

[illegible]





Rig: Xtreme 11

Crew: Tim Ludgate

RUN 1

SERVICE ORDER #:  
PROGRAM VERSION:  
FLUID LEVEL:

AXB6-00071  
17C0-154

RUN 2

SERVICE ORDER #:  
PROGRAM VERSION:  
FLUID LEVEL:

LOGGED INTERVAL

START

STOP

LOGGED INTERVAL

START

STOP

## EQUIPMENT DESCRIPTION

RUN 1

RUN 2

### SURFACE EQUIPMENT

WITM (DTS)-A

GSR-U/Y  
NCT-B  
CNB-AB  
NCS-VB

### DOWNHOLE EQUIPMENT

LEH-QT  
LEH-QT 2552

43.6

DTC-H  
ECH-KC  
DTCH0-A  
DTCH1-A

CTEM

39.7

40.6

TelStatus  
ToolStatu

37.6

HGNS HTEM  
HMCA

37.6

HILTB-FTB

HGNS Gamm

36.9

37.6

HGNSD-B  
HMCA  
HGNH  
NLS-KL  
NSR-F 5068  
HACCZ 749  
HCNT  
HGR  
HRCC-B 1813  
HRMS-B 821  
HRGD-B 1748  
GLS-VJ 5416  
MCFL Device  
HILT Nucl. LS 42767  
HILT Nucl. SS 42767  
HILT Nucl. BS 42767  
BOW-SPR  
NPV-N

HGNS Neut  
HGNS Neut

31.1

30.6

HGNS sens

28.2

HRCC cart

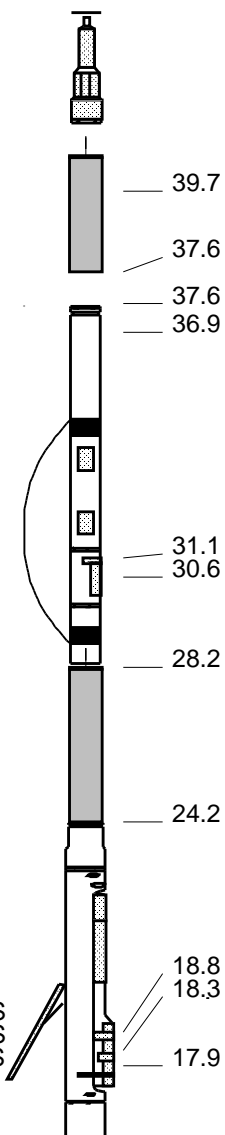
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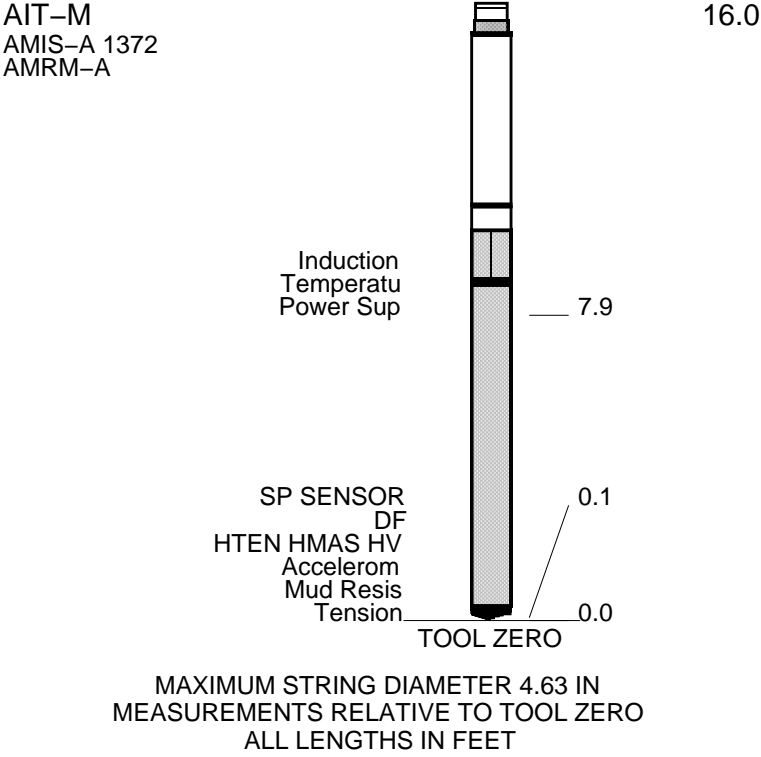
MCFL  
HILT cali  
HRDD-LS  
HRDD-SS  
HRDD-BS

18.8

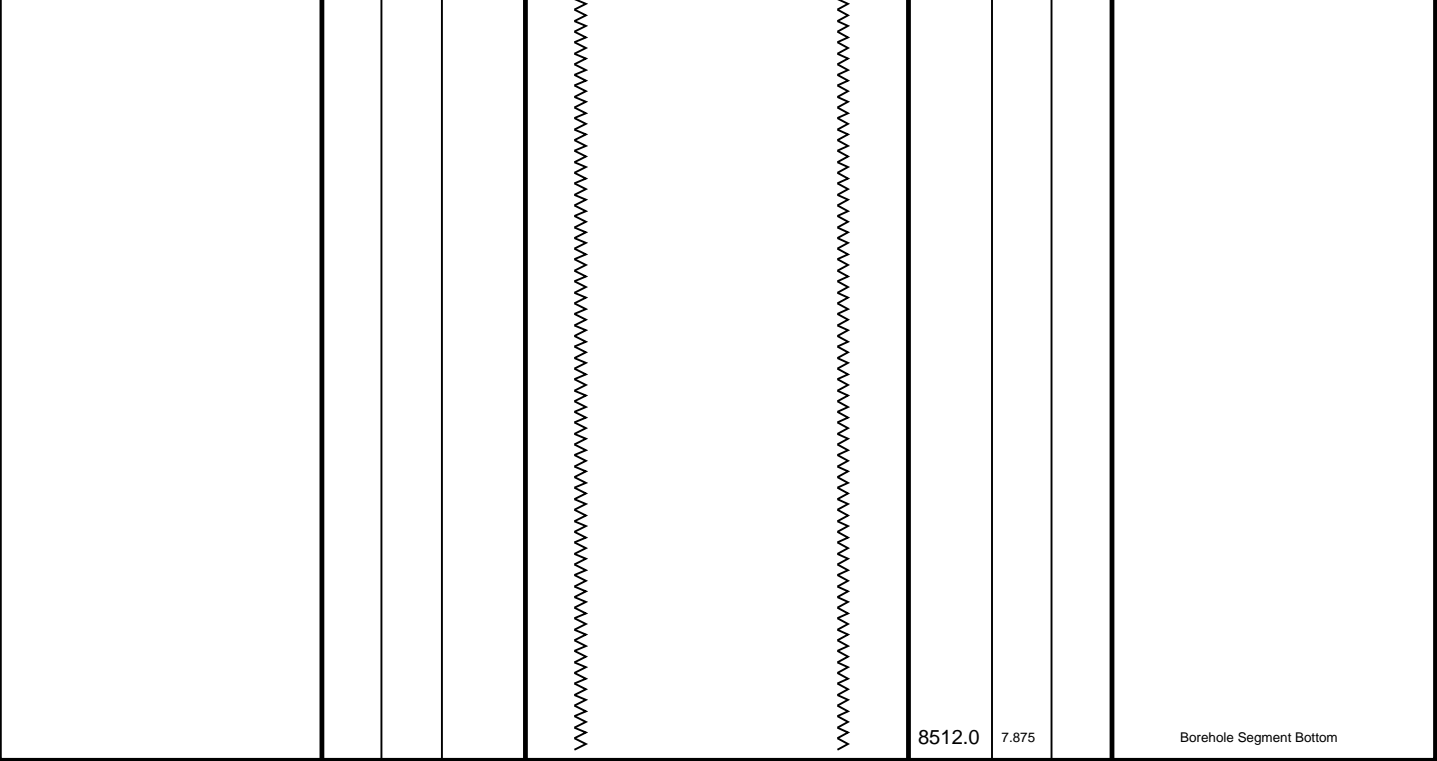
18.3

17.9





Production String	(in)			(ft)	Well Schematic	(ft)			(in)	Casing String
	OD	ID	MD			MD	OD	ID		
						0.0	8.625			Casing String
						912.0	8.625			Casing Shoe
						912.0	7.875			Borehole Segment



8512.0 7.875 Borehole Segment Bottom

All depths are driller’s depths



COMBO LOG 5" = 100’

MAXIS Field Log

Company: Kerr McGee Oil and Gas Onshore, LP

Well: Commons 6–19

Output DLIS Files						
DEFAULT	AIT_TLD_MCFL_CNL_008LUP	FN:7	PRODUCER	12–Nov–2009 21:44	8461.5 FT	0.0 FT

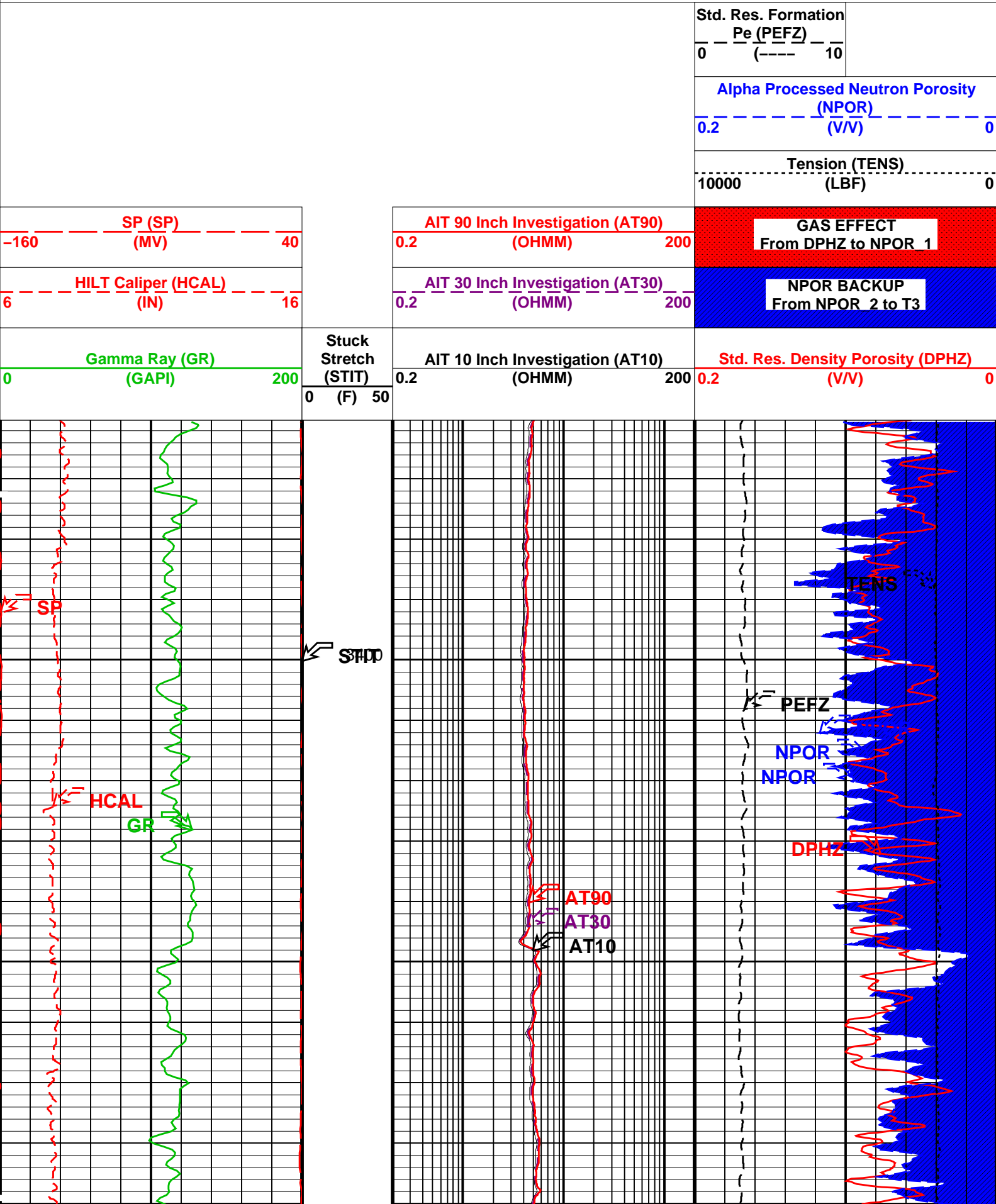
OP System Version: 17C0–154			
AIT–M	17C0–154	HILTB–FTB	17C0–154
DTC–H	17C0–154		

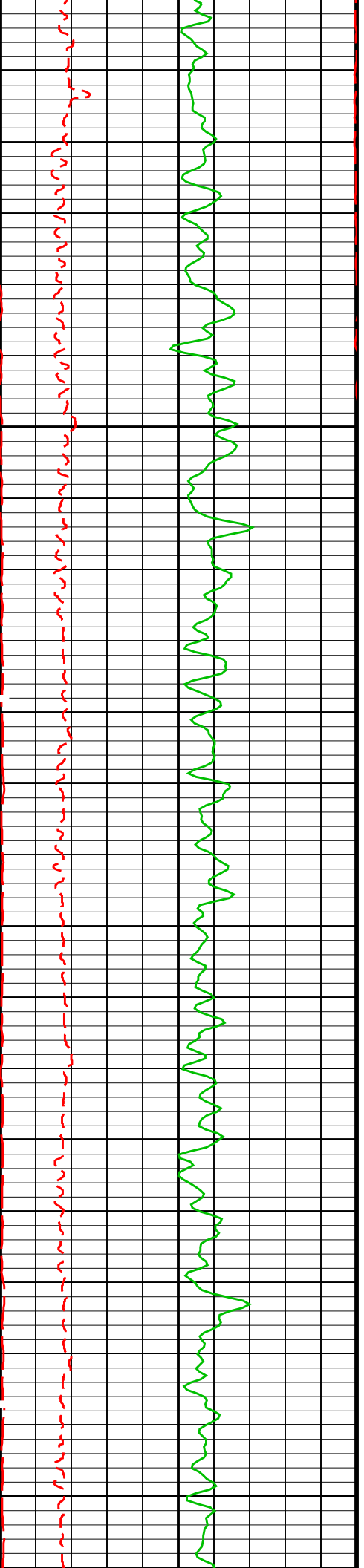
Changed Parameter Summary			
DLIS Name	New Value	Previous Value	Depth & Time
BHT	205 DEGF	198 DEGF	8434.0 21:46:32
MATR	SANDSTONE	LIMESTONE	8461.5 21:46:10
	SANDSTONE	SANDSTONE	8192.0 21:49:45
	LIMESTONE	SANDSTONE	7928.0 21:53:16

MDEN	2.65	G/C3	2.71	G/C3	8461.5	21:46:10
	2.68	G/C3	2.65	G/C3	8192.0	21:49:45
	2.71	G/C3	2.68	G/C3	7928.0	21:53:16
TD	8439	FT	8512	FT	8079.8	21:51:15
TDL	8439.00	FT	8512.00	FT	8079.8	21:51:15

PIP SUMMARY

Time Mark Every 60 S

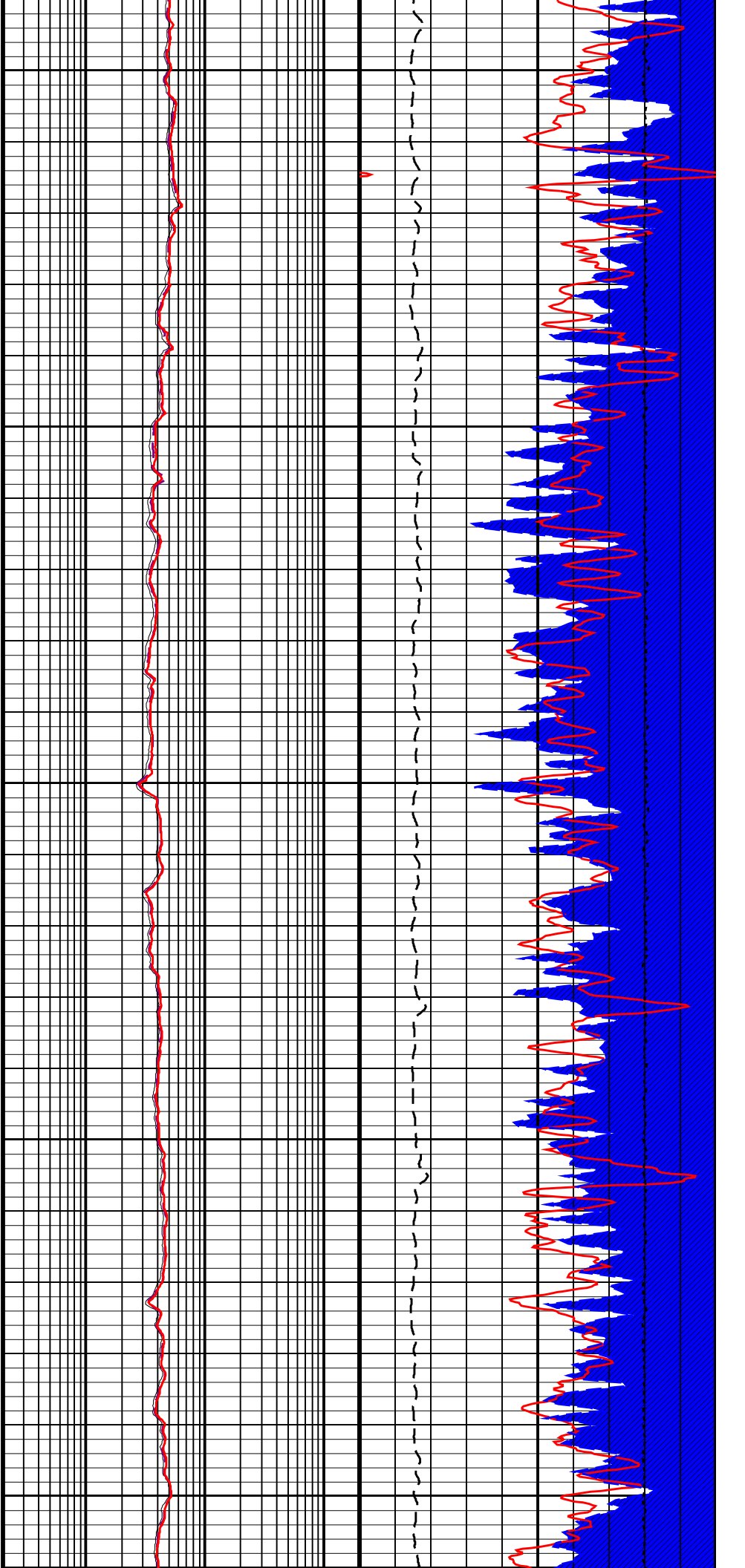




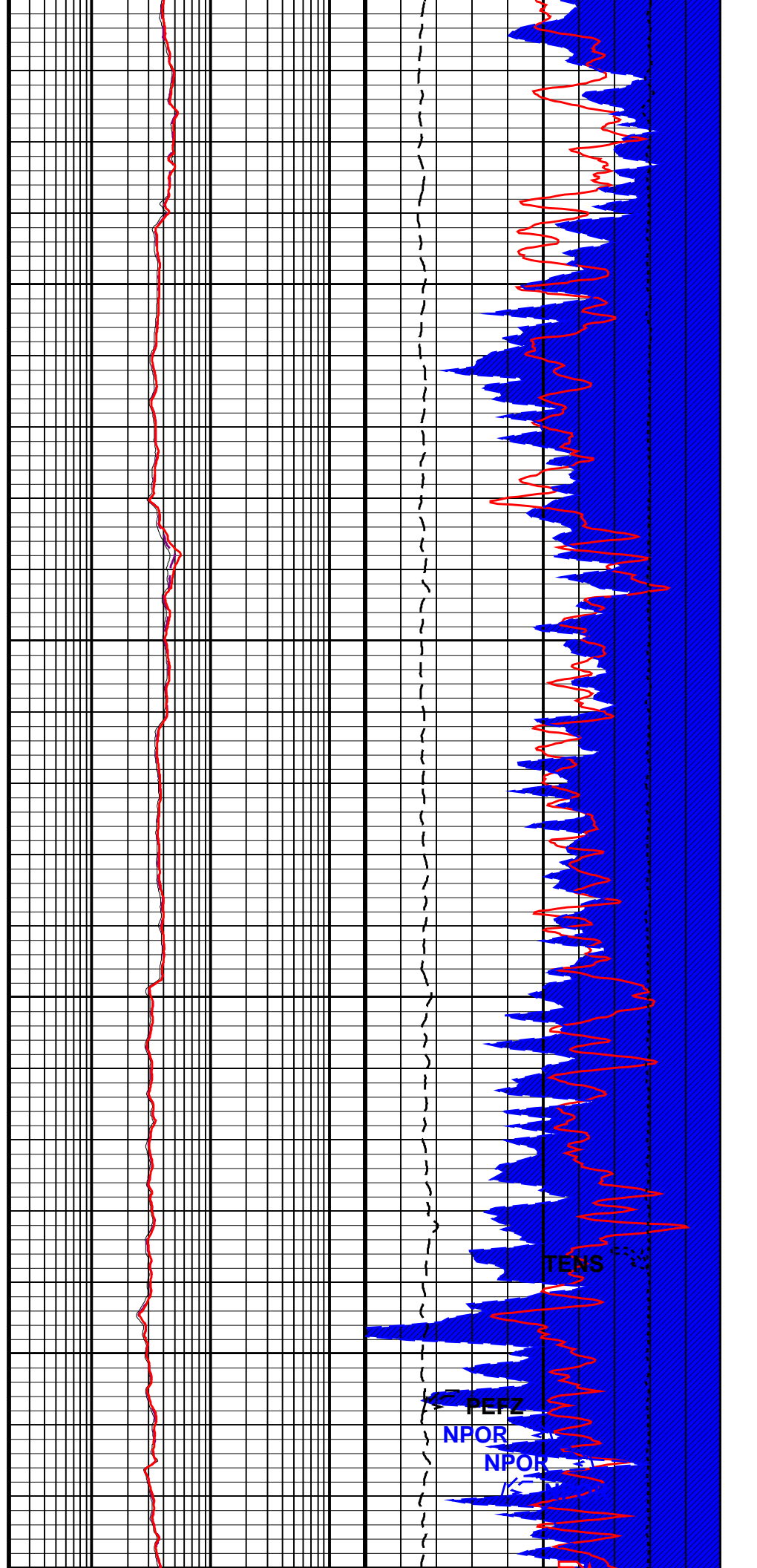
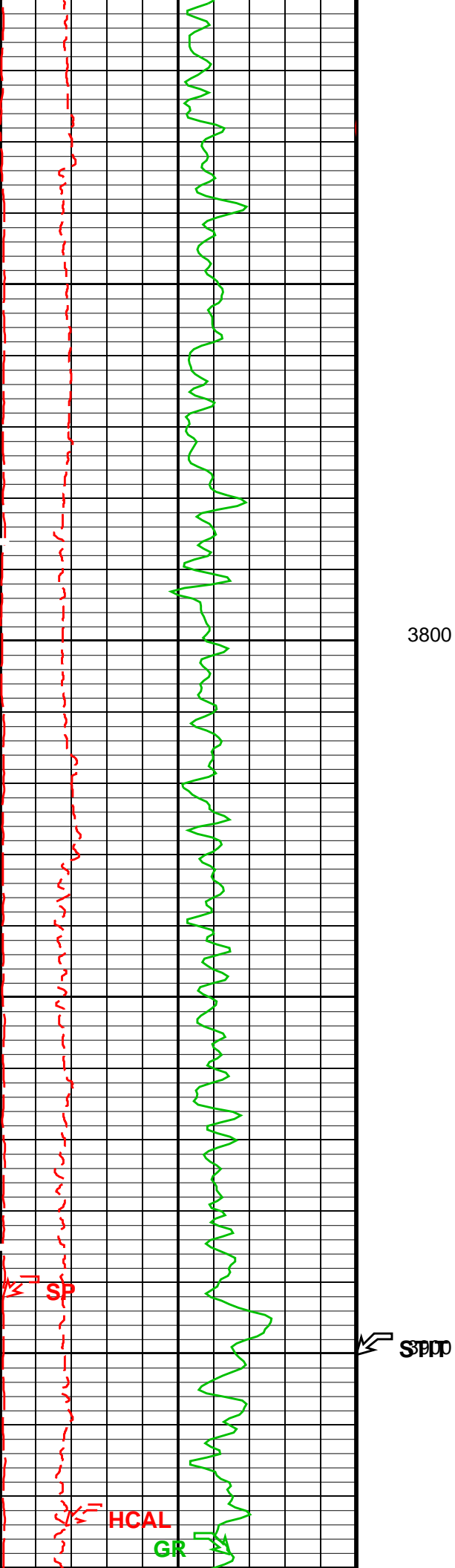
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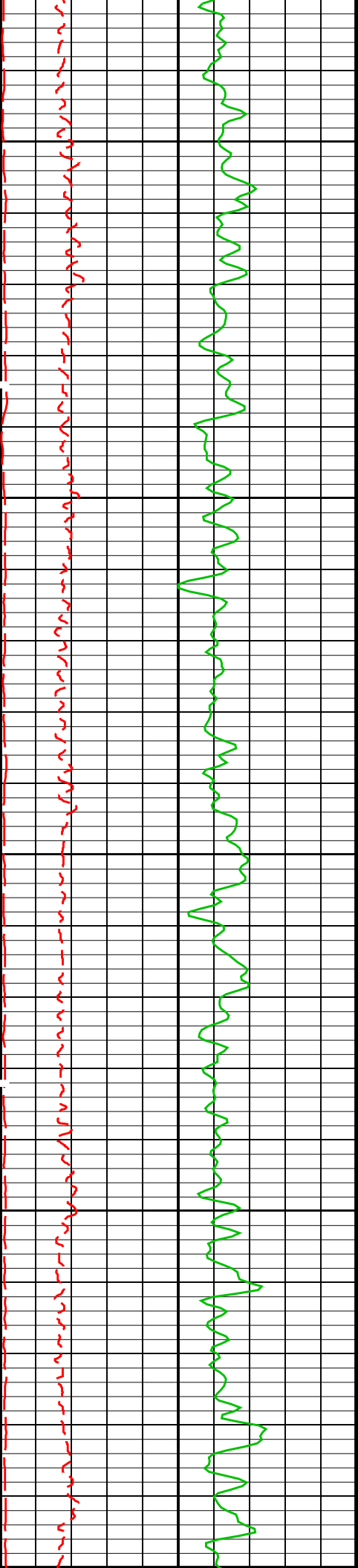
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3700



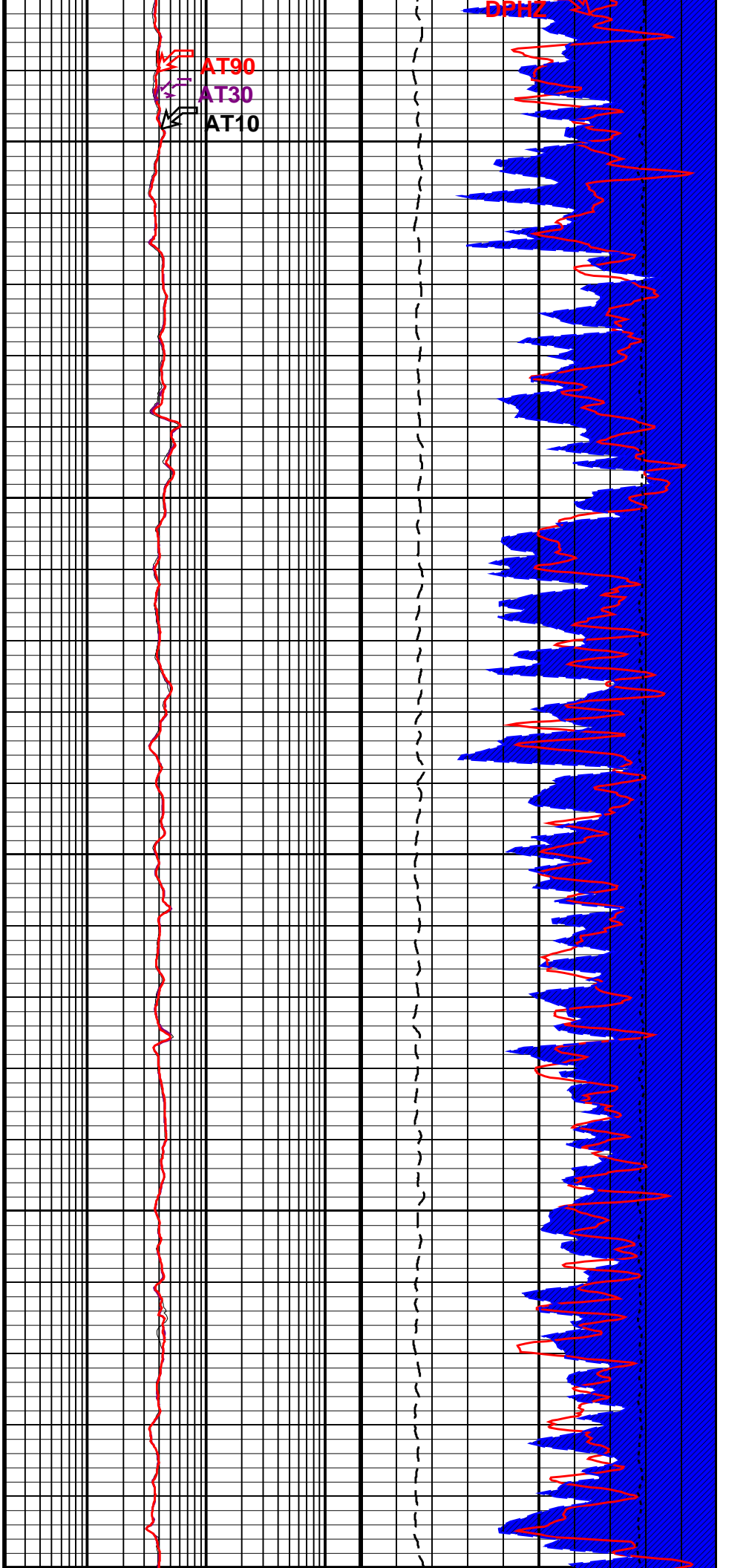


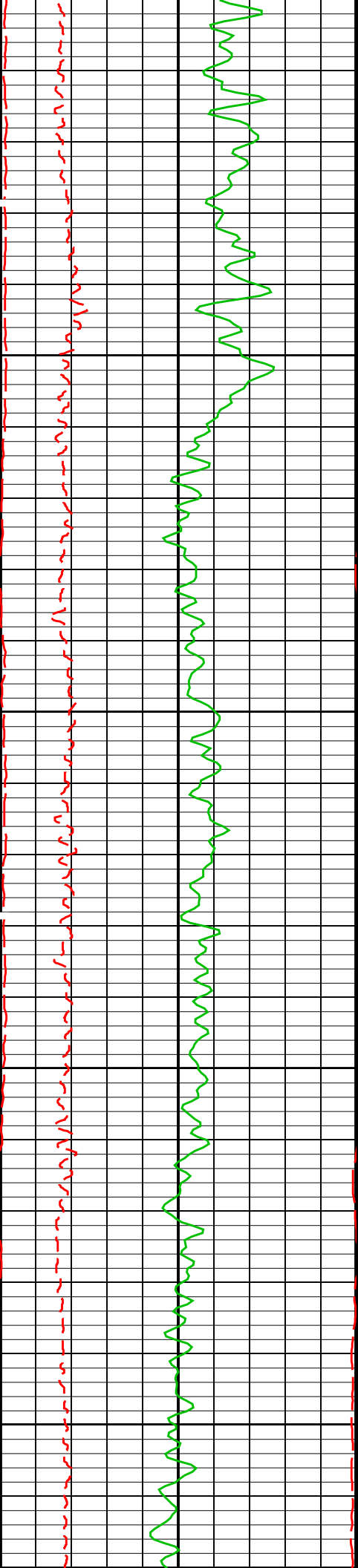




4000

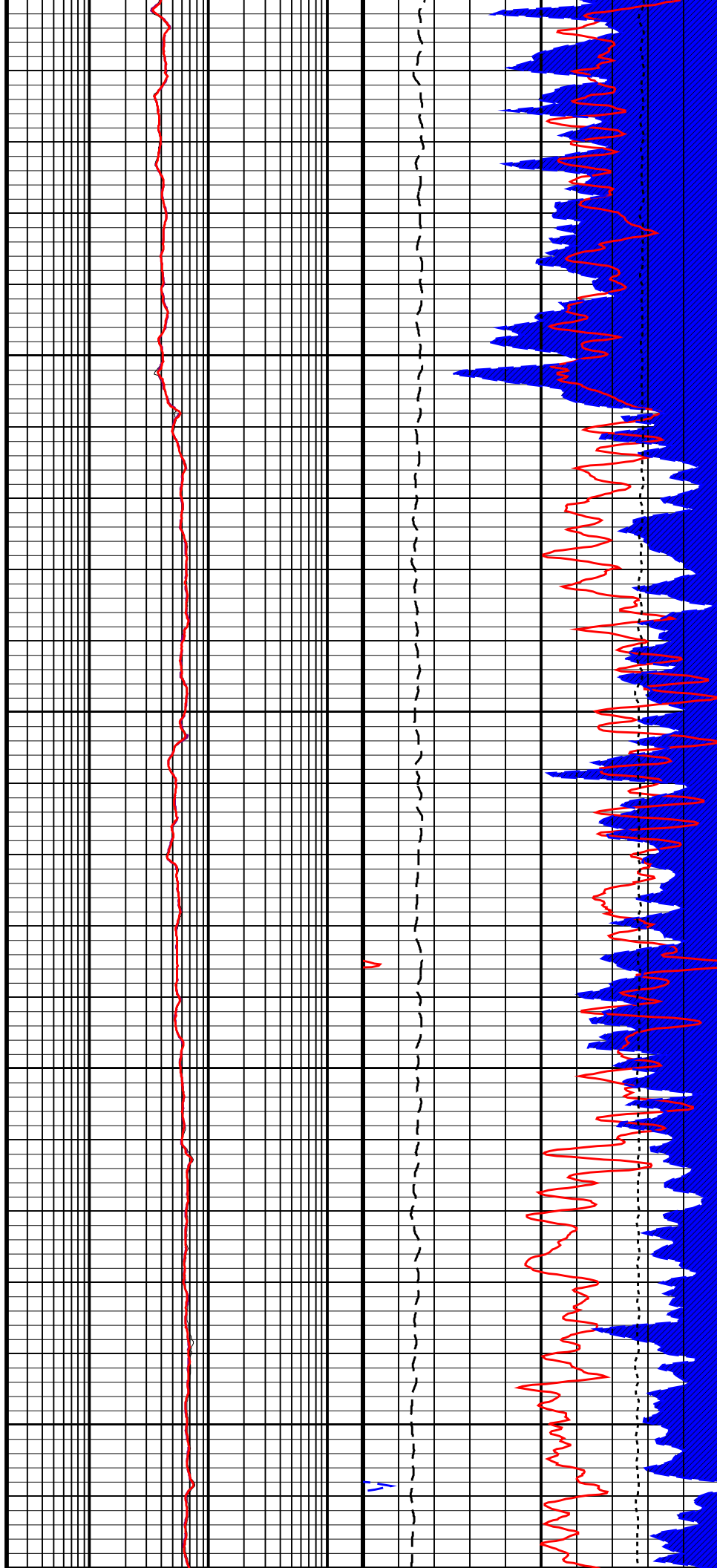
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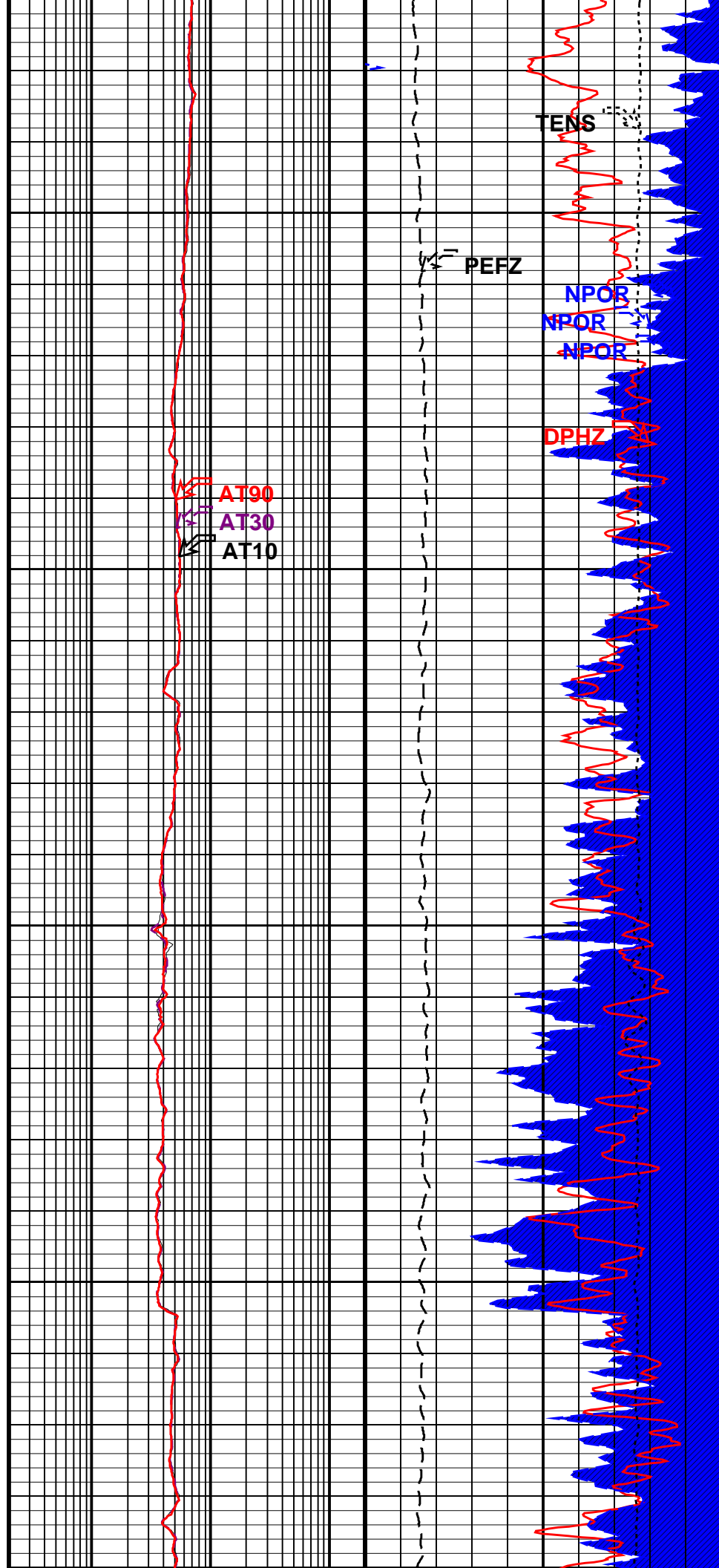
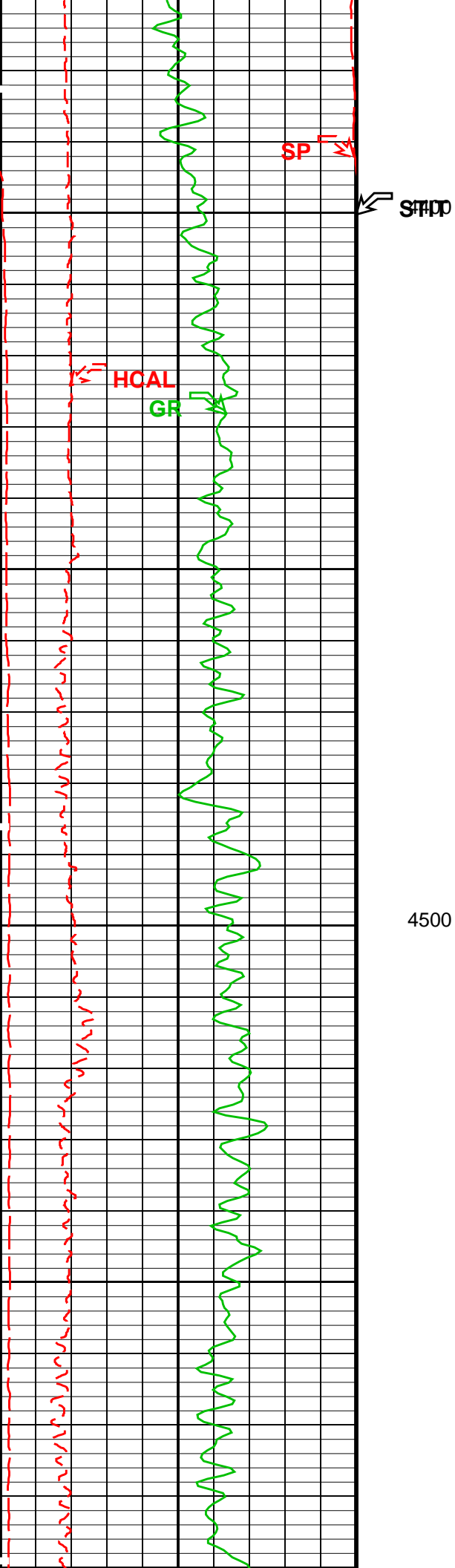


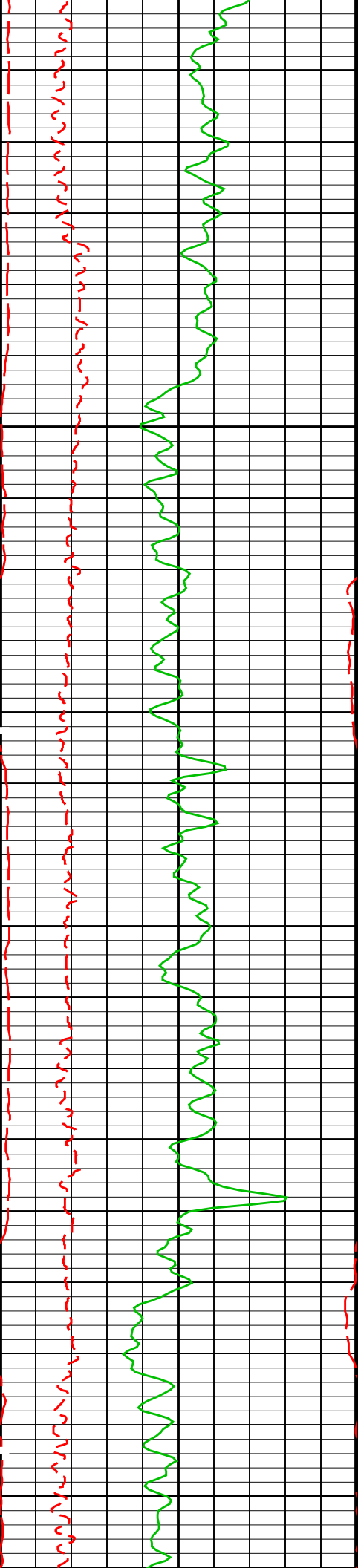


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4300



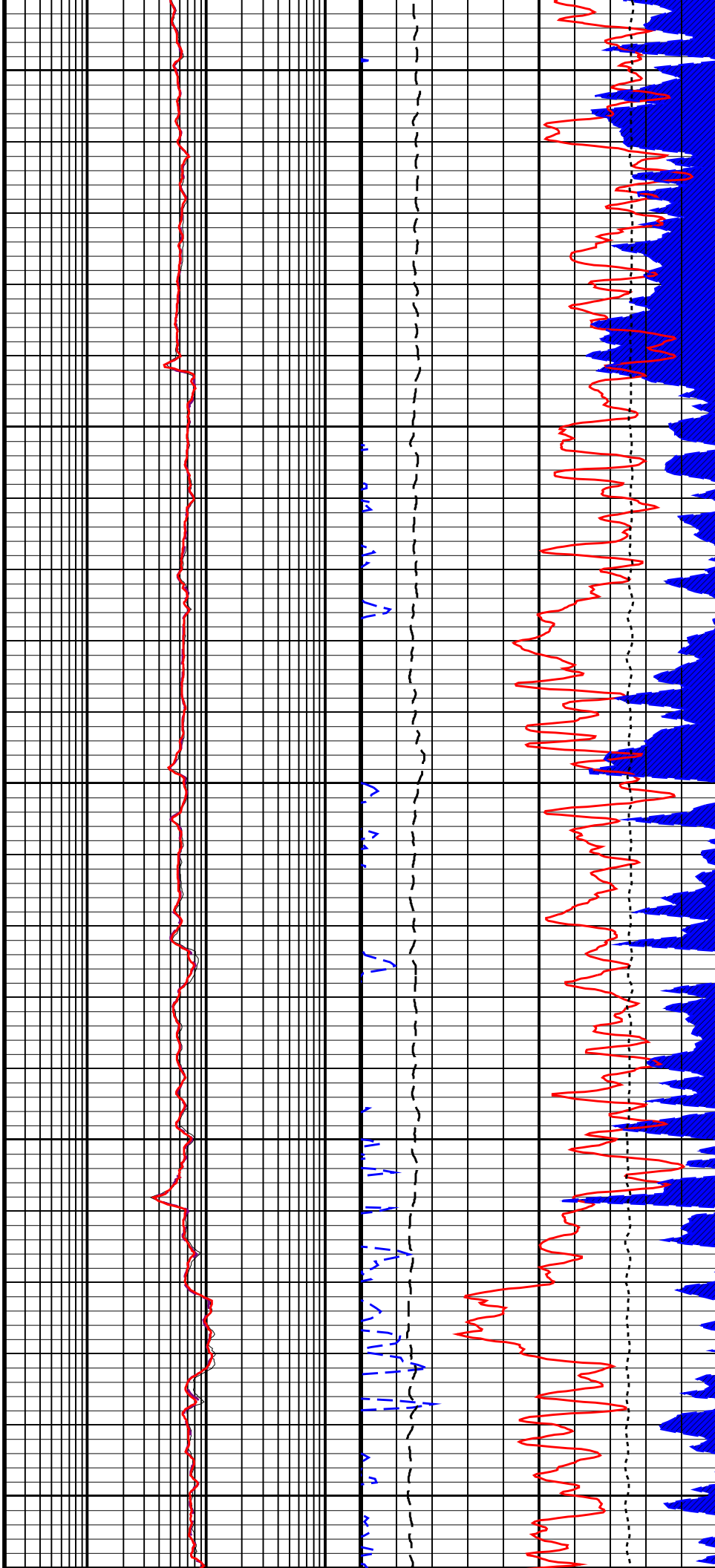


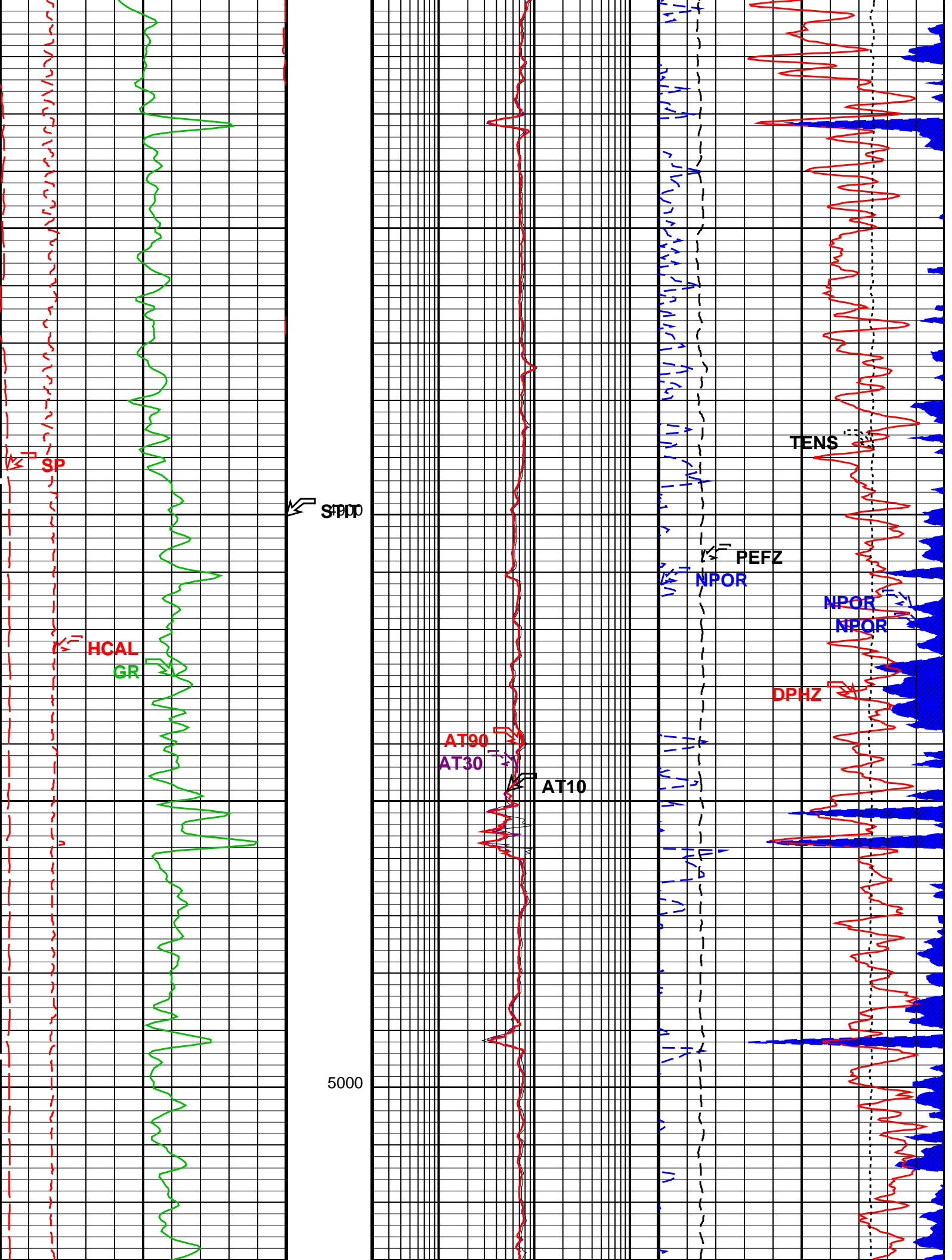


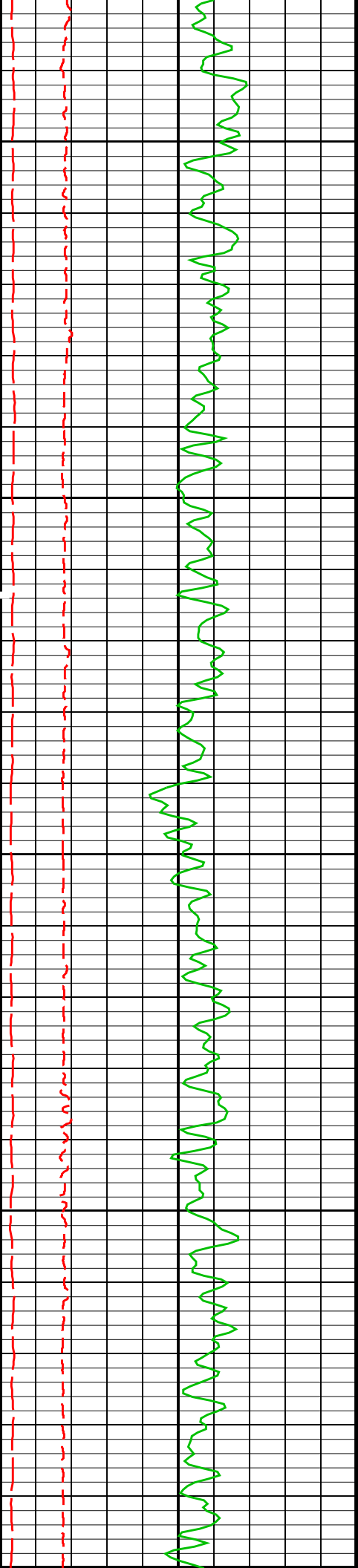
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4700

4800

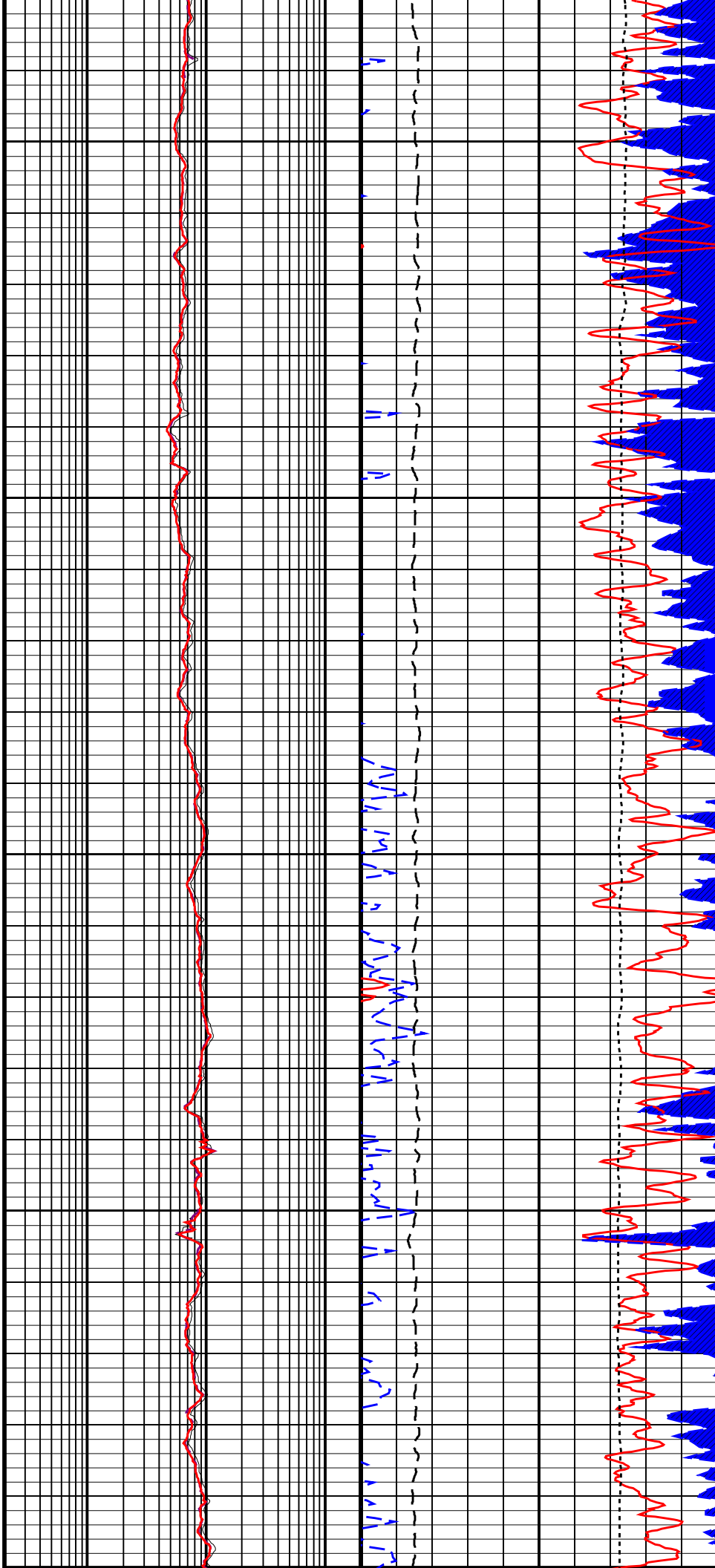




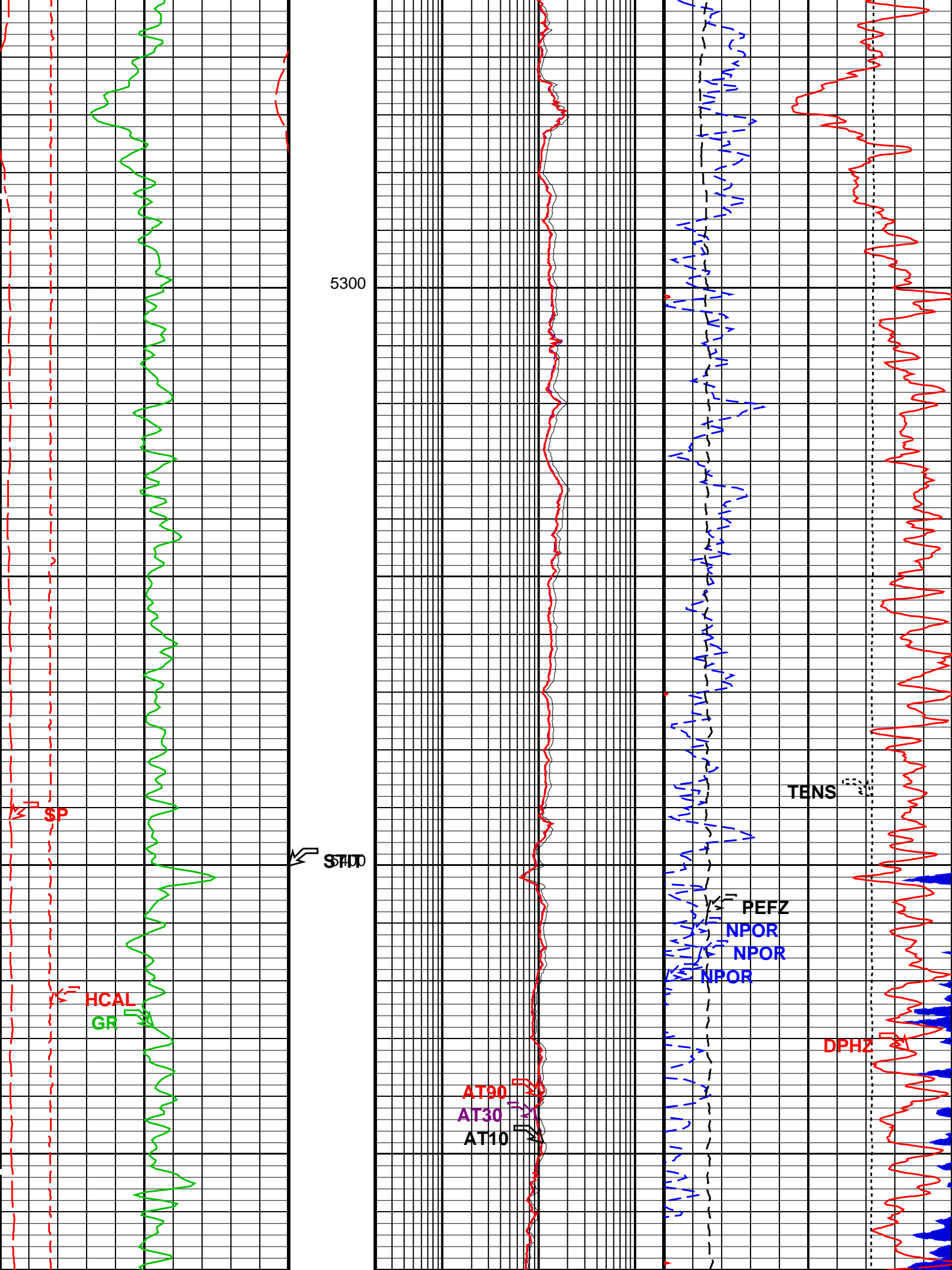


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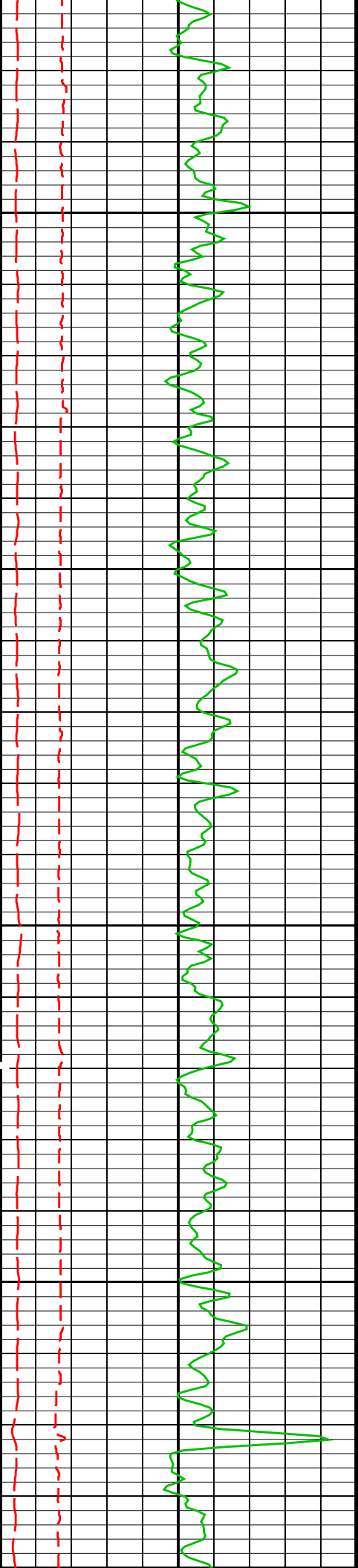
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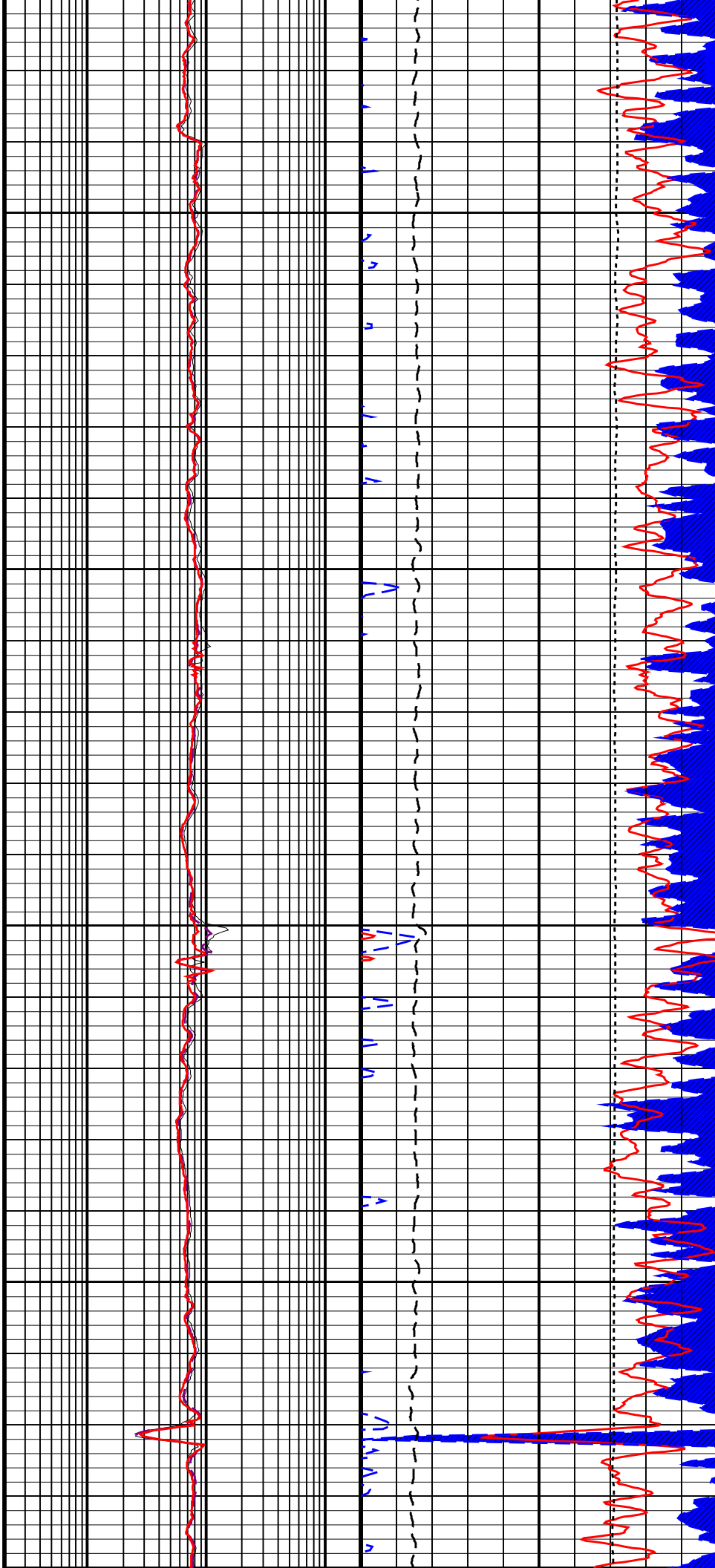


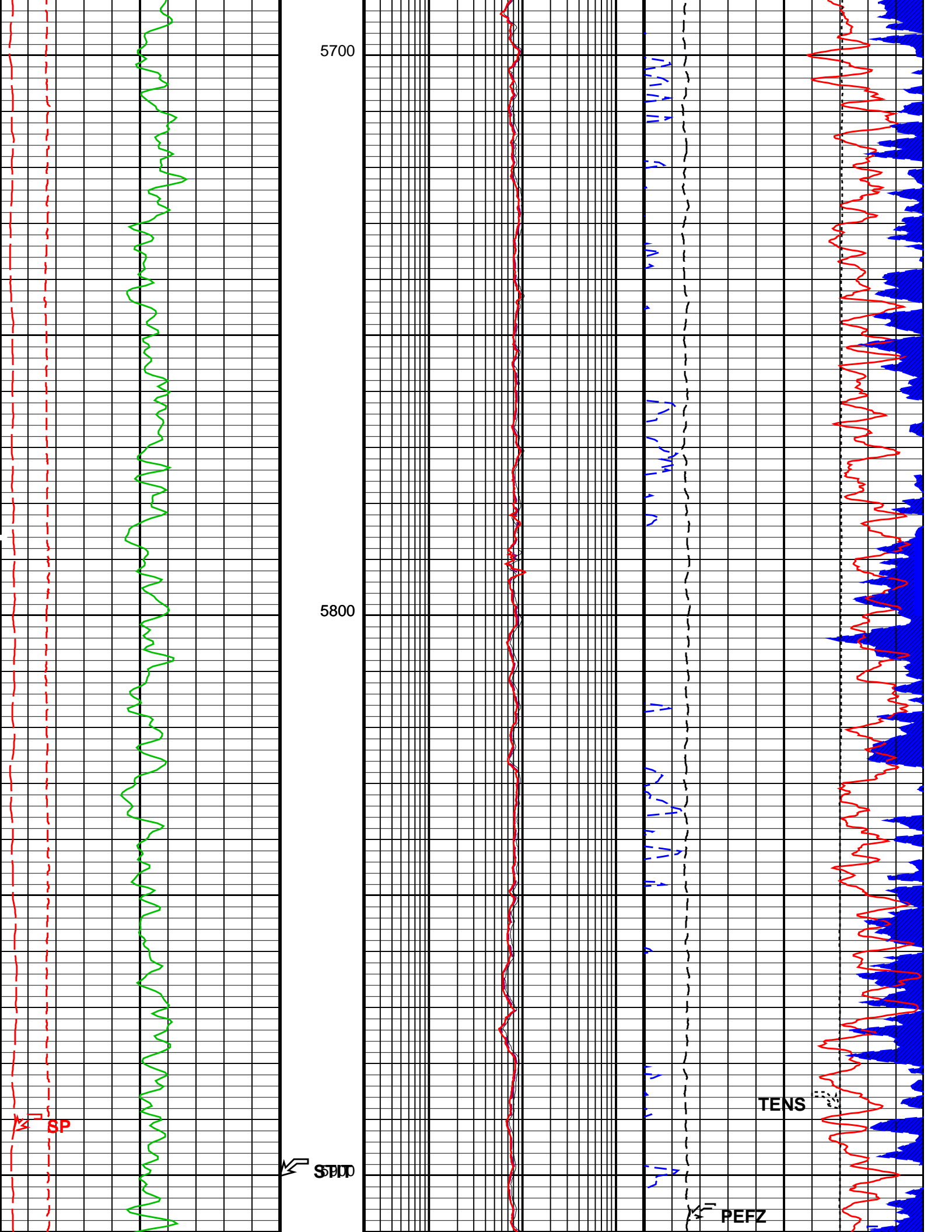


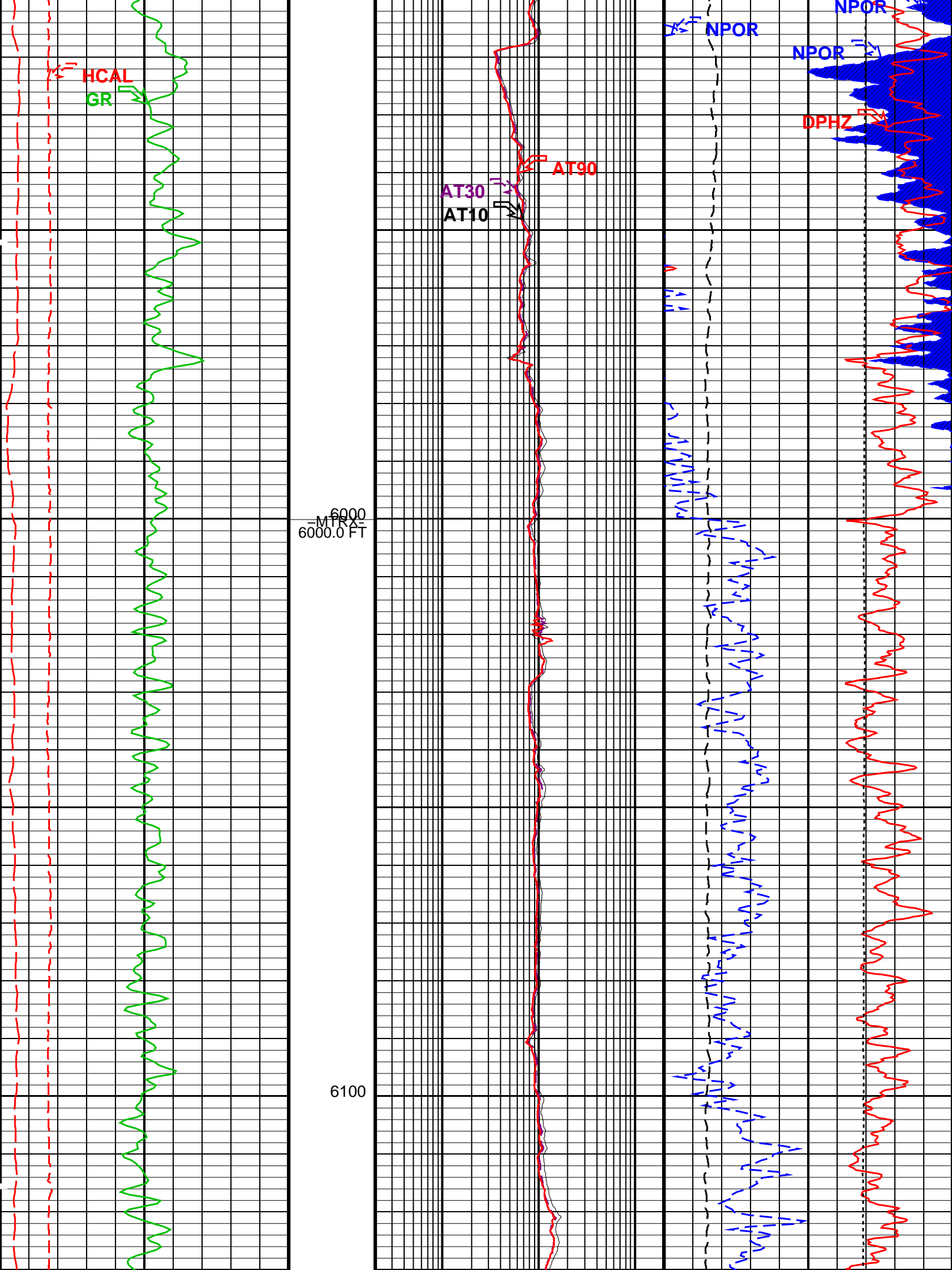


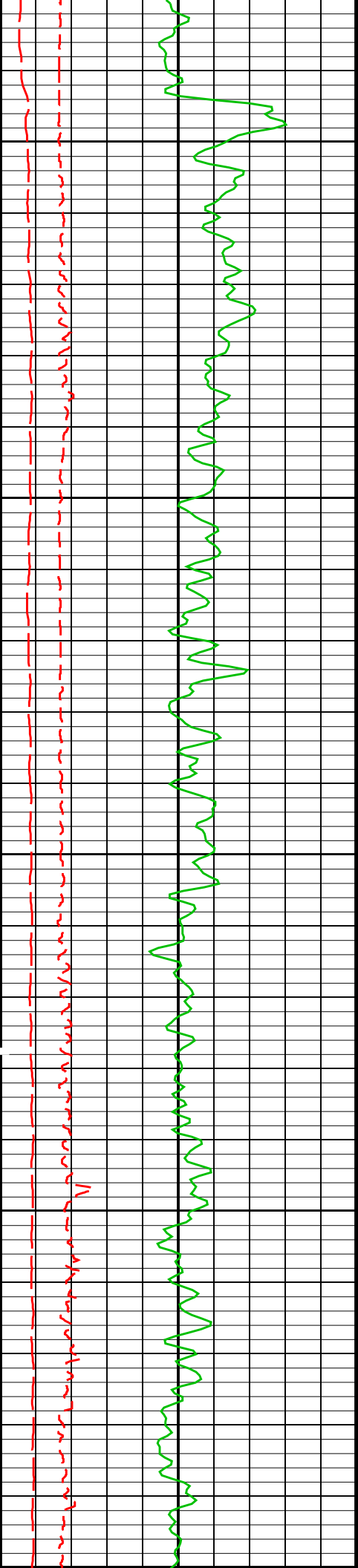
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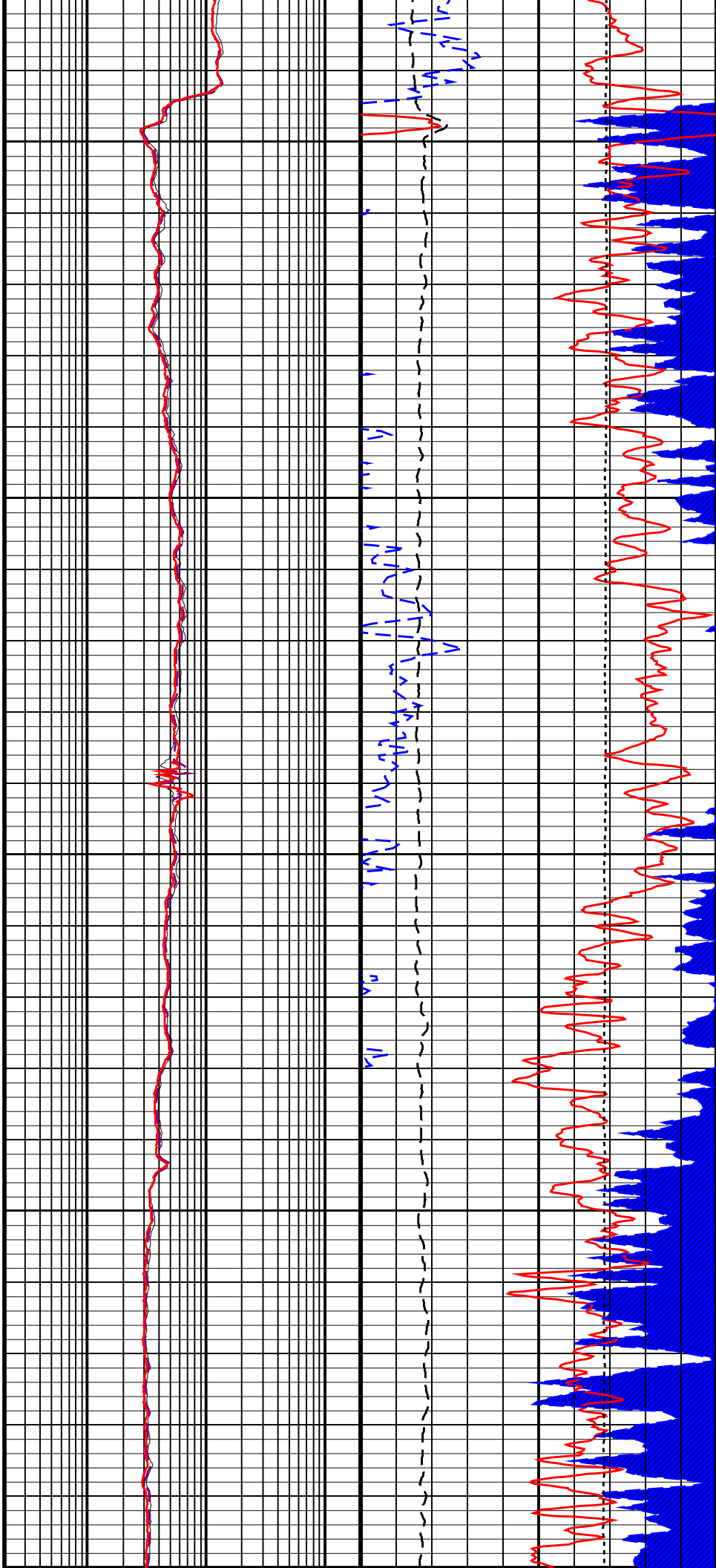


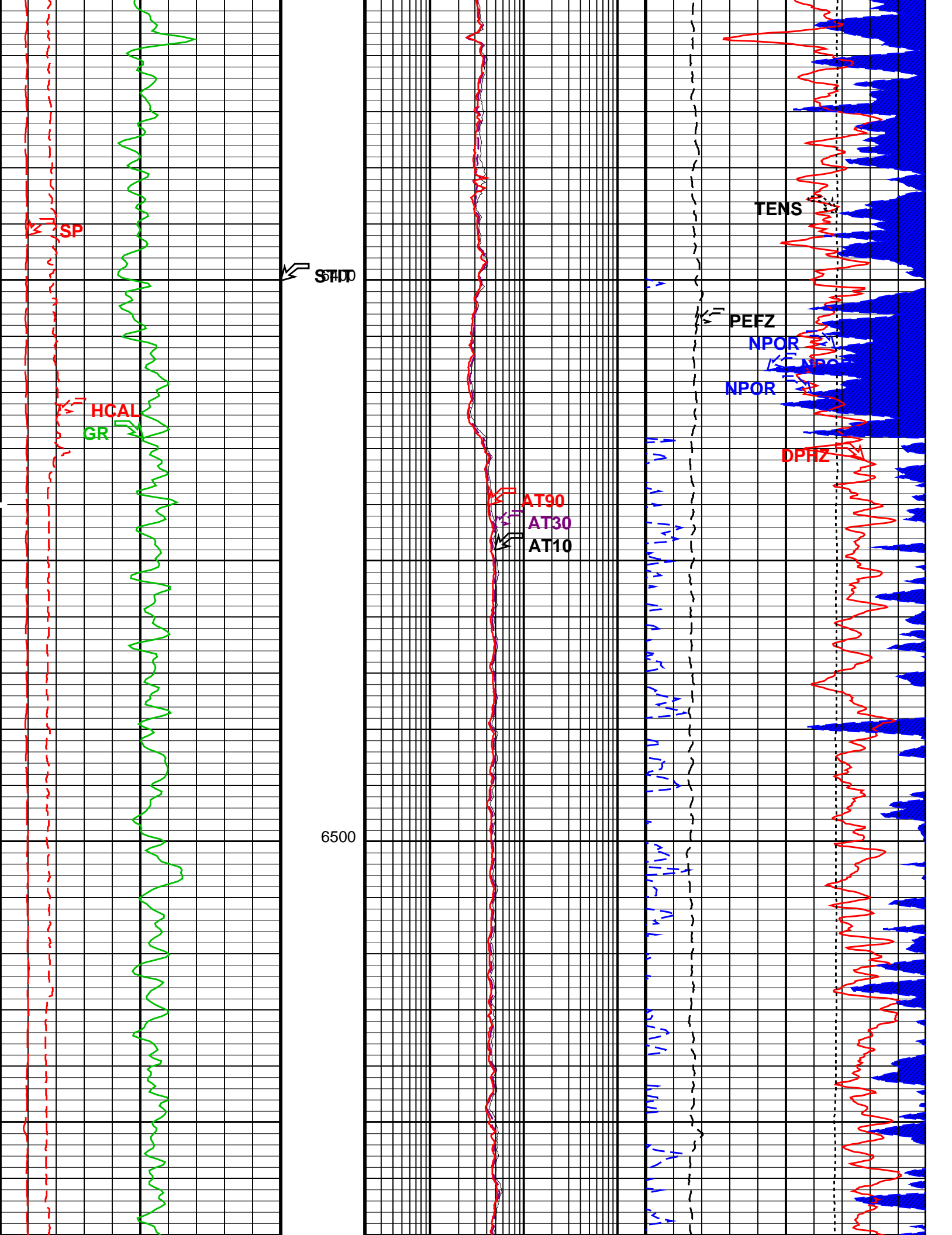


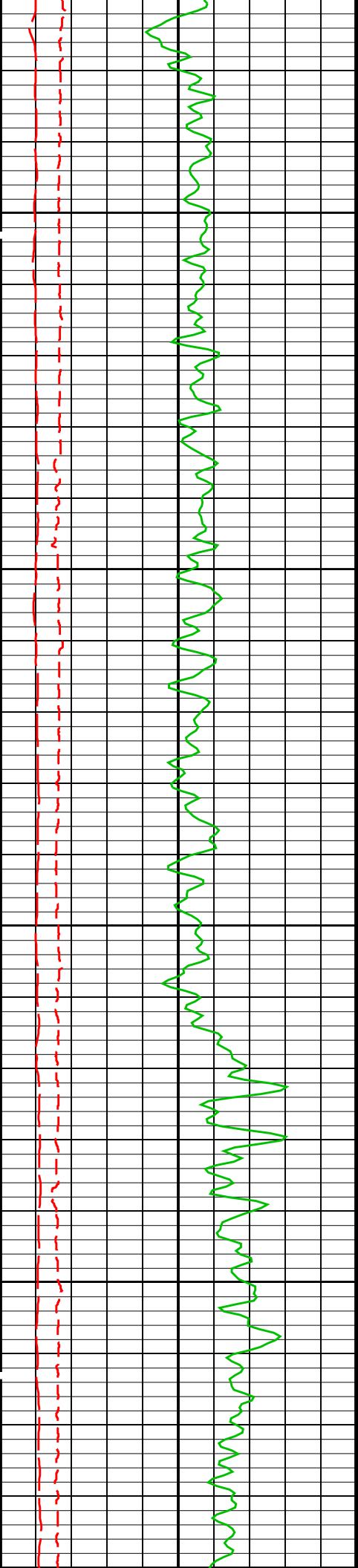


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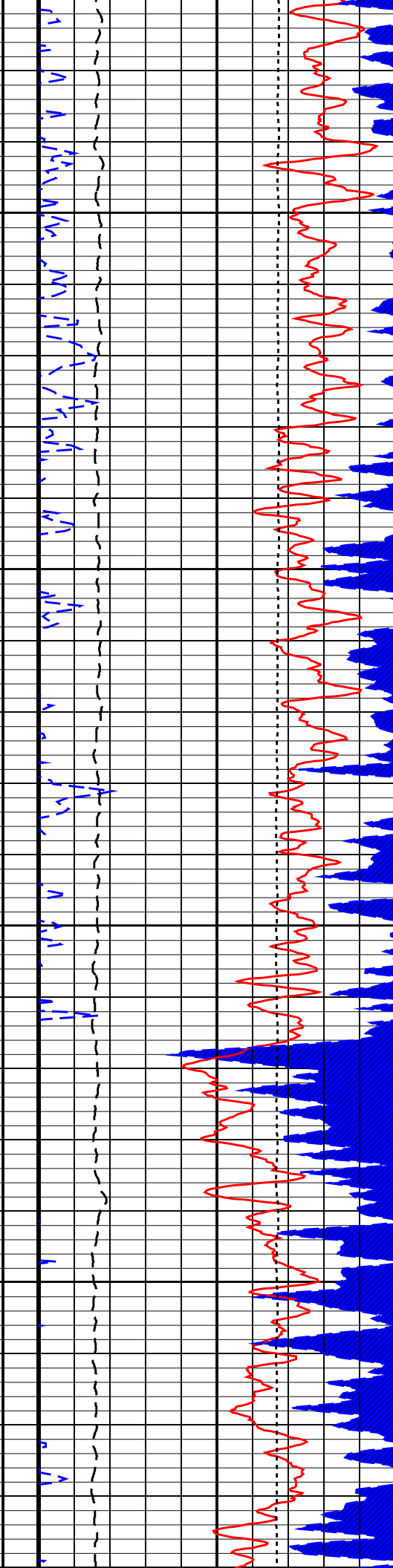
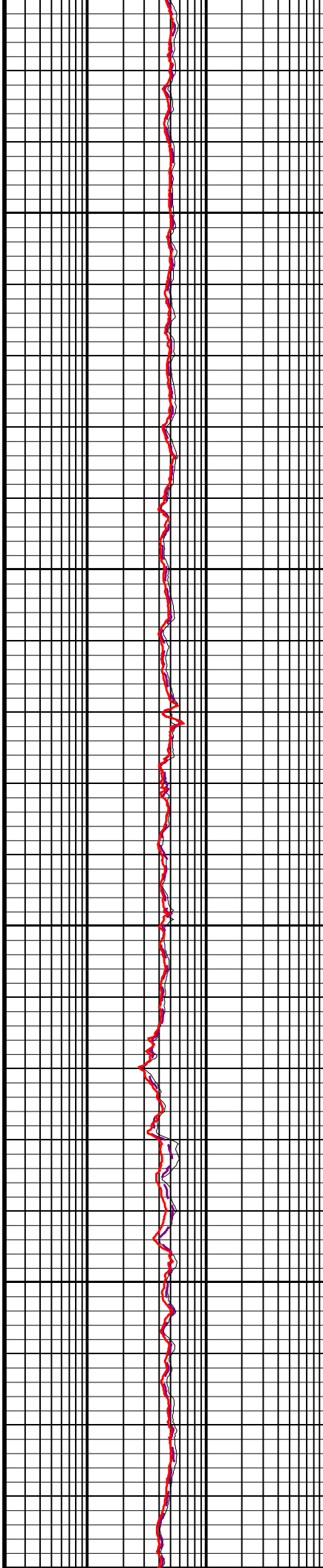


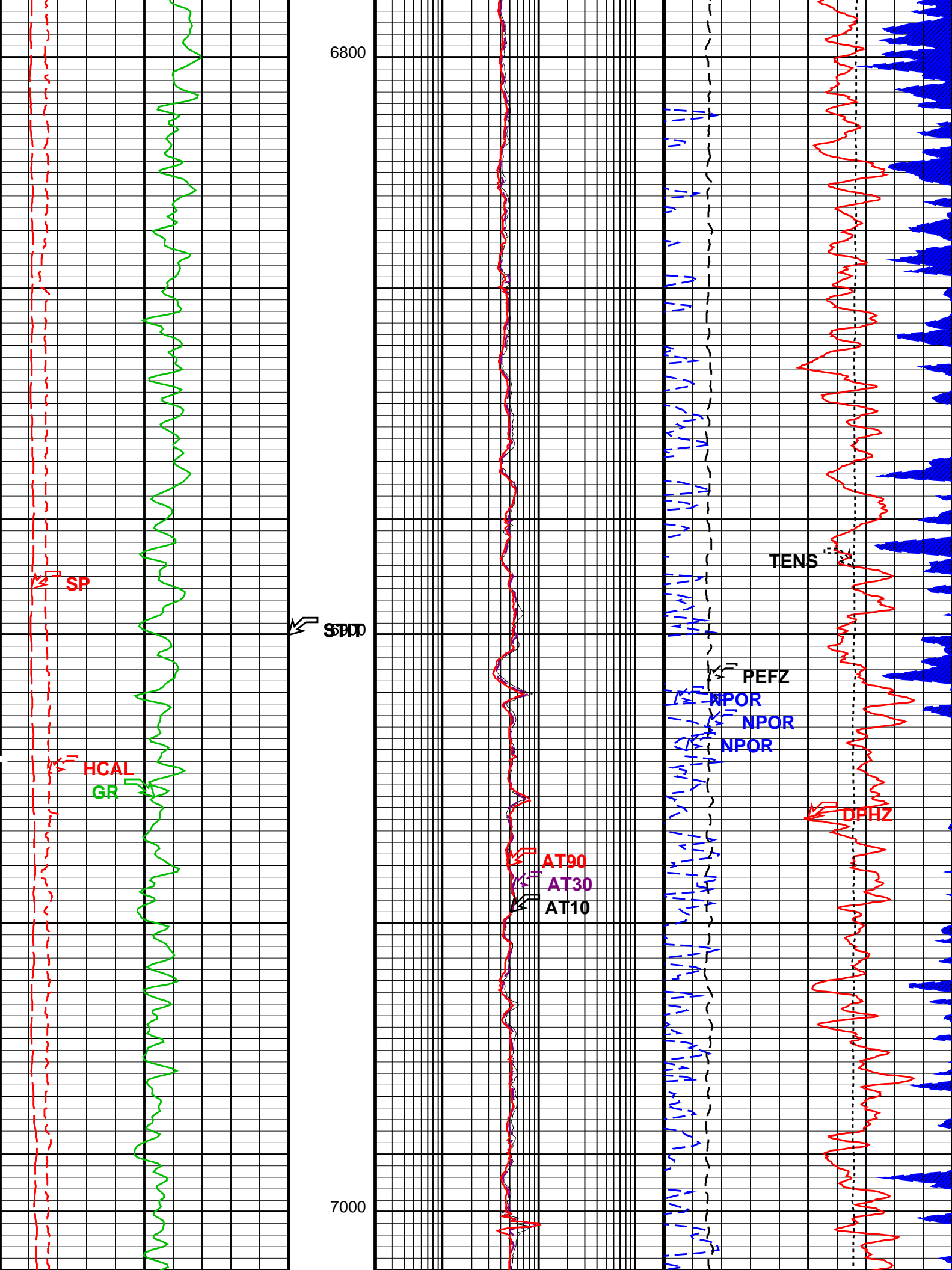


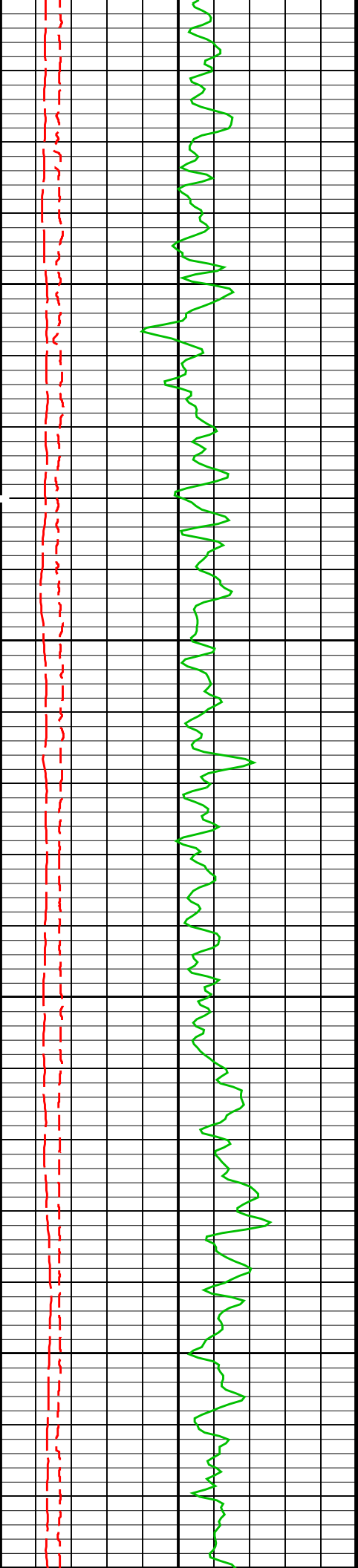


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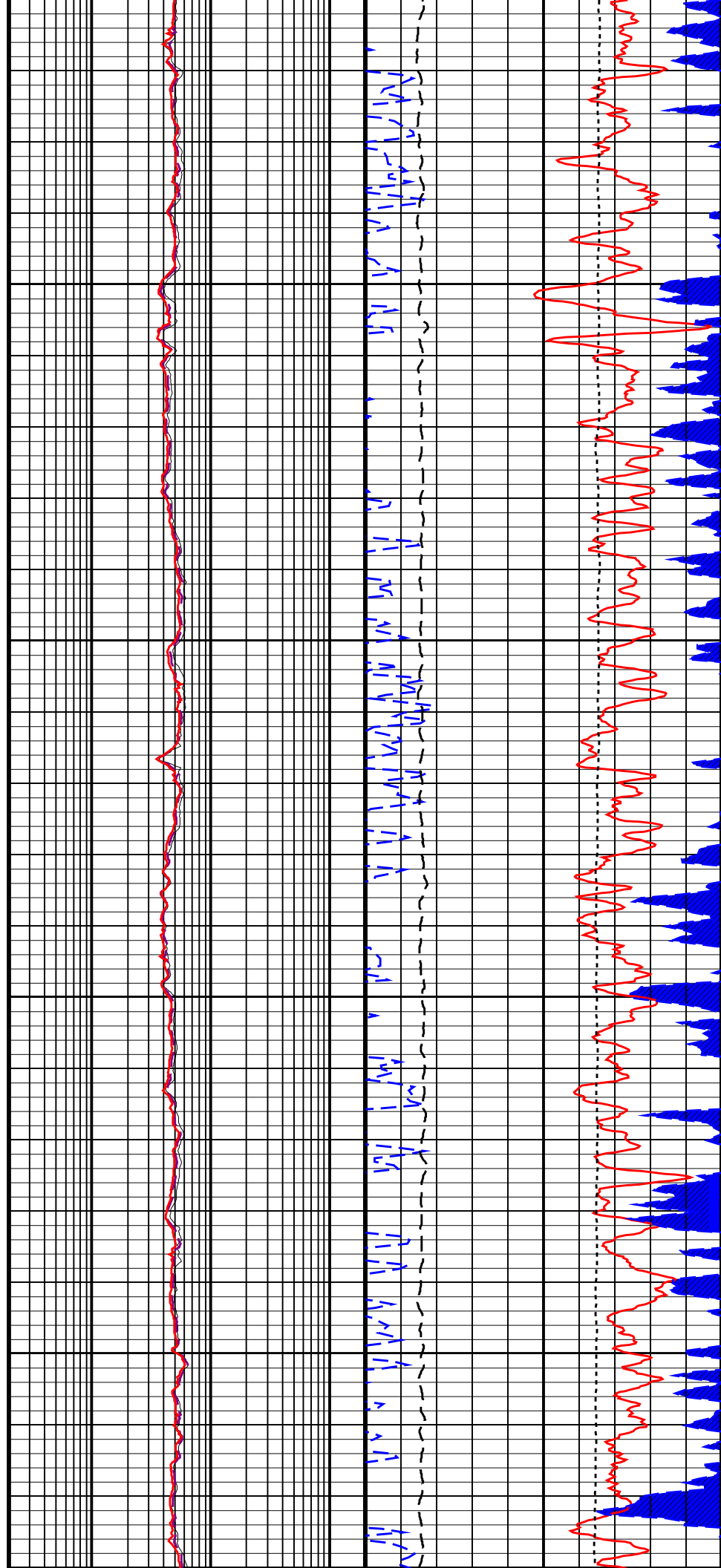




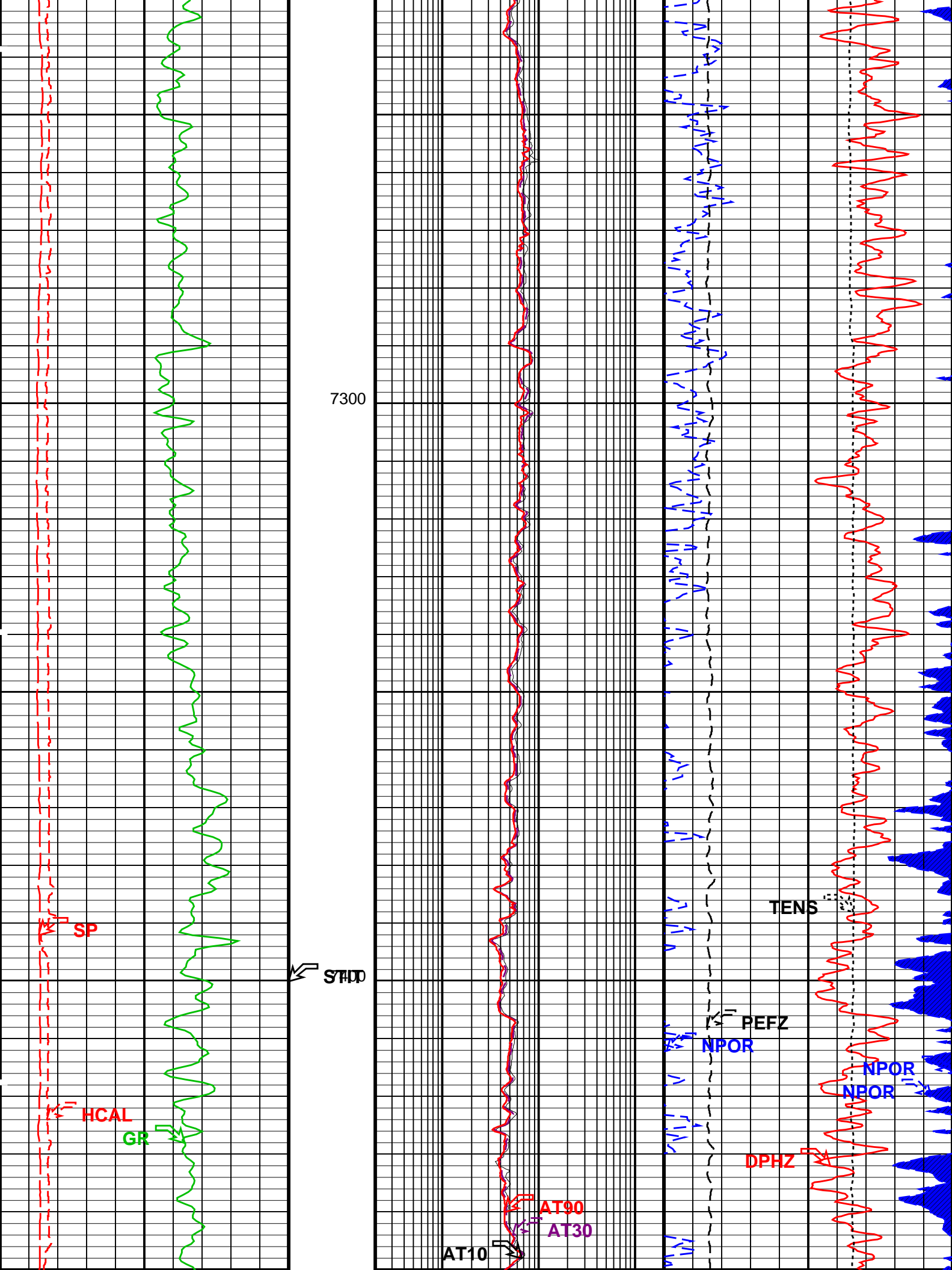


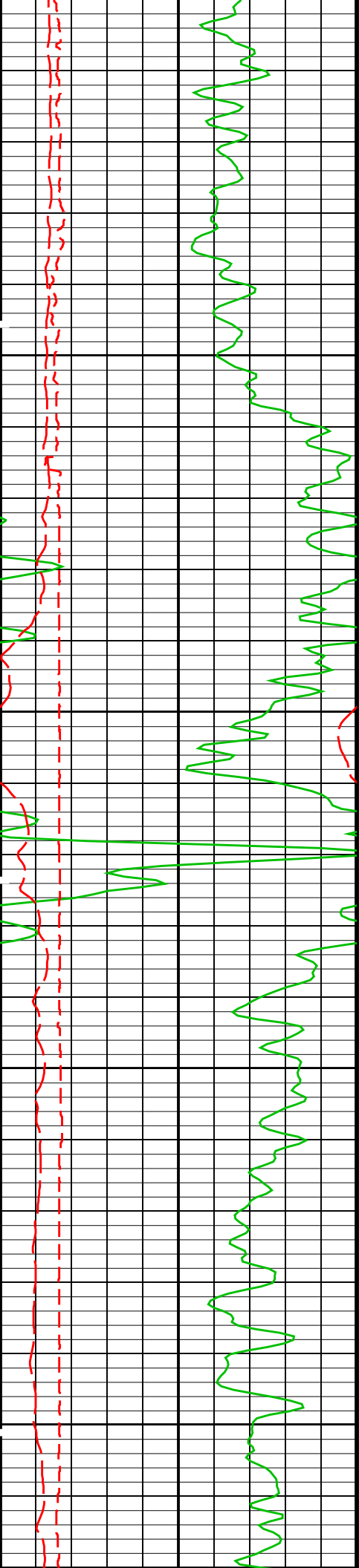
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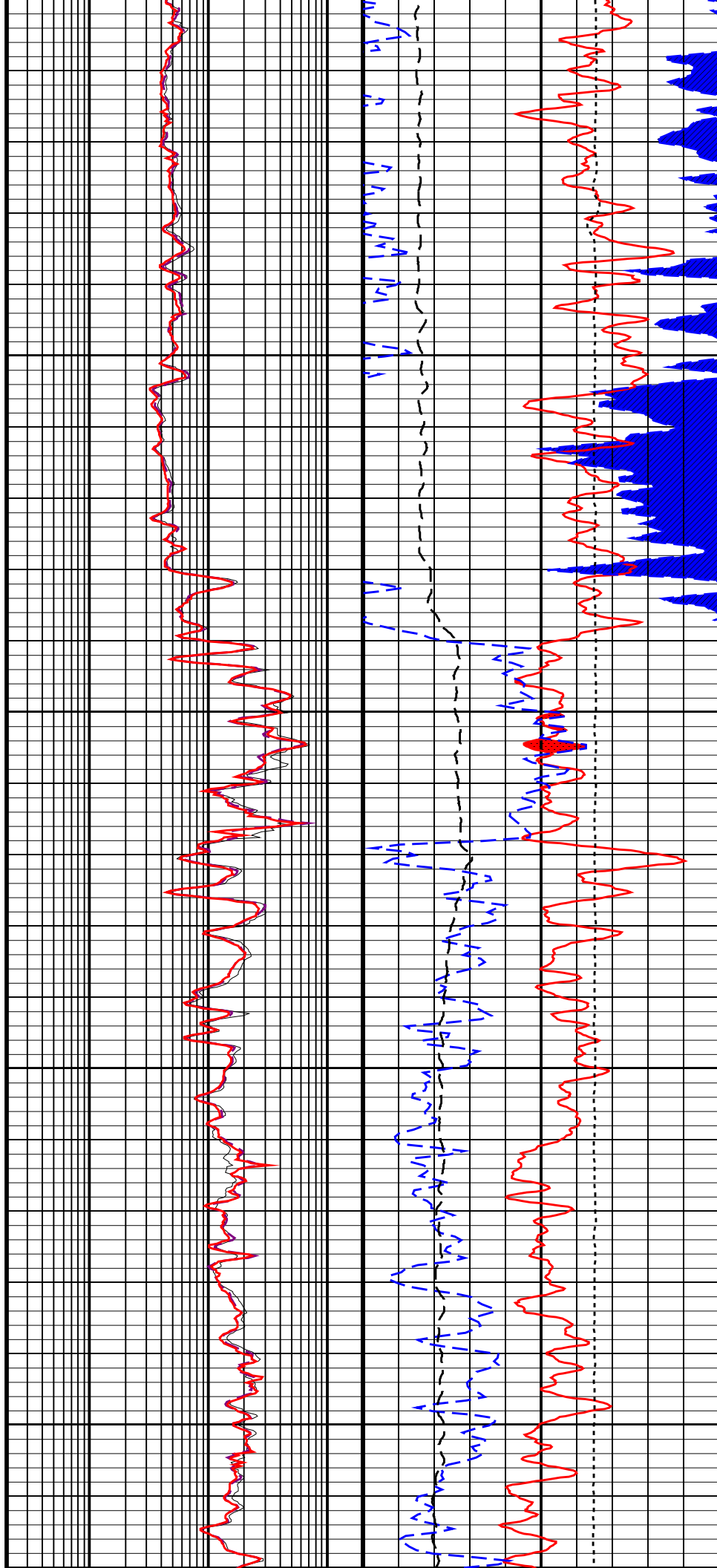


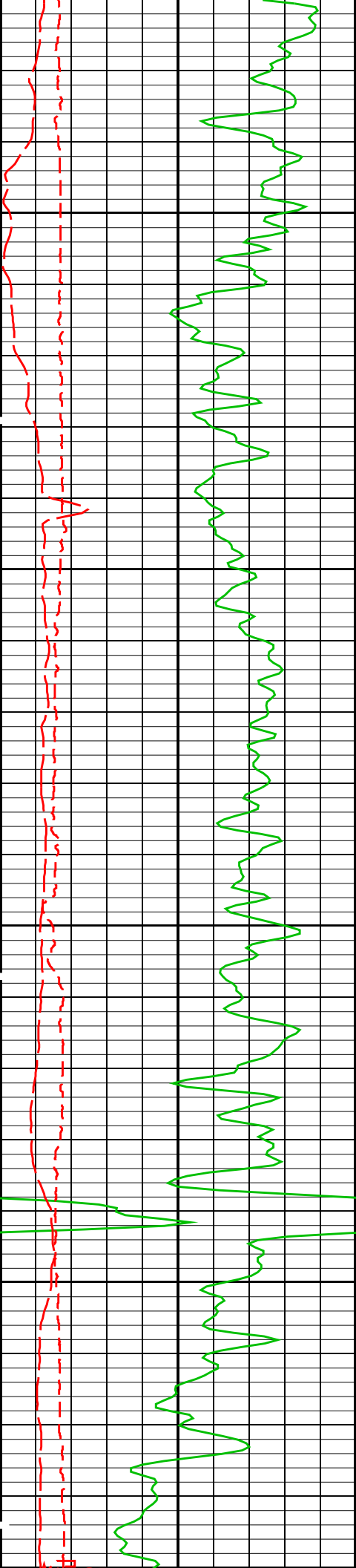




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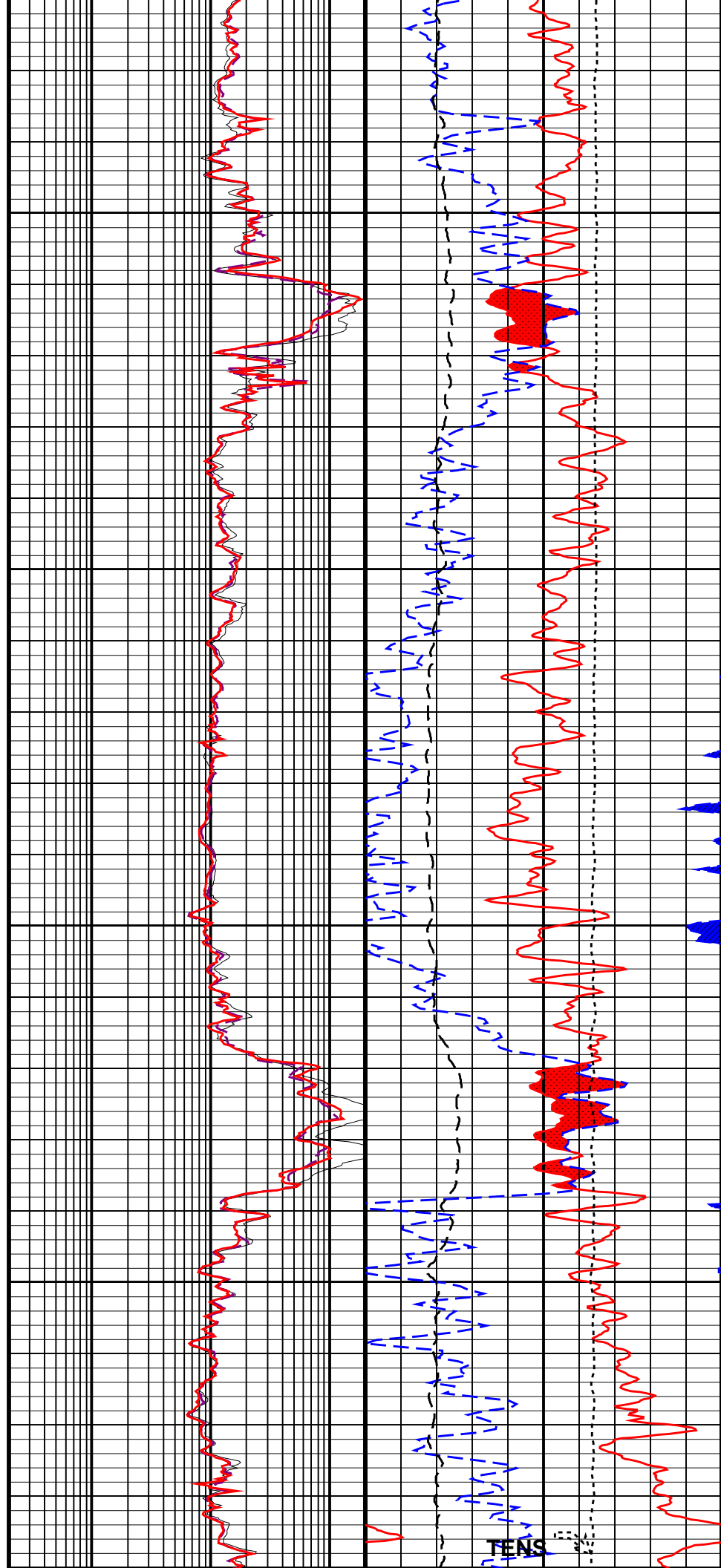
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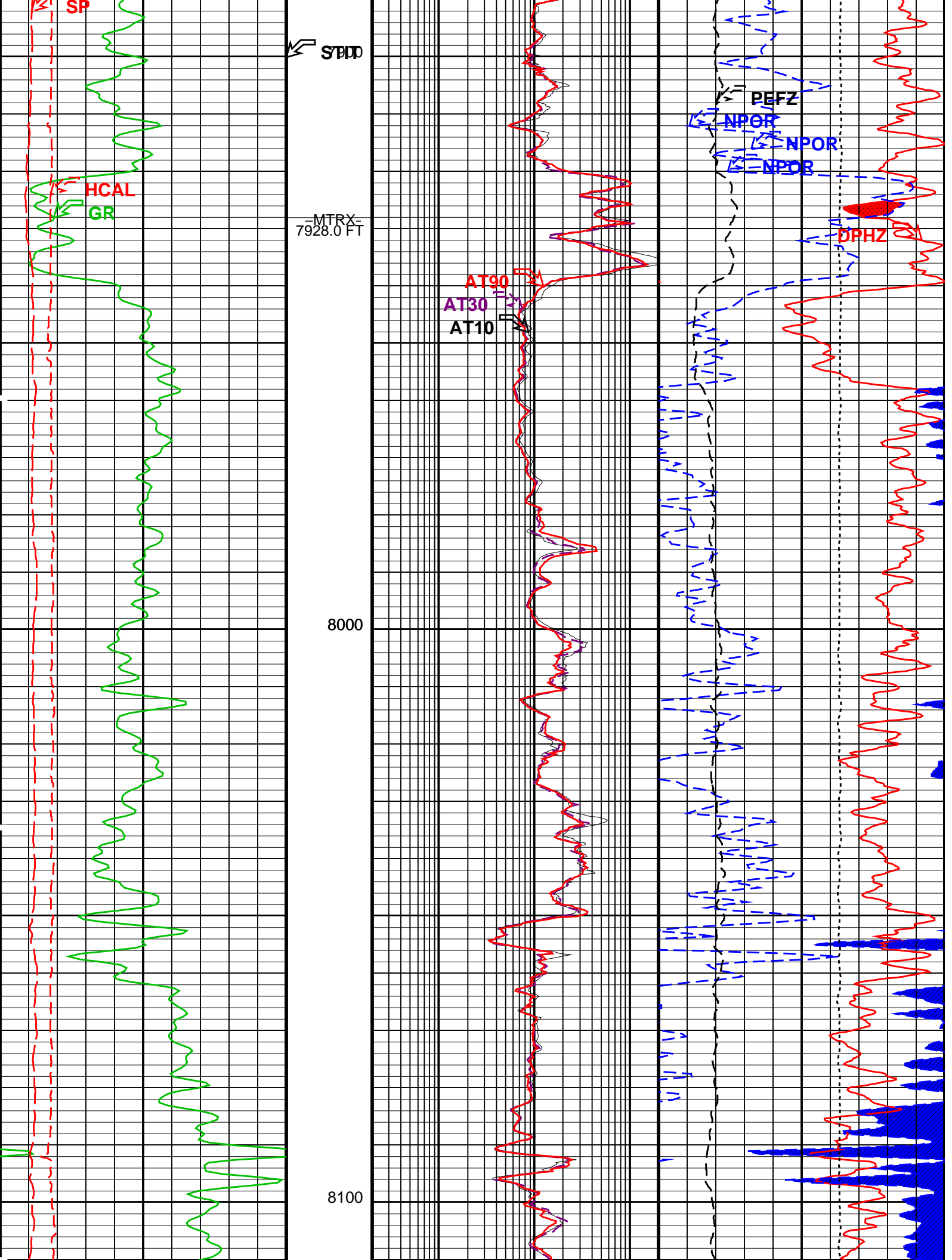


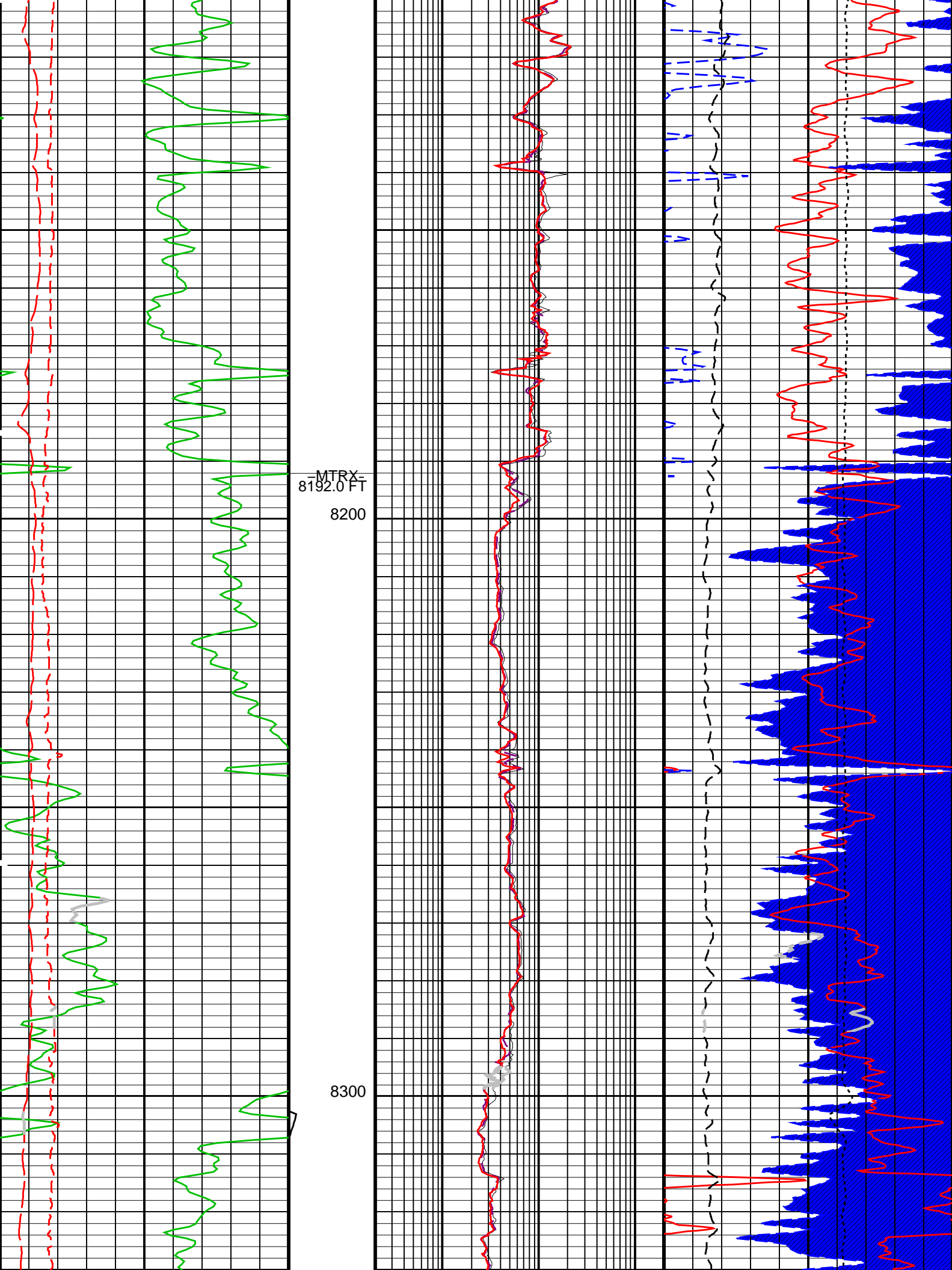


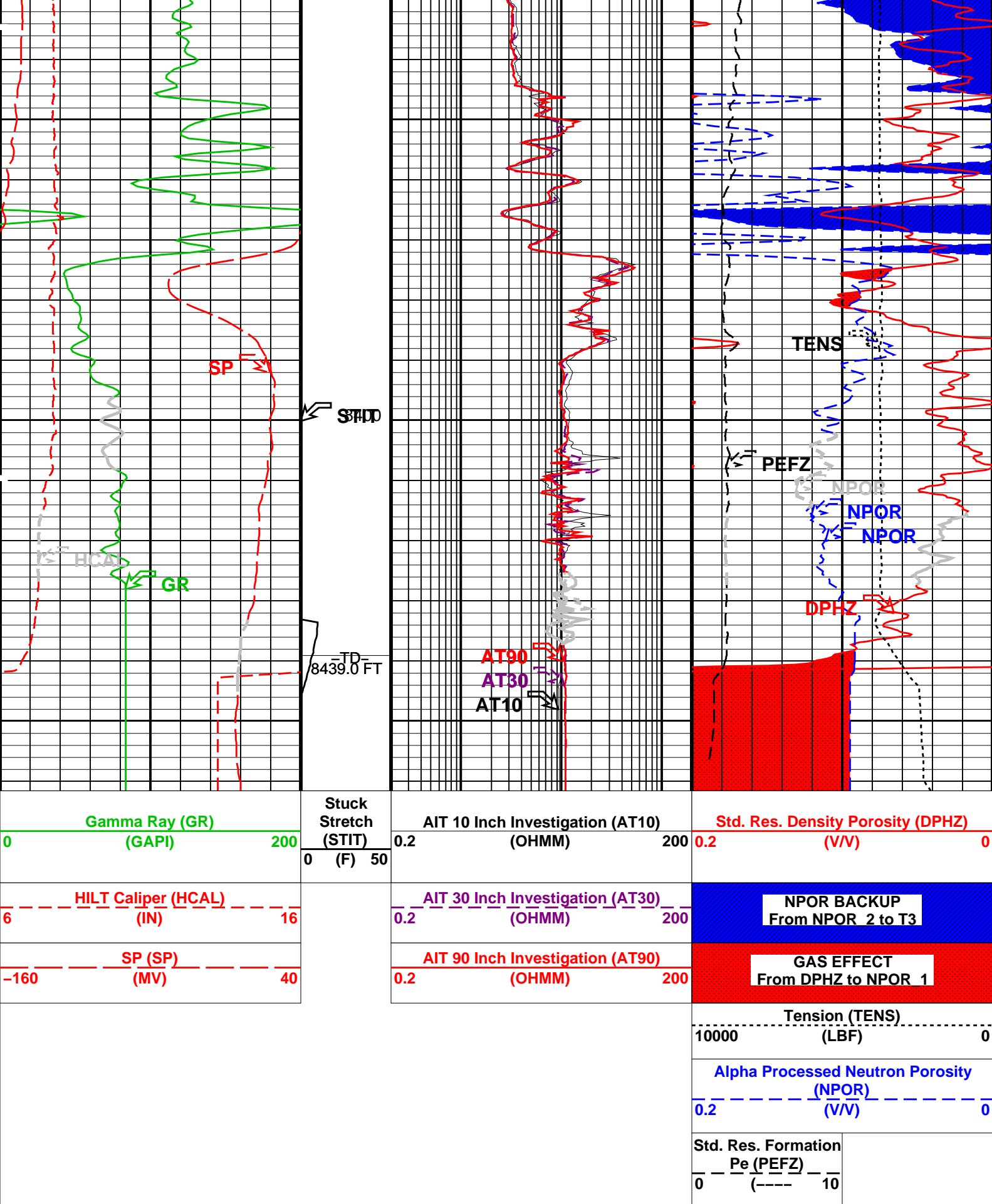
7700

7800









PIP SUMMARY

Time Mark Every 60 S

Parameters

DI IS Name

Description

Value

ABIE Name	Description	Value	
AIT-M: Array Induction Tool – M			
ABHM	Array Induction Borehole Correction Mode	2_ComputeStandoff	
ABHV	Array Induction Borehole Correction Code Version Number	900	
ABLM	Array Induction Basic Logs Mode	6_One_Two_and_Four	
ABLV	Array Induction Basic Logs Code Version Number	223	
ACDE	Array Induction Casing Detection Enable	Yes	
ACEN	Array Induction Tool Centering Flag (in Borehole)	Eccentered	
ACSED	Array Induction Casing Shoe Estimated Depth	-50000	FT
AETP	Array Induction Enable Sonde Error Temp&Pres Corr	Yes	
AFRSV	Array Induction Response Set Version for Four ft Resolution	41.70.24.20	
AIGS	Array Induction Select Akima Interpolation Gating	On	
AMRF	Array Induction Mud Resistivity Factor	1	
AORSV	Array Induction Response Set Version for One ft Resolution	41.70.24.20	
ARFV	Array Induction Radial Profiling Code Version Number	701	
ARPV	Array Induction Radial Parametrization Code Version Number	232	
ASTA	Array Induction Tool Standoff	0.25	IN
ATRSV	Array Induction Response Set Version for Two ft Resolution	41.70.24.20	
ATSE	Array Induction Temperature Selection(Sonde Error Correction)	Internal	
AULV	Array Induction User Level Control	Normal	
AZRSV	Array Induction Response Set Version for Z Resolution	00.10.25.00	
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	198	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	AITM_RESIST	
GTSE	Generalized Temperature Selection	HSTS_HTEM	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
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)	198	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	AITM_RESIST	
GTSE	Generalized Temperature Selection	HSTS_HTEM	
HSCO	Hole Size Correction Option	YES	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
MCCO	Mud Cake Correction Option	NO	
MCOR	Mud Correction	NATU	
MDEN	Matrix Density	2.71	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	
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)	198	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	AITM_RESIST	
GTSE	Generalized Temperature Selection	HSTS_HTEM	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
SHT	Surface Hole Temperature	68	DEGF
PERT: Preliminary Evaluation – Real Time			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	198	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	AITM_RESIST	
GTSE	Generalized Temperature Selection	HSTS_HTEM	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
SHT	Surface Hole Temperature	68	DEGF
STI: Stuck Tool Indicator			
LBFR	Trigger for MAXIS First Reading Label	TDL	
STKT	STI Stuck Threshold	2.5	FT
TDD	Total Depth – Driller	8512.00	FT
TDL	Total Depth – Logger	8512.00	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	9.30	LB/G
DORL	Depth Offset for Repeat Analysis	0.0	FT
FLEV	Fluid Level	-50000.00	FT
MST	Mud Sample Temperature	75.00	DEGF
RMFS	Resistivity of Mud Filtrate Sample	1.6500	OHMM
TD	Total Depth	8512	FT

Format: COMBO      Vertical Scale: 5" per 100'      Graphics File Created: 12-Nov-2009 21:44

## OP System Version: 17C0-154

AIT-M	17C0-154	HILTB-FTB	17C0-154
DTC-H	17C0-154		

## Output DLIS Files

DEFAULT	AIT_TLD_MCFL_CNL_008LUP	FN:7	PRODUCER	12-Nov-2009 21:44
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Company: **Kerr McGee Oil and Gas Onshore, LP**

**Schlumberger**

Well: **Commons 6-19**

Field: **Wattenberg**

County: **Weld**

State: **Colorado**

Platform Express

Triple Combo