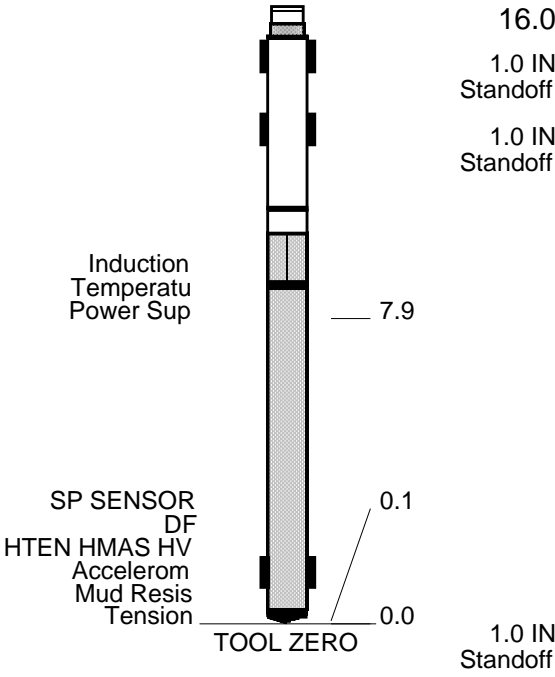
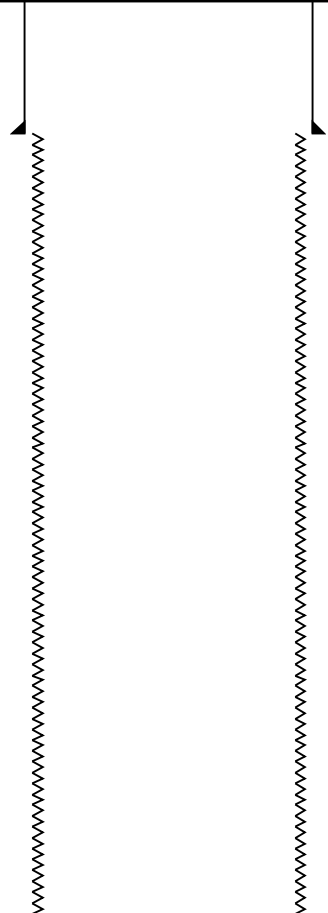


OTHER SERVICES1	OTHER SERVICES2
OS1: MSIP	OS1:
OS2:	OS2:
OS3:	OS3:
OS4:	OS4:
OS5:	OS5:
REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
Tool run as per tool sketch.	
This is the first run in hole and primary depth reference.	
Data may be affected by hole rugosity.	
Matrix: Limestone 2.71	

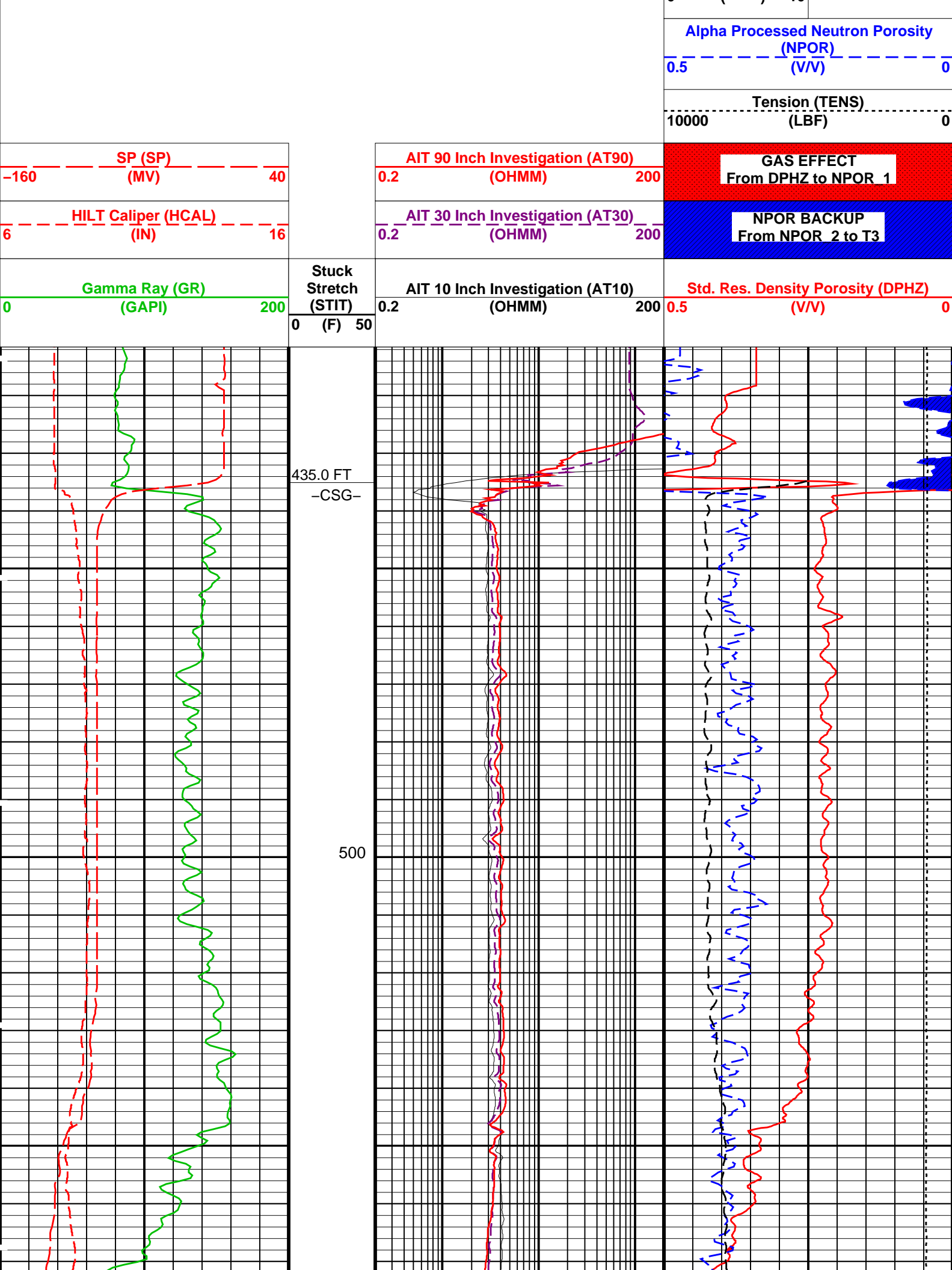
AIT-M
AMIS-A 1270
AMRM-A

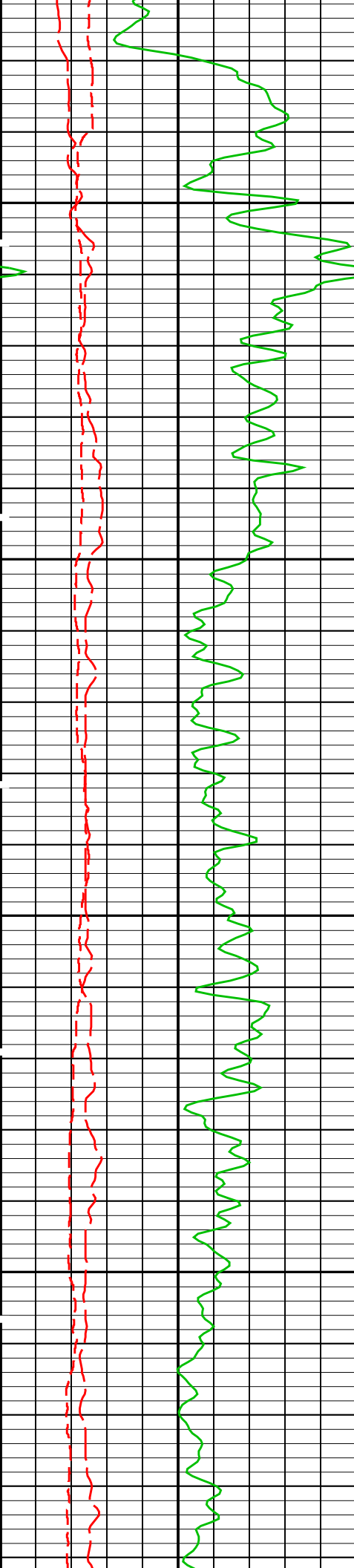


MAXIMUM STRING DIAMETER 5.88 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN FEET

Production String	(in)		(ft)	Well Schematic	(ft)	(in)		Casing String
	OD	ID	MD		MD	OD	ID	
					0.0	8.625	8.097	Casing String
					437.0 437.0	8.625 7.875	8.097	Casing Shoe Borehole Segment

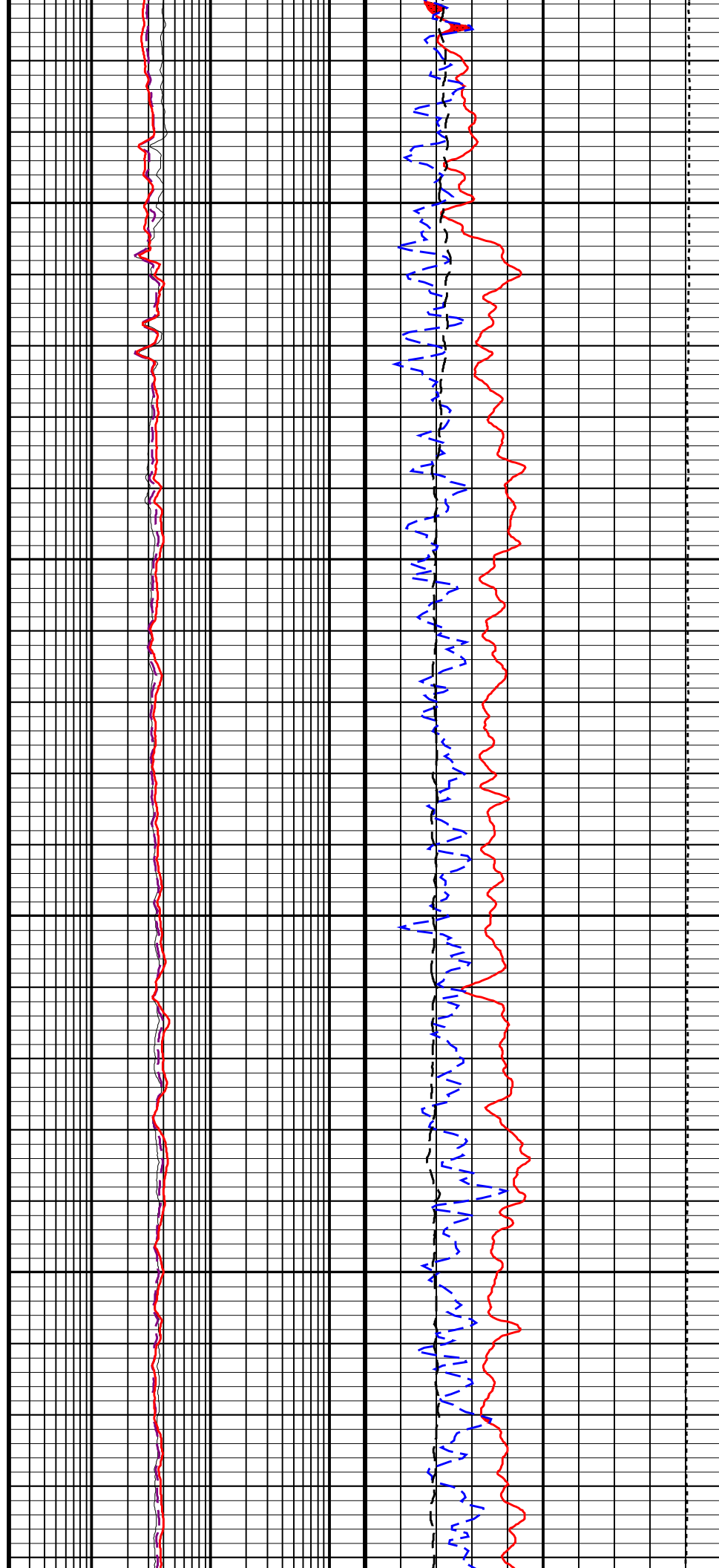
Std. Res. Formation	
0	Pe (PEFZ)
	(-----) 10

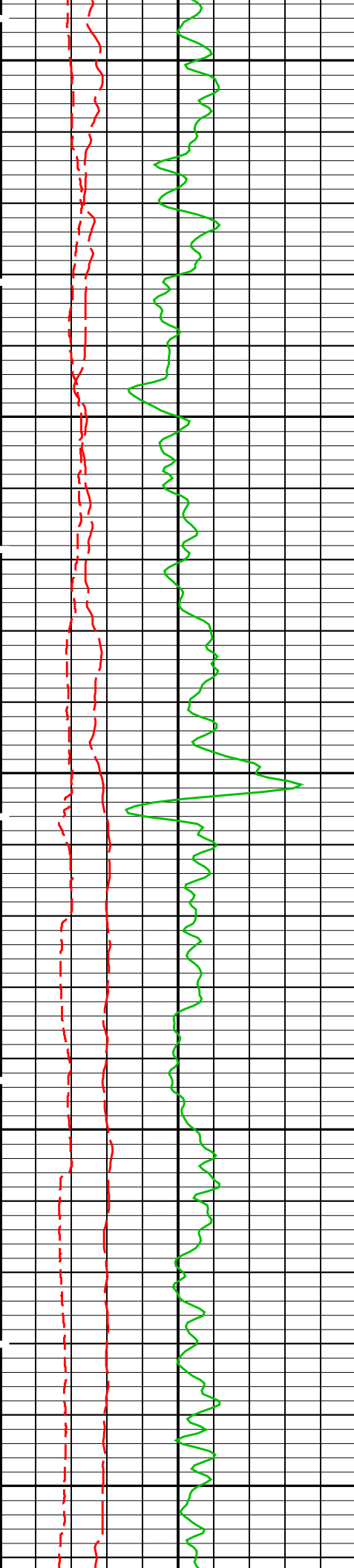




600

700

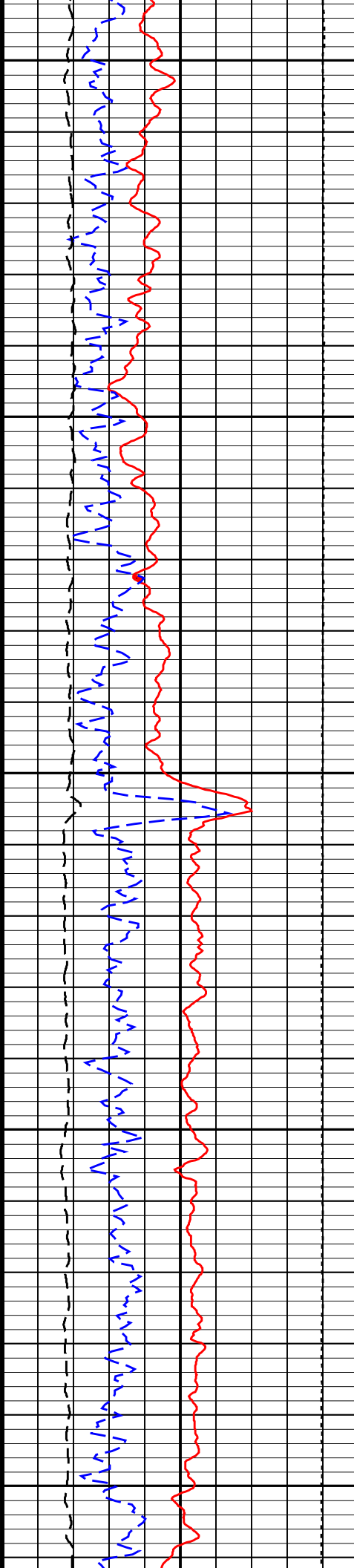
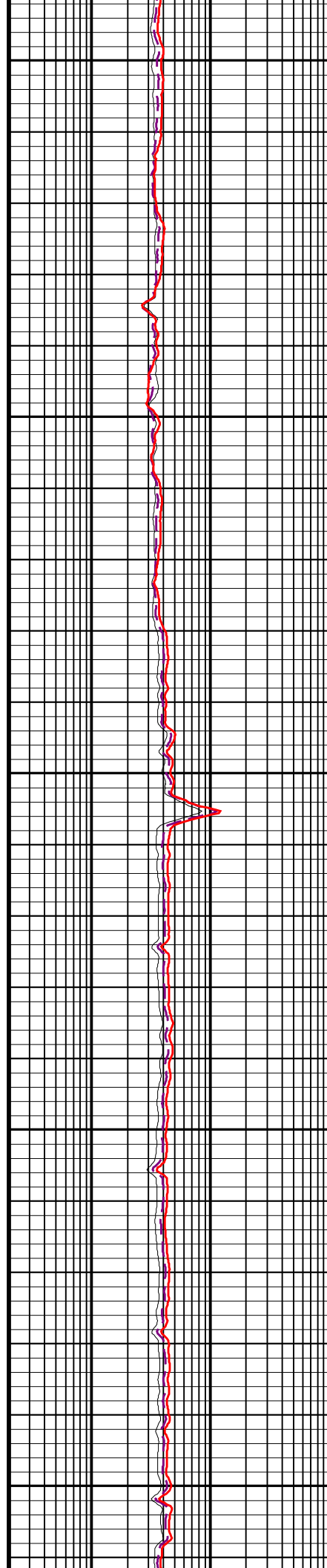


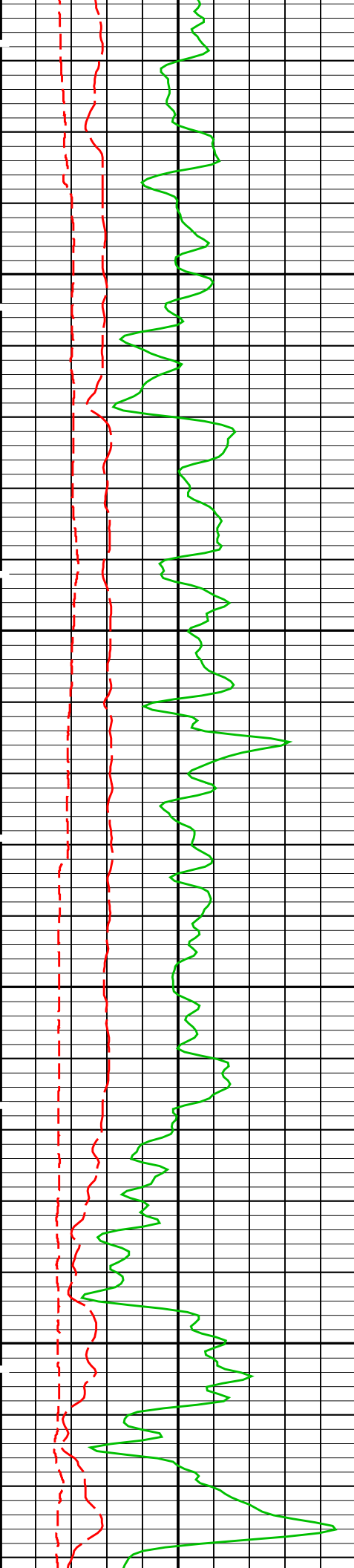


800

900

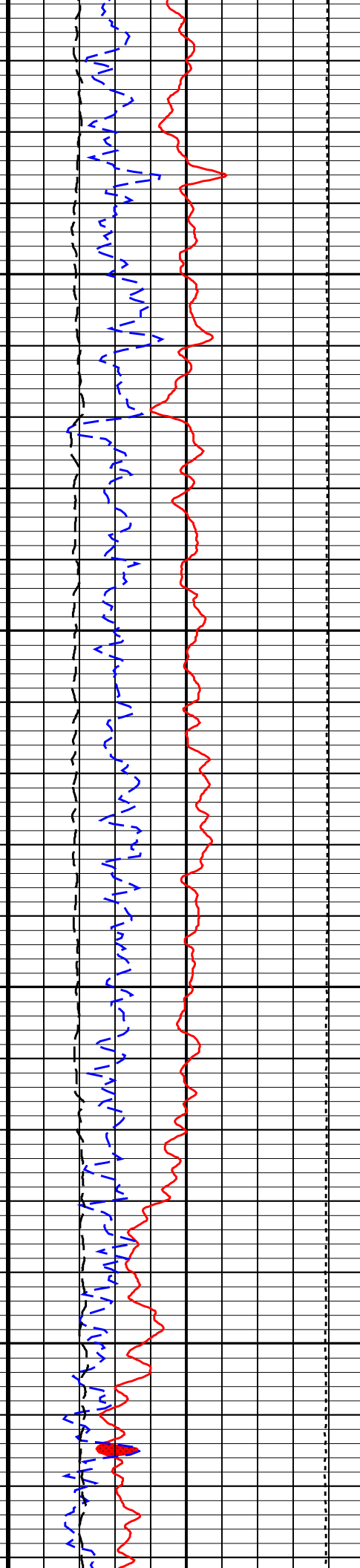
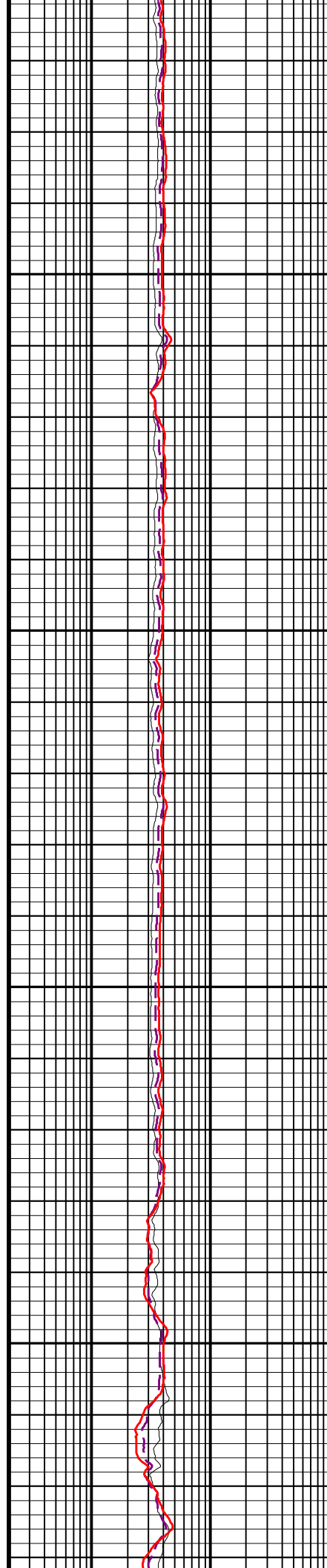
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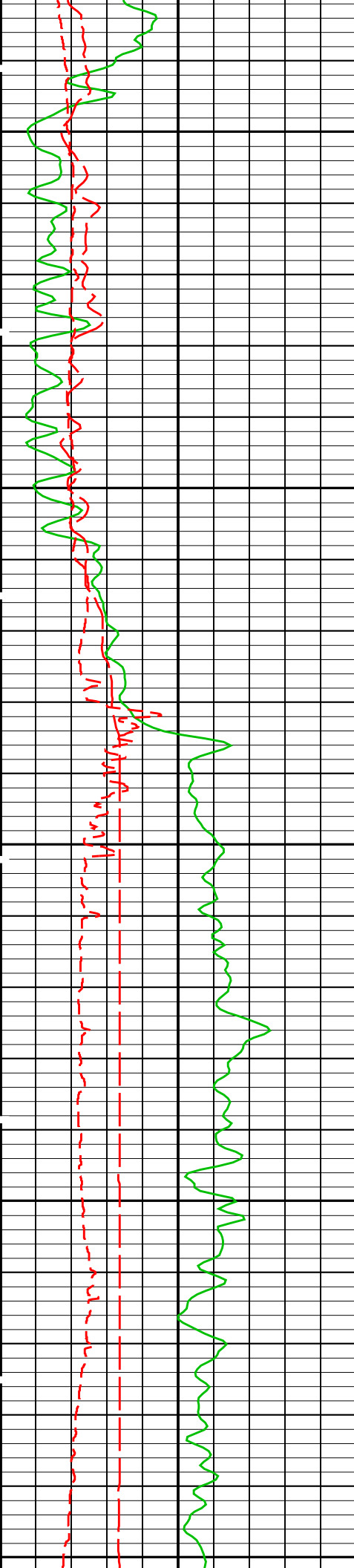




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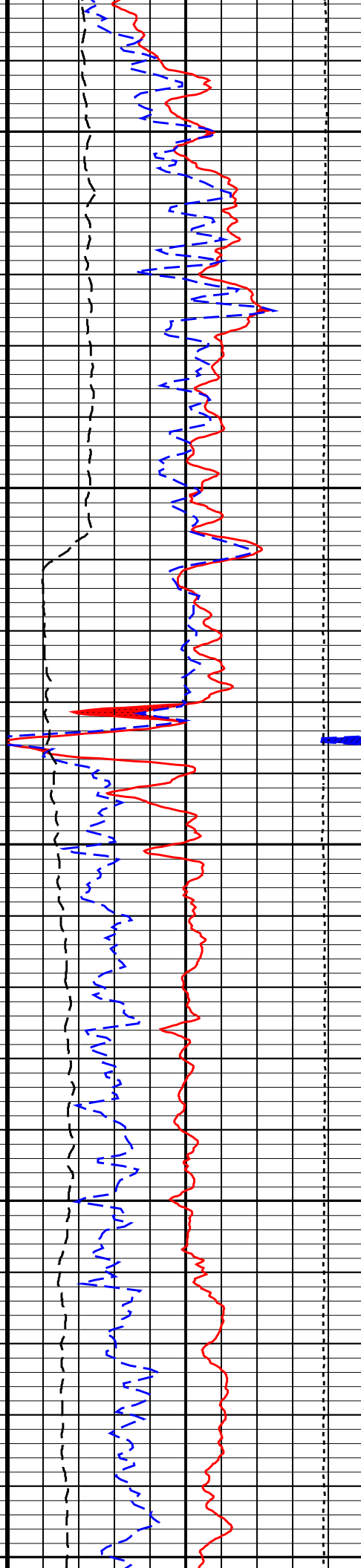
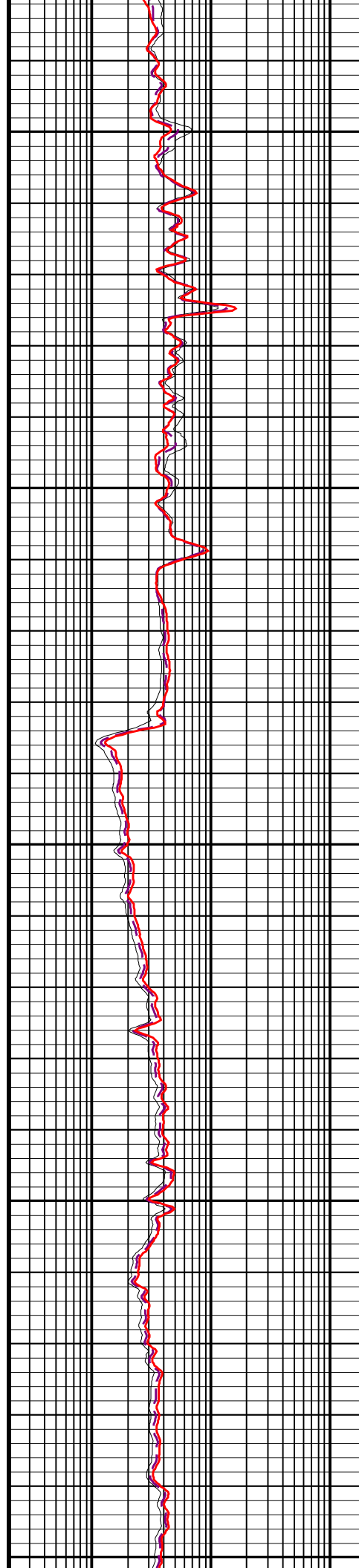
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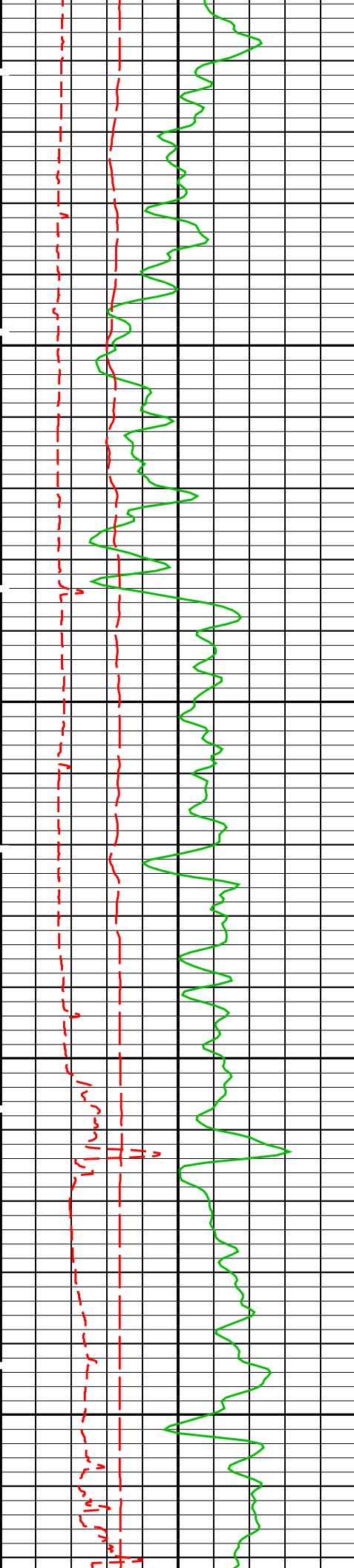




1300

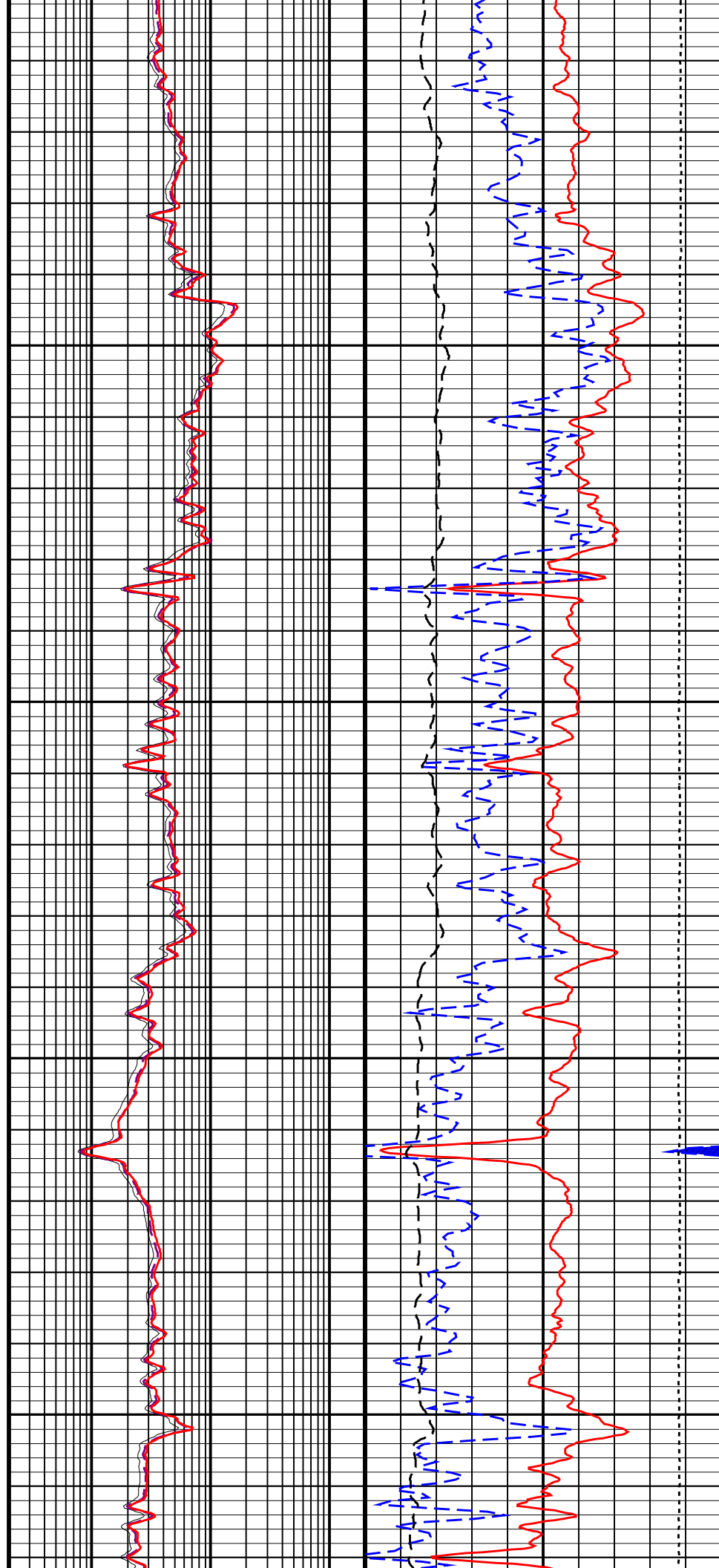
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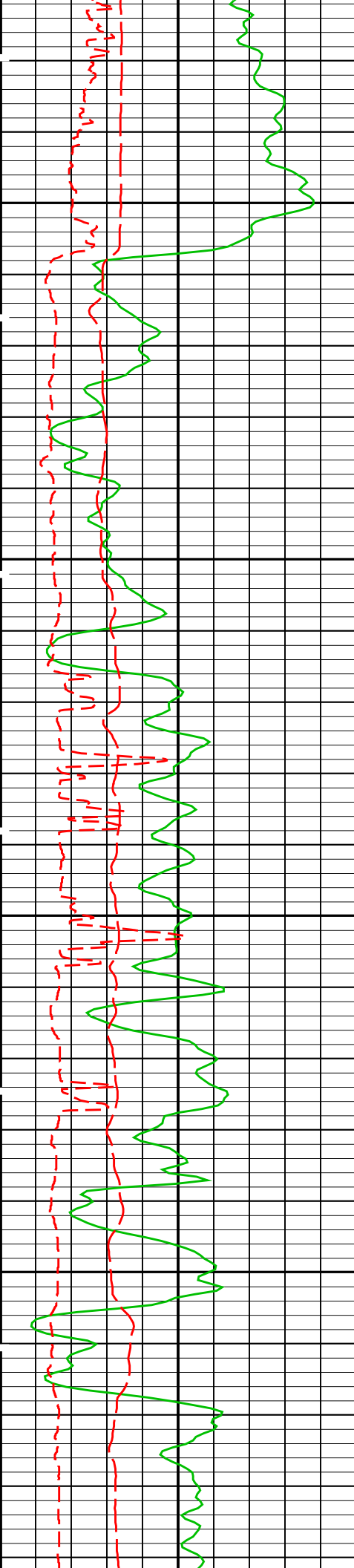




1500

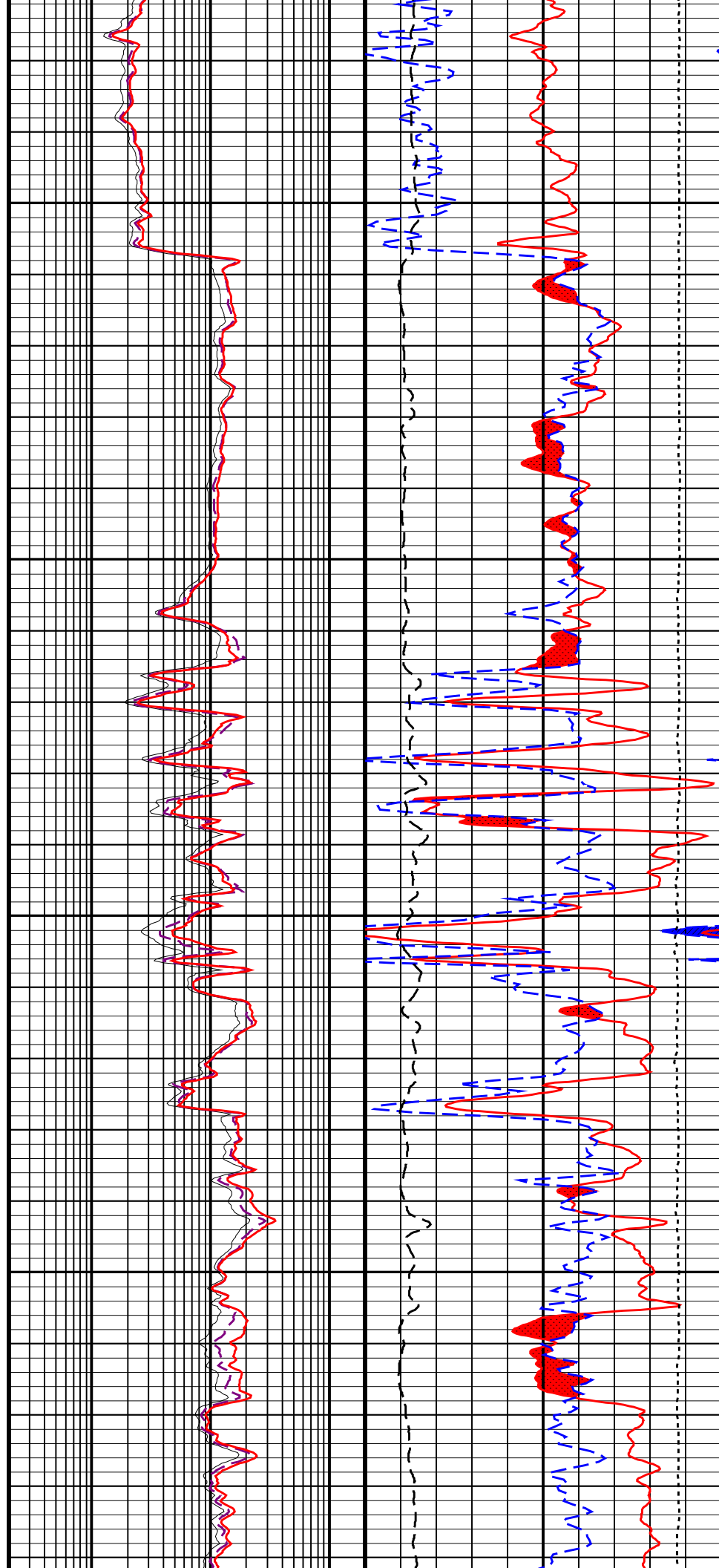
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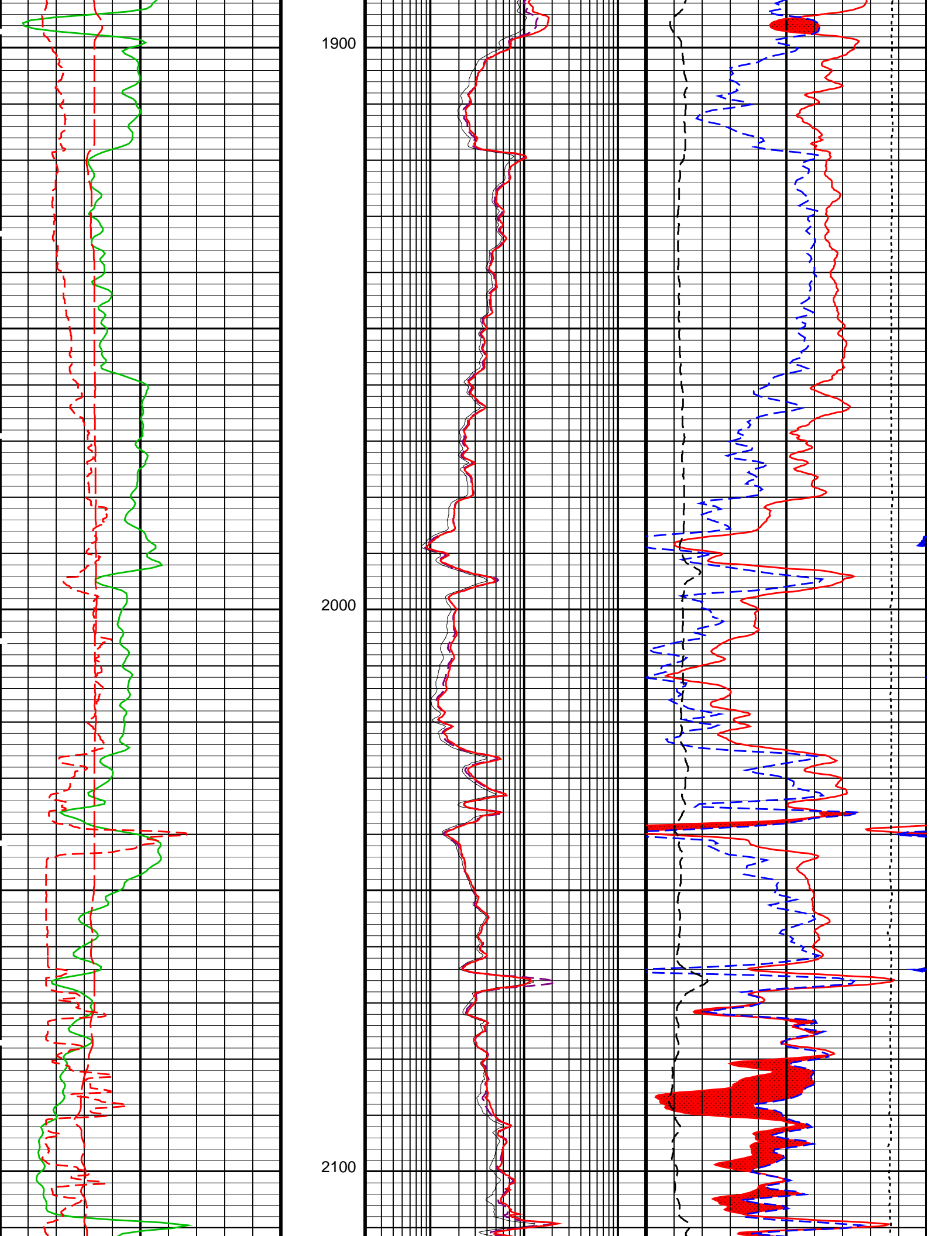


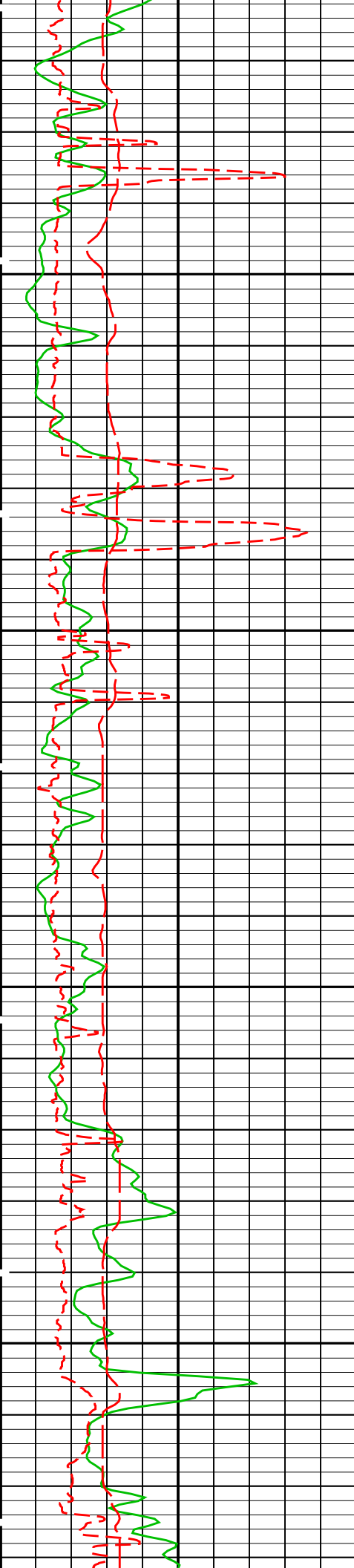


1700

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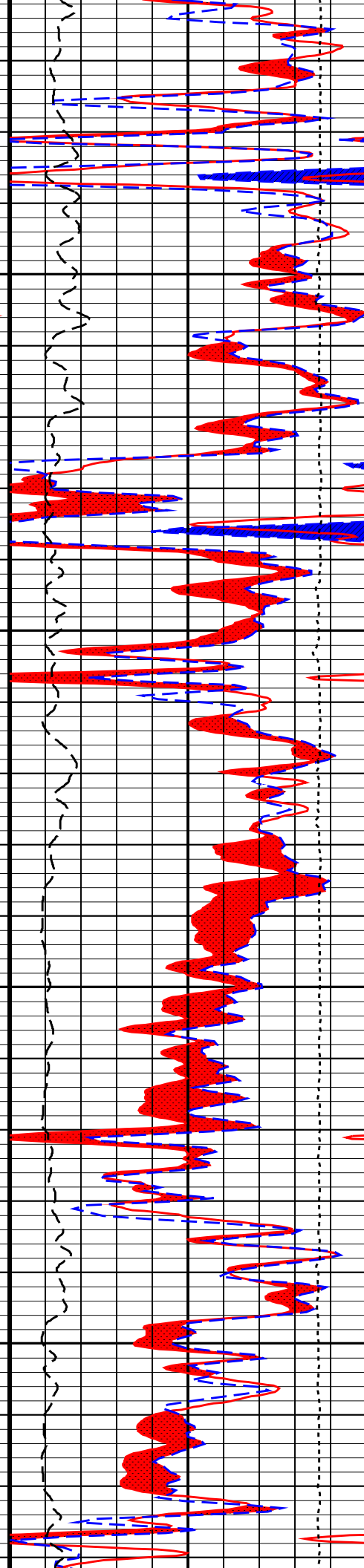
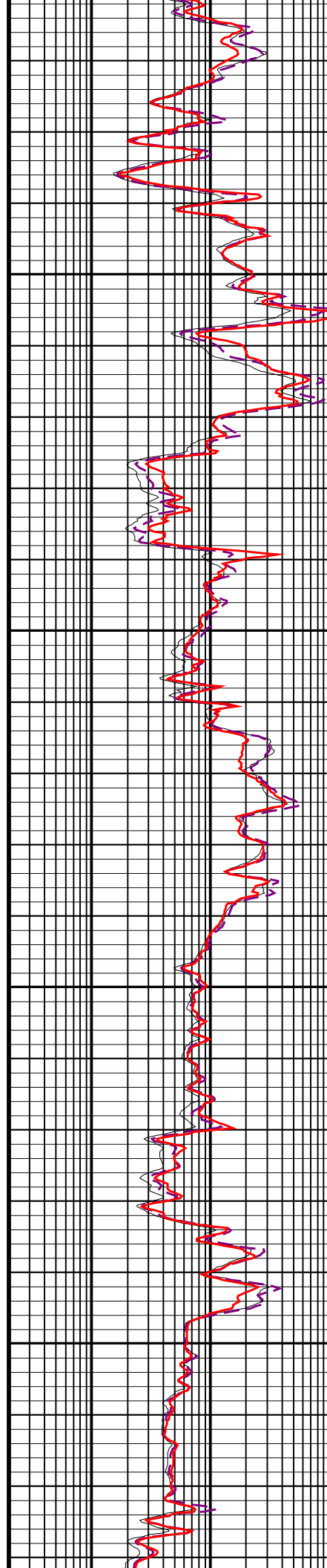


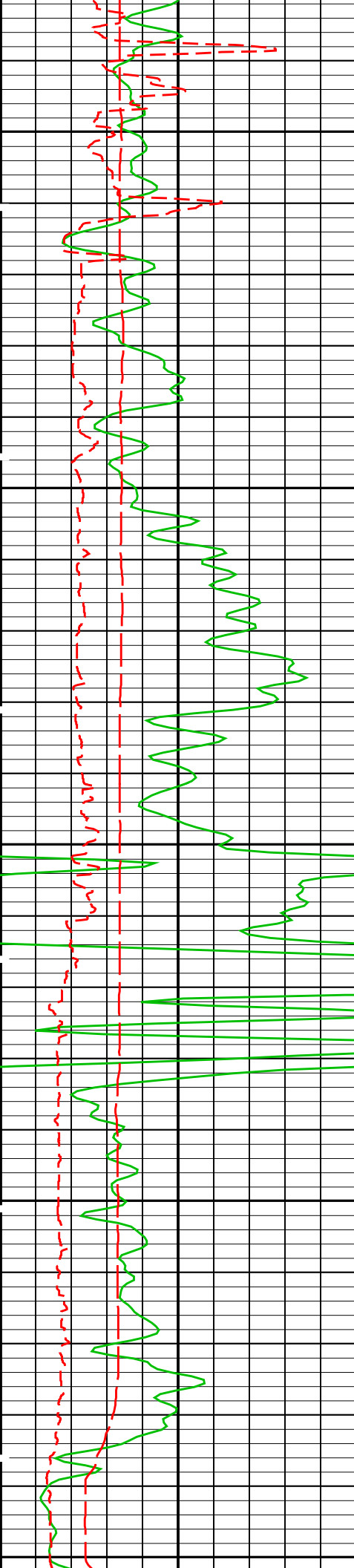




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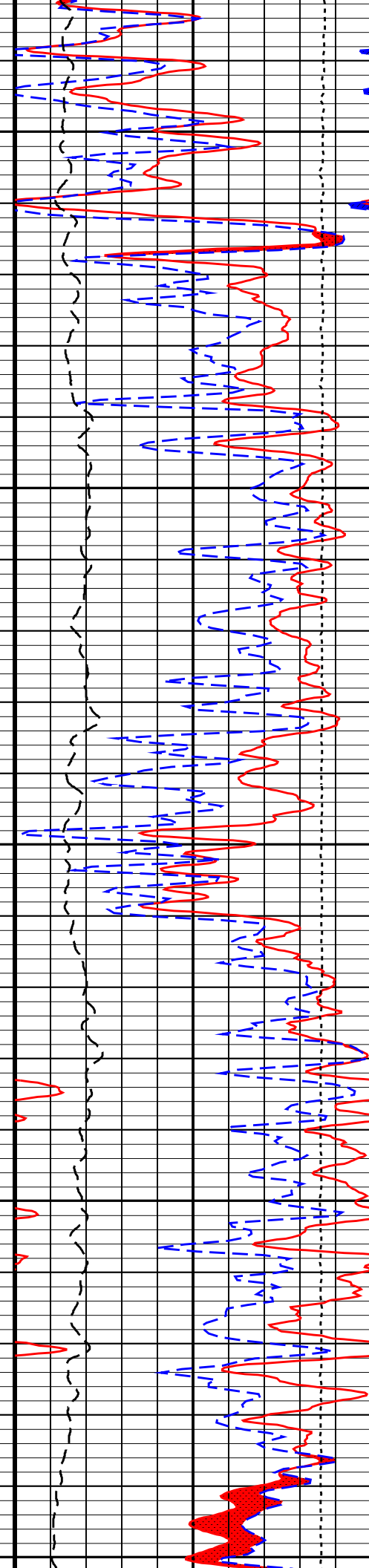
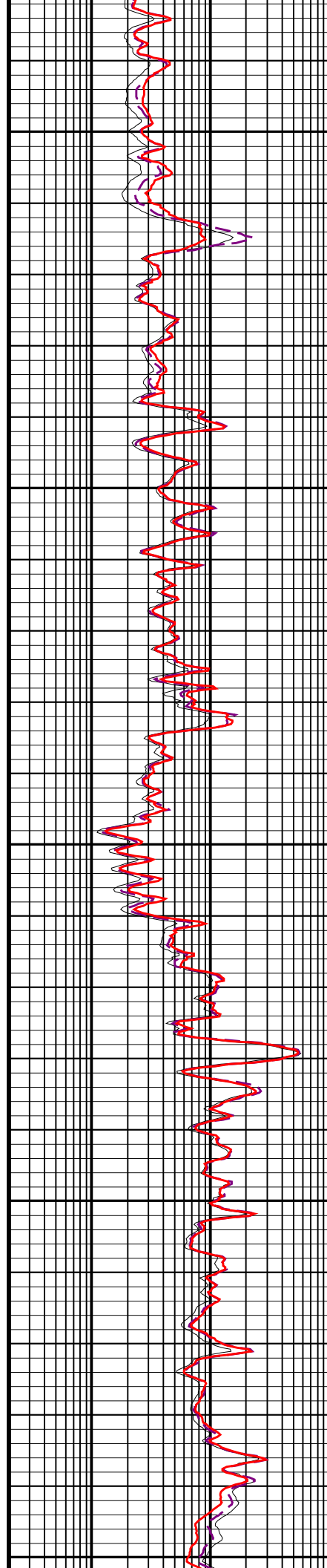
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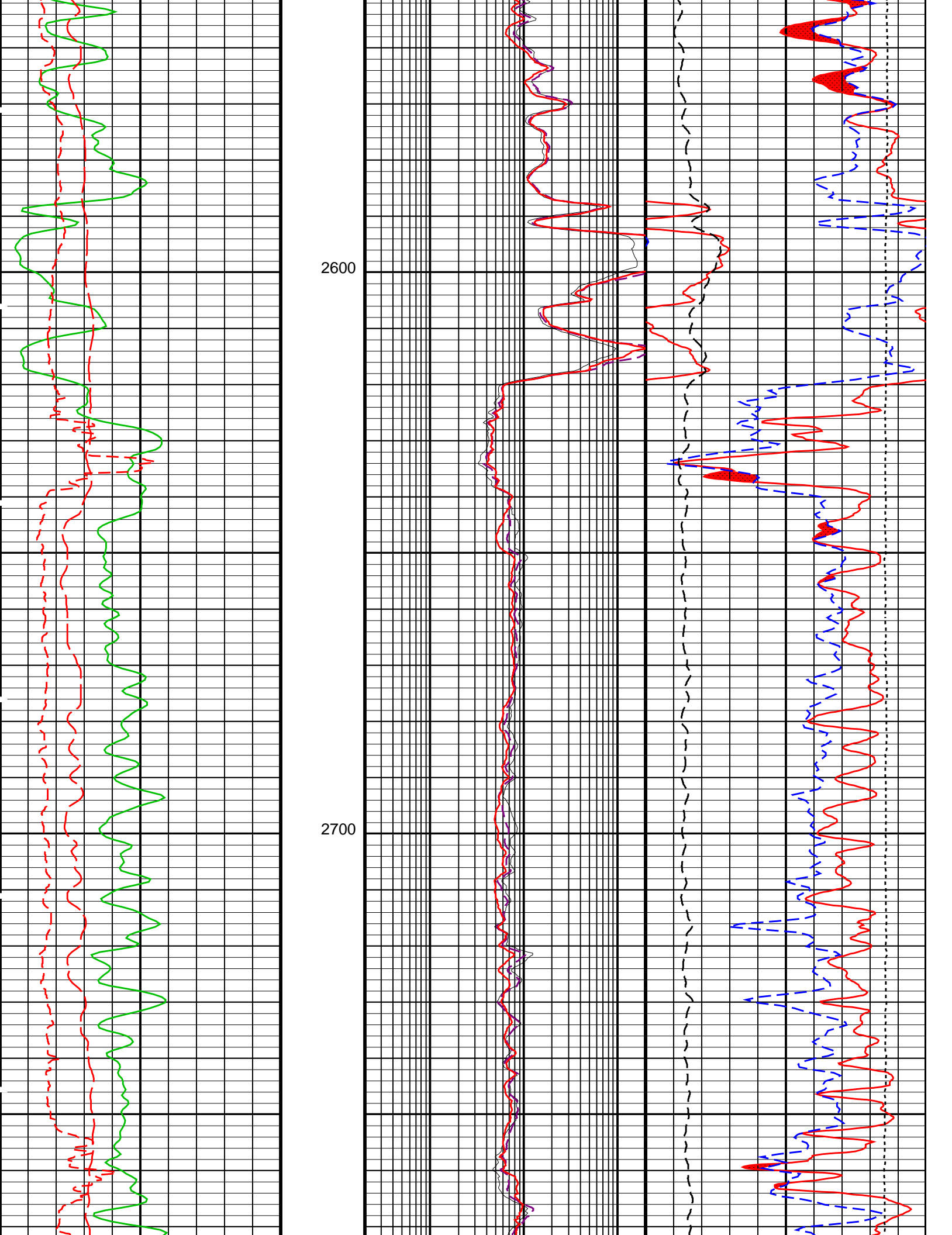


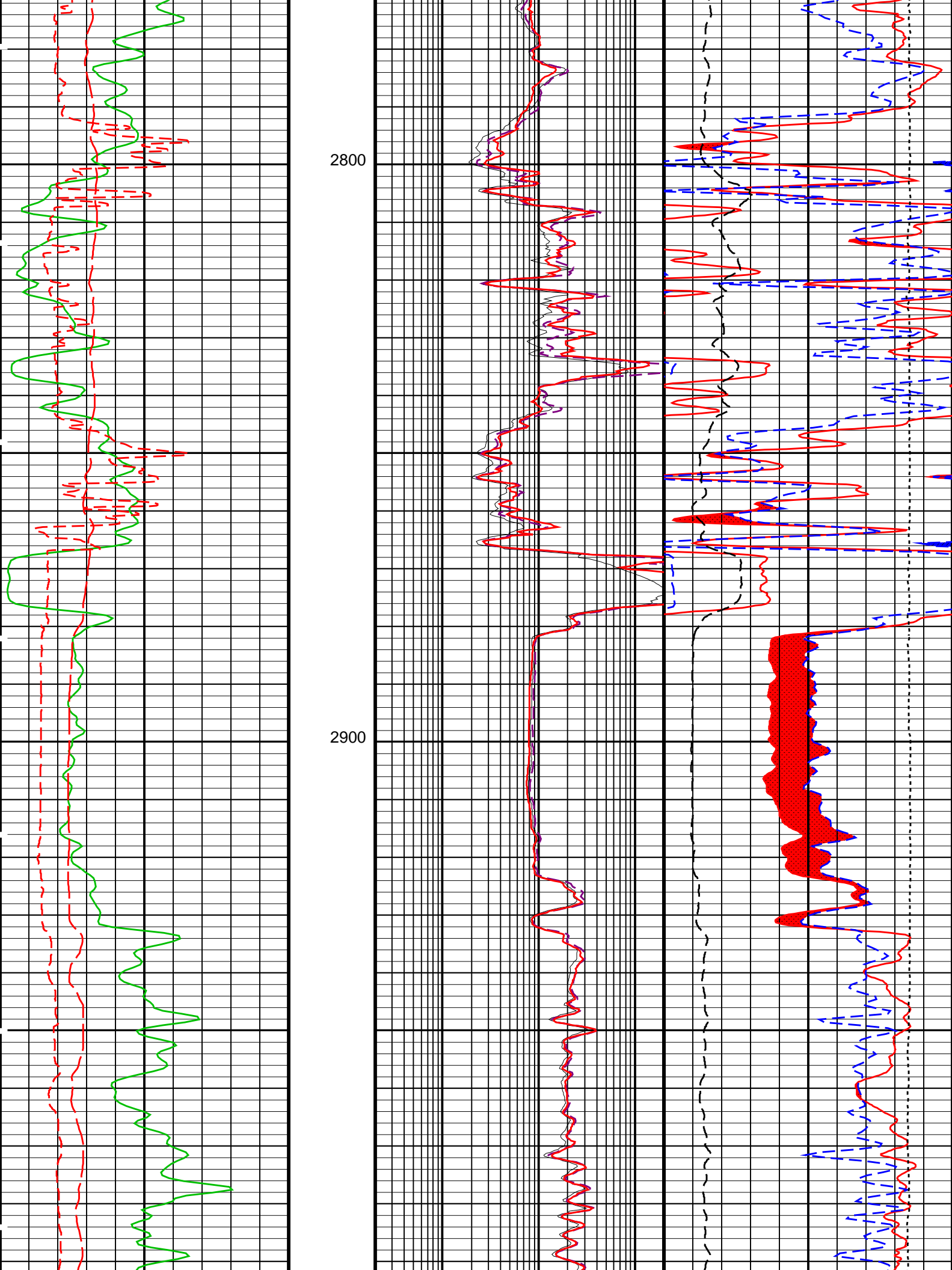


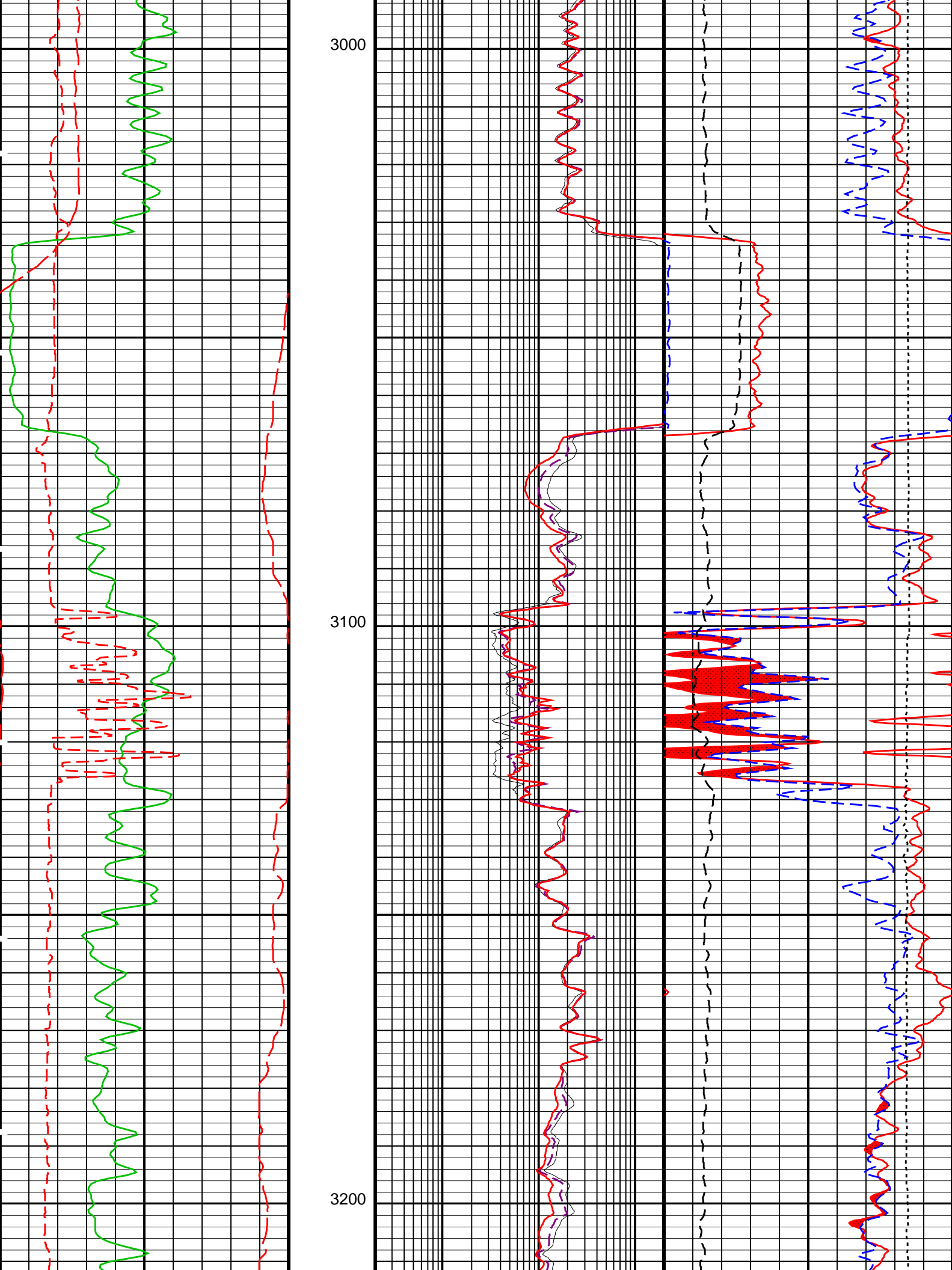
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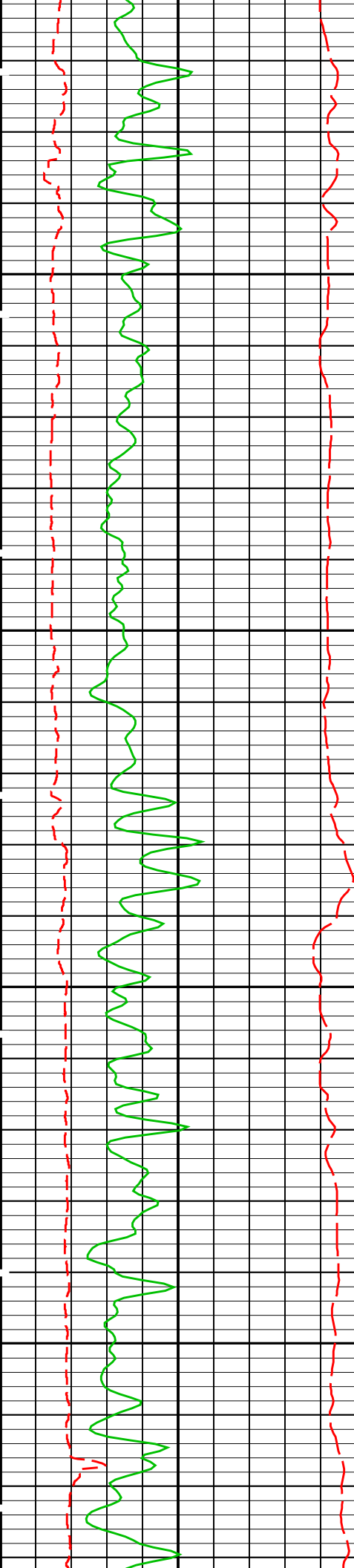
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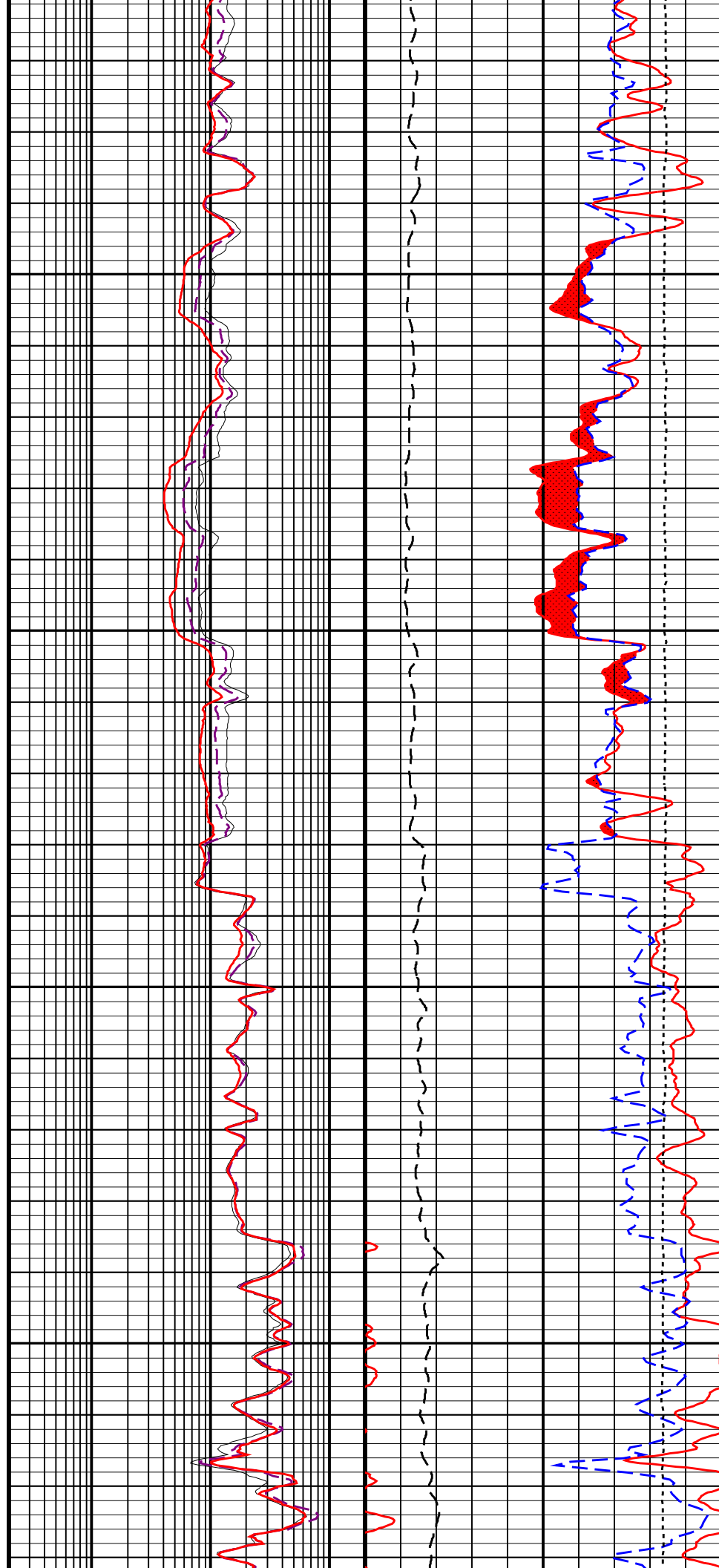


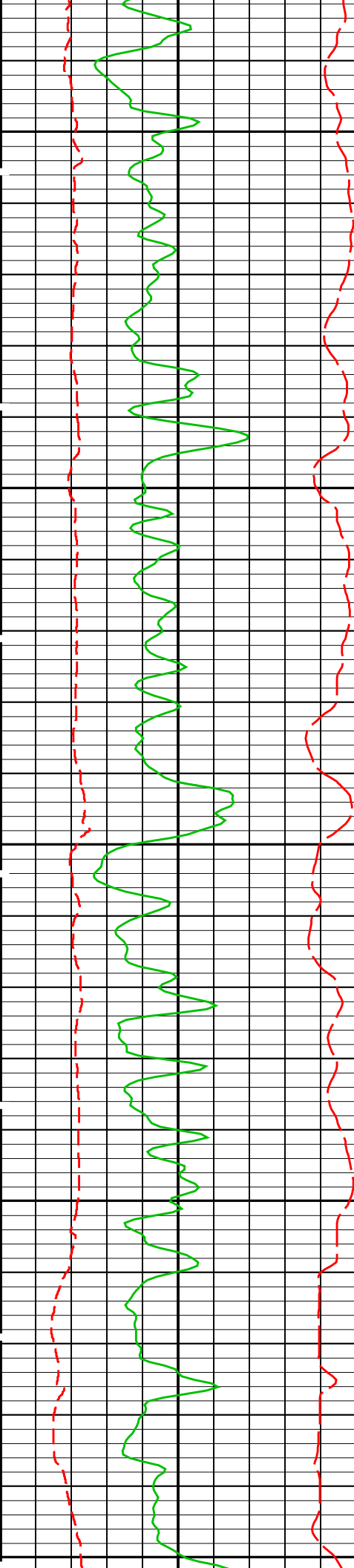




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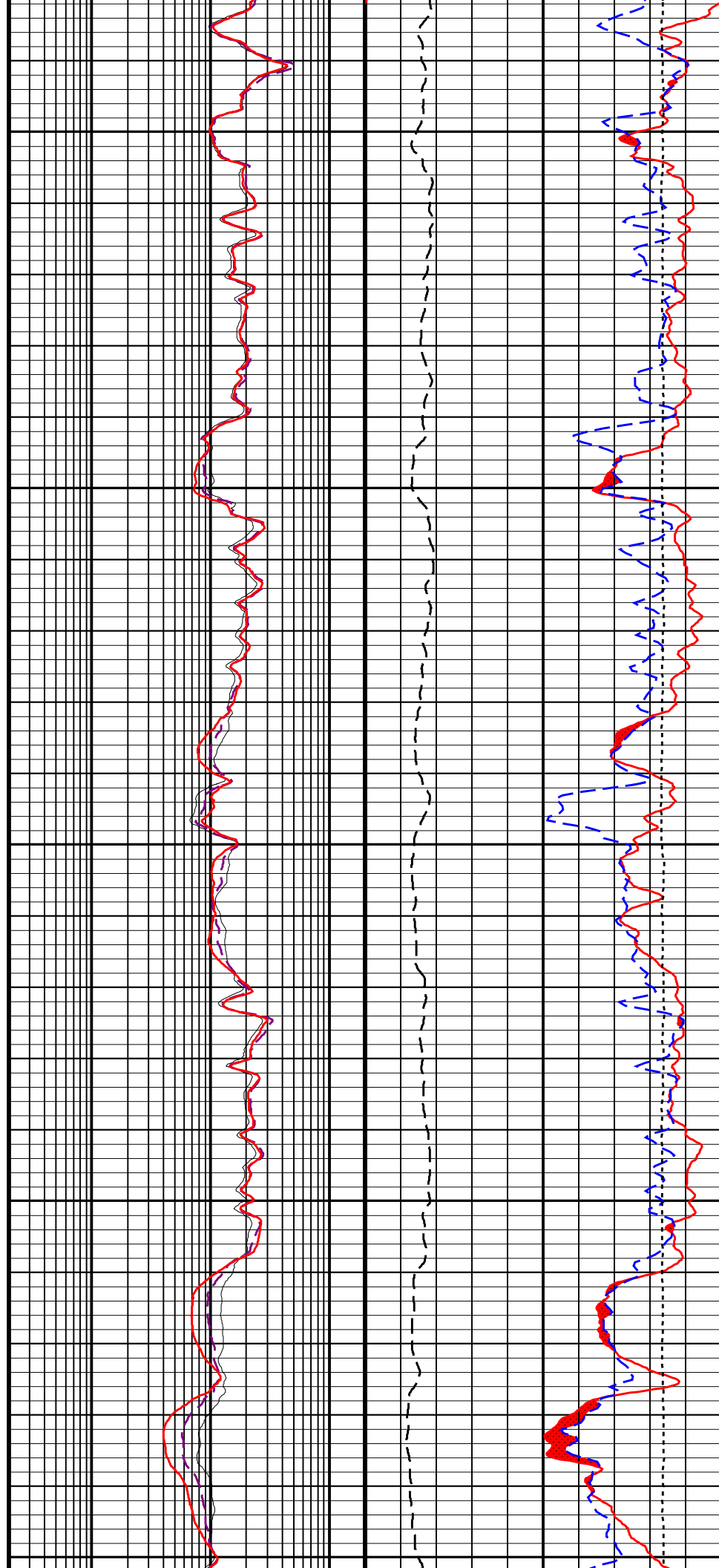
3400





3500

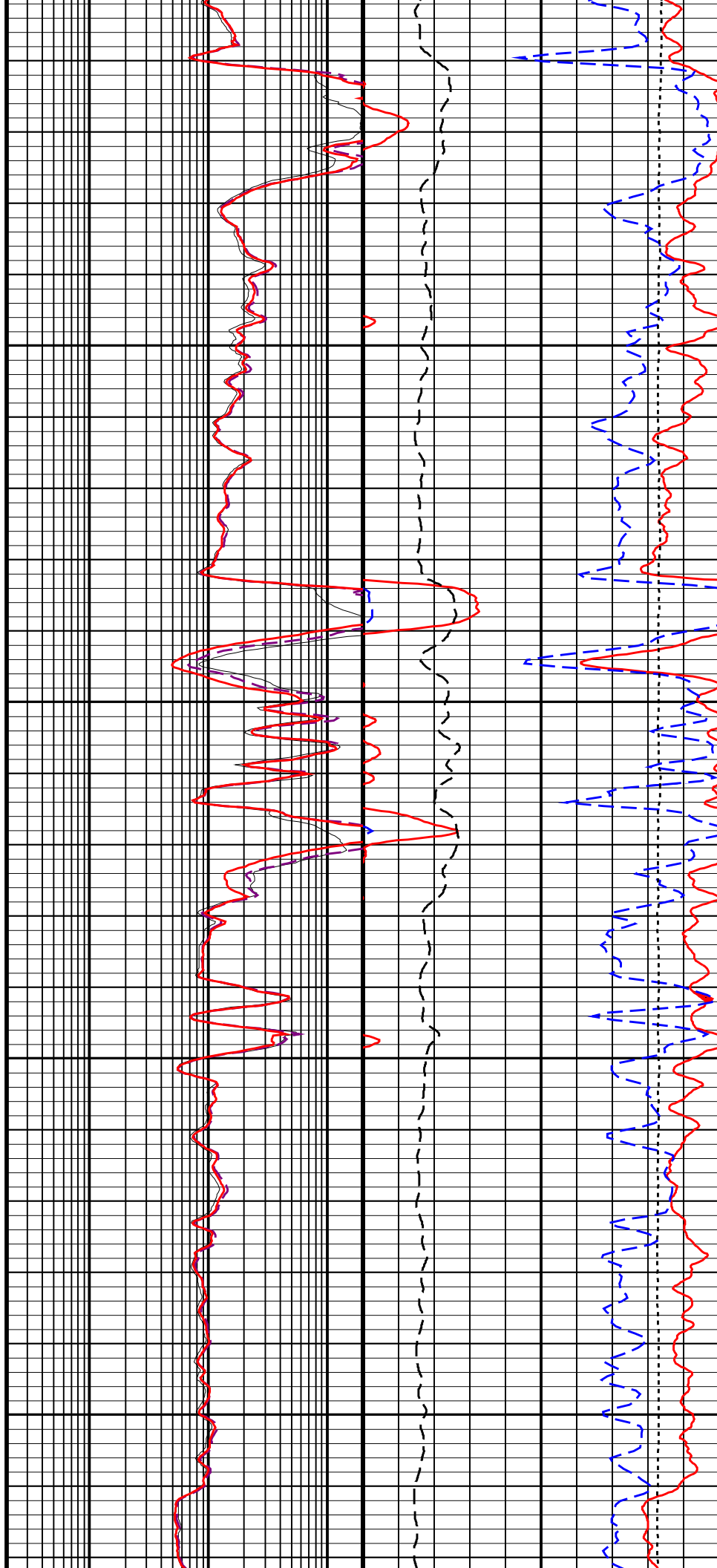
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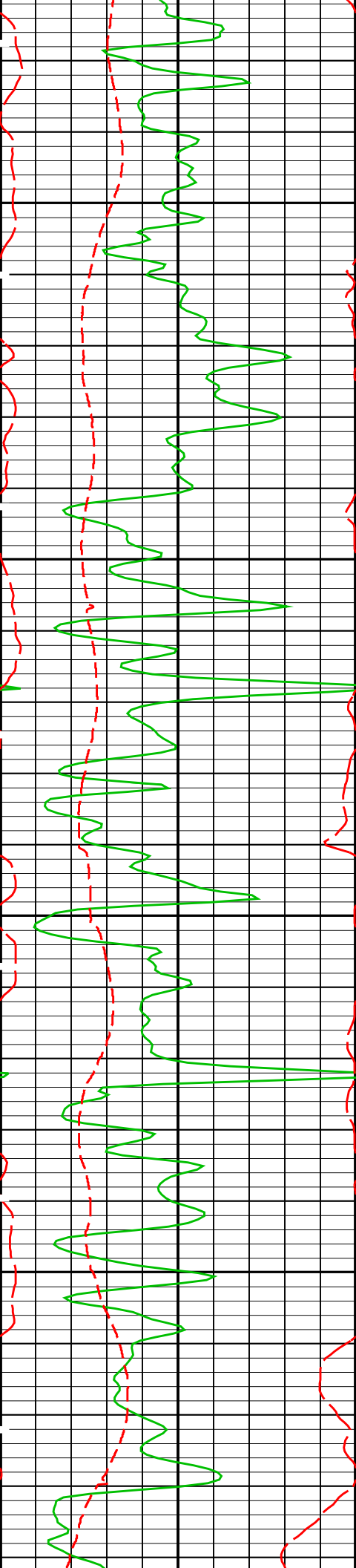




3700

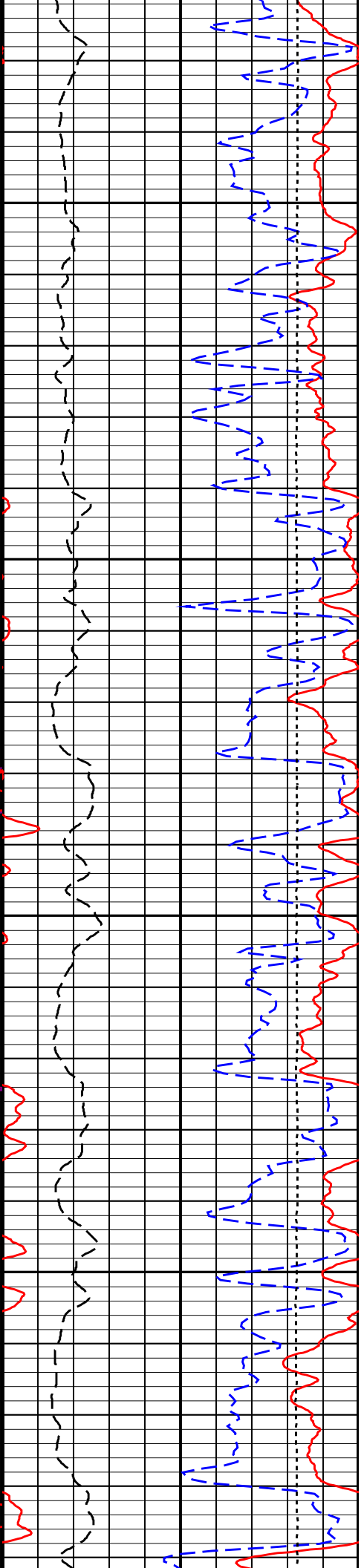
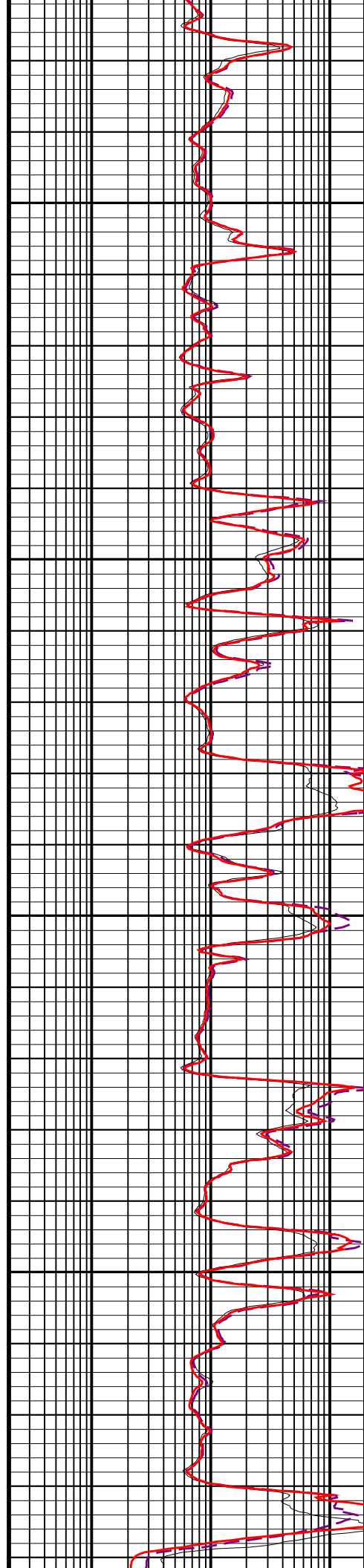
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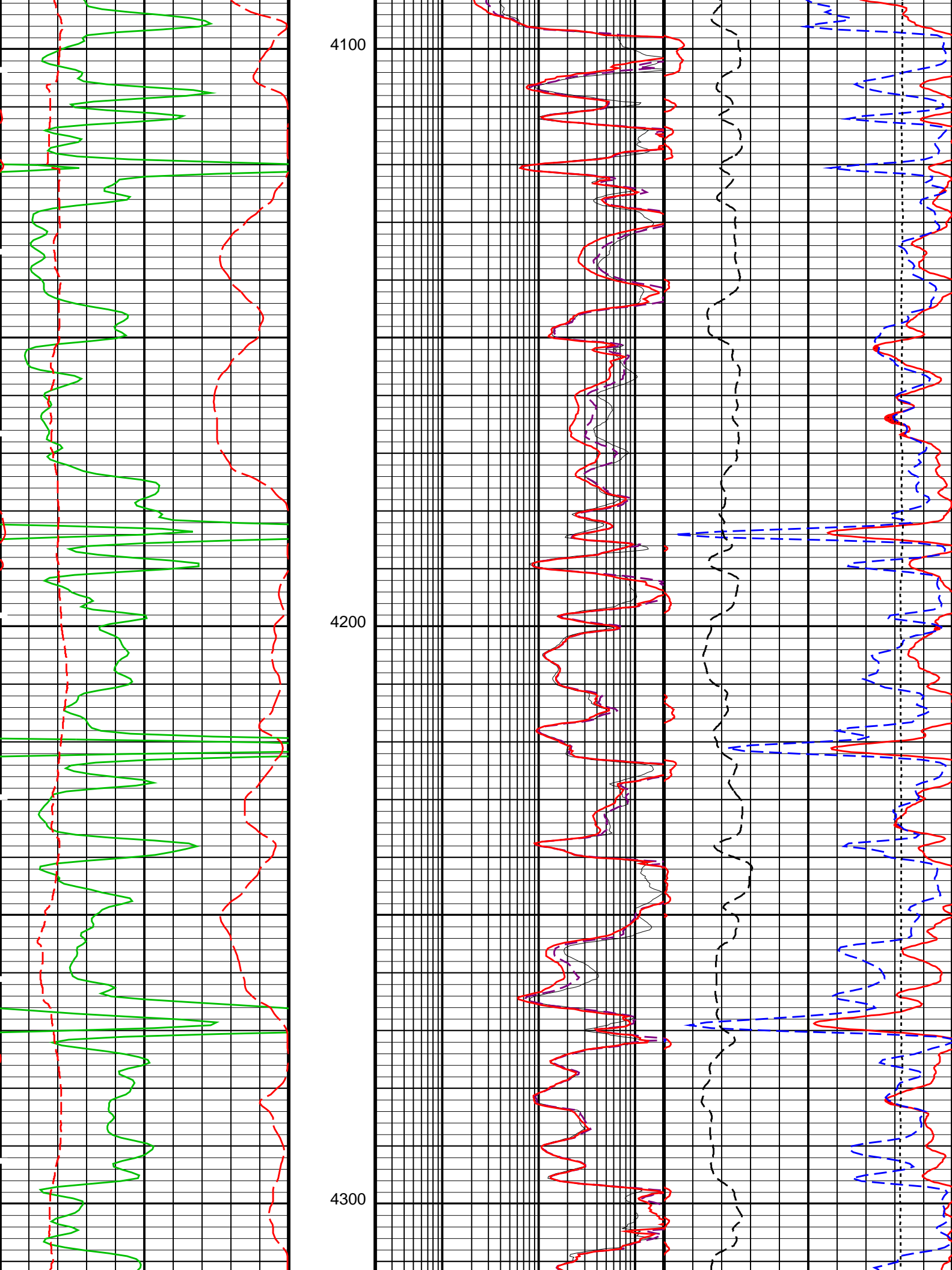


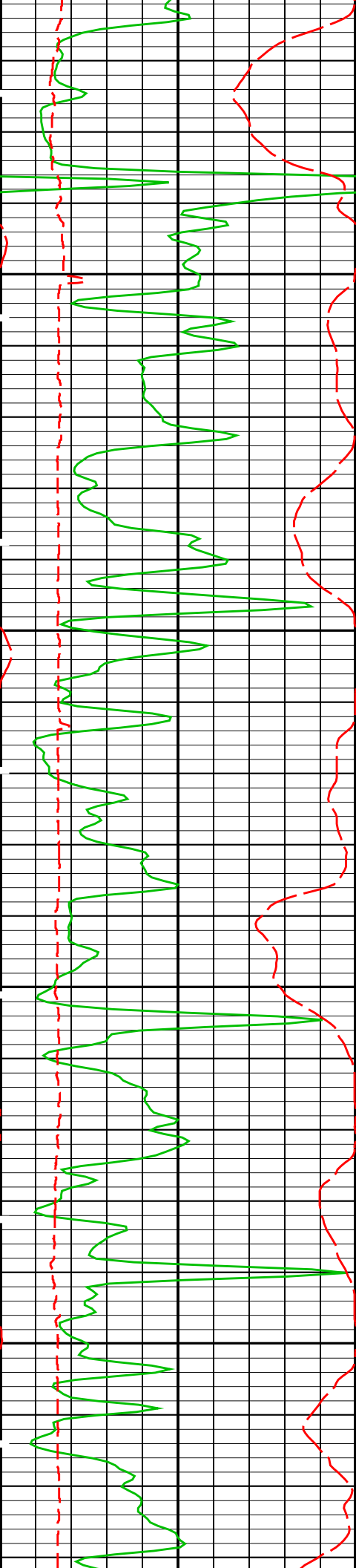


3900

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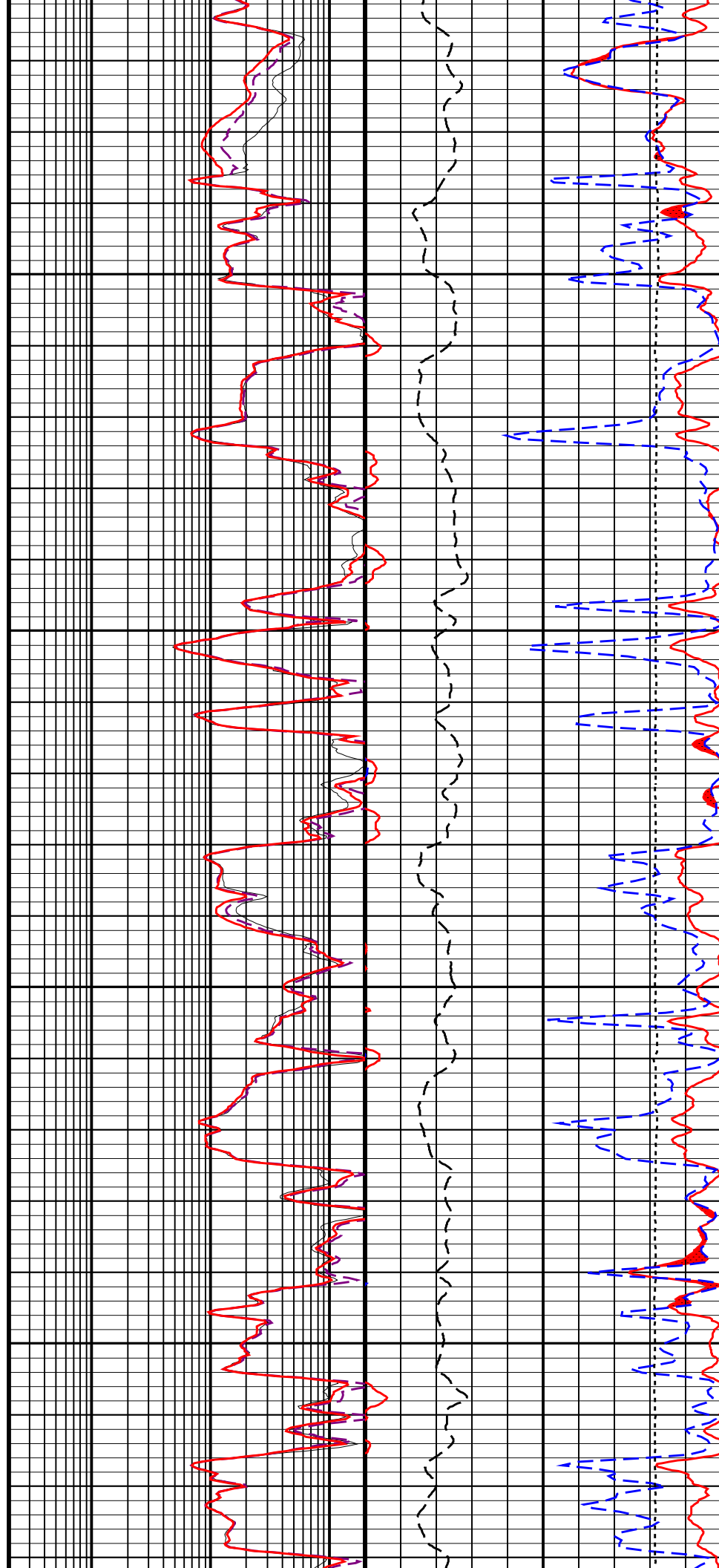


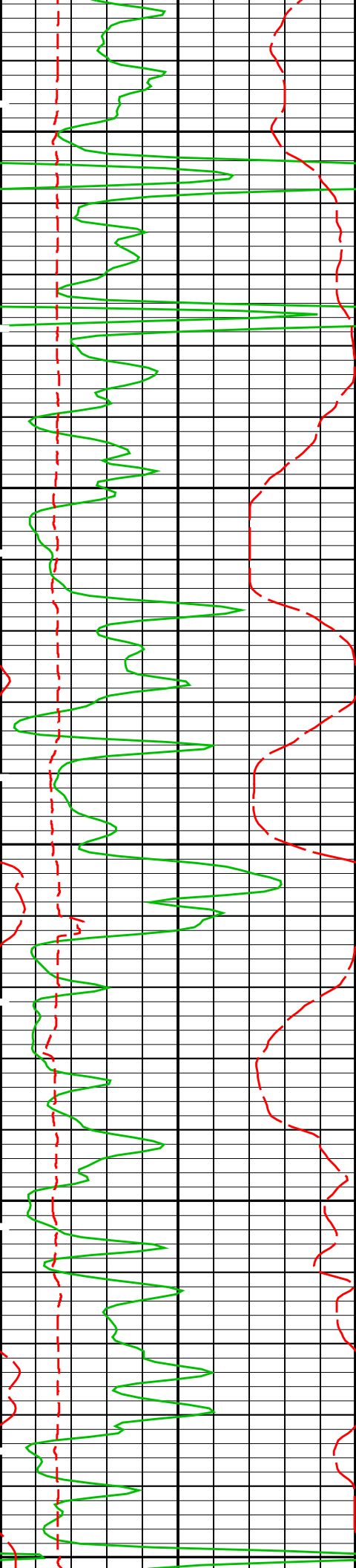




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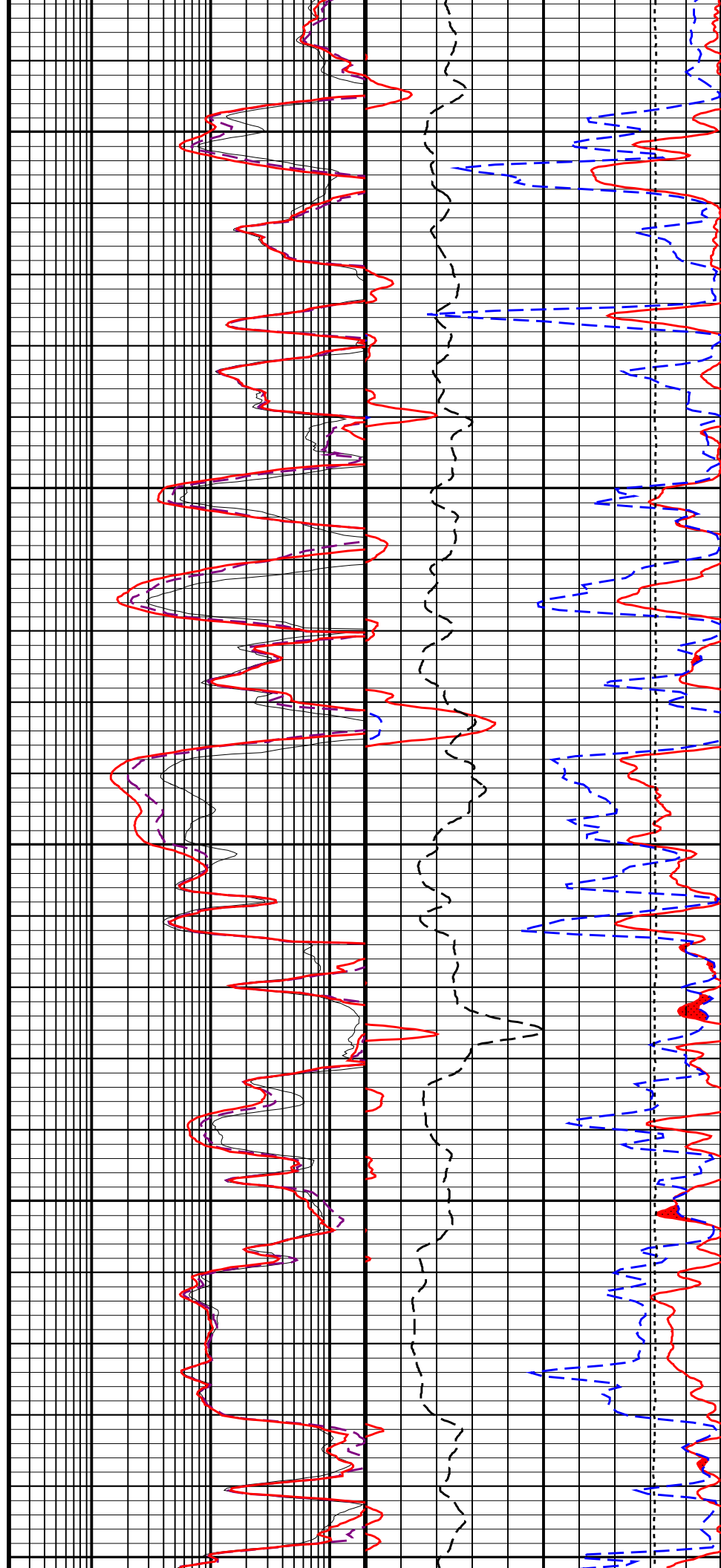
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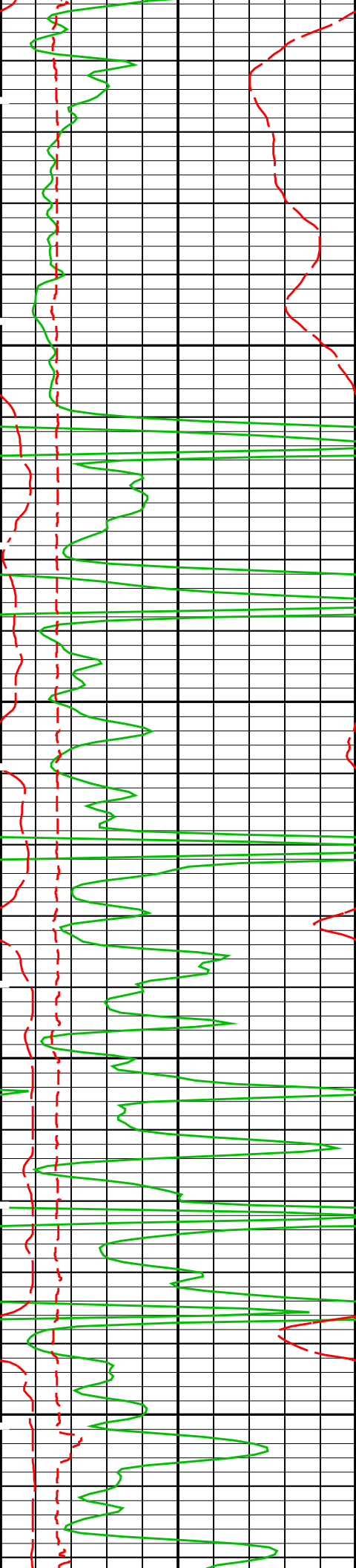




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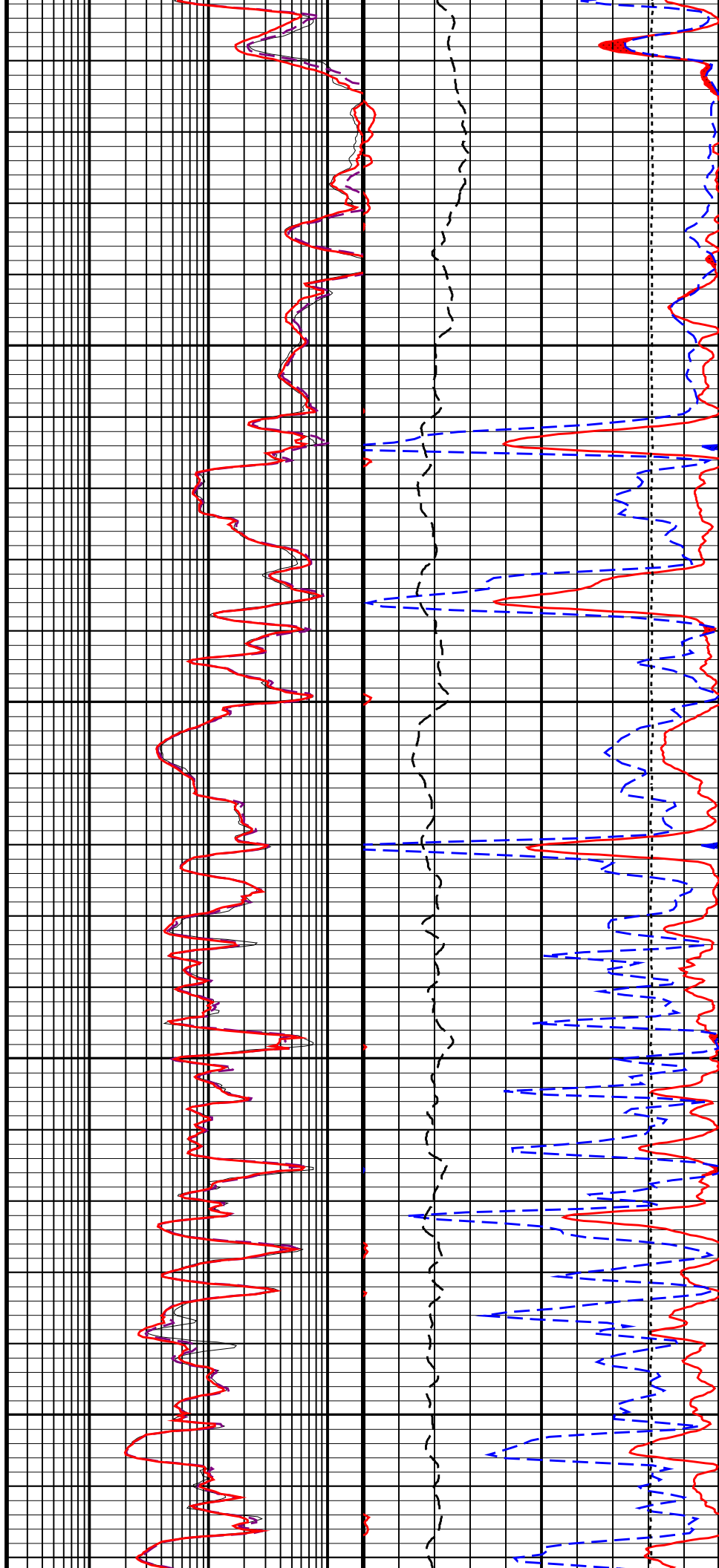
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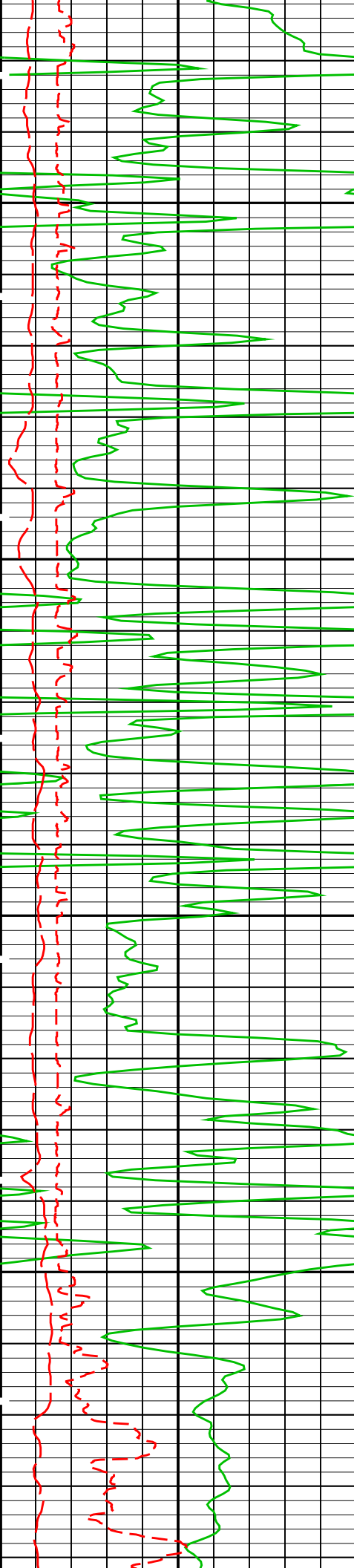




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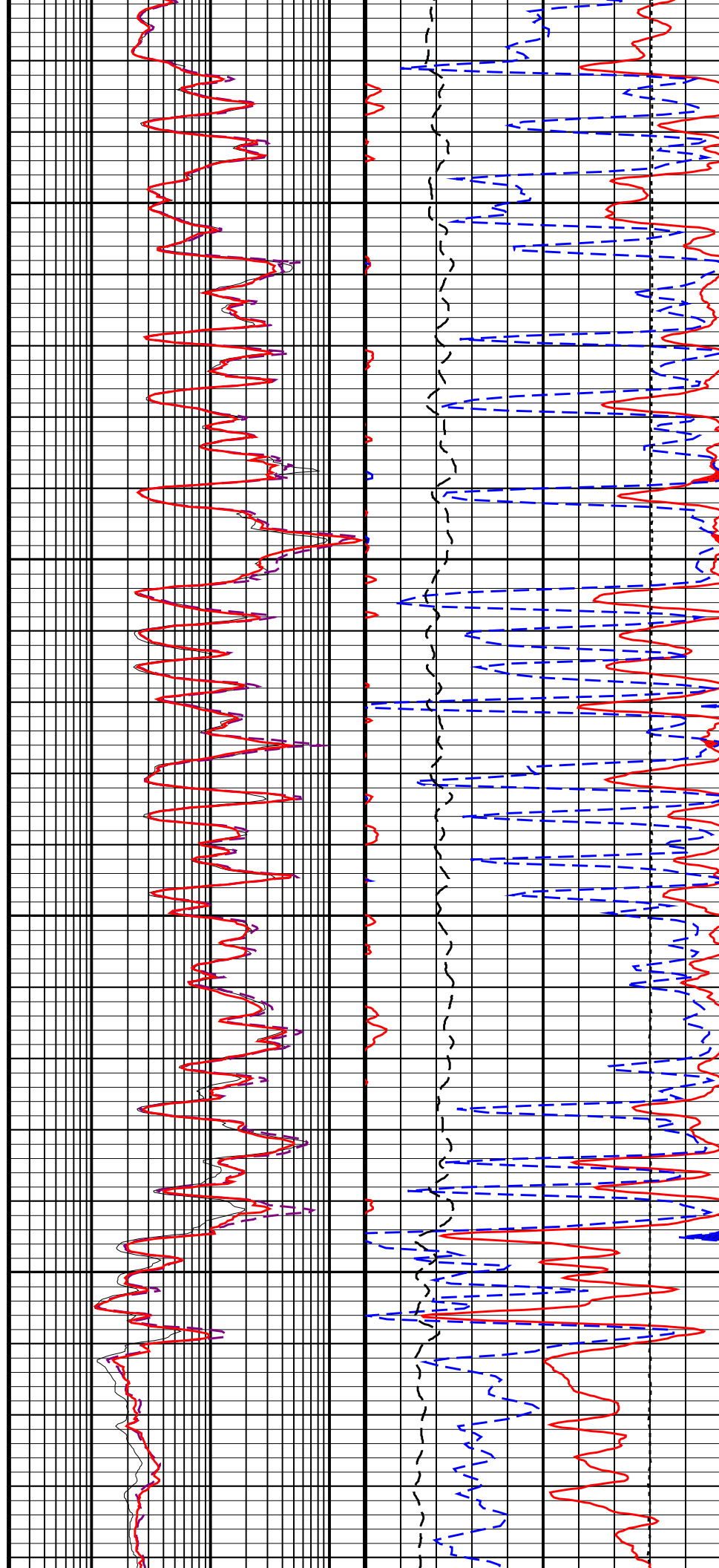
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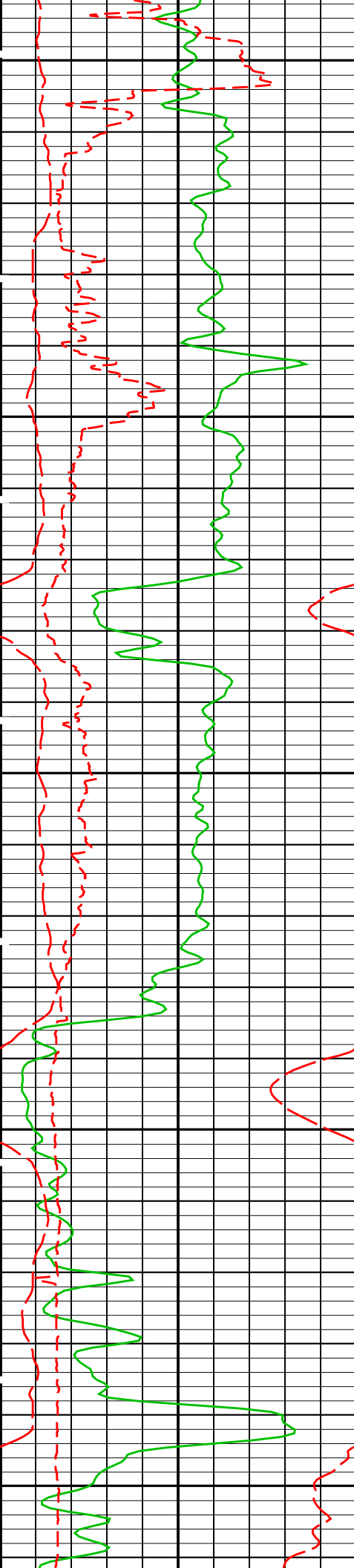




5000

5100

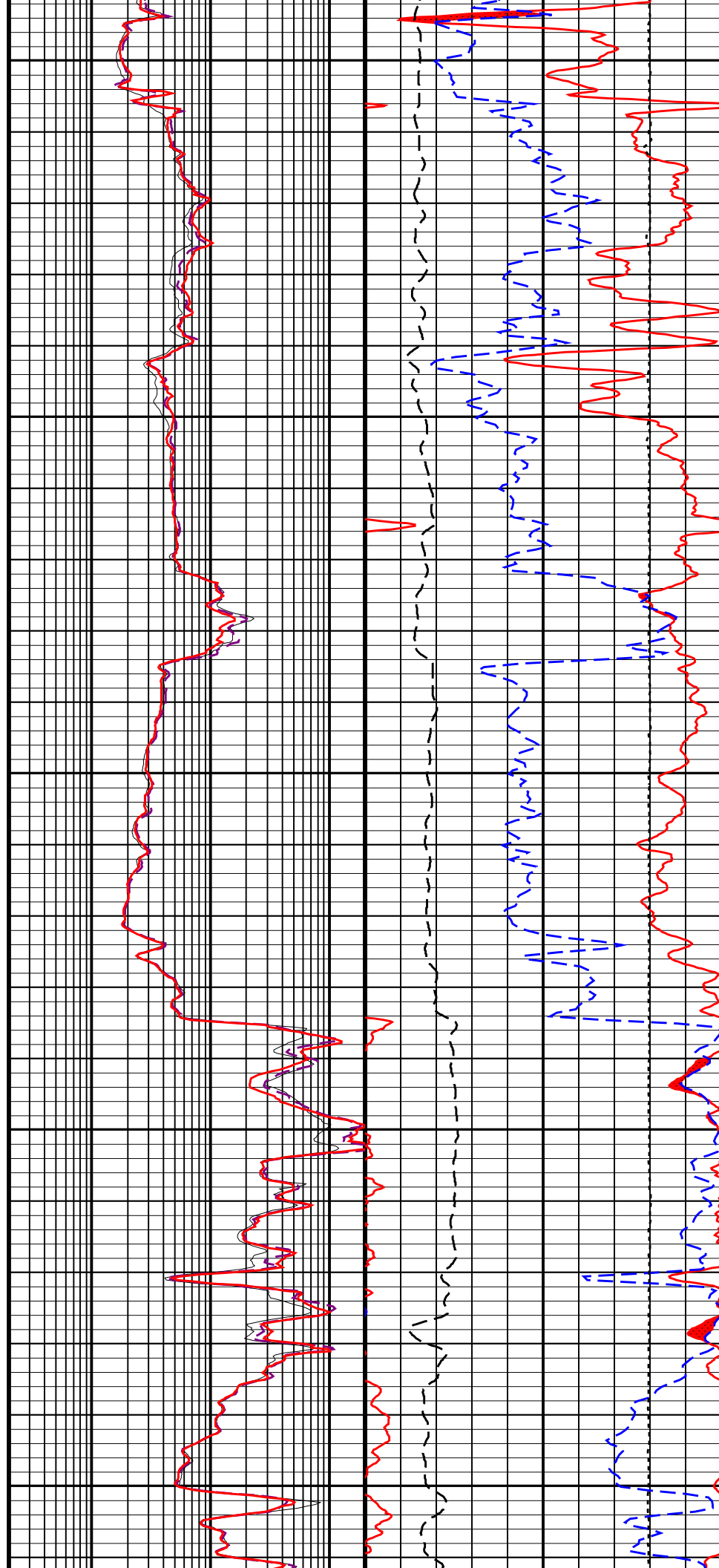


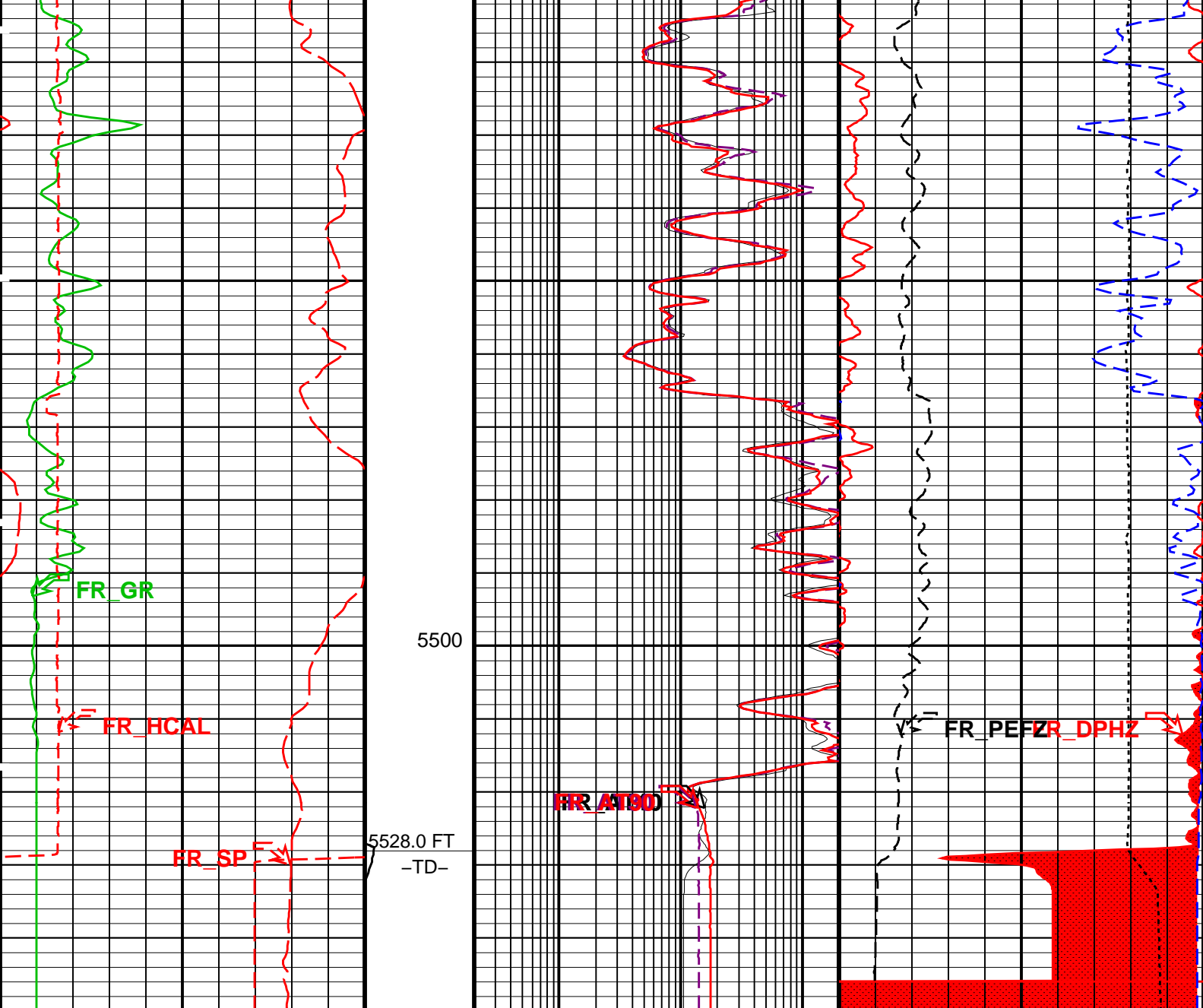


5200

5300

5400





<div>Gamma Ray (GR) (GAPI)</div> <div>0200</div>	<div>Stuck Stretch (STIT) (F) 50</div>	<div>AIT 10 Inch Investigation (AT10) (OHMM)</div> <div>0.2200</div>	<div>Std. Res. Density Porosity (DPHZ) (V/V)</div> <div>0.50</div>
<div>HILT Caliper (HCAL) (IN)</div> <div>616</div>		<div>AIT 30 Inch Investigation (AT30) (OHMM)</div> <div>0.2200</div>	<div>NPOR BACKUP From NPOR_2 to T3</div>
<div>SP (SP) (MV)</div> <div>-16040</div>		<div>AIT 90 Inch Investigation (AT90) (OHMM)</div> <div>0.2200</div>	<div>GAS EFFECT From DPHZ to NPOR_1</div>
			<div>Tension (TENS) (LBF)</div> <div>100000</div> <div>Alpha Processed Neutron Porosity (NPOR) (V/V)</div> <div>0.50</div>
			<div>Std. Res. Formation Pe (PEFZ) (----) 10</div>

PIP SUMMARY

Time Mark Every 60 S

Parameters

Parameters

DLIS 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	NO	
ACEN	Array Induction Tool Centering Flag (in Borehole)	ECCENTERED	
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	1.000	
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	
ASAP	Array Induction Suspend Answer Product Processing	0_NOSUSPENSION	
ASTA	Array Induction Tool Standoff	0.250	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)	212.0	degF
FEXP	Form Factor Exponent	2.000	
FNUM	Form Factor Numerator	1.000	
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0.000	deg
GGRD	Geothermal Gradient	0.010	degF/ft
GRSE	Generalized Mud Resistivity Selection	AMF_AITM	
GTSE	Generalized Temperature Selection	HSTS_HTEM	
MATR	Rock Matrix for Neutron Porosity Corrections	LIME	
SHT	Surface Hole Temperature	68.000	degF
SPDR	SP Drift	0.000	mV/ft
SPNV	SP Next Value	0.000	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)	212.0	degF
BSCO	Borehole Salinity Correction Option	NO	
CCCO	Casing & Cement Thickness Correction Option	NO	
DHC	Density Hole Correction	BS	
FD	Fluid Density	1.000	g/cm3
FEXP	Form Factor Exponent	2.000	
FNUM	Form Factor Numerator	1.000	
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	0.000	deg
GGRD	Geothermal Gradient	0.010	degF/ft
GRSE	Generalized Mud Resistivity Selection	AMF_AITM	
GTSE	Generalized Temperature Selection	HSTS_HTEM	
HSCO	Hole Size Correction Option	YES	
MATR	Rock Matrix for Neutron Porosity Corrections	LIME	
MCCO	Mud Cake Correction Option	NO	
MCOR	Mud Correction	NATU	
MDEN	Matrix Density	2.710	g/cm3
MWCO	Mud Weight Correction Option	NO	
NAAC	HRDD APS Activation Correction	OFF	
NMT	HILT Nuclear Mud Type	NOBARITE	
NPRM	HRDD Processing Mode	HIRES	
NSAR	HRDD Depth Sampling Rate	1.000	in
PTCO	Pressure/Temperature Correction Option	NO	
SDAT	Standoff Data Source	SOCN	
SHT	Surface Hole Temperature	68.000	degF
SOCN	Standoff Distance	0.125	in
SOCO	Standoff Correction Option	YES	
FEQL: Formation Evaluation Quick Look			
FEXP	Form Factor Exponent	2.000	
FNUM	Form Factor Numerator	1.000	
HOLEV: Integrated Hole/Cement Volume			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	212.0	degF
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0.000	deg
GGRD	Geothermal Gradient	0.010	degF/ft
GRSE	Generalized Mud Resistivity Selection	AMF_AITM	
GTSE	Generalized Temperature Selection	HSTS_HTEM	
MATR	Rock Matrix for Neutron Porosity Corrections	LIME	
SHT	Surface Hole Temperature	68.000	degF
PERT: Preliminary Evaluation – Real Time			

PERT: Preliminary Evaluation – Real Time			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	212.0	degF
FEXP	Form Factor Exponent	2.000	
FNUM	Form Factor Numerator	1.000	
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0.000	deg
GGRD	Geothermal Gradient	0.010	degF/ft
GRSE	Generalized Mud Resistivity Selection	AMF_AITM	
GTSE	Generalized Temperature Selection	HSTS_HTEM	
MATR	Rock Matrix for Neutron Porosity Corrections	LIME	
SHT	Surface Hole Temperature	68.000	degF
STI: Stuck Tool Indicator			
STKT	STI Stuck Threshold	2.500	ft
TDD	Total Depth – Driller	5530.0	ft
TDL	Total Depth – Logger	5528.0	ft
System and Miscellaneous			
ACSED	Array Induction Casing Shoe Estimated Depth		
BS	Bit Size	7.875	in
BSAL	Borehole Salinity		
CSIZ	Current Casing Size	8.625	in
CWEI	Casing Weight	24.000	lbm/ft
DFD	Drilling Fluid Density	9.200	lbm/gal
FLEV	Fluid Level		
FSAL	Formation Salinity		
MST	Mud Sample Temperature	106.2	degF
RMFS	Resistivity of Mud Filtrate Sample	0.587	ohm.m
TD	Total Depth	5528.0	ft

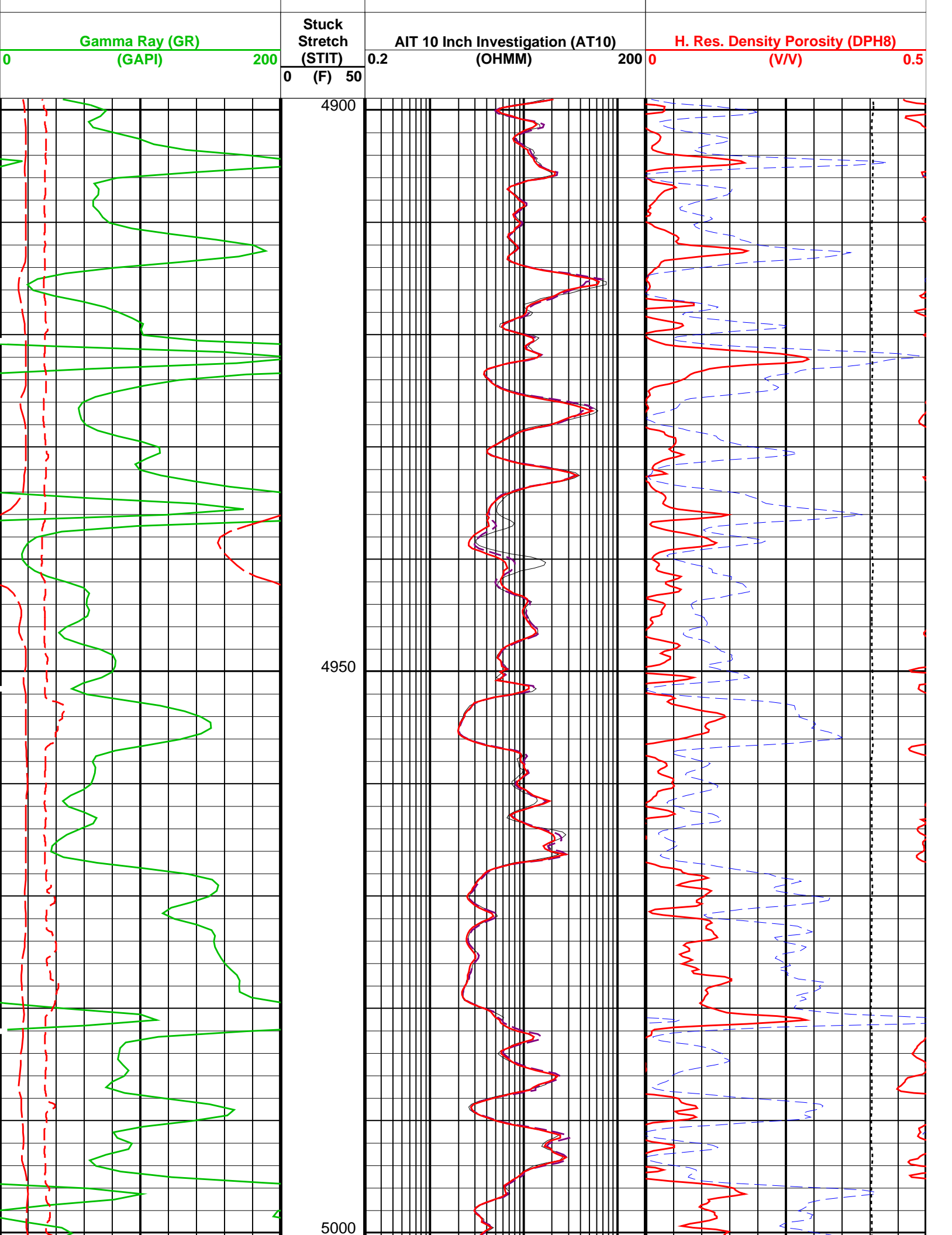
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AITM	18C0–147	HILTD		18C0–147		
DTCH	18C0–147					
Input DLIS Files						
DEFAULT	AIT_TLD_MCFL_CNL_007LUP	FN:6	PRODUCER	02–Aug–2011 16:19	5550.0 FT	411.0 FT
DEFAULT	AIT_TLD_MCFL_CNL_005PUP	FN:4	PRODUCER	02–Aug–2011 16:10	5545.5 FT	4904.0 FT

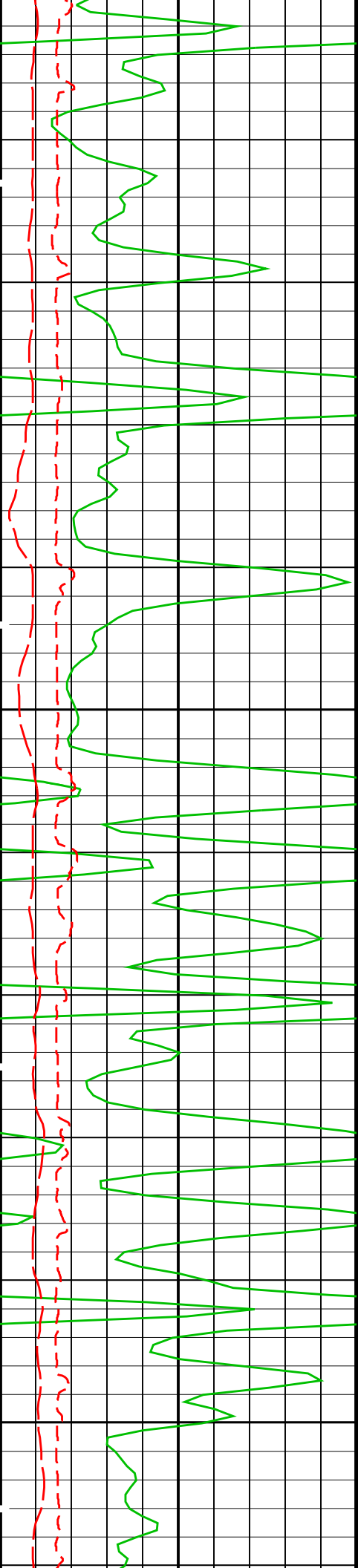


High Resolution 10"=100'

MAXIS Field Log

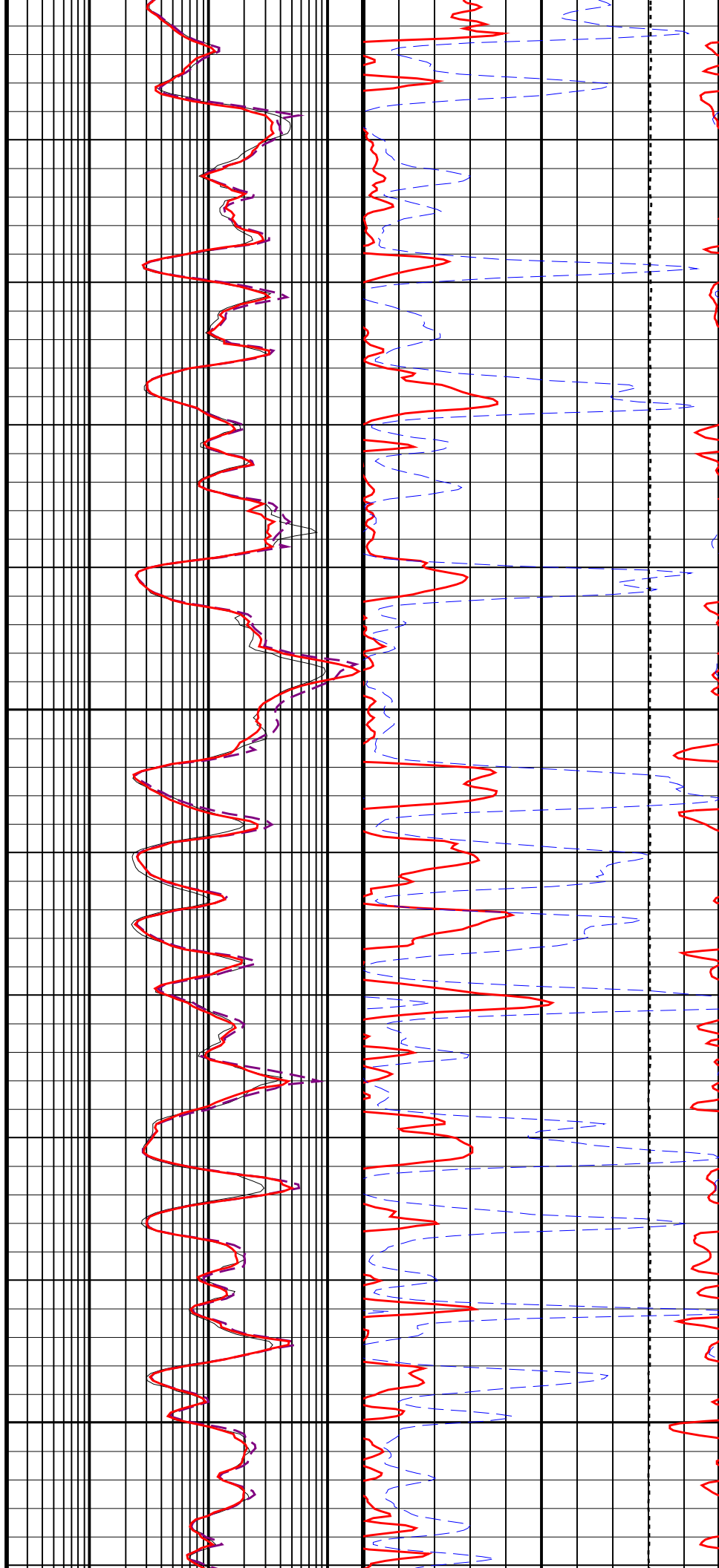
Company: Vecta Oil & Gas Ltd				Well: Torreys 31–4		
Input DLIS Files						
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DEFAULT	AIT_TLD_MCFL_CNL_007LUP	FN:6	PRODUCER	02–Aug–2011 16:19	5550.0 FT	0.0 FT
OP System Version: 18C0–147						
AITM	18C0–147	HILTD		18C0–147		
DTCH	18C0–147					
PIP SUMMARY						
<div>Time Mark Every 60 S</div>						
SP (SP)		AIT 90 Inch Investigation (AT90)		Tension (TENS)		
–160	(MV) 40	0.2	(OHMM) 200	10000	(LBF)	0
HILT Caliper (HCAL)		AIT 30 Inch Investigation (AT30)		HiRes NPOR (HNPO)		
6	(IN) 16	0.2	(OHMM) 200	0	(V/V)	0.5

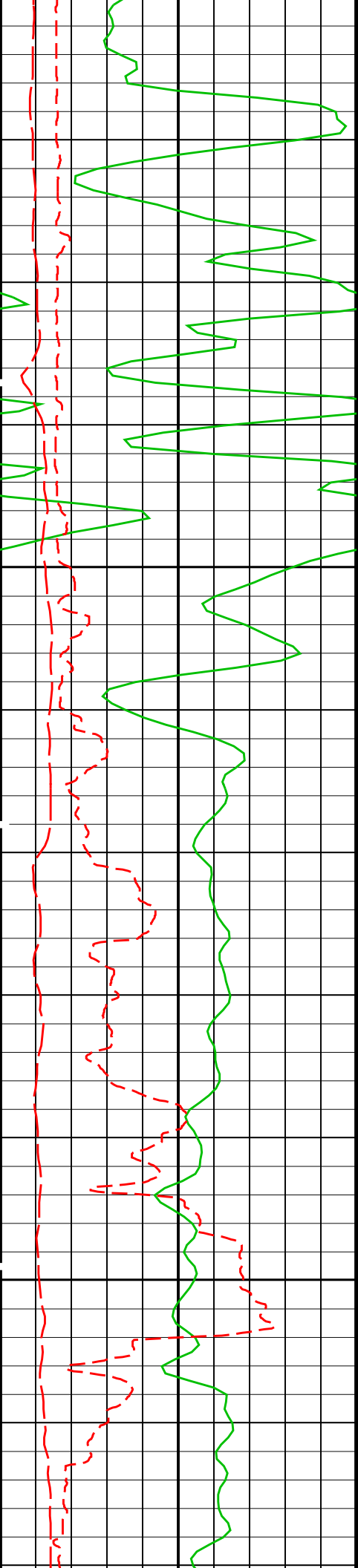




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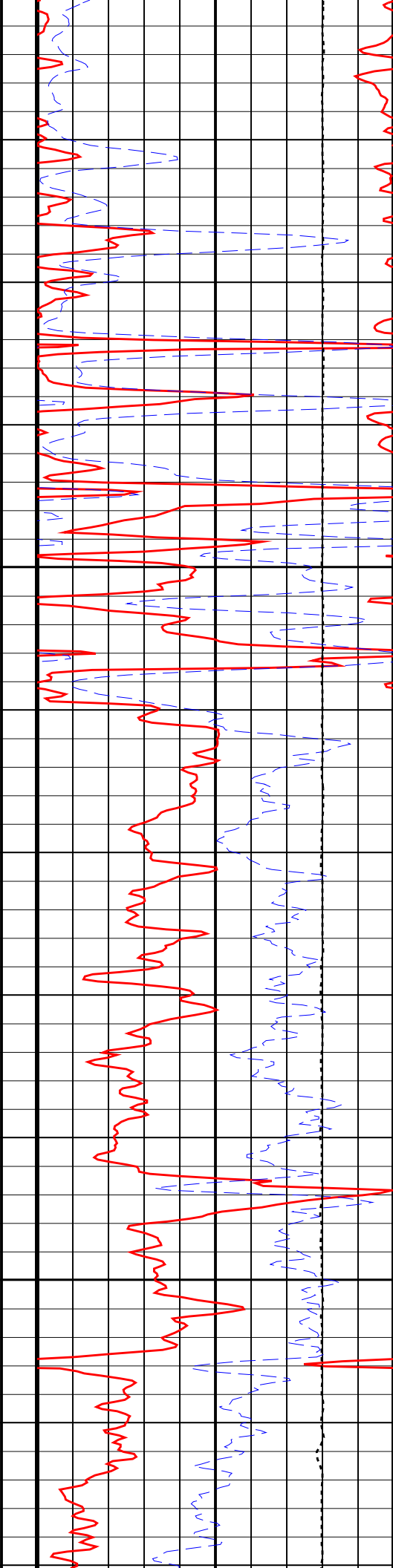
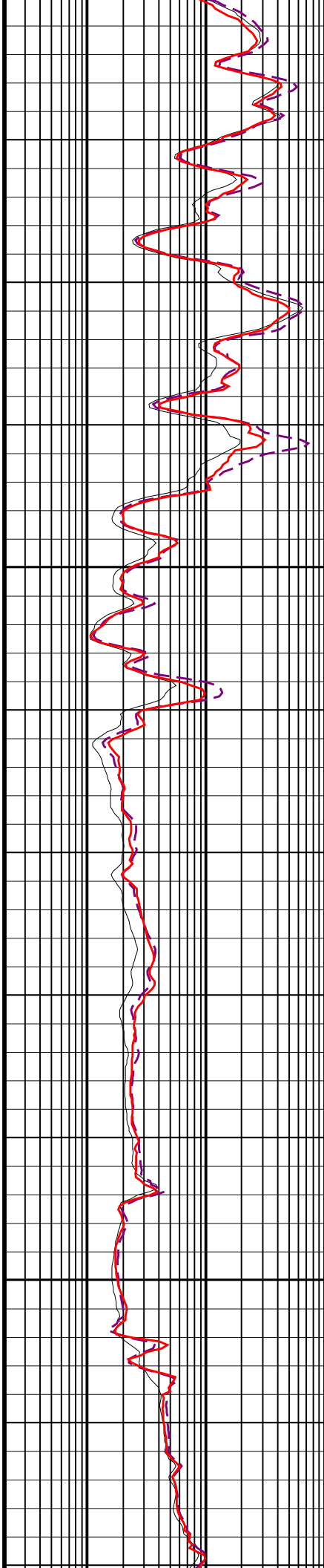
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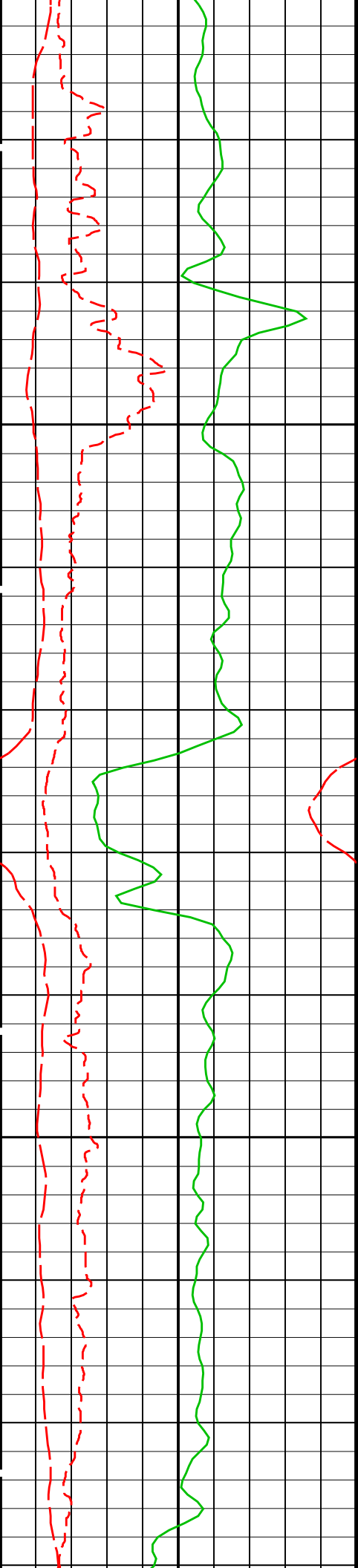




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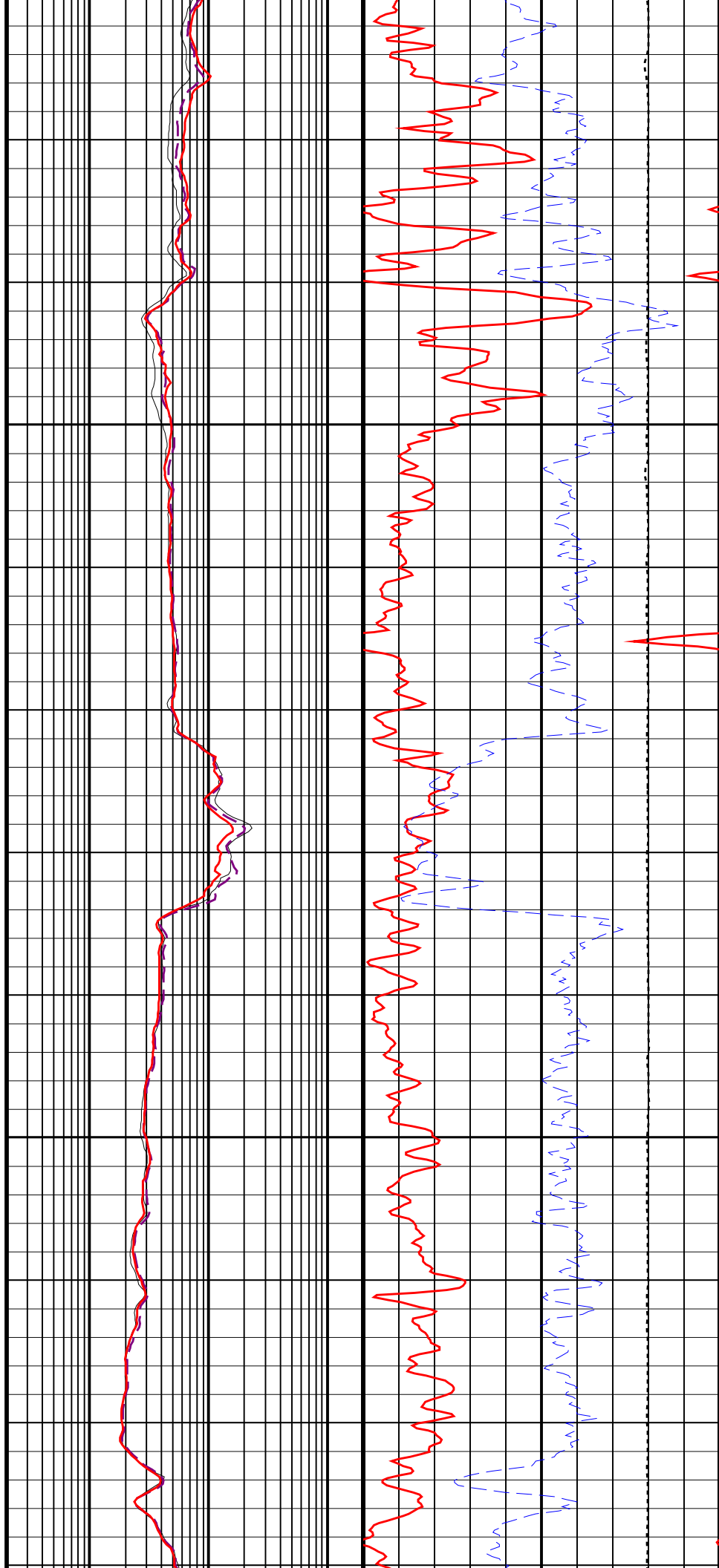
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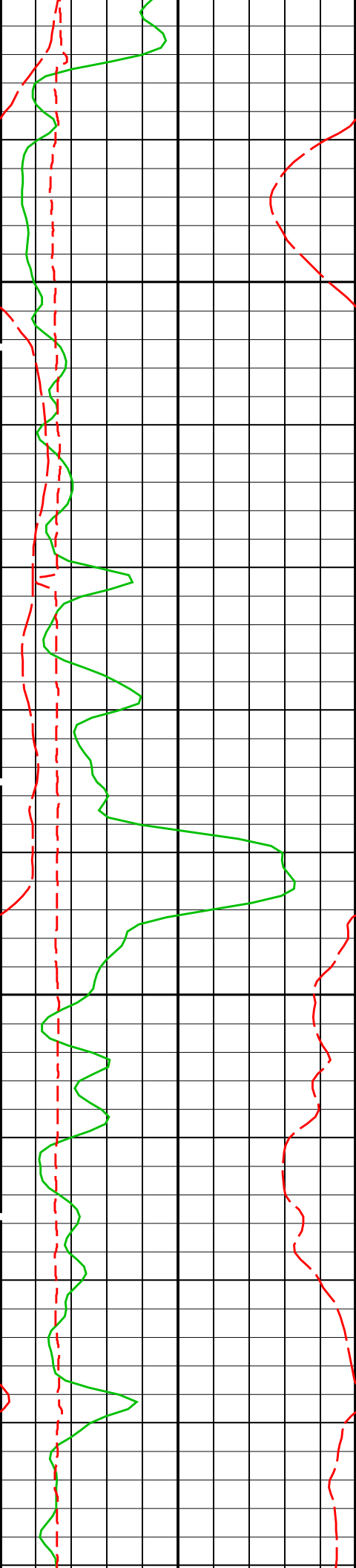




5250

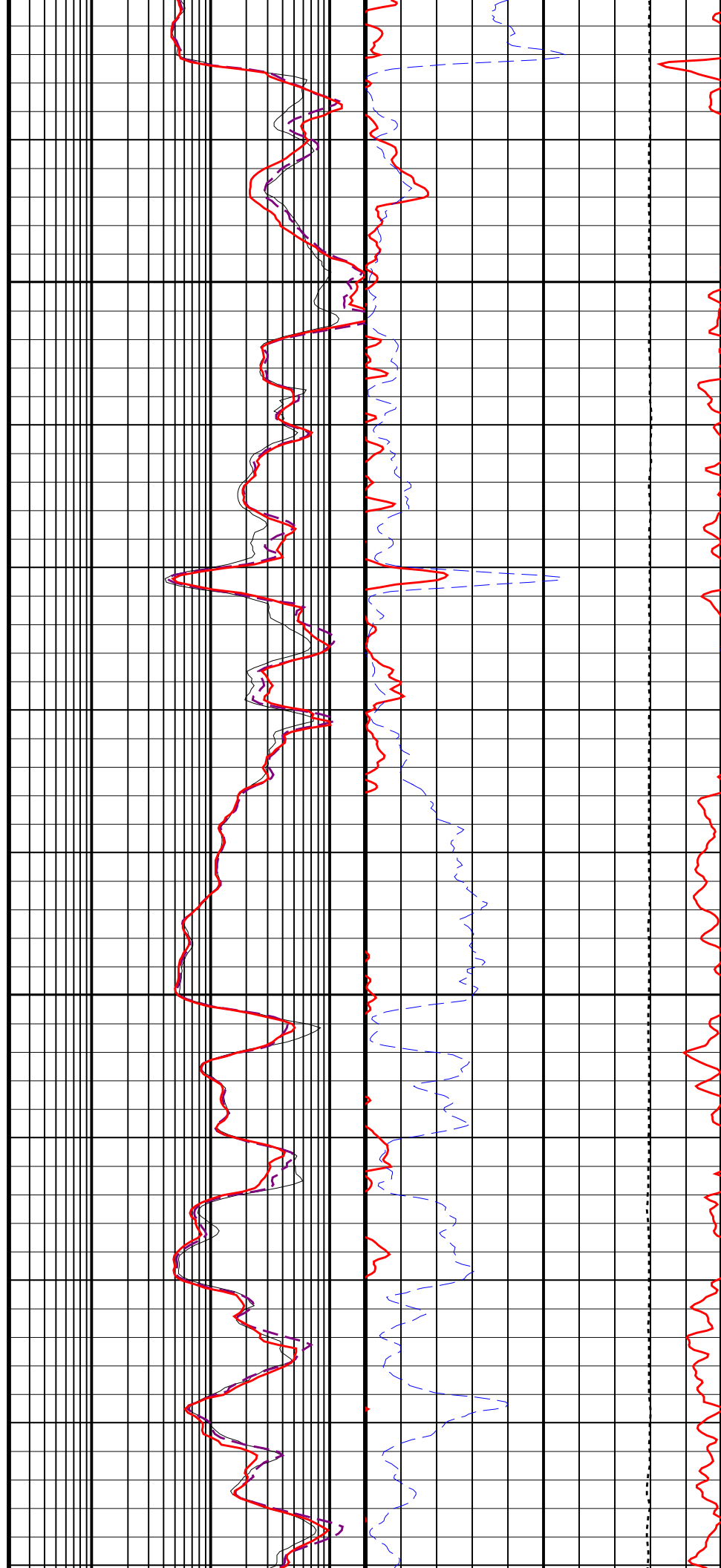
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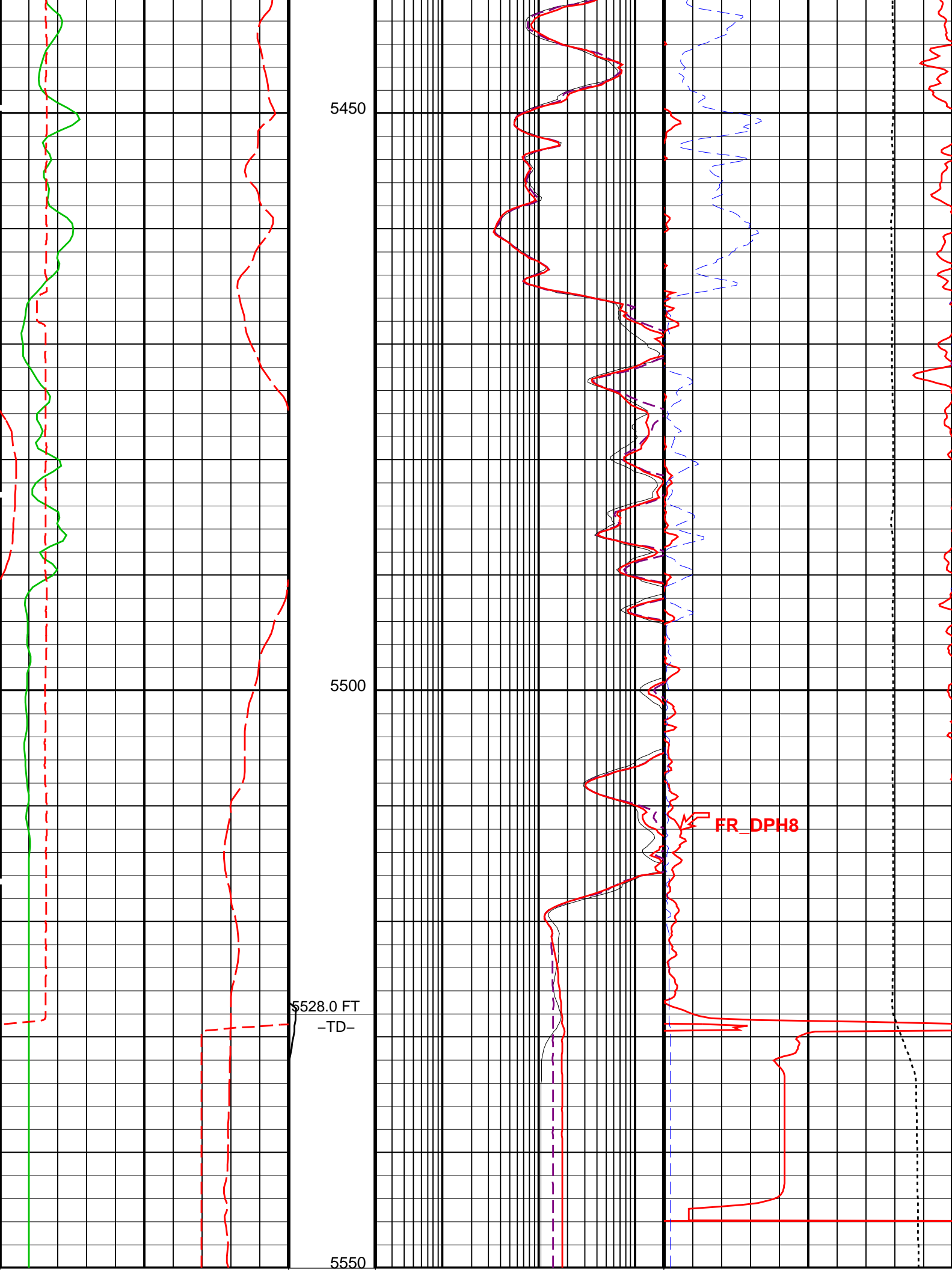




5350

5400





Gamma Ray (GR) (GAPI)		200	Stuck Stretch (STIT)	AIT 10 Inch Investigation (AT10)		H. Res. Density Porosity (DPH8)	
0			0 (F) 50	0.2	(OHMM)	200	0 (V/V) 0.5
HILT Caliper (HCAL) (IN)		16		AIT 30 Inch Investigation (AT30)		HiRes NPOR (HNPO)	
6				0.2	(OHMM)	200	0 (V/V) 0.5
SP (SP) (MV)		40		AIT 90 Inch Investigation (AT90)		Tension (TENS)	
-160				0.2	(OHMM)	200	10000 (LBF) 0

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS 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	NO
ACEN	Array Induction Tool Centering Flag (in Borehole)	ECCENTERED
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	1.000
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
ASAP	Array Induction Suspend Answer Product Processing	0_NOSUSPENSION
ASTA	Array Induction Tool Standoff	0.250 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)	212.0 degF
FEXP	Form Factor Exponent	2.000
FNUM	Form Factor Numerator	1.000
GCSE	Generalized Caliper Selection	HCAL
GDEV	Average Angular Deviation of Borehole from Normal	0.000 deg
GGRD	Geothermal Gradient	0.010 degF/ft
GRSE	Generalized Mud Resistivity Selection	AMF_AITM
GTSE	Generalized Temperature Selection	HSTS_HTEM
MATR	Rock Matrix for Neutron Porosity Corrections	LIME
SHT	Surface Hole Temperature	68.000 degF
SPDR	SP Drift	0.000 mV/ft
SPNV	SP Next Value	0.000 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)	212.0 degF
BSCO	Borehole Salinity Correction Option	NO
CCCO	Casing & Cement Thickness Correction Option	NO
DHC	Density Hole Correction	BS
FD	Fluid Density	1.000 g/cm3
FEXP	Form Factor Exponent	2.000
FNUM	Form Factor Numerator	1.000
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	0.000 deg
GGRD	Geothermal Gradient	0.010 degF/ft
GRSE	Generalized Mud Resistivity Selection	AMF_AITM
GTSE	Generalized Temperature Selection	HSTS_HTEM
HSCO	Hole Size Correction Option	YES
MATR	Rock Matrix for Neutron Porosity Corrections	LIME
MCCO	Mud Cake Correction Option	NO
MCOR	Mud Correction	NATU
MDEN	Matrix Density	2.710 g/cm3
MWCO	Mud Weight Correction Option	NO
NAAC	HRDD APS Activation Correction	OFF
NMT	HILT Nuclear Mud Type	NOBARITE
NPRM	HRDD Processing Mode	HIRES
NSAR	HRDD Depth Sampling Rate	1.000 in
PTCO	Pressure/Temperature Correction Option	NO

SDAT	Standoff Data Source	SOCN	
SHT	Surface Hole Temperature	68.000	degF
SOCN	Standoff Distance	0.125	in
SOCO	Standoff Correction Option	YES	
FEQL: Formation Evaluation Quick Look			
FEXP	Form Factor Exponent	2.000	
FNUM	Form Factor Numerator	1.000	
HOLEV: Integrated Hole/Cement Volume			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	212.0	degF
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0.000	deg
GGRD	Geothermal Gradient	0.010	degF/ft
GRSE	Generalized Mud Resistivity Selection	AMF_AITM	
GTSE	Generalized Temperature Selection	HSTS_HTEM	
MATR	Rock Matrix for Neutron Porosity Corrections	LIME	
SHT	Surface Hole Temperature	68.000	degF
PERT: Preliminary Evaluation – Real Time			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	212.0	degF
FEXP	Form Factor Exponent	2.000	
FNUM	Form Factor Numerator	1.000	
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0.000	deg
GGRD	Geothermal Gradient	0.010	degF/ft
GRSE	Generalized Mud Resistivity Selection	AMF_AITM	
GTSE	Generalized Temperature Selection	HSTS_HTEM	
MATR	Rock Matrix for Neutron Porosity Corrections	LIME	
SHT	Surface Hole Temperature	68.000	degF
STI: Stuck Tool Indicator			
STKT	STI Stuck Threshold	2.500	ft
TDD	Total Depth – Driller	5530.0	ft
TDL	Total Depth – Logger	5528.0	ft
System and Miscellaneous			
ACSED	Array Induction Casing Shoe Estimated Depth		
BS	Bit Size	7.875	in
BSAL	Borehole Salinity		
CSIZ	Current Casing Size	8.625	in
CWEI	Casing Weight	24.000	lbm/ft
DFD	Drilling Fluid Density	9.200	lbm/gal
FLEV	Fluid Level		
FSAL	Formation Salinity		
MST	Mud Sample Temperature	106.2	degF
RMFS	Resistivity of Mud Filtrate Sample	0.587	ohm.m
TD	Total Depth	5528.0	ft

Format: COMBO_HIRES Vertical Scale: 10" per 100' Graphics File Created: 02-Aug-2011 17:57

OP System Version: 18C0-147

AITM	18C0-147	HILTD	18C0-147
DTCH	18C0-147		

Input DLIS Files

DEFAULT	AIT_TLD_MCFL_CNL_007LUP	FN:6	PRODUCER	02-Aug-2011 16:19	5550.0 FT	0.0 FT
DEFAULT	AIT_TLD_MCFL_CNL_007LUP	FN:6	PRODUCER	02-Aug-2011 16:19	5550.0 FT	0.0 FT

Company: **Vecta Oil & Gas Ltd**

Schlumberger

Well: **Torreys 31-4**

Field: **Wildcat**

County: **Cheyenne**

State: **Colorado**

Platform Express

Triple Combo