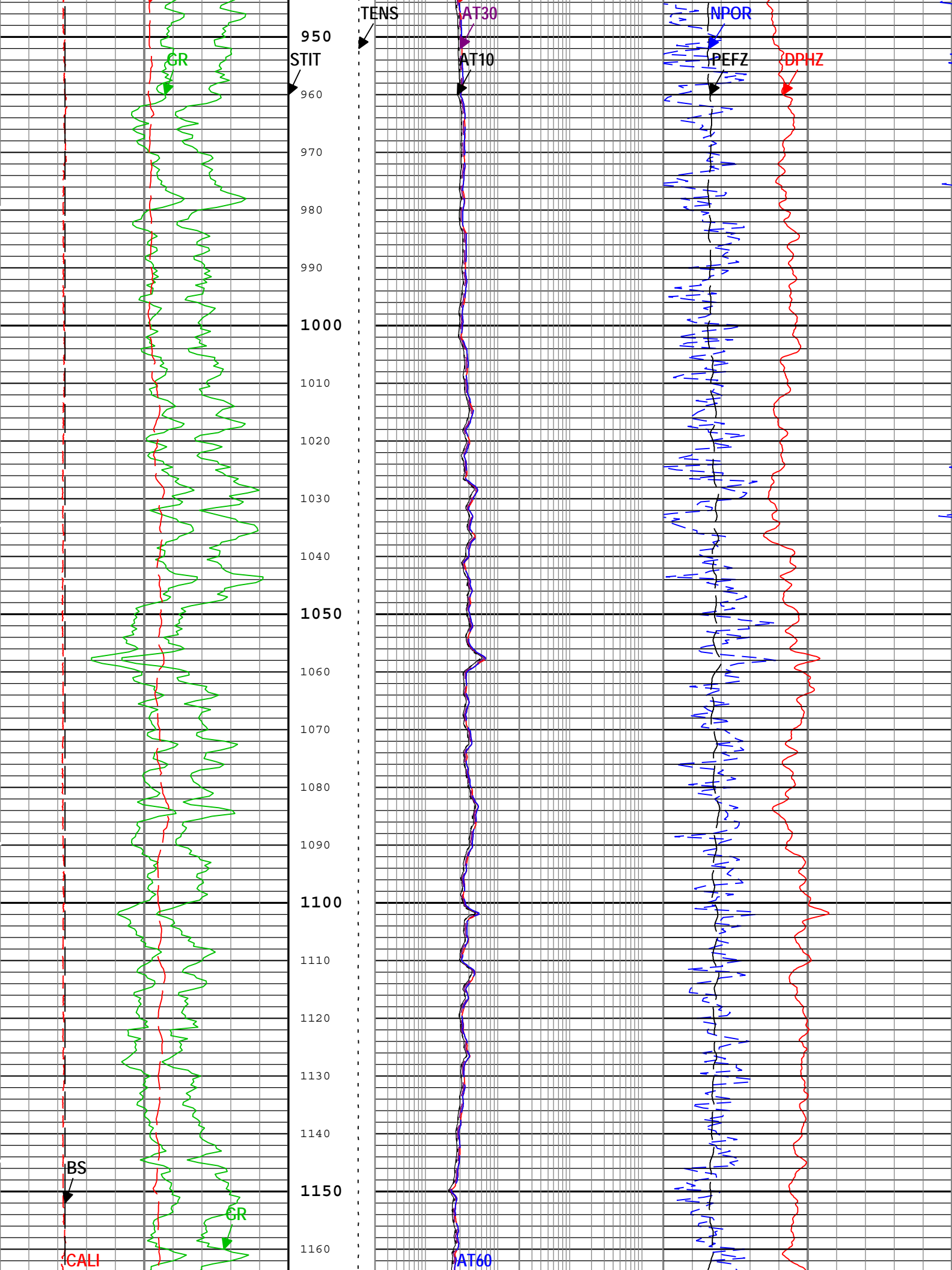
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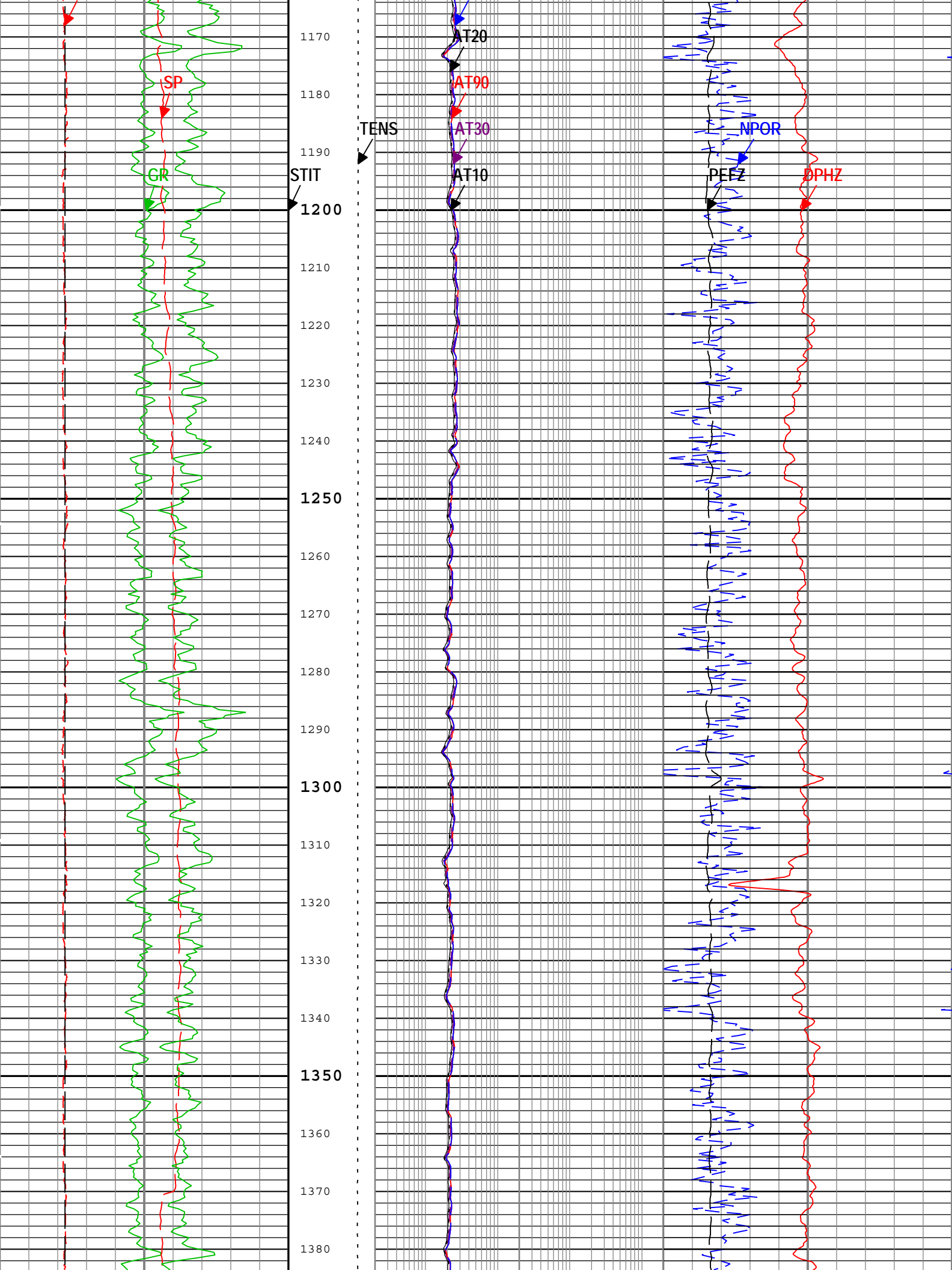


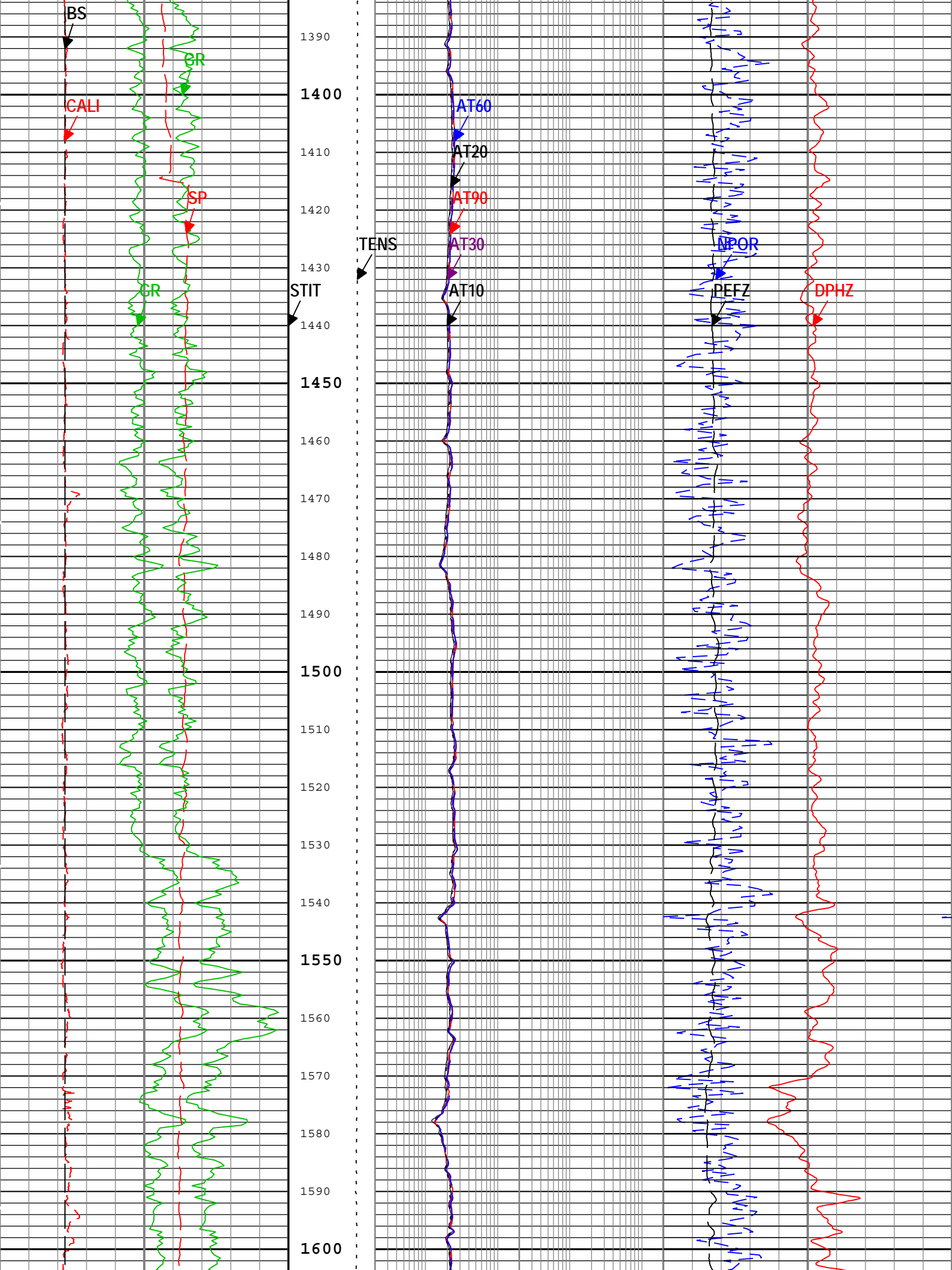


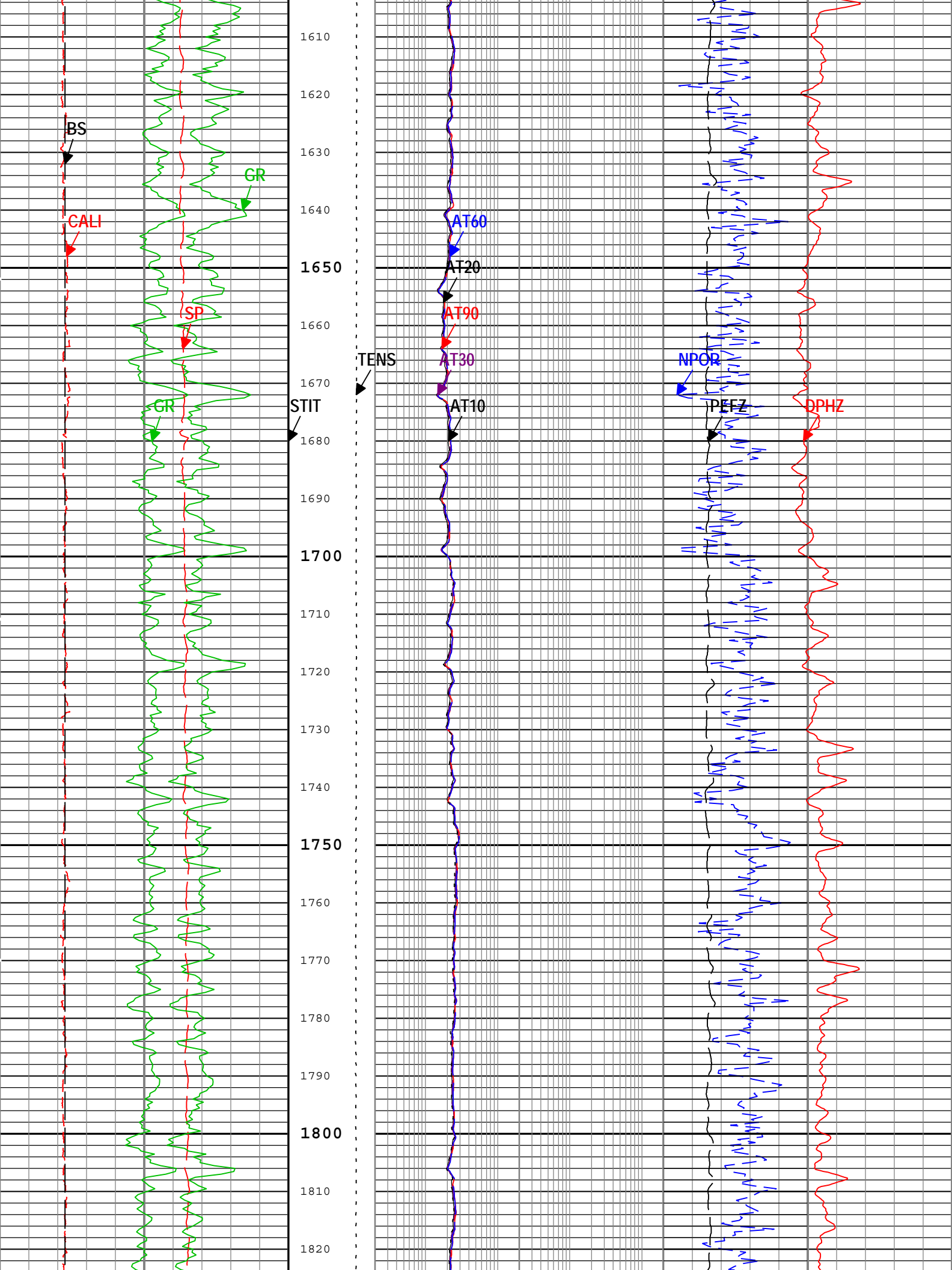
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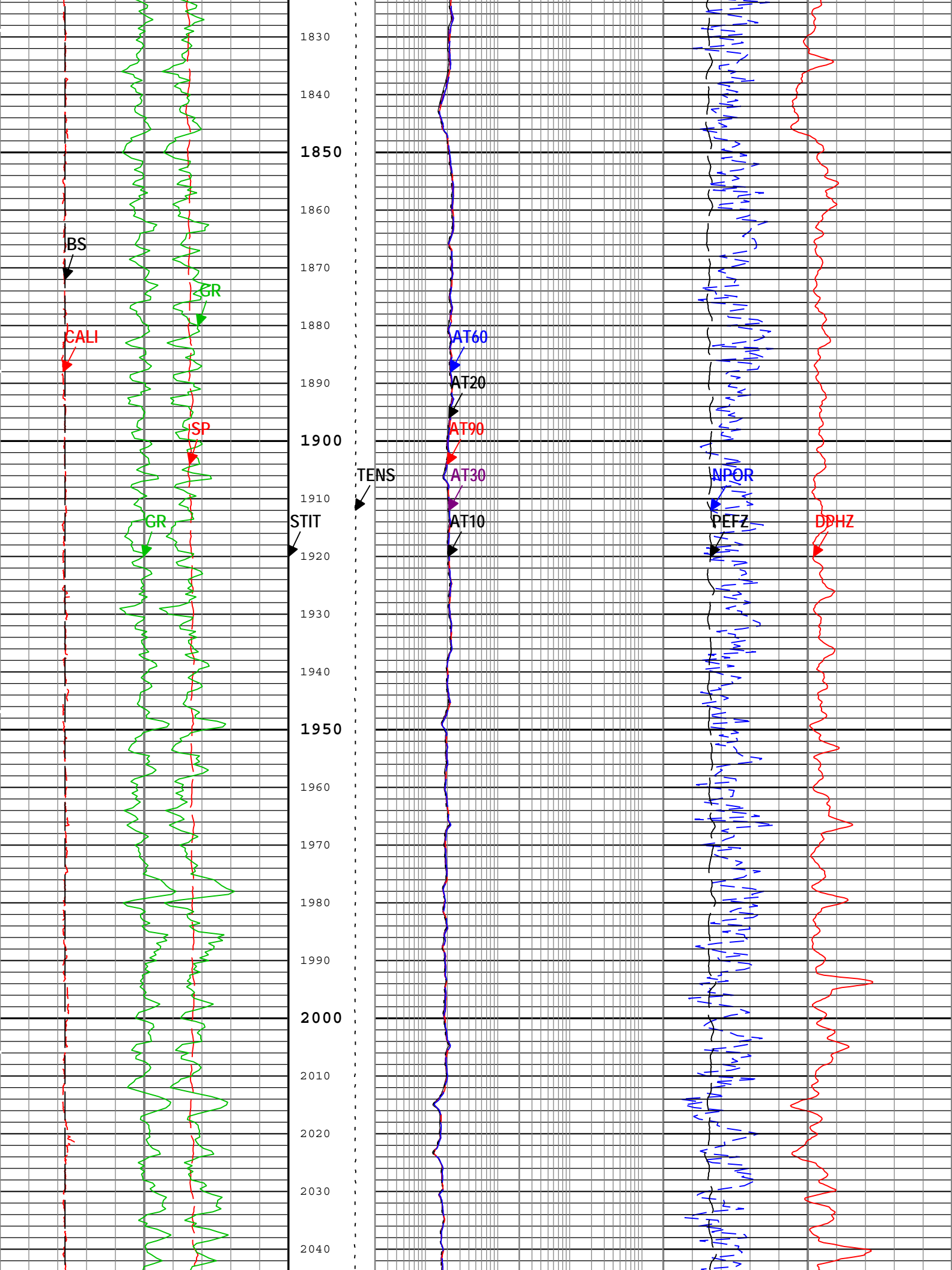


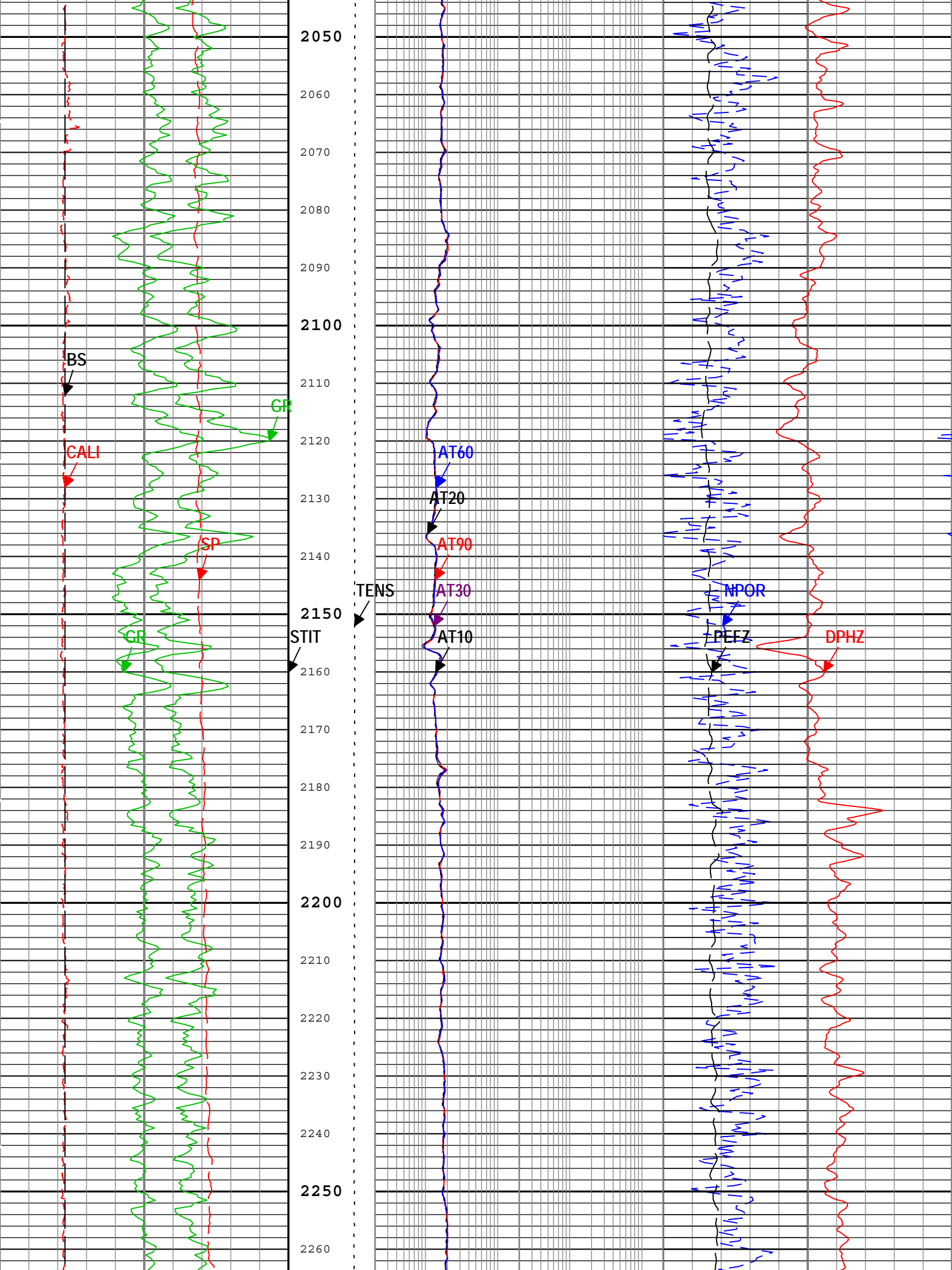


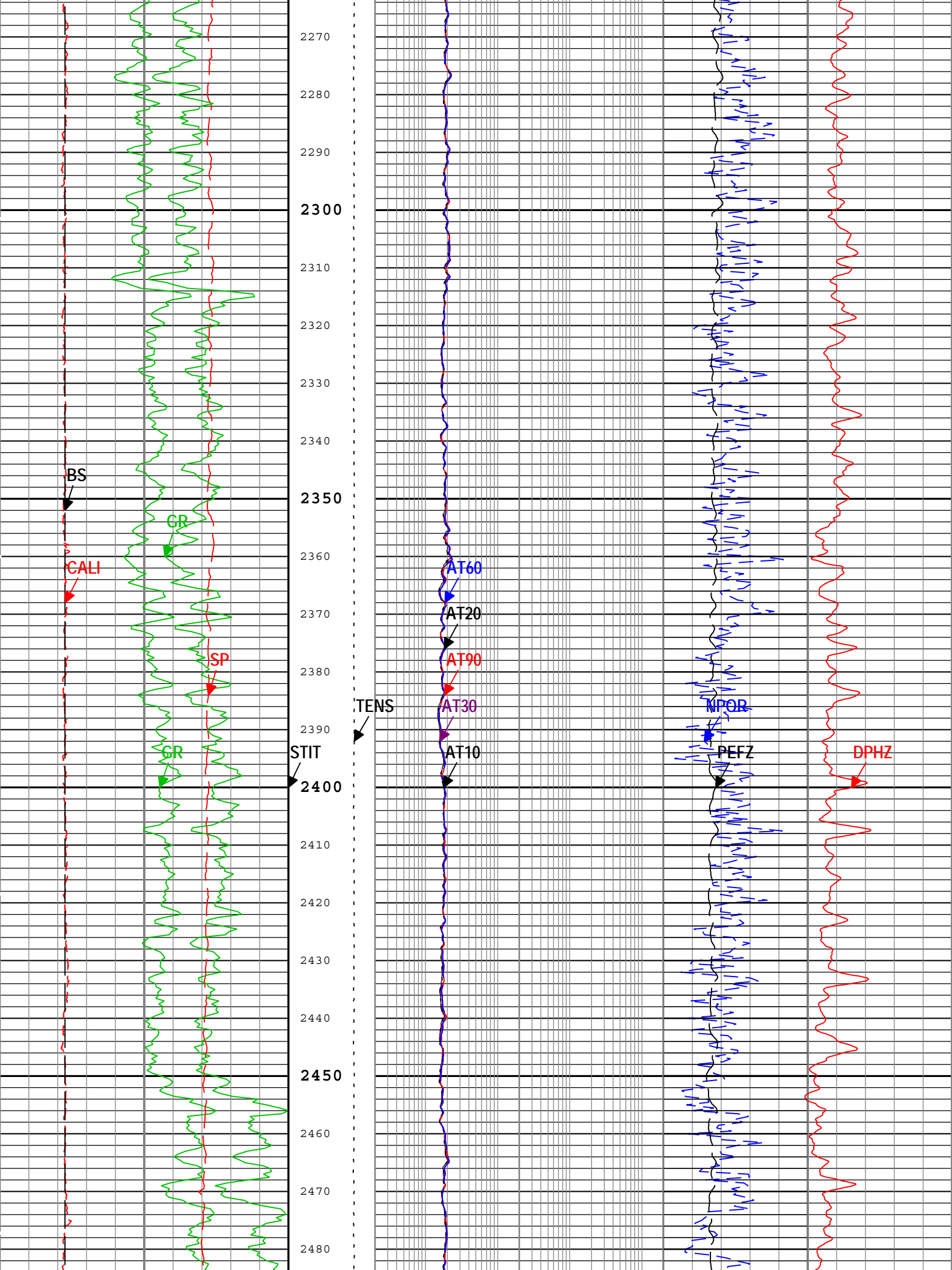


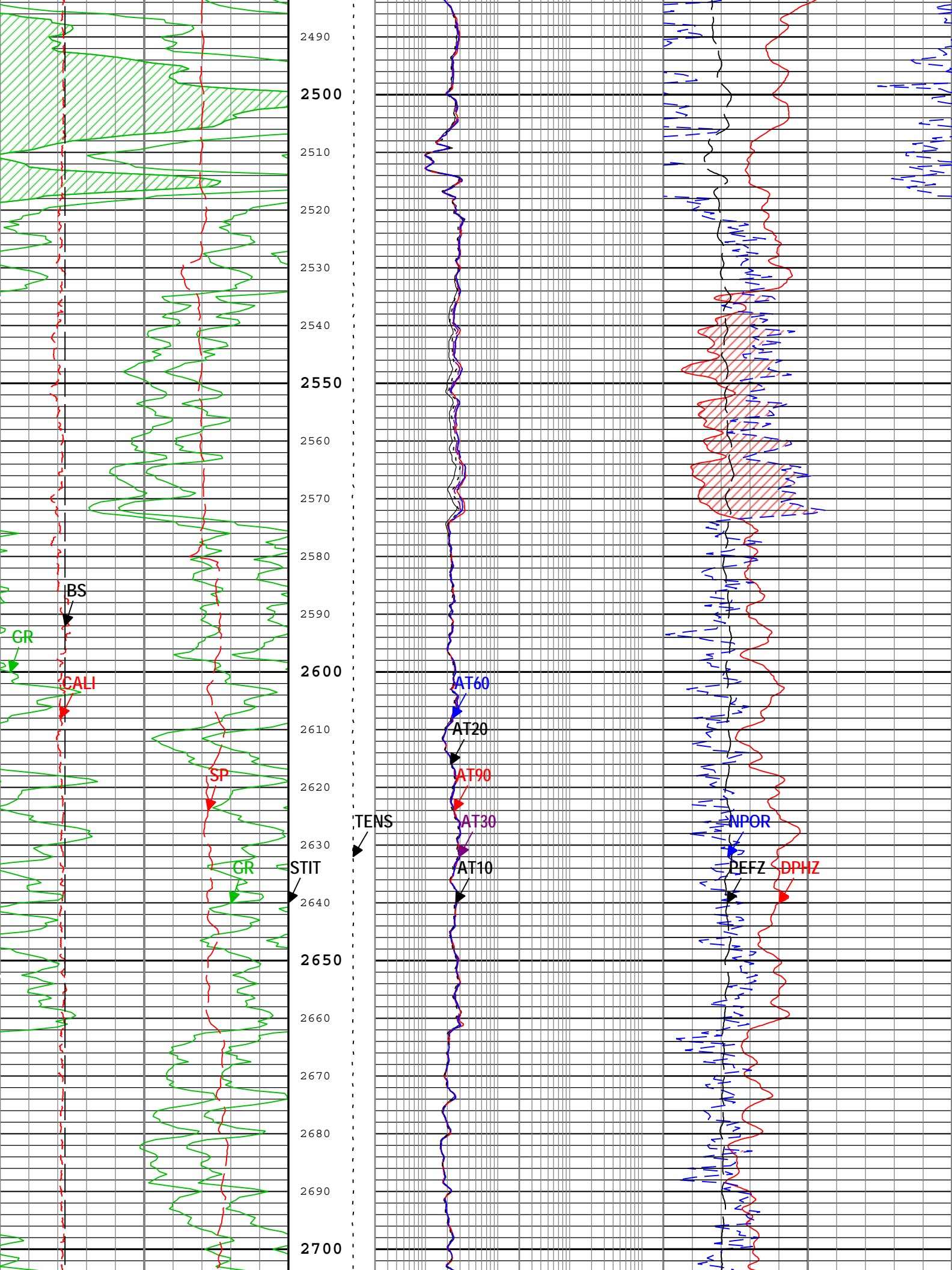


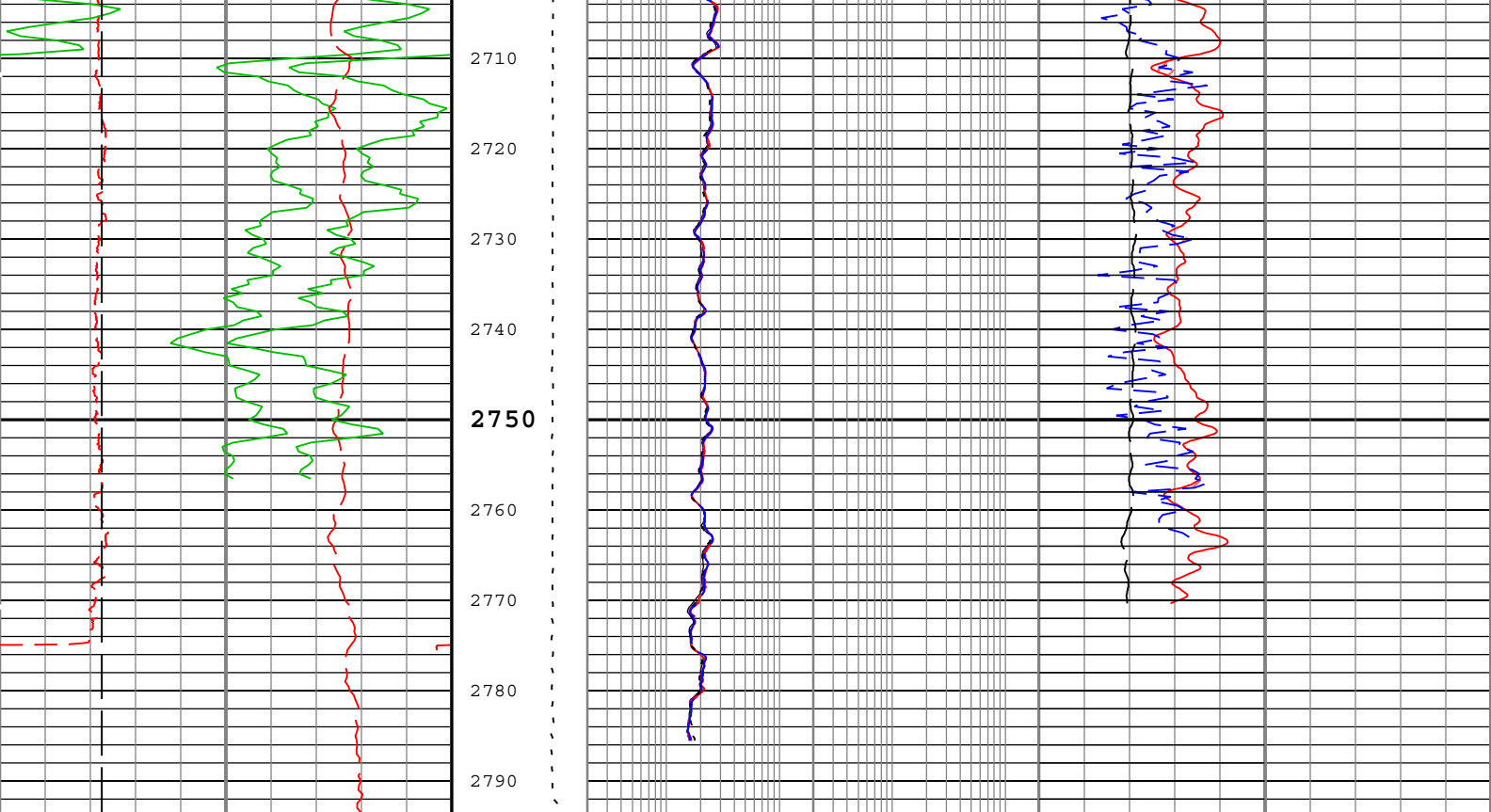












Gamma Ray Back up		
Gamma Ray (GR) HGNS-H		
0	gAPI	200
Spontaneous Potential (SP) AIT-M		
0	mV	200
Caliper (CALI) HDRS-H		
4	in	14
Gamma Ray (GR) HGNS-H		
0	gAPI	150
Bit Size (BS)		
4	in	14

Stuck Tool Indicator, Total (STIT)

0 ft 50

Cable Tension (TENS)

6000 lbf 0

Array Induction Two Foot Resistivity A10 (AT10) AIT-M		
0.2	ohm.m	2000
Array Induction Two Foot Resistivity A30 (AT30) AIT-M		
0.2	ohm.m	2000
Array Induction Two Foot Resistivity A90 (AT90) AIT-M		
0.2	ohm.m	2000
Array Induction Two Foot Resistivity A20 (AT20) AIT-M		
0.2	ohm.m	2000
Array Induction Two Foot Resistivity A60 (AT60) AIT-M		
0.2	ohm.m	2000

Gas Effect		
NPOR Backup		
Standard Resolution Density Porosity (DPHZ) HDRS-H		
0.5	ft3/ft3	0
Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H		
0.5	m3/m3	0
Standard Resolution Formation Photoelectric Factor (PEFZ) HDRS-H		
0		10

TIME_1900 - Time Marked every 60.00 (s)

Description: HGNS standard resolution porosities for Platform Express Format: Log (EMD 5in Triple Combo) Index Scale: 5 in per 100 ft Index Unit: ft
Index Type: Measured Depth Creation Date: 19-Nov-2014 02:15:10

Channel Processing Parameters				
Parameter	Description	Tool	Value	Unit
ABHM	Array Induction Borehole Correction Mode	AIT-M	Compute Standoff	
ACDE	Array Induction Casing Detection Enable	AIT-M	Yes	
ASTA	Array Induction Tool Standoff	AIT-M	0.12	in
BARI	Barite Mud Presence Flag	Borehole	No	
BHS	Borehole Status (Open or Cased Hole)	Borehole	Open	
BHT	Bottom Hole Temperature	Borehole	212	degF
BS	Bit Size	WLSESSION	Depth Zoned	in

BSAL	Borehole Salinity	Borehole	14800	ppm
CALI_SHIFT	CALI Supplementary Offset	HDRS-H	0	in
CBLO	Casing Bottom (Logger)	WLSESSION	475.6	ft
CDEN	Cement Density	HGNS-H	2	g/cm3
DC_MODE	Depth Correction Mode	DepthCorrection	Real-time	
DFD	Drilling Fluid Density	Borehole	9.3	lbm/gal
DFT	Drilling Fluid Type	Borehole	Water	
DFT_WATER	Drilling Fluid Water Type	Borehole	Water	
DHC	Density Hole Correction	HDRS-H	Bit Size	
FD	Fluid Density	Borehole	1	g/cm3
FSAL	Formation Salinity	Borehole	0	ppm
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	
GTSE	Generalized Temperature Selection, from Measured or Computed Temperature	Borehole	CTEM	
HSCO	Hole Size Correction Option	HGNS-H	Yes	
MATR	Rock Matrix for Neutron Porosity Corrections	Borehole	LIMESTONE	
MDEN	Matrix Density for Density Porosity	Borehole	2.71	g/cm3
MFST	Mud Filtrate Sample Temperature	Borehole	75	degF
RMFS	Resistivity of Mud Filtrate Sample	Borehole	0.47	ohm.m
SPDR	SP Drift Per Foot	AIT-M	0	mV/ft
TD	Total Measured Depth	Borehole	2789	ft

Depth Zone Parameters			
Parameter	Value	Start (ft)	Stop (ft)
BS	9.875	400	478
BS	6.25	478	2792
All depth are actual.			

Tool Control Parameters				
Parameter	Description	Tool	Value	Unit
HMCA_BRD_TYPE	HMCA Board Type	HGNS-H	1	
HRGD_BRD_TYPE	HRGD Board Type	HDRS-H	WITH_HET	
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	3600	ft/h

Run 1									
5" Triple Combo									

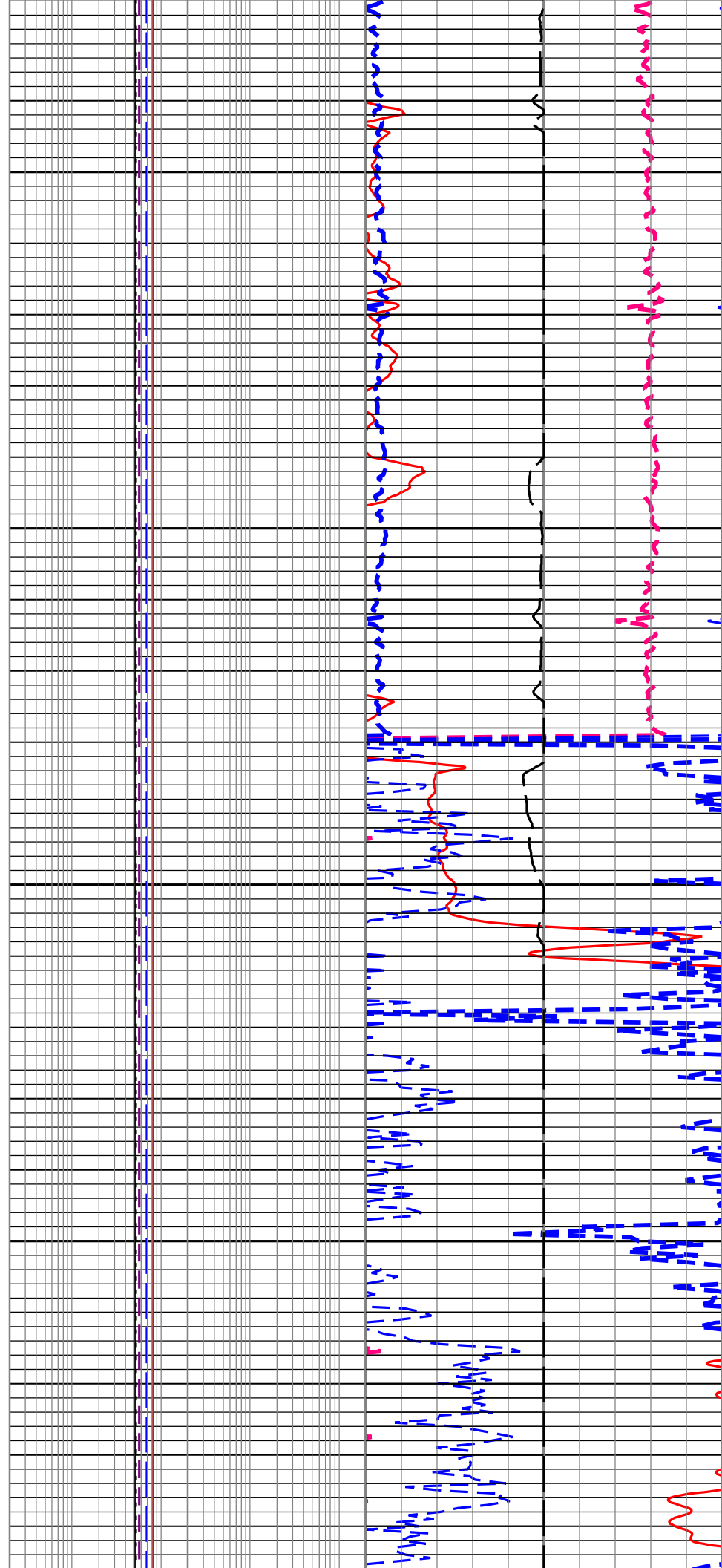
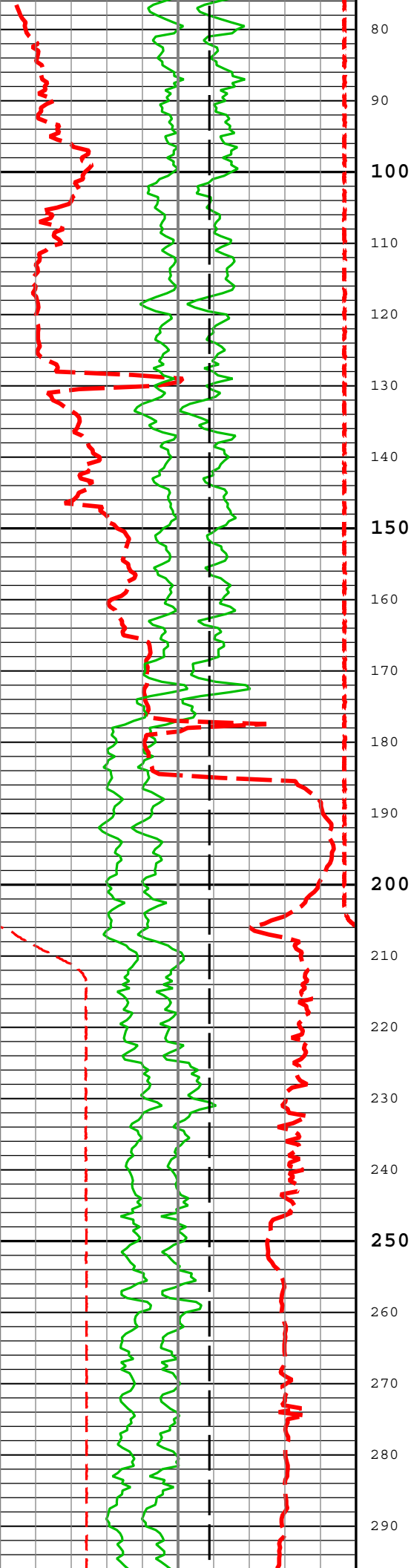
Pass Summary									
Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
Run 1	Log[2]:Up	Up	2382.91 ft	2793.62 ft	19-Nov-2014 12:51:13 AM	19-Nov-2014 1:00:47 AM	ON	0.48 ft	No
Run 1	Log[3]:Up	Up	49.15 ft	2793.83 ft	19-Nov-2014 1:04:56 AM	19-Nov-2014 1:54:13 AM	ON	0.48 ft	No

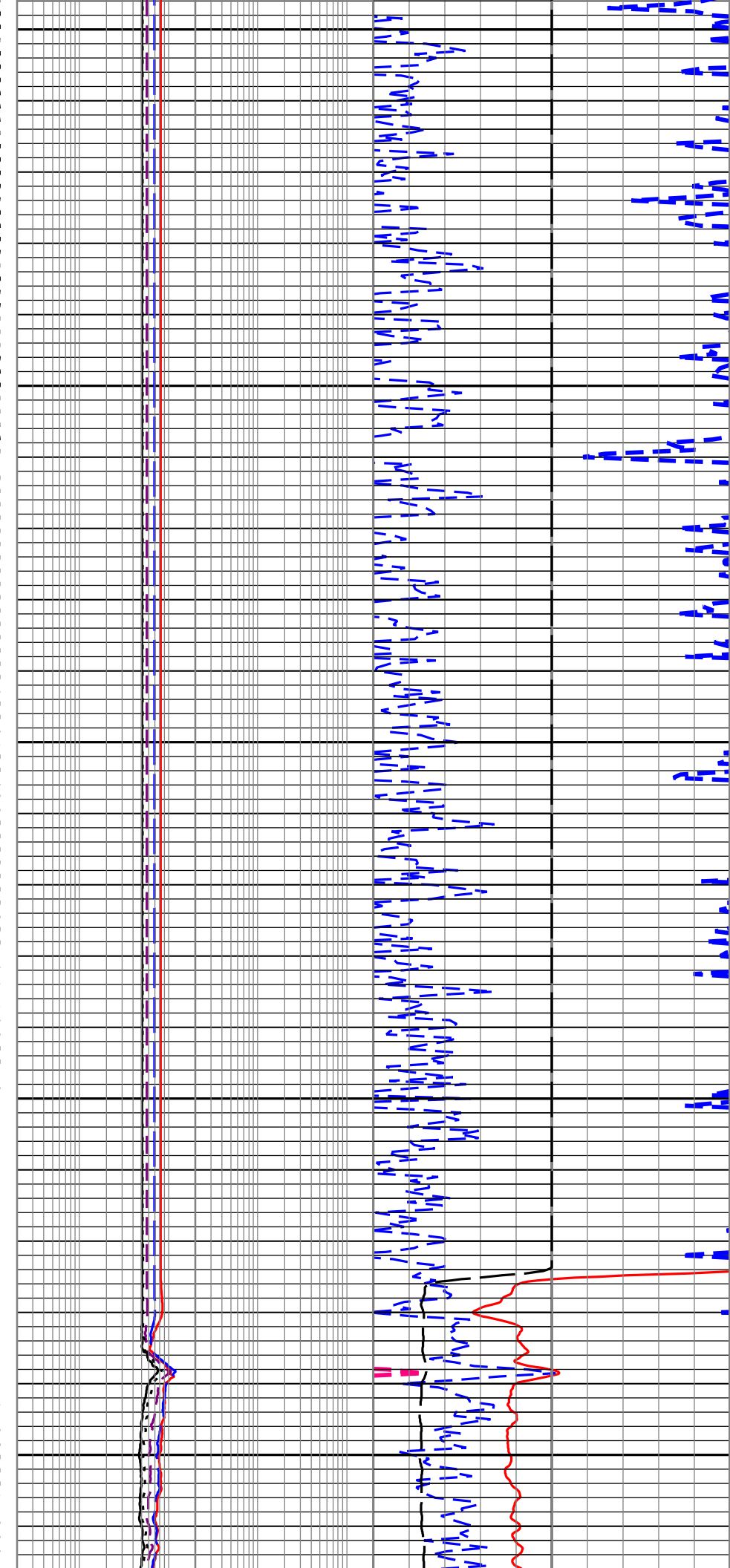
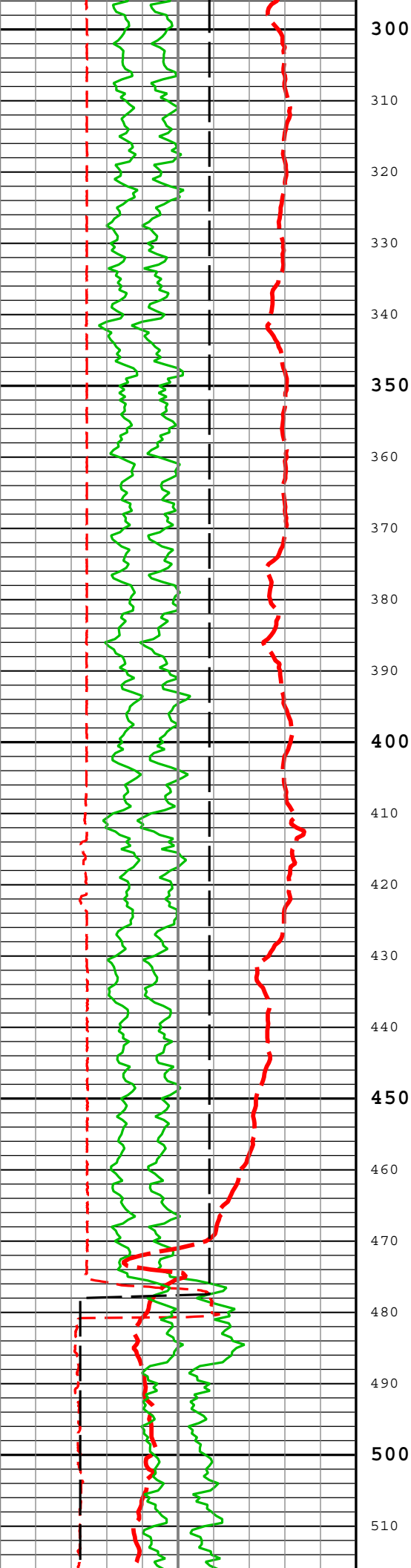
All depths are referenced to toolstring zero		
Log	Company:Omimex Petroleum Inc	Well:Kennedy State 11 36 7 45
	Run 1: Log[2]:Up:S002	

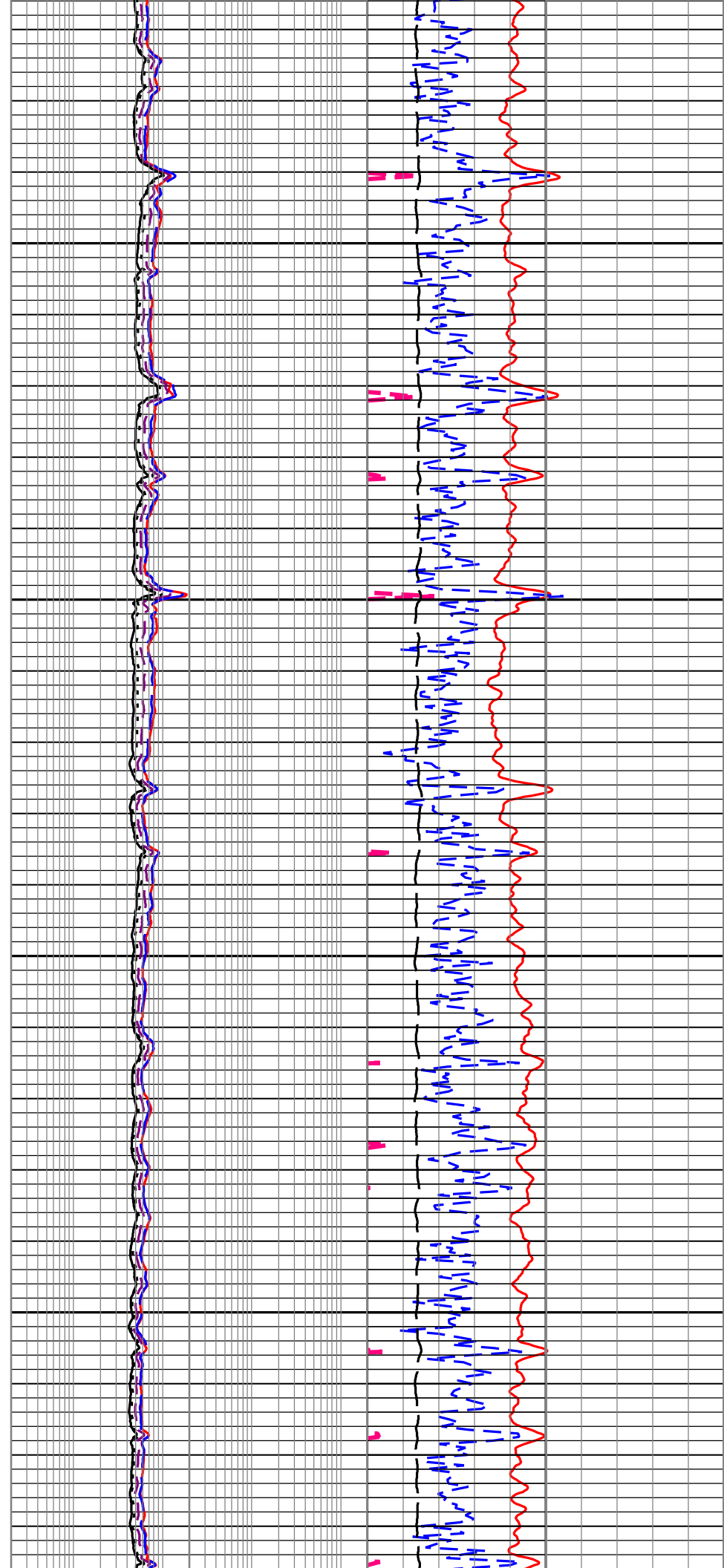
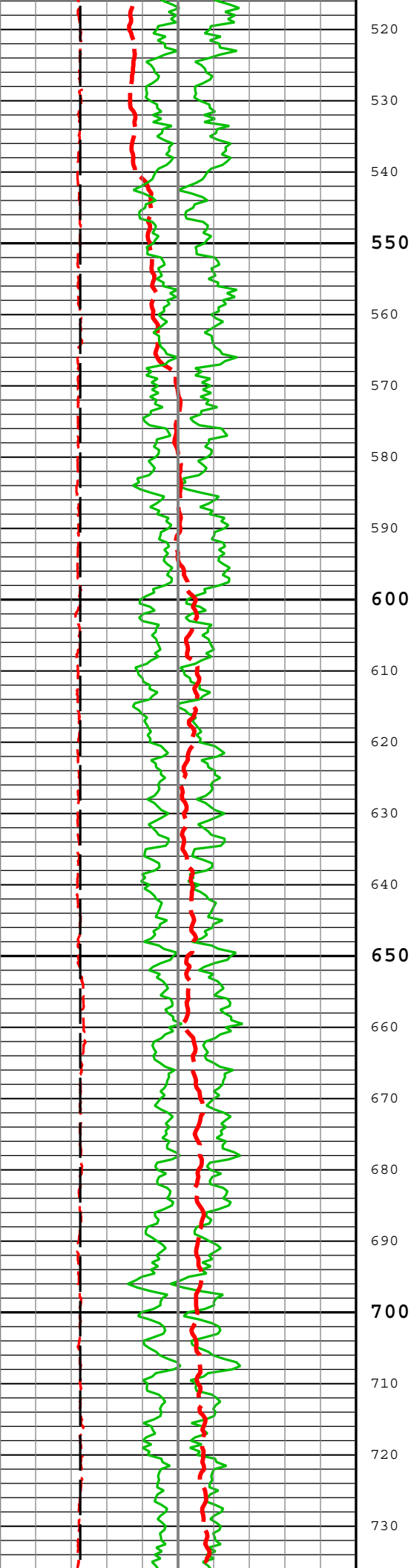
Description: HGNS standard resolution porosities for Platform Express Format: Log (EMD 5in Triple Combo RA) Index Scale: 5 in per 100 ft Index Unit: ft
Index Type: Measured Depth Creation Date: 19-Nov-2014 02:15:11

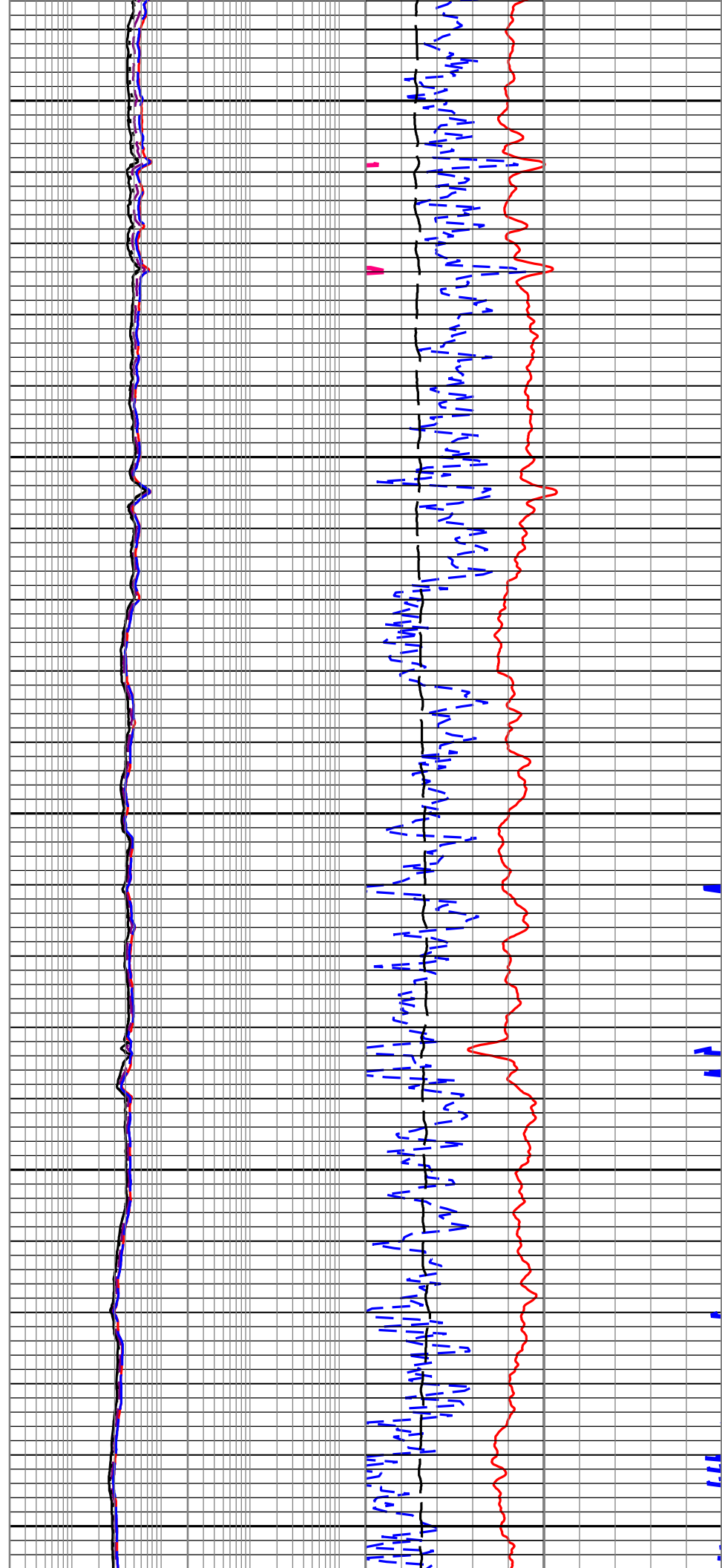
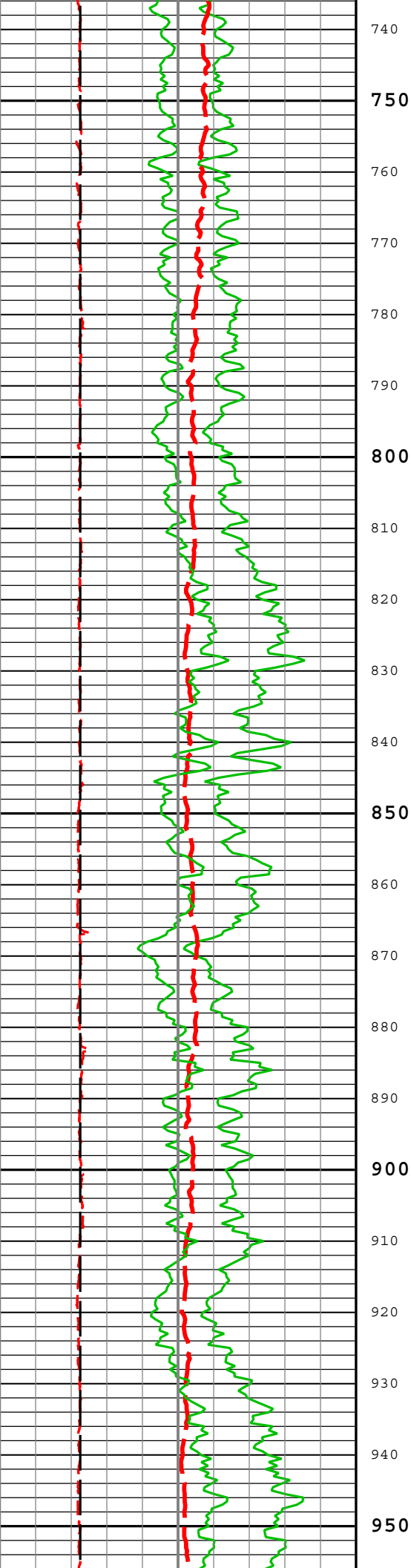
TIME_1900 - Time Marked every 60.00 (s)

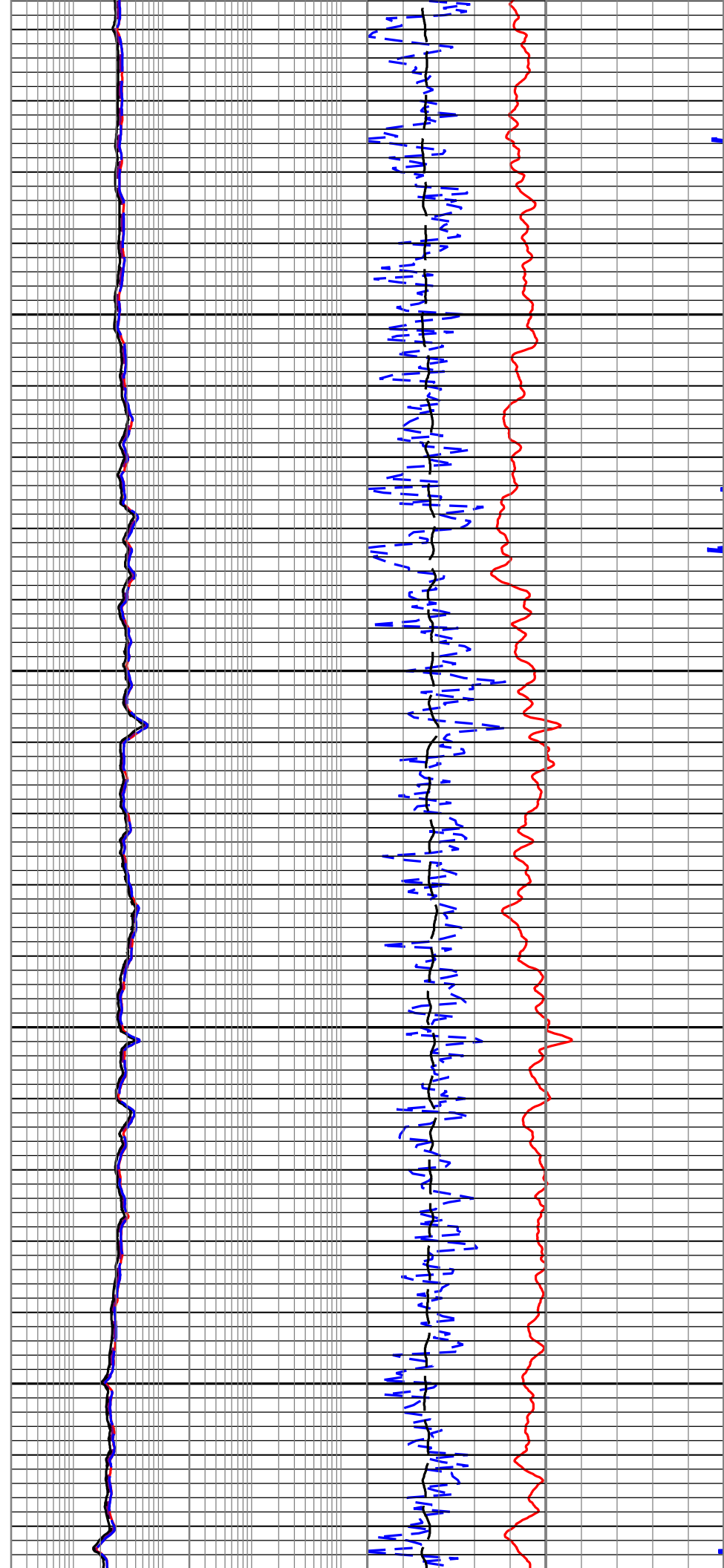
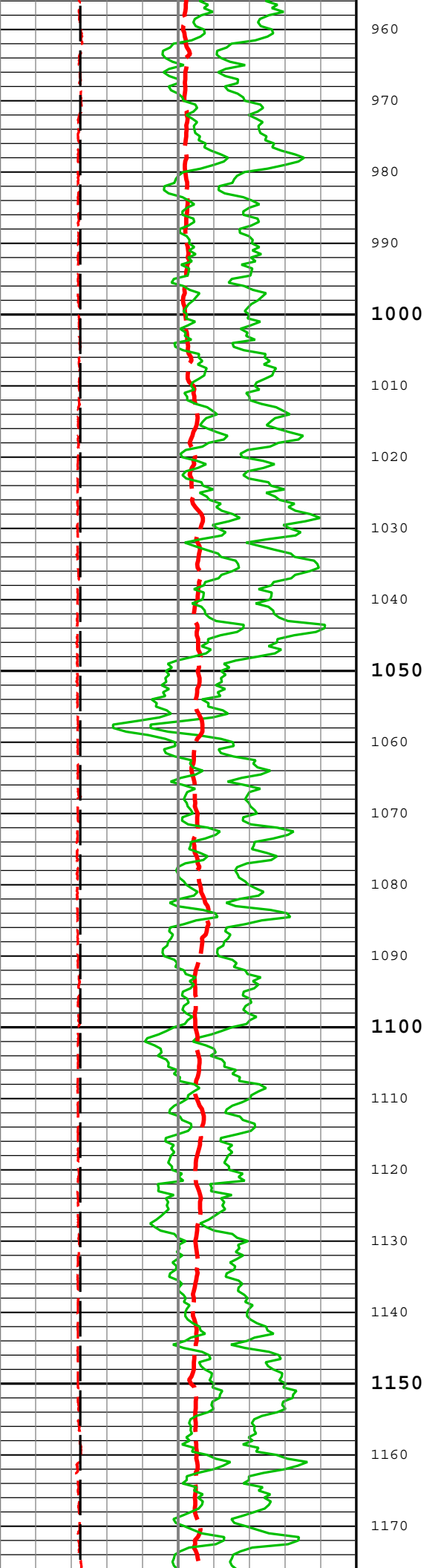
Main To Repeat

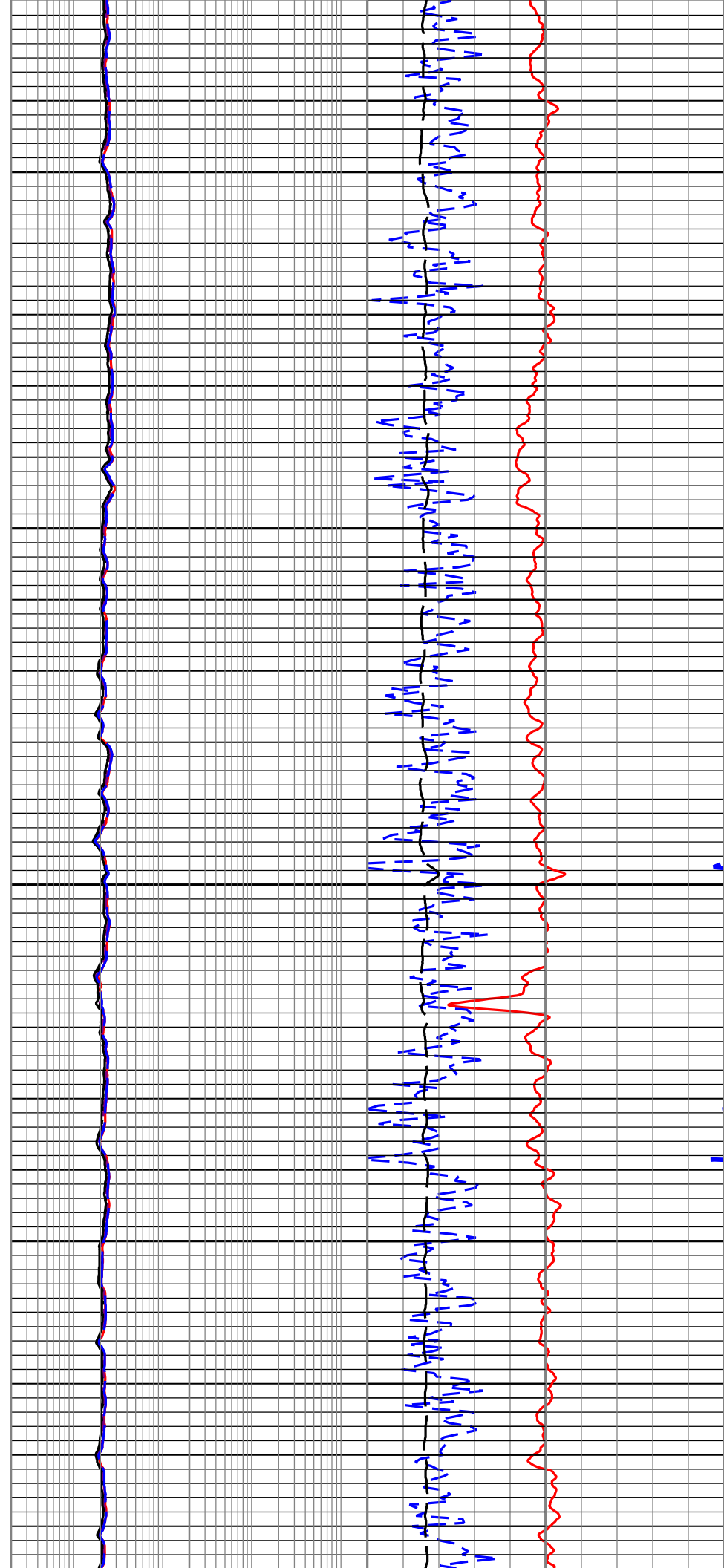
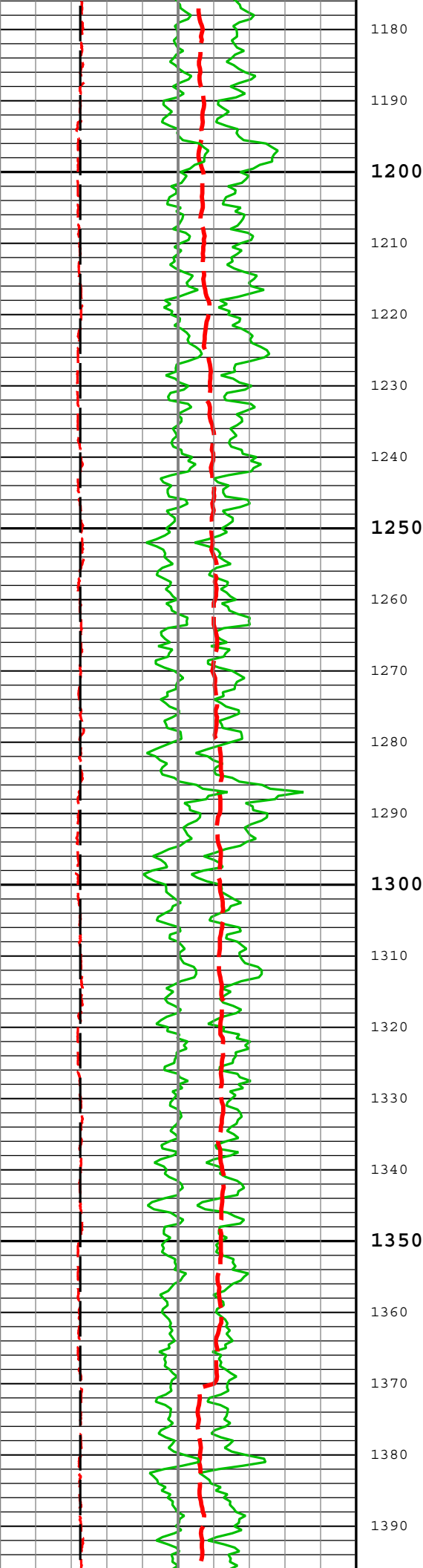


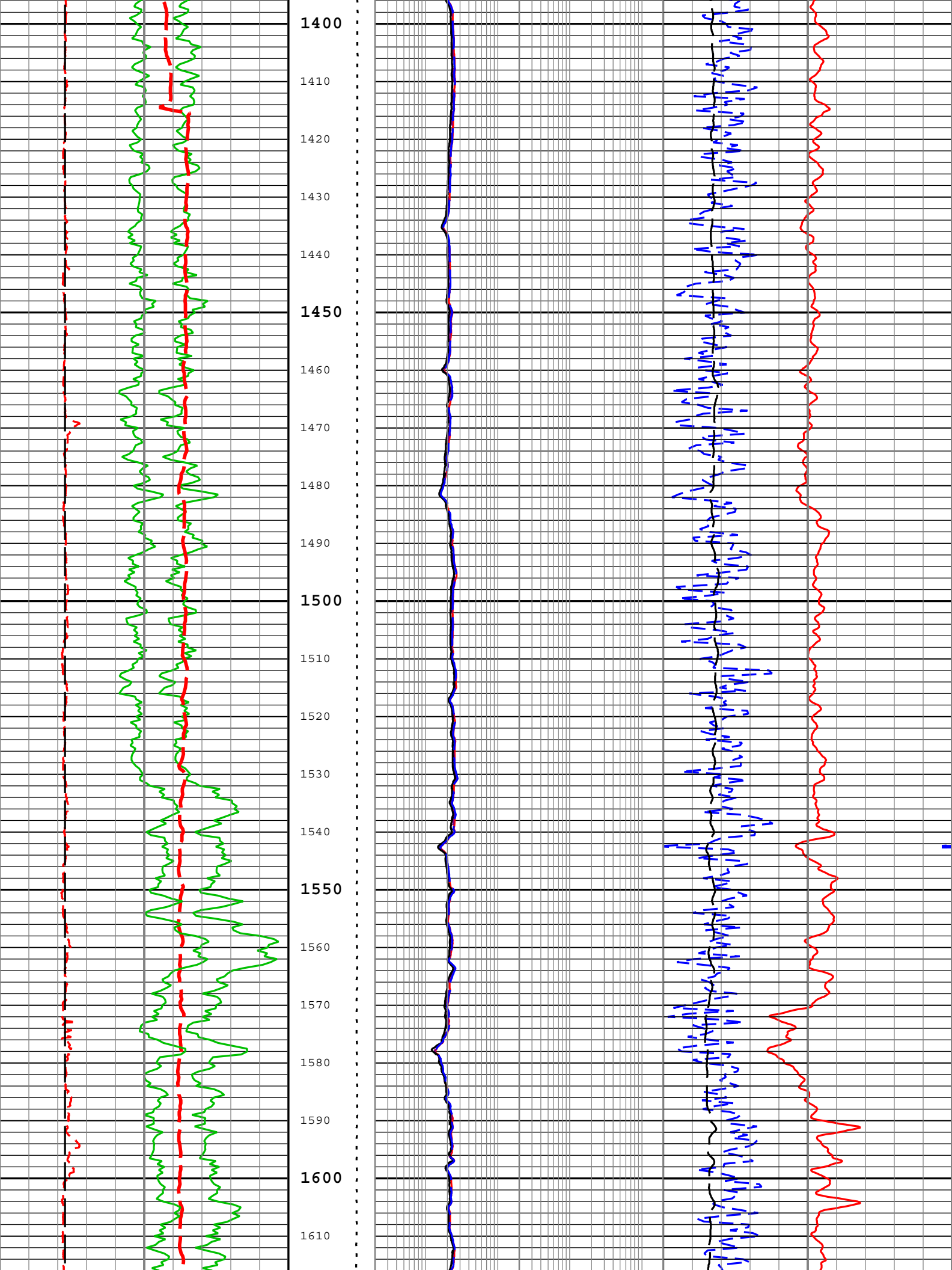


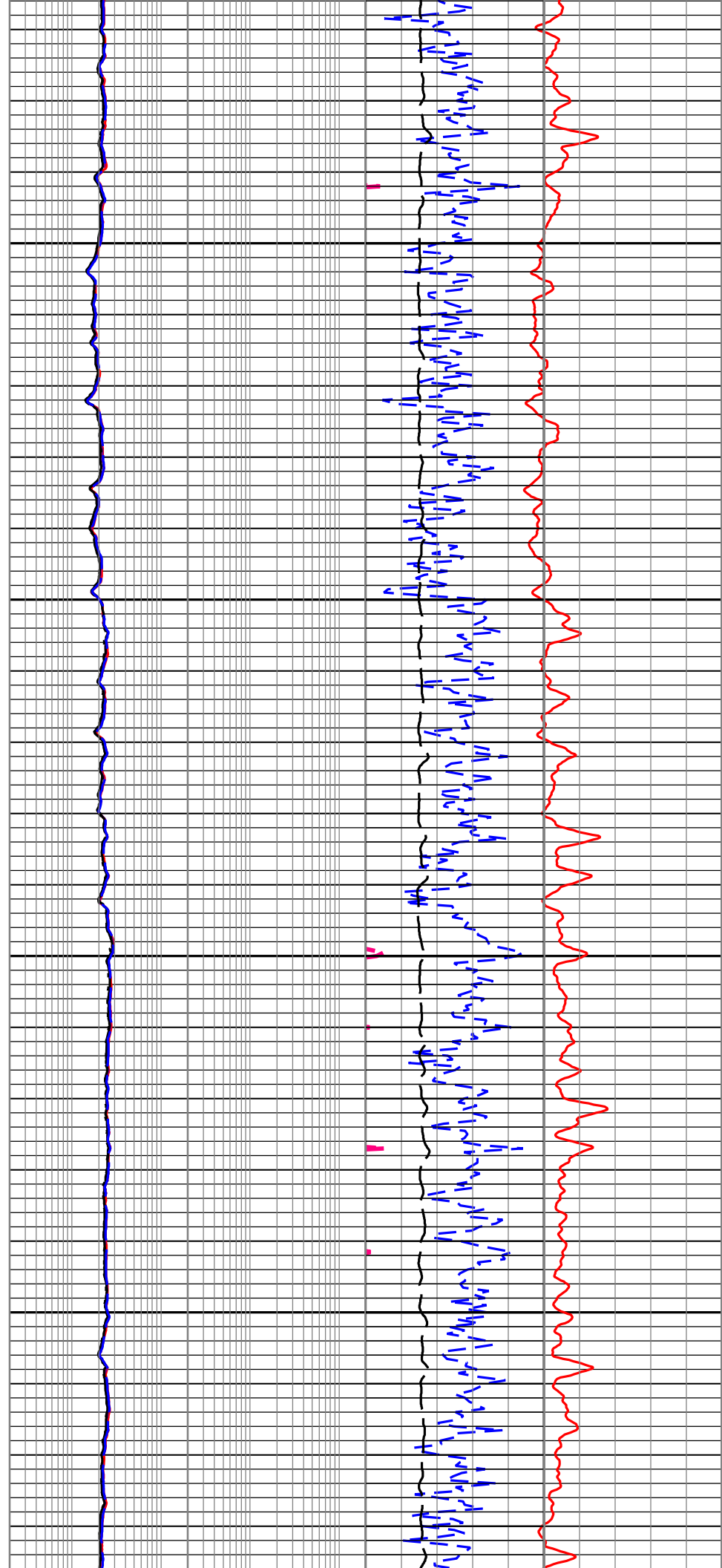
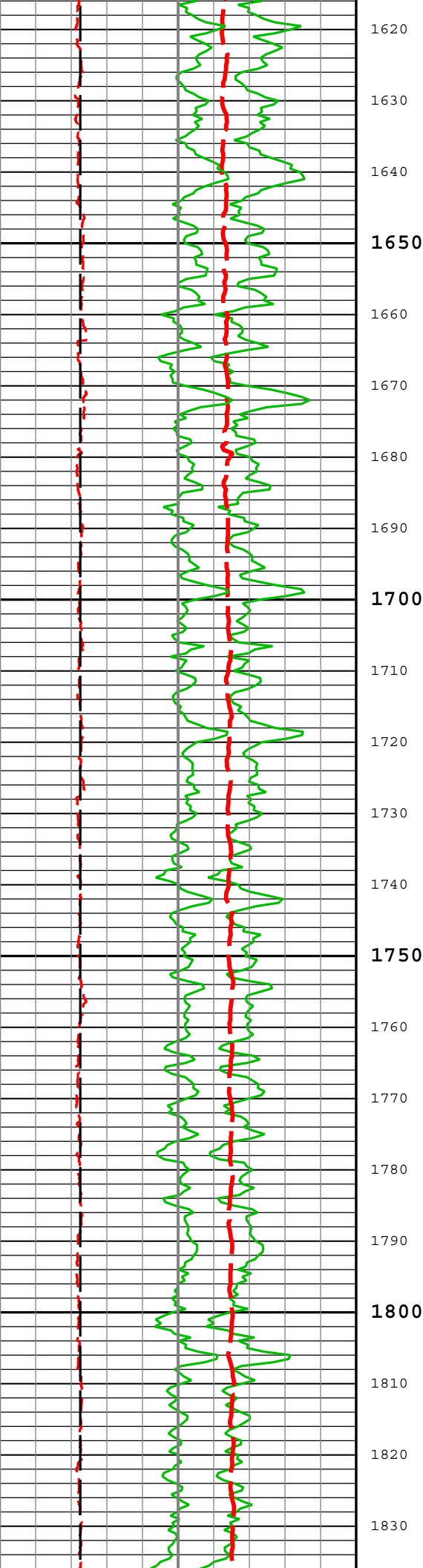


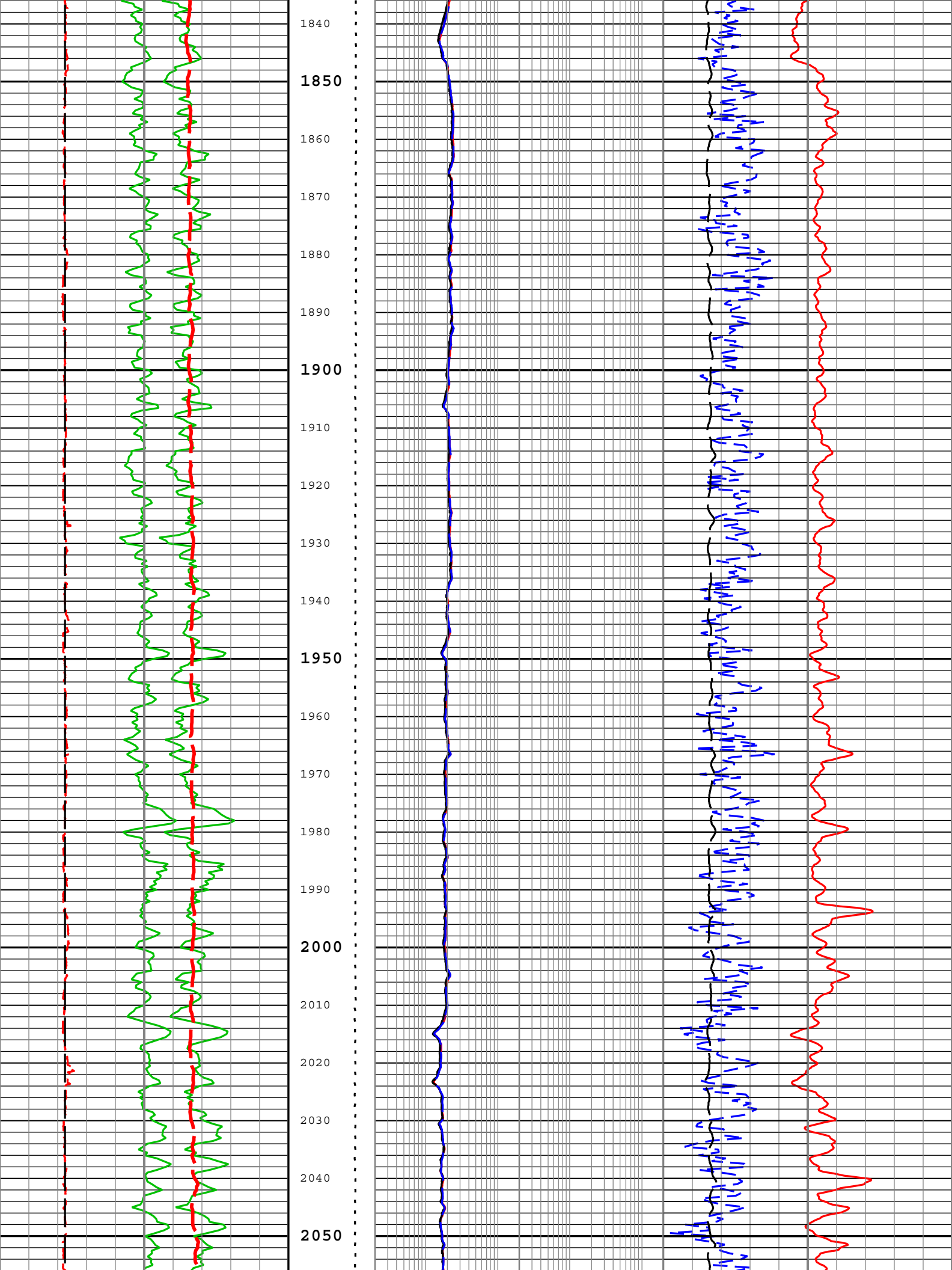


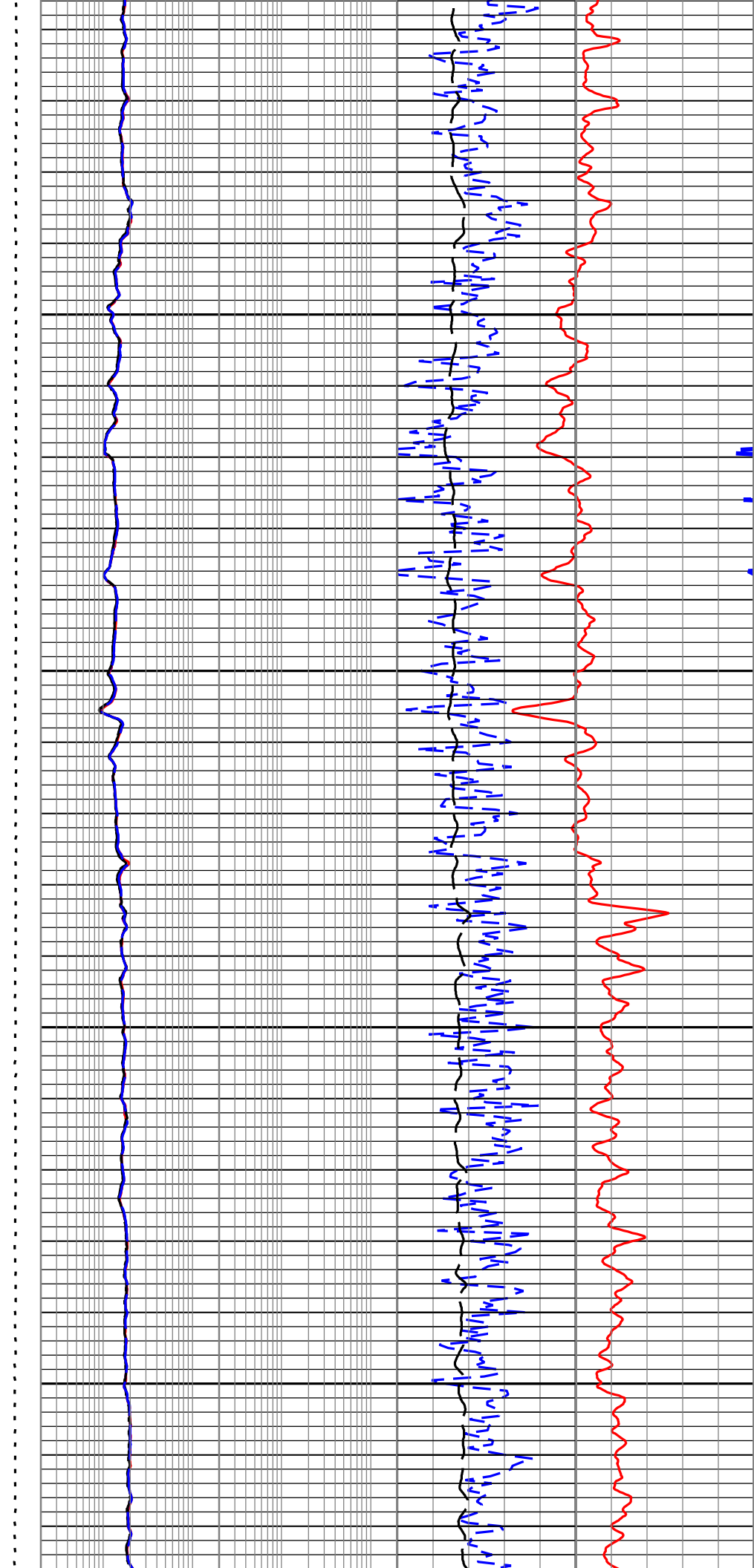
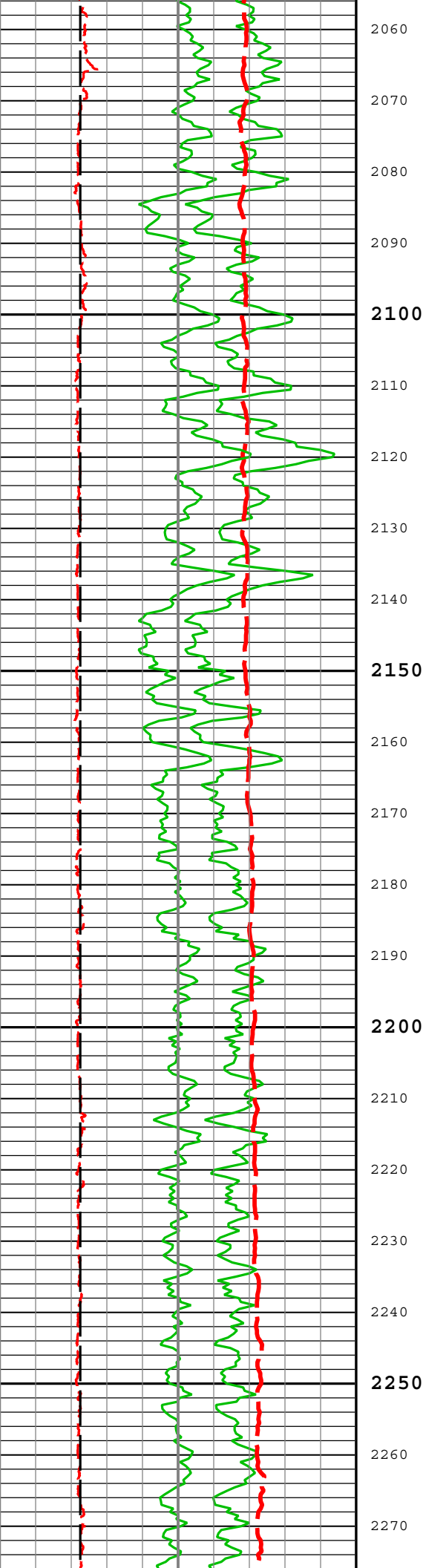


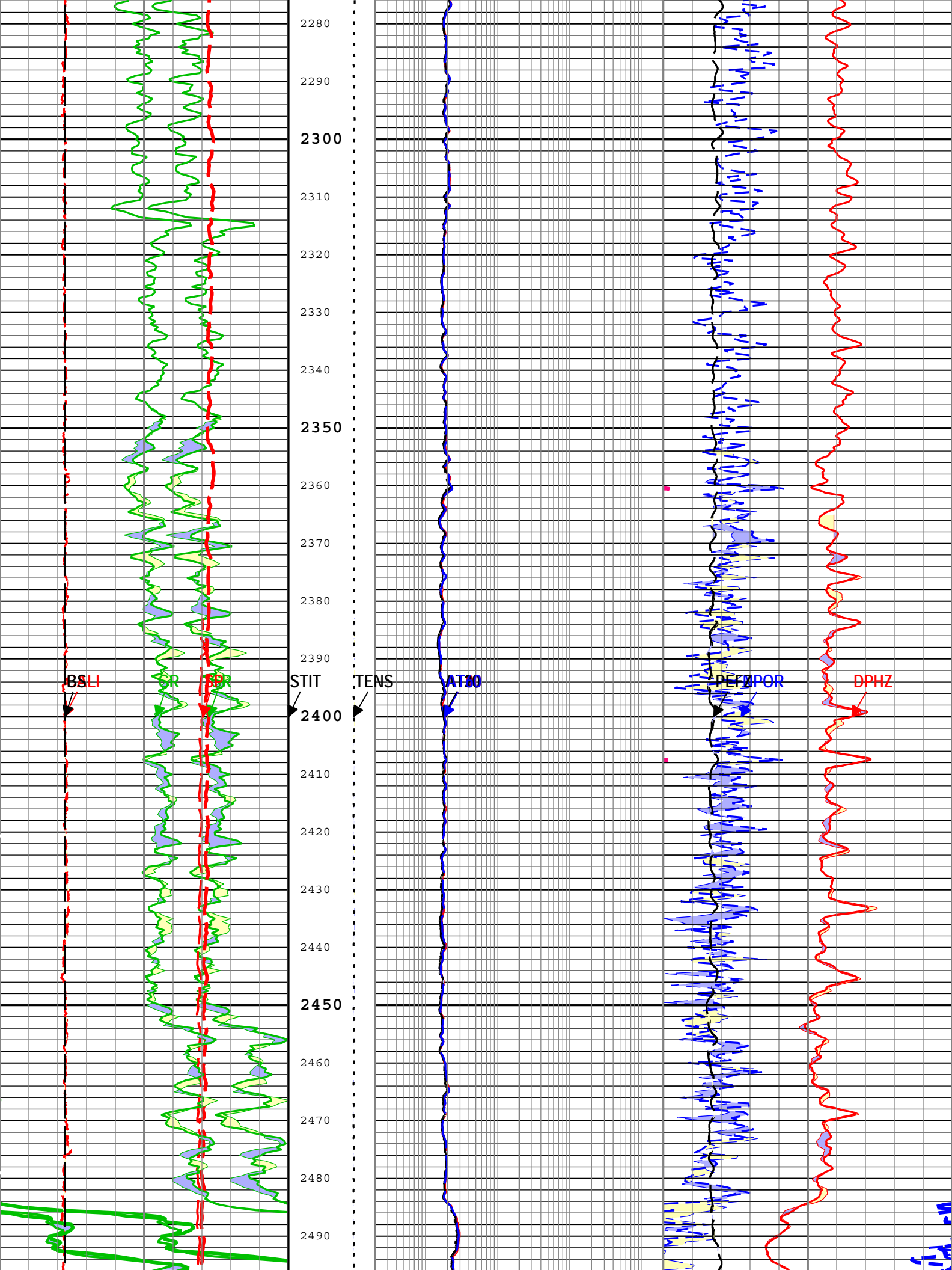


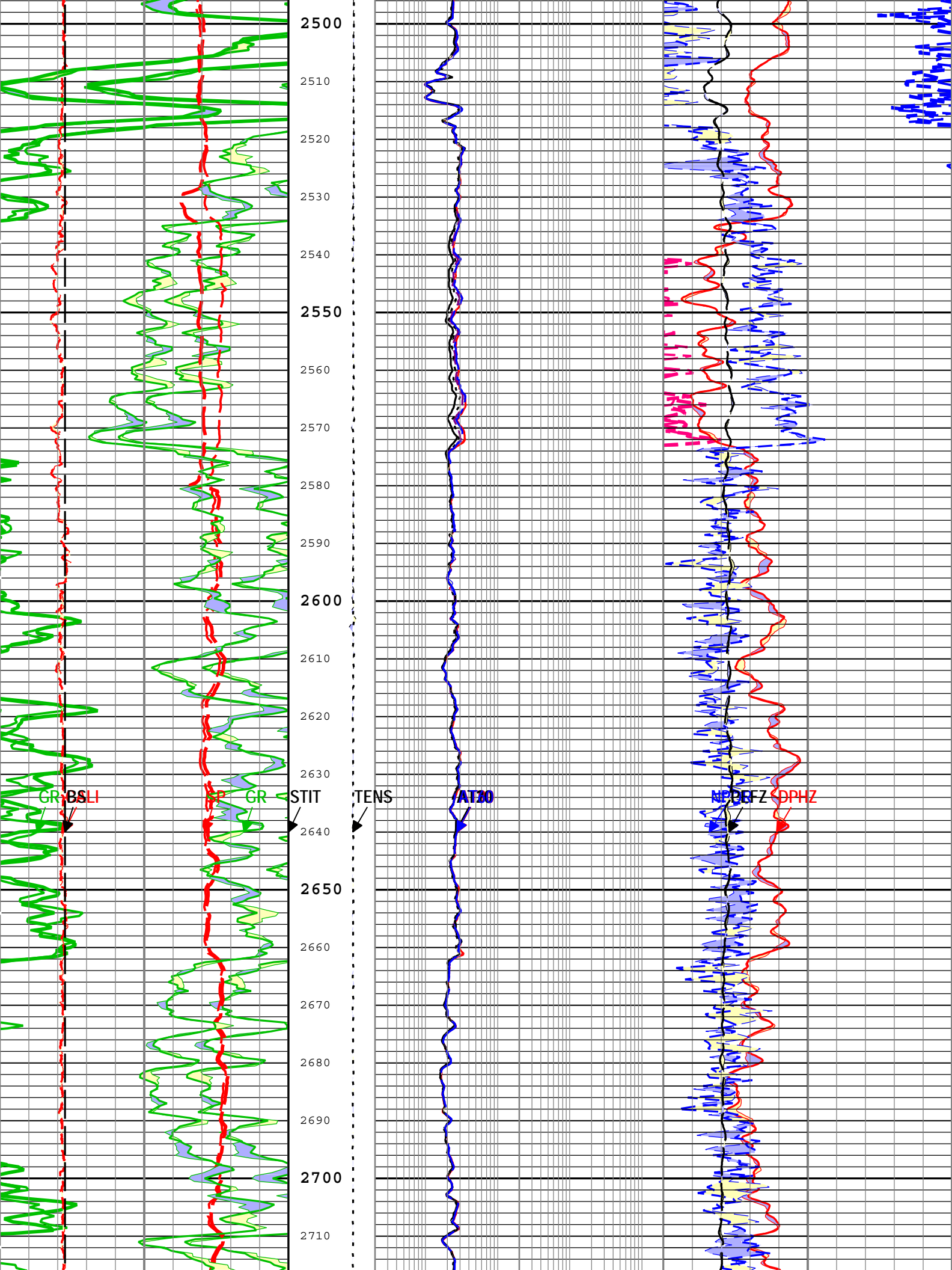


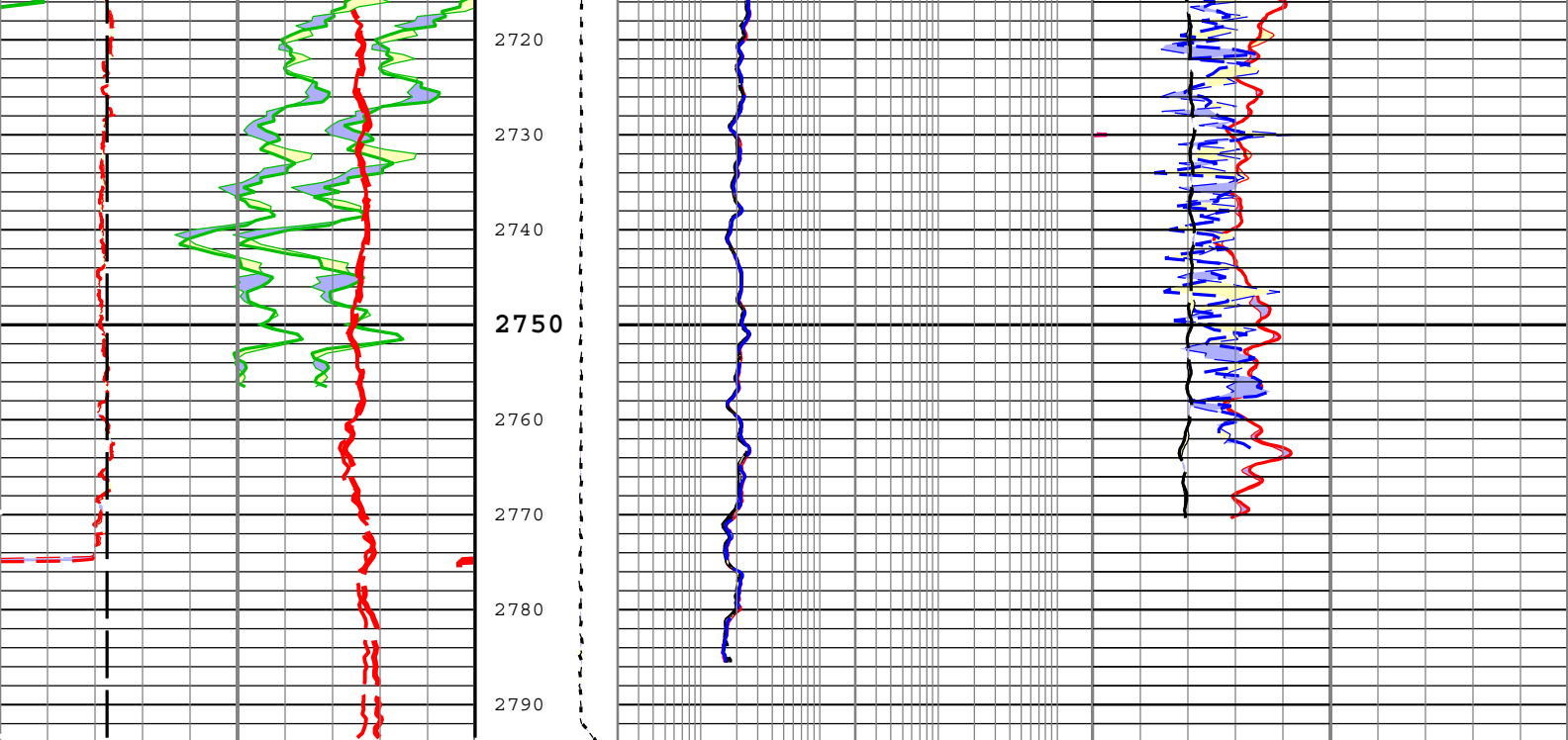












Main To Repeat	Main To Repeat	Main To Repeat	Main To Repeat
Repeat To Main	Repeat To Main	Repeat To Main	Repeat To Main
Gamma Ray (GR) HGNS-H	Repeat To Main	Array Induction Two Foot Resistivity A90 (AT90) AIT-M	Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H
0gAPI150	Cable Tension (TENS)	0.2ohm.m2000	-0.1ft3/ft3-0.5
Main To Repeat	6000 lbf 0	Main To Repeat	Main To Repeat
Repeat To Main	Main To Repeat	Repeat To Main	Repeat To Main
Spontaneous Potential (SP) AIT-M	Repeat To Main	Array Induction Two Foot Resistivity A30 (AT30) AIT-M	Standard Resolution Density Porosity (DPHZ) HDRS-H
0mV200	Stuck Tool Indicator, Total (STIT)	0.2ohm.m2000	0.5ft3/ft30
Main To Repeat	0 ft 50	Main To Repeat	Main To Repeat
Repeat To Main		Repeat To Main	Repeat To Main
Gamma Ray (GR) HGNS-H		Array Induction Two Foot Resistivity A10 (AT10) AIT-M	Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H
200gAPI400		0.2ohm.m2000	0.5m3/m30
Main To Repeat		Main To Repeat	Main To Repeat
Repeat To Main		Repeat To Main	Repeat To Main
Caliper (CALI) HDRS-H		Array Induction Two Foot Resistivity A20 (AT20) AIT-M	Standard Resolution Formation Photoelectric Factor (PEFZ) HDRS-H
4in14		0.2ohm.m2000	010
Main To Repeat		Main To Repeat	
Repeat To Main		Repeat To Main	
Gamma Ray (GR) HGNS-H		Array Induction Two Foot Resistivity A60 (AT60) AIT-M	
0gAPI200		0.2ohm.m2000	
Main To Repeat			
Repeat To Main			
Pit Size (PS)			

TIME_1900 - Time Marked every 60.00 (s)

Description: HGNS standard resolution porosities for Platform Express Format: Log (EMD 5in Triple Combo RA) Index Scale: 5 in per 100 ft Index Unit: ft
Index Type: Measured Depth Creation Date: 19-Nov-2014 02:15:11

Calibration Report

AIT-M (Array Induction Tool - M) Calibration - Run 1

Primary Equipment :			
File code for AIT-MA Sonde Tool Element	AMIS	50	
Auxiliary Equipment :			
File code for AIT Bottom Nose Tool Element	AMRM	50	

AIT Sonde Calibration - Test Loop Gain

Master (EEPROM):		12:18:07 04-Sep-2014					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Test Loop Gain - 0		Master	1.000	0.950	1.014	1.050	
Test Loop Phase - 0	deg	Master	0	-3.000	0.539	3.000	
Test Loop Gain - 1		Master	1.000	0.950	1.014	1.050	
Test Loop Phase - 1	deg	Master	0	-3.000	0.663	3.000	
Test Loop Gain - 2		Master	1.000	0.950	1.022	1.050	
Test Loop Phase - 2	deg	Master	0	-3.000	0.148	3.000	
Test Loop Gain - 3		Master	1.000	0.950	1.014	1.050	
Test Loop Phase - 3	deg	Master	0	-3.000	0.172	3.000	
Test Loop Gain - 4		Master	1.000	0.950	0.996	1.050	
Test Loop Phase - 4	deg	Master	0	-3.000	0.160	3.000	
Test Loop Gain - 5		Master	1.000	0.950	0.987	1.050	
Test Loop Phase - 5	deg	Master	0	-3.000	-0.133	3.000	
Test Loop Gain - 6		Master	1.000	0.950	0.998	1.050	
Test Loop Phase - 6	deg	Master	0	-3.000	0.192	3.000	
Test Loop Gain - 7		Master	1.000	0.950	1.007	1.050	
Test Loop Phase - 7	deg	Master	0	-3.000	-0.097	3.000	

AIT Sonde Calibration - Sonde Error Correction

Master (EEPROM):		12:18:07 04-Sep-2014					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Sonde Error Correction Real - 0	mS/m	Master	----	-231.000	-109.513	119.000	
Sonde Error Correction Quad - 0		Master	----	-2250.000	-462.503	2250.000	
Sonde Error Correction Real - 1	mS/m	Master	----	114.000	159.810	204.000	
Sonde Error Correction Quad - 1		Master	----	-625.000	-127.134	625.000	
Sonde Error Correction Real - 2	mS/m	Master	----	66.000	114.073	156.000	
Sonde Error Correction Quad - 2		Master	----	-350.000	102.792	350.000	
Sonde Error Correction Real - 3	mS/m	Master	----	39.000	68.619	89.000	
Sonde Error Correction Quad - 3		Master	----	-250.000	-156.455	250.000	
Sonde Error Correction Real - 4	mS/m	Master	----	15.000	24.694	35.000	
Sonde Error Correction Quad - 4		Master	----	-63.000	3.677	63.000	
Sonde Error Correction Real - 5	mS/m	Master	----	4.000	15.085	24.000	
Sonde Error Correction Quad - 5		Master	----	-50.000	-26.597	50.000	
Sonde Error Correction Real - 6	mS/m	Master	----	5.000	10.310	15.000	
Sonde Error Correction Quad - 6		Master	----	-30.000	-5.646	30.000	
Sonde Error Correction Real - 7	mS/m	Master	----	-5.000	-1.623	5.000	
Sonde Error Correction Quad - 7		Master	----	-30.000	-4.661	30.000	

AIT Mud Calibration - Mud Calibration Gain

Master (EEPROM):		12:18:07 04-Sep-2014					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Coarse Gain		Master	1.000	0.800	0.831	1.200	
Fine Gain		Master	1.000	0.800	0.833	1.200	

AIT Electronics Check - Thru Calibration Check

Master (EEPROM):		12:18:07 04-Sep-2014		Before (Measured):		13:29:13 18-Nov-2014	
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Thru Cal Mag - 0	V	Master	----	0.366	0.603	0.854	
		Before	----	0.366	0.603	0.854	
		Before Master			0.000		

		Before-Master	----		0.000		
Thru Cal Phase - 0	deg	Master	----	137.000	-165.073	-103.000	
		Before	----	137.000	-164.117	-103.000	
		Before-Master	----	----	0.956	----	
Thru Cal Mag - 1	V	Master	----	0.762	1.237	1.778	
		Before	----	0.762	1.236	1.778	
		Before-Master	----	----	-0.001	----	
Thru Cal Phase - 1	deg	Master	----	136.000	-166.020	-104.000	
		Before	----	136.000	-165.062	-104.000	
		Before-Master	----	----	0.958	----	
Thru Cal Mag - 2	V	Master	----	0.372	0.613	0.868	
		Before	----	0.372	0.613	0.868	
		Before-Master	----	----	0.000	----	
Thru Cal Phase - 2	deg	Master	----	132.000	-169.506	-108.000	
		Before	----	132.000	-168.553	-108.000	
		Before-Master	----	----	0.953	----	
Thru Cal Mag - 3	V	Master	----	0.420	0.691	0.980	
		Before	----	0.420	0.691	0.980	
		Before-Master	----	----	0.000	----	
Thru Cal Phase - 3	deg	Master	----	131.000	-170.241	-109.000	
		Before	----	131.000	-169.288	-109.000	
		Before-Master	----	----	0.953	----	
Thru Cal Mag - 4	V	Master	----	0.804	1.297	1.876	
		Before	----	0.804	1.296	1.876	
		Before-Master	----	----	-0.001	----	
Thru Cal Phase - 4	deg	Master	----	125.000	-176.203	-115.000	
		Before	----	125.000	-175.244	-115.000	
		Before-Master	----	----	0.959	----	
Thru Cal Mag - 5	V	Master	----	1.176	1.887	2.744	
		Before	----	1.176	1.886	2.744	
		Before-Master	----	----	-0.001	----	
Thru Cal Phase - 5	deg	Master	----	122.000	-177.732	-118.000	
		Before	----	122.000	-176.767	-118.000	
		Before-Master	----	----	0.965	----	
Thru Cal Mag - 6	V	Master	----	1.176	1.886	2.744	
		Before	----	1.176	1.885	2.744	
		Before-Master	----	----	-0.001	----	
Thru Cal Phase - 6	deg	Master	----	121.000	-177.711	-119.000	
		Before	----	121.000	-176.745	-119.000	
		Before-Master	----	----	0.966	----	
Thru Cal Mag - 7	V	Master	----	0.846	1.357	1.974	
		Before	----	0.846	1.357	1.974	
		Before-Master	----	----	0.000	----	
Thru Cal Phase - 7	deg	Master	----	115.000	-178.471	-125.000	
		Before	----	115.000	-177.485	-125.000	
		Before-Master	----	----	0.986	----	
SPA Zero	mV	Master		-50.000	0.156	50.000	
		Before		-50.000	0.132	50.000	
		Before-Master	----	----	-0.024	----	
SPA Plus	mV	Master		941.000	987.998	1040.000	
		Before		941.000	987.881	1040.000	
		Before-Master	----	----	-0.117	----	
Temperature Zero	V	Master		-0.050	0.000	0.050	
		Before		-0.050	0.000	0.050	
		Before-Master	----	----	0.000	----	
Temperature Plus	V	Master		0.870	0.915	0.960	
		Before		0.870	0.915	0.960	
		Before-Master	----	----	0.000	----	

HDRS-H (HILT Density and Rxo Sonde, 150 degC) Calibration - Run 1			
Primary Equipment :			
HILT High-Resolution Control Cartridge, 150 degC		HRCC-H	3828
HILT Resistivity Gamma-Ray Density Device, 150 degC		HRGD-H	3933
Auxiliary Equipment :			
HRDD Backscatter Detector		Backscatter	

HRDD Long Spacing Detector	Long Spacing	28736
HRDD Short Spacing Detector	Short Spacing	
Cesium 137 Gamma-Ray Logging Source	GSR-J	5094
HILT High-Resolution Control Cartridge, 150 degC	HRCC-H	3828
HILT High-Resolution Mechanical Sonde, 150 degC	HRMS-H	

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):		13:36:07 18-Nov-2014					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Small Ring	in	Before	8.00	6.00	7.61	10.00	
Large Ring	in	Before	12.00	9.00	11.81	15.00	

HDRS Density Calibration - Inversion Results

Master (EEPROM):		15:21:00 21-Oct-2014					
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	1.689	1.696	
Pe Aluminum		Master	2.570	2.470	2.582	2.670	
Pe Magnesium		Master	2.650	2.550	2.589	2.750	

HDRS Density Calibration - Deviation Summary

Master (EEPROM):		15:21:00 21-Oct-2014					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
BS Average Deviation	%	Master	0	-0.6000	0.3325	0.6000	
BS Max Deviation	%	Master	0	-1.6000	0.9257	1.6000	
SS Average Deviation	%	Master	0	-1.0000	0.3008	1.0000	
SS Max Deviation	%	Master	0	-2.5000	0.9629	2.5000	
LS Average Deviation	%	Master	0	-1.5000	0.9542	1.5000	
LS Max Deviation	%	Master	0	-3.5000	2.5936	3.5000	

HDRS Density Calibration - Background Summary

Master (EEPROM):		15:21:00 21-Oct-2014		Before (Measured):		13:33:10 18-Nov-2014	
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
BS Window Ratio		Master	1.0000		0.7486		
		Before	0.7486	0.7111	0.7511	0.7860	
		Before-Master	-----	-----	0.0025	-----	
BS Window Sum	1/s	Master	1		23350		
		Before	23350	22183	23329	24518	
		Before-Master	-----	-----	-21	-----	
SS Window Ratio		Master	1.0000		0.4883		
		Before	0.4883	0.4639	0.4881	0.5127	
		Before-Master	-----	-----	-0.0002	-----	
SS Window Sum	1/s	Master	1		10931		
		Before	10931	10384	10905	11477	
		Before-Master	-----	-----	-26	-----	
LS Window Ratio		Master	1.0000		0.3000		
		Before	0.3000	0.2850	0.3019	0.3150	
		Before-Master	-----	-----	0.0019	-----	
LS Window Sum	1/s	Master	1		1194		
		Before	1194	1134	1190	1253	
		Before-Master	-----	-----	-4	-----	

HDRS Density Calibration - Photo-multiplier High Voltages

Master (EEPROM):		15:21:00 21-Oct-2014		Before (Measured):		13:33:10 18-Nov-2014	
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
BS PM High Voltage	V	Master		1000	1613	2400	
		Before		1000	1612	2400	
		Before-Master	-----	-100	-1	100	
SS PM High Voltage	V	Master		1000	1489	2400	
		Before		1000	1512	2400	
		Before-Master	-----	-100	23	100	
LS PM High Voltage	V	Master		1000	1276	2400	
		Before		1000	1290	2400	

		Before-Master	-----	-100	14	100	
--	--	---------------	-------	------	----	-----	--

HDRS Density Calibration - Crystal Quality Resolutions

Master (EEPROM):		15:21:00 21-Oct-2014		Before (Measured):		13:33:10 18-Nov-2014	
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
BS Crystal Resolution	%	Master		5.00	10.77	25.00	
		Before		5.00	10.77	25.00	
		Before-Master	-----	-1.00	0.00	1.00	
SS Crystal Resolution	%	Master		5.00	9.68	20.00	
		Before		5.00	10.01	20.00	
		Before-Master	-----	-1.00	0.33	1.00	
LS Crystal Resolution	%	Master		5.00	8.06	20.00	
		Before		5.00	8.09	20.00	
		Before-Master	-----	-1.00	0.03	1.00	

HDRS MCFL Calibration - MCFL Accumulations

Before (Measured):		13:34:56 18-Nov-2014					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Main Resistivity	ohm.m	Before	3875	3565	3874	4185	
Deep Resistivity	ohm.m	Before	3830	3524	3813	4136	
Shallow Resistivity	ohm.m	Before	3830	3524	3820	4136	

HGNS-H (HILT Gamma-Ray and Neutron Sonde, 150 degC) Calibration - Run 1

Primary Equipment :			
HILT Gamma-Ray and Neutron Sonde, 150 degC		HGNS-H	
Auxiliary Equipment :			
HGNS Accelerometer, 150 degC		HACCZ-H	3616
AmBe Neutron Logging Source		NSR-F	5068
Calibration Parameter :			
Water Temperature			
Housing Size			
JIG-BKG (Jig minus background reference)		165	

HGNS Accelerometer Calibration - Accelerometer Accumulations

Before:							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
AZ Vertical Measurement - 0	ft/s2	Before	-----	-----	-----	-----	

HGNS Accelerometer EEPROM - Accelerometer EEPROM Read

Master (Manual Entry):		00:00:00 15-Feb-2005					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Accelerometer Manufacturer		Master			QAT_160		
Accelerometer Reference Temperature	degF	Master		30.2	77.0	122.0	
Accelerometer Coefficients - 0		Master	-----	-----	-2323.000	-----	
Accelerometer Coefficients - 1		Master	-----	-----	2.895	-----	
Accelerometer Coefficients - 2		Master	-----	-----	0.001	-----	
Accelerometer Coefficients - 3		Master	-----	-----	0.000	-----	
Accelerometer Coefficients - 4		Master	-----	-----	2.764	-----	
Accelerometer Coefficients - 5		Master	-----	-----	0.000	-----	
Accelerometer Coefficients - 6		Master	-----	-----	0.000	-----	
Accelerometer Coefficients - 7		Master	-----	-----	0.000	-----	
Accelerometer Coefficients - 8		Master	-----	-----	298.500	-----	
Accelerometer Coefficients - 9		Master	-----	-----	1.009	-----	

HGNS Neutron Calibration - HGNS Neutron Accumulations

Master (Manual Entry):		11:12:08 15-Sep-2014		Before (Measured):		13:29:08 18-Nov-2014	
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Near Zero Measurement - 0	1/s	Master	-----	-----	-----	-----	
		Before	0	5.0	28.1	40.0	
		Before-Master	-----	-----	-----	-----	
Far Zero Measurement - 0	1/s	Master	-----	-----	-----	-----	
		Before	0	5.0	27.3	40.0	
		Before-Master	-----	-----	-----	-----	

Near Plus Measurement - 0	1/s	Master Before Before-Master	----- ----- -----	----- ----- -----	----- ----- -----	----- ----- -----	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Far Plus Measurement - 0	1/s	Master Before Before-Master	----- ----- -----	----- ----- -----	----- ----- -----	----- ----- -----	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Near Corrected Plus Measurement	1/s	Master Before Before-Master	----- ----- -----	4700.0 ----- -----	5351.0 ----- -----	6900.0 ----- -----	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>
Far Corrected Plus Measurement	1/s	Master Before Before-Master	----- ----- -----	1900.0 ----- -----	2289.0 ----- -----	2900.0 ----- -----	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>

HGNS Gamma-Ray Calibration - Gamma-Ray Accumulations							
Before (Measured):		13:41:46 18-Nov-2014					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>
RGR Zero Measurement	gAPI	Before	30.0	0	81.0	120.0	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>
RGR Plus Measurement	gAPI	Before	185.4	157.1	177.2	206.3	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>
GR Calibration Gain		Before	0.89	0.80	0.93	1.05	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>

Company:	Omimex Petroleum Inc	Schlumberger
Well:	Kennedy State 11 36 7 45	
Field:	Holyoke South	
County:	Phillip	
Country:	USA	
Platform Express		
Triple Combo		
Linear		