

Company: SANDRIDGE ENERGY

Well: SARAH 3306 3-28H

Field: STOHRVILLE

County: HARPER

State: KANSAS

**ARRAY INDUCTION
GAMMA RAY
MEMORY LOG**

350' FSL & 1230' FWL

Elev.: K.B. 1324.00 ft

G.L. 1302.00 ft

D.F. 1324.00 ft

Permanent Datum: _____

Elev.: 1302.00 ft

Log Measured From: D.F. _____ 22.00 ft above Perm. Datum

Drilling Measured From: D.F. _____

County: HARPER
Field: STOHRVILLE
Location: 350' FSL & 1230' FWL
Well: SARAH 3306 3-28H
Company: SANDRIDGE ENERGY

LOCATION	GROUND LEVEL	
API Serial No. 15077220660100	Section 28	Township 33S Range 6W

Logging Date 30-Jul-2014

Run Number 1

Depth Driller 9175 ft

Schlumberger Depth 9146 ft

Bottom Log Interval 9135 ft

Top Log Interval 5325 ft

Casing Driller Size @ Depth 7.000 in @ 5325 ft

Casing Schlumberger 5325 ft

Bit Size 6.125 in

Type Fluid In Hole WBM

Density 8.4 lbm/gal

Fluid Loss 60 cm3

Source Of Sample MUD SENSOR

RM @ Measured Temperature 3.300 ohm.m @ 65 degF

RMF @ Measured Temperature 2.800 ohm.m @ 65 degF

RMC @ Measured Temperature 5.310 ohm.m @ 65 degF

Source RMF RMC CALCULATED

RM @ MRT RMF @ MRT 1.592 @ 142 1.351 @ 142

Maximum Recorded Temperatures 142 degF

Circulation Stopped Time 29-Jul-2014 21:10

Logger On Bottom Time 29-Jul-2014 22:18

Unit Number 5 OKC

Recorded By C.PARKER

Witnessed By R.TICHENOR

Run 1

Run 2

Run

Logging Date

Run Number

Depth Driller

Schlumberger Depth

Bottom Log Interval

Top Log Interval

Casing Driller Size @ Depth

Casing Schlumberger

Bit Size

Type Fluid In Hole

Density

Fluid Loss

Source Of Sample

RM @ Measured Temperature

RMF @ Measured Temperature

RMC @ Measured Temperature

Source RMF RMC

RM @ MRT RMF @ MRT

Maximum Recorded Temperatures

Circulation Stopped Time

Logger On Bottom Time

Unit Number

Recorded By

Witnessed By

Run

DISCLAIMER
 THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE OF AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

OTHER SERVICES1
 OS1: TBI-TBD-TBN-TMC
 OS2:
 OS3:
 OS4:
 OS5:

OTHER SERVICES2
 OS1:
 OS2:
 OS3:
 OS4:
 OS5:

REMARKS: RUN NUMBER 1
 SERVICE:HORIZONTAL PUMP DOWN MEMORY BIT DEPTH: 9086' LOGGED TO: 2500'
 ALL SCALES AND PRESENTATIONS PER CLIENT REQUEST
 LIMESTONE MATRIX 2.71 g/cc USED FOR POROSITY MEASUREMENTS
 TOOLSTRING RAN WITH SWIVEL AND SMALL DE-CENTRALIZE
 TBHV REPRESENTS TOTAL BOREHOLE VOLUME, ft3
 ABHV REPRESENTS ANNULAR HOLE COLUME, CALCULATED FOR 4.5" CSG, ft3
 HSPM USED TO ACQUIRE LOG DEPTH: CORRELATED TO MWD GR
 LOSS OF DATA AT 5250' DUE TO BATTERY SWITCH NOT EFFECTIVE
 RIG:LATSHAW 27
 CREW: C.PARKER R.CRESSWELL I.HERNANDEZ

REMARKS: RUN NUMBER 2
 LOGGED TO: 2500'
 ALL SCALES AND PRESENTATIONS PER CLIENT REQUEST
 LIMESTONE MATRIX 2.71 g/cc USED FOR POROSITY MEASUREMENTS
 TOOLSTRING RAN WITH SWIVEL AND SMALL DE-CENTRALIZE
 TBHV REPRESENTS TOTAL BOREHOLE VOLUME, ft3
 ABHV REPRESENTS ANNULAR HOLE COLUME, CALCULATED FOR 4.5" CSG, ft3
 HSPM USED TO ACQUIRE LOG DEPTH: CORRELATED TO MWD GR
 LOSS OF DATA AT 5250' DUE TO BATTERY SWITCH NOT EFFECTIVE
 RIG:LATSHAW 27
 CREW: C.PARKER R.CRESSWELL I.HERNANDEZ

RUN 1		
SERVICE ORDER #:	3078	
PROGRAM VERSION:	19C2-270	
FLUID LEVEL:	0 ft	
LOGGED INTERVAL	START	STOP

RUN 2		
SERVICE ORDER #:		
PROGRAM VERSION:		
FLUID LEVEL:		
LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

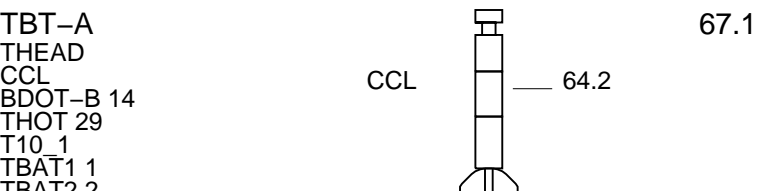
RUN 1

SURFACE EQUIPMENT

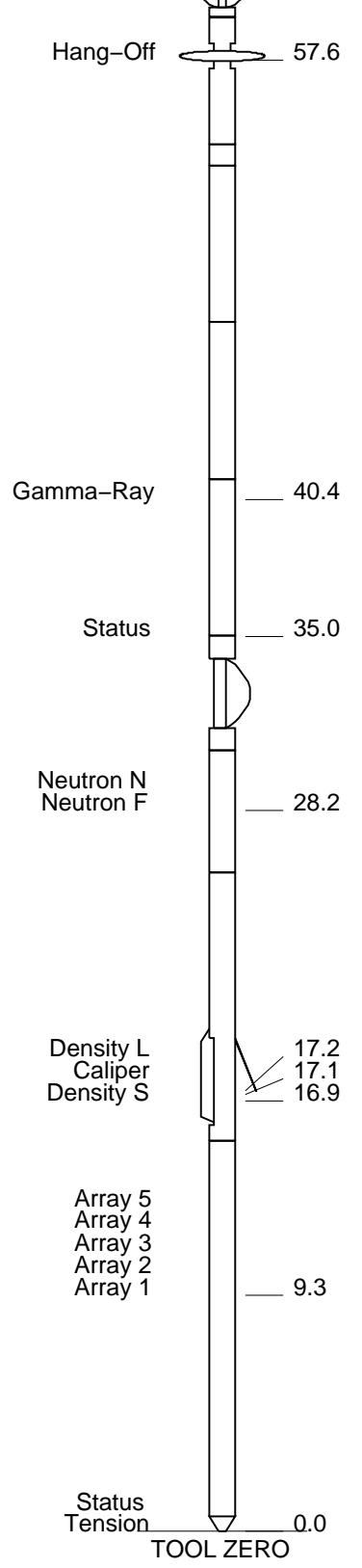
WITM (ThruBit)

RUN 2

DOWNHOLE EQUIPMENT



TMG-A 27
TILE-A
TBN-A 18
NNLS-EWA 4484
TBD-A 46
GGLS-FZ 3216
TBI-A 48



MAXIMUM STRING DIAMETER 2.13 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN FEET

Schlumberger

MAIN PASS

MAXIS Field Log

Company: SANDRIDGE ENERGY

Well: SARAH 3306 3-28H

Input DLIS Files

DEFAULT SPLICE_botto019ass FN:1 PRODUCER 30-Jul-2014 05:05 9142.8 FT 2393.1 FT

OP System Version: 19C2-270

TBT SRPC-5298-ThruBit_b

Relative Bearing
(RB)
0 (DEG) 940

gr wrap4
From LHT1 to GR4

gr wrap3
From LHT1 to GR3

gr wrap2
From LHT1 to GR2

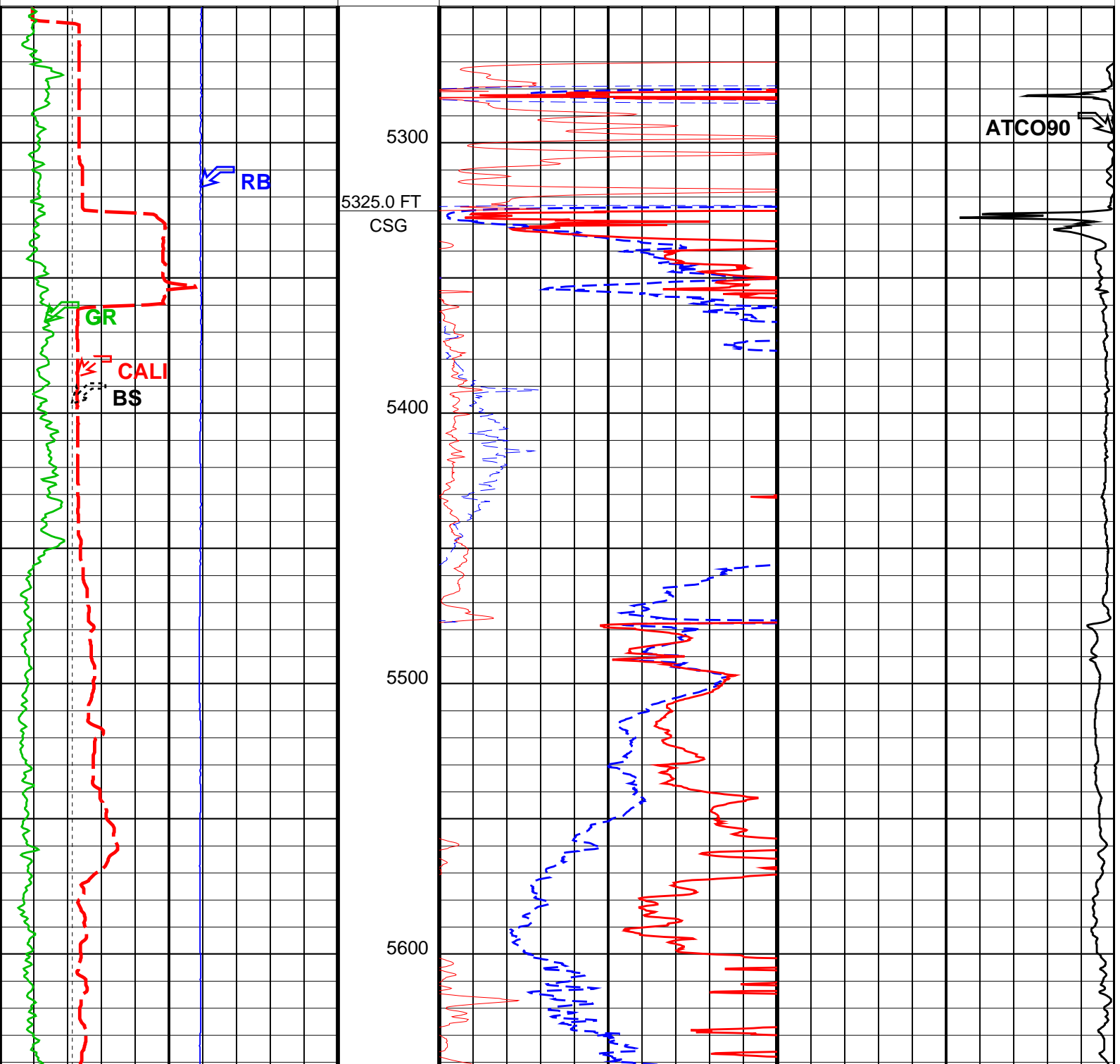
gr wrap1
From LHT1 to GR1

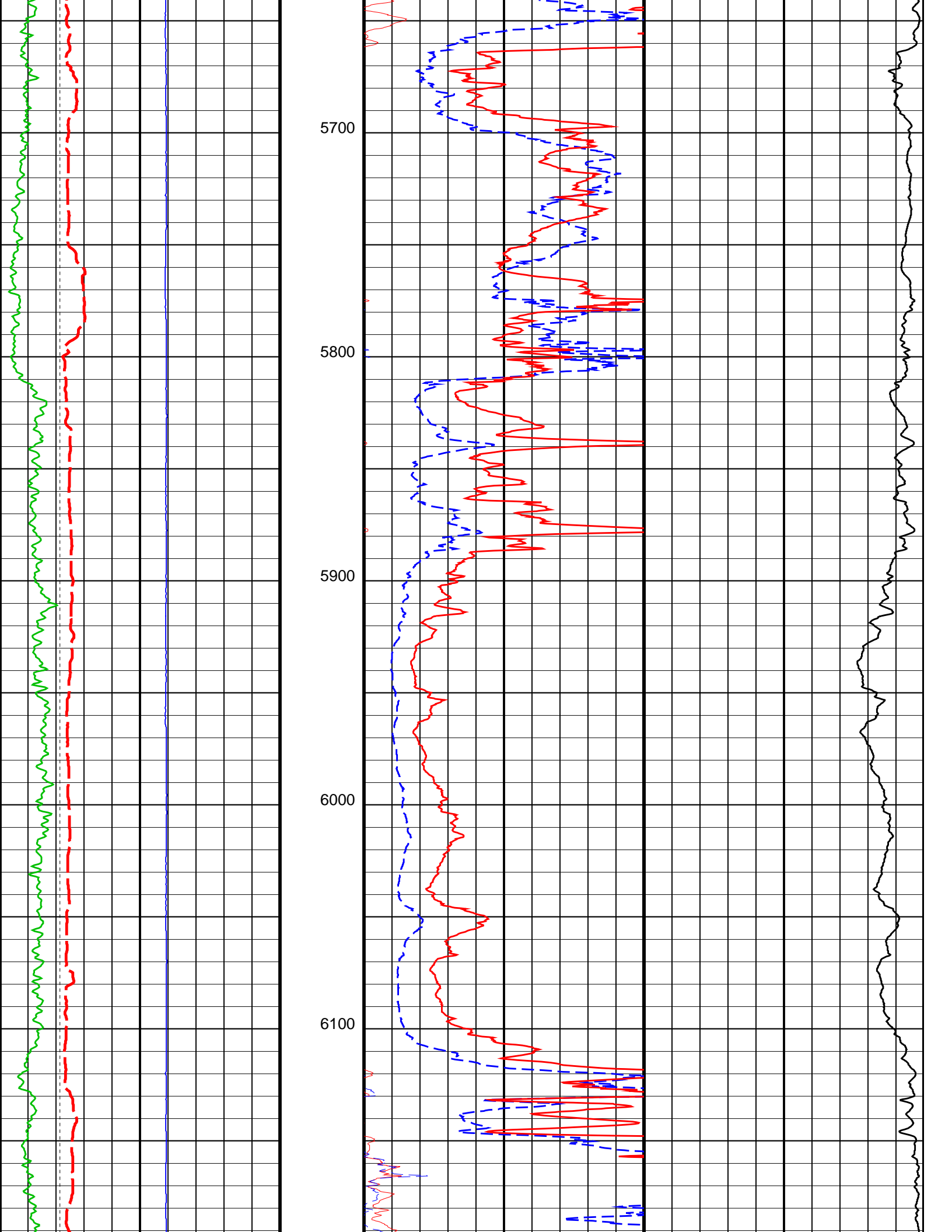
Caliper (CAL)

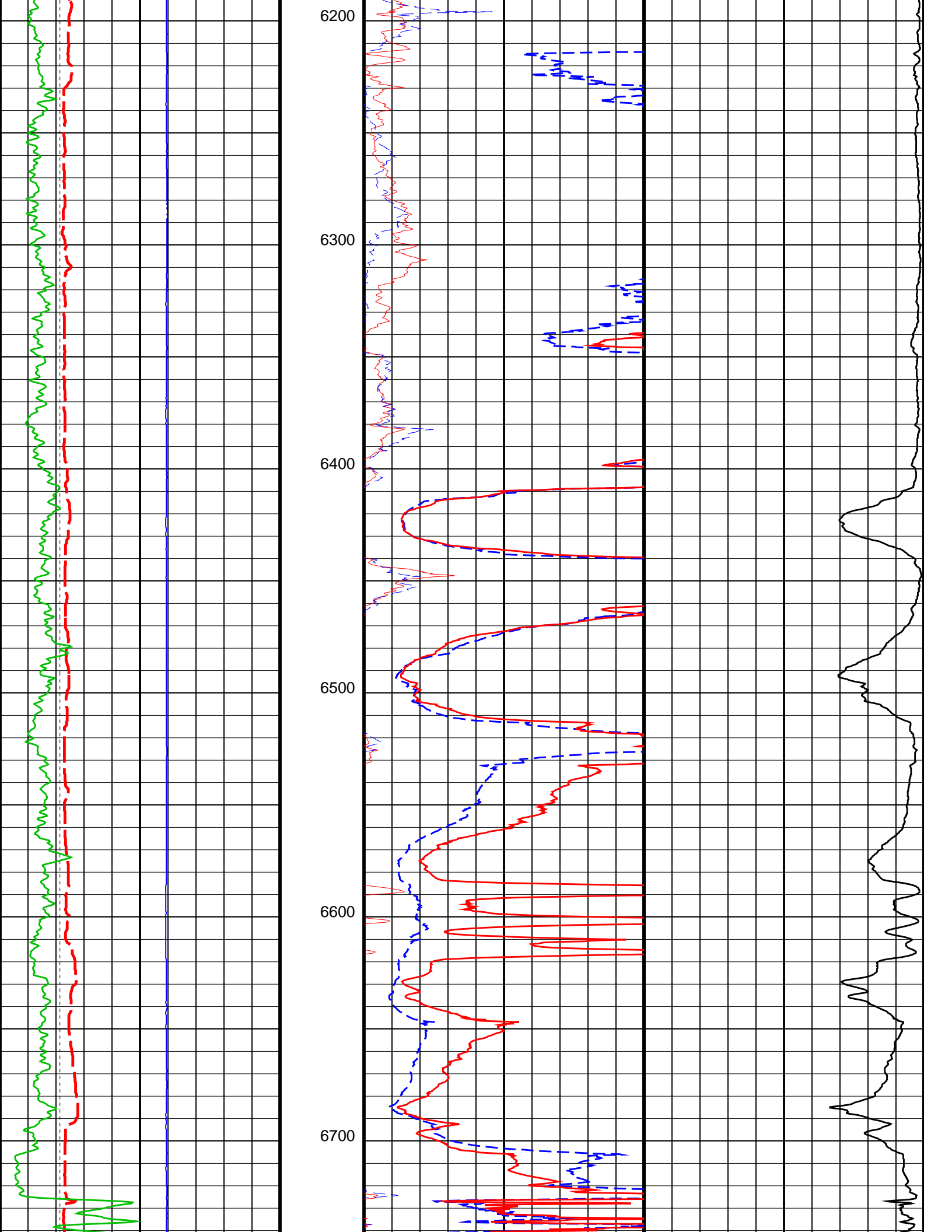
Caliper (CALI)		4	14
Gamma Ray 4 (GR)			
(GAPI)		600	750
Gamma Ray 3 (GR)			
(GAPI)		450	600
Gamma Ray 2 (GR)			
(GAPI)		300	450
Gamma Ray 1 (GR)			
(GAPI)		150	300
Gamma Ray (GR)			
(GAPI)		0	150
Bit Size (BS)			
(IN)		4	14

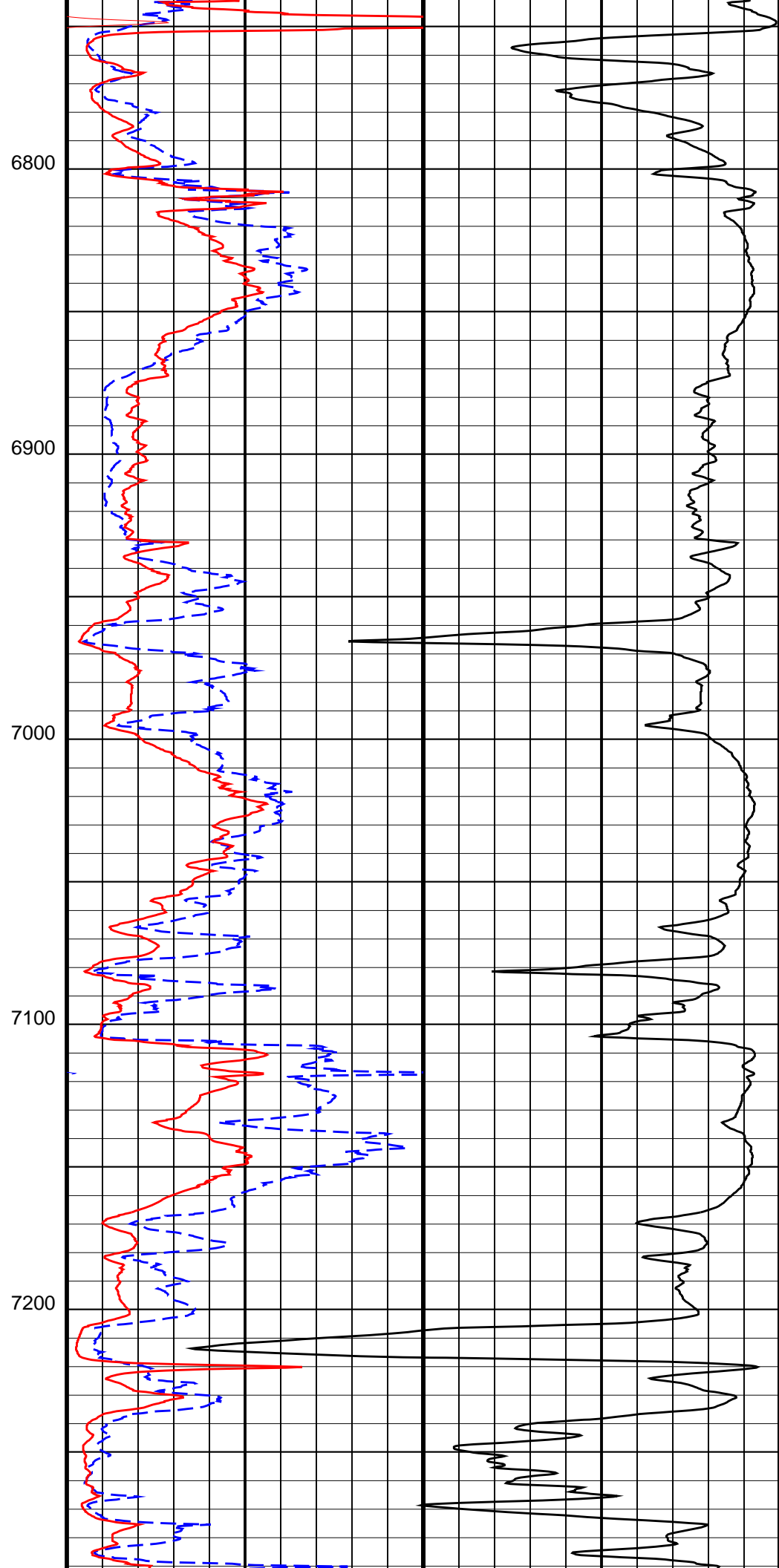
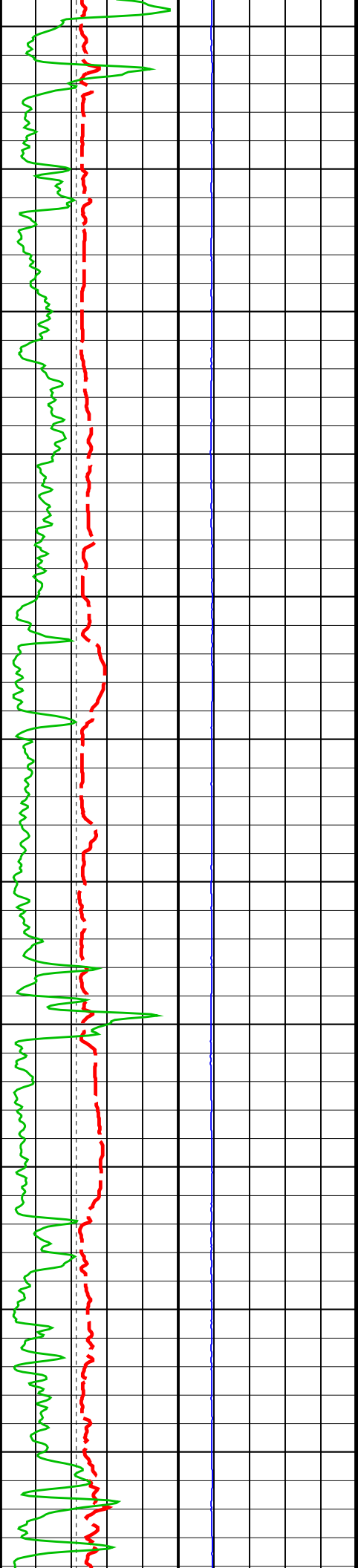
TBI 20 Inch Investigation (TBIT20)		
(OHMM)		
50		500
TBI 90 Inch Investigation (TBIT90)		
(OHMM)		
50		500
TBI 90 Inch Investigation (TBIT90)		
(OHMM)		
0		50
TBI 20 Inch Investigation (TBIT20)		
(OHMM)		
0		50

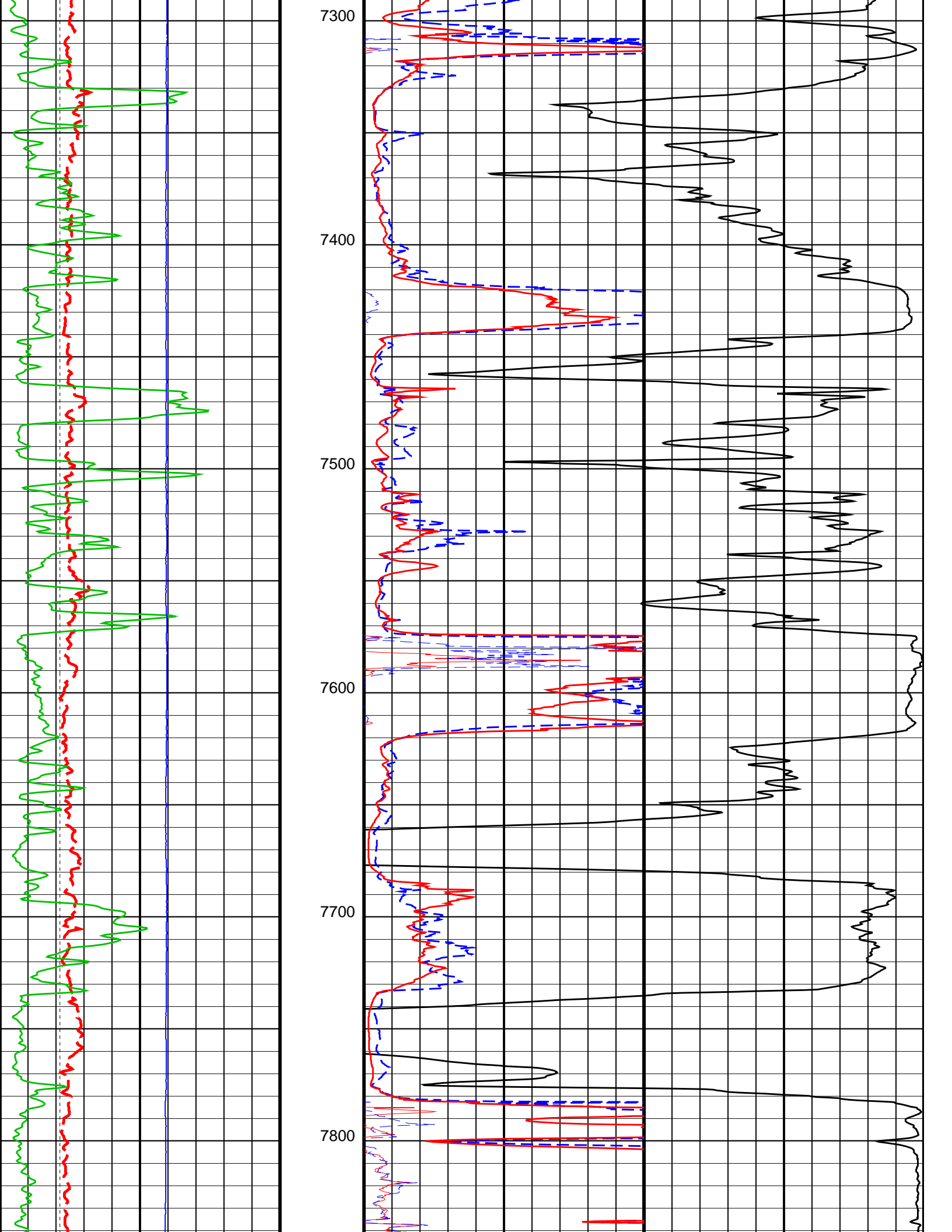
TBI 60 Inch Conductivity (ATCO90)	
1000	0
(MM/M)	

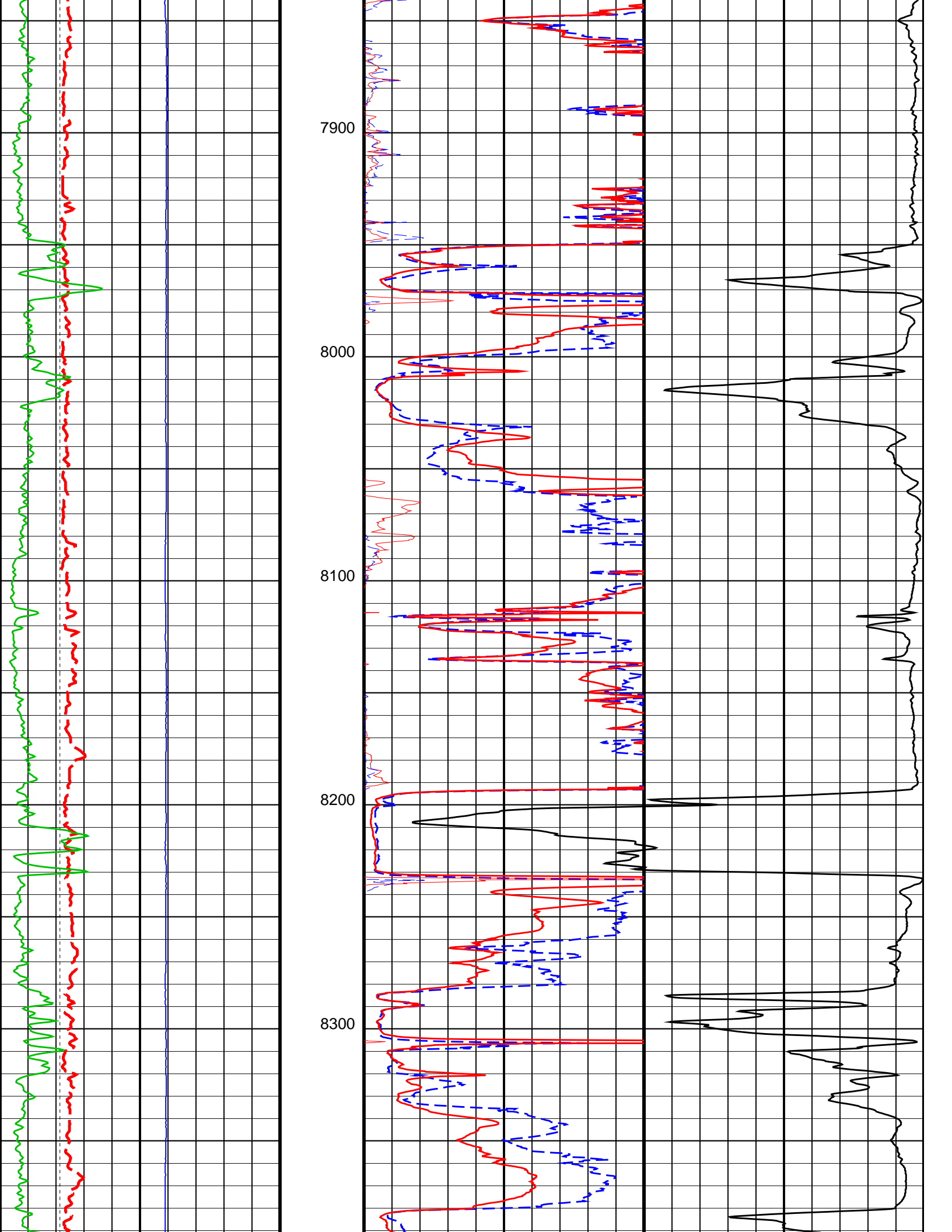


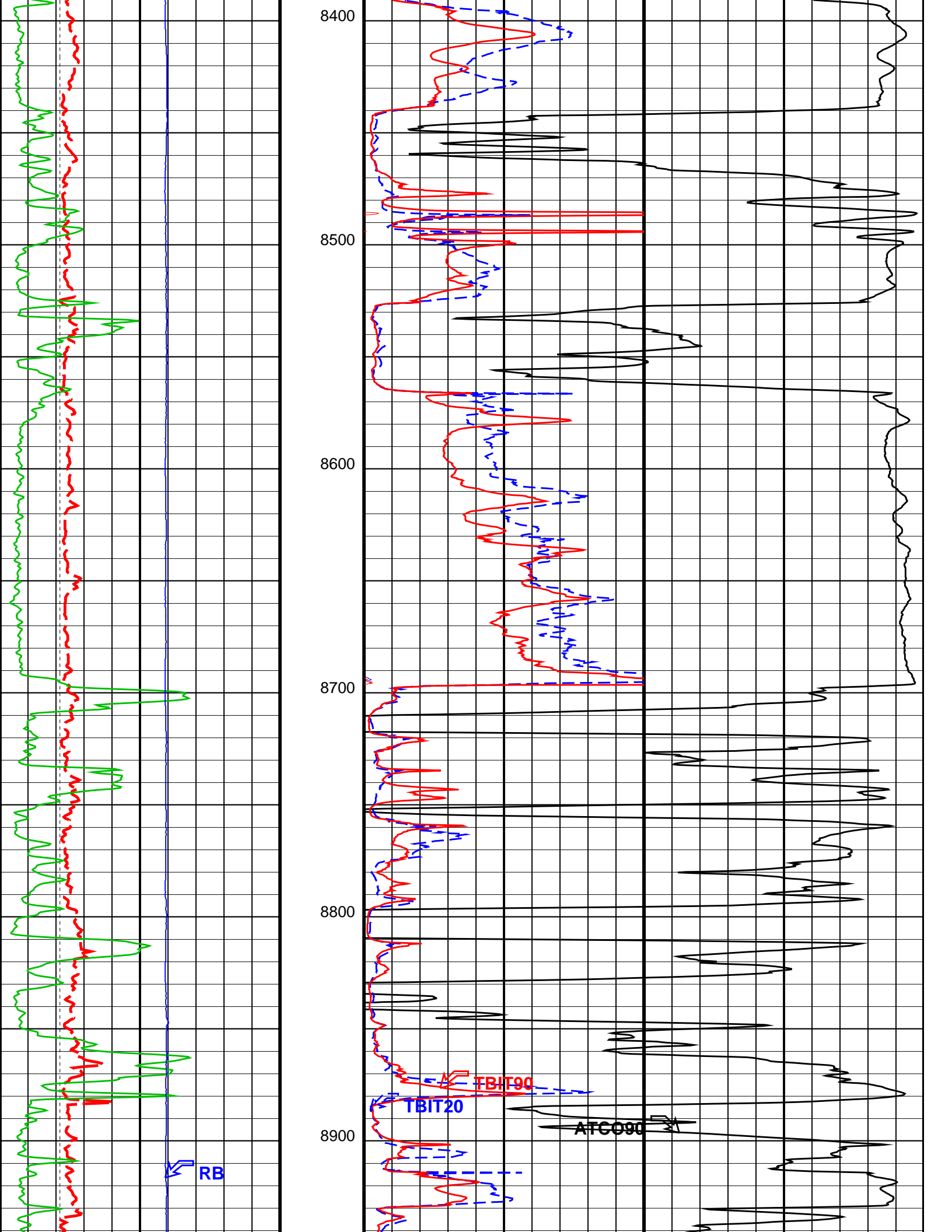


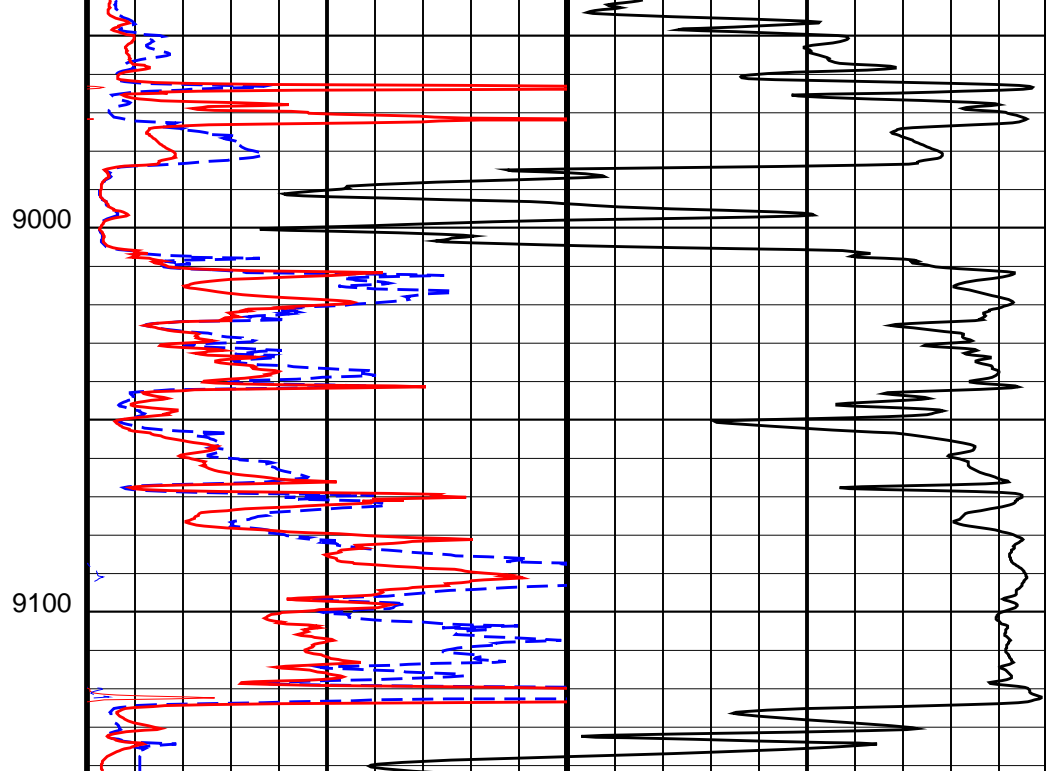
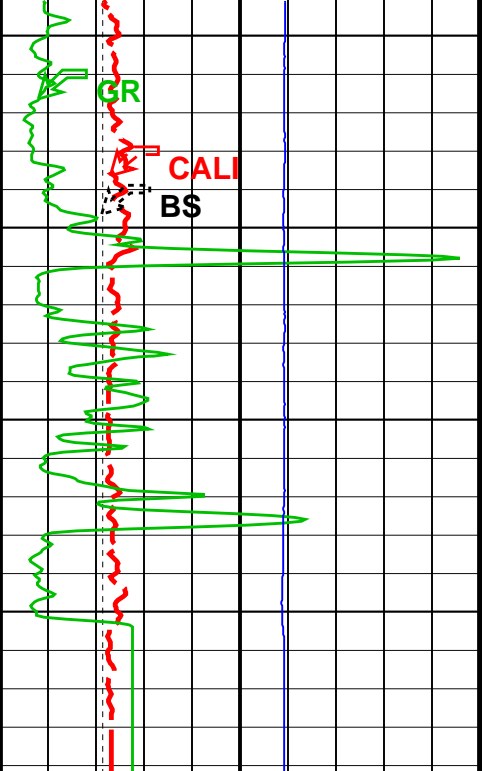












Bit Size (BS)
(IN) 4 14

TBI 60 Inch Conductivity (ATCO90)
(MM/M) 1000 0

Gamma Ray (GR)
(GAPI) 0 150

TBI 20 Inch Investigation (TBIT20)
(OHMM) 0 50

Gamma Ray 1 (GR)
(GAPI) 150 300

TBI 90 Inch Investigation (TBIT90)
(OHMM) 0 50

Gamma Ray 2 (GR)
(GAPI) 300 450

TBI 90 Inch Investigation (TBIT90)
(OHMM) 50 500

Gamma Ray 3 (GR)
(GAPI) 450 600

TBI 20 Inch Investigation (TBIT20)
(OHMM) 50 500

Gamma Ray 4 (GR)
(GAPI) 600 750

Caliper (CALI)
(IN) 4 14

gr wrap1
From LHT1 to GR1

gr wrap2
From LHT1 to GR2

gr wrap3
From LHT1 to GR3

gr wrap4
From LHT1 to GR4

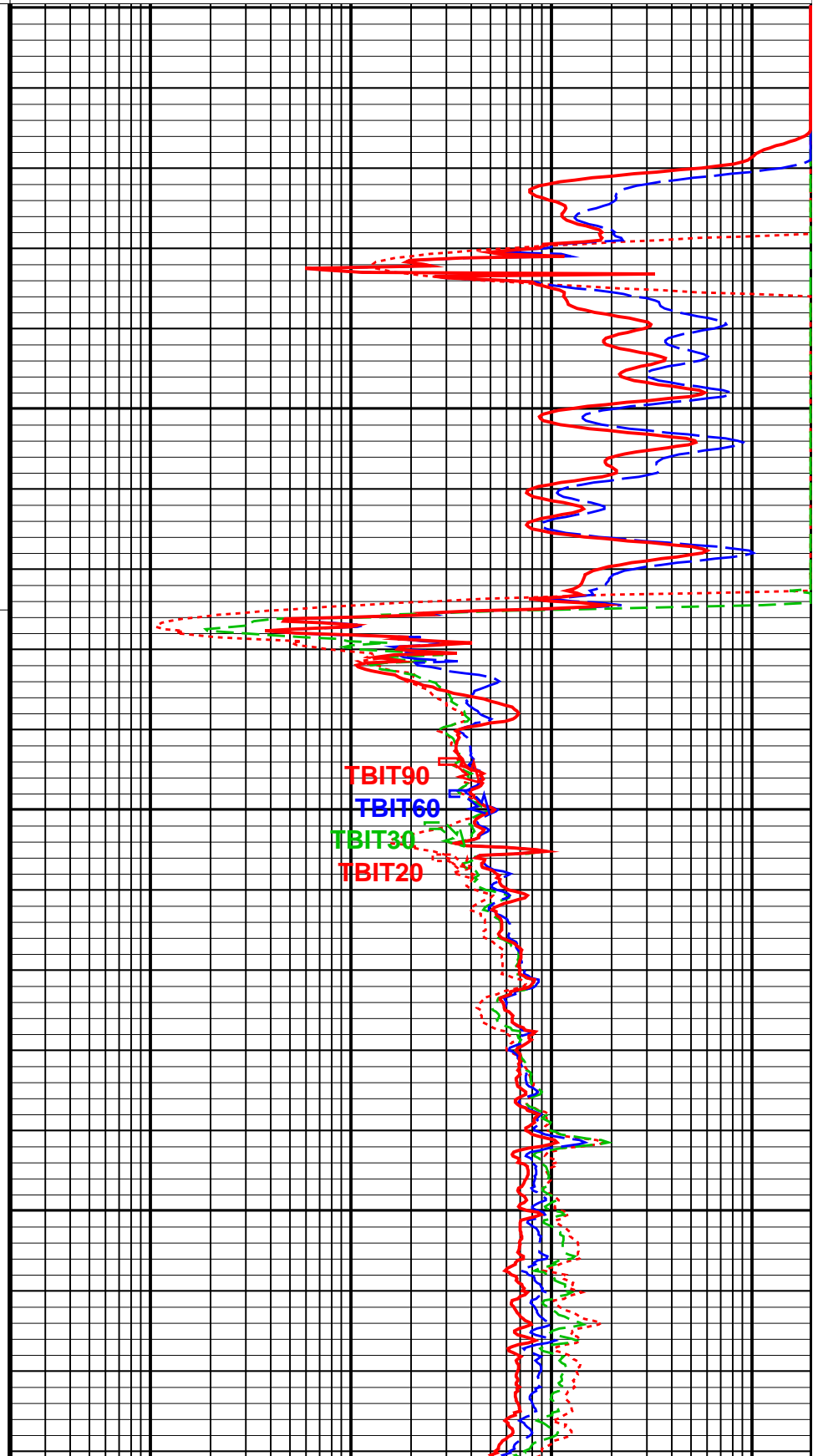
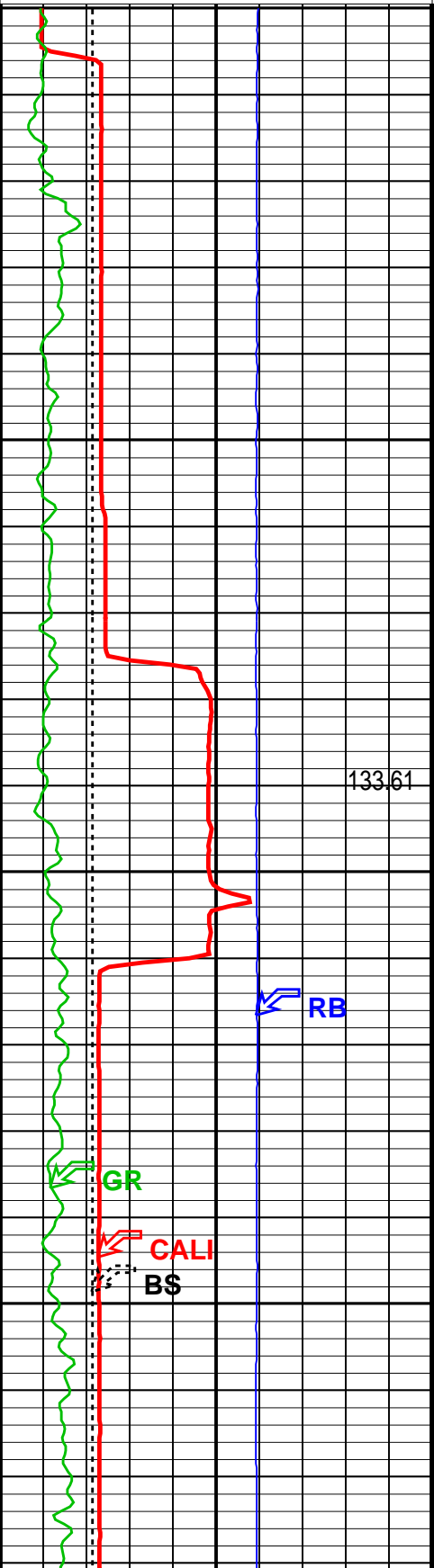
Relative Bearing
(RB)
0 (DEG) 940

Parameters

DLIS Name	Description	Value
TBT-A:	ThruBit String	
MT	Mud Type (for TBN and TBI correction)	WBM
RB_OFFSET	Additional RB offset (degrees)	0.000 deg

Gamma Ray 1 (GR)		
150	(GAPI)	300
Gamma Ray (GR)		
0	(GAPI)	150
Bit Size (BS)		
4	(IN)	14
GR Temp (WTEP)		
(DEGF)		

TBI 90 Inch Investigation (TBIT90)		
0.2	(OHMM)	2000
TBI 60 Inch Investigation (TBIT60)		
0.2	(OHMM)	2000
TBI 30 Inch Investigation (TBIT30)		
0.2	(OHMM)	2000
TBI 20 Inch Investigation (TBIT20)		
0.2	(OHMM)	2000



5325.0 FT
CSG

133.61

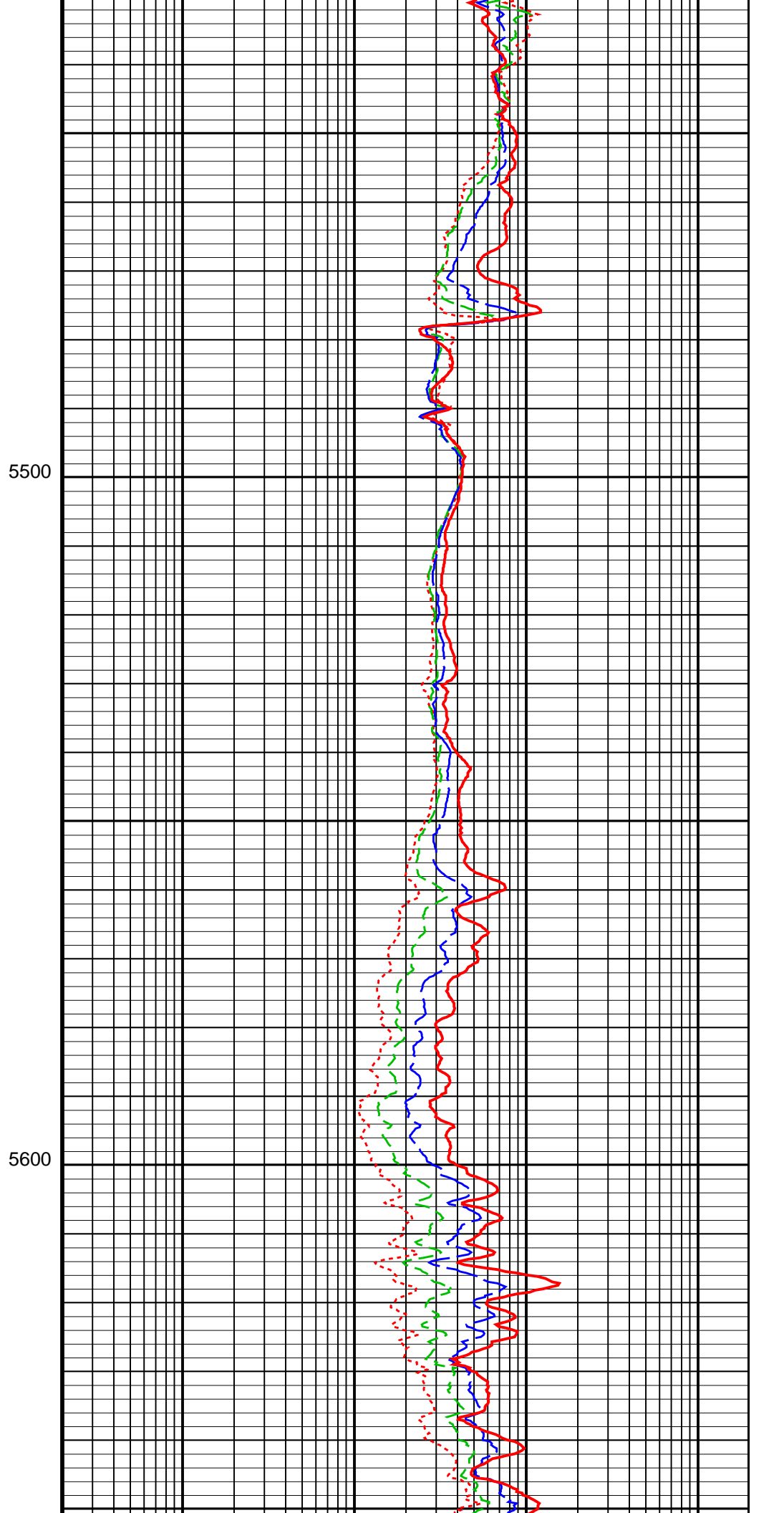
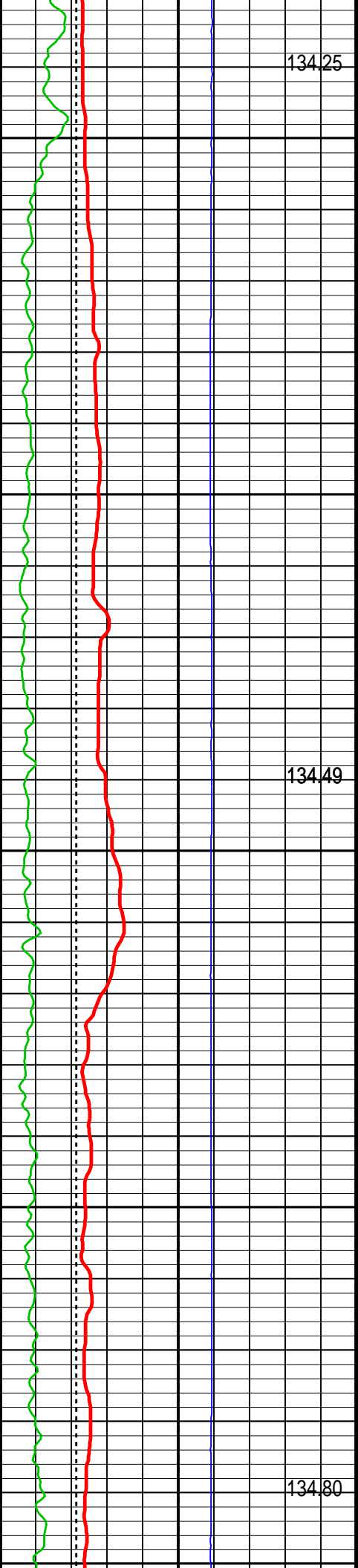
TBIT90
TBIT60
TBIT30
TBIT20

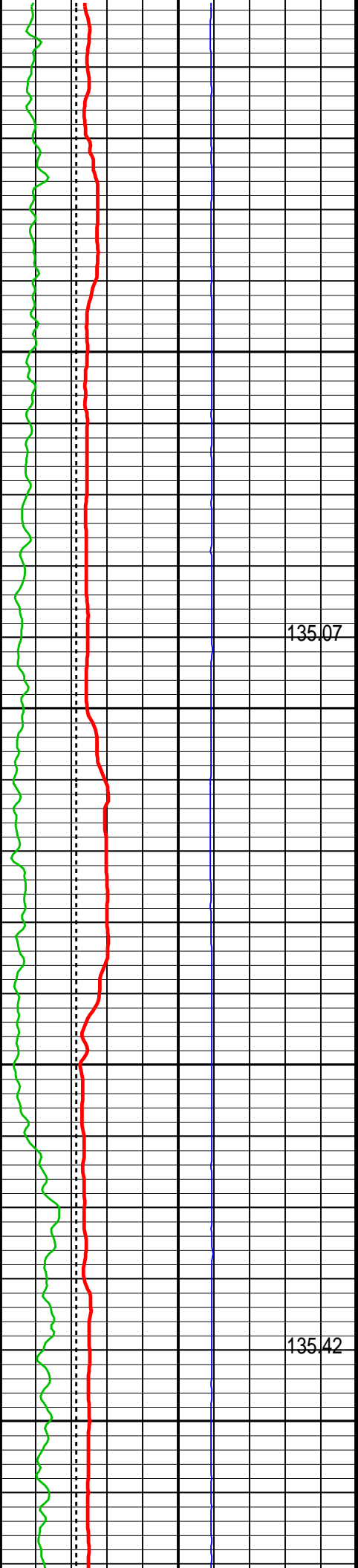
5400

GR

RB

CALI
BS



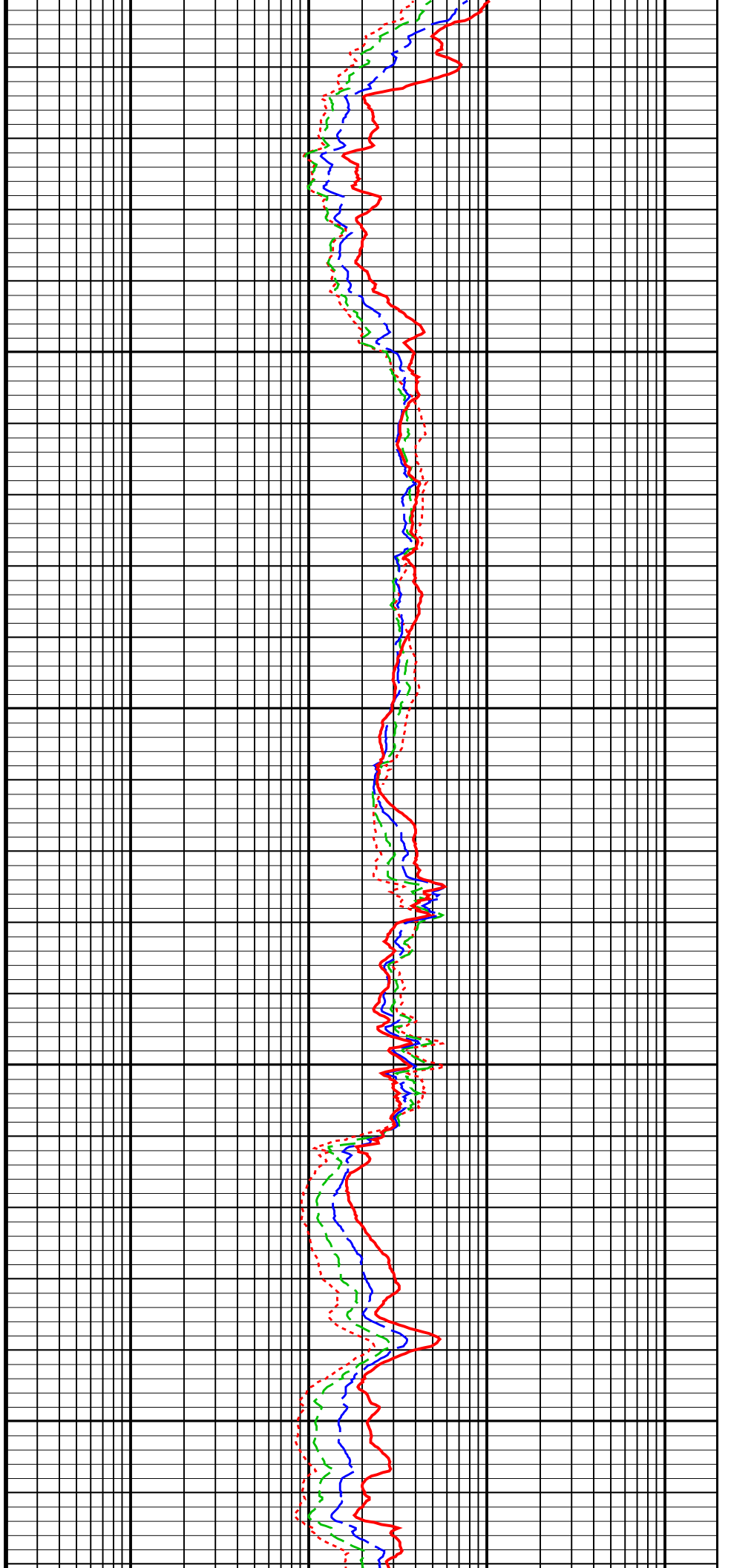


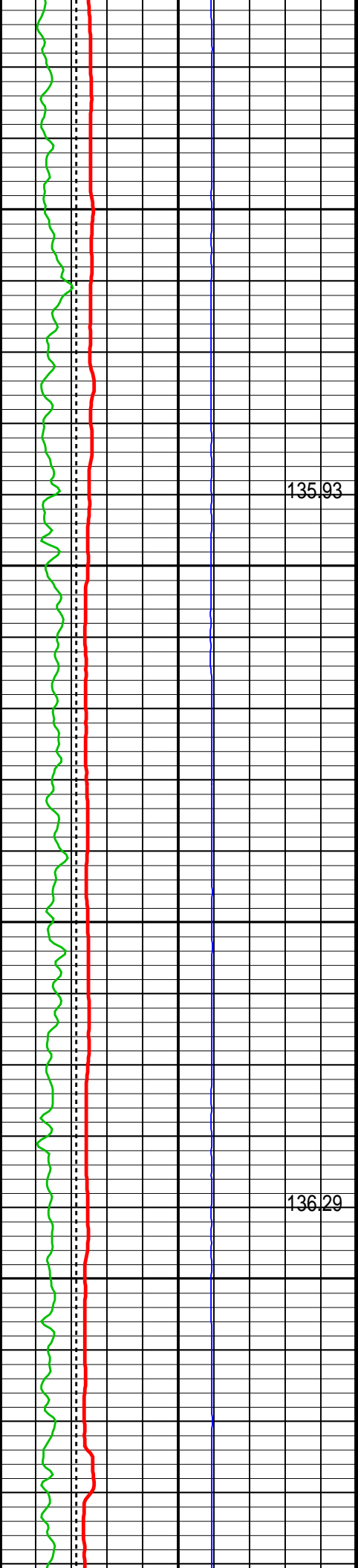
5700

135.07

5800

135.42



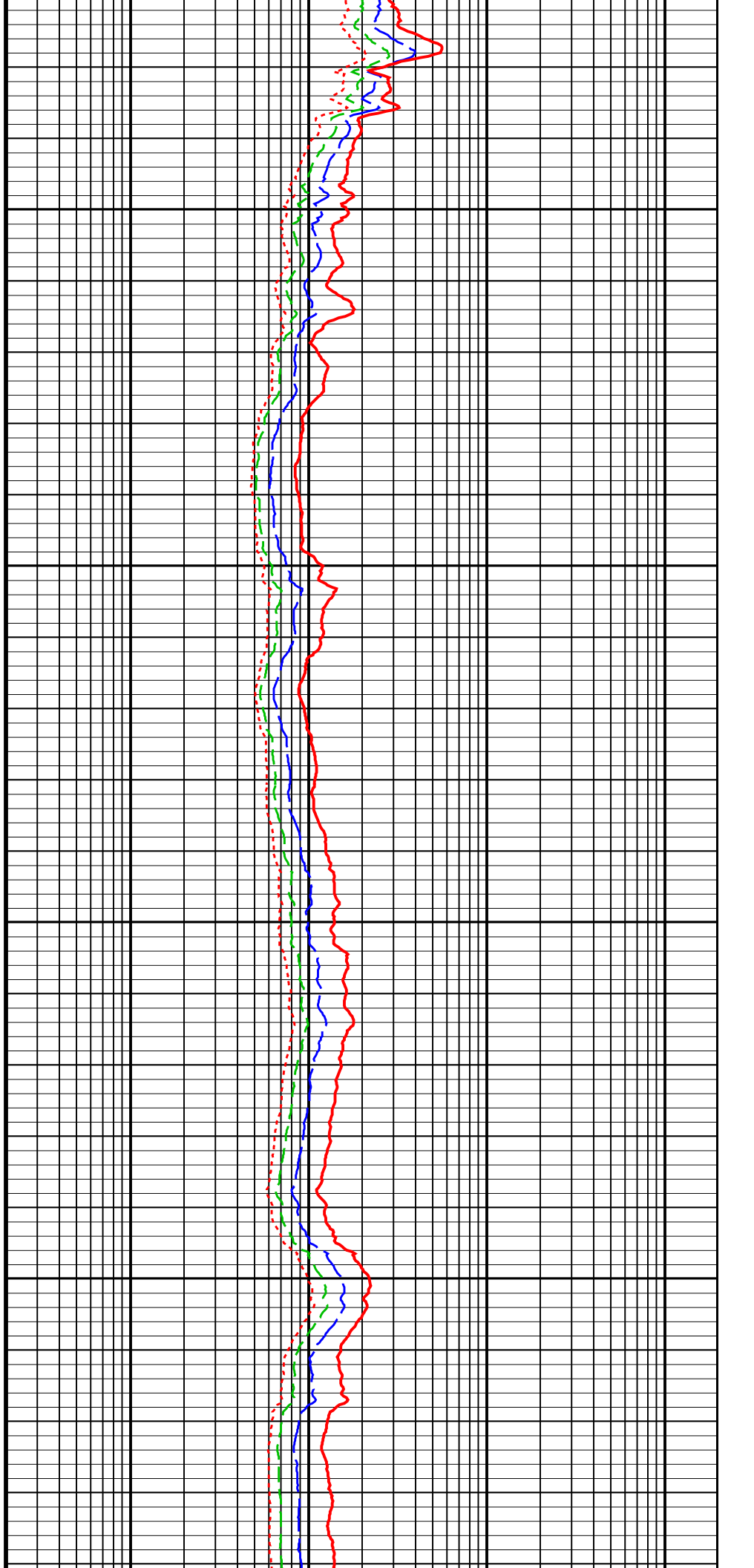


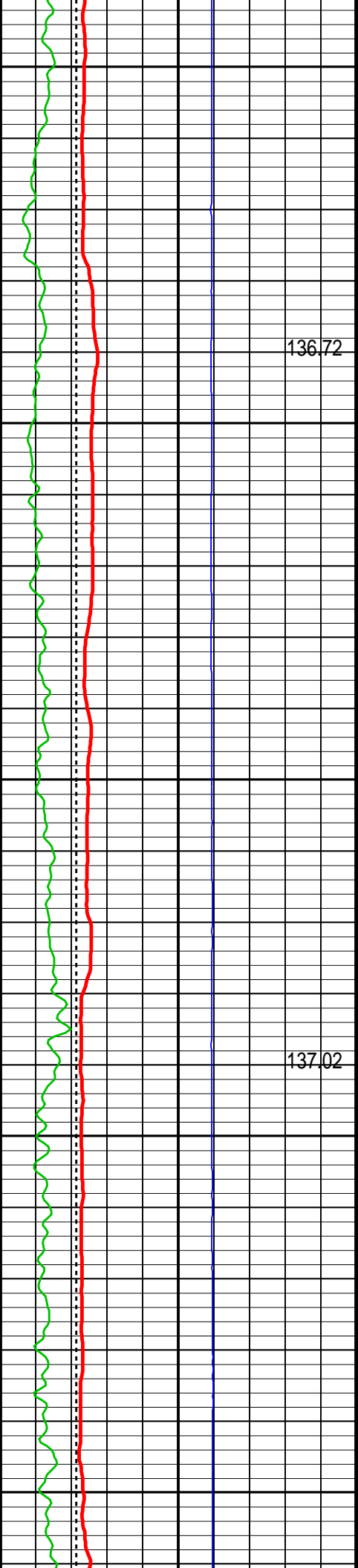
5900

135.93

6000

136.29





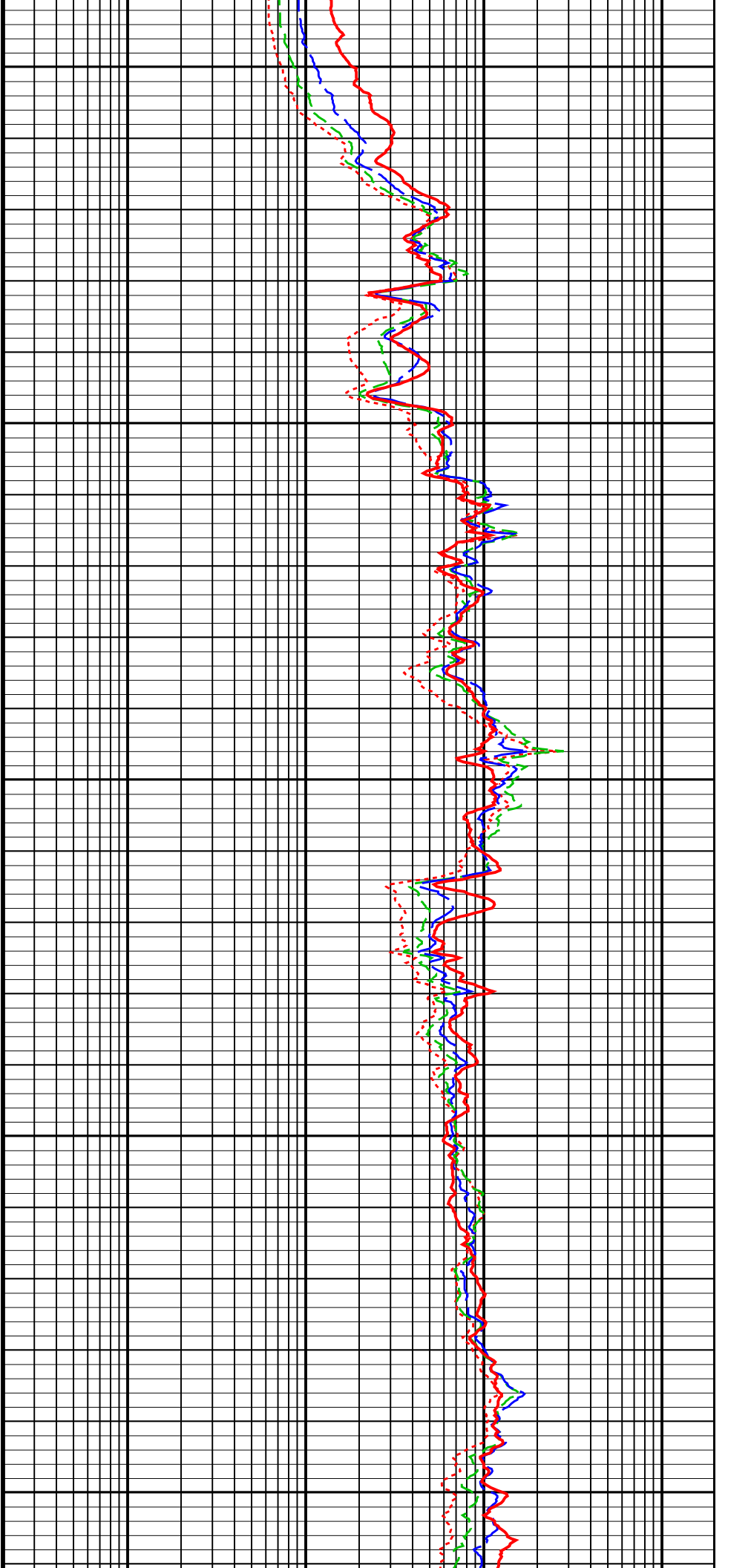
6100

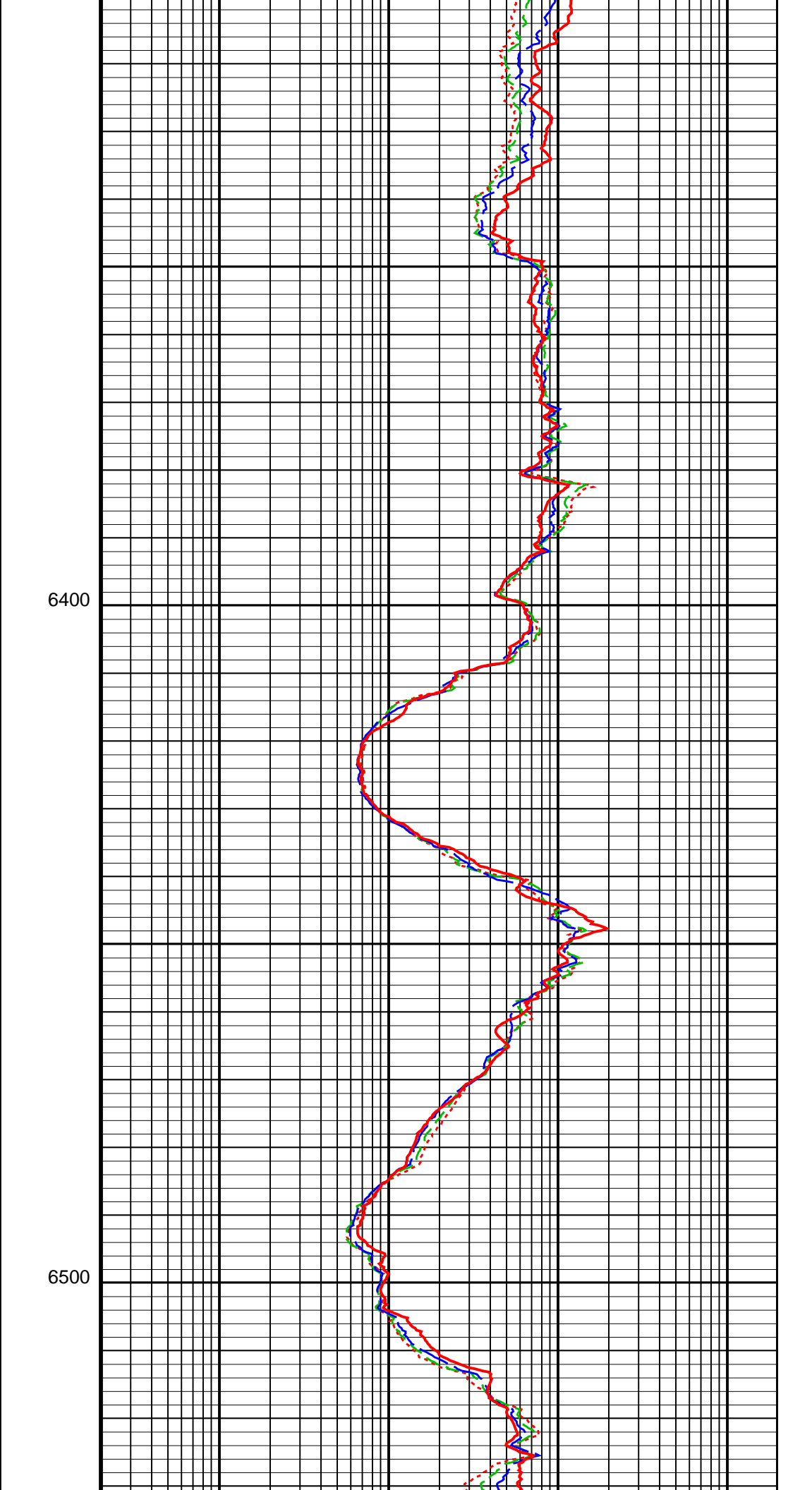
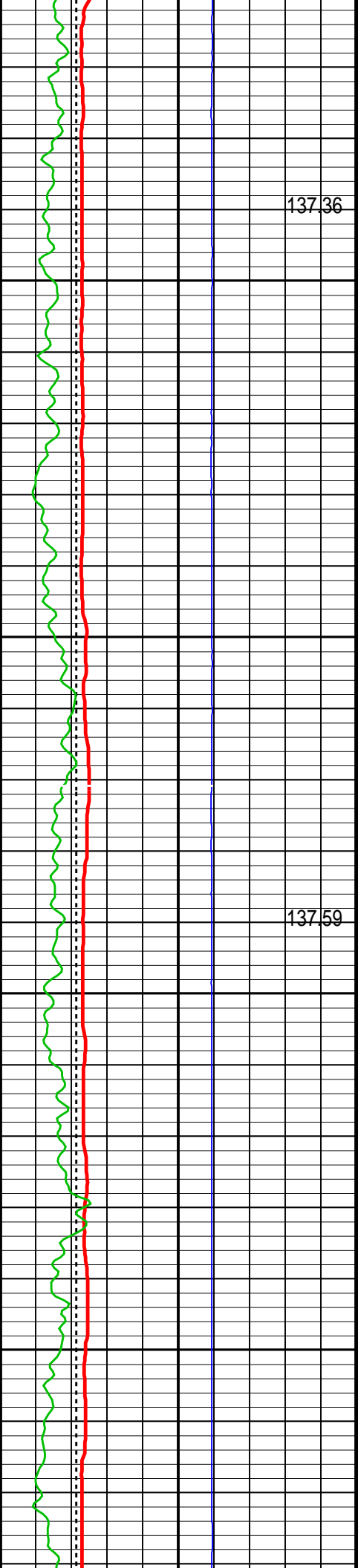
136.72

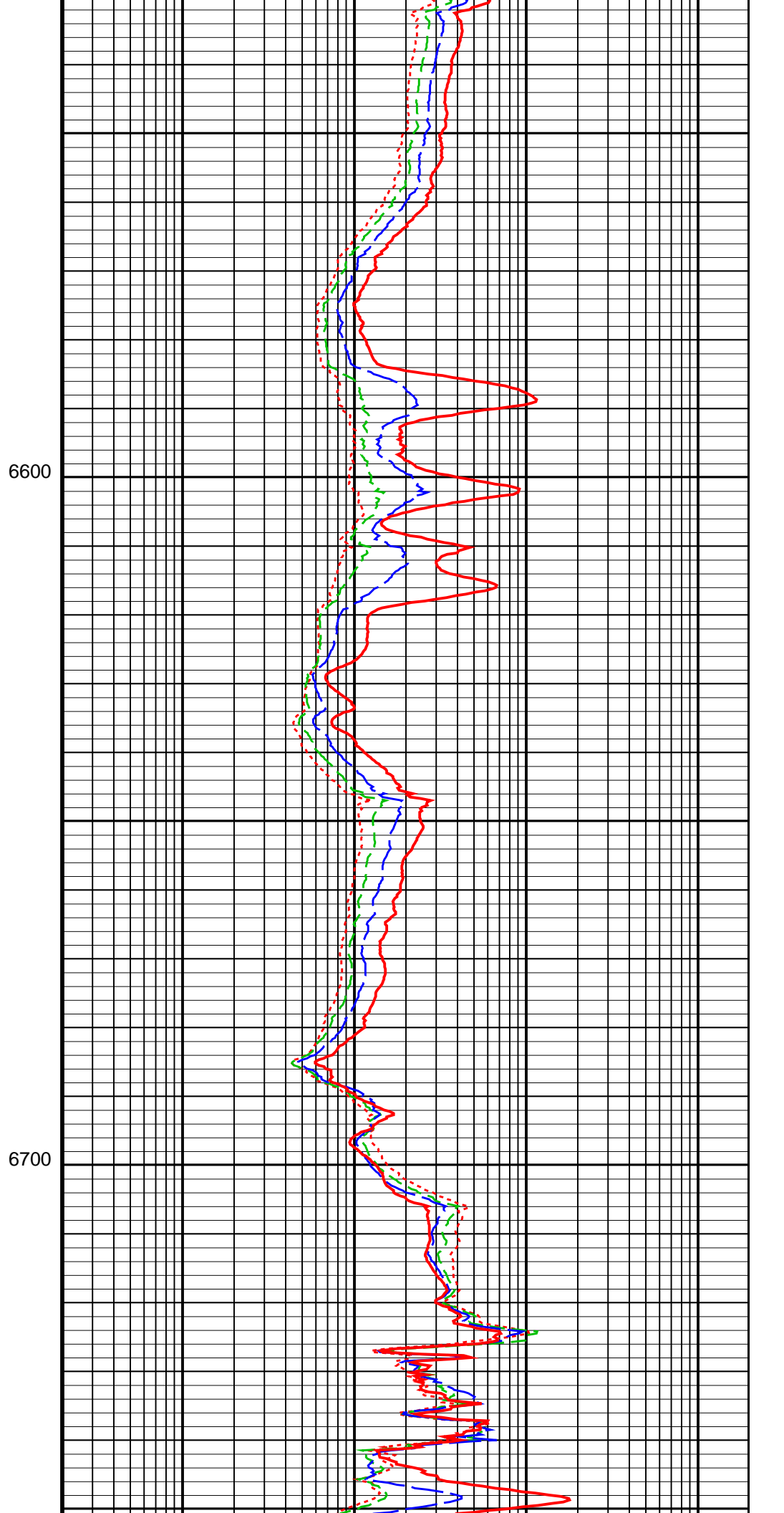
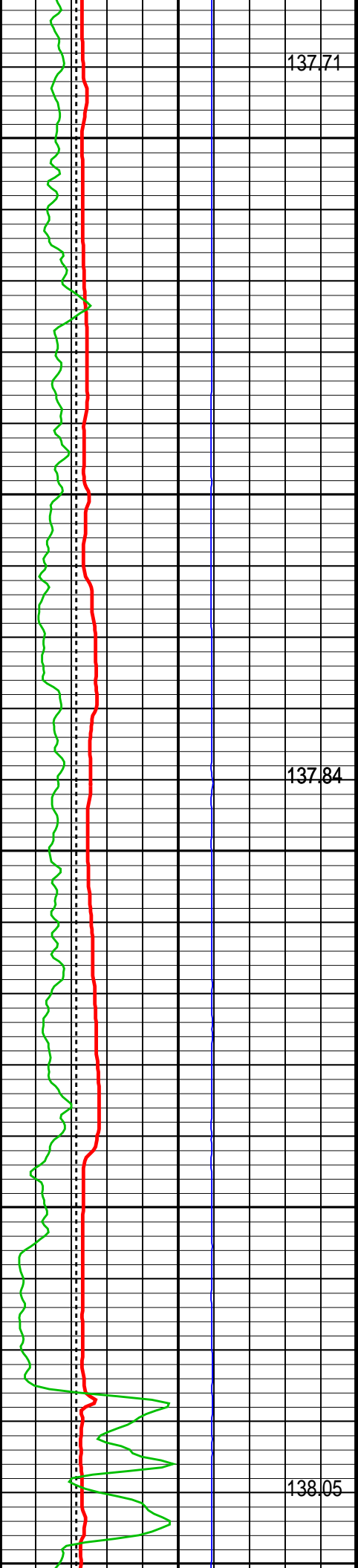
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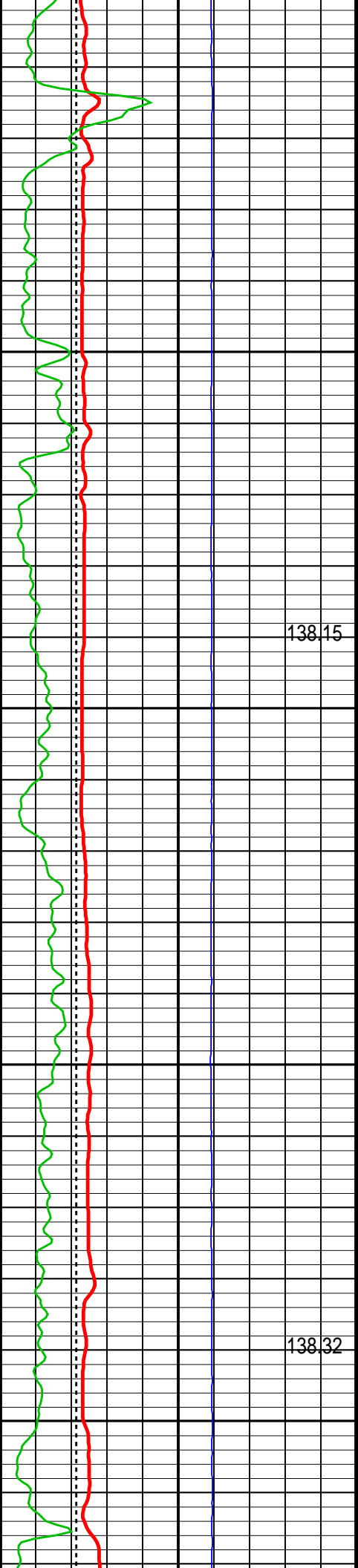
137.02

6300



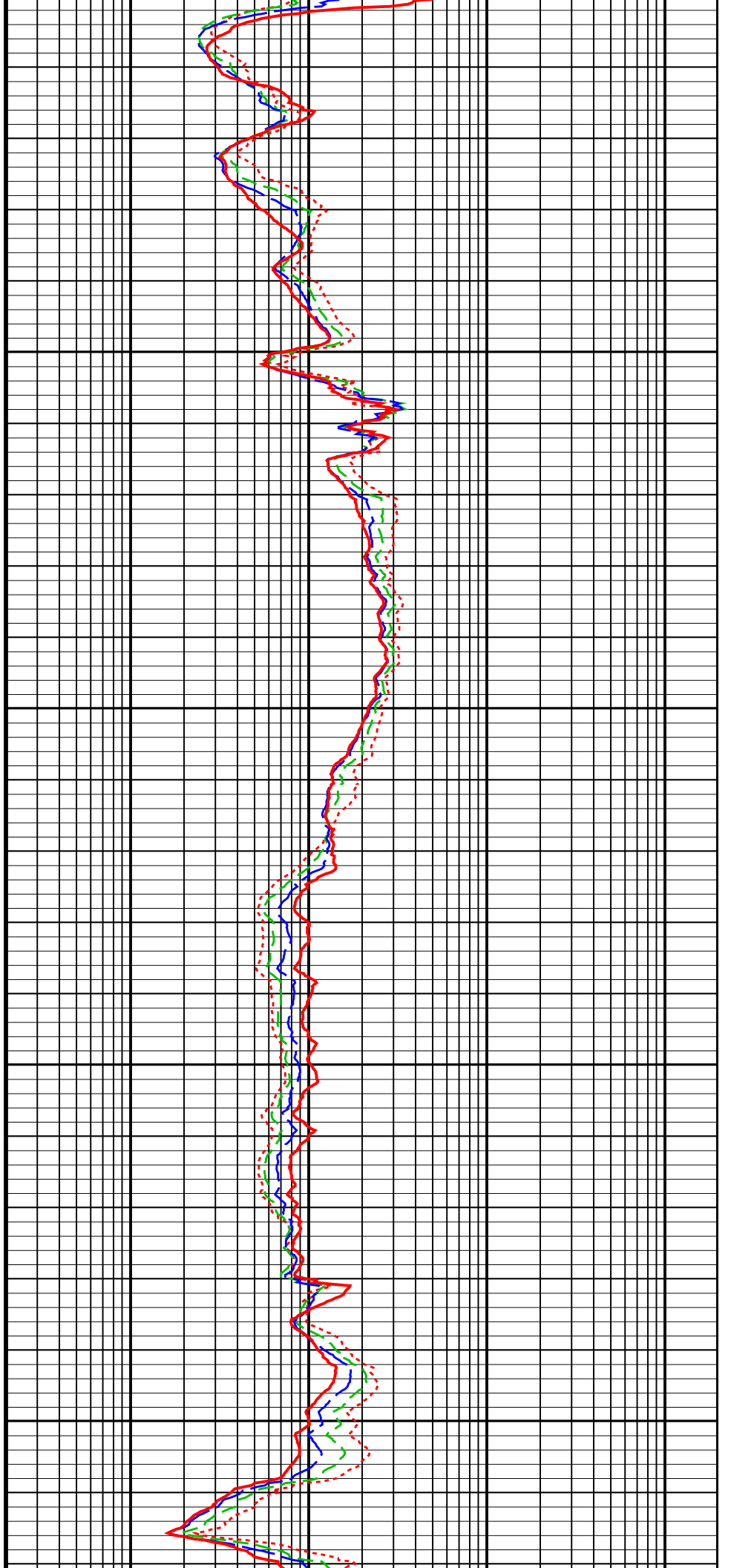


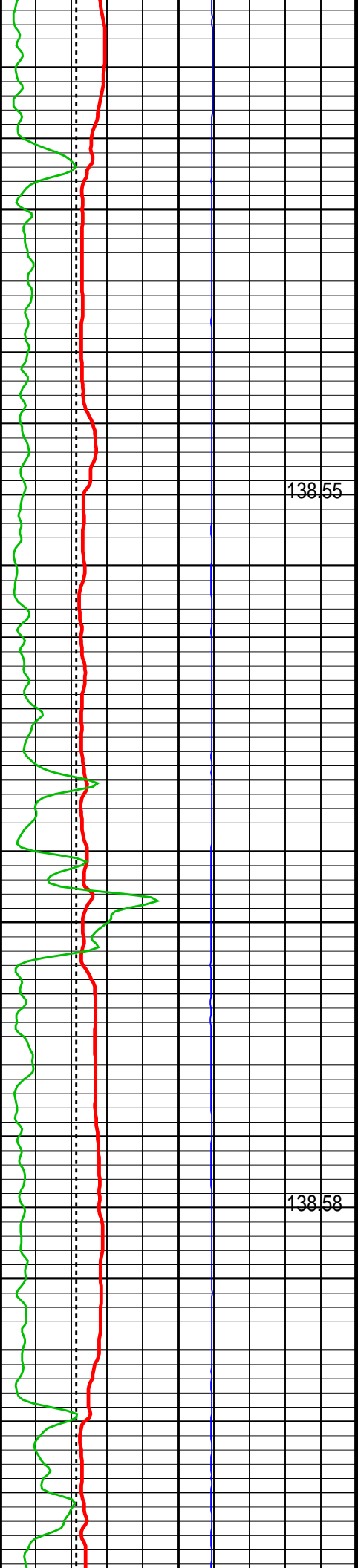




6800

6900



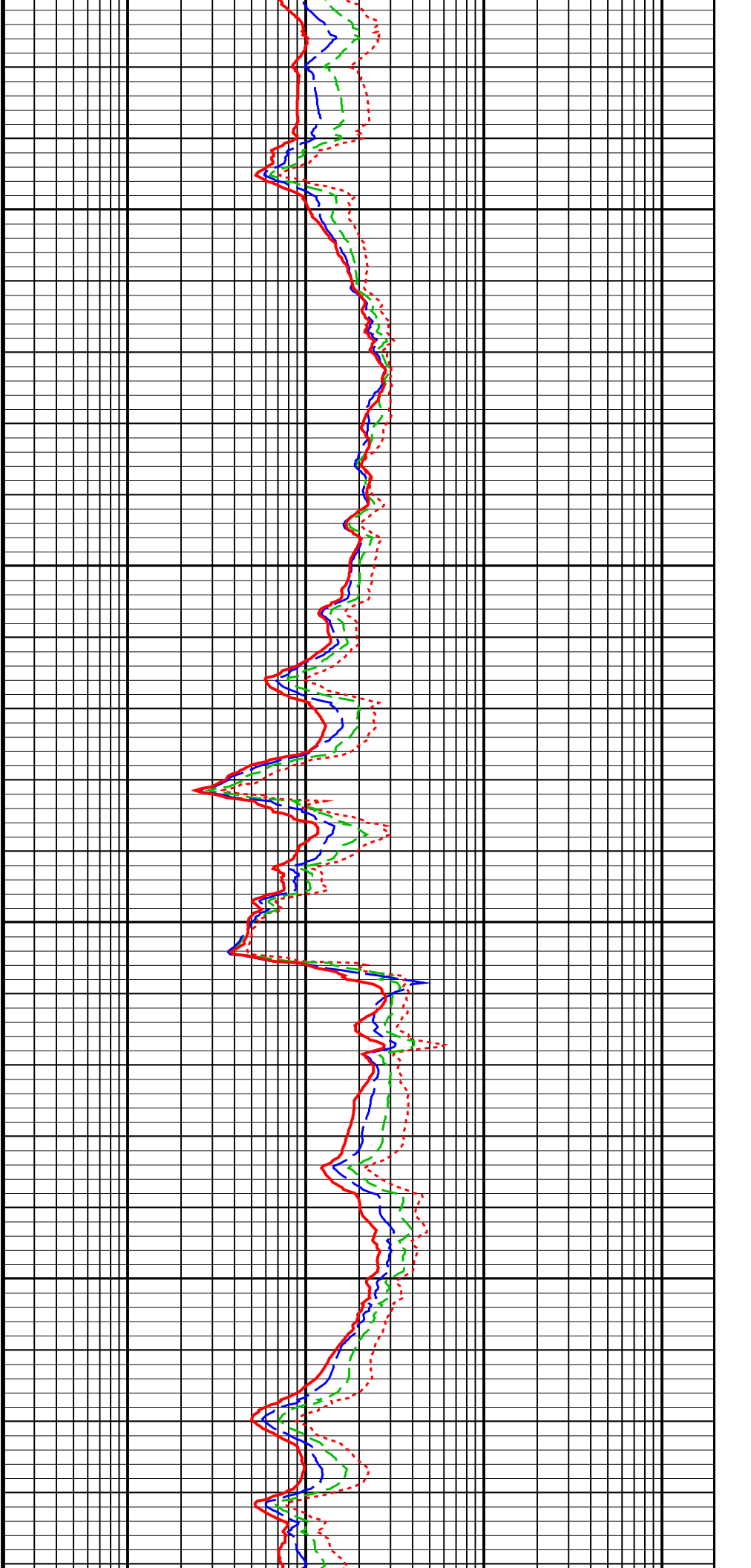


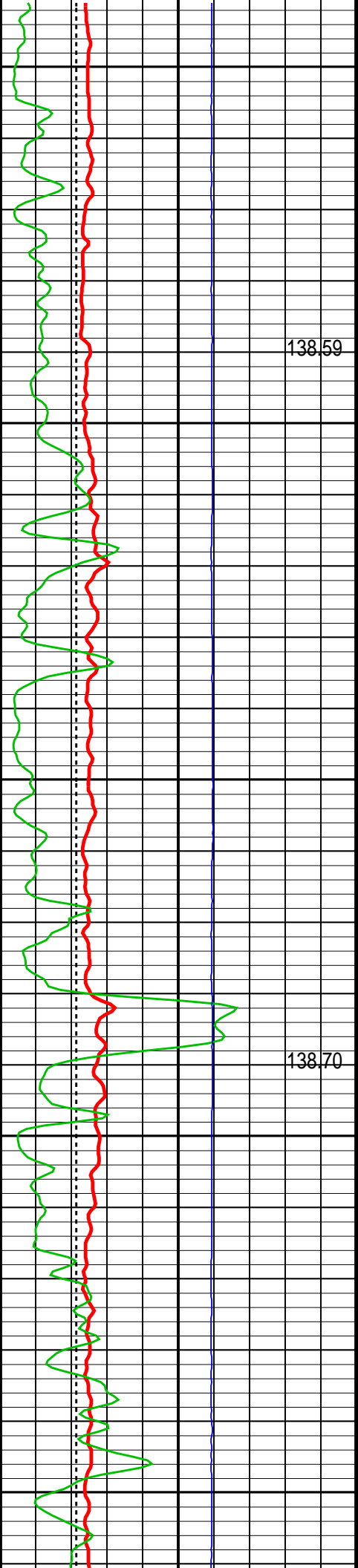
7000

138.55

7100

138.58





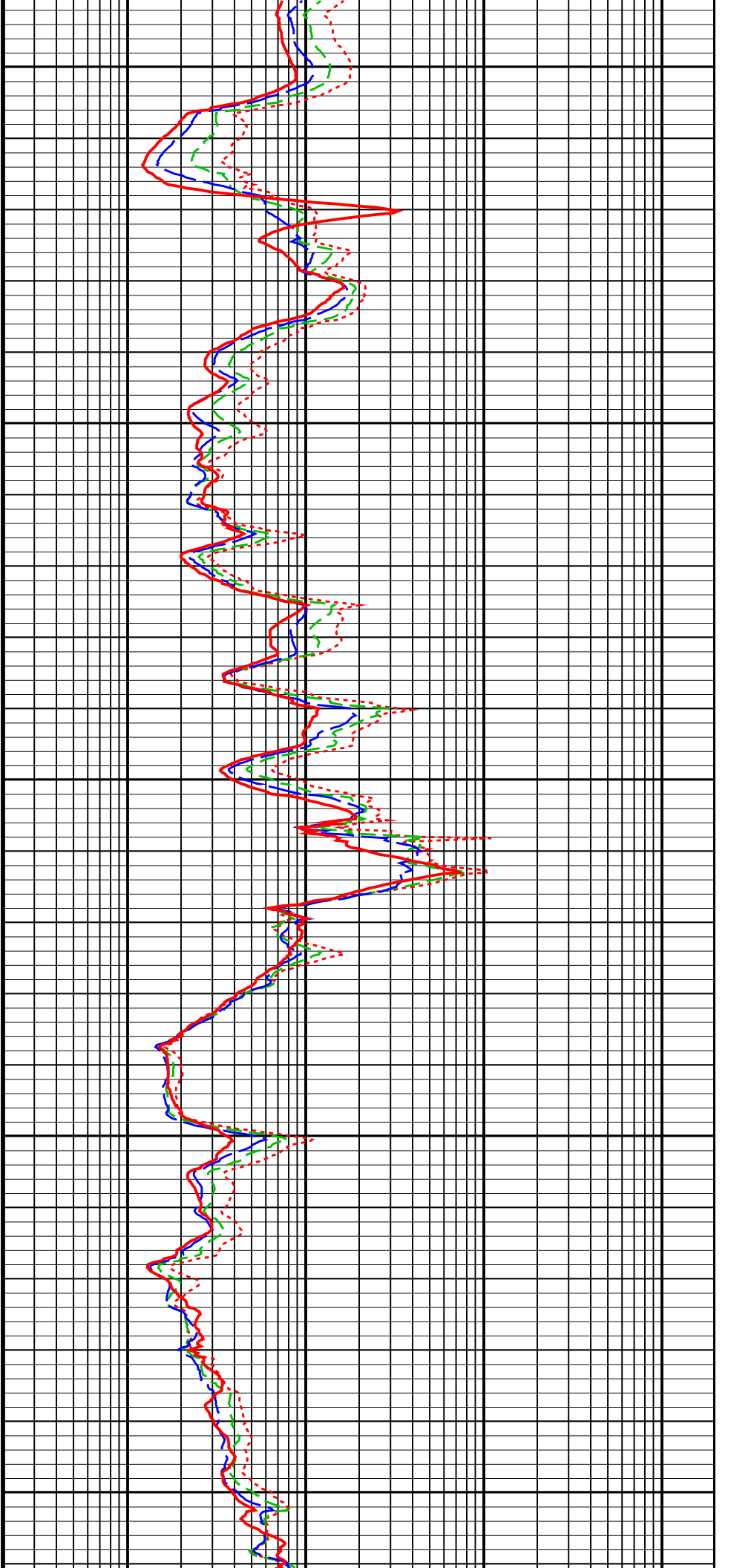
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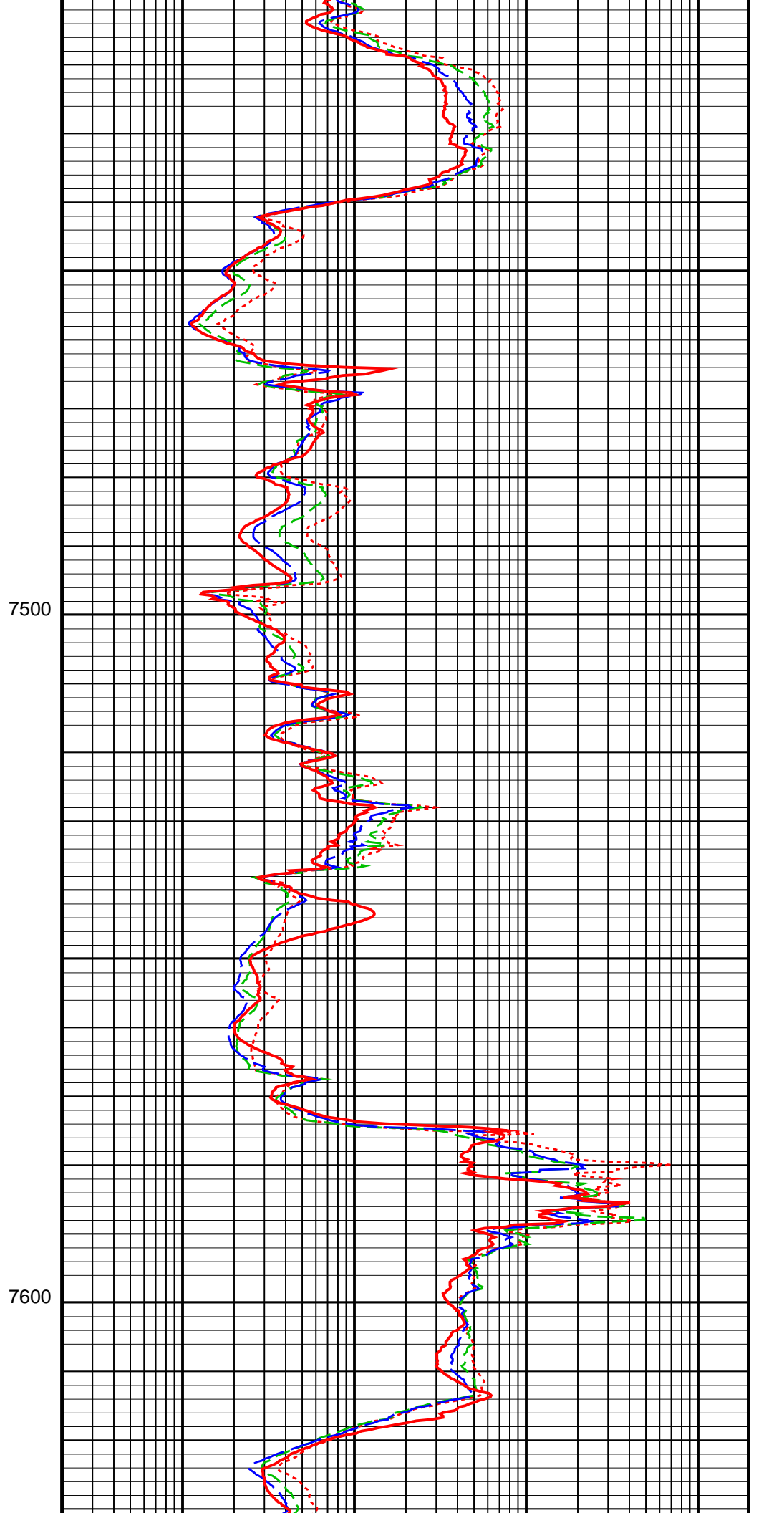
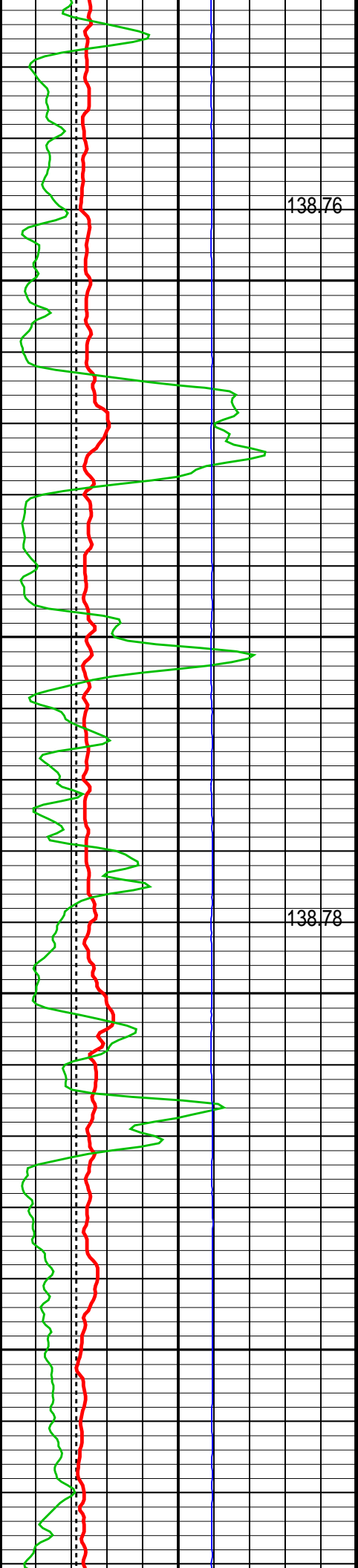
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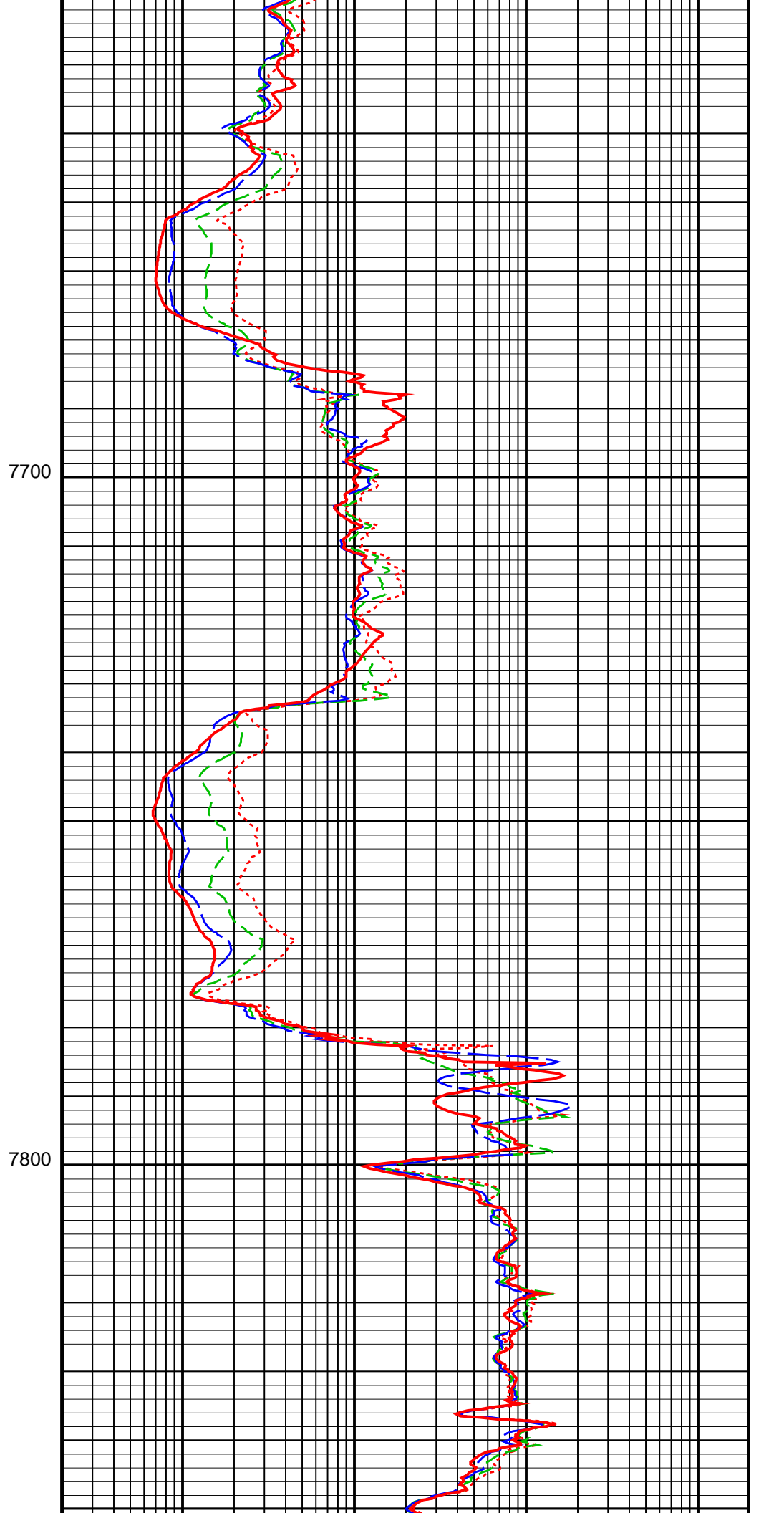
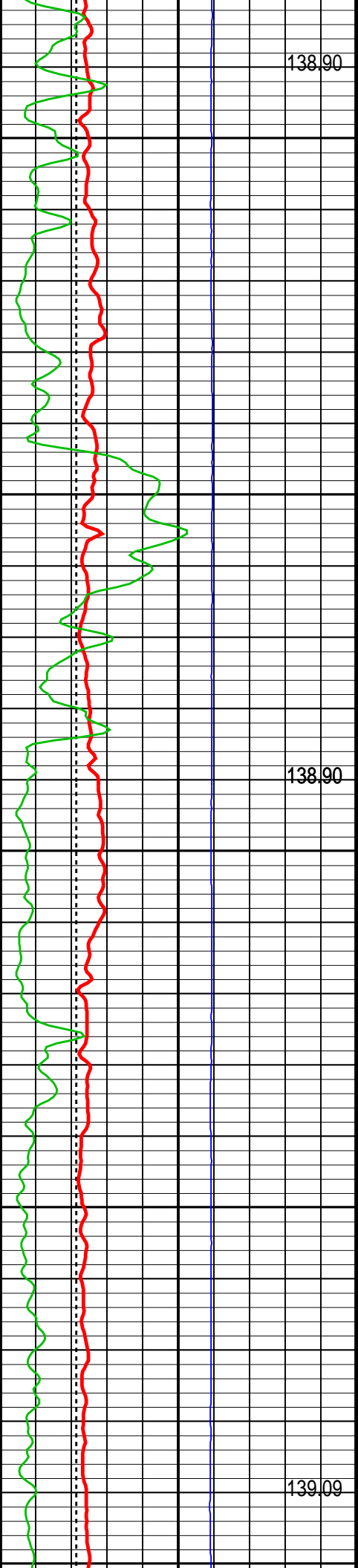
7300

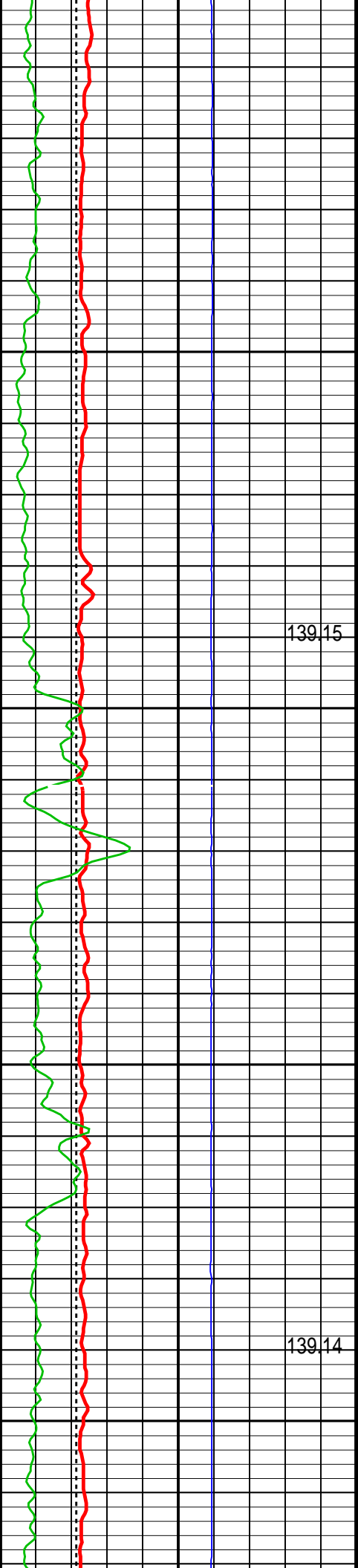
138.70

7400







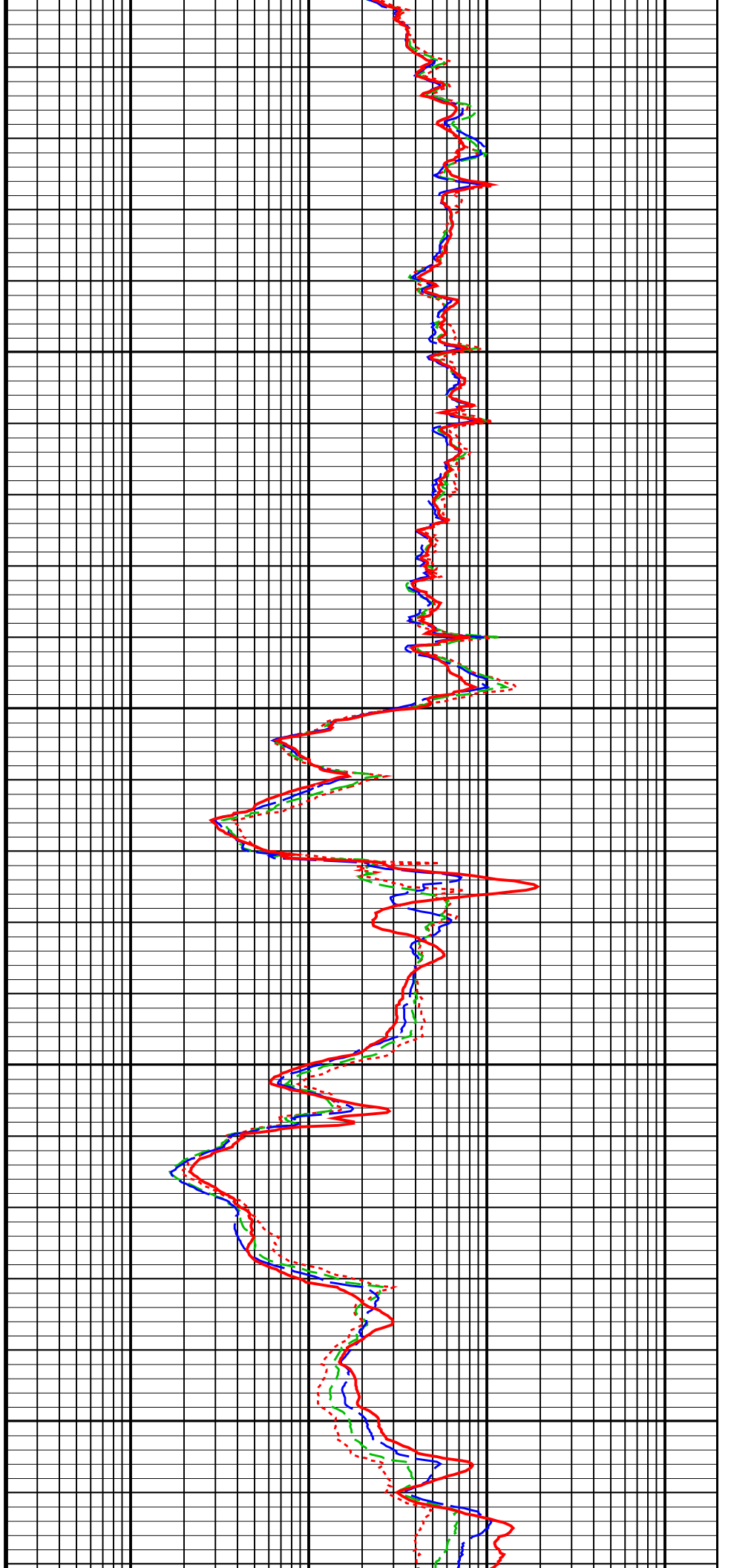


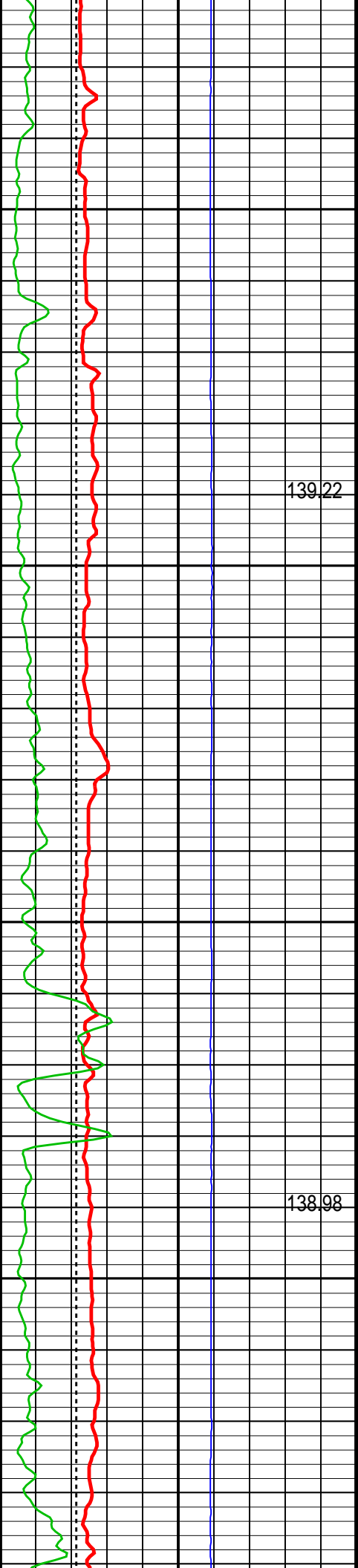
7900

139.15

8000

139.14



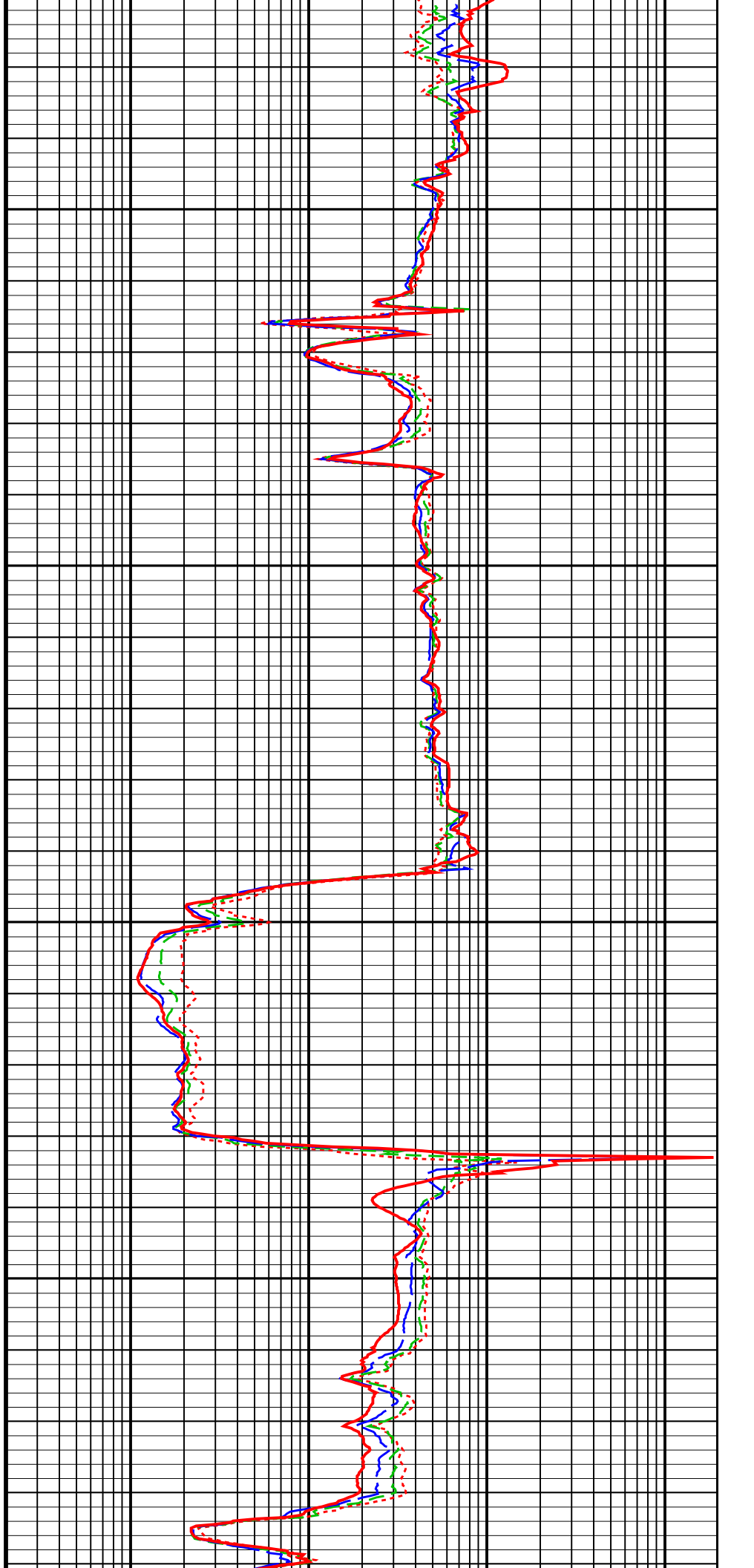


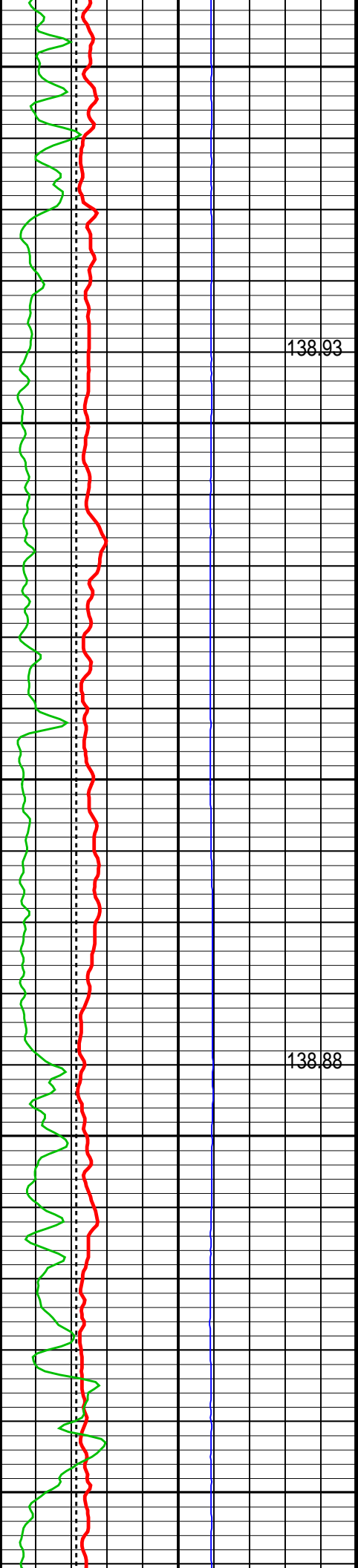
8100

139.22

8200

138.98





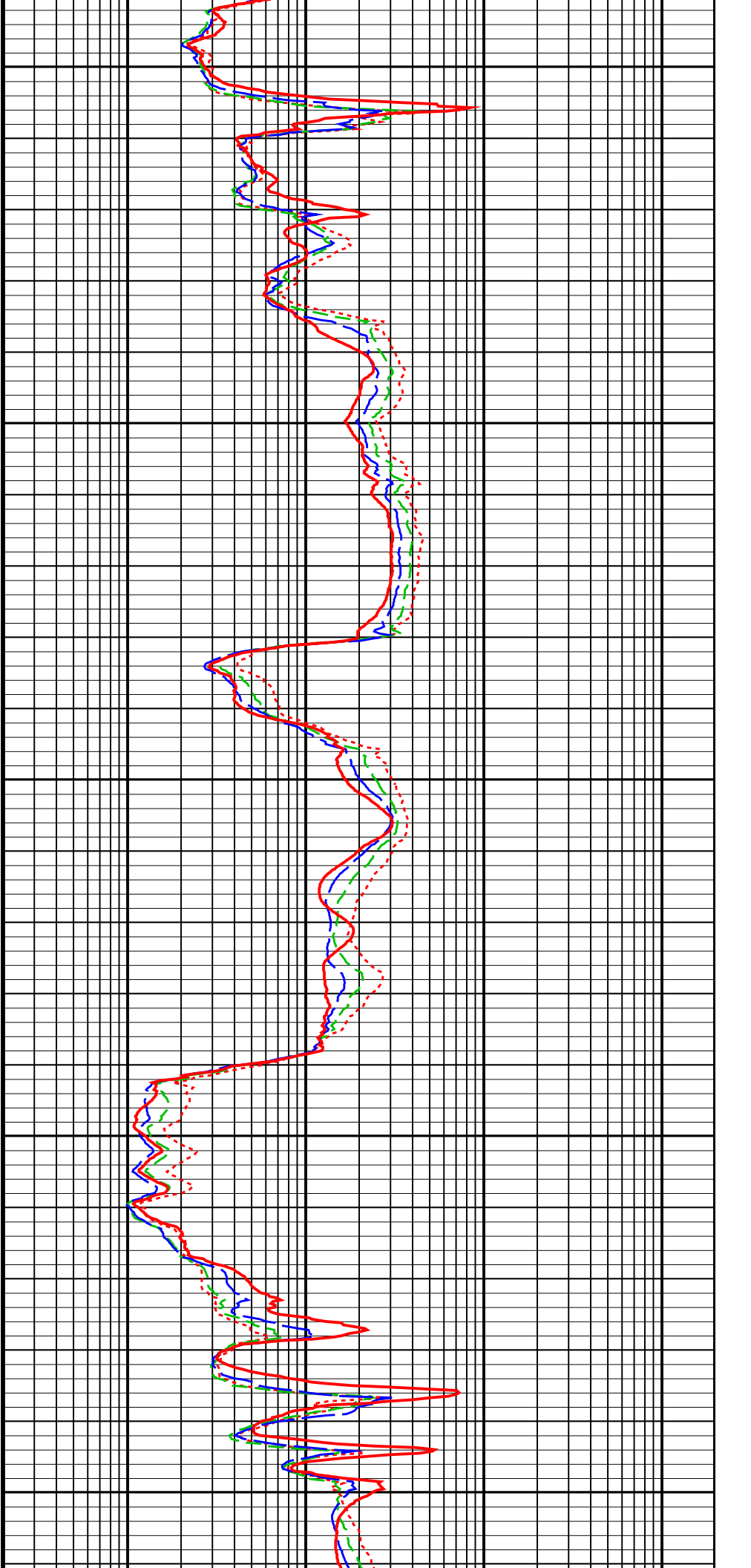
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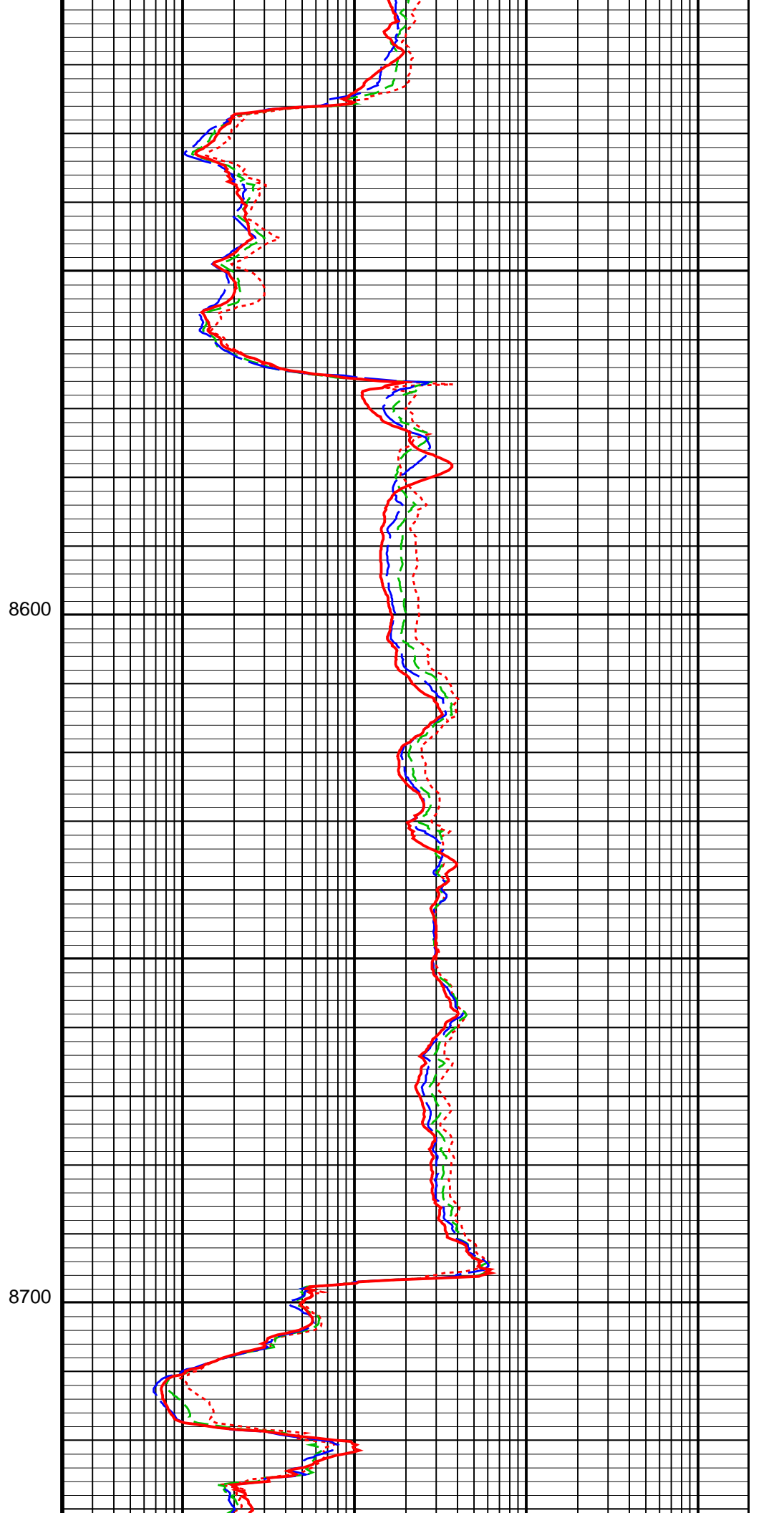
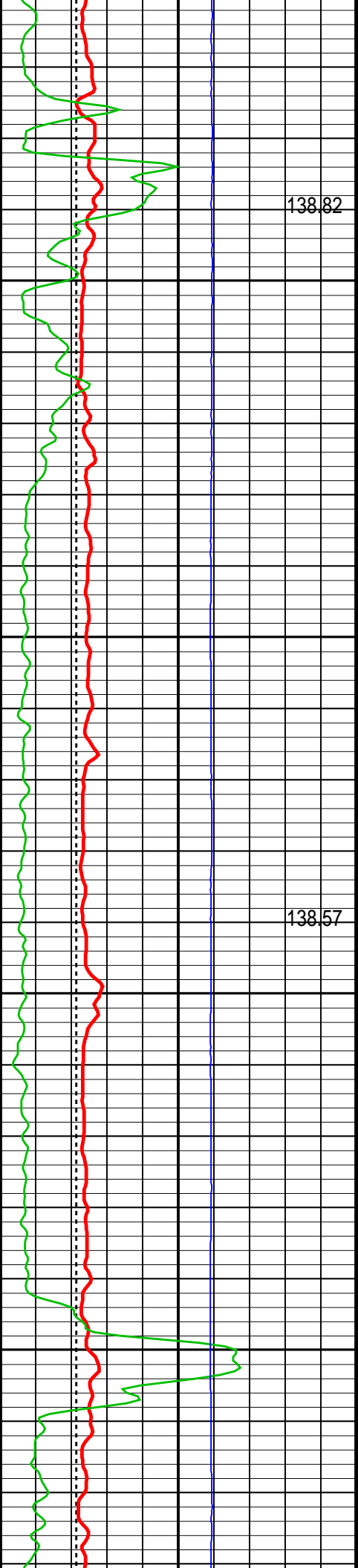
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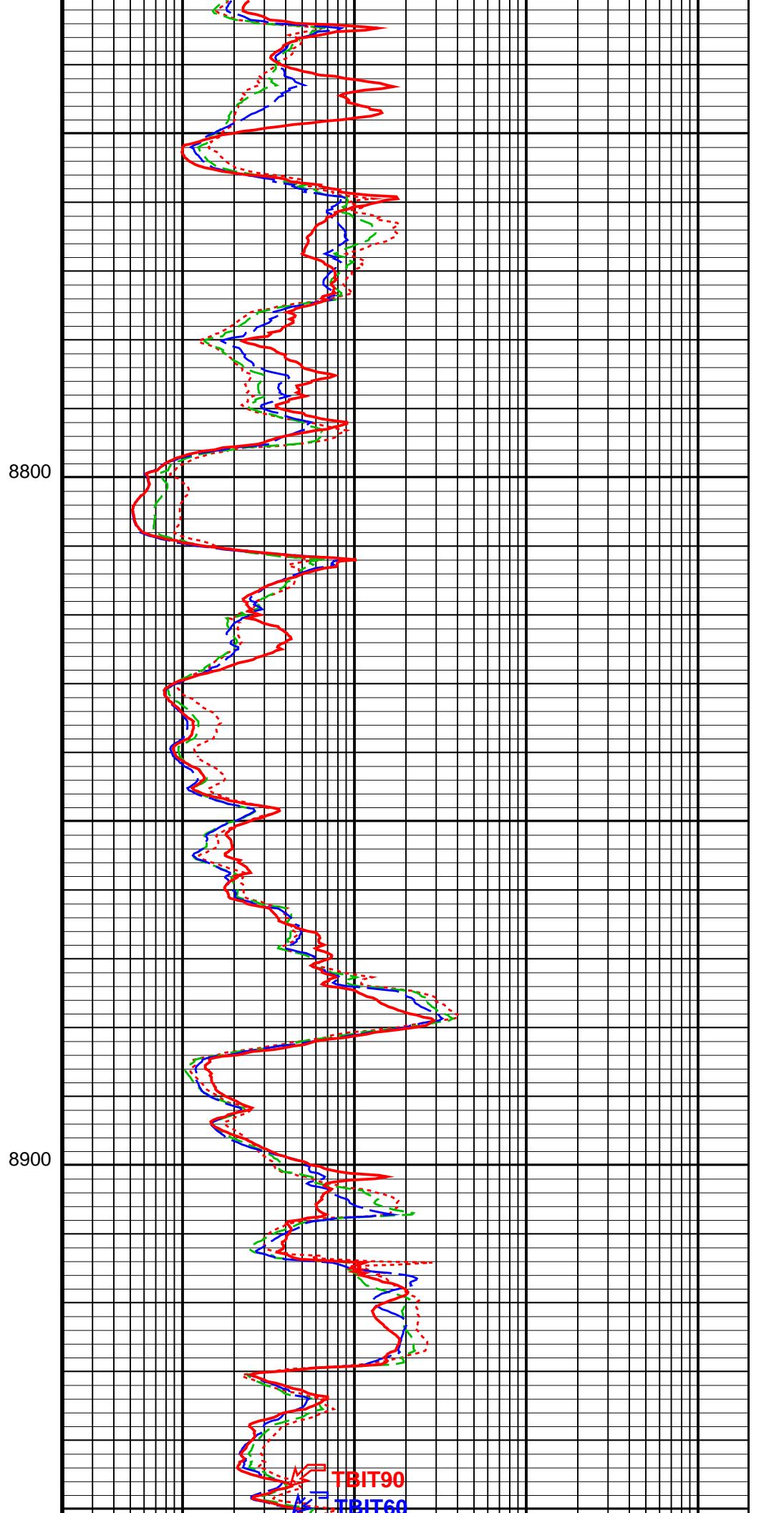
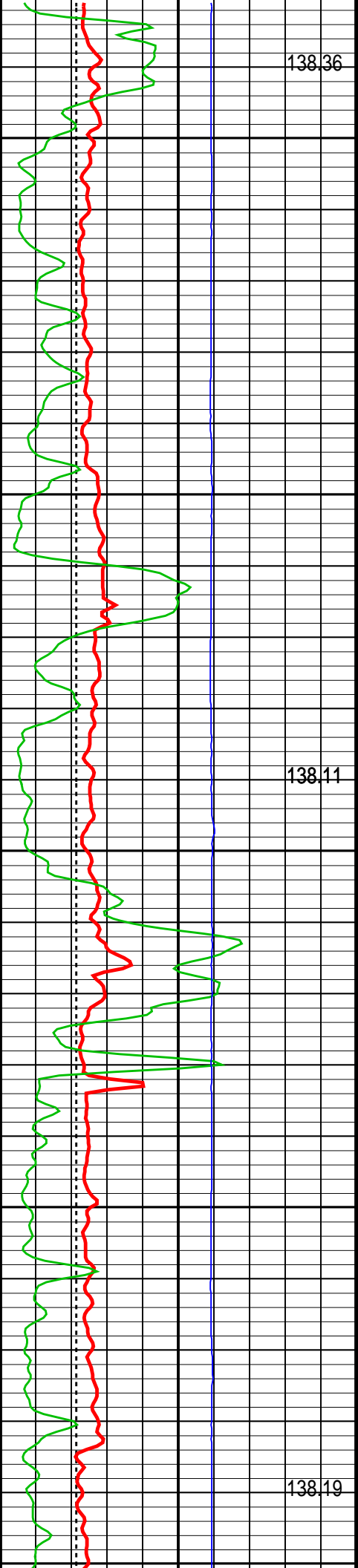
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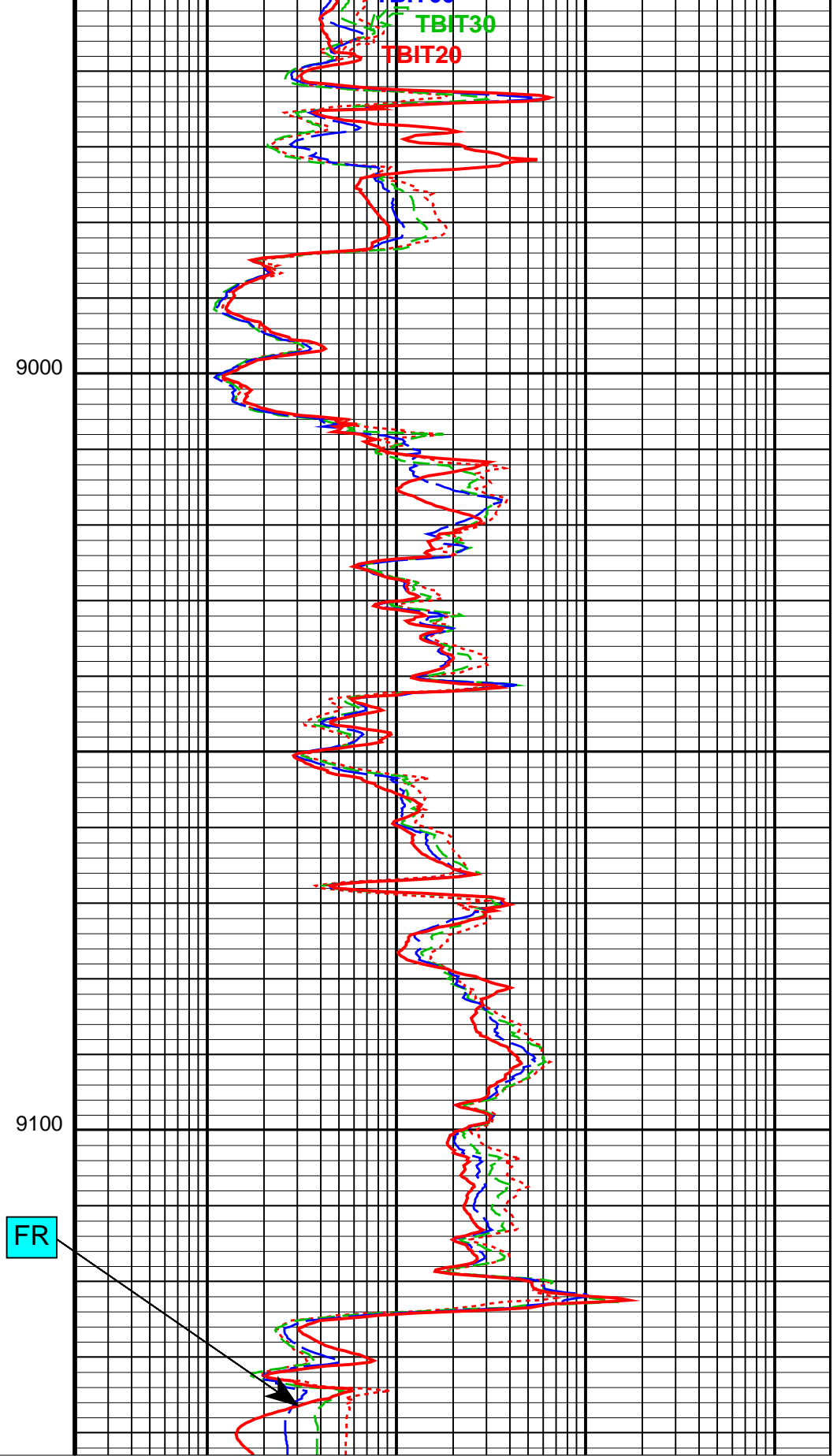
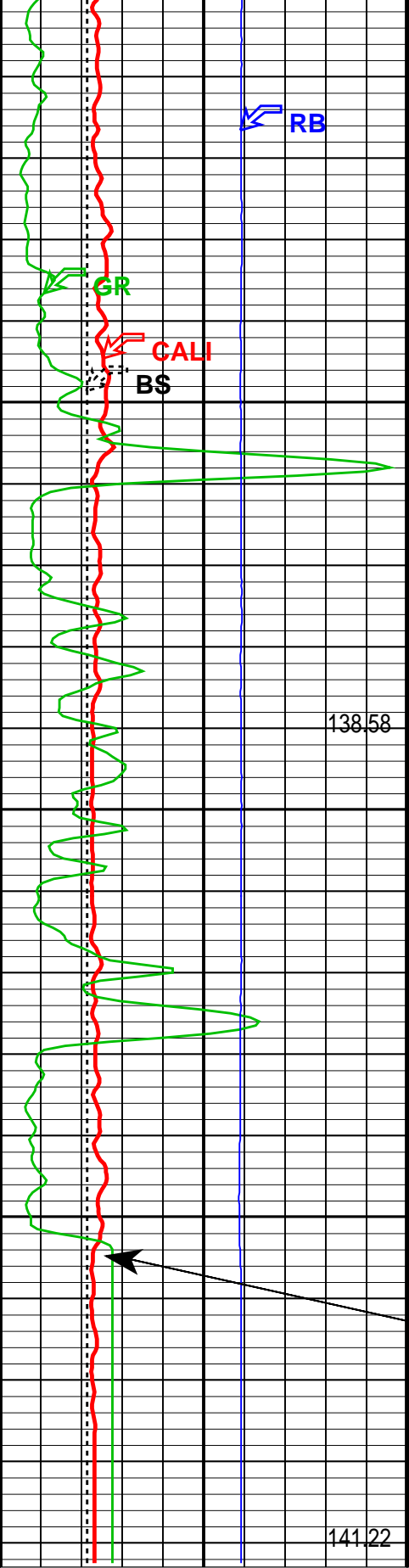
138.88

8500









GR Temp (WTEP) (DEGF)	
Bit Size (BS) (IN)	4 14
Gamma Ray (GR) (GAPI)	0 150

TBI 20 Inch Investigation (TBIT20) (OHMM)	0.2 2000
TBI 30 Inch Investigation (TBIT30) (OHMM)	0.2 2000
TBI 60 Inch Investigation (TBIT60) (OHMM)	0.2 2000

Gamma Ray 1 (GR)		
150	(GAPI)	300
Gamma Ray 2 (GR)		
300	(GAPI)	450
Gamma Ray 3 (GR)		
450	(GAPI)	600
Gamma Ray 4 (GR)		
600	(GAPI)	750
Caliper (CALI)		
4	(IN)	14
gr wrap1 From LHT1 to GR1		
gr wrap2 From LHT1 to GR2		
gr wrap3 From LHT1 to GR3		
gr wrap4 From LHT1 to GR4		
		Relative Bearing
		(RB)
0	(DEG)	940

TBI 90 Inch Investigation (TBIT90)		
0.2	(OHMM)	2000

Parameters

DLIS Name	Description	Value
TBT-A: ThruBit String		
MT	Mud Type (for TBN and TBI correction)	WBM
RB_OFFSET	Additional RB offset (degrees)	0.000 deg
TBI_ALGO	TBI Algorithm Selection	AIT
TBI_BHC_OP	Borehole Correction Option (for TBI)	CALIPER
TBI_CALTYP	TBI Mastercal Type	THRUBIT
TBI_REPL_ARRAY_DEST	TBI: Replace This Array	NONE
TBI_REPL_ARRAY_SOURCE	TBI: With This Array	NONE
TBI_TC_OP	Induction Temperature Correction Option	LOWER
System and Miscellaneous		
BS	Bit Size	6.125 in

Format: TB_5INCH_RESISTIVITY Vertical Scale: 5" per 100' Graphics File Created: 30-Jul-2014 05:06

OP System Version: 19C2-270

TBT SRPC-5298-ThruBit_b

Input DLIS Files

DEFAULT	SPLICE_botto019ass	FN:1	PRODUCER	30-Jul-2014 05:05	9142.8 FT	2393.1 FT
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CALIBRATIONS

ThruBit String / Equipment Identification

Primary Equipment:

Induction Resistivity
 Density
 Gamma-Ray Logging Source
 Thermal Neutron
 Neutron Logging Source
 Telemetry Memory GR
 Battery
 Battery

TBI – A 48
 TBD – A 46
 GGLS – FZ 3216
 TBN – A 18
 NNLS – EWA 4484
 TMG – A 27
 TBAT – 2
 TBAT – 1

Auxiliary Equipment:

ThruBit String Master Calibration					
TBI Master Calibration Sonde Errors					
Freq 1, A1, R	Value	Nominal	Freq 1, A1, X	Value	Nominal
	-477.754	-457.000		-47.2811	300.000
-536.000 (Minimum)	(Nominal)	-387.000 (Maximum)	-500.000 (Minimum)	(Nominal)	1100.00 (Maximum)
Freq 1, A2, R	Value	Nominal	Freq 1, A2, X	Value	Nominal
	-148.548	-141.000		11.9862	320.000
-162.000 (Minimum)	(Nominal)	-120.000 (Maximum)	-75.0000 (Minimum)	(Nominal)	700.000 (Maximum)
Freq 1, A3, R	Value	Nominal	Freq 1, A3, X	Value	Nominal
	-29.5006	-28.0000		-43.8062	50.0000
-38.0000 (Minimum)	(Nominal)	-18.0000 (Maximum)	-375.000 (Minimum)	(Nominal)	475.000 (Maximum)
Freq 1, A4, R	Value	Nominal	Freq 1, A4, X	Value	Nominal
	-17.1795	-16.0000		223.227	300.000
-24.0000 (Minimum)	(Nominal)	-8.00000 (Maximum)	25.0000 (Minimum)	(Nominal)	575.000 (Maximum)
Freq 1, A5, R	Value	Nominal	Freq 1, A5, X	Value	Nominal
	-14.9890	-14.0000		108.223	150.000
-21.0000 (Minimum)	(Nominal)	-7.00000 (Maximum)	25.0000 (Minimum)	(Nominal)	275.000 (Maximum)
Freq 2, A1, R	Value	Nominal	Freq 2, A1, X	Value	Nominal
	-248.729	-237.000		-63.9629	150.000
-293.000 (Minimum)	(Nominal)	-186.000 (Maximum)	-375.000 (Minimum)	(Nominal)	675.000 (Maximum)
Freq 2, A2, R	Value	Nominal	Freq 2, A2, X	Value	Nominal
	-96.3757	-92.0000		-20.3241	160.000
-106.000 (Minimum)	(Nominal)	-76.0000 (Maximum)	-100.000 (Minimum)	(Nominal)	425.000 (Maximum)
Freq 2, A3, R	Value	Nominal	Freq 2, A3, X	Value	Nominal
	-21.3083	-21.0000		-81.3063	-20.0000
-28.0000 (Minimum)	(Nominal)	-13.0000 (Maximum)	-325.000 (Minimum)	(Nominal)	250.000 (Maximum)
Freq 2, A4, R	Value	Nominal	Freq 2, A4, X	Value	Nominal
	-20.1695	-20.0000		55.8334	100.000
-28.0000 (Minimum)	(Nominal)	-10.0000 (Maximum)	-75.0000 (Minimum)	(Nominal)	275.000 (Maximum)
Freq 2, A5, R	Value	Nominal	Freq 2, A5, X	Value	Nominal
	-19.7655	-20.0000		-29.5598	-25.0000
-27.0000 (Minimum)	(Nominal)	-10.0000 (Maximum)	-125.000 (Minimum)	(Nominal)	75.0000 (Maximum)
Freq 3, A1, R	Value	Nominal	Freq 3, A1, X	Value	Nominal
	-158.303	-149.000		-118.392	25.0000
-193.000 (Minimum)	(Nominal)	-108.000 (Maximum)	-375.000 (Minimum)	(Nominal)	425.000 (Maximum)
Freq 3, A2, R	Value	Nominal	Freq 3, A2, X	Value	Nominal
	-73.4697	-70.0000		-56.5094	70.0000
-81.0000 (Minimum)	(Nominal)	-57.0000 (Maximum)	-125.000 (Minimum)	(Nominal)	250.000 (Maximum)

Freq 3, A3, R		Value	Nominal	Freq 3, A3, X		Value	Nominal
		-17.3847	-17.0000			-119.295	-90.0000
-23.0000 (Minimum)	(Nominal)	-11.0000 (Maximum)		-300.000 (Minimum)	(Nominal)	125.000 (Maximum)	
Freq 3, A4, R		Value	Nominal	Freq 3, A4, X		Value	Nominal
		-21.8296	-22.0000			-57.6300	-50.0000
-31.0000 (Minimum)	(Nominal)	-11.0000 (Maximum)		-200.000 (Minimum)	(Nominal)	100.000 (Maximum)	
Freq 3, A5, R		Value	Nominal	Freq 3, A5, X		Value	Nominal
		-22.3674	-22.0000			-132.582	-110.000
-32.0000 (Minimum)	(Nominal)	-11.0000 (Maximum)		-250.000 (Minimum)	(Nominal)	-25.0000 (Maximum)	
Freq 4, A1, R		Value	Nominal	Freq 4, A1, X		Value	Nominal
		-86.9244	-80.0000			-238.503	-190.000
-108.000 (Minimum)	(Nominal)	-54.0000 (Maximum)		-450.000 (Minimum)	(Nominal)	75.0000 (Maximum)	
Freq 4, A2, R		Value	Nominal	Freq 4, A2, X		Value	Nominal
		-52.6892	-50.0000			-121.709	-75.0000
-60.0000 (Minimum)	(Nominal)	-41.0000 (Maximum)		-200.000 (Minimum)	(Nominal)	50.0000 (Maximum)	
Freq 4, A3, R		Value	Nominal	Freq 4, A3, X		Value	Nominal
		-13.6973	-14.0000			-188.964	-190.000
-19.0000 (Minimum)	(Nominal)	-8.00000 (Maximum)		-350.000 (Minimum)	(Nominal)	-25.0000 (Maximum)	
Freq 4, A4, R		Value	Nominal	Freq 4, A4, X		Value	Nominal
		-25.1397	-25.0000			-228.660	-235.000
-37.0000 (Minimum)	(Nominal)	-11.0000 (Maximum)		-400.000 (Minimum)	(Nominal)	-75.0000 (Maximum)	
Freq 4, A5, R		Value	Nominal	Freq 4, A5, X		Value	Nominal
		-28.4649	-28.0000			-309.437	-300.000
-43.0000 (Minimum)	(Nominal)	-12.0000 (Maximum)		-475.000 (Minimum)	(Nominal)	-125.000 (Maximum)	
Master: 5-Jun-2014 10:00							

ThruBit String Master Calibration							
TBI Master Calibration COMPLEX GAINS							
Freq 1, R		Value	Nominal	Freq 1, X		Value	Nominal
		0.9896	1.000			-0.001894	0
		0.9874	1.000			0.001263	0
		0.9915	1.000			-0.006632	0
		0.9919	1.000			0.001961	0
		0.9955	1.000			0.001397	0
0.9500 (Minimum)	(Nominal)	1.050 (Maximum)		-0.05000 (Minimum)	(Nominal)	0.05000 (Maximum)	
Freq 2, R		Value	Nominal	Freq 2, X		Value	Nominal
		0.9848	1.000			-0.007803	0
		0.9821	1.000			-0.005261	0
		0.9806	1.000			-0.005601	0
		0.9876	1.000			-0.005181	0
		0.9917	1.000			-0.003985	0
0.9500 (Minimum)	(Nominal)	1.050 (Maximum)		-0.05000 (Minimum)	(Nominal)	0.05000 (Maximum)	
Freq 3, R		Value	Nominal	Freq 3, X		Value	Nominal
		0.9847	1.000			-0.003502	0
		0.9825	1.000			-0.001610	0
		0.9807	1.000			-0.001887	0
		0.9865	1.000			-0.001574	0
		0.9930	1.000			-0.0004105	0
0.9500 (Minimum)	(Nominal)	1.050 (Maximum)		-0.05000 (Minimum)	(Nominal)	0.05000 (Maximum)	

(Minimum)	(Nominal)	(Maximum)	(Minimum)	(Nominal)	(Maximum)
Freq 4, R			Freq 4, X		
	Value	Nominal		Value	Nominal
	0.9877	1.000		-0.008021	0
	0.9851	1.000		-0.006480	0
	0.9854	1.000		-0.008695	0
	0.9901	1.000		-0.007741	0
	1.003	1.000		-0.007561	0
0.9300	1.070		-0.05000	0.05000	
(Minimum)	(Nominal)	(Maximum)	(Minimum)	(Nominal)	(Maximum)

Master: 5-Jun-2014 10:00

ThruBit String Master Calibration								
TBD Caliper Master Calibration								
Caliper 12in Ring IN	Value	Nominal	Caliper 9in Ring IN	Value	Nominal	Caliper 6in Ring IN	Value	Nominal
	1867.9	1949.8		2021.9	2096.7		2184.2	2285.7
1799.8	2099.8		1946.7	2246.7		2135.7	2435.7	
(Minimum)	(Nominal)	(Maximum)	(Minimum)	(Nominal)	(Maximum)	(Minimum)	(Nominal)	(Maximum)

Master: 2-Jul-2014 11:19

ThruBit String Master Calibration						
TBD Density Master Calibration. PEEK Window, ThruBit blocks						
Aluminium Density G/C3	Value	Nominal	Magnesium Density G/C3	Value	Nominal	
	2.607	2.607		1.752	1.752	
2.557	2.657		1.702	1.802		
(Minimum)	(Nominal)	(Maximum)	(Minimum)	(Nominal)	(Maximum)	
LS1 Background CPS	Value	Nominal	SS1 Background CPS	Value	Nominal	
	136.88	140.00		132.25	140.00	
100.00	187.00		100.00	185.00		
(Minimum)	(Nominal)	(Maximum)	(Minimum)	(Nominal)	(Maximum)	
LS4 Background CPS	Value	Nominal	SS1 Aluminium CPS	Value	Nominal	
	27.42	29.00		4557.49	4850.00	
20.00	38.00		4076.00	5613.00		
(Minimum)	(Nominal)	(Maximum)	(Minimum)	(Nominal)	(Maximum)	
LS1 Aluminium CPS	Value	Nominal	SS1 Magnesium CPS	Value	Nominal	
	841.77	870.00		7581.66	8000.00	
750.00	982.00		6695.00	9269.00		
(Minimum)	(Nominal)	(Maximum)	(Minimum)	(Nominal)	(Maximum)	
LS4 Aluminium CPS	Value	Nominal				
	974.50	955.00				
796.00	1169.0					
(Minimum)	(Nominal)	(Maximum)				
LS1 Al + Sleeve CPS	Value	Nominal				
	772.57	725.00				
650.00	838.00					
(Minimum)	(Nominal)	(Maximum)				
LS4 Al + Sleeve CPS	Value	Nominal				
	497.05	426.50				
382.00	638.00					
(Minimum)	(Nominal)	(Maximum)				
LS1 Magnesium CPS	Value	Nominal				
	5535.38	5800.00				
5158.00	6486.00					
(Minimum)	(Nominal)	(Maximum)				
SS Slope	Value	Nominal				
	1.623	1.645				
1.520	1.770					
(Minimum)	(Nominal)	(Maximum)				
LS Slope	Value	Nominal				
	0.4169	0.4150				
0.3800	0.4500					
(Minimum)	(Nominal)	(Maximum)				
Pef K Factor	Value	Nominal				
	1.818	1.810				
1.810	1.826					
(Minimum)	(Nominal)	(Maximum)				

3.510 (Minimum)	(Nominal)	6.170 (Maximum)	4.810	4.840
Pef B Factor		Value	Nominal	
		-0.6897	-0.5550	
-0.7000 (Minimum)	(Nominal)	-0.4100 (Maximum)		

Master: 2-Jul-2014 11:11

ThruBit String Master Calibration					
Thermal Neutron Master Calibration					
TNF, Background CPS		Value	Nominal	TNN, Background CPS	
		0.15	1.0		
0 (Minimum)	(Nominal)	2.0 (Maximum)		0 (Minimum)	(Nominal)
TNF, Tank CPS		Value	Nominal	TNN, Tank CPS	
		89.66	96.00		
25.00 (Minimum)	(Nominal)	200.0 (Maximum)		750.00 (Minimum)	(Nominal)
TNF, Tank + AI Sleeve CPS		Value	Nominal	TNN, Tank + AI Sleeve CPS	
		2941.7	3040.0		
727.00 (Minimum)	(Nominal)	6080.0 (Maximum)		8000.00 (Minimum)	(Nominal)
Tank + AI Sleeve Ratio		Value	Nominal	Tank + AI Sleeve Porosity PU	
		10.779	10.797		
10.300 (Minimum)	(Nominal)	11.300 (Maximum)		13.40 (Minimum)	(Nominal)
Tank, Ratio		Value	Nominal	Tank, Temperature DEGF	
		29.987	30.958		
28.000 (Minimum)	(Nominal)	34.000 (Maximum)		20.0 (Minimum)	(Nominal)

Master: 1-Jul-2014 11:09

ThruBit String Master Calibration					
TMG Accelerometer Calibration					
Minimum Ax, m/s2		Value	Nominal	Maximum Ax, m/s2	
		N/A	-9.810		
-10.81 (Minimum)	(Nominal)	-8.810 (Maximum)		8.810 (Minimum)	(Nominal)
Minimum Ay, m/s2		Value	Nominal	Maximum Ay, m/s2	
		N/A	-9.810		
-10.81 (Minimum)	(Nominal)	-8.810 (Maximum)		8.810 (Minimum)	(Nominal)
Minimum Az, m/s2		Value	Nominal	Maximum Az, m/s2	
		N/A	0		
-1.000 (Minimum)	(Nominal)	1.000 (Maximum)		8.810 (Minimum)	(Nominal)
RB Offset, degrees		Value	Nominal		
		-17.00	0		
-360.0 (Minimum)	(Nominal)	360.0 (Maximum)			

Master: Calibration not done

ThruBit String Master Calibration					
TMG Gamma-Ray Calibration					
GR Background GAPI		Value	Nominal	GR Jig-Background GAPI	
		28.95	30.00		
0 (Minimum)	(Nominal)	120.0 (Maximum)		136.6 (Minimum)	(Nominal)
				205.0 (Maximum)	

Master: Calibration out of date 15-Oct-2013 12:57

Company: SANDRIDGE ENERGY



Well: SARAH 3306 3-28H
Field: STOHRVILLE
County: HARPER
State: KANSAS

ARRAY INDUCTION
GAMMA RAY
MEMORY LOG

Company: SANDRIDGE ENERGY

Well: SARAH 3306 3-28H

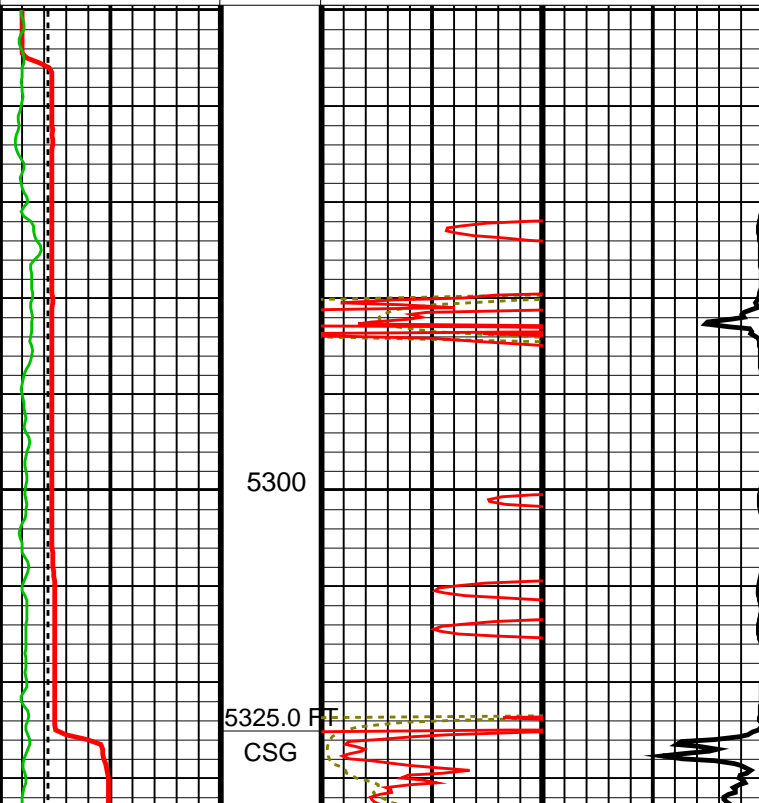
Input DLIS Files

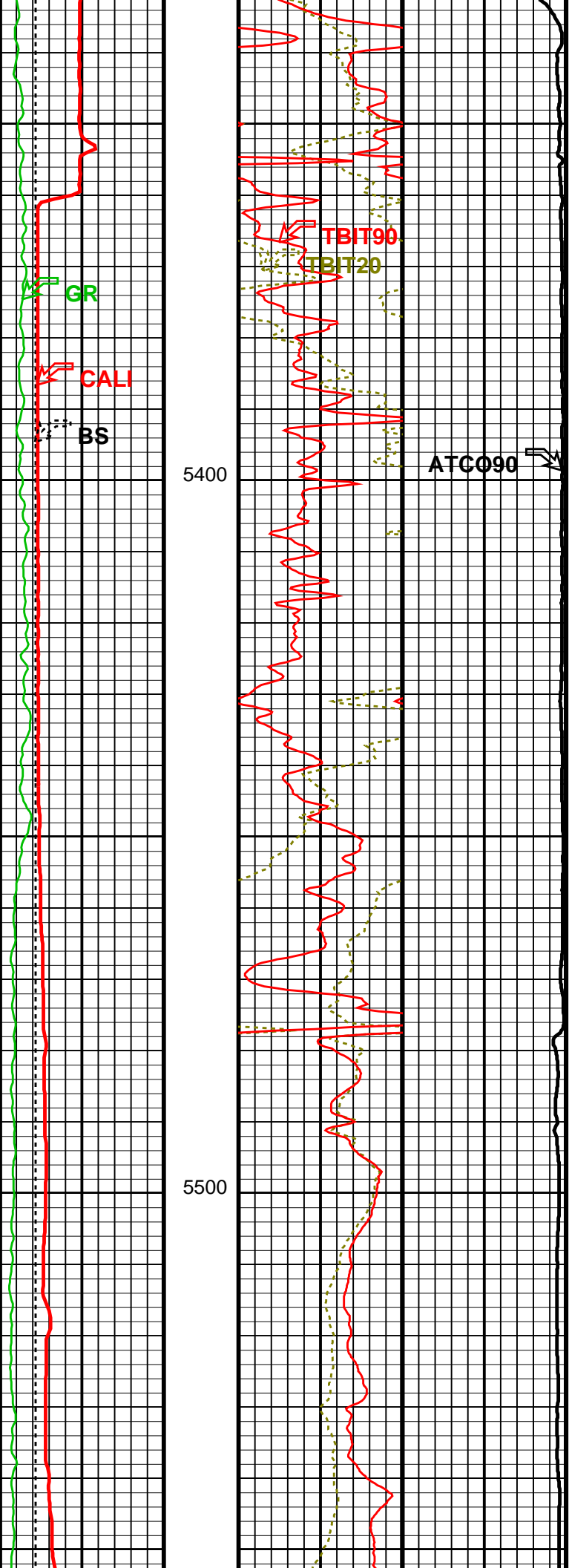
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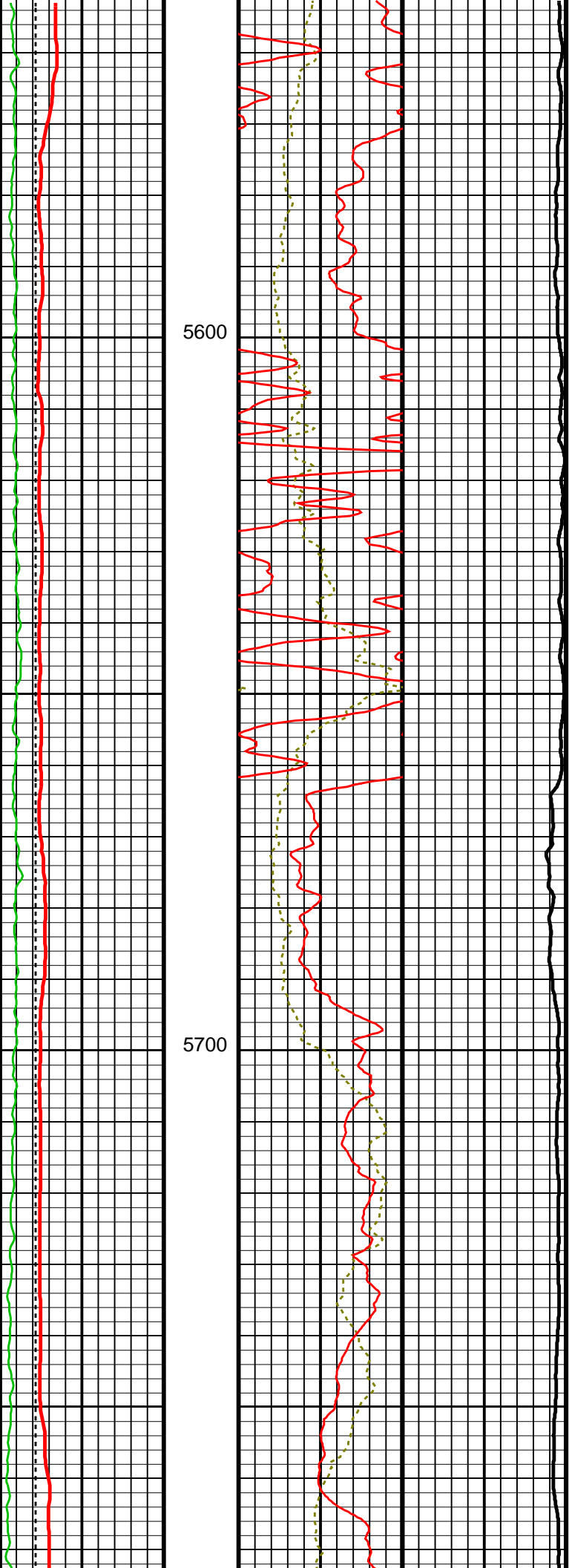
OP System Version: 19C2-270

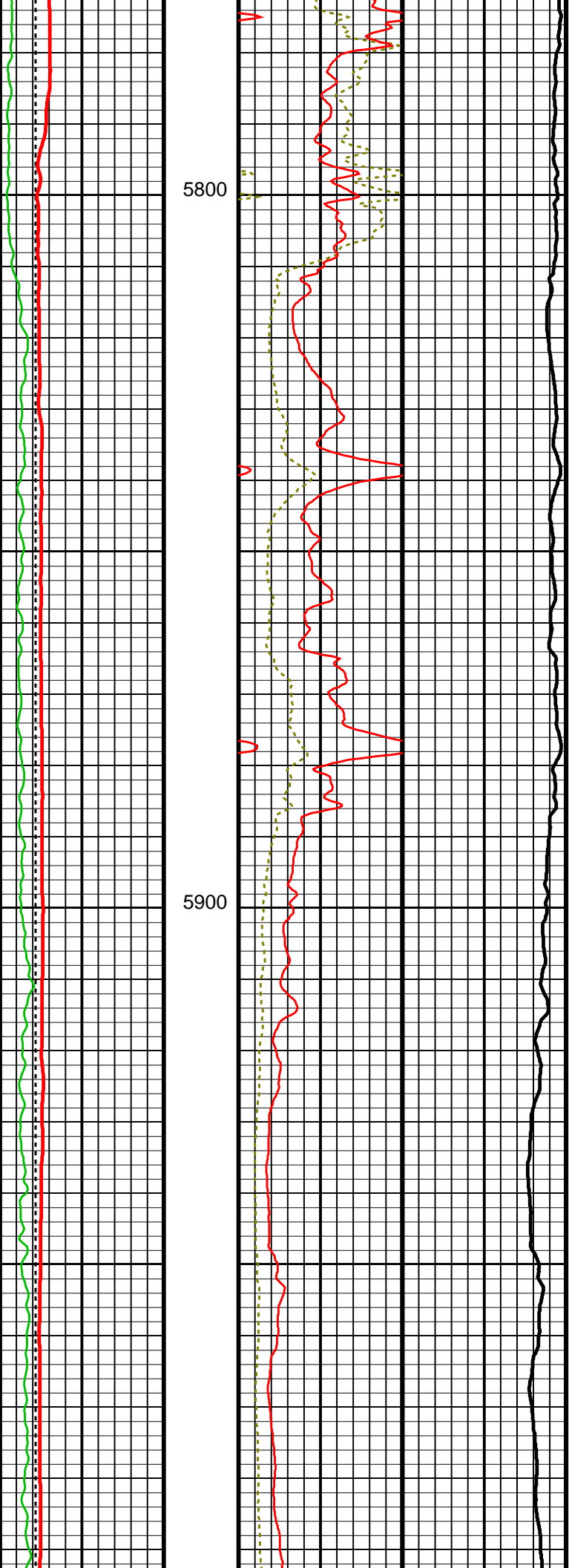
TBT SRPC-5298-ThruBit_b

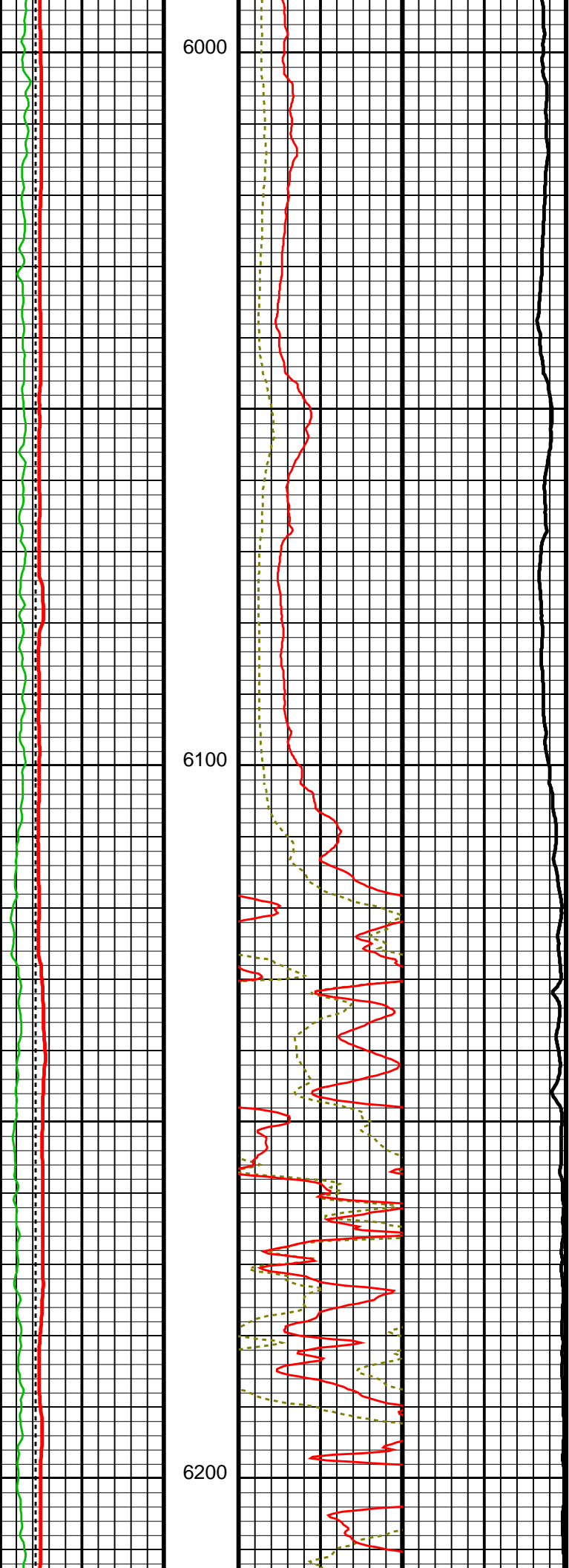
Caliper (CALI) 4 (IN) 14	TBI 90 Inch Investigation (TBIT90) 0 (OHMM) 50
Gamma Ray (GR) 0 (GAPI) 150	TBI 20 Inch Investigation (TBIT20) 0 (OHMM) 50
Bit Size (BS) 4 (IN) 14	AIT 90 Inch Investigation Conductivity (ATCO90) 1000 (MS/M) 0

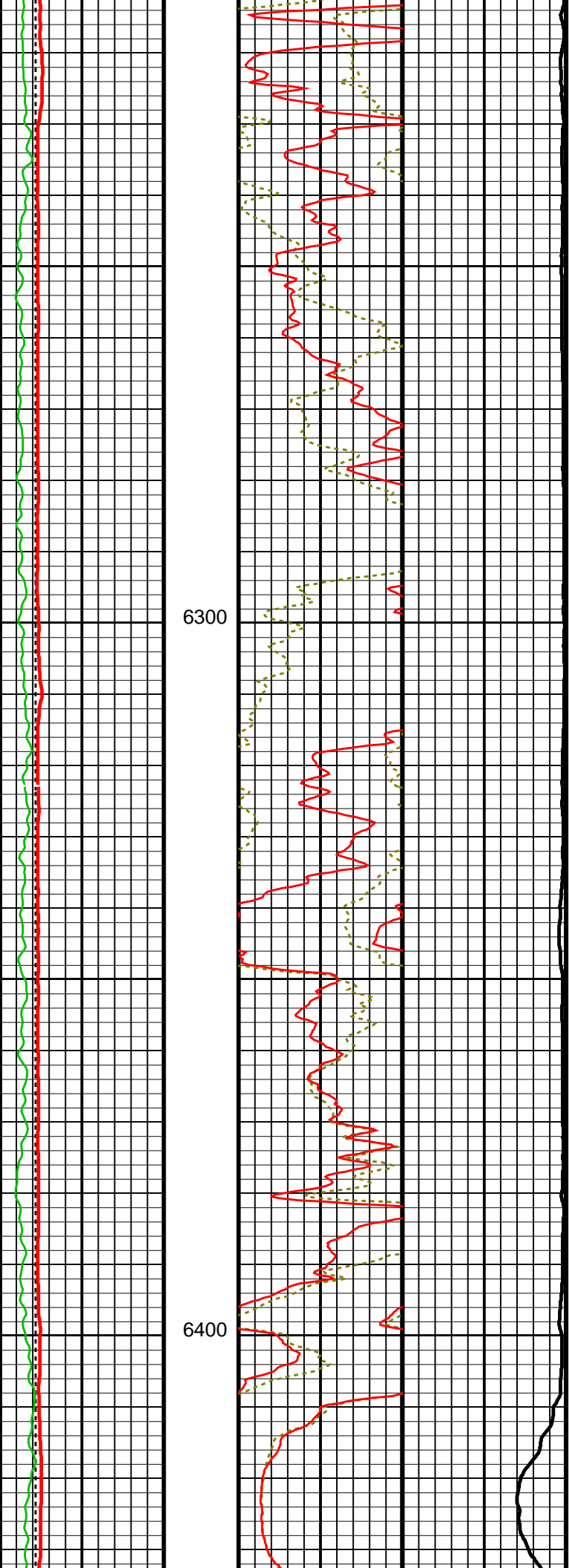


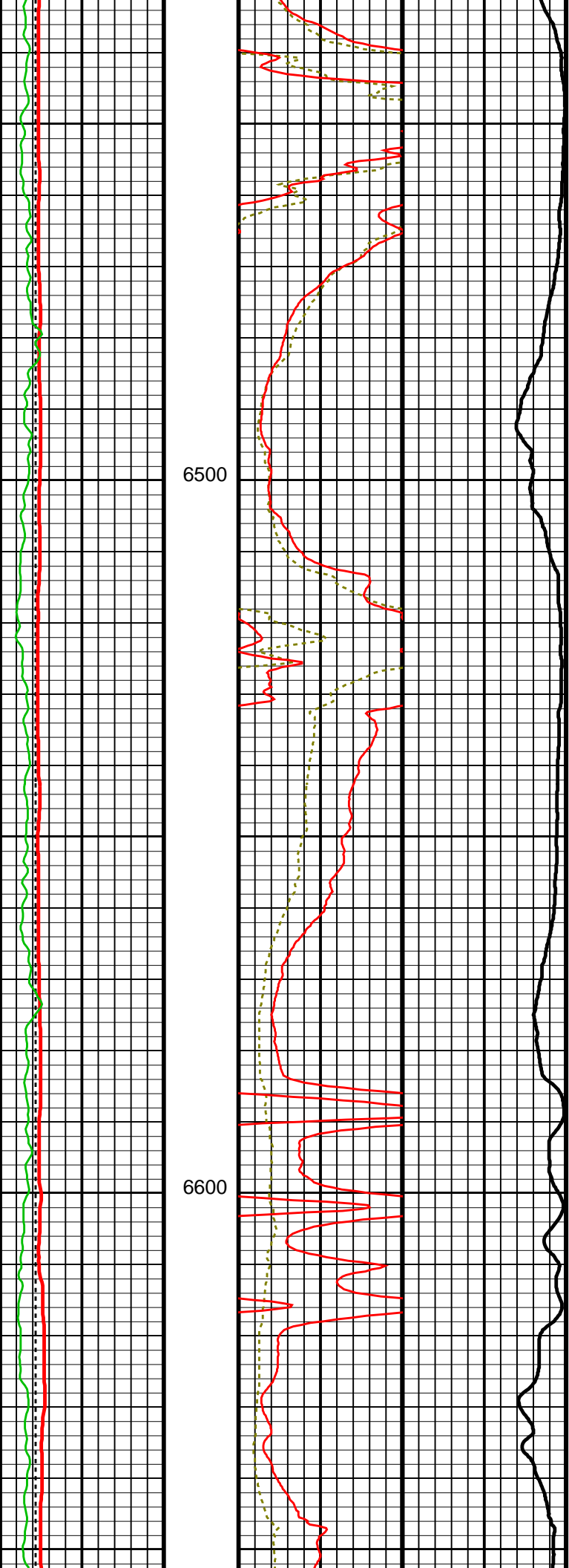


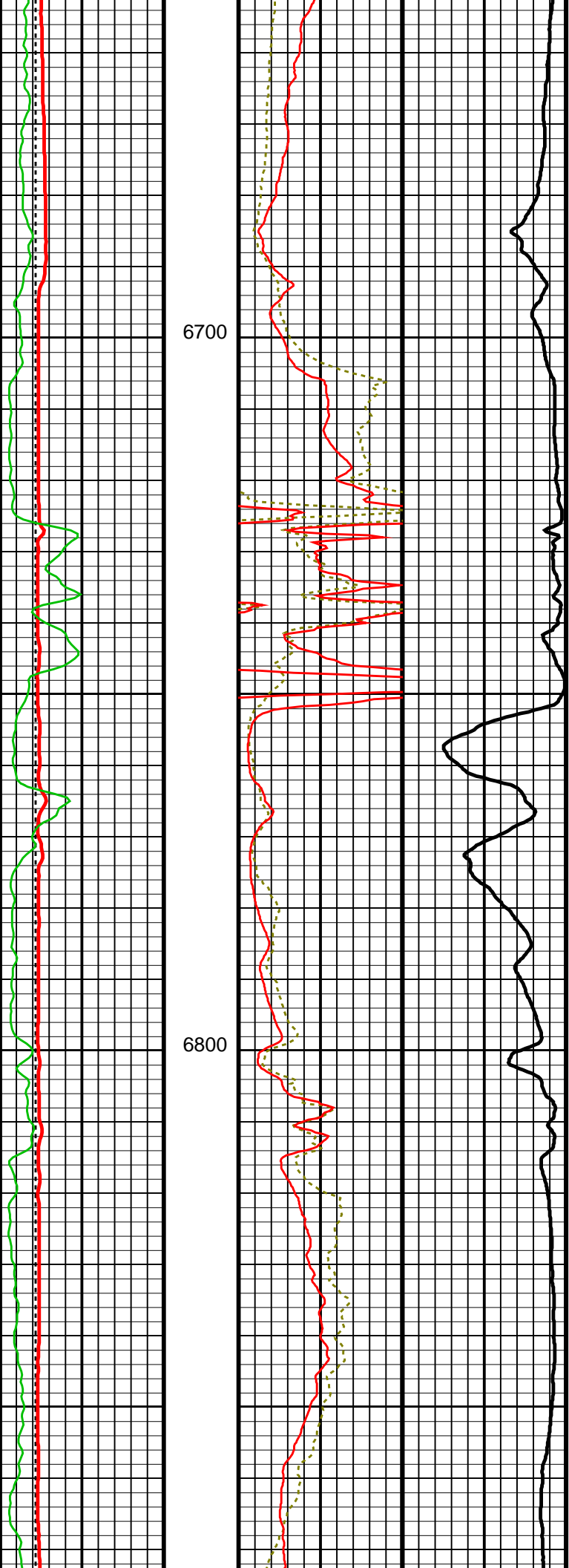


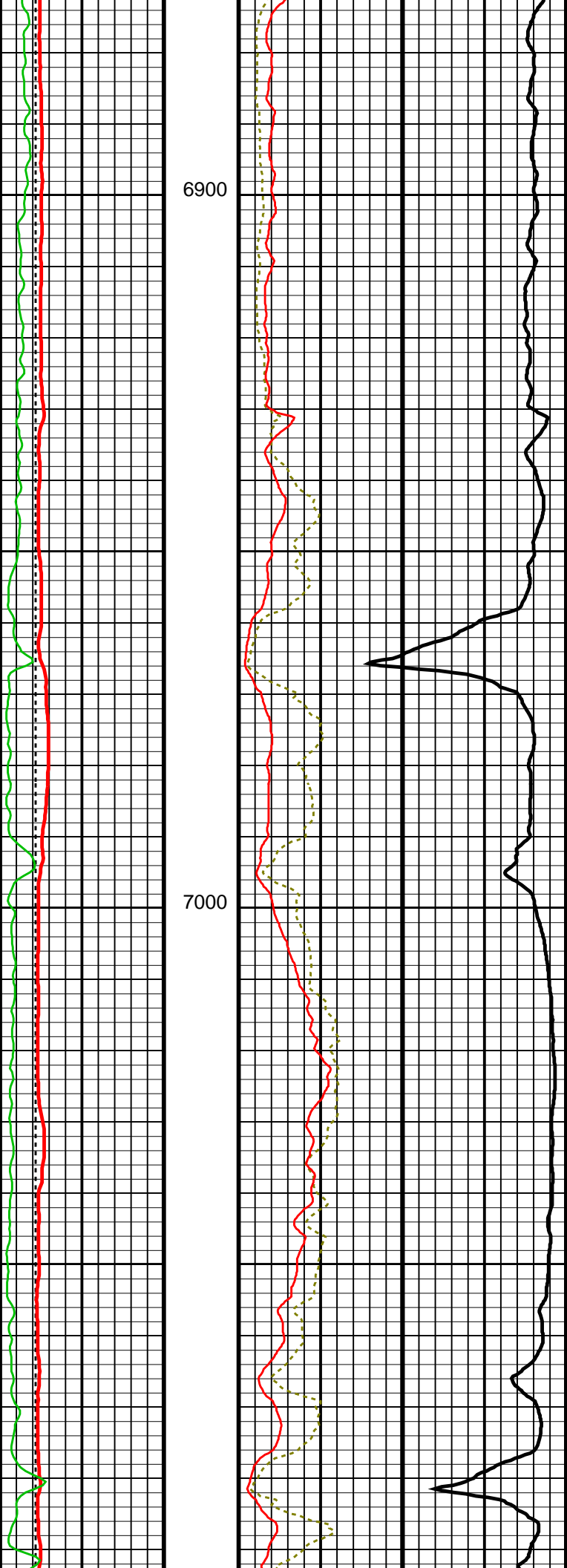


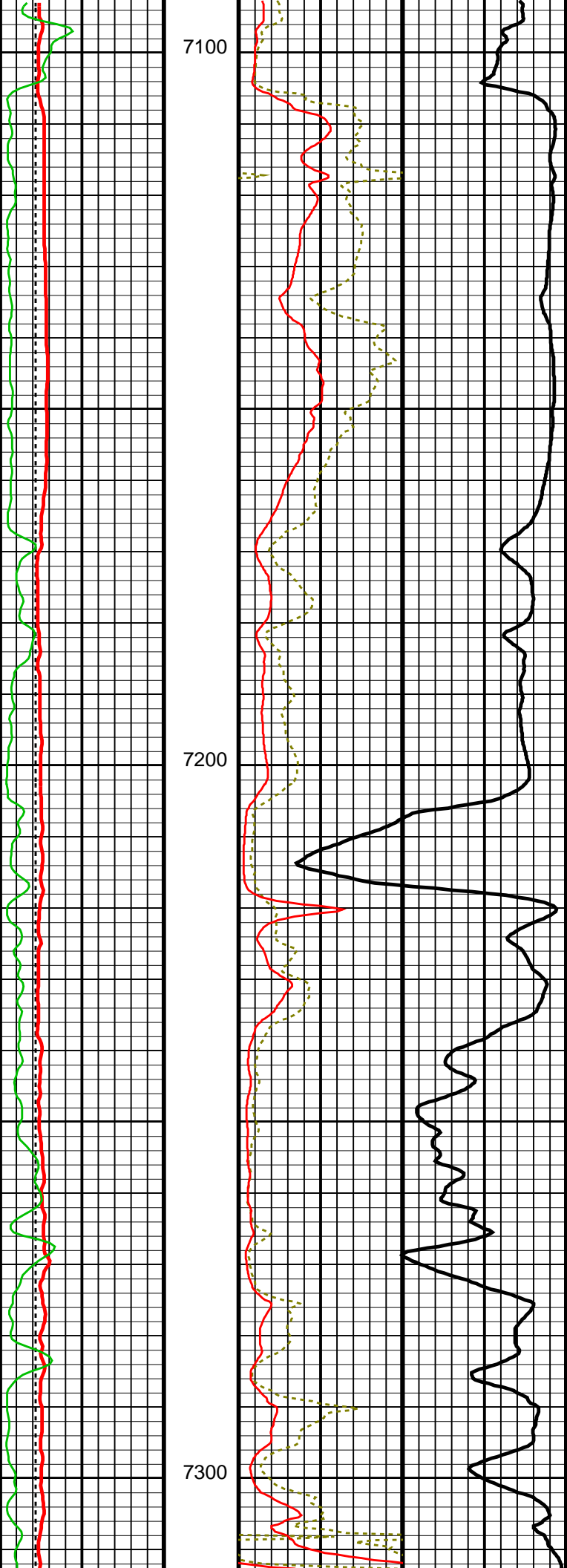


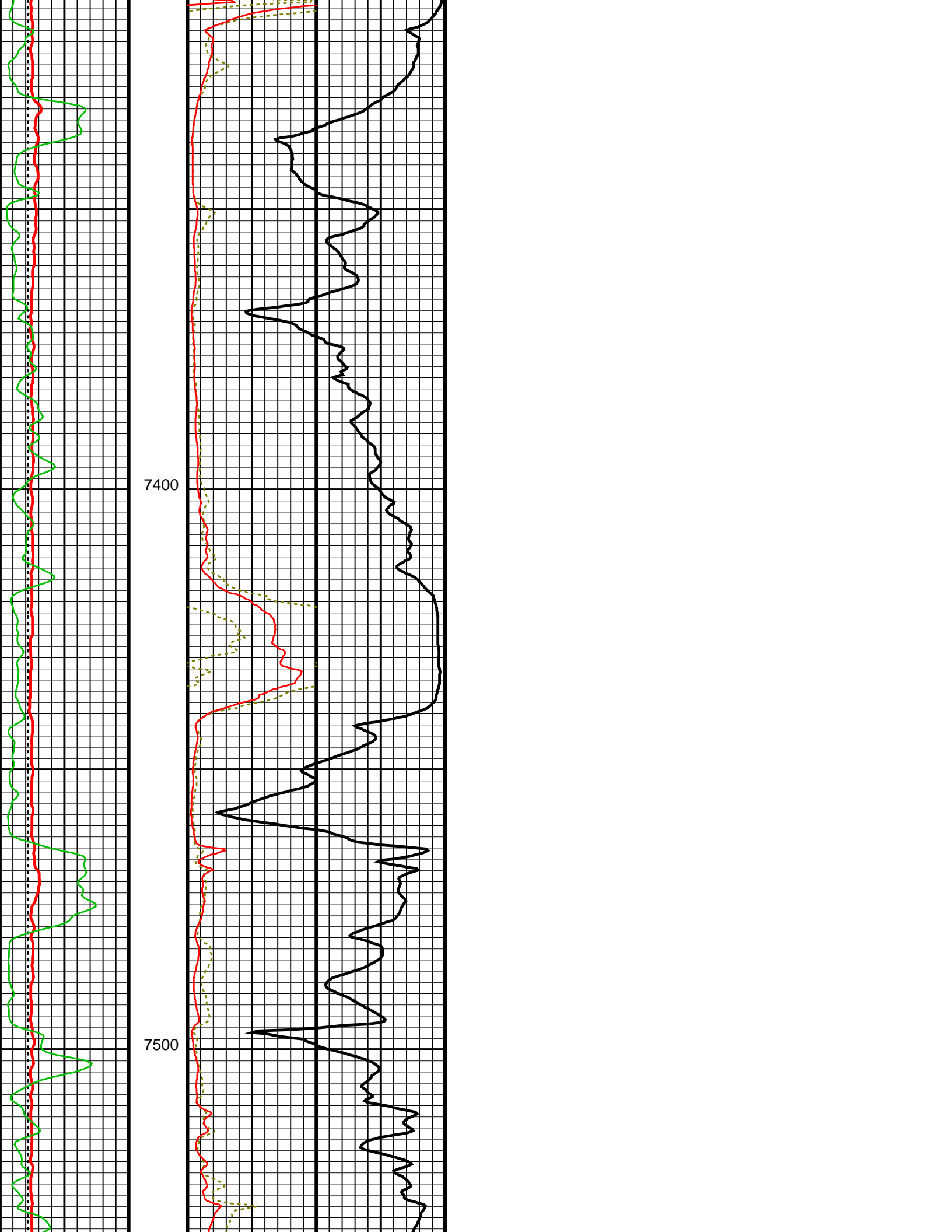


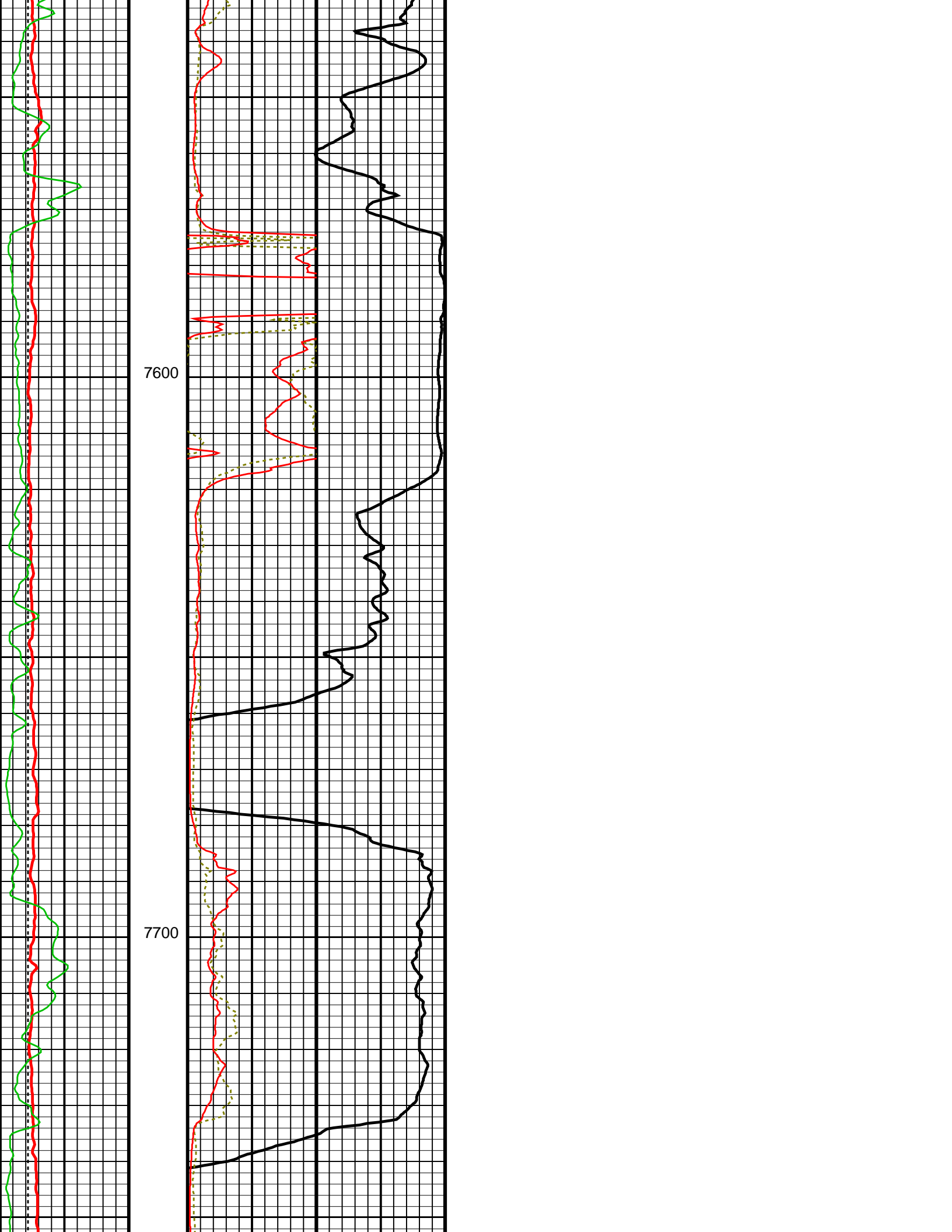


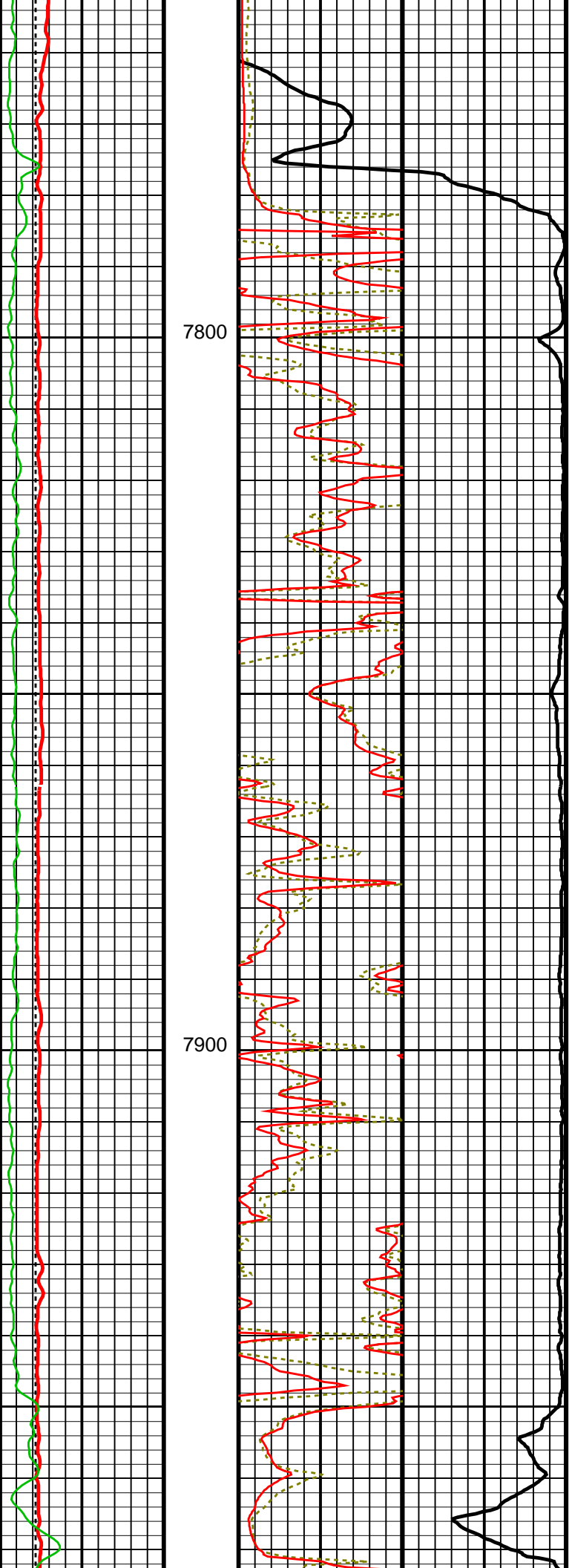




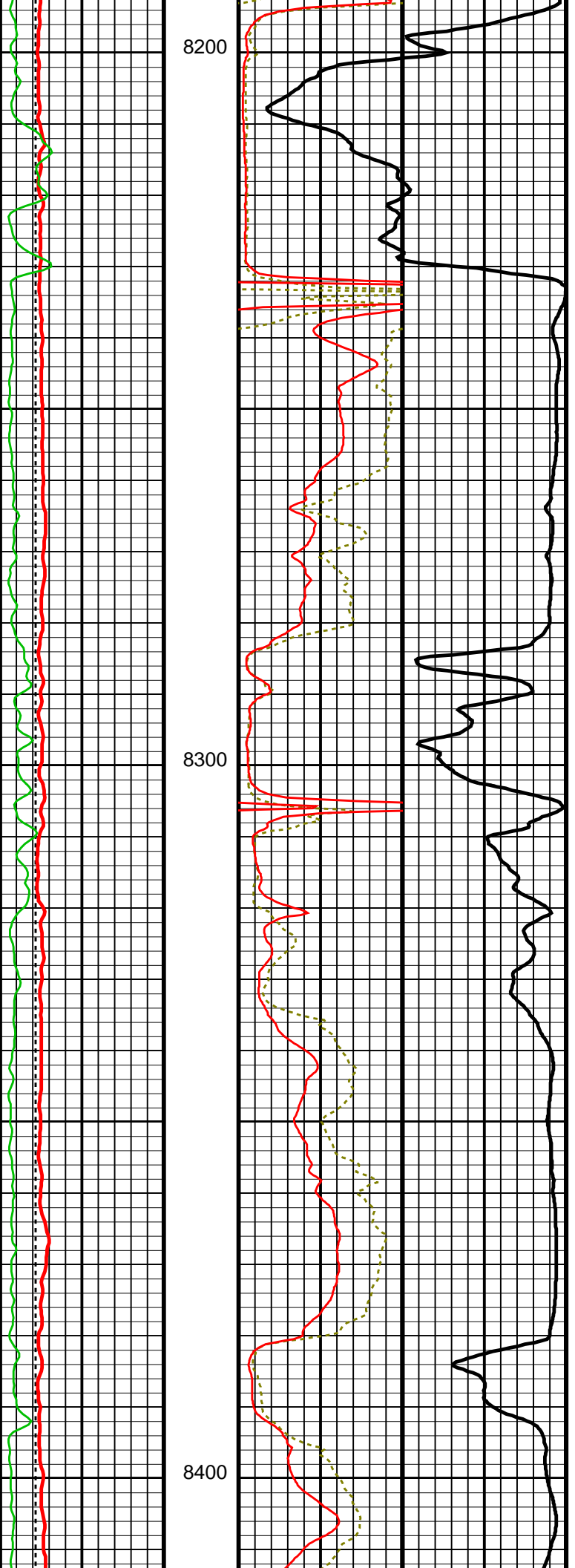


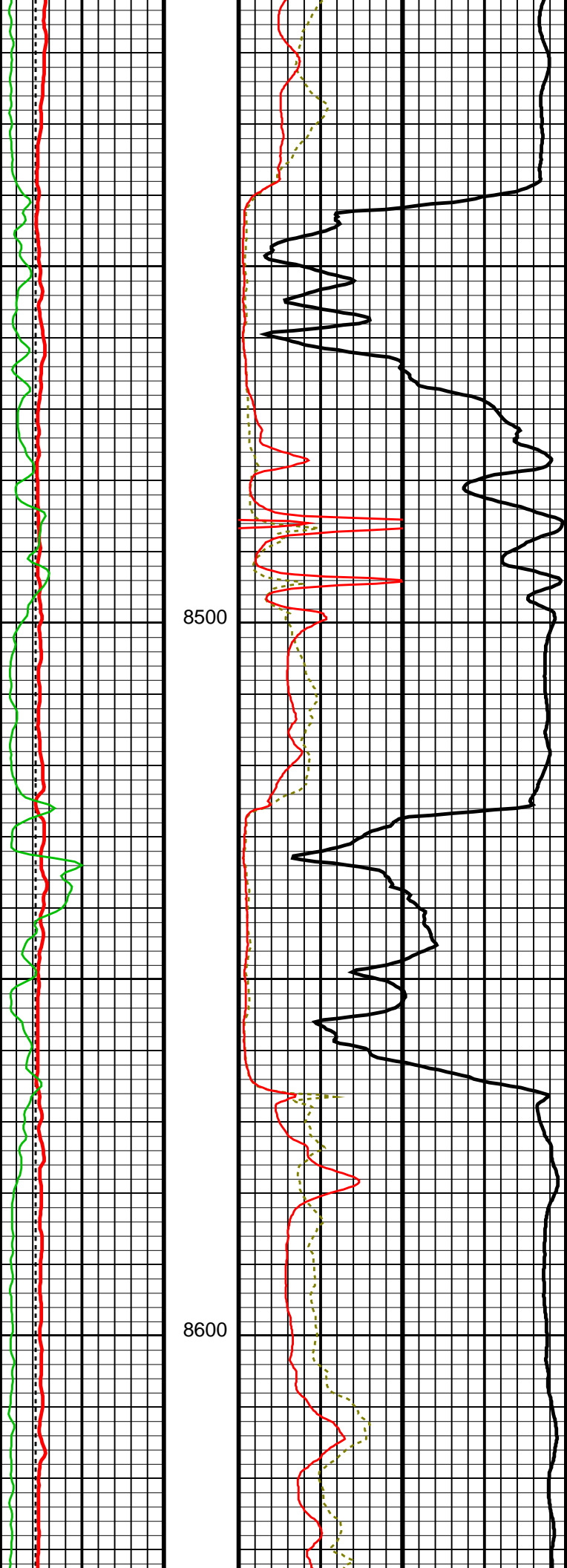


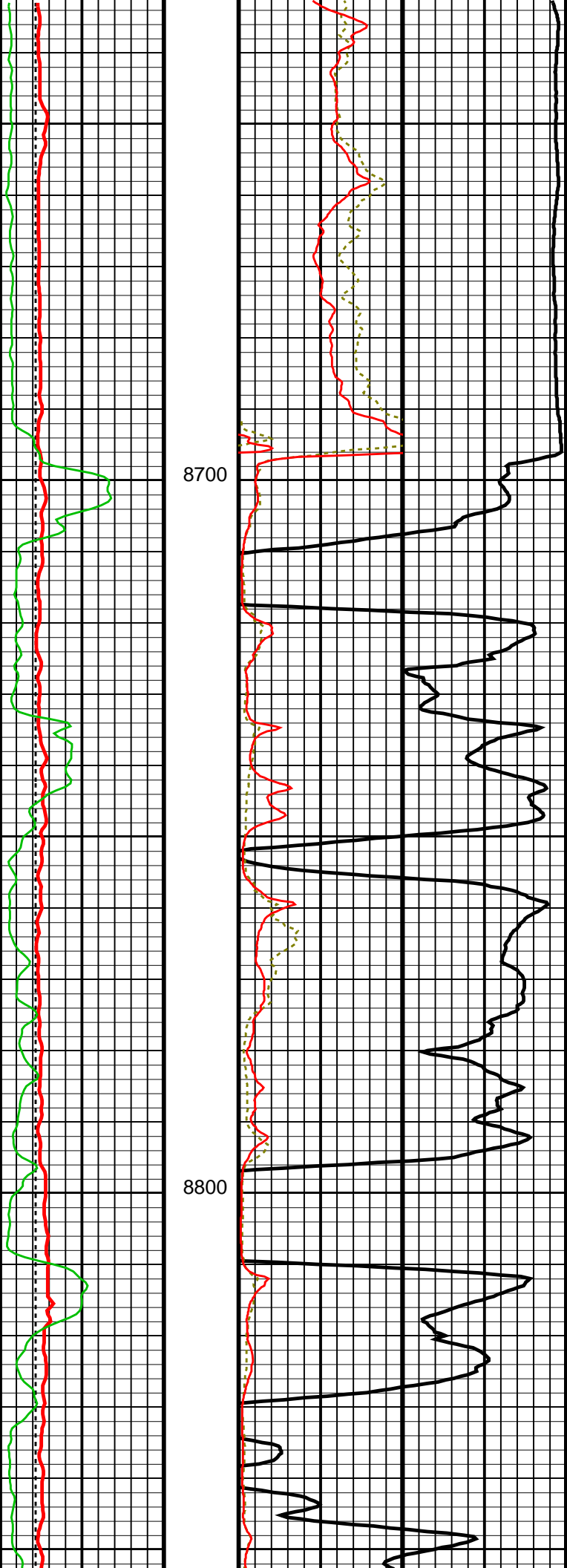


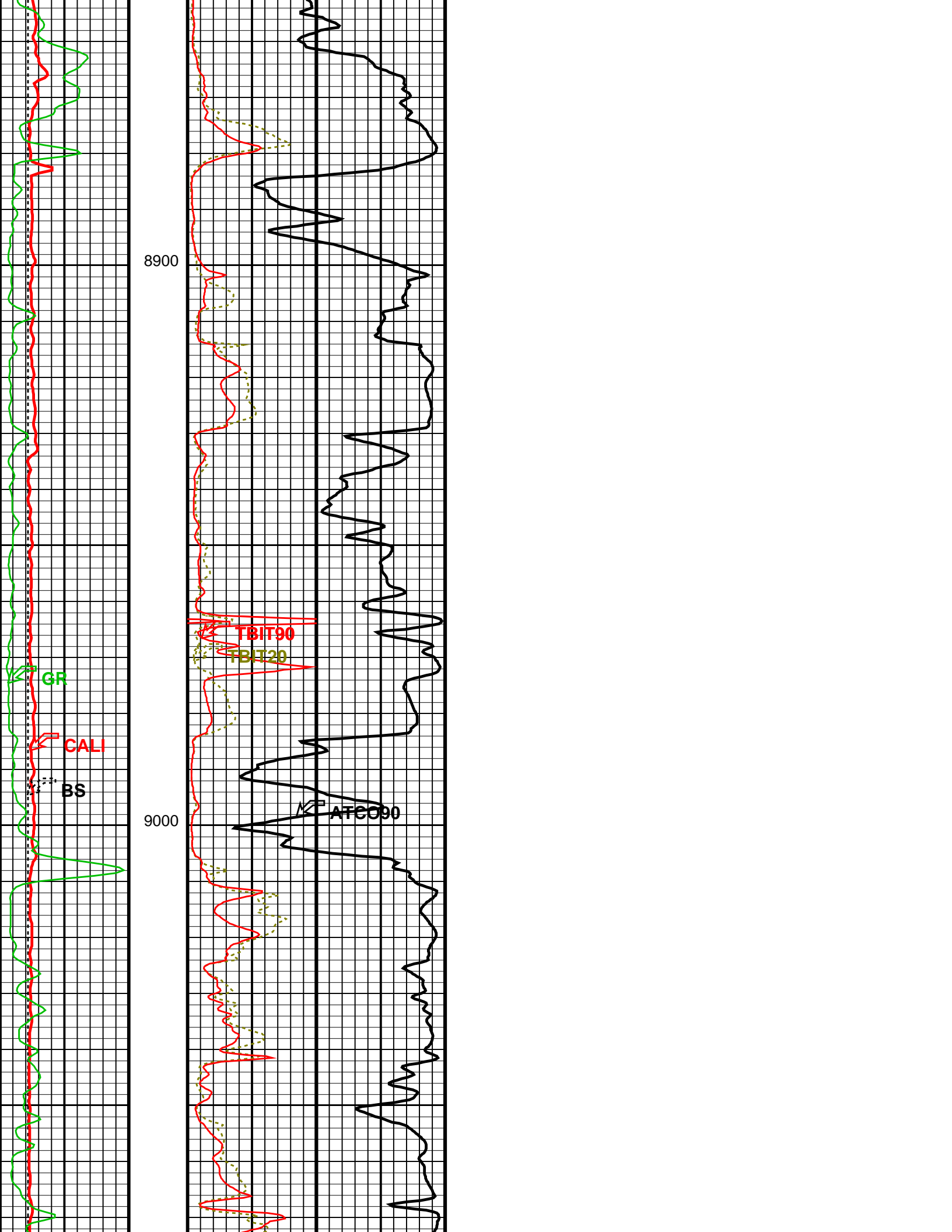


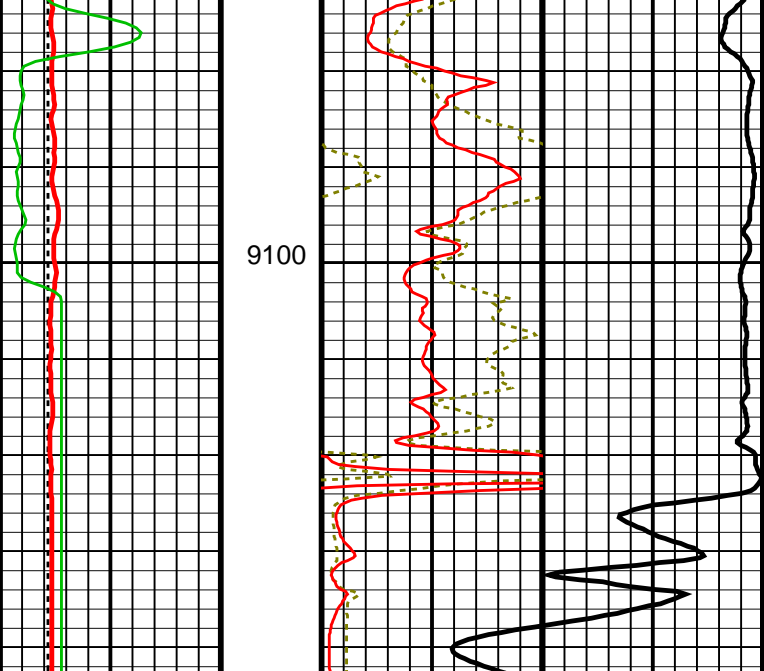












Bit Size (BS) 4 (IN) 14	AIT 90 Inch Investigation Conductivity (ATCO90) 1000 (MS/M) 0	
Gamma Ray (GR) 0 (GAPI) 150	TBI 20 Inch Investigation (TBIT20) 0 (OHMM) 50	
Caliper (CALI) 4 (IN) 14	TBI 90 Inch Investigation (TBIT90) 0 (OHMM) 50	

Format: TB_1INCH_RES Vertical Scale: 5" per 100' Graphics File Created: 30-Jul-2014 05:06

OP System Version: 19C2-270

TBT SRPC-5298-ThruBit_b

Input DLIS Files					
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