

SANDRIDGE ENERGY

RANDY 3508 2-3H 1L

BOUSE

HARPER

State: **KANSAS**

SPECTRAL DENSITY DUAL SPACED NEUTRON MEMORY LOG

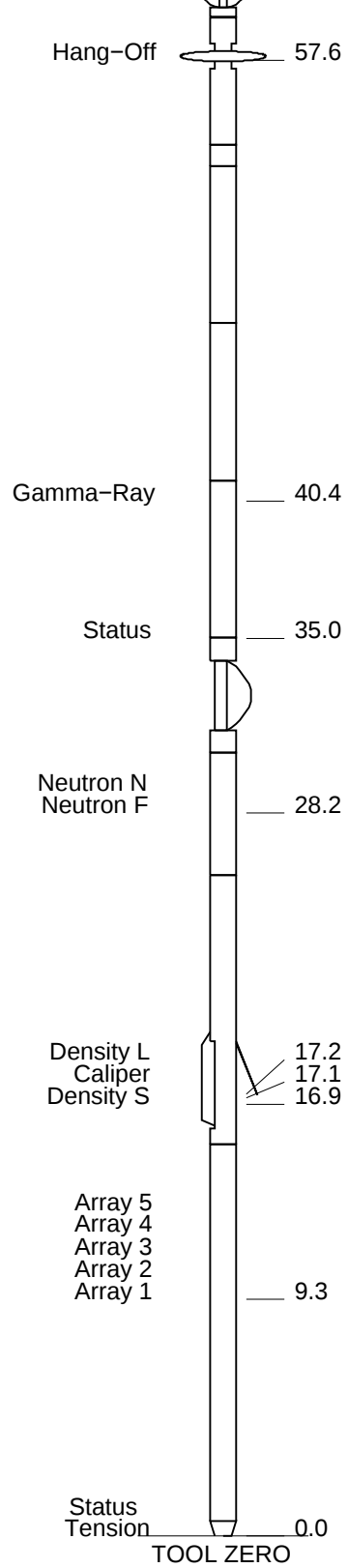
County:	HARPER			
Field:	BOUSE			
Location:	235' FSL & 1300' FWL			
Well:	RANDY 3508 2-3			
Company:	SANDRIDGE ENERGY			
API Serial No. 15077220850200	Section 3	Township 35S	Range 8W	LOCATION
				235' FSL & 1300' FWL
				Permanent Datum: _____ Log Measured From: _____ Drilling Measured From: _____
		GROUND LEVEL _____ K.B. _____ K.B. _____		Elev.: _____ 22.00 ft above Perm. Datum
		K.B. 1283.00 ft G.L. 1261.00 ft D.F. 1283.00 ft		

[illegible]

Logging Date	17-Sep-2014				
Run Number	1				
Depth Driller	9872 ft				
Schlumberger Depth	9771 ft				
Bottom Log Interval	9750 ft				
Top Log Interval	3000 ft				
Casing Driller Size @ Depth	7.000 in @ 5334 ft			@	
Casing Schlumberger	5322 ft				
Bit Size	6.125 in				
Type Fluid In Hole	WBM				
Density	Viscosity	8.5 lbm/gal		32 s	
Fluid Loss	PH	60 cm3		9	
Source Of Sample	MUD SENSOR				
RM @ Measured Temperature	2.690 ohm.m		@	65 degF	@
RMF @ Measured Temperature	2.290 ohm.m		@	65 degF	@
RMC @ Measured Temperature	3.090 ohm.m		@	65 degF	@
Source RMF	RMC	CALCULATED	CALCULATED		
RM @ MRT	RMF @ MRT	1.315 @ 140	1.120 @ 140	@	@
Maximum Recorded Temperatures	140 degF				
Circulation Stopped	Time	16-Sep-2014		23:42	
Logger On Bottom	Time	17-Sep-2014		0:22	
Unit Number	Location	5 OKC			
Recorded By	C.PARKER				
Witnessed By	J.BIAA				

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				
MUD					
Source Of Sample					
RM @ Measured Temperature					
RMF @ Measured Temperature					
RMC @ Measured Temperature					
Source RMF	RMC				
RM @ MRT	RMF @ MRT	@		@	
Maximum Recorded Temperatures					
Circulation Stopped					
Logger On Bottom		Time			
Unit Number		Time			
Recorded By		Location			
Witnessed By					

TMG-A 24
TILE-A
TBN-A 6
NNLS-EWA 4484
TBD-A 46
GGLS-FZ 3216
TBI-A 19



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: RANDY 3508 2-3H 1L

Input DLIS Files				
ThruBit_003PUP	FN:2	17-Sep-2014 06:46	9765.0 FT	2970.0 FT

OP System Version: 19C2-270	
TBT	SRPC-5303-ThruBit

Relative Bearing (RB)		
0	(DEG)	940

gr wrap4
From LHT1 to GR4

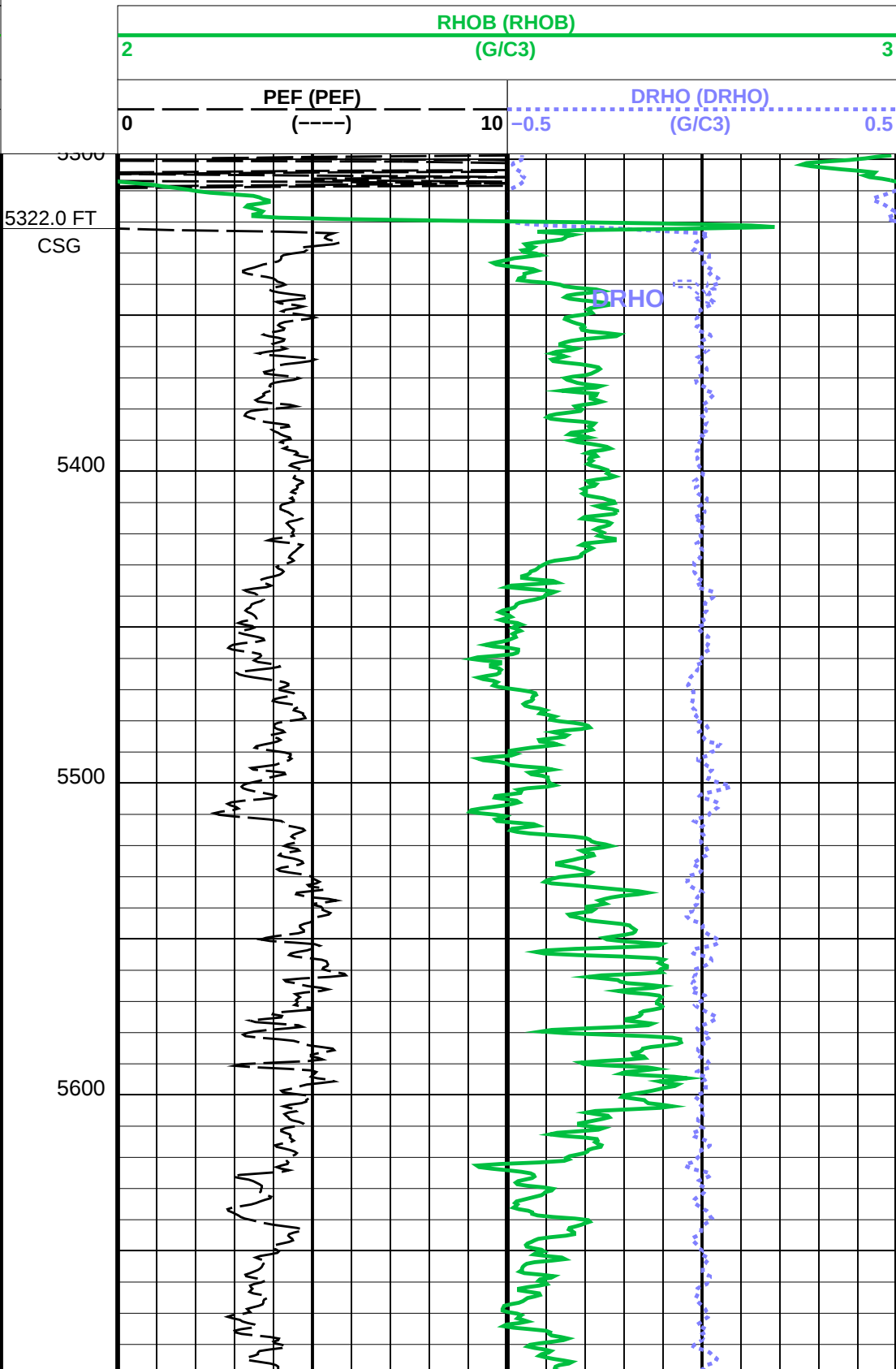
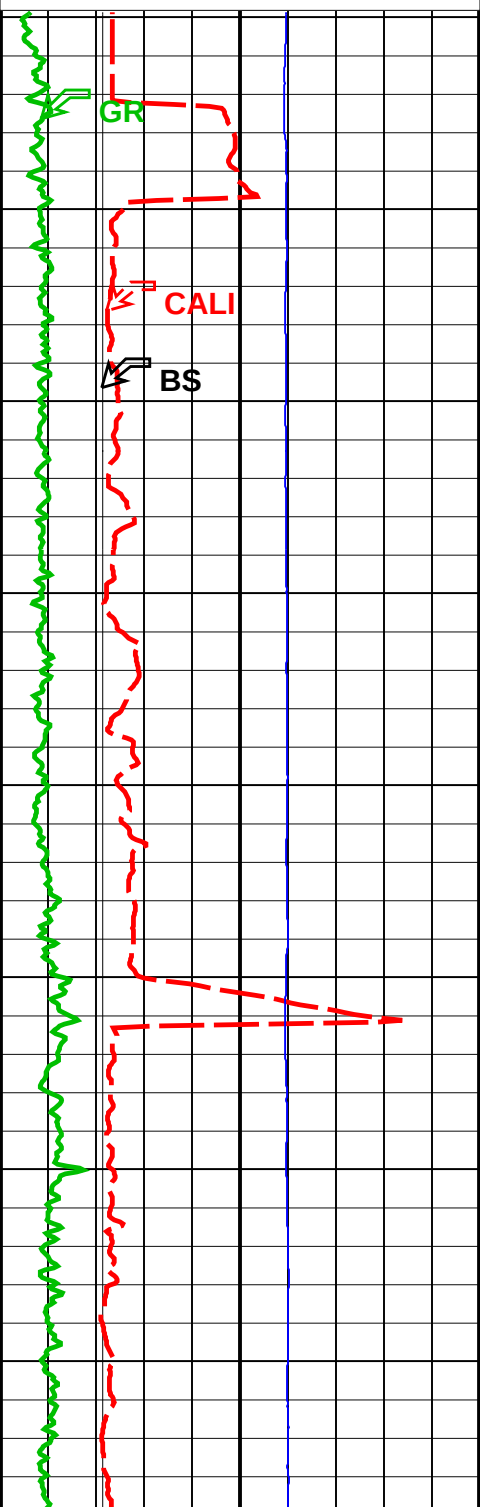
gr wrap3
From LHT1 to GR3

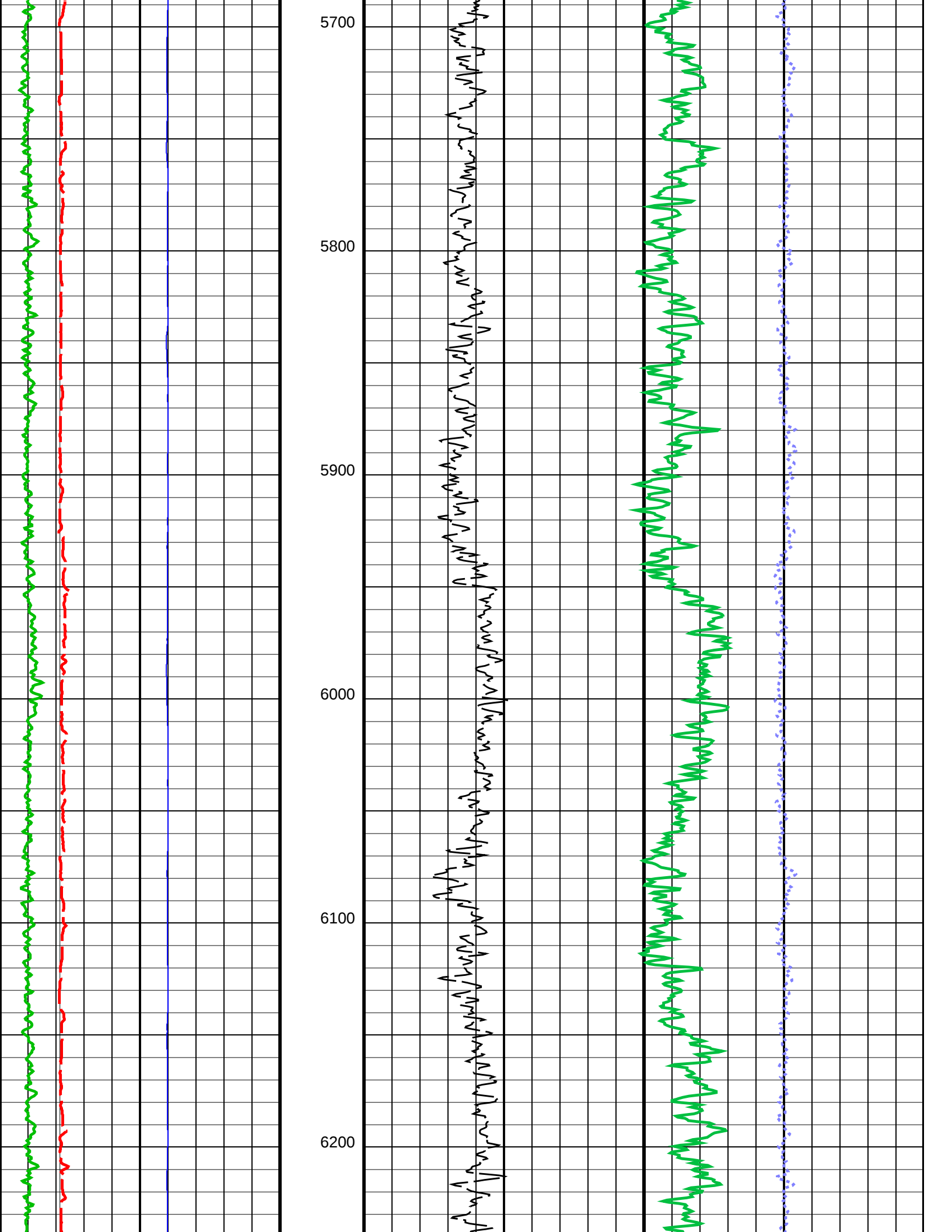
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From LHT1 to GR2

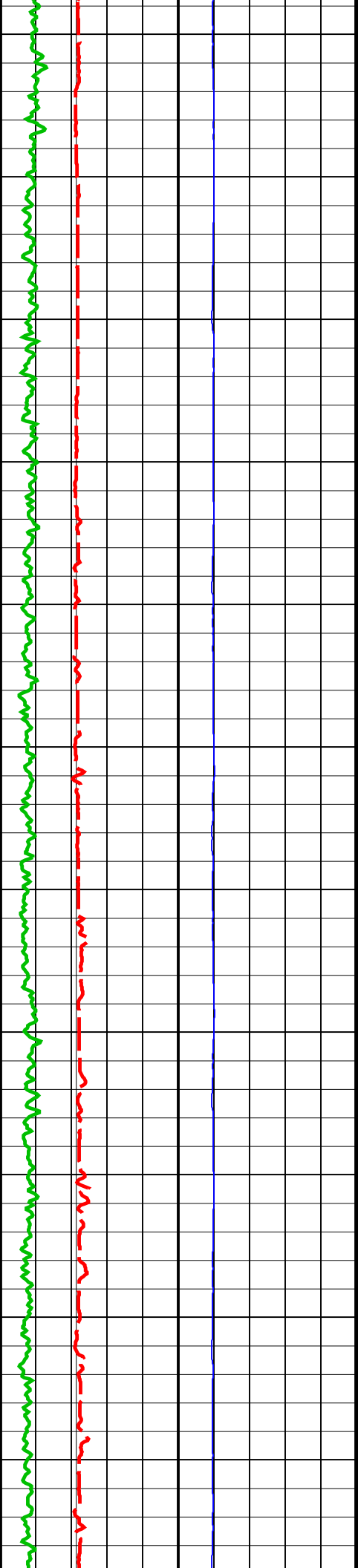
gr wrap1
From LHT1 to GR1

Gamma Ray (GR)

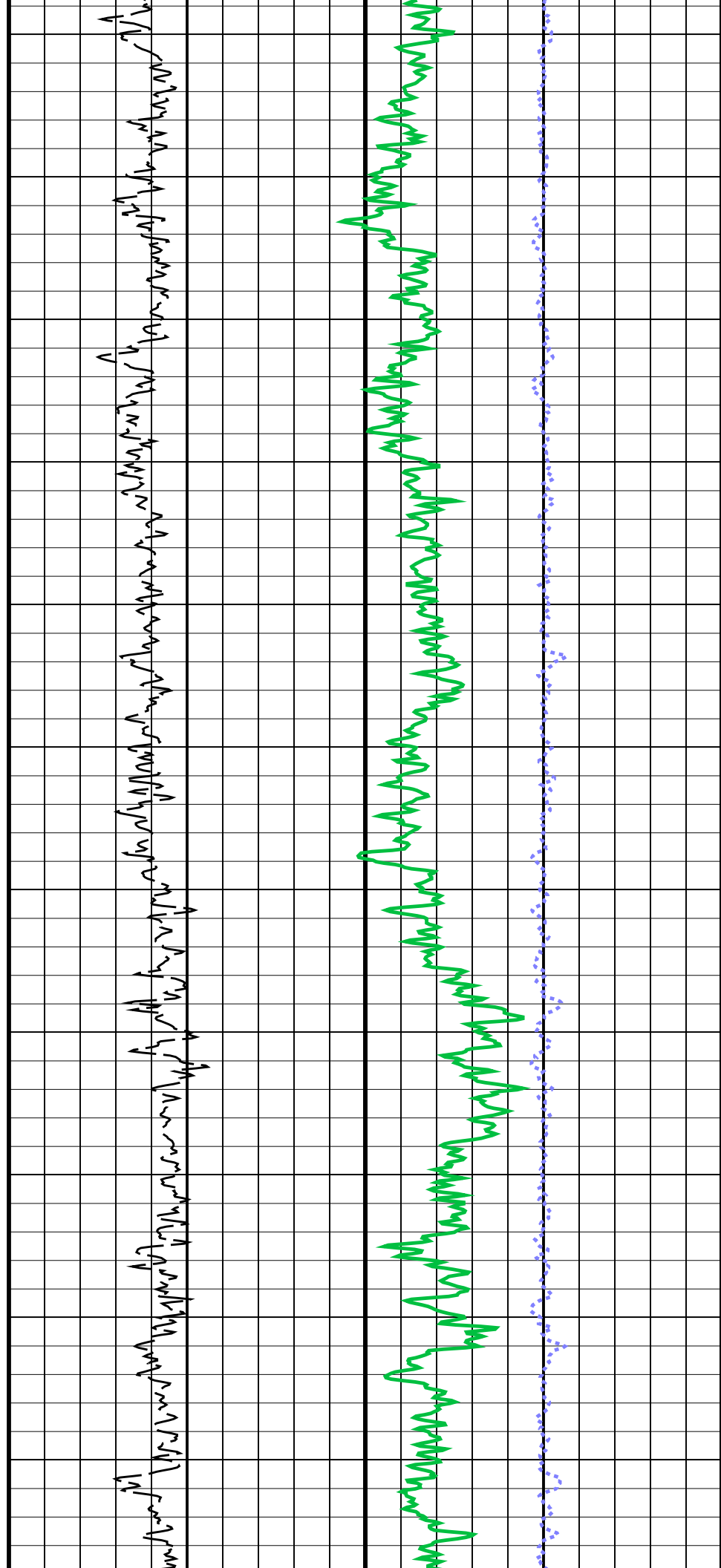
Gamma Ray (GR)		
0	(GAPI)	150
Caliper (CALI)		
4	(IN)	14
Gamma Ray 4 (GR)		
600	(GAPI)	750
Gamma Ray 3 (GR)		
450	(GAPI)	600
Gamma Ray 2 (GR)		
300	(GAPI)	450
Gamma Ray 1 (GR)		
150	(GAPI)	300
Bit Size (BS)		
4	(IN)	14

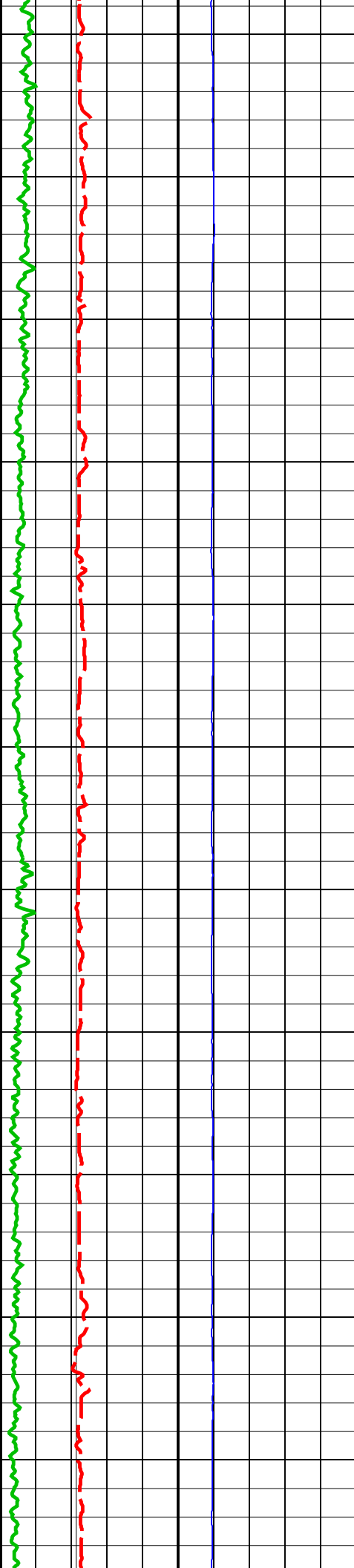




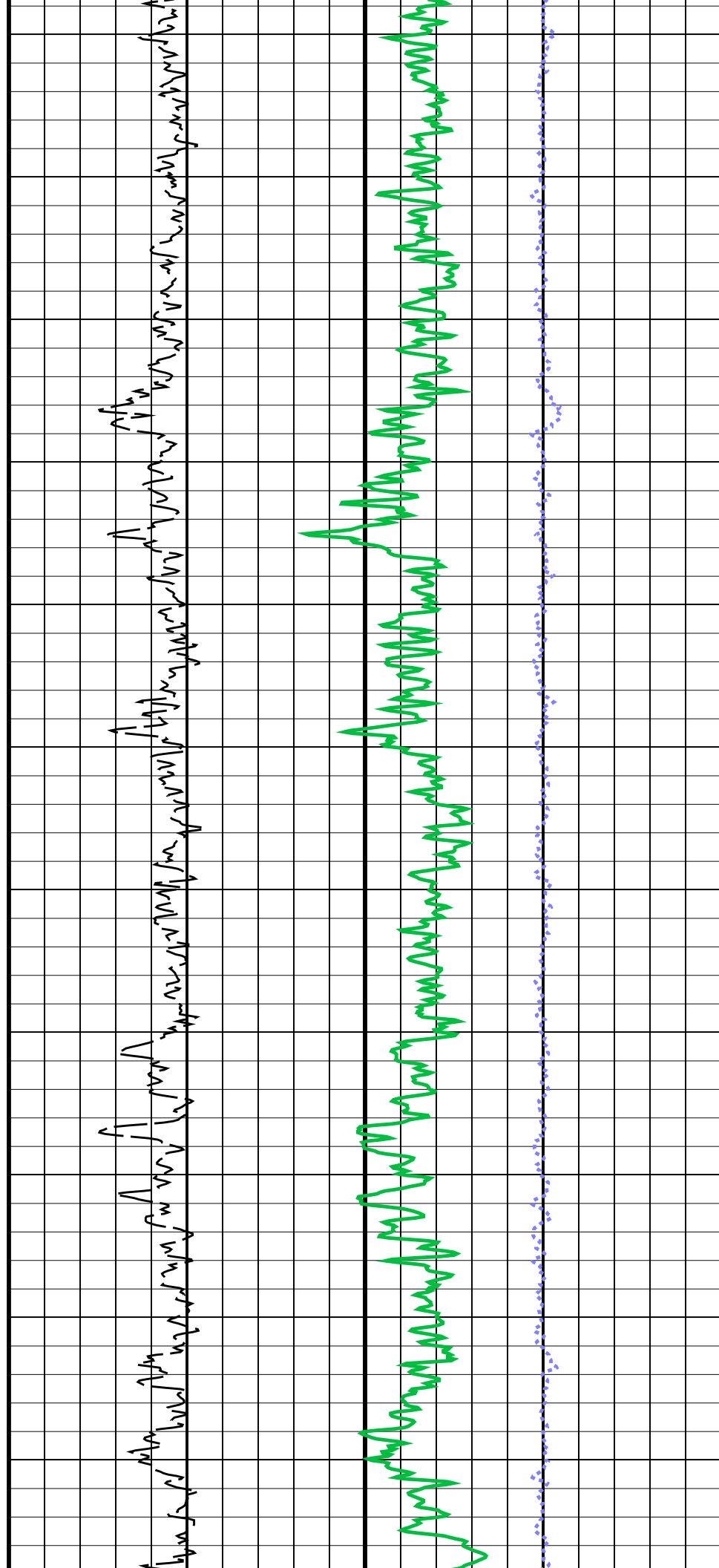


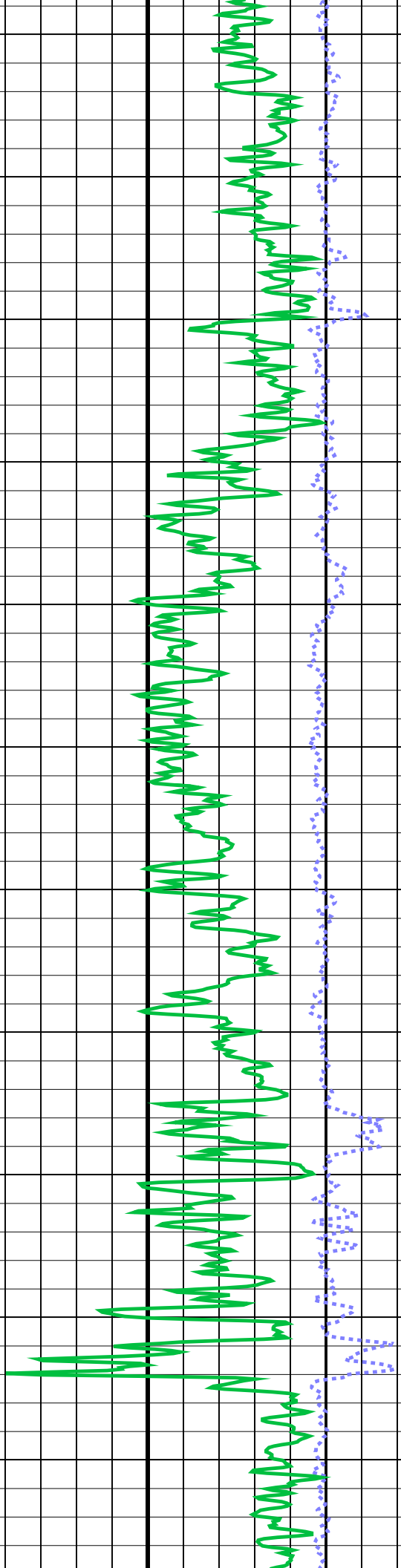
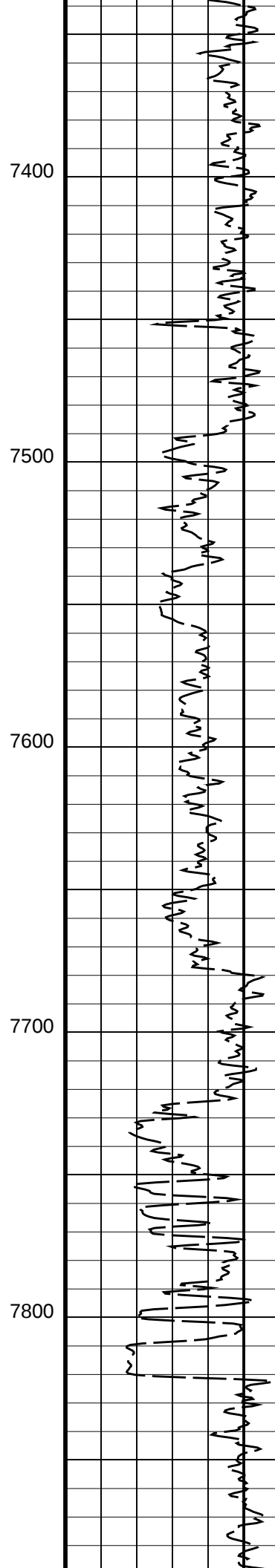
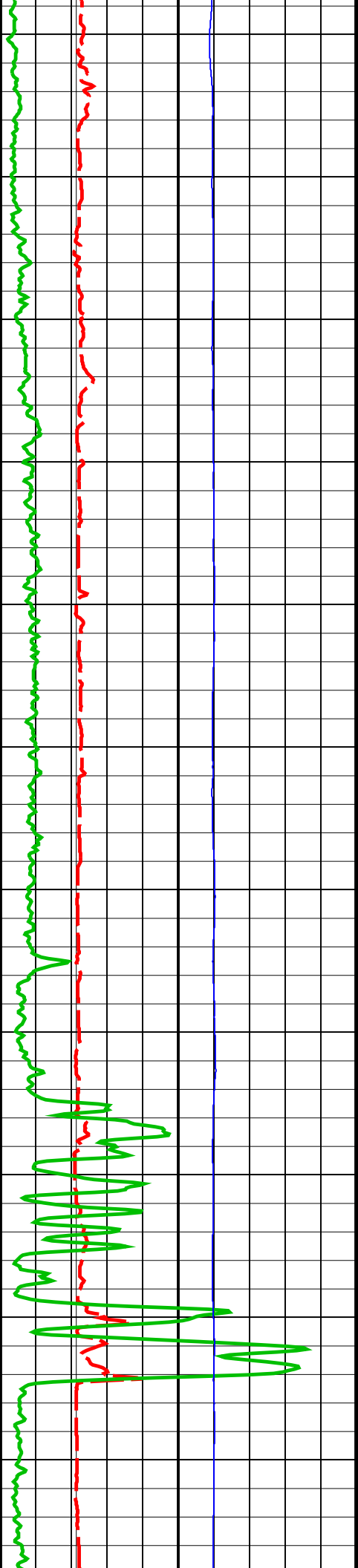
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6500
6600
6700

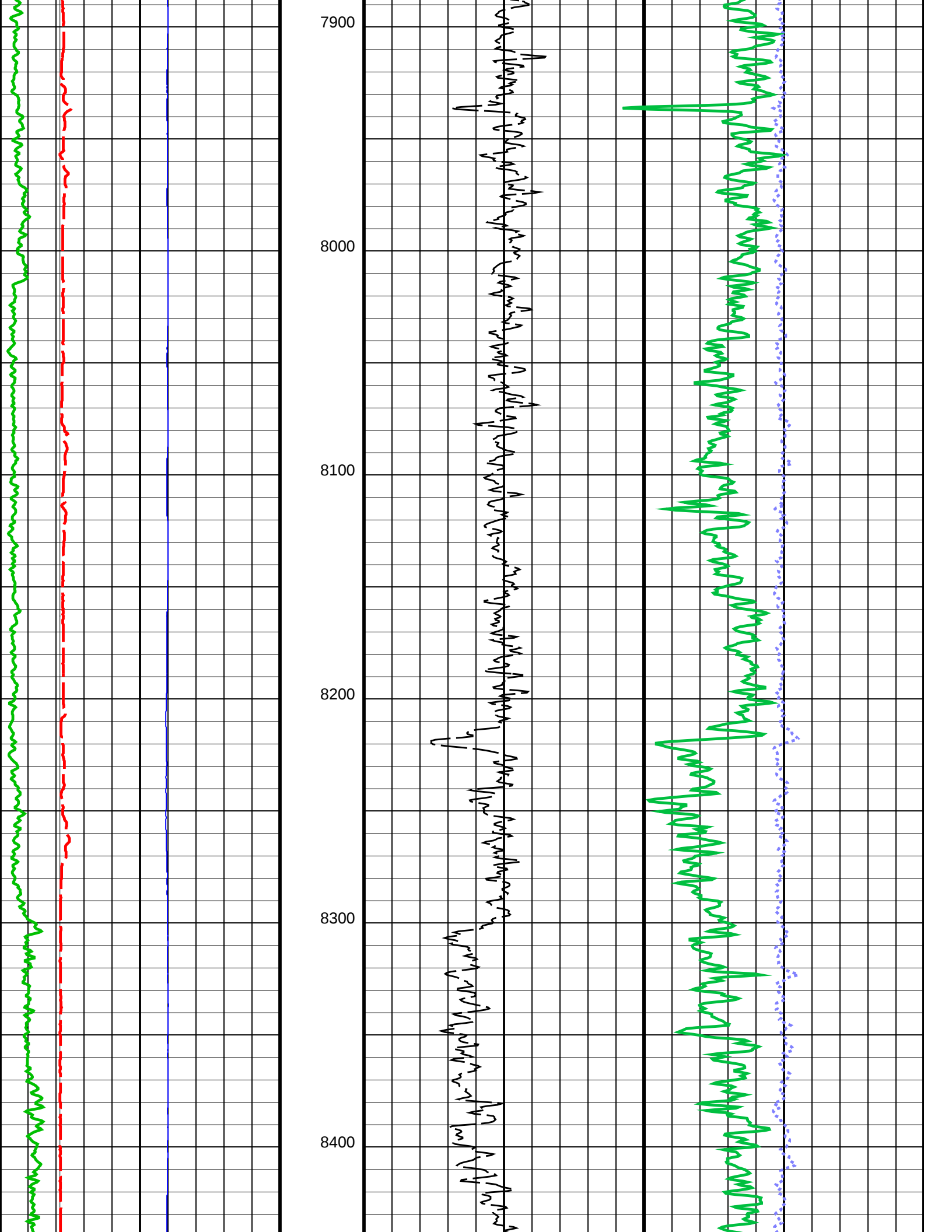


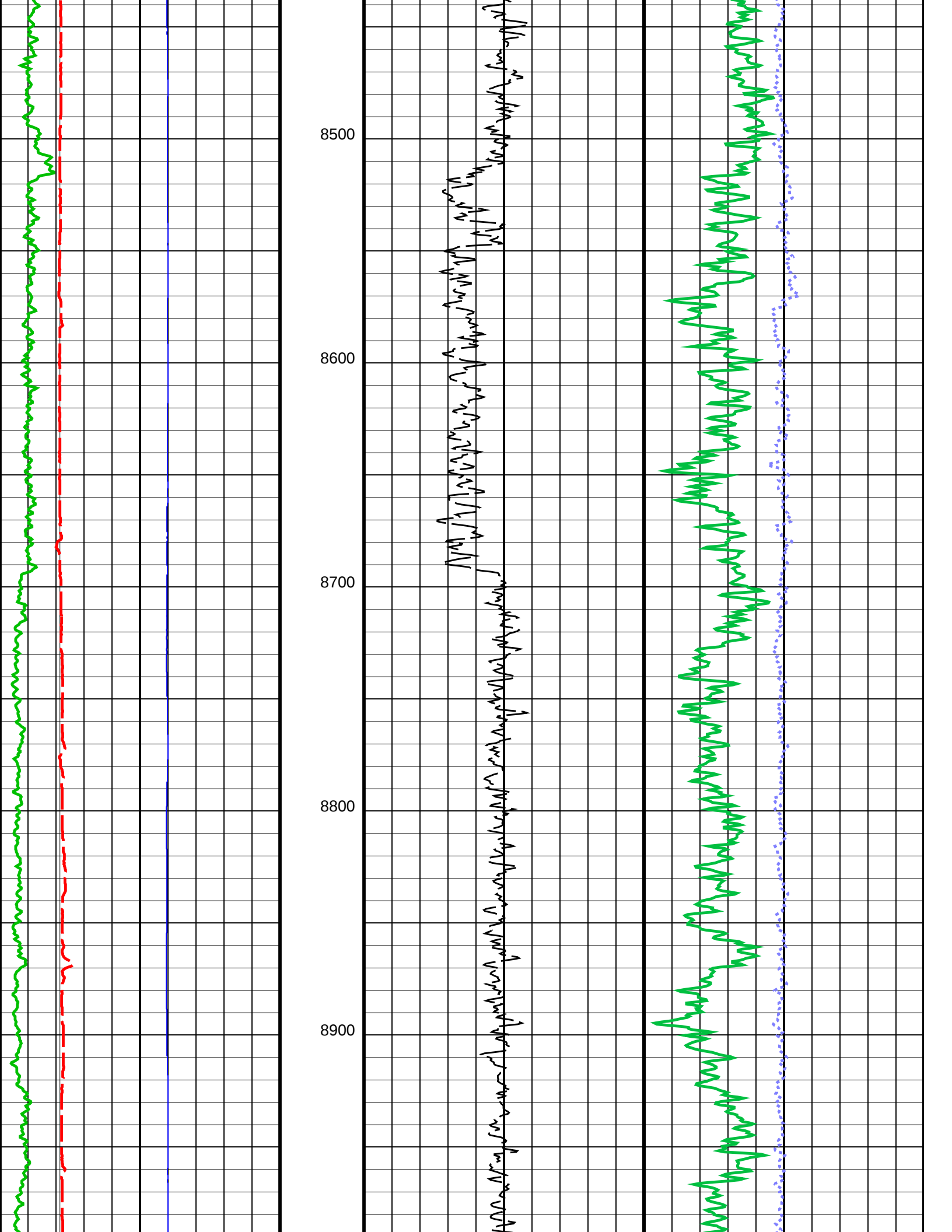


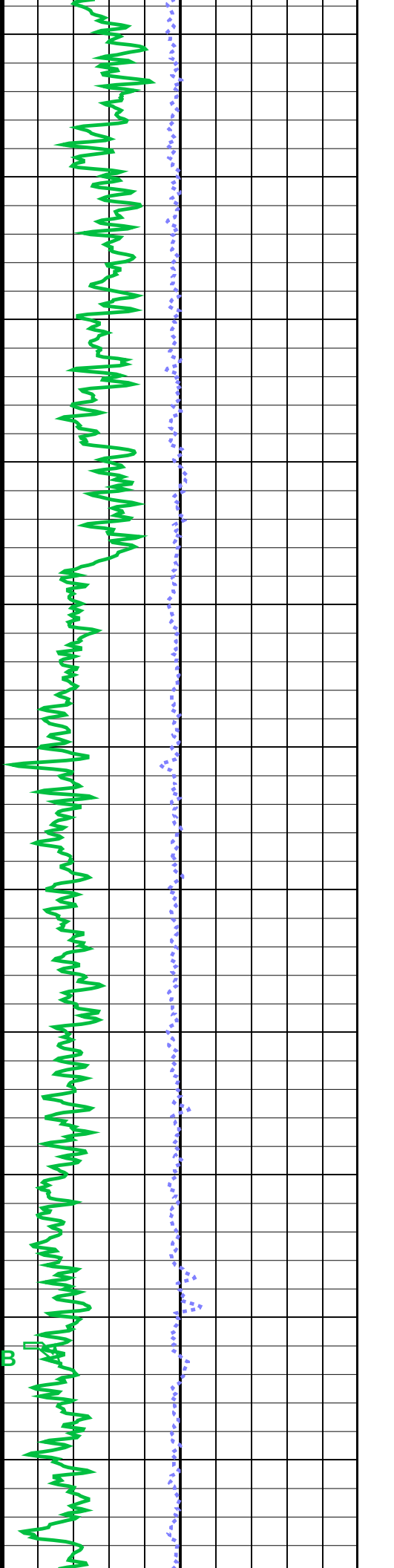
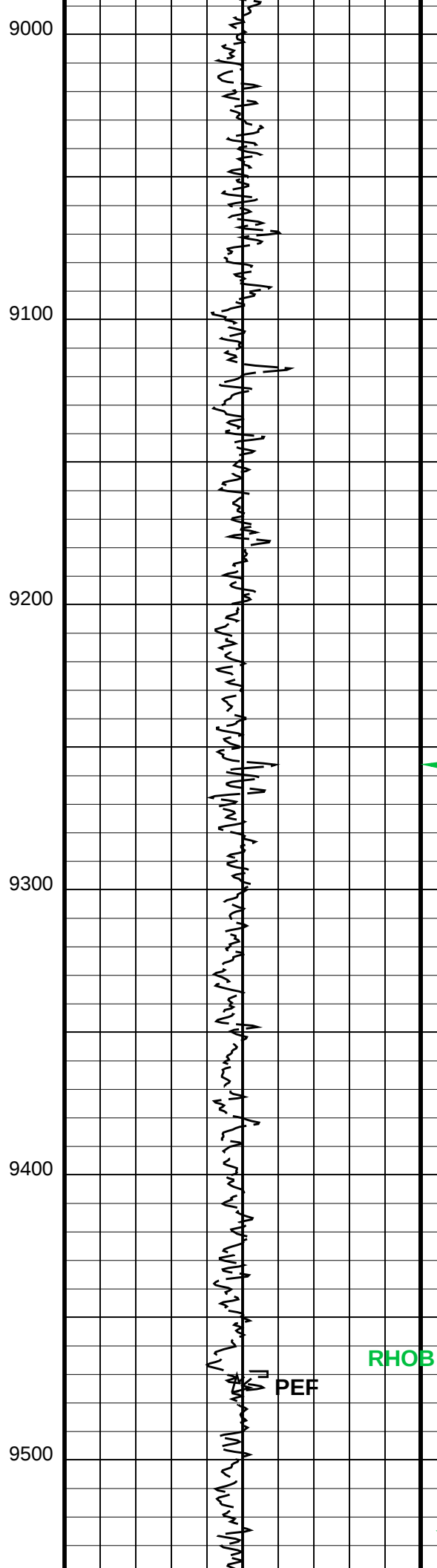
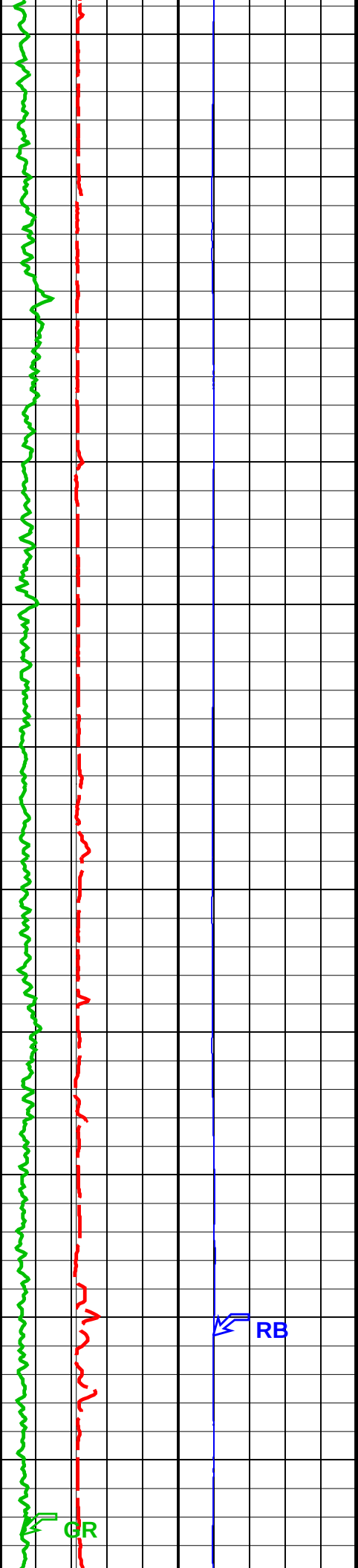
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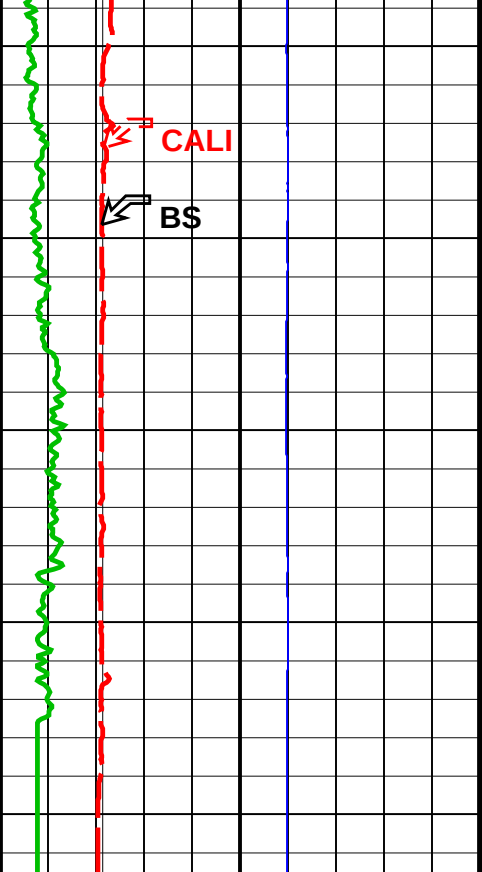












Bit Size (BS)
(IN) 4 14

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

Gamma Ray (GR)
(GAPI) 0 150

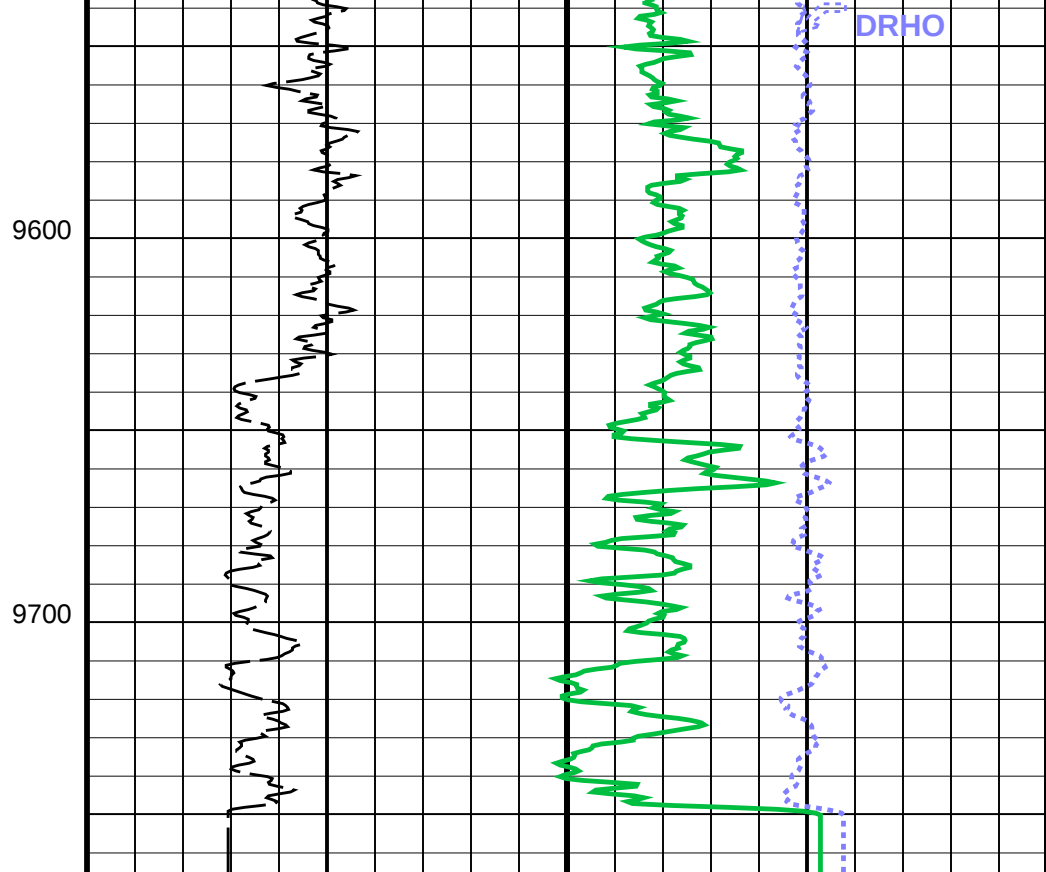
gr wrap1
From LHT1 to GR1

gr wrap2
From LHT1 to GR2

gr wrap3
From LHT1 to GR3

gr wrap4
From LHT1 to GR4

Relative Bearing
(RB)
0 (DEG) 940



PEF (PEF)
(----) 0 10

DRHO (DRHO)
(G/C3) -0.5 0.5

RHOB (RHOB)
(G/C3) 2 3

Parameters		
DLIS Name	Description	Value

DLIS Name	Description	Value
TBT-A: ThruBit String		
DHC	Density Hole Correction	CALIPER
RB_OFFSET	Additional RB offset (degrees)	0.000 deg
TBD_CAL_BLOCK	TBD Calibration Block Type	THRUBIT
TBD_SPIKE_REJECT	TBD Spike Detection Option	CORRECT
TBD_SPIKE_THRESHOLD	TBD Attenuation Change Threshold for Spike Detection	5.000 %
WMUD	Mud Weight	8.500 lbm/gal
System and Miscellaneous		
BS	Bit Size	6.125 in

Format: TB_2INCH_NUCLEAR

Vertical Scale: 2" per 100'

Graphics File Created: 17-Sep-2014 06:54

OP System Version: 19C2-270				
TBT	SRPC-5303-ThruBit			
Input DLIS Files				
ThruBit_003PUP	FN:2	17-Sep-2014 06:46	9765.0 FT	2970.0 FT



MAIN PASS

MAXIS Field Log

Company: SANDRIDGE ENERGY

Well: RANDY 3508 2-3H 1L

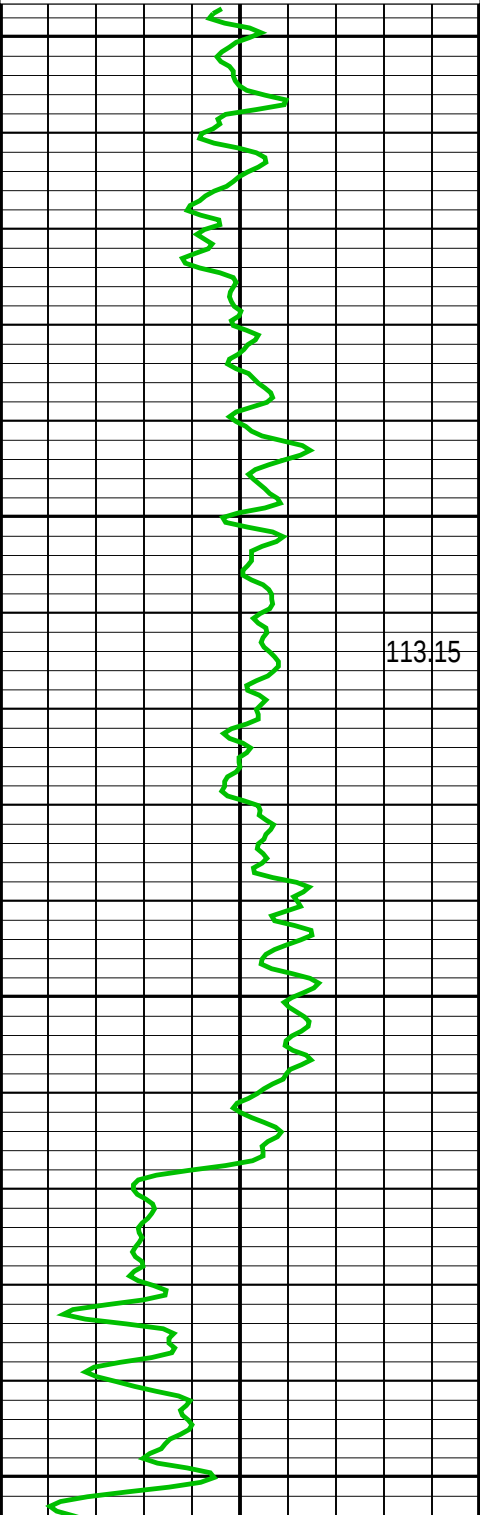
Input DLIS Files				
ThruBit_003PUP	FN:2	17-Sep-2014 06:46	9765.0 FT	2970.0 FT

OP System Version: 19C2-270				
TBT	SRPC-5303-ThruBit			

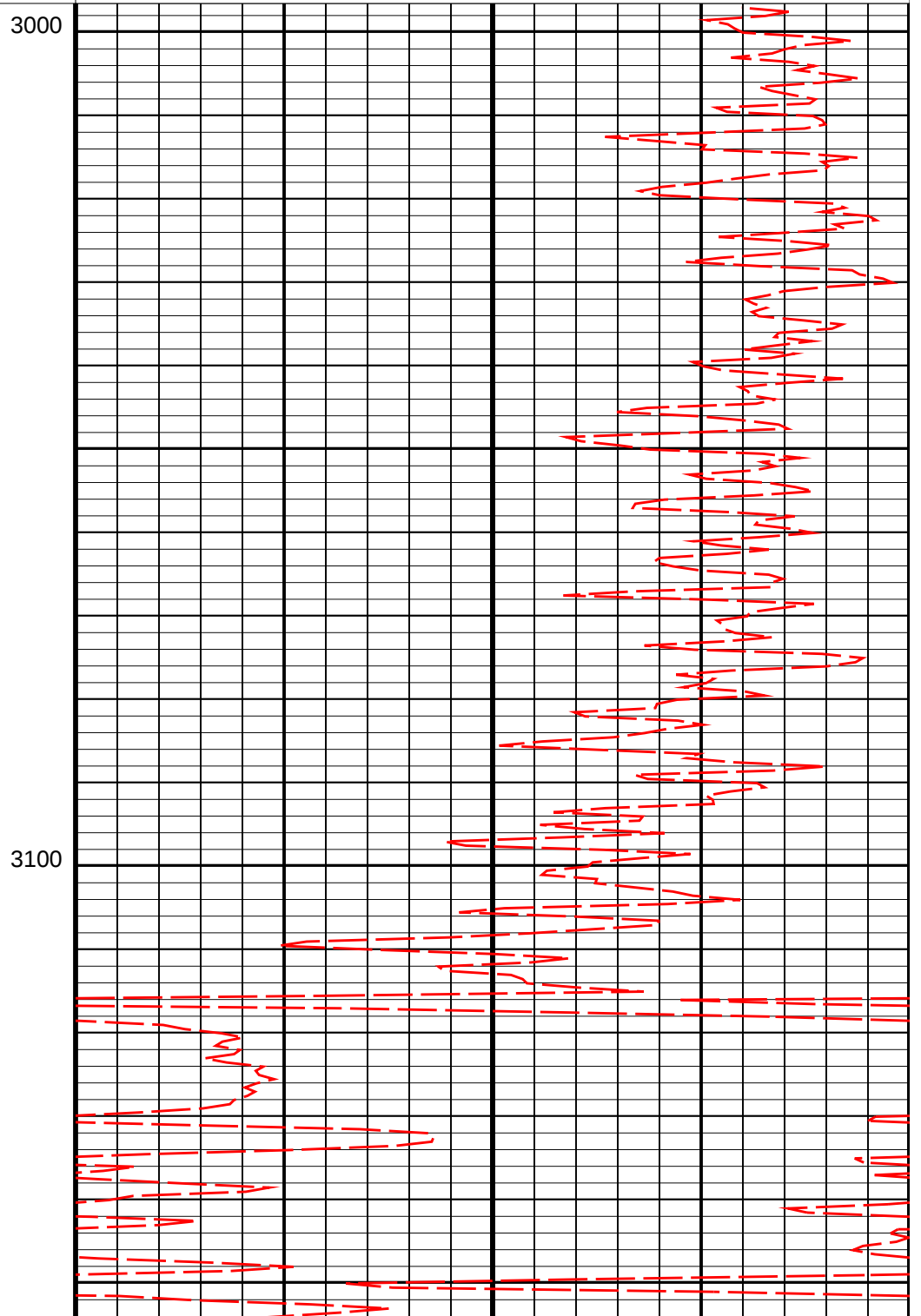
PIP SUMMARY └ Integrated Cement Volume Major Pip Every 100 F3 └ Integrated Cement Volume Minor Pip Every 10 F3 └ Integrated Hole Volume Major Pip Every 100 F3 └ Integrated Hole Volume Minor Pip Every 10 F3				
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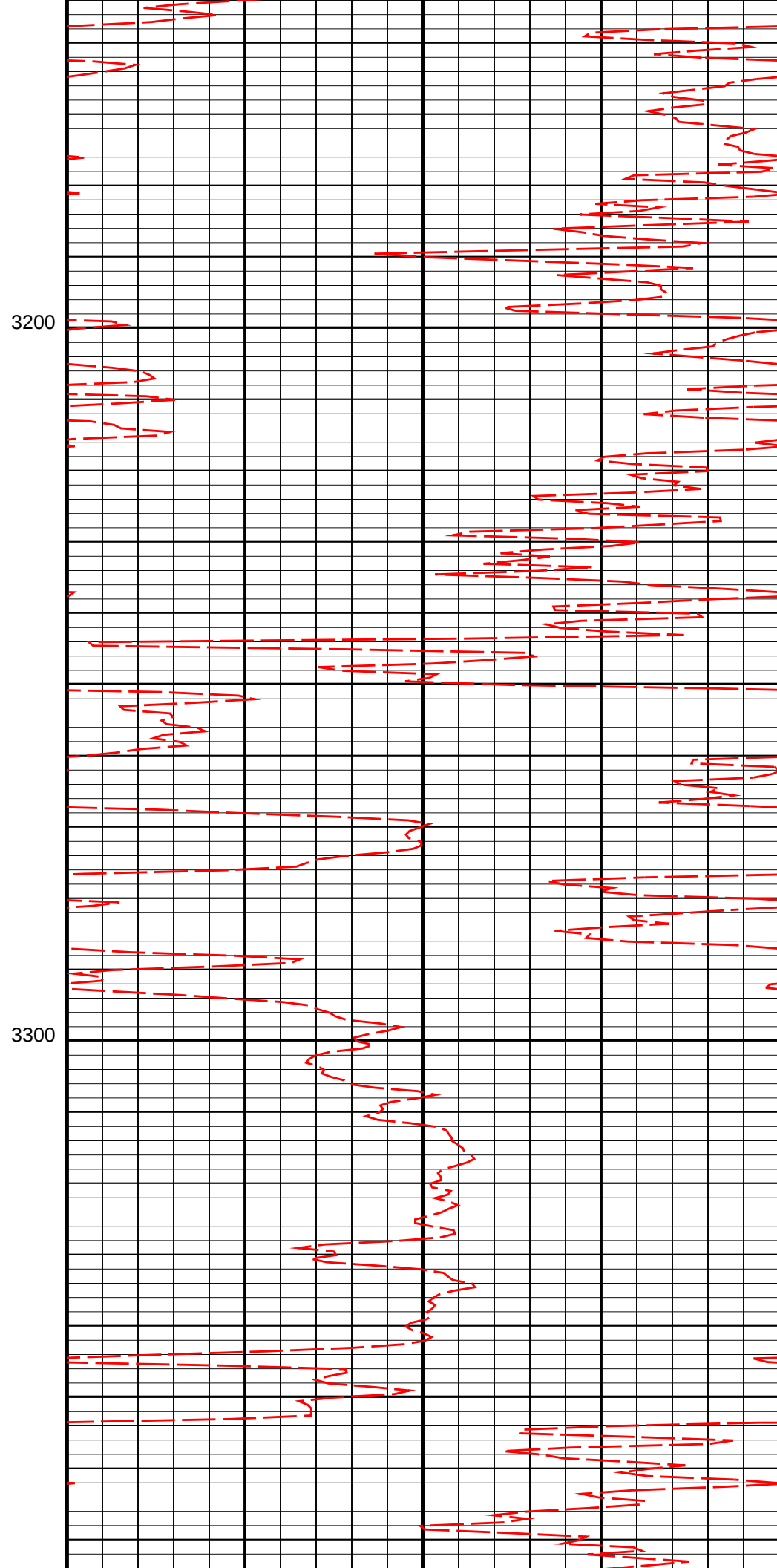
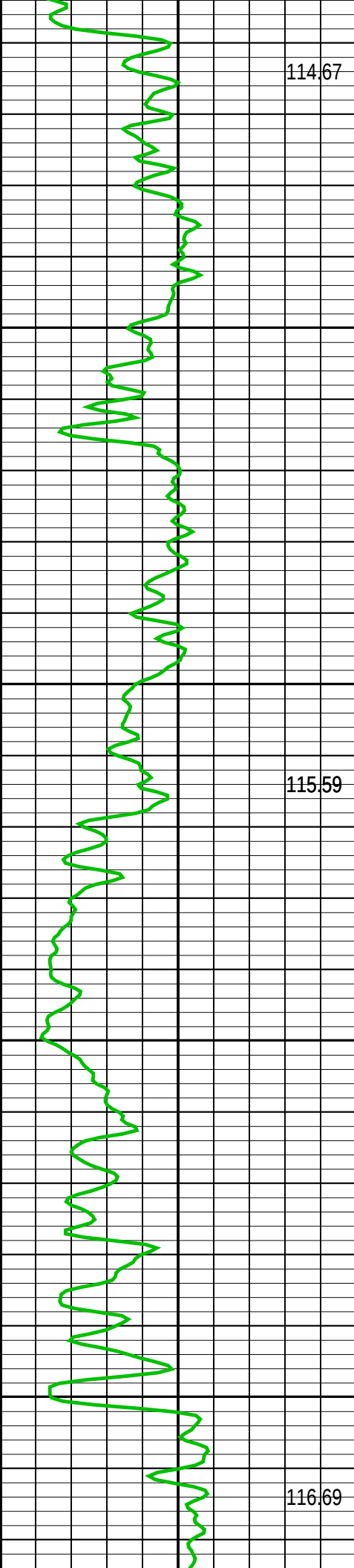
	Relative Bearing (RB)	
0	(DEG)	940
gr wrap4 From LHT1 to GR4		
gr wrap3 From LHT1 to GR3		
gr wrap2 From LHT1 to GR2		
gr wrap1 From LHT1 to GR1		
Gamma Ray (GR)		
0	(GAPI)	150
Caliper (CALI)		

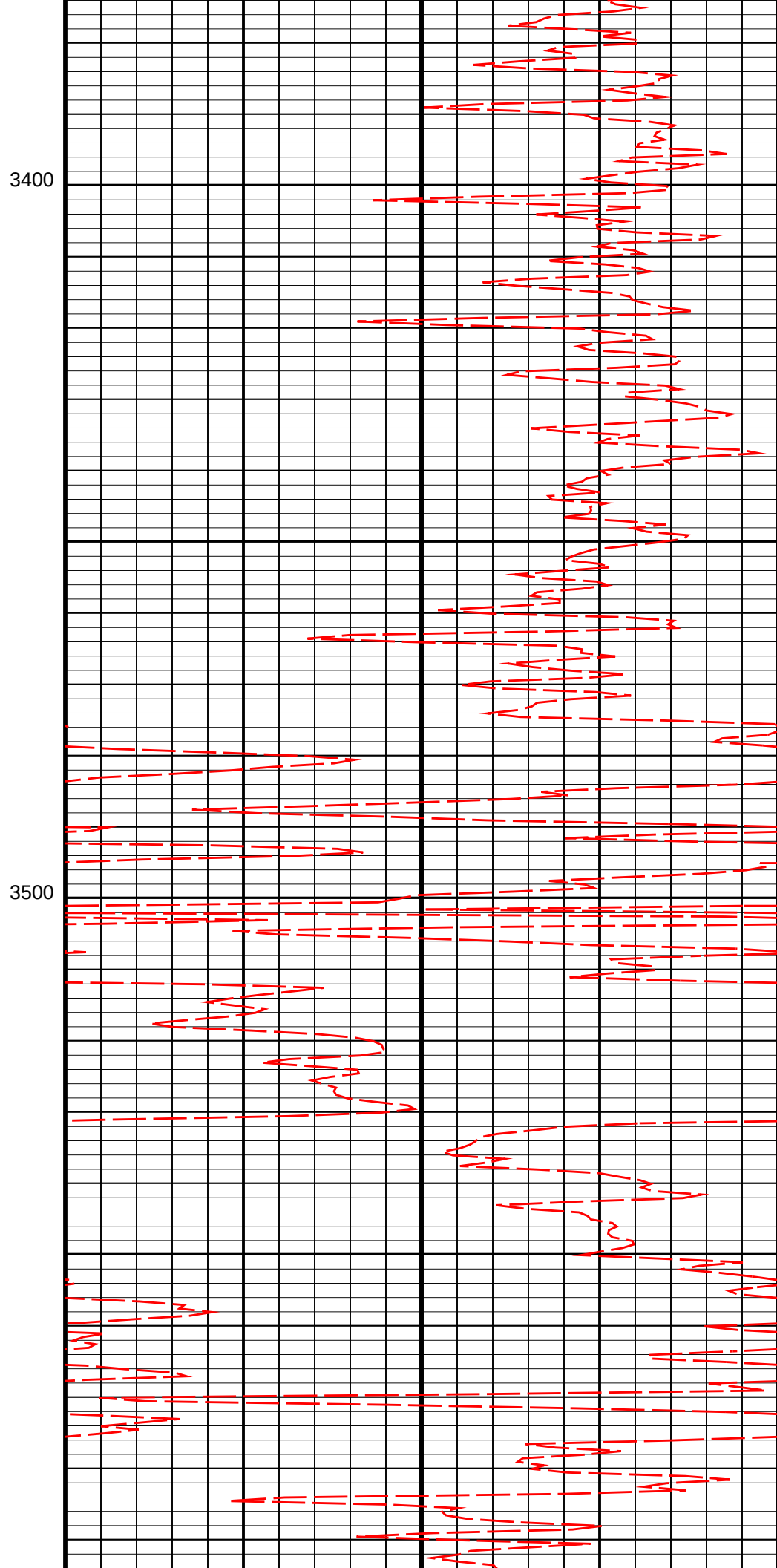
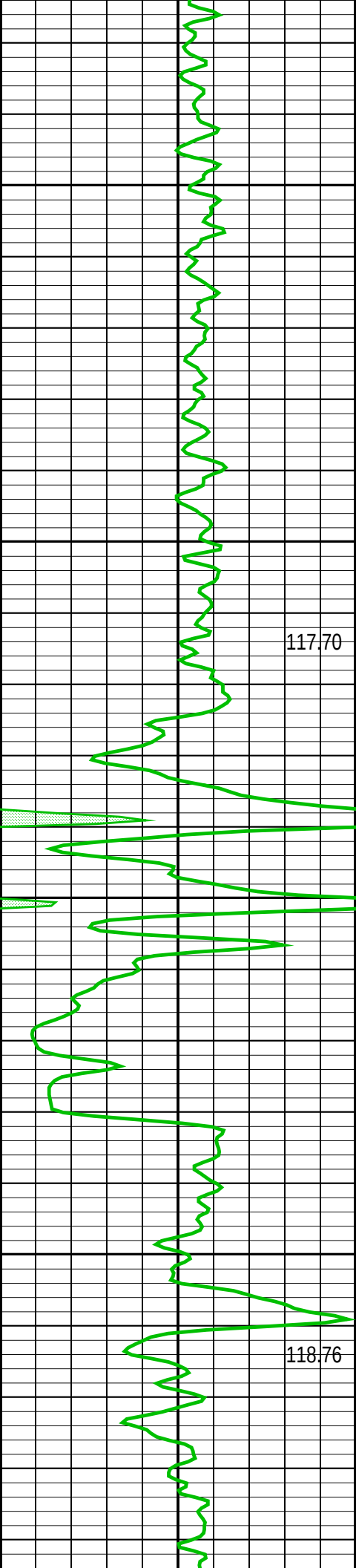
4	(IN)	14
Gamma Ray 4 (GR)		
600	(GAPI)	750
Gamma Ray 3 (GR)		
450	(GAPI)	600
Gamma Ray 2 (GR)		
300	(GAPI)	450
Gamma Ray 1 (GR)		
150	(GAPI)	300
Bit Size (BS)		
4	(IN)	14
GR Temp (WTEP)		
(DEGF)		

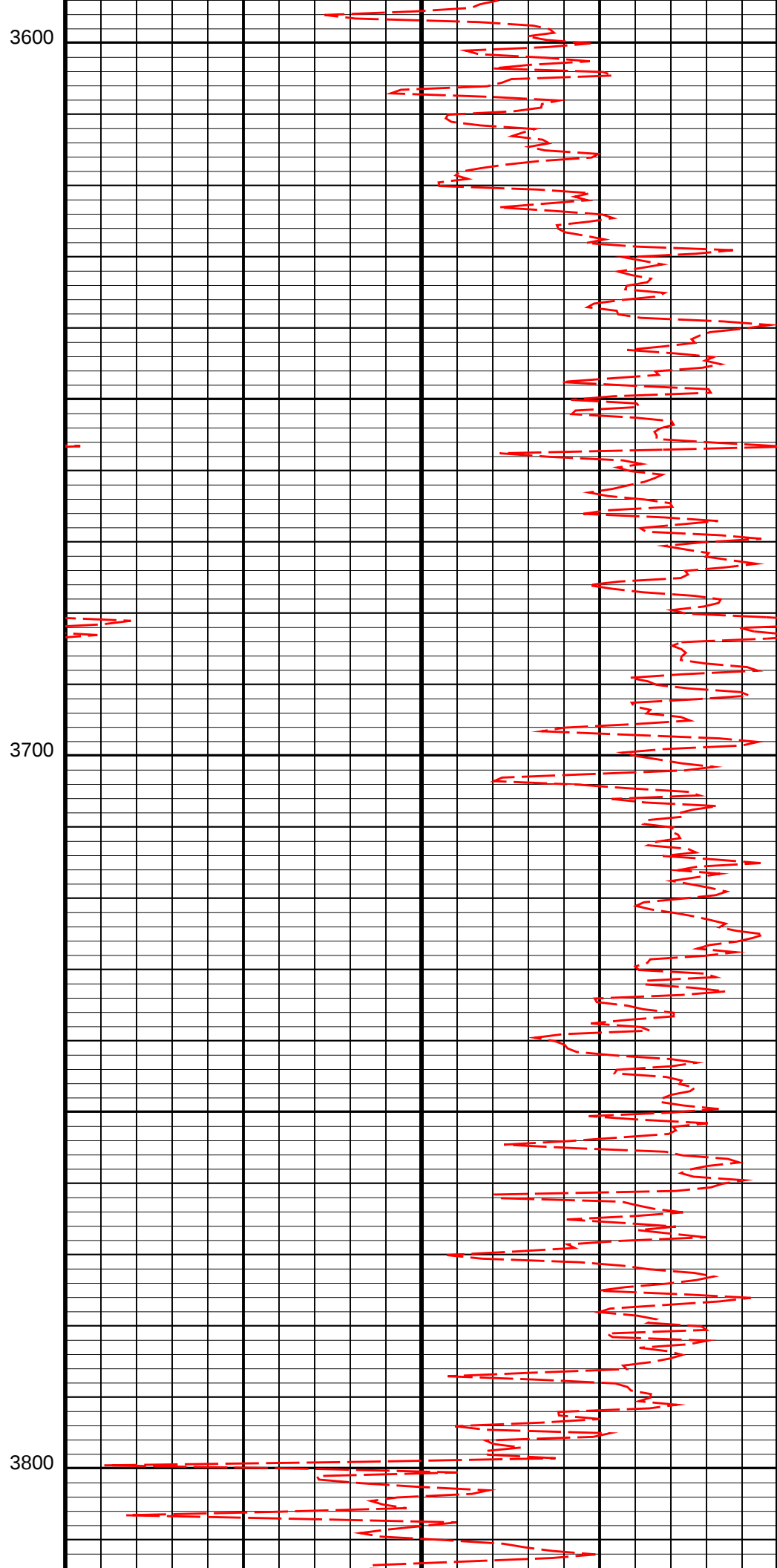
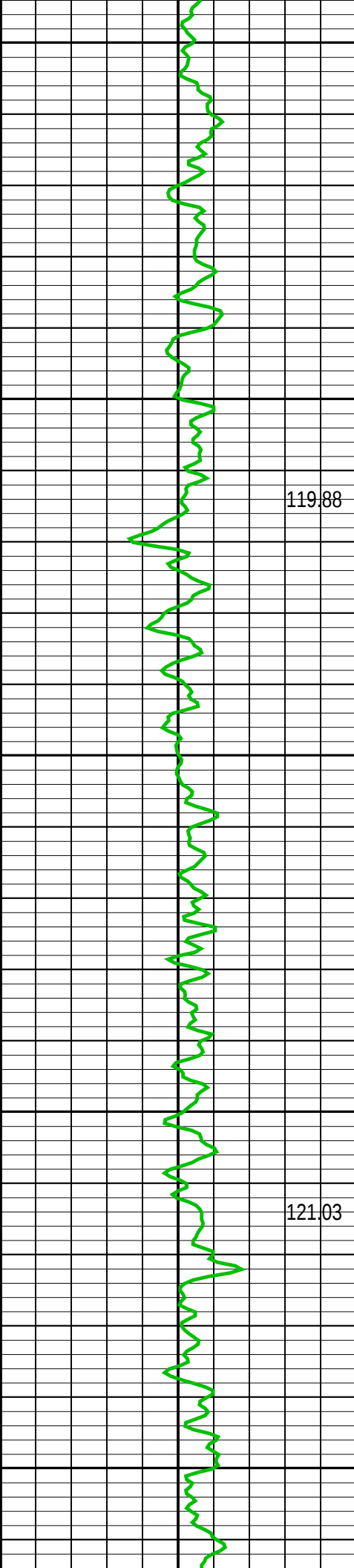


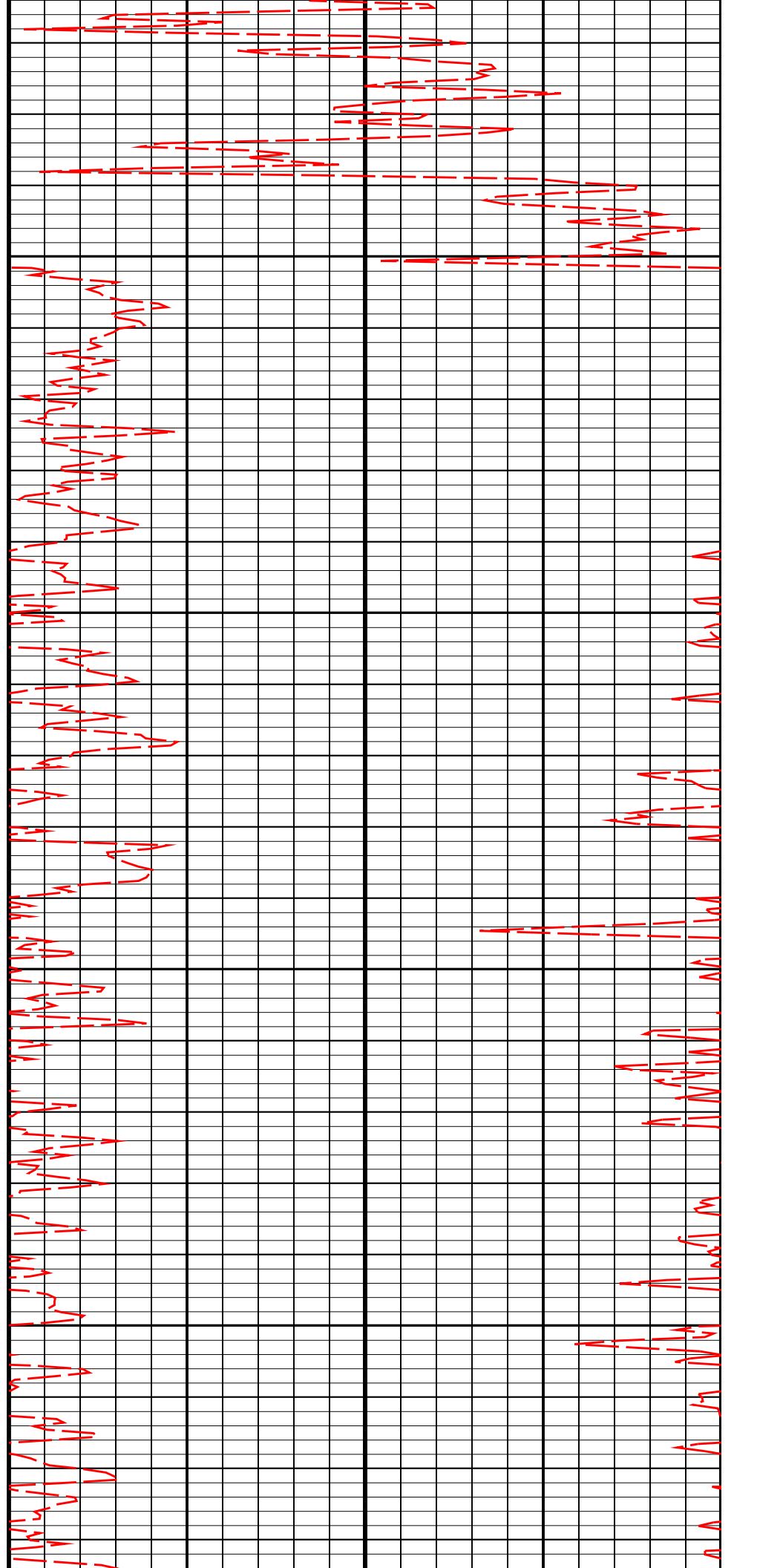
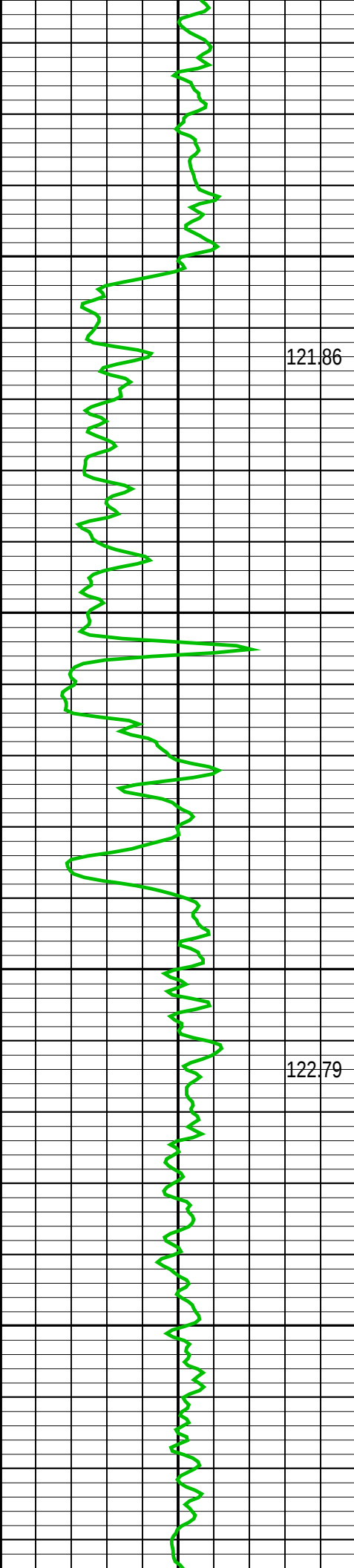
30	TNPH (TNPH)	-10
	(%)	
0	PEF (PEF)	10
	(----	
-0.5	DRHO (DRHO)	0.5
	(G/C3)	
30	DPHI (DPHI)	-10
	(PU)	

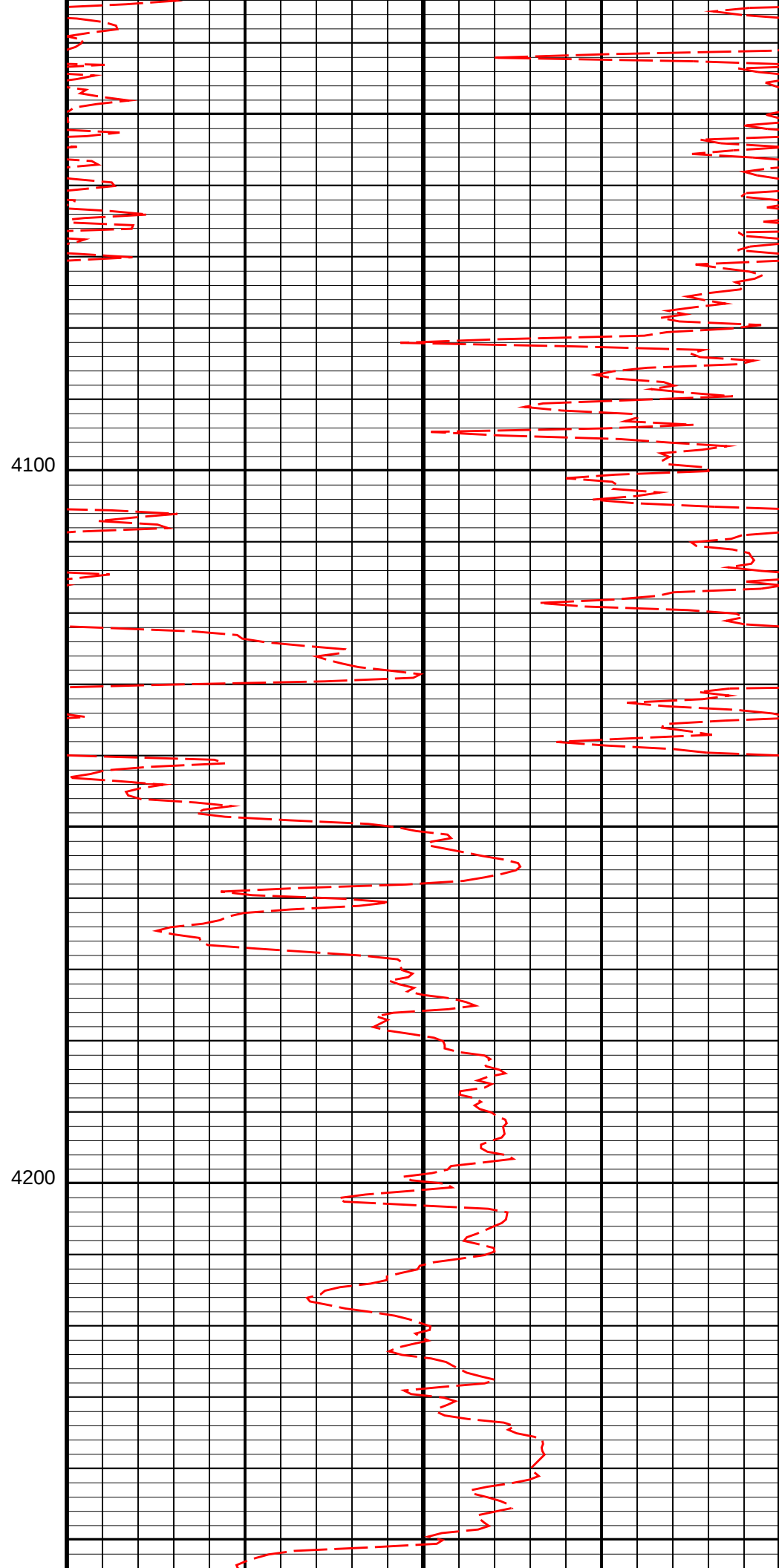
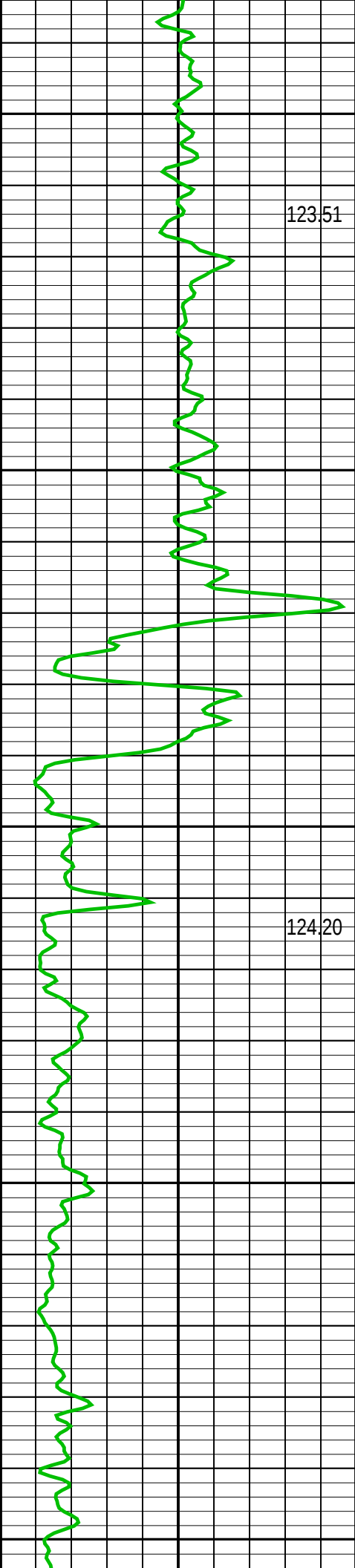


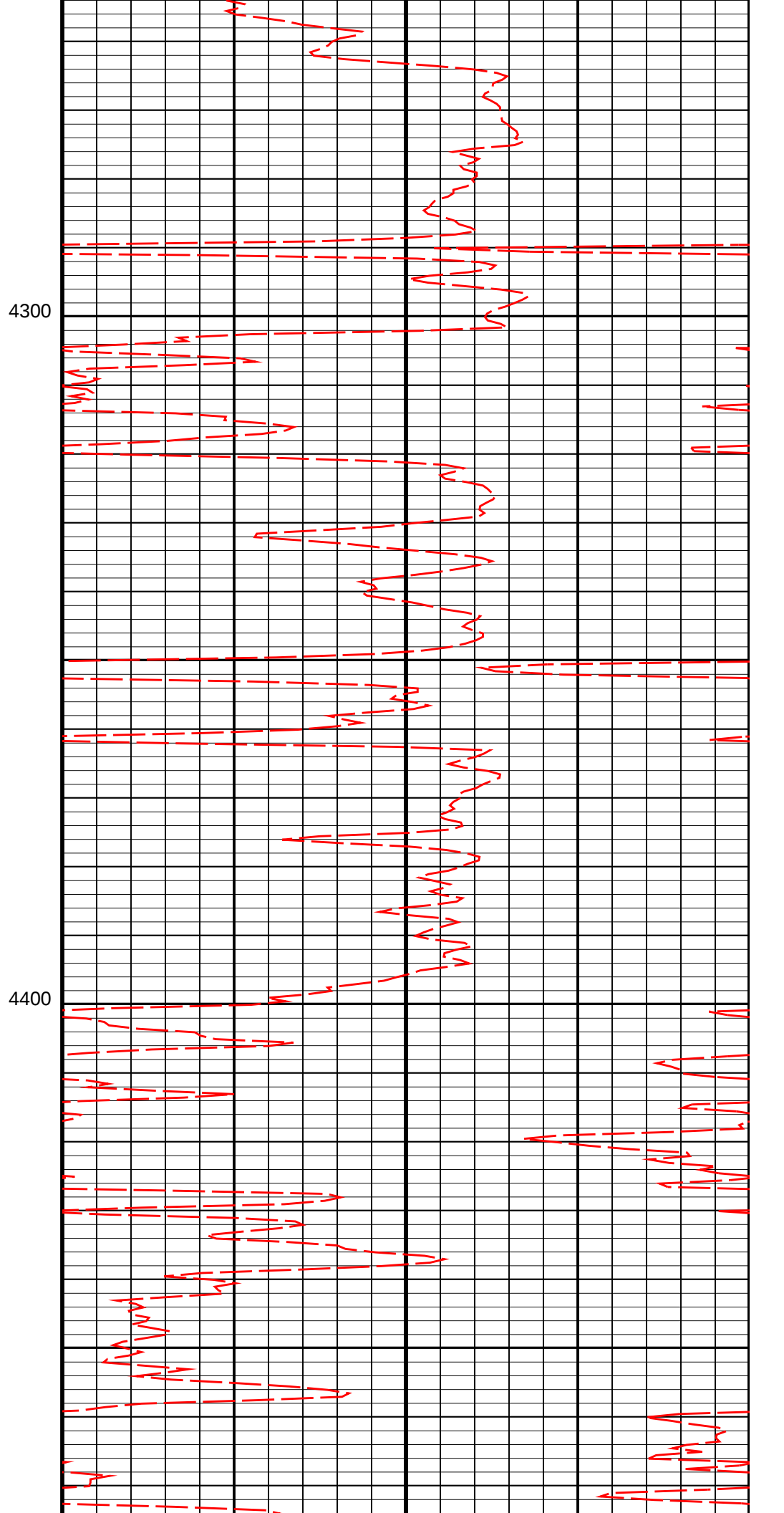
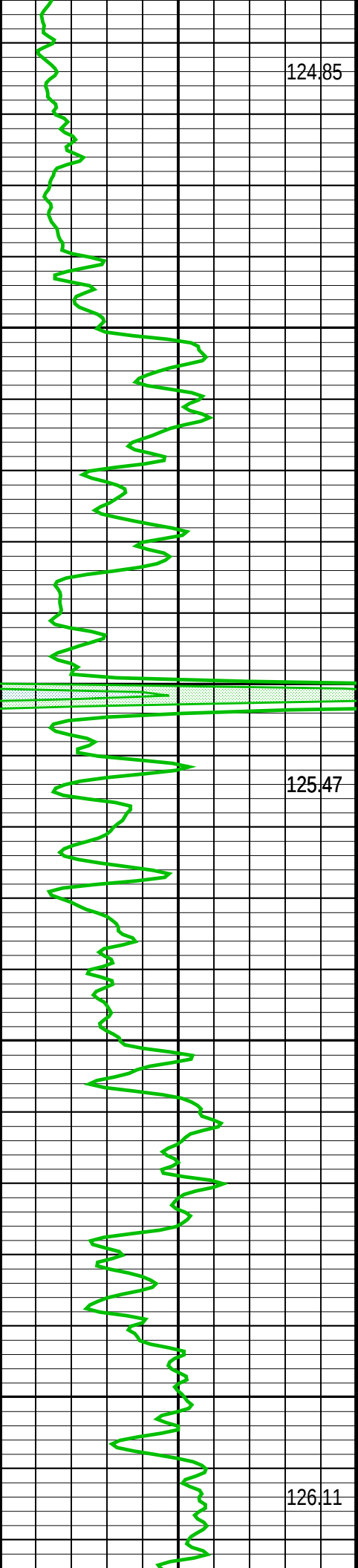


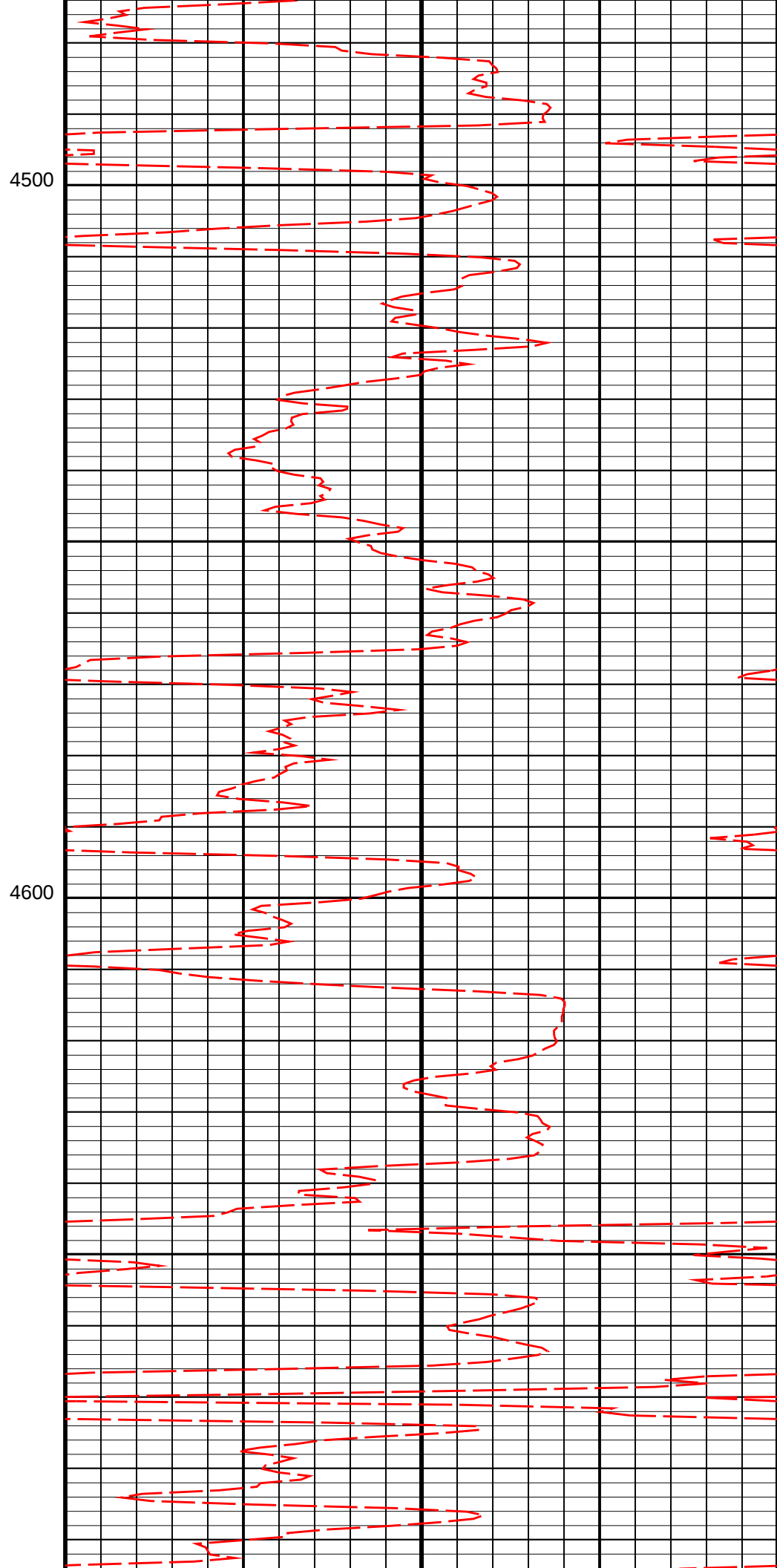
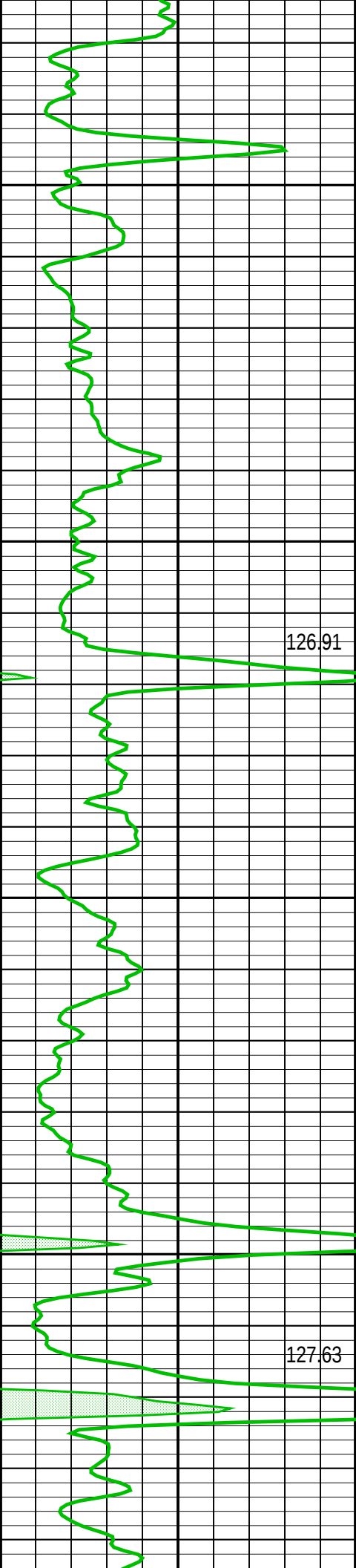


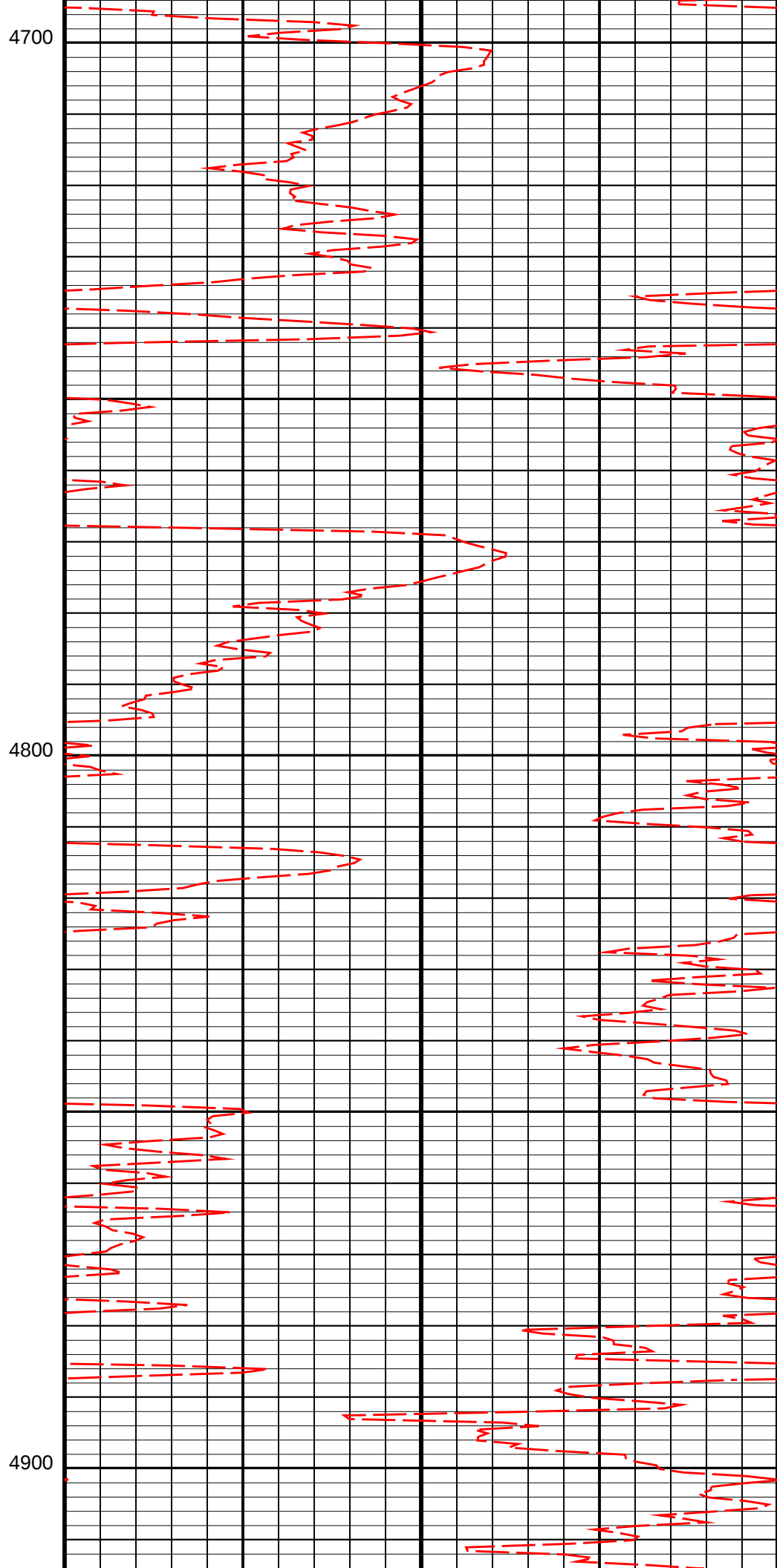
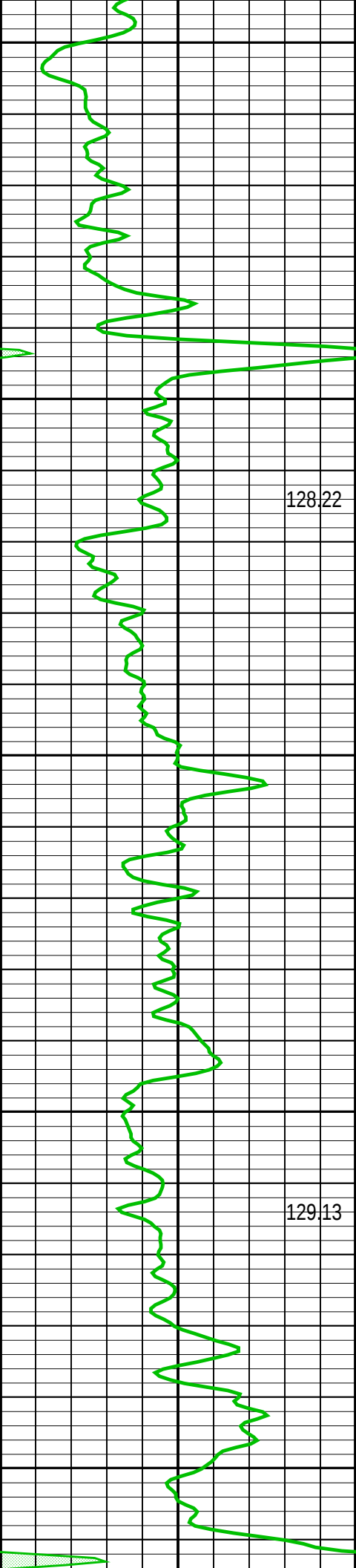


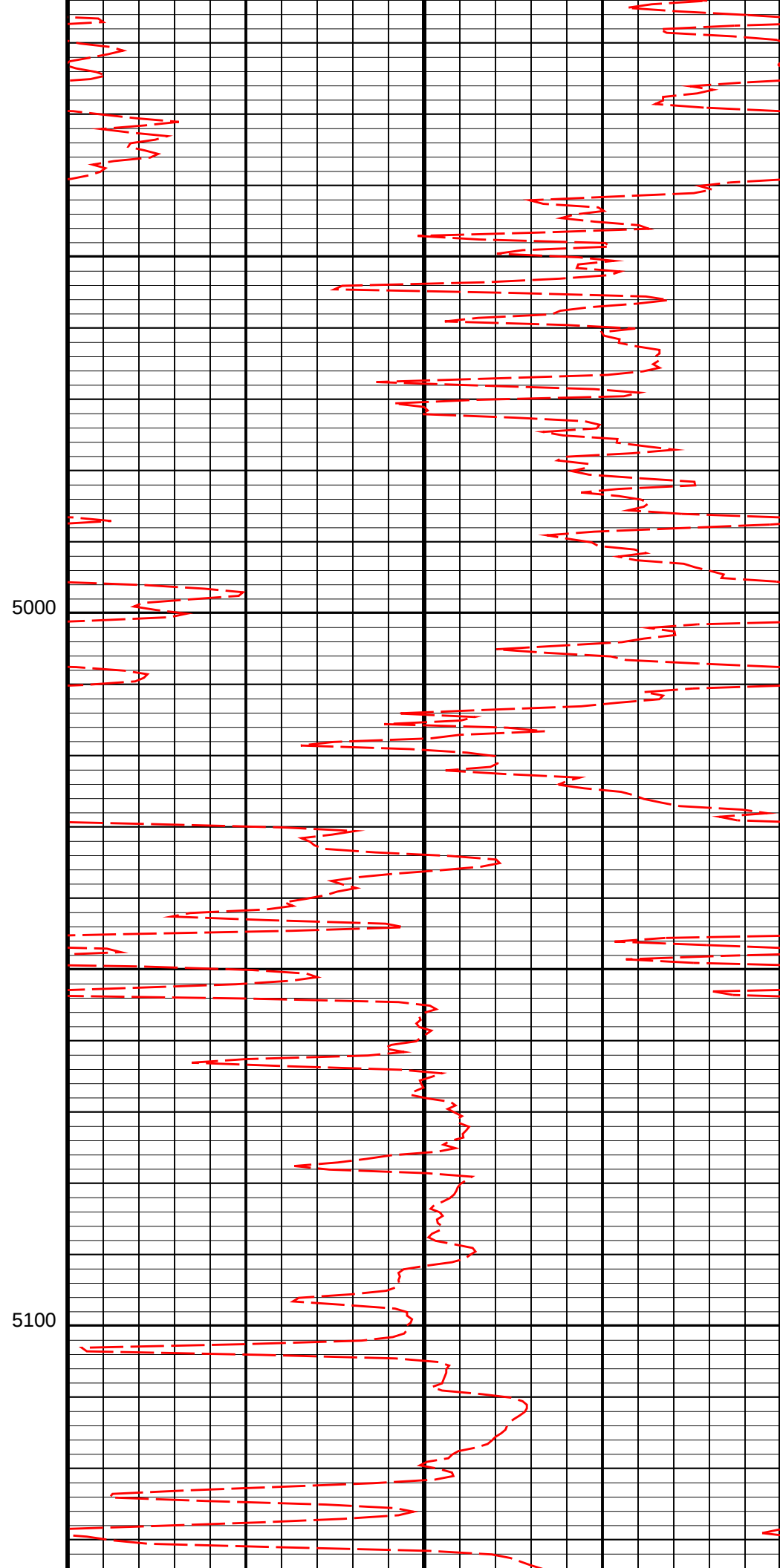
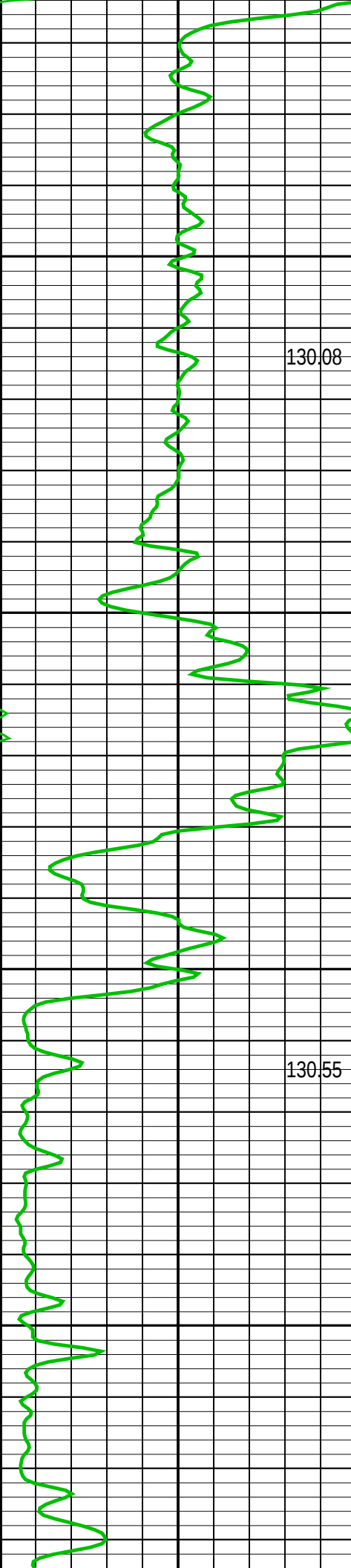


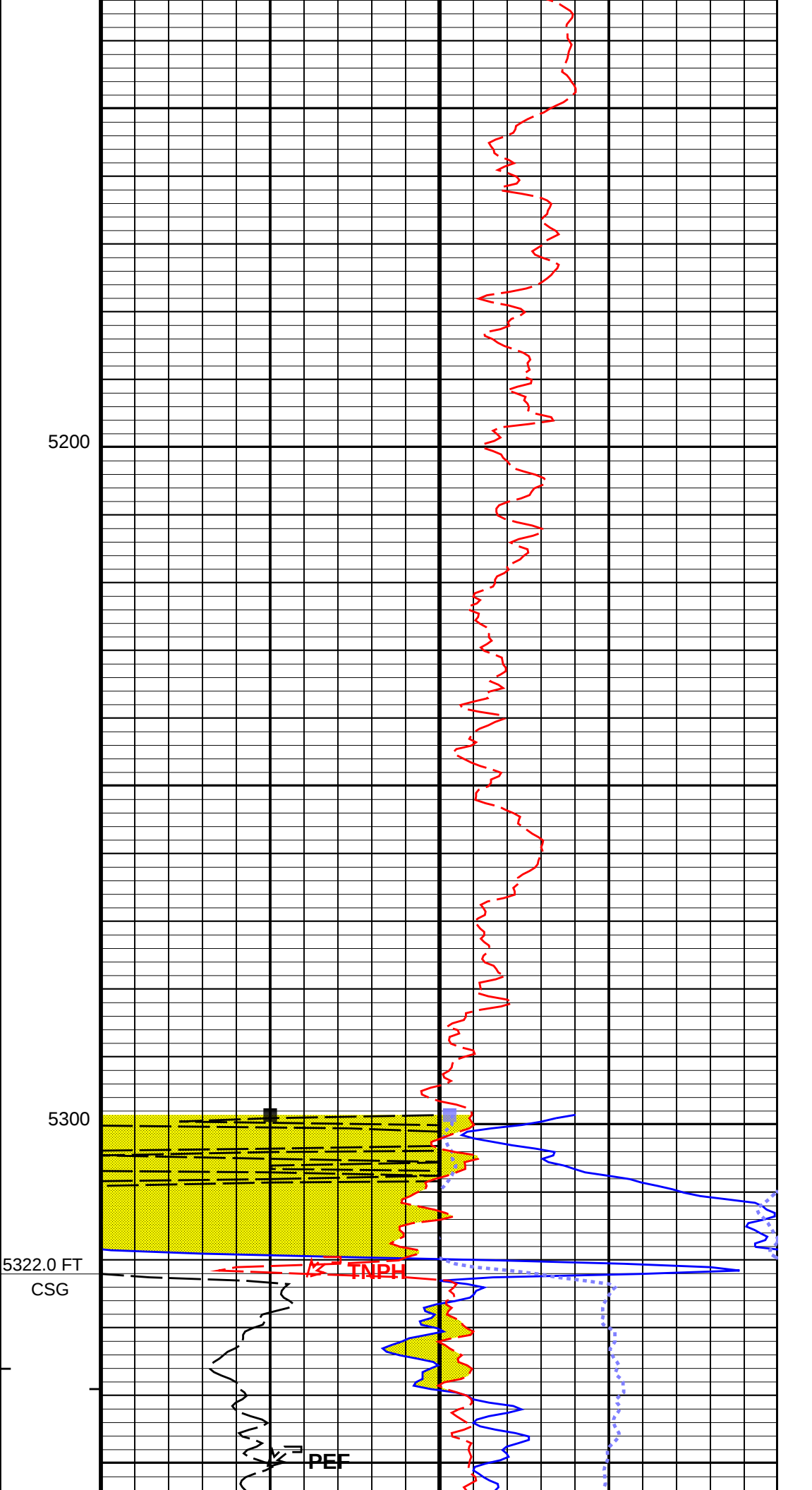
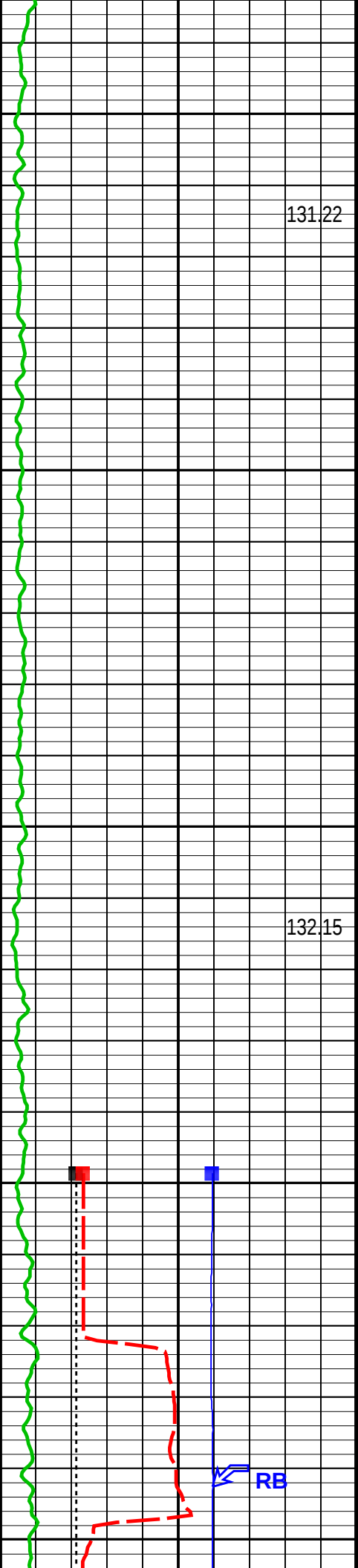


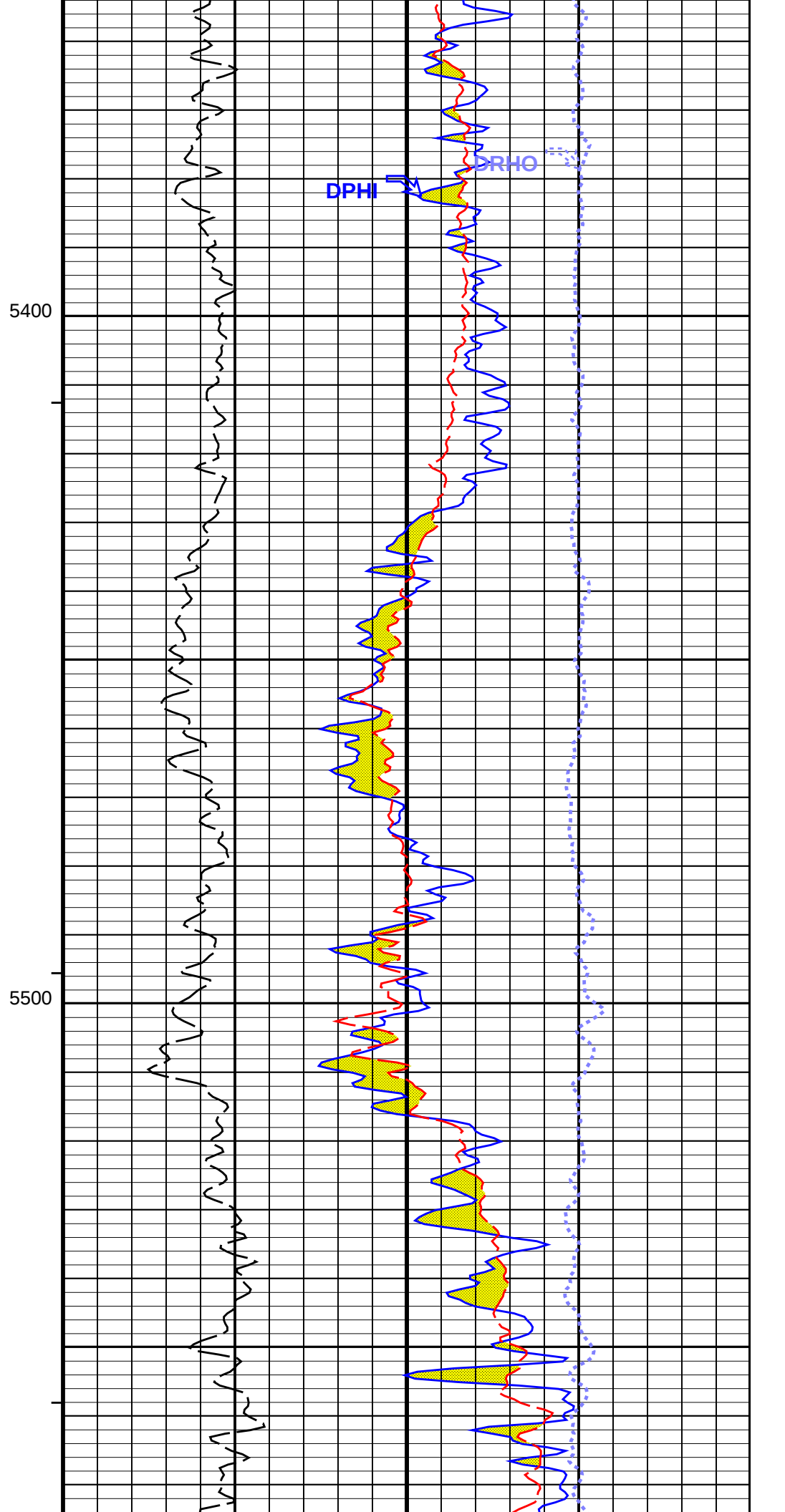
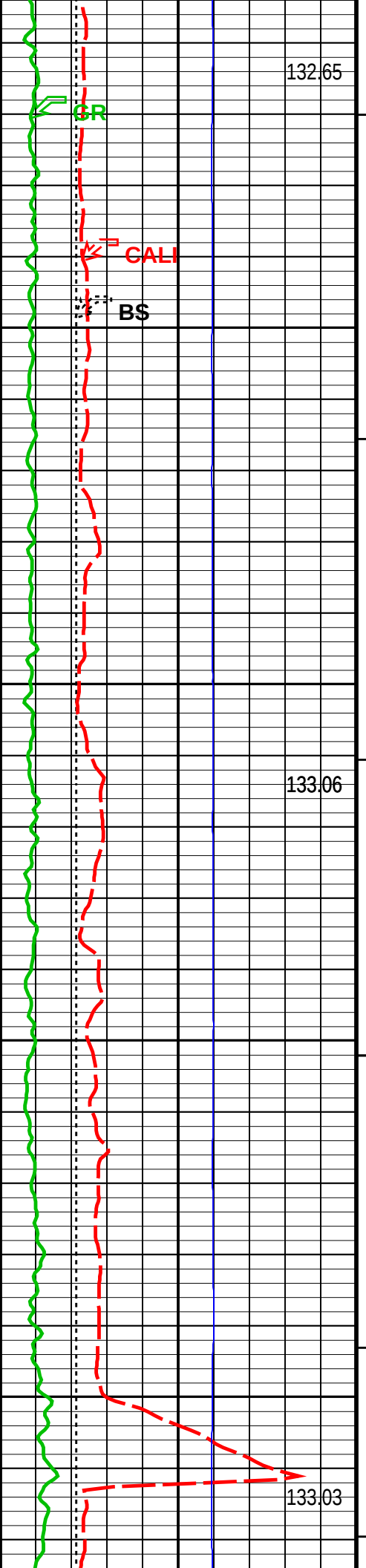


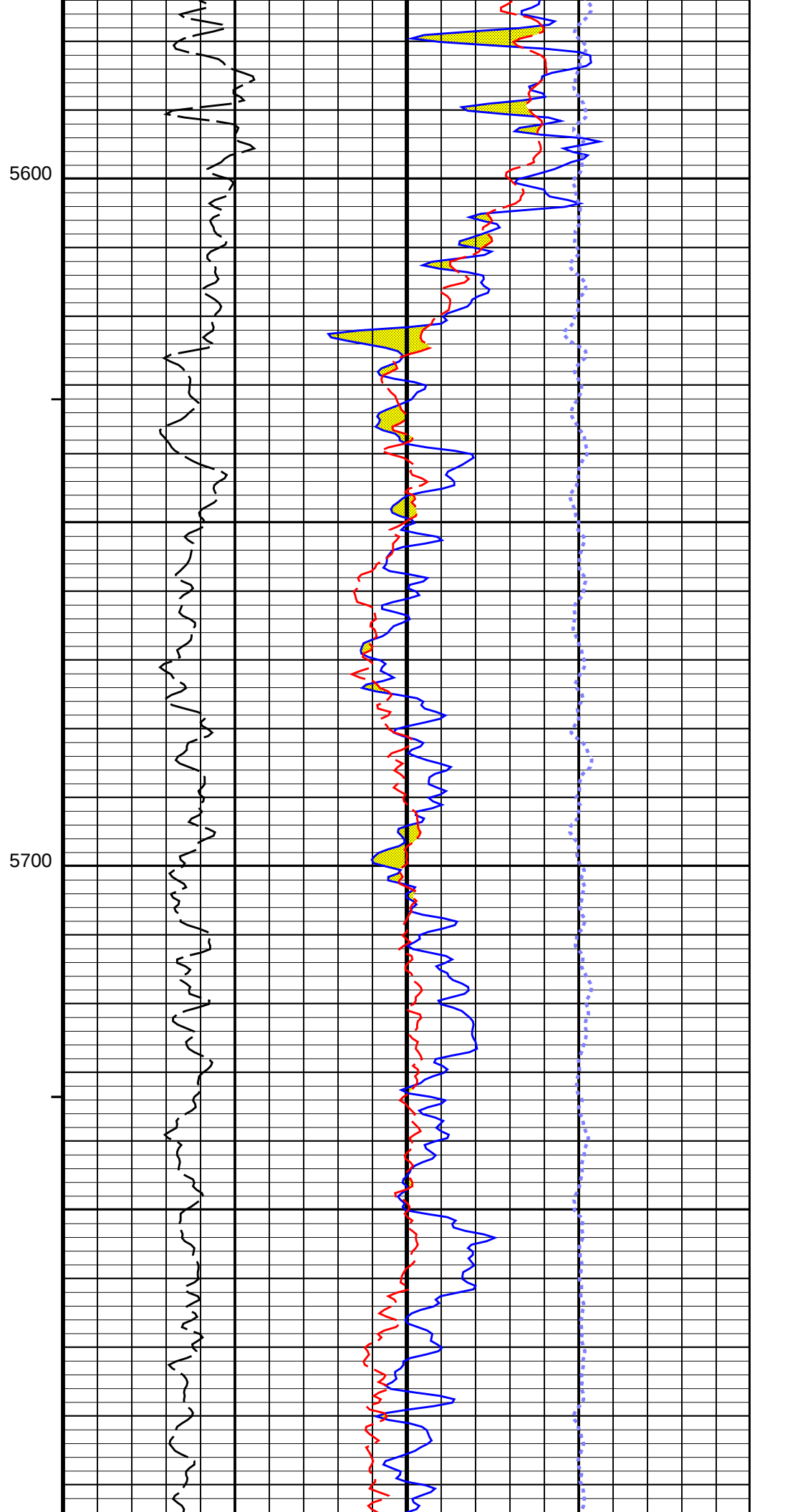
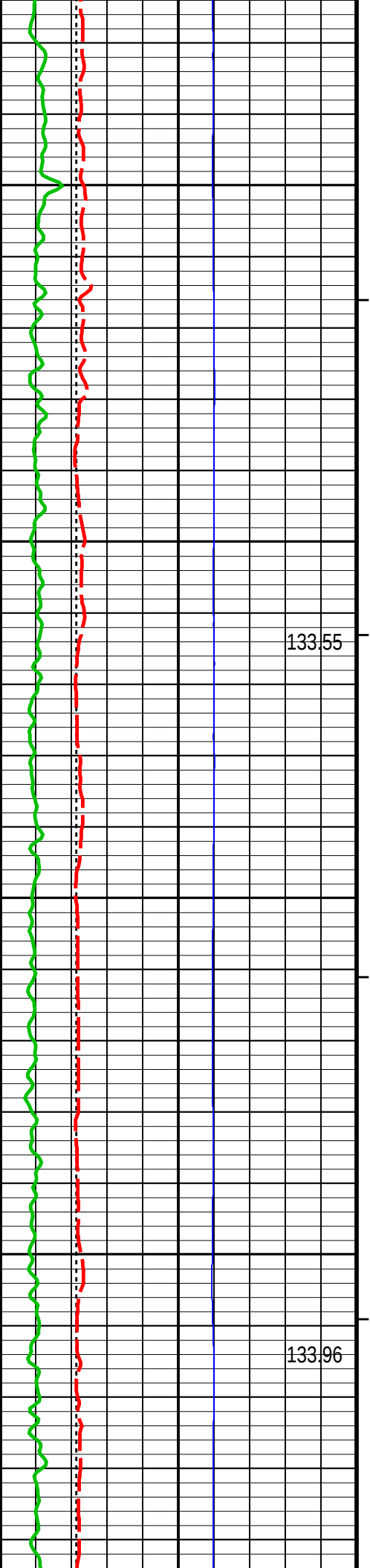


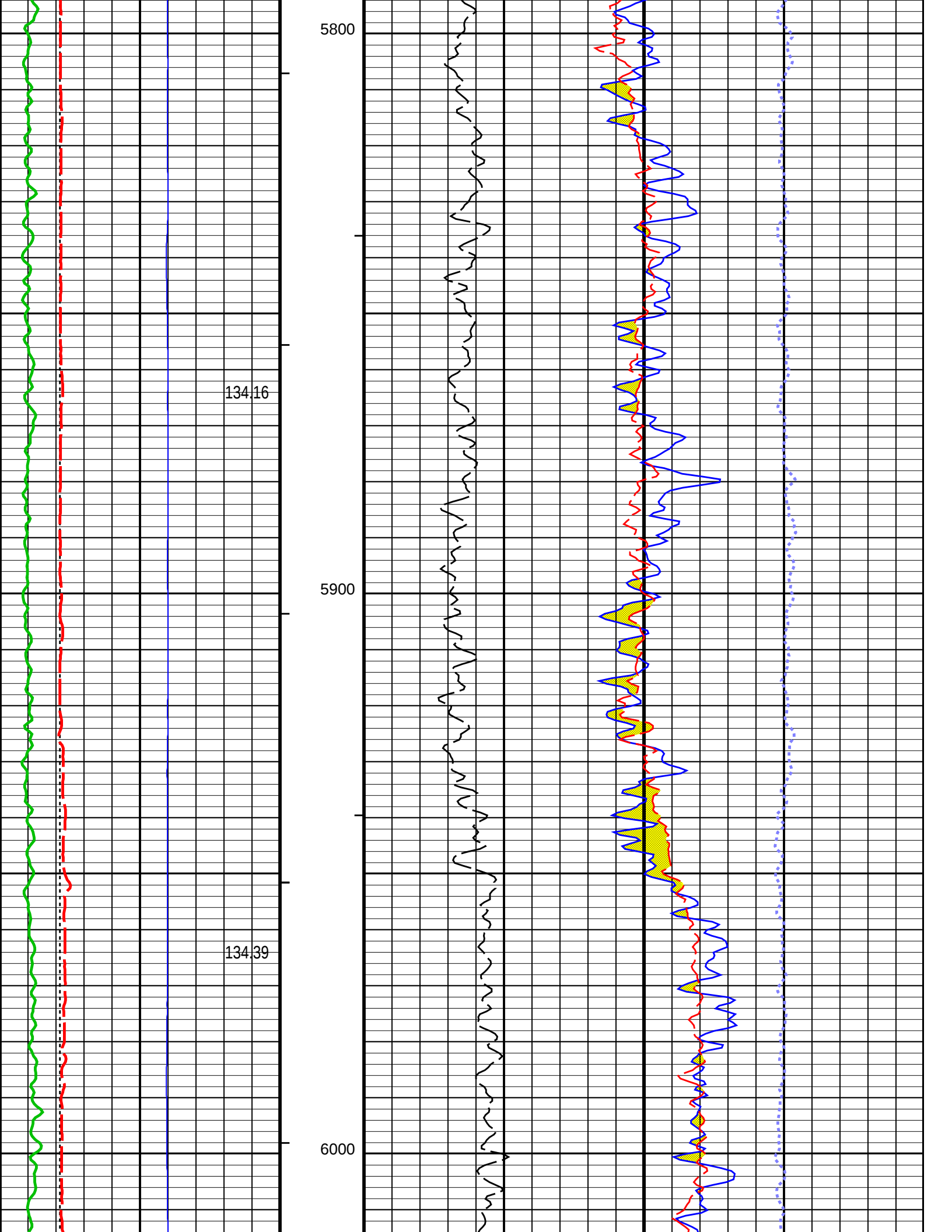


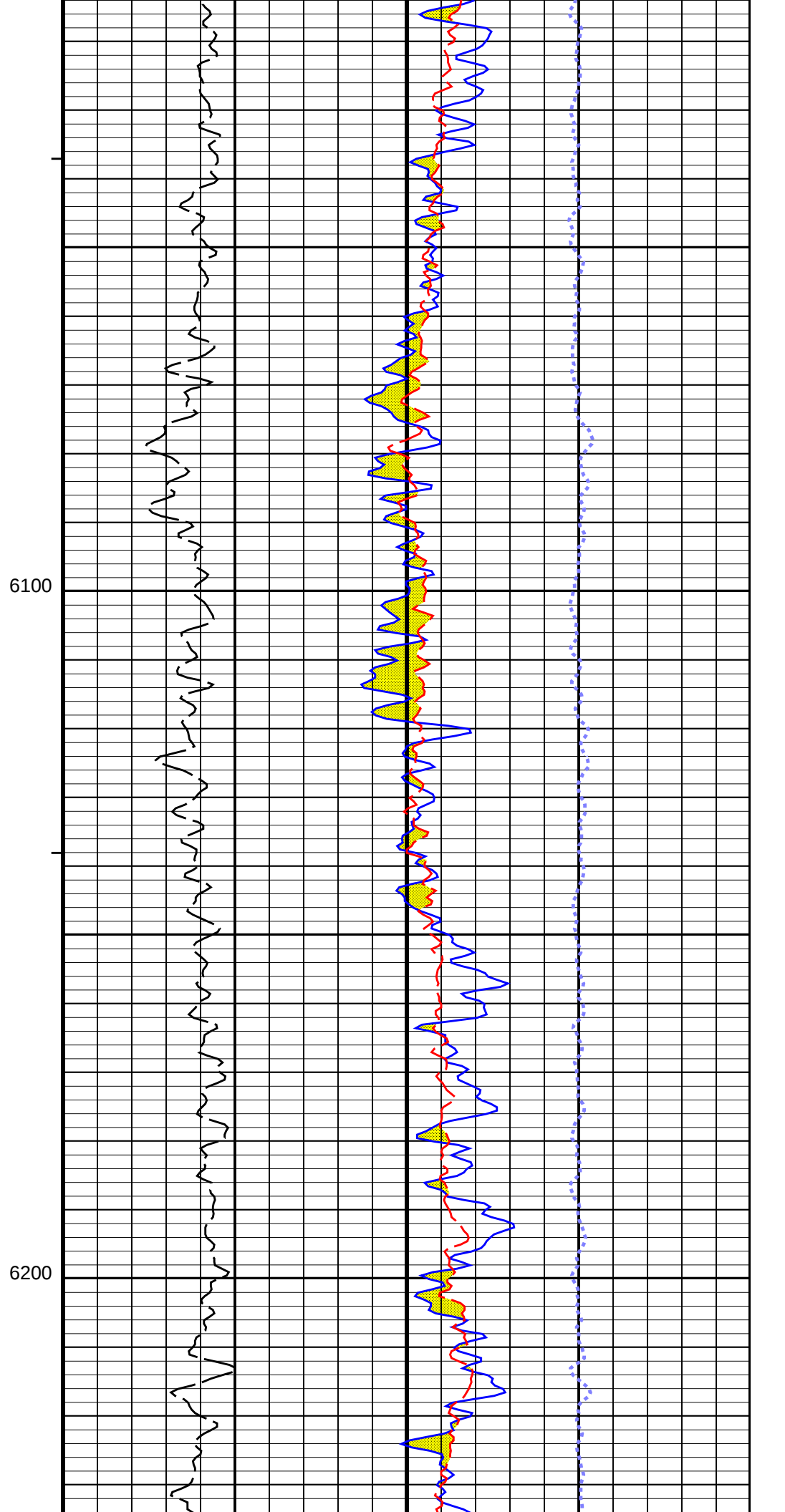
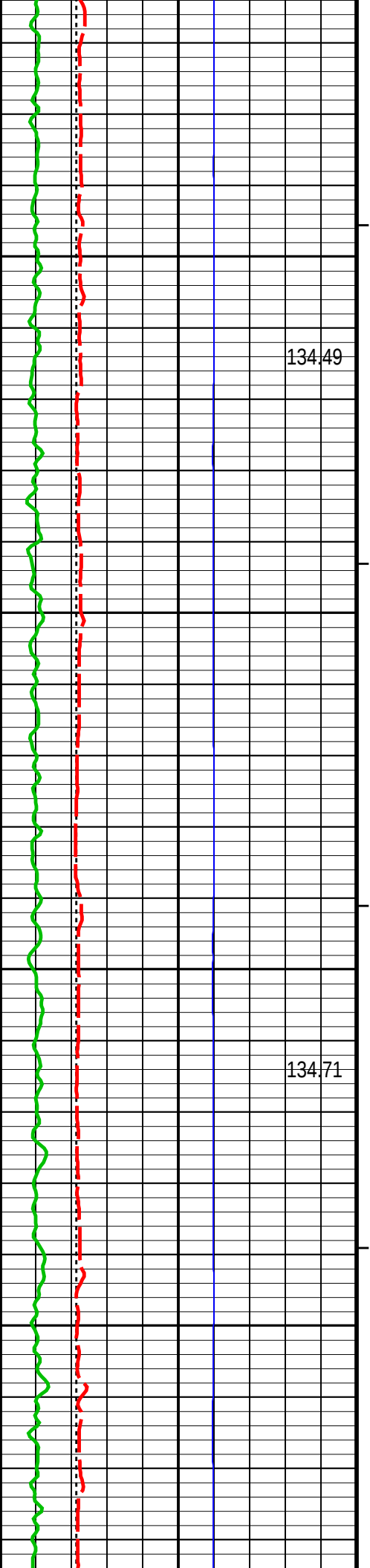


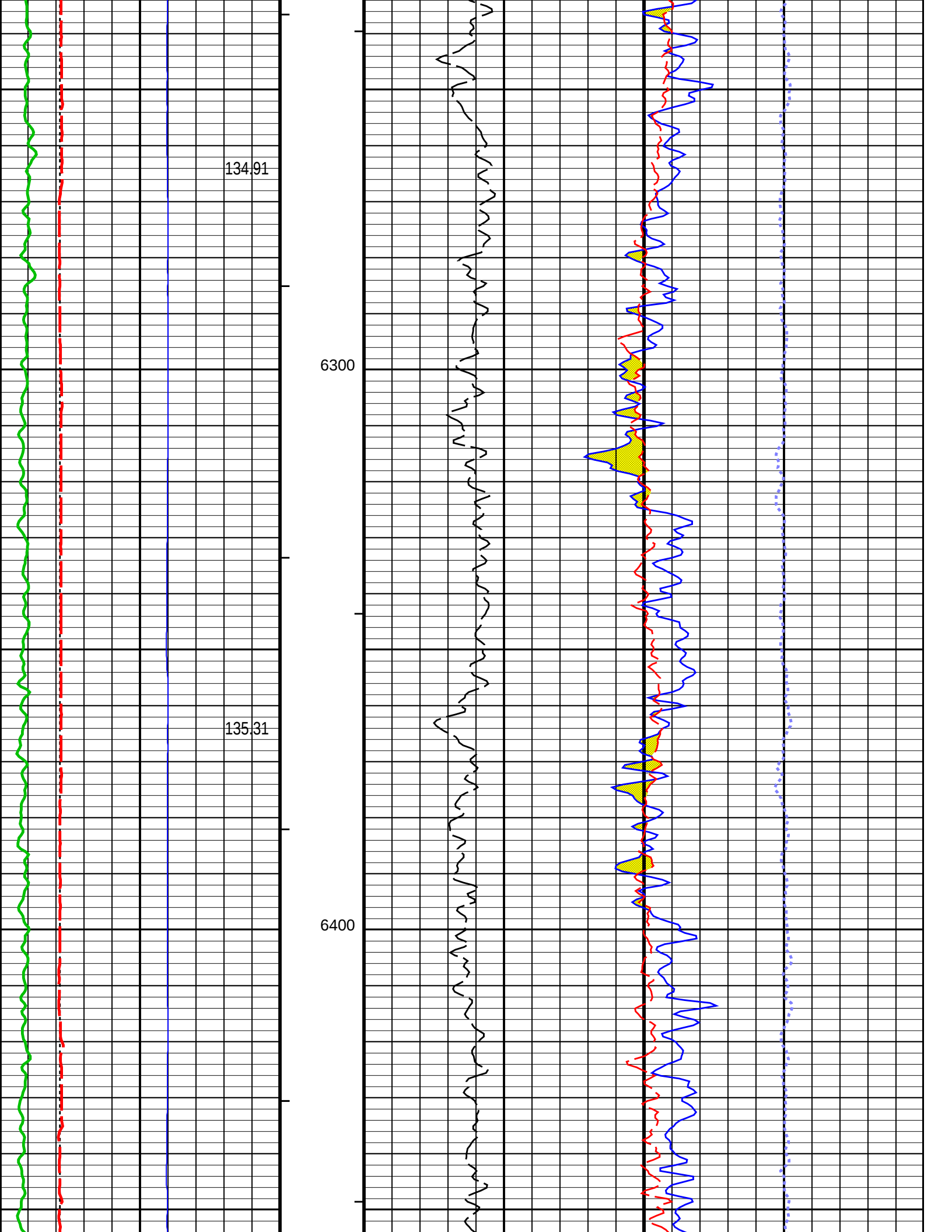


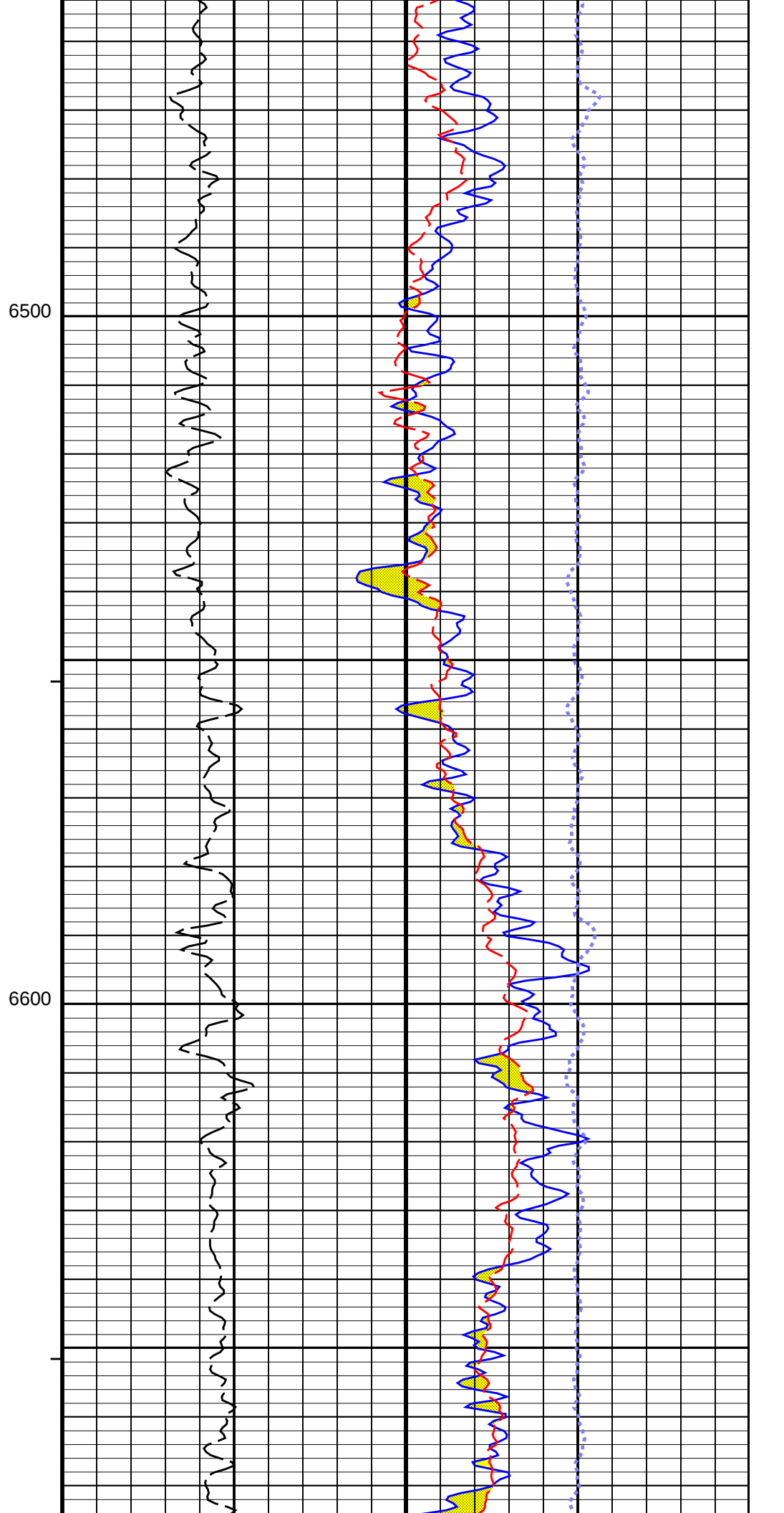
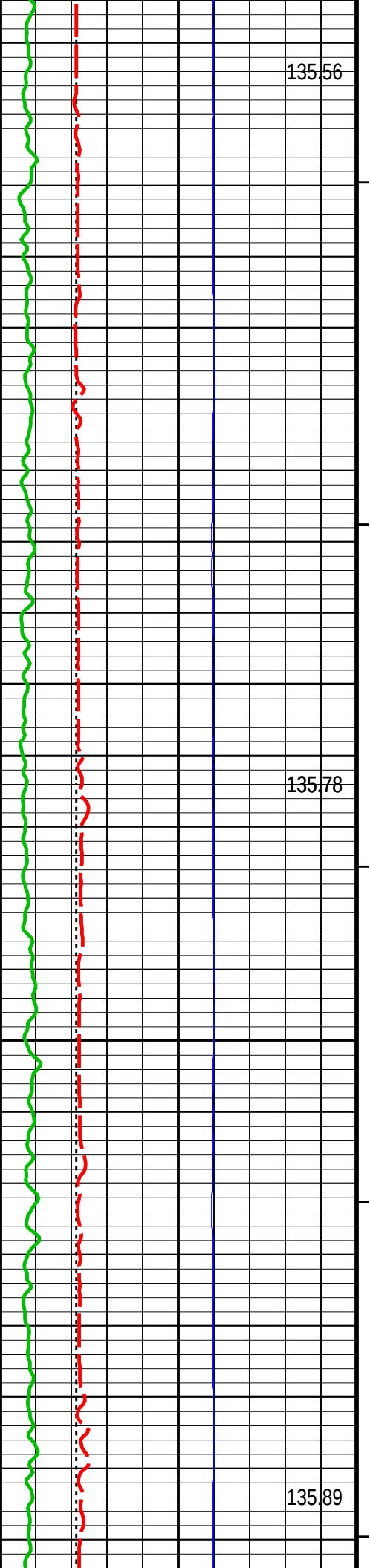


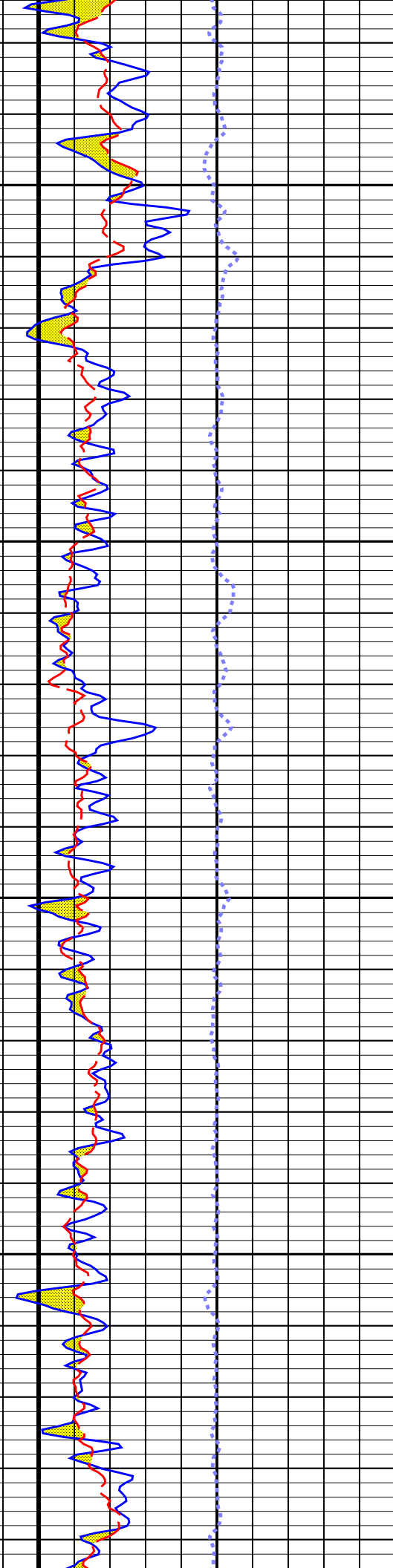
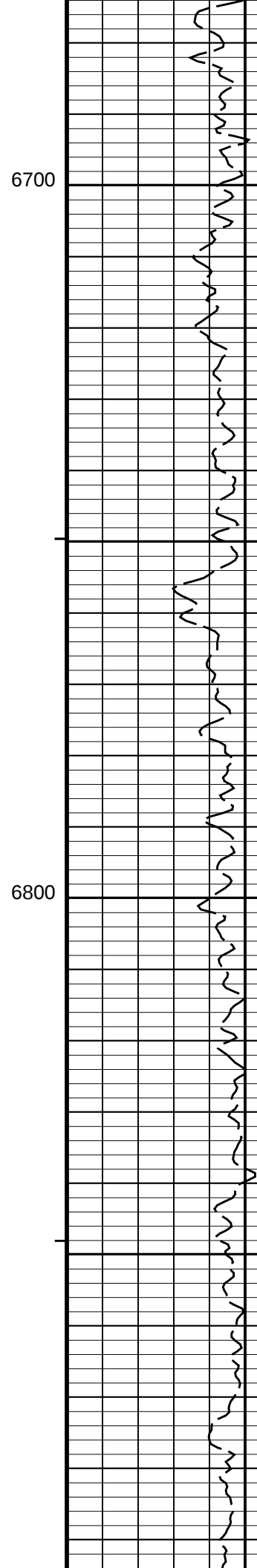
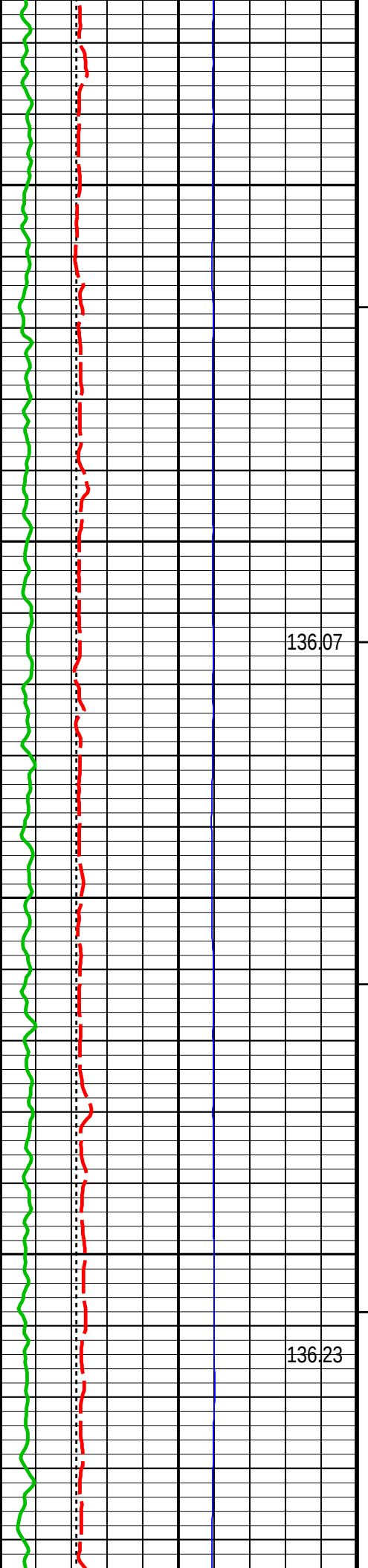


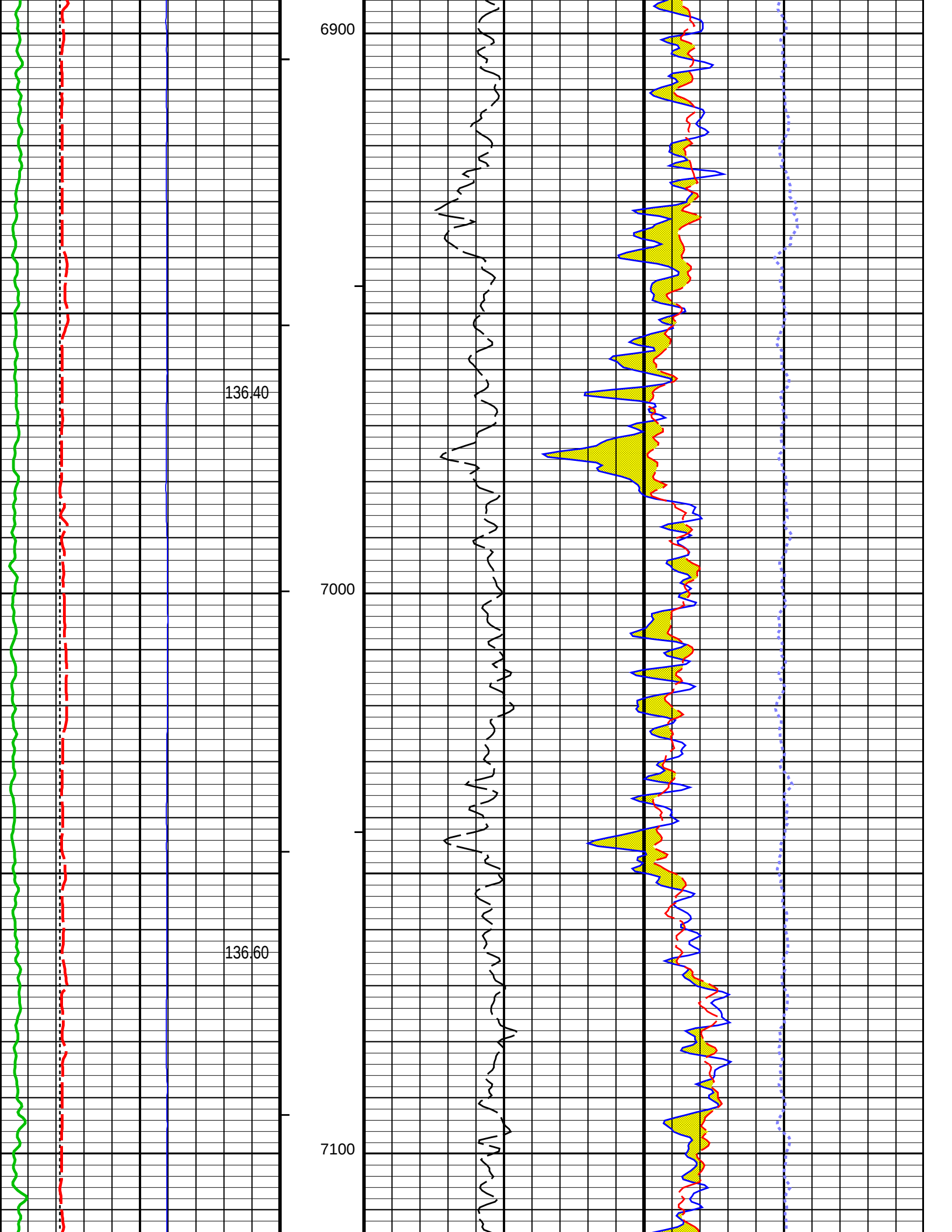


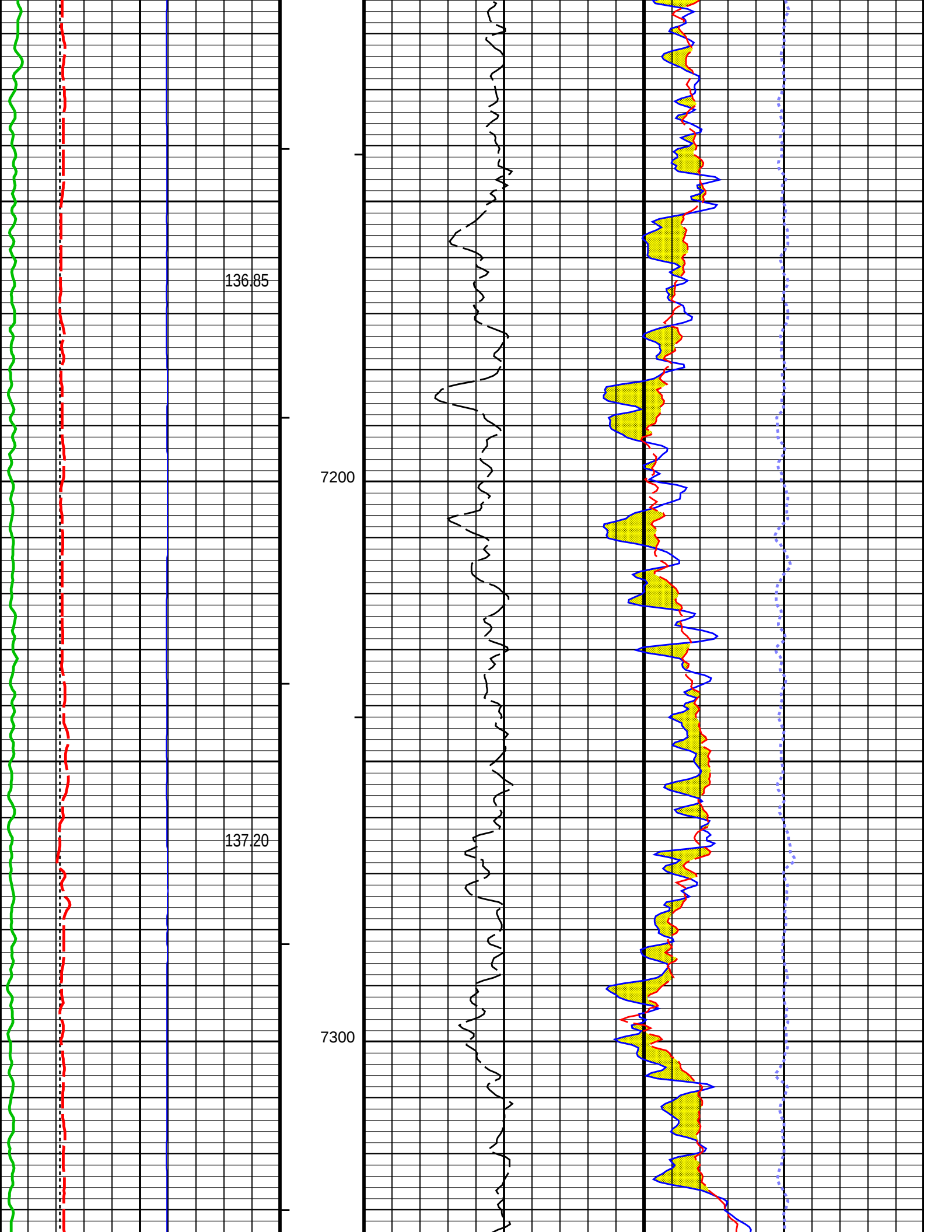


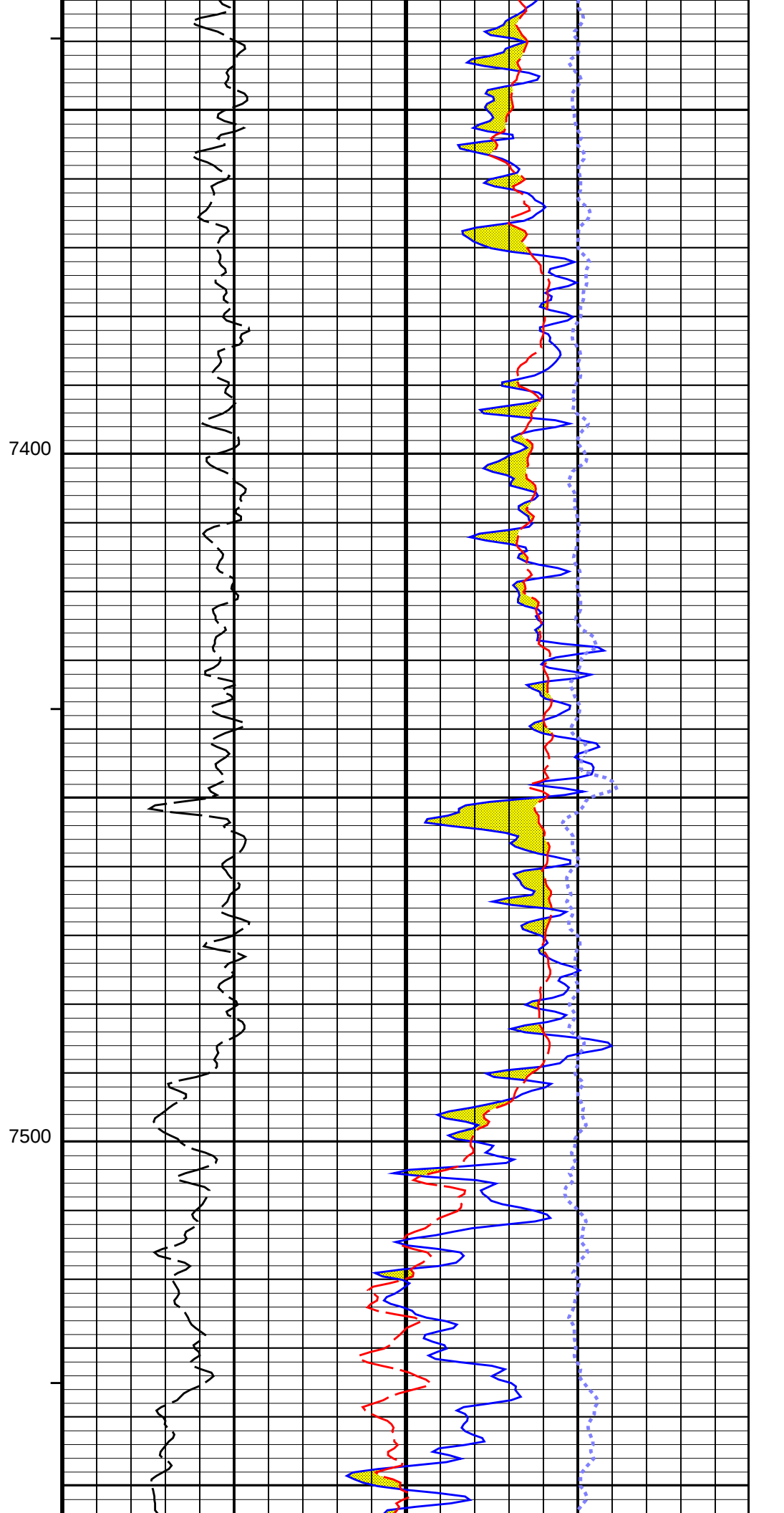
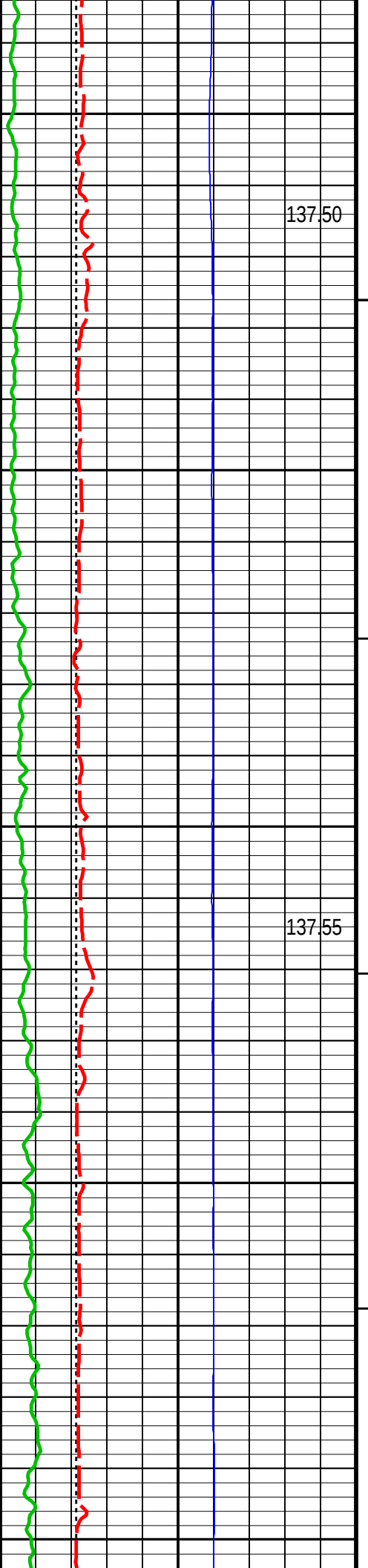


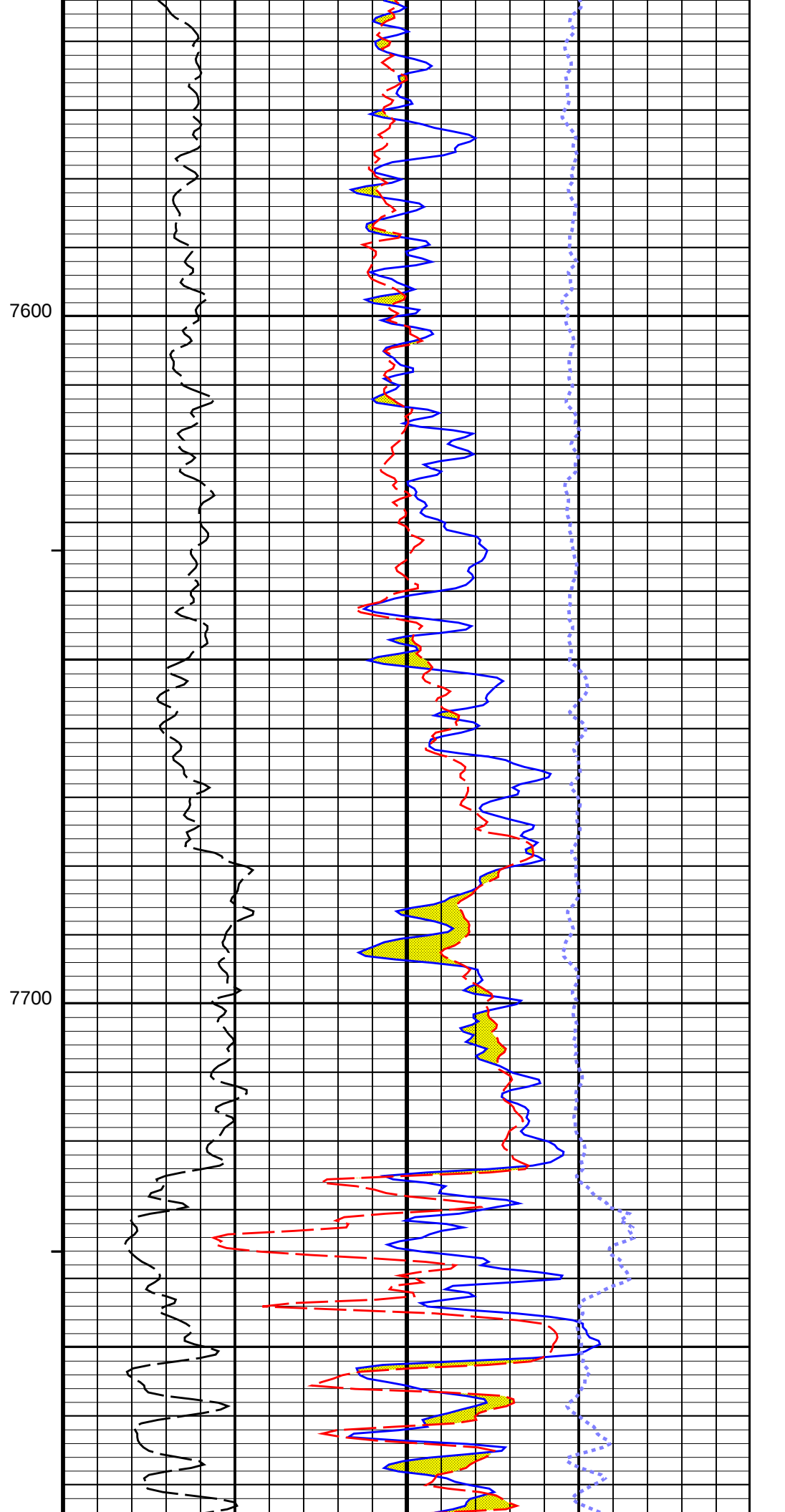
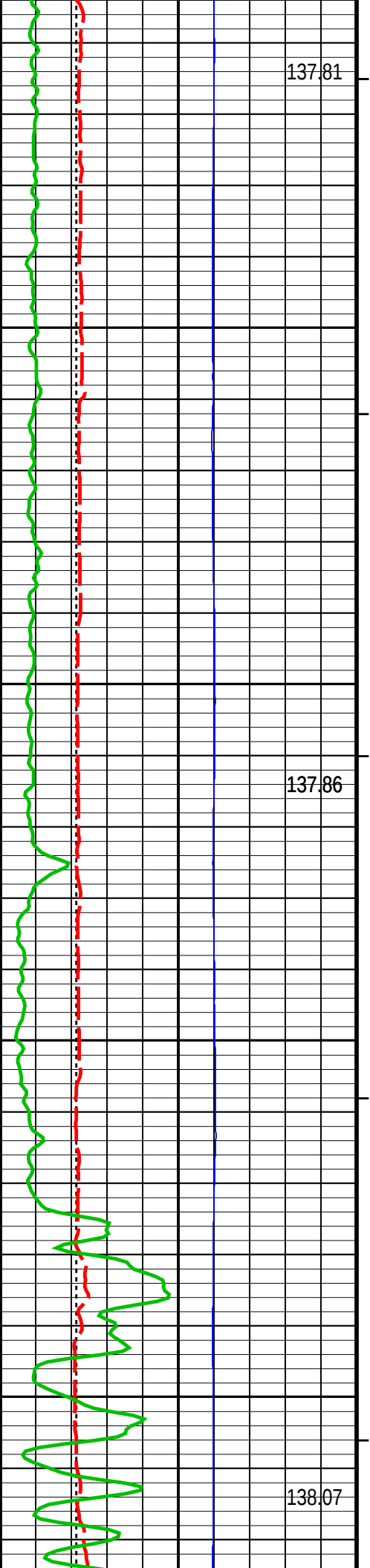


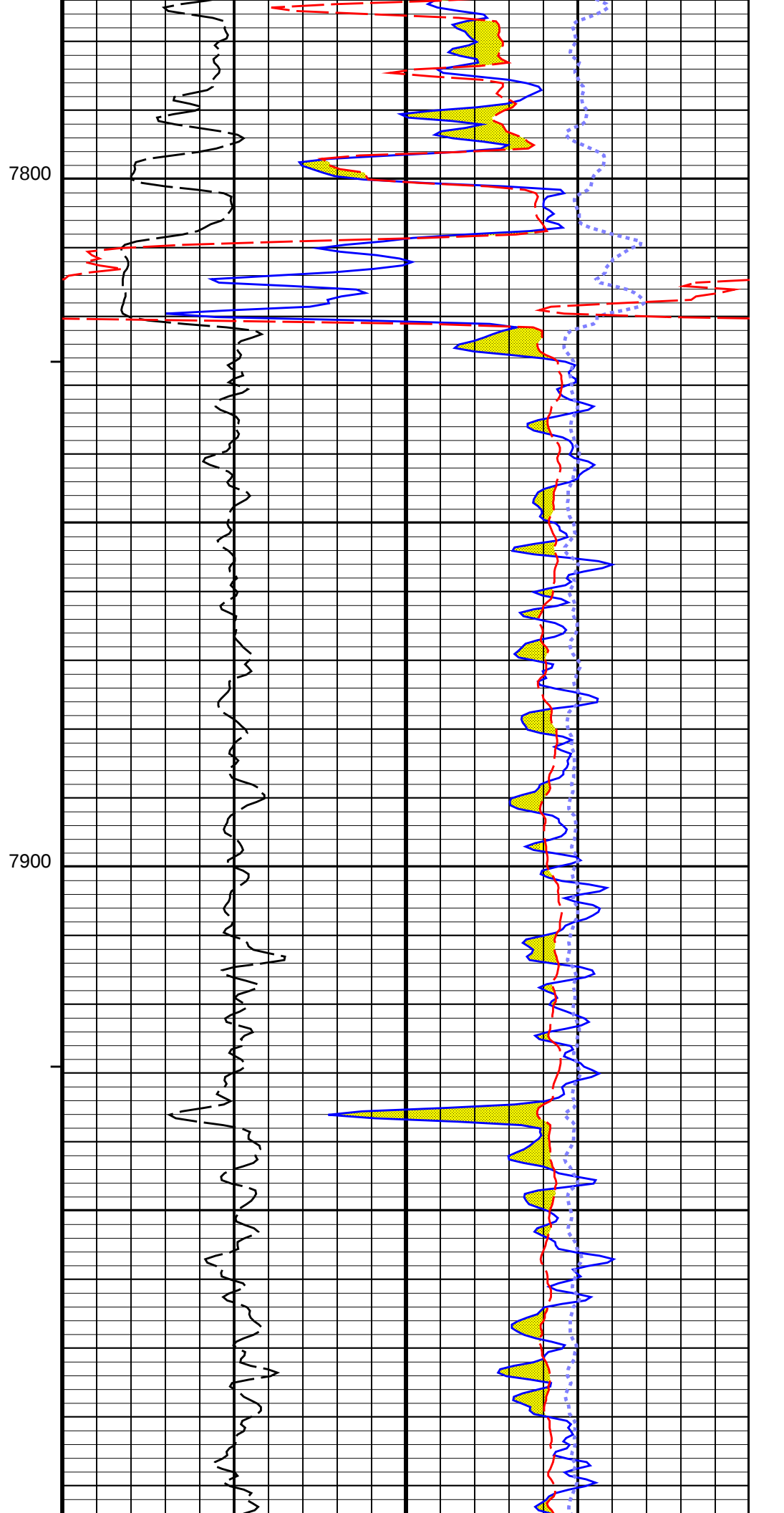
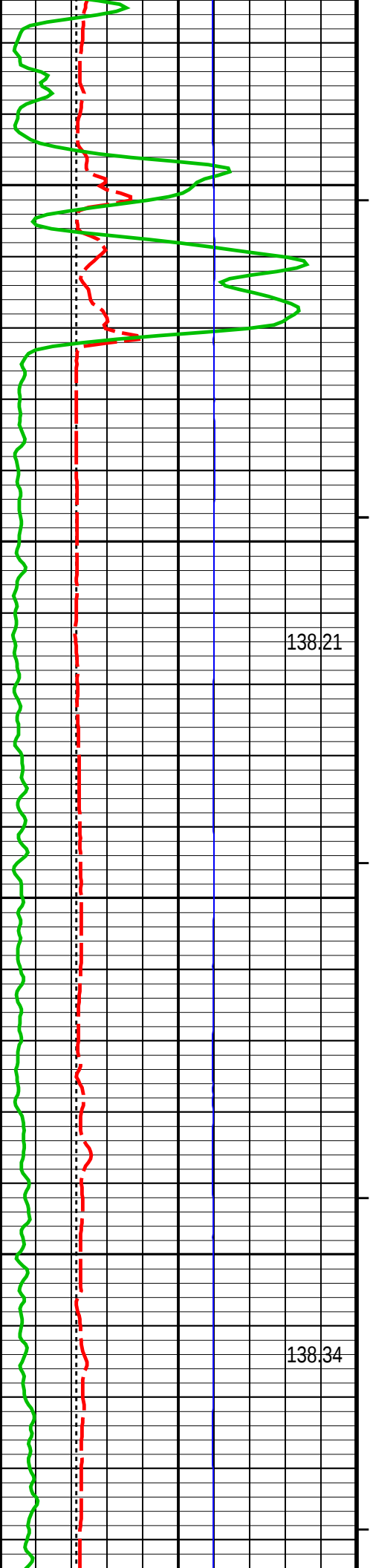


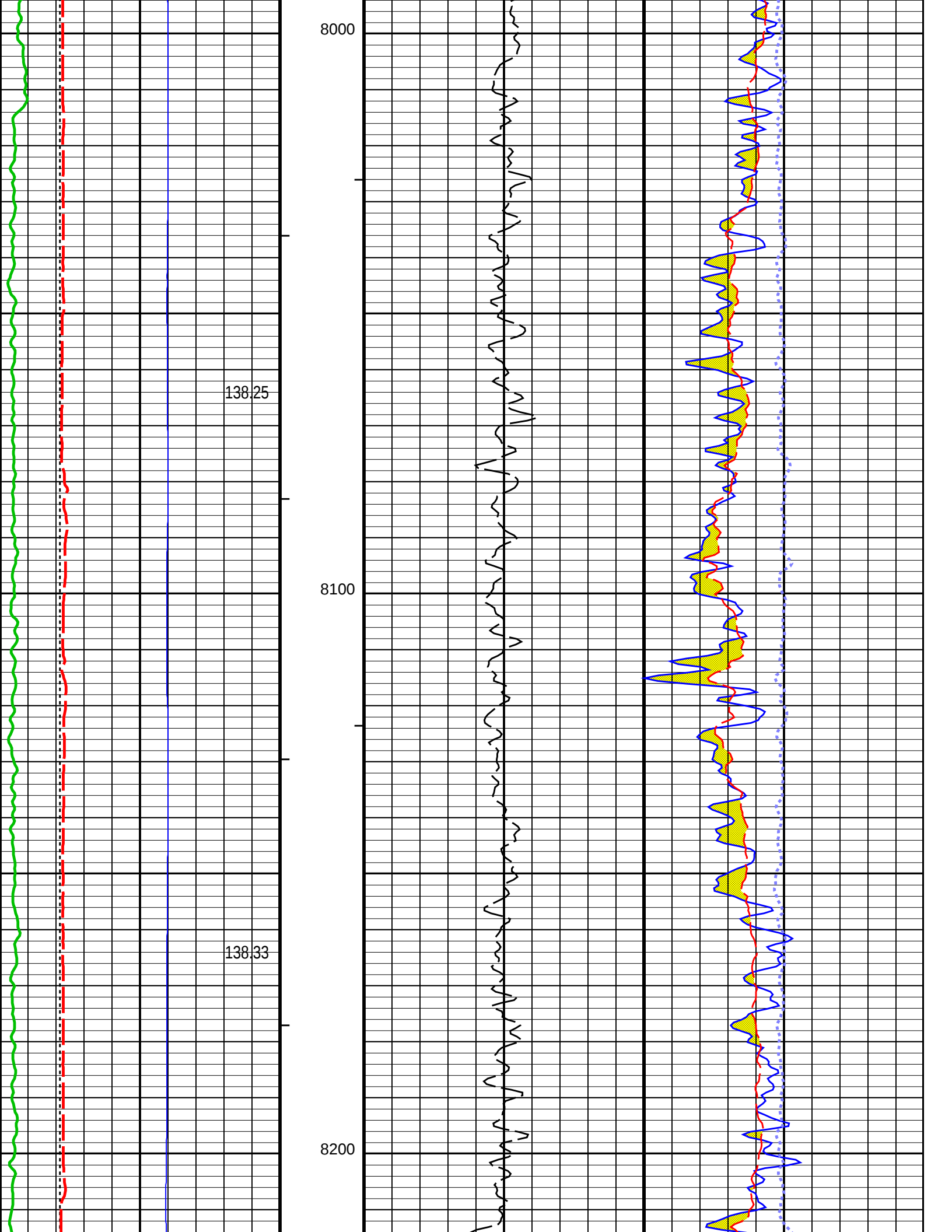


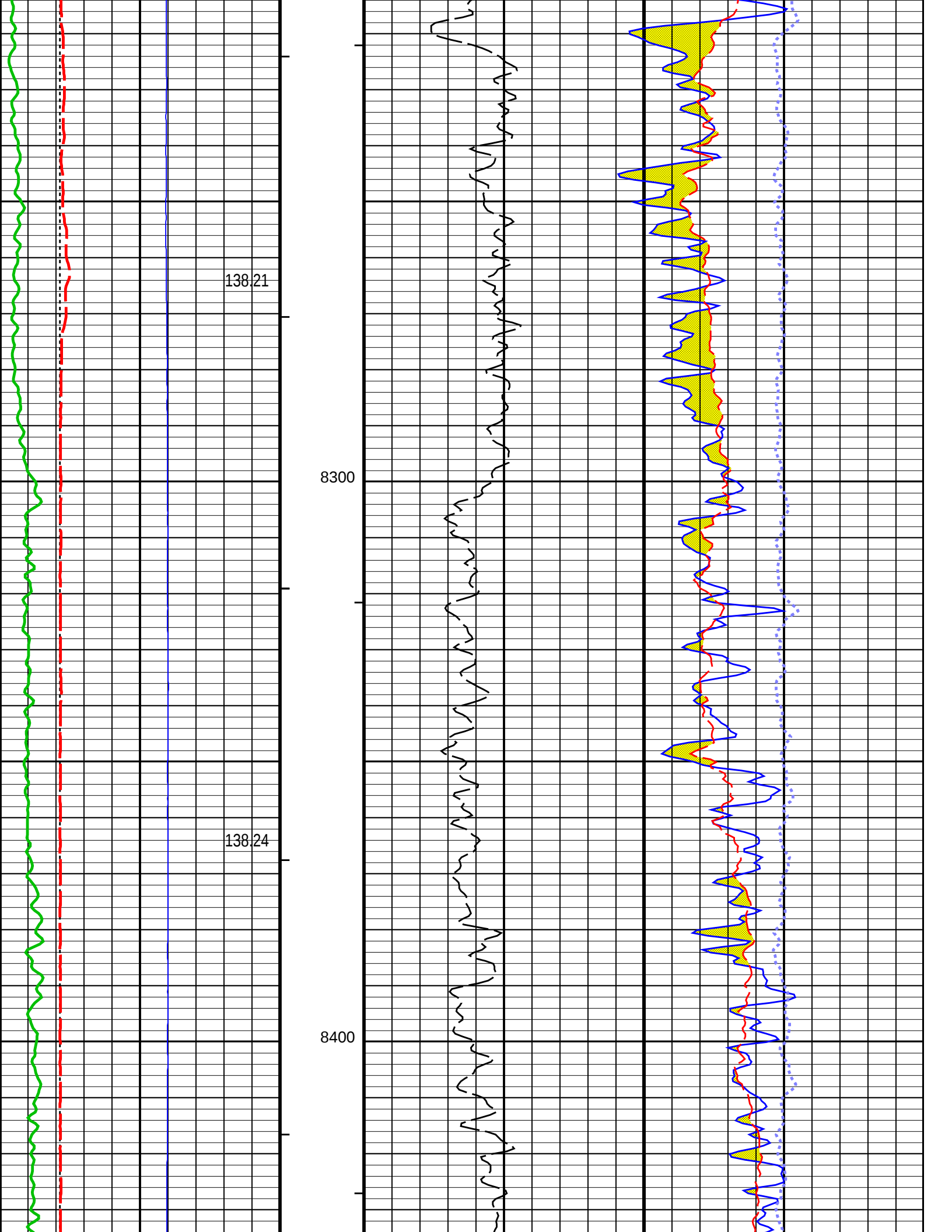


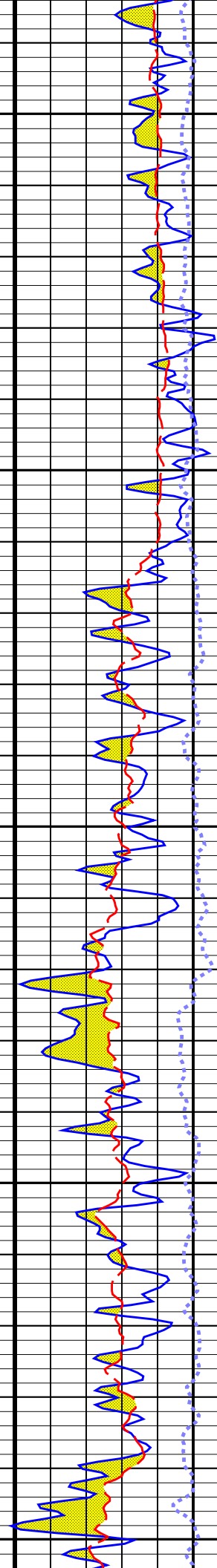
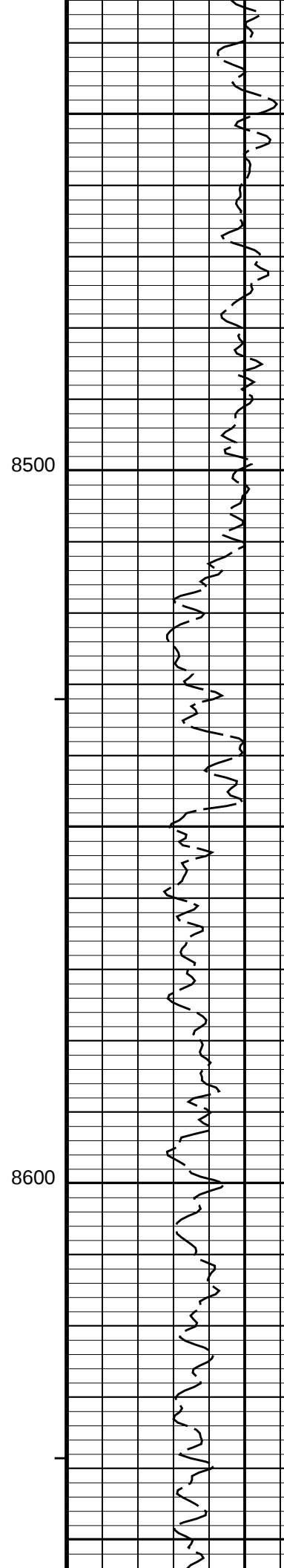
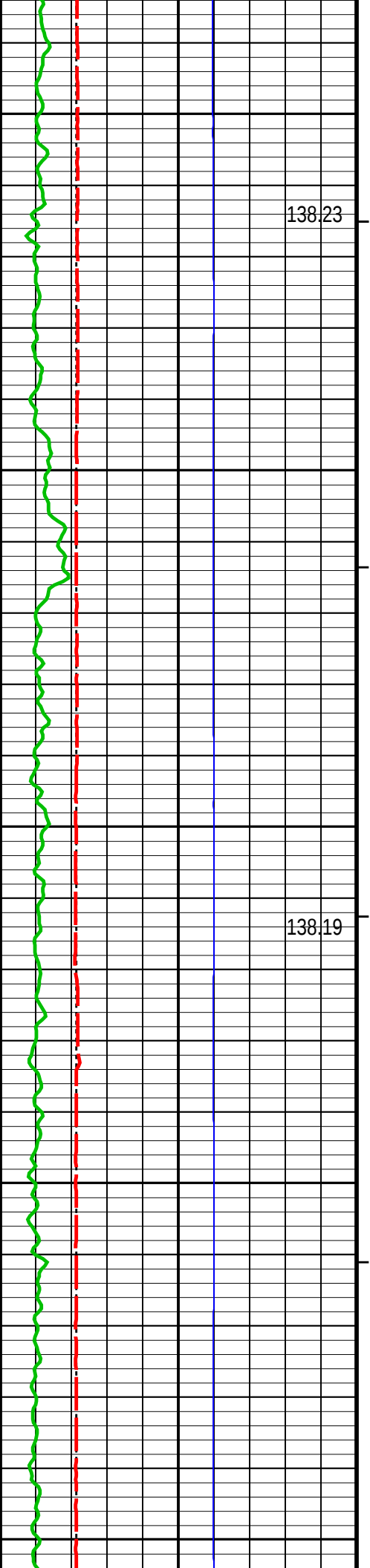


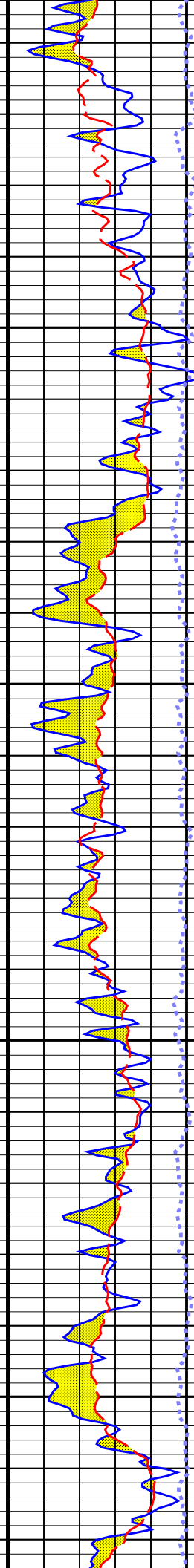
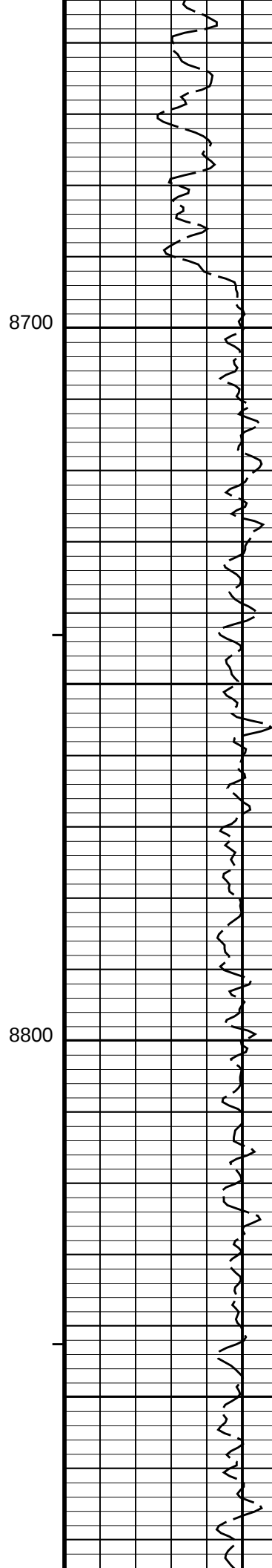
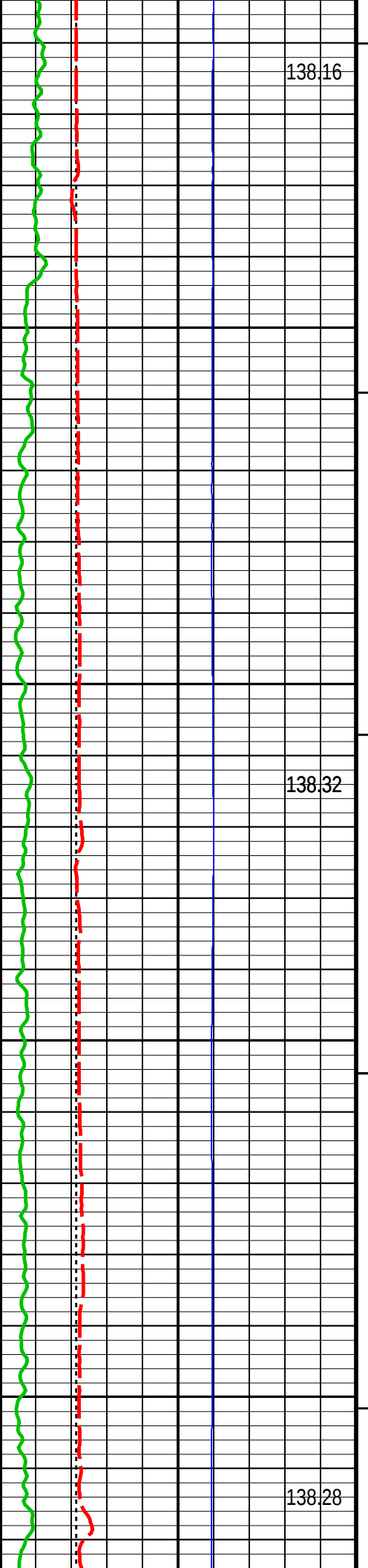


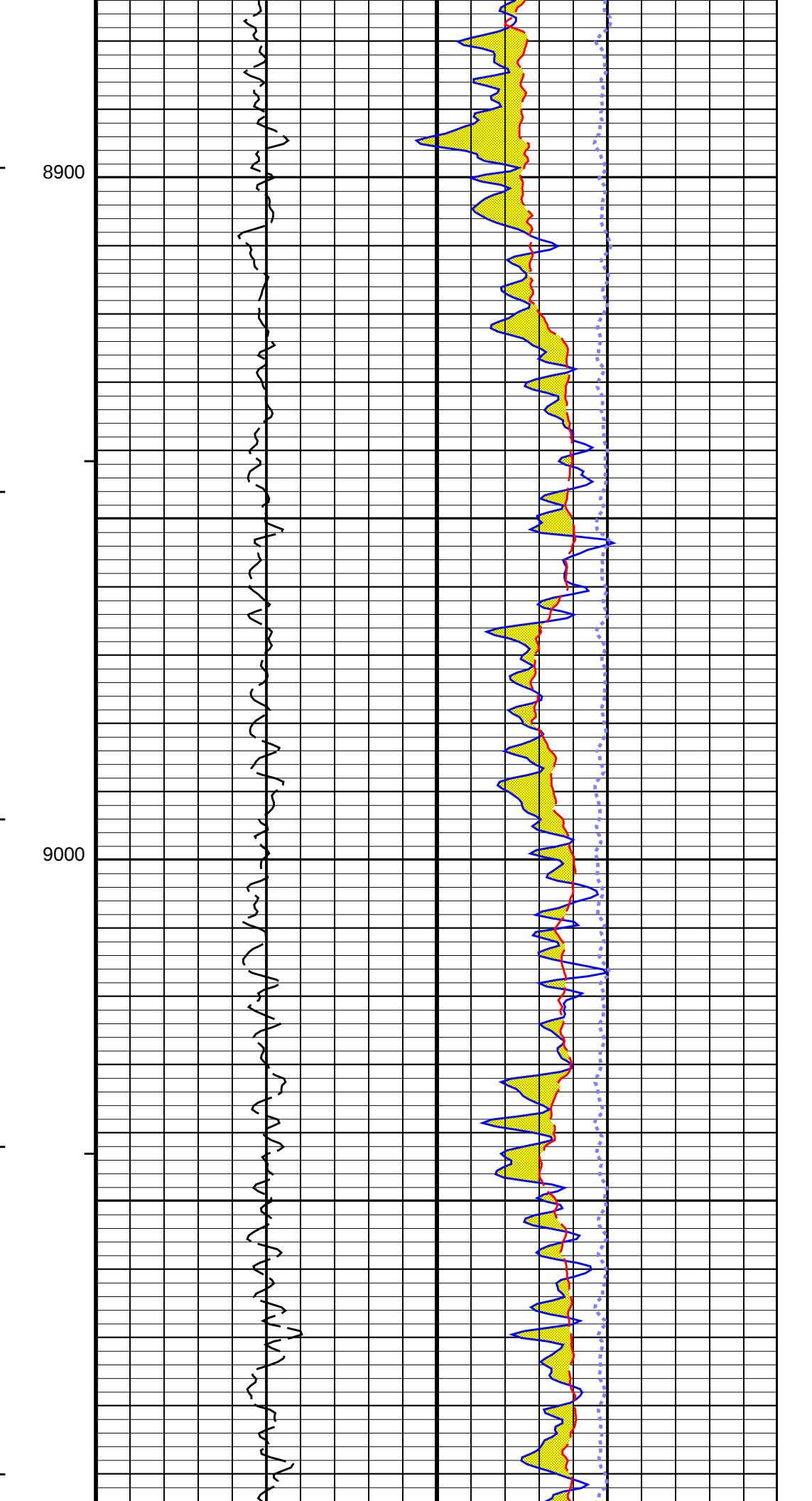
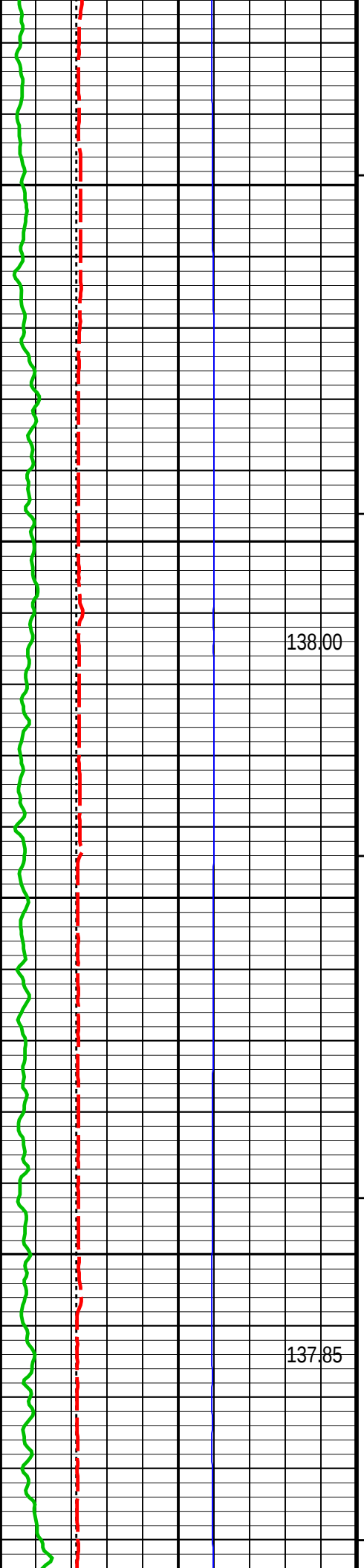


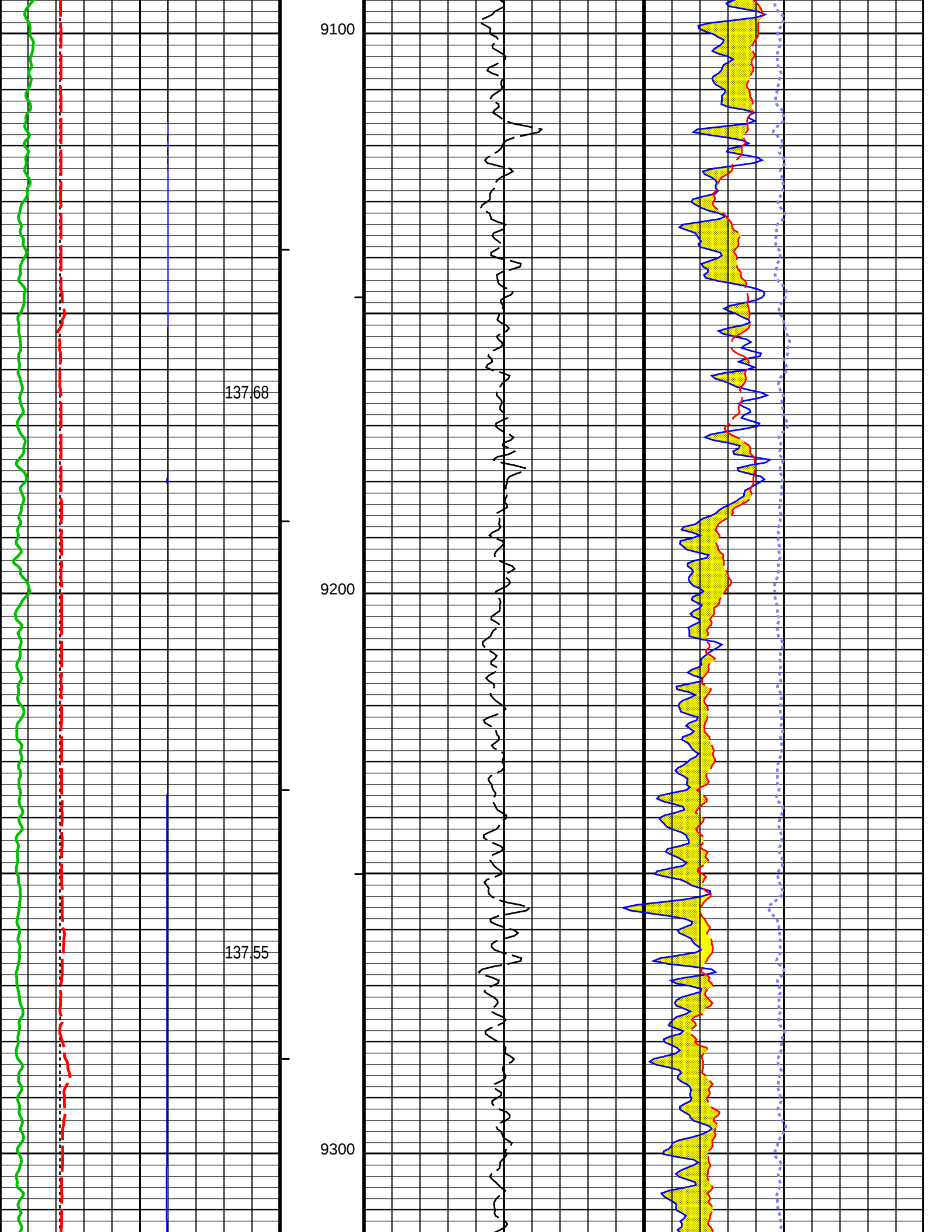


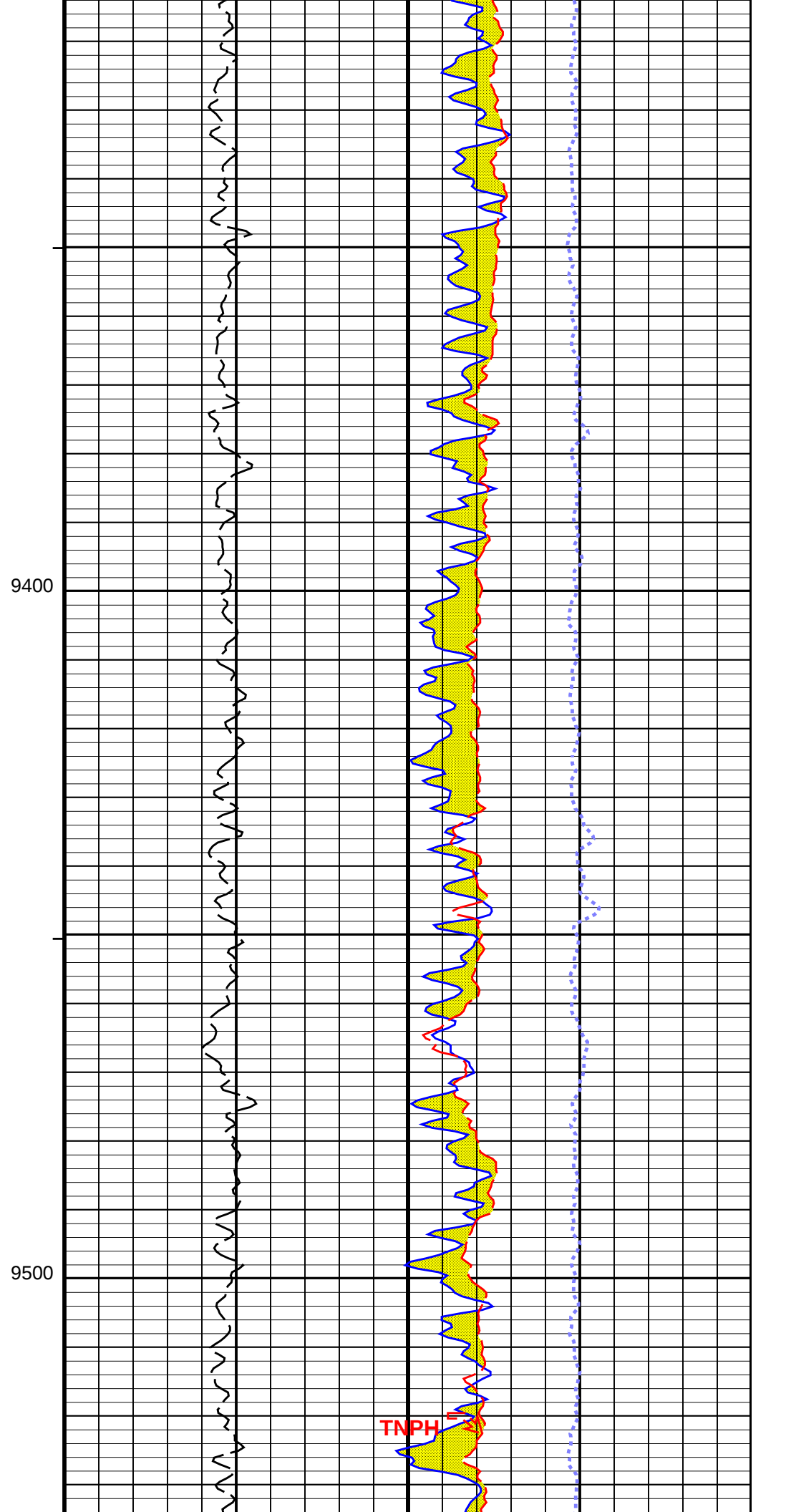
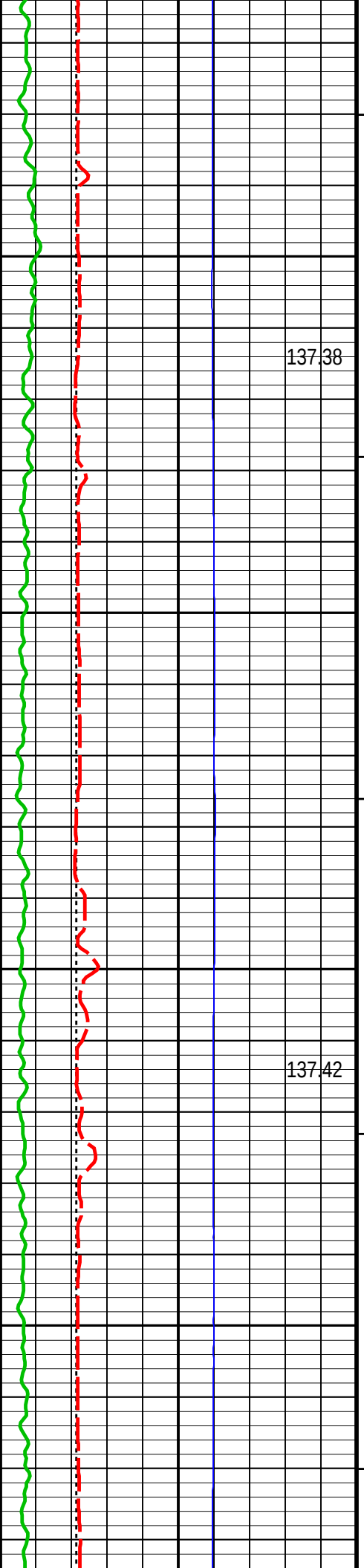


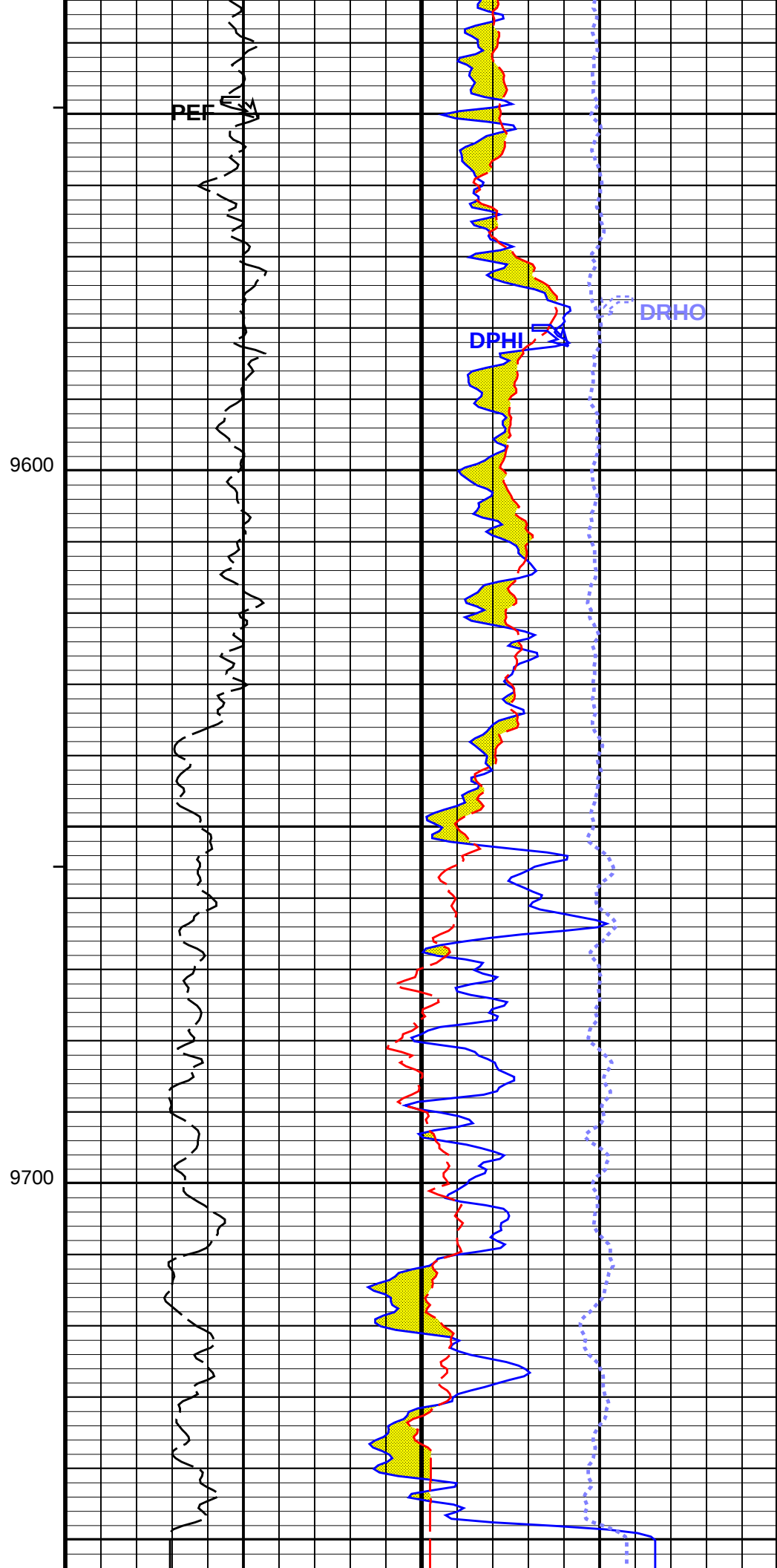
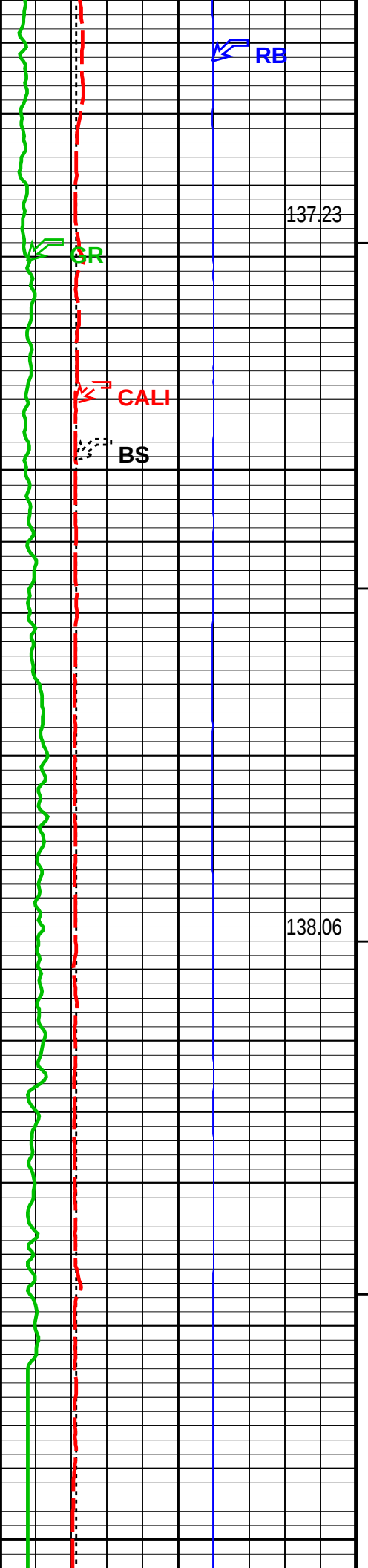












PIP SUMMARY	
└	Integrated Cement Volume Major Pip Every 100 F3
└	Integrated Cement Volume Minor Pip Every 10 F3
└	Integrated Hole Volume Major Pip Every 100 F3
└	Integrated Hole Volume Minor Pip Every 10 F3

DLIS Name	Description	Value
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TBT-A: ThruBit String			
BHS	Borehole Status	OPEN	
CSAL	Cement Salinity	0.000	ppm
CSID	Casing Size I.D.	6.500	in
DHC	Density Hole Correction	CALIPER	
FD	Fluid Density	1.000	g/cm3
FSAL	Formation Salinity	0.000	ppm
FSCO	Formation Salinity Correction Enabled? (for TBN)	NO	
MATR	Rock Matrix for Neutron Porosity Corrections	LIME	
MDEN	Matrix Density	2.710	g/cm3
MT	Mud Type (for TBN and TBI correction)	WBM	
MWCO	Mud-Weight Correction Enabled? (for TBN)	NO	
RB_OFFSET	Additional RB offset (degrees)	0.000	deg
SOCO	Stand-Off Correction Enabled? (for TBN)	NO	
SOFF	TBN Standoff	0.000	in
TBD_CAL_BLOCK	TBD Calibration Block Type	THRUBIT	
TBD_SPIKE_REJECT	TBD Spike Detection Option	CORRECT	
TBD_SPIKE_THRESHOLD	TBD Attenuation Change Threshold for Spike Detection	5.000	%
TBN_BHC_OP	Borehole Correction Option (for TBN)	CALIPER	

TBN_CAL_TANK	TBN Calibration Tank Type	THRUBIT	
TBN_PRES_OP	Pressure Correction Enabled? (for TBN)	NO	
TBN_TEMP_OP	Temperature Correction Enabled? (for TBN)	NO	
TBN_WPRE	Well Pressure (for TBN)	14.696	psi
WMUD	Mud Weight	8.500	lbm/gal
HOLEV: Integrated Hole/Cement Volume			
BHS	Borehole Status	OPEN	
MATR	Rock Matrix for Neutron Porosity Corrections	LIME	
System and Miscellaneous			
BS	Bit Size	6.125	in
BSAL	Borehole Salinity	1400.0	ppm
CSIZ	Current Casing Size	7.000	in

Format: TB_5INCH_NUCLEAR Vertical Scale: 5" per 100' Graphics File Created: 17-Sep-2014 06:55

OP System Version: 19C2-270

TBT SRPC-5303-ThruBit

Input DLIS Files

ThruBit_003PUP

FN:2

17-Sep-2014 06:46 9765.0 FT

2970.0 FT

Schlumberger

CALIBRATIONS

MAXIS Field Log

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 19

TBD - A 46

GGLS - FZ 3216

TBN - A 6

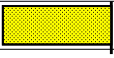
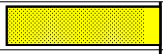
NNLS - EWA 4484

TMG - A 24

TBAT - 35

TBAT - 13

Auxiliary Equipment:

ThruBit String Master Calibration					
TBI Master Calibration Sonde Errors					
Freq 1, A1, R	Value	Nominal	Freq 1, A1, X	Value	Nominal
	-501.175	-457.000		-132.542	300.000
-556.000 (Minimum)	-387.000 (Maximum)		-500.000 (Minimum)	1100.000 (Maximum)	
(Nominal)			(Nominal)		
Freq 1, A2, R	Value	Nominal	Freq 1, A2, X	Value	Nominal
	-151.191	-141.000		16.3318	320.000
-182.000 (Minimum)	-120.000 (Maximum)		-75.0000 (Minimum)	700.000 (Maximum)	
(Nominal)			(Nominal)		
Freq 1, A3, R	Value	Nominal	Freq 1, A3, X	Value	Nominal
	-29.8364	-28.0000		-48.3363	50.0000
-38.0000 (Minimum)	-18.0000 (Maximum)		-375.000 (Minimum)	475.000 (Maximum)	
(Nominal)			(Nominal)		
Freq 1, A4, R	Value	Nominal	Freq 1, A4, X	Value	Nominal
	-17.1567	-16.0000		218.068	300.000
-24.0000 (Minimum)	-8.00000 (Maximum)		25.0000 (Minimum)	575.000 (Maximum)	
(Nominal)			(Nominal)		
Freq 1, A5, R	Value	Nominal	Freq 1, A5, X	Value	Nominal

	Freq 1, A3, R	Value	Nominal		Freq 1, A3, X	Value	Nominal
		-14.2031	-14.0000			114.044	150.000
-21.0000 (Minimum)	(Nominal)	-7.00000 (Maximum)		25.0000 (Minimum)	(Nominal)	300.000 (Maximum)	
	Freq 2, A1, R	Value	Nominal		Freq 2, A1, X	Value	Nominal
		-264.524	-237.000			-117.857	150.000
-313.000 (Minimum)	(Nominal)	-186.000 (Maximum)		-375.000 (Minimum)	(Nominal)	675.000 (Maximum)	
	Freq 2, A2, R	Value	Nominal		Freq 2, A2, X	Value	Nominal
		-97.7719	-92.0000			-18.7953	160.000
-126.000 (Minimum)	(Nominal)	-76.0000 (Maximum)		-100.000 (Minimum)	(Nominal)	425.000 (Maximum)	
	Freq 2, A3, R	Value	Nominal		Freq 2, A3, X	Value	Nominal
		-21.3012	-21.0000			-85.2752	-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
		-19.8394	-20.0000			59.2524	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
		-18.8111	-20.0000			-15.4752	-25.0000
-27.0000 (Minimum)	(Nominal)	-10.0000 (Maximum)		-125.000 (Minimum)	(Nominal)	100.000 (Maximum)	
	Freq 3, A1, R	Value	Nominal		Freq 3, A1, X	Value	Nominal
		-169.026	-149.000			-157.427	25.0000
-213.000 (Minimum)	(Nominal)	-108.000 (Maximum)		-375.000 (Minimum)	(Nominal)	425.000 (Maximum)	
	Freq 3, A2, R	Value	Nominal		Freq 3, A2, X	Value	Nominal
		-74.1193	-70.0000			-56.4180	70.0000
-101.000 (Minimum)	(Nominal)	-57.0000 (Maximum)		-125.000 (Minimum)	(Nominal)	250.000 (Maximum)	
	Freq 3, A3, R	Value	Nominal		Freq 3, A3, X	Value	Nominal
		-17.0567	-17.0000			-122.429	-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
		-21.0103	-22.0000			-47.1540	-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
		-21.0473	-22.0000			-110.211	-110.000
-32.0000 (Minimum)	(Nominal)	-11.0000 (Maximum)		-250.000 (Minimum)	(Nominal)	0 (Maximum)	
	Freq 4, A1, R	Value	Nominal		Freq 4, A1, X	Value	Nominal
		-93.5993	-80.0000			-260.416	-190.000
-128.000 (Minimum)	(Nominal)	-54.0000 (Maximum)		-450.000 (Minimum)	(Nominal)	75.0000 (Maximum)	
	Freq 4, A2, R	Value	Nominal		Freq 4, A2, X	Value	Nominal
		-54.0924	-50.0000			-122.848	-75.0000
-80.0000 (Minimum)	(Nominal)	-41.0000 (Maximum)		-200.000 (Minimum)	(Nominal)	50.0000 (Maximum)	
	Freq 4, A3, R	Value	Nominal		Freq 4, A3, X	Value	Nominal
		-13.7423	-14.0000			-191.764	-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
		-23.8896	-25.0000			-205.910	-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
		-26.3873	-28.0000			-268.933	-300.000
-43.0000 (Minimum)	(Nominal)	-12.0000 (Maximum)		-475.000 (Minimum)	(Nominal)	-100.000 (Maximum)	

ThruBit String Master Calibration						
TBI Master Calibration COMPLEX GAINS						
Freq 1, R	Value	Nominal	Freq 1, X	Value	Nominal	
	1.007	1.000		-0.01592	0	
	0.9934	1.000		0.0002760	0	
	0.9967	1.000		-0.007775	0	
	0.9876	1.000		0.002827	0	
	0.9944	1.000		0.0007001	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	
	1.002	1.000		-0.01924	0	
	0.9876	1.000		-0.007856	0	
	0.9851	1.000		-0.008198	0	
	0.9827	1.000		-0.005510	0	
	0.9920	1.000		-0.008001	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	
	1.009	1.000		-0.01504	0	
	0.9947	1.000		-0.005868	0	
	0.9921	1.000		-0.006617	0	
	0.9884	1.000		-0.004212	0	
	1.001	1.000		-0.006129	0	
0.9500 (Minimum)	(Nominal)	1.050 (Maximum)	-0.05000 (Minimum)	(Nominal)	0.05000 (Maximum)	
Freq 4, R	Value	Nominal	Freq 4, X	Value	Nominal	
	1.006	1.000		-0.02628	0	
	0.9912	1.000		-0.01994	0	
	0.9906	1.000		-0.02261	0	
	0.9848	1.000		-0.01839	0	
	1.010	1.000		-0.02268	0	
0.9300 (Minimum)	(Nominal)	1.070 (Maximum)	-0.05000 (Minimum)	(Nominal)	0.05000 (Maximum)	

Master: 10-Sep-2014 9:33

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
	1880.1	1949.8		2029.0	2096.7		2182.9	2285.7
1799.8 (Minimum)	(Nominal)	2099.8 (Maximum)	1946.7 (Minimum)	(Nominal)	2246.7 (Maximum)	2135.7 (Minimum)	(Nominal)	2435.7 (Maximum)

Master: 28-Aug-2014 15:19

ThruBit String Master Calibration						
TBD Density Master Calibration. Be 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 (Minimum)	(Nominal)	2.657 (Maximum)	1.702 (Minimum)	(Nominal)	1.802 (Maximum)	
LS1 Background CPS	Value	Nominal	SS1 Background CPS	Value	Nominal	
	136.40	140.00		132.05	140.00	
100.00 (Minimum)	(Nominal)	187.00 (Maximum)	100.00 (Minimum)	(Nominal)	185.00 (Maximum)	
LS4 Background CPS	Value	Nominal	SS1 Aluminium CPS	Value	Nominal	
	27.82	29.00		4577.00	4850.00	

20.00 (Minimum)	(Nominal)	38.00 (Maximum)		4076.00 (Minimum)	(Nominal)	5613.00 (Maximum)	
LS1 Aluminium CPS		Value	Nominal	SS1 Magnesium CPS		Value	Nominal
		837.28	870.00			7616.22	8000.00
750.00 (Minimum)	(Nominal)	982.00 (Maximum)		6695.00 (Minimum)	(Nominal)	9269.00 (Maximum)	
LS4 Aluminium CPS		Value	Nominal				
		971.63	955.00				
796.00 (Minimum)	(Nominal)	1169.0 (Maximum)					
LS1 Al + Sleeve CPS		Value	Nominal				
		774.98	725.00				
650.00 (Minimum)	(Nominal)	838.00 (Maximum)					
LS4 Al + Sleeve CPS		Value	Nominal				
		492.05	426.50				
382.00 (Minimum)	(Nominal)	638.00 (Maximum)					
LS1 Magnesium CPS		Value	Nominal				
		5475.24	5800.00				
5158.00 (Minimum)	(Nominal)	6486.00 (Maximum)					
SS Slope		Value	Nominal				
		1.622	1.645				
1.520 (Minimum)	(Nominal)	1.770 (Maximum)					
LS Slope		Value	Nominal				
		0.4180	0.4150				
0.3800 (Minimum)	(Nominal)	0.4500 (Maximum)					
Pef K Factor		Value	Nominal				
		4.925	4.840				
3.510 (Minimum)	(Nominal)	6.170 (Maximum)					
Pef B Factor		Value	Nominal				
		-0.6519	-0.5550				
-0.7000 (Minimum)	(Nominal)	-0.4100 (Maximum)					

Master: 9-Sep-2014 11:14

ThruBit String Master Calibration						
Thermal Neutron Master Calibration						
TNF, Background CPS		Value	Nominal	TNN, Background CPS		
		0.10	1.0			
0 (Minimum)	(Nominal)	2.0 (Maximum)		0 (Minimum)	(Nominal)	2.0 (Maximum)
TNF, Tank CPS		Value	Nominal	TNN, Tank CPS		
		89.88	96.00			
25.00 (Minimum)	(Nominal)	200.0 (Maximum)		750.00 (Minimum)	(Nominal)	5700.0 (Maximum)
TNF, Tank + Al Sleeve CPS		Value	Nominal	TNN, Tank + Al Sleeve CPS		
		2891.4	3040.0			
727.00 (Minimum)	(Nominal)	6080.0 (Maximum)		8000.00 (Minimum)	(Nominal)	64700.0 (Maximum)
Tank + Al Sleeve Ratio		Value	Nominal	Tank + Al Sleeve Porosity PU		
		11.019	10.797			
10.300 (Minimum)	(Nominal)	11.300 (Maximum)		13.40 (Minimum)	(Nominal)	15.40 (Maximum)
Tank, Ratio		Value	Nominal	Tank, Temperature DEGF		
		29.321	30.958			
28.000 (Minimum)	(Nominal)	34.000 (Maximum)		20.0 (Minimum)	(Nominal)	120 (Maximum)
Master: 3-Sep-2014 11:05						

Master: 3-Sep-2014 11:05

ThruBit String Master Calibration					
TMG Accelerometer Calibration					
Minimum Ax, m/s2		Value	Nominal	Maximum Ax, m/s2	
NOT DONE		N/A	-9.810	NOT DONE	
-10.81 (Minimum)	(Nominal)	-8.810 (Maximum)		8.810 (Minimum)	10.81 (Maximum)
Minimum Ay, m/s2		Value	Nominal	Maximum Ay, m/s2	
NOT DONE		N/A	-9.810	NOT DONE	
-10.81 (Minimum)	(Nominal)	-8.810 (Maximum)		8.810 (Minimum)	10.81 (Maximum)
Minimum Az, m/s2		Value	Nominal	Maximum Az, m/s2	
NOT DONE		N/A	0	NOT DONE	
-1.000 (Minimum)	(Nominal)	1.000 (Maximum)		8.810 (Minimum)	10.81 (Maximum)
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	
		27.12	30.00		
0 (Minimum)	(Nominal)	120.0 (Maximum)		128.0 (Minimum)	192.0 (Maximum)
Master: 14-Aug-2014 13:55					

Company: **SANDRIDGE ENERGY**

Schlumberger

Well: **RANDY 3508 2-3H 1L**

Field: **BOUSE**

County: **HARPER**

State: **KANSAS**

SPECTRAL DENSITY
DUAL SPACED NEUTRON
MEMORY LOG