

Company: Ominex Petroleum Inc

Well: Denney State 5-36-7-45

Field: Holyoke South

County: Phillips State: Colorado

Platform Express			
Triple Combo			
Linear			
County: Phillips		Field: Holyoke South	
Location: SWNW Sec. 36, T7N, R45W		Elev.: K.B. 3783.00 ft	
Well: Denney State 5-36-7-45		SHL: 2502' FNL & 513" FWL	
Company: Ominex Petroleum Inc		Lat/Long: 40.535140/-102.338550	
Location:		Elev.: G.L. 3777.00 ft	
Permanent Datum:		D.F. 3782.00 ft	
Log Measured From:		Ground Level	
Drilling Measured From:		Kelly Bushing	
API Serial No.		Kelly Bushing	
05-095-06279-0000		6.00 ft	
Section: 36		above Perm.Datum	
Township: 7N		Range: 45W	

Logging Date	06-Dec-2014				
Run Number	Run 1				
Depth Driller	2761.00 ft				
Schlumberger Depth	2764.00 ft				
Bottom Log Interval	2764.00 ft				
Top Log Interval	498.00 ft				
Casing Driller Size @ Depth	7 in @ 495.00 ft				
Casing Schlumberger	495 ft				
Bit Size	6.25 in				
Type Fluid In Hole	Water				
D M M	Density	8.9 lbm/gal	29 s		
	Fluid Loss	4 cm3	8		
	Source of Sample				
RM @ Meas Temp	0.2 ohm.m @ 93.2 degF				
RMF @ Meas Temp	0.15 ohm.m @ 75 degF				
RMC @ Meas Temp	0.25 ohm.m @ 75 degF				
Source RMF	RMC	Calculated	Calculated		
RM @ BHT	RMF @ BHT	0.17 @ 112.19	0.1 @ 112.19		
Max Recorded Temperatures					
Circulation Stopped		Time			
Logger on Bottom		Time			
Unit Number	Location:	06-Dec-2014	13:35:00		
Recorded By		2135	Fort Morgan, CO		
Witnessed By		Keri Ondrus			
		Paul Dekaye			

Disclaimer

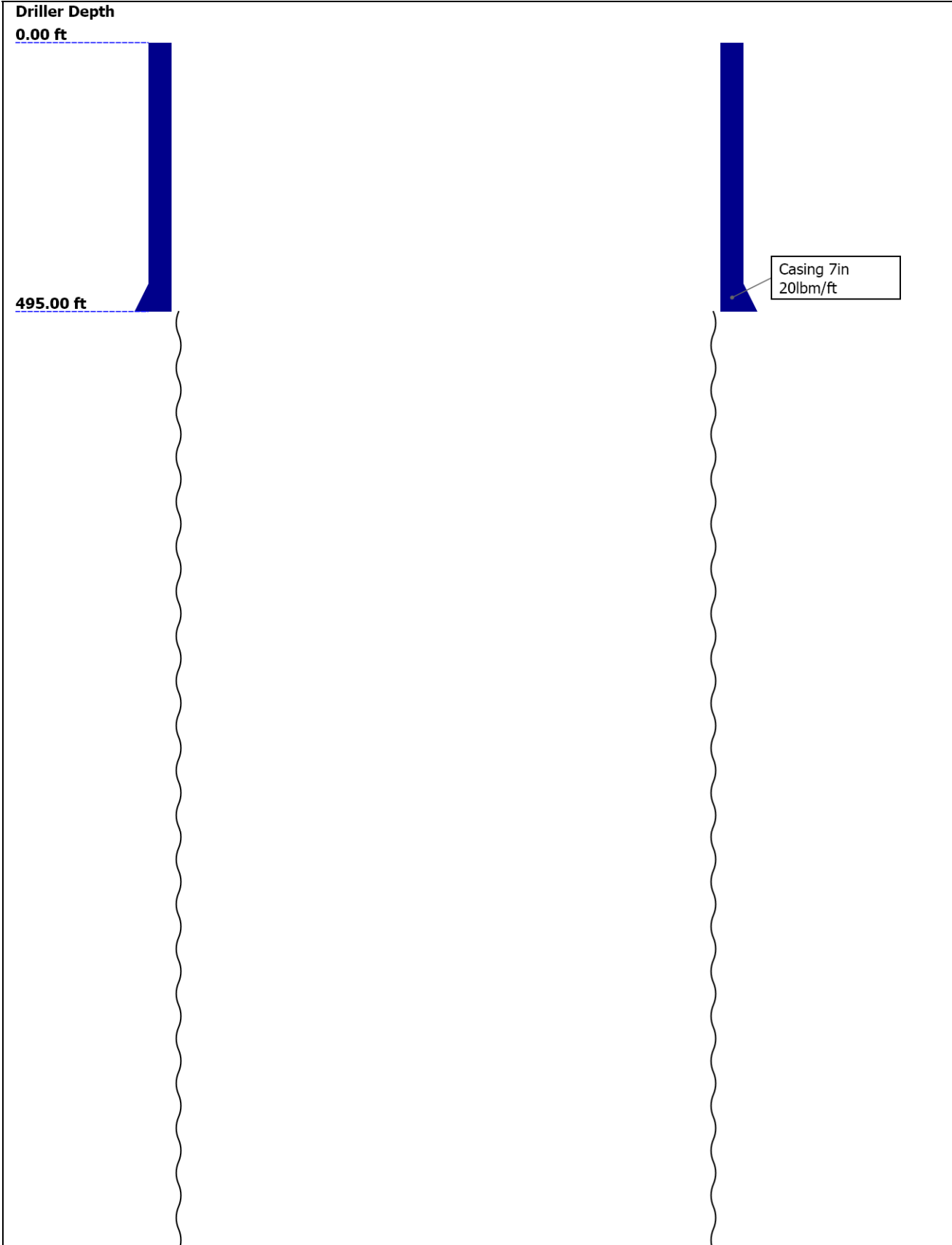
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Well Sketch





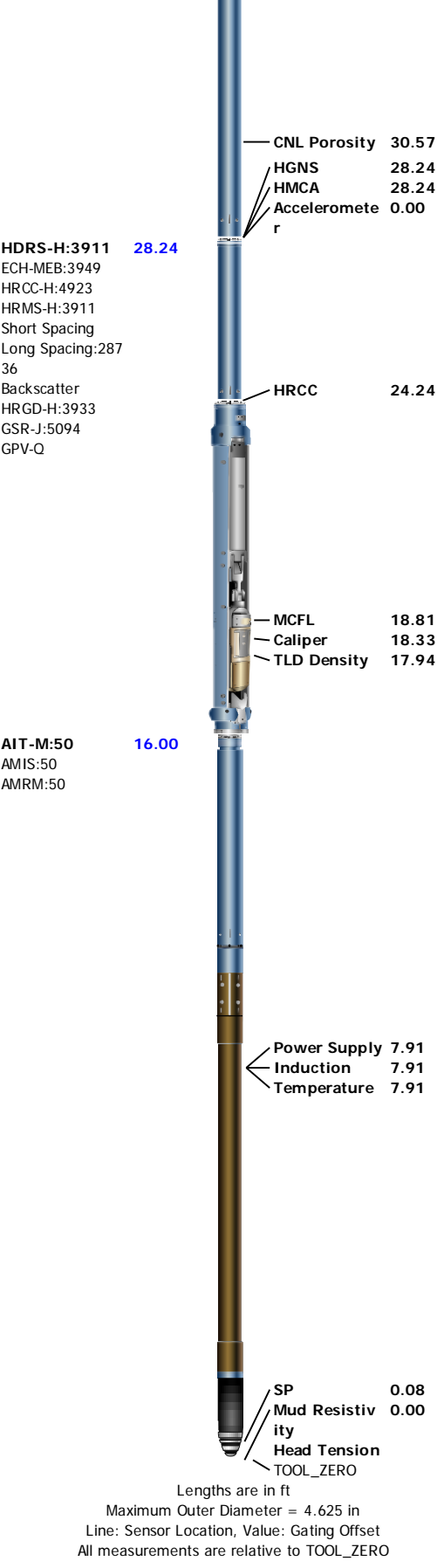
Borehole Size/Casing/Tubing Record

Bit						
Bit Size (in)	6.25					
Top Driller (ft)	495					
Top Logger (ft)	498					
Bottom Driller (ft)	2761					
Bottom Logger (ft)	2764					
Casing						
Size (in)	7					
Weight (lbm/ft)	20					
Inner Diameter (in)	6.456					
Grade	J55					
Top Driller (ft)	0					
Top Logger (ft)	0					
Bottom Driller (ft)	495					
Bottom Logger (ft)	495					

Operational Run Summary

Parameter (unit)	Run 1					
Date Log Started	06-Dec-2014					
Time Log Started	12:38:48					
Date Log Finished	06-Dec-2014					
Time Log Finished	14:18:42					
Top Log Interval (ft)	498.00					
Bottom Log Interval (ft)	2764.00					
Total Depth (ft)	2764.00					
Max Hole Deviation (deg)	1.28					
Azimuth of Max Deviation (deg)	176.64					
Bit Size (in)	6.250					
Logging Unit Number	2135					
Logging Unit Location	Fort Morgan, CO					
Recorded By	Keri Ondrus					
Witnessed By	Paul Dekaye					
Service Order Number	BX19-00199					

Service Order Number		DX15-00155					
Borehole Fluids							
Parameter(unit)	Run 1						
Fluid Type	Water						
Max Recorded Temperatures (degF)	NaN						
Source of Sample	Flowline						
Salinity (ppm)	0						
Density (lbm/gal)	8.9						
Funnel Viscosity (s)	29						
Fluid Loss (cm3)	4						
PH	8						
Date/Time Circulation Stopped	NaN						
Date Logger on Bottom	06-Dec-2014						
Time Logger on Bottom	13:35:00						
Source RMF	Calculated						
RMC	Calculated						
RM @ Meas Temp (ohm.m@degF)	0.2 @ 93.2						
RMF @ Meas Temp (ohm.m@degF)	0.15 @ 75						
RMC @ Meas Temp (ohm.m@degF)	0.25 @ 75						
RM @ BHT (ohm.m@degF)	0.17 @ 112.19						
RMF @ BHT (ohm.m@degF)	0.1 @ 112.19						
RMC @ BHT (ohm.m@degF)	0.17 @ 112.19						
Total Solid (%)	4.3						
High Gravity Solids (%)							
Remarks and Equipment Summary							
Run 1: Toolstring		Run 1: Remarks					
Equip name	Length	MP name	Offset				
LEH-QT:2552	51.57						
LEH-QT:2552							
DTC-H:10530	48.65						
ECH-KC:9469		CTEM	47.75				
DTC-H:10530		HV	0.00				
		ToolStatus	45.65				
Adaptor_Head	45.65	TelStatus	45.65				
GPIT-F:770	41.65						
GPIH-B							
GPIC-F:770		GPIT-F Inclinator	40.23				
DHRU-F:799							
HGNS-H:4810	37.65	GPIT	0.00				
HGNH:3912		Temperature	37.62				
NSR-F:5215							
NPV-N		GR	36.91				
HMCA-H							
HAC CZ-H:5955							
HGNS-H:4810							



Depth Summary			
Run 1			
Depth Measuring Device			
Type	IDW-JA		
Serial Number	6433		
Calibration Date	23-Sep-2014		
Calibrator Serial Number			
Calibration Cable Type	7.46P XS		

Calibration Cable Type	-40P-XS		
Wheel Correction 1	-3		
Wheel Correction 2	-2		

Tension Device			
Type	CMTD-B/A		
Serial Number	1919		
Calibration Date	07-Nov-2014		
Calibrator Serial Number	441345A		
Number of Calibration Points	10		
Calibration Root Mean Square Error	13		
Calibration Peak Error	24		

Logging Cable			
Type	7-46P-XS		
Serial Number	U713066		
Length	17500.00 ft		
Conveyance Type	Wireline		
Rig Type	Land		

Run 1:Depth Control Parameters		Depth Control Remarks	
Log Sequence	First Log In the Well		
Rig Up Length At Surface			
Rig Up Length At Bottom			
Rig Up Length Correction			
Stretch Correction			
Tool Zero Check At Surface			

Run 1

5" Triple Combo

Software Version

Acquisition System	Version
MaxWell	4.0.9163.3000
Application Patch	Patch-SP-10767_18214-4.0.9163.3001
	Patch-Hotfix_Task_Tree_GDI_SP2-20806-4.0.9434.3002

Computation	Description	Version
Borehole	Borehole Ensemble provides common Borehole Parameters and Channels	4.0.9433.3000
HENVIR	Computation Ensemble for the HGNS Neutron environmental corrections	4.0.9469.3000
DepthCorrection	DepthCorrection	4.0.9433.3000

Tool Elements	Description	Software Version	Firmware Version
HRCC-H	HILT High-Resolution Control Cartridge, 150 degC	4.0.9575.3000	2.0
HGNS-H	HILT Gamma-Ray and Neutron Sonde, 150 degC	4.0.9575.3000	2.0
HRGD-H	HILT Resistivity Gamma-Ray Density Device, 150 degC	4.0.9575.3000	3.0
AMIS	Array Induction Sonde - M	4.0.9427.3000	1

Pass Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
Run 1	Main[5]:Up	Up	407.01 ft	2775.70 ft	06-Dec-2014 1:33:17 PM	06-Dec-2014 2:14:30 PM	ON	0.00 ft	Yes

All depths are referenced to toolstring zero

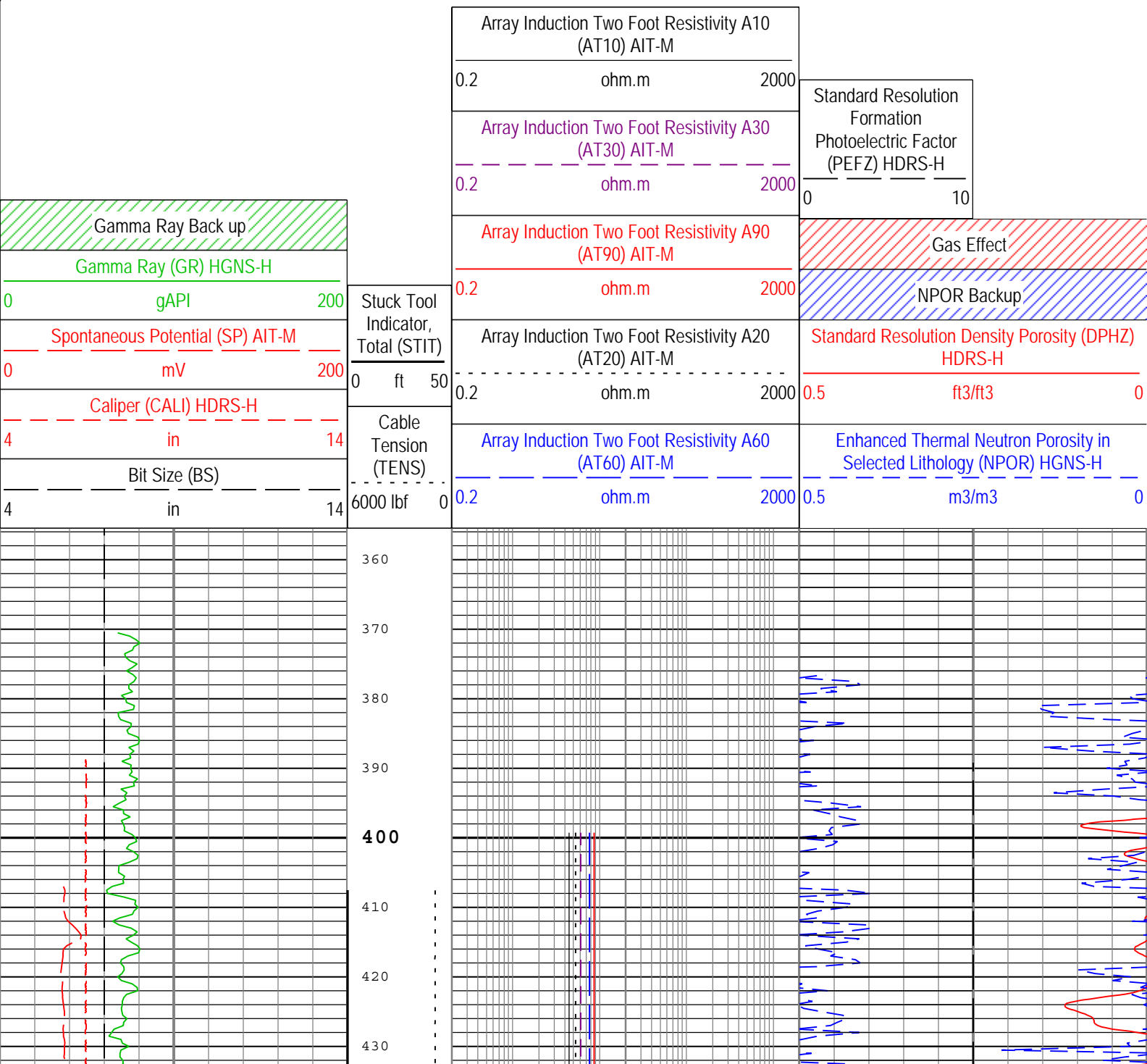
Log	Company:Omimex Petroleum Inc	Well:Denney State 5-36-7-45
	Run 1: Main[5]:Up:S004	

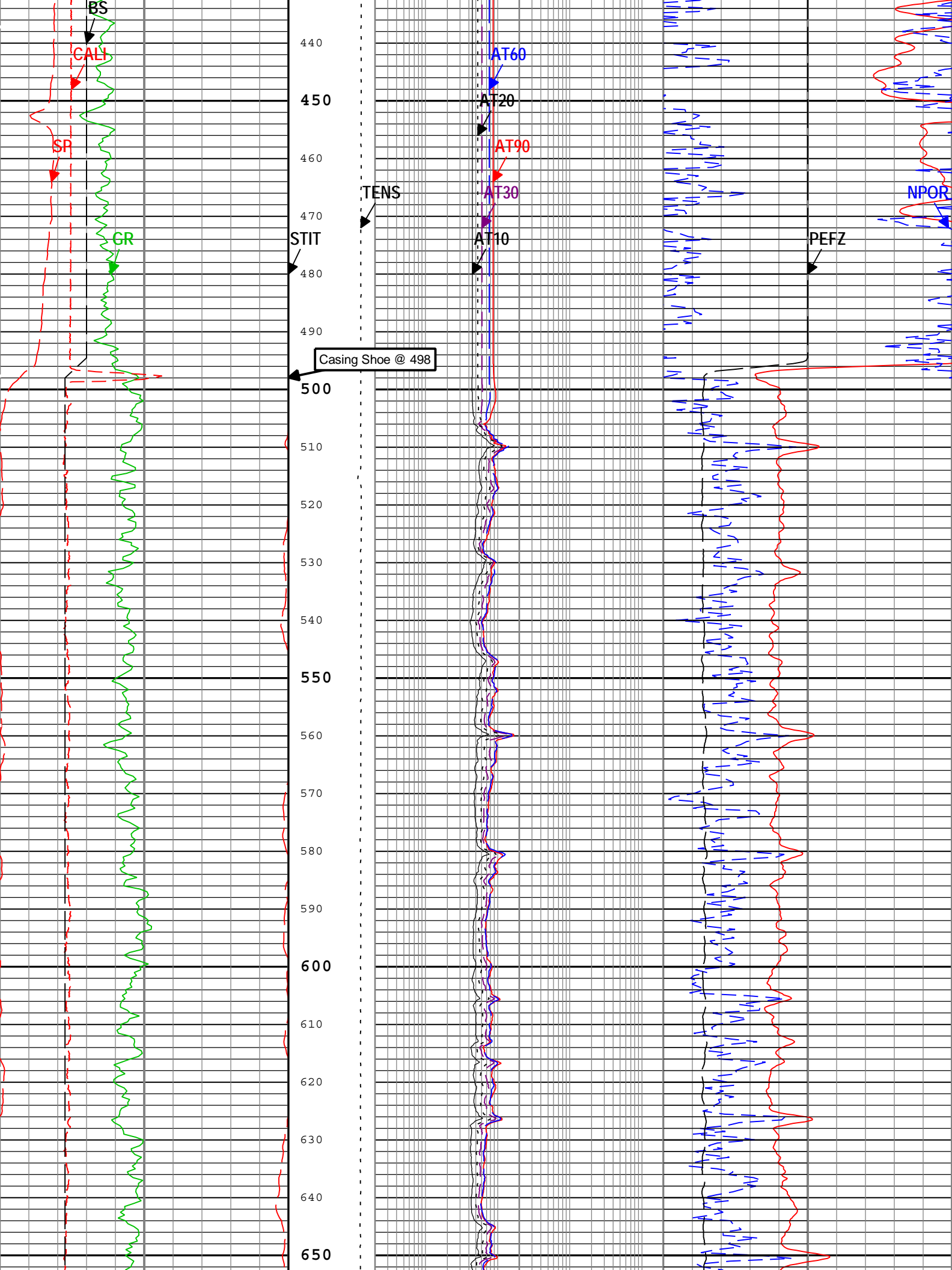
Description: HGNS standard resolution porosities for Platform Express Format: Log (EMD 5in Triple Combo) Index Scale: 5 in per 100 ft Index Unit: ft
Index Type: Measured Depth Creation Date: 06-Dec-2014 14:38:27

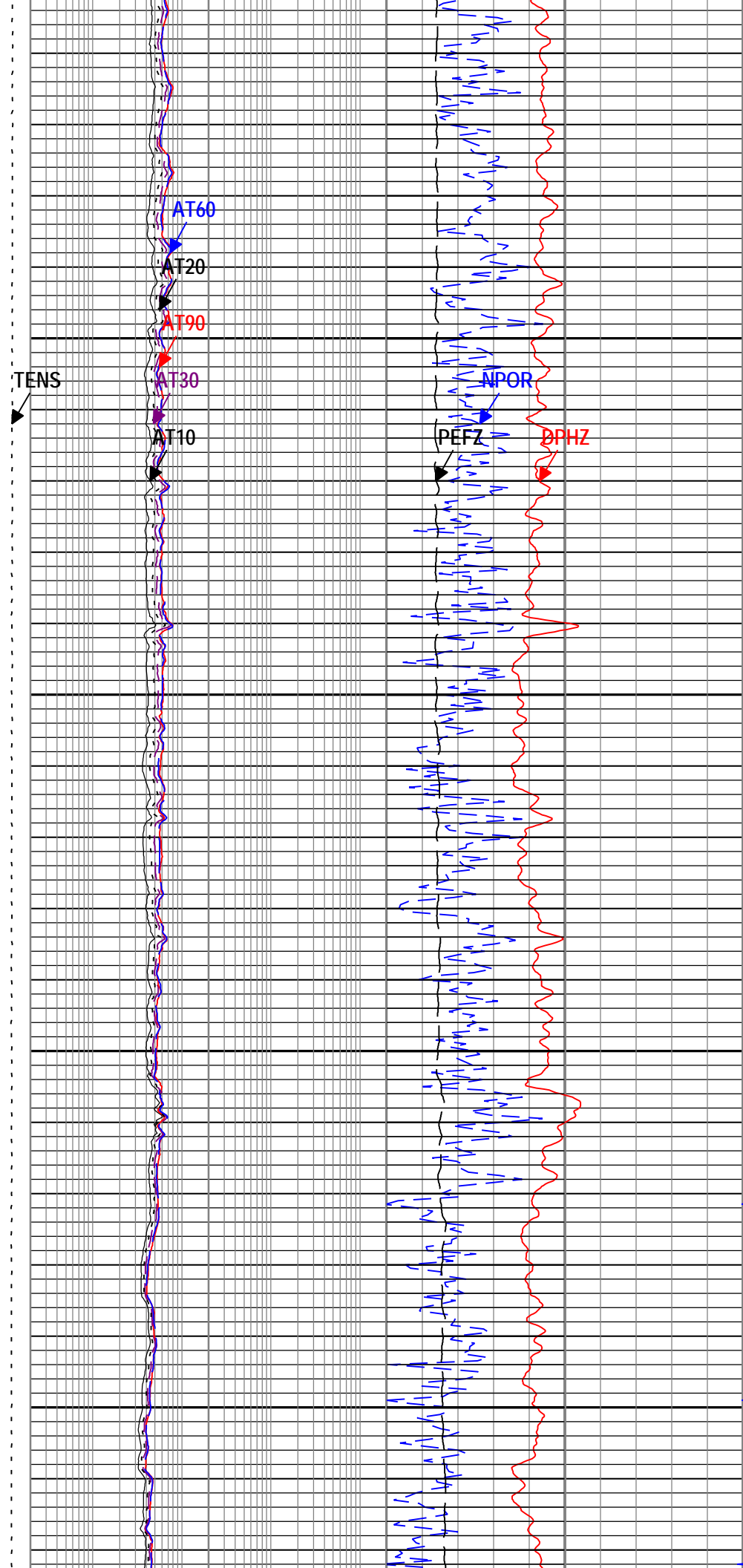
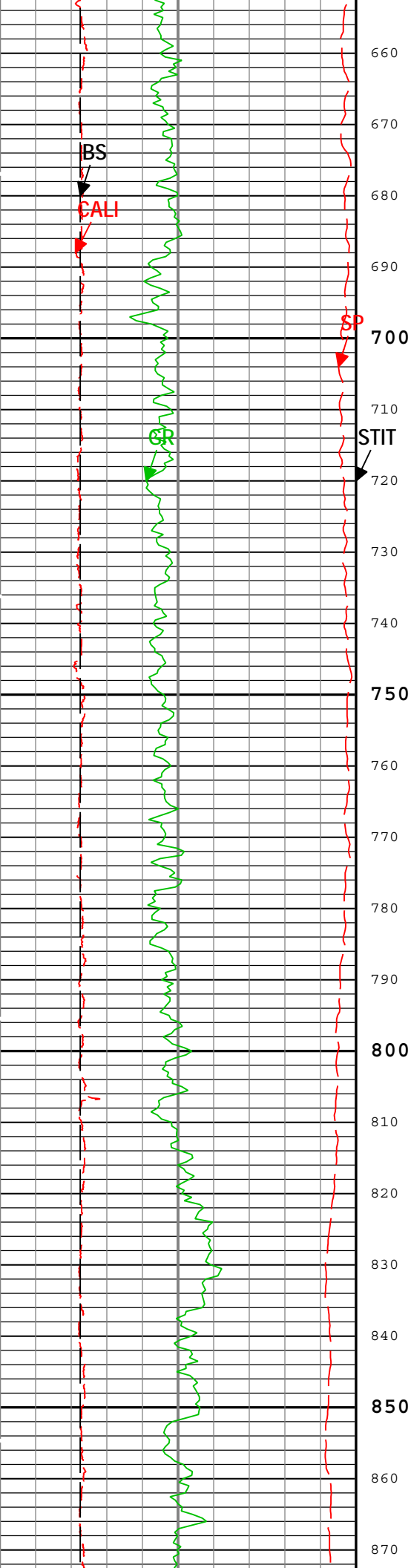
Channel	Source	Sampling
AT10	AIT-M:AMIS:AMIS	3in

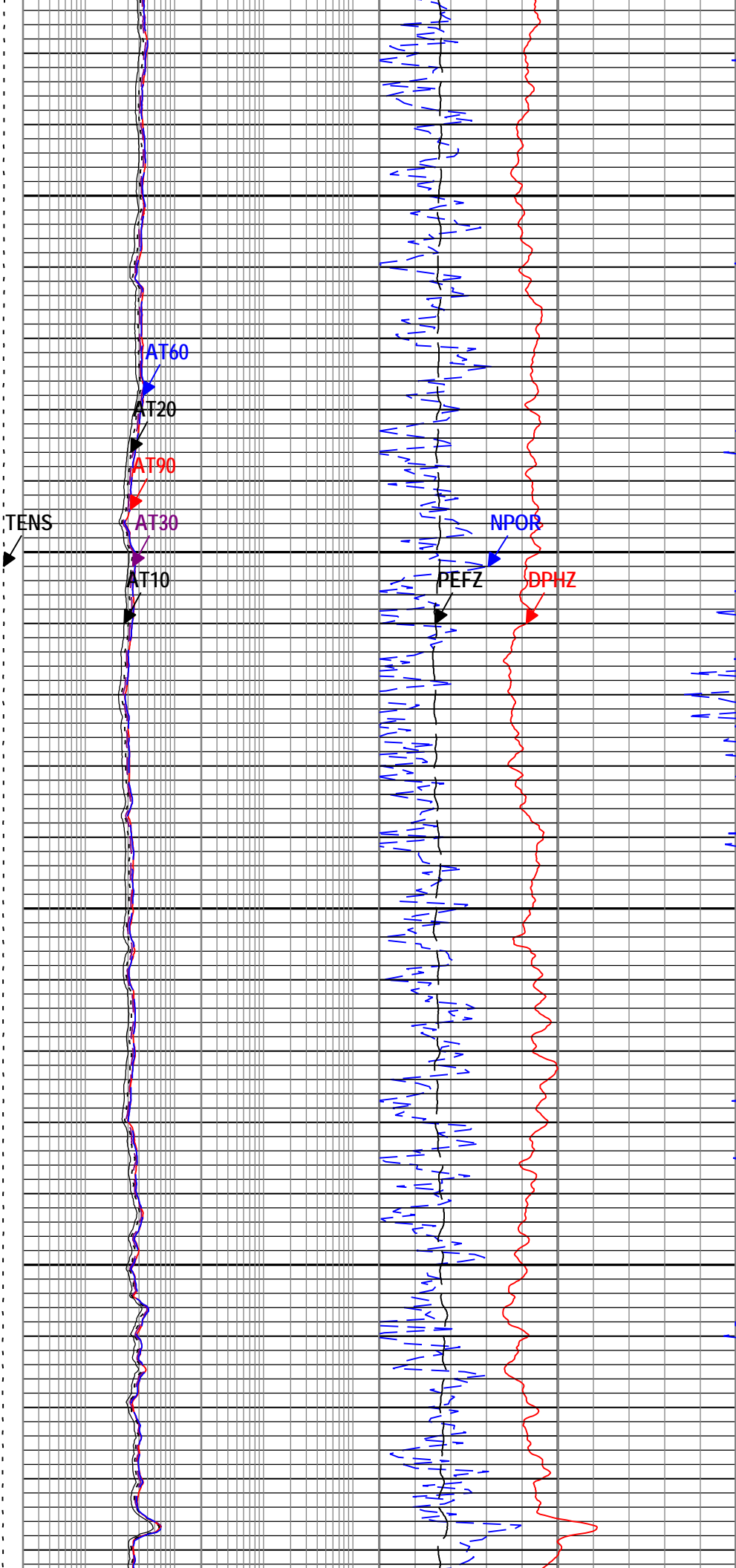
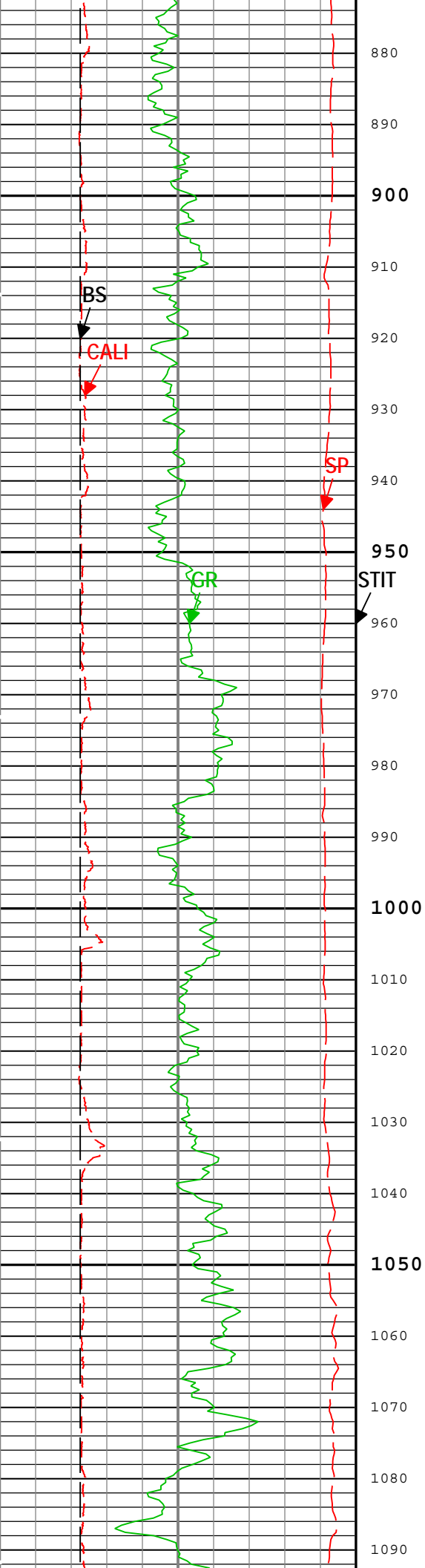
AT10	AIT-M:AMIS:AMIS	3in
AT20	AIT-M:AMIS:AMIS	3in
AT30	AIT-M:AMIS:AMIS	3in
AT60	AIT-M:AMIS:AMIS	3in
AT90	AIT-M:AMIS:AMIS	3in
BS	Borehole	6in
CALI	HDRS-H:HRCC-H:HRCC-H	1in
DPHZ	HDRS-H:HRMS-H:HRGD-H	2in
GR	HGNS-H:HGNS-H:HGNS-H	6in
NPOR	HGNS-H:HGNS-H:HGNS-H	6in
PEFZ	HDRS-H:HRMS-H:HRGD-H	2in
SP	AIT-M:AMIS:AMIS	6in
STIT	DepthCorrection	6in
TENS	WLWorkflow	6in
TIME_1900	WLWorkflow	0.1in

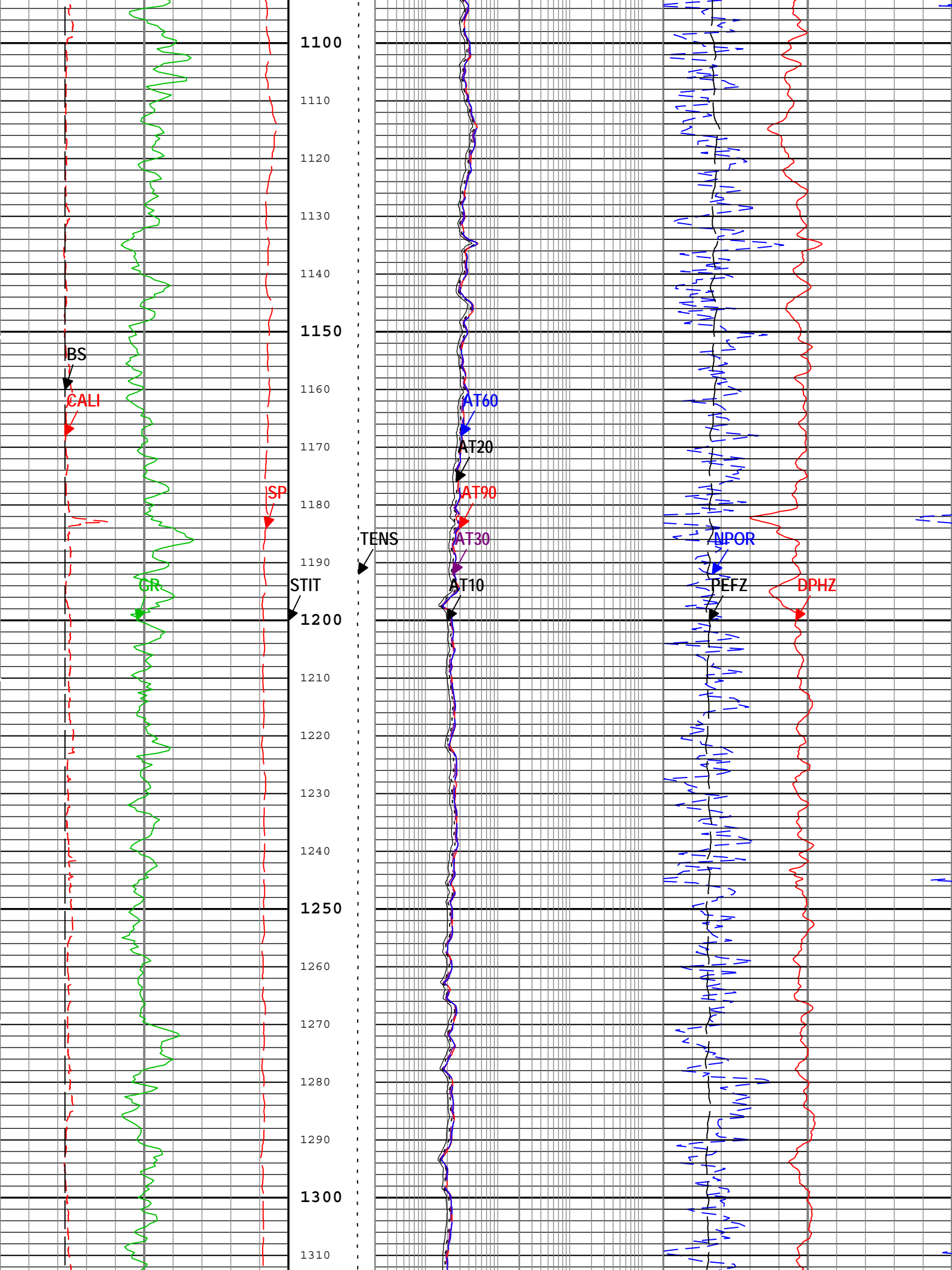
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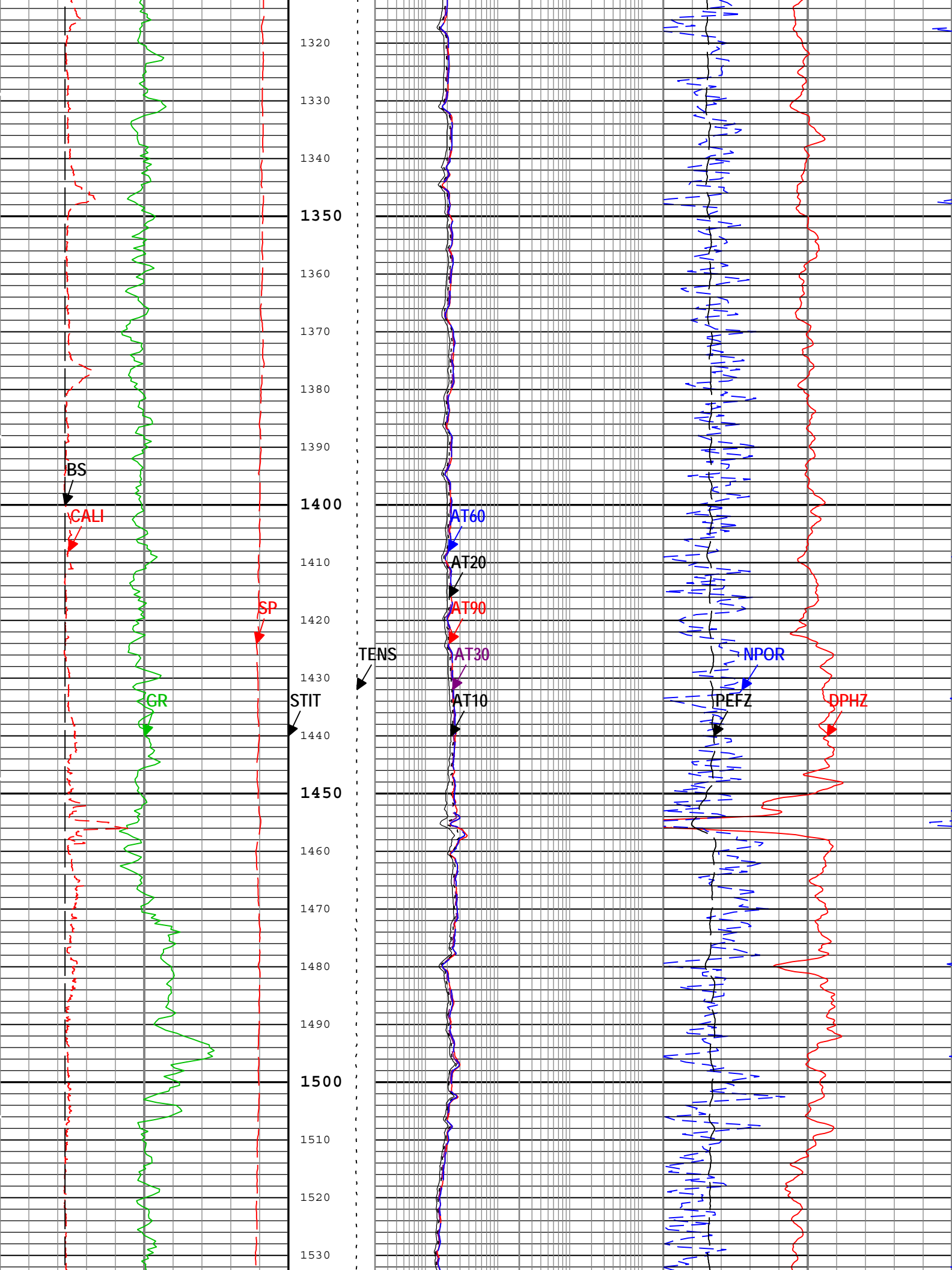


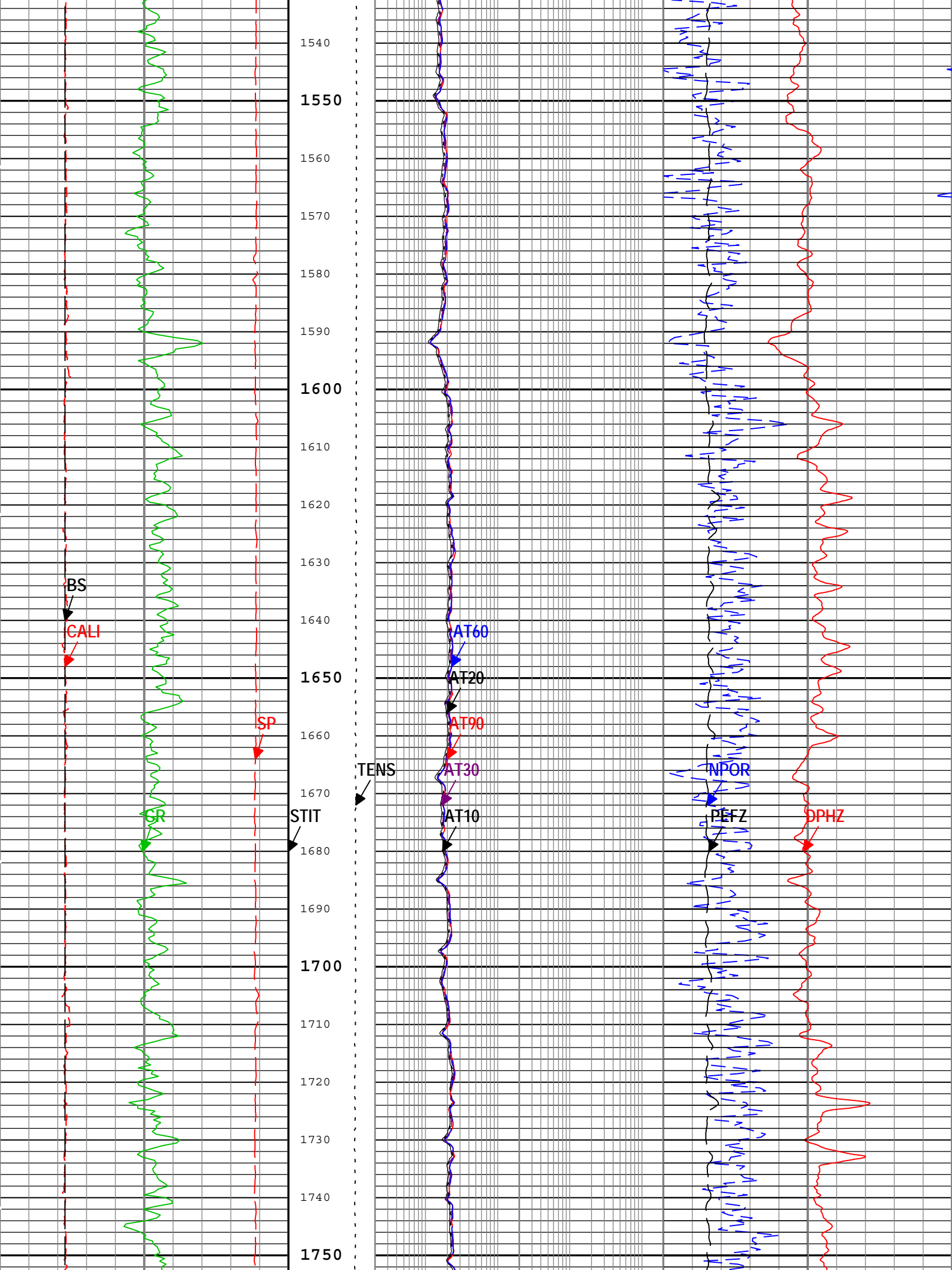


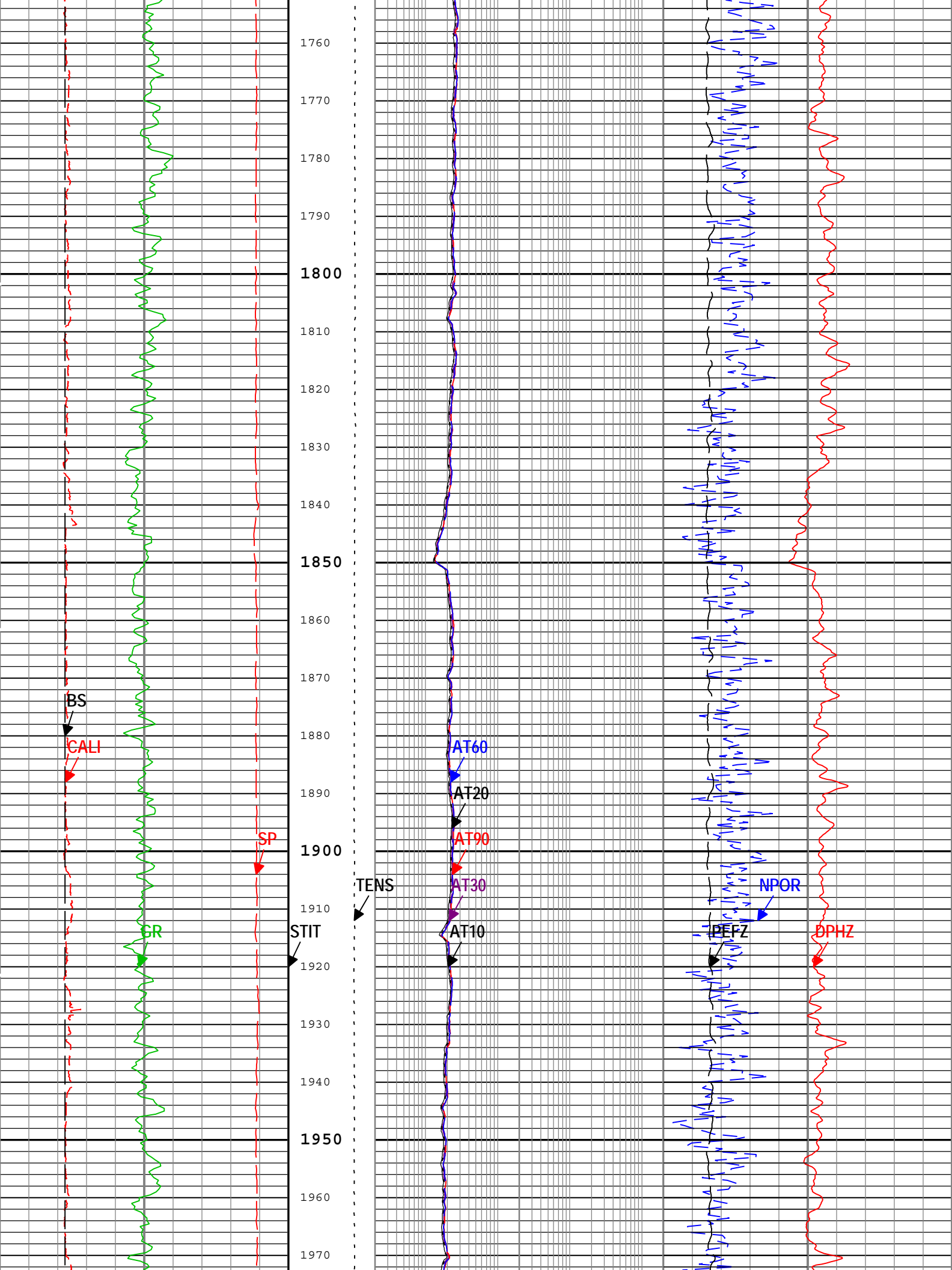


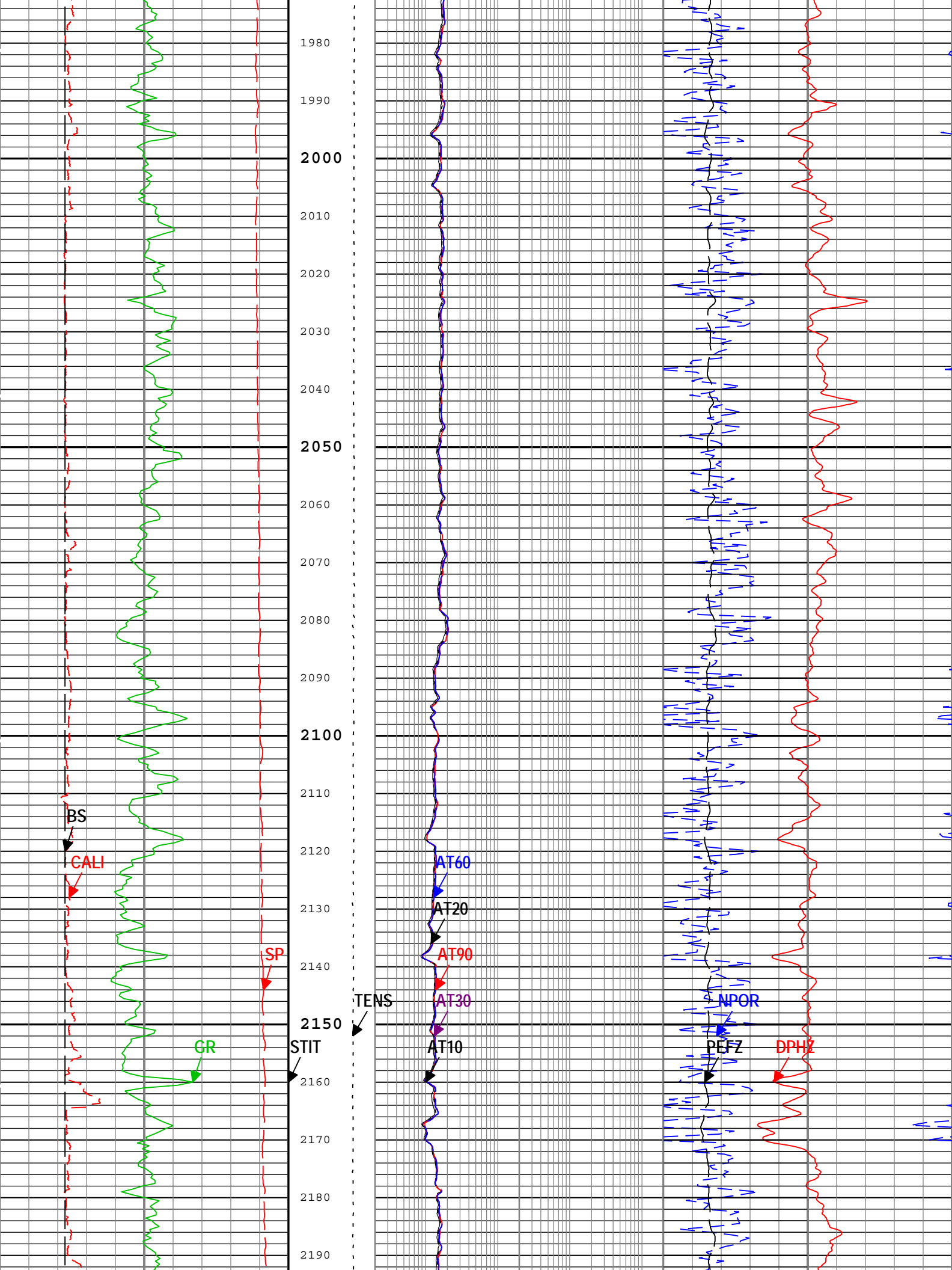


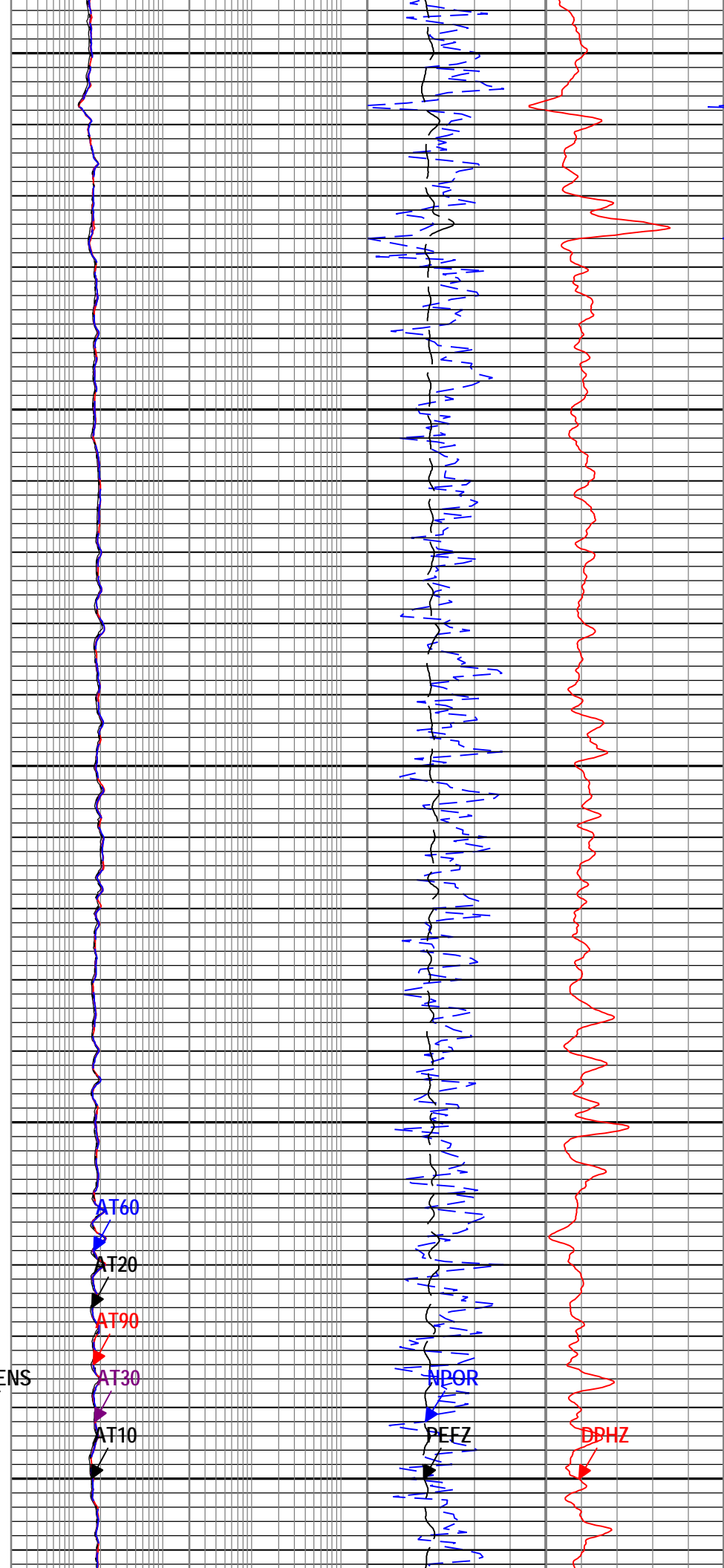
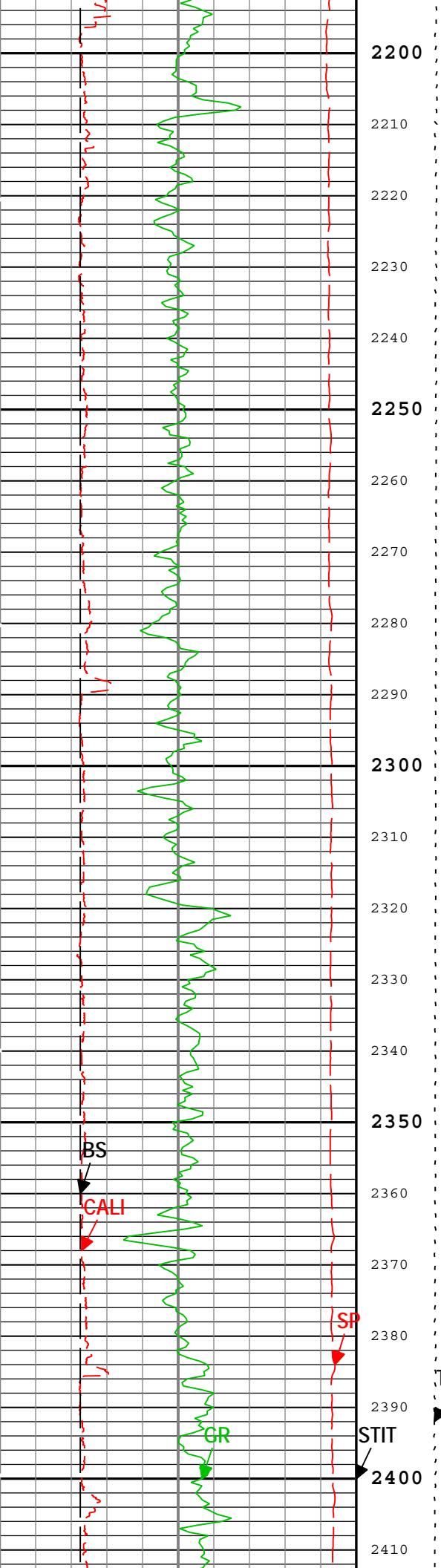


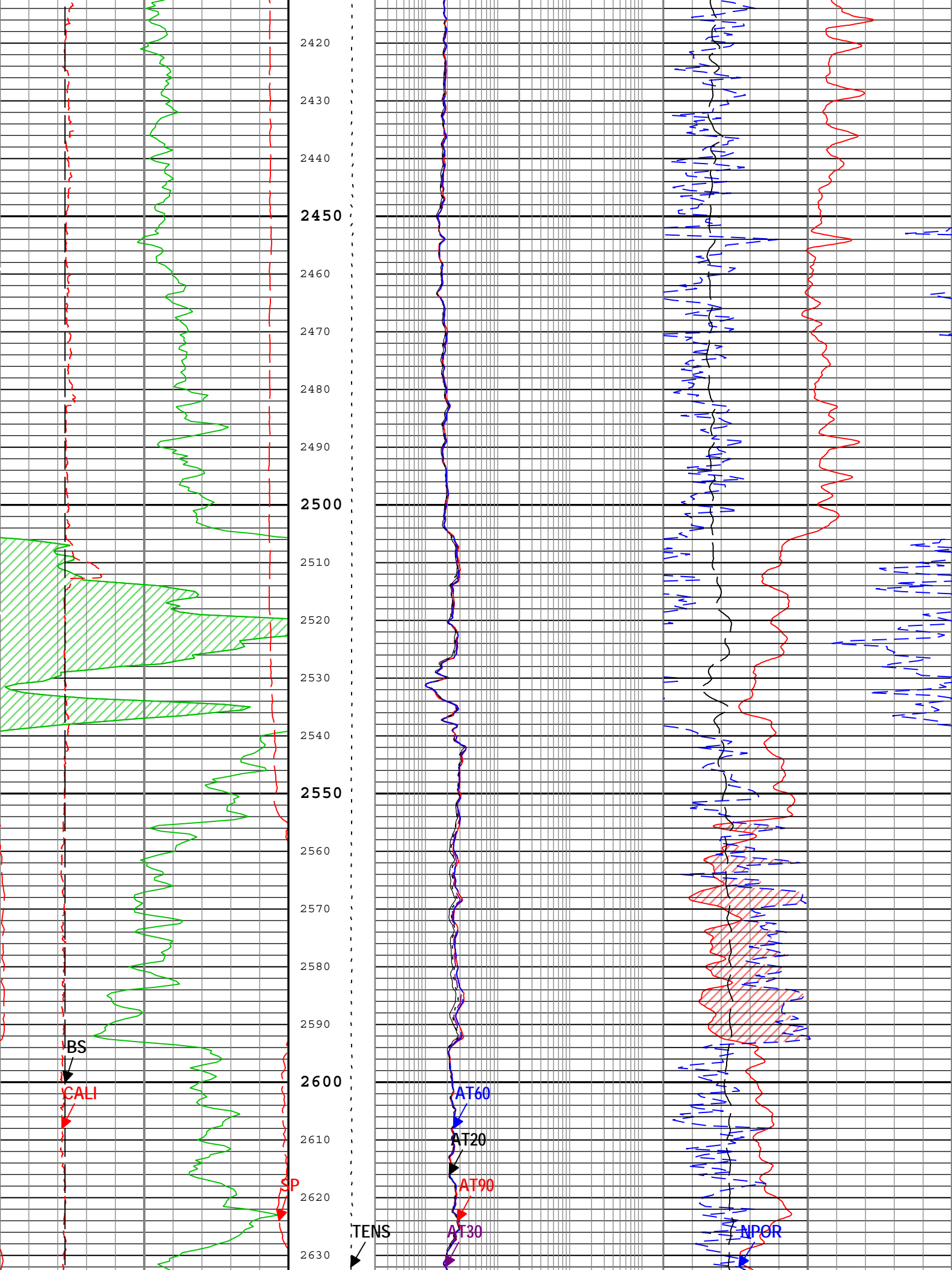


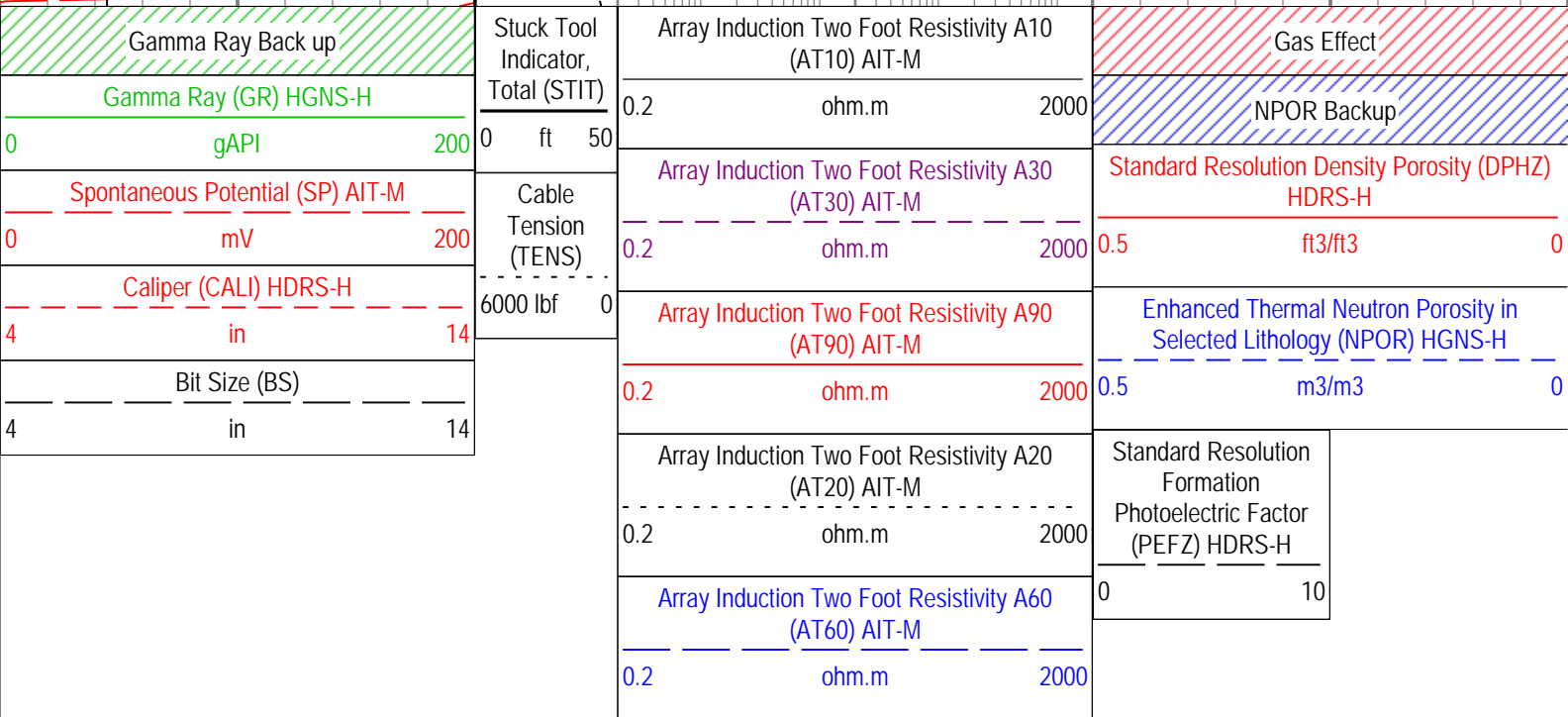
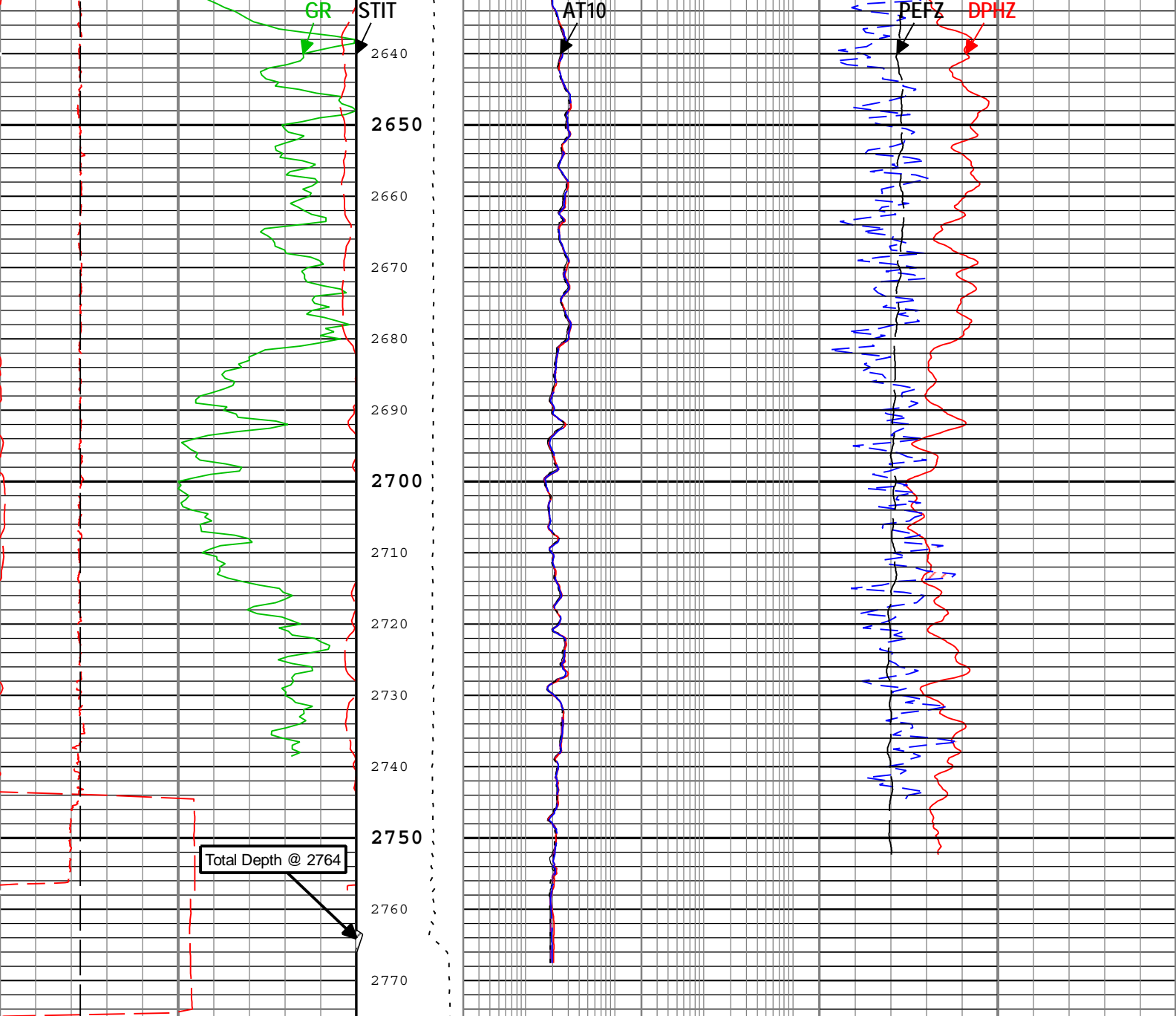












Channel Processing Parameters				
Parameter	Description	Tool	Value	Unit
ABHM	Array Induction Borehole Correction Mode	AIT-M	Compute Standoff	
ACDE	Array Induction Casing Detection Enable	AIT-M	Yes	
ASTA	Array Induction Tool Standoff	AIT-M	1	in
BARI	Barite Mud Presence Flag	Borehole	No	
BHS	Borehole Status (Open or Cased Hole)	Borehole	Open	
BHT	Bottom Hole Temperature	Borehole	112.19	degF
BS	Bit Size	WLSESSION	6.25	in
BSAL	Borehole Salinity	Borehole	0	ppm
CALI_SHIFT	CALI Supplementary Offset	HDRS-H	-0.02	in
CBLO	Casing Bottom (Logger)	WLSESSION	495	ft
CDEN	Cement Density	HGNS-H	2	g/cm3
DC_MODE	Depth Correction Mode	DepthCorrection	Real-time	
DFD	Drilling Fluid Density	Borehole	8.9	lbm/gal
DFT	Drilling Fluid 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	0.15	ohm.m
SOCO	Standoff Correction Option	HGNS-H	Yes	
SP_SHIFT	SP Shift	AIT-M	122	mV
SPDR	SP Drift Per Foot	AIT-M	0	mV/ft
TD	Total Measured Depth	Borehole	2764	ft

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

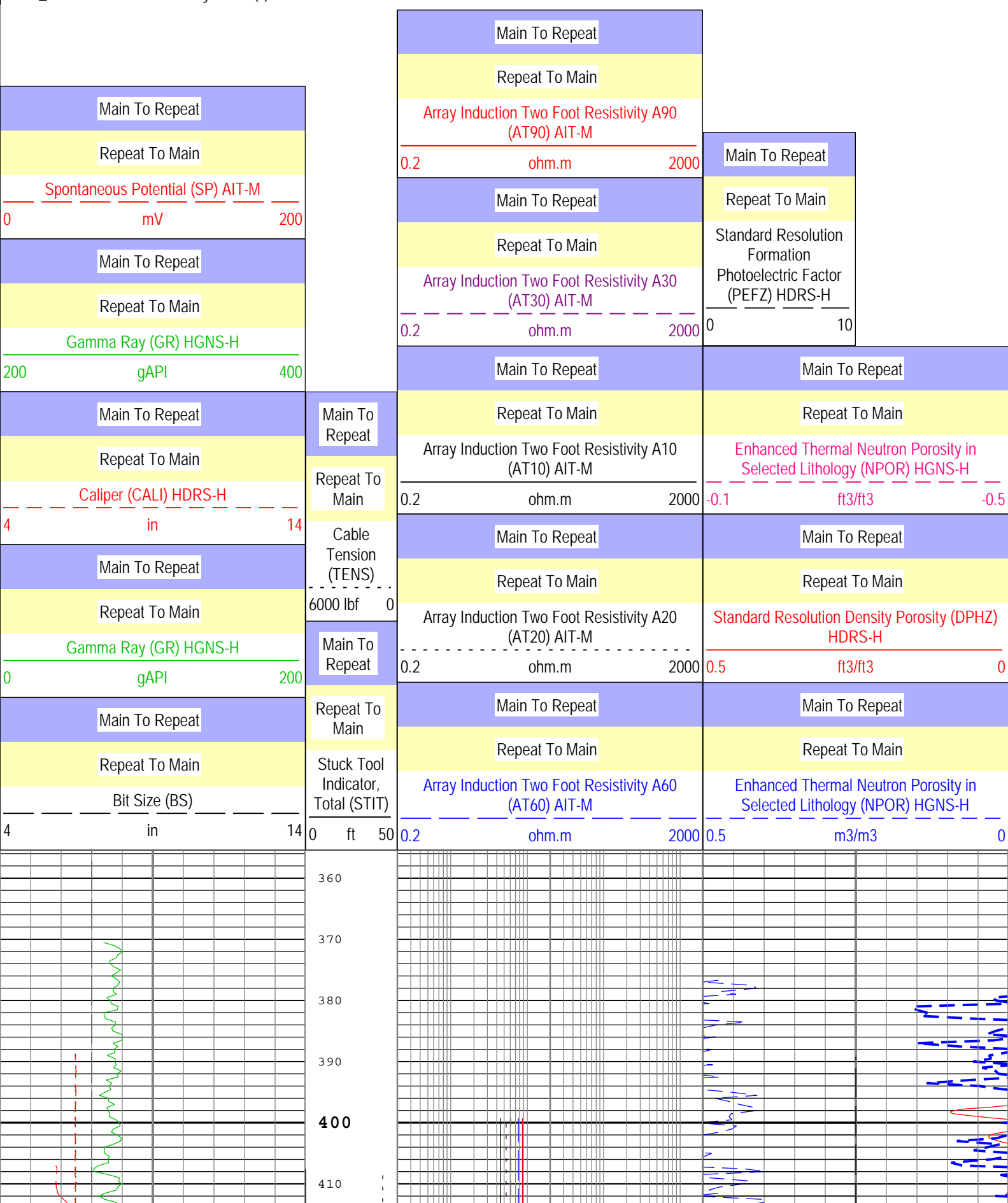
5" Triple Combo

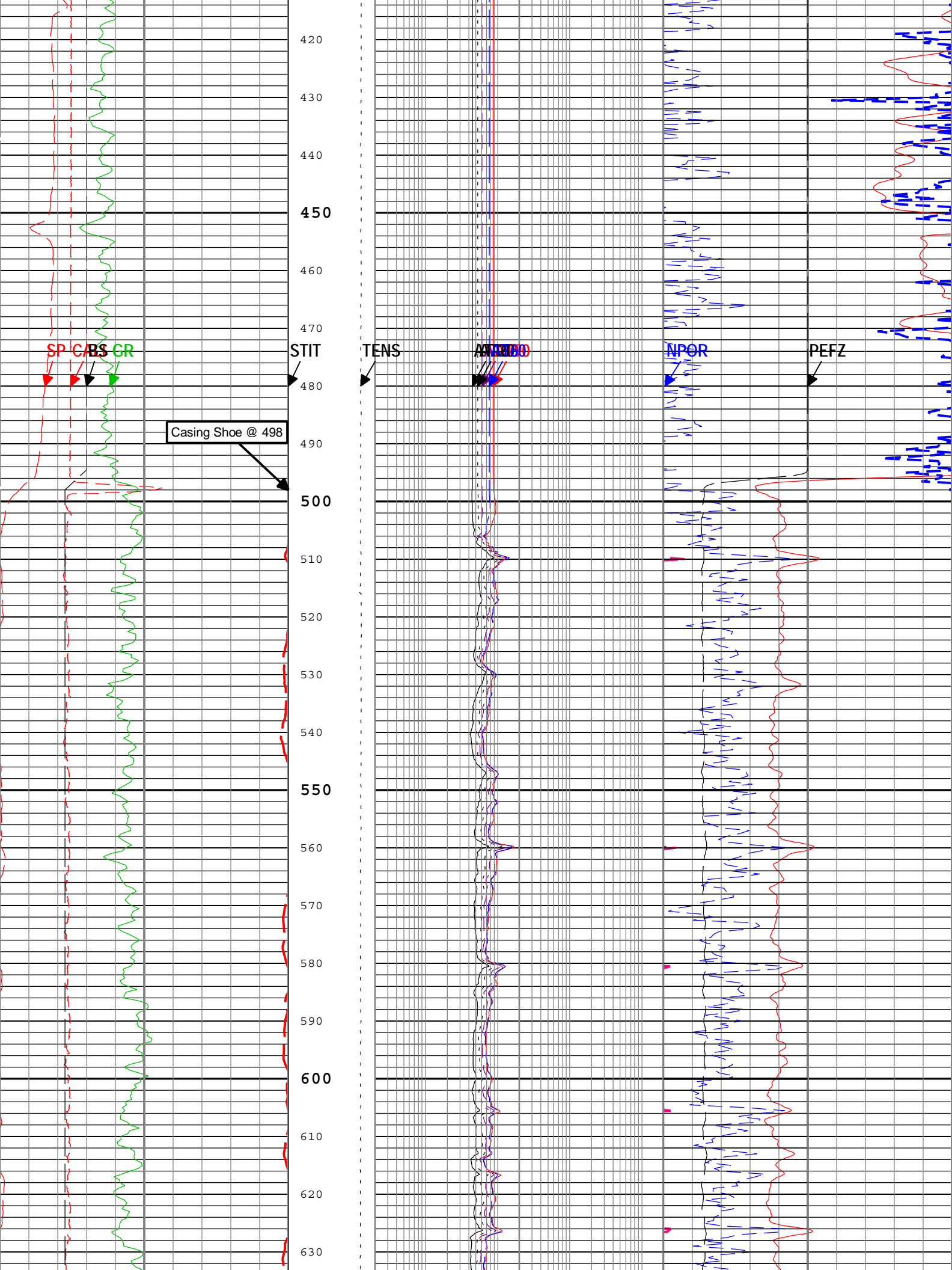
Pass Summary									
Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
Run 1	Repeat[4]:Up	Up	2470.52 ft	2779.58 ft	06-Dec-2014 1:21:43 PM	06-Dec-2014 1:27:59 PM	ON	0.00 ft	Yes
Run 1	Main[5]:Up	Up	407.01 ft	2775.70 ft	06-Dec-2014 1:33:17 PM	06-Dec-2014 2:14:30 PM	ON	0.00 ft	Yes

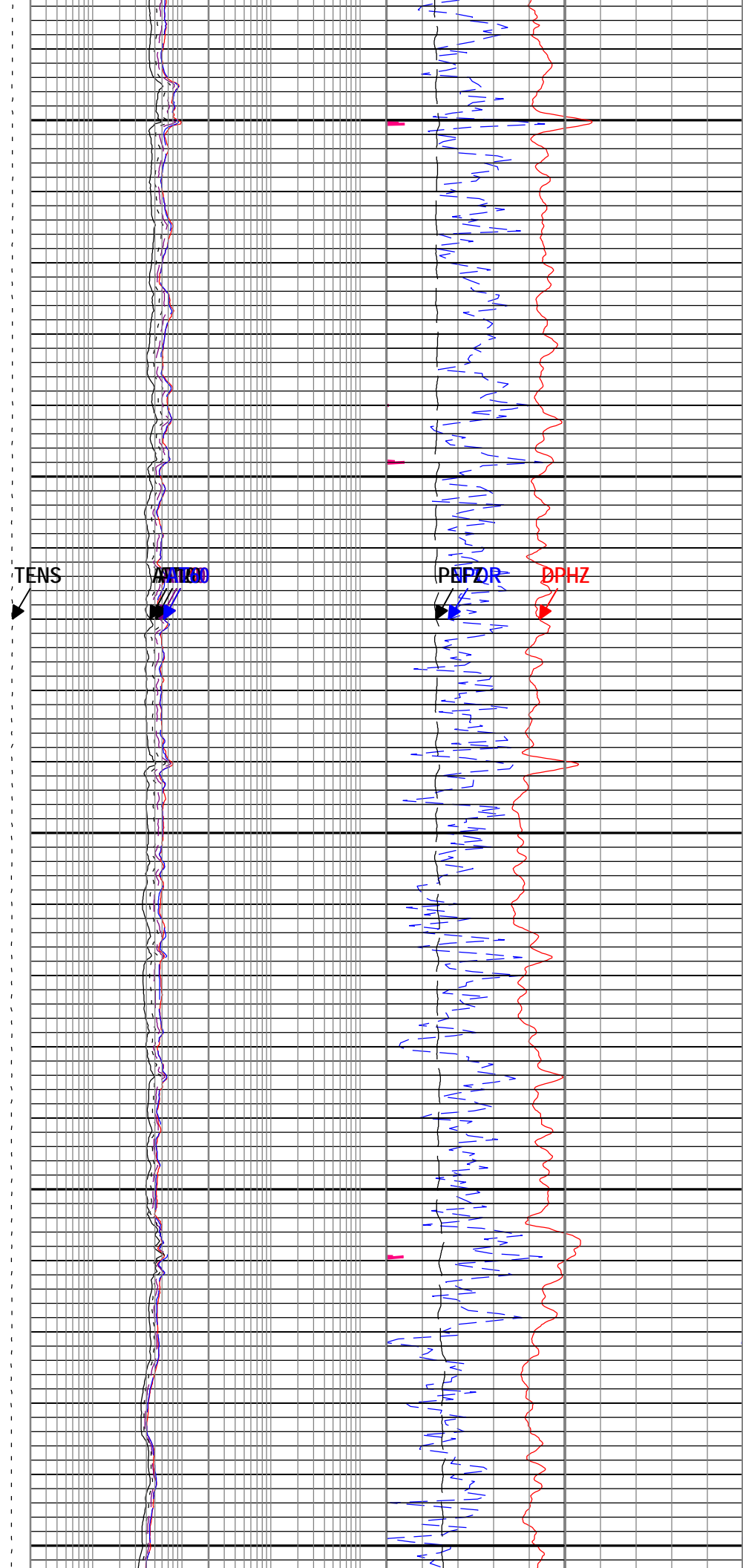
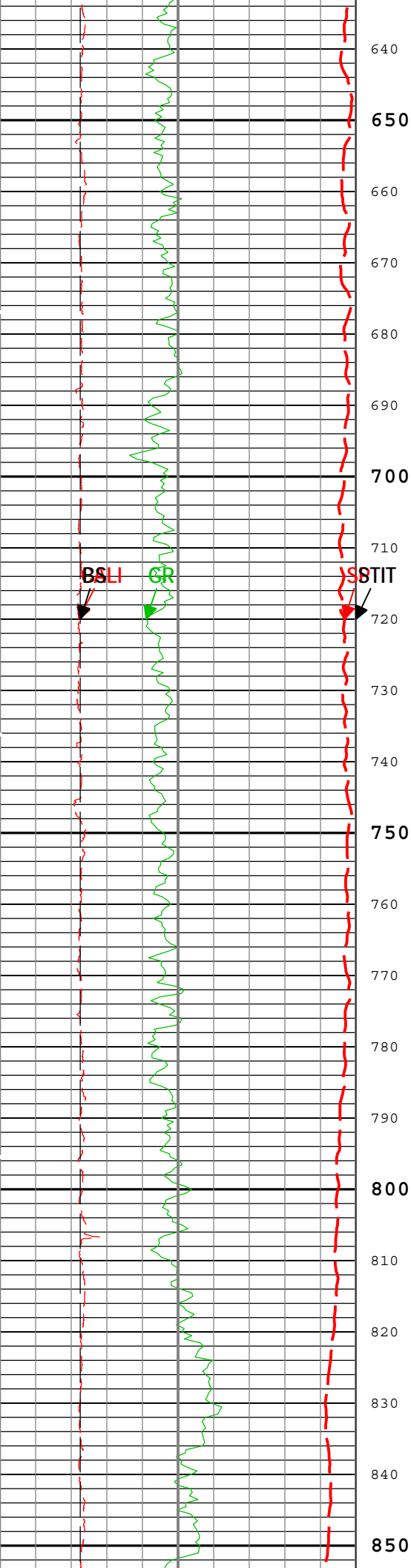
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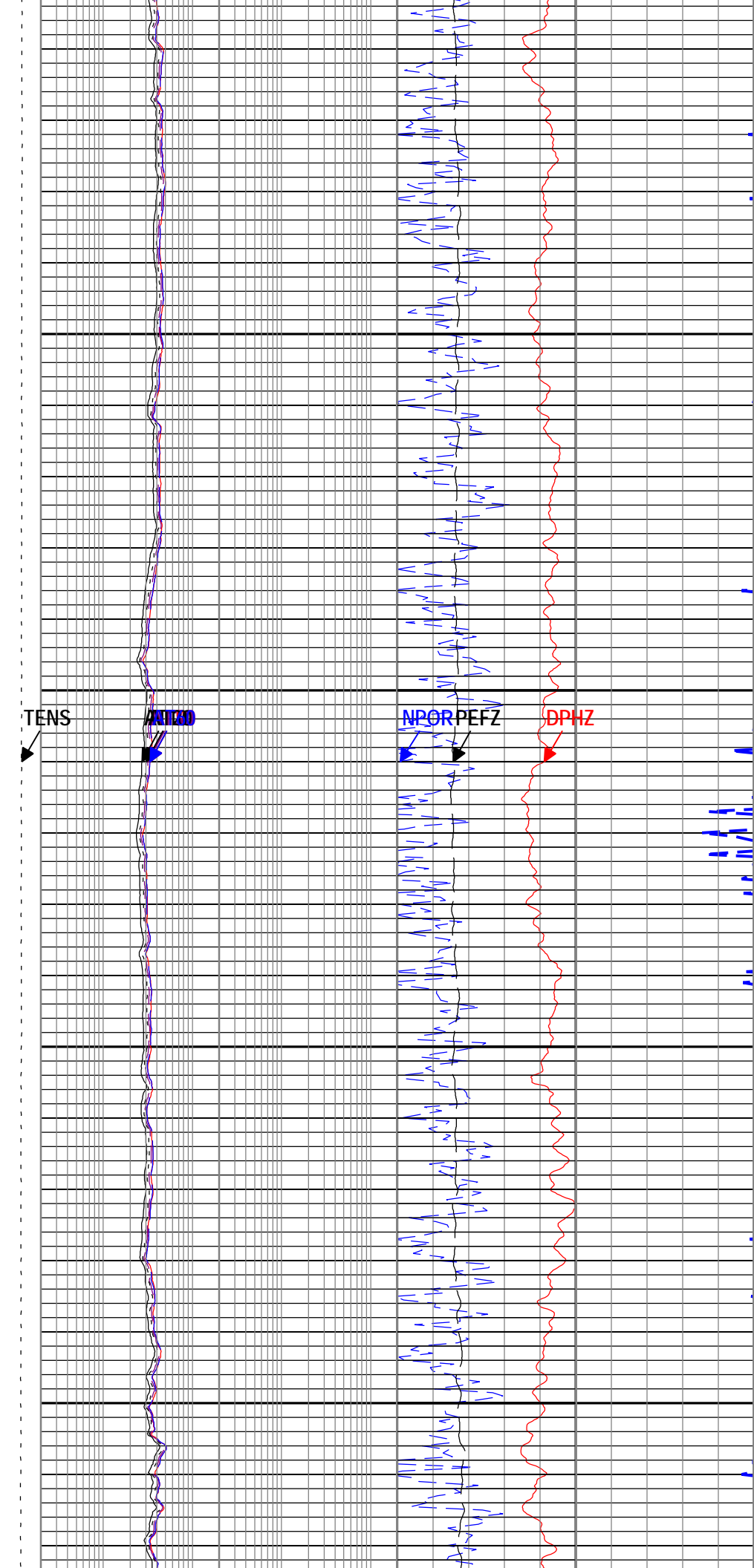
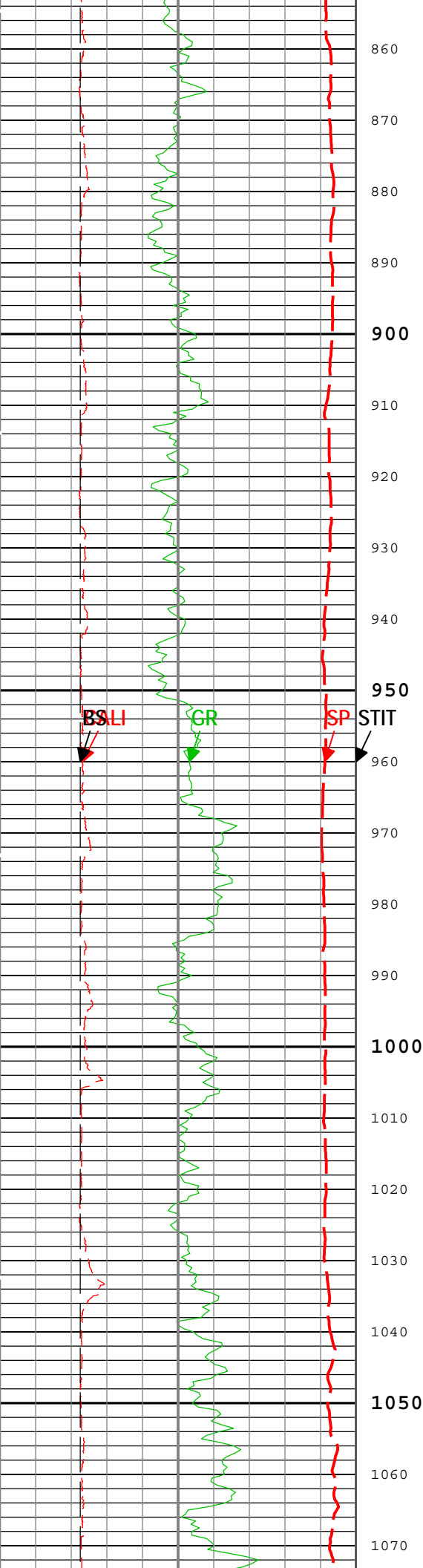
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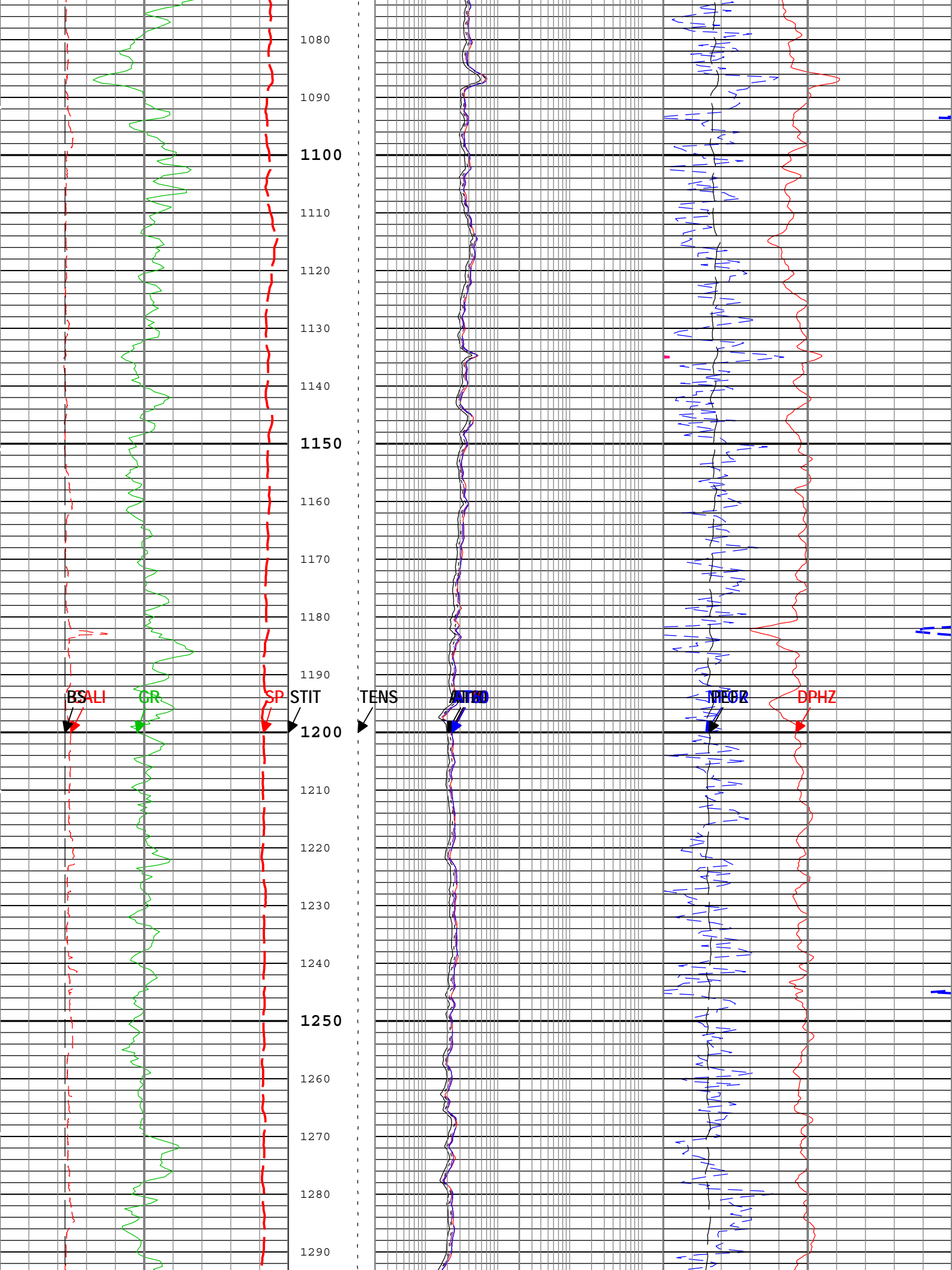
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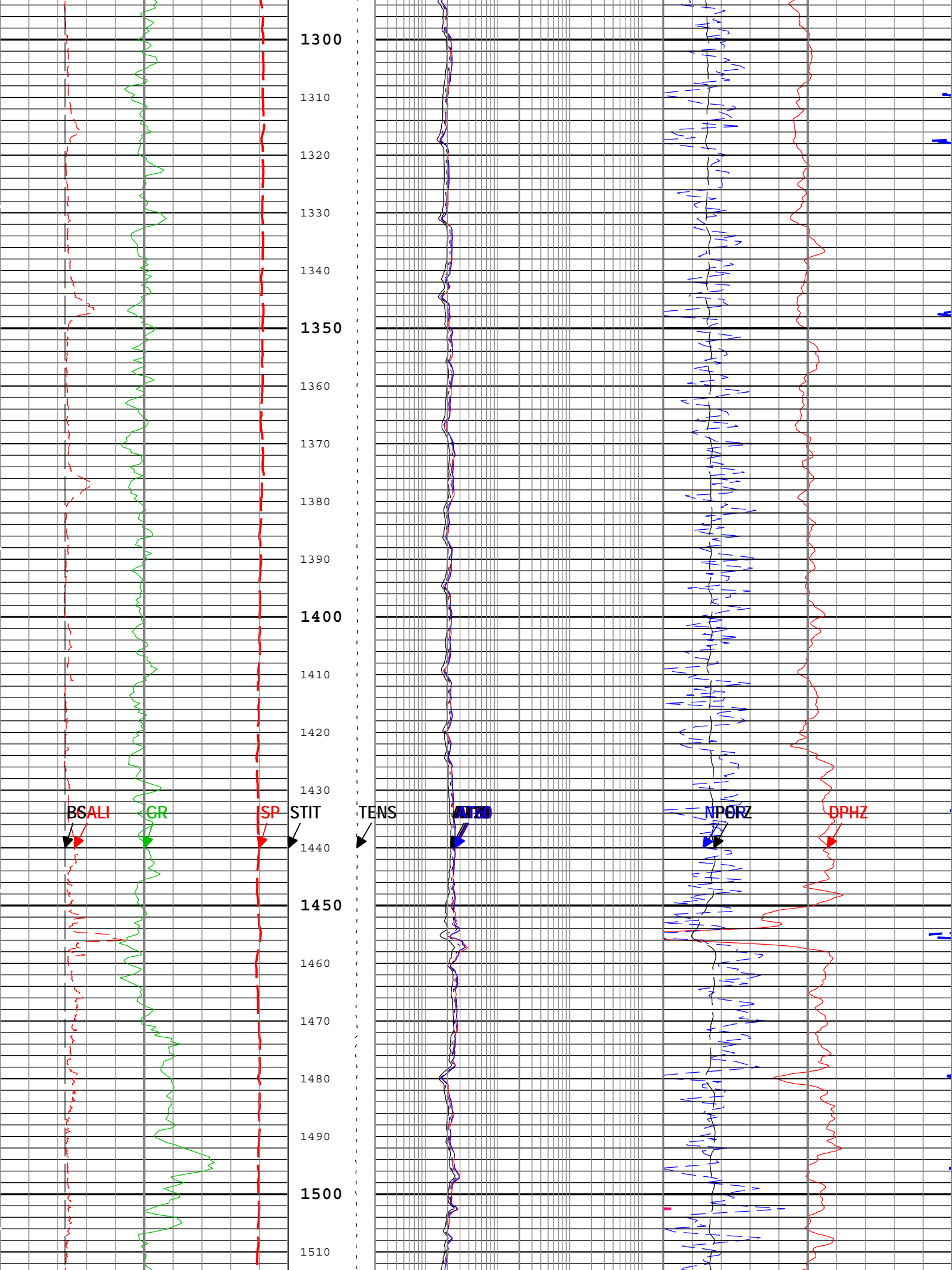


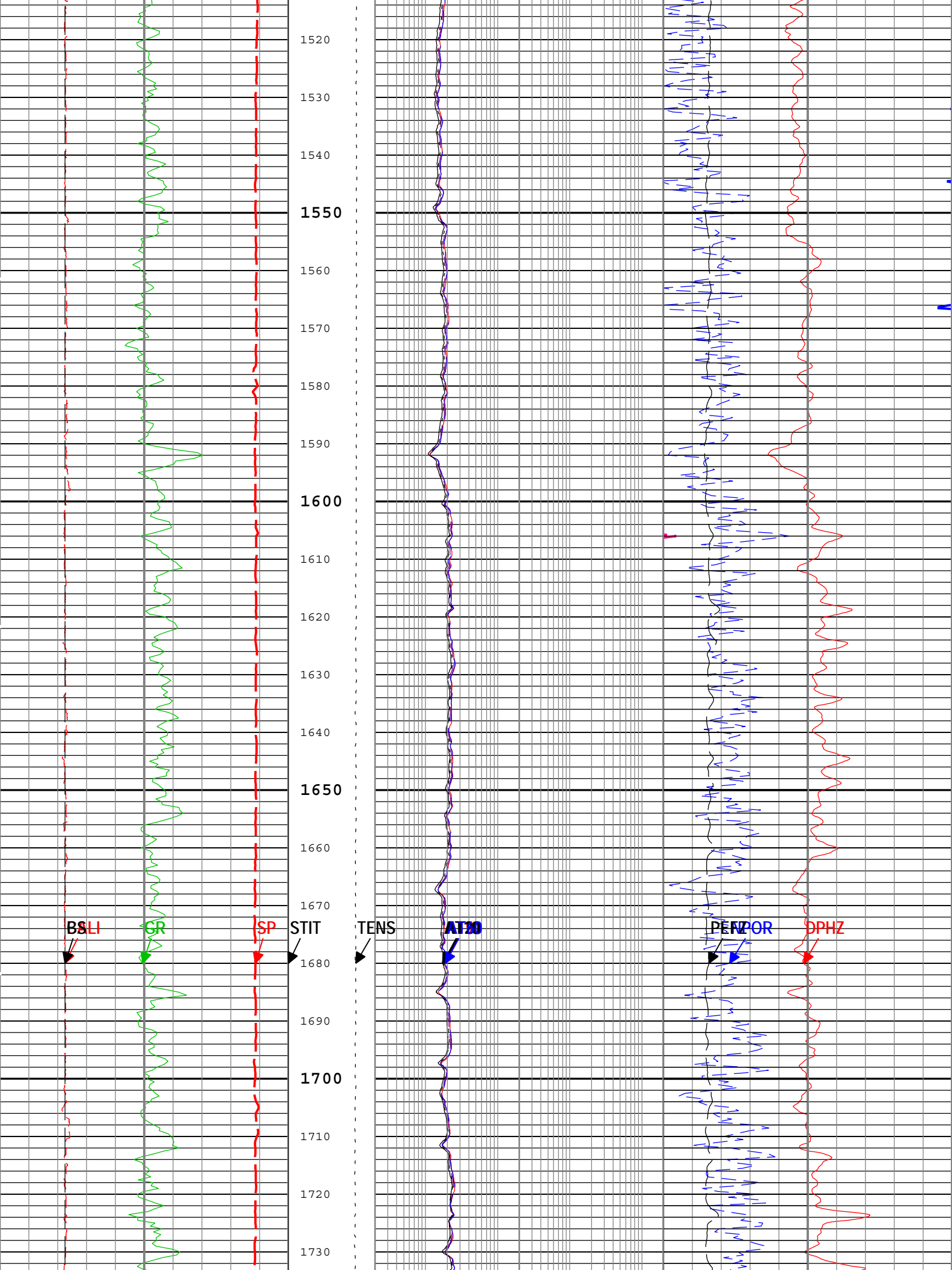


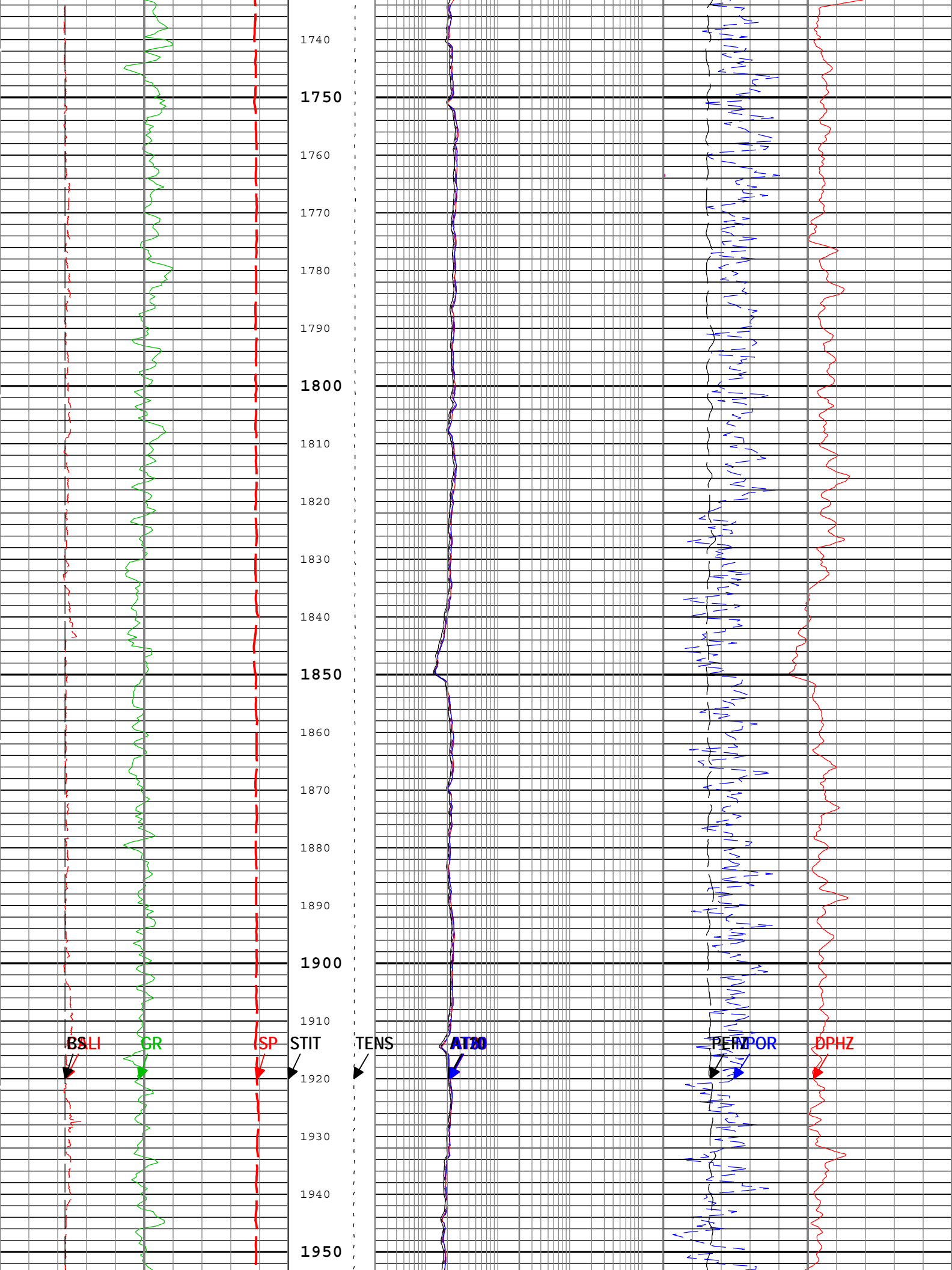


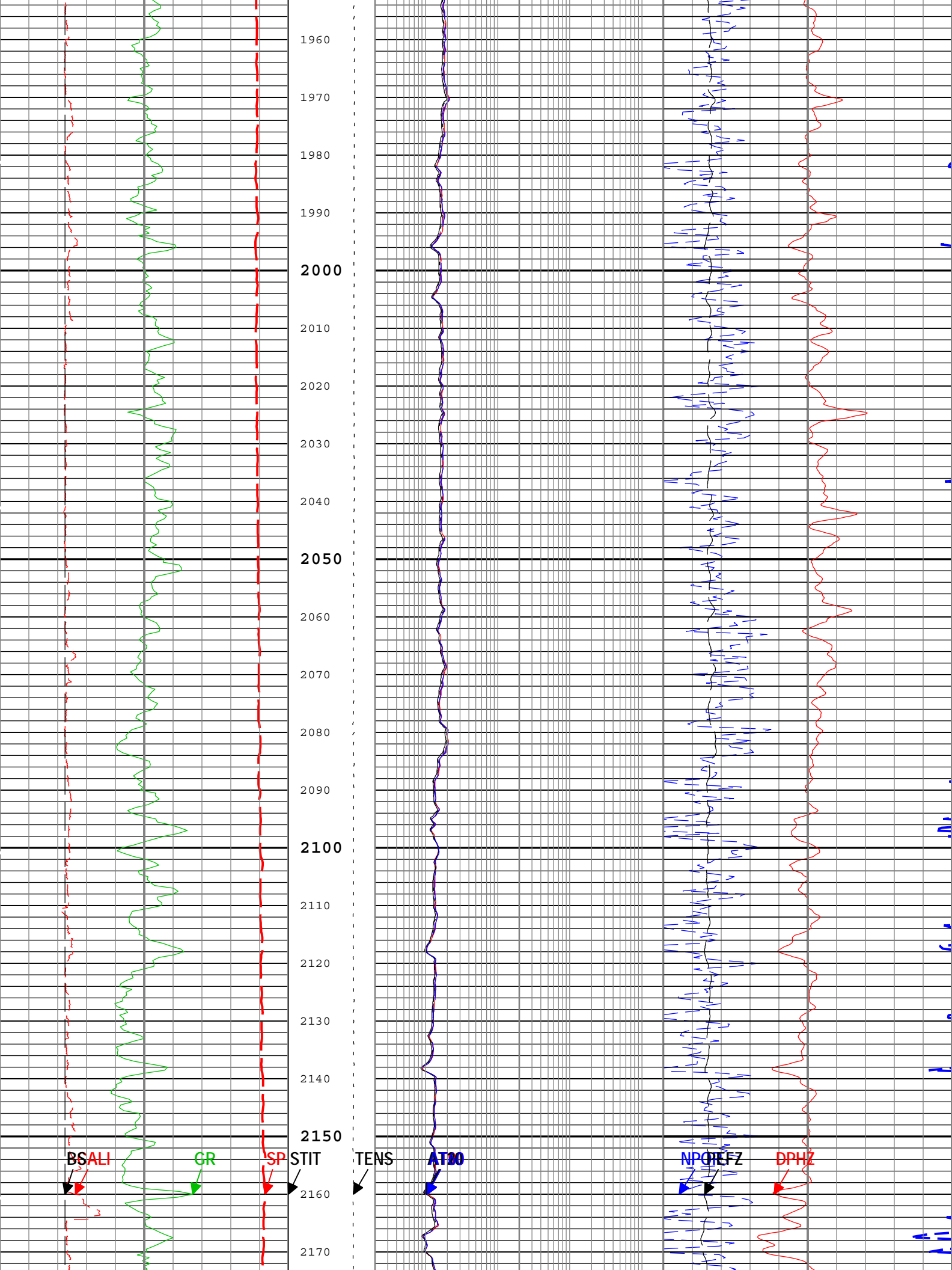


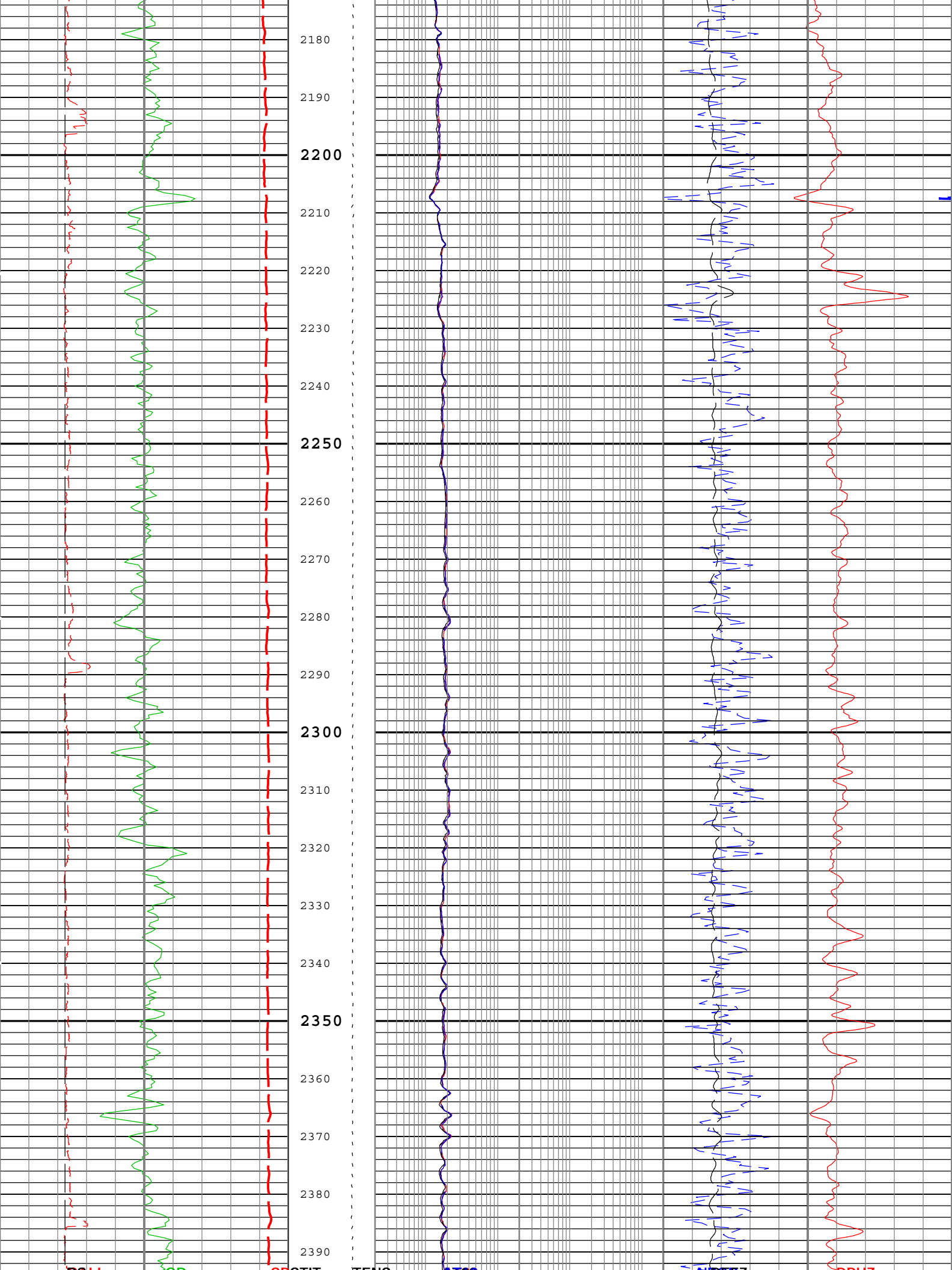


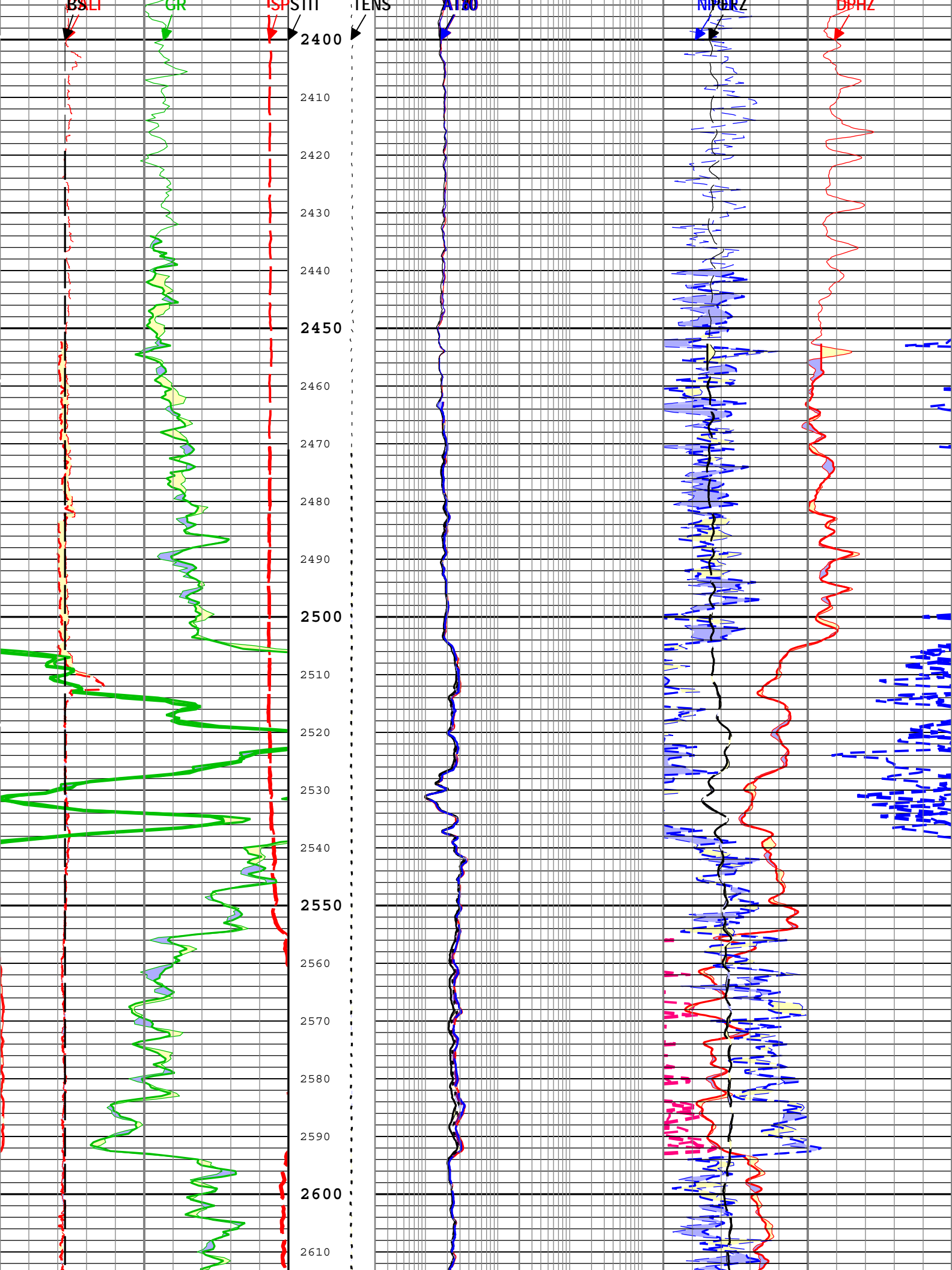


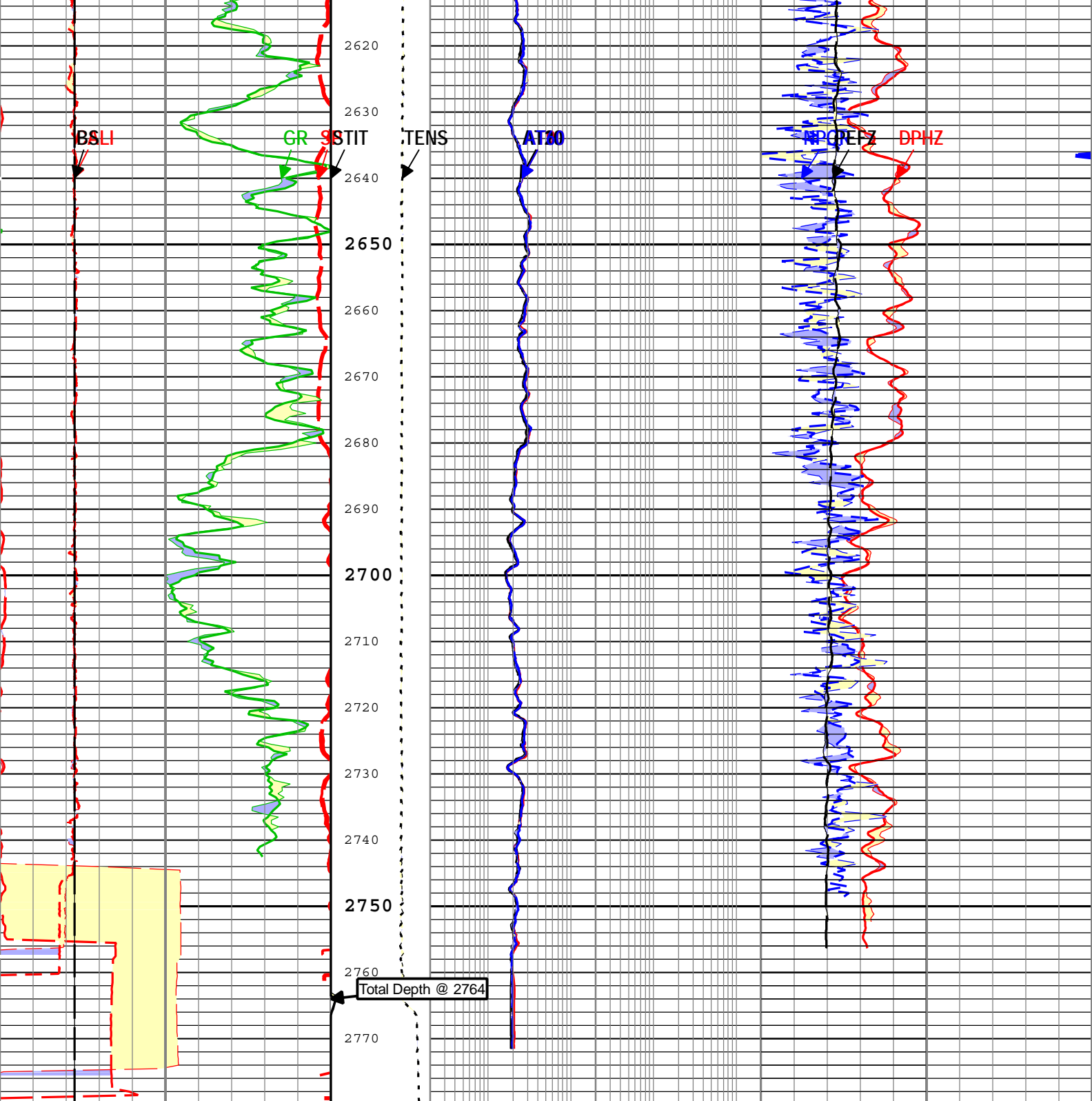












Main To Repeat		Main To Repeat		Main To Repeat	
Repeat To Main		Repeat To Main		Repeat To Main	
Spontaneous Potential (SP) AIT-M		Array Induction Two Foot Resistivity A90 (AT90) AIT-M		Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H	
0	200	0.2	2000	-0.1	-0.5
Main To Repeat		Main To Repeat		Main To Repeat	
Repeat To Main		Repeat To Main		Repeat To Main	
Gamma Ray (GR) HGNS-H		Array Induction Two Foot Resistivity A30 (AT30) AIT-M		Standard Resolution Density Porosity (DPHZ) HDRS-H	
200	400	0.2	2000	0.5	ft3/ft3
Main To Repeat		Main To Repeat		Main To Repeat	
Repeat To Main		Repeat To Main		Repeat To Main	

Main To Repeat	Main	Main To Repeat	Main To Repeat
Repeat To Main	Stuck Tool Indicator, Total (STIT)	Repeat To Main	Repeat To Main
Caliper (CALI) HDRS-H	0 ft 50	Array Induction Two Foot Resistivity A10 (AT10) AIT-M	Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H
4 in 14		0.2 ohm.m 2000	0.5 m3/m3 0
Main To Repeat		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 A20 (AT20) AIT-M	Standard Resolution Formation Photoelectric Factor (PEFZ) HDRS-H
0 gAPI 200		0.2 ohm.m 2000	0 10
Main To Repeat		Main To Repeat	
Repeat To Main		Repeat To Main	
Bit Size (BS)		Array Induction Two Foot Resistivity A60 (AT60) AIT-M	
4 in 14		0.2 ohm.m 2000	

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: 06-Dec-2014 14:38:28

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 Expired by 3 days							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div><div></div><div></div></div>
Test Loop Gain - 0		Master	1.000	0.950	1.014	1.050	<div><div></div><div></div><div></div><div></div></div>
Test Loop Phase - 0	deg	Master	0	-3.000	0.539	3.000	<div><div></div><div></div><div></div><div></div></div>
Test Loop Gain - 1		Master	1.000	0.950	1.014	1.050	<div><div></div><div></div><div></div><div></div></div>
Test Loop Phase - 1	deg	Master	0	-3.000	0.663	3.000	<div><div></div><div></div><div></div><div></div></div>
Test Loop Gain - 2		Master	1.000	0.950	1.022	1.050	<div><div></div><div></div><div></div><div></div></div>
Test Loop Phase - 2	deg	Master	0	-3.000	0.148	3.000	<div><div></div><div></div><div></div><div></div></div>
Test Loop Gain - 3		Master	1.000	0.950	1.014	1.050	<div><div></div><div></div><div></div><div></div></div>
Test Loop Phase - 3	deg	Master	0	-3.000	0.172	3.000	<div><div></div><div></div><div></div><div></div></div>
Test Loop Gain - 4		Master	1.000	0.950	0.996	1.050	<div><div></div><div></div><div></div><div></div></div>
Test Loop Phase - 4	deg	Master	0	-3.000	0.160	3.000	<div><div></div><div></div><div></div><div></div></div>
Test Loop Gain - 5		Master	1.000	0.950	0.987	1.050	<div><div></div><div></div><div></div><div></div></div>
Test Loop Phase - 5	deg	Master	0	-3.000	-0.133	3.000	<div><div></div><div></div><div></div><div></div></div>
Test Loop Gain - 6		Master	1.000	0.950	0.998	1.050	<div><div></div><div></div><div></div><div></div></div>
Test Loop Phase - 6	deg	Master	0	-3.000	0.192	3.000	<div><div></div><div></div><div></div><div></div></div>
Test Loop Gain - 7		Master	1.000	0.950	1.007	1.050	<div><div></div><div></div><div></div><div></div></div>
Test Loop Phase - 7	deg	Master	0	-3.000	-0.097	3.000	<div><div></div><div></div><div></div><div></div></div>
AIT Sonde Calibration - Sonde Error Correction							
Master (EEPROM): 12:18:07 04-Sep-2014 Expired by 3 days							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div><div></div><div></div></div>
Sonde Error Correction Real - 0	mS/m	Master	-----	-231.000	-109.513	119.000	<div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 0		Master	-----	-2250.000	-462.503	2250.000	<div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 1	mS/m	Master	-----	114.000	159.810	204.000	<div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Quad - 1		Master	-----	-625.000	-127.134	625.000	<div><div></div><div></div><div></div><div></div></div>
Sonde Error Correction Real - 2	mS/m	Master	-----	66.000	114.073	156.000	<div><div></div><div></div><div></div><div></div></div>

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 Expired by 3 days

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 Expired by 3 days Before (Measured): 09:25:02 06-Dec-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	0.575	0.854	
		Before-Master	-----	-----	-0.028	-----	
Thru Cal Phase - 0	deg	Master	-----	137.000	-165.073	-103.000	
		Before	-----	137.000	-167.855	-103.000	
		Before-Master	-----	-----	-2.782	-----	
Thru Cal Mag - 1	V	Master	-----	0.762	1.237	1.778	
		Before	-----	0.762	1.177	1.778	
		Before-Master	-----	-----	-0.060	-----	
Thru Cal Phase - 1	deg	Master	-----	136.000	-166.020	-104.000	
		Before	-----	136.000	-168.953	-104.000	
		Before-Master	-----	-----	-2.933	-----	
Thru Cal Mag - 2	V	Master	-----	0.372	0.613	0.868	
		Before	-----	0.372	0.584	0.868	
		Before-Master	-----	-----	-0.029	-----	
Thru Cal Phase - 2	deg	Master	-----	132.000	-169.506	-108.000	
		Before	-----	132.000	-172.595	-108.000	
		Before-Master	-----	-----	-3.089	-----	
Thru Cal Mag - 3	V	Master	-----	0.420	0.691	0.980	
		Before	-----	0.420	0.660	0.980	
		Before-Master	-----	-----	-0.031	-----	
Thru Cal Phase - 3	deg	Master	-----	131.000	-170.241	-109.000	
		Before	-----	131.000	-173.373	-109.000	
		Before-Master	-----	-----	-3.132	-----	
Thru Cal Mag - 4	V	Master	-----	0.804	1.297	1.876	
		Before	-----	0.804	1.233	1.876	
		Before-Master	-----	-----	-0.064	-----	
Thru Cal Phase - 4	deg	Master	-----	125.000	-176.203	-115.000	
		Before	-----	125.000	-179.635	-115.000	
		Before-Master	-----	-----	-3.432	-----	
Thru Cal Mag - 5	V	Master	-----	1.176	1.887	2.744	
		Before	-----	1.176	1.794	2.744	
		Before-Master	-----	-----	-0.093	-----	
Thru Cal Phase - 5	deg	Master	-----	122.000	-177.732	-118.000	
		Before	-----	122.000	178.715	-118.000	
		Before-Master	-----	-----	356.447	-----	
Thru Cal Mag - 6	V	Master	-----	1.176	1.886	2.744	
		Before	-----	1.176	1.794	2.744	
		Before-Master	-----	-----	-0.092	-----	
Thru Cal Phase - 6	deg	Master	-----	121.000	-177.711	-119.000	
		Before	-----	121.000	178.724	-119.000	
		Before-Master	-----	-----	356.435	-----	
Thru Cal Mag - 7	V	Master	-----	0.846	1.357	1.974	
		Before	-----	0.846	1.294	1.974	
		Before-Master	-----	-----	-0.063	-----	
Thru Cal Phase - 7	deg	Master	-----	115.000	-178.471	-125.000	
		Before	-----	115.000	178.052	-125.000	

SS Window Sum	1/s	Master Before Before-Master	1 10907 -----	10361 -----	10907 10912 5	11452 -----	
LS Window Ratio		Master Before Before-Master	1.0000 0.3004 -----	0.2854 -----	0.3004 0.2970 -0.0034	0.3154 -----	
LS Window Sum	1/s	Master Before Before-Master	1 1191 -----	1131 -----	1191 1191 0	1250 -----	

HDRS Density Calibration - Photo-multiplier High Voltages

Master (EEPROM): 12:46:24 19-Nov-2014		Before (Measured): 09:26:17 06-Dec-2014					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
BS PM High Voltage	V	Master		1000	1635	2400	
		Before		1000	1623	2400	
		Before-Master	-----	-100	-12	100	
SS PM High Voltage	V	Master		1000	1496	2400	
		Before		1000	1514	2400	
		Before-Master	-----	-100	18	100	
LS PM High Voltage	V	Master		1000	1283	2400	
		Before		1000	1280	2400	
		Before-Master	-----	-100	-3	100	

HDRS Density Calibration - Crystal Quality Resolutions

Master (EEPROM): 12:46:24 19-Nov-2014		Before (Measured): 09:26:17 06-Dec-2014					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
BS Crystal Resolution	%	Master		5.00	10.91	25.00	
		Before		5.00	10.81	25.00	
		Before-Master	-----	-1.00	-0.10	1.00	
SS Crystal Resolution	%	Master		5.00	9.66	20.00	
		Before		5.00	9.76	20.00	
		Before-Master	-----	-1.00	0.10	1.00	
LS Crystal Resolution	%	Master		5.00	8.11	20.00	
		Before		5.00	8.11	20.00	
		Before-Master	-----	-1.00	0.00	1.00	

HDRS MCFL Calibration - MCFL Accumulations

Before (Measured): 13:21:22 06-Dec-2014							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Main Resistivity	ohm.m	Before	3875	3565	3882	4185	
Deep Resistivity	ohm.m	Before	3830	3524	3810	4136	
Shallow Resistivity	ohm.m	Before	3830	3524	3833	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	4810
Auxiliary Equipment :			
HGNS Accelerometer, 150 degC		HACCZ-H	5955
AmBe Neutron Logging Source		NSR-F	5215
Calibration Parameter :			
Water Temperature			
Housing Size			
JIG-BKG (Jig minus background reference)		165	

HGNS Accelerometer Calibration - Accelerometer Accumulations

Before (Measured): 13:01:18 06-Dec-2014							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
AZ Vertical Measurement	ft/s2	Before	32.2	31.5	32.1	32.8	

HGNS Accelerometer EEPROM - Accelerometer EEPROM Read

Master (Manual Entry): 00:00:00 15-Jan-2007							
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	-----	-----	1155.700	-----	

Accelerometer Coefficients - 1		Master	-----	-----	26.890	-----	
Accelerometer Coefficients - 2		Master	-----	-----	-0.008	-----	
Accelerometer Coefficients - 3		Master	-----	-----	0.000	-----	
Accelerometer Coefficients - 4		Master	-----	-----	2.748	-----	
Accelerometer Coefficients - 5		Master	-----	-----	0.000	-----	
Accelerometer Coefficients - 6		Master	-----	-----	0.000	-----	
Accelerometer Coefficients - 7		Master	-----	-----	0.000	-----	
Accelerometer Coefficients - 8		Master	-----	-----	298.600	-----	
Accelerometer Coefficients - 9		Master	-----	-----	0.983	-----	

HGNS Neutron Calibration - HGNS Neutron Accumulations

Master (Manual Entry):		10:43:32 31-Oct-2014		Before (Measured):		09:23:55 06-Dec-2014	
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Near Zero Measurement - 0	1/s	Master Before Before-Master	----- 0 -----	----- 5.0 -----	----- 25.0 -----	----- 40.0 -----	
Far Zero Measurement - 0	1/s	Master Before Before-Master	----- 0 -----	----- 5.0 -----	----- 28.1 -----	----- 40.0 -----	
Near Plus Measurement - 0	1/s	Master Before Before-Master	----- ----- -----	----- ----- -----	----- ----- -----	----- ----- -----	
Far Plus Measurement - 0	1/s	Master Before Before-Master	----- ----- -----	----- ----- -----	----- ----- -----	----- ----- -----	
Near Corrected Plus Measurement	1/s	Master Before Before-Master	----- ----- -----	4700.0 ----- -----	5330.0 ----- -----	6900.0 ----- -----	
Far Corrected Plus Measurement	1/s	Master Before Before-Master	----- ----- -----	1900.0 ----- -----	2259.0 ----- -----	2900.0 ----- -----	

HGNS Gamma-Ray Calibration - Gamma-Ray Accumulations

Before (Measured):		09:32:35 06-Dec-2014					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
RGR Zero Measurement	gAPI	Before	30.0	0	143.6	120.0	
RGR Plus Measurement	gAPI	Before	185.4	157.1	173.3	206.3	
GR Calibration Gain		Before	0.89	0.80	0.95	1.05	

GPIT-F (General-Purpose Inclinometer Tool) Calibration - Run 1

Primary Equipment :		
DHRU-F	DHRU-F	799

Signals and Temperature Correction for Accelerometers

Master (Manual Entry):		00:00:00 25-Mar-2007	
GPITF_ACCX_MODEL GPIT-F Accelero X Model (Master)			
	Racx**0	Racx**1	
Temp**0	0.01004	0.0006686	
Temp**1	-0.0002973	-7.547E-08	
Temp**2	7.824E-06	5.155E-10	
Temp**3	-3.246E-08	-3.304E-12	
GPITF_ACCY_MODEL GPIT-F Accelero Y Model (Master)			
	Racy**0	Racy**1	
Temp**0	0.02525	-0.0006675	
Temp**1	0.0001103	7.694E-08	
Temp**2	-6.932E-06	-5.726E-10	
Temp**3	2.529E-08	3.514E-12	
GPITF_ACCZ_MODEL GPIT-F Accelero Z Model			

(Master)		
	Racz**0	Racz**1
Temp**0	0.0332	0.0006767
Temp**1	-0.0003086	-8.402E-08
Temp**2	5.16E-06	5.923E-10
Temp**3	-2.277E-08	-3.469E-12

Perpendicular Correction for Accelerometers							
Master (Manual Entry): 00:00:00 25-Mar-2007							
GPITF_ACC_AXIS_MODE GPIT-F Accelero Axis Model L (Master)							
	Data**0	Data**1	Data**2	Data**3	Data**4	Data**5	Data**6
Temp**0	0.001837	-0.0004671	-0.0008078	-3.386E-05	-1.416E-05	0.0004458	0
Temp**1	-2.085E-06	-6.004E-06	6.579E-06	-9.407E-07	1.657E-06	1.694E-06	0

Signals and Temperature Correction for Magnetometer		
Master (Manual Entry): 00:00:00 25-Mar-2007		
GPITF_MAGX_MODEL GPIT-F Magneto X Model (Master)		
	Rmagx**0	Rmagx**1
Temp**0	181.8	4.865
Temp**1	-3.717	-0.0002706
Temp**2	0.05241	4.475E-06
Temp**3	-0.000188	-1.877E-08
GPITF_MAGY_MODEL GPIT-F Magneto Y Model (Master)		
	Rmagy**0	Rmagy**1
Temp**0	-84.65	-4.938
Temp**1	-0.4524	0.0004073
Temp**2	0.01529	-5.572E-06
Temp**3	-5.748E-05	2.272E-08
GPITF_MAGZ_MODEL GPIT-F Magneto Z Model (Master)		
	Rmagz**0	Rmagz**1
Temp**0	-79.15	4.879
Temp**1	0.5691	-0.0003812
Temp**2	-0.02047	5.573E-06
Temp**3	6.838E-05	-2.26E-08

Perpendicular Correction for Magnetometer							
Master (Manual Entry): 00:00:00 25-Mar-2007							
GPITF_MAG_AXIS_MODE GPIT-F Magneto Axis Model L (Master)							
	Data**0	Data**1	Data**2	Data**3	Data**4	Data**5	Data**6
Temp**0	-0.0006571	0.003886	0.001791	0.005535	7.441E-05	-0.005725	0
Temp**1	-3.933E-06	-3.186E-06	5.509E-06	4.485E-07	-2.703E-06	1.894E-07	0

Master (Manual Entry): 00:00:00 23-Mar-2007	
GPITF_ELEC_COEFF1 GPIT-F Electronic Coeff 1 (Master)	

	Data**0	Data**1
Temp**0	-0.8952	249.9
Temp**1	0.01395	0.008198
Temp**2	1.39E-05	-0.0002052
Temp**3	-1.841E-06	1.995E-06
Temp**4	9.326E-09	-7.143E-09

GPITF_ELEC_COEFF2 GPIT-F Electronic Coeff 2 (Master)		
	Data**0	Data**1
Temp**0	-0.5616	250
Temp**1	0.028	0.007144
Temp**2	-0.0002619	-0.0001819
Temp**3	4.204E-07	1.851E-06
Temp**4	1.833E-09	-6.841E-09

GPITF_ELEC_COEFF3 GPIT-F Electronic Coeff 3 (Master)		
	Data**0	Data**1
Temp**0	-3.372	249.8
Temp**1	0.02644	0.01735
Temp**2	-0.0001189	-0.0003523
Temp**3	-5.303E-07	3.076E-06
Temp**4	4.865E-09	-1E-08

Master (Manual Entry): 00:00:00 23-Mar-2007		
GPITF_ELEC_COEFF4 GPIT-F Electronic Coeff 4 (Master)		
	Data**0	Data**1
Temp**0	-0.4945	0.128
Temp**1	0.02399	4.302E-06
Temp**2	-0.000384	-1.071E-07
Temp**3	3.061E-06	1.025E-09
Temp**4	-8.516E-09	-3.602E-12

GPITF_ELEC_COEFF5 GPIT-F Electronic Coeff 5 (Master)		
	Data**0	Data**1
Temp**0	-0.4945	0.128
Temp**1	0.02399	4.302E-06
Temp**2	-0.000384	-1.071E-07
Temp**3	3.061E-06	1.025E-09
Temp**4	-8.516E-09	-3.602E-12

GPITF_ELEC_COEFF6 GPIT-F Electronic Coeff 6 (Master)		
	Data**0	Data**1
Temp**0	-0.4945	0.128
Temp**1	0.02399	4.302E-06
Temp**2	-0.000384	-1.071E-07
Temp**3	3.061E-06	1.025E-09
Temp**4	-8.516E-09	-3.602E-12

Company:	Omimex Petroleum Inc	Schlumberger
Well:	Denney State 5-36-7-45	
Field:	Holyoke South	
County:	Phillips	
State:	Colorado	
Platform Express		
Triple Combo		
Linear		