

Schlumberger

Company: SANDRIDGE ENERGY

Well: STEWART 3306 3-1H

Field: STOH RVILLE

County: HARPER

State: KANSAS

Well: STEWART 3306 3-1H
Field: STOHRRVILLE
County: HARPER
State: KANSAS

Field: **STORRVILLE**
County: **HARPER** State: **KANSAS**

County: **HARPER** State: **KANSAS**

County: HARPER Field: STOHRVILLE Location: 200' FSL & 2310' FWL Well: STEWART 3306 3-1H Company: SANDRIDGE ENERGY				
ARRAY INDUCTION GAMMA RAY MEMORY LOG				
200' FSL & 2310' FWL		Elev.: K.B. 1372.00 ft G.L. 1353.00 ft D.F. 1372.00 ft		
Permanent Datum: Log Measured From: Drilling Measured From:	GROUND LEVEL D.F. D.F.		Elev.: 1353.00 ft 19.00 ft above Perm. Datum	
API Serial No. 15077220640100	Section 1	Township 33S	Range 6W	

Elev.:	K.B.	1372.00 ft
	G.L.	1353.00 ft
	D.F.	1372.00 ft

Elev.: 1353.00 ft

19.00 ft above Perm. Datum

D.F.

Section

1

1000000

[illegible]

Logging Date	1-Aug-2014		
Run Number	1		
Depth Driller	8945 ft		
Schlumberger Depth	8914 ft		
Bottom Log Interval	8904 ft		
Top Log Interval	5174 ft		
Casing Driller Size @ Depth	7.000 in @ 5173 ft		@
Casing Schlumberger	5174 ft		
Bit Size	6.125 in		
Type Fluid In Hole	WBM		
Density	8.4 lbm/gal	28 s	
Fluid Loss	60 cm3	10	
Source Of Sample	MUD SENSOR		
RM @ Measured Temperature	1.210 ohm.m	@ 65 degF	@
RMF @ Measured Temperature	1.030 ohm.m	@ 65 degF	@
RMC @ Measured Temperature	1.390 ohm.m	@ 65 degF	@
Source RMF	RMC	CALCULATED	
RM @ MRT	RMF @ MRT	0.584 @ 142 0.497 @ 142	@ @
Maximum Recorded Temperatures	142 degF		
Circulation Stopped	Time	21:00	
Logger On Bottom	Time	21:54	
Unit Number	Location	5 OKC	
Recorded By	C.PARKER		
Witnessed By	J.PRIETO		

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	Viscosity			
Fluid Loss	PH			
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	Location			
Recorded By				
Witnessed By				

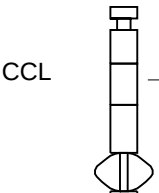
[illegible]

DISCLAIMER

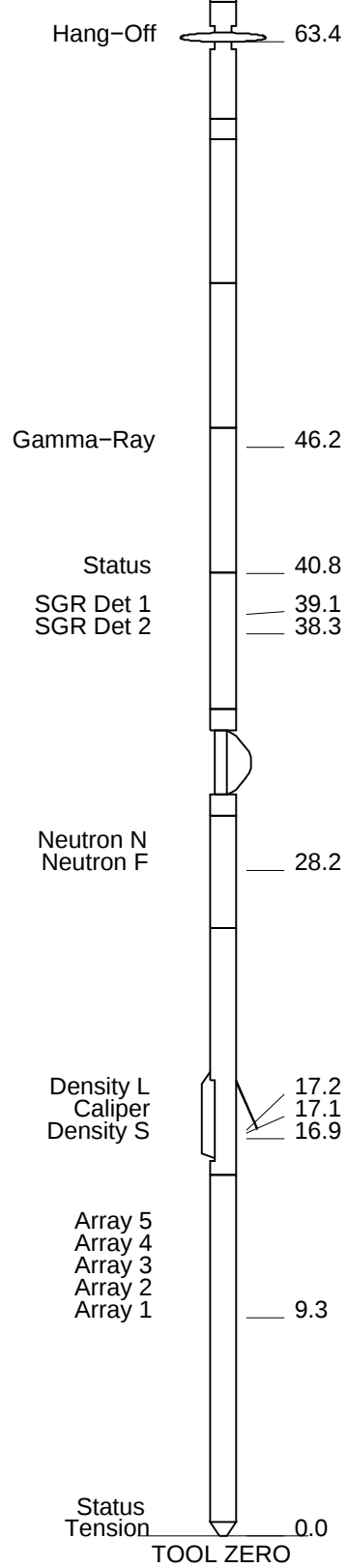
THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (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: SGR OS3: OS4: OS5:			OTHER SERVICES2 OS1: OS2: OS3: OS4: OS5:		
REMARKS: RUN NUMBER 1			REMARKS: RUN NUMBER 2		
SERVICE:HORIZONTAL PUMP DOWN MEMORY BIT DEPTH: 8835' 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					
LOG CORRELATED TO MWD GR					
RIG:NOMAC 52					
CREW: C.PARKER I.HERNDEZ R.WILSON					
RUN 1			RUN 2		
SERVICE ORDER #: PROGRAM VERSION: FLUID LEVEL:			SERVICE ORDER #: PROGRAM VERSION: FLUID LEVEL:		
3089 19C2-270 0 ft					
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

[illegible]

RUN 1		RUN 2	
SURFACE EQUIPMENT			
WITM (ThruBit)			
DOWNHOLE EQUIPMENT			
TBT-A			
THEAD			
CCL			
BDOT-B 14			
THOT 29			
T10 1			
TBAT1 1			
TBAT2 2			
		70.0	72.9

TMG-A 27
TBSG-A 5
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: STEWART 3306 3-1H

Input DLIS Files				
ThruBit_005PUP	FN:4	02-Aug-2014 05:45	9018.0 FT	2475.5 FT

OP System Version: 19C2-270	
TBT	SRPC-5298-ThruBit_b

Relative Bearing (RB)		
0	(DEG)	940

gr wrap4
From LHT1 to GR4

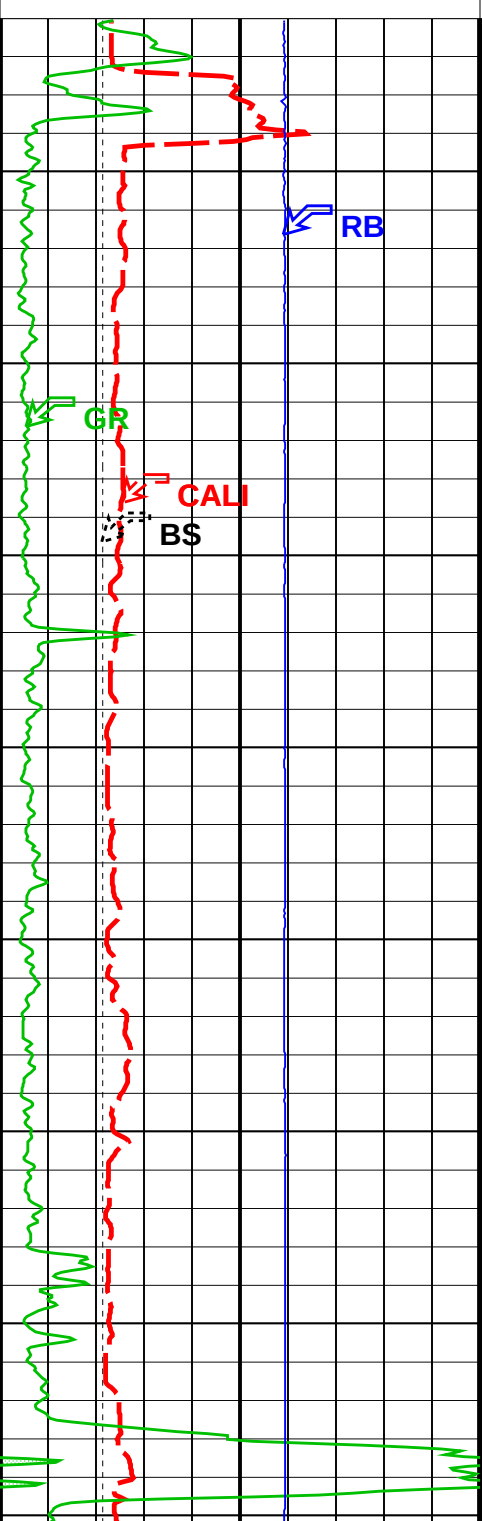
gr wrap3
From LHT1 to GR3

gr wrap2
From LHT1 to GR2

gr wrap1
From LHT1 to GR1

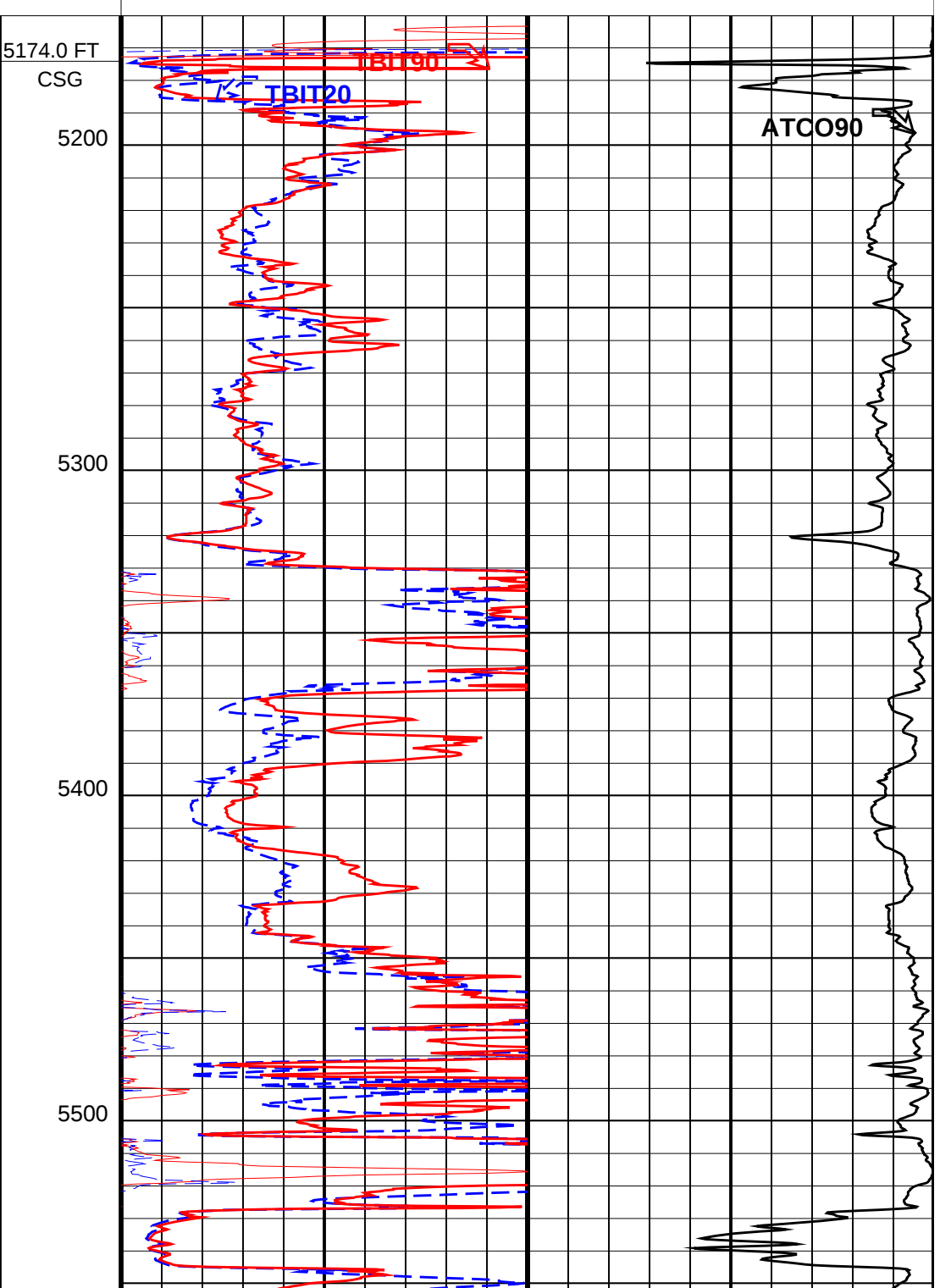
Caliper (CAL)

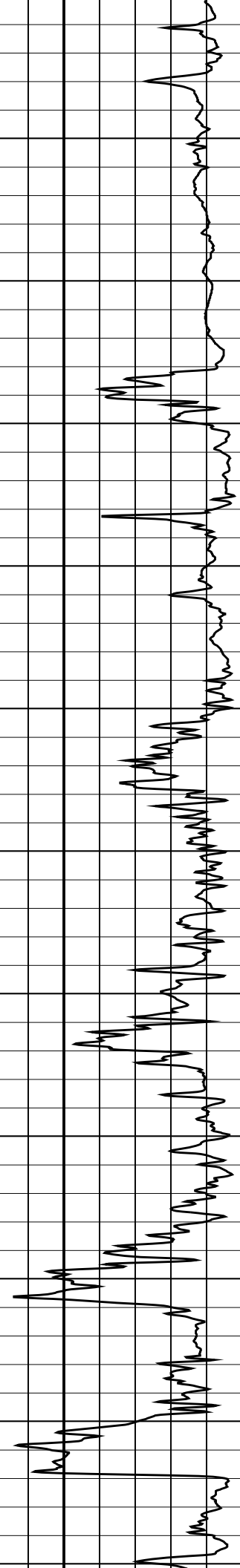
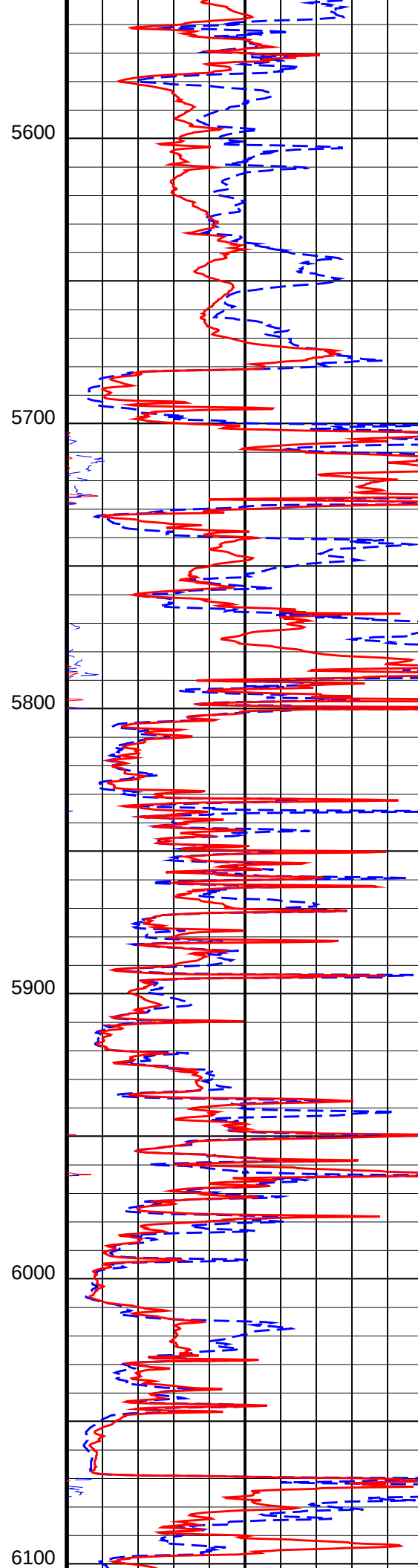
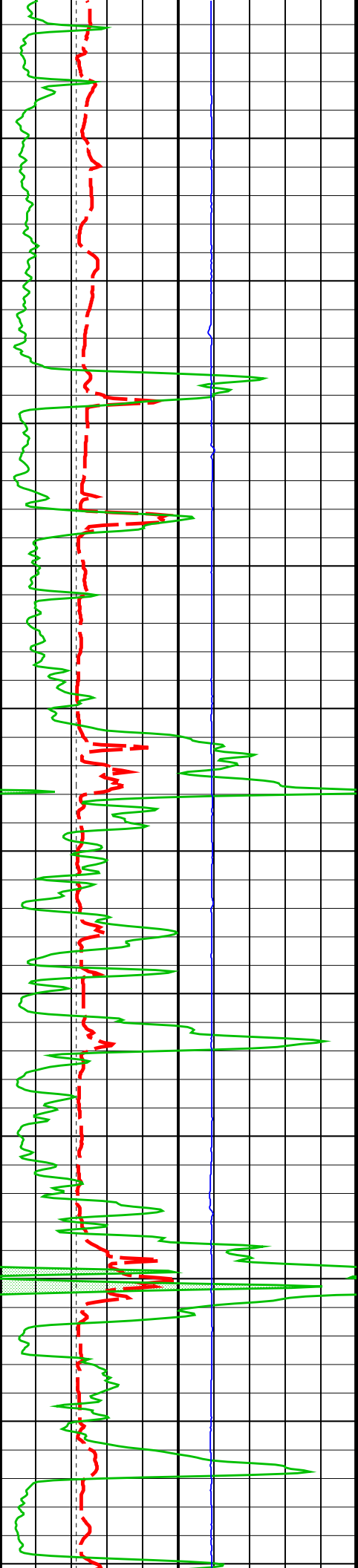
4	Caliper (CALI)	14
Gamma Ray 4 (GR)		
600	(GAPI)	750
Gamma Ray 3 (GR)		
450	(GAPI)	600
Gamma Ray 2 (GR)		
300	(GAPI)	450
Gamma Ray 1 (GR)		
150	(GAPI)	300
Gamma Ray (GR)		
0	(GAPI)	150
Bit Size (BS)		
4	(IN)	14

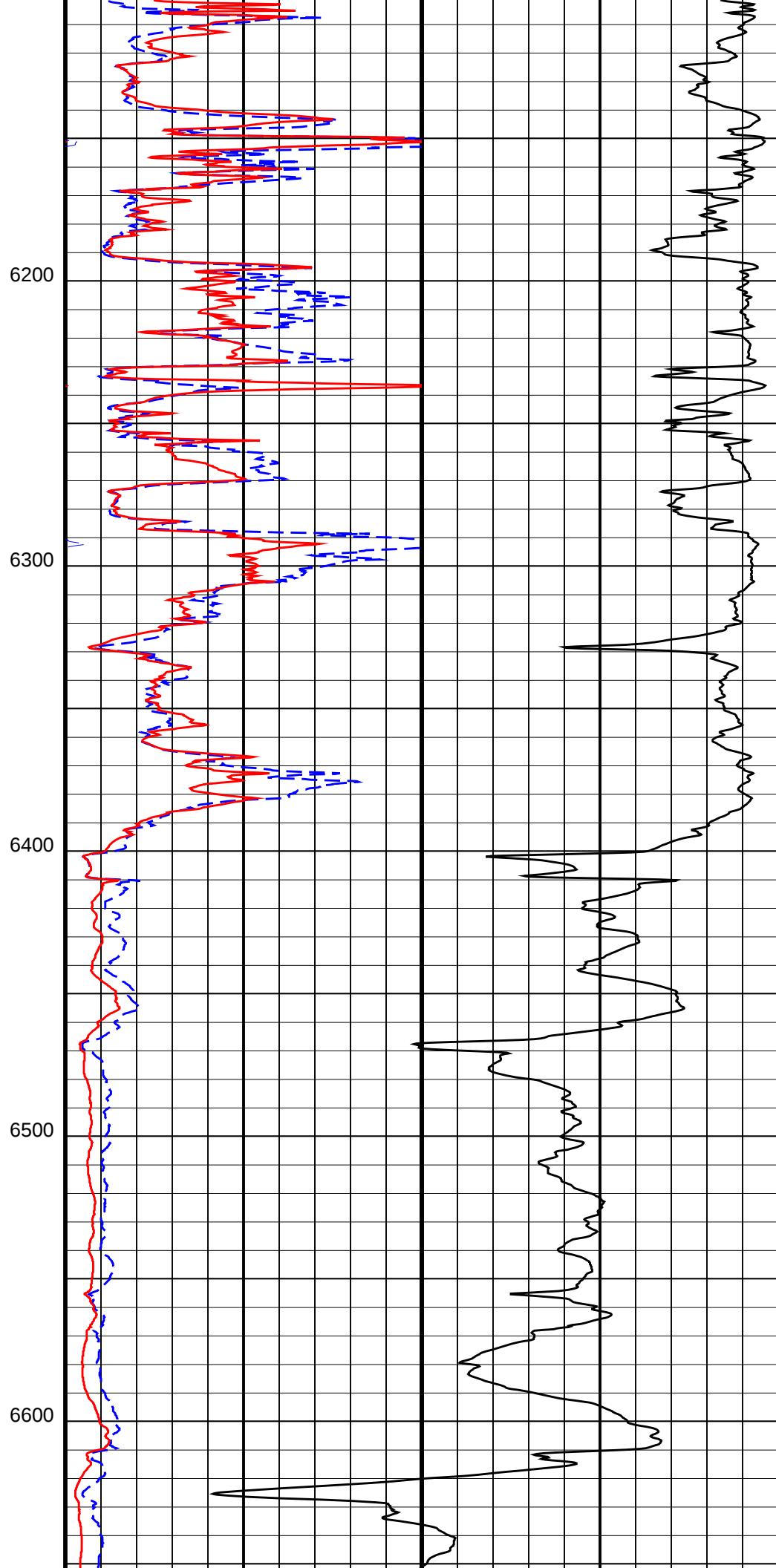
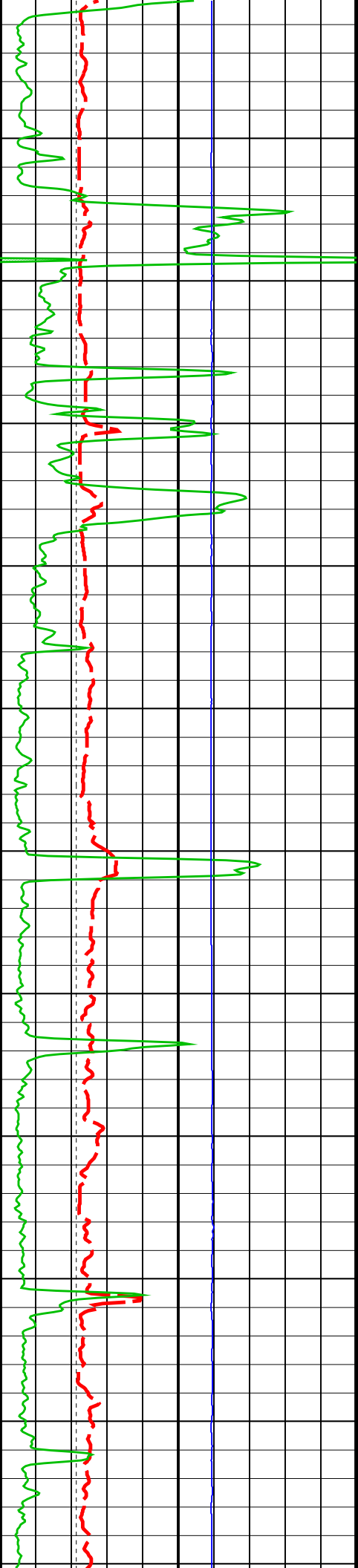


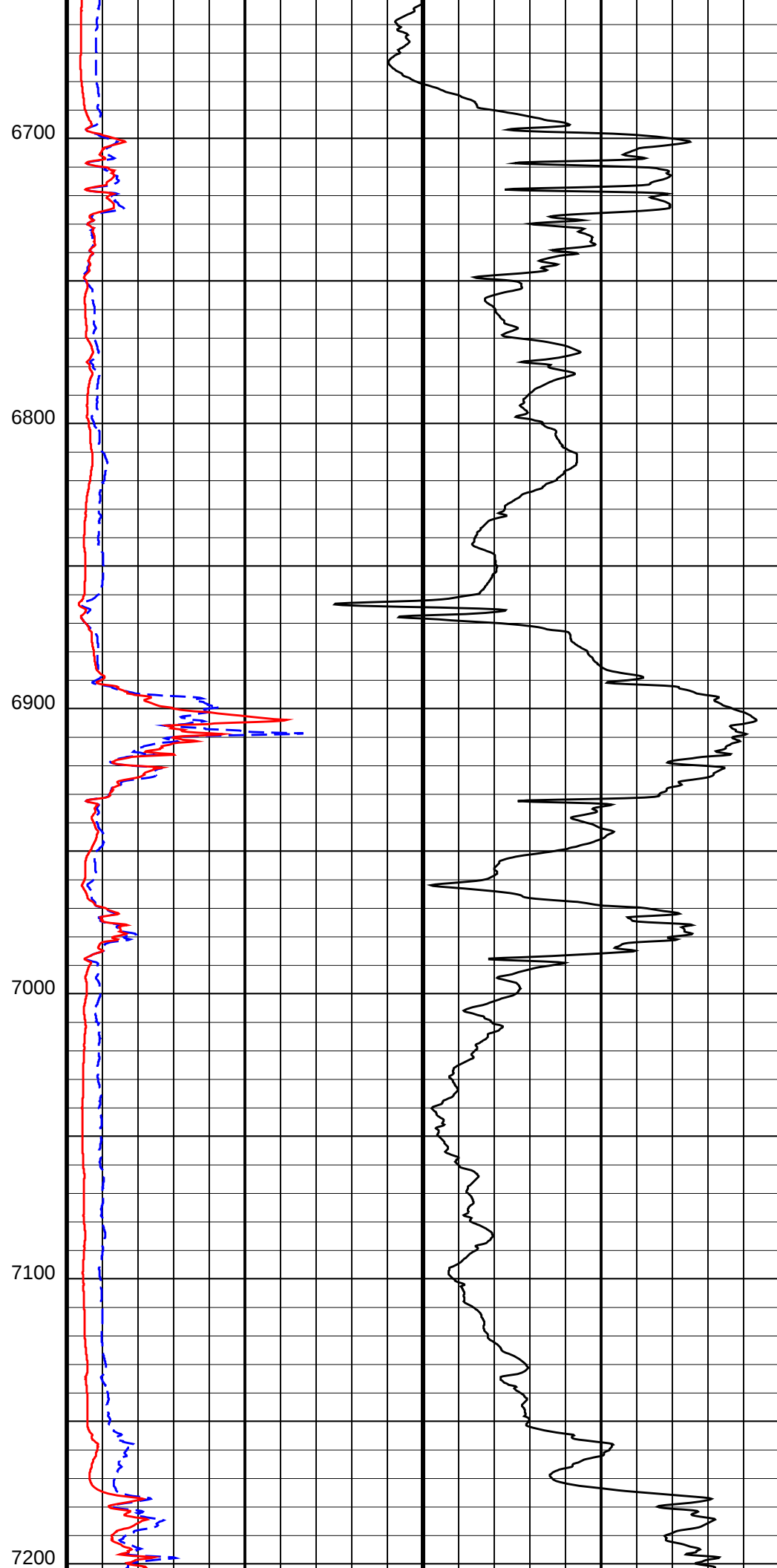
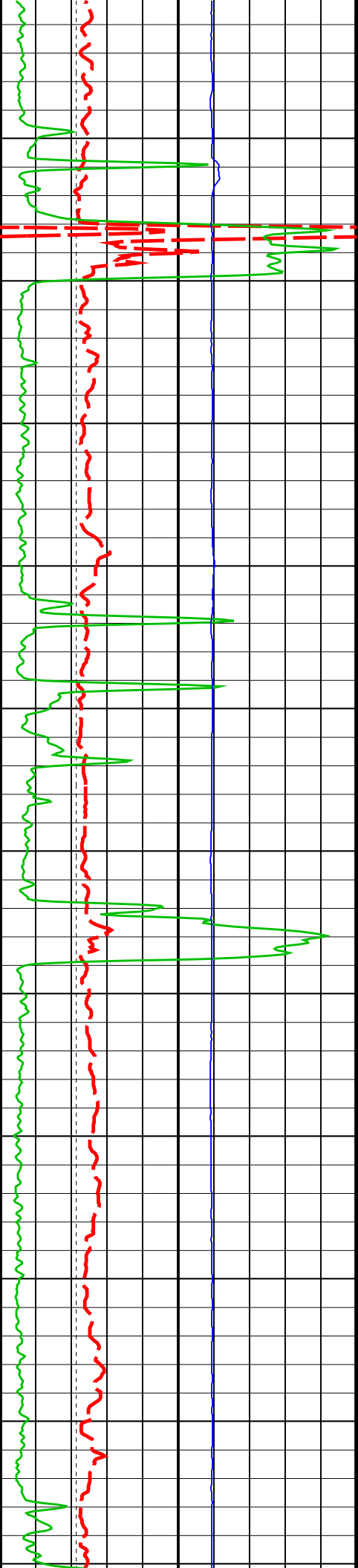
50	TBI 20 Inch Investigation (TBIT20)	500
(OHMM)		
50	TBI 90 Inch Investigation (TBIT90)	500
(OHMM)		
0	TBI 90 Inch Investigation (TBIT90)	50
(OHMM)		
0	TBI 20 Inch Investigation (TBIT20)	50
(OHMM)		

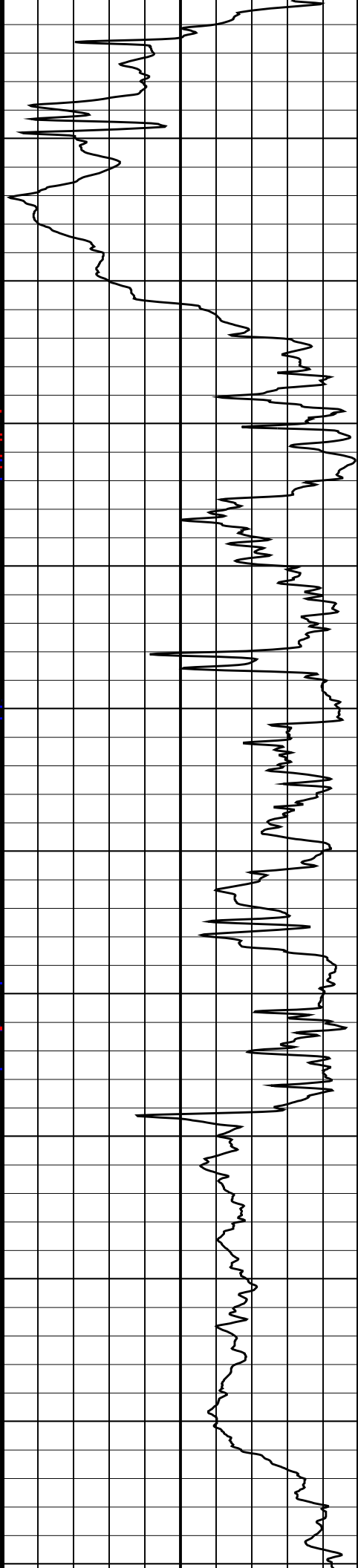
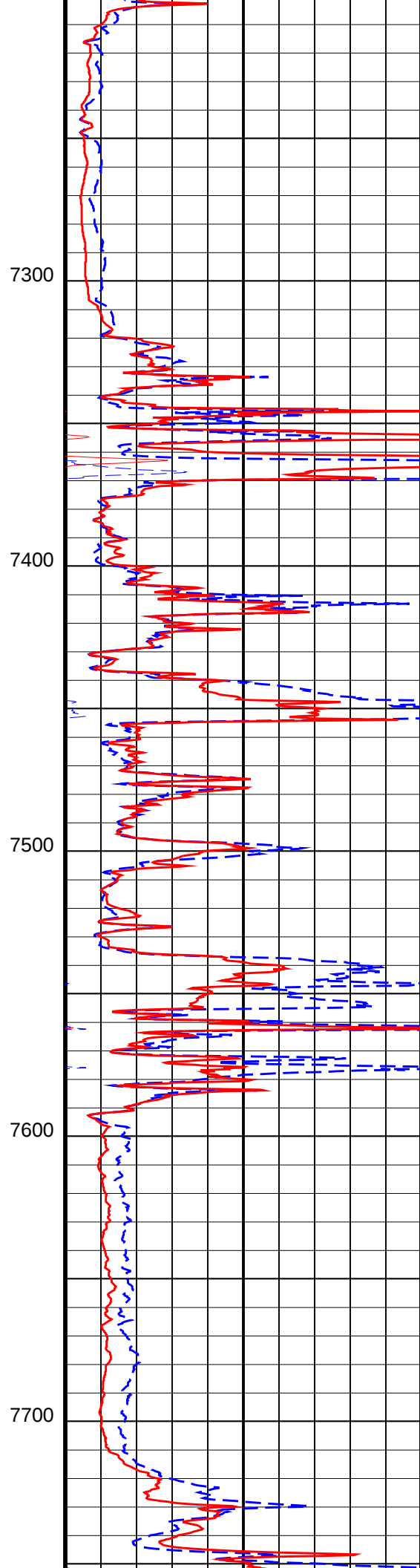
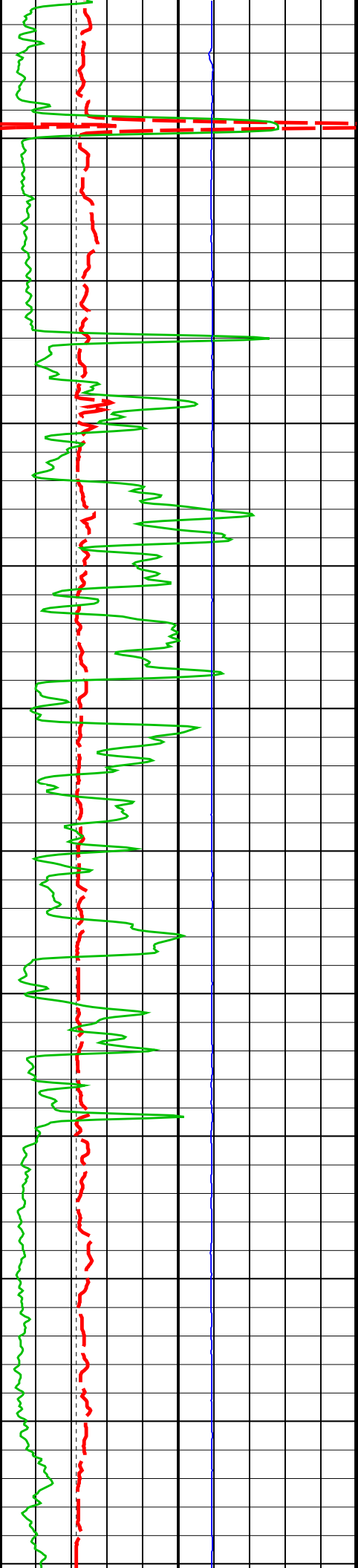
TBI 60 Inch Conductivity (ATCO90)		
1000	(MM/M)	0

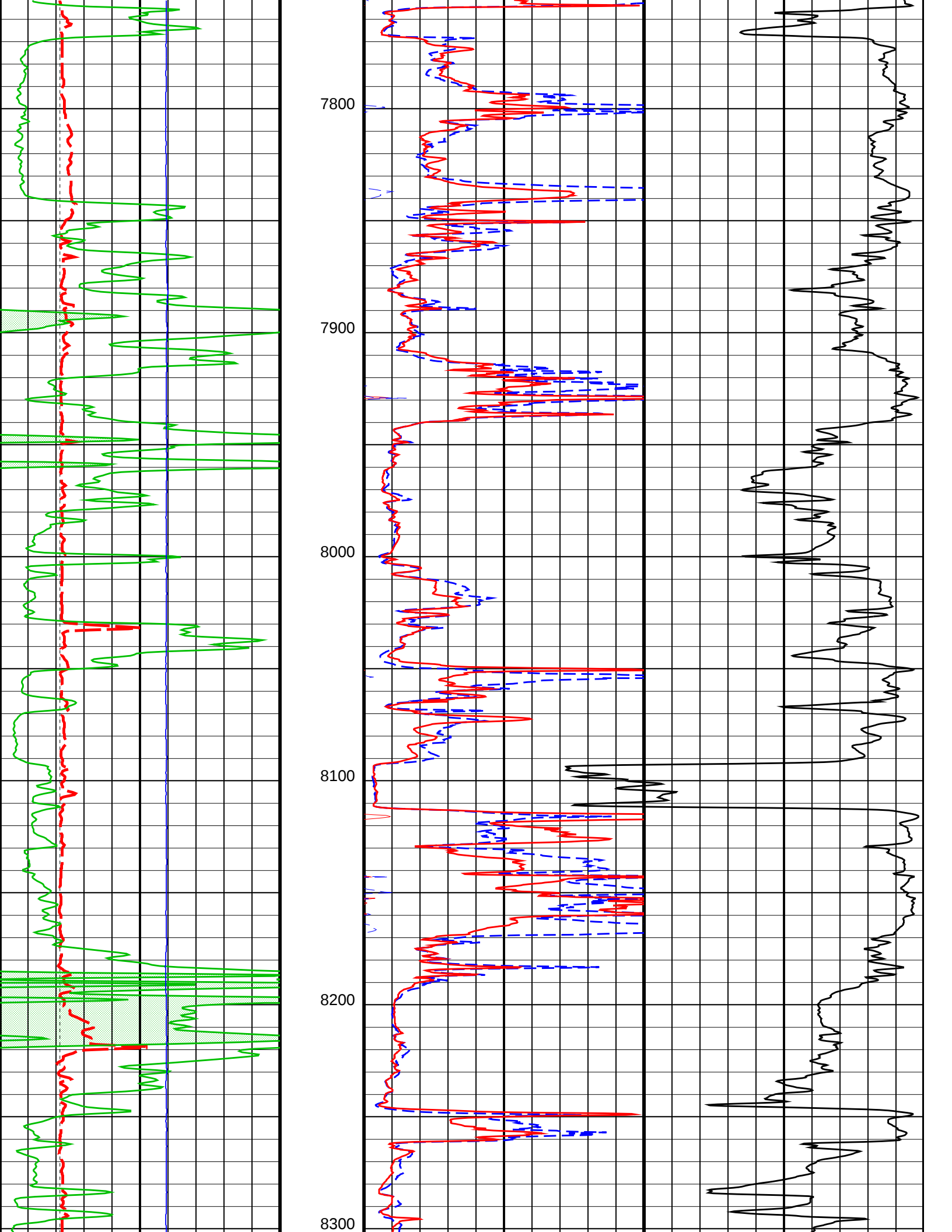


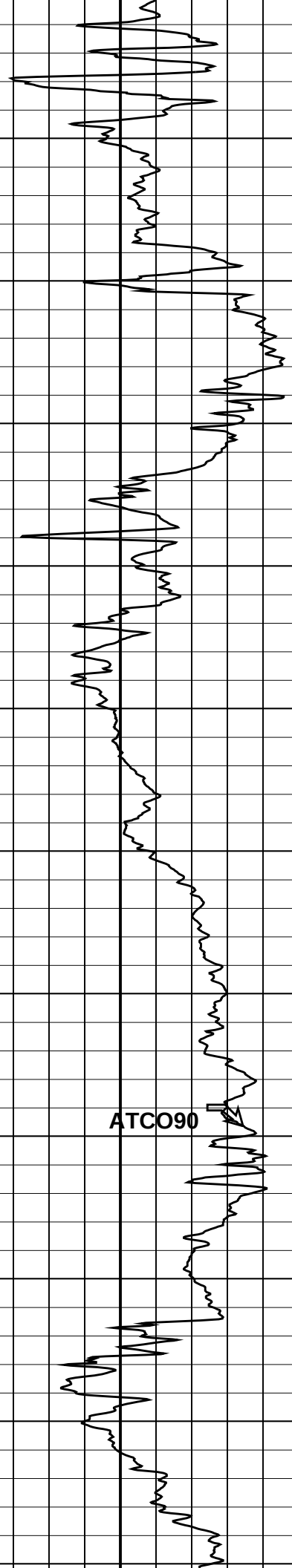
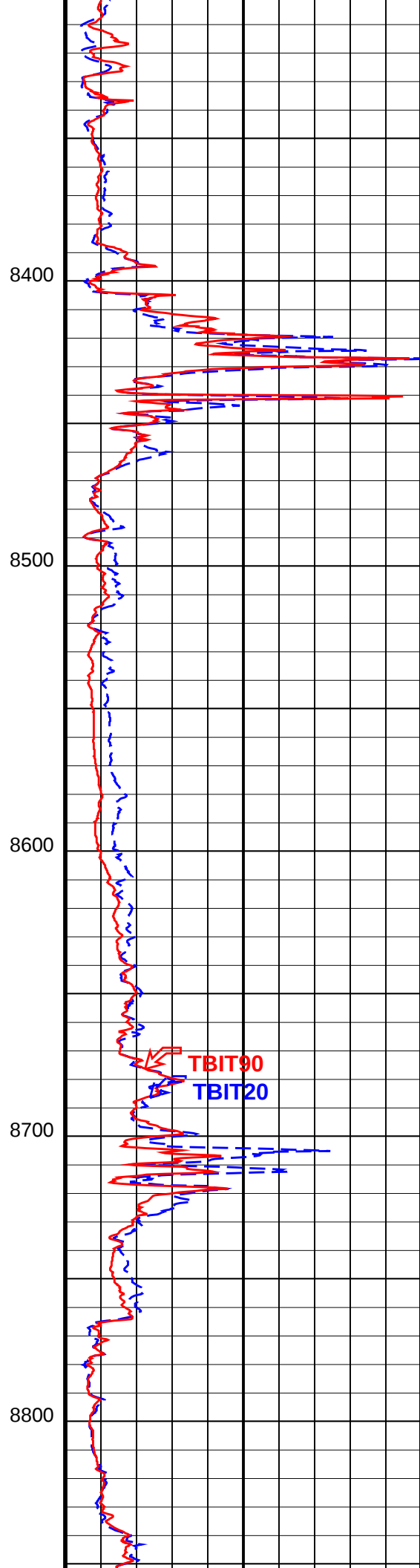
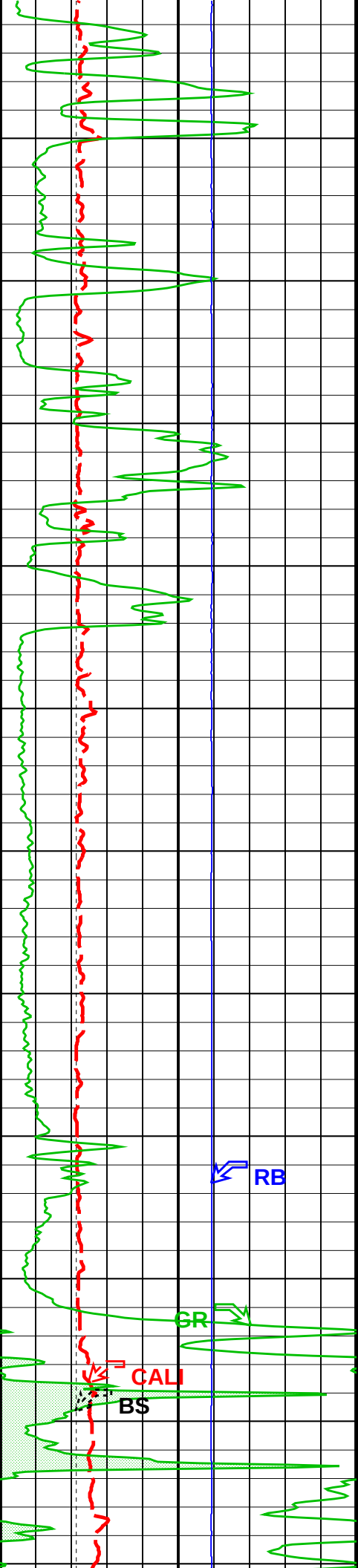


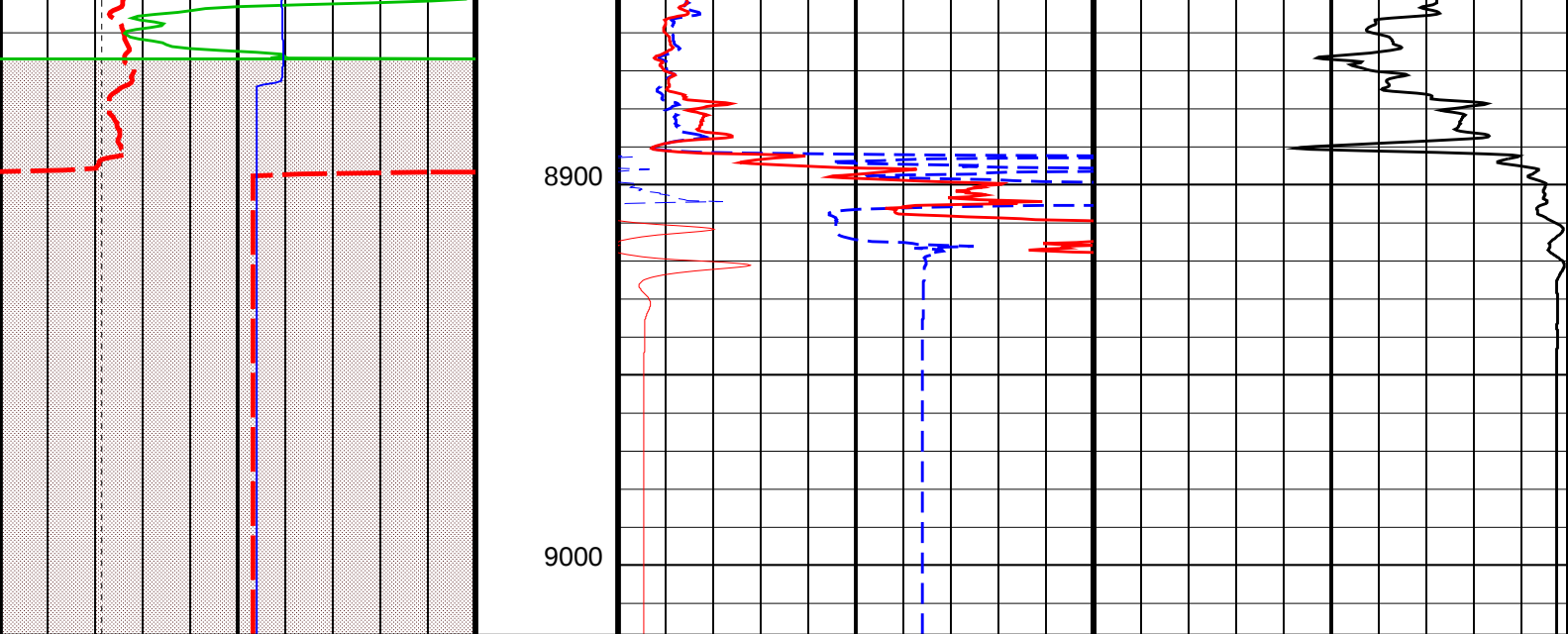












Bit Size (BS)		
(IN)		
4		14
Gamma Ray (GR)		
0	(GAPI)	150
Gamma Ray 1 (GR)		
150	(GAPI)	300
Gamma Ray 2 (GR)		
300	(GAPI)	450
Gamma Ray 3 (GR)		
450	(GAPI)	600
Gamma Ray 4 (GR)		
600	(GAPI)	750
Caliper (CALI)		
4	(IN)	14
gr wrap1 From LHT1 to GR1		
gr wrap2 From LHT1 to GR2		
gr wrap3 From LHT1 to GR3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

TBI 60 Inch Conductivity (ATCO90)		
(MM/M)		
1000		0
TBI 20 Inch Investigation (TBIT20)		
0	(OHMM)	50
TBI 90 Inch Investigation (TBIT90)		
0	(OHMM)	50
TBI 90 Inch Investigation (TBIT90)		
50	(OHMM)	500
TBI 20 Inch Investigation (TBIT20)		
50	(OHMM)	500

Parameters

DLIS Name

Description

Value

TBT-A: ThruBit String

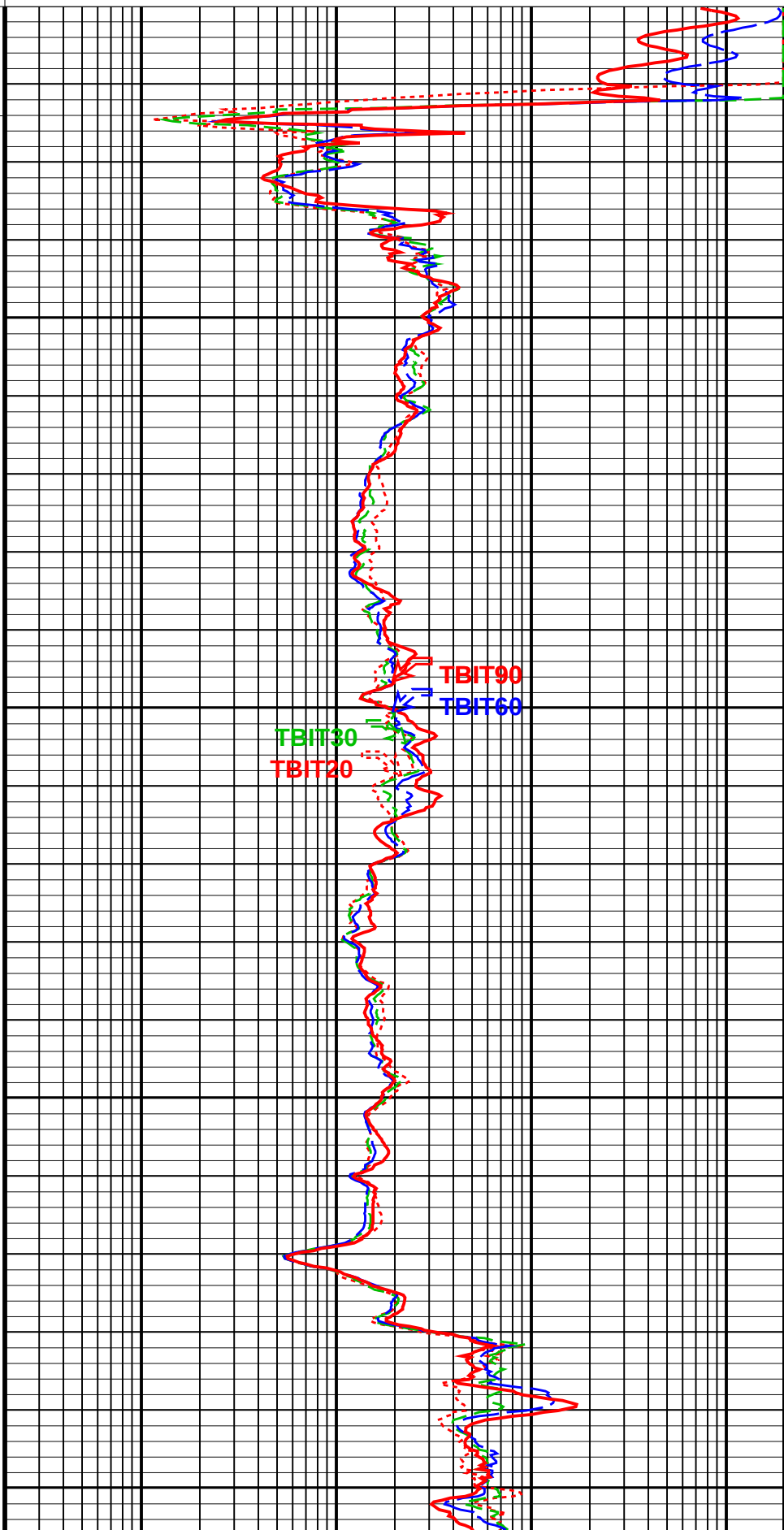
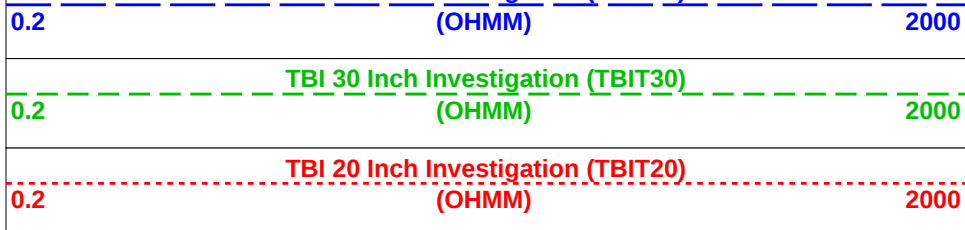
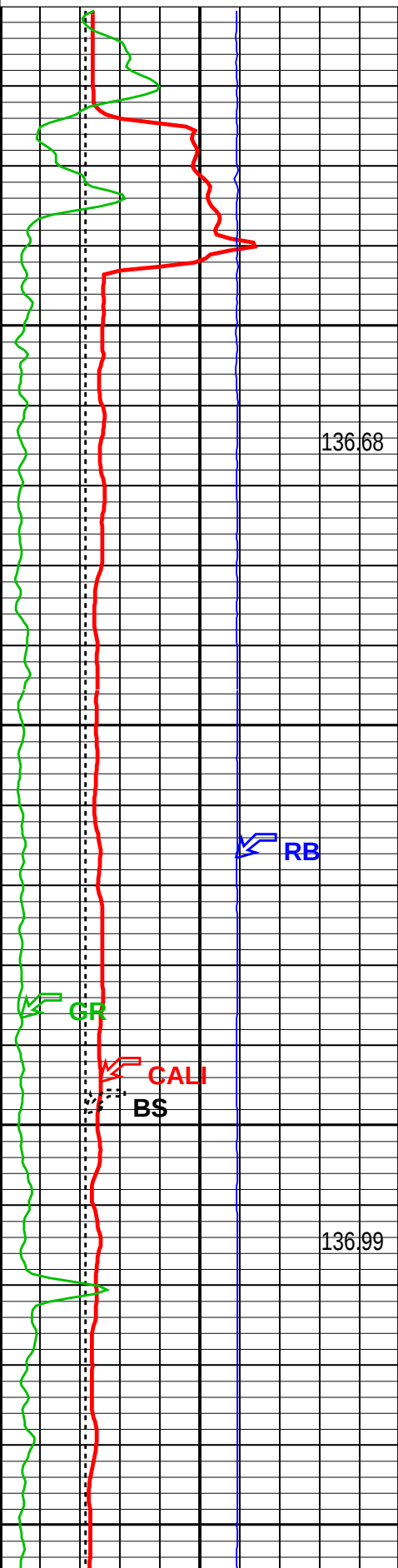
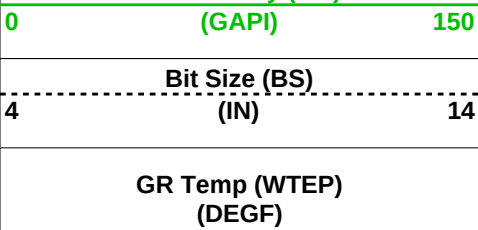
MT	Mud Type (for TBN and TBI correction)
RB_OFFSET	Additional RB offset (degrees)
TBI_ALGO	TBI Algorithm Selection
TBI_BHC_OP	Borehole Correction Option (for TBI)
TBI_CALTYP	TBI Mastercal Type
TBI_REPL_ARRAY_DEST	TBI: Replace This Array
TBI_REPL_ARRAY_SOURCE	TBI: With This Array

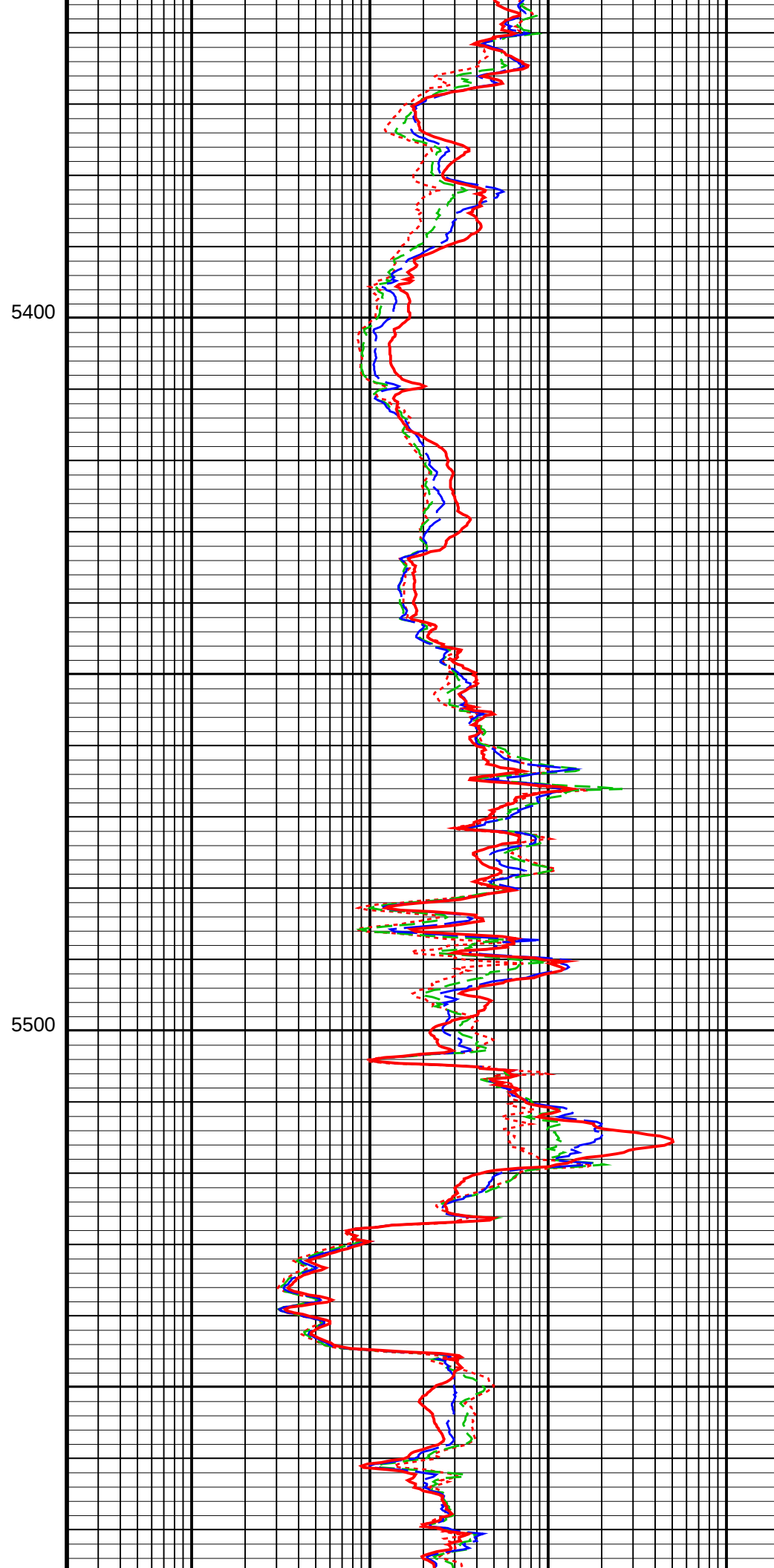
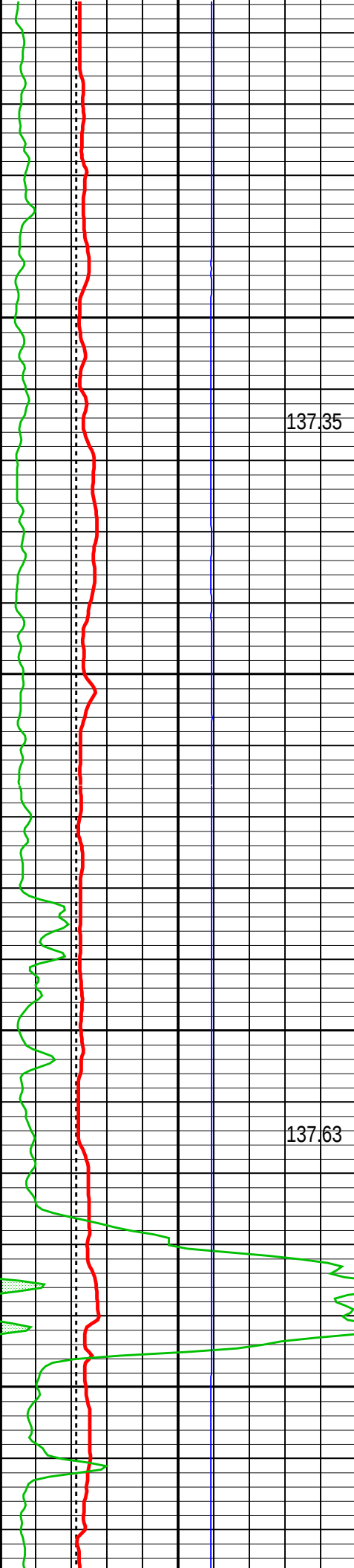
WBM	
0.000	deg
AIT	
CALIPER	
THRUBIT	
NONE	
NONE	

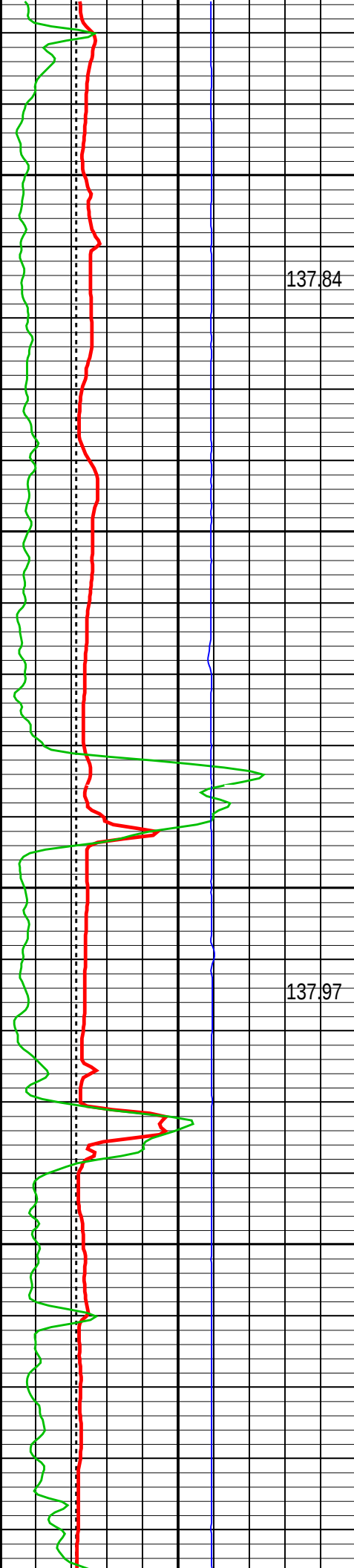
TBI_TC_OP	Induction Temperature Correction Option	LOWER
BS	System and Miscellaneous Bit Size	6.125 in
Format: TB_2INCH_RESISTIVITY		Vertical Scale: 2" per 100'
Graphics File Created: 02-Aug-2014 05:56		
OP System Version: 19C2-270		
TBT	SRPC-5298-ThruBit_b	
Input DLIS Files		
ThruBit_005PUP	FN:4	02-Aug-2014 05:45 9018.0 FT 2475.5 FT

Schlumberger MAIN PASS MAXIS Field Log		
--	--	--

Company: SANDRIDGE ENERGY		Well: STEWART 3306 3-1H	
Input DLIS Files			
ThruBit_005PUP	FN:4	02-Aug-2014 05:45 9018.0 FT	2475.5 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 (CALI)			
4	(IN)	14	
Gamma Ray 4 (GR)			
600	(GAPI)	750	
Gamma Ray 3 (GR)			
450	(GAPI)	600	
Gamma Ray 2 (GR)			
300	(GAPI)	450	
Gamma Ray 1 (GR)			
150	(GAPI)	300	
Gamma Ray (GR)			
TBI 90 Inch Investigation (TBIT90)			
0.2	(OHMM)	2000	
TBI 60 Inch Investigation (TBIT60)			

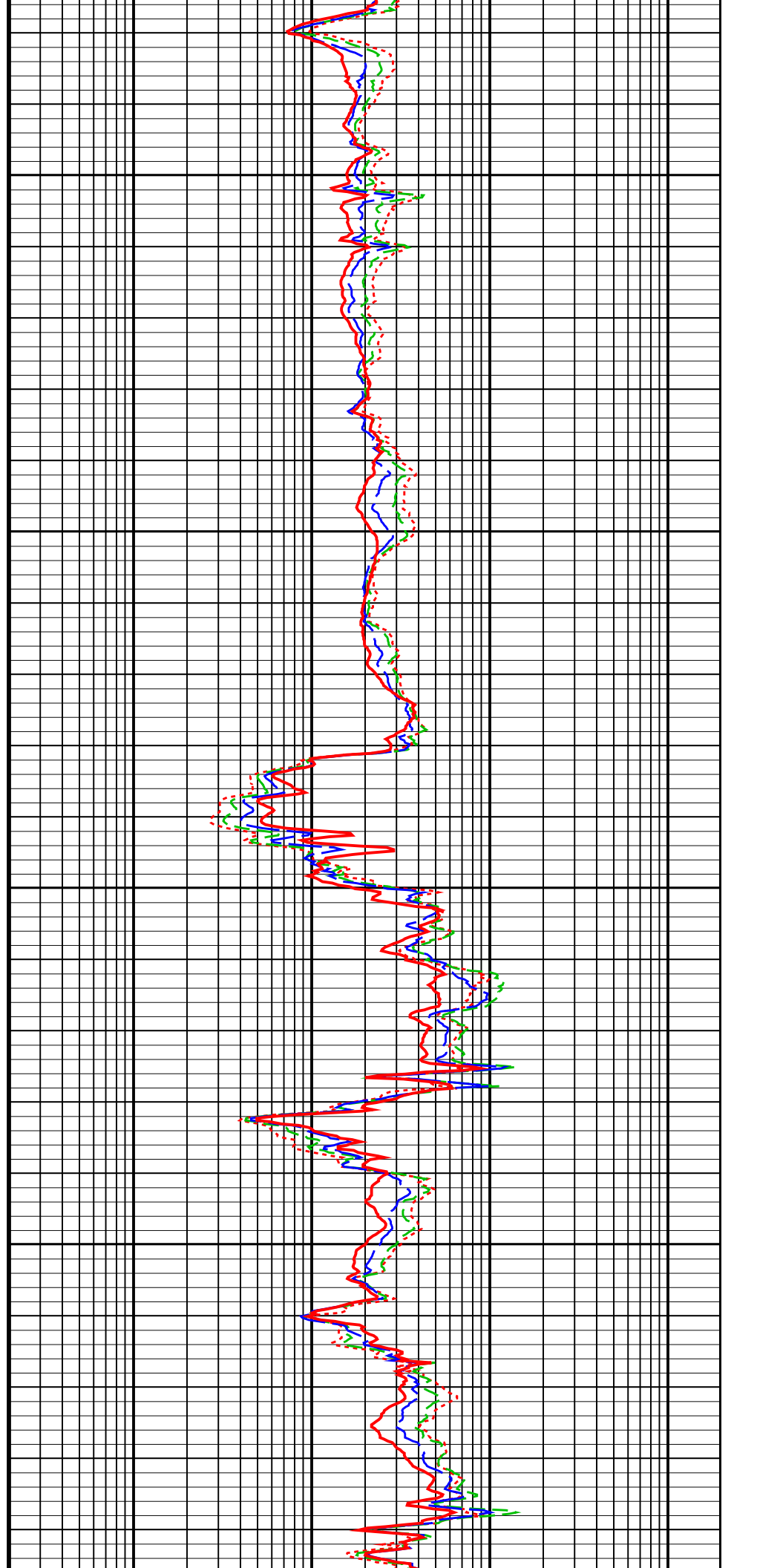


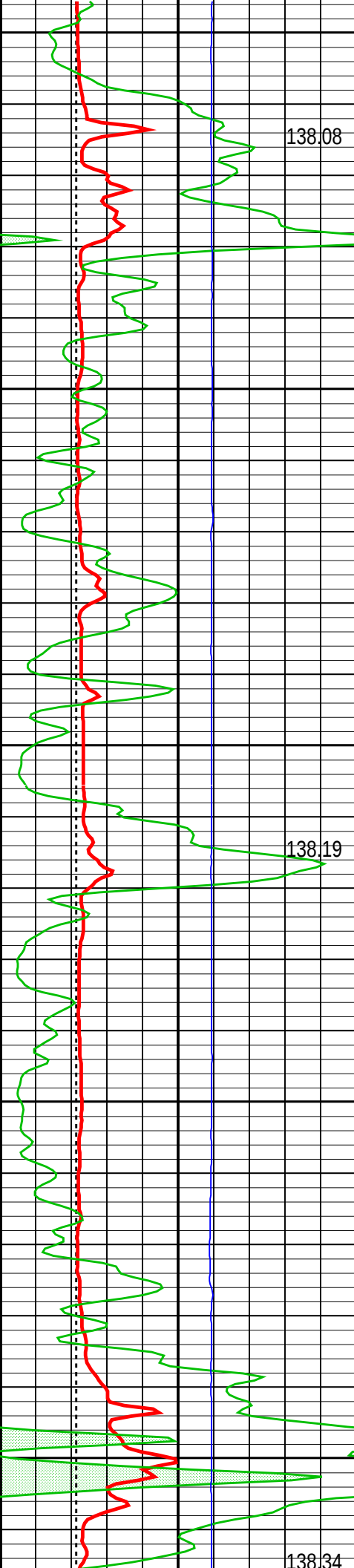




5600

5700





5800

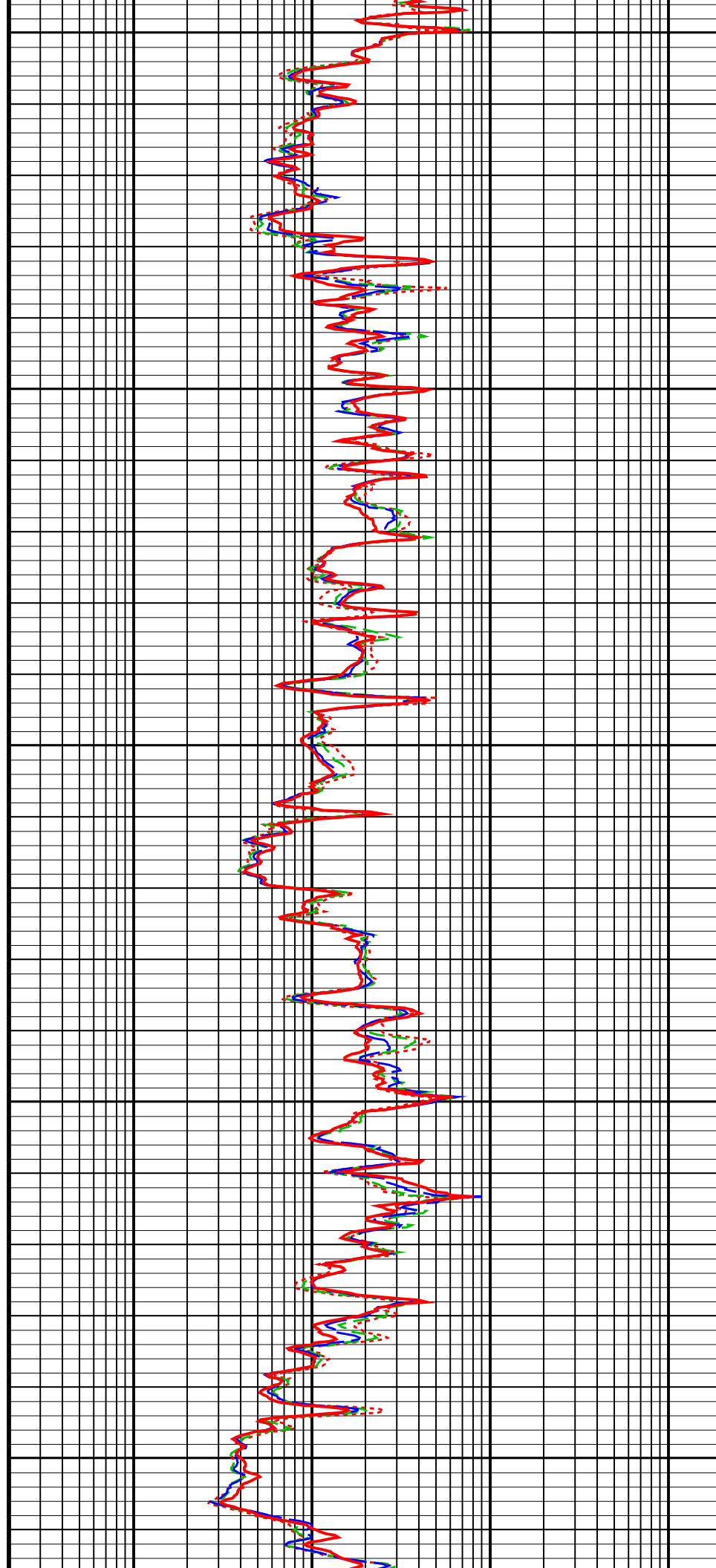
5900

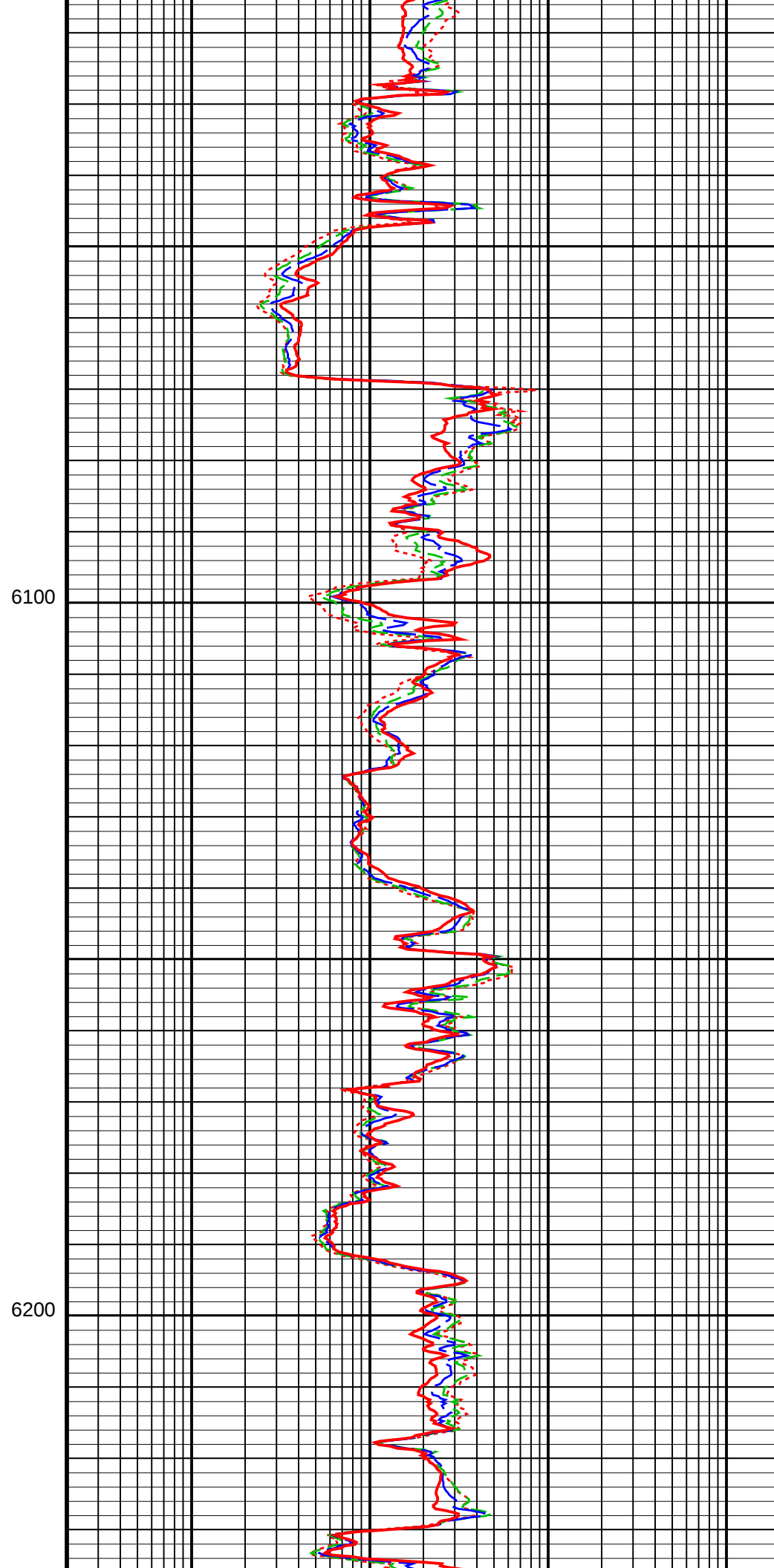
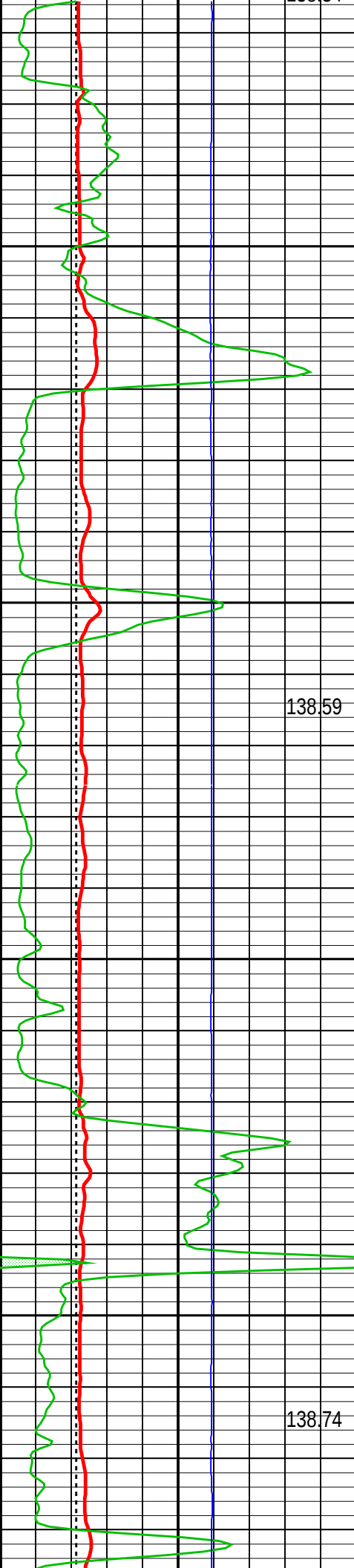
6000

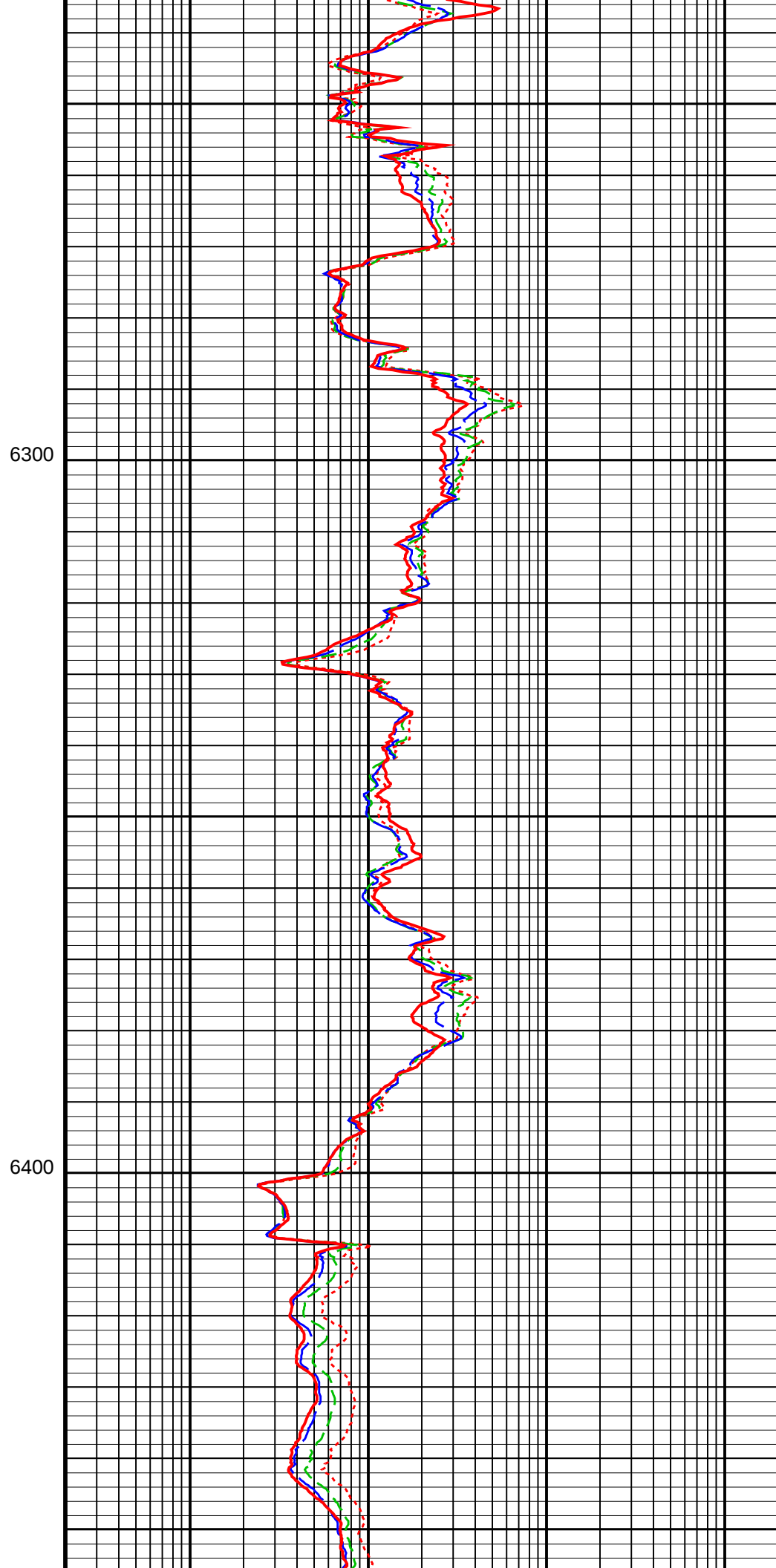
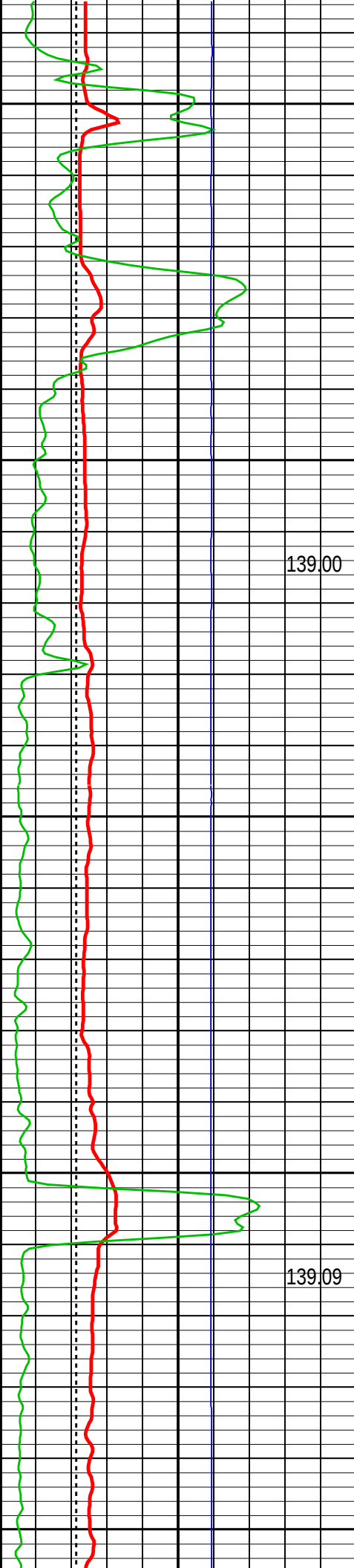
138.08

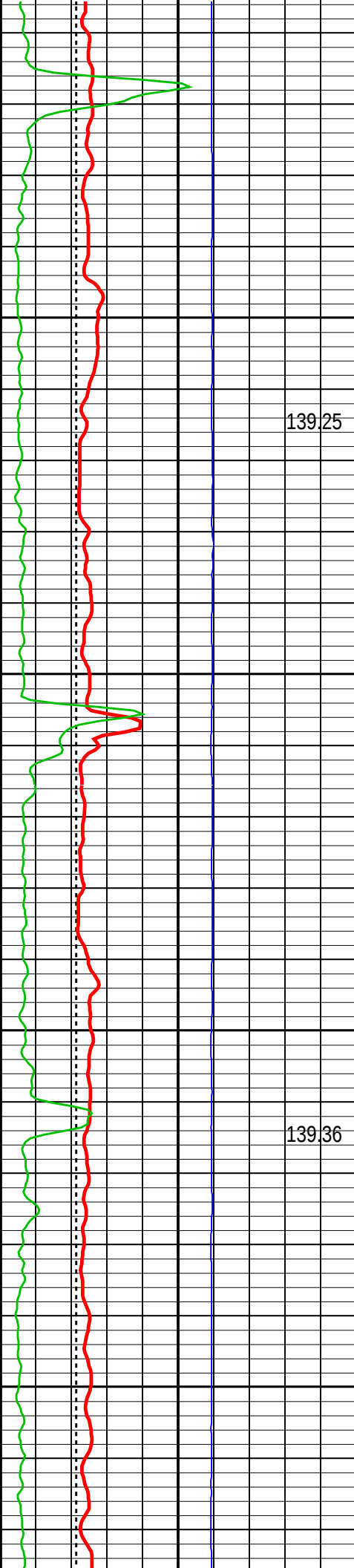
138.19

138.34







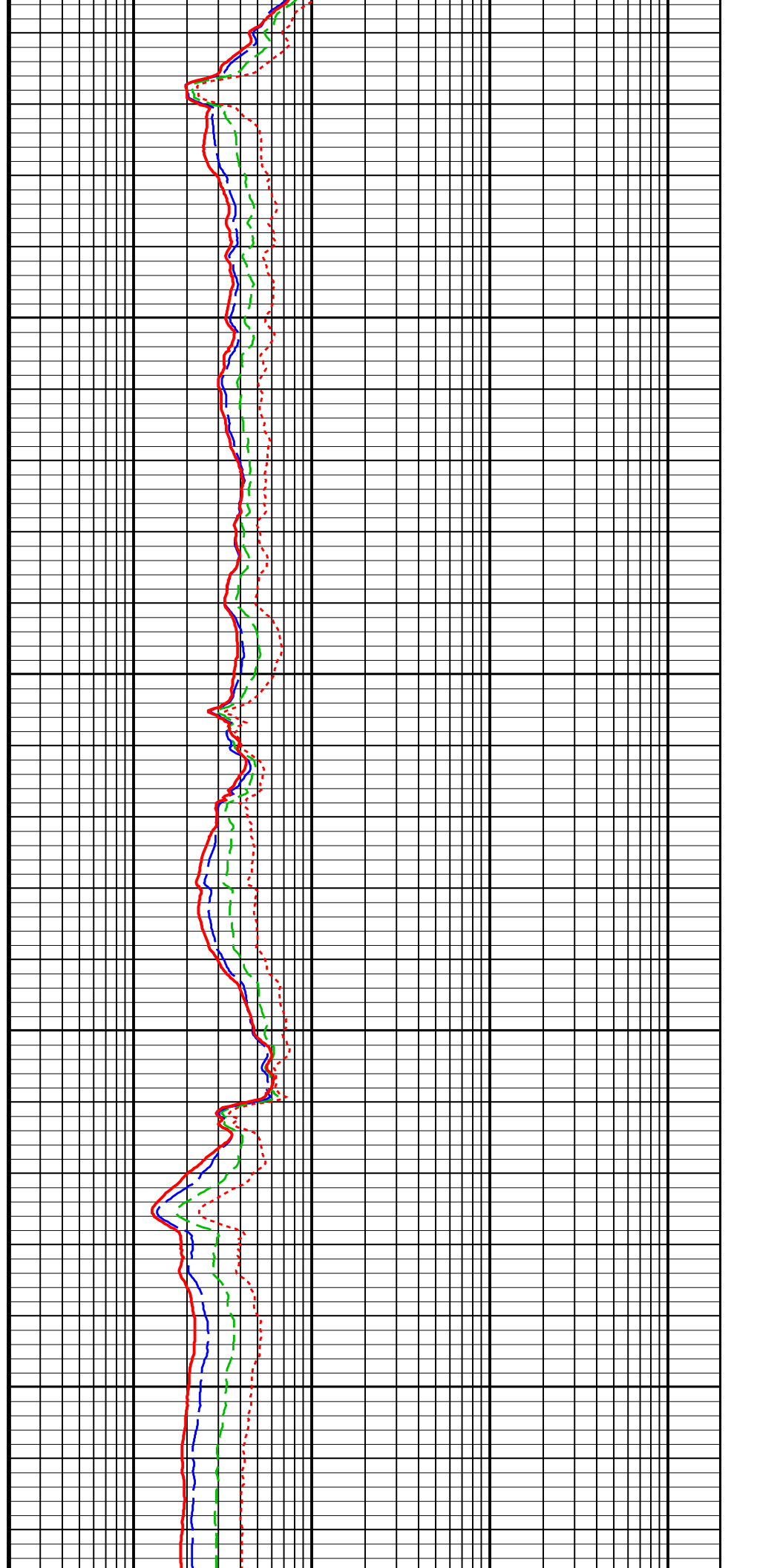


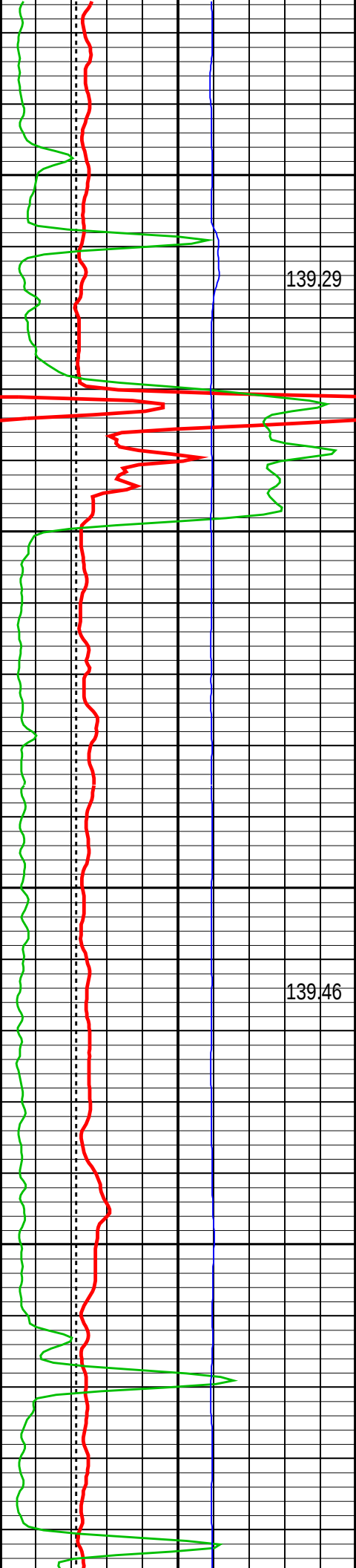
6500

139.25

6600

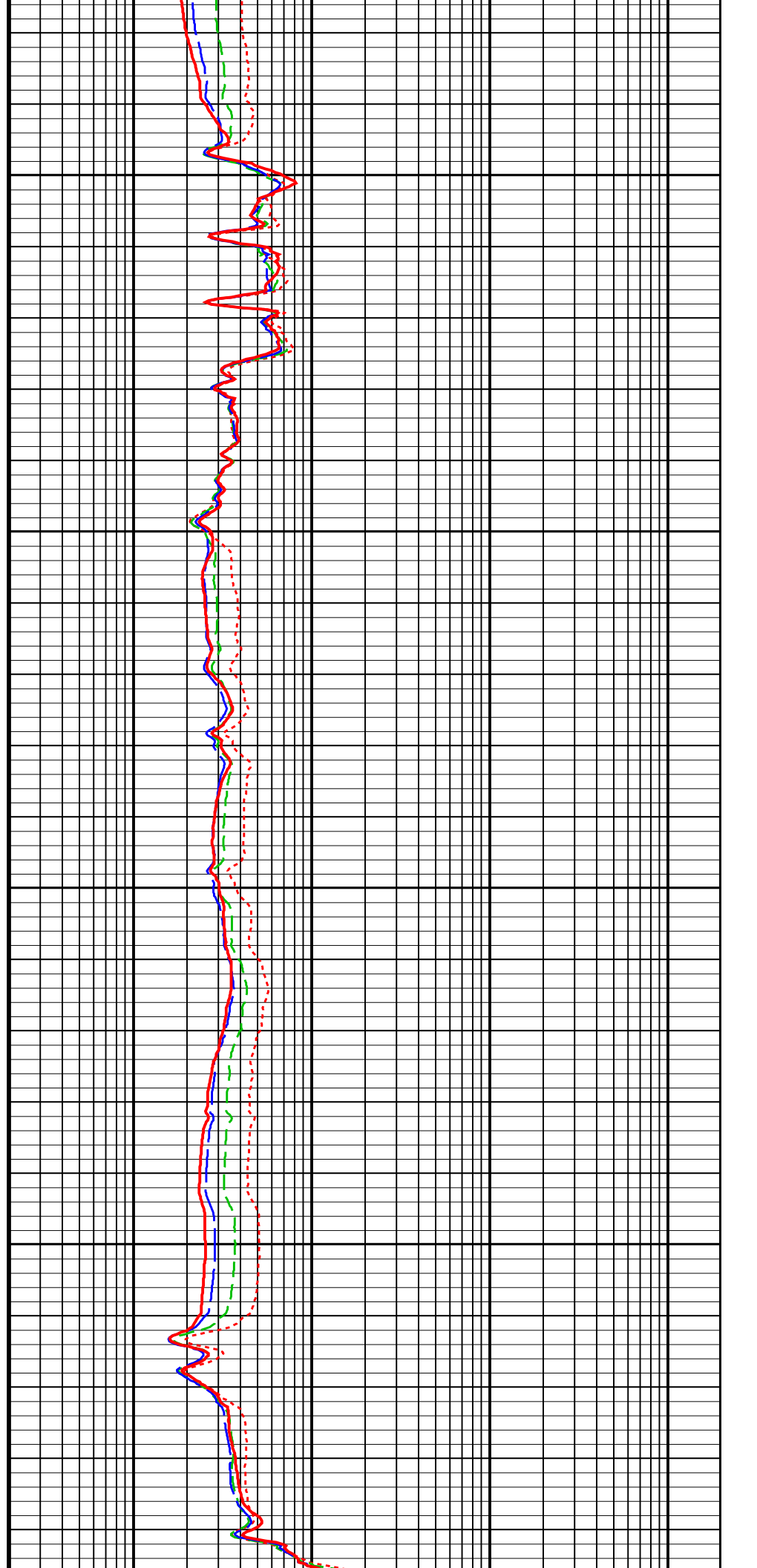
139.36

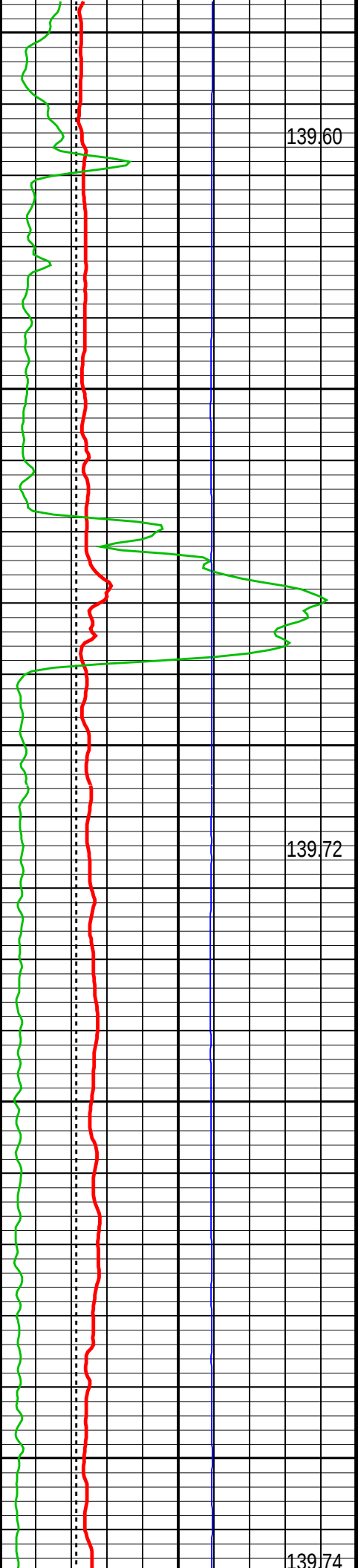




6700

6800

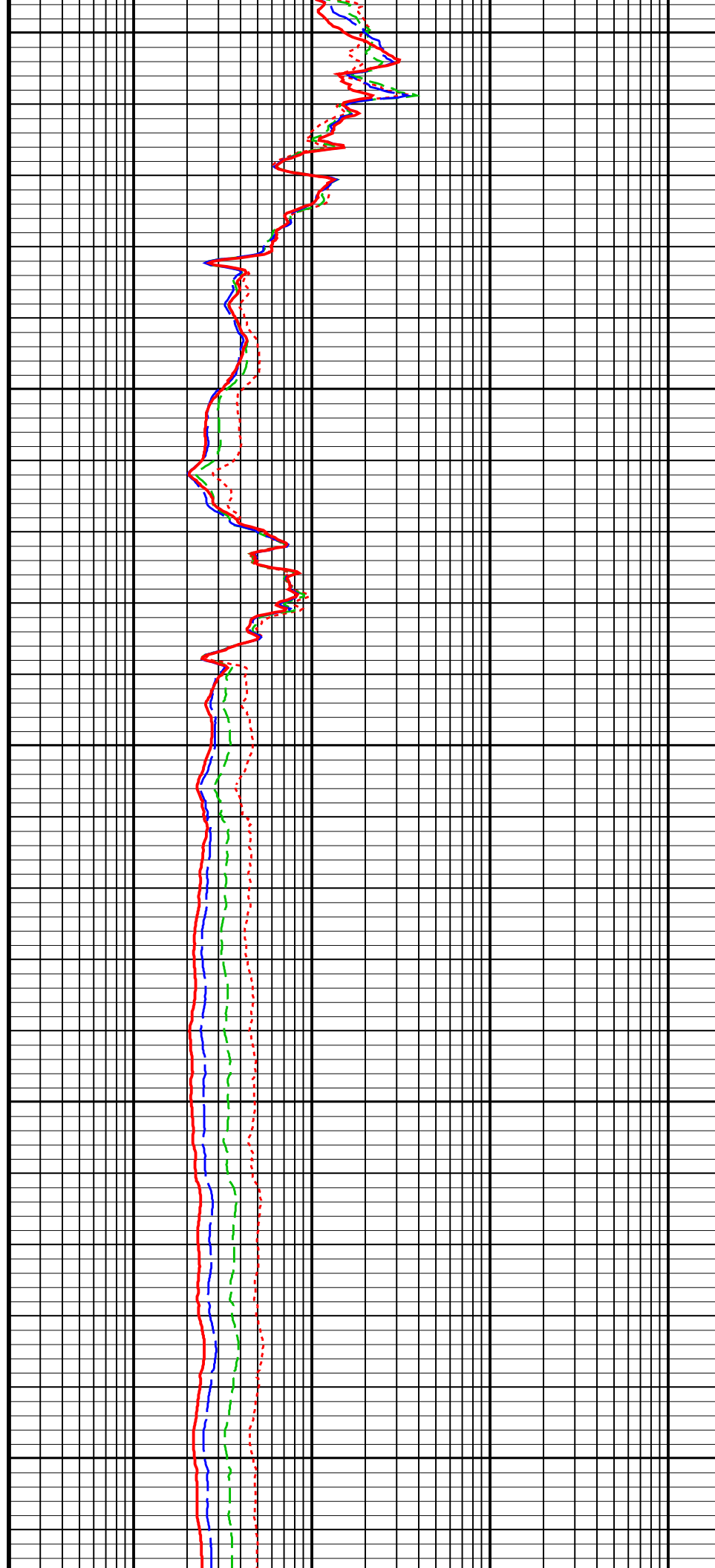


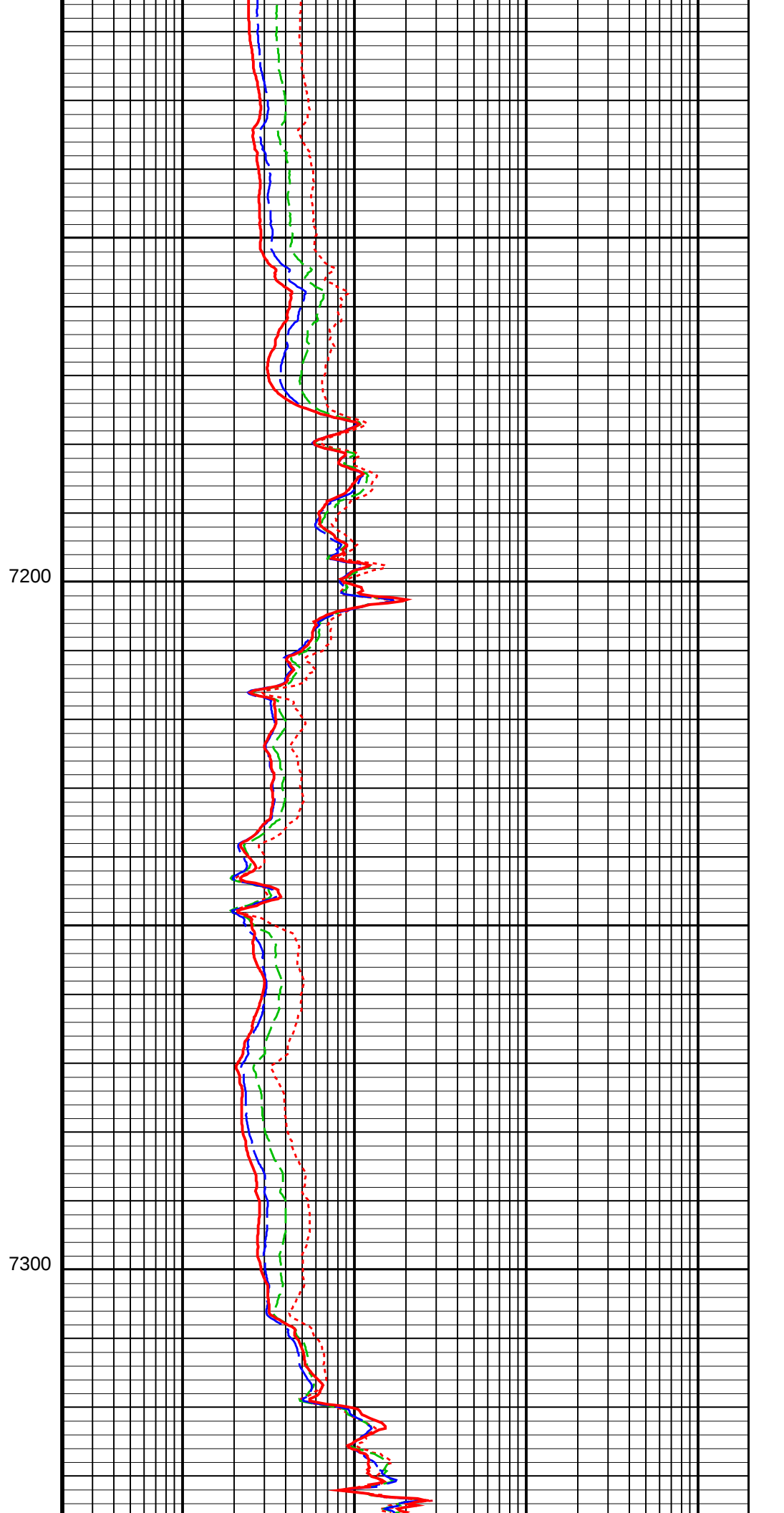
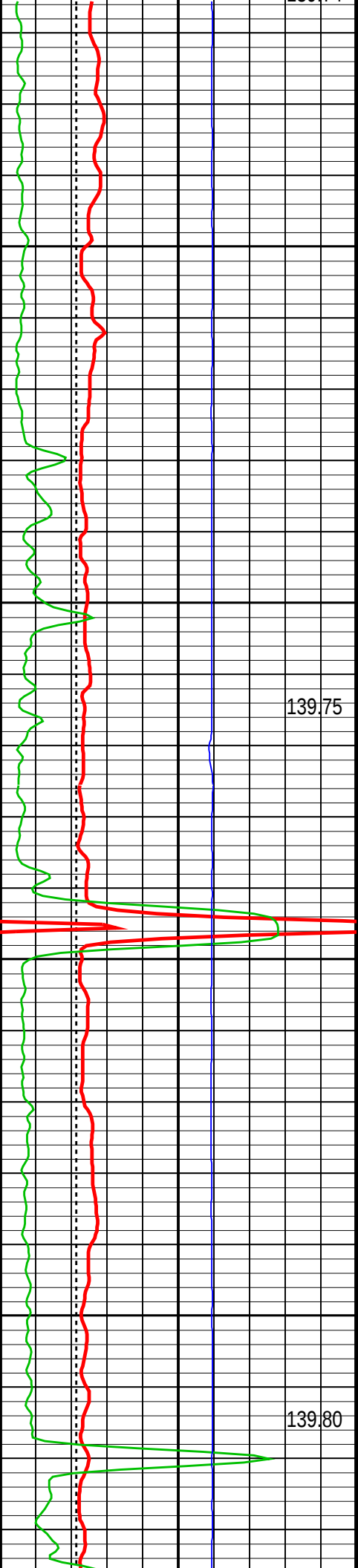


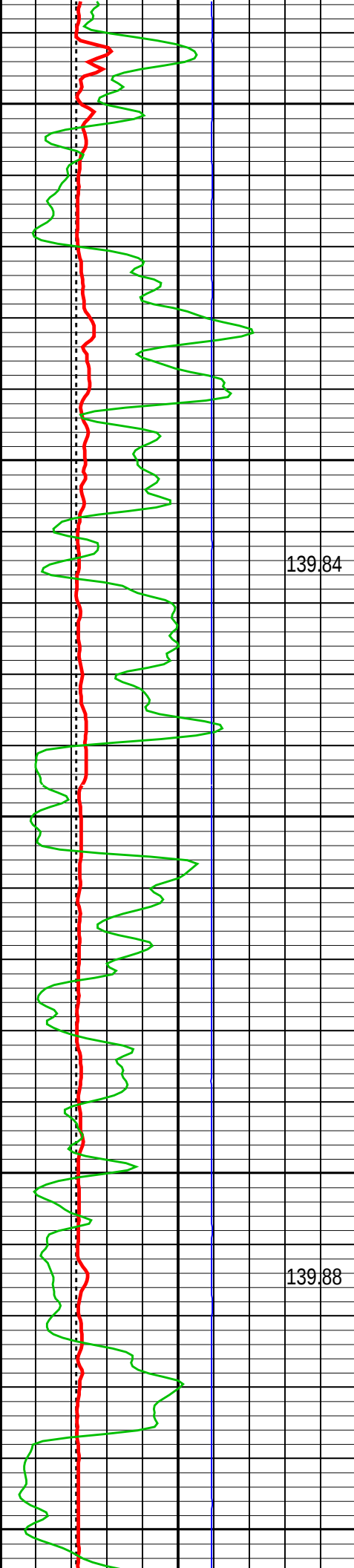
6900

7000

7100





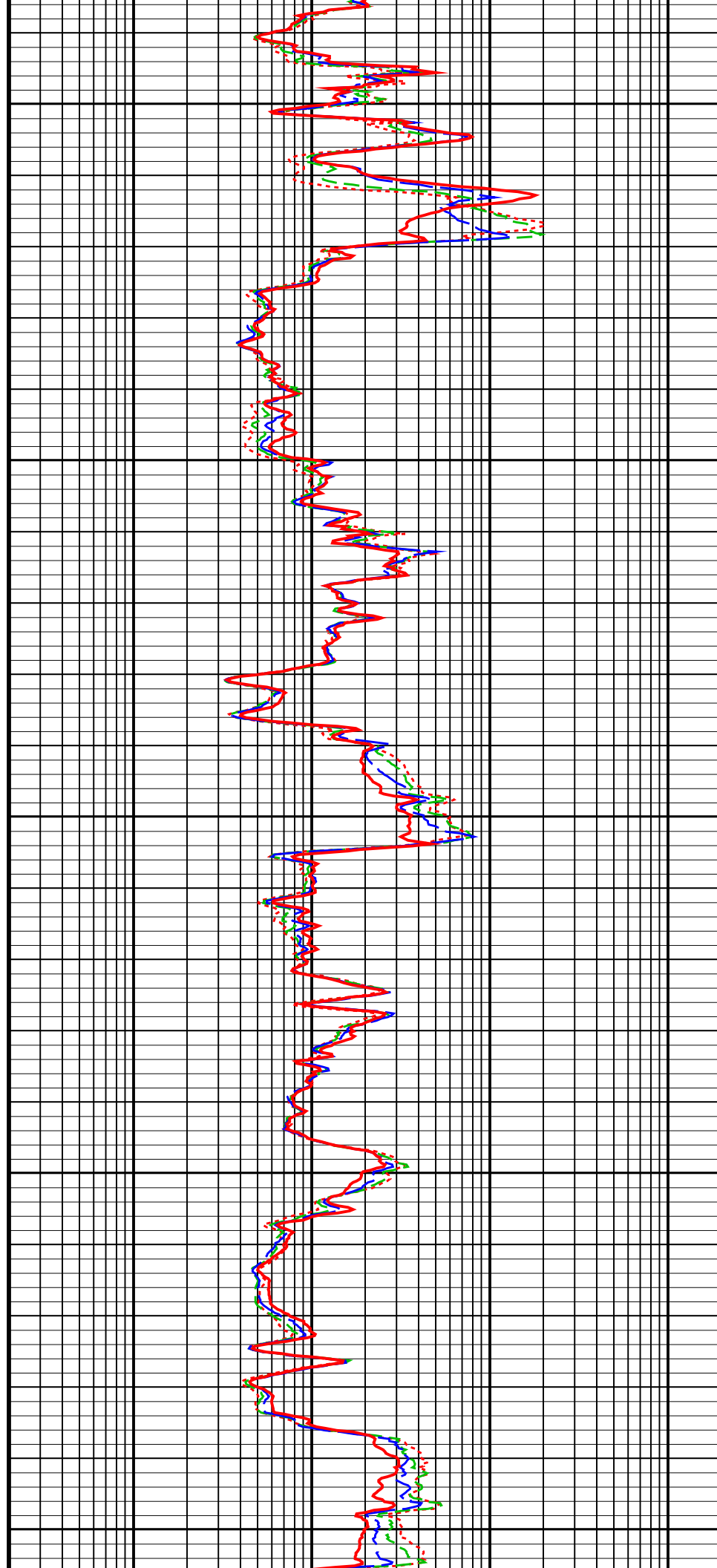


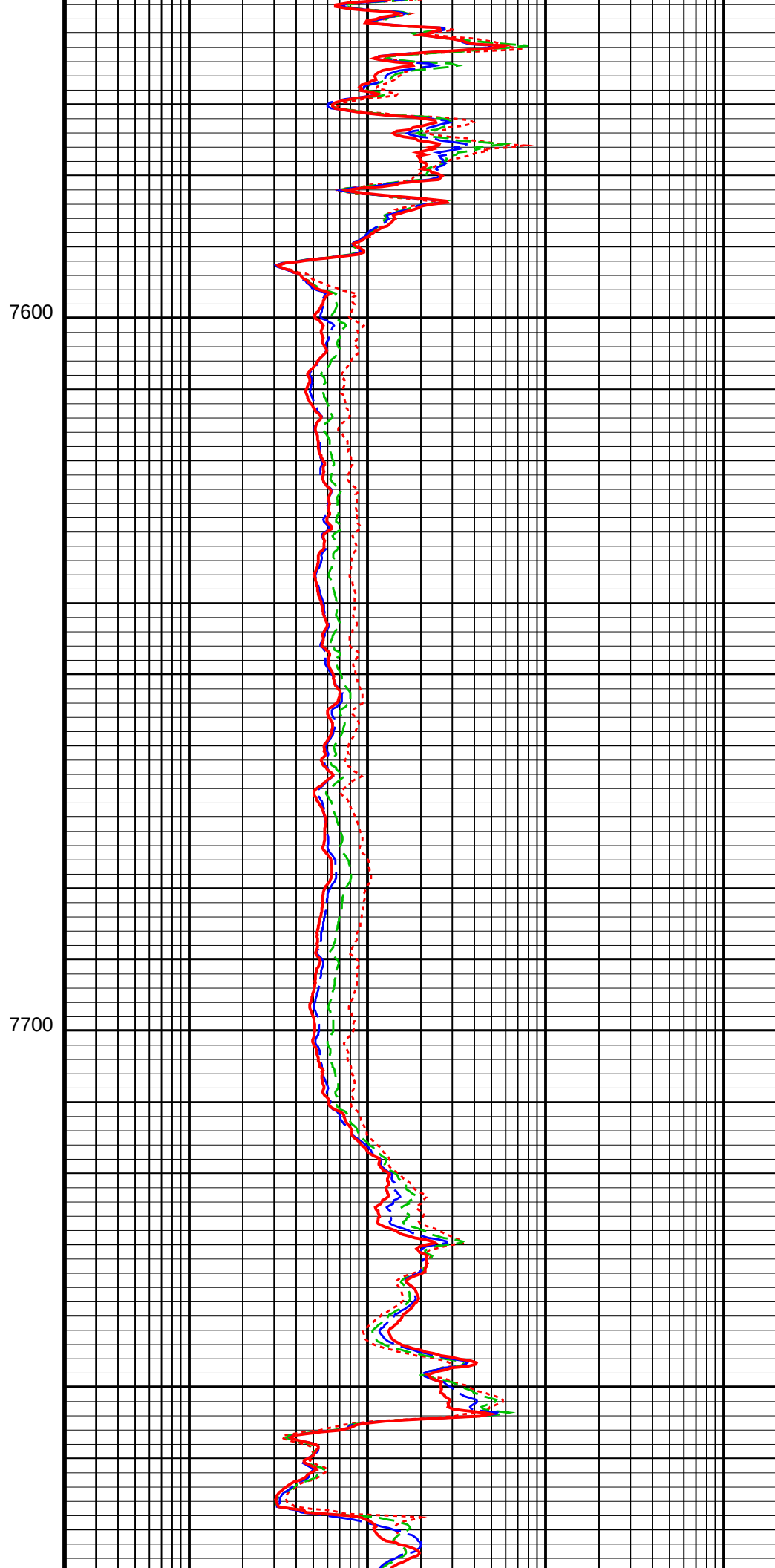
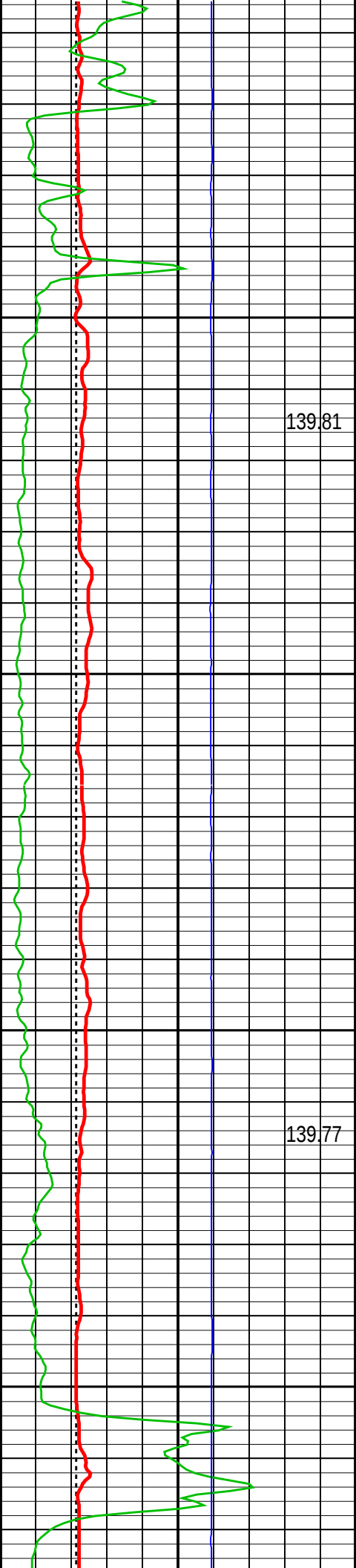
7400

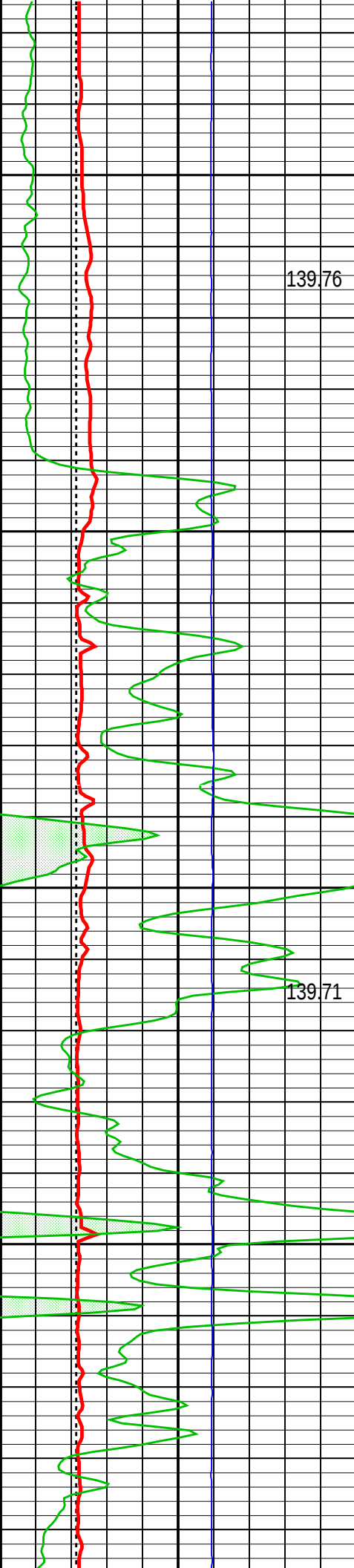
139.84

7500

139.88

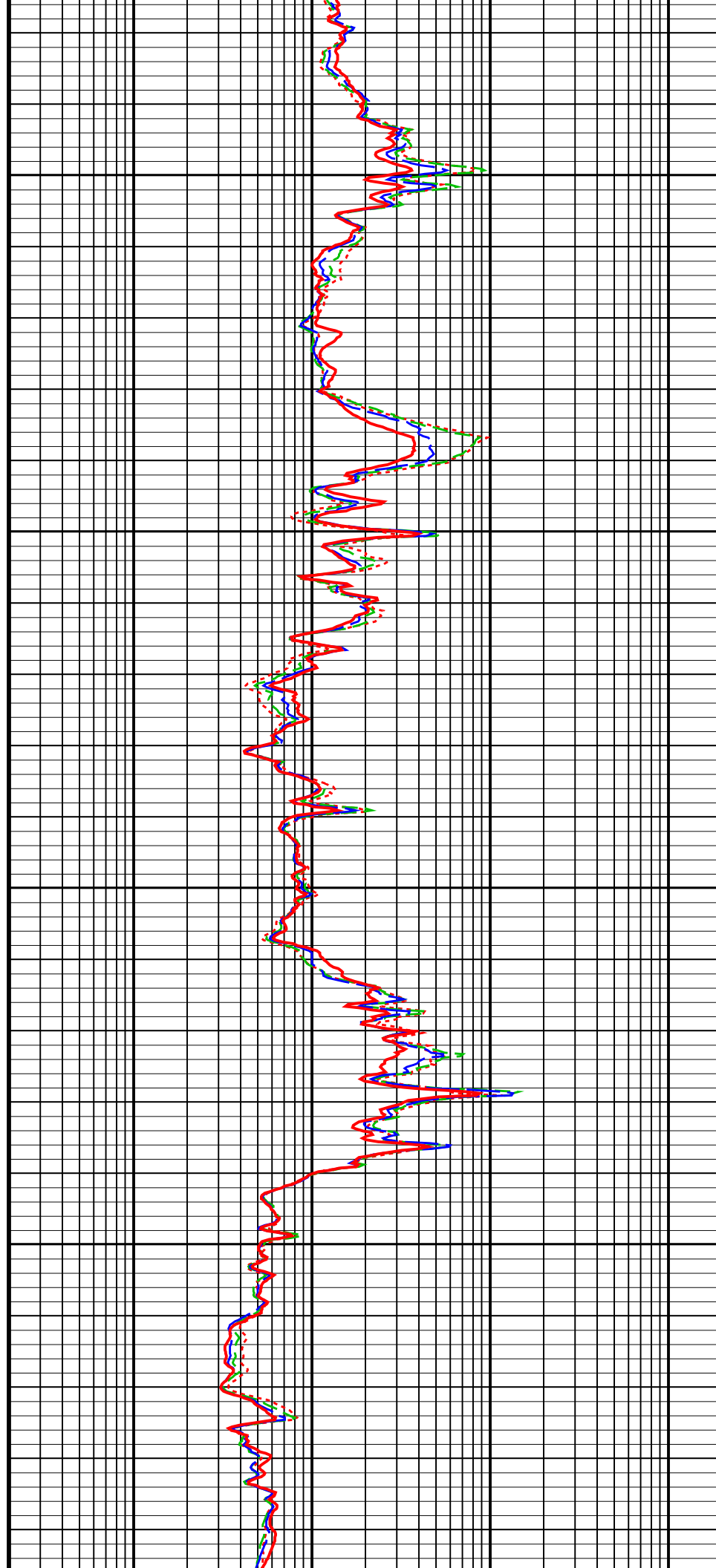


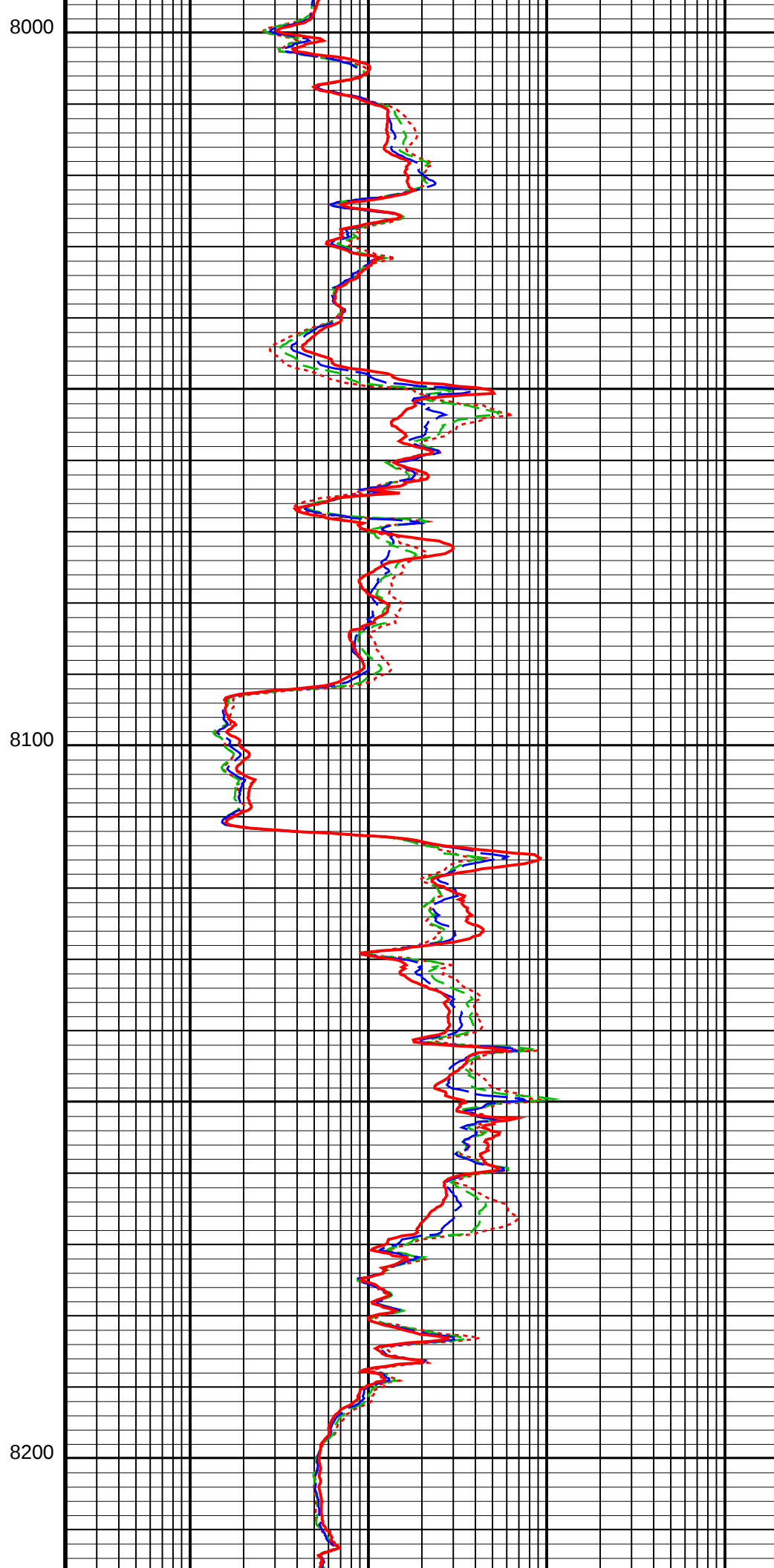
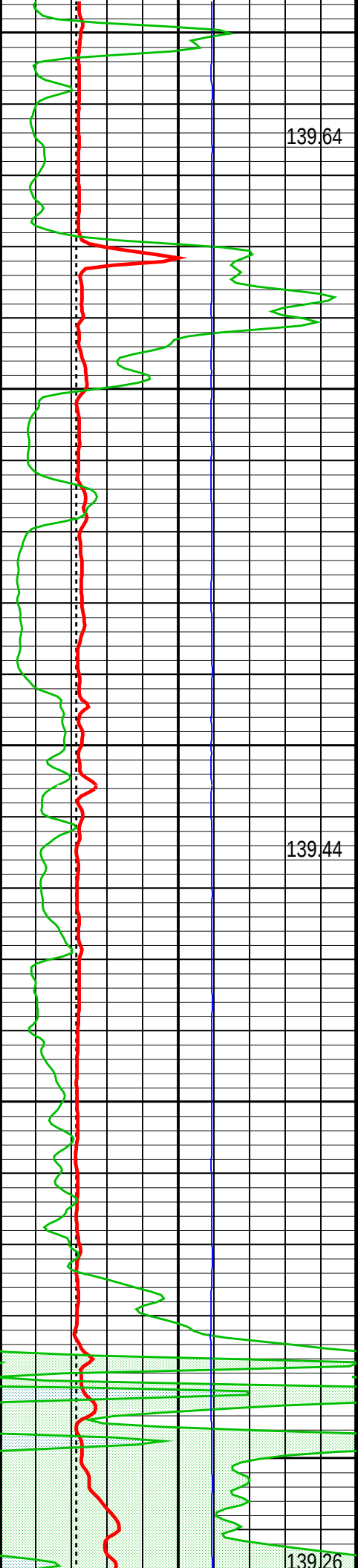


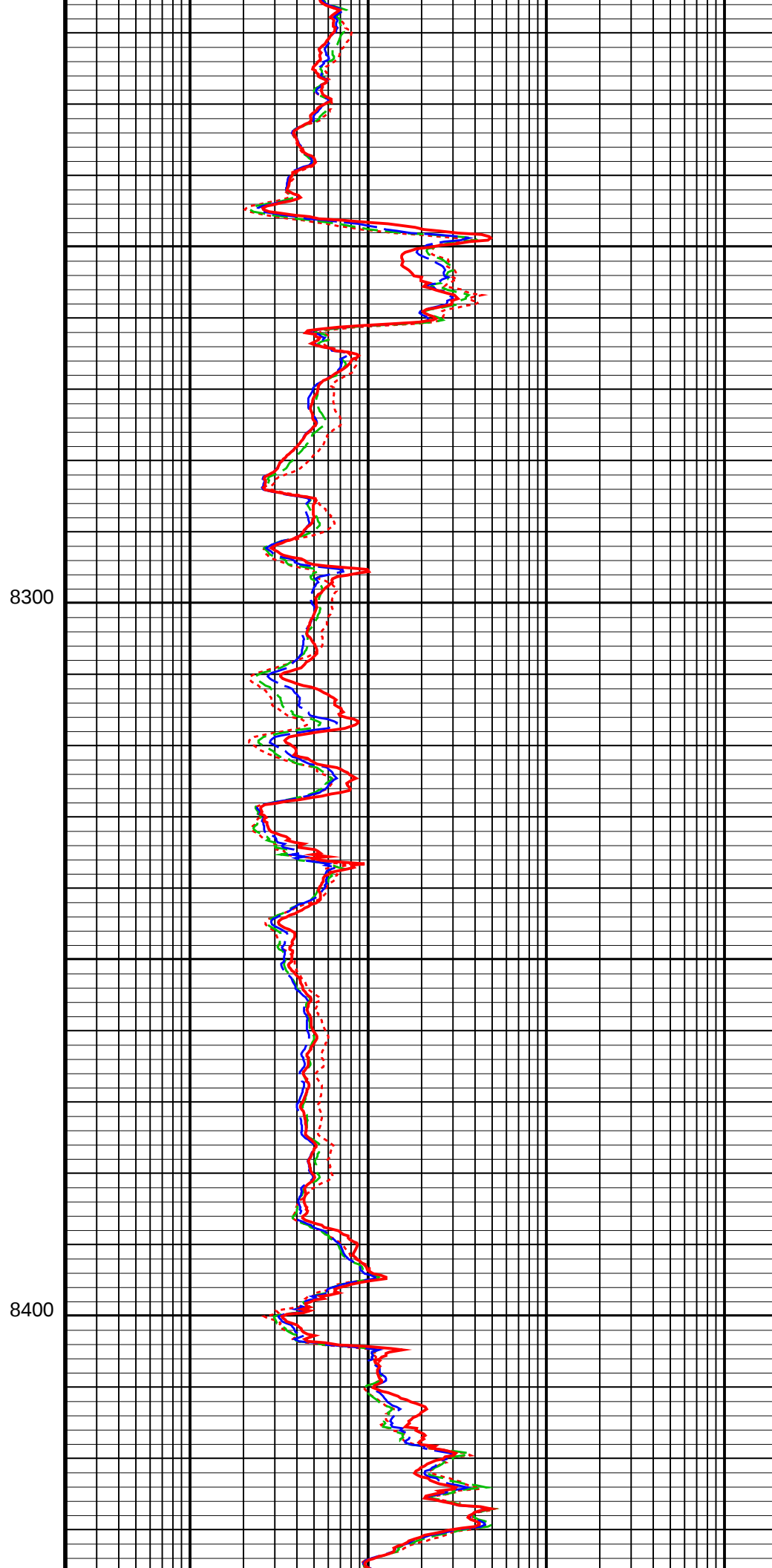
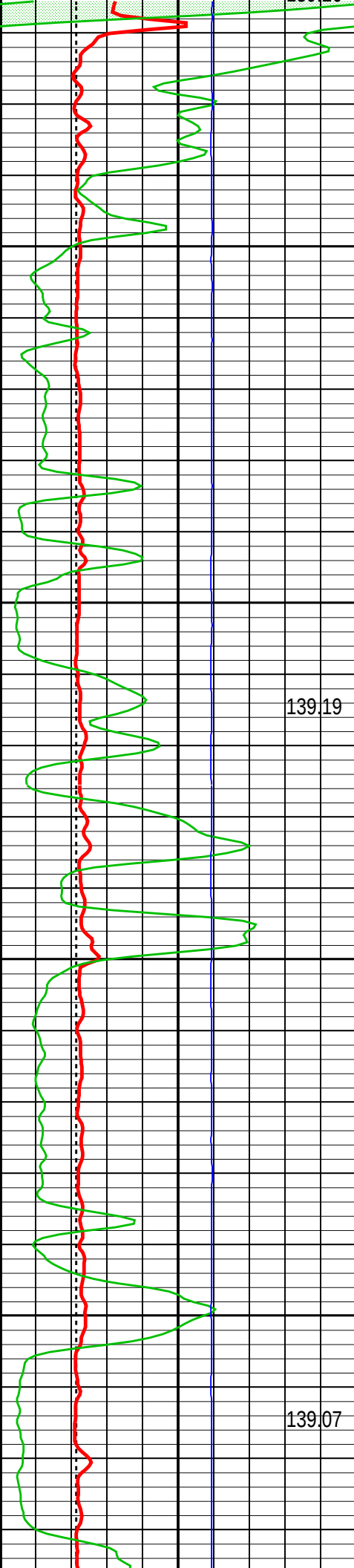


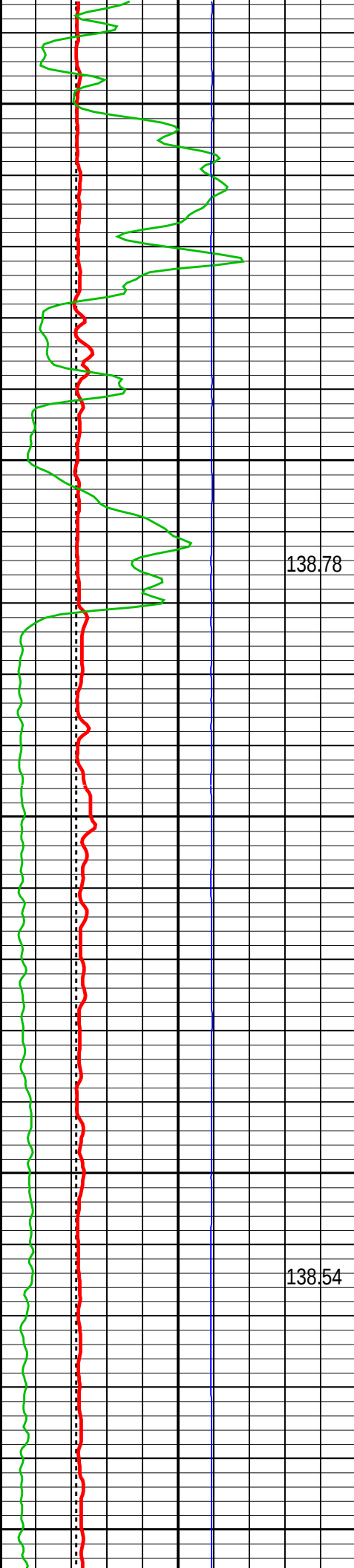
7800

7900







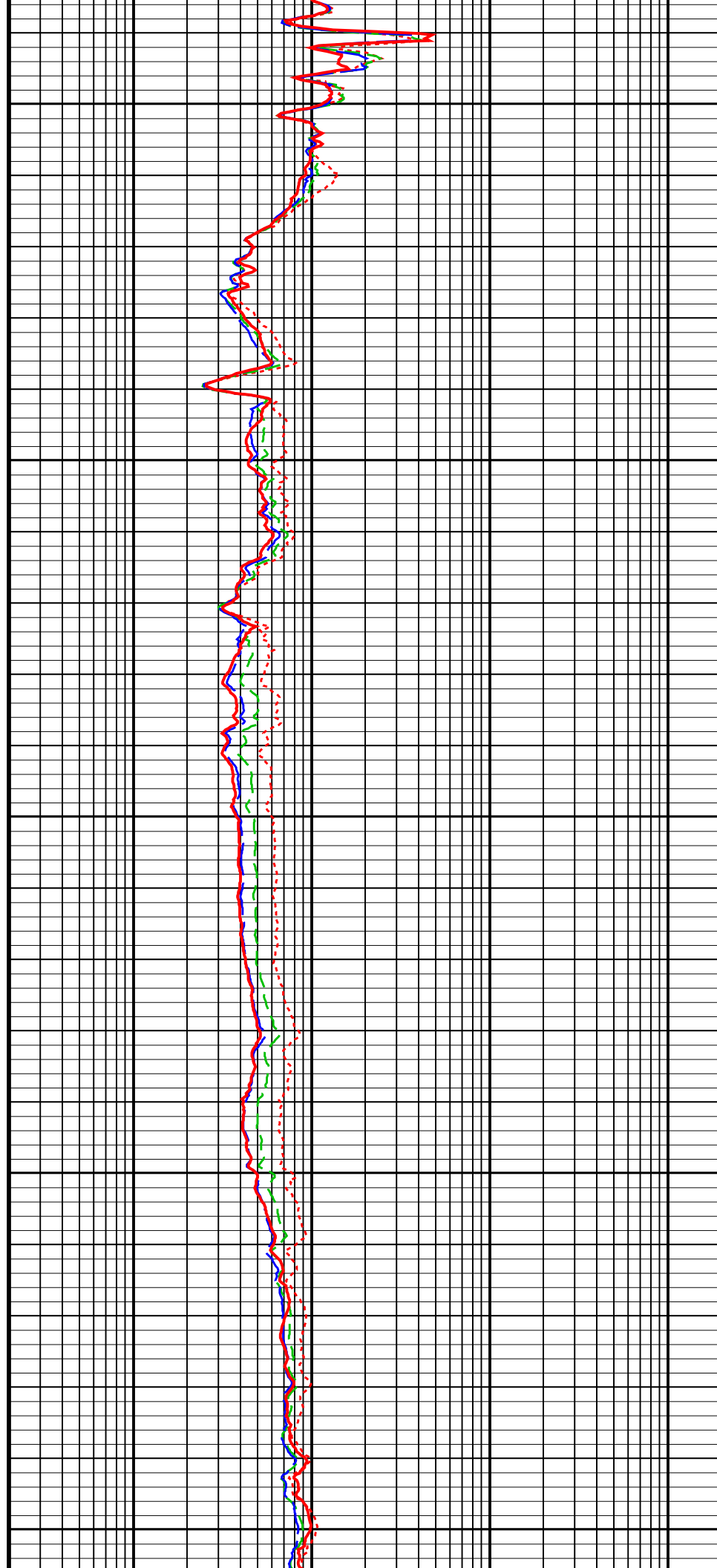


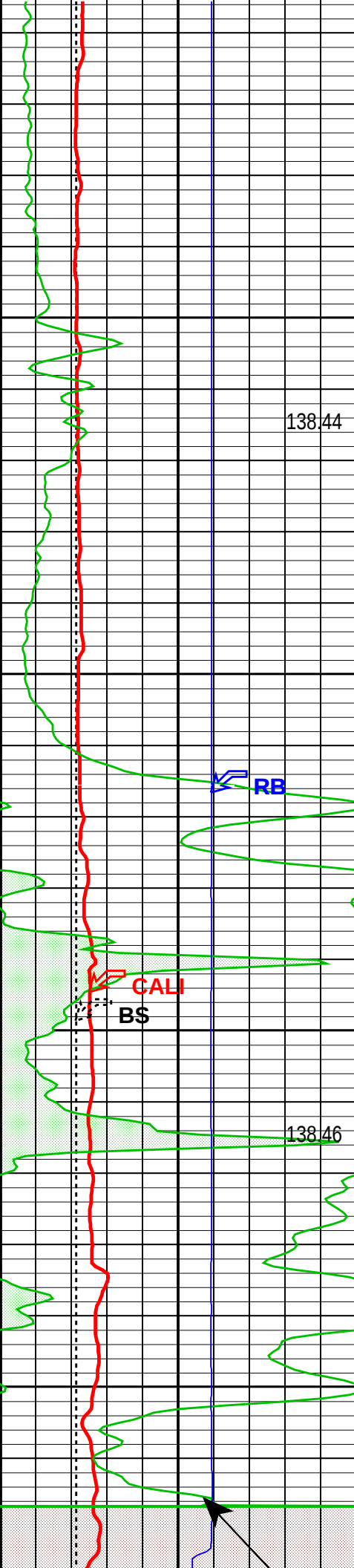
8500

8600

138.78

138.54





8700

138.44

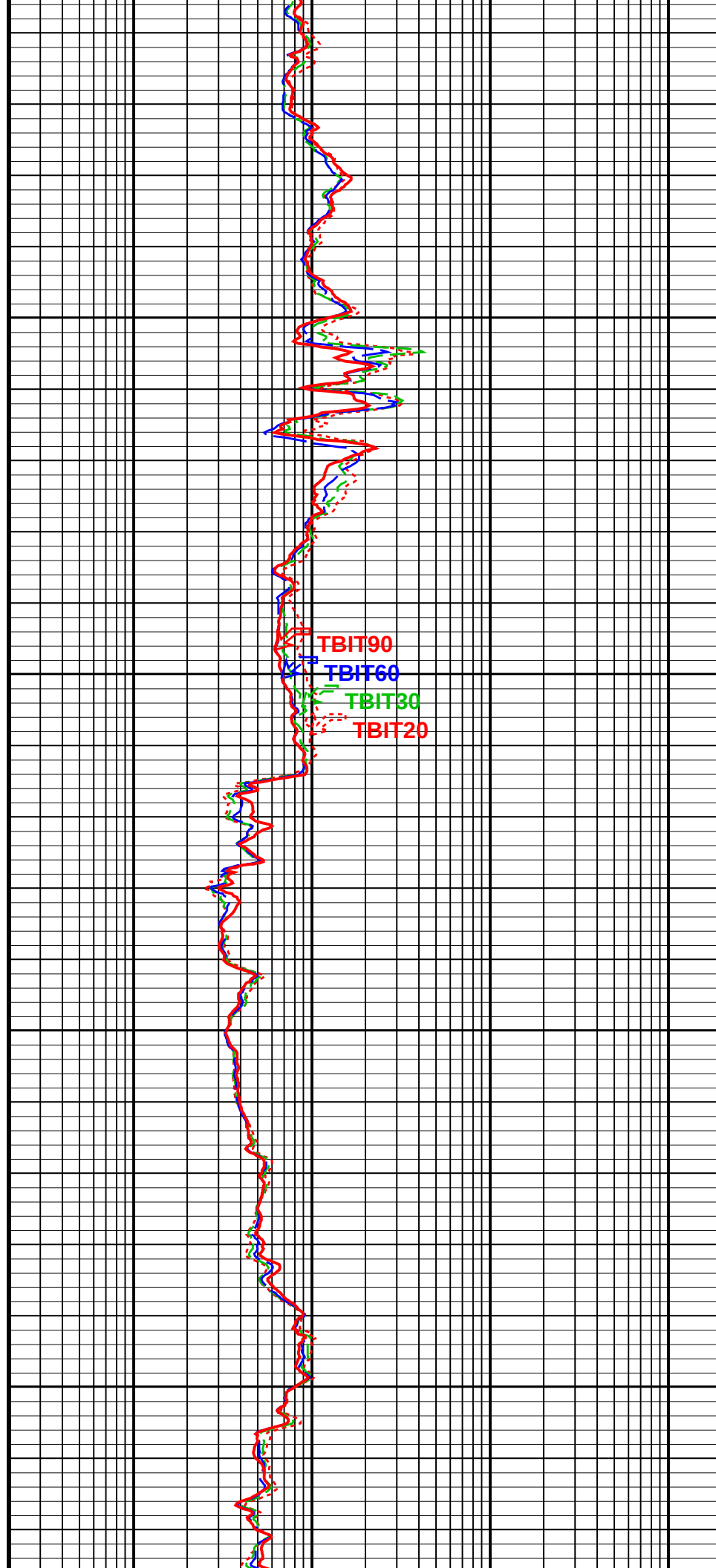
RB

CALI

BS

138.46

8800

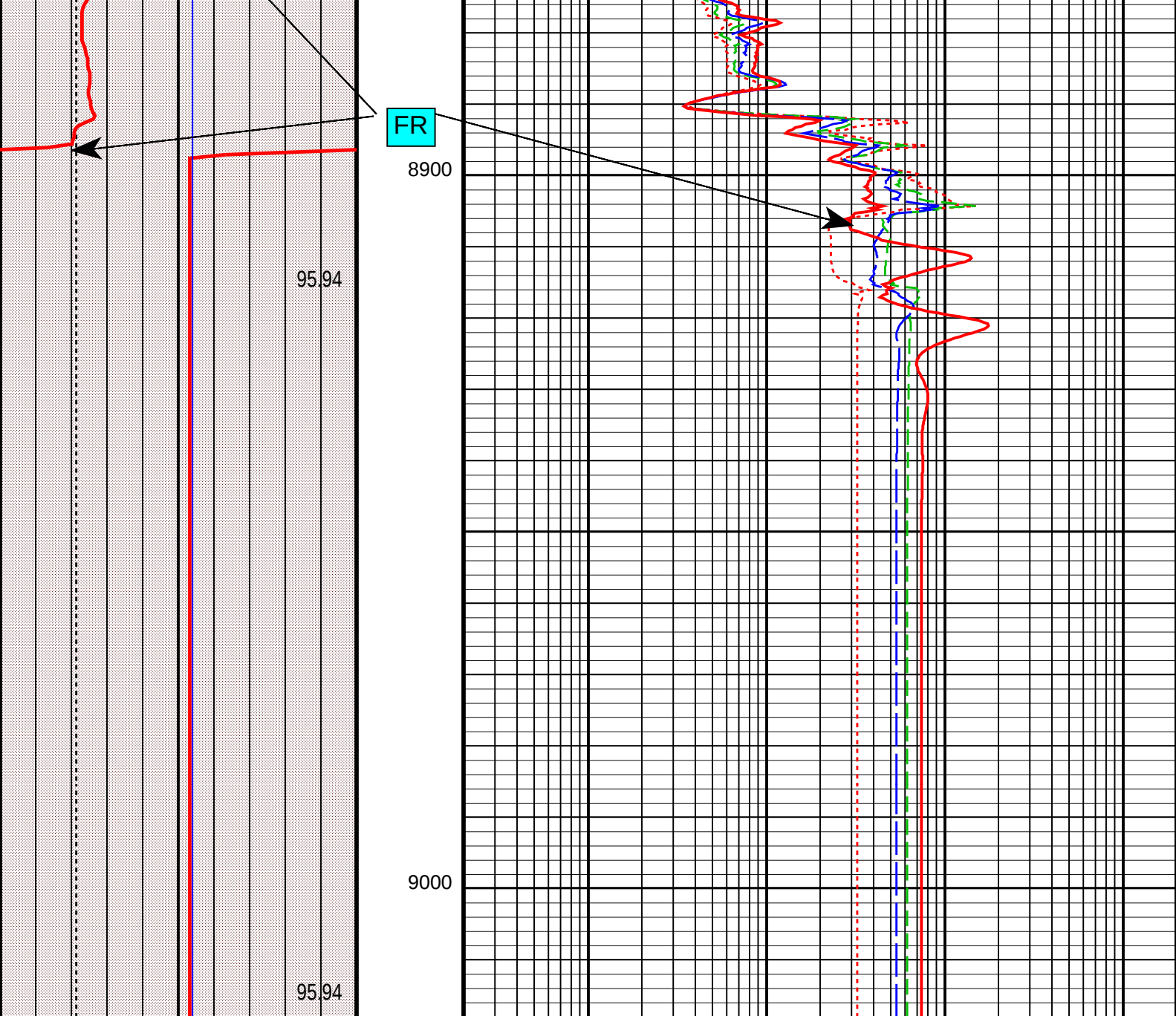


TBIT90

TBIT60

TBIT30

TBIT20



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

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

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
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: 02-Aug-2014 05:56		

OP System Version: 19C2-270				
TBT	SRPC-5298-ThruBit_b			
Input DLIS Files				
ThruBit_005PUP	FN:4	02-Aug-2014 05:45	9018.0 FT	2475.5 FT



CALIBRATIONS

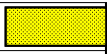
MAXIS Field Log

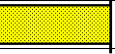
ThruBit String / Equipment Identification		
Primary Equipment:		
Induction Resistivity	TBI - A	48
Density	TBD - A	46
Gamma-Ray Logging Source	GGLS - FZ	3216
Thermal Neutron	TBN - A	18
Neutron Logging Source	NNLS - EWA	4484
Spectral GR	TBSG - A	5
Telemetry Memory GR	TMG - A	27
Battery	TBAT -	2
Auxiliary Equipment:		

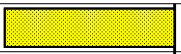
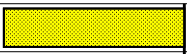
TBI Master Calibration Sonde Errors					
Freq 1, A1, R		Value	Nominal	Freq 1, A1, X	
		-477.754	-457.000		
-536.000 (Minimum)	(Nominal)	-387.000 (Maximum)		-500.000 (Minimum)	1100.00 (Maximum)
Freq 1, A2, R		Value	Nominal	Freq 1, A2, X	
		-148.548	-141.000		
-162.000 (Minimum)	(Nominal)	-120.000 (Maximum)		-75.0000 (Minimum)	700.000 (Maximum)
Freq 1, A3, R		Value	Nominal	Freq 1, A3, X	
		-29.5006	-28.0000		
-38.0000 (Minimum)	(Nominal)	-18.0000 (Maximum)		-375.000 (Minimum)	475.000 (Maximum)
Freq 1, A4, R		Value	Nominal	Freq 1, A4, X	
		-17.1795	-16.0000		
-24.0000 (Minimum)	(Nominal)	-8.00000 (Maximum)		25.0000 (Minimum)	575.000 (Maximum)
Freq 1, A5, R		Value	Nominal	Freq 1, A5, X	
		-14.9890	-14.0000		
-21.0000 (Minimum)	(Nominal)	-7.00000 (Maximum)		25.0000 (Minimum)	275.000 (Maximum)
Freq 2, A1, R		Value	Nominal	Freq 2, A1, X	
		-248.729	-237.000		
-293.000 (Minimum)	(Nominal)	-186.000 (Maximum)		-375.000 (Minimum)	675.000 (Maximum)
Freq 2, A2, R		Value	Nominal	Freq 2, A2, X	
		-96.3757	-92.0000		
-106.000 (Minimum)	(Nominal)	-76.0000 (Maximum)		-100.000 (Minimum)	425.000 (Maximum)
Freq 2, A3, R		Value	Nominal	Freq 2, A3, X	
		-21.3083	-21.0000		
-28.0000 (Minimum)	(Nominal)	-13.0000 (Maximum)		-325.000 (Minimum)	250.000 (Maximum)
Freq 2, A4, R		Value	Nominal	Freq 2, A4, X	
		-20.1695	-20.0000		
-28.0000 (Minimum)	(Nominal)	-10.0000 (Maximum)		-75.0000 (Minimum)	275.000 (Maximum)
Freq 2, A5, R		Value	Nominal	Freq 2, A5, X	
		-19.7655	-20.0000		
-27.0000 (Minimum)	(Nominal)	-10.0000 (Maximum)		-125.000 (Minimum)	75.0000 (Maximum)
Freq 3, A1, R		Value	Nominal	Freq 3, A1, X	
		-158.303	-149.000		
-193.000 (Minimum)	(Nominal)	-108.000 (Maximum)		-375.000 (Minimum)	425.000 (Maximum)
Freq 3, A2, R		Value	Nominal	Freq 3, A2, X	
		-73.4697	-70.0000		
-81.0000 (Minimum)	(Nominal)	-57.0000 (Maximum)		-125.000 (Minimum)	250.000 (Maximum)
Freq 3, A3, R		Value	Nominal	Freq 3, A3, X	
		-17.3847	-17.0000		
-23.0000 (Minimum)	(Nominal)	-11.0000 (Maximum)		-300.000 (Minimum)	125.000 (Maximum)
Freq 3, A4, R		Value	Nominal	Freq 3, A4, X	
		-21.8296	-22.0000		
-31.0000 (Minimum)	(Nominal)	-11.0000 (Maximum)		-200.000 (Minimum)	100.000 (Maximum)
Freq 3, A5, R		Value	Nominal	Freq 3, A5, X	
		-22.3674	-22.0000		
-32.0000 (Minimum)	(Nominal)	-11.0000 (Maximum)		-250.000 (Minimum)	-25.0000 (Maximum)
Freq 4, A1, R		Value	Nominal	Freq 4, A1, X	
		-86.9244	-80.0000		
-120.000 (Minimum)	(Nominal)	54.0000 (Maximum)		-450.000 (Minimum)	75.0000 (Maximum)

-108.000 (Minimum)	(Nominal)	-54.0000 (Maximum)		-450.000 (Minimum)	(Nominal)	75.0000 (Maximum)	
Freq 4, A2, R			Value	Nominal	Freq 4, A2, X		
			-52.6892	-50.0000			
-60.0000 (Minimum)	(Nominal)	-41.0000 (Maximum)		-200.000 (Minimum)	(Nominal)	50.0000 (Maximum)	
Freq 4, A3, R			Value	Nominal	Freq 4, A3, X		
			-13.6973	-14.0000			
-19.0000 (Minimum)	(Nominal)	-8.00000 (Maximum)		-350.000 (Minimum)	(Nominal)	-25.0000 (Maximum)	
Freq 4, A4, R			Value	Nominal	Freq 4, A4, X		
			-25.1397	-25.0000			
-37.0000 (Minimum)	(Nominal)	-11.0000 (Maximum)		-400.000 (Minimum)	(Nominal)	-75.0000 (Maximum)	
Freq 4, A5, R			Value	Nominal	Freq 4, A5, X		
			-28.4649	-28.0000			
-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		
			0.9896	1.000			
			0.9874	1.000			
			0.9915	1.000			
			0.9919	1.000			
			0.9955	1.000			
0.9500 (Minimum)	(Nominal)	1.050 (Maximum)			-0.05000 (Minimum)	(Nominal)	0.05000 (Maximum)
Freq 2, R			Value	Nominal	Freq 2, X		
			0.9848	1.000			
			0.9821	1.000			
			0.9806	1.000			
			0.9876	1.000			
			0.9917	1.000			
0.9500 (Minimum)	(Nominal)	1.050 (Maximum)			-0.05000 (Minimum)	(Nominal)	0.05000 (Maximum)
Freq 3, R			Value	Nominal	Freq 3, X		
			0.9847	1.000			
			0.9825	1.000			
			0.9807	1.000			
			0.9865	1.000			
			0.9930	1.000			
0.9500 (Minimum)	(Nominal)	1.050 (Maximum)			-0.05000 (Minimum)	(Nominal)	0.05000 (Maximum)
Freq 4, R			Value	Nominal	Freq 4, X		
			0.9877	1.000			
			0.9851	1.000			
			0.9854	1.000			
			0.9901	1.000			
			1.003	1.000			
0.9300 (Minimum)	(Nominal)	1.070 (Maximum)			-0.05000 (Minimum)	(Nominal)	0.05000 (Maximum)
Master: 5-Jun-2014 10:00							

Caliper 12in Ring IN	Value	Nominal	Caliper 9in Ring IN	Value	Nominal	Caliper 6in Ring IN	Value	Nominal
	1862.3	1949.8		2014.5	2096.7		2174.6	2285.7
1799.8 (Minimum)	2099.8 (Maximum)		1946.7 (Minimum)	2246.7 (Maximum)		2135.7 (Minimum)	2435.7 (Maximum)	
Master: 31-Jul-2014 15:44								

ThruBit String Master Calibration					
TBD Density Master Calibration. PEEK Window, ThruBit blocks					
Aluminium Density G/C3		Value	Nominal	Magnesium Density G/C3	
		2.607	2.607		
2.557 (Minimum)	2.657 (Maximum)			1.702 (Minimum)	1.802 (Maximum)
LS1 Background CPS		Value	Nominal	SS1 Background CPS	
		136.85	140.00		
100.00 (Minimum)	187.00 (Maximum)			100.00 (Minimum)	185.00 (Maximum)
LS4 Background CPS		Value	Nominal	SS1 Aluminium CPS	
		27.65	29.00		
20.00 (Minimum)	38.00 (Maximum)			4076.00 (Minimum)	5613.00 (Maximum)
LS1 Aluminium CPS		Value	Nominal	SS1 Magnesium CPS	
		858.99	870.00		
750.00 (Minimum)	982.00 (Maximum)			6695.00 (Minimum)	9269.00 (Maximum)
LS4 Aluminium CPS		Value	Nominal		
		989.23	955.00		
796.00 (Minimum)		1169.0 (Maximum)			
LS1 Al + Sleeve CPS		Value	Nominal		
		773.67	725.00		
650.00 (Minimum)		838.00 (Maximum)			
LS4 Al + Sleeve CPS		Value	Nominal		
		484.93	426.50		
382.00 (Minimum)		638.00 (Maximum)			
LS1 Magnesium CPS		Value	Nominal		
		5514.42	5800.00		
5158.00 (Minimum)		6486.00 (Maximum)			
SS Slope		Value	Nominal		
		1.698	1.645		
1.520 (Minimum)		1.770 (Maximum)			
LS Slope		Value	Nominal		
		0.4227	0.4150		
0.3800 (Minimum)		0.4500 (Maximum)			
Pef K Factor		Value	Nominal		
		4.909	4.840		
3.510 (Minimum)		6.170 (Maximum)			
Pef B Factor		Value	Nominal		
		-0.6369	-0.5550		
-0.7000 (Minimum)		-0.4100 (Maximum)			
Master: 31-Jul-2014 15:32					

ThruBit String Master Calibration					
Thermal Neutron Master Calibration					
TNF, Background CPS	Value	Nominal	TNN, Background CPS	Value	Nominal
	0.15	1.0		0.10	1.0
0 (Minimum)	2.0 (Maximum)		0 (Minimum)	2.0 (Maximum)	
TNF, Tank CPS	Value	Nominal	TNN, Tank CPS	Value	Nominal

TNF, Tank CPS	Value	Nominal	TNN, Tank CPS	Value	Nominal
	85.42	96.00		2557.8	2860.0
25.00 (Minimum)	200.0 (Maximum)		750.00 (Minimum)	5700.0 (Maximum)	
TNF, Tank + AI Sleeve CPS	Value	Nominal	TNN, Tank + AI Sleeve CPS	Value	Nominal
	2821.5	3040.0		29602.7	32350.0
727.00 (Minimum)	6080.0 (Maximum)		8000.00 (Minimum)	64700.0 (Maximum)	
Tank + AI Sleeve Ratio	Value	Nominal	Tank + AI Sleeve Porosity PU	Value	Nominal
	10.847	10.797		14.46	14.40
10.300 (Minimum)	11.300 (Maximum)		13.40 (Minimum)	15.40 (Maximum)	
Tank, Ratio	Value	Nominal	Tank, Temperature DEGF	Value	Nominal
	29.945	30.958		77.0	70.0
28.000 (Minimum)	34.000 (Maximum)		20.0 (Minimum)	120 (Maximum)	
Master: 31-Jul-2014 14:17					

ThruBit String Master Calibration							
TMG Accelerometer Calibration							
Minimum Ax, m/s2		Value	Nominal	Maximum Ax, m/s2		Value	Nominal
NOT DONE		N/A	-9.810	NOT DONE		N/A	9.810
-10.81 (Minimum)		-8.810 (Maximum)		8.810 (Minimum)		10.81 (Maximum)	
Minimum Ay, m/s2		Value	Nominal	Maximum Ay, m/s2		Value	Nominal
NOT DONE		N/A	-9.810	NOT DONE		N/A	9.810
-10.81 (Minimum)		-8.810 (Maximum)		8.810 (Minimum)		10.81 (Maximum)	
Minimum Az, m/s2		Value	Nominal	Maximum Az, m/s2		Value	Nominal
NOT DONE		N/A	0	NOT DONE		N/A	9.810
-1.000 (Minimum)		1.000 (Maximum)		8.810 (Minimum)		10.81 (Maximum)	
RB Offset, degrees		Value	Nominal				
		-17.00	0				
-360.0 (Minimum)		360.0 (Maximum)					
Master: Calibration not done							

ThruBit String Master Calibration					
TMG Gamma-Ray Calibration					
GR Background GAPI	Value	Nominal	GR Jig-Background GAPI	Value	Nominal
	28.95	30.00		161.3	170.8
0 (Minimum)	120.0 (Maximum)		136.6 (Minimum)	205.0 (Maximum)	
Master: Calibration out of date 15-Oct-2013 12:57					

Company: **SANDRIDGE ENERGY**

Schlumberger

Well: **STEWART 3306 3-1H**

Field: **STOHRVILLE**

County: **HARPER**

State: **KANSAS**

ARRAY INDUCTION

GAMMA-RAY

GAMMA RAY
MEMORY LOG

Company: SANDRIDGE ENERGY

Well: STEWART 3306 3-1H

Input DLIS Files

ThruBit_005PUP

FN:4

02-Aug-2014 05:45 9018.0 FT

2475.5 FT

OP System Version: 19C2-270

TBT SRPC-5298-ThruBit_b

Caliper (CALI)
4 (IN) 14

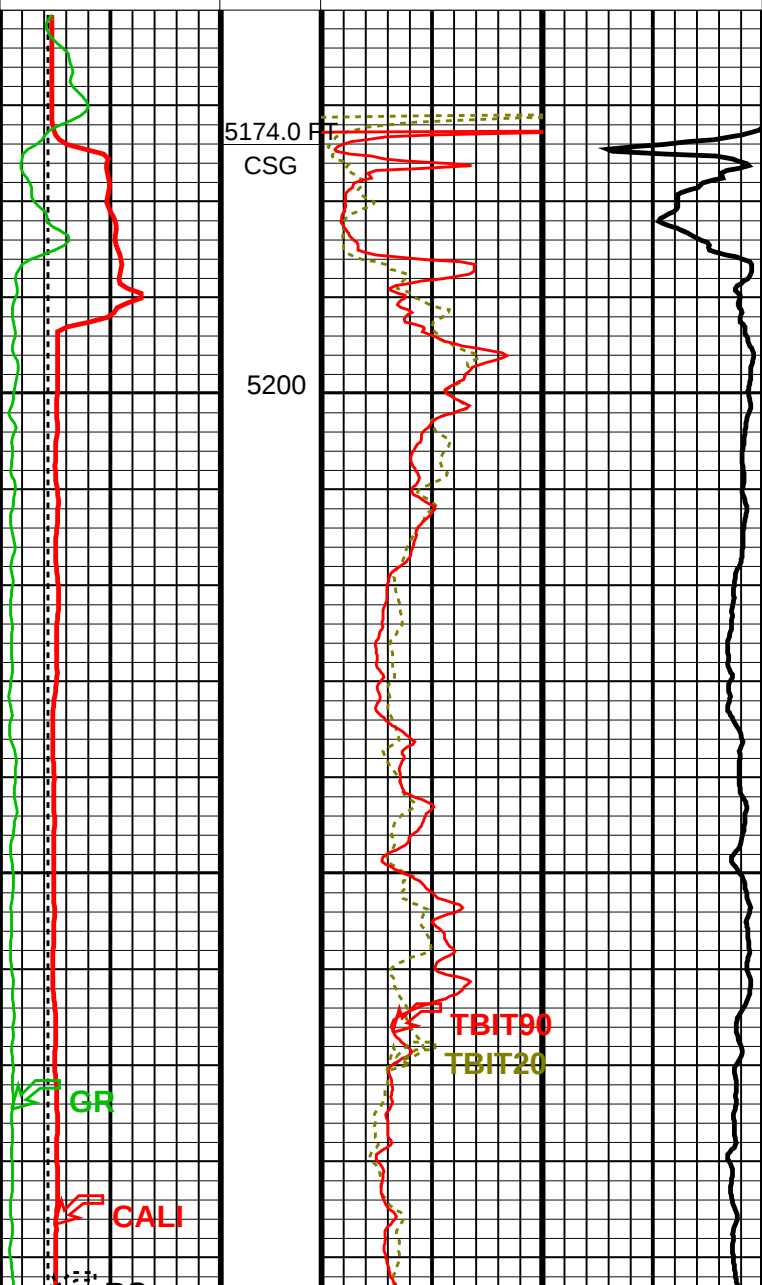
Gamma Ray (GR)
0 (GAPI) 150

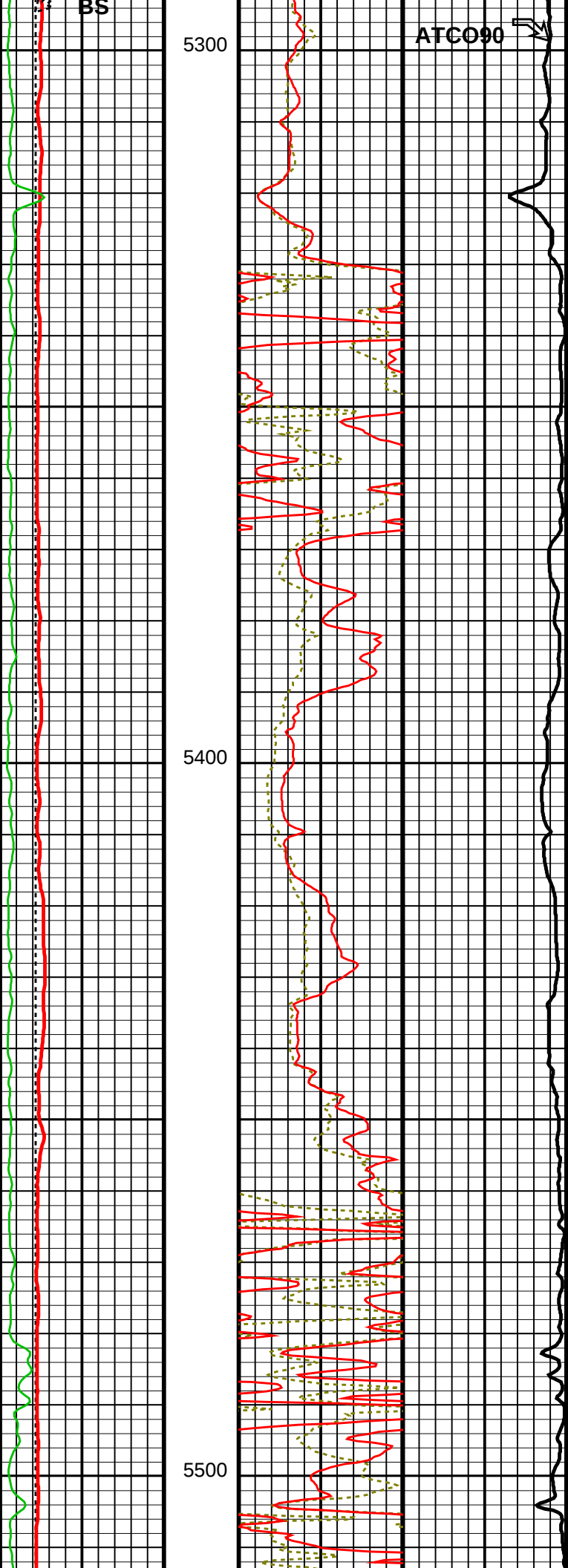
Bit Size (BS)
4 (IN) 14

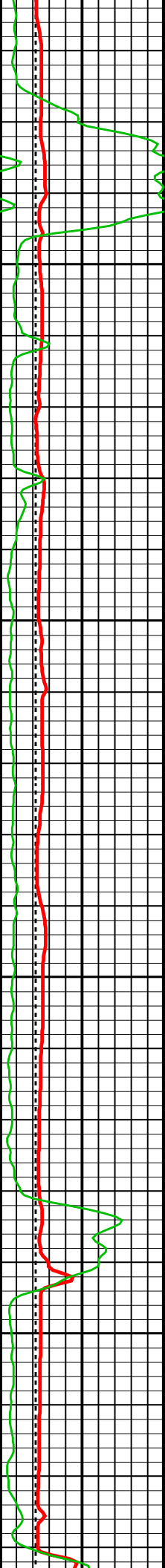
TBI 90 Inch
Investigation
(TBIT90)
0 (OHMM) 50

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

AIT 90 Inch Investigation
Conductivity (ATCO90)
1000 (MS/M) 0

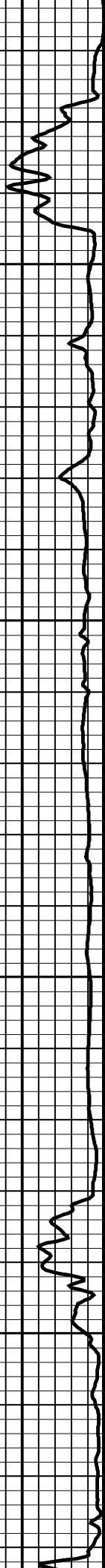
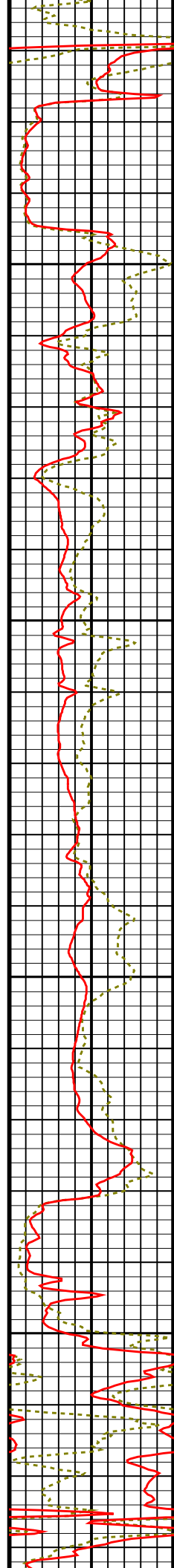


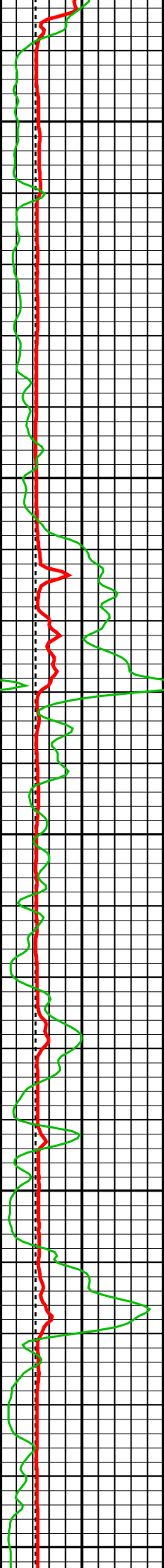




5600

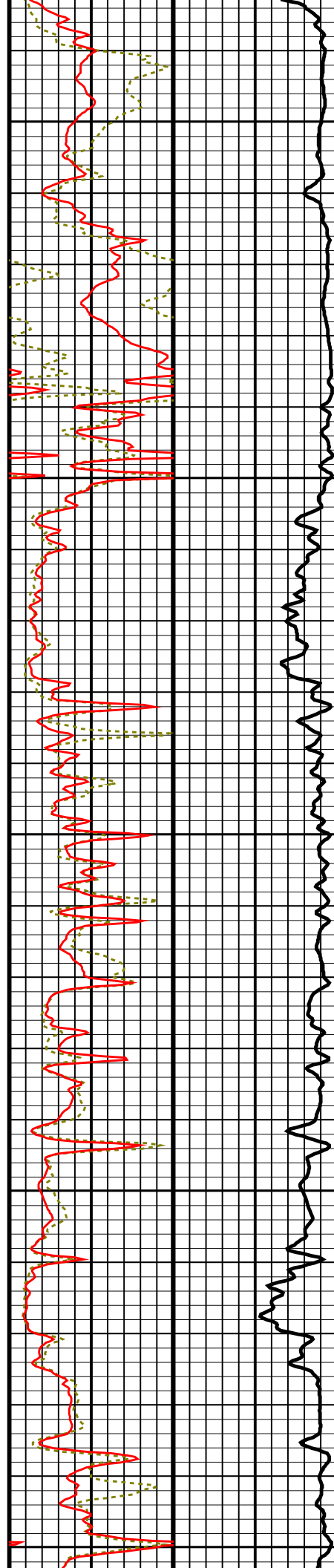
5700

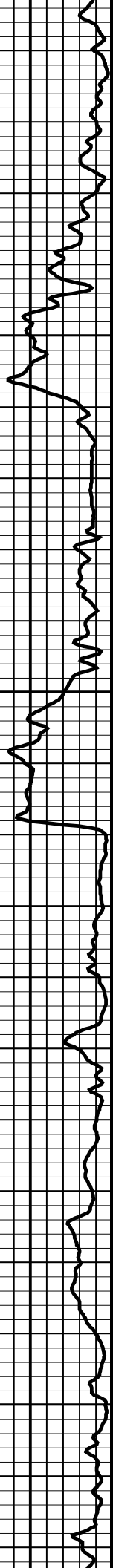
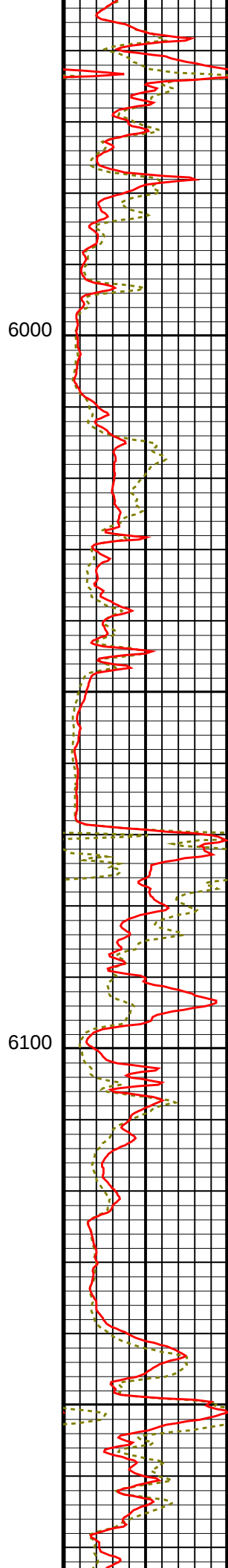
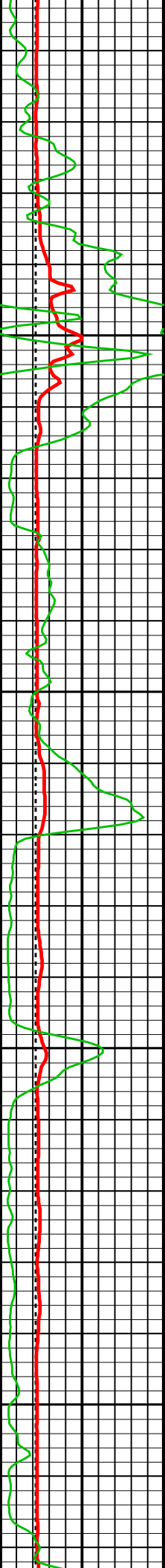


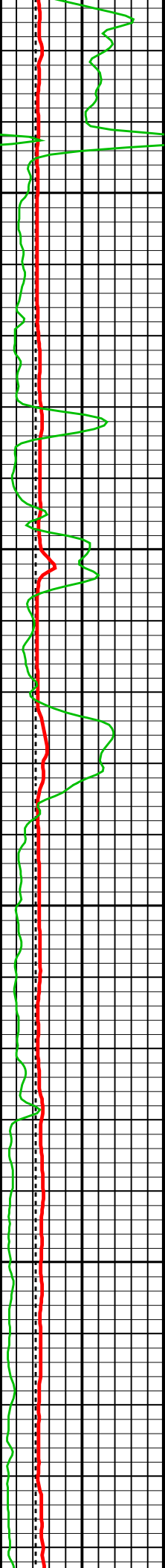


5800

5900

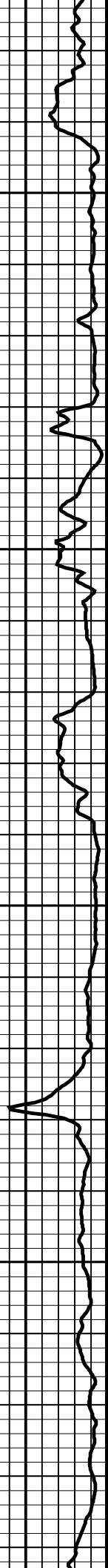
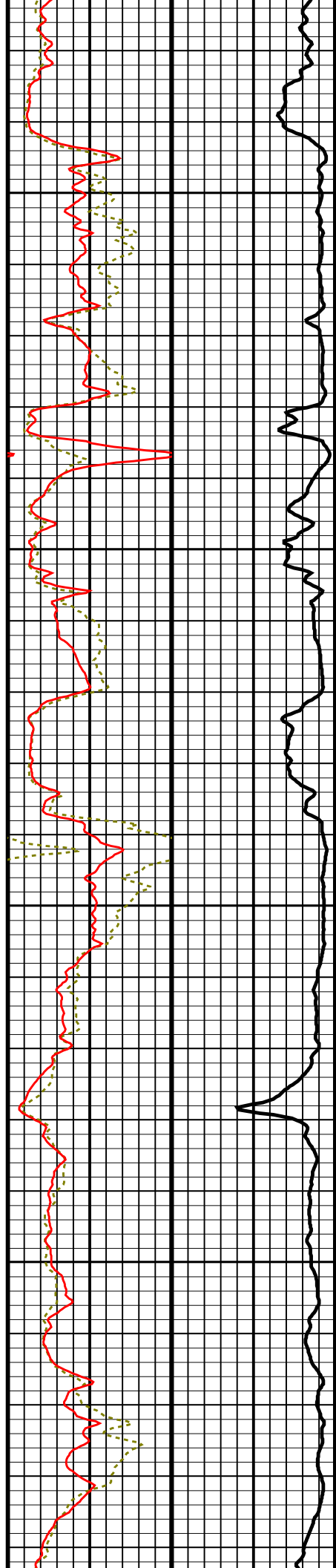


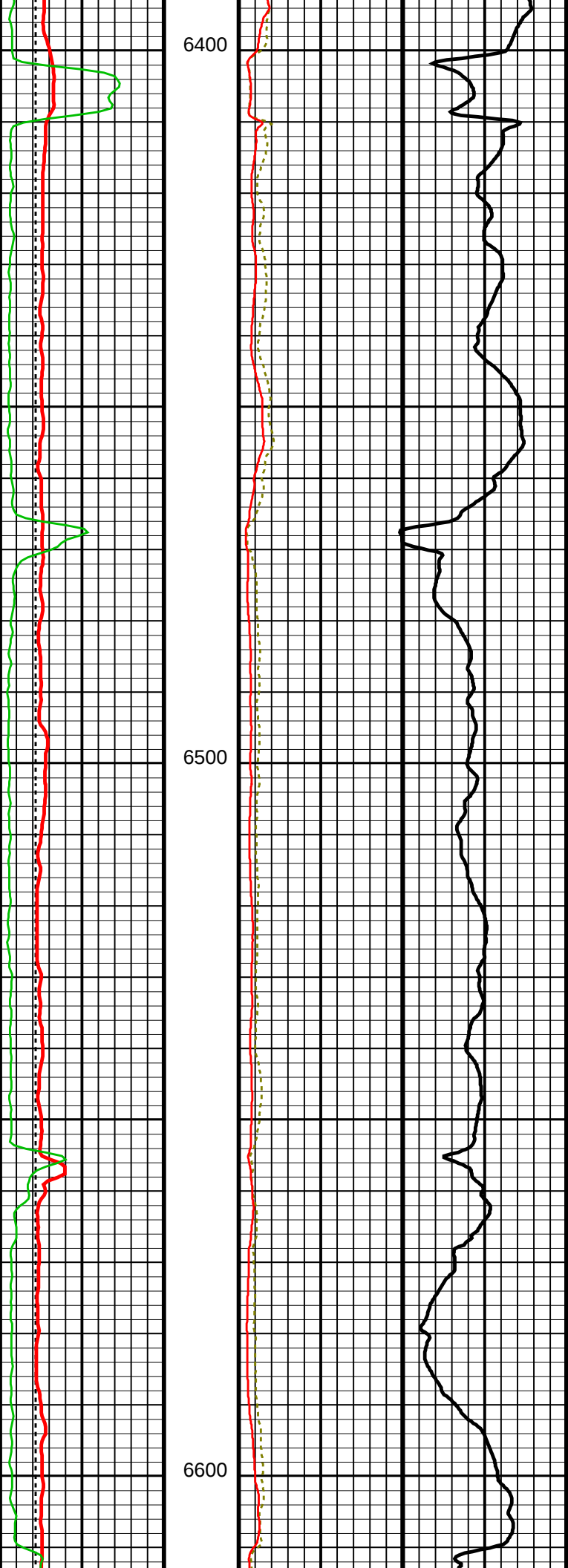


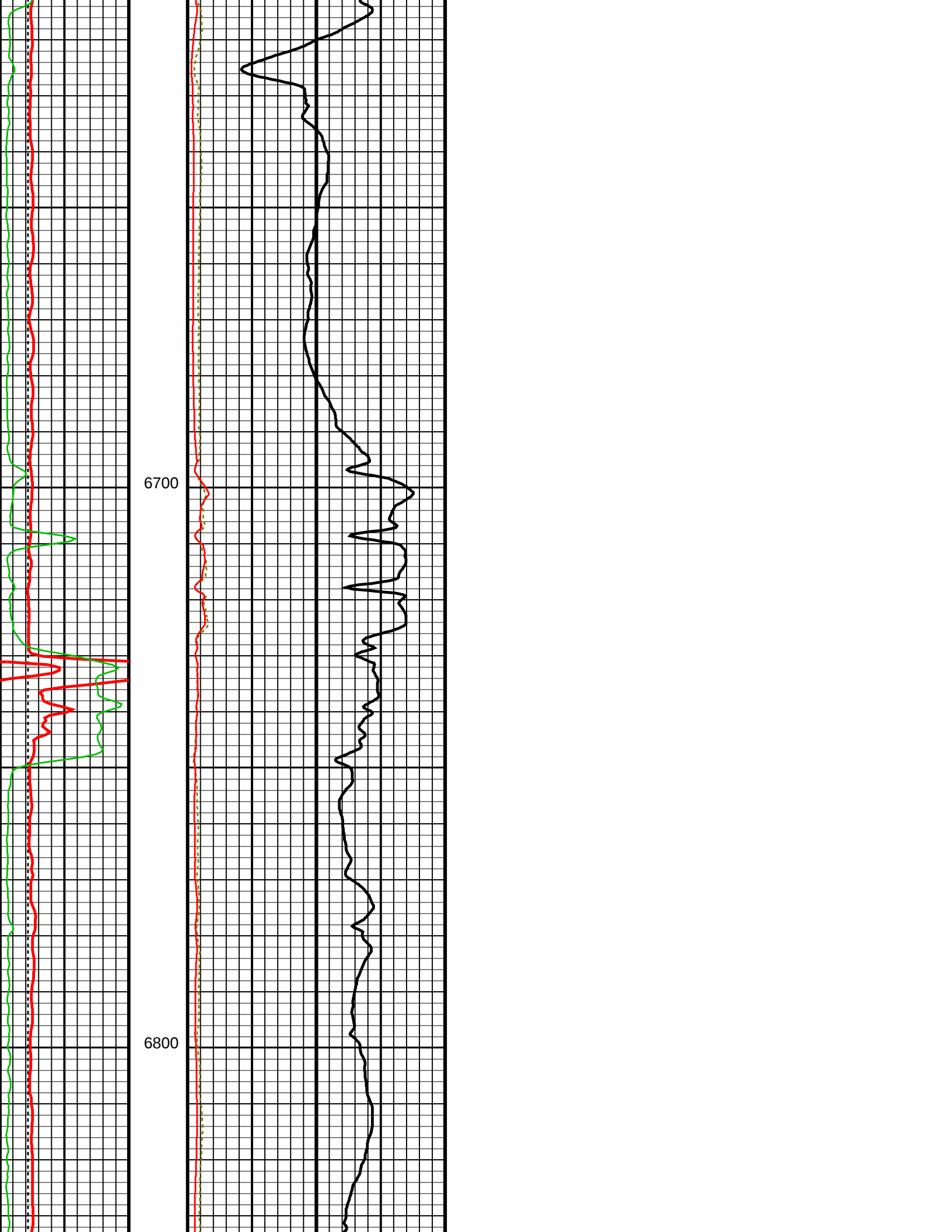


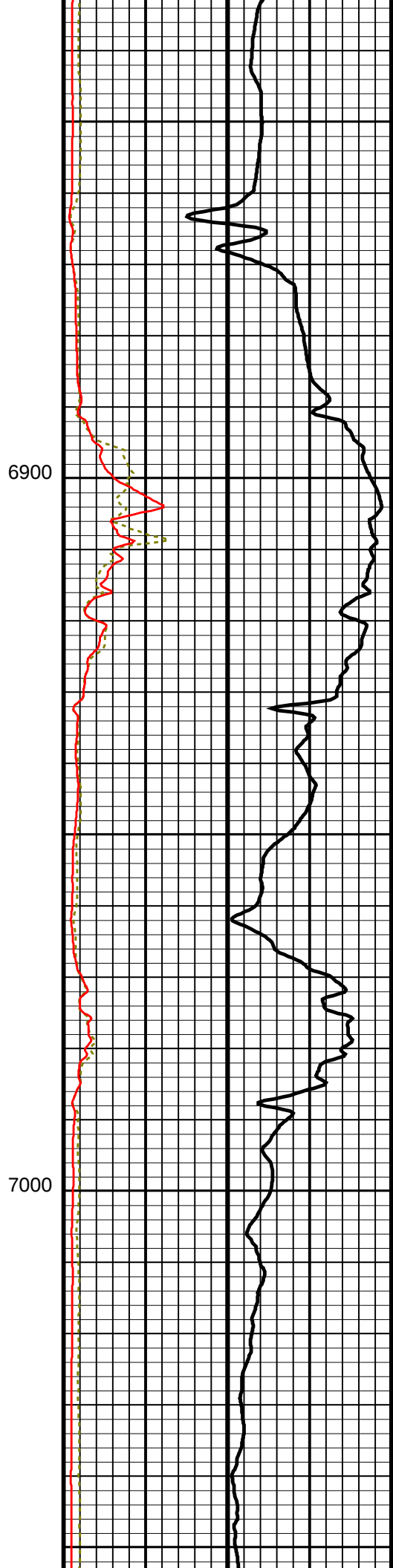
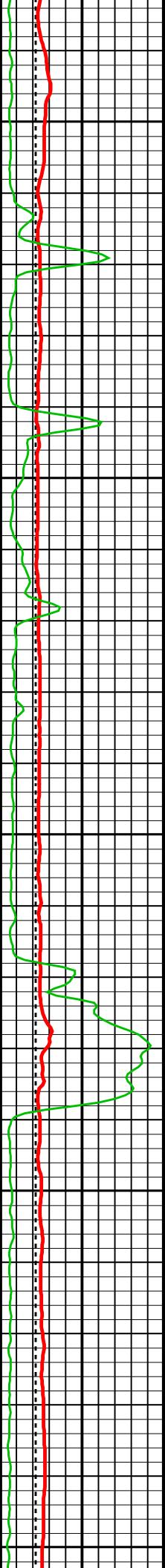
6200

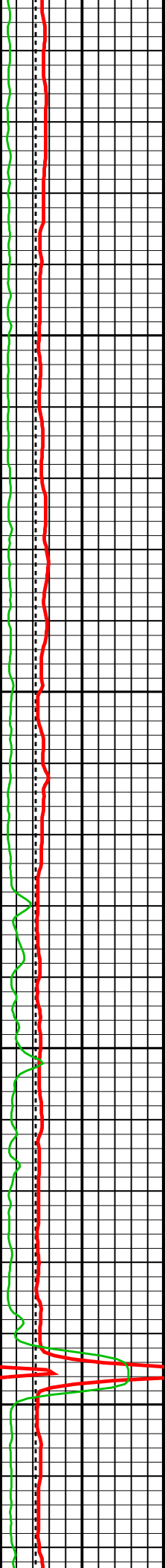
6300

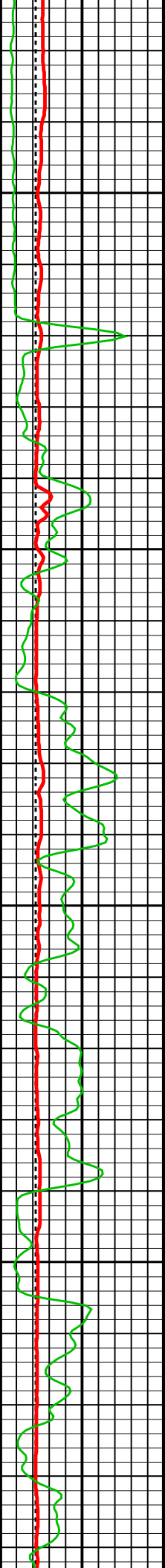






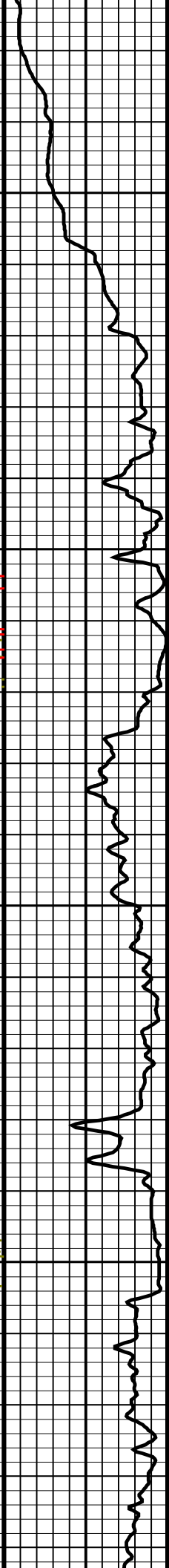
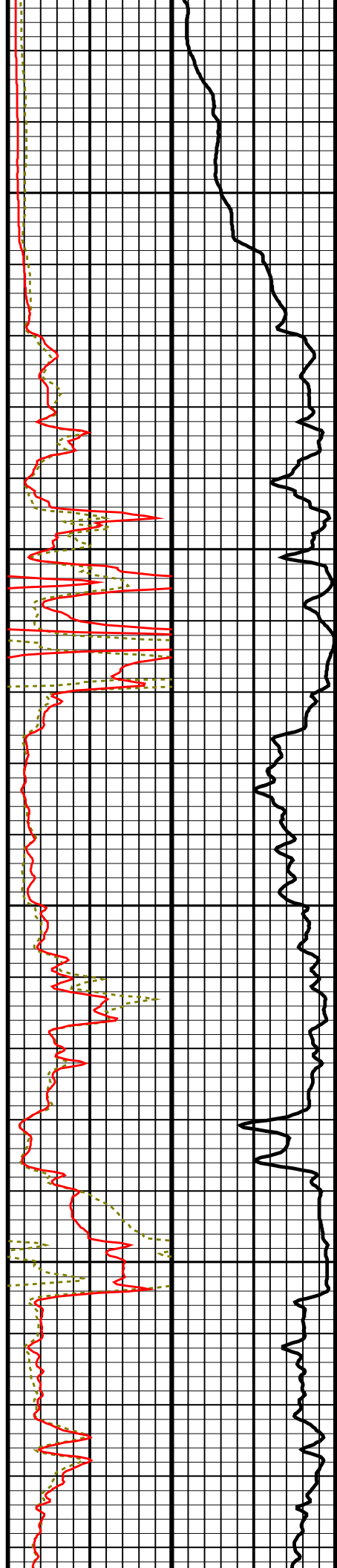


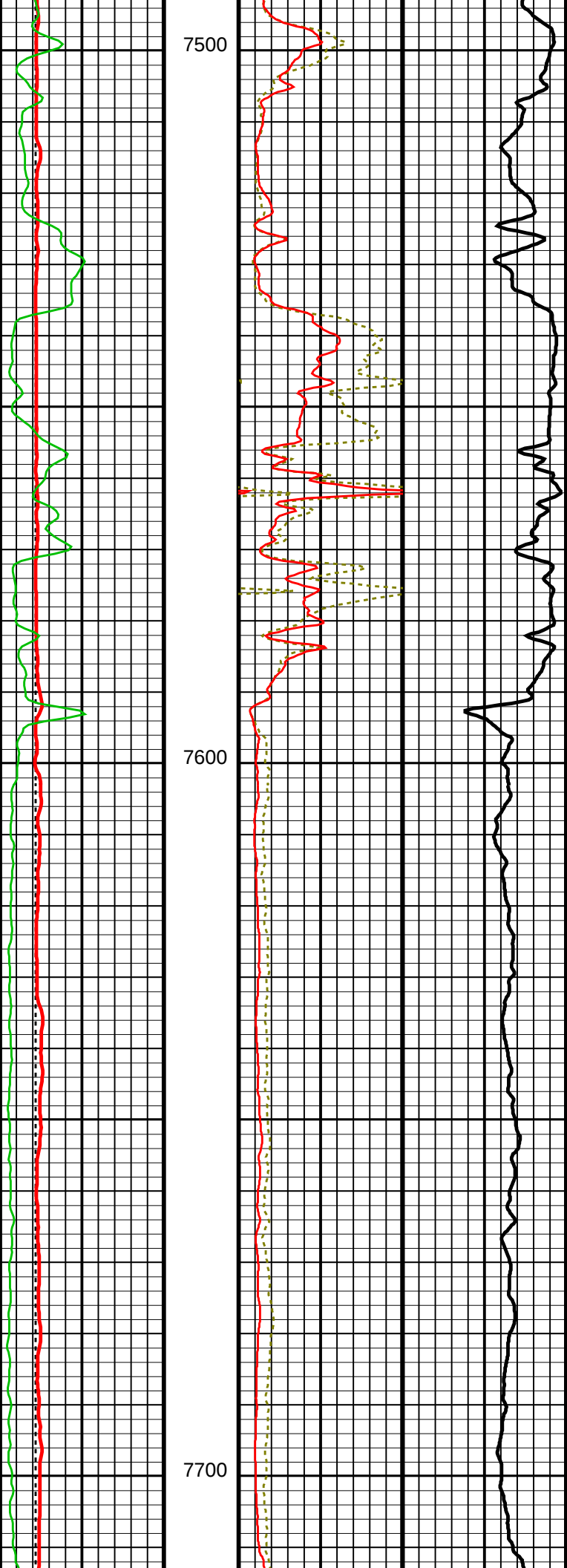


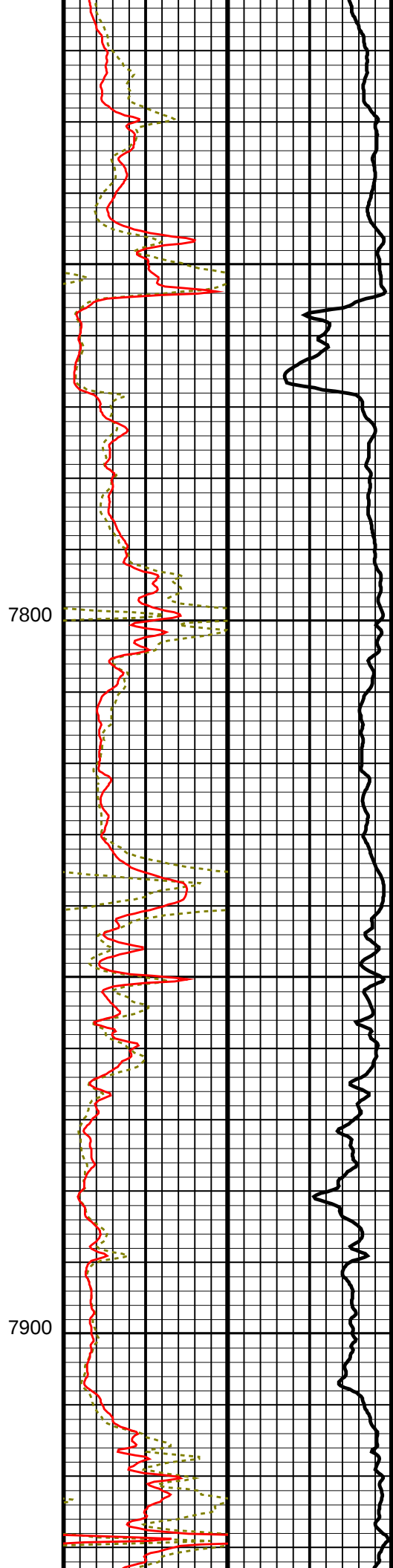
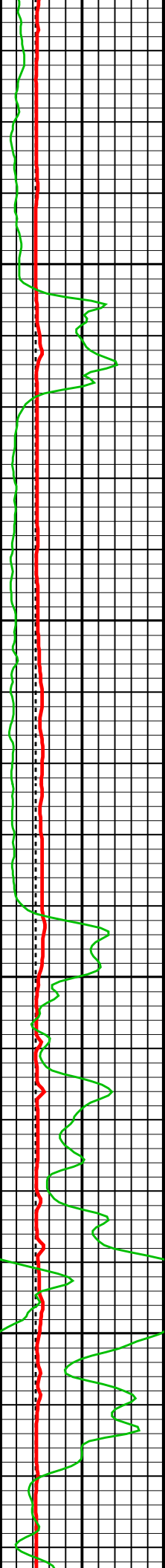


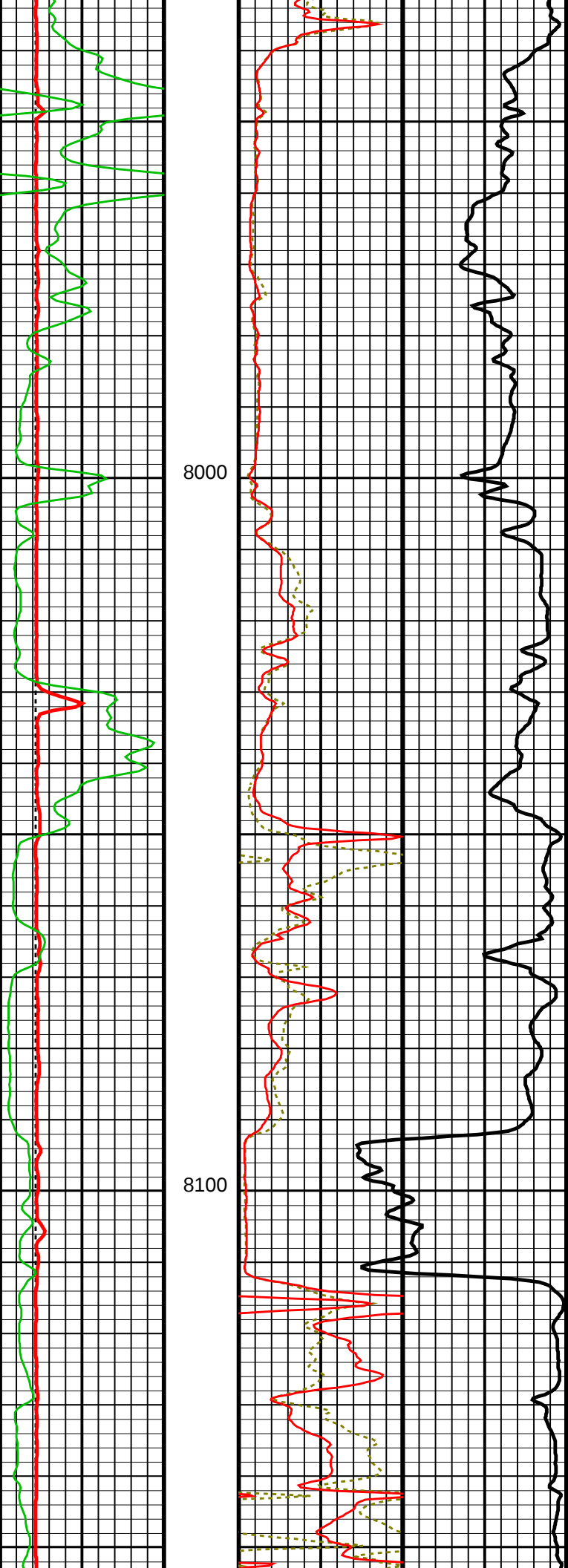
7300

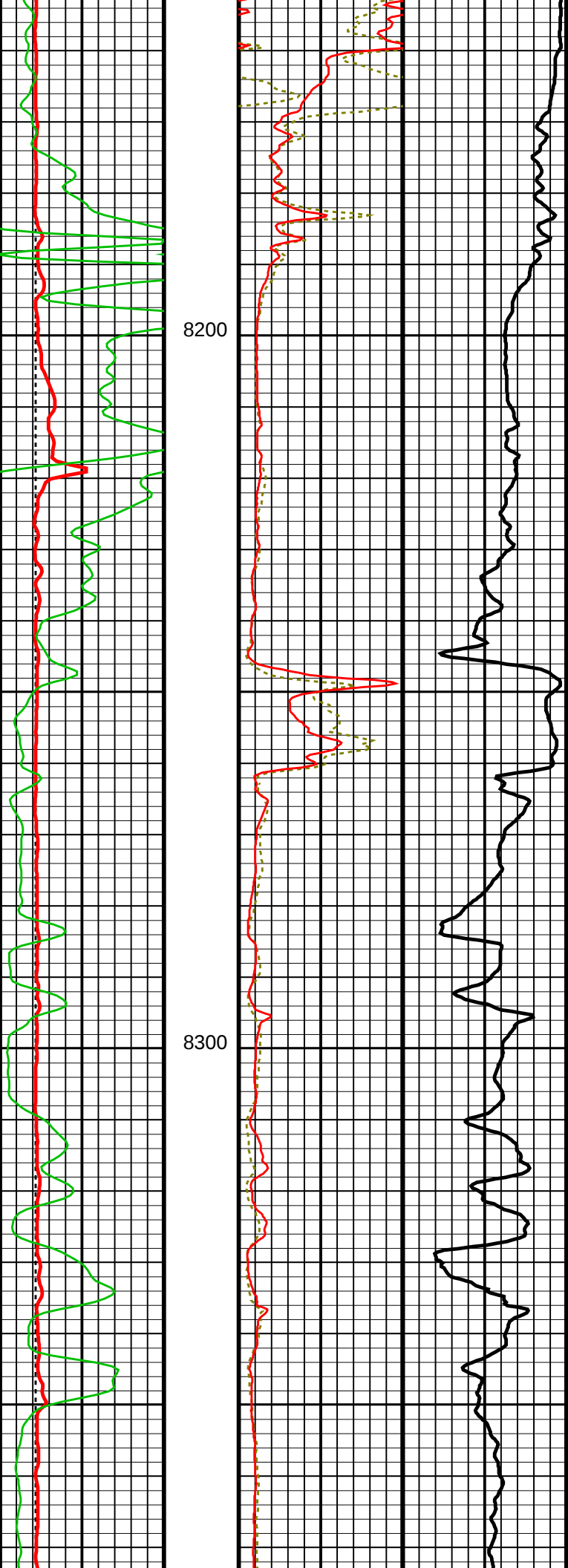
7400

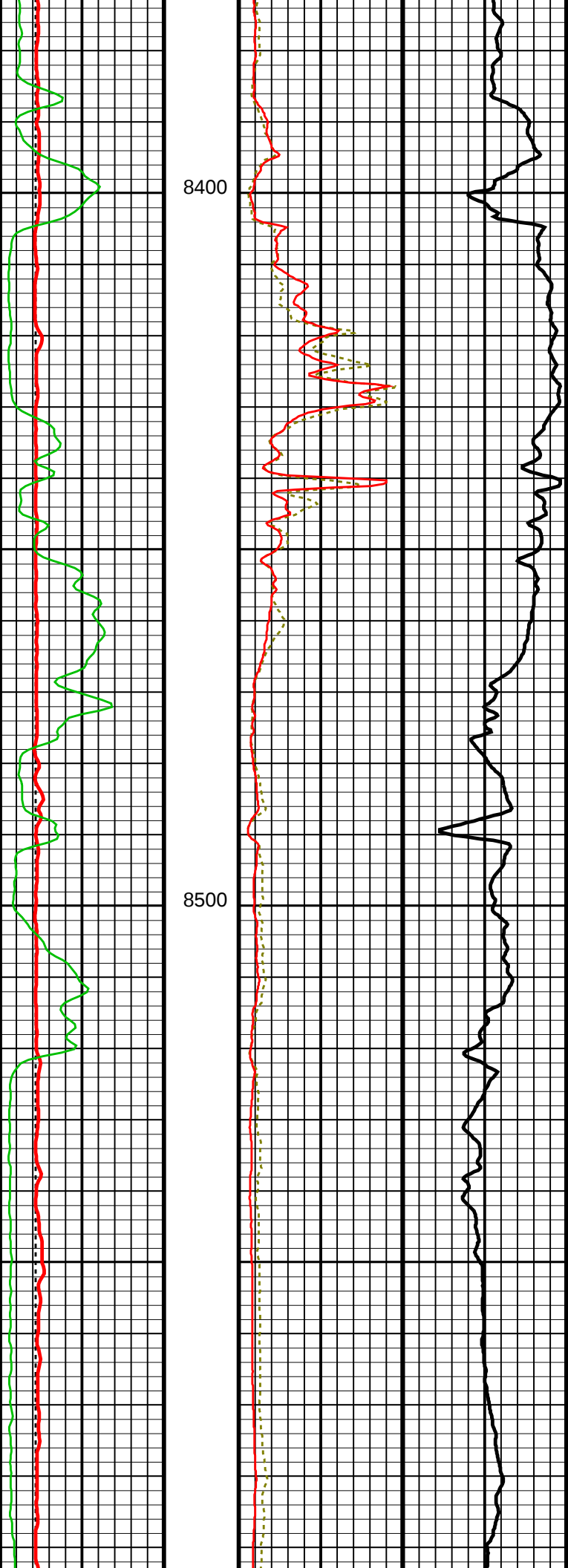


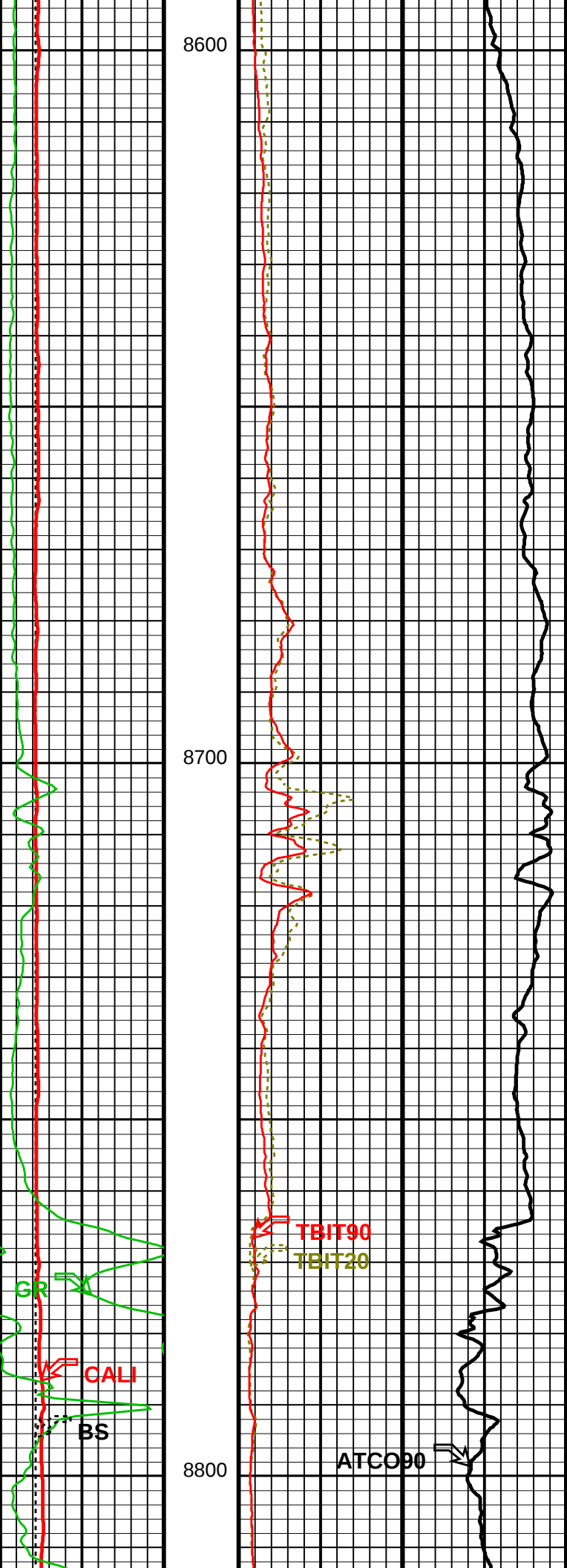


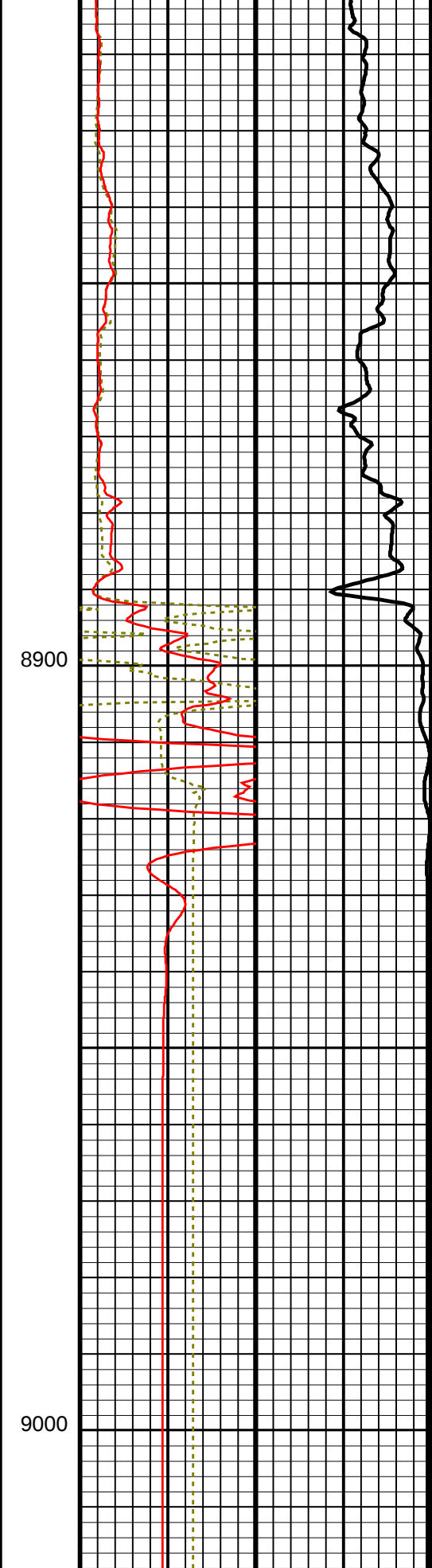
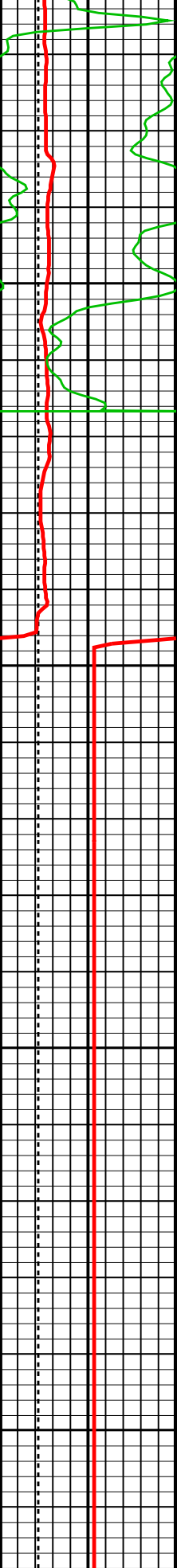












Bit Size (BS)
(IN) 4 14

AIT 90 Inch Investigation
Conductivity (ATCO90)
1000 (MS/M) 0

TBI 20 Inch

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: 02-Aug-2014 05:56			
OP System Version: 19C2-270			
TBT	SRPC-5298-ThruBit_b		
Input DLIS Files			
ThruBit_005PUP	FN:4	02-Aug-2014 05:45 9018.0 FT	2475.5 FT