

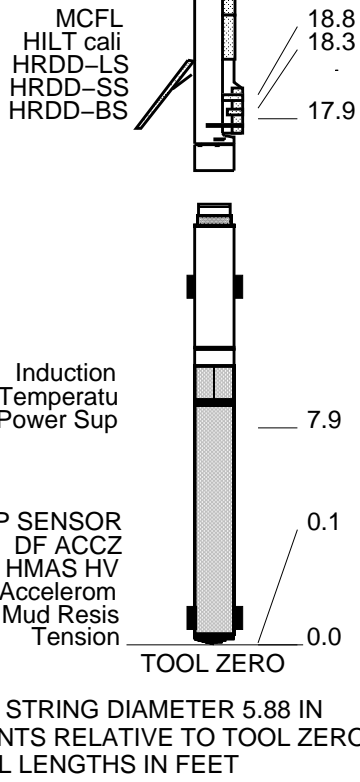


Matrix changes are as noted on the porosity print

Rig: Ensign 128					
Crew: Mark Hoffman, Derrick Hunter					
RUN 1 SERVICE ORDER #: BFN8-00041 PROGRAM VERSION: 18C0-147 FLUID LEVEL: 50 ft			RUN 2 SERVICE ORDER #: PROGRAM VERSION: FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP
EQUIPMENT DESCRIPTION					
RUN 1			RUN 2		
SURFACE EQUIPMENT GSR-U/Y NCT-B CNB-AB NCS-VB GSR-U 1079 WITM (EDTS)-A					
DOWNHOLE EQUIPMENT					
LEH-QT LEH-QT		58.8			
EDTC-B EDTH-B EDTC-B EDTG-A/B	MDSB_EDTC Mud Tempe	55.8			
	CTEM Gamma Ray EFTB DIAG TelStatus EDTCB Ele	52.3 50.5 49.3			
HNGS-BA HNGS-BA 169 HNSH-BA 313	Upper_1 Lower_2	49.3 47.1 46.4			
HNGC-B HNGH-A 186 HNGC-B 292	HNGC Stat	41.1 39.4			
HILTB-FTB HGNSD-B 940 HMCA HGNH NLS-KL NSR-F 5168 HACCZ 419 HCNT HGR HRCC-B HRMS-B HRGD-B 1748 GLS-VJ 5363 MCFL Device HILT Nucl. LS 42767 HILT Nucl. SS 42767 HILT Nucl. BS 42767	HGNS HTEM HMCA HGNS Gamm HGNS Neut HGNS Neut HGNS sens HRCC cart	37.6 36.9 31.1 30.6 28.2 24.2			

BOW-SPR  
NPV-N

HAIT-H  
AHIS-BA 216  
AHRM-A



Production String	(in)			(ft)	Well Schematic	(ft)	(in)			Casing String
	OD	ID	MD				MD	OD	ID	
						0.0	8.625			Casing String
						1270.0	8.625			Casing Shoe
						1270.0	7.875			Borehole Segment

				<div> <div></div> <div></div> </div>	<div> <div></div> <div></div> </div>			
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All Depths are Driller's  
Depths

Schlumberger

COMBO LOG 5" = 100'

MAXIS Field Log

Company: Noble Energy, Inc.

Well: DF Ranch 1161-08-42

Input DLIS Files						
DEFAULT	SPLICE_AIT_TLD_MCFL_022L	FN:1	PRODUCER	11-Oct-2010 19:37	7995.0 FT	1102.5 FT
Output DLIS Files						
DEFAULT	AIT_TLD_MCFL_CNL_024PUP	FN:21	PRODUCER	11-Oct-2010 19:41	7995.0 FT	1103.0 FT

OP System Version: 18C0-147			
HAIT-H	18C0-147	HILTB-FTB	18C0-147
HNGC-B	18C0-147	HNGS-BA	18C0-147
EDTC-B	18C0-147		

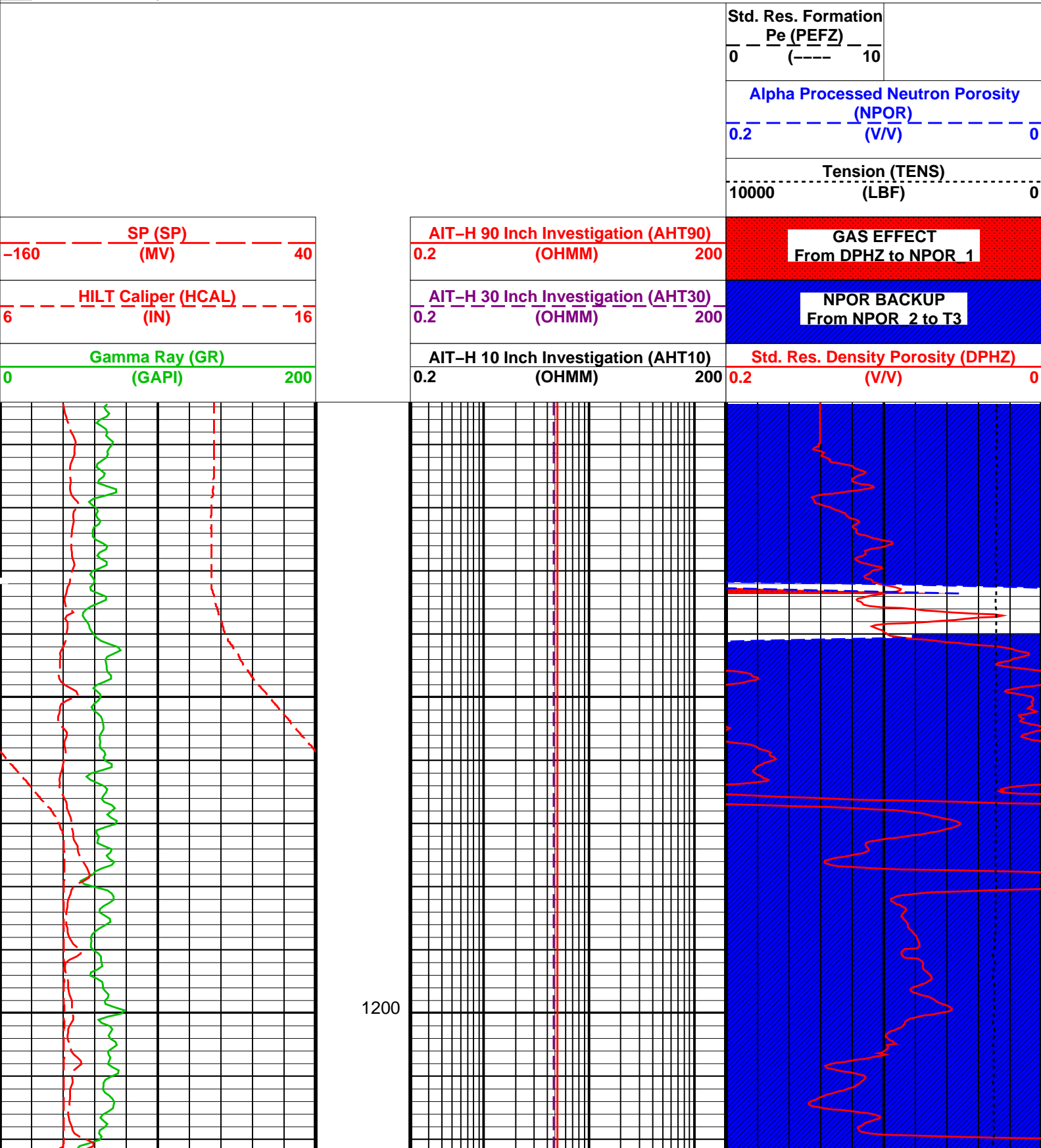
Changed Parameter Summary

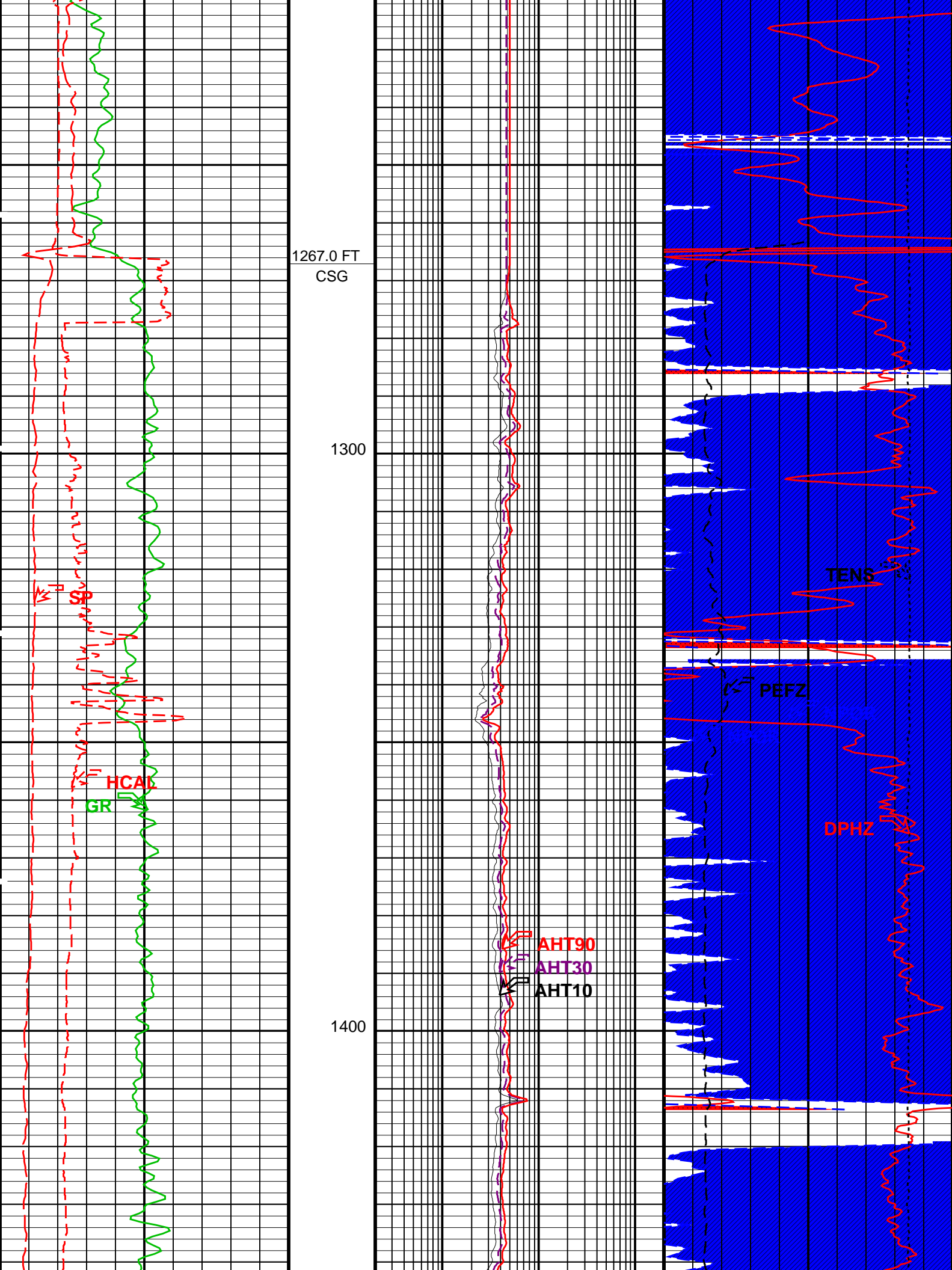
Changed Parameter Summary

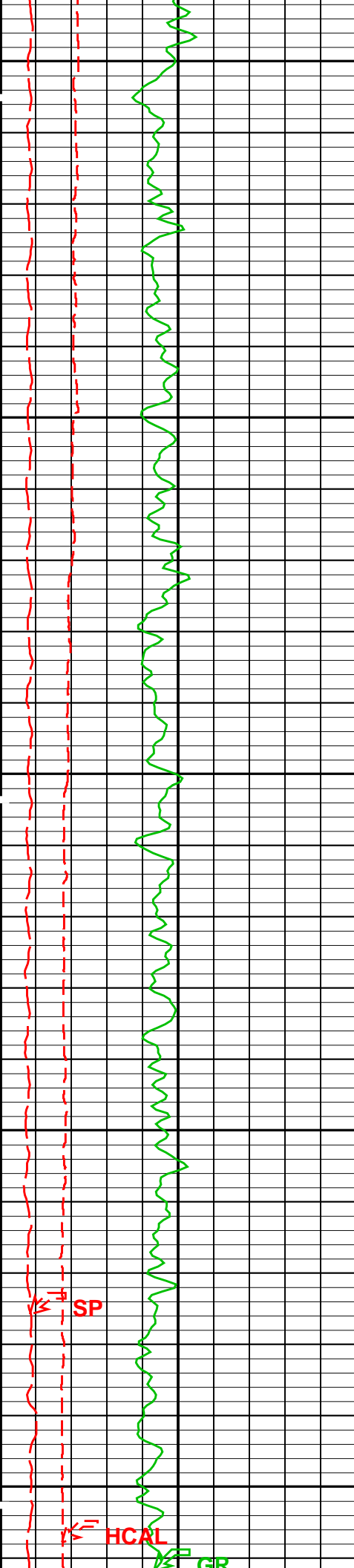
DLIS Name	New Value		Previous Value	Depth & Time
MATR	SANDSTONE		SANDSTONE	7995.0 19:41:19
	SANDSTONE		SANDSTONE	7546.0 19:41:33
	LIMESTONE		SANDSTONE	7188.0 19:41:45
	SANDSTONE		LIMESTONE	6650.0 19:42:01
MDEN	2.65	G/C3	2.68	7995.0 19:41:19
	2.68	G/C3	2.65	7546.0 19:41:33
	2.71	G/C3	2.68	7188.0 19:41:45
	2.68	G/C3	2.71	6650.0 19:42:01

PIP SUMMARY

Time Mark Every 60 S

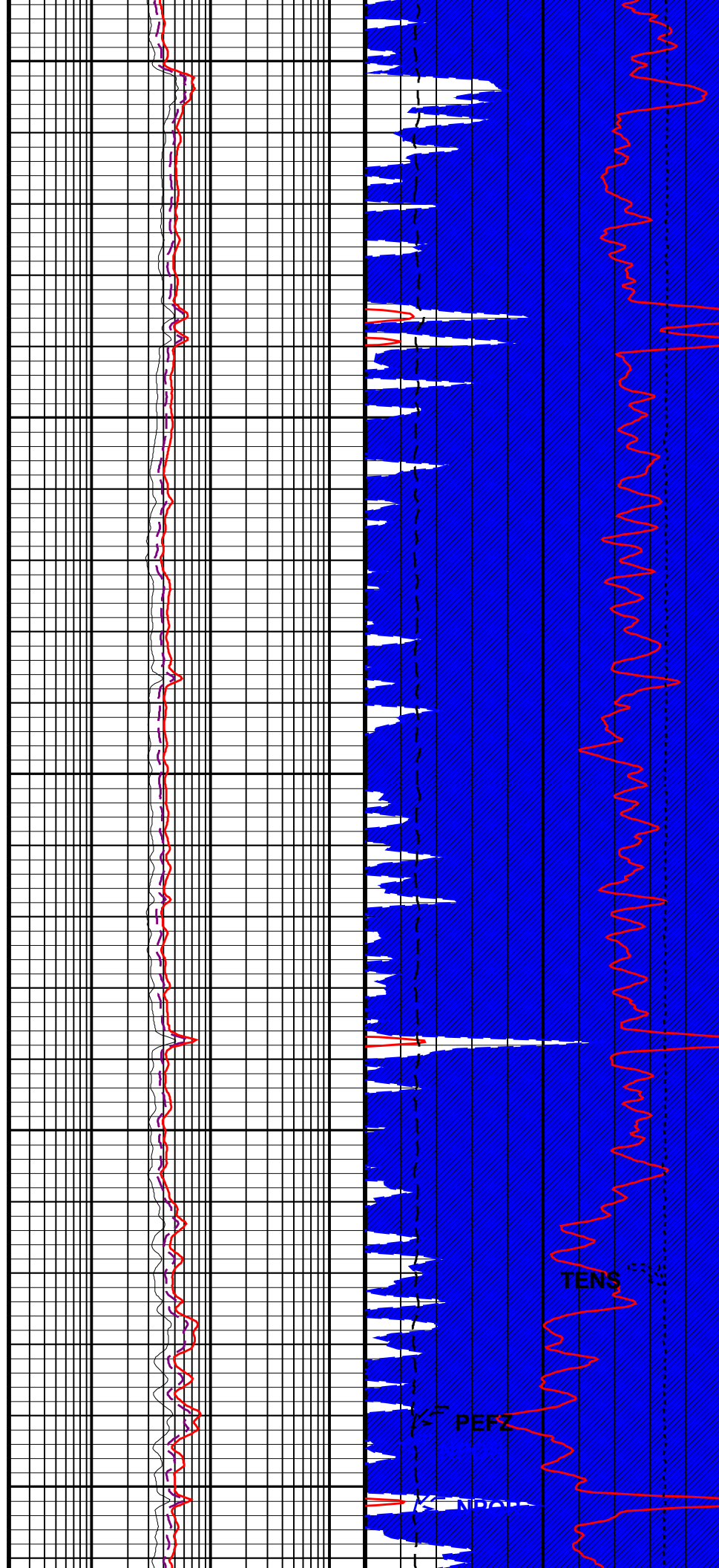






1500

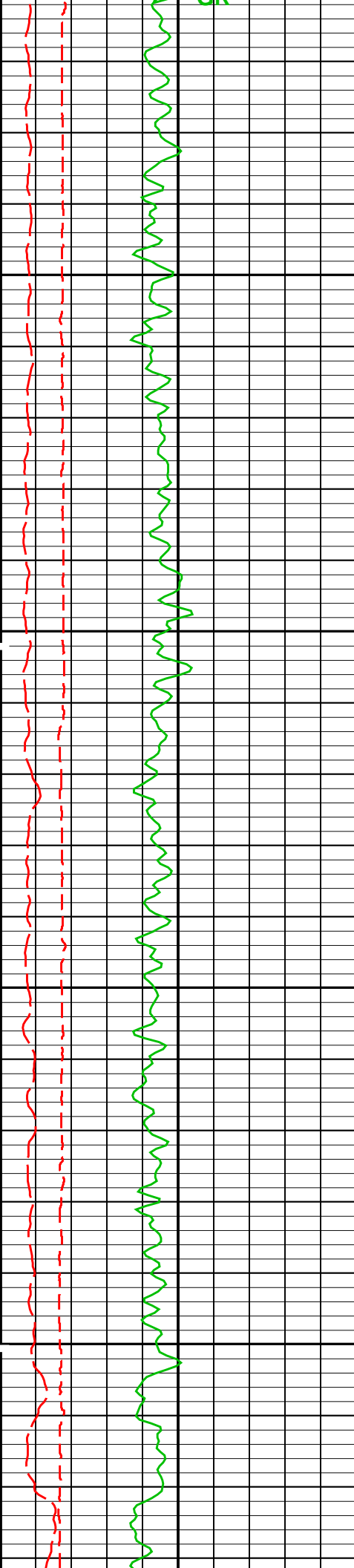
1600



TENS

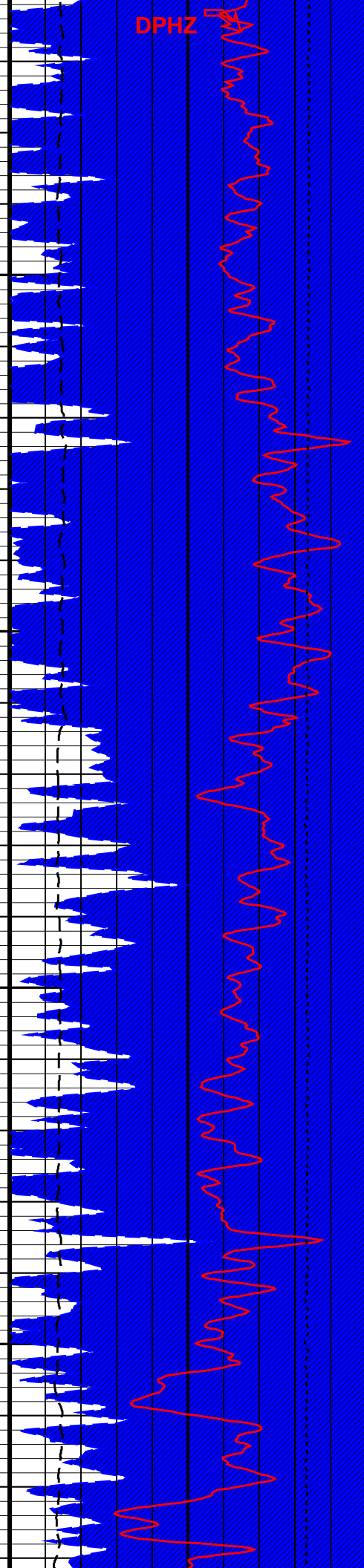
PEF2

PEF1

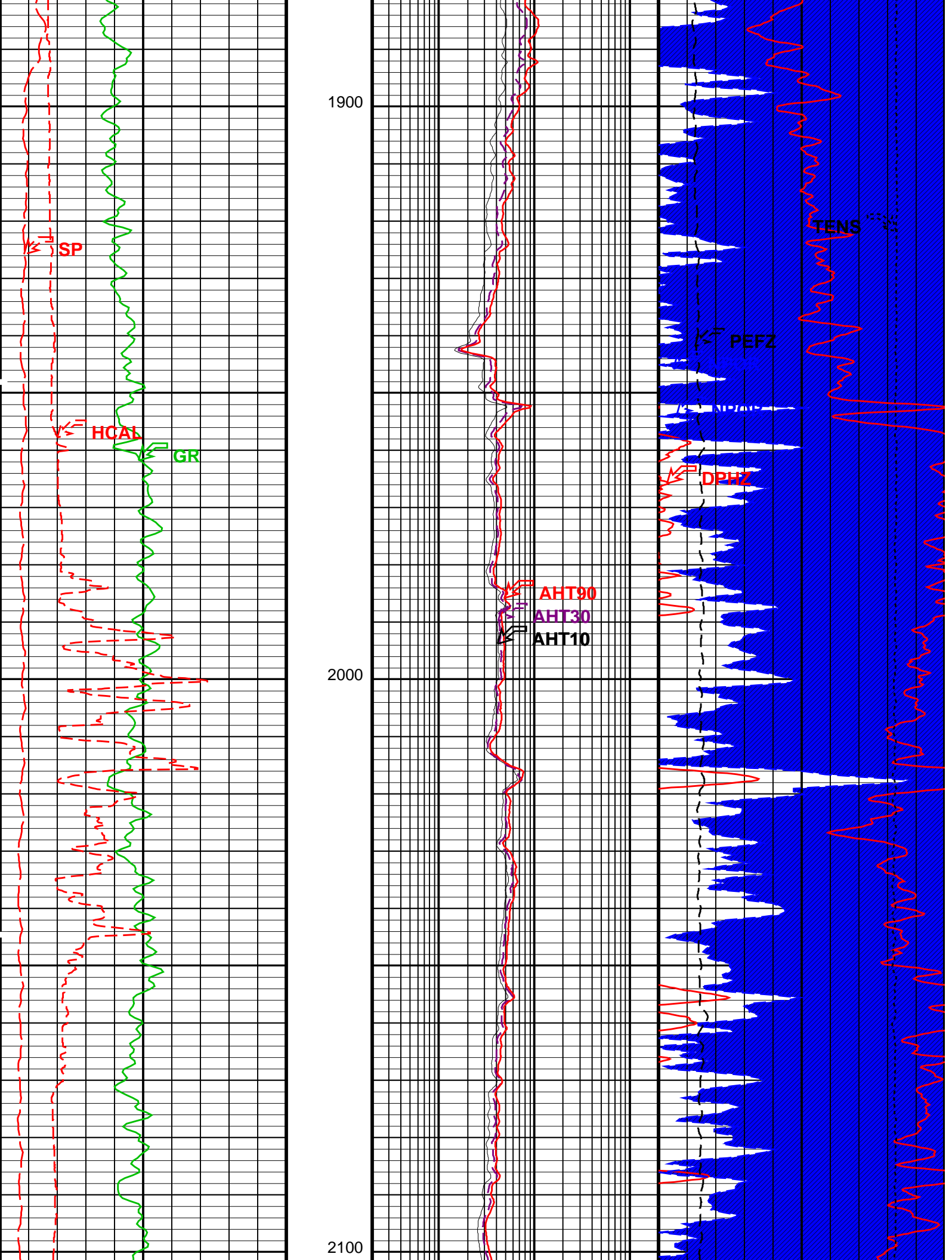


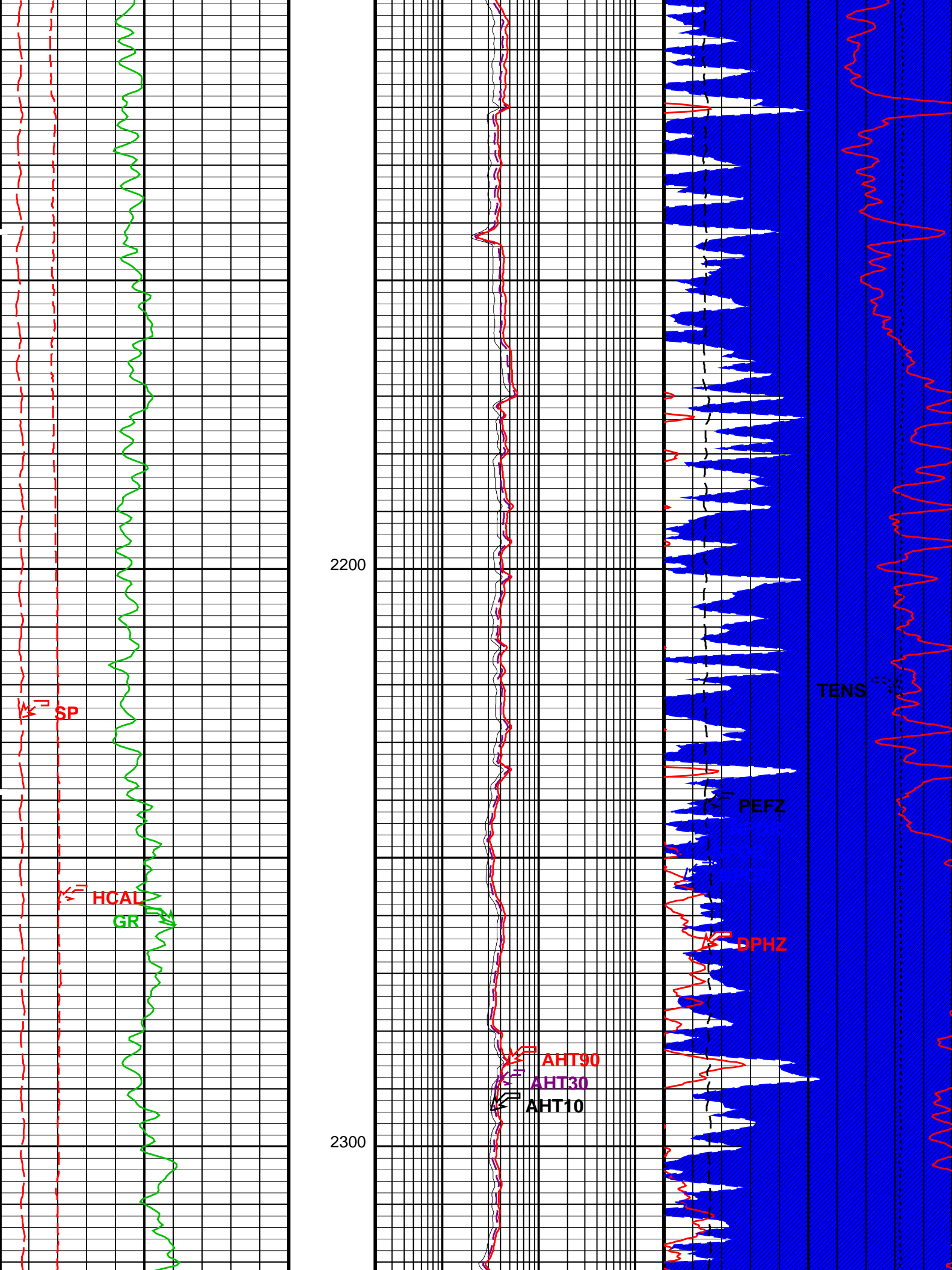
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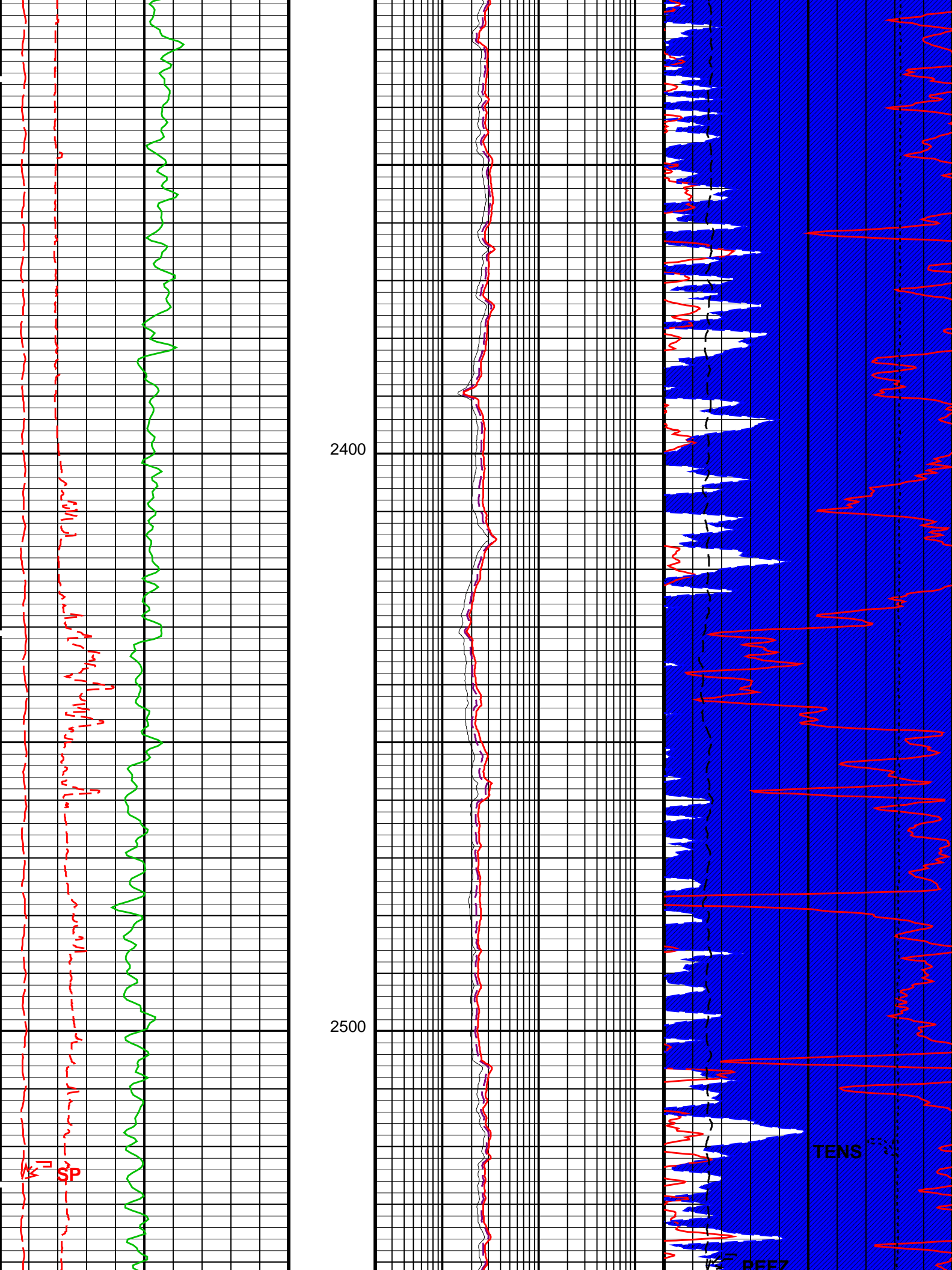
1800

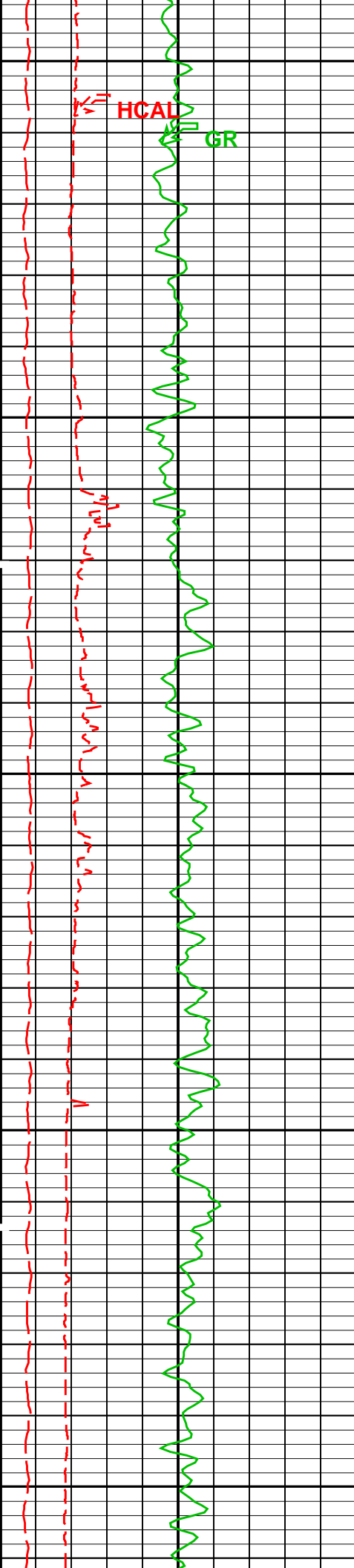


DPH2



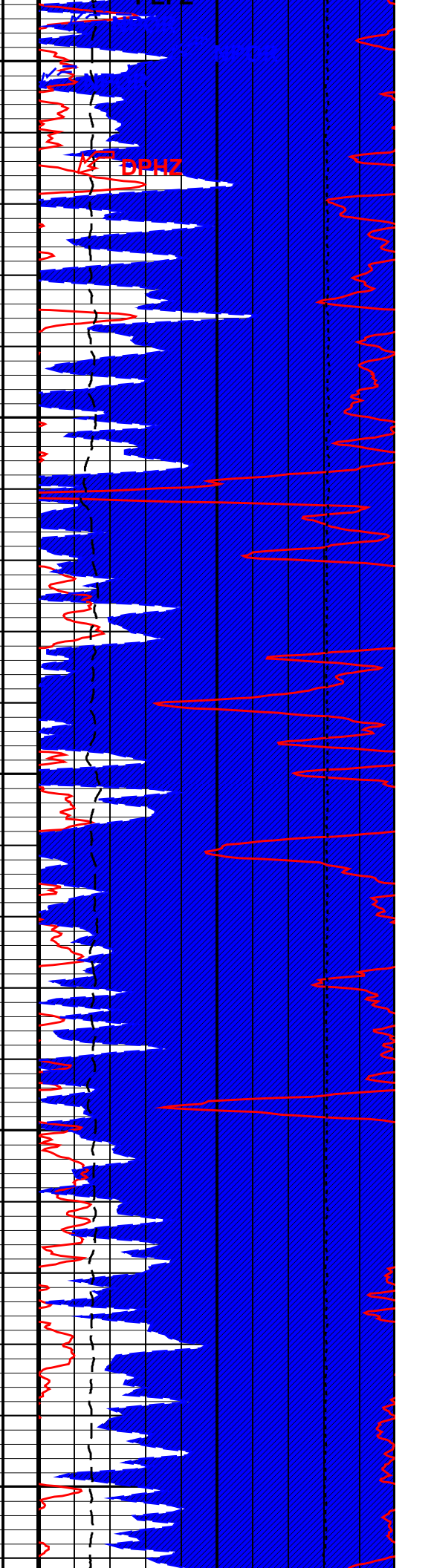
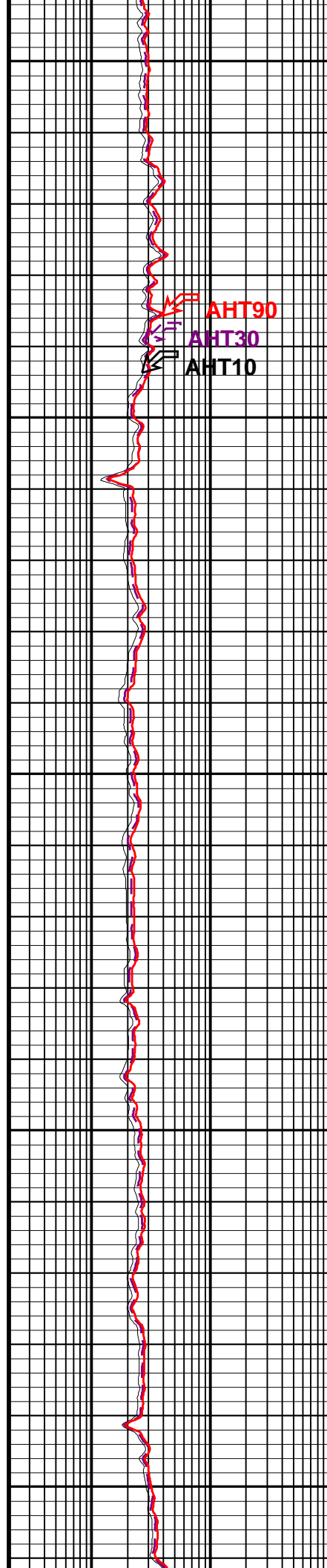


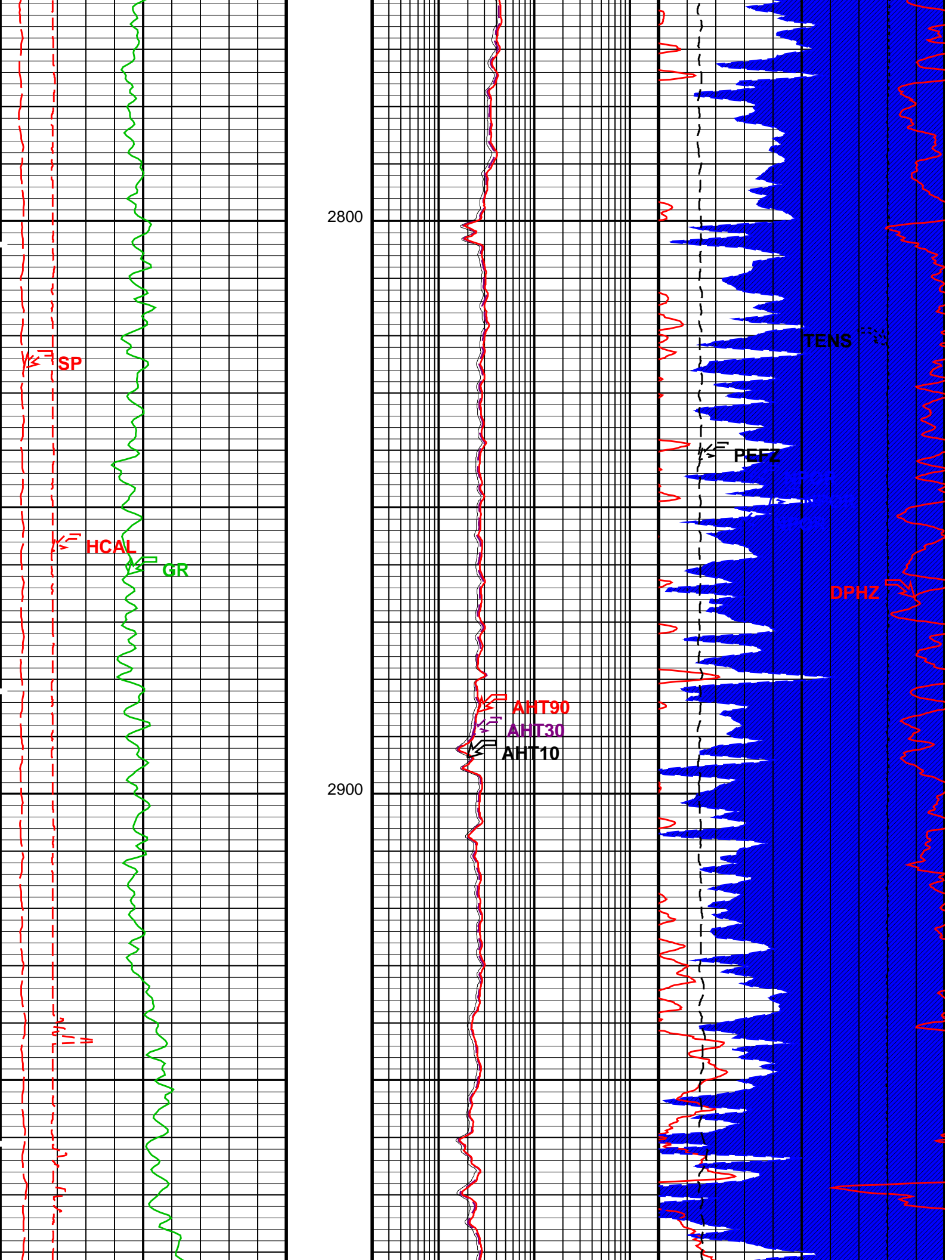


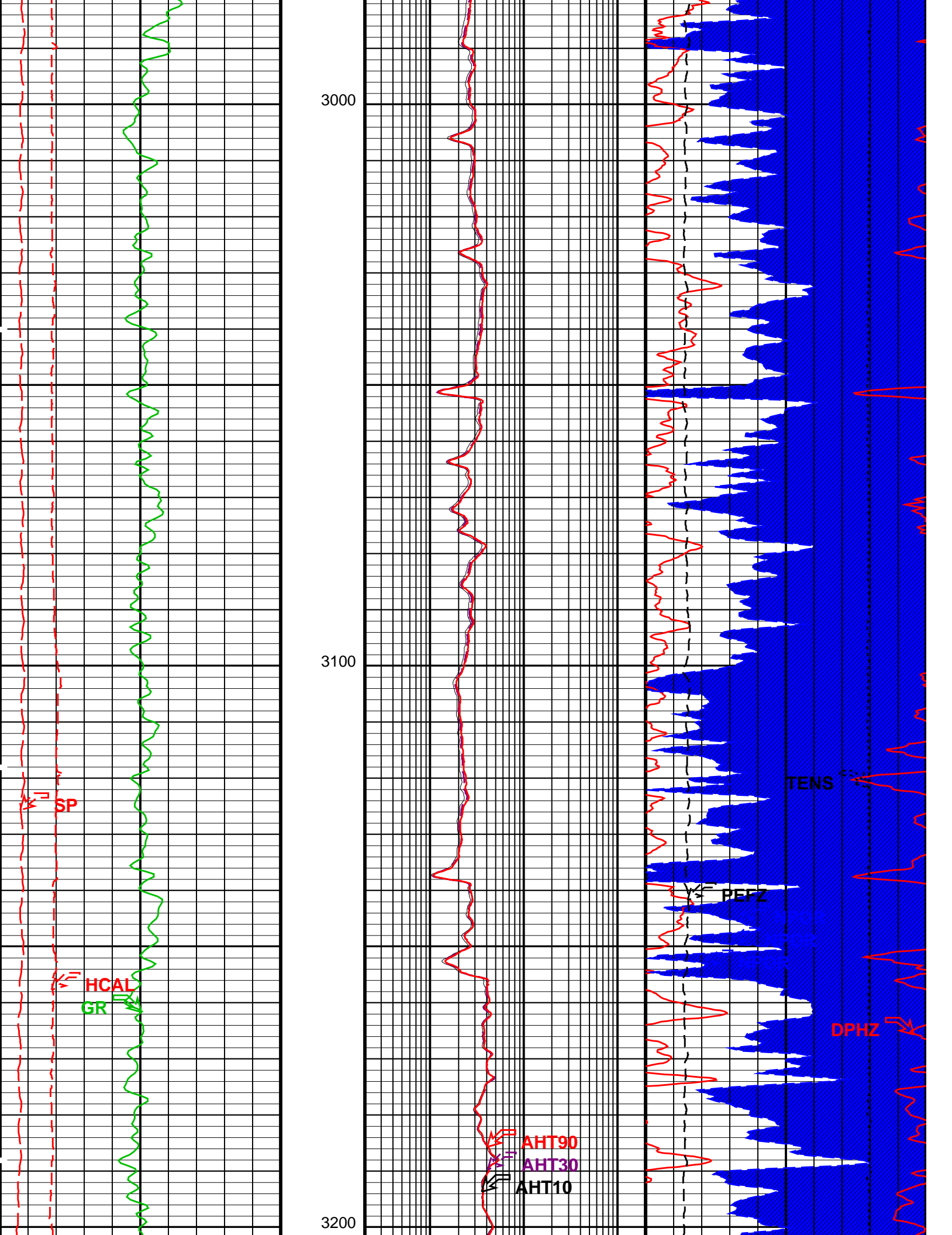


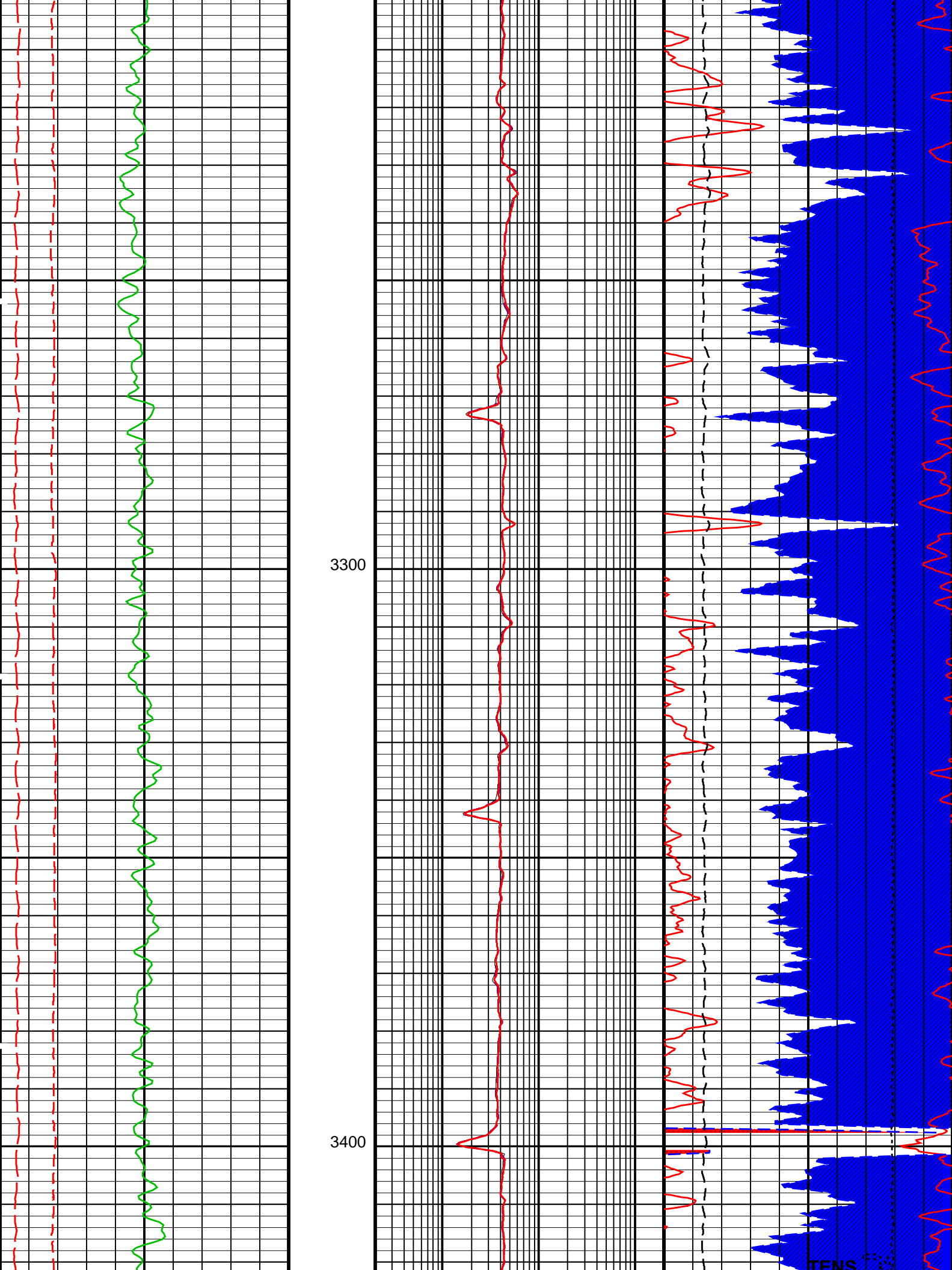
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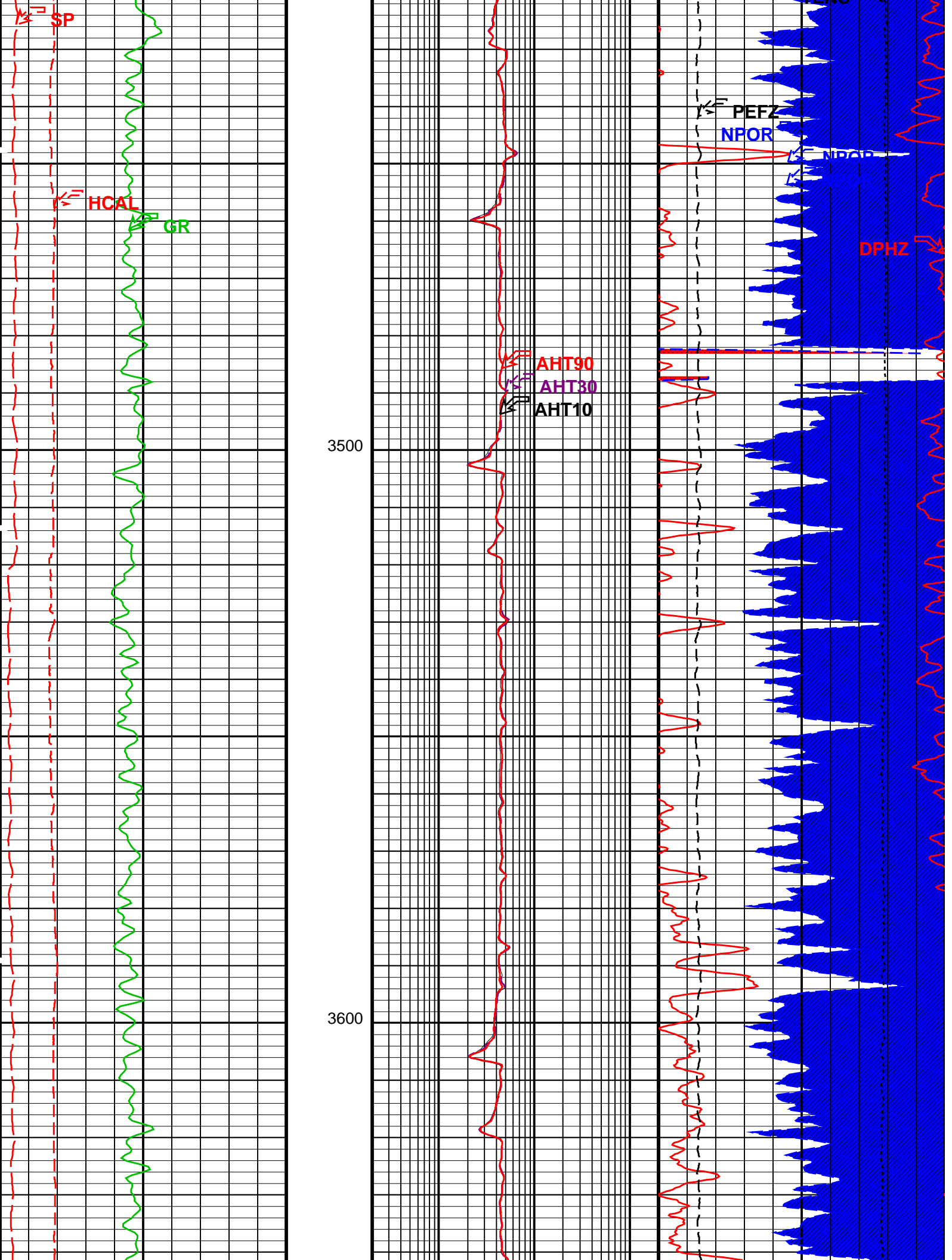
2700

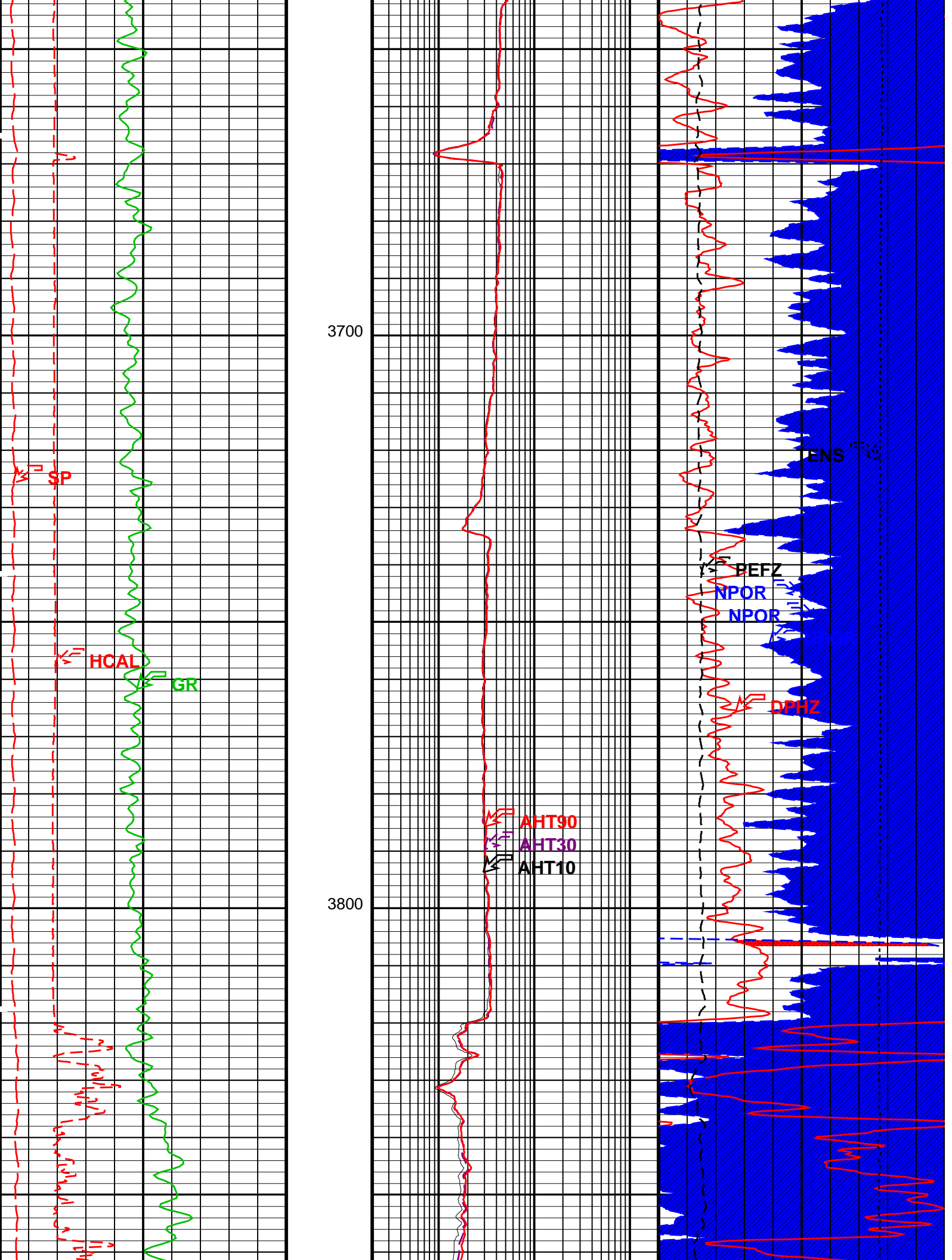


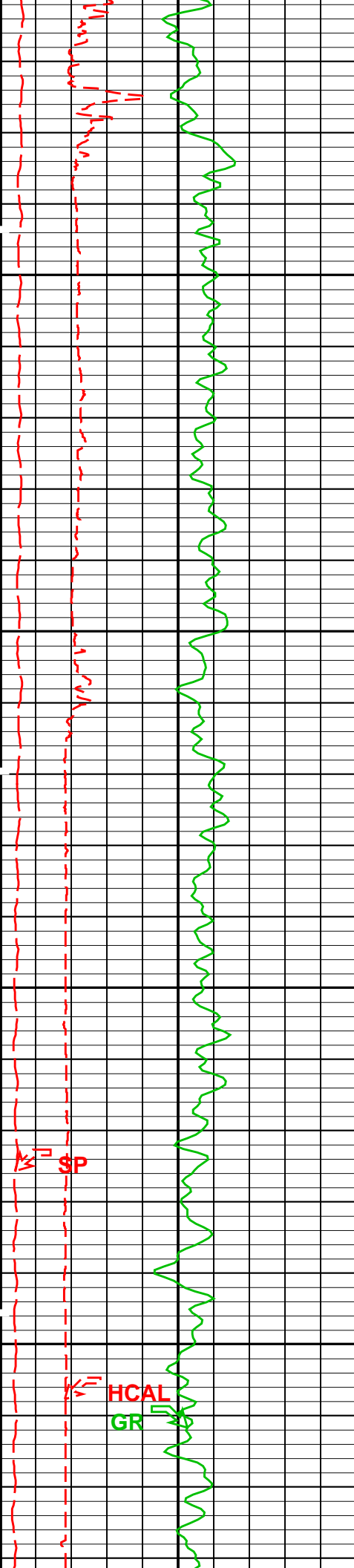






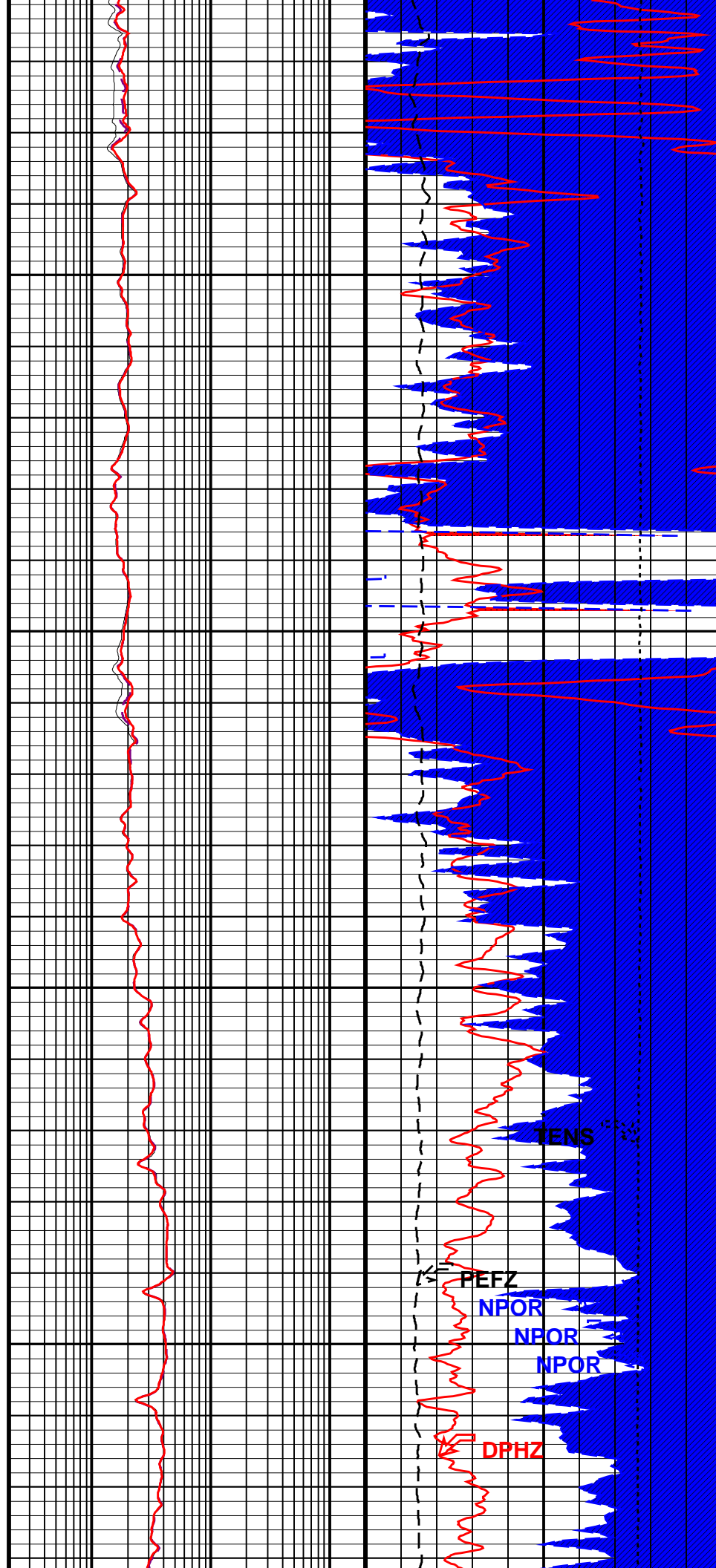


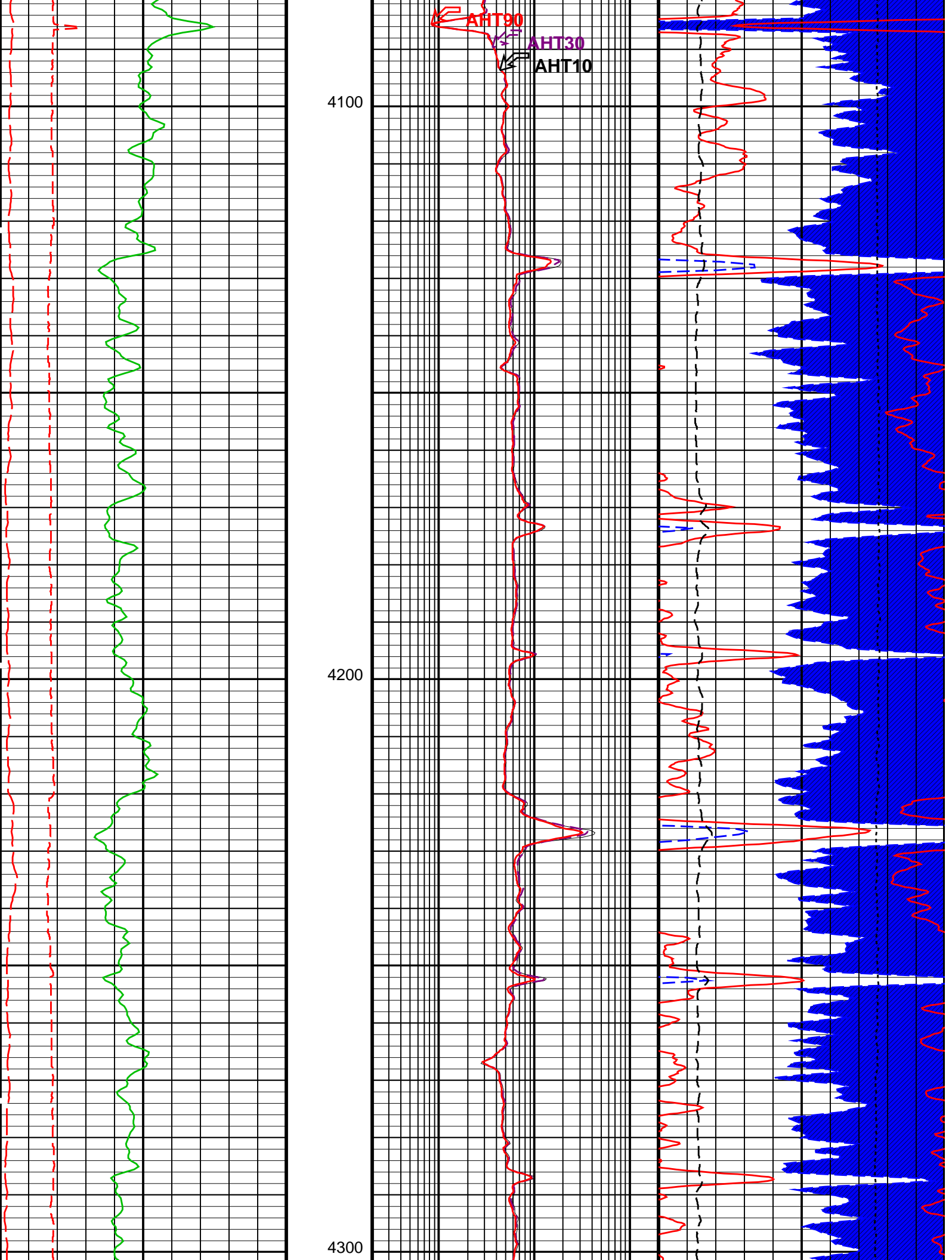


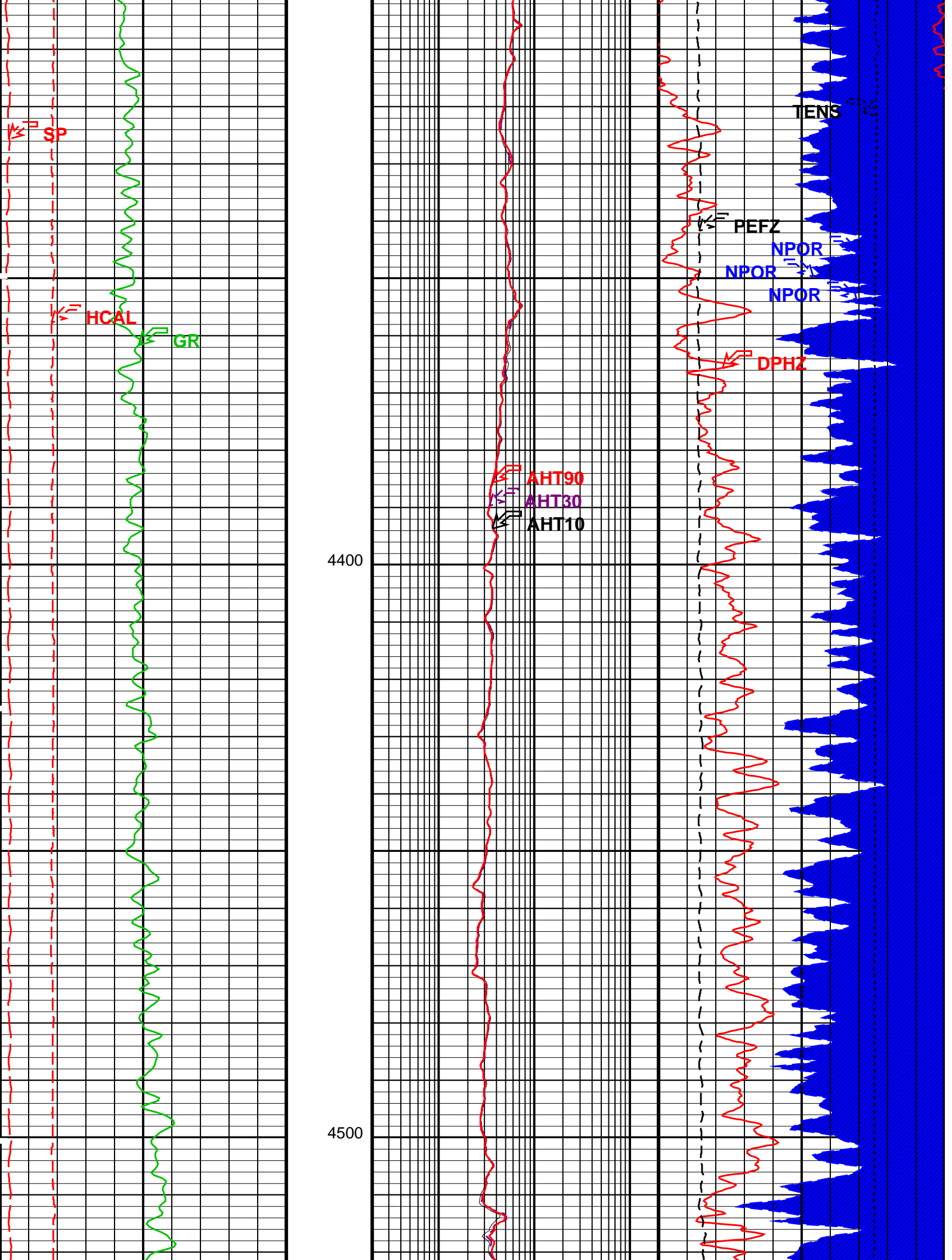


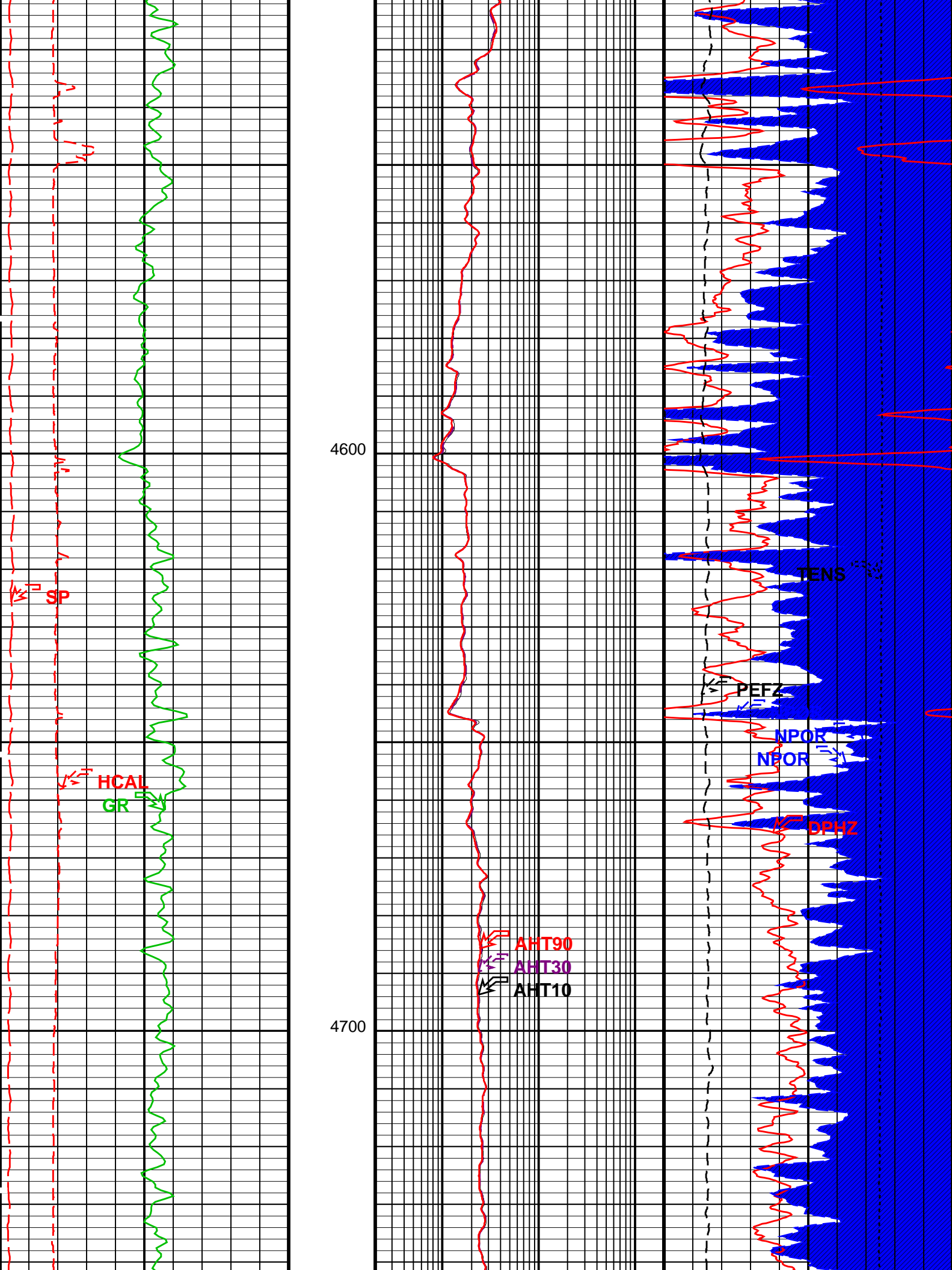
3900

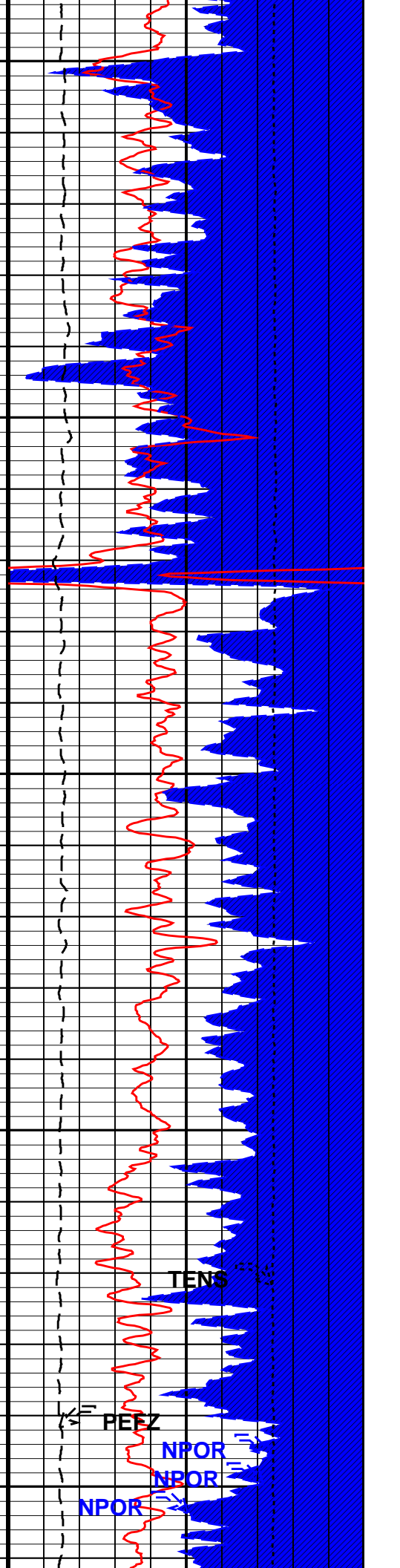
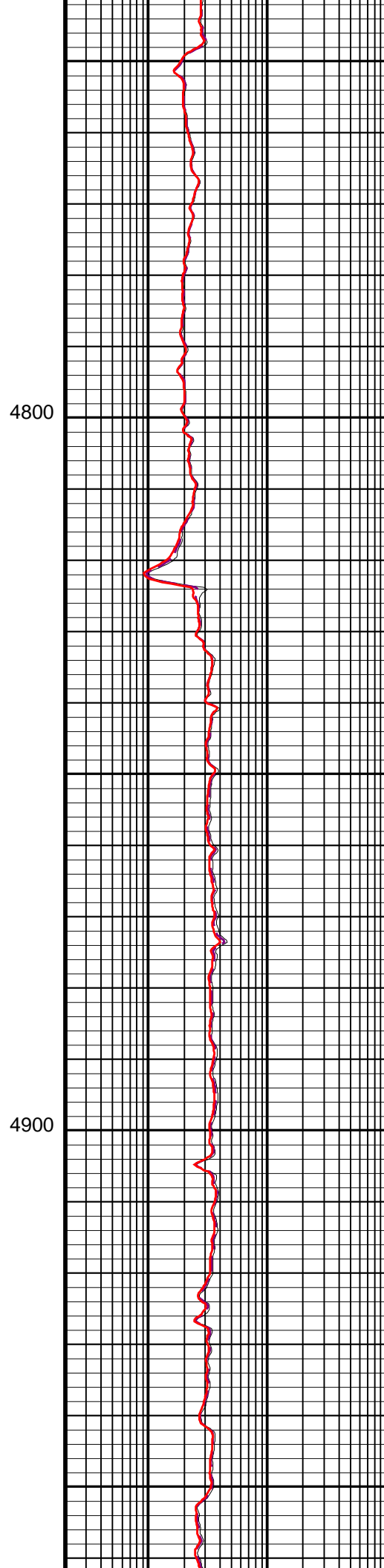
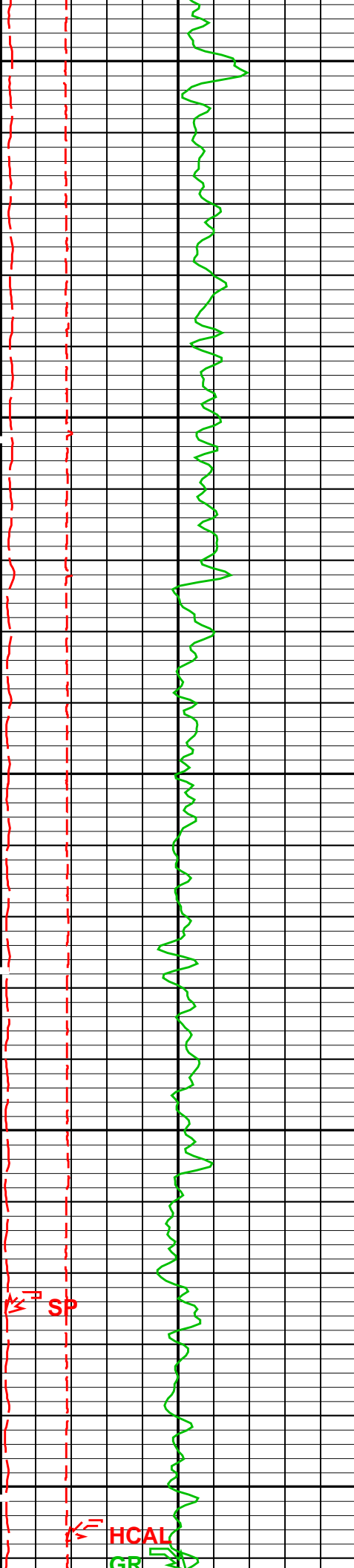
4000

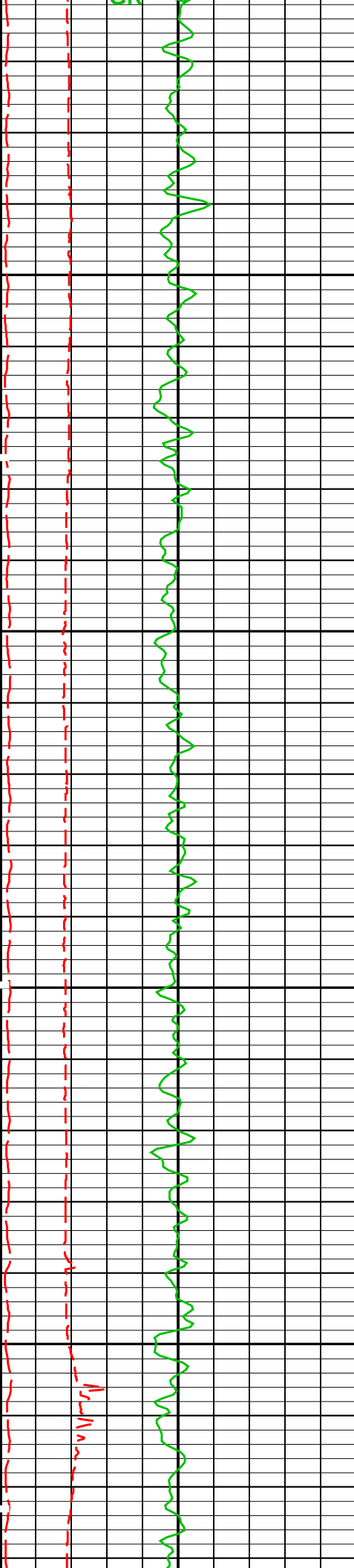






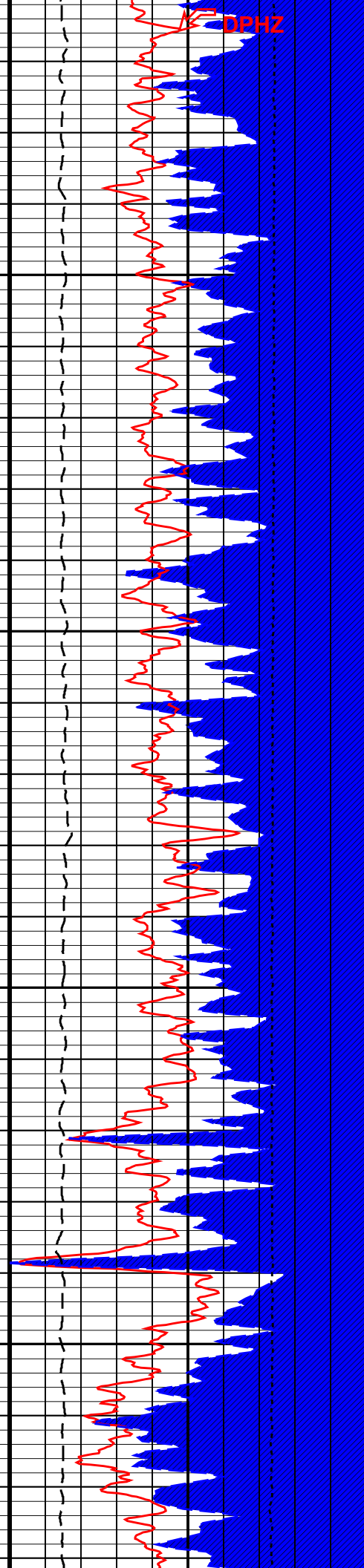
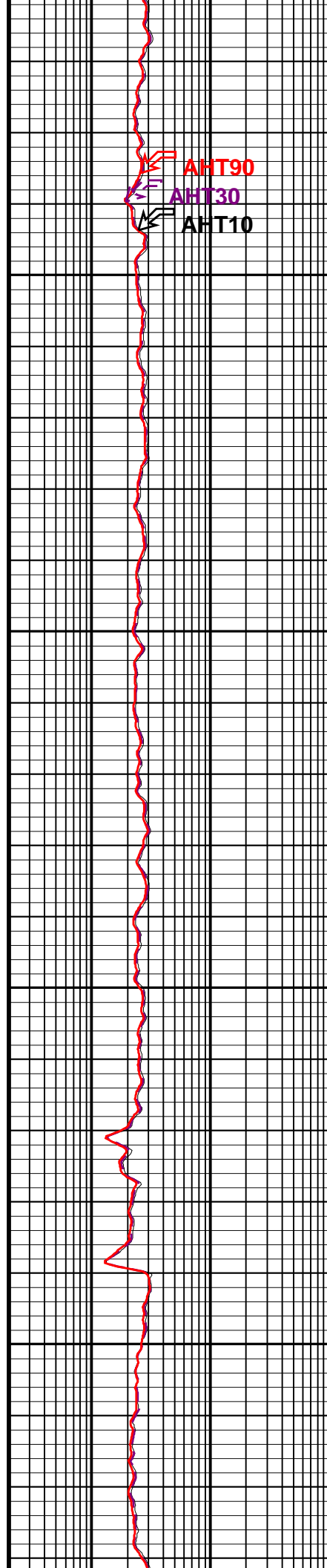


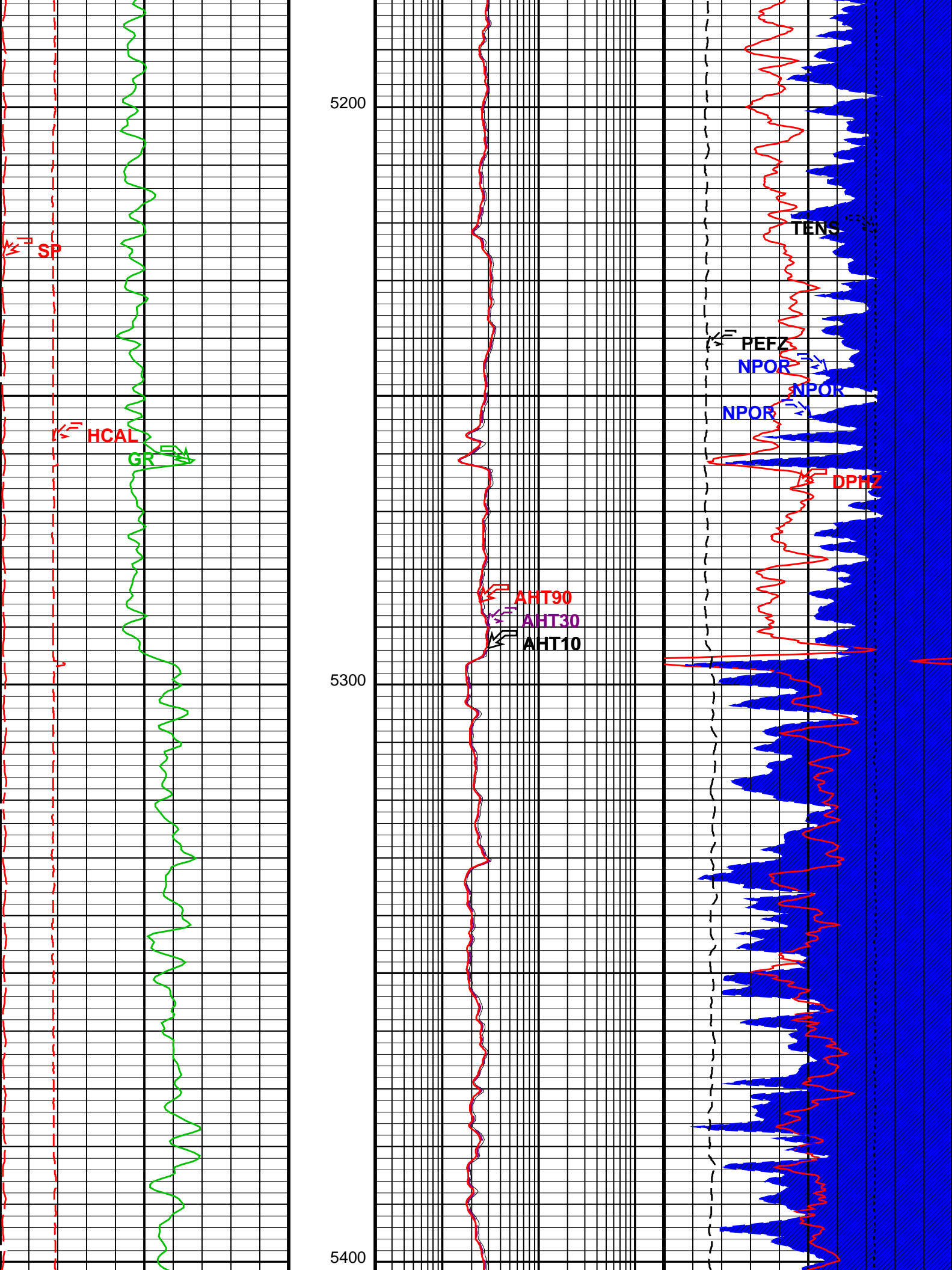


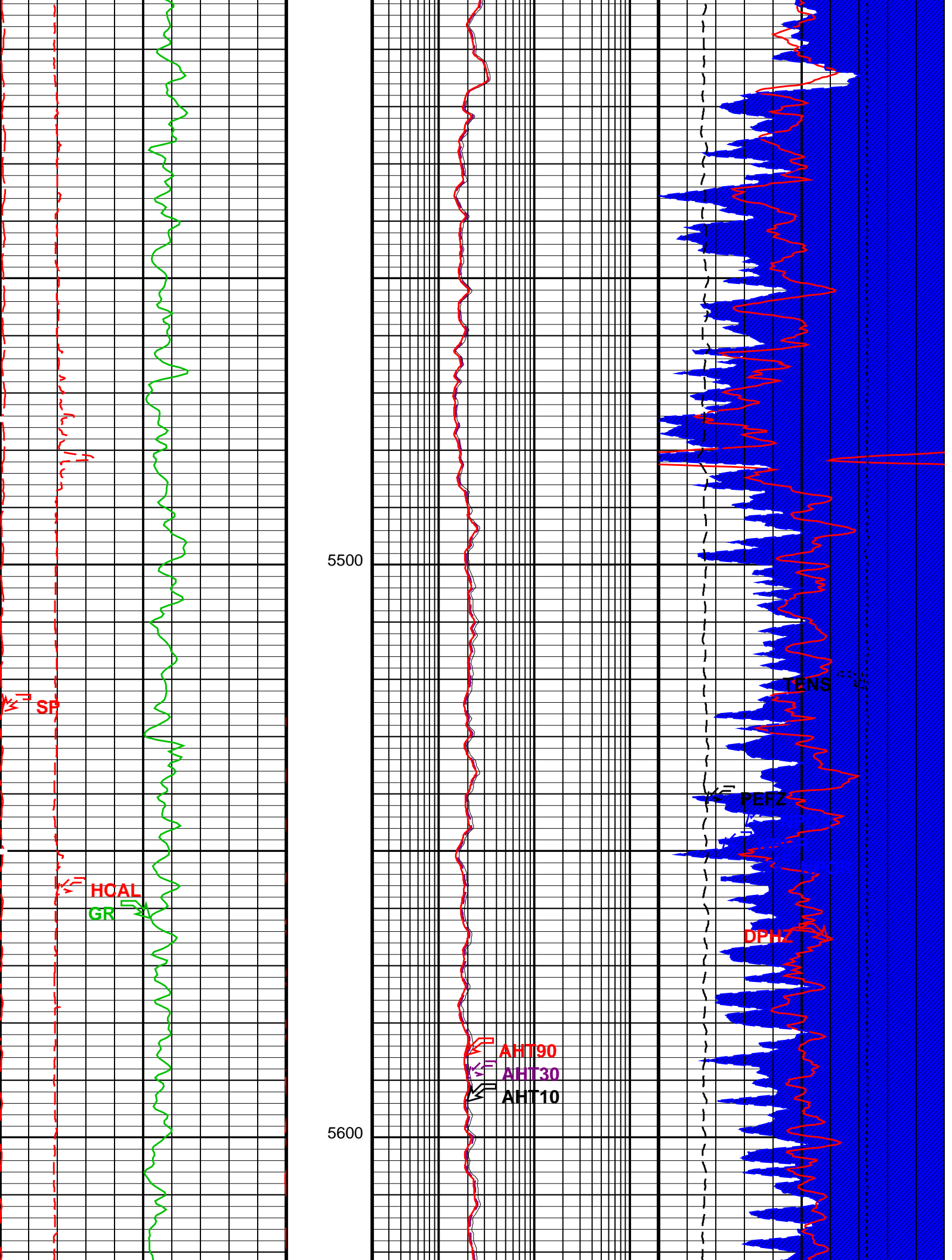


5000

5100



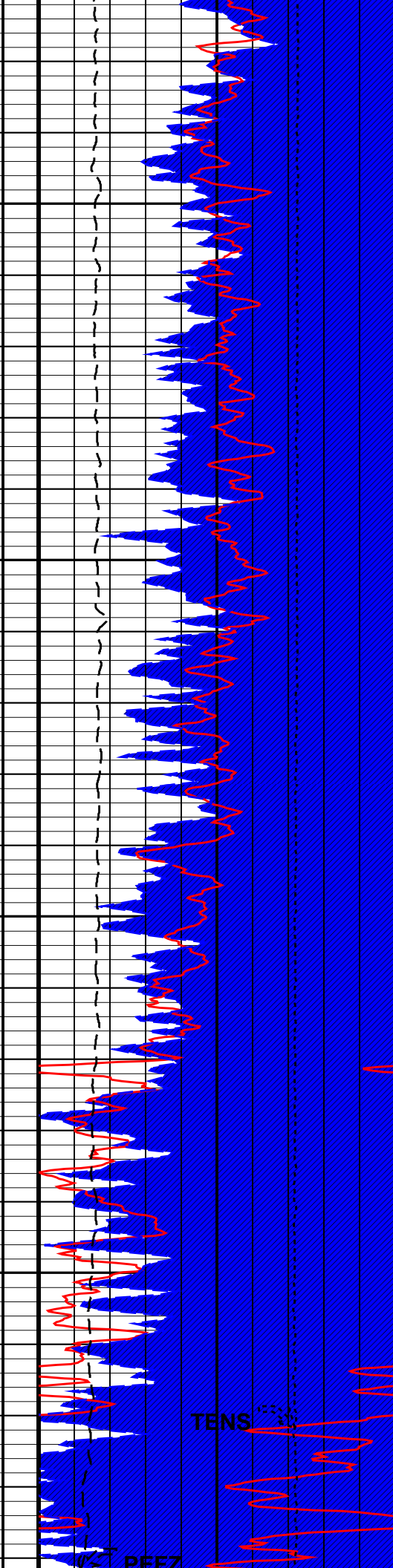
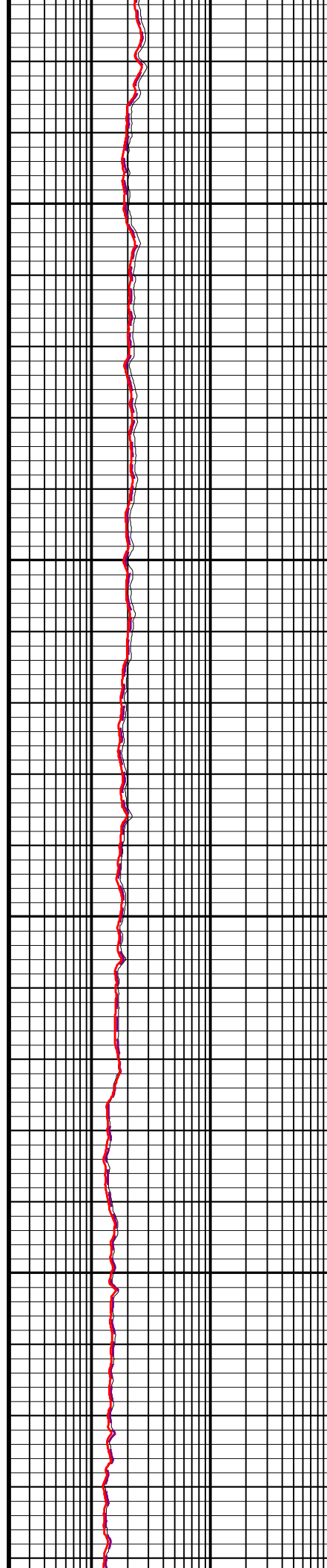


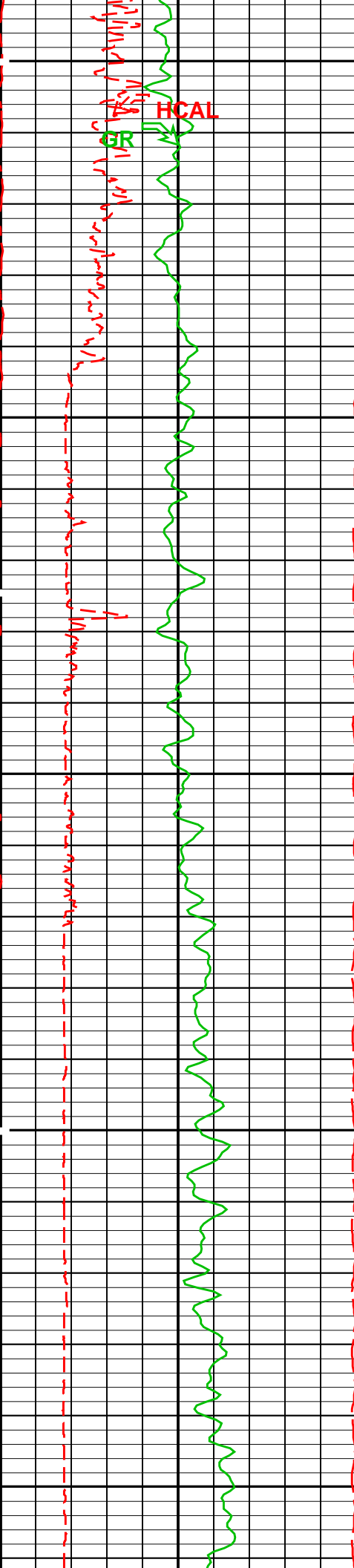




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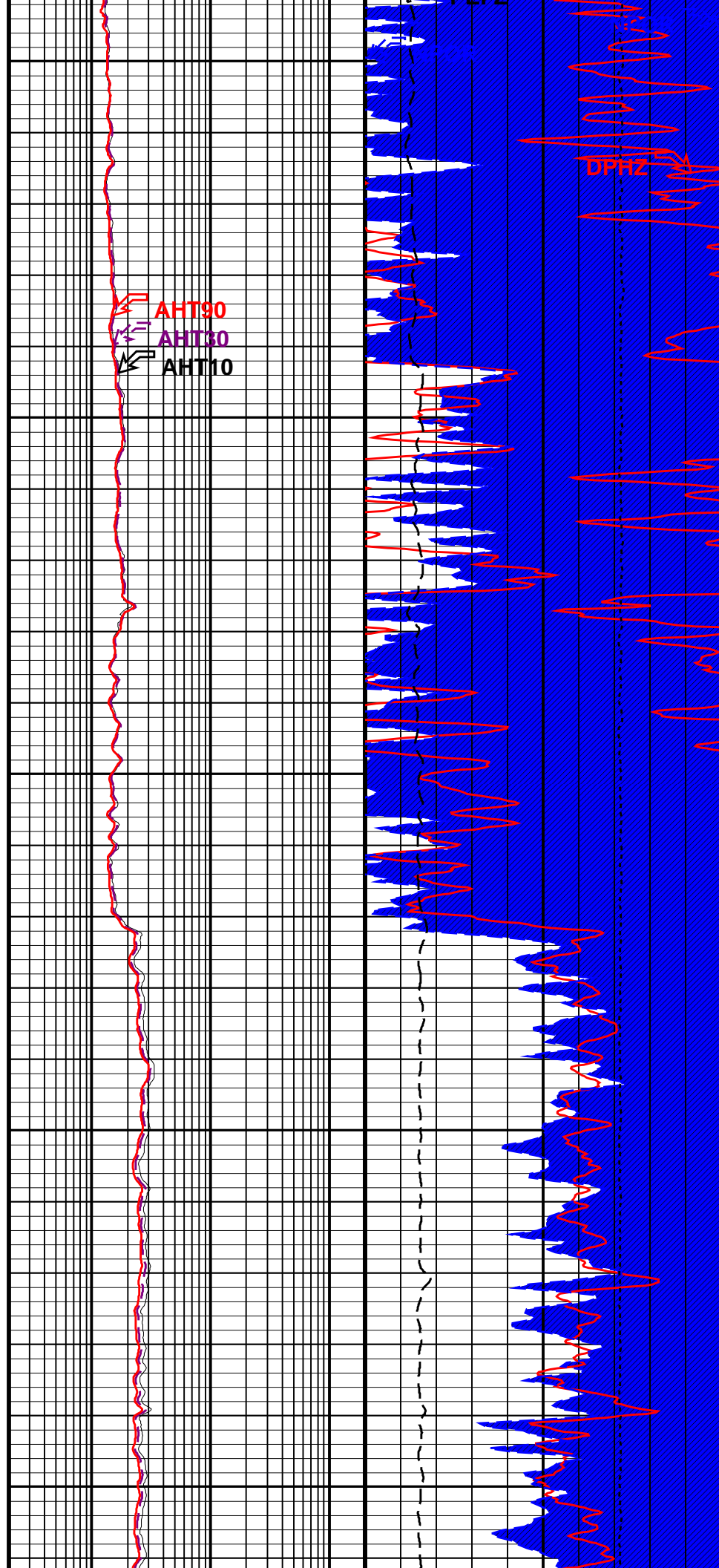
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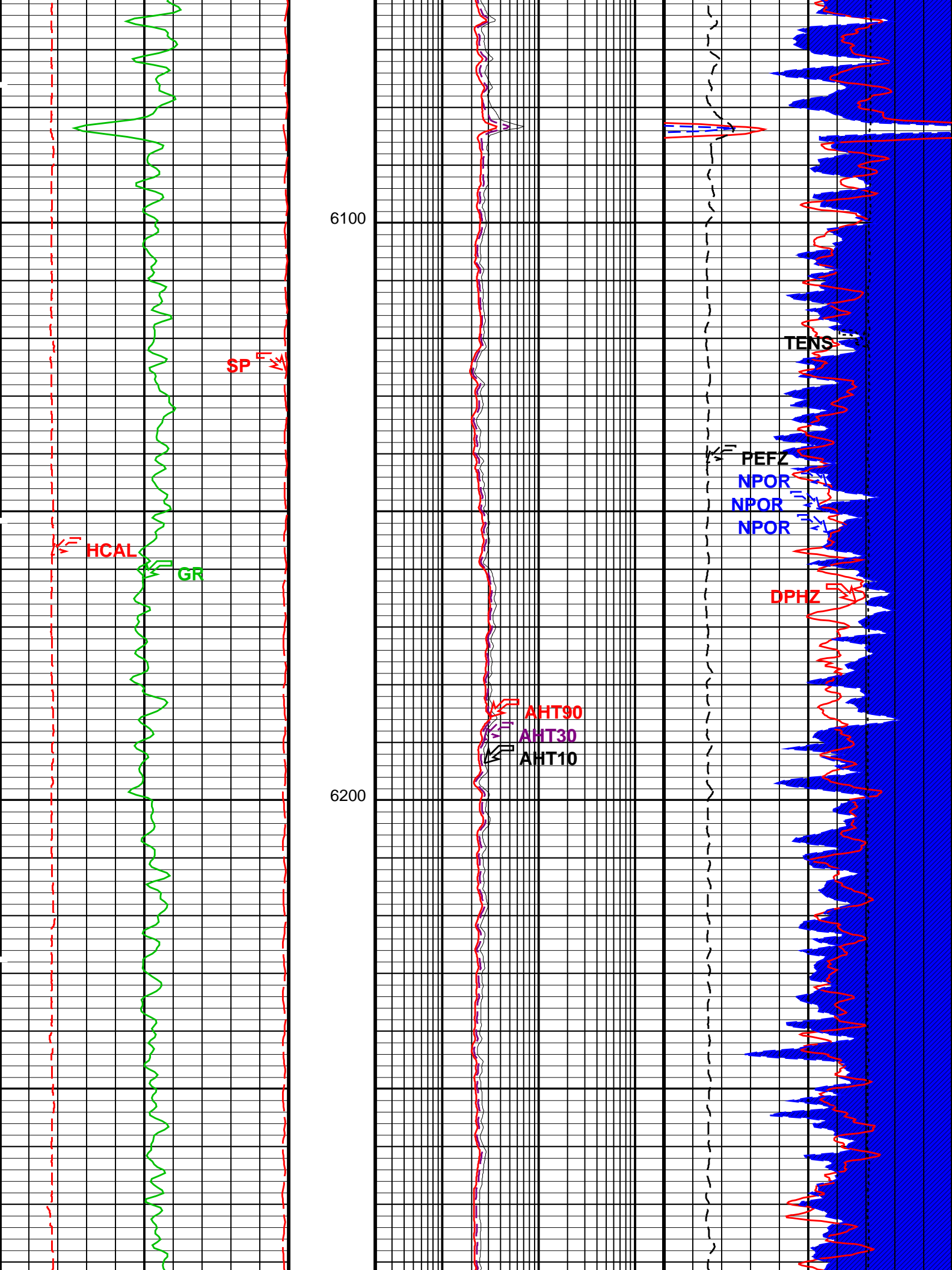


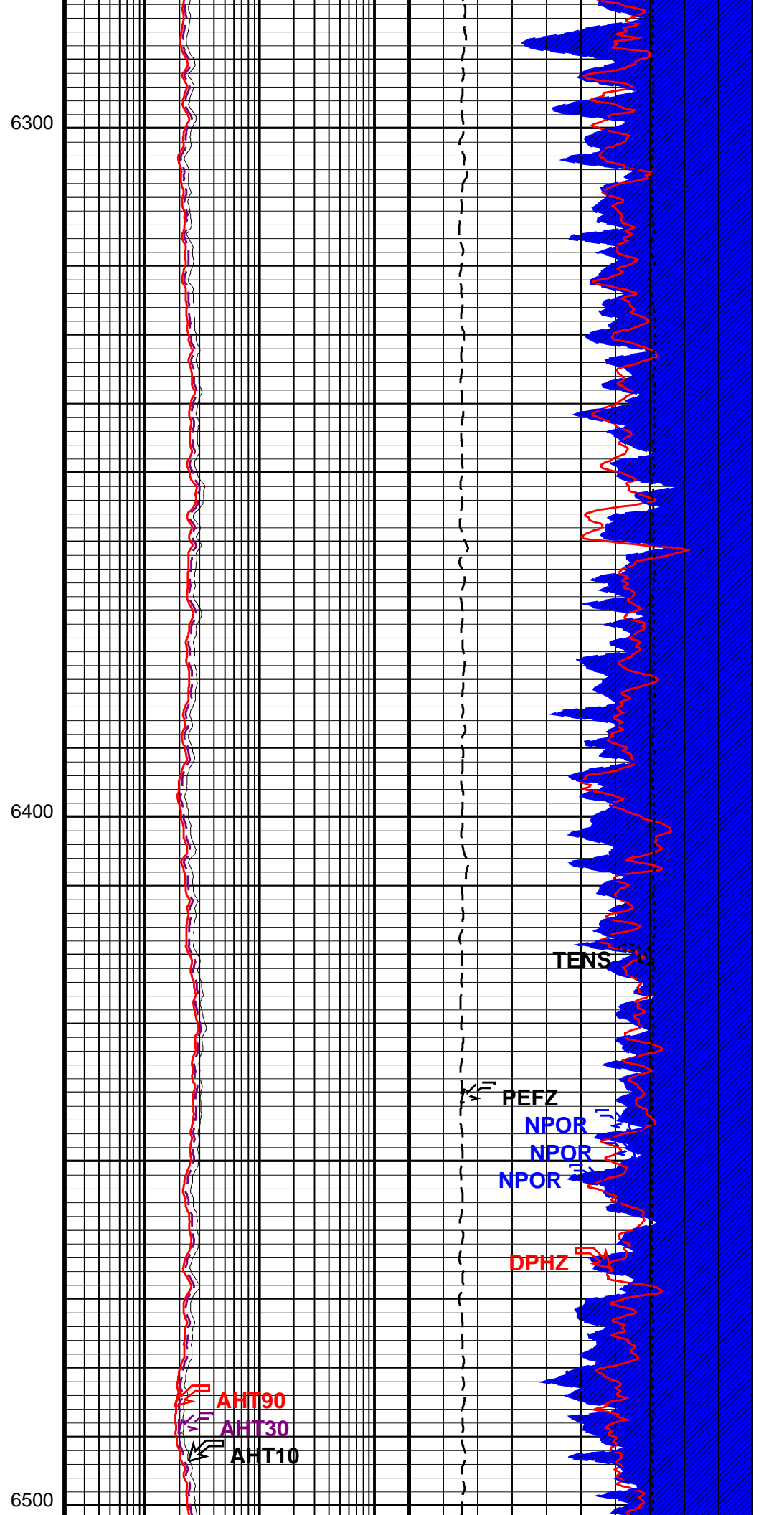
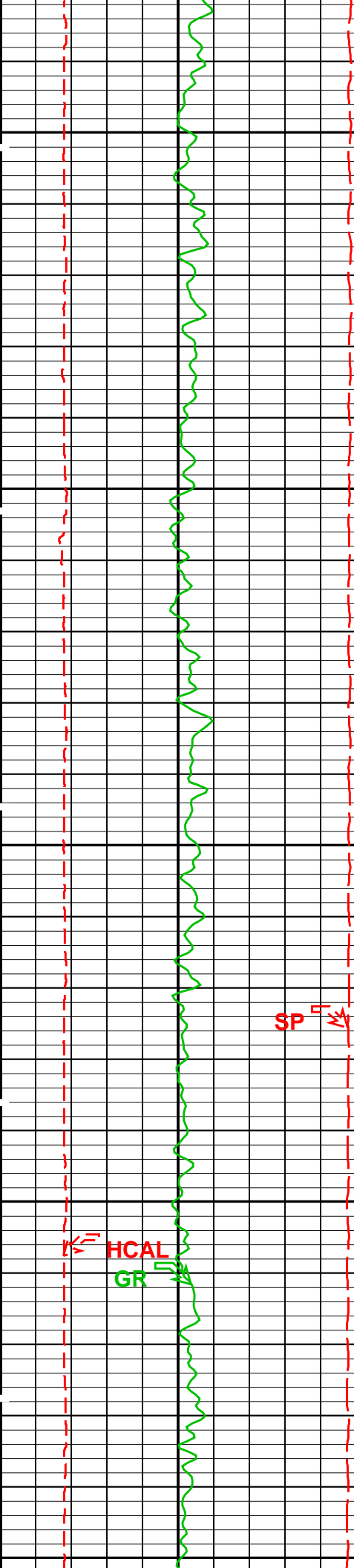


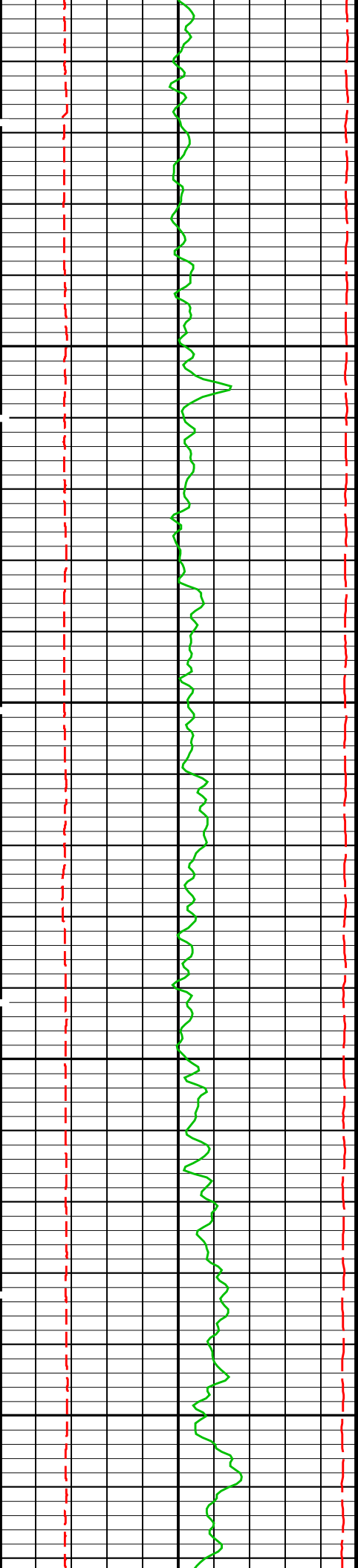
5900

6000





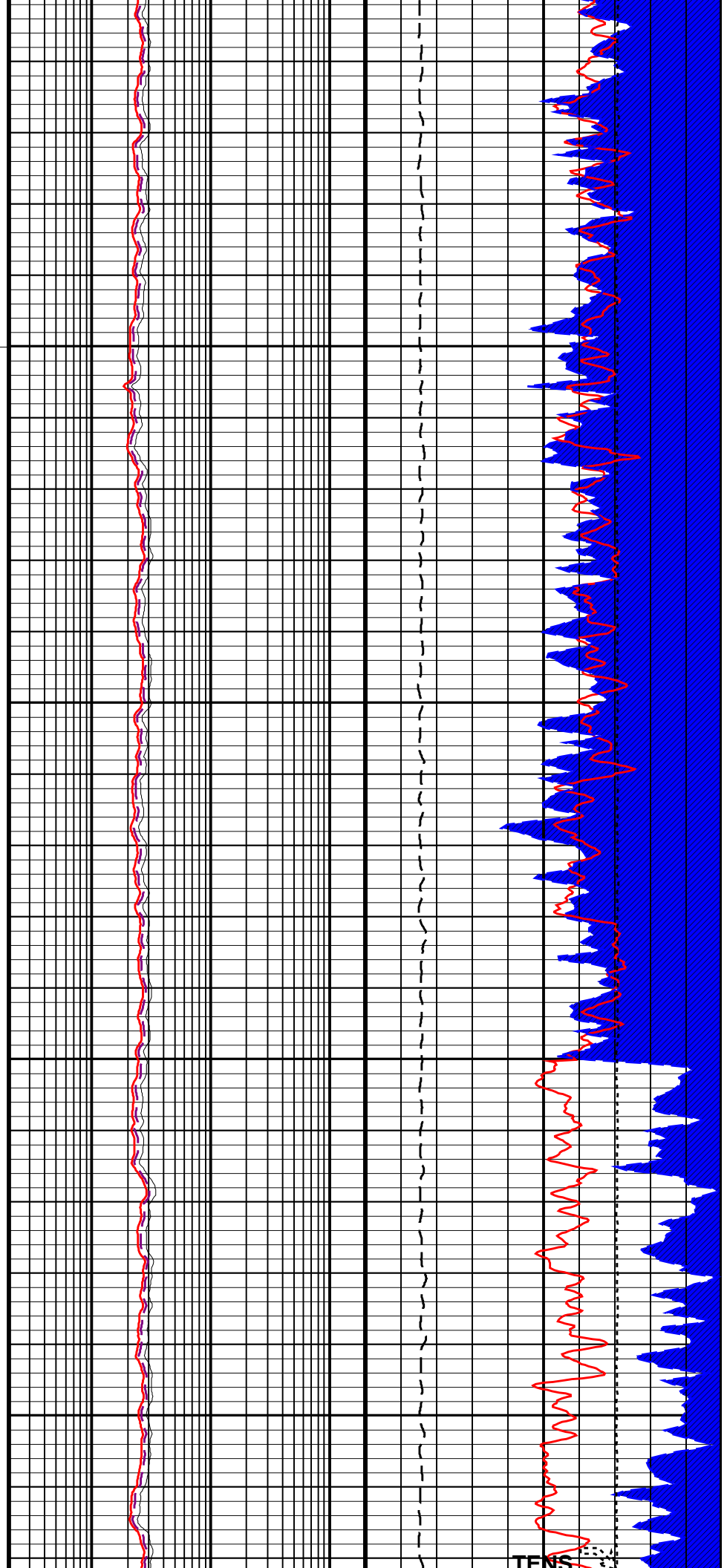




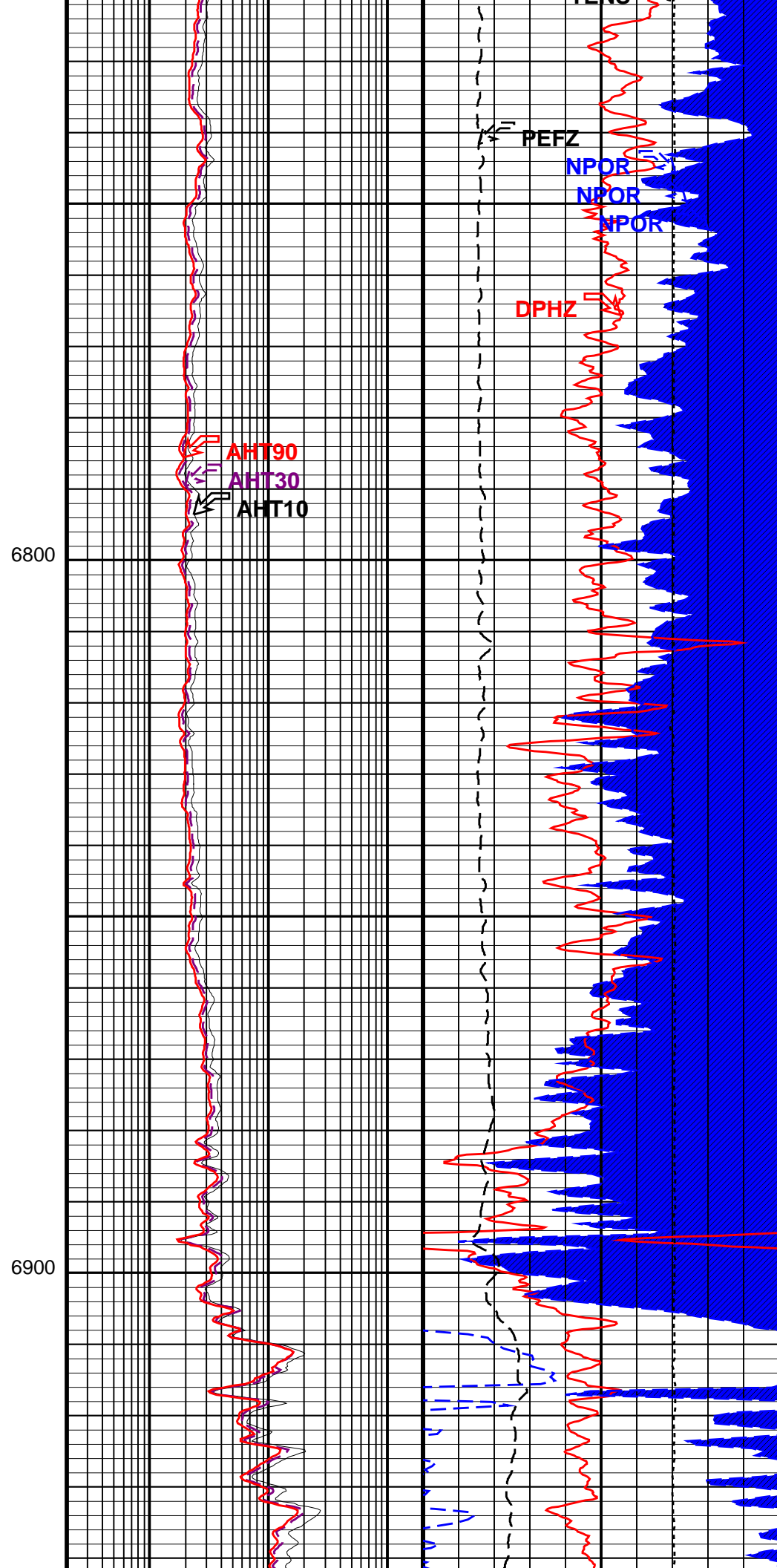
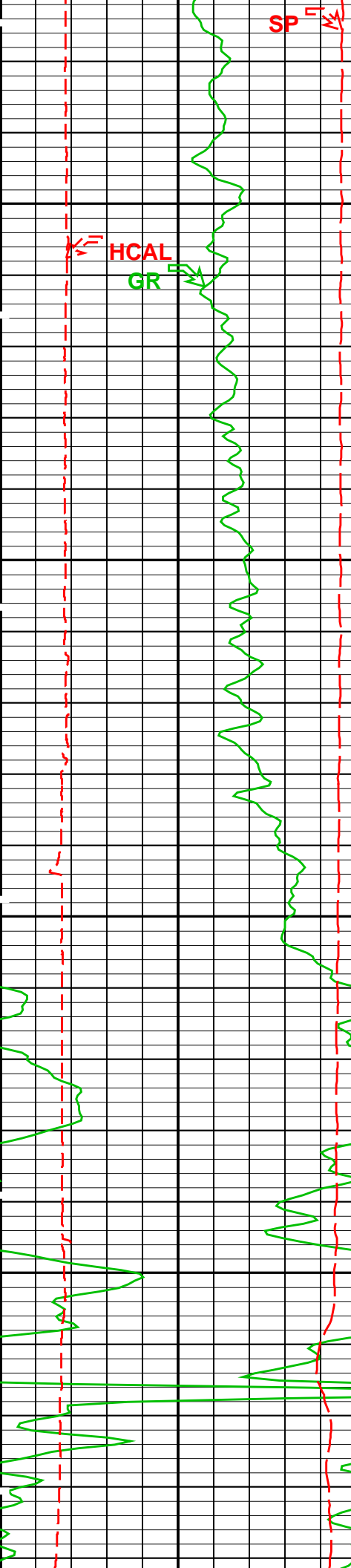
6550.0 FT  
MTX CHG

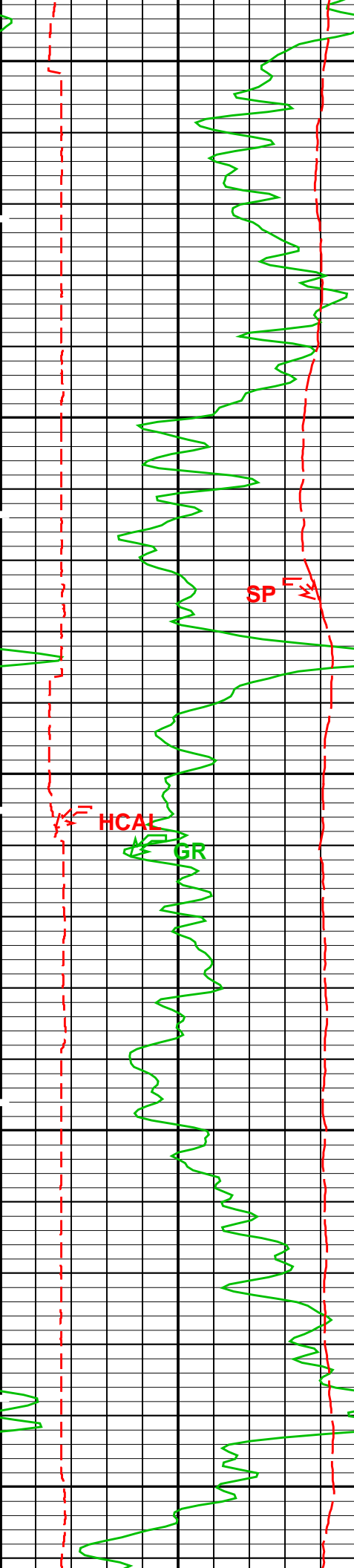
6600

6700



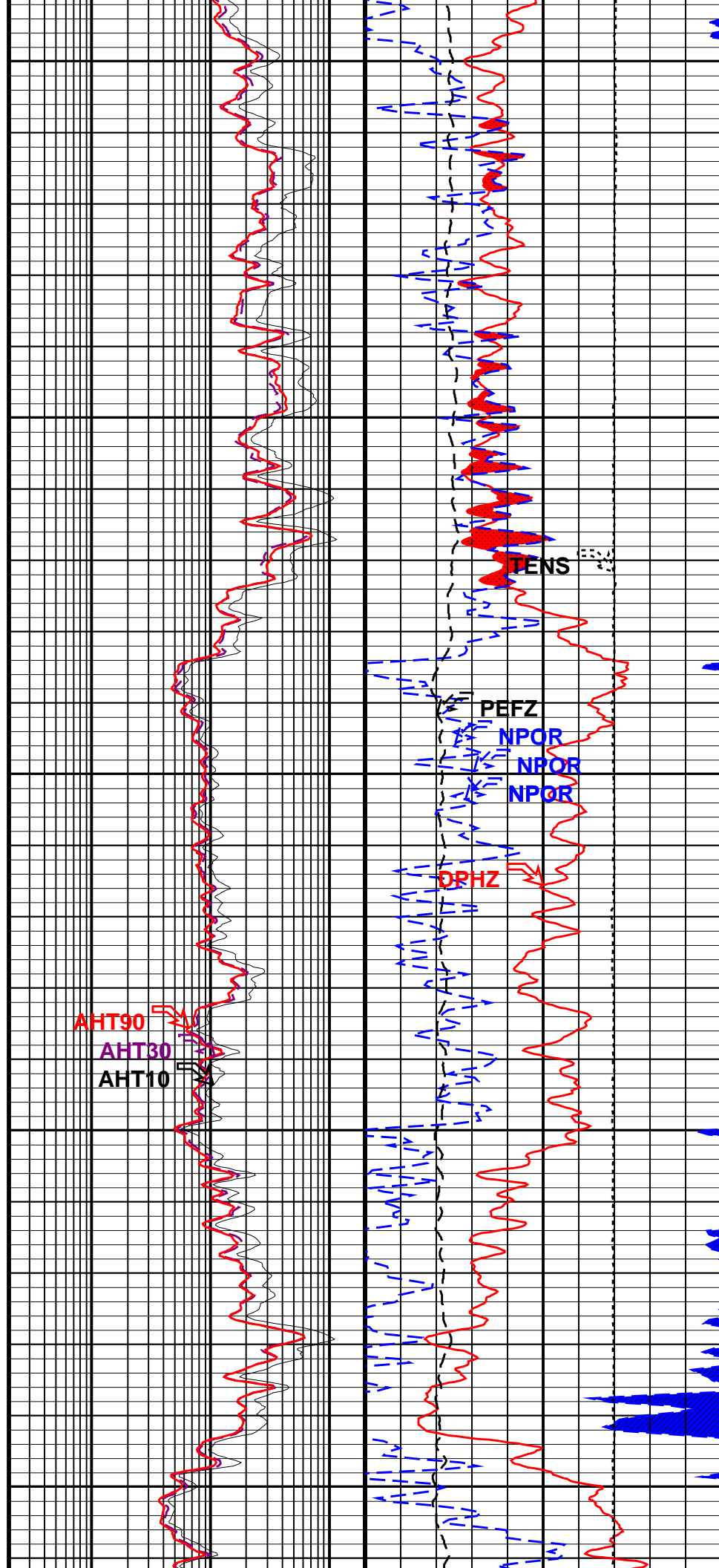
TENS

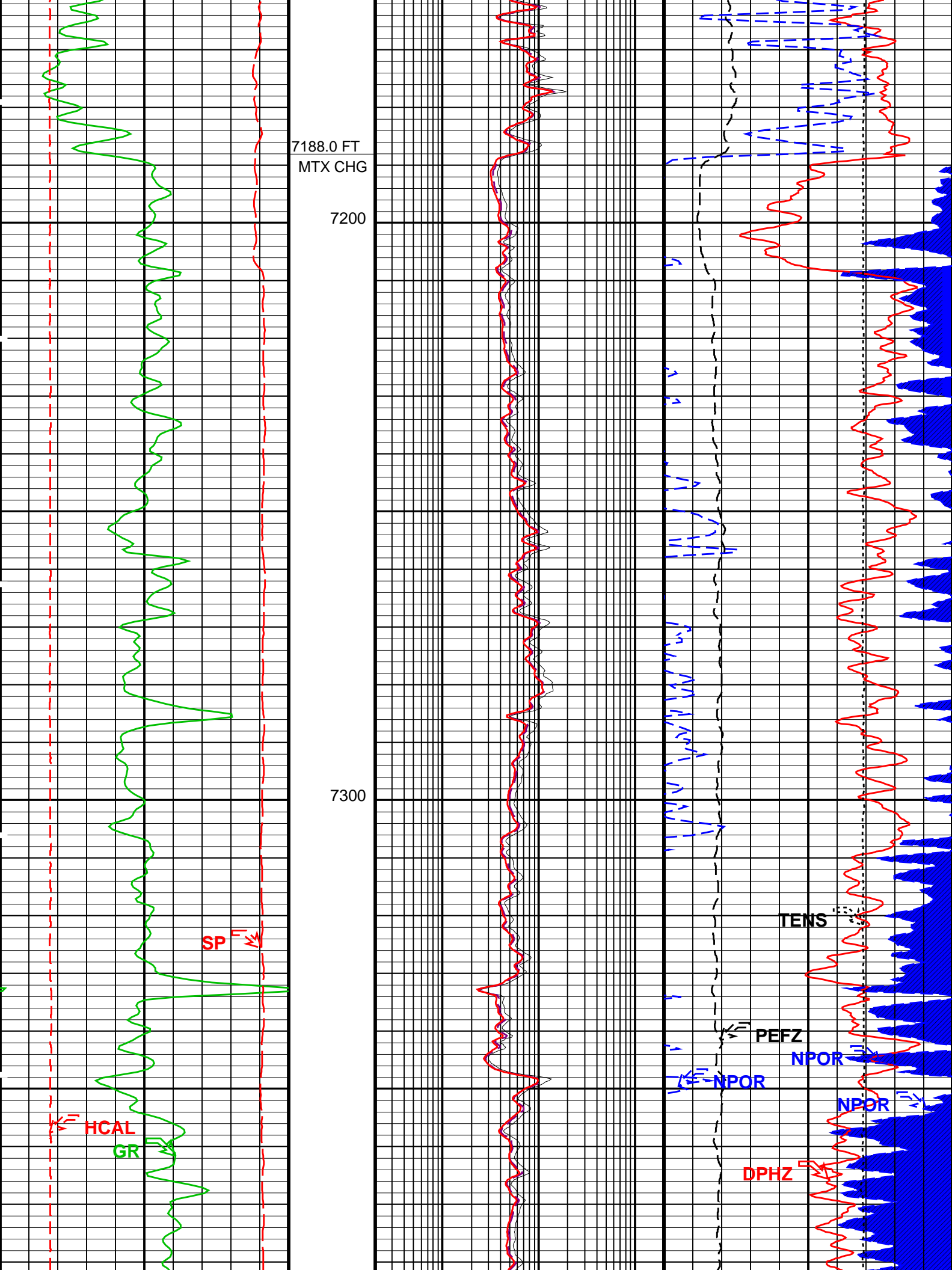


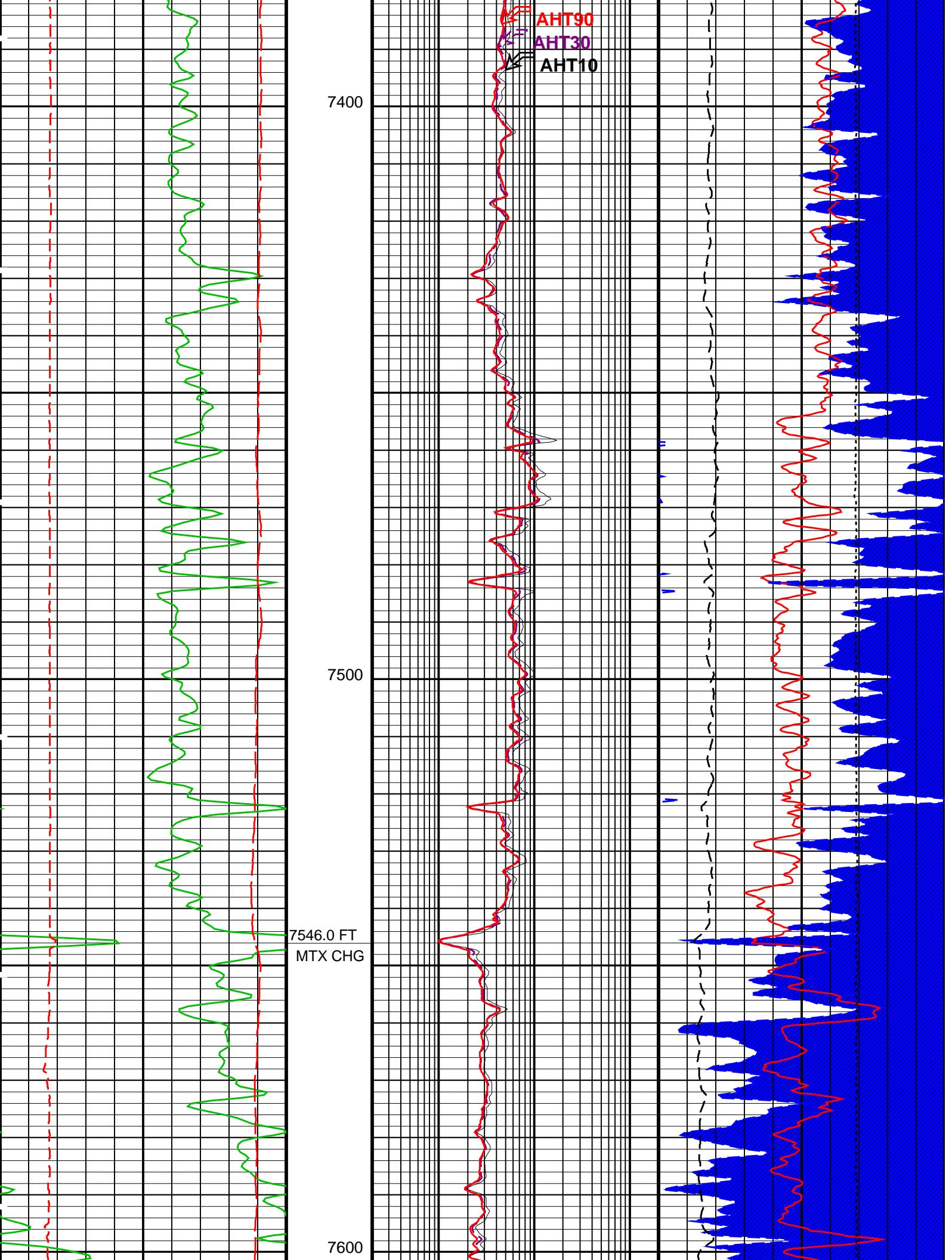


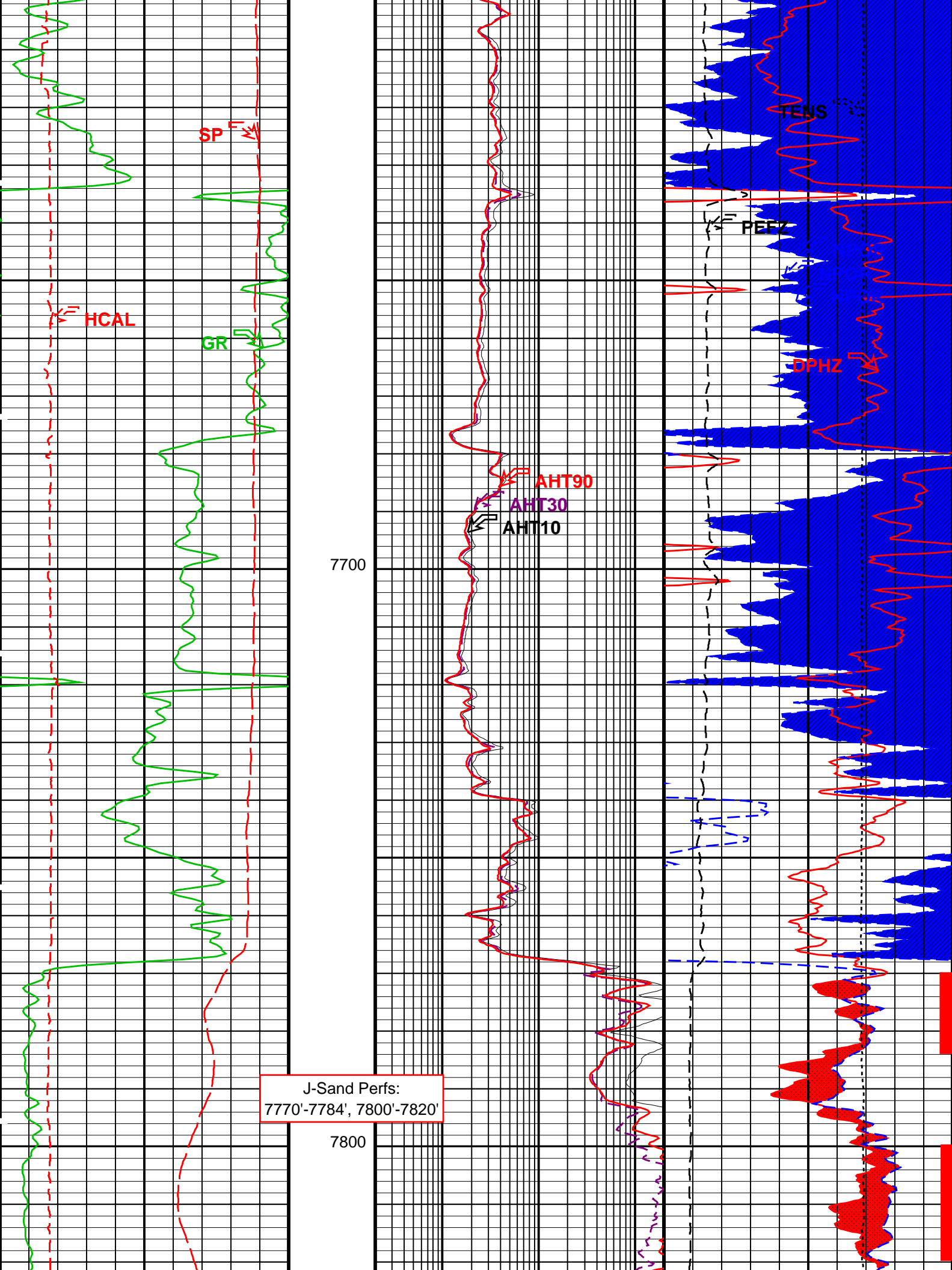
7000

7100

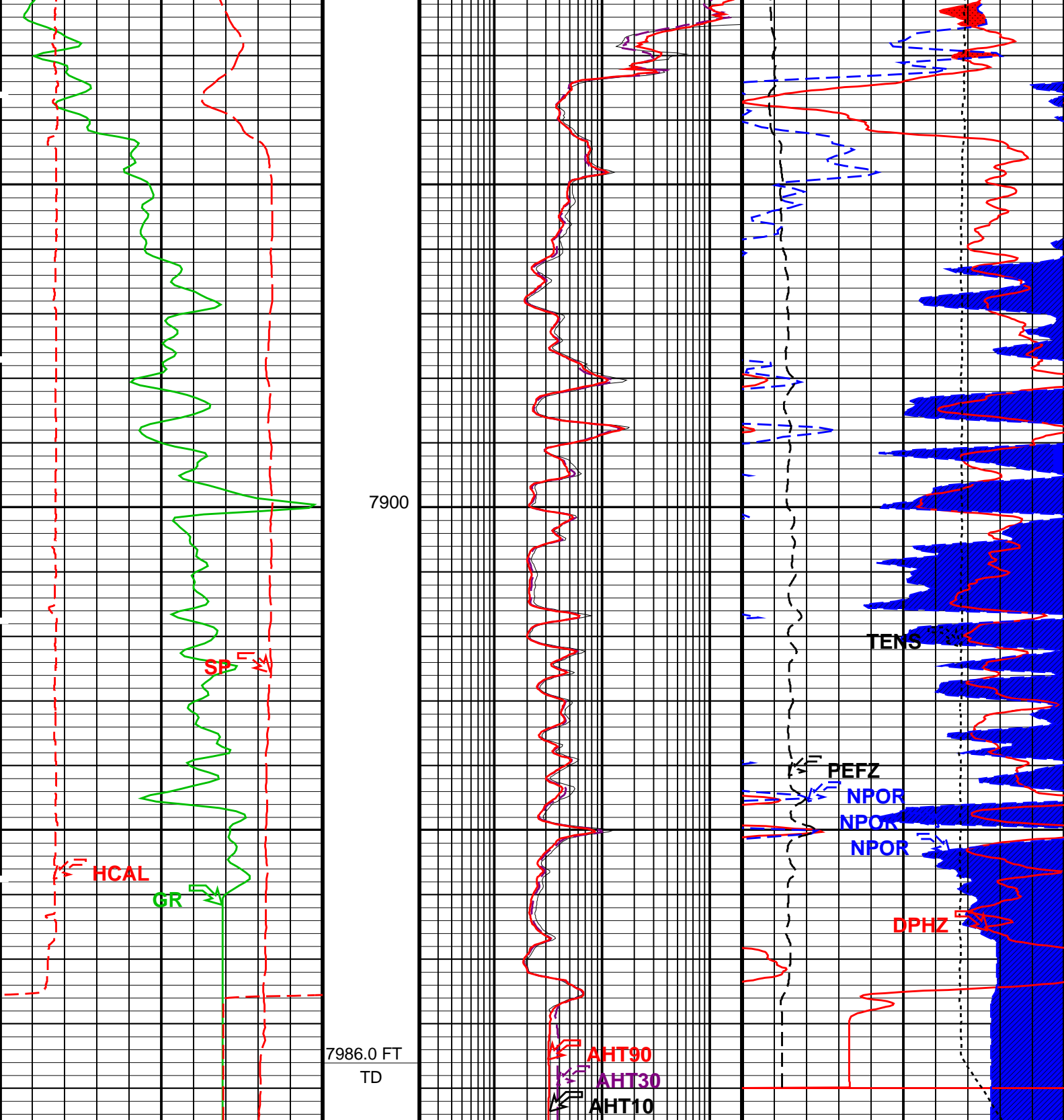








J-Sand Perfs:  
7770'-7784', 7800'-7820'



Gamma Ray (GR) (GAPI)		
0		200
HILT Caliper (HCAL) (IN)		
6		16
SP (SP) (MV)		
-160		40

AIT-H 10 Inch Investigation (AHT10) (OHMM)		
0.2		200
AIT-H 30 Inch Investigation (AHT30) (OHMM)		
0.2		200
AIT-H 90 Inch Investigation (AHT90) (OHMM)		
0.2		200

Std. Res. Density Porosity (DPHZ) (V/V)		
0.2		0
NPOR BACKUP From NPOR_2 to T3		
GAS EFFECT From DPHZ to NPOR_1		

Tension (TENS) (LBF)		
10000		0
Alpha Processed Neutron Porosity (NPOR)		
0.2		0

# PIP SUMMARY

Time Mark Every 60 S

## Parameters

DLIS Name	Description	Value	
HAIT-H: Array Induction Tool - H			
AHBHM	Array Induction Borehole Correction Mode	2_ComputeStandoff	
AHBHV	Array Induction Borehole Correction Code Version Number	900	
AHBLM	Array Induction Basic Logs Mode	6_One_Two_and_Four	
AHBLV	Array Induction Basic Logs Code Version Number	223	
AHCDE	Array Induction Casing Detection Enable	Yes	
AHCEN	Array Induction Tool Centering Flag (in Borehole)	Eccentered	
AHFRSV	Array Induction Response Set Version for Four ft Resolution	41.70.24.20	
AHMRF	Array Induction Mud Resistivity Factor	1	
AHORSV	Array Induction Response Set Version for One ft Resolution	41.70.24.20	
AHRFV	Array Induction Radial Profiling Code Version Number	701	
AHRPV	Array Induction Radial Parametrization Code Version Number	232	
AHSTA	Array Induction Tool Standoff	1.25	IN
AHTRSV	Array Induction Response Set Version for Two ft Resolution	41.70.24.20	
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	191	DEGF
FEXP	Form Factor Exponent	2	
FNUM	Form Factor Numerator	1	
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	AITH_RESIST	
GTSE	Generalized Temperature Selection	HSTS_HTEM	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
SHT	Surface Hole Temperature	68	DEGF
SPNV	SP Next Value	0	MV
HILTB-FTB: High resolution Integrated Logging Tool-DTS			
BHFL	Borehole Fluid Type	WATER	
BHFL_TLD	HILT Nuclear Mud Base	WATER	
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	191	DEGF
BSCO	Borehole Salinity Correction Option	NO	
CCCO	Casing & Cement Thickness Correction Option	NO	
DHC	Density Hole Correction	BS	
FD	Fluid Density	1	G/C3
FEXP	Form Factor Exponent	2	
FNUM	Form Factor Numerator	1	
FSAL	Formation Salinity	-50000	PPM
FSCO	Formation Salinity Correction Option	NO	
GCLF	Germany Coal-like Formation Option	NO	
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	AITH_RESIST	
GTSE	Generalized Temperature Selection	HSTS_HTEM	
HSCO	Hole Size Correction Option	YES	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
MCCO	Mud Cake Correction Option	NO	
MCOR	Mud Correction	NATU	
MDEN	Matrix Density	2.68	G/C3
MWCO	Mud Weight Correction Option	NO	
NAAC	HRDD APS Activation Correction	OFF	
NMT	HILT Nuclear Mud Type	NOBARITE	
NPRM	HRDD Processing Mode	StdRes	
NSAR	HRDD Depth Sampling Rate	1	IN
PTCO	Pressure/Temperature Correction Option	NO	
SDAT	Standoff Data Source	SOCN	
SHT	Surface Hole Temperature	68	DEGF
SOCN	Standoff Distance	0.125	IN
SOCO	Standoff Correction Option	YES	
HNGBS-BA: Hostile Natural Gamma Ray Sonde			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	191	DEGF
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	AITH_RESIST	
GTSE	Generalized Temperature Selection	HSTS_HTEM	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
SHT	Surface Hole Temperature	68	DEGF

SHT	EDTC-B: Enhanced DTS Cartridge	Surface Hole Temperature	68	DEGF
BHFL		Borehole Fluid Type	WATER	
BHS		Borehole Status	OPEN	
BHT		Bottom Hole Temperature (used in calculations)	191	DEGF
BSCO		Borehole Salinity Correction Option	NO	
CCCO		Casing & Cement Thickness Correction Option	NO	
FSCO		Formation Salinity Correction Option	NO	
GCSE		Generalized Caliper Selection	HCAL	
GDEV		Average Angular Deviation of Borehole from Normal	0	DEG
GGRD		Geothermal Gradient	0.01	DF/F
GRSE		Generalized Mud Resistivity Selection	AITH_RESIST	
GTSE		Generalized Temperature Selection	HSTS_HTEM	
HSCO		Hole Size Correction Option	YES	
MATR		Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
MCCO		Mud Cake Correction Option	NO	
MCOR		Mud Correction	NATU	
MWCO		Mud Weight Correction Option	NO	
PTCO		Pressure/Temperature Correction Option	NO	
SDAT		Standoff Data Source	SOCN	
SHT		Surface Hole Temperature	68	DEGF
SOCN		Standoff Distance	0.125	IN
SOCO		Standoff Correction Option	YES	
	FEQL: Formation Evaluation Quick Look			
FEXP		Form Factor Exponent	2	
FNUM		Form Factor Numerator	1	
	HOLEV: Integrated Hole/Cement Volume			
BHS		Borehole Status	OPEN	
BHT		Bottom Hole Temperature (used in calculations)	191	DEGF
GCSE		Generalized Caliper Selection	HCAL	
GDEV		Average Angular Deviation of Borehole from Normal	0	DEG
GGRD		Geothermal Gradient	0.01	DF/F
GRSE		Generalized Mud Resistivity Selection	AITH_RESIST	
GTSE		Generalized Temperature Selection	HSTS_HTEM	
MATR		Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
SHT		Surface Hole Temperature	68	DEGF
	PERT: Preliminary Evaluation – Real Time			
BHS		Borehole Status	OPEN	
BHT		Bottom Hole Temperature (used in calculations)	191	DEGF
FEXP		Form Factor Exponent	2	
FNUM		Form Factor Numerator	1	
GCSE		Generalized Caliper Selection	HCAL	
GDEV		Average Angular Deviation of Borehole from Normal	0	DEG
GGRD		Geothermal Gradient	0.01	DF/F
GRSE		Generalized Mud Resistivity Selection	AITH_RESIST	
GTSE		Generalized Temperature Selection	HSTS_HTEM	
MATR		Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
SHT		Surface Hole Temperature	68	DEGF
	STI: Stuck Tool Indicator			
TDL		Total Depth – Logger	7986.00	FT
	System and Miscellaneous			
BS		Bit Size	7.875	IN
BSAL		Borehole Salinity	-50000.00	PPM
CSIZ		Current Casing Size	8.625	IN
CWEI		Casing Weight	24.00	LB/F
DFD		Drilling Fluid Density	8.80	LB/G
DO		Depth Offset for Playback	0.0	FT
FLEV		Fluid Level	50.00	FT
MST		Mud Sample Temperature	191.00	DEGF
PP		Playback Processing	NORMAL	
RMFS		Resistivity of Mud Filtrate Sample	0.4665	OHMM
TD		Total Depth	7986	FT

Format: COMBO      Vertical Scale: 5" per 100'      Graphics File Created: 11-Oct-2010 19:41

## OP System Version: 18C0-147

HAIT-H	18C0-147	HILTB-FTB	18C0-147
HNGC-B	18C0-147	HNGS-BA	18C0-147
EDTC-B	18C0-147		

## Input DLIS Files

DEFAULT	SPLICE_AIT_TLD_MCFL_022L	FN:1	PRODUCER	11-Oct-2010 19:37	7995.0 FT	1102.5 FT
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## Output DLIS Files

DEFAULT	AIT_TLD_MCFL_CNL_024PUP	FN:21	PRODUCER	11-Oct-2010 19:41
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## MAXIS Field Log

Company: Noble Energy, Inc.

Well: DF Ranch 1161-08-42

## Input DLIS Files

DEFAULT	AIT_TLD_MCFL_CNL_009PUP	FN:8	PRODUCER	11-Oct-2010 17:40	8016.0 FT	7520.0 FT
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## Output DLIS Files

DEFAULT	AIT_TLD_MCFL_CNL_010LUP	FN:9	PRODUCER	11-Oct-2010 17:41
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## OP System Version: 18C0-147

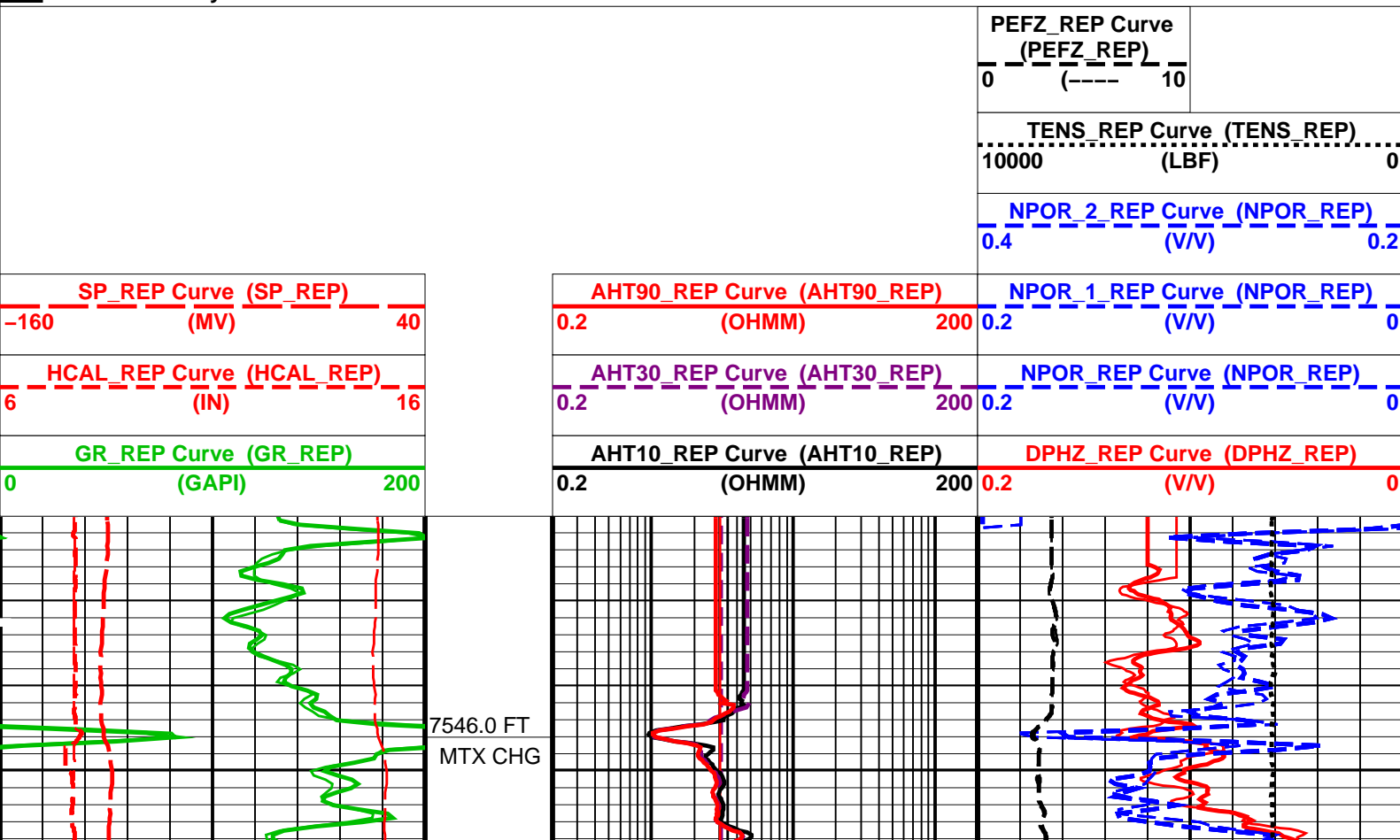
HAIT-H	18C0-147	HILTB-FTB	18C0-147
HNGC-B	18C0-147	HNGS-BA	18C0-147
EDTC-B	18C0-147		

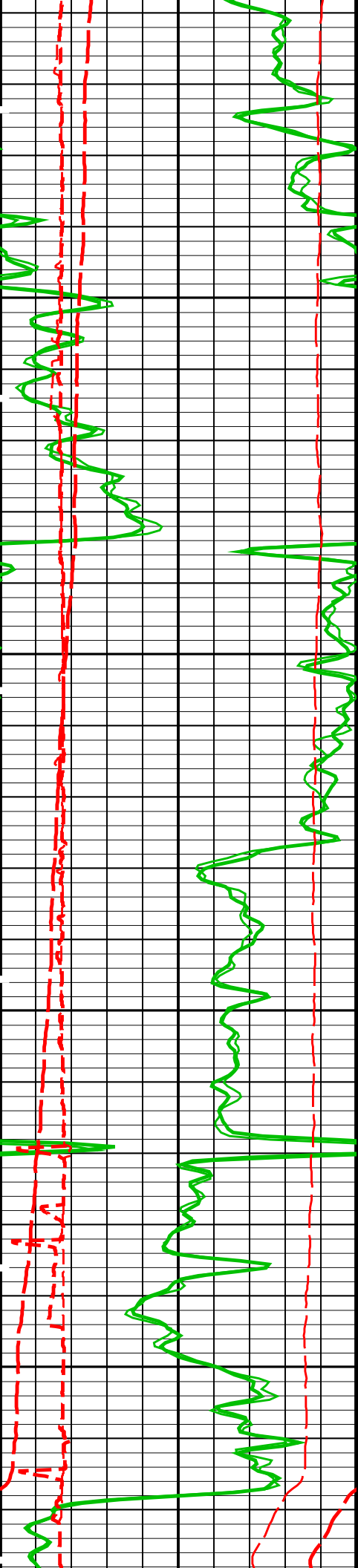
## Changed Parameter Summary

DLIS Name	New Value	Previous Value	Depth & Time
MATR	SANDSTONE	SANDSTONE	7995.0 17:42:11
MDEN	SANDSTONE	SANDSTONE	7546.0 17:53:19
	2.65 G/C3	2.68 G/C3	7995.0 17:42:11
	2.68 G/C3	2.65 G/C3	7546.0 17:53:19

## PIP SUMMARY

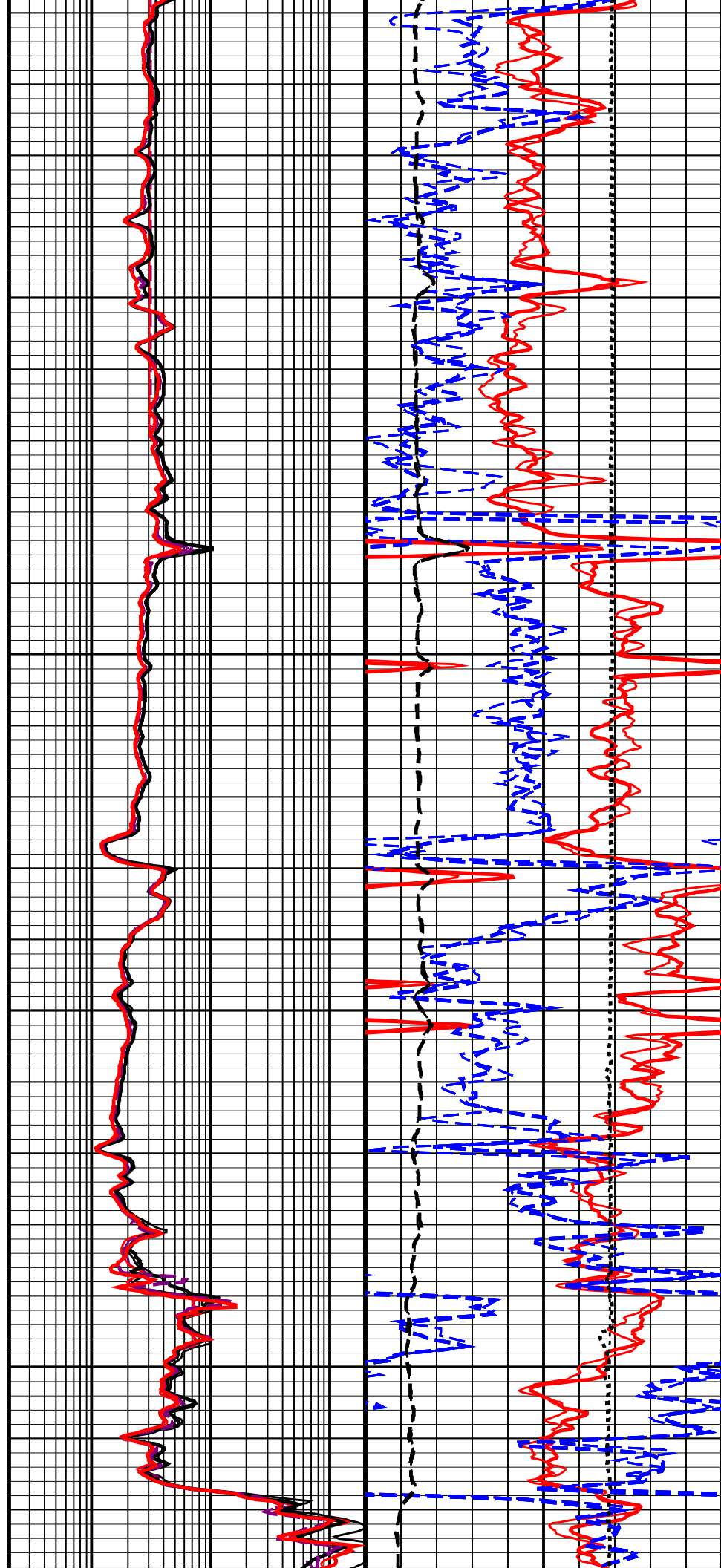
Time Mark Every 60 S

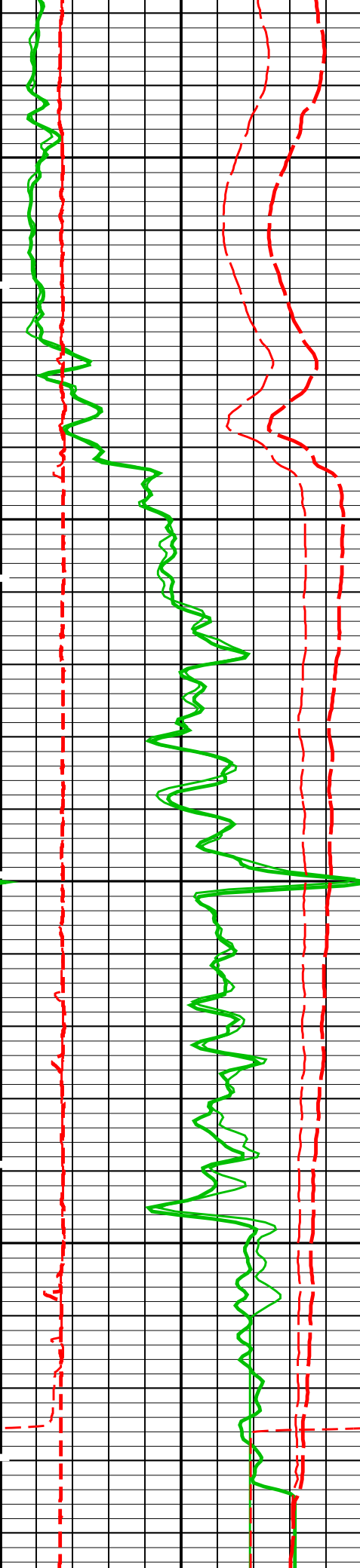




7600

7700

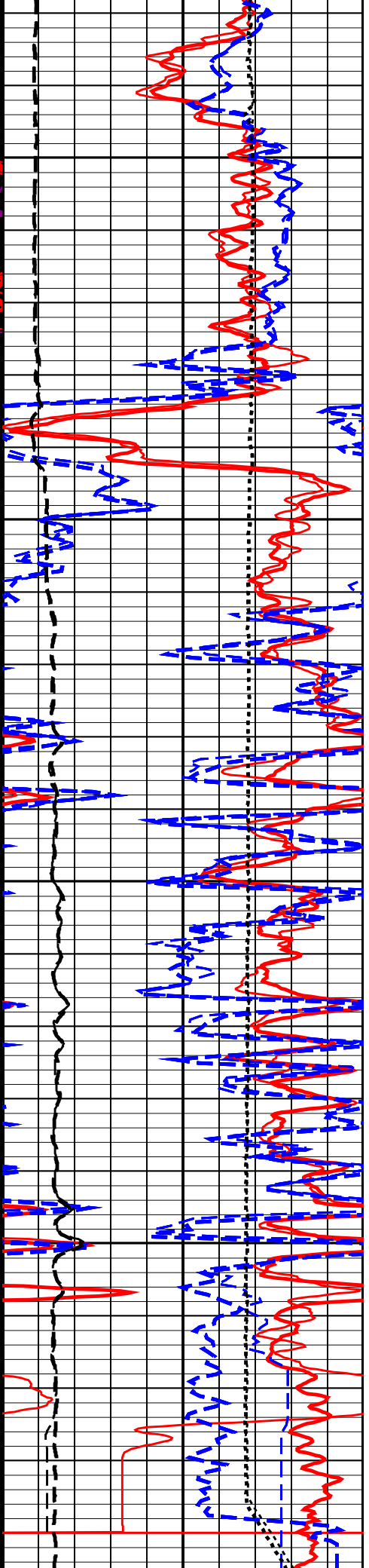
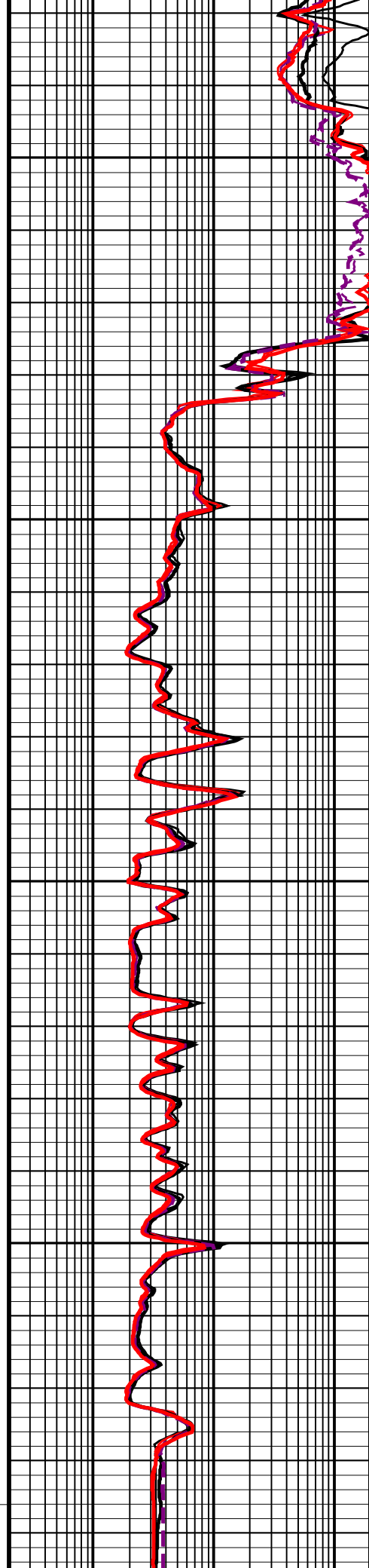




7800

7900

7986.0 FT  
TD



AHT10 REP Curve (AHT10 REP)

DPHZ REP Curve (DPHZ REP)

GR REP Curve (GR REP)

0	(GAPI)	200	0.2	(OHMM)	200	0.2	(V/V)	0
6	HCAL_REP Curve (HCAL_REP) (IN)	16	0.2	AHT30_REP Curve (AHT30_REP) (OHMM)	200	0.2	NPOR_REP Curve (NPOR_REP) (V/V)	0
-160	SP_REP Curve (SP_REP) (MV)	40	0.2	AHT90_REP Curve (AHT90_REP) (OHMM)	200	0.2	NPOR_1_REP Curve (NPOR_REP) (V/V)	0
						0.4	NPOR_2_REP Curve (NPOR_REP) (V/V)	0.2
						10000	TENS_REP Curve (TENS_REP) (LBF)	0
						0	PEFZ_REP Curve (PEFZ_REP) (----	10

#### PIP SUMMARY

Time Mark Every 60 S

### Parameters

DLIS Name	Description	Value	
HAIT-H: Array Induction Tool – H			
AHBHM	Array Induction Borehole Correction Mode	2_ComputeStandoff	
AHBHV	Array Induction Borehole Correction Code Version Number	900	
AHBLM	Array Induction Basic Logs Mode	6_One_Two_and_Four	
AHBLV	Array Induction Basic Logs Code Version Number	223	
AHCDE	Array Induction Casing Detection Enable	Yes	
AHCEN	Array Induction Tool Centering Flag (in Borehole)	Eccentered	
AHFRSV	Array Induction Response Set Version for Four ft Resolution	41.70.24.20	
AHMRF	Array Induction Mud Resistivity Factor	1	
AHORSV	Array Induction Response Set Version for One ft Resolution	41.70.24.20	
AHRFV	Array Induction Radial Profiling Code Version Number	701	
AHRPV	Array Induction Radial Parametrization Code Version Number	232	
AHSTA	Array Induction Tool Standoff	1.25	IN
AHTRSV	Array Induction Response Set Version for Two ft Resolution	41.70.24.20	
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	191	DEGF
FEXP	Form Factor Exponent	2	
FNUM	Form Factor Numerator	1	
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	AITH_RESIST	
GTSE	Generalized Temperature Selection	HSTS_HTEM	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
SHT	Surface Hole Temperature	68	DEGF
SPNV	SP Next Value	0	MV
HILTB-FTB: High resolution Integrated Logging Tool-DTS			
BHFL	Borehole Fluid Type	WATER	
BHFL_TLD	HILT Nuclear Mud Base	WATER	
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	191	DEGF
BSCO	Borehole Salinity Correction Option	NO	
CCCO	Casing & Cement Thickness Correction Option	NO	
DHC	Density Hole Correction	BS	
FD	Fluid Density	1	G/C3
FEXP	Form Factor Exponent	2	
FNUM	Form Factor Numerator	1	
FSAL	Formation Salinity	-50000	PPM
FSCO	Formation Salinity Correction Option	NO	
GCLF	Germany Coal-like Formation Option	NO	
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	AITH_RESIST	
GTSE	Generalized Temperature Selection	HSTS_HTEM	
HSCO	Hole Size Correction Option	YES	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
MCCO	Mud Cake Correction Option	NO	
MCOR	Mud Correction	NATU	
MDEN	Matrix Density	2.68	G/C3
MWCO	Mud Weight Correction Option	NO	
NAAC	HRDD APS Activation Correction	OFF	
NMT	HILT Nuclear Mud Type	NOBARITE	
NPRM	HRDD Processing Mode	StdRes	

NSAR	HRDD Depth Sampling Rate	1	IN
PTCO	Pressure/Temperature Correction Option	NO	
SDAT	Standoff Data Source	SOCN	
SHT	Surface Hole Temperature	68	DEGF
SOCN	Standoff Distance	0.125	IN
SOCO	Standoff Correction Option	YES	
HNGBS-BA: Hostile Natural Gamma Ray Sonde			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	191	DEGF
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	AITH_RESIST	
GTSE	Generalized Temperature Selection	HSTS_HTEM	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
SHT	Surface Hole Temperature	68	DEGF
EDTC-B: Enhanced DTS Cartridge			
BHFL	Borehole Fluid Type	WATER	
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	191	DEGF
BSCO	Borehole Salinity Correction Option	NO	
CCCO	Casing & Cement Thickness Correction Option	NO	
FSCO	Formation Salinity Correction Option	NO	
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	AITH_RESIST	
GTSE	Generalized Temperature Selection	HSTS_HTEM	
HSCO	Hole Size Correction Option	YES	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
MCCO	Mud Cake Correction Option	NO	
MCOR	Mud Correction	NATU	
MWCO	Mud Weight Correction Option	NO	
PTCO	Pressure/Temperature Correction Option	NO	
SDAT	Standoff Data Source	SOCN	
SHT	Surface Hole Temperature	68	DEGF
SOCN	Standoff Distance	0.125	IN
SOCO	Standoff Correction Option	YES	
FEQL: Formation Evaluation Quick Look			
FEXP	Form Factor Exponent	2	
FNUM	Form Factor Numerator	1	
HOLEV: Integrated Hole/Cement Volume			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	191	DEGF
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	AITH_RESIST	
GTSE	Generalized Temperature Selection	HSTS_HTEM	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
SHT	Surface Hole Temperature	68	DEGF
PERT: Preliminary Evaluation - Real Time			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	191	DEGF
FEXP	Form Factor Exponent	2	
FNUM	Form Factor Numerator	1	
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	AITH_RESIST	
GTSE	Generalized Temperature Selection	HSTS_HTEM	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
SHT	Surface Hole Temperature	68	DEGF
STI: Stuck Tool Indicator			
TDL	Total Depth - Logger	7986.00	FT
System and Miscellaneous			
BS	Bit Size	7.875	IN
BSAL	Borehole Salinity	-50000.00	PPM
CSIZ	Current Casing Size	8.625	IN
CWEI	Casing Weight	24.00	LB/F
DFD	Drilling Fluid Density	8.80	LB/G
DORL	Depth Offset for Repeat Analysis	0.0	FT
FLEV	Fluid Level	50.00	FT
MST	Mud Sample Temperature	191.00	DEGF
RMFS	Resistivity of Mud Filtrate Sample	0.4665	OHMM
TD	Total Depth	7986	FT

Format: COMBO\_REP      Vertical Scale: 5" per 100'      Graphics File Created: 11-Oct-2010 17:41

## OP System Version: 18C0-147

HAIT-H	18C0-147	HILTB-FTB	18C0-147
HNGC-B	18C0-147	HNGS-BA	18C0-147

Input DLIS Files						
DEFAULT	AIT_TLD_MCFL_CNL_009PUP	FN:8	PRODUCER	11-Oct-2010 17:40	8016.0 FT	7520.0 FT
Output DLIS Files						
DEFAULT	AIT_TLD_MCFL_CNL_010LUP	FN:9	PRODUCER	11-Oct-2010 17:41		

Company: Noble Energy, Inc.		<b>Schlumberger</b>
Well:	DF Ranch 1161-08-42	
Field:	Grover	
County:	Weld	
State:	Colorado	
Platform Express Triple Combo		