



Company: Wavetech Helium Inc

Well: 1 Wavetech Harker Family 31-22

Field: Harker Ranch

County: Cheyenne State: Colorado

Platform Express

Triple Combo

County: Cheyenne  
Field: Harker Ranch  
Location: 789 FNL 2206 FEL  
Well: 1 Wavetech Harker Family 31-22  
Company: Wavetech Helium Inc

789 FNL 2206 FEL NWNE 22 12S43W 6	Elev.: K.B. 4133.00 ft G.L. 4120.00 ft D.F. 4133.00 ft
Permanent Datum: Log Measured From: Drilling Measured From:	Ground Level Kelly Bushing Kelly Bushing
API Serial No. 05-017-07821	Section: 22 Township: 12S Range: 43W

Logging Date 11-Jul-2024

Run Number Run 1

Depth Driller 5438.00 ft

Schlumberger Depth 5426.50 ft

Bottom Log Interval 5426.50 ft

Top Log Interval 566.00 ft

Casing Driller Size @ Depth 8.625 in @ 566.00 ft

Casing Schlumberger 566 ft

Bit Size 7.875 in

Type Fluid In Hole Water

Density 9.1 lbm/gal 48 s

Fluid Loss PH 6.2 cm3 11

MUD Source of Sample Active Tank

RM @ Meas Temp 0.98 ohm.m @ 77 degF

RMF @ Meas Temp 0.78 ohm.m @ 77 degF

RMC @ Meas Temp 1.17 ohm.m @ 77 degF

Source RMF RMC Calculated

RM @ BHT RMF @ BHT 0.53 @ 146 0.43 @ 146

Max Recorded Temperatures 146 degF

Circulation Stopped 13-Jul-2024 04:00:00

Logger on Bottom 13-Jul-2024 10:50:00

Unit Number Location: OSLC-HA9111 Fort Morgan

Recorded By M. Thai

Witnessed By Jim Weir

Disclaimer

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10. Run 1 10" HiRes Triple Combo TD - 5100ft

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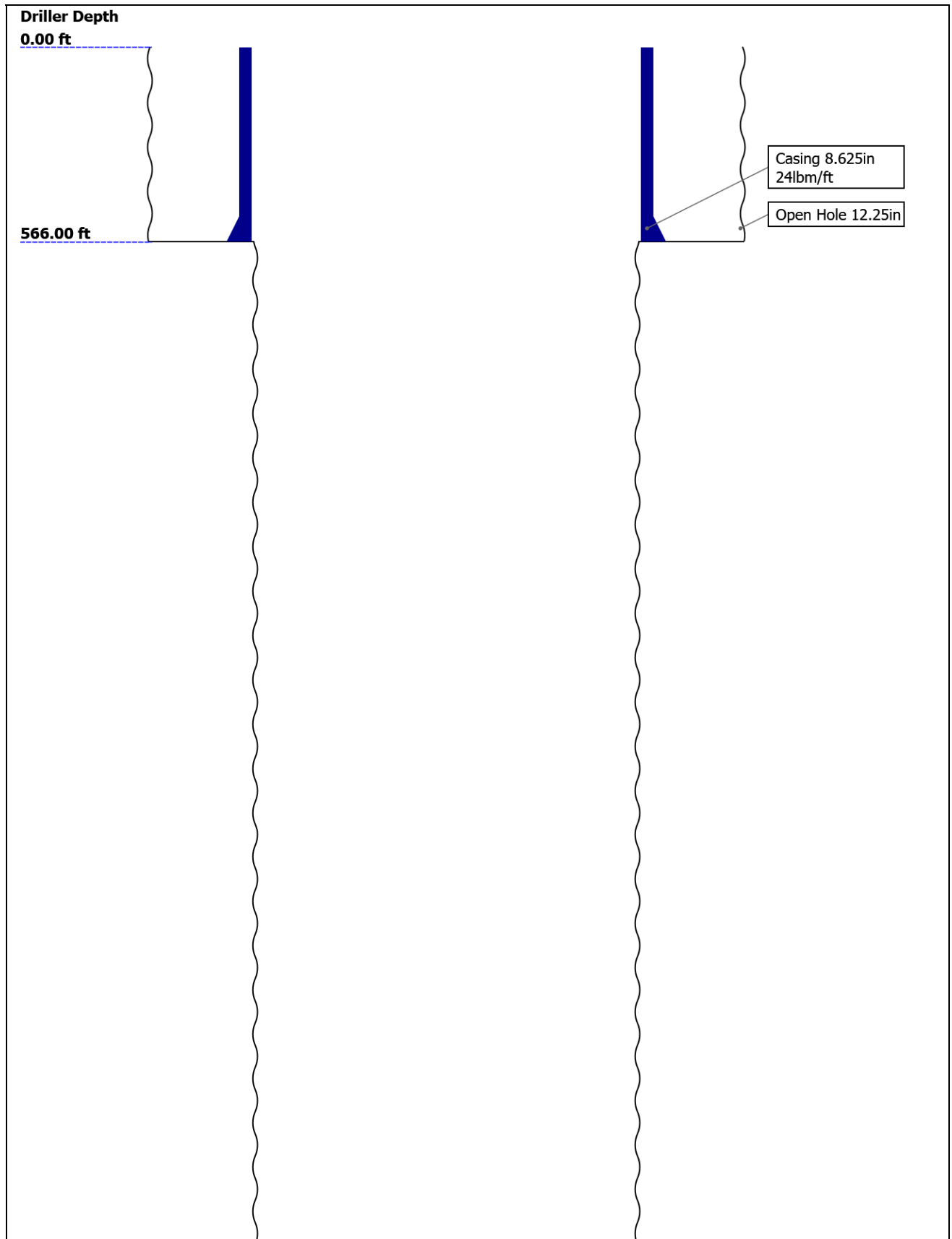
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12. Calibration Report

13. Tail

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10.3	Composite Summary
10.4	Log ( 10in TripleCombo HiRes )
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11.	Run 1 10" HiRes Triple Combo 4350 - 4150 ft
11.1	Integration Summary
11.2	Software Version

## Well Sketch





## Borehole Size/Casing/Tubing Record

Bit						
Bit Size ( in )	12.25	7.875				
Top Driller ( ft )	0	566				
Top Logger ( ft )	0	566				
Bottom Driller ( ft )	566	5438				
Bottom Logger ( ft )	566	5426.5				
Casing						
Size ( in )	8.625					
Weight ( lbm/ft )	24					
Inner Diameter ( in )	8.097					
Grade	J55					
Top Driller ( ft )	0					
Top Logger ( ft )	0					
Bottom Driller ( ft )	566					
Bottom Logger ( ft )	566					

## Borehole Fluids

Parameter( unit )	Run 1					
Fluid Type	Water					
Max Recorded Temperatures ( degF )	146					
Source of Sample	Active Tank					
Salinity ( ppm )	600					
Density ( lbm/gal )	9.1					
Funnel Viscosity ( s )	48					
Fluid Loss ( cm3 )	6.2					
PH	11					
Date/Time Circulation Stopped	13-Jul-2024 04:00:00					
Date Logger on Bottom	13-Jul-2024					
Time Logger on Bottom	10:50:00					
Source RMF	Calculated					
RMC	Calculated					
RM @ Meas Temp ( ohm.m@degF )	0.98 @ 77					
RMF @ Meas Temp ( ohm.m@degF )	0.78 @ 77					
RMC @ Meas Temp ( ohm.m@degF )	1.17 @ 77					

RM @ BHT ( ohm.m@degF )	0.53 @ 146					
RMF @ BHT ( ohm.m@degF )	0.43 @ 146					
RMC @ BHT ( ohm.m@degF )	0.64 @ 146					
Total Solid ( % )	5.7					
High Gravity Solids ( % )						
Remarks and Equipment Summary						
Run 1: Toolstring				Run 1: Remarks		
Equip name	Length	MP name	Offset	Thank you for choosing Schlumberger!		
LEH-QT:220	51.64			Log run for formation evaluation		
4				WBM in hole@9.1 ppg		
LEH-QT:2204				TD@ 5426.5 ft CS@ 566 ft		
EDTC-B:894	48.15			Main pass was logged with Standard resolution		
1				HiRes was logged from TD to 5100 ft and from 4350 to 4150ft		
EDTH-B:8609				AIT was run with 0.5 in standoff		
EDTG-A				Crew: Renito Graham, Rico Burlingame		
EDTC-B:8941				Tool was run as per tool sketch		
				All logging intervals as per client request		
			</			



Lengths are in ft  
Maximum Outer Diameter = 4.770 in  
Line: Sensor Location, Value: Gating Offset  
All measurements are relative to TOOL\_ZERO

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[5]:Up	Up	505.34 ft	5434.03 ft	13-Jul-2024 12:32:54 PM	13-Jul-2024 1:57:55 PM	ON	1.30 ft	Yes

All depths are referenced to toolstring zero

Log

Company:Wavetech Helium Inc Well:1 Wavetech Harker Family 31-22

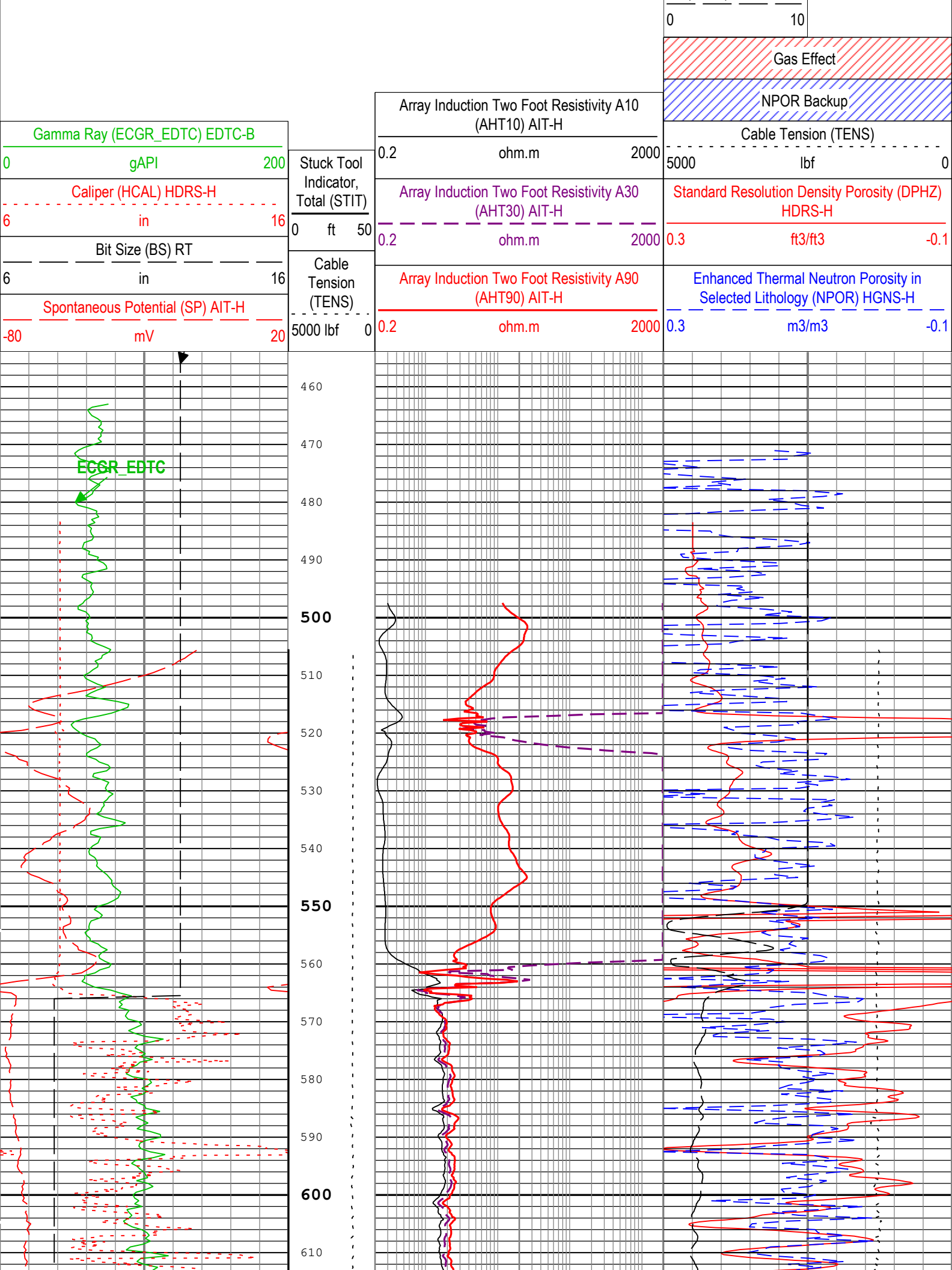
Run 1: Log[5]:Up:S008

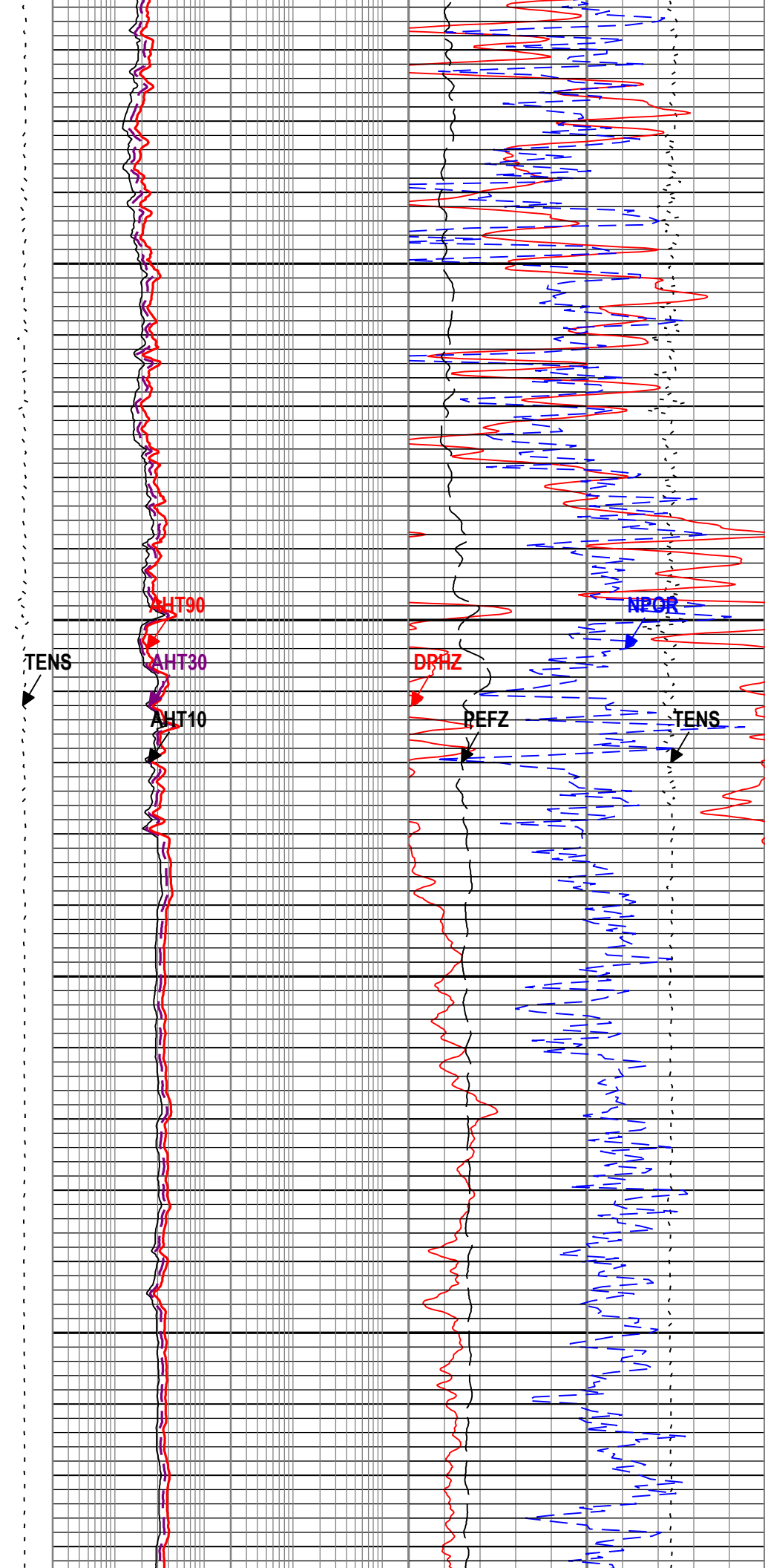
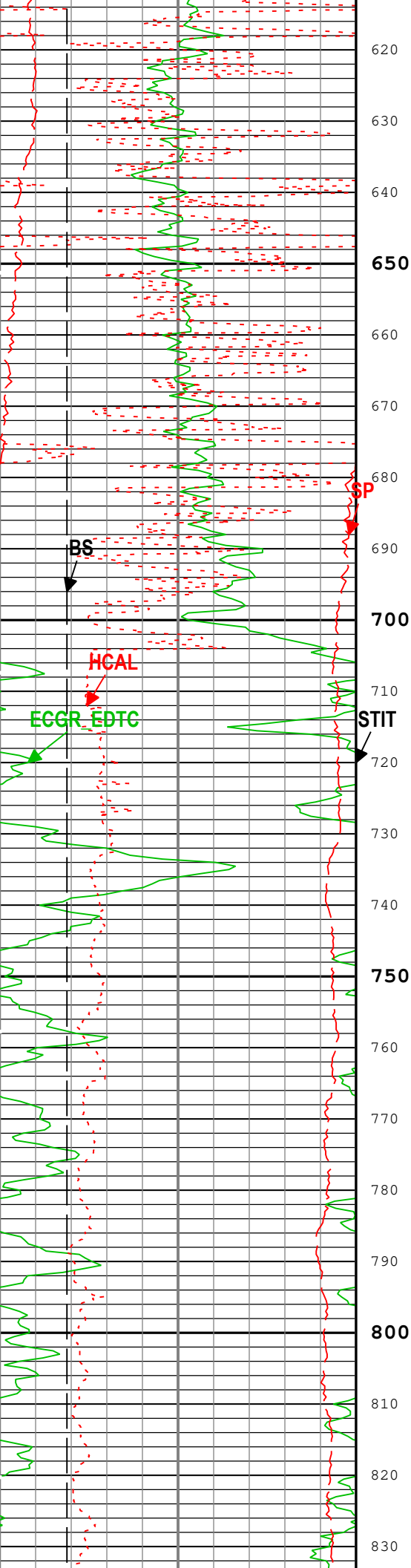
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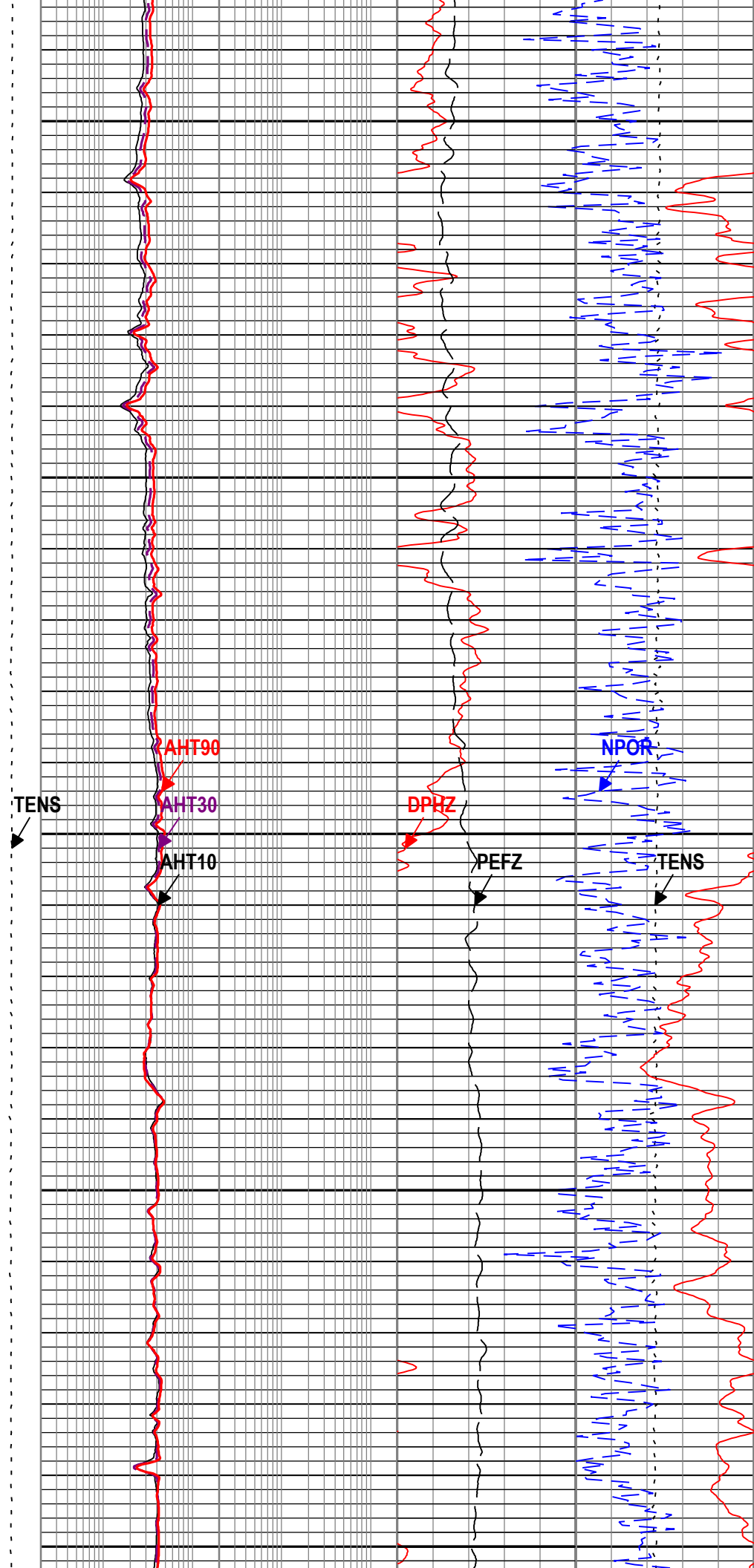
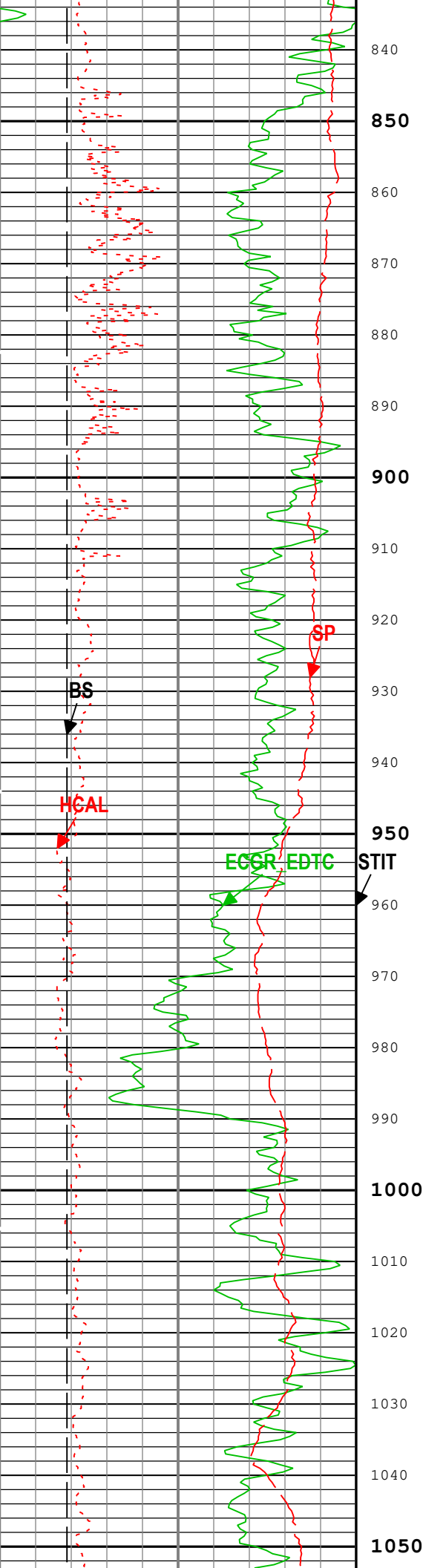
Channel	Source	Sampling
AT10	AIT-H:AHIS:AHIS	3in
AT30	AIT-H:AHIS:AHIS	3in
AT90	AIT-H:AHIS:AHIS	3in
BS	Borehole	6in - RT
CALI	HDRS-H:HRCC-H:HRCC-H	1in
DPHZ	HDRS-H:HRMS-H:HRGD-H	2in
GR	EDTC-B:EDTC-B:EDTC-B	6in
NPOR	HGNS-H:HGNS-H:HGNS-H	6in
PEFZ	HDRS-H:HRMS-H:HRGD-H	2in
SP	AIT-H:AHIS:AHIS	6in
STIT	DepthCorrection	6in
TENS	WLWorkflow	6in
TIME_1900	WLWorkflow	0.1in

TIME\_1900 - Time Marked every 60.00 (s)

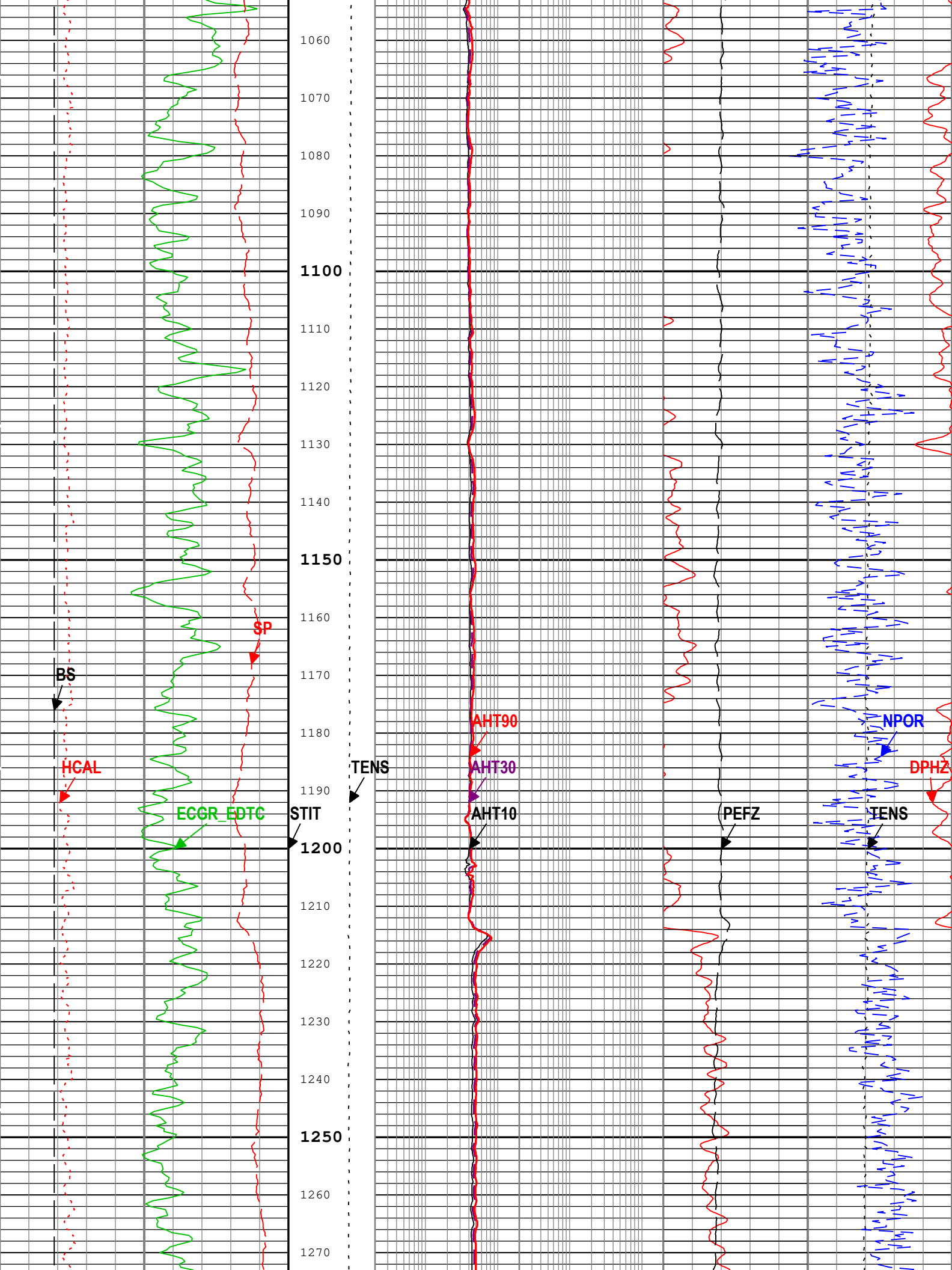
Standard Resolution  
Formation  
Photoelectric Factor  
(PEFZ) HDRS-H

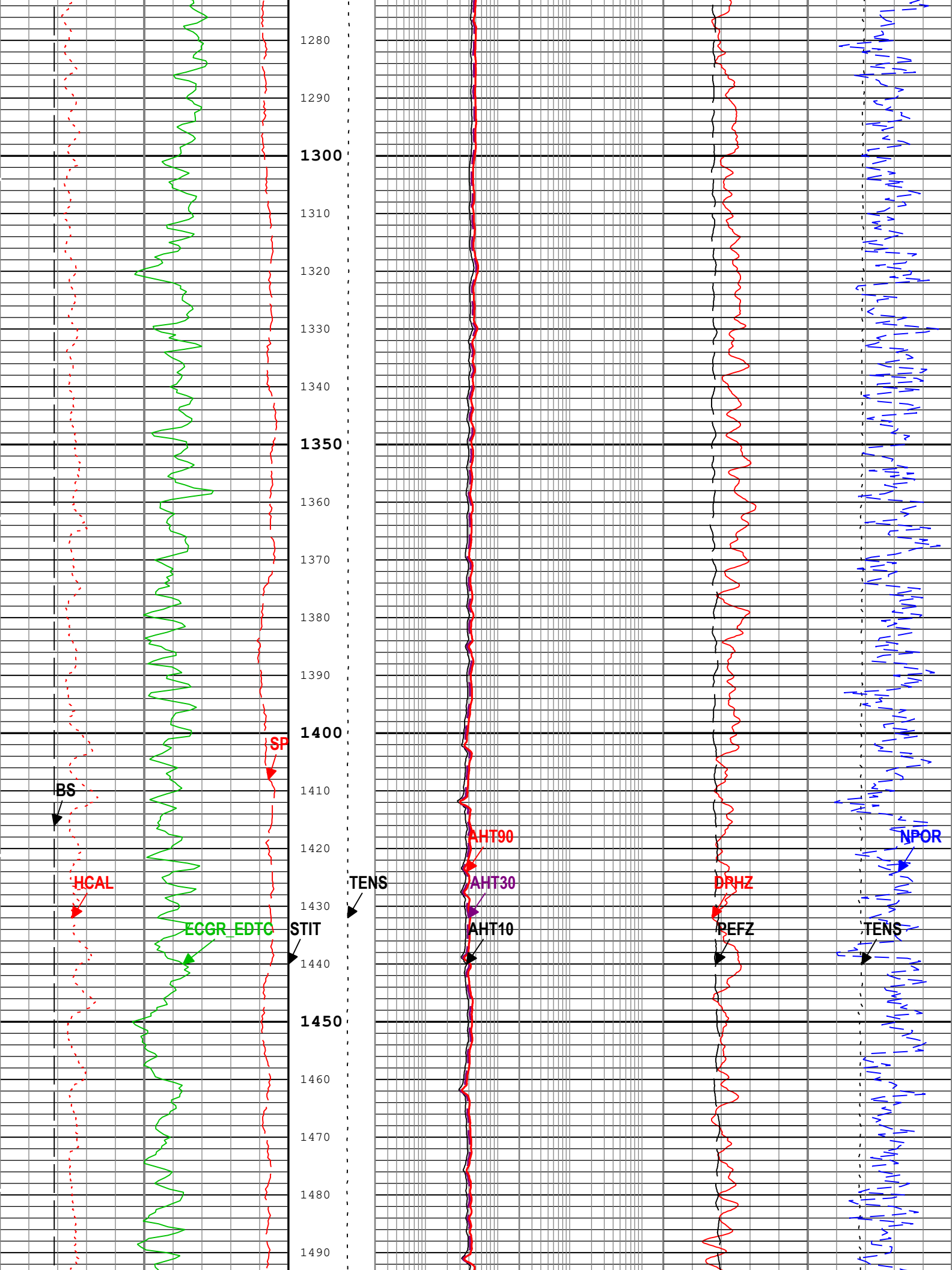


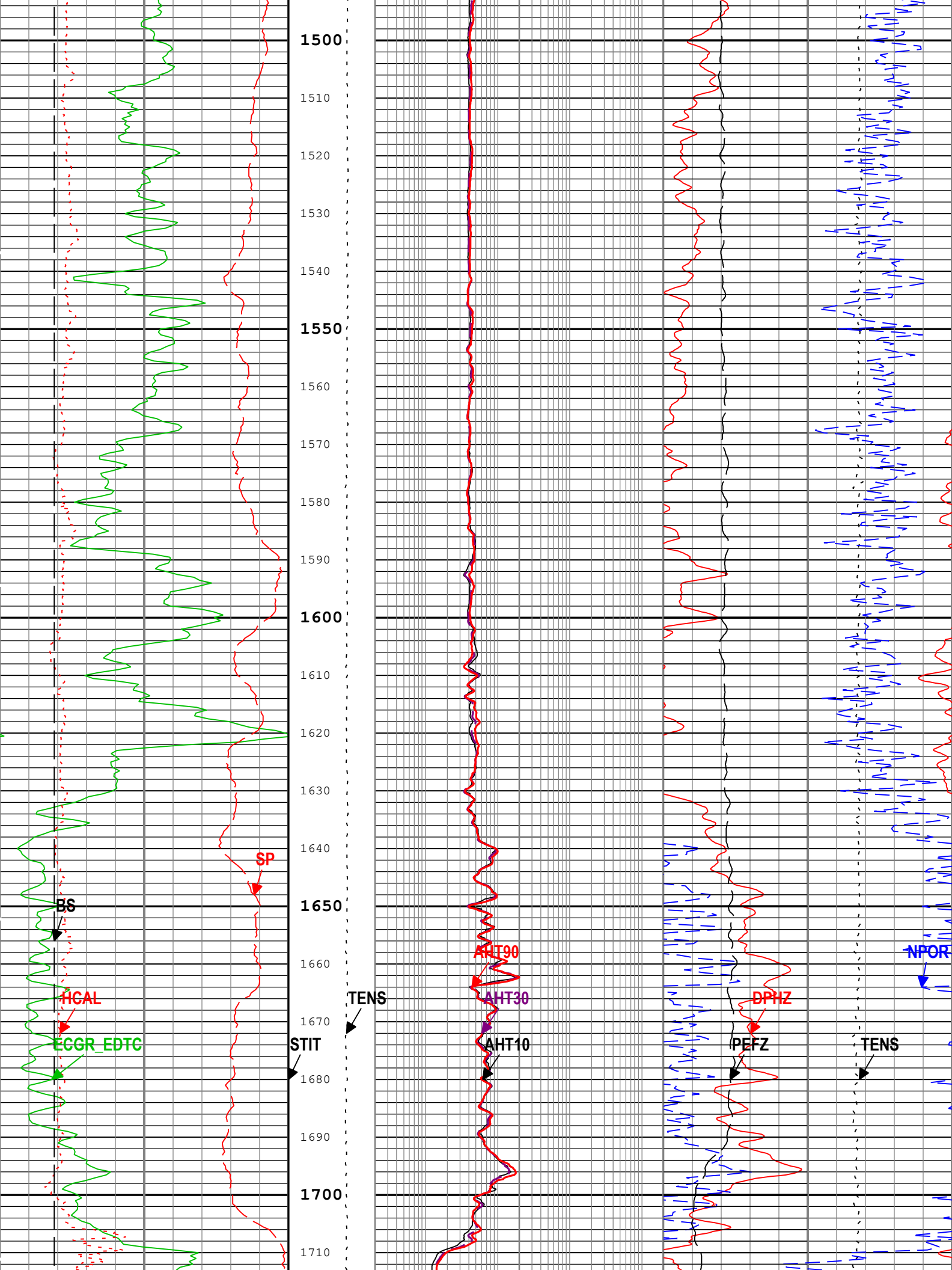


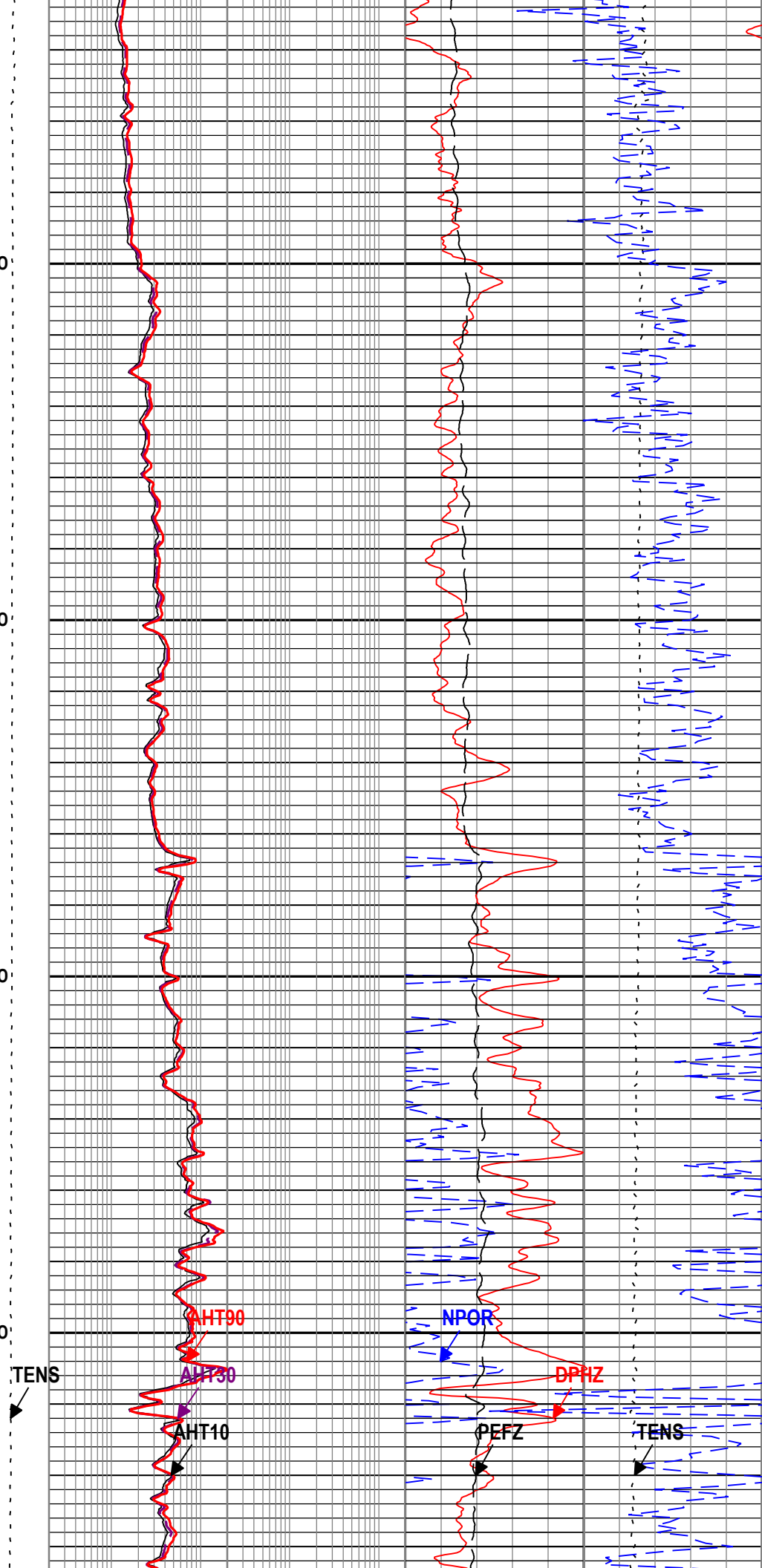
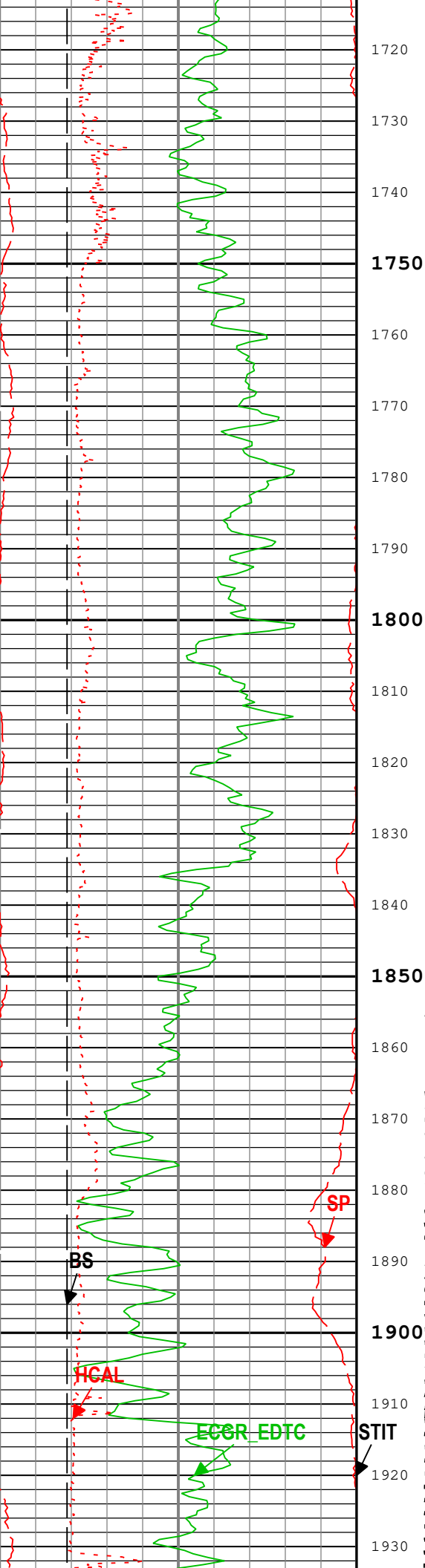


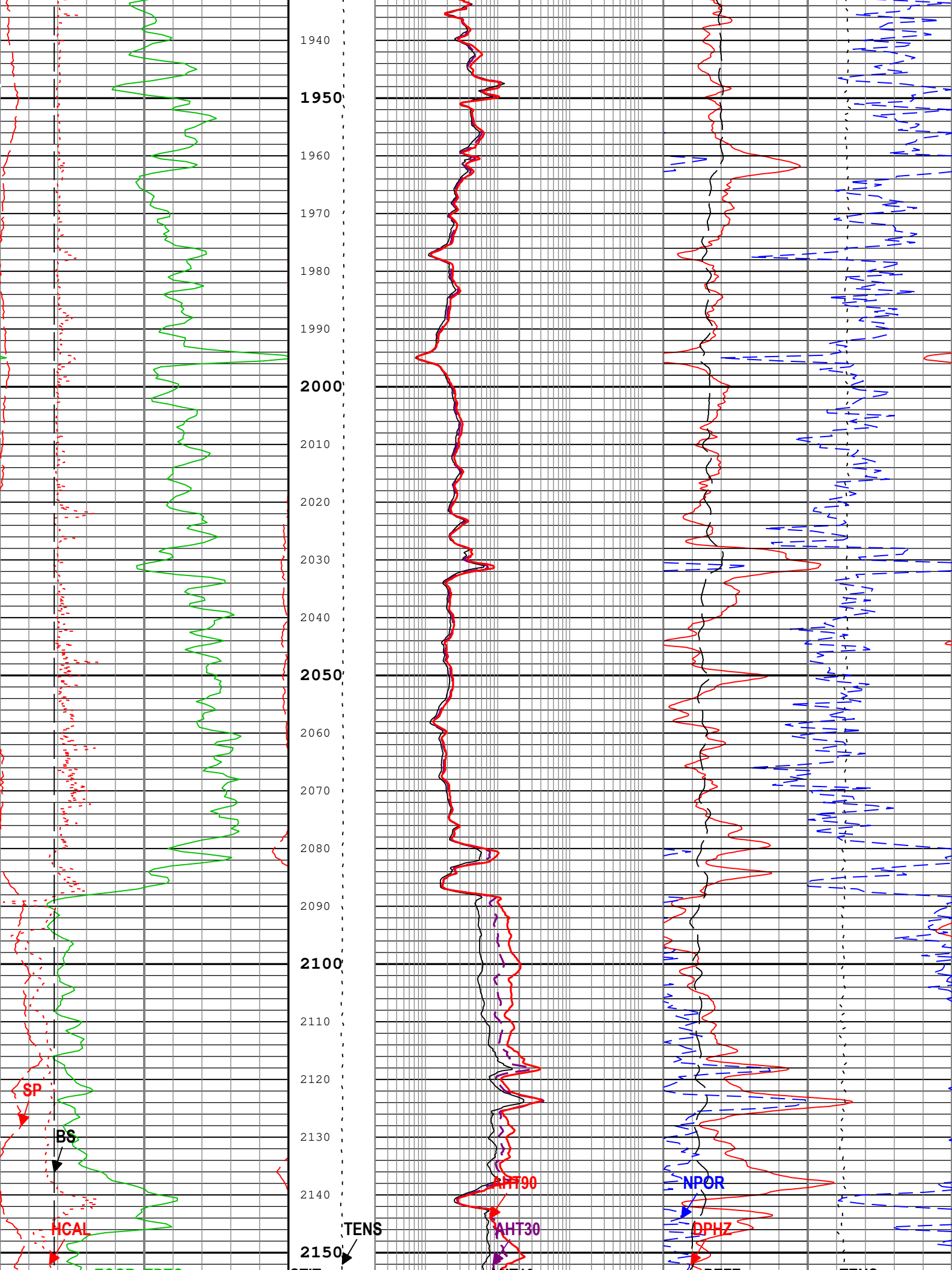


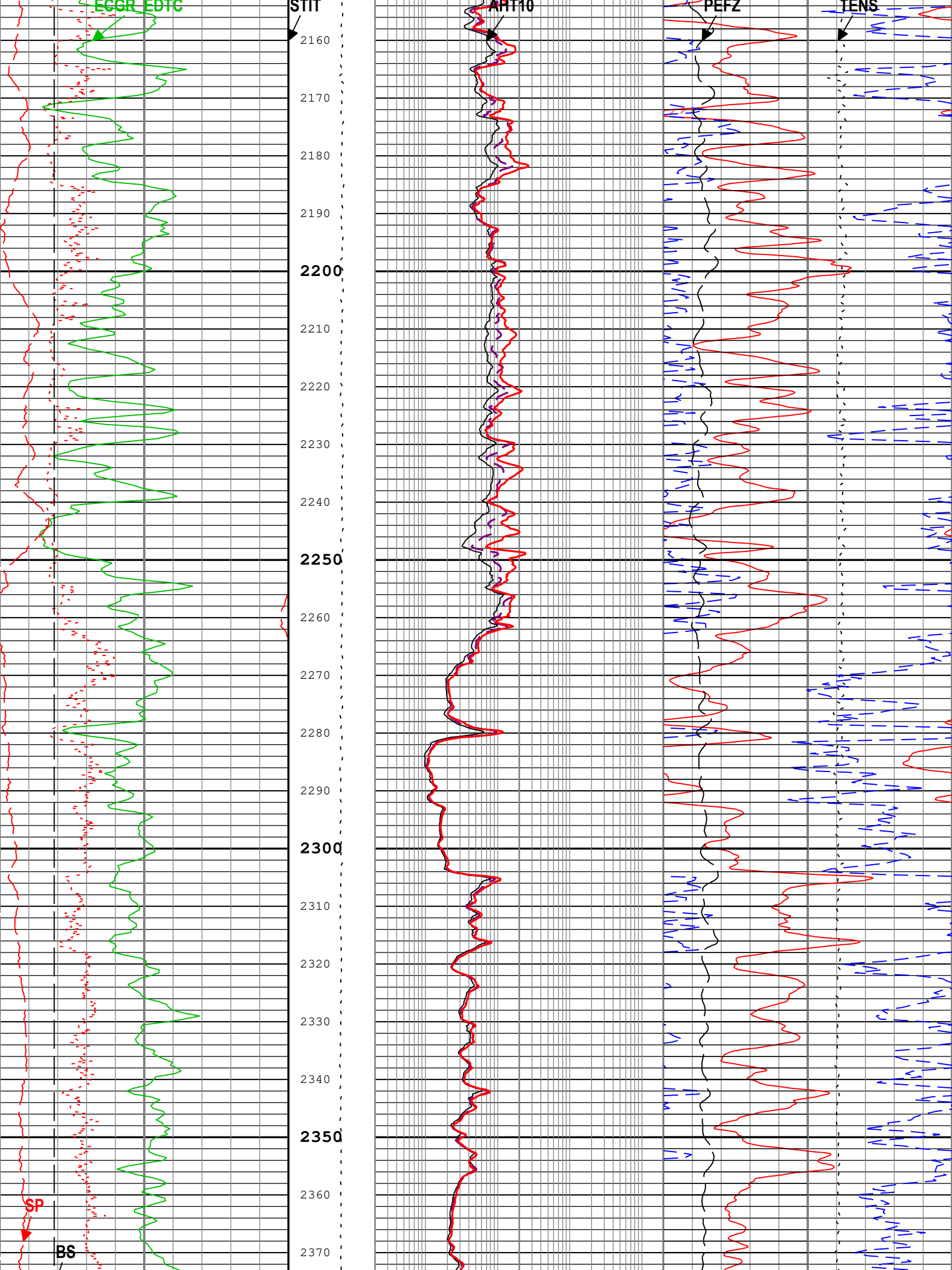


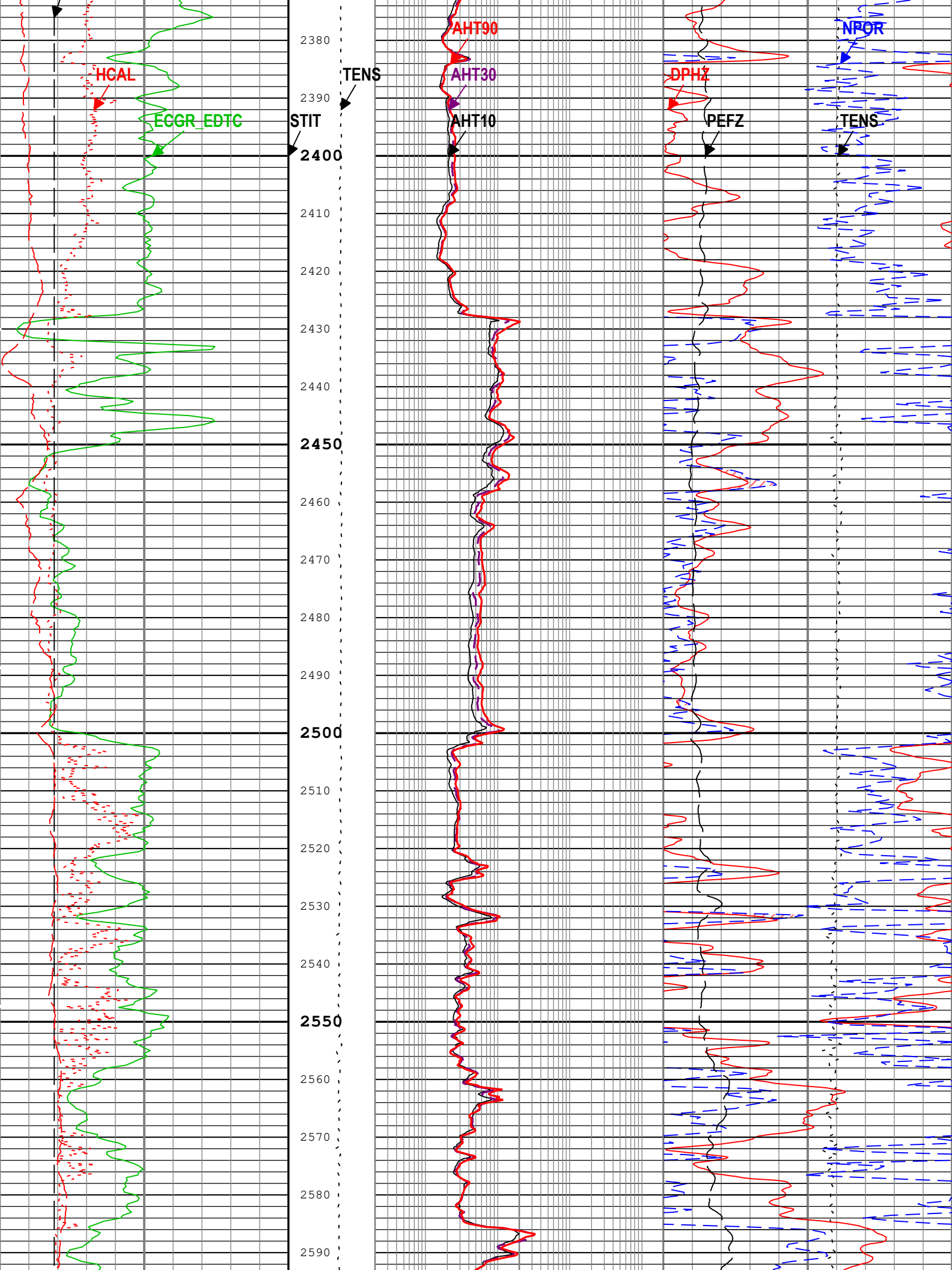


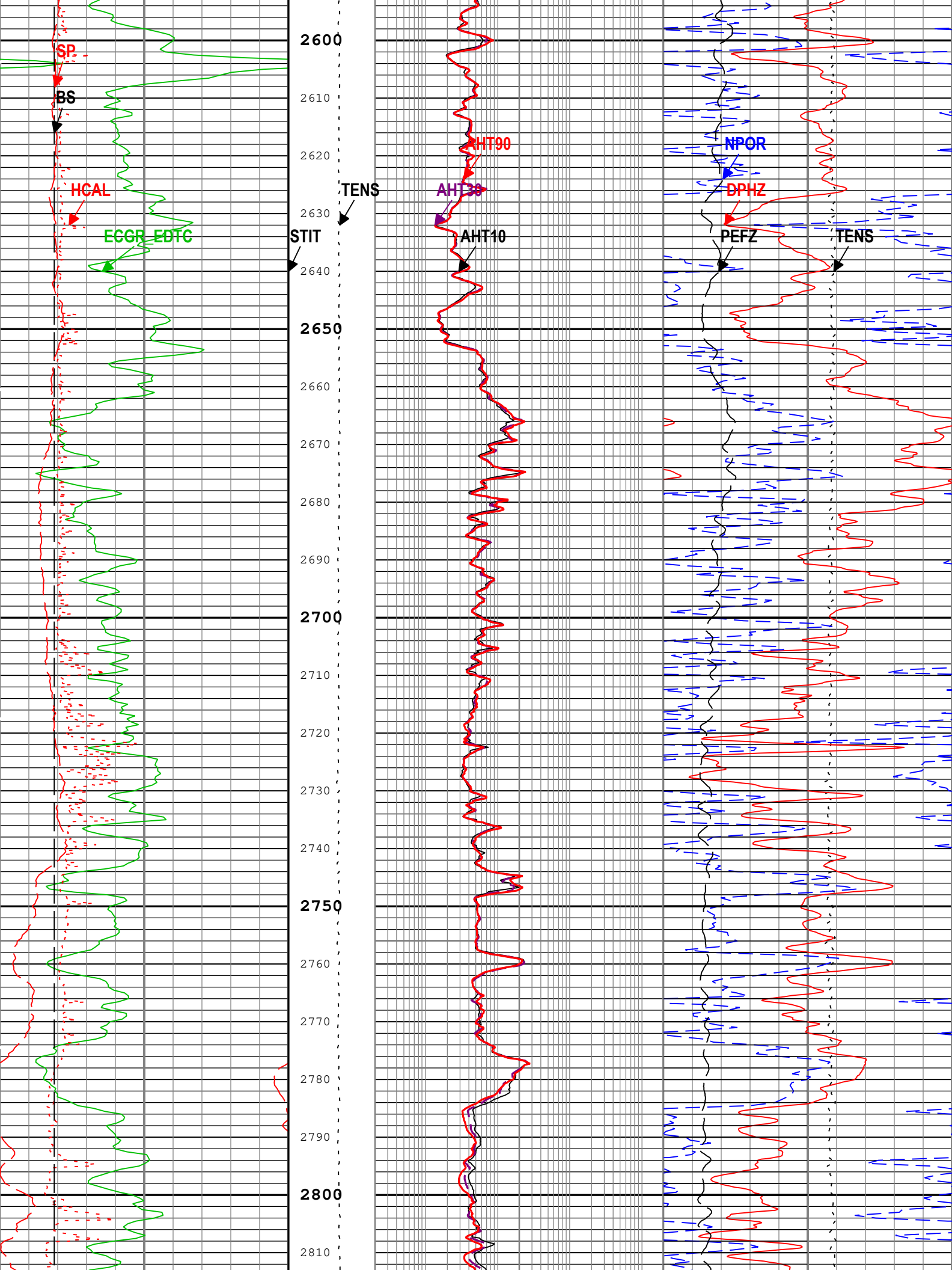




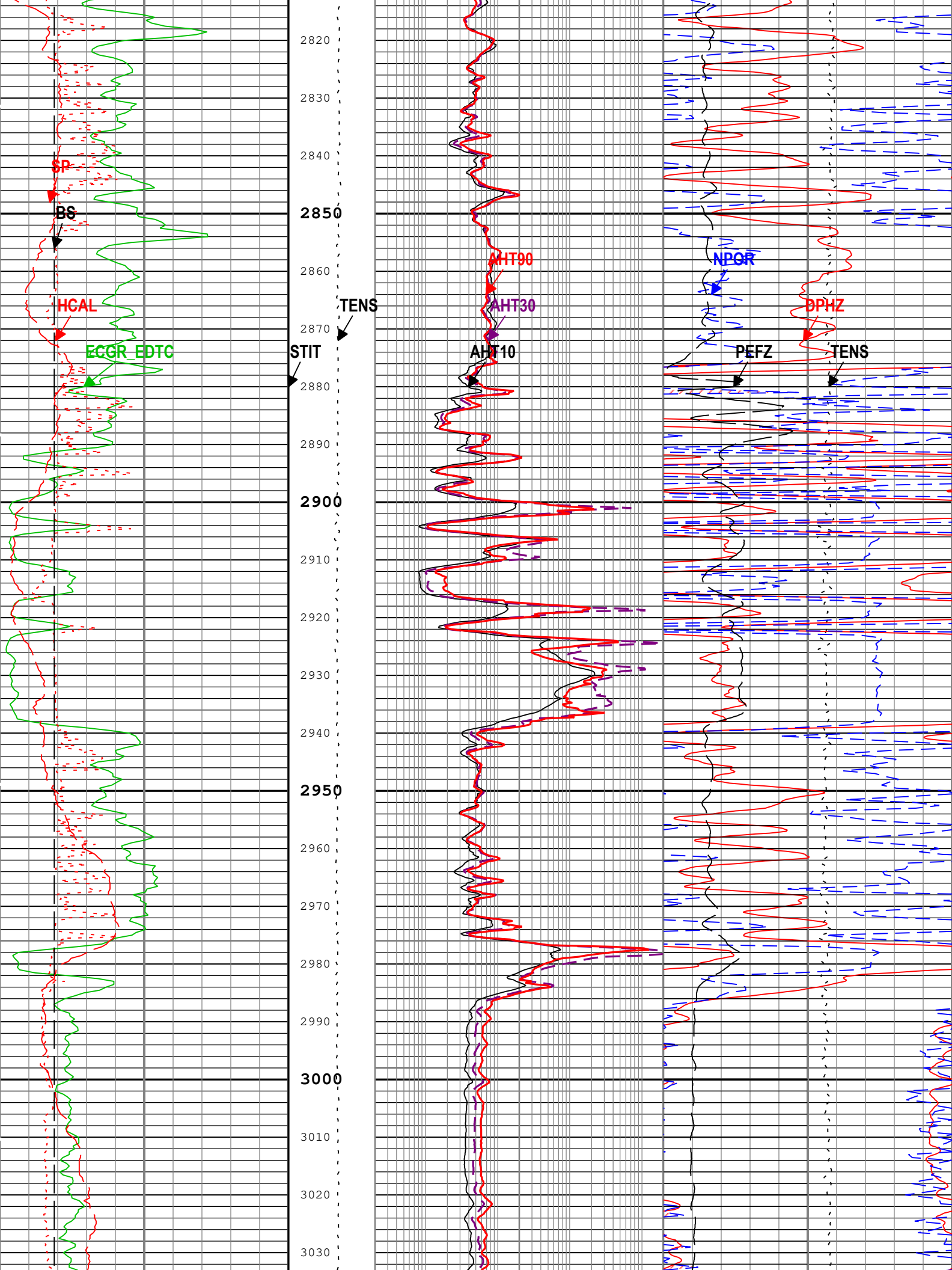


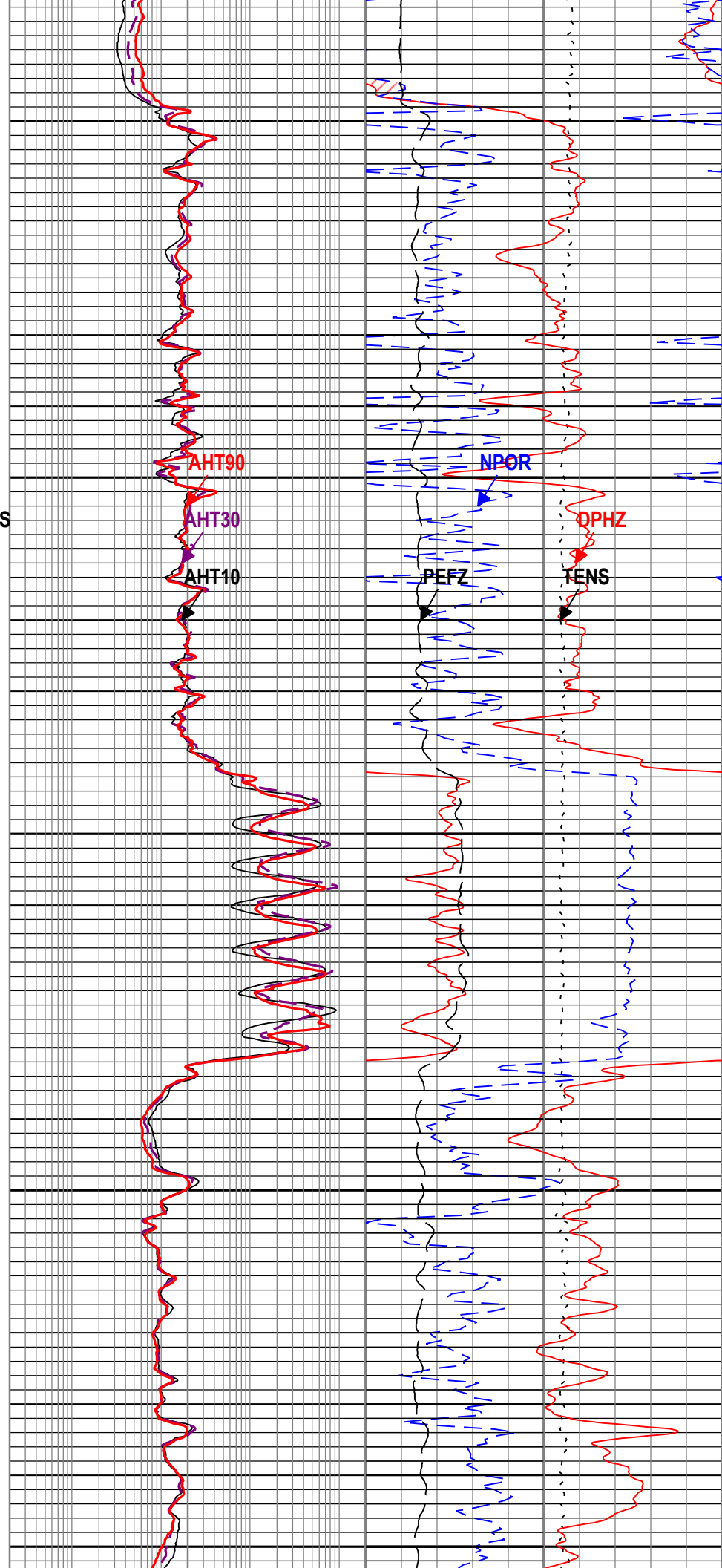
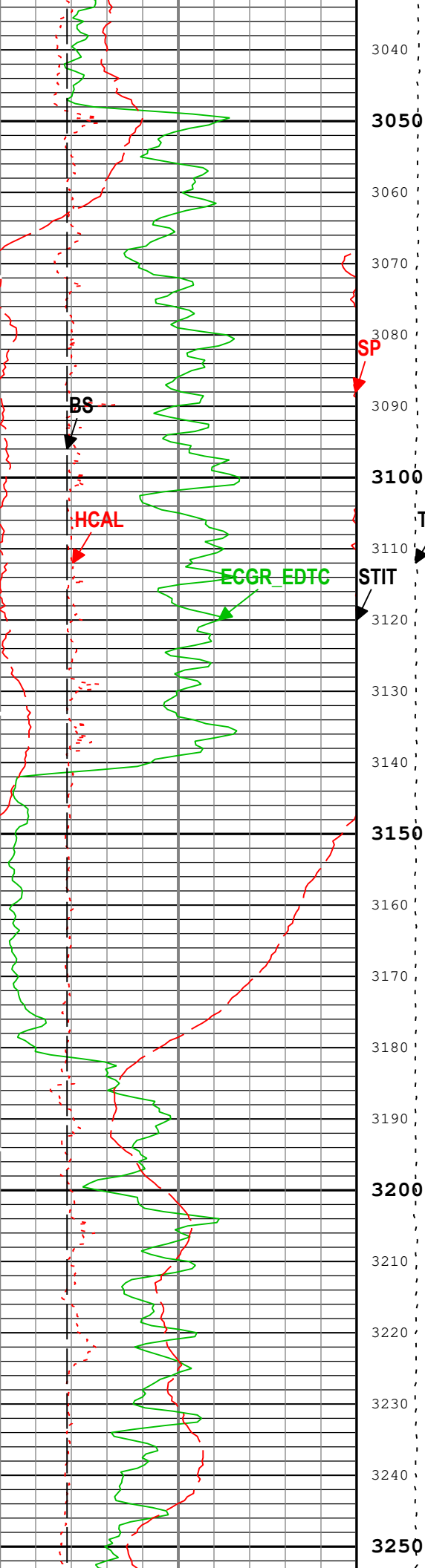


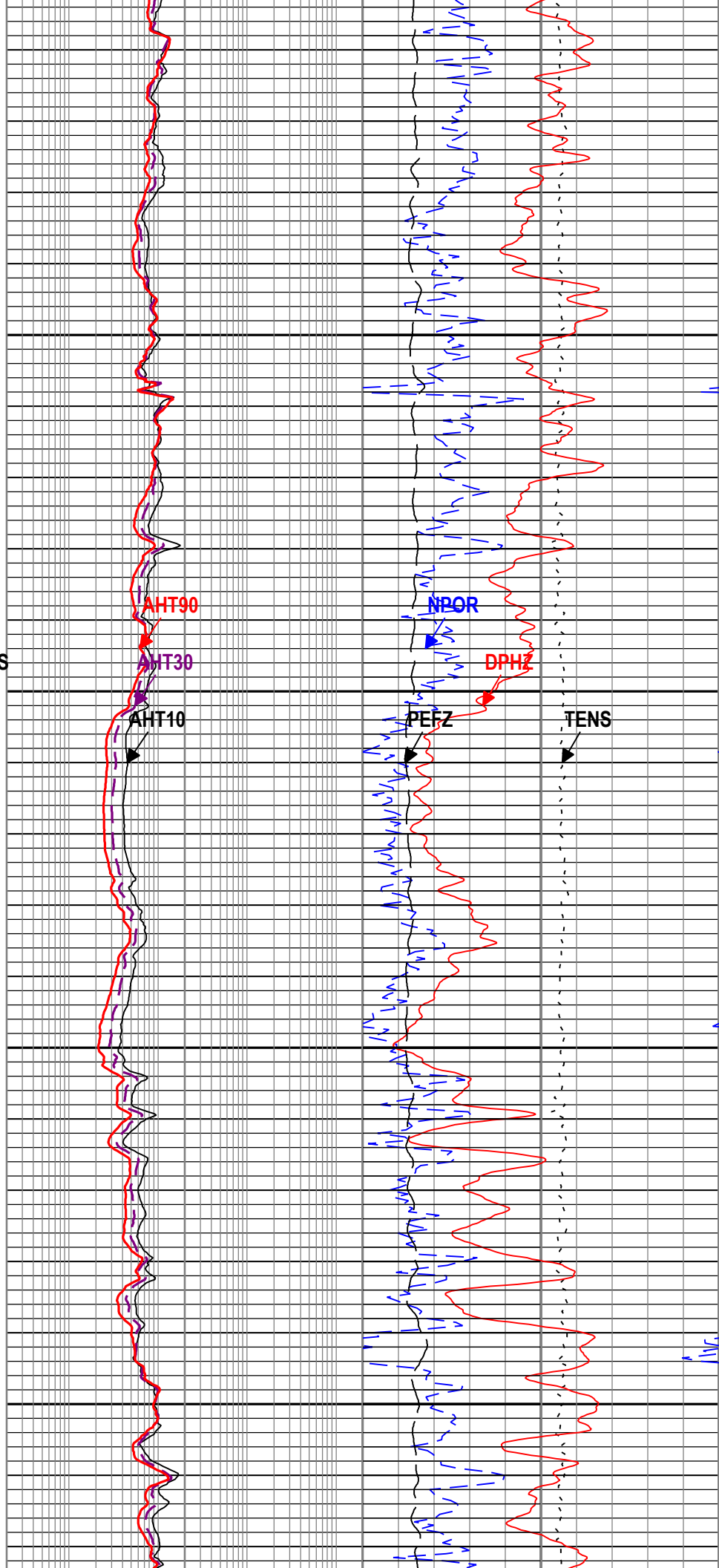
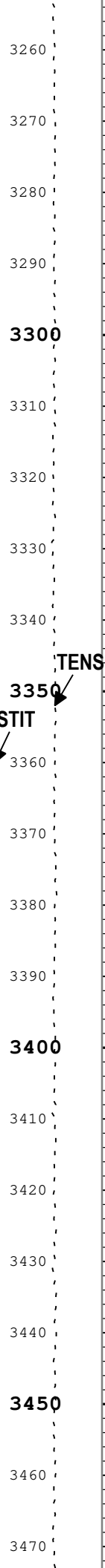
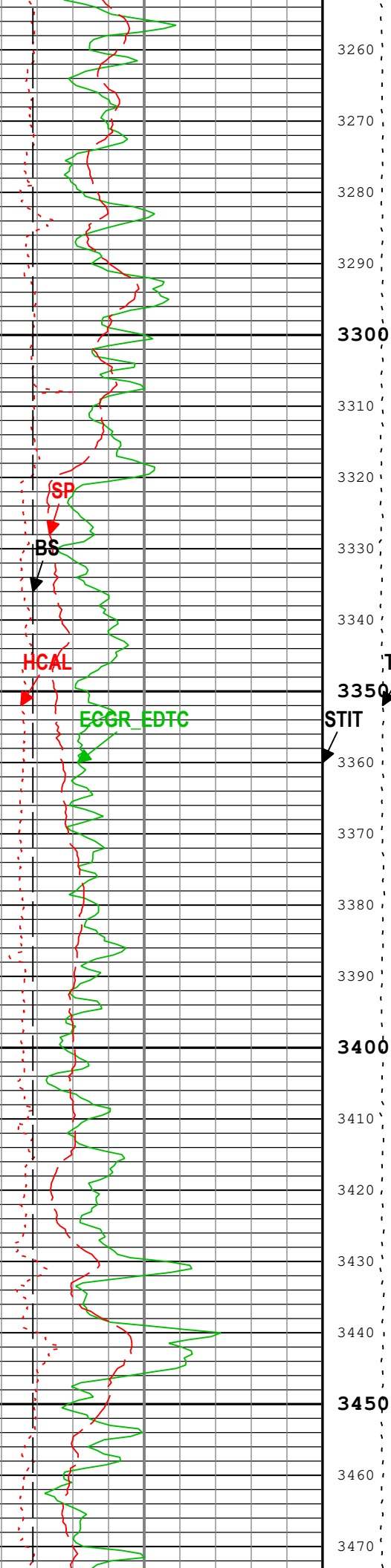


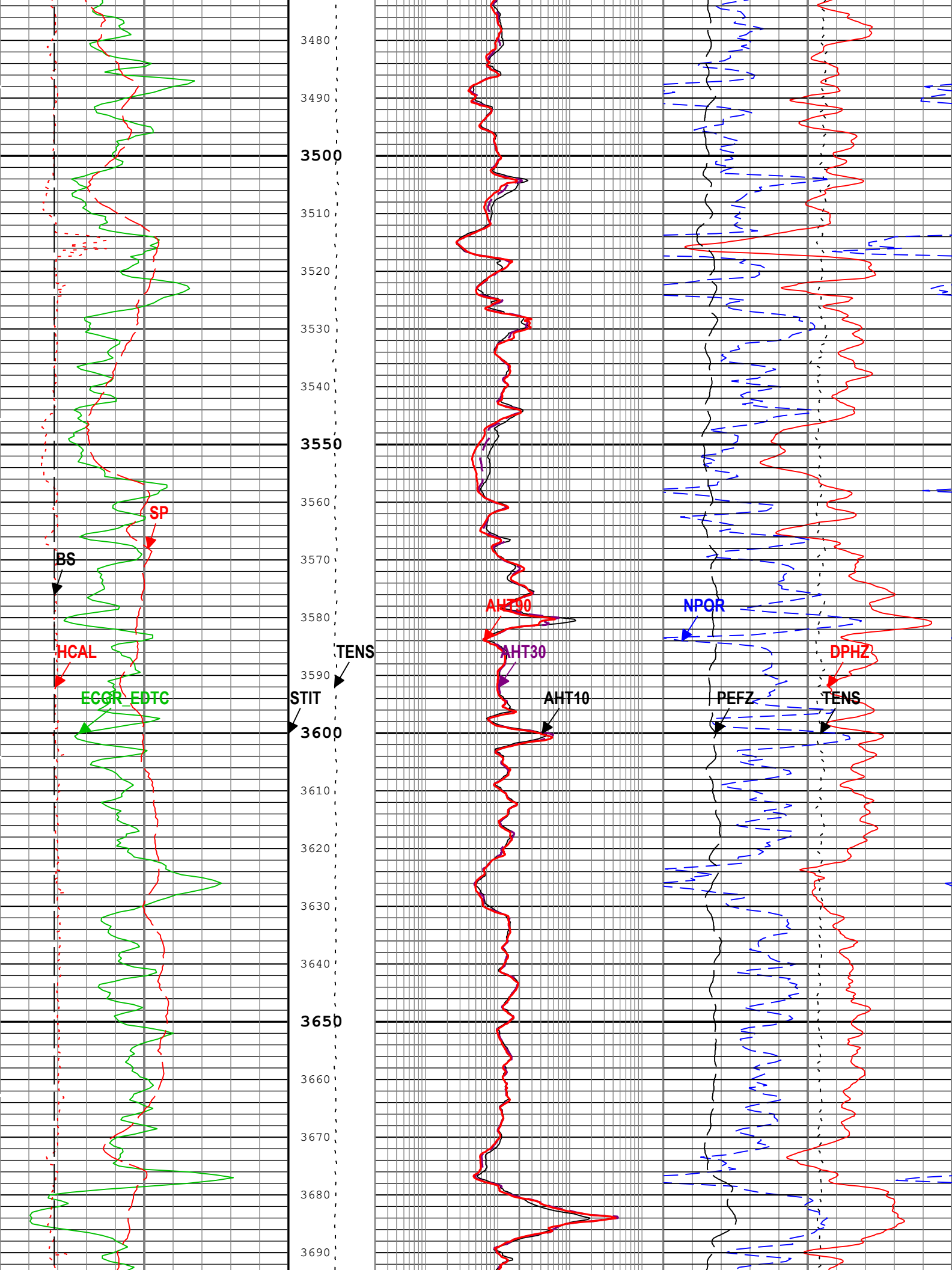


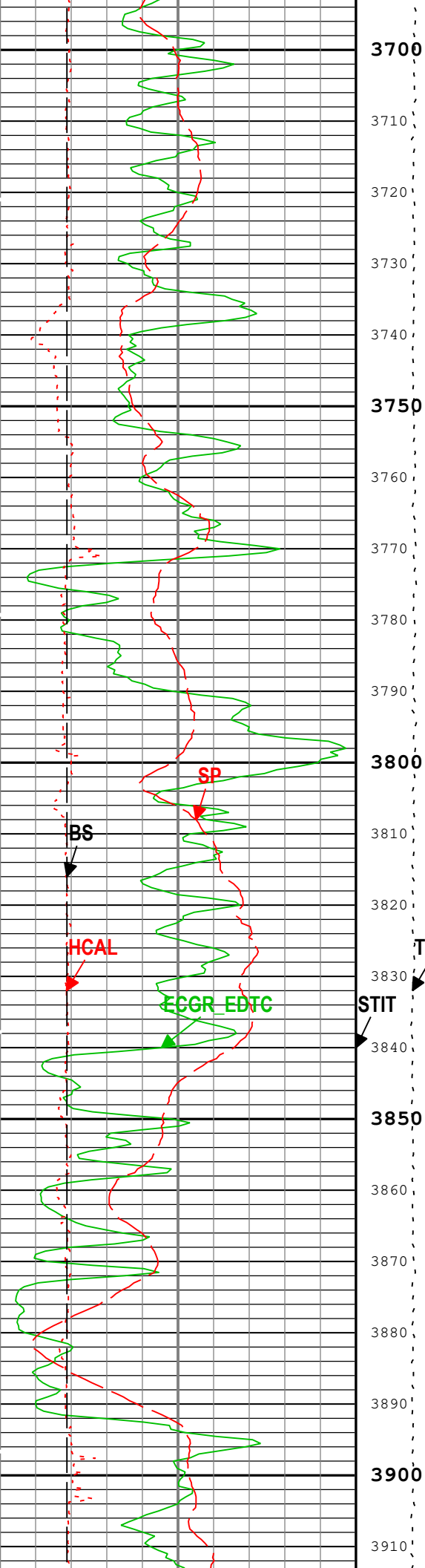












3700

3710

3720

3730

3740

3750

3760

3770

3780

3790

3800

3810

3820

3830

3840

3850

3860

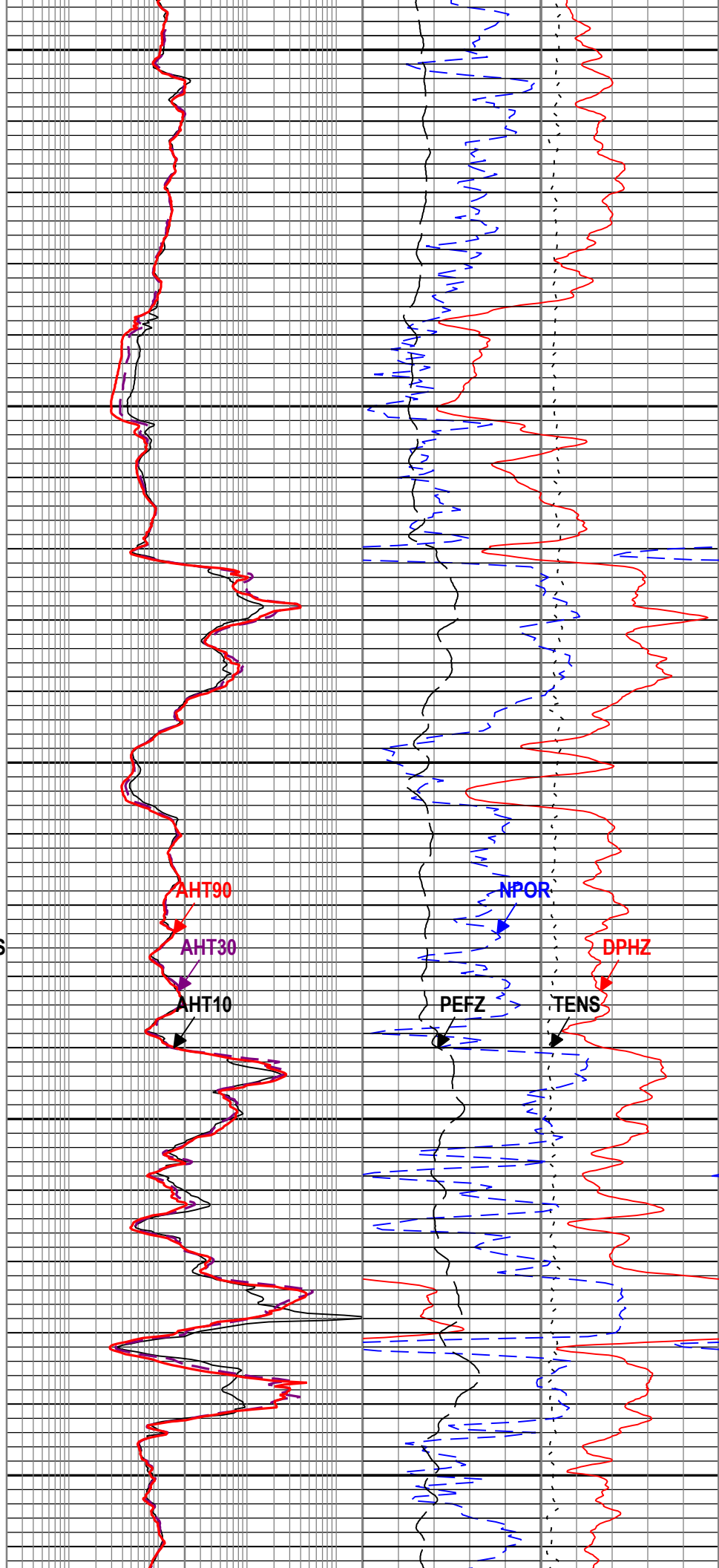
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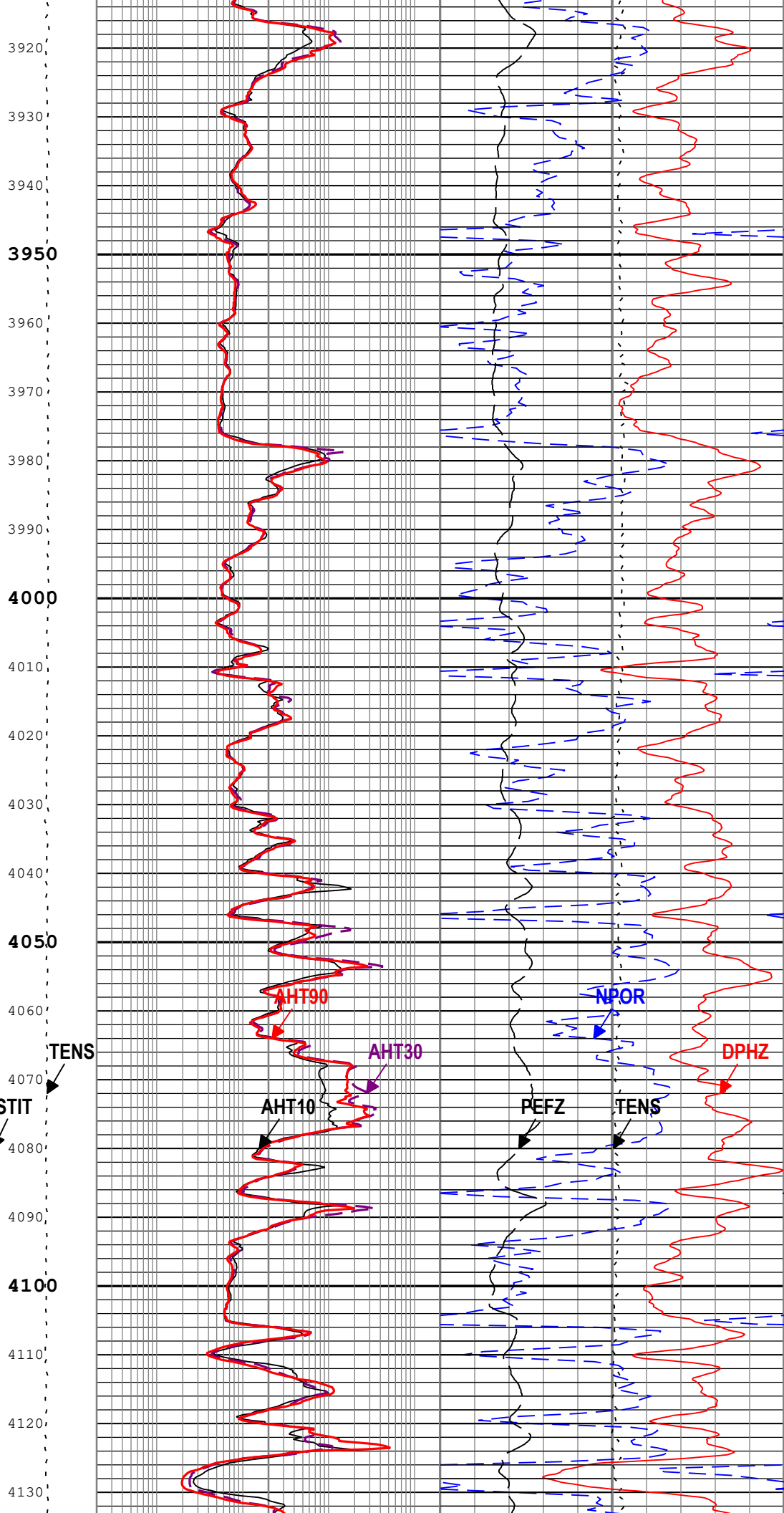
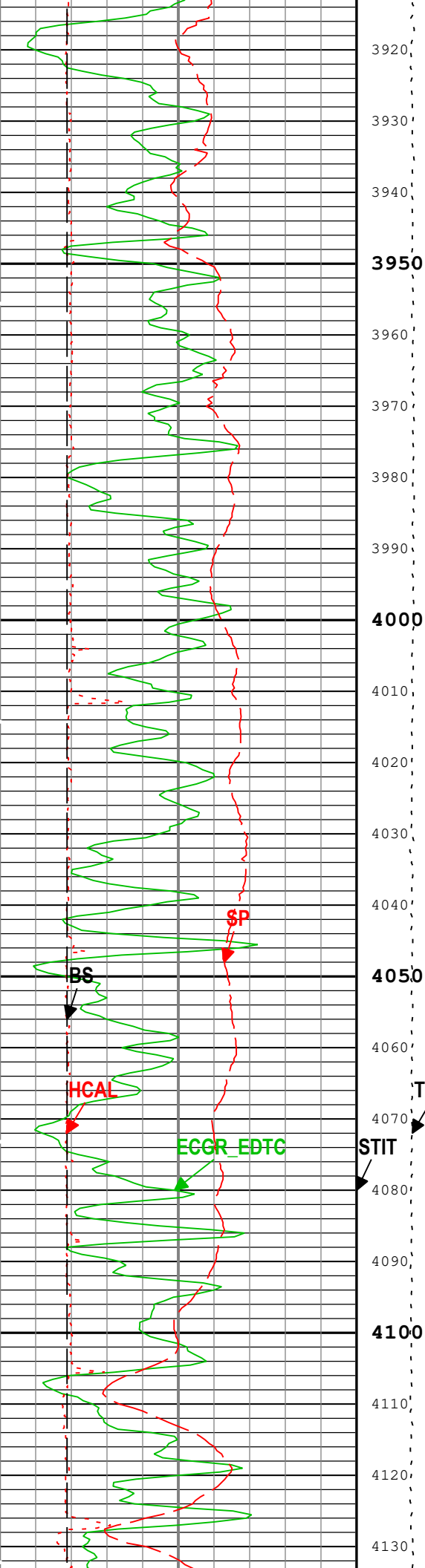
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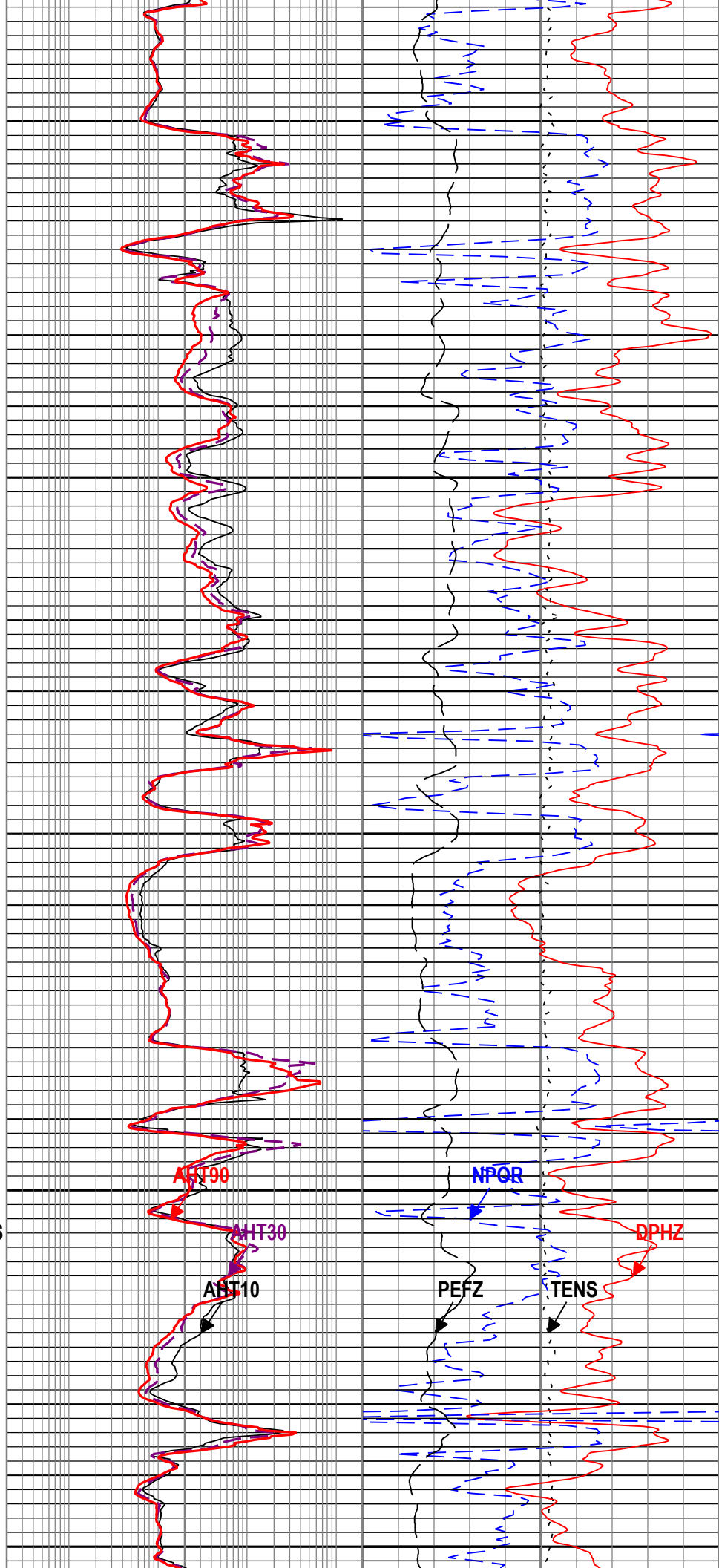
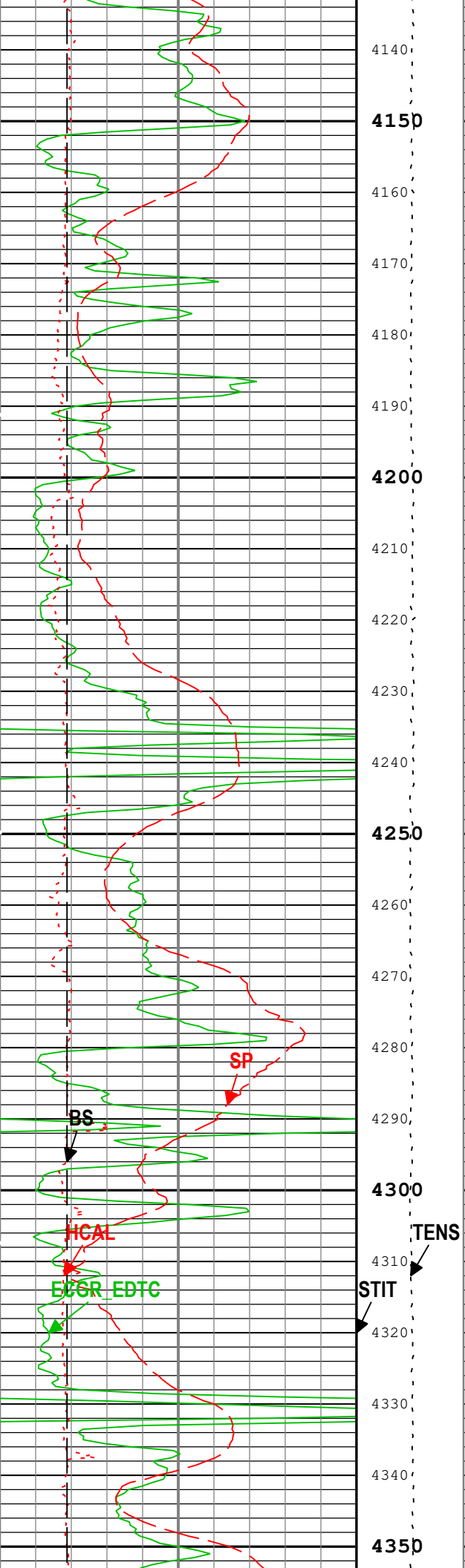
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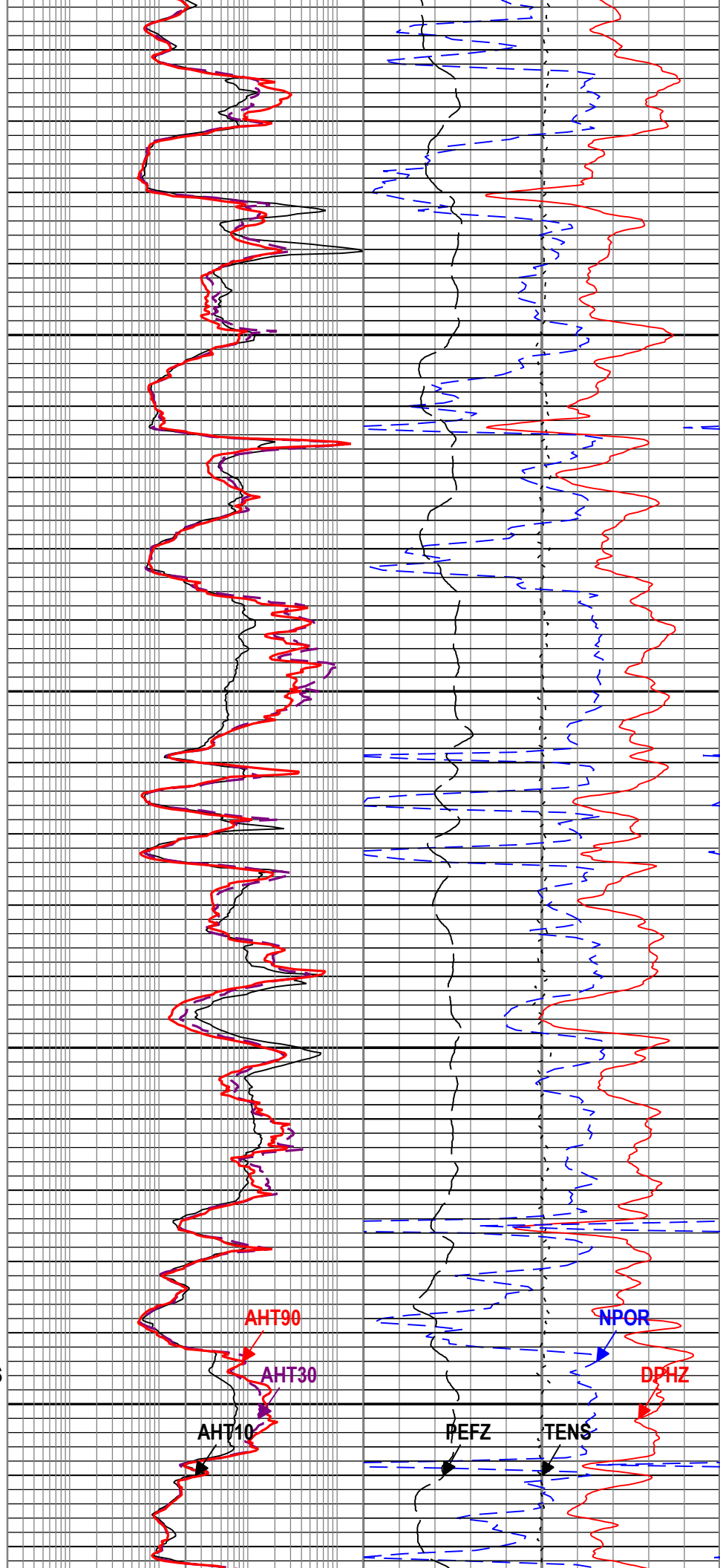
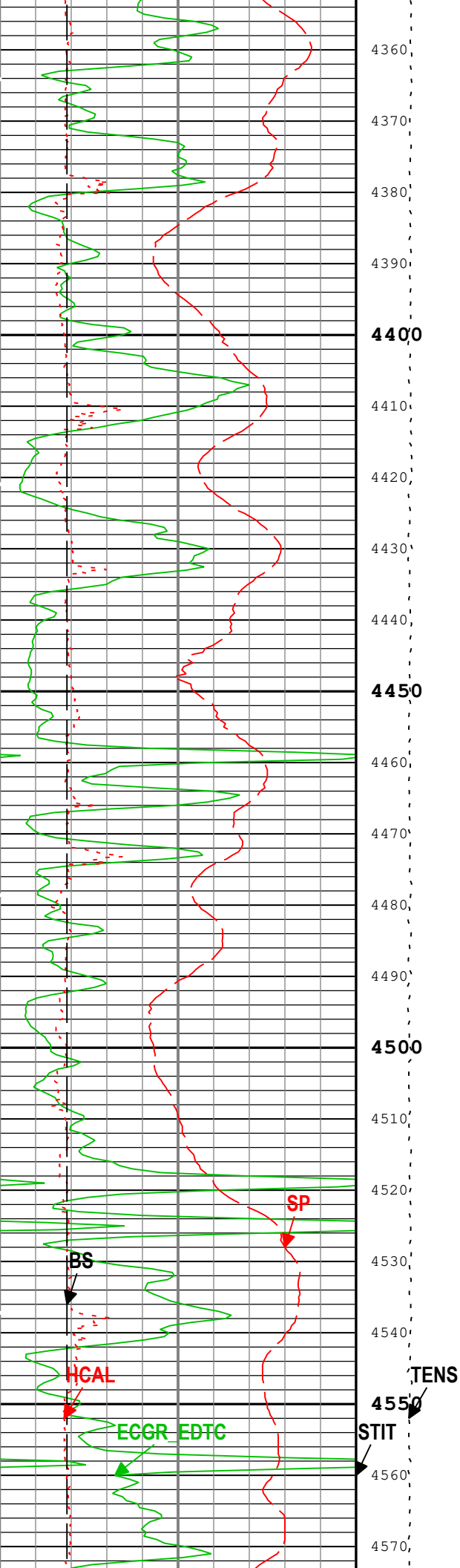
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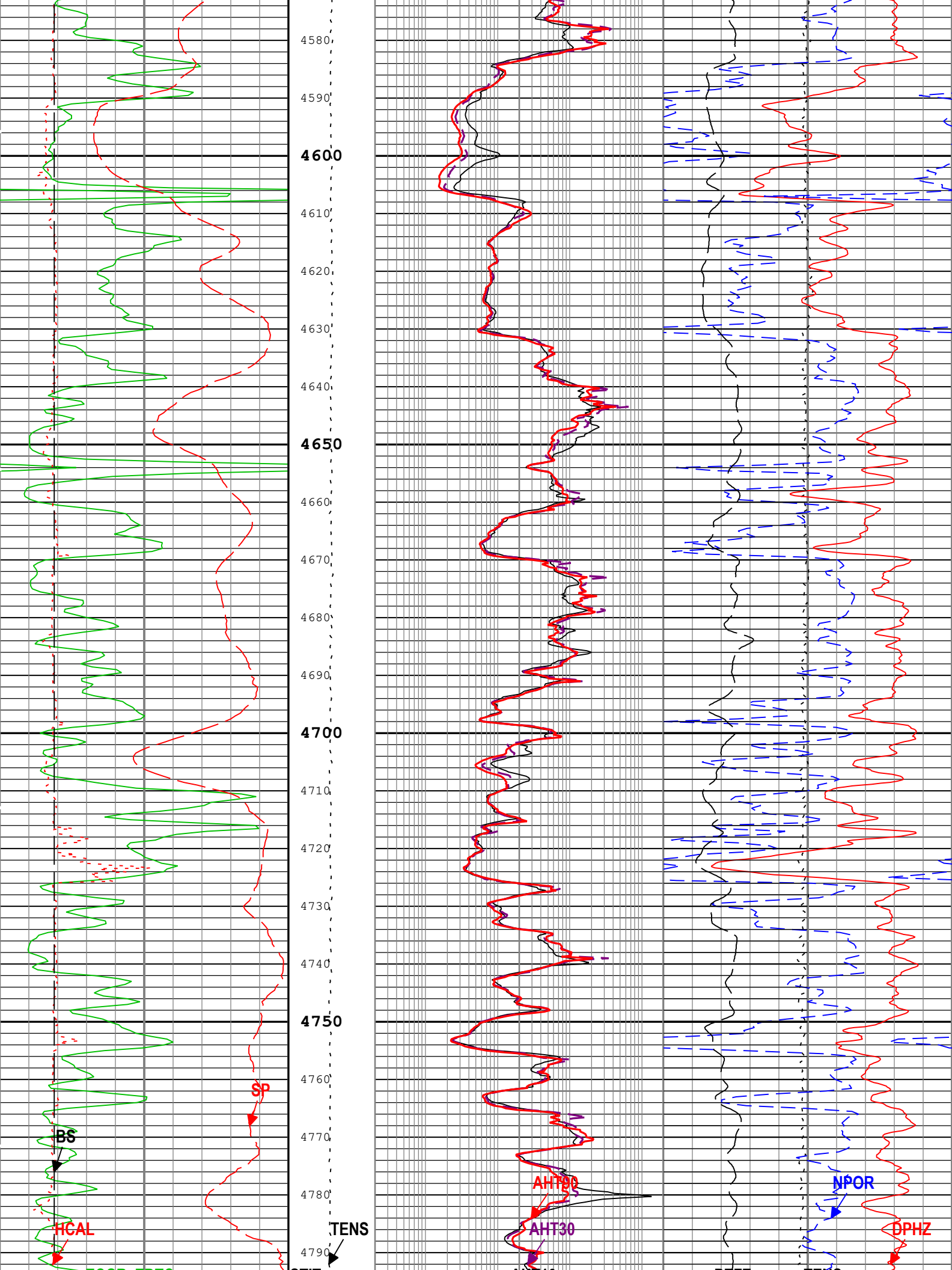


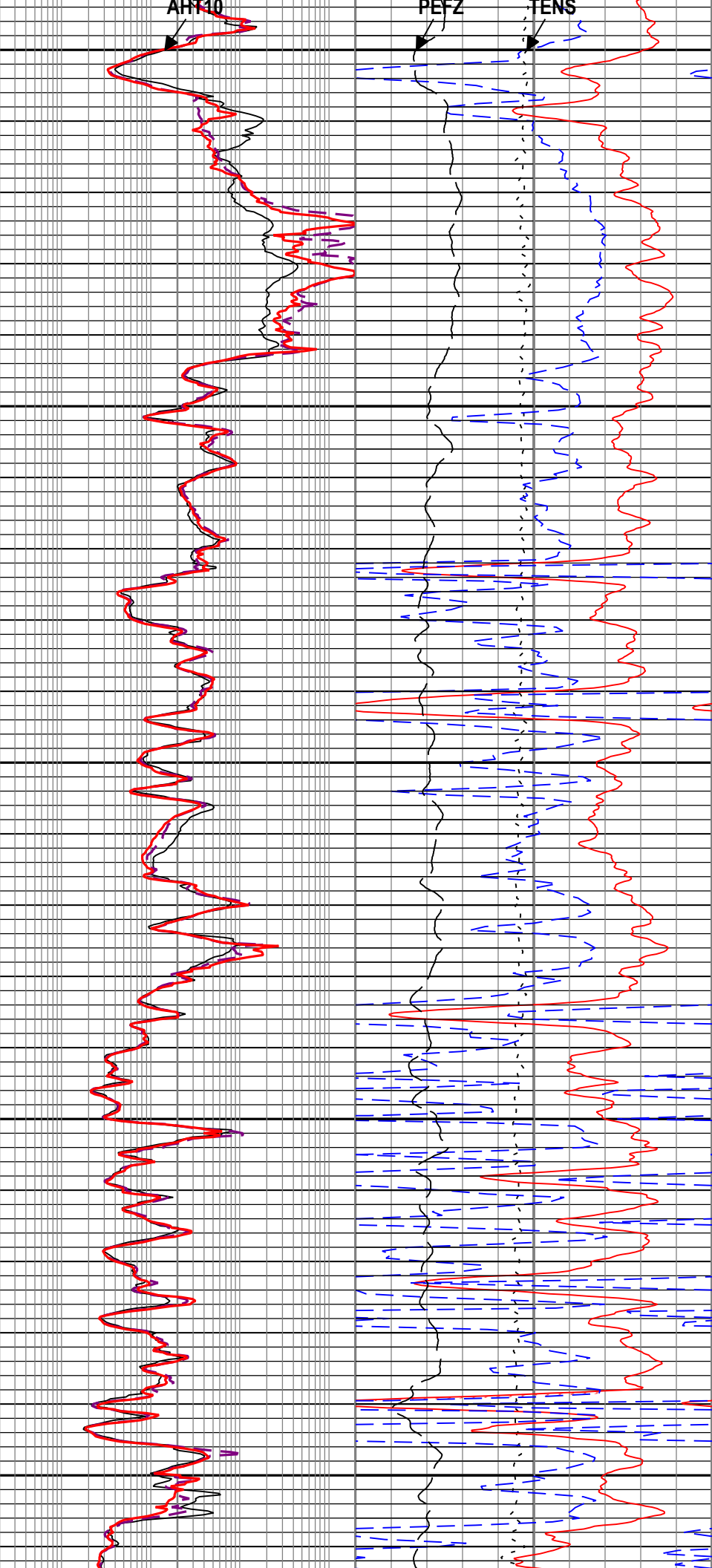
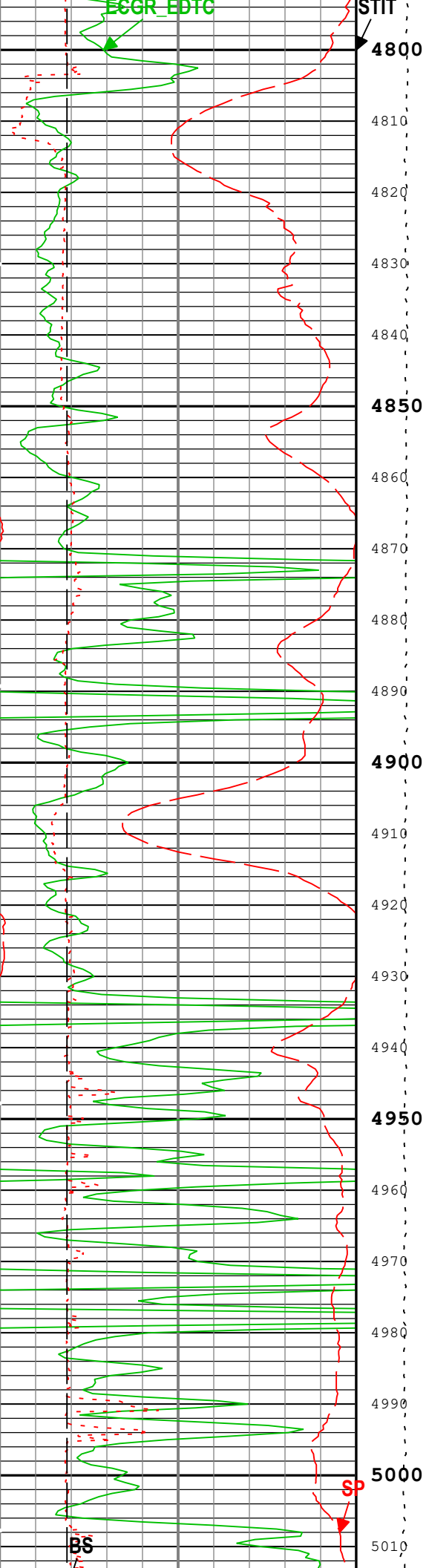


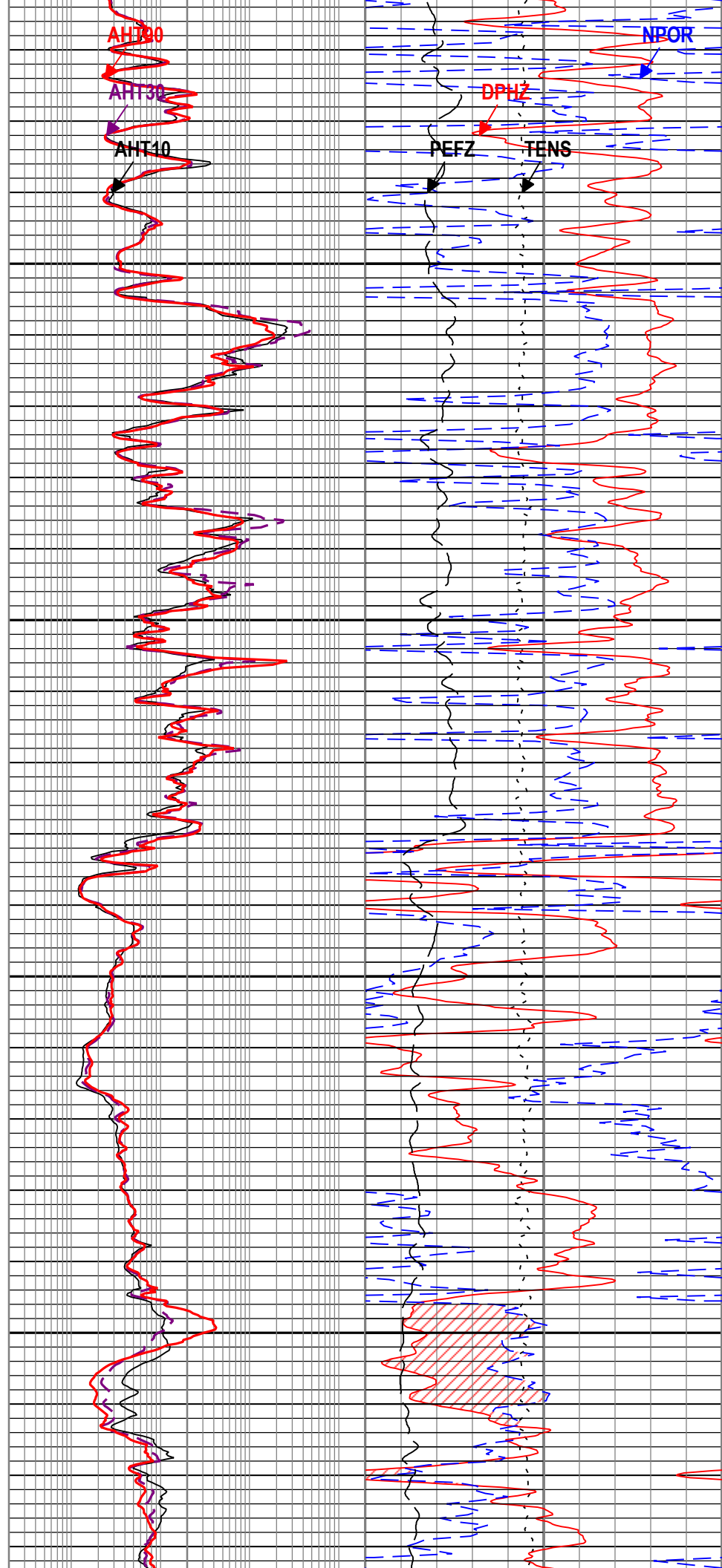
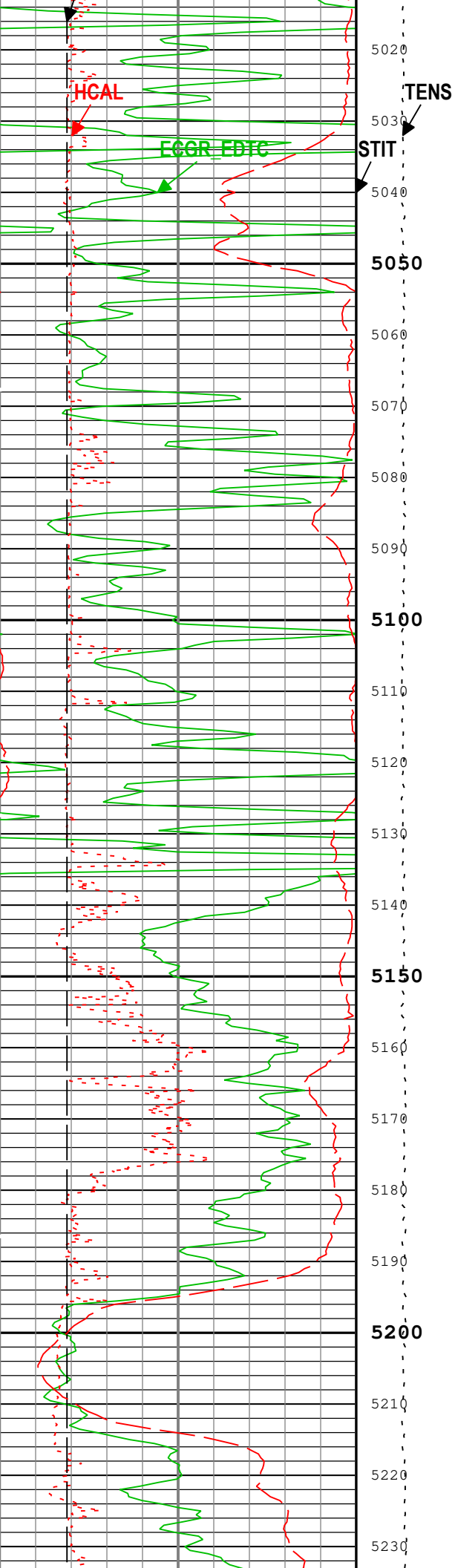


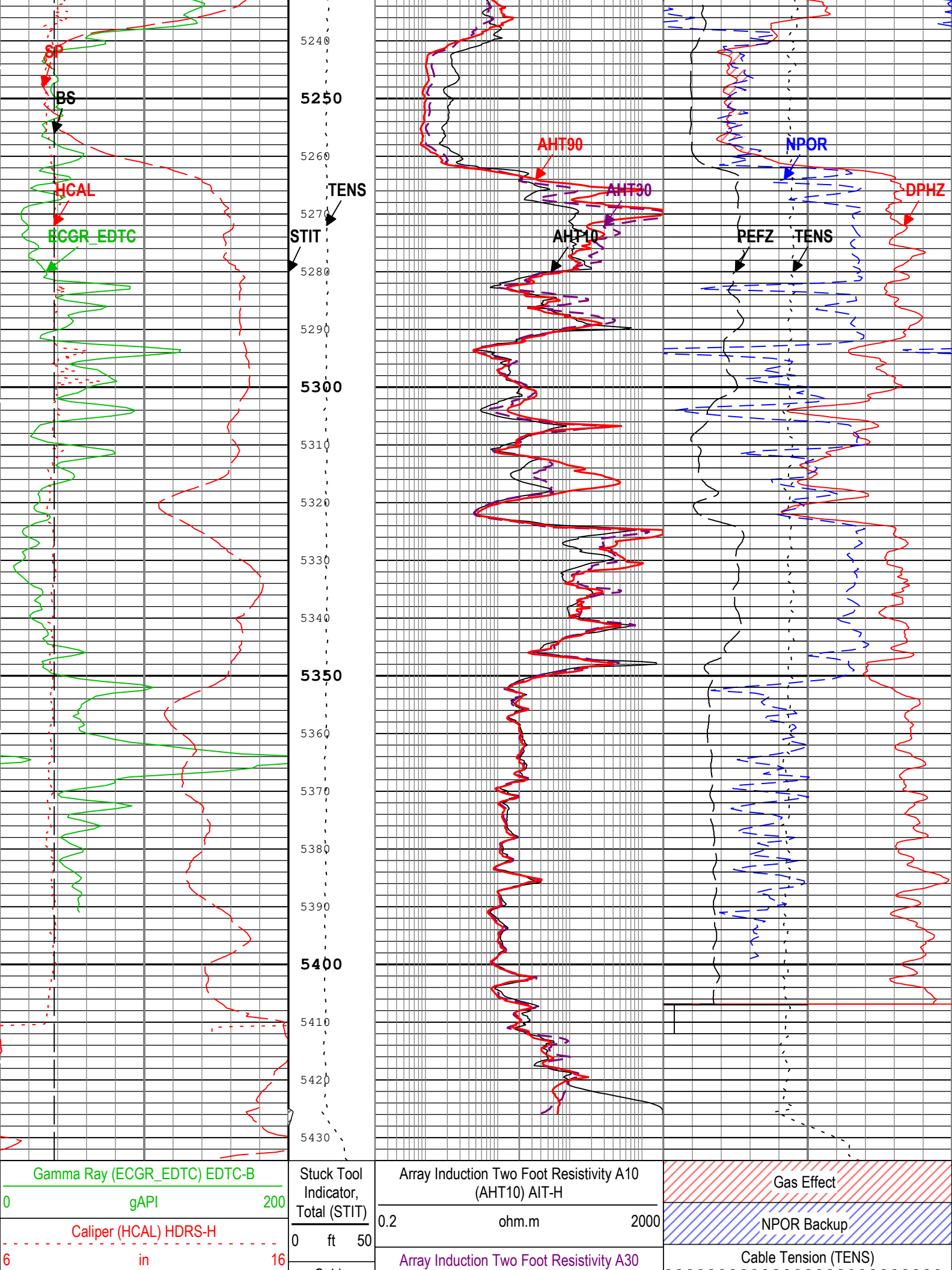












Bit Size (BS) RT			Cable Tension (TENS)	(AHT30) AIT-H			5000		lbf		0
6	in			0.2	ohm.m		2000	Standard Resolution Density Porosity (DPHZ) HDRS-H			
Spontaneous Potential (SP) AIT-H				Array Induction Two Foot Resistivity A90 (AHT90) AIT-H			0.3			ft3/ft3	
-80	mV		20	0.2	ohm.m		2000	Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H			
							0.3	m3/m3		-0.1	
							Standard Resolution Formation Photoelectric Factor (PEFZ) HDRS-H				
							0	10			

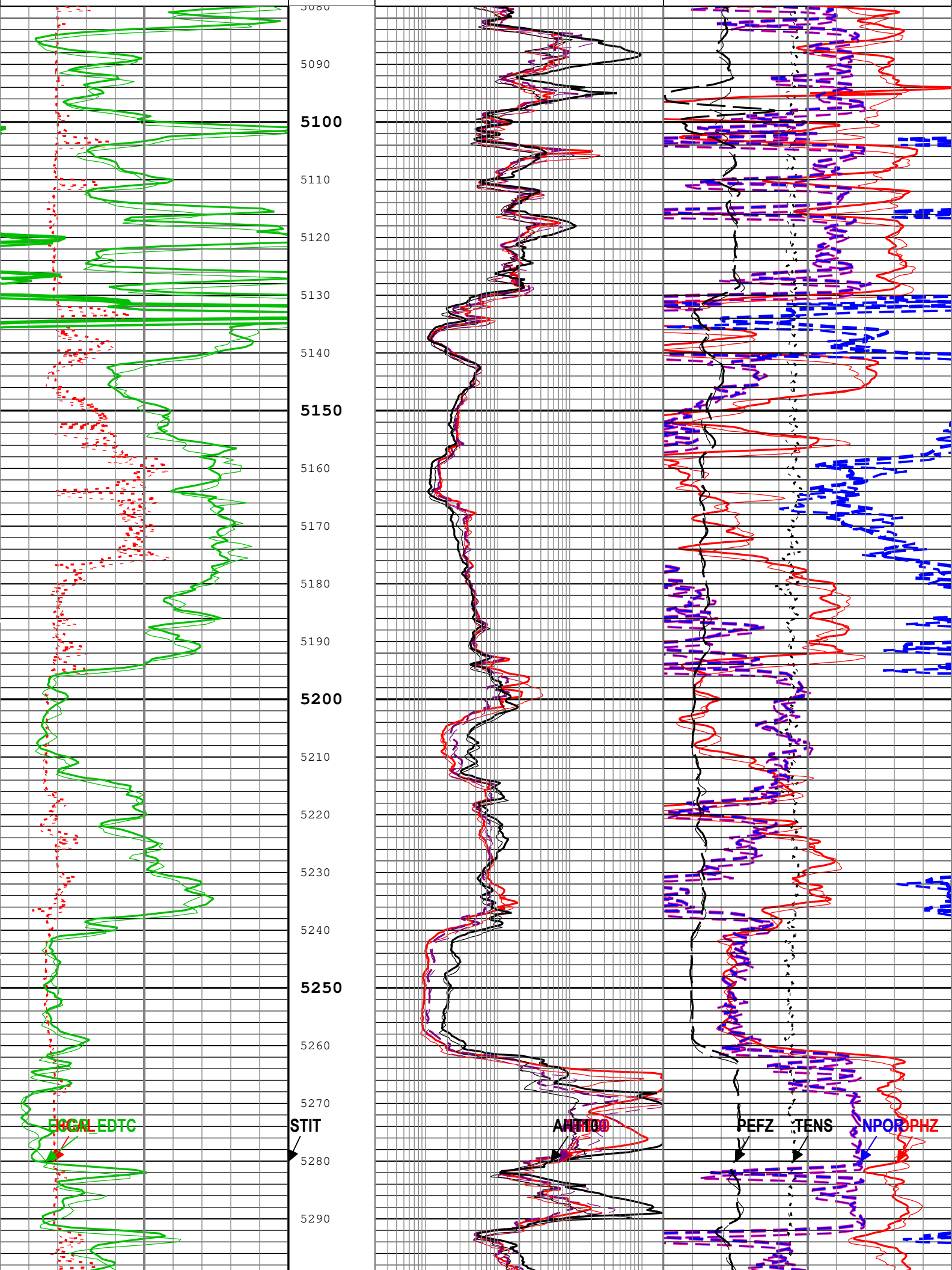
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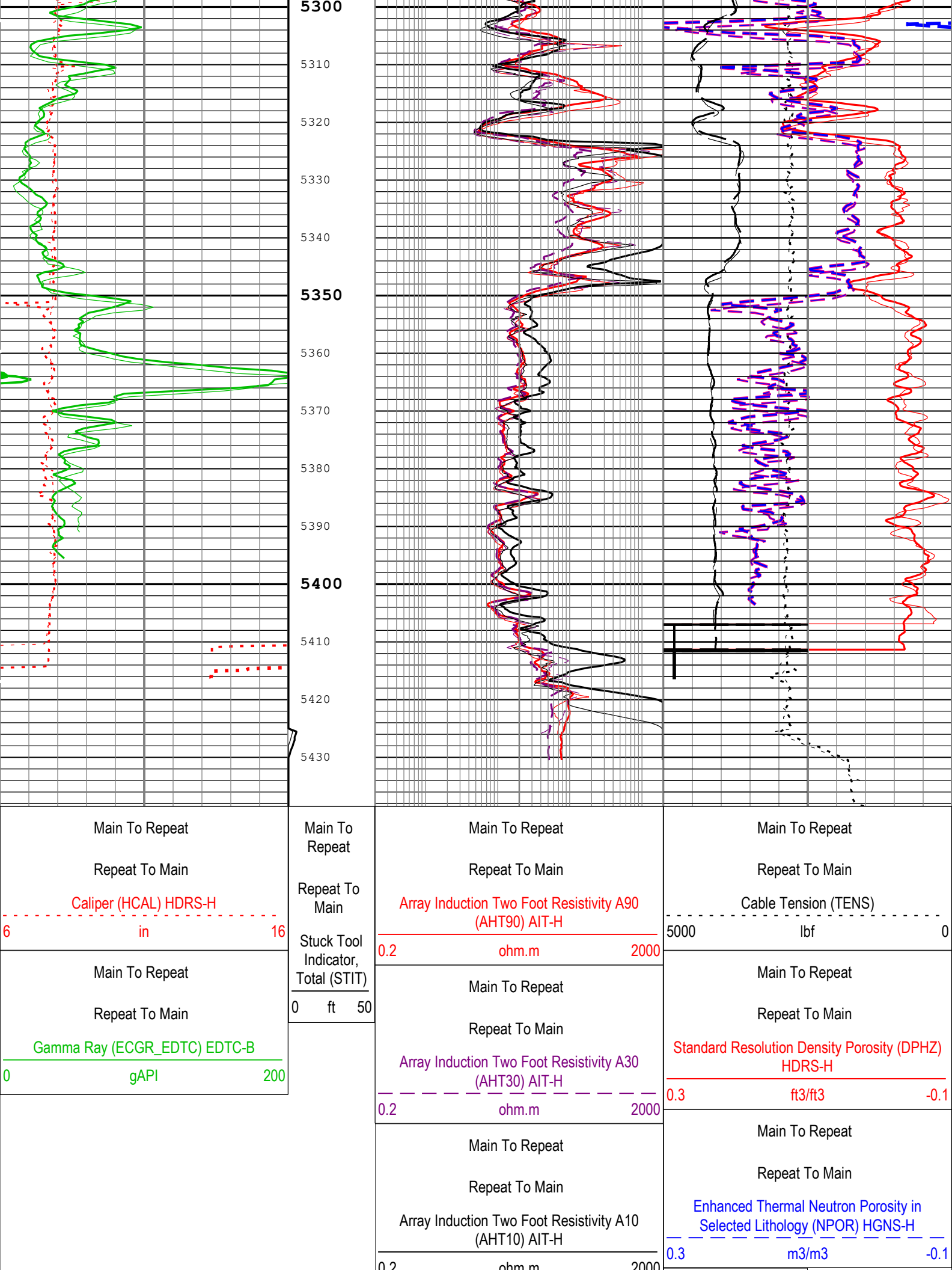
Channel Processing Parameters				
Run 1: Parameters				
Parameter	Description	Tool	Value	Unit
AHBHM	Array Induction Borehole Correction Mode	AIT-H	Compute Standoff	
BARI(ISSBAR)	Barite Mud Presence Flag	Borehole	No	
BHS	Borehole Status (Open or Cased Hole)	Borehole	Open	
BHT	Bottom Hole Temperature	Borehole	146	degF
BS	Bit Size	WLSESSION	Depth Zoned	in
BSAL	Borehole Salinity	Borehole	600	ppm
CALI_SHIFT	CALI Supplementary Offset	HDRS-H	-0.084	in
CBLO	Casing Bottom (Logger)	WLSESSION	566	ft
CDEN	Cement Density	EDTC-B	2	g/cm3
DC_MODE	Depth Correction Mode	DepthCorrection	Real-time	
DFD	Drilling Fluid Density	Borehole	9.1	lbm/gal
DFT_CATEGORY	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(RT)	
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	SANDSTONE	
MDEN	Matrix Density for Density Porosity	Borehole	2.65	g/cm3
MFST	Mud Filtrate Sample Temperature	Borehole	77	degF
NPRM	HRDD Nuclear Processing Mode	HDRS-H	Standard Resolution	
RMFS	Resistivity of Mud Filtrate Sample	Borehole	0.78	ohm.m
SOCO	Standoff Correction Option	HGNS-H	Yes	
SPDR	SP Drift Per Foot	AIT-H	0	mV/ft

Depth Zone Parameters			
Parameter	Value	Start ( ft )	Stop ( ft )
BS	12.25	454	566

				Main To Repeat				Repeat To Main				Standard Resolution Formation Photoelectric Factor (PEFZ) HDRS-H			
												010			
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A90 (AHT90) AIT-H				Repeat To Main			
								Cable Tension (TENS)							
				0.2ohm.m2000				5000lbf							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A30 (AHT30) AIT-H				Repeat To Main			
				Main To Repeat				Standard Resolution Density Porosity (DPHZ) HDRS-H							
				0.2ohm.m2000				0.3ft3/ft3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
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				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
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				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
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								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H							
				0.2ohm.m2000				0.3m3/m3-0.3							
				Main To Repeat				Repeat To Main				Main To Repeat			
				Repeat To Main				Array Induction Two Foot Resistivity A10 (AHT10) AIT-H				Repeat To Main			
								Enhanced Thermal							









0.2	0.001m	2000	<div>Main To Repeat</div> <div>Repeat To Main</div> <div>Standard Resolution Formation Photoelectric Factor (PEFZ) HDRS-H</div> <div>010</div>
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TIME\_1900 - Time Marked every 60.00 (s)

Description: HGNS standard resolution porosities for Platform Express    Format: Log ( TripleCombo-5 RA )    Index Scale: 5 in per 100 ft    Index Unit: ft    Index Type: Measured Depth    Creation Date: 13-Jul-2024 15:19:16

Channel Processing Parameters

Run 1: Parameters				
Parameter	Description	Tool	Value	Unit
AHBHM	Array Induction Borehole Correction Mode	AIT-H	Compute Standoff	
BARI(ISSBAR)	Barite Mud Presence Flag	Borehole	No	
BHS	Borehole Status (Open or Cased Hole)	Borehole	Open	
BHT	Bottom Hole Temperature	Borehole	146	degF
BS	Bit Size	WLSESSION	7.875	in
BSAL	Borehole Salinity	Borehole	600	ppm
CALI_SHIFT	CALI Supplementary Offset	HDRS-H	-0.084	in
CBLO	Casing Bottom (Logger)	WLSESSION	566	ft
CDEN	Cement Density	EDTC-B	2	g/cm3
DC_MODE	Depth Correction Mode	DepthCorrection	Real-time	
DFD	Drilling Fluid Density	Borehole	9.1	lbm/gal
DFT_CATEGORY	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(RT)	
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	SANDSTONE	
MDEN	Matrix Density for Density Porosity	Borehole	2.65	g/cm3
MFST	Mud Filtrate Sample Temperature	Borehole	77	degF
NPRM	HRDD Nuclear Processing Mode	HDRS-H	Standard Resolution	
RMFS	Resistivity of Mud Filtrate Sample	Borehole	0.78	ohm.m
SOCO	Standoff Correction Option	HGNS-H	Yes	

Tool Control Parameters

Run 1: Parameters				
Parameter	Description	Tool	Value	Unit
HMCA_BOARD_TYPE	HMCA Board Type	HGNS-H	1	
HRGD_BOARD_TYPE	HRGD Board Type	HDRS-H	WITH_HET	
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	3600	ft/h

Run 1

## Software Version

## Pass Summary

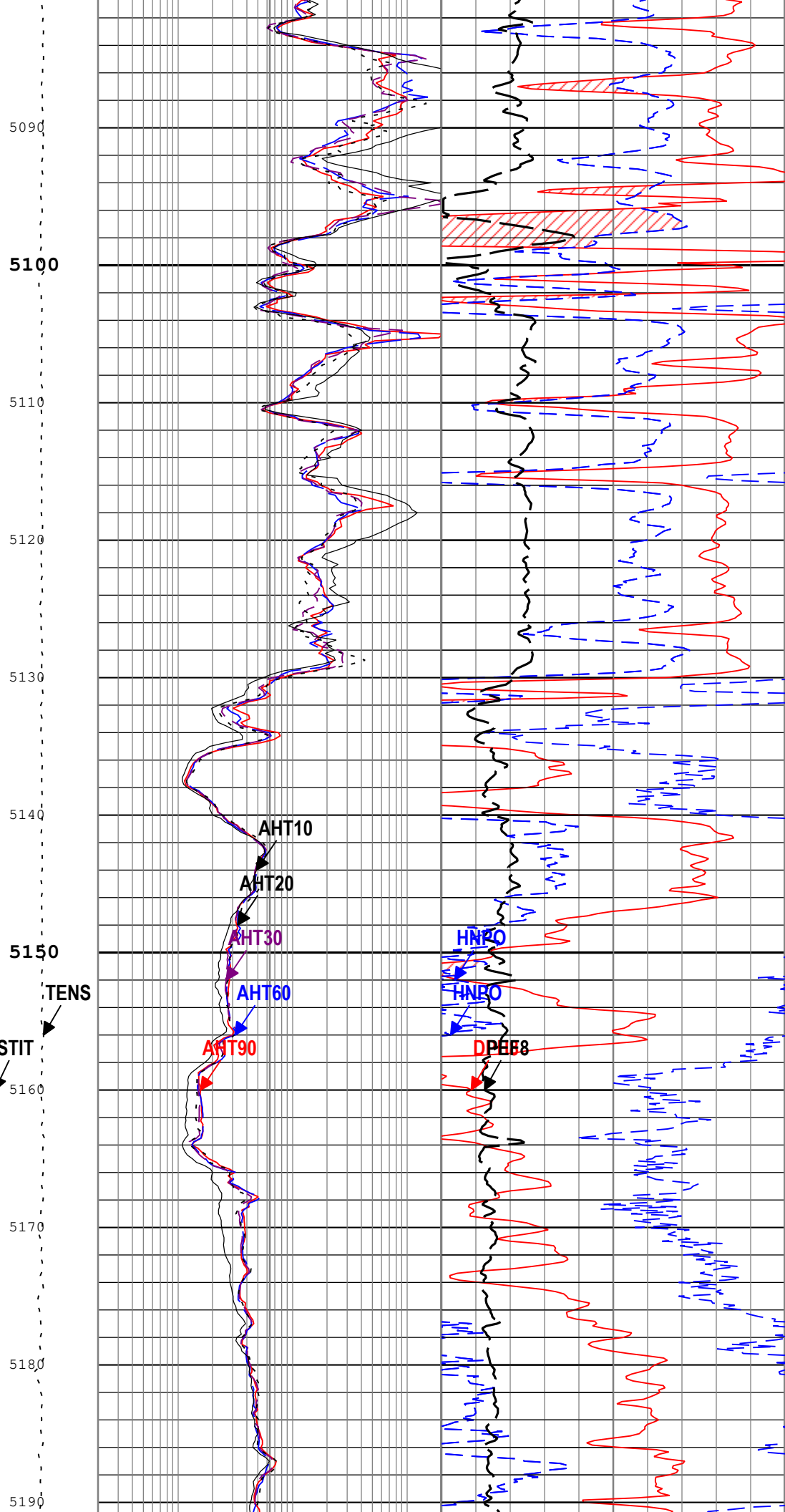
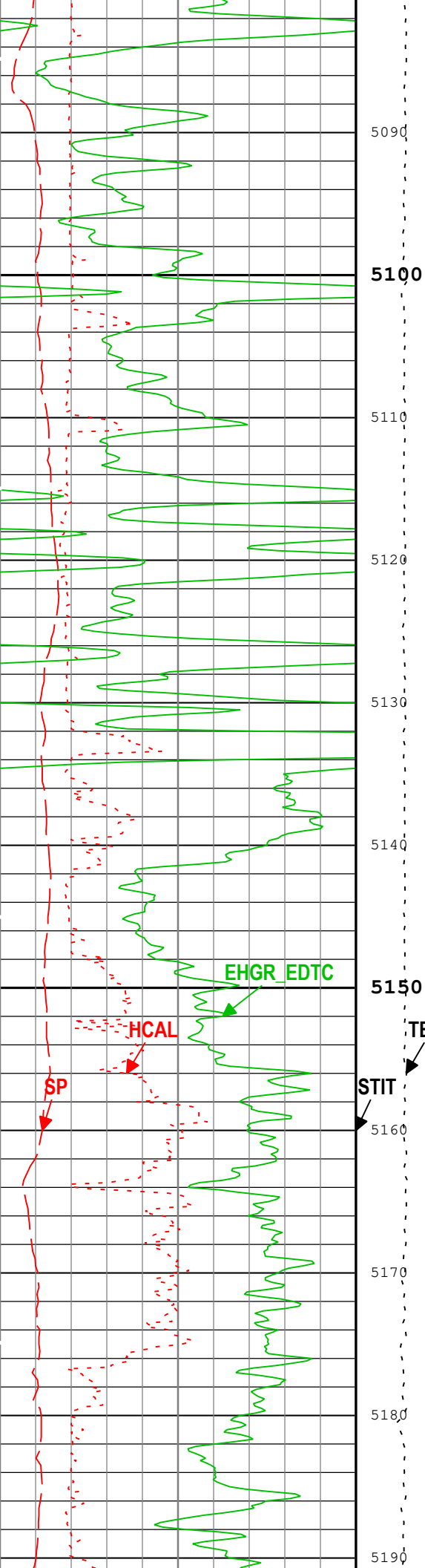
All depths are referenced to toolstring zero

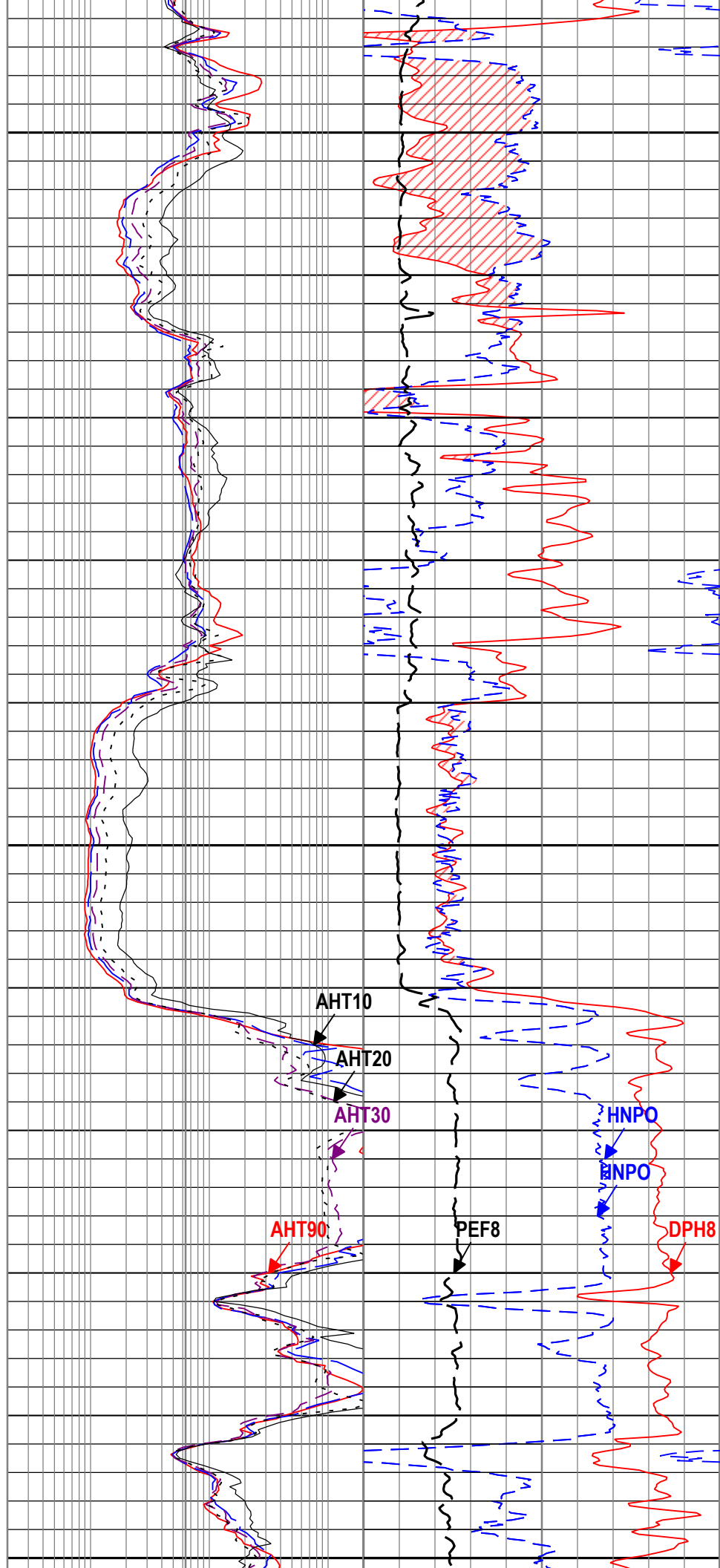
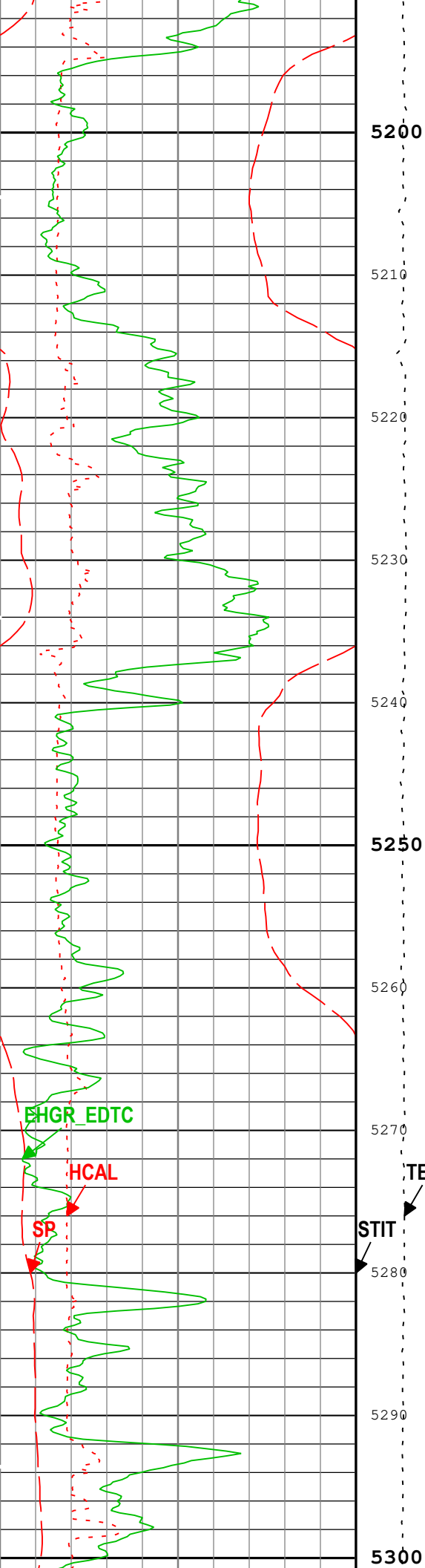
## Run 1: Log[3]:Up:S008

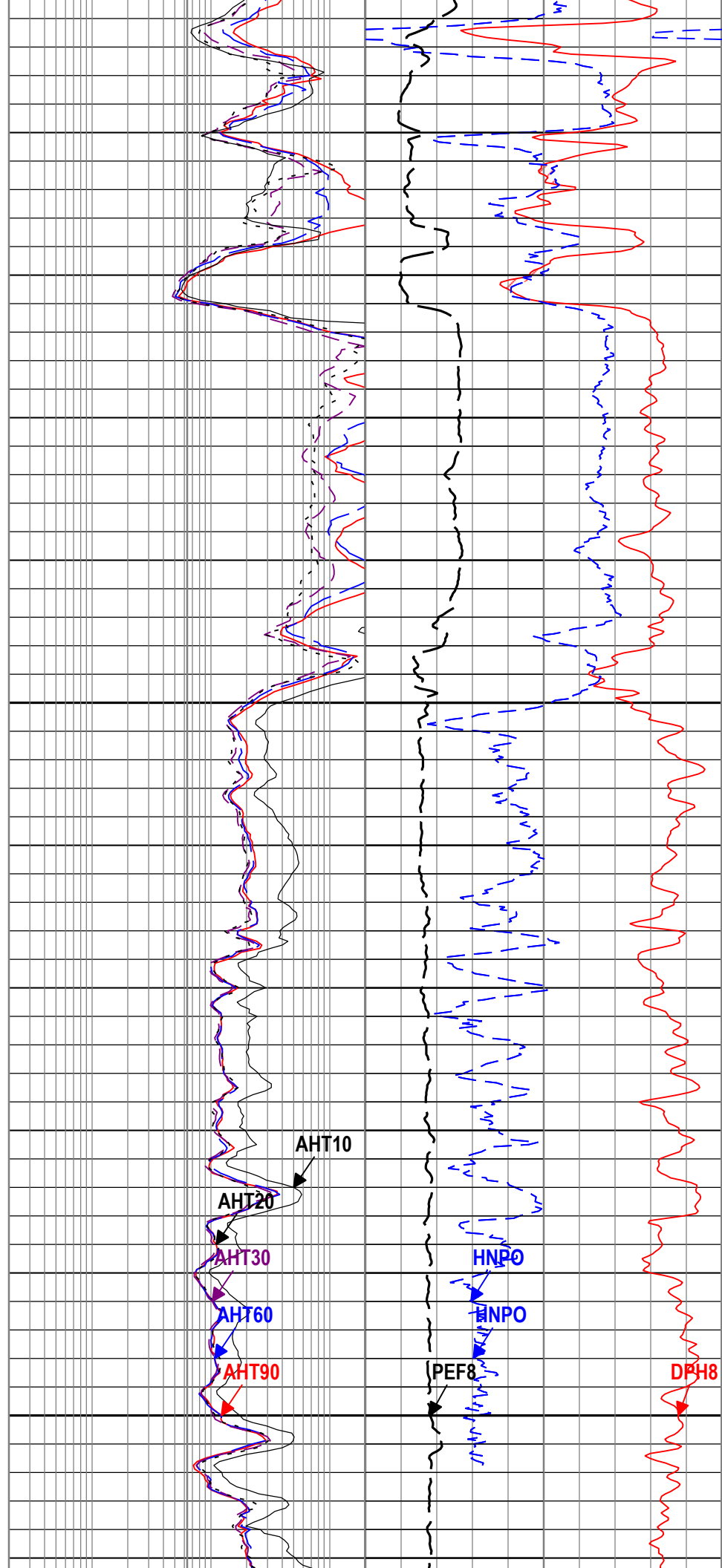
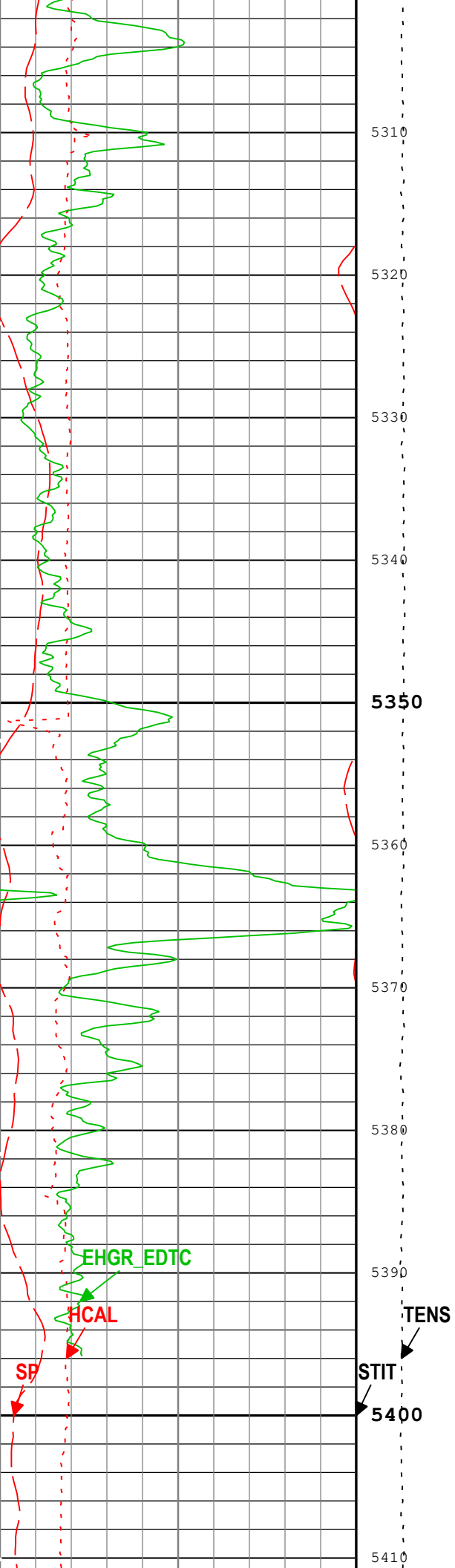
Index Type: Measured Depth    Creation Date: 13-Jul-2024 15:19:18

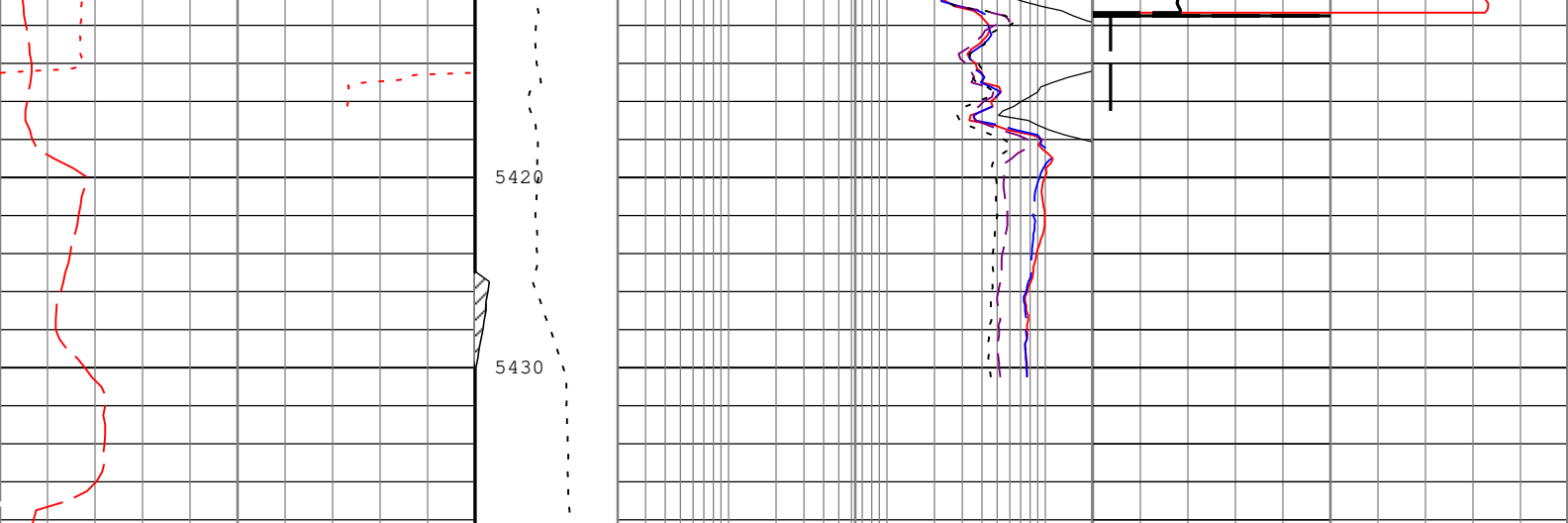
TIME\_1900 - Time Marked every 60.00 (s)

		Array Induction Two Foot Resistivity A90 (AHT90) AIT-H		High Resolution Formation Photoelectric Factor (PEF8) HDRS-H
		0.2	ohm.m 200	
		Array Induction Two Foot Resistivity A60 (AHT60) AIT-H		
		0.2	ohm.m 200	0 10
		Array Induction Two Foot Resistivity A30 (AHT30) AIT-H		Gas Effect
		0.2	ohm.m 200	NPOR Backup
Stuck Tool Indicator, Total (STIT)		Array Induction Two Foot Resistivity A20 (AHT20) AIT-H		High Resolution Density Porosity (DPH8) HDRS-H
0 ft 50		0.2	ohm.m 200	0.3 ft3/ft3 -0.
Cable Tension (TENS)		Array Induction Two Foot Resistivity A10 (AHT10) AIT-H		Enhanced Thermal Neutron Porosity in Selected Lithology (HNPO) HGNS-H
5000 lbf 0		0.2	ohm.m 200	0.3 ft3/ft3 -0.
Spontaneous Potential (SP) AIT-H				
0	mV 200			
Caliper (HCAL) HDRS-H				
6	in 16			
Gamma Ray (EHGR_EDTC) EDTC-B				
0	gAPI 200			









Spontaneous Potential (SP) AIT-H		Stuck Tool Indicator, Total (STIT)	Array Induction Two Foot Resistivity A90 (AHT90) AIT-H		Gas Effect	
0	mV		200			
Caliper (HCAL) HDRS-H		0 ft 50	0.2 ohm.m 200		NPOR Backup	
6	in		16			
Gamma Ray (EHGR_EDTC) EDTC-B		Cable Tension (TENS)	Array Induction Two Foot Resistivity A60 (AHT60) AIT-H		High Resolution Density Porosity (DPH8) HDRS-H	
0	gAPI		200	0.2 ohm.m 200		0.3 ft3/ft3 -0.1
		5000 lbf 0	Array Induction Two Foot Resistivity A30 (AHT30) AIT-H		Enhanced Thermal Neutron Porosity in Selected Lithology (HNPO) HGNS-H	
			0.2 ohm.m 200		0.3 ft3/ft3 -0.1	
			Array Induction Two Foot Resistivity A20 (AHT20) AIT-H		High Resolution Formation Photoelectric Factor (PEF8) HDRS-H	
			0.2 ohm.m 200		0 10	
			Array Induction Two Foot Resistivity A10 (AHT10) AIT-H			
			0.2 ohm.m 200			

TIME\_1900 - Time Marked every 60.00 (s)

Description: HGNS standard resolution porosities for Platform Express    Format: Log ( 10in TripleCombo HiRes )    Index Scale: 10 in per 100 ft    Index Unit: ft  
Index Type: Measured Depth    Creation Date: 13-Jul-2024 15:19:18

Channel Processing Parameters				
Run 1: Parameters				
Parameter	Description	Tool	Value	Unit
AHBHM	Array Induction Borehole Correction Mode	AIT-H	Compute Standoff	
BARI(ISSBAR)	Barite Mud Presence Flag	Borehole	No	
BHS	Borehole Status (Open or Cased Hole)	Borehole	Open	
BHT	Bottom Hole Temperature	Borehole	146	degF
BS	Bit Size	WLSESSION	7.875	in
BSAL	Borehole Salinity	Borehole	600	ppm
CALI_SHIFT	CALI Supplementary Offset	HDRS-H	-0.084	in
CBLO	Casing Bottom (Logger)	WLSESSION	566	ft
CDEN	Cement Density	EDTC-B	2	g/cm3
DC_MODE	Depth Correction Mode	DepthCorrection	Real-time	
DFD	Drilling Fluid Density	Borehole	9.1	lbm/gal
DFT_CATEGORY	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(RT)	
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	SANDSTONE	
MDEN	Matrix Density for Density Porosity	Borehole	2.65	g/cm3
MFST	Mud Filtrate Sample Temperature	Borehole	77	degF
NPRM	HRDD Nuclear Processing Mode	HDRS-H	High Resolution	
RMFS	Resistivity of Mud Filtrate Sample	Borehole	0.78	ohm.m
SOCO	Standoff Correction Option	HGNS-H	Yes	
SPDR	SP Drift Per Foot	AIT-H	0	mV/ft

Tool Control Parameters				
Run 1: Parameters				
Parameter	Description	Tool	Value	Unit
HMCA_BOARD_TYPE	HMCA Board Type	HGNS-H	1	
HRGD_BOARD_TYPE	HRGD Board Type	HDRS-H	WITH_HET	
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	1800	ft/h
Run 1				
10" HiRes Triple Combo 4350 - 4150 ft				

Software Version	
Acquisition System	Version
Maxwell 2023.0	13.0.221437.3100
Application Patch	Wireline_Hotfix-Mandatory-2023.0_13.0.222988
	Wireline_NPD-ThruBit-2023.0_13.0.222274
	Wireline_NPD-HCS-2023.0_13.0.222422

Pass Summary									
Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
Run 1	Log[4]:Up	Up	4133.80 ft	4389.05 ft	13-Jul-2024 12:10:20 PM	13-Jul-2024 12:19:08 PM	ON	2.85 ft	Yes
All depths are referenced to toolstring zero									

Log	<div> <div>Company:Wavetech Helium Inc</div> <div>Well:1 Wavetech Harker Family 31-22</div> <div>Run 1: Log[4]:Up:S008</div> </div>
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Description: HGNS standard resolution porosities for Platform Express

Format: Log ( 10in TripleCombo HiRes )

Index Scale: 10 in per 100 ft

Index Unit: ft

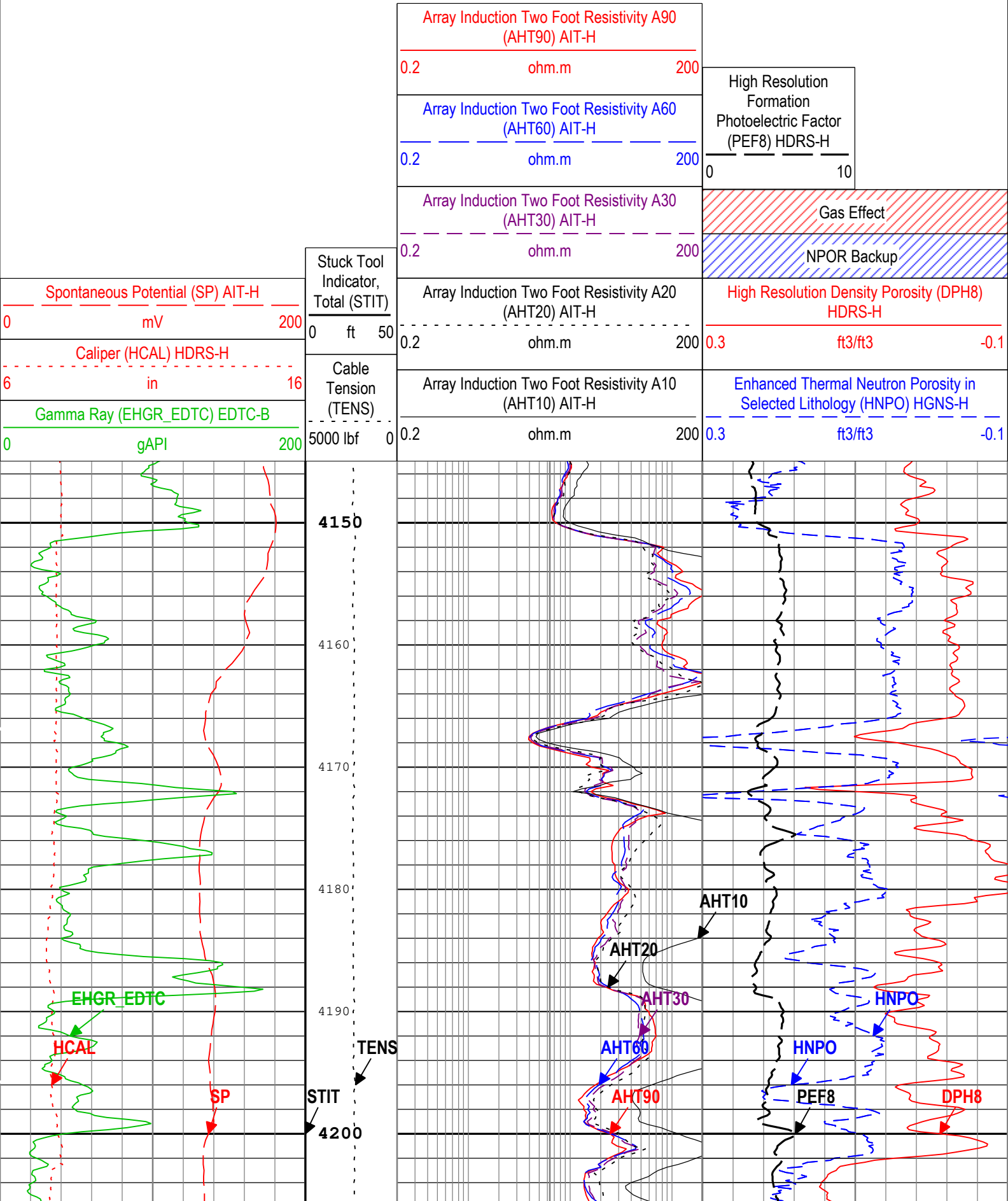
Index Type: Measured Depth

Creation Date: 13-Jul-2024 15:19:19

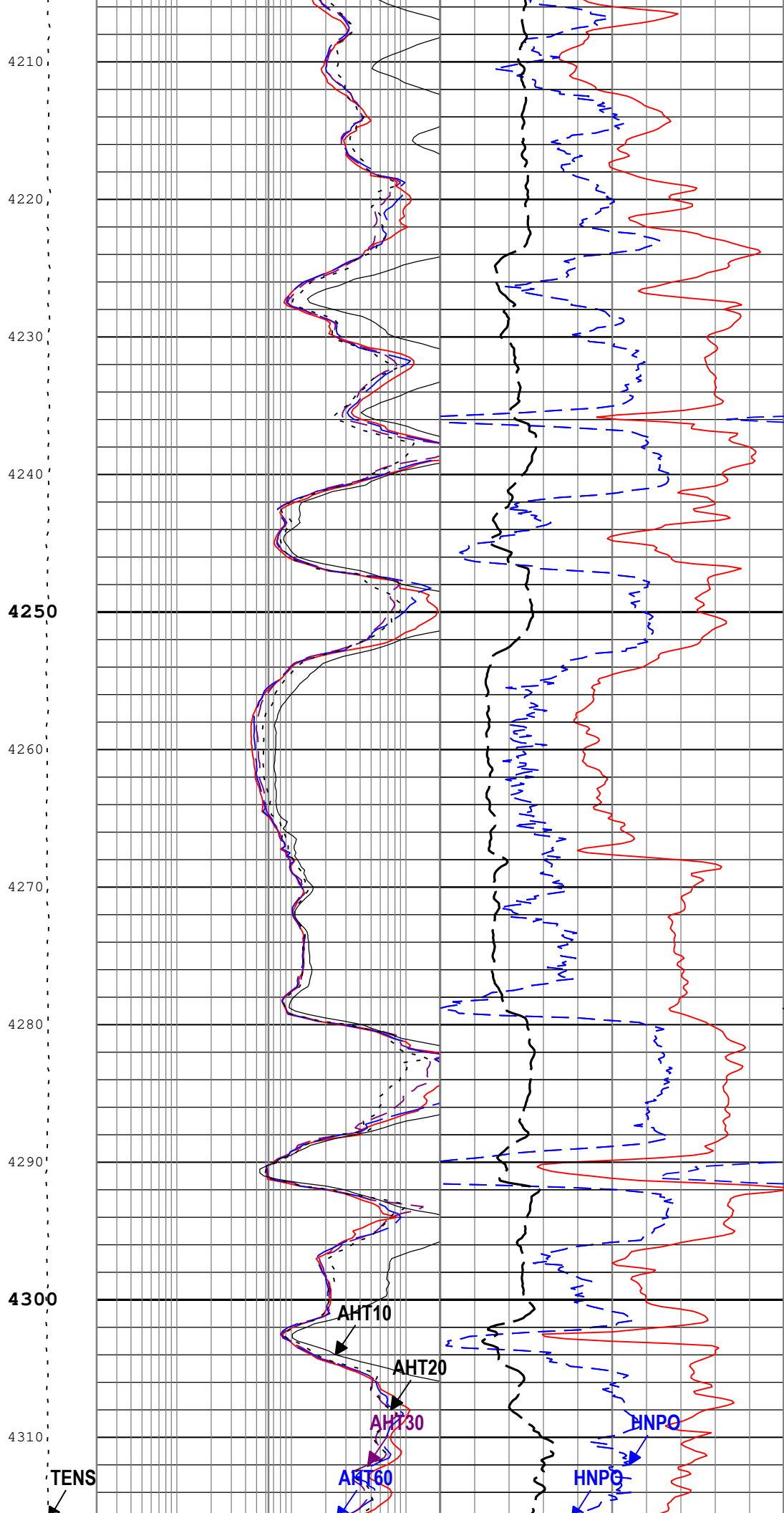
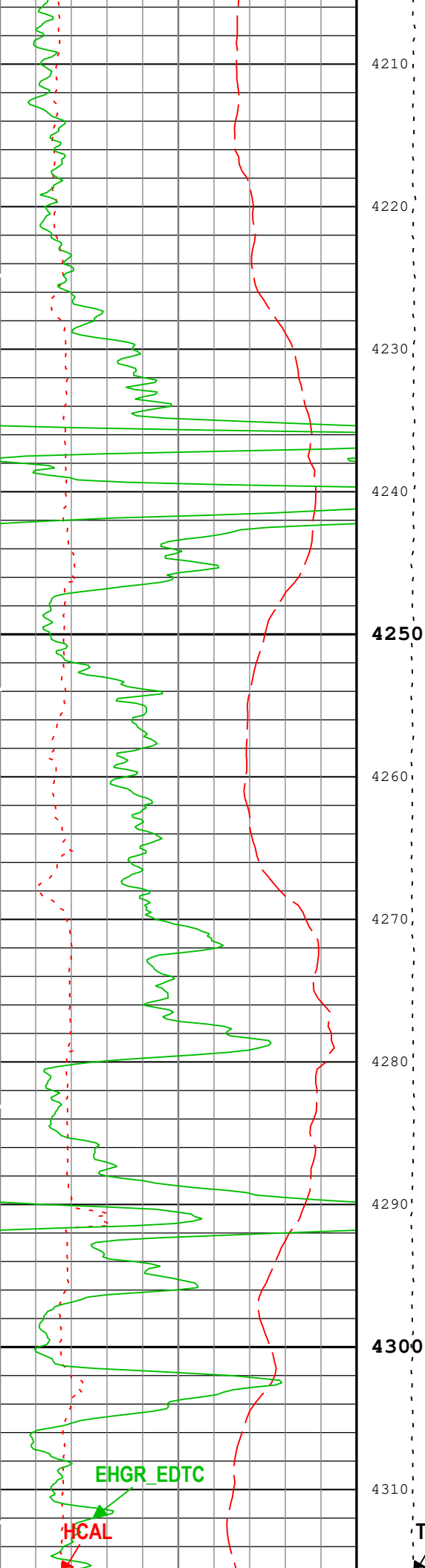
Channel	Source	Sampling
AT10	AIT-H:AHIS:AHIS	3in
AT20	AIT-H:AHIS:AHIS	3in
AT30	AIT-H:AHIS:AHIS	3in
AT60	AIT-H:AHIS:AHIS	3in
AT90	AIT-H:AHIS:AHIS	3in
CALI	HDRS-H:HRCC-H:HRCC-H	1in
DPH8	HDRS-H:HRMS-H:HRGD-H	2in
GR	EDTC-B:EDTC-B:EDTC-B	2in
NPOR	HGNS-H:HGNS-H:HGNS-H	2in
PEF8	HDRS-H:HRMS-H:HRGD-H	2in

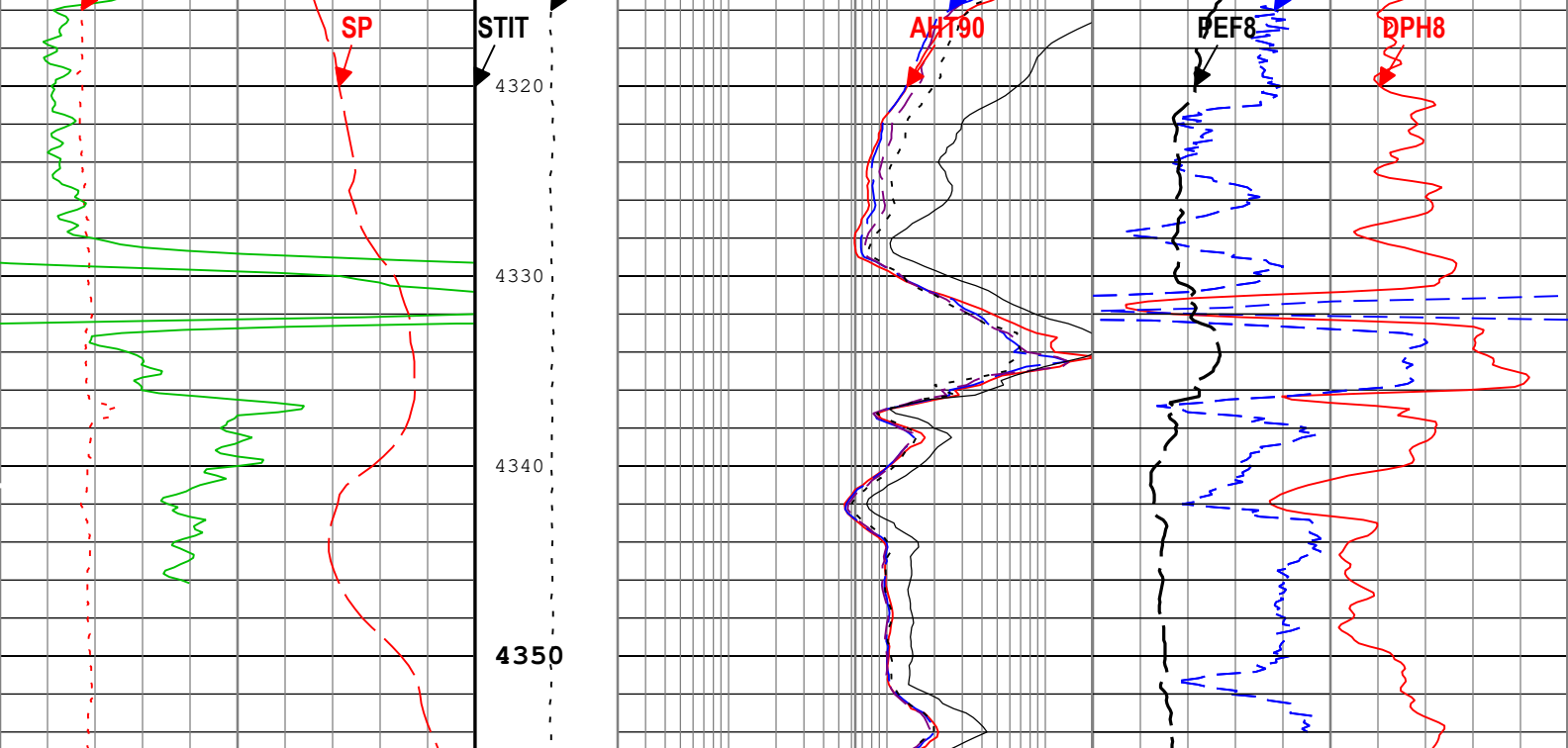
SP	AIT-H:AHIS:AHIS	6in
STIT	DepthCorrection	6in
TENS	WLWorkflow	6in
TIME_1900	WLWorkflow	0.1in

TIME\_1900 - Time Marked every 60.00 (s)









Spontaneous Potential (SP) AIT-H	Stuck Tool Indicator, Total (STIT)	Array Induction Two Foot Resistivity A90 (AHT90) AIT-H	Gas Effect
0 mV 200	0 ft 50	0.2 ohm.m 200	NPOR Backup
Caliper (HCAL) HDRS-H	Cable Tension (TENS)	Array Induction Two Foot Resistivity A60 (AHT60) AIT-H	High Resolution Density Porosity (DPH8) HDRS-H
6 in 16	5000 lbf 0	0.2 ohm.m 200	0.3 ft3/ft3 -0.1
Gamma Ray (EHGR_EDTC) EDTC-B		Array Induction Two Foot Resistivity A30 (AHT30) AIT-H	Enhanced Thermal Neutron Porosity in Selected Lithology (HNPO) HGNS-H
0 gAPI 200		0.2 ohm.m 200	0.3 ft3/ft3 -0.1
		Array Induction Two Foot Resistivity A20 (AHT20) AIT-H	High Resolution Formation Photoelectric Factor (PEF8) HDRS-H
		0.2 ohm.m 200	0 10
		Array Induction Two Foot Resistivity A10 (AHT10) AIT-H	
		0.2 ohm.m 200	

TIME\_1900 - Time Marked every 60.00 (s)

Description: HGNS standard resolution porosities for Platform Express Format: Log ( 10in TripleCombo HiRes ) Index Scale: 10 in per 100 ft Index Unit: ft  
Index Type: Measured Depth Creation Date: 13-Jul-2024 15:19:19

Channel Processing Parameters				
Run 1: Parameters				
Parameter	Description	Tool	Value	Unit
AHBHM	Array Induction Borehole Correction Mode	AIT-H	Compute Standoff	
BARI(ISSBAR)	Barite Mud Presence Flag	Borehole	No	
BHS	Borehole Status (Open or Cased Hole)	Borehole	Open	
BHT	Bottom Hole Temperature	Borehole	146	degF
BS	Bit Size	WLSESSION	7.875	in
BSAL	Borehole Salinity	Borehole	600	ppm
CALI_SHIFT	CALI Supplementary Offset	HDRS-H	-0.084	in
CBLO	Casing Bottom (Logger)	WLSESSION	566	ft
CDEN	Cement Density	EDTC-B	2	g/cm3

CDEN	Cement Density	EDTC-B	2	g/cm3
DC_MODE	Depth Correction Mode	DepthCorrection	Real-time	
DFD	Drilling Fluid Density	Borehole	9.1	lbm/gal
DFT_CATEGORY	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(RT)	
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	SANDSTONE	
MDEN	Matrix Density for Density Porosity	Borehole	2.65	g/cm3
MFST	Mud Filtrate Sample Temperature	Borehole	77	degF
NPRM	HRDD Nuclear Processing Mode	HDRS-H	High Resolution	
RMFS	Resistivity of Mud Filtrate Sample	Borehole	0.78	ohm.m
SOCO	Standoff Correction Option	HGNS-H	Yes	
SPDR	SP Drift Per Foot	AIT-H	0	mV/ft

## Tool Control Parameters

### Run 1: Parameters

Parameter	Description	Tool	Value	Unit
HMCA_BOARD_TYPE	HMCA Board Type	HGNS-H	1	
HRGD_BOARD_TYPE	HRGD Board Type	HDRS-H	WITH_HET	
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	1800	ft/h

## Calibration Report

### HDRS-H (HILT Density and Rxo Sonde, 150 degC) Calibration - Run 1

#### Primary Equipment :

HILT High-Resolution Control Cartridge, 150 degC	HRCC-H	3793
HILT Resistivity Gamma-Ray Density Device, 150 degC	HRGD-H	4889

#### Auxiliary Equipment :

HRDD Backscatter Detector	Backscatter	72767
HRDD Long Spacing Detector	Long Spacing	72767
HRDD Short Spacing Detector	Short Spacing	57460
Cesium 137 Gamma-Ray Logging Source	GSR-J	5540
HILT High-Resolution Control Cartridge, 150 degC	HRCC-H	3793
HILT High-Resolution Mechanical Sonde, 150 degC	HRMS-H	3995

#### Calibration Parameter :

Small Ring Size (Caliper Calibration Small Ring)	8.00
Large Ring Size (Caliper Calibration Large Ring)	12.00

### HDRS Density Calibration - Inversion Results

Master (EEPROM):		14:12:40 11-Jul-2024					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Rho Aluminum	g/cm3	Master	2.596	2.586	2.599	2.606	<div><div></div><div></div><div></div><div></div><div></div></div>
Rho Magnesium	g/cm3	Master	1.686	1.676	1.687	1.696	<div><div></div><div></div><div></div><div></div><div></div></div>
Pe Aluminum		Master	2.570	2.470	2.556	2.670	<div><div></div><div></div><div></div><div></div><div></div></div>
Pe Magnesium		Master	2.650	2.550	2.624	2.750	<div><div></div><div></div><div></div><div></div><div></div></div>

### HDRS Density Calibration - Deviation Summary

Master (EEPROM): 14:12:40 11-Jul-2024

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div></div>
BS Average Deviation		Master	0	-0.6000	0.2365	0.6000	<div></div>
BS Max Deviation	%	Master	0	-1.6000	1.0043	1.6000	<div></div>
SS Average Deviation	%	Master	0	-1.0000	0.2399	1.0000	<div></div>
SS Max Deviation	%	Master	0	-2.5000	0.6722	2.5000	<div></div>
LS Average Deviation	%	Master	0	-1.5000	0.5240	1.5000	<div></div>
LS Max Deviation	%	Master	0	-3.5000	1.4570	3.5000	<div></div>
HDRS Density Calibration - Background Summary							
Master (EEPROM): 14:12:40 11-Jul-2024							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div></div>
BS Window Ratio		Master	1.0000	----	0.7495	----	<div></div>
BS Window Sum	1/s	Master	1	----	21473	----	<div></div>
SS Window Ratio		Master	1.0000	----	0.4736	----	<div></div>
SS Window Sum	1/s	Master	1	----	9021	----	<div></div>
LS Window Ratio		Master	1.0000	----	0.3023	----	<div></div>
LS Window Sum	1/s	Master	1	----	1057	----	<div></div>
HDRS Density Calibration - Photo-multiplier High Voltages							
Master (EEPROM): 14:12:40 11-Jul-2024							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div></div>
BS PM High Voltage	V	Master	-----	1000.0	1673.3	2400.0	<div></div>
SS PM High Voltage	V	Master	-----	1000.0	1542.1	2400.0	<div></div>
LS PM High Voltage	V	Master	-----	1000.0	1404.6	2400.0	<div></div>
HDRS Density Calibration - Crystal Quality Resolutions							
Master (EEPROM): 14:12:40 11-Jul-2024							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div></div>
BS Crystal Resolution	%	Master	11.00	5.00	11.20	13.70	<div></div>
SS Crystal Resolution	%	Master	10.00	5.00	10.54	12.00	<div></div>
LS Crystal Resolution	%	Master	10.00	5.00	9.20	12.00	<div></div>
HDRS Density Calibration - Uncalibrated Count Rate During Background							
Master (EEPROM): 14:12:40 11-Jul-2024							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div></div>
BS Uncalibrated Count Rate - 0	1/s	Master	8900.00	5200.00	6101.85	11500.00	<div></div>
BS Uncalibrated Count Rate - 1	1/s	Master	10900.00	6400.00	7430.75	13500.00	<div></div>
BS Uncalibrated Count Rate - 2	1/s	Master	12300.00	6800.00	8140.86	15000.00	<div></div>
BS Uncalibrated Count Rate - 3	1/s	Master	4800.00	2800.00	3323.84	6000.00	<div></div>
SS Uncalibrated Count Rate - 0	1/s	Master	2030.00	1280.00	1522.28	3000.00	<div></div>
SS Uncalibrated Count Rate - 1	1/s	Master	2120.00	1310.00	1501.13	3000.00	<div></div>
SS Uncalibrated Count Rate - 2	1/s	Master	4320.00	2490.00	2867.92	5500.00	<div></div>
SS Uncalibrated Count Rate - 3	1/s	Master	4500.00	2400.00	3214.32	6000.00	<div></div>
LS Uncalibrated Count Rate - 0	1/s	Master	160.00	90.00	118.43	250.00	<div></div>
LS Uncalibrated Count Rate - 1	1/s	Master	400.00	230.00	280.29	500.00	<div></div>
LS Uncalibrated Count Rate - 2	1/s	Master	350.00	230.00	276.30	500.00	<div></div>
LS Uncalibrated Count Rate - 3	1/s	Master	530.00	330.00	391.75	700.00	<div></div>
HDRS Density Calibration - Uncalibrated Count Rate During Aluminum Air							
Master (EEPROM): 14:12:40 11-Jul-2024							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div></div>
BS Uncalibrated Alu-Air Count Rate - 0	1/s	Master	-----	-----	0.00	-----	<div></div>
BS Uncalibrated Alu-Air Count Rate - 1	1/s	Master	-----	-----	182328.70	-----	<div></div>
BS Uncalibrated Alu-Air Count Rate - 2	1/s	Master	-----	-----	164173.10	-----	<div></div>
BS Uncalibrated Alu-Air Count Rate - 3	1/s	Master	-----	-----	0.00	-----	<div></div>
SS Uncalibrated Alu-Air Count Rate - 0	1/s	Master	-----	-----	0.00	-----	<div></div>
SS Uncalibrated Alu-Air Count Rate - 1	1/s	Master	-----	-----	19616.65	-----	<div></div>
SS Uncalibrated Alu-Air Count Rate - 2	1/s	Master	-----	-----	19521.56	-----	<div></div>
SS Uncalibrated Alu-Air Count Rate - 3	1/s	Master	-----	-----	16478.37	-----	<div></div>
LS Uncalibrated Alu-Air Count Rate - 0	1/s	Master	-----	-----	0.00	-----	<div></div>
LS Uncalibrated Alu-Air Count Rate - 1	1/s	Master	-----	-----	1710.11	-----	<div></div>
LS Uncalibrated Alu-Air Count Rate - 2	1/s	Master	-----	-----	765.19	-----	<div></div>
LS Uncalibrated Alu-Air Count Rate - 3	1/s	Master	-----	-----	800.62	-----	<div></div>

# HDRS Density Calibration - Low energy window ratio to window 1 During Background

Master (EEPROM):		14:12:40 11-Jul-2024					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
BS Low energy window ratio to window 1	%	Master	2.8000	0.1000	3.1650	10.0000	
SS Low energy window ratio to window 1	%	Master	4.2000	0.1000	4.5898	10.0000	
LS Low energy window ratio to window 1	%	Master	6.0000	0.1000	4.0223	10.0000	

## 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	3964
Auxiliary Equipment :			
HGNS Accelerometer, 150 degC		HACCZ-H	4166
AmBe Neutron Logging Source		NSR-F	5070
Calibration Parameter :			
Water Temperature (Calibration Tank Water Temperature)		76.0	
Housing Size (Thermal Housing Size)		3.38	
JIG-BKG (Jig minus background reference)		165	

## HGNS Accelerometer EEPROM - Accelerometer EEPROM Read

Master (EEPROM):		19:00:00 14-Jul-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	----	----	11397.000	----	
Accelerometer Coefficients - 1		Master	----	----	-4.294	----	
Accelerometer Coefficients - 2		Master	----	----	-0.010	----	
Accelerometer Coefficients - 3		Master	----	----	0.000	----	
Accelerometer Coefficients - 4		Master	----	----	2.740	----	
Accelerometer Coefficients - 5		Master	----	----	0.000	----	
Accelerometer Coefficients - 6		Master	----	----	0.000	----	
Accelerometer Coefficients - 7		Master	----	----	0.000	----	
Accelerometer Coefficients - 8		Master	----	----	299.000	----	
Accelerometer Coefficients - 9		Master	----	----	0.994	----	

## HGNS Neutron Calibration - HGNS Neutron Accumulations

Master (EEPROM):		15:58:48 26-Apr-2024					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Near Zero Measurement	1/s	Master	0	10.0	27.7	40.0	
Far Zero Measurement	1/s	Master	0	10.0	27.9	40.0	
Near Plus Measurement	1/s	Master	6031.0	4700.0	4837.0	6900.0	
Far Plus Measurement	1/s	Master	2793.0	1900.0	2082.0	2900.0	
Near Corrected Plus Measurement	1/s	Master	----	4700.0	4805.0	6900.0	
Far Corrected Plus Measurement	1/s	Master	----	1900.0	2050.0	2900.0	


## EDTC-B (Enhanced Digital Telemetry Cartridge - Version B) Calibration - Run 1

Primary Equipment :			
EDTC-B		EDTC-B	8941
Calibration Parameter :			
Plus Reference (Jig minus background reference)		165	

## EDTC-B Memory Data - EDTC-B Memory Data

Master (EEPROM):		10:19:58 13-Jul-2024					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Initial PMT HV	V	Master	----	----	1648.000	----	
Accelerometer Serial Number		Master	----	----	473	----	
Accelerometer Coefficients - 0		Master	----	----	2.930E+000	----	
Accelerometer Coefficients - 1		Master	----	----	2.902E-004	----	
Accelerometer Coefficients - 2		Master	----	----	1.116E-007	----	

Accelerometer Coefficients - 2		Master	----	----	-1.116E-007	----		
Accelerometer Coefficients - 3		Master	----	----	-7.446E-008	----		
Accelerometer Coefficients - 4		Master	----	----	1.827E-009	----		
Accelerometer Coefficients - 5		Master	----	----	-1.394E-011	----		
Accelerometer Coefficients - 6		Master	----	----	3.585E-014	----		
Accelerometer Coefficients - 7		Master	----	----	-1.597E-003	----		
Accelerometer Coefficients - 8		Master	----	----	5.059E-005	----		
Accelerometer Coefficients - 9		Master	----	----	-1.147E-008	----		
Accelerometer Coefficients - 10		Master	----	----	-7.248E-010	----		
Accelerometer Coefficients - 11		Master	----	----	7.093E-013	----		
Gamma-Ray Detector Serial Number		Master	----	----	0	----		

Company:	Wavetech Helium Inc	
Well:	1 Wavetech Harker Family 31-22	
Field:	Harker Ranch	
County:	Cheyenne	
State:	Colorado	
Platform Express		
Triple Combo		