HALLIBURTON

ARRAY COMPENSATED TRUE RESISTIVITY LOG

COMPANY CONCORDE RESOURCES CORP.
WELL MCDANIEL 1-12
FIELD/BLOCK WILDCAT
COUNTY LOGAN
STATE KANSAS

COMPANY **CONCORDE RESOURCES CORP.**

WELL **MCDANIEL 1-12**

FIELD/BLOCK **WILDCAT**

COUNTY **LOGAN** STATE **KANSAS**

API No. 15-109-21429-00-00

Location (SHL) 2665' FNL & 2191' FWL
NW-NE-NE-SW

Other Services:
DSN / SDL
MICROLOG
BSAT
ACRT

Permanent Datum	GL	Elev. 2848.0 ft	Elev.: K.B.	2853.0 ft
Log measured from	KB	5.0 ft above perm. Datum	D.F.	2852.0 ft
Drilling measured from	KB		G.L.	2848.0 ft

Date		28-Aug-15					
Run No.		ONE					
Depth - Driller		4560.00 ft					
Depth - Logger		4560.0 ft					
Bottom - Logged Interval		4551					
Top - Logged Interval		300					
Casing - Driller		8.625 in @ 303.0 ft		@		@	
Casing - Logger		300.0 ft					
Bit Size		7.875 in		@		@	
Type Fluid in Hole		Water Based Mud					
Density	Viscosity	9.2 ppg	53.00 s/qt				
PH	Fluid Loss	9.70 pH	11.2 cptm				
Source of Sample		MUD PIT					
Rm @ Meas. Temperature		0.465 ohmm @ 81.00 degF		@		@	
Rmf @ Meas. Temperature		0.45 ohmm @ 68.00 degF		@		@	
Rmc @ Meas. Temperature		0.903 ohmm @ 72.00 degF		@		@	
Source Rmf	Rmc	MEASURED	MEASURED				
Rm @ BHT		0.31 ohmm @ 126.0 degF		@		@	
Time Since Circulation		4.0000 hr					
Time on Bottom		28-Aug-15 13:49:30.000					
Max. Rec. Temperature		126.0 degF @ 4560.0 ft		@		@	
Equipment	Location	11230668	LIBERAL				
Recorded By		SHELDON INGERSOLL					
Witnessed By		S. MURPHY					

Fold here

Service Ticket No.: 902705324 API Serial No.: 15-109-21429-00-00 PGM Version: WL INSITE R4.6.4 (Build 3)

CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE

	Sample No.	Type Log	Depth	Scale Up Hole	Scale Down Hole
Date					
Depth-Driller					
Type Fluid in Hole					
Density	Viscosity				
Ph	Fluid Loss				
Source of Sample					
Rm @ Meas. Temp	@				
Rmf @ Meas. Temp.	@				
Rmc @ Meas. Temp.	@				
Source Rmf	Rmc				
Rm @ BHT	@				
Rmf @ BHT	@				
Rmc @ BHT	@				

RESISTIVITY SCALE CHANGES

RESISTIVITY EQUIPMENT DATA

	Run No.	Tool Type & No.	Pad Type	Tool Pos.	Other
	ONE	ACRT	N/A	CENT	
		10929775			
	ONE	MICROLOG	RUBBER	ADJACENT	
		10673803			

EQUIPMENT DATA

	GAMMA			ACOUSTIC				DENSITY				NEUTRON			
	Run No.	Scale	Matrix	Run No.	Scale		Matrix	Run No.	Scale		Matrix	Run No.	Scale		Matrix
		L	R		L	R			L	R			L	R	
	ONE			ONE				ONE				ONE			
Serial No.	10811258			10939064				10673790				10735145			
Model No.	GTET			BSAT				SDLT				DSNT			
Diameter	3.625"			2				5.3"				3.625"			
Detector Model No.	T-102			No. of Cent.				GAM-GAM				NEU-NEU			
Type	SCINT			Spacing				Log Type				AM-241BE			
Length	8"			LSA [Y/N]				CS-137				DSN-436			
Distance to Source	N/A			FWDA [Y/N]				5073GW				15 CI			
								1.5 CI				Strength			

LOGGING DATA

	GENERAL				GAMMA			ACOUSTIC			DENSITY			NEUTRON		
	Run No.	Depth From	Depth To	Speed ft/min	Scale L	Scale R		Scale L	Scale R		Scale L	Scale R	Matrix	Scale L	Scale R	Matrix
	ONE	TD	CSG	REC	0	150		30	-10	47.6 us/ft	30	-10	2.71 gm/cc	30	-10	LIME

DIRECTIONAL INFORMATION

Maximum Deviation	@	KOP	@

Remarks: ANNULAR HOLE VOLUME CALCULATED FOR 5.5 INCH CASING.

CHLORIDES REPORTED AT 11000 ppm.

LCM REPORTED AT 1.5 #/bbl.

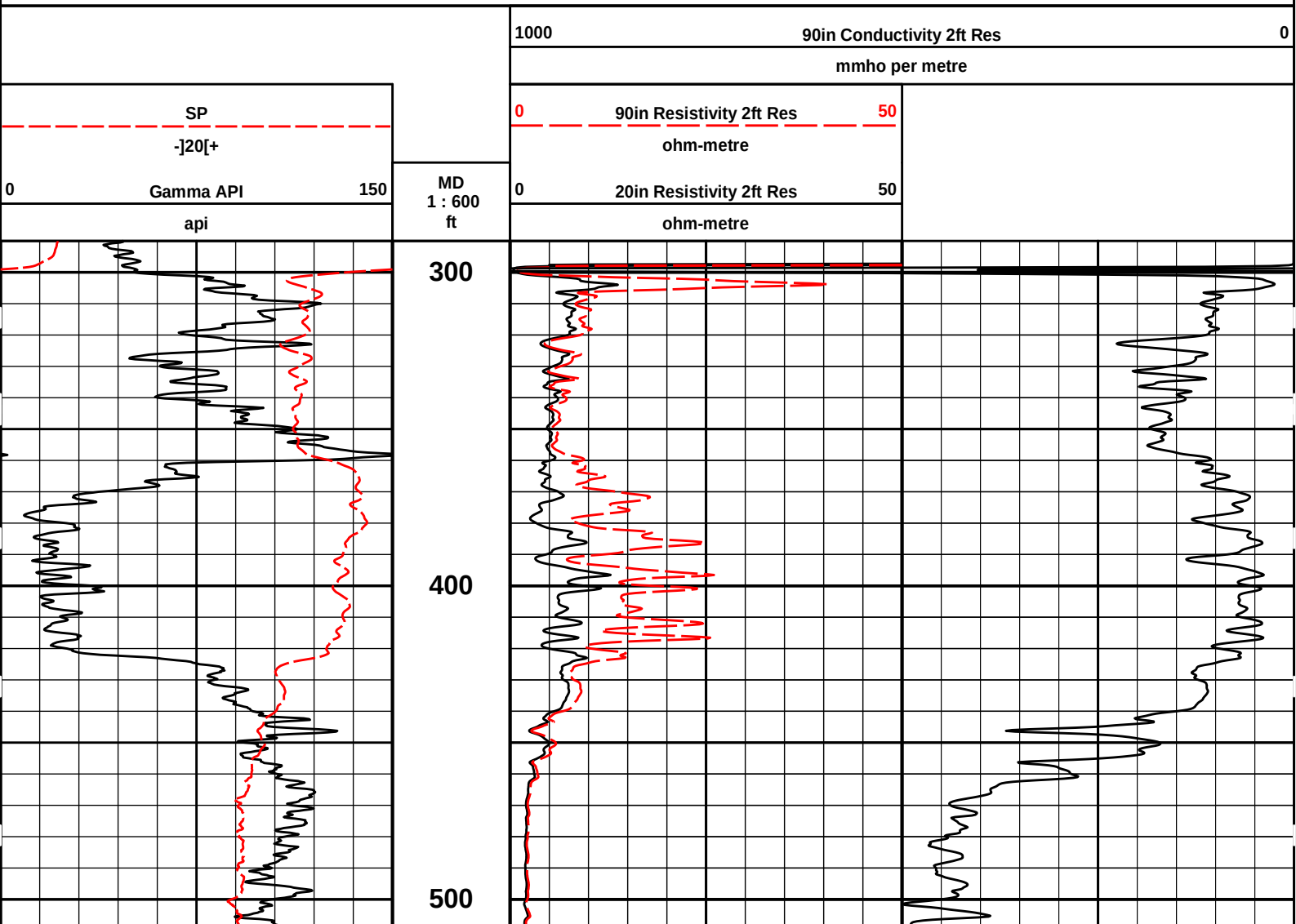
HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF THE LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS OR RECOMMENDATIONS WHICH MAY BE GIVEN BY HALLIBURTON PERSONNEL OR WHICH APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA, INTERPRETATIONS, CONVERSIONS, OR RECOMMENDATIONS AGREES THAT HALLIBURTON IS NOT RESPONSIBLE EXCEPT WHERE DUE TO GROSS NEGLIGENCE OR WILLFUL MISCONDUCT, FOR ANY LOSS, DAMAGES, OR EXPENSES RESULTING FROM THE USE THEREOF.

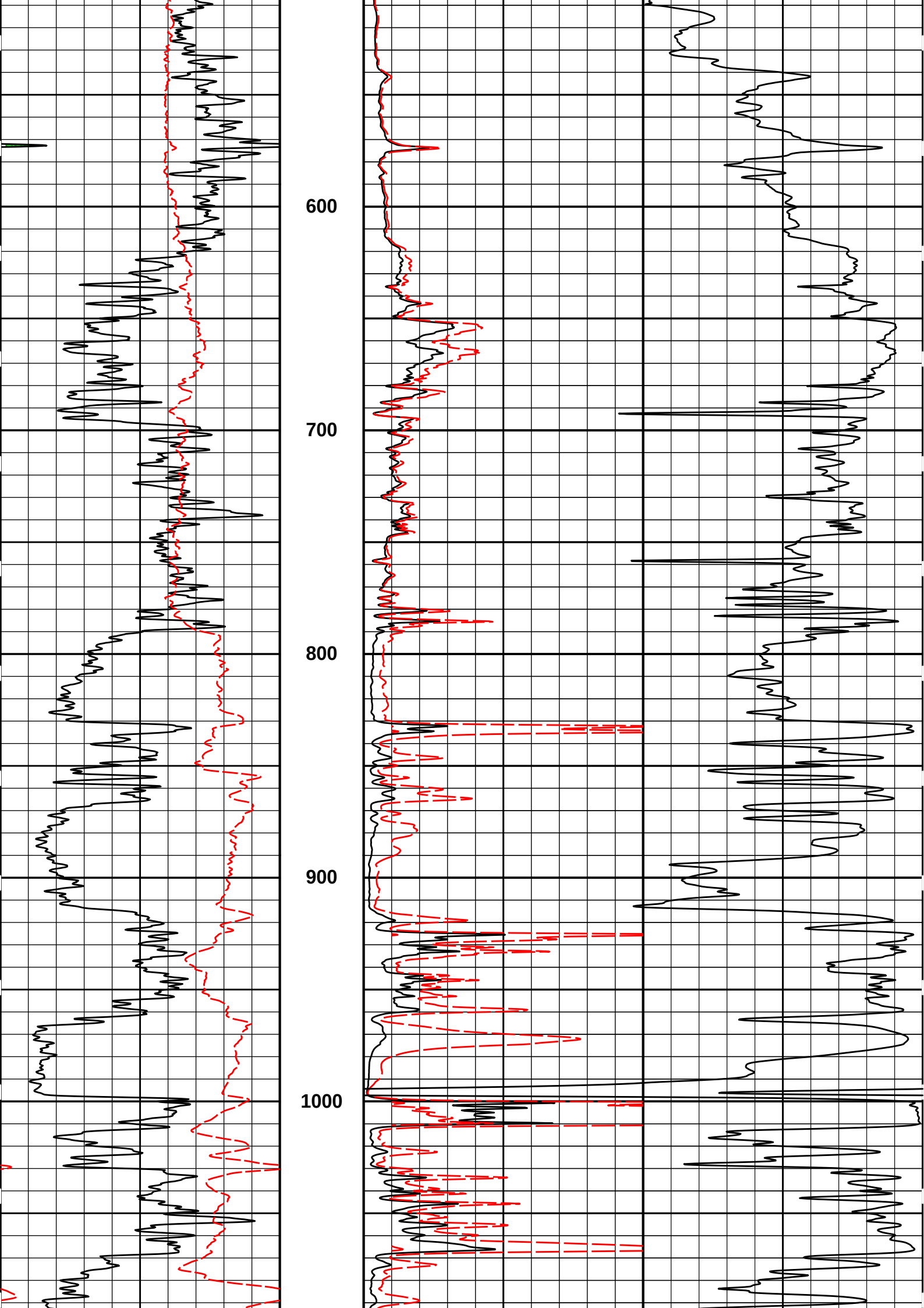
HALLIBURTON

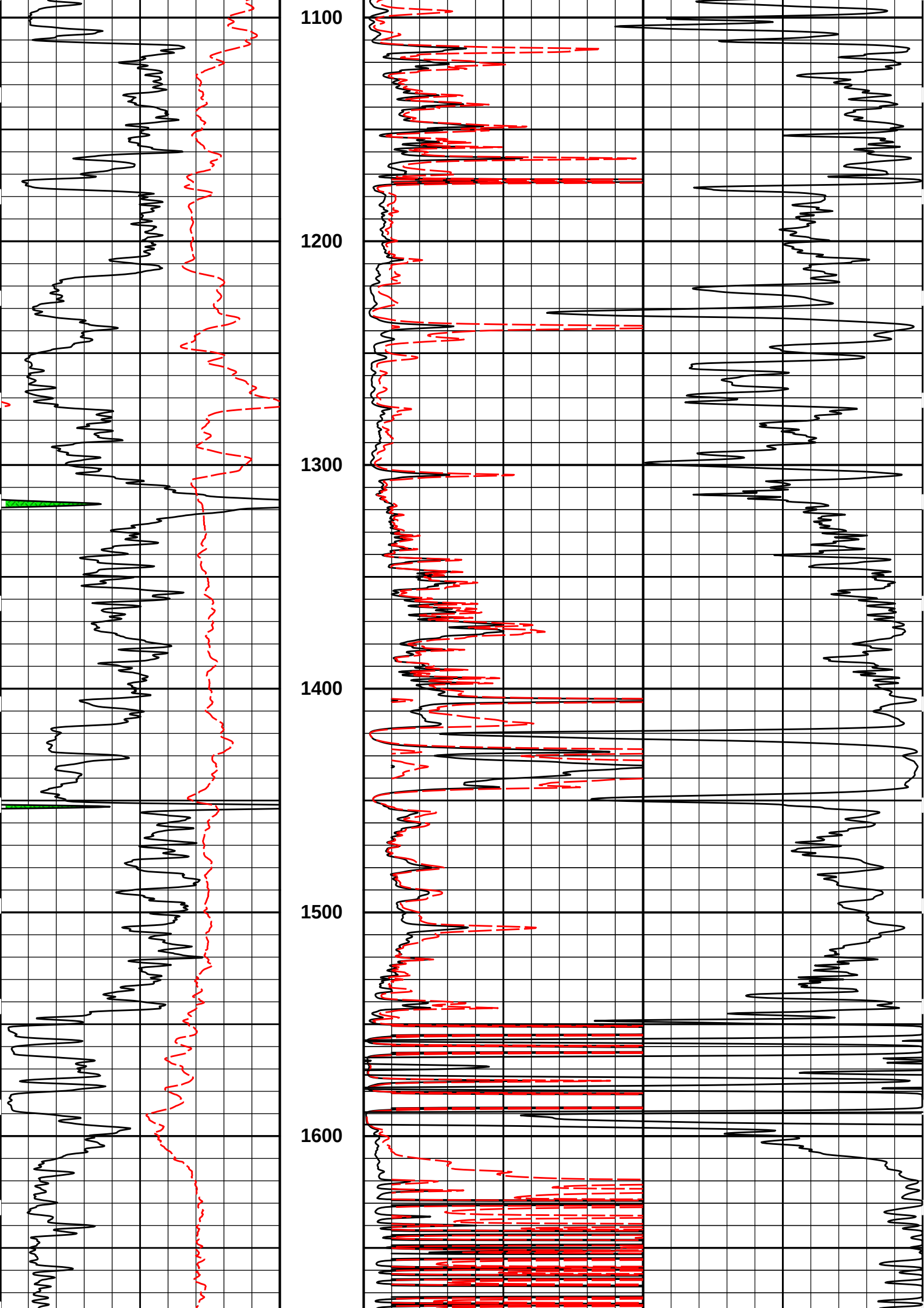
HALLIBURTON

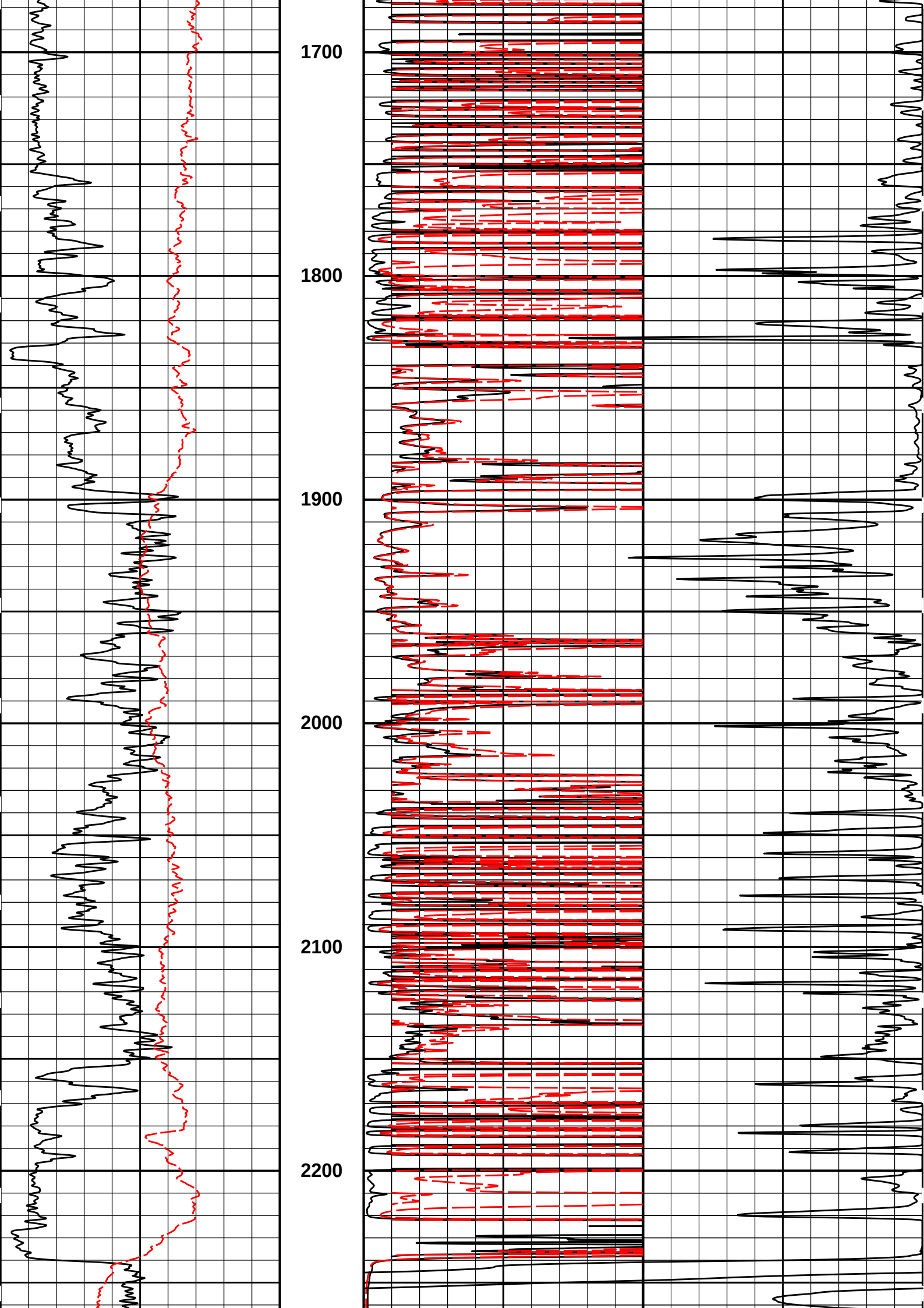
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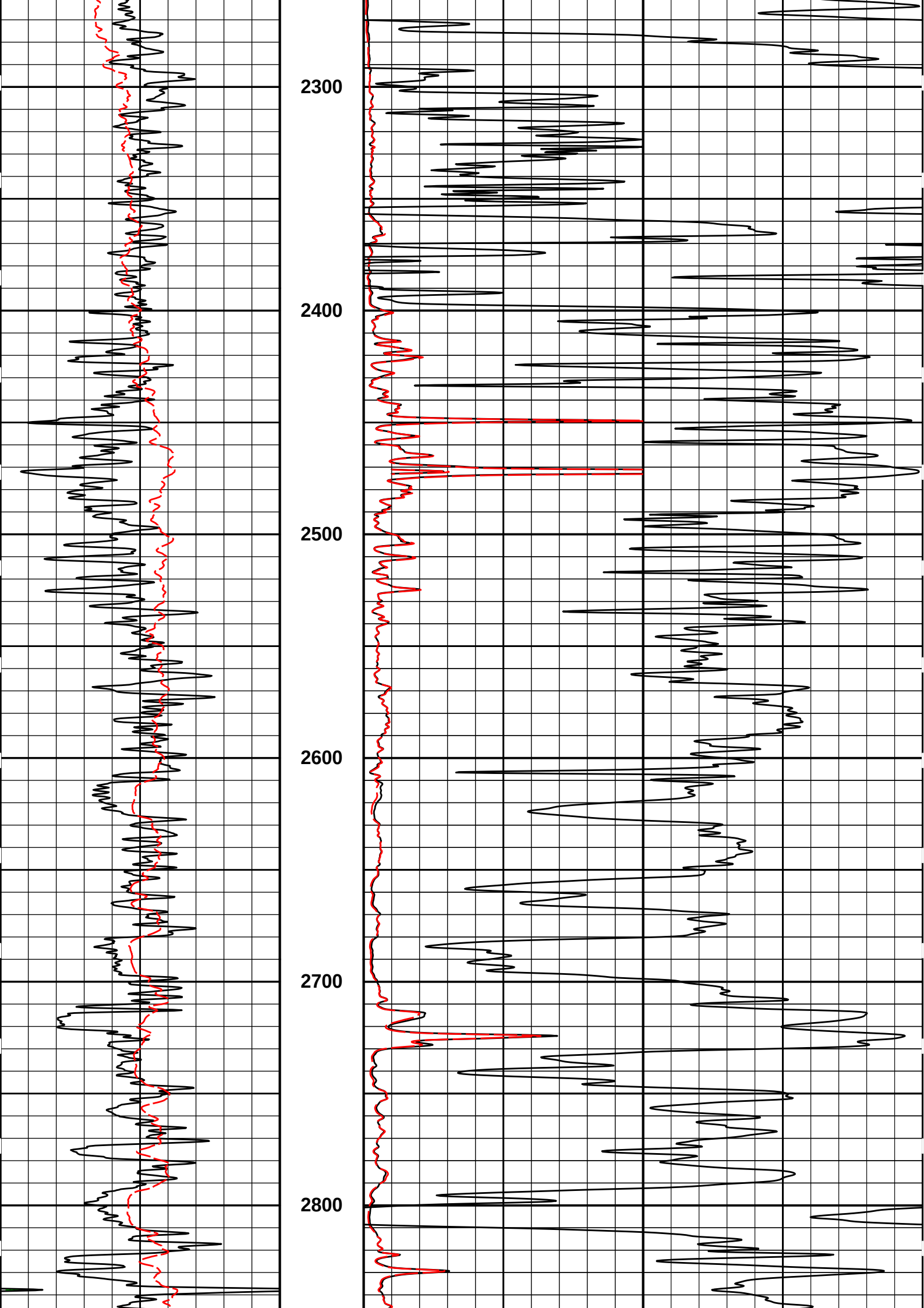
2 INCH MAIN LOG

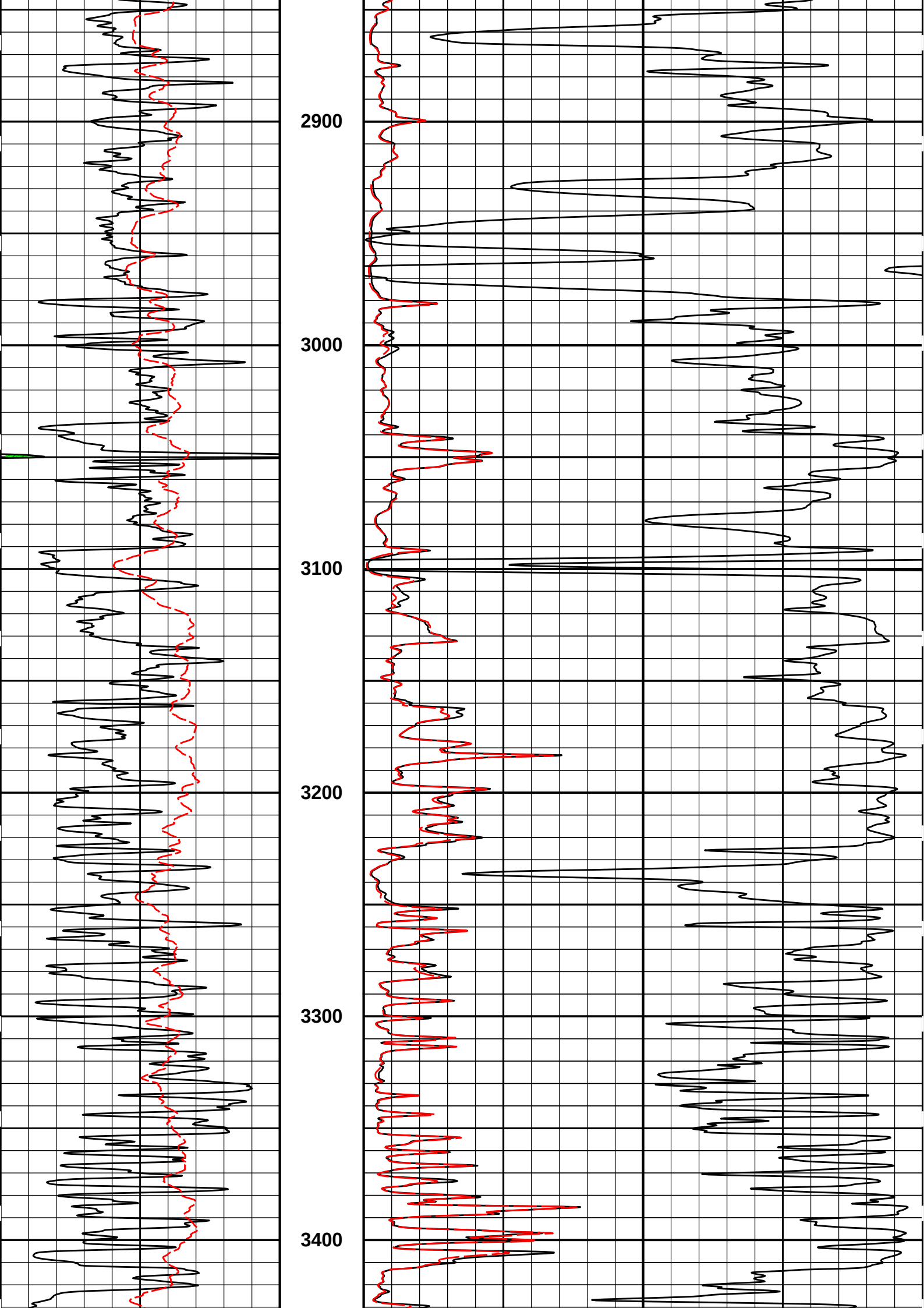


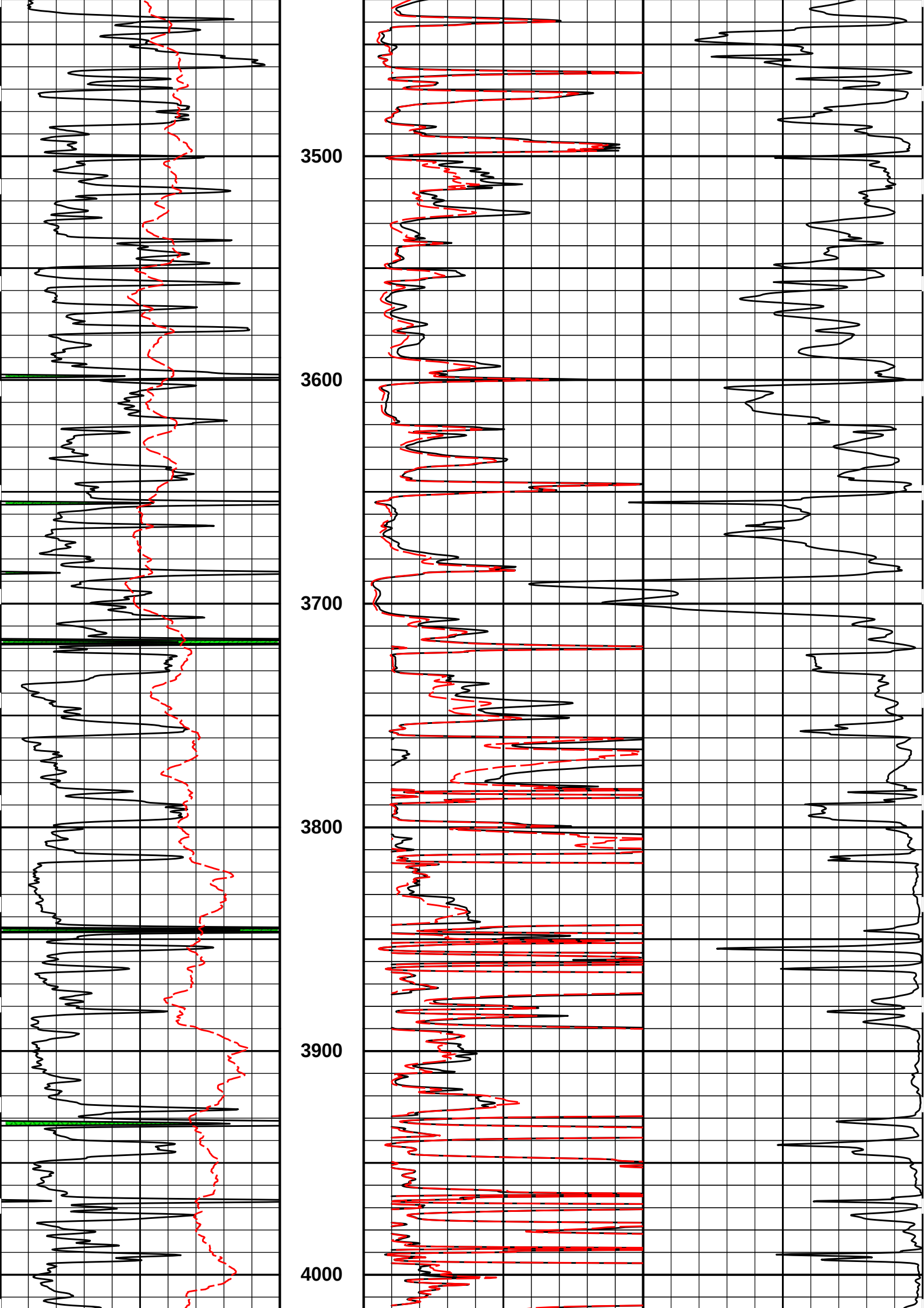

600
700
800
900
1000

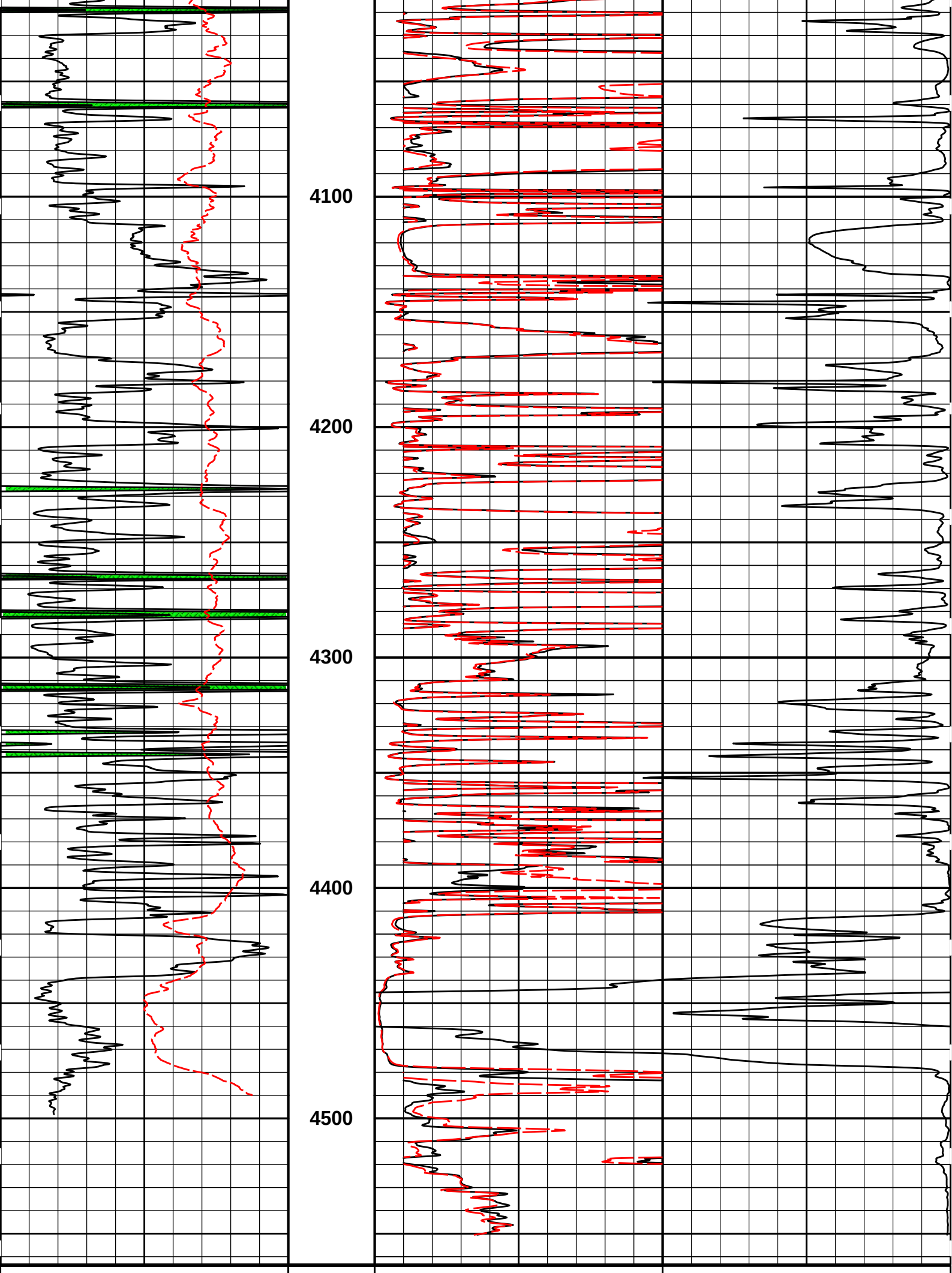

1100
1200
1300
1400
1500
1600


1700
1800
1900
2000
2100
2200


2300
2400
2500
2600
2700
2800


2900
3000
3100
3200
3300
3400


3500
3600
3700
3800
3900
4000



0 Gamma API 150	MD 1 : 600 ft	0 20in Resistivity 2ft Res 50
api		ohm-metre
SP		0 90in Resistivity 2ft Res 50

-]20[+

ohm-metre

1000 90in Conductivity 2ft Res 0

mmho per metre

HALLIBURTON

Plot Time: 28-Aug-15 17:01:17
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2 INCH MAIN LOG

HALLIBURTON

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Data: MCDANIEL_1-12\Well Based\R1 CASING\
Plot File: \\-LOCAL-\MCDANIEL_1-12\Well Based\ACRT\ACRT_5_main_lib

5 INCH MAIN LOG

0.2 90in Resistivity 2ft Res 2000

ohmm

0.2 60in Resistivity 2ft Res 2000

ohmm

0.2 30in Resistivity 2ft Res 2000

ohm-metre

0.2 20in Resistivity 2ft Res 2000

ohmm

0.2 10in Resistivity 2ft Res 2000

ohmm

SHALE

0 Gamma API 150

api

SP

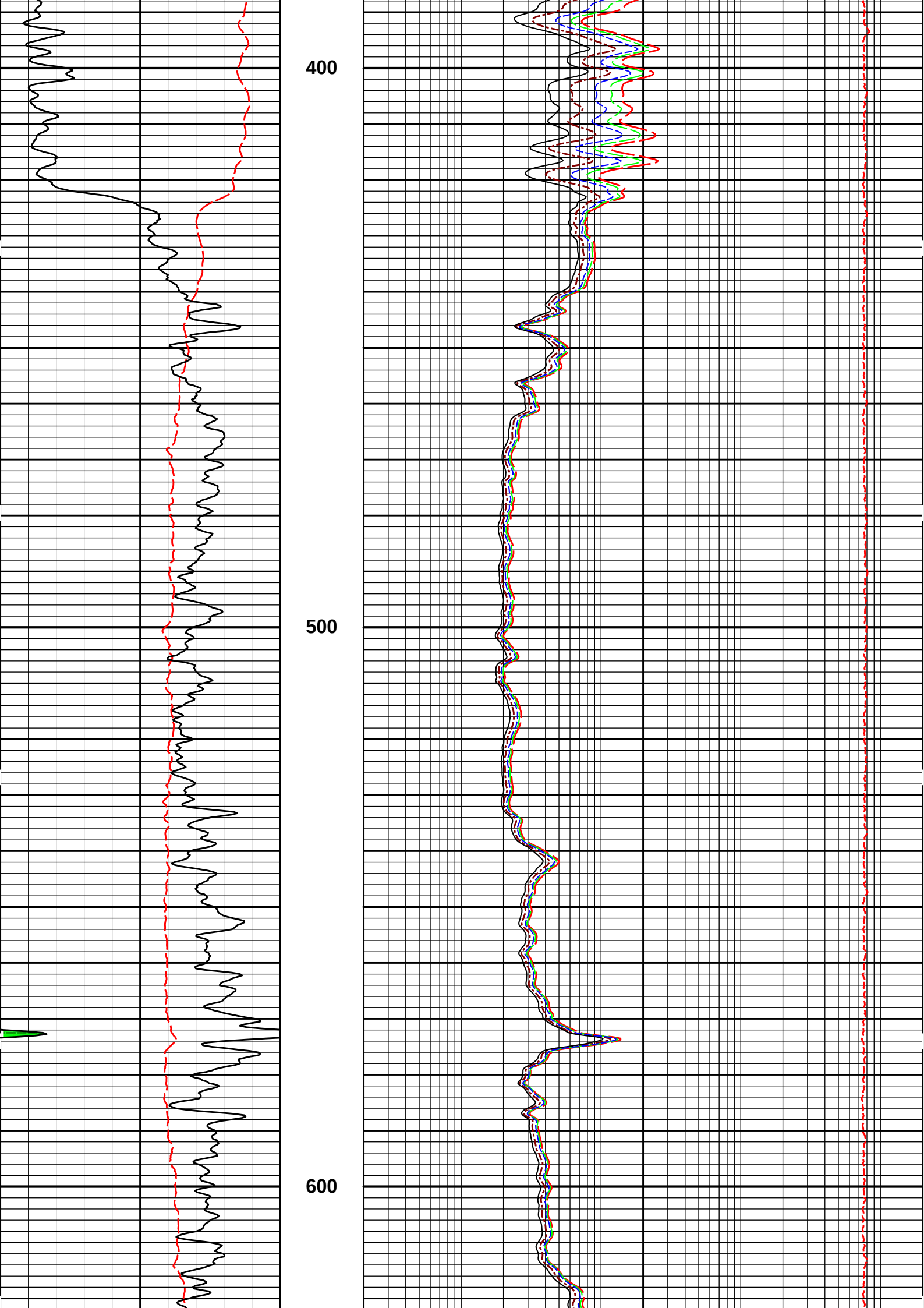
-]20[+

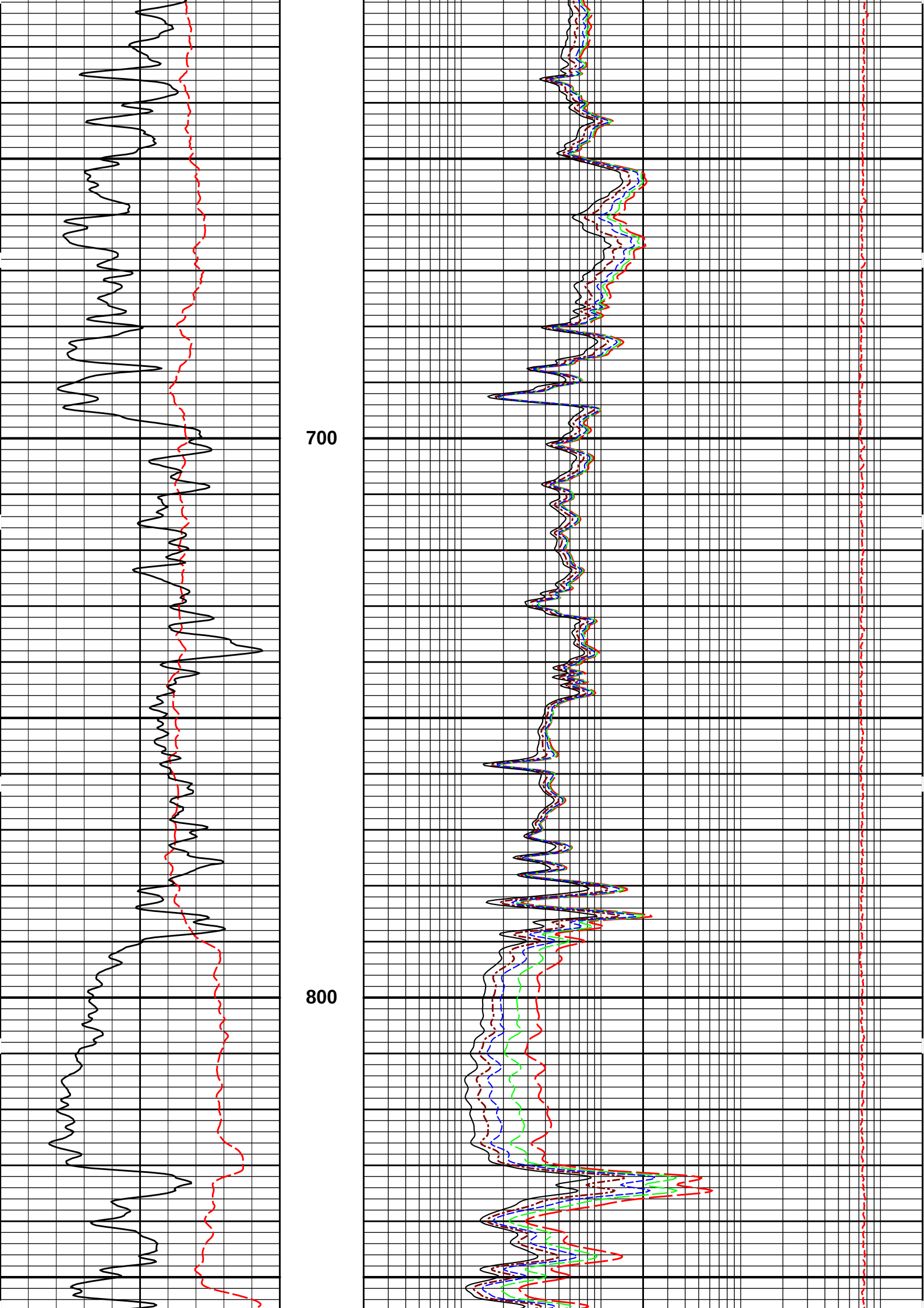
MD
1 : 240
ft

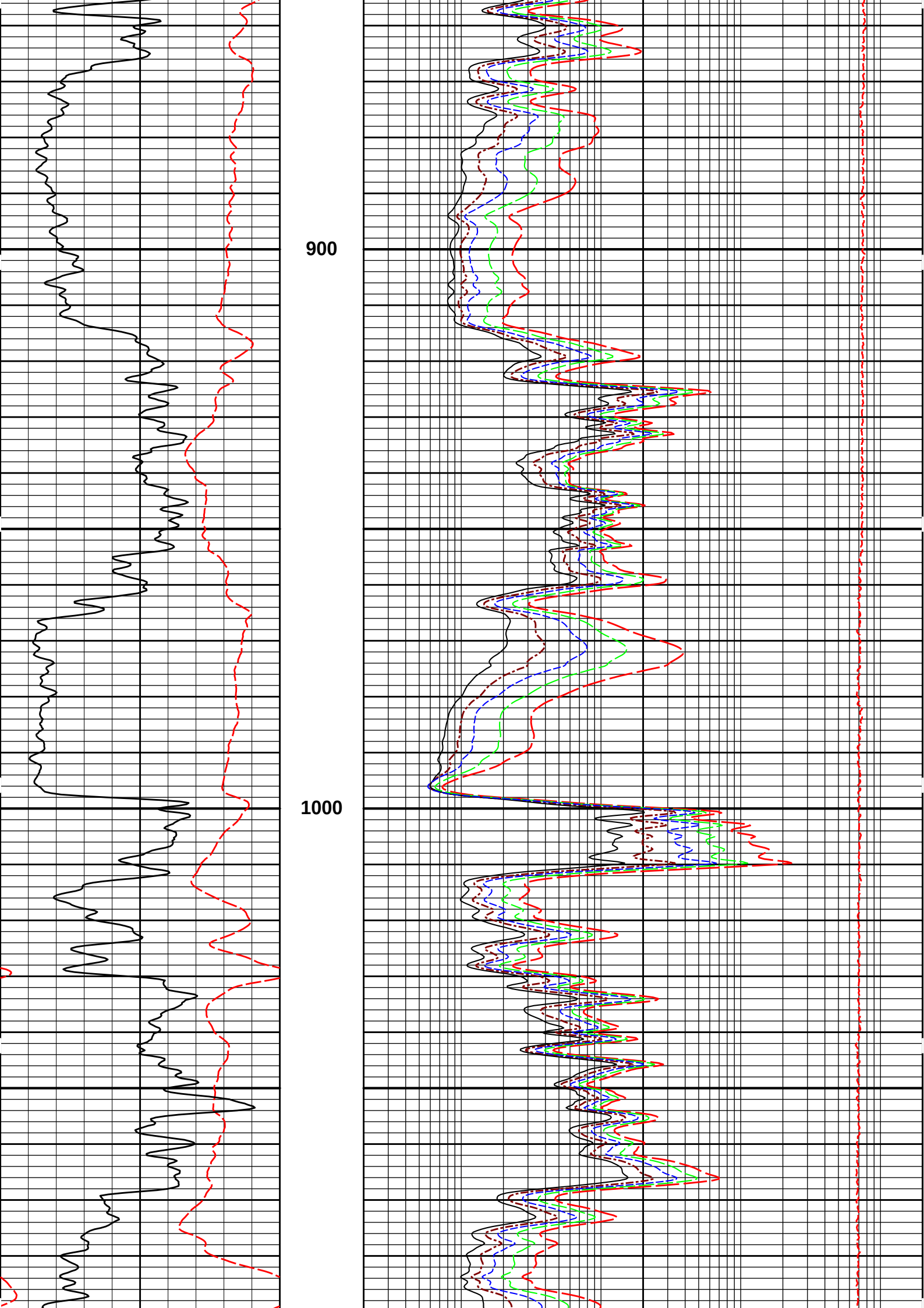
10K Tension 0

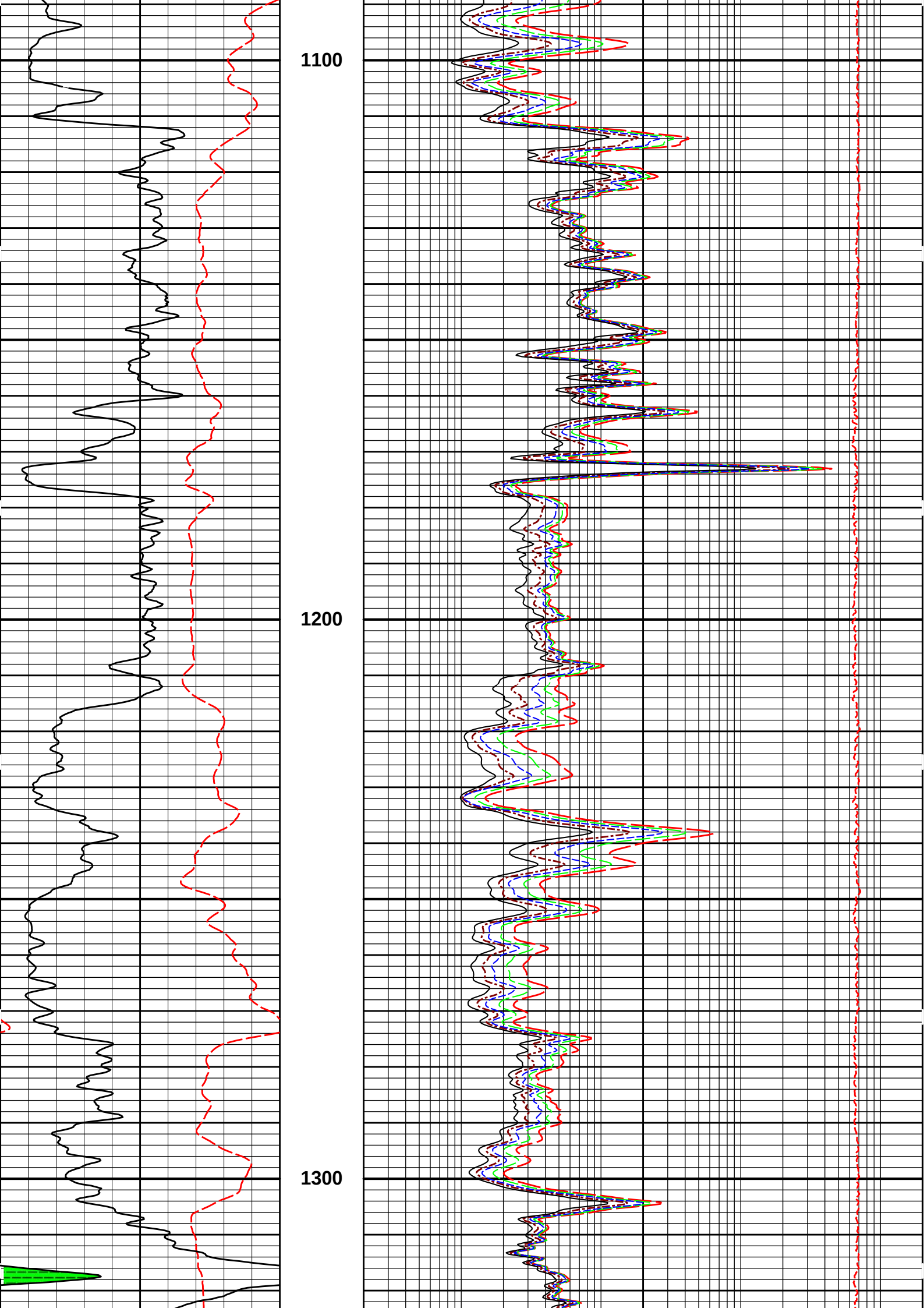
pounds

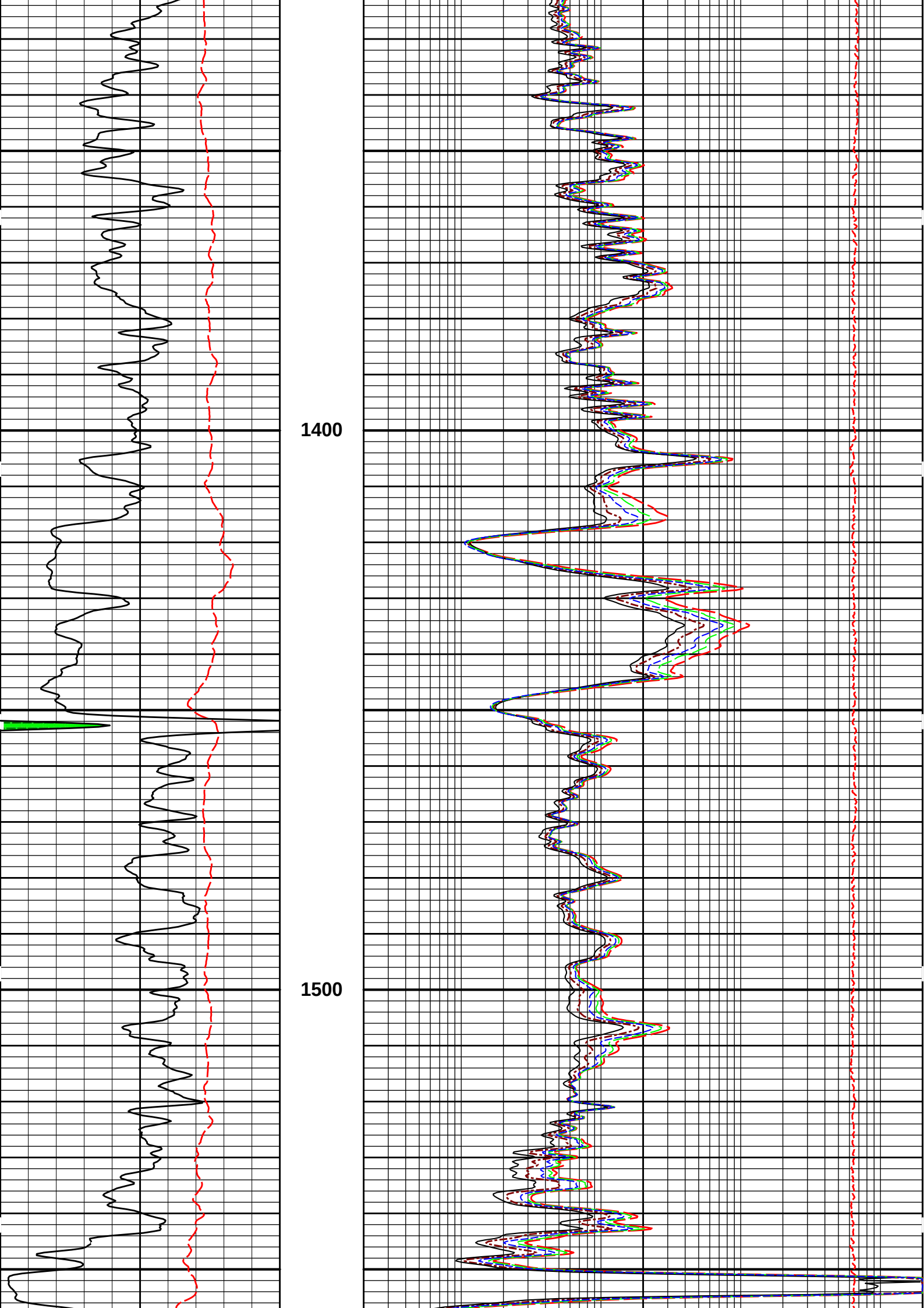
CSG
300

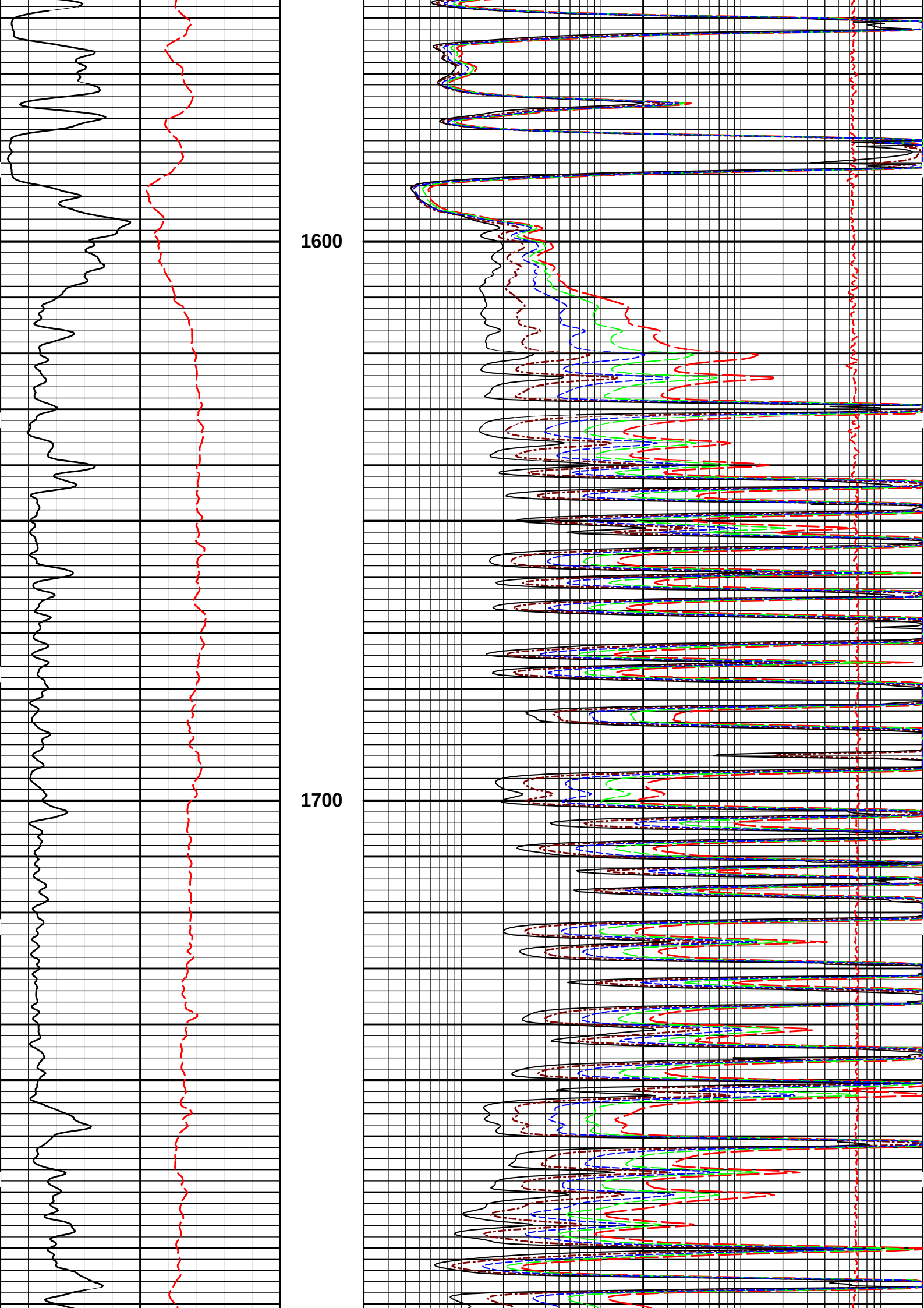

400
500
600

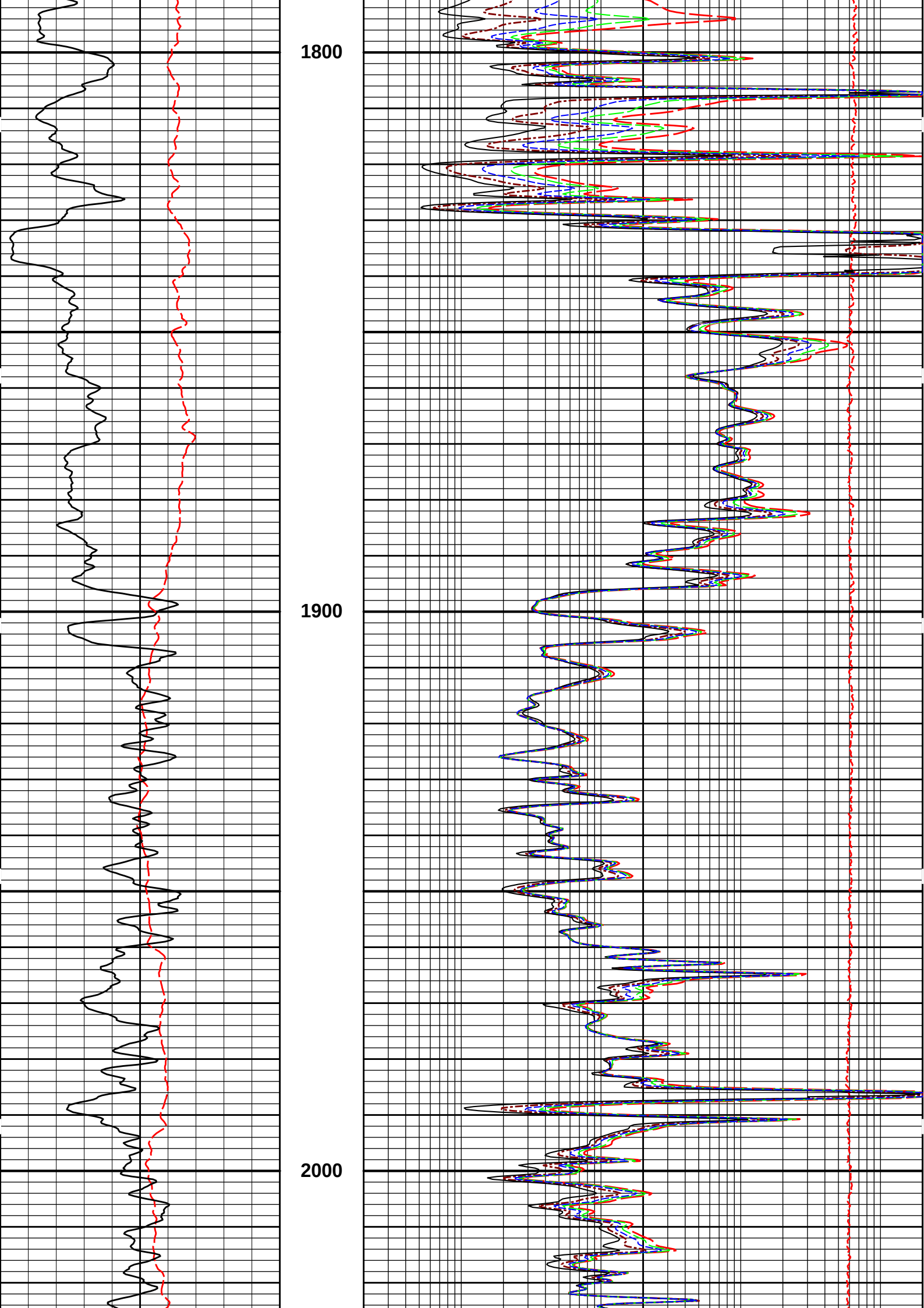

700
800

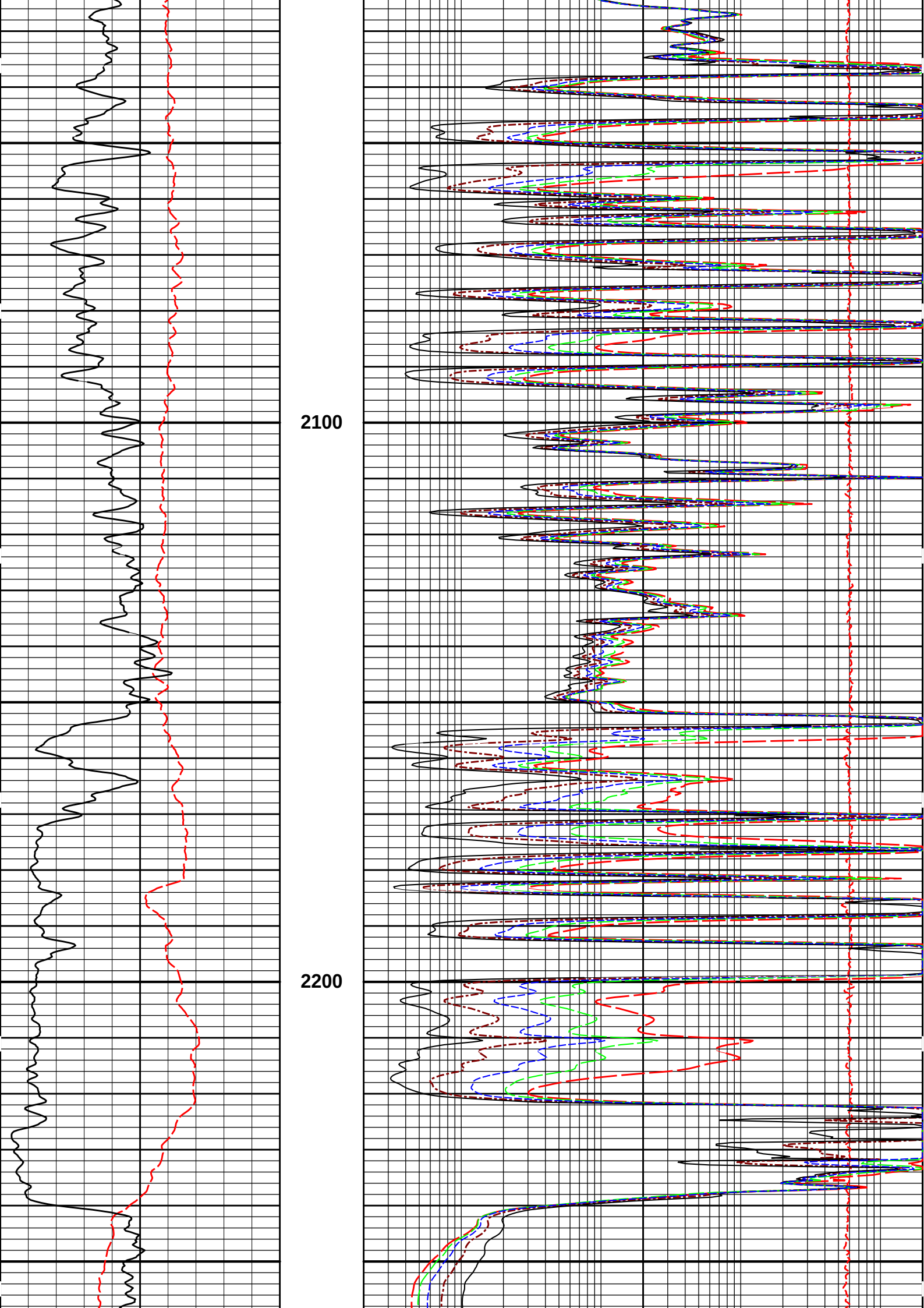

900
1000

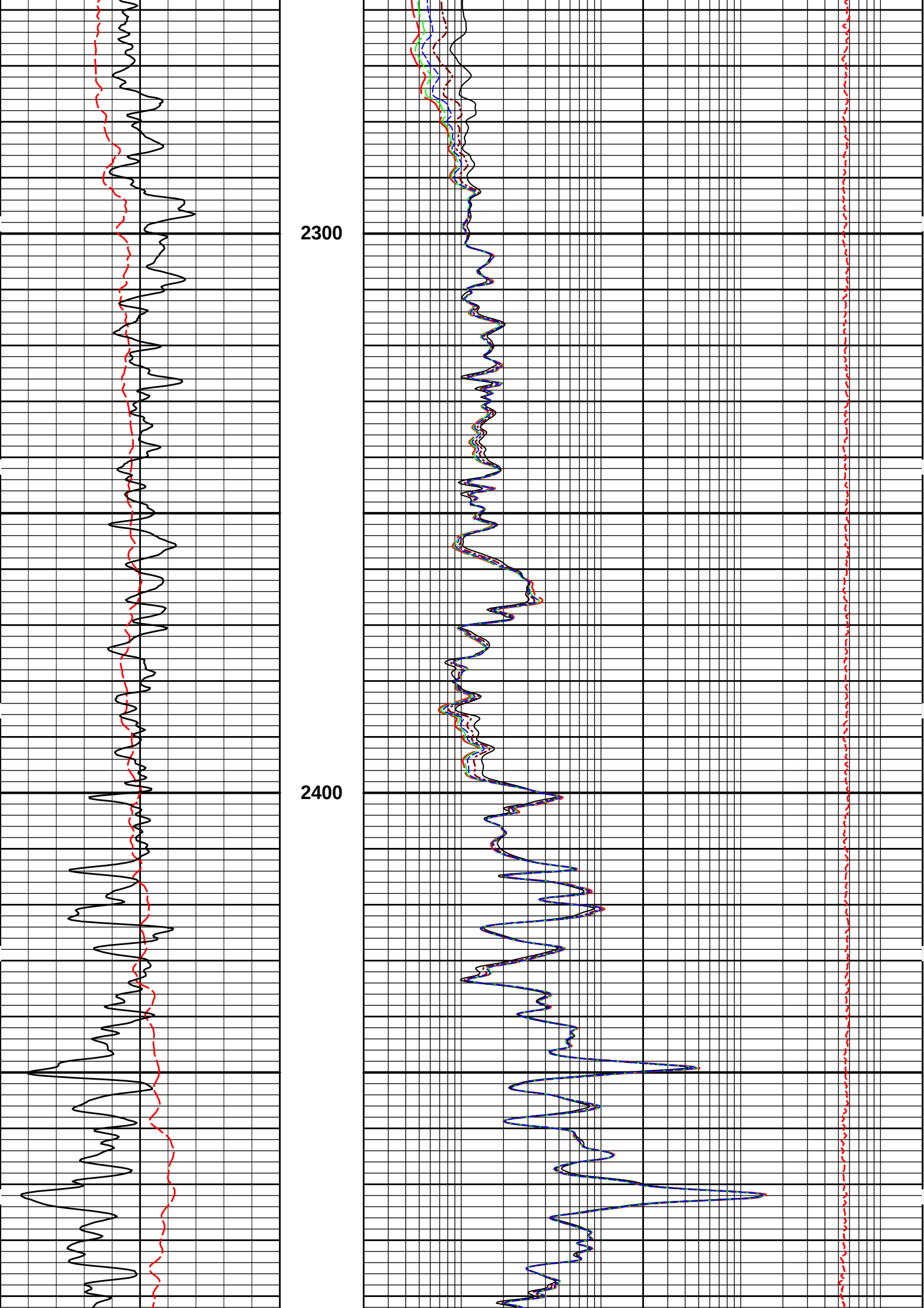

1100
1200
1300

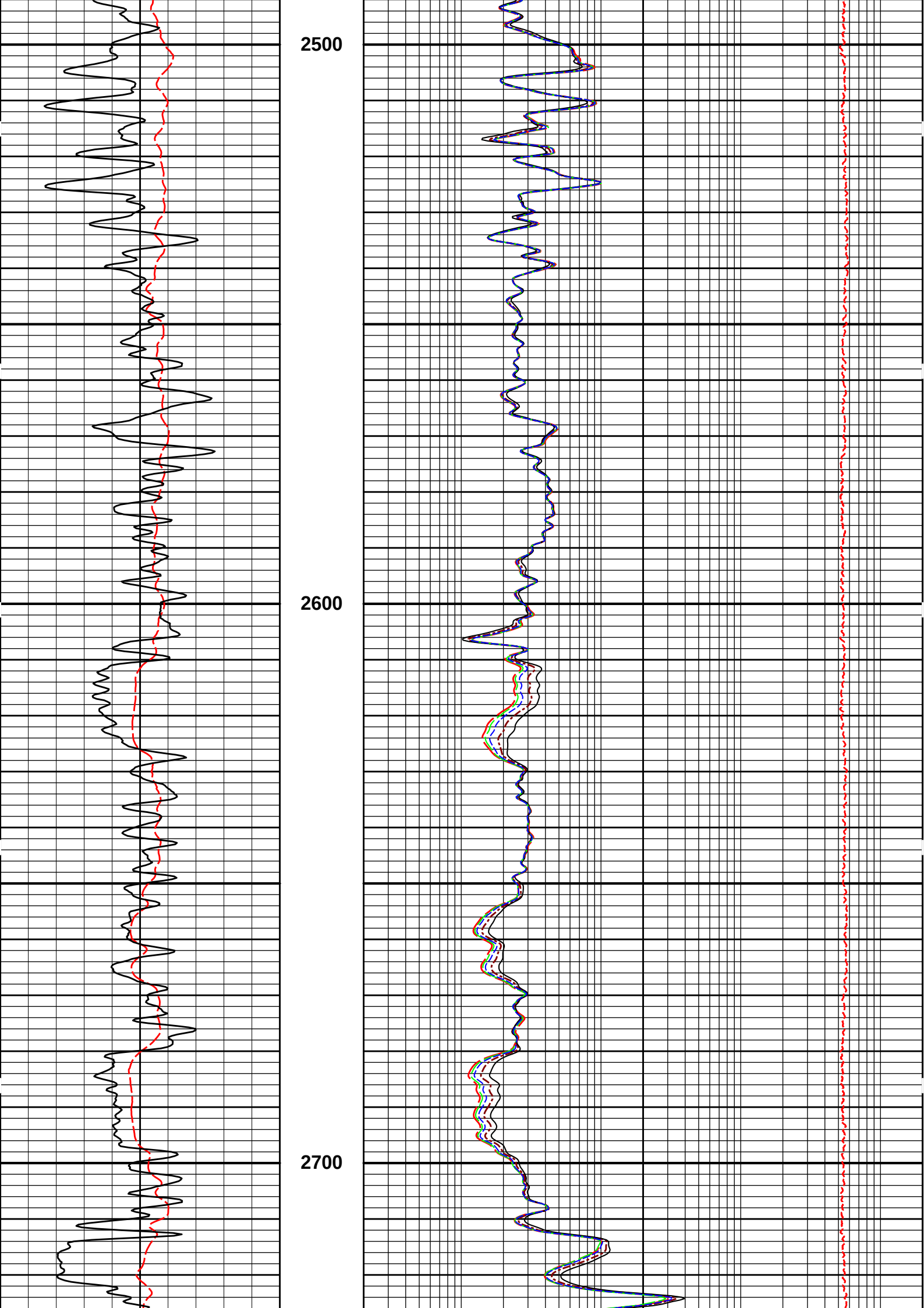

1400
1500

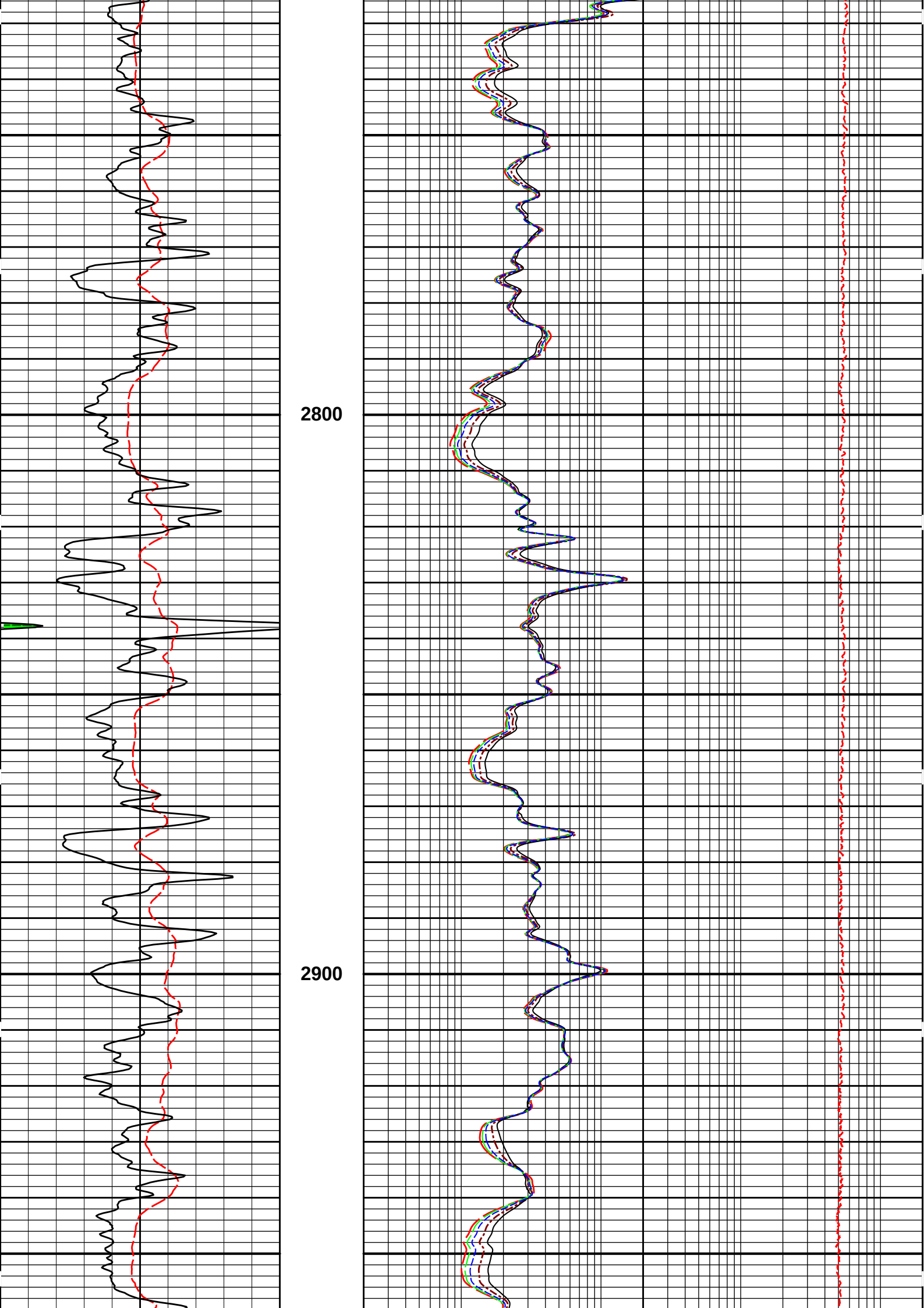

1600
1700

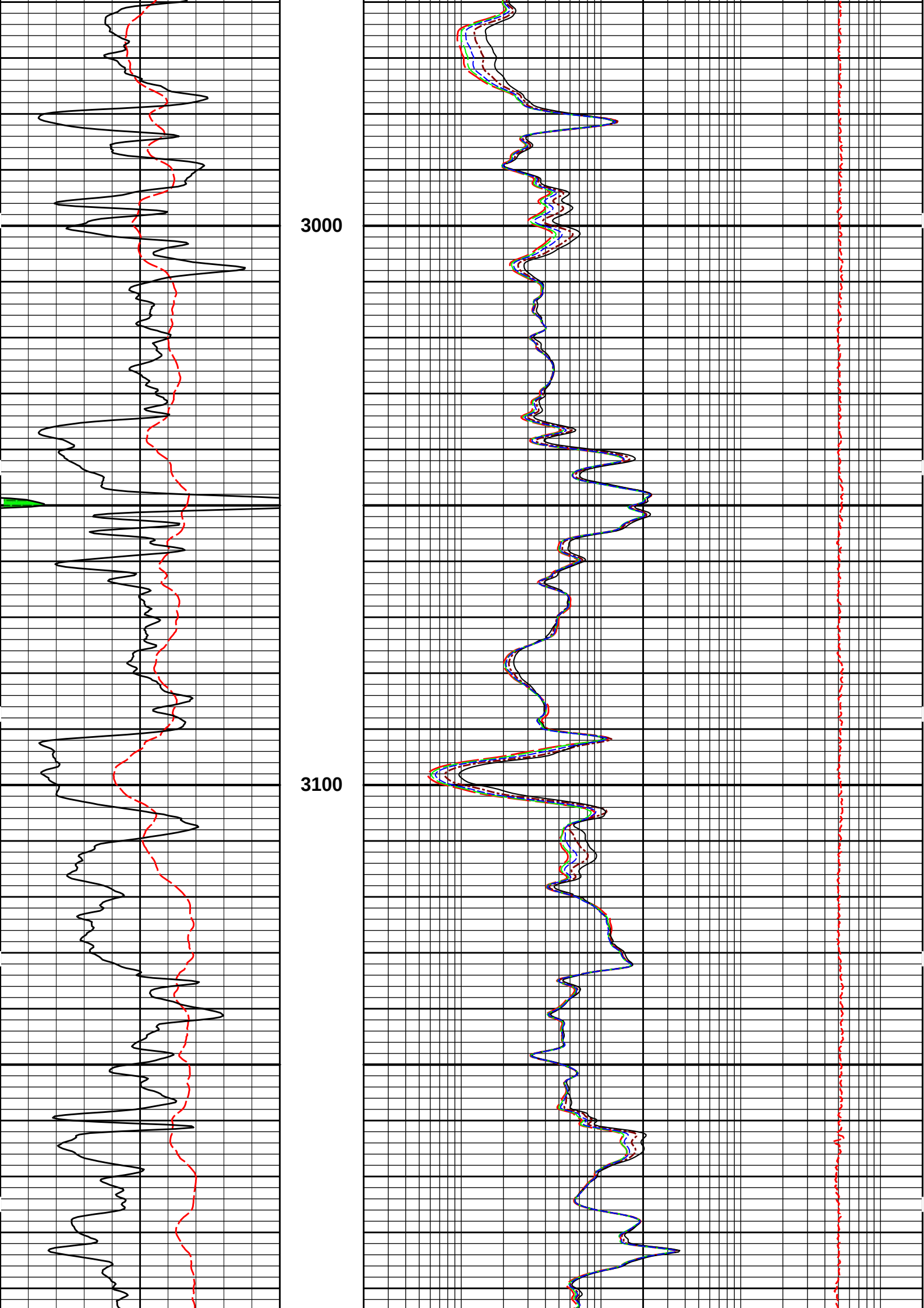

1800
1900
2000

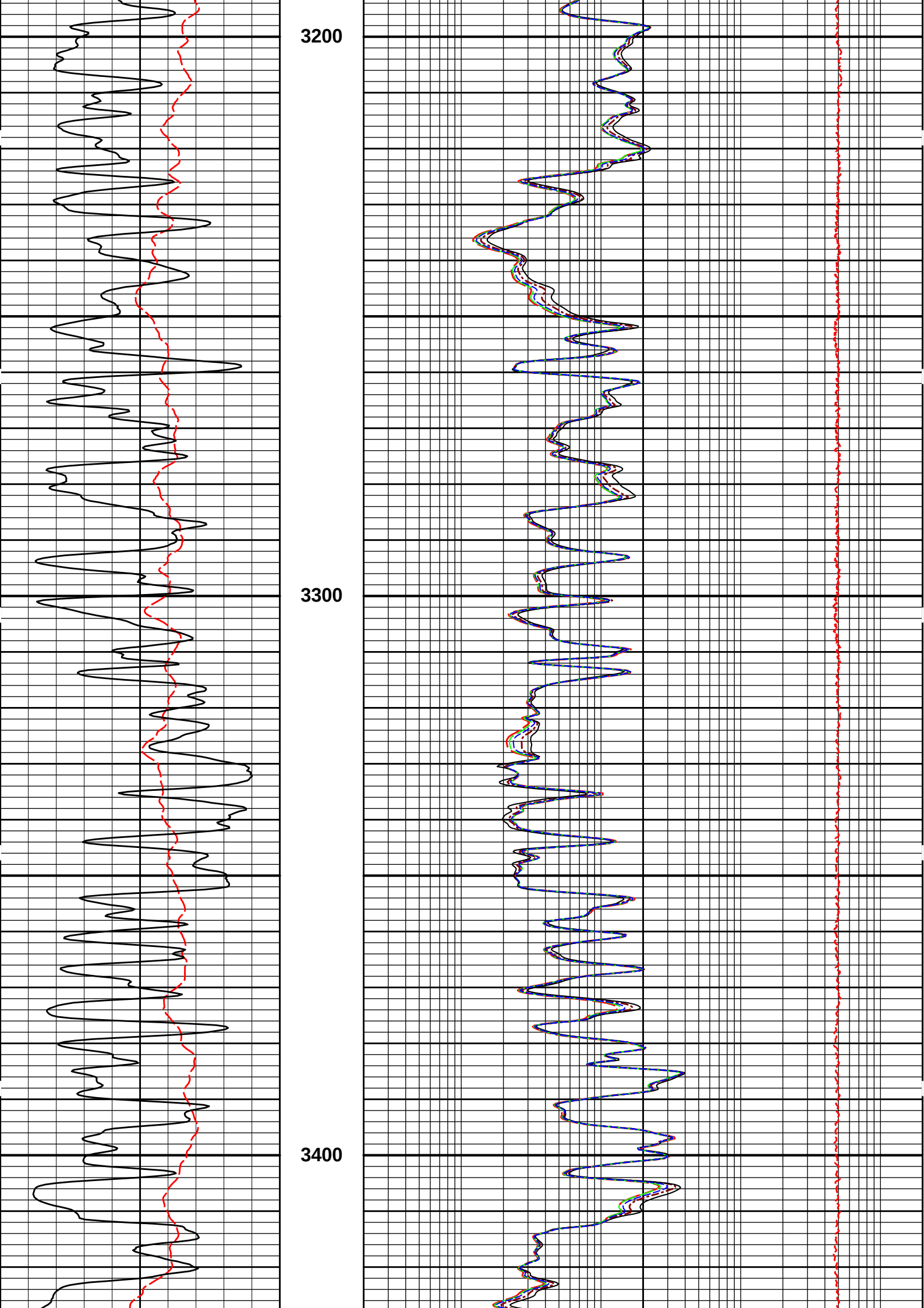

2100
2200

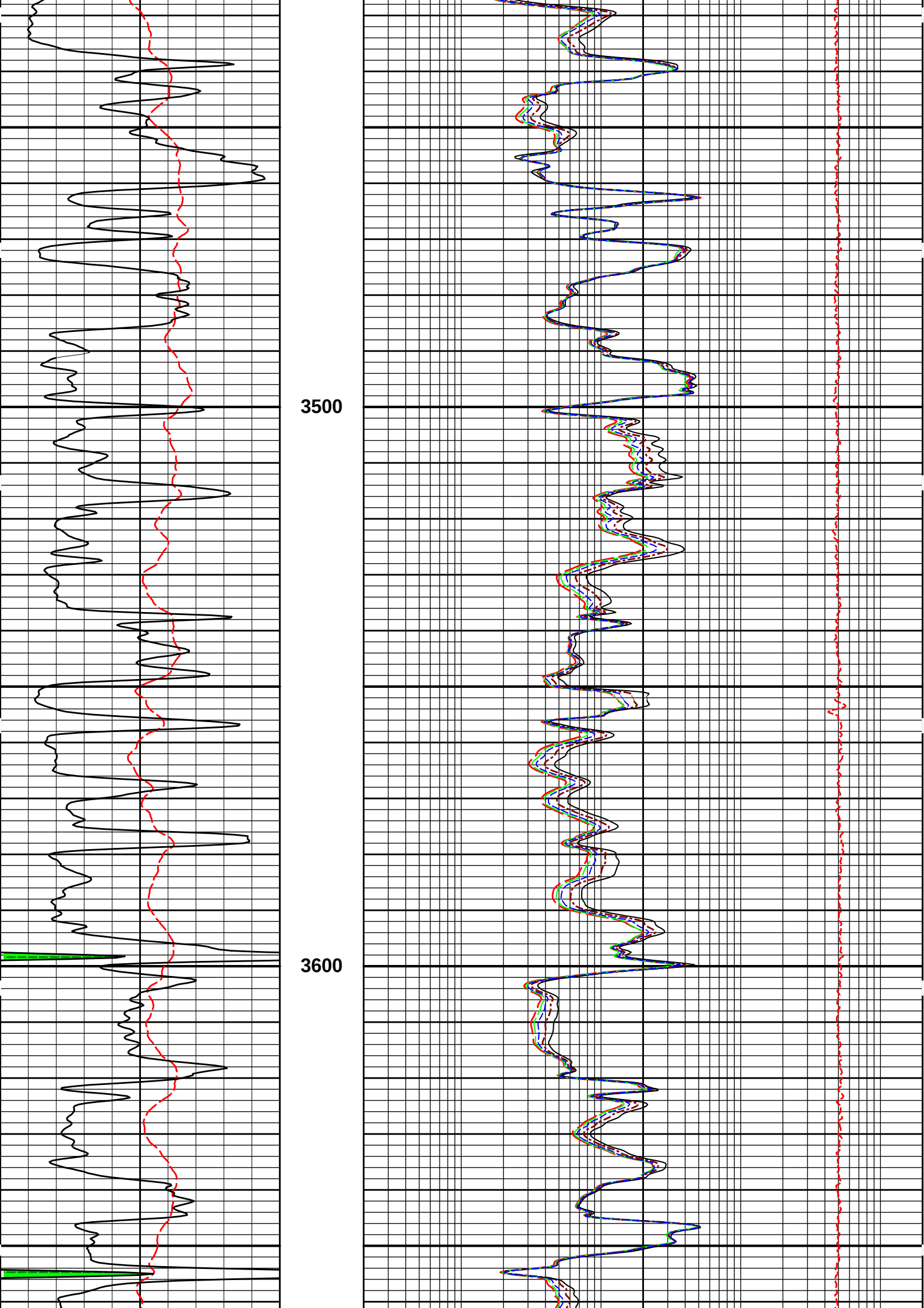

2300
2400

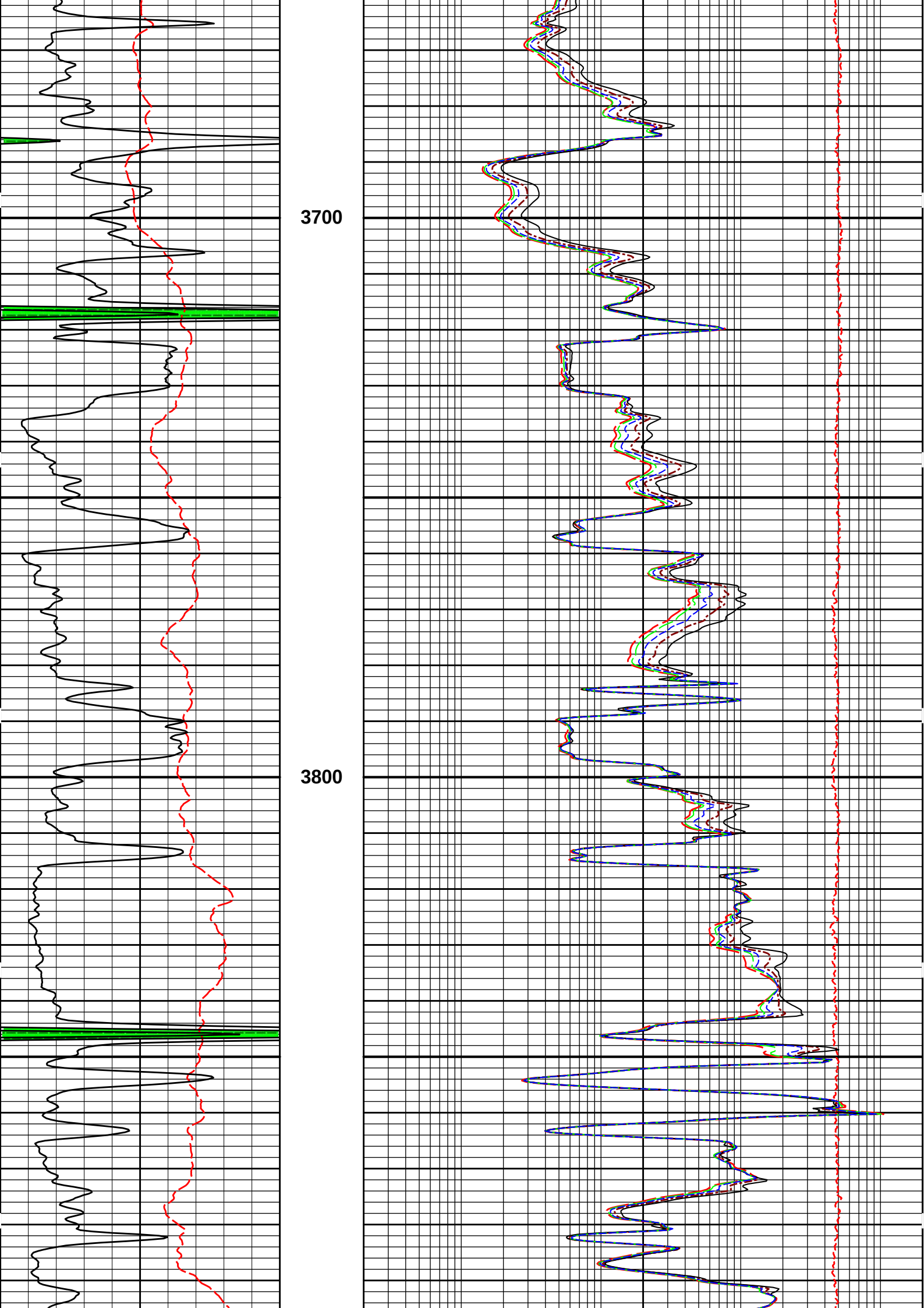

2500
2600
2700

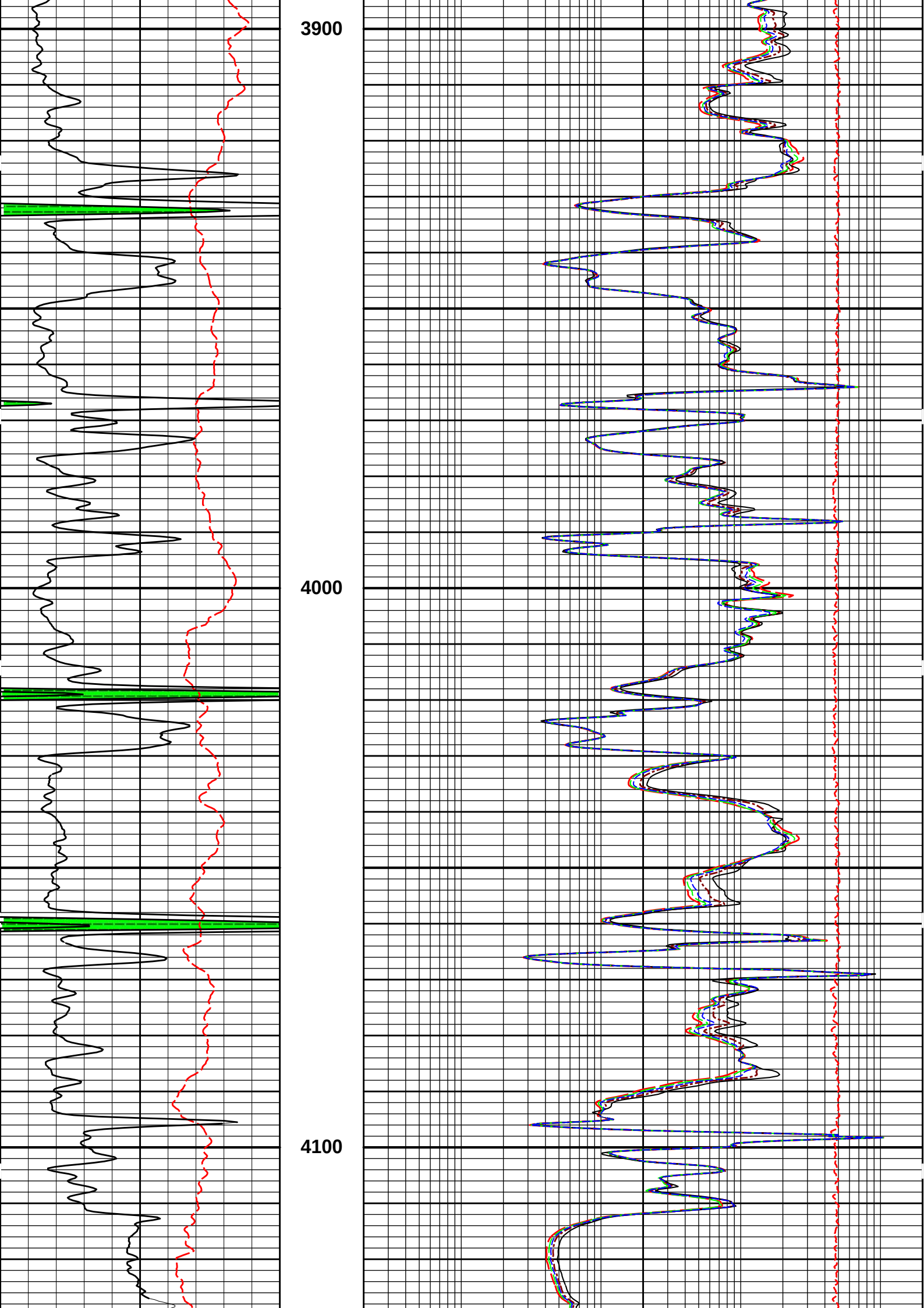

2800
2900

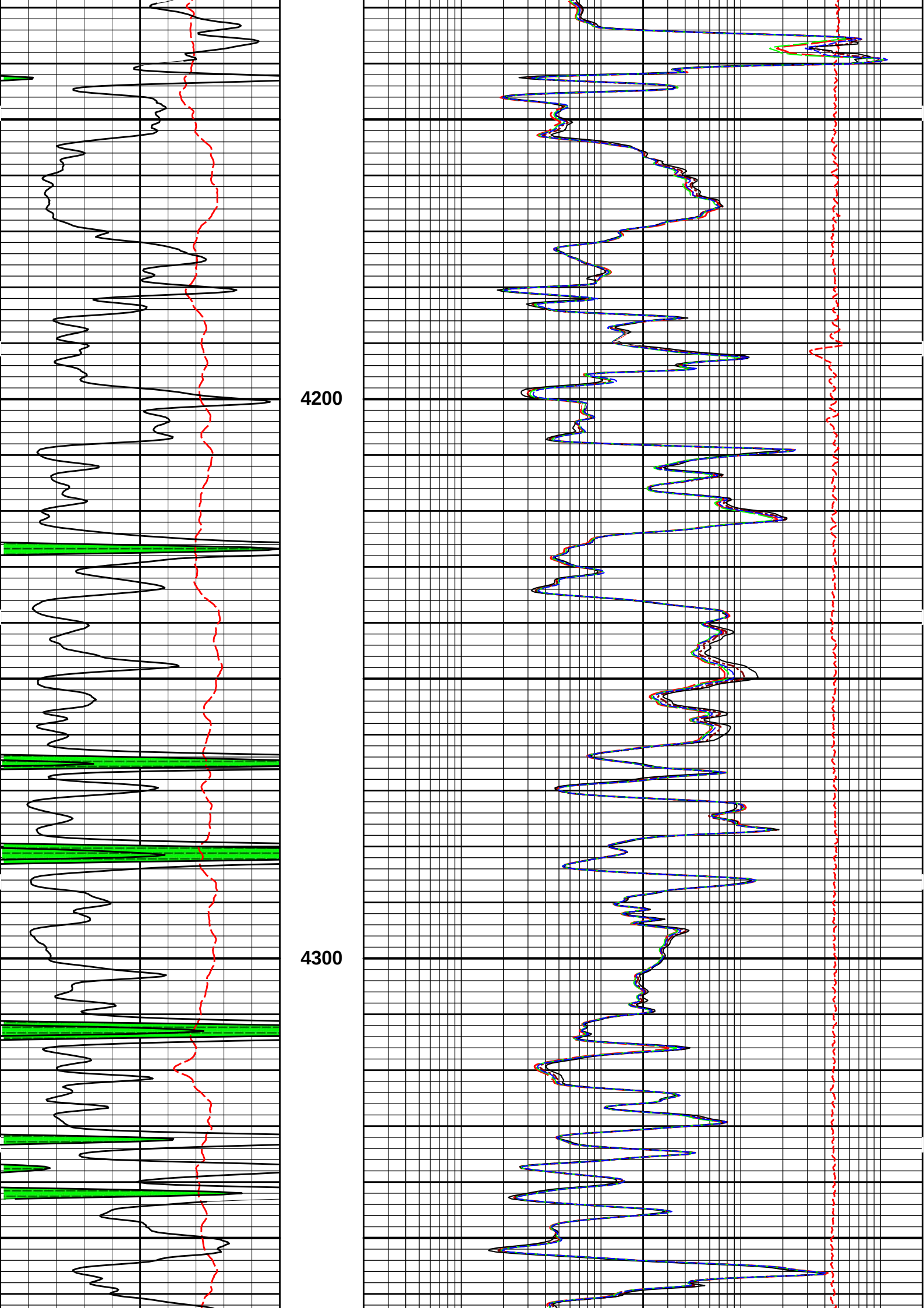

3000
3100

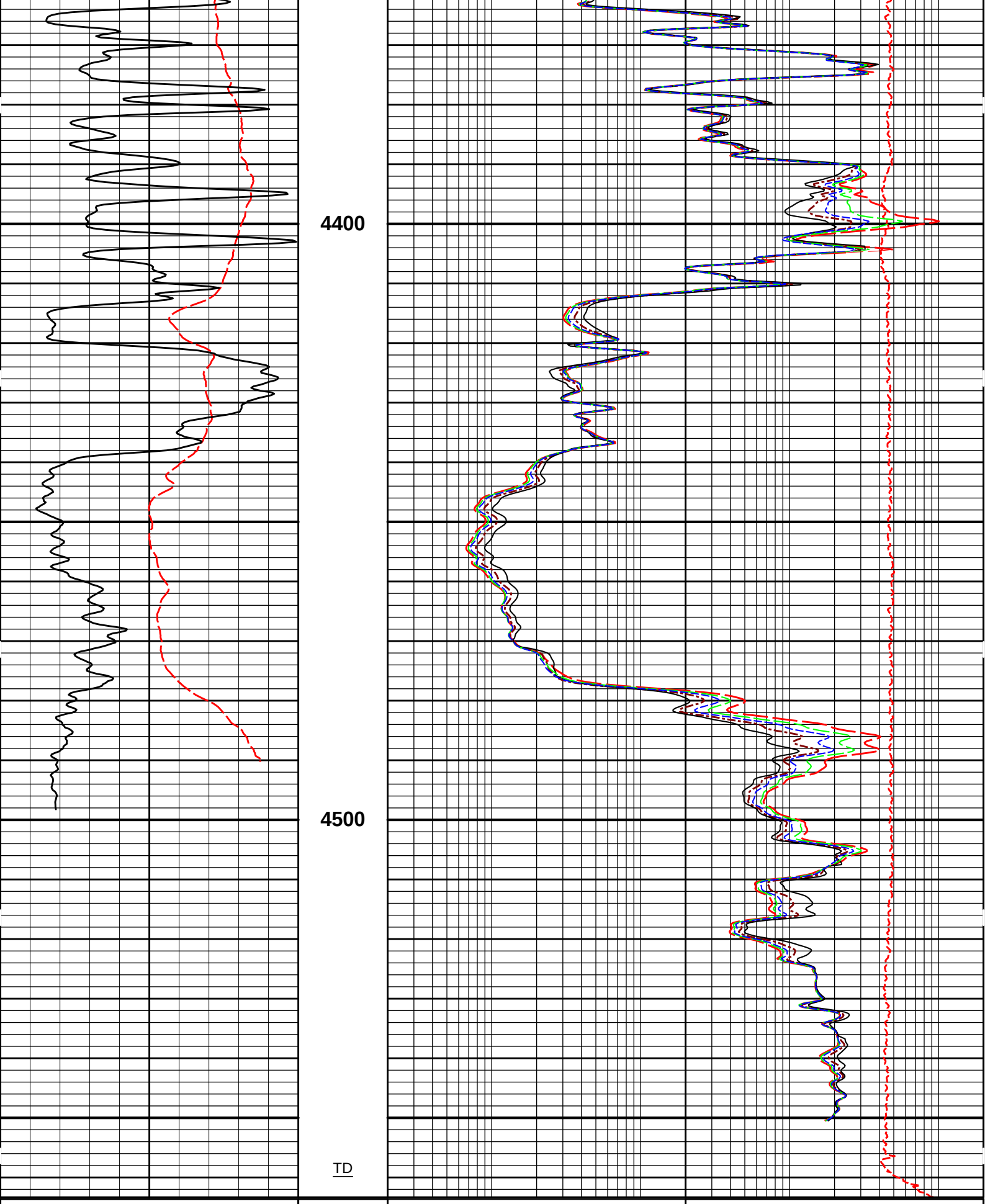

3200
3300
3400


3500
3600


3700
3800


3900
4000
4100


4200
4300



SP

-]20[+

0 Gamma API 150

api

SHALE

MD
1 : 240
ft

10K Tension 0

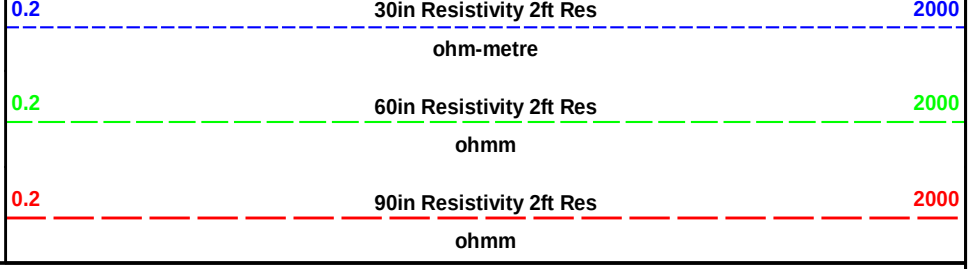
pounds

0.2 10in Resistivity 2ft Res 2000

ohmm

0.2 20in Resistivity 2ft Res 2000

ohmm



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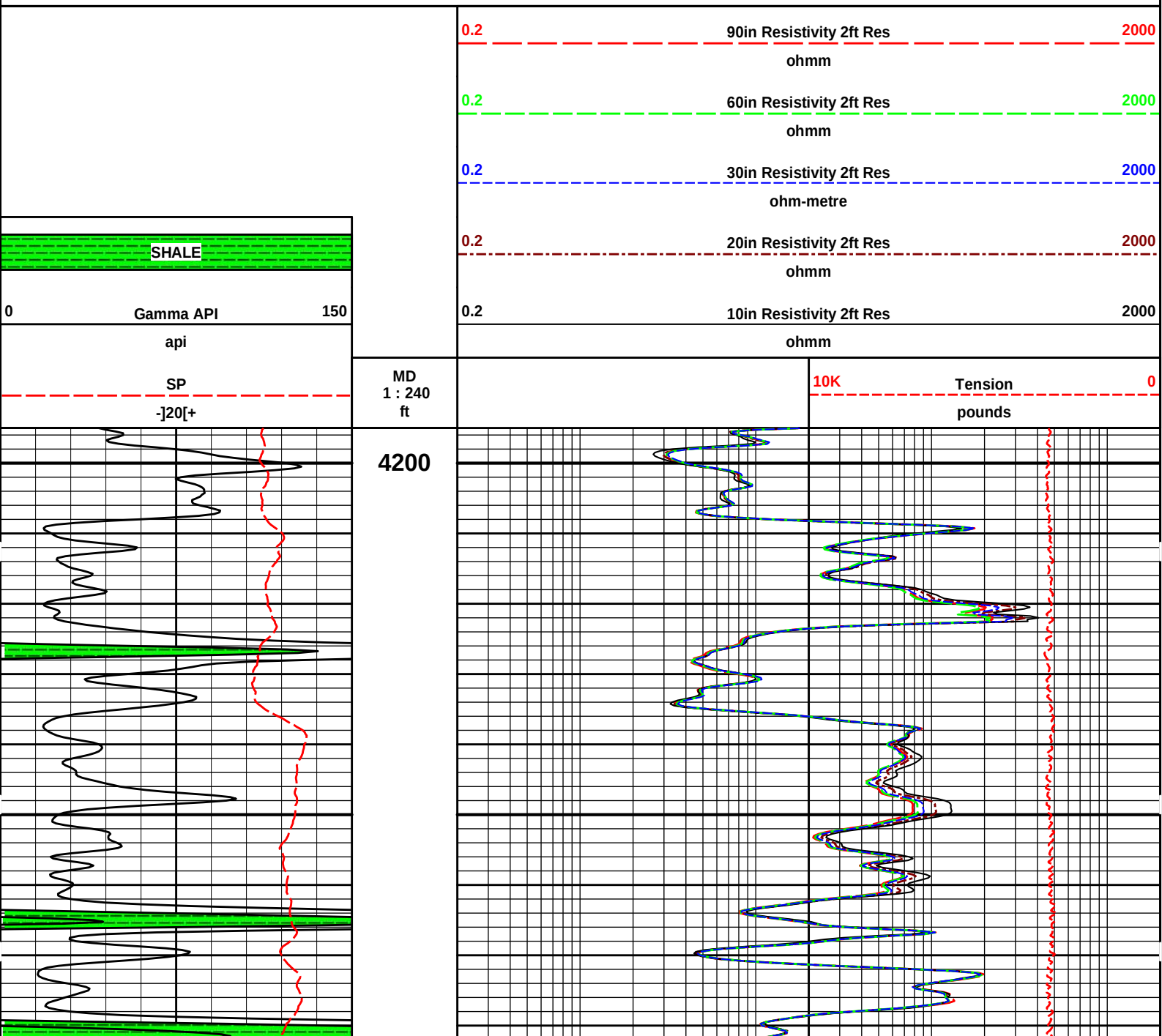
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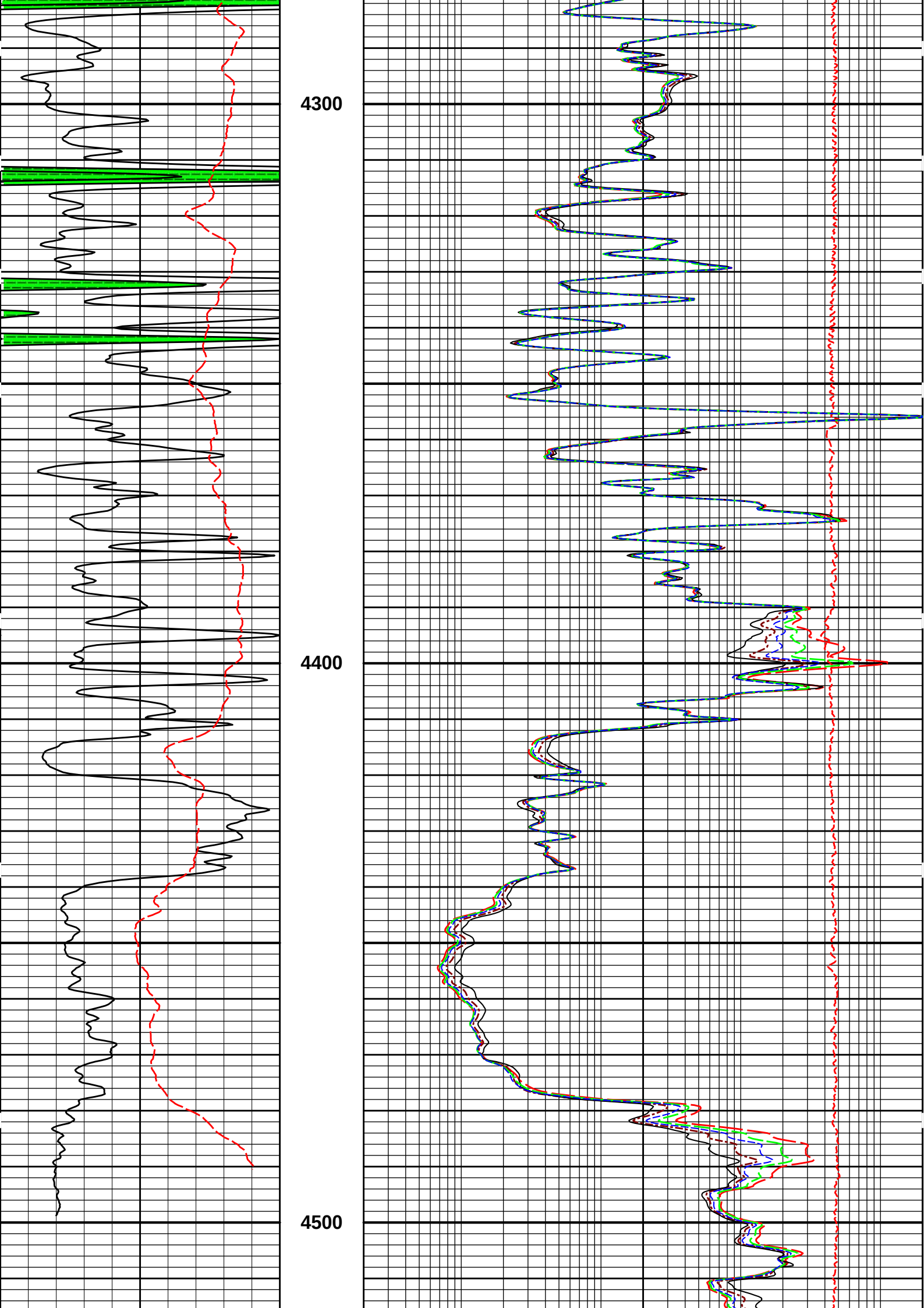
5 INCH MAIN LOG

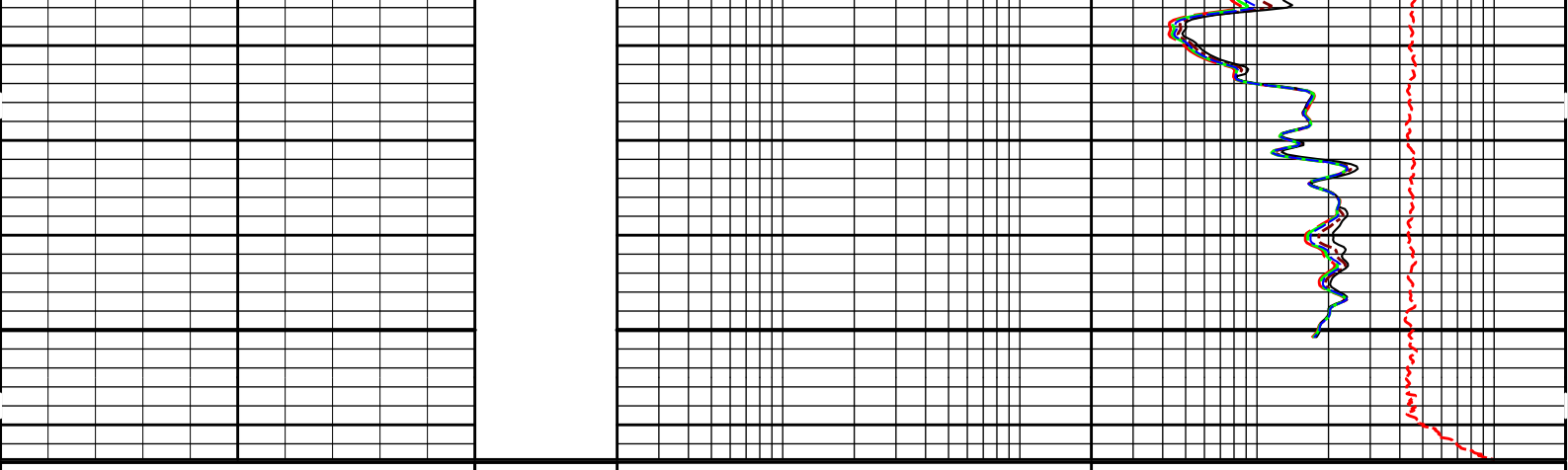
HALLIBURTON

Plot Time: 28-Aug-15 17:01:20
Plot Range: 4195 ft to 4563.67 ft
Data: MCDANIEL_1-12\Well Based\R1 REPEAT\
Plot File: \\-LOCAL-\MCDANIEL_1-12\Well Based\ACRT\ACRT_5_repeat_lib

REPEAT SECTION




4300
4400
4500



SP	MD	10K Tension 0
-]20[+	1 : 240 ft	pounds
0 Gamma API 150		0.2 10in Resistivity 2ft Res 2000
api		ohmm
SHALE		0.2 20in Resistivity 2ft Res 2000
		ohmm
		0.2 30in Resistivity 2ft Res 2000
		ohm-metre
		0.2 60in Resistivity 2ft Res 2000
		ohmm
		0.2 90in Resistivity 2ft Res 2000
		ohmm

HALLIBURTON

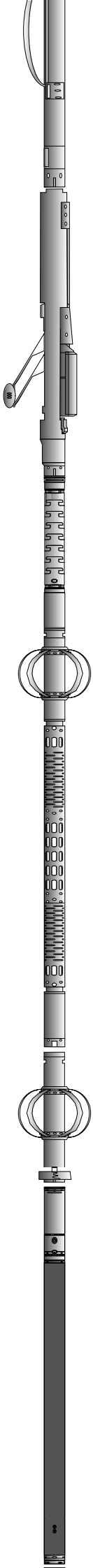
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REPEAT SECTION

HALLIBURTON

TOOL STRING DIAGRAM REPORT

Description	Overbody Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length
Cable Head-12345678 30.00 lbs		Ø 3.625 in →			1.92 ft	75.71 ft
						73.79 ft
SP Sub-12345678 60.00 lbs		Ø 3.625 in →		← SP @ 72.01 ft	3.74 ft	
						70.05 ft
GTET-10811258 165.00 lbs		Ø 3.625 in →		← GammaRay @ 63.99 ft	8.52 ft	
						61.53 ft



DSN Decentralizer-10735145
6.60 lbs

DSNT-10735145
174.00 lbs

Ø 5.000 in*
Ø 3.625 in

9.69 ft

DSN Far @ 54.59 ft
DSN Near @ 53.84 ft

51.84 ft

SDLT-10673803
360.00 lbs

SDLT Pad-10673790
65.00 lbs

Microlog Pad-10673803
8.00 lbs

Ø 4.500 in
Ø 4.750 in*
Ø 4.750 in*

10.81 ft

Microlog @ 44.03 ft
SDL Caliper @ 43.84 ft
SDL @ 43.83 ft

41.03 ft

IQ Flex-00000668
140.00 lbs

Ø 3.625 in

5.67 ft

35.36 ft

Centralizer 25-00000001
8.00 lbs

Ø 4.000 in*

BSAT-10939064
300.00 lbs

Ø 3.625 in

15.77 ft

Sonic Receivers @ 26.84 ft

19.58 ft

Centralizer 25-00000002
8.00 lbs

ACRt Instrument-10929776
50.00 lbs

Regal Standoff 6_75-00000001
20.00 lbs

Ø 4.000 in*
Ø 3.625 in
Ø 6.750 in*

5.03 ft

14.55 ft

Mud Resistivity @ 13.19 ft

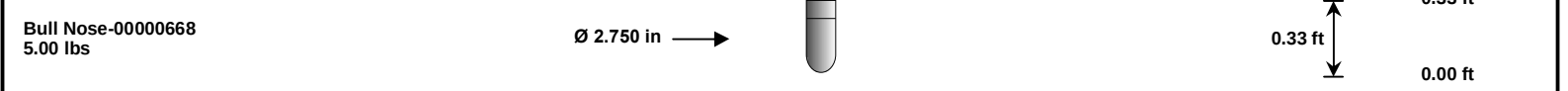
ACRt @ 9.21 ft

ACRt Sonde-10929775
200.00 lbs

Ø 3.625 in

14.22 ft

0.33 ft



Mnemonic	Tool Name	Serial Number	Weight (lbs)	Length (ft)		Accumulated Length (ft)	Max.Log. Speed (fpm)
CH	Standard OH Cable Head	12345678	30.00	1.92		73.79	300.00
SP	SP Sub	12345678	60.00	3.74		70.05	300.00
GTET	Gamma Telemetry Tool	10811258	165.00	8.52		61.53	60.00
DSNT	Dual Spaced Neutron	10735145	174.00	9.69		51.84	60.00
DCNT	DSN Decentralizer	10735145	6.60	5.13	*	55.17	300.00
SDLT	Spectral Density Tool	10673803	360.00	10.81		41.03	60.00
SDLP	Density Insite Pad	10673790	65.00	2.55	*	43.24	60.00
MICP	Microlog Pad	10673803	8.00	1.00	*	43.53	60.00
IQF	IQ Flex tool	00000668	140.00	5.67		35.36	300.00
BSAT	Borehole Sonic Array Tool	10939064	300.00	15.77		19.58	60.00
OBCEN	Centralizer - 25 in. Overbody	00000001	8.00	2.08	*	32.60	300.00
ACRt	Array Compensated True Resistivity Instrument Section	10929776	50.00	5.03		14.55	120.00
RSOF	Regal Standoff 6.75in	00000001	20.00	0.52	*	14.71	300.00
OBCEN	Centralizer - 25 in. Overbody	00000002	8.00	2.08	*	16.19	300.00
ACRt	Array Compensated True Resistivity Sonde Section	10929775	200.00	14.22		0.33	120.00
BLNS	Bull Nose	00000668	5.00	0.33		0.00	300.00
Total			**1,599.60**	**75.71**			

* Not included in Total Length and Length Accumulation.

Data: MCDANIEL_1-12\0001 QUAD\IDLE **Date: 28-Aug-15 13:59:26**

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PARAMETERS REPORT

Depth (ft)	Tool Name	Mnemonic	Description	Value	Units
TOP					
	SHARED	BS	Bit Size	7.875	in
	SHARED	UBS	Use Bit Size instead of Caliper for all applications.	No	
	SHARED	MDBS	Mud Base	Water	
	SHARED	MDWT	Borehole Fluid Weight	9.200	ppg
	SHARED	WAGT	Weighting Agent	Natural	
	SHARED	BSAL	Borehole salinity	11000.00	ppm
	SHARED	FSAL	Formation Salinity NaCl	0.00	ppm
	SHARED	KPCT	Percent K in Mud by Weight?	0.00	%
	SHARED	RMUD	Mud Resistivity	0.465	ohmm
	SHARED	TRM	Temperature of Mud	81.0	degF
	SHARED	CSD	Logging Interval is Cased?	No	
	SHARED	ICOD	AHV Casing OD	5.500	in
	SHARED	ST	Surface Temperature	75.0	degF
	SHARED	TD	Total Well Depth	4560.00	ft
	SHARED	BHT	Bottom Hole Temperature	130.0	degF
	SHARED	SVTM	Navigation and Survey Master Tool	NONE	
	SHARED	AZTM	High Res Z Accelerometer Master Tool	GTET	
	SHARED	TEMM	Temperature Master Tool	NONE	
	Rwa / CrossPlot	XPOK	Process Crossplot?	Yes	
	Rwa / CrossPlot	FCHO	Select Source of F	Automatic	
	Rwa / CrossPlot	AFAC	Archie A factor	0.6200	
	Rwa / CrossPlot	MFAC	Archie M factor	2.1500	
	Rwa / CrossPlot	RMFR	Rmf Reference	0.10	ohmm
	Rwa / CrossPlot	TMFR	Rmf Ref Temp	75.00	degF
	Rwa /				

Rwa / CrossPlot	RWA	Resistivity of Formation Water	0.05	ohmm
Rwa / CrossPlot	ADP	Use Air Porosity to calculate CrossplotPhi	No	
Rwa / CrossPlot	BHSM	Borehole Size Source Tool	SDLT	
GTET	GROK	Process Gamma Ray?	Yes	
GTET	GRSO	Gamma Tool Standoff	0.000	in
GTET	GEOK	Process Gamma Ray EVR?	No	
GTET	TPOS	Tool Position for Gamma Ray Tools.	Eccentered	
GTET	BHSM	Borehole Size Source Tool	SDLT	
DSNT	DNOK	Process DSN?	Yes	
DSNT	DEOK	Process DSN EVR?	No	
DSNT	NLIT	Neutron Lithology	Limestone	
DSNT	DNSO	DSN Standoff - 0.25 in (6.35 mm) Recommended	0.250	in
DSNT	DNTP	Temperature Correction Type	None	
DSNT	DPRS	DSN Pressure Correction Type	None	
DSNT	SHCO	View More Correction Options	No	
DSNT	UTVD	Use TVD for Gradient Corrections?	No	
DSNT	LHWT	Logging Horizontal Water Tank?	No	
DSNT	BHSM	Borehole Size Source Tool	SDLT	
SDLT	CLOK	Process Caliper Outputs?	Yes	
SDLT Pad	DNOK	Process Density?	Yes	
SDLT Pad	DNOK	Process Density EVR?	No	
SDLT Pad	CB	Logging Calibration Blocks?	No	
SDLT Pad	SPVT	SDLT Pad Temperature Valid?	Yes	
SDLT Pad	DTWN	Disable temperature warning	No	
SDLT Pad	DMA	Formation Density Matrix	2.710	g/cc
SDLT Pad	DFL	Formation Density Fluid	1.000	g/cc
SDLT Pad	BHSM	Borehole Size Source Tool	SDLT	
Microlog Pad	MLOK	Process MicroLog Outputs?	Yes	
BSAT	MBOK	Compute BCAS Results?	Yes	
BSAT	FLLO	Frequency Filter Low Pass Value?	5000	Hz
BSAT	FLHI	Frequency Filter High Pass Value?	27000	Hz
BSAT	DTFL	Delta -T Fluid	189.00	uspf
BSAT	DTMT	Delta -T Matrix Type	User define	
BSAT	DTMA	Delta -T Matrix	47.60	uspf
BSAT	DTSH	Delta -T Shale	100.00	uspf
BSAT	SPEQ	Acoustic Porosity Equation	Wylie	
ACRt Sonde	RTOK	Process ACRt?	Yes	
ACRt Sonde	MNSO	Minimum Tool Standoff	1.50	in
ACRt Sonde	TCS1	Temperature Correction Source	FP Lwr & FP Upr	
ACRt Sonde	TPOS	Tool Position	Free Hanging	
ACRt Sonde	RMOP	Rmud Source	Mud Cell	
ACRt Sonde	RMIN	Minimum Resistivity for MAP	0.20	ohmm
ACRt Sonde	RMIN	Maximum Resistivity for MAP	200.00	ohmm
ACRt Sonde	THQY	Threshold Quality	0.50	
ACRt Sonde	MRFX	Fixed mud resistivity	2000	ohmm
ACRt Sonde	BHSM	Borehole Size Source Tool	SDLT	
ACRt Sonde	MBFL	Apply Corkscrew Effect?	No	

BOTTOM

Data: MCDANIEL_1-12\0001 QUAD\005 28-Aug-15 15:11 Up @4563.5f **Date: 28-Aug-15 15:40:46**

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CALIBRATION REPORT

NATURAL GAMMA RAY TOOL SHOP CALIBRATION

Tool Name: GTET - 10811258 **Reference Calibration Date:** 29-Jul-15 19:42:51

Engineer:	**SHELDON INGERSOLL**	**Calibration Date:**	**27-Aug-15 10:08:00**
Software Version:	**WL INSITE R4.6.4 (Build 3)**	**Calibration Version:**	**1**

Calibrator Source S/N: TB-185

Calibrator API Reference:228.00 api

Equivalent Calibrator API Reference:232.0 api

Measurement	Measured	Calibrated	Units
Background	46.3	45.8	api
Background + Calibrator	281.1	277.8	api
Calibrator	234.7	232.0	api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION

Tool Name:	**GTET - 10811258**	**Reference Calibration Date:**	**27-Aug-15 10:08:00**
Engineer:	**SHELDON INGERSOLL**	**Calibration Date:**	**27-Aug-15 10:15:04**
Software Version:	**WL INSITE R4.6.4 (Build 3)**	**Calibration Version:**	**1**

Calibrator Source S/N: TB-185

Calibrator API Reference:228.00 api

Equivalent Calibrator API Reference:232.0 api

Field Verification	Shop	Field	Units
Background	45.8	45.9	api
Background + Calibrator	277.8	280.7	api
Calibrator	232.0	234.9	api

Shop	Field	Difference	Tolerance
232.0	234.9	-2.9	+/- 9.00

ARRAY COMPENSATED TRUE RESISTIVITY SHOP CALIBRATION

Tool Name:	**ACRt Sonde - 10929775**	**Reference Calibration Date:**	**08-Jul-15 10:14:34**
Engineer:	**SHELDON INGERSOLL**	**Calibration Date:**	**05-Aug-15 09:14:18**
Software Version:	**WL INSITE R4.6.4 (Build 3)**	**Calibration Version:**	**1**
Host Tool Name:	**ACRt Instrument - 10929776**		

TYPICAL GAIN RANGE

Subarray	R12KHz			R36KHz			R72KHz		
	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper
A1 (80")	0.95	1.0174	1.05	0.95	1.0152	1.05	0.95	1.0096	1.05
A2 (50")	0.95	1.0256	1.05	0.95	1.0238	1.05	0.95	1.0202	1.05
A3 (29")	0.95	1.0158	1.05	0.95	1.0116	1.05	0.95	1.0069	1.05
A4 (17")	0.95	1.0161	1.05	0.95	1.0111	1.05	0.95	1.0098	1.05
A5 (10")	N/A	N/A	N/A	0.95	1.0092	1.05	0.95	1.0079	1.05
A6 (6")	N/A	N/A	N/A	0.95	1.0018	1.05	0.95	1.0005	1.05

SONDE OFFSET

Subarray	R12KHz	R36KHz	R72KHz
	(mmho/m)	(mmho/m)	(mmho/m)
A1 (80")	-1.263	-4.288	-4.569
A2 (50")	-2.595	-4.204	-4.414
A3 (29")	-14.834	-4.725	-2.983
A4 (17")	-105.070	-32.578	-25.402
A5 (10")	N/A	-118.132	-54.532
A6 (6")	N/A	273.641	137.648

TRANSMITTER CURRENT GAIN

Signal	Lower	R	Upper
12K	0.6	0.87	1.3

R-MUD VERIFICATION

Signal	Lower (ohm-m)	Measured (ohm-m)	Upper (ohm-m)
Mud Cell	0.95	0.99	1.05

36K	1.0	1.19	2.0
72K	1.0	1.47	2.0

PASS/FAIL SUMMARY	
GAIN RANGE CHK	PASS
SONDE OFFSET CHK	PASS

TOOL OK TO LOG

CALIBRATION SUMMARY

Sensor	Shop	Field	Post	Difference	Tolerance	Units
GTET-10811258						
Gamma Ray Calibrator	232.0	234.9	----------	-2.9	+/- 9.00	api
ACRt Sonde-10929775						
Mud Cell	0.99	----------	----------	0.00	----------	ohm-m

Data: MCDANIEL_1-12\0001 QUAD\005 28-Aug-15 15:11 Up @4563.5f **Date: 28-Aug-15 15:42:54**

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INPUTS, DELAYS AND FILTERS TABLE

Mnemonic	Input Description	Delay (ft)	Filter Type	Filter Length (ft)
Depth Panel				
TENS	Tension	0.00	NO	
Rwa / CrossPlot				
TPUL	Tension Pull	75.71	NO	
BS	Bit Size	75.71	NO	
HDIA	Measured Hole Diameter	0.00	NO	
SP Sub				
PLTC	Plot Control Mask	72.01	NO	
SP	Spontaneous Potential	72.01	BLK	1.250
SPR	Raw Spontaneous Potential	72.01	NO	
SPO	Spontaneous Potential Offset	72.01	NO	
GTET				
TPUL	Tension Pull	63.99	NO	
GR	Natural Gamma Ray API	63.99	TRI	1.750
GRU	Unfiltered Natural Gamma Ray API	63.99	NO	
EGR	Natural Gamma Ray API with Enhanced Vertical Resolution	63.99	W	1.416 , 0.750
HDIA	Measured Hole Diameter	0.00	NO	
ACCZ	Accelerometer Z	0.00	BLK	0.083
DEVI	Inclination	0.00	NO	
DSNT				
TPUL	Tension Pull	53.74	NO	
RNDS	Near Detector Telemetry Counts	53.84	BLK	1.417
RFDS	Far Detector Telemetry Counts	54.59	TRI	0.583
DNTT	DSN Tool Temperature	53.84	NO	
DSNS	DSN Tool Status	53.74	NO	
ERND	Near Detector Telemetry Counts EVR	53.84	BLK	0.000
ERFD	Far Detector Telemetry Counts EVR	54.59	BLK	0.000
ENTM	DSN Tool Temperature EVR	53.84	NO	
HDIA	Measured Hole Diameter	0.00	NO	
SDLT				

TPUL	Tension Pull	43.84	NO	
PCAL	Pad Caliper	43.84	TRI	0.250
ACAL	Arm Caliper	43.84	TRI	0.250
	BSAT			
TPUL	Tension Pull	26.84	NO	
STAT	Status	26.84	NO	
DLYT	Delay Time	26.84	NO	
SI	Sample Interval	26.84	NO	
TXRX	Raw Telemetry 10 Receivers	26.84	NO	
FRMC	Tool Frame Count	26.84	NO	
GMOD	Gain processing mode	19.58	NO	
	ACRt Sonde			
TPUL	Tension Pull	2.73	NO	
F1R1	ACRT 12KHz - 80in R value	8.98	BLK	0.000
F1X1	ACRT 12KHz - 80in X value	8.98	BLK	0.000
F1R2	ACRT 12KHz - 50in R value	6.48	BLK	0.000
F1X2	ACRT 12KHz - 50in X value	6.48	BLK	0.000
F1R3	ACRT 12KHz - 29in R value	4.98	BLK	0.000
F1X3	ACRT 12KHz - 29in X value	4.98	BLK	0.000
F1R4	ACRT 12KHz - 17in R value	3.98	BLK	0.000
F1X4	ACRT 12KHz - 17in X value	3.98	BLK	0.000
F1R5	ACRT 12KHz - 10in R value	3.48	BLK	0.000
F1X5	ACRT 12KHz - 10in X value	3.48	BLK	0.000
F1R6	ACRT 12KHz - 6in R value	3.23	BLK	0.000
F1X6	ACRT 12KHz - 6in X value	3.23	BLK	0.000
F2R1	ACRT 36KHz - 80in R value	8.98	BLK	0.000
F2X1	ACRT 36KHz - 80in X value	8.98	BLK	0.000
F2R2	ACRT 36KHz - 50in R value	6.48	BLK	0.000
F2X2	ACRT 36KHz - 50in X value	6.48	BLK	0.000
F2R3	ACRT 36KHz - 29in R value	4.98	BLK	0.000
F2X3	ACRT 36KHz - 29in X value	4.98	BLK	0.000
F2R4	ACRT 36KHz - 17in R value	3.98	BLK	0.000
F2X4	ACRT 36KHz - 17in X value	3.98	BLK	0.000
F2R5	ACRT 36KHz - 10in R value	3.48	BLK	0.000
F2X5	ACRT 36KHz - 10in X value	3.48	BLK	0.000
F2R6	ACRT 36KHz - 6in R value	3.23	BLK	0.000
F2X6	ACRT 36KHz - 6in X value	3.23	BLK	0.000
F3R1	ACRT 72KHz - 80in R value	8.98	BLK	0.000
F3X1	ACRT 72KHz - 80in X value	8.98	BLK	0.000
F3R2	ACRT 72KHz - 50in R value	6.48	BLK	0.000
F3X2	ACRT 72KHz - 50in X value	6.48	BLK	0.000
F3R3	ACRT 72KHz - 29in R value	4.98	BLK	0.000
F3X3	ACRT 72KHz - 29in X value	4.98	BLK	0.000
F3R4	ACRT 72KHz - 17in R value	3.98	BLK	0.000
F3X4	ACRT 72KHz - 17in X value	3.98	BLK	0.000
F3R5	ACRT 72KHz - 10in R value	3.48	BLK	0.000
F3X5	ACRT 72KHz - 10in X value	3.48	BLK	0.000
F3R6	ACRT 72KHz - 6in R value	3.23	BLK	0.000
F3X6	ACRT 72KHz - 6in X value	3.23	BLK	0.000
RMUD	Mud Resistivity	12.52	BLK	0.000
F1RT	Transmitter Reference 12 KHz Real Signal	2.73	BLK	0.000
F1XT	Transmitter Reference 12 KHz Imaginary Signal	2.73	BLK	0.000
F2RT	Transmitter Reference 36 KHz Real Signal	2.73	BLK	0.000
F2XT	Transmitter Reference 36 KHz Imaginary Signal	2.73	BLK	0.000
F3RT	Transmitter Reference 72 KHz Real Signal	2.73	BLK	0.000
F3XT	Transmitter Reference 72 KHz Imaginary Signal	2.73	BLK	0.000
TFPU	Upper Feedpipe Temperature Calculated	2.73	BLK	0.000

TFPL	Lower Feedpipe Temperature Calculated	2.73	BLK	0.000
ITMP	Instrument Temperature	2.73	BLK	0.000
TCVA	Temperature Correction Values Loop Off	2.73	NO	
TIDV	Instrument Temperature Derivative	2.73	NO	
TUDV	Upper Temperature Derivative	2.73	NO	
TLDV	Lower Temperature Derivative	2.73	NO	
TRBD	Receiver Board Temperature	2.73	NO	
HDIA	Measured Hole Diameter	0.00	NO	

SDLT Pad

TPUL	Tension Pull	43.83	NO	
NAB	Near Above	43.66	BLK	0.920
NHI	Near Cesium High	43.66	BLK	0.920
NLO	Near Cesium Low	43.66	BLK	0.920
NVA	Near Valley	43.66	BLK	0.920
NBA	Near Barite	43.66	BLK	0.920
NDE	Near Density	43.66	BLK	0.920
NPK	Near Peak	43.66	BLK	0.920
NLI	Near Lithology	43.66	BLK	0.920
NBAU	Near Barite Unfiltered	43.66	BLK	0.250
NLIU	Near Lithology Unfiltered	43.66	BLK	0.250
FAB	Far Above	44.01	BLK	0.250
FHI	Far Cesium High	44.01	BLK	0.250
FLO	Far Cesium Low	44.01	BLK	0.250
FVA	Far Valley	44.01	BLK	0.250
FBA	Far Barite	44.01	BLK	0.250
FDE	Far Density	44.01	BLK	0.250
FPK	Far Peak	44.01	BLK	0.250
FLI	Far Lithology	44.01	BLK	0.250
PTMP	Pad Temperature	43.84	BLK	0.920
NHV	Near Detector High Voltage	43.24	NO	
FHV	Far Detector High Voltage	43.24	NO	
ITMP	Instrument Temperature	43.24	NO	
DDHV	Detector High Voltage	43.24	NO	
HDIA	Measured Hole Diameter	0.00	NO	

Microlog Pad

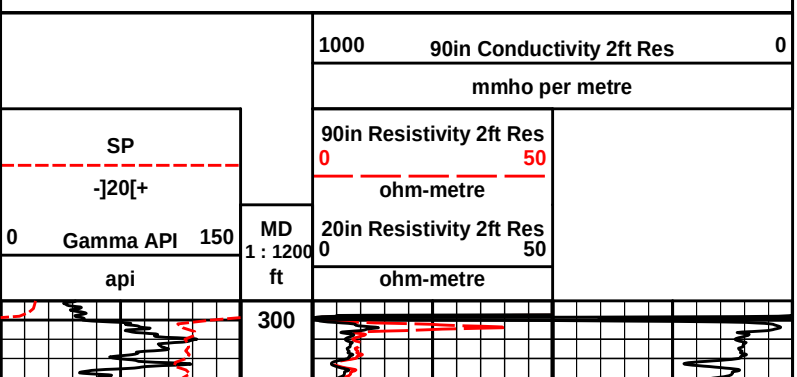
TPUL	Tension Pull	44.03	NO	
MINV	Microlog Lateral	44.03	BLK	0.750
MNOR	Microlog Normal	44.03	BLK	0.750

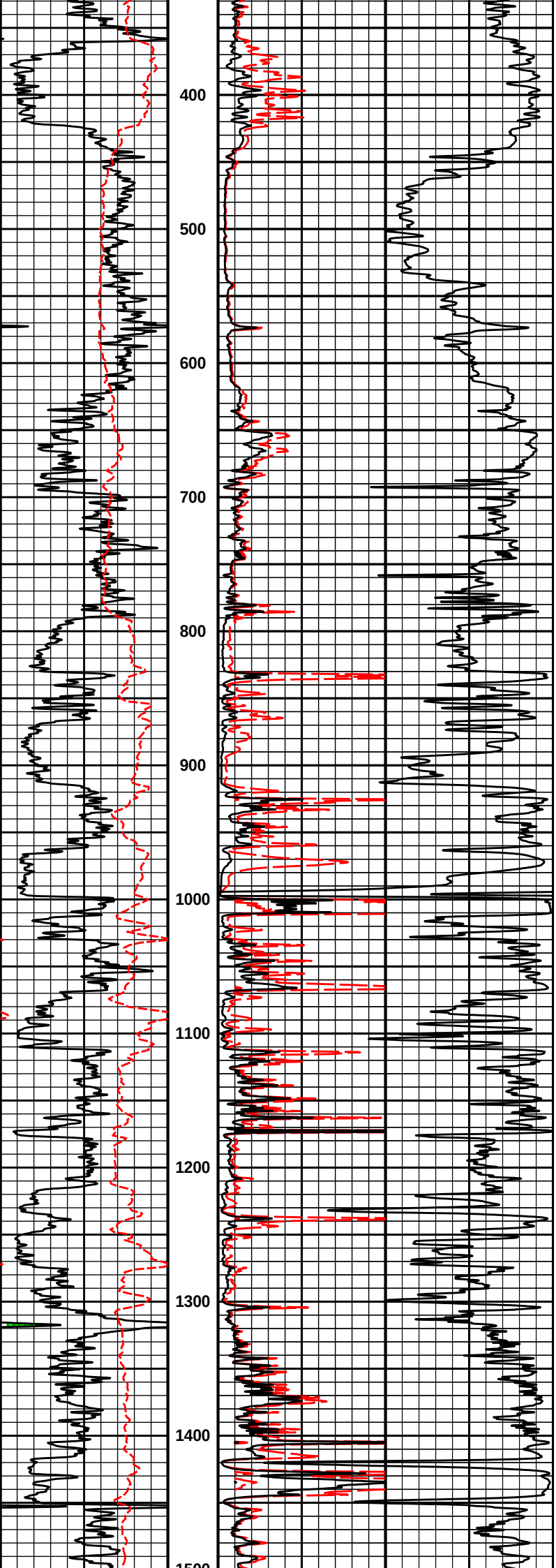
Data: MCDANIEL_1-12\0001 QUAD\005 28-Aug-15 15:11 Up @4563.5f **Date: 28-Aug-15 15:40:13**

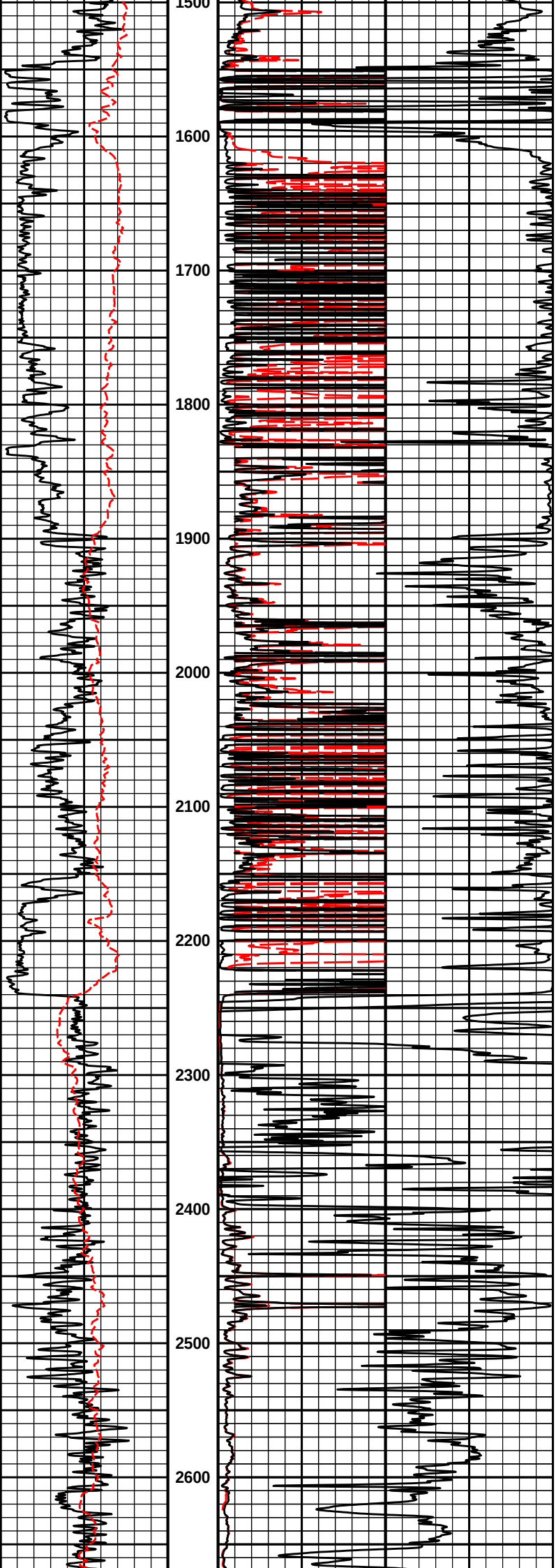
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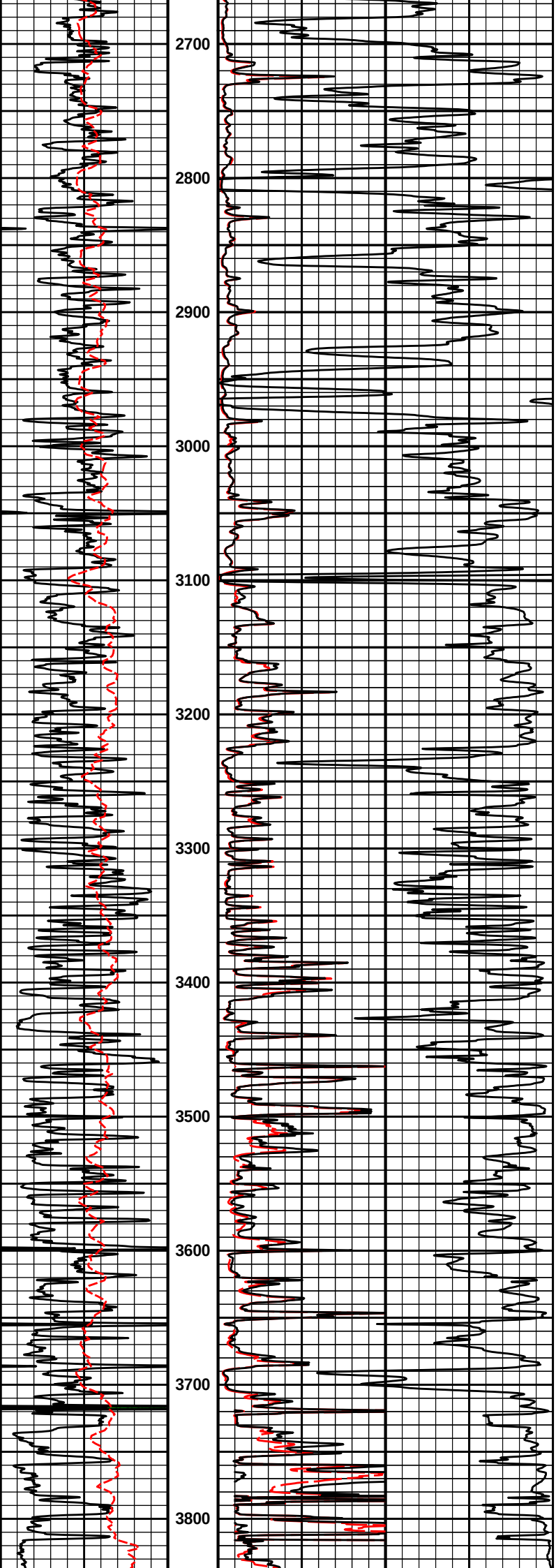
Plot Time: 28-Aug-15 17:01:25
Plot Range: 290 ft to 4550.5 ft
Data: MCDANIEL_1-12\Well Based\R1 CASING
Plot File: \\-LOCAL-\MCDANIEL_1-12\Well Based\ACRT\ACRT_1_lib

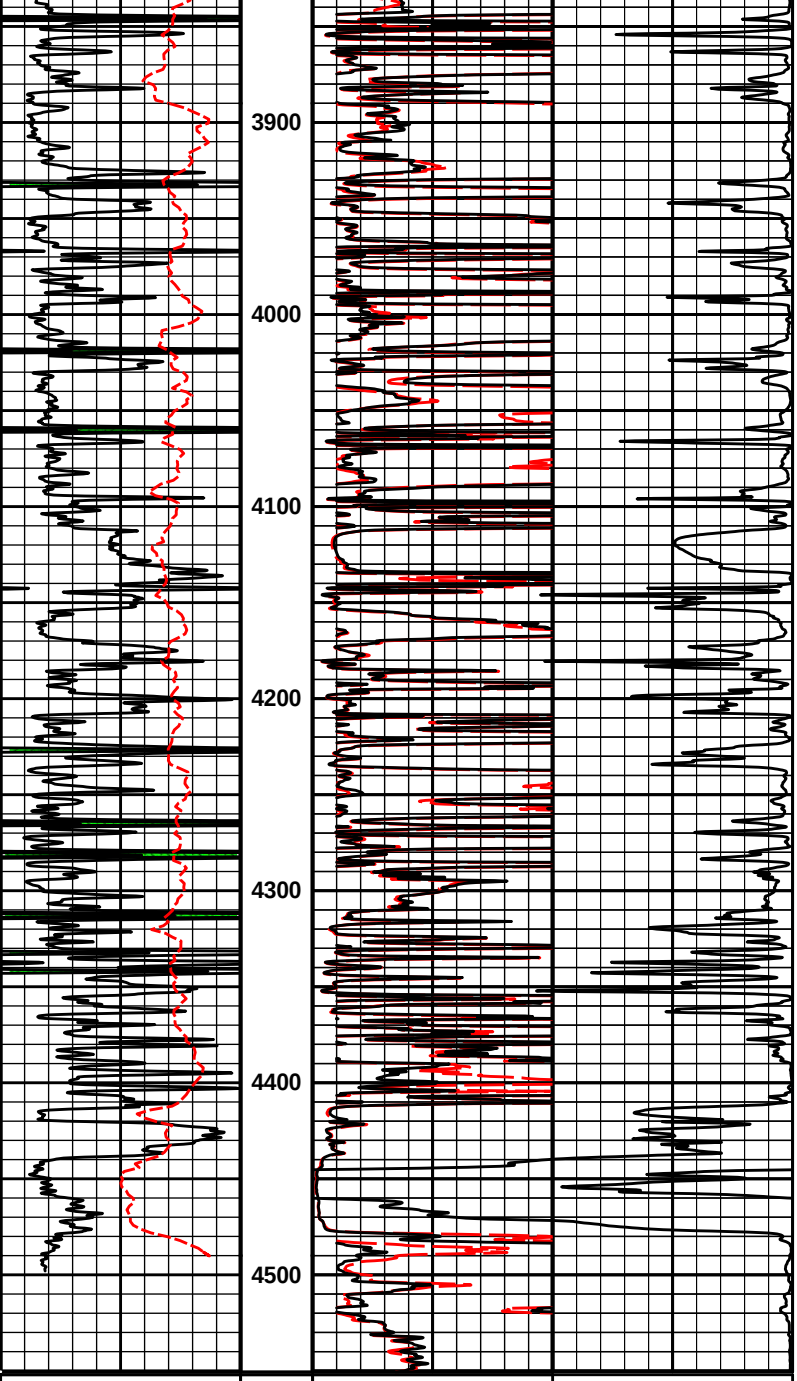
1 INCH MAIN LOG




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3100
3200
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3500
3600
3700
3800



0 Gamma API 150	MD 1 : 1200 ft	20in Resistivity 2ft Res 0 50
api		ohm-metre
SP		90in Resistivity 2ft Res 0 50
-]20[+		ohm-metre
		1000 90in Conductivity 2ft Res 0
		mmho per metre

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Plot Time: 28-Aug-15 17:01:26
Plot Range: 290 ft to 4550.5 ft
Data: MCDANIEL_1-12\Well Based\R1 CASING
Plot File: \\-LOCAL-\MCDANIEL_1-12\Well Based\ACRT\ACRT_1_lib

1 INCH MAIN LOG

COMPANY	**CONCORDE RESOURCES CORP.**		
WELL	**MCDANIEL 1-12**		
FIELD	**WILDCAT**		
COUNTY	**LOGAN**	STATE	**KANSAS**

HALLIBURTON

ARRAY COMPENSATED
TRUE RESISTIVITY
LOG