



Company: SANDRIDGE ENERGY

Well: HENRY 3306 2-2H

Field: STOHRVILLE

County: HARPER

State: KANSAS

**DUAL SPACED NEUTRON  
SPECTRAL DENSITY  
MEMORY LOG**

County: HARPER  
Field: STOHRVILLE  
Location: SHL: 265' FNL & 1140' FEL  
Well: HENRY 3306 2-2H  
Company: SANDRIDGE ENERGY

LOCATION		SHL: 265' FNL & 1140' FEL		Elev.: K.B. 1352.00 ft	
PBHL: 330' FNL & 1060' FEL				G.L. 1334.00 ft	
		D.F. 1352.00 ft			
Permanent Datum:		GROUND LEVEL		Elev.: 1334.00 ft	
Log Measured From:		K.B.		18.00 ft above Perm. Datum	
Drilling Measured From:		K.B.			
API Serial No. 15077220200000		Section 2		Township 33S	
				Range 6W	

Logging Date	Run 1	Run 2	Run
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			
RM @ MRT			
Maximum Recorded Temperatures			
Circulation Stopped			
Logger On Bottom			
Unit Number			
Recorded By			
Witnessed By			

Logging Date	23-Mar-2014
Run Number	ONE
Depth Driller	9300 ft
Schlumberger Depth	9224 ft
Bottom Log Interval	9207 ft
Top Log Interval	5120 ft
Casing Driller Size @ Depth	7.000 in @ 5127 ft
Casing Schlumberger	5120 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	0.190 ohm.m @ 65 degF
RMF @ Measured Temperature	0.140 ohm.m @ 65 degF
RMC @ Measured Temperature	0.240 ohm.m @ 65 degF
Source RMF	CALCULATED
RM @ MRT	0.119 @ 108
Maximum Recorded Temperatures	108 degF
Circulation Stopped	23-Mar-2014 16:00
Logger On Bottom	23-Mar-2014 17:15
Unit Number	11 OKC, OK
Recorded By	DENGLER
Witnessed By	CLAUDE HALLMARK

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	
RM @ MRT	
Maximum Recorded Temperatures	
Circulation Stopped	
Logger On Bottom	
Unit Number	
Recorded By	
Witnessed By	

**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: THRU BIT  
 OS2: PORTAL BIT  
 OS3:  
 OS4:  
 OS5:

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

**REMARKS: RUN NUMBER 1**  
 SERVICE: HORIZONTAL MEMORY PUMP DOWN- BIT DEPTH 9159' LOGGED TO 5120'  
 ALL SCALES AND PRESENTATIONS PER CLIENT REQUEST  
 LIMESTONE POROSITY, 2.71 G/CC USED FOR POROSITY CALCULATIONS  
 LOG RAN WITH SWIVEL, DECENTRALIZER AND NO STANDOFFS  
 TBHV REPRESENTS TOTAL BOREHOLE VOLUME, FT3  
 ABHV REPRESENTS ANNULAR BOREHOLE VOLUME, FT3, CALCULATED FOR 4.5" CASING  
 HSPM AND RIGSENSE USED TO CREATE DEPTH LOG  
 LOG DEPTH CORRELATED TO MWD LOG PROVIDED BY CUSTOMER  
 RIG: LARIAT 45  
 CREW: J. DENGLER, Z. HOWARD, E. PRICE  
 LOG RAN WITH NO RETURNS

**REMARKS: RUN NUMBER 2**

RUN 1		
SERVICE ORDER #:	2688	
PROGRAM VERSION:	19C2-270	
FLUID LEVEL:	0 ft	
LOGGED INTERVAL	START	STOP

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

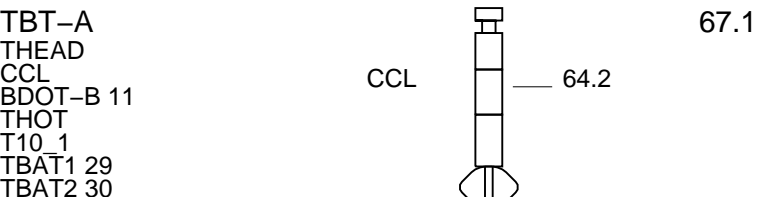
## EQUIPMENT DESCRIPTION

RUN 1

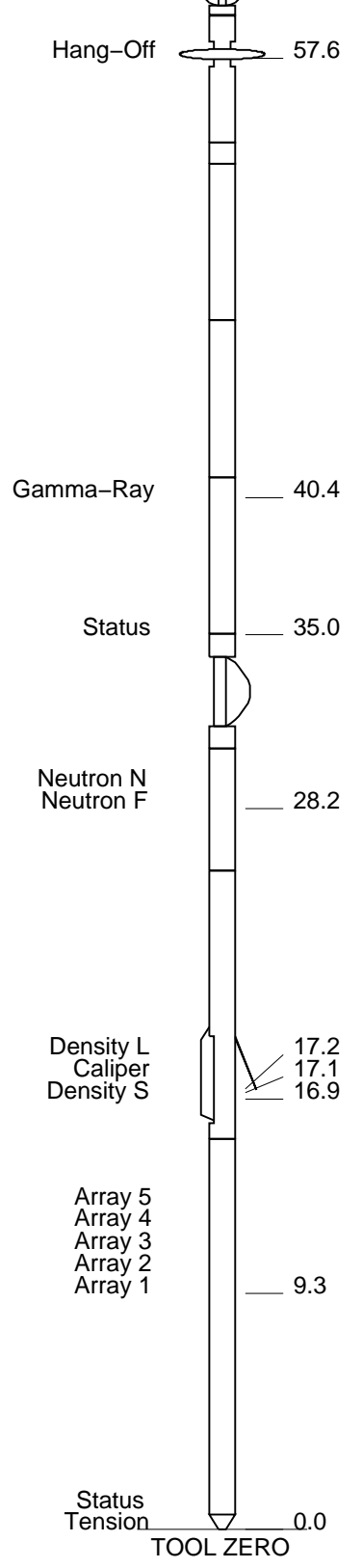
**SURFACE EQUIPMENT**  
 WITM (ThruBit)

RUN 2

DOWNHOLE EQUIPMENT



TMG-A 39  
TBEX-A 42  
TBN-A 27  
NNLS-EWA 3754  
TBD-A 24  
GGLS-FZ 3351  
TBI-A 23



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: HENRY 3306 2-2H

Input DLIS Files

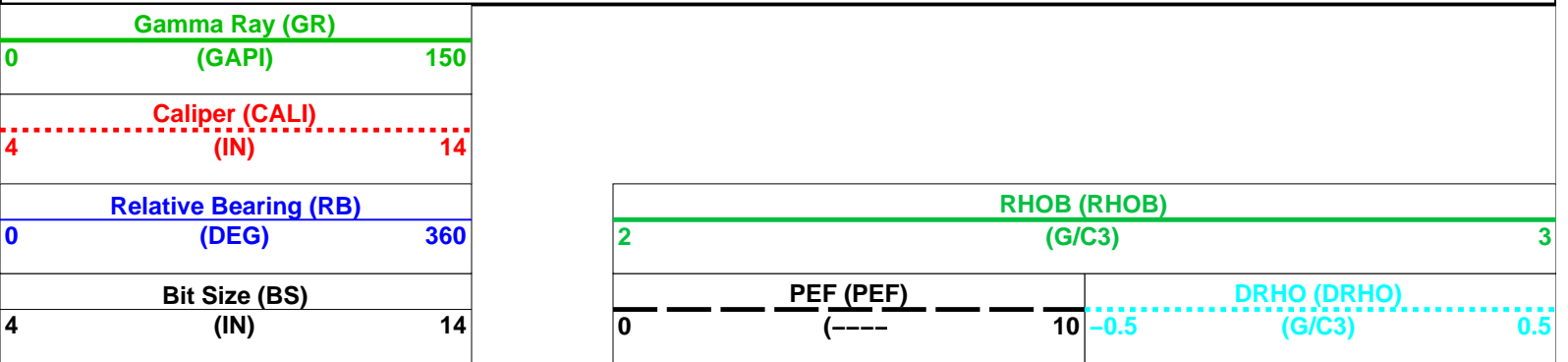
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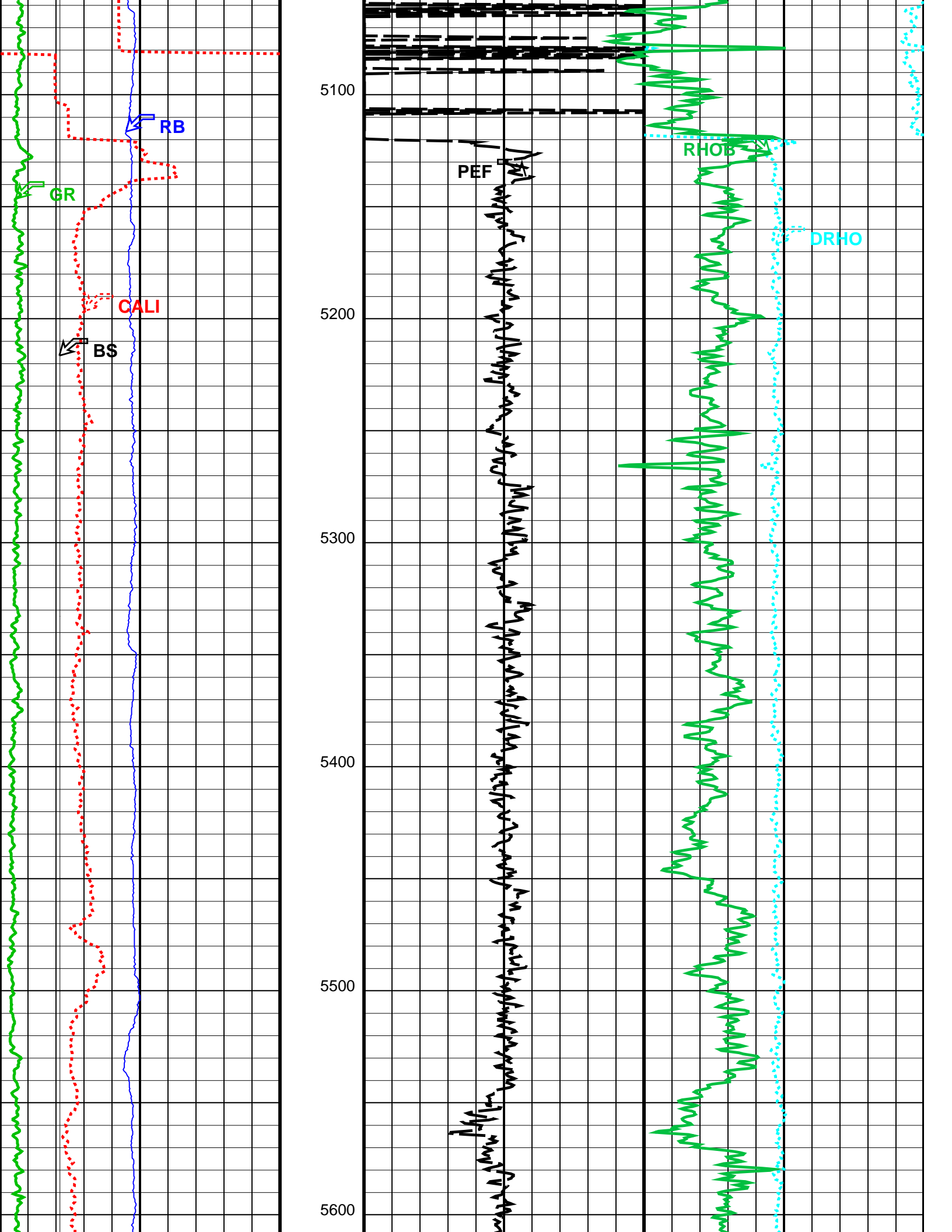
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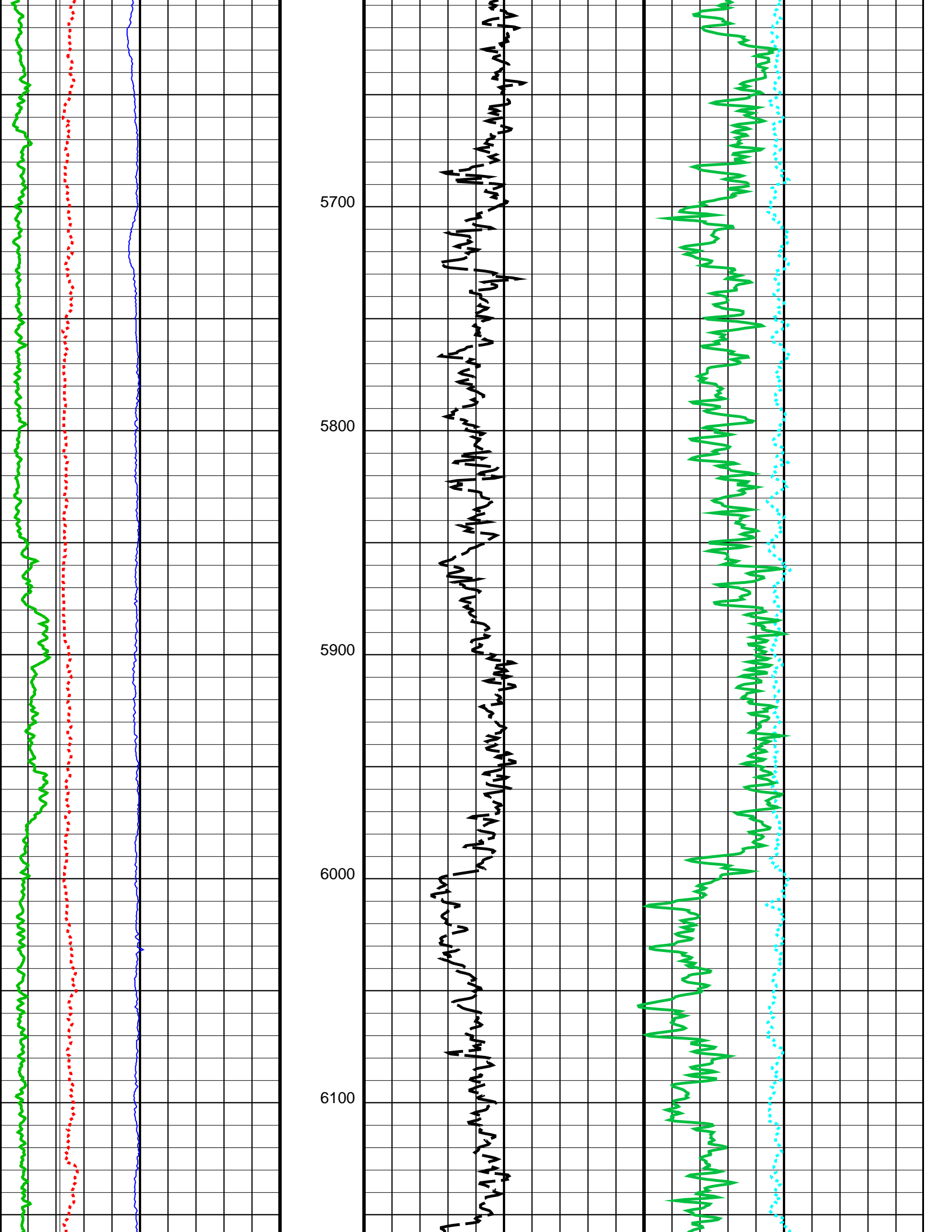
TBT .012 FN:11 24-Mar-2014 01:47 9224.0 FT 5044.0 FT

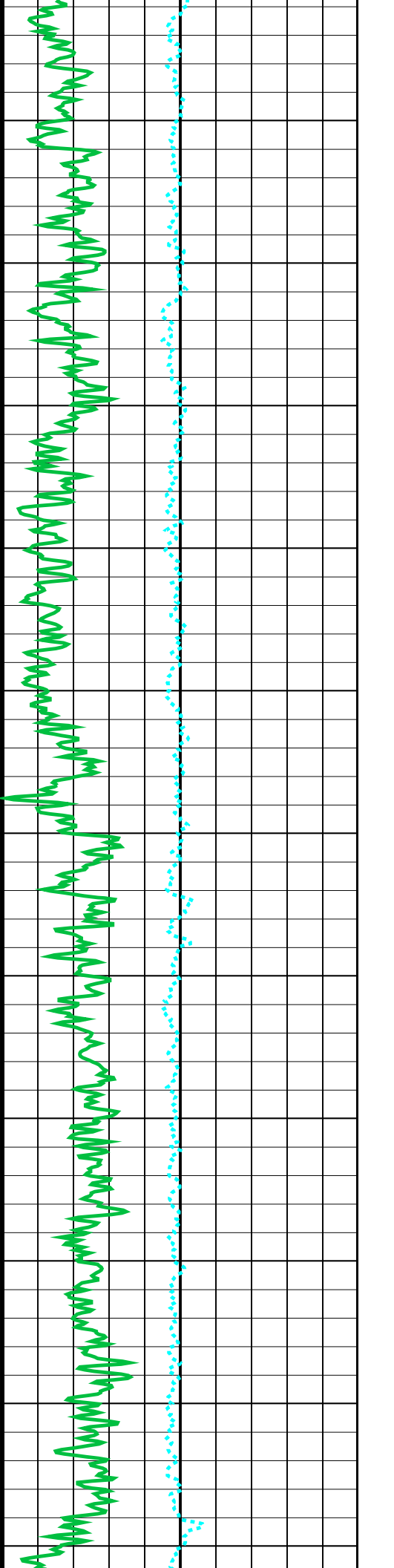
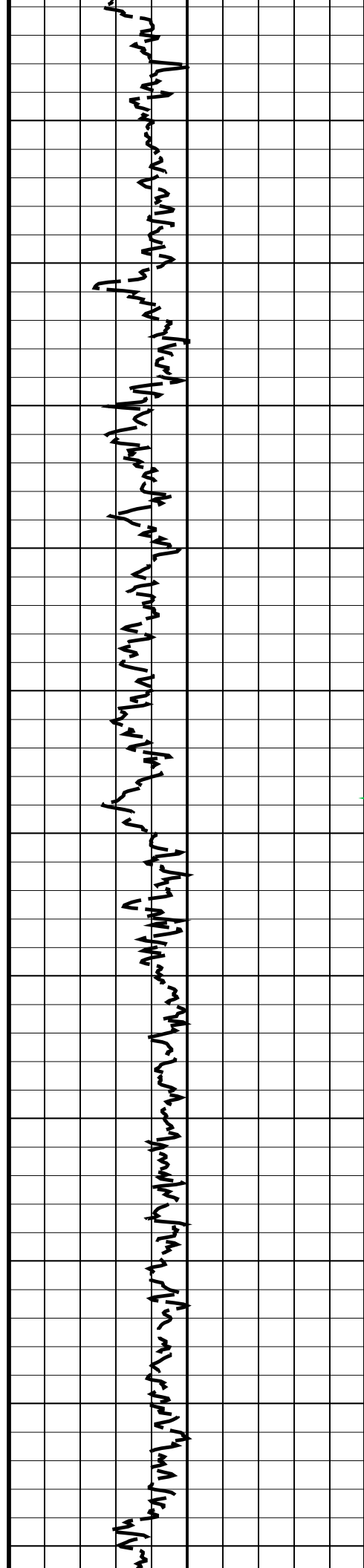
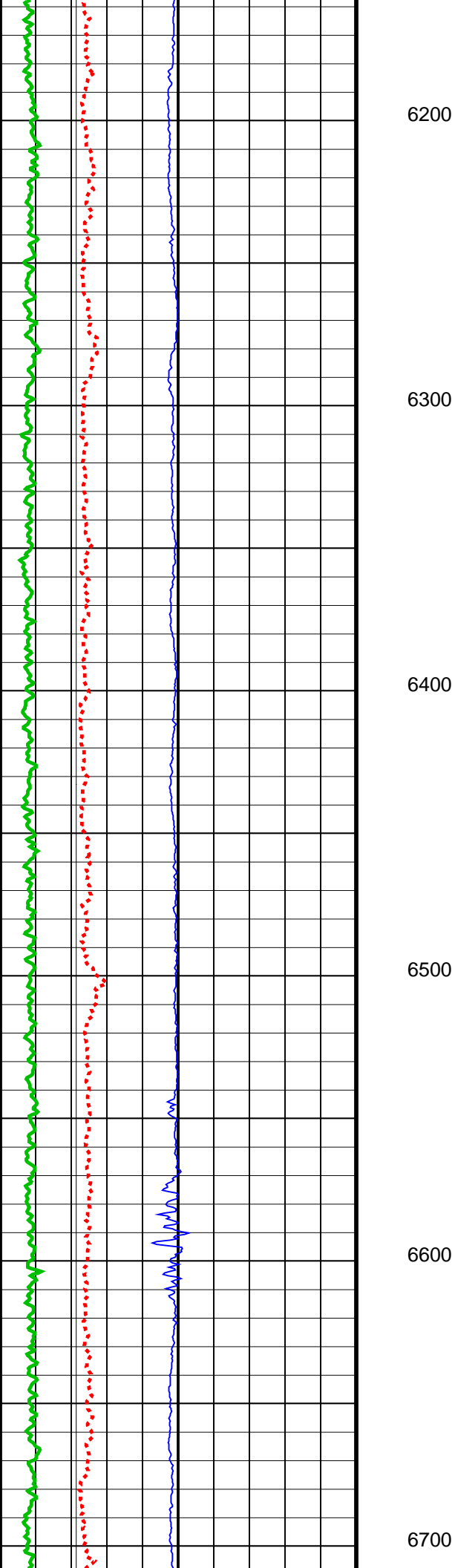
OP System Version: 19C2-270

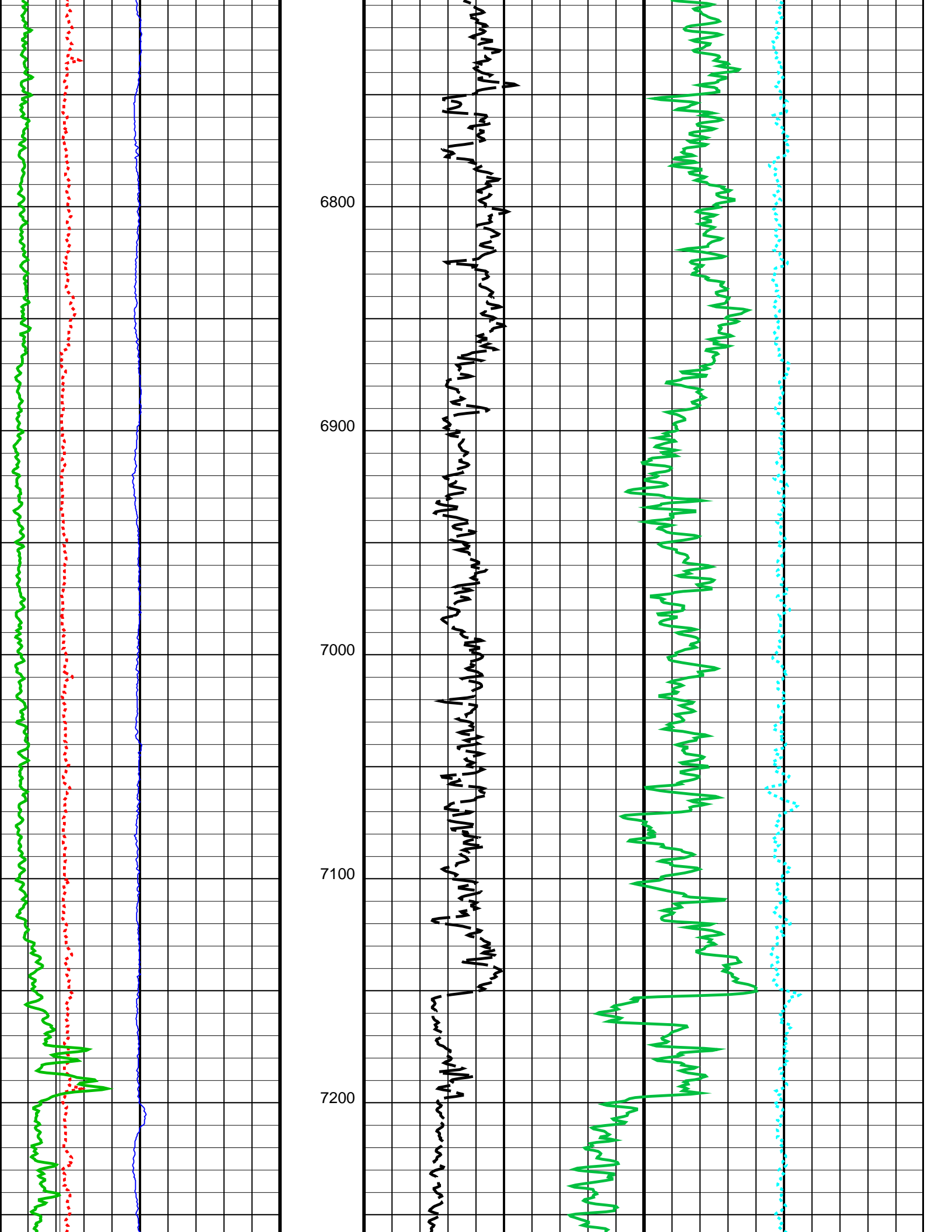
TBT SRPC-5292-ThruBit\_RevA



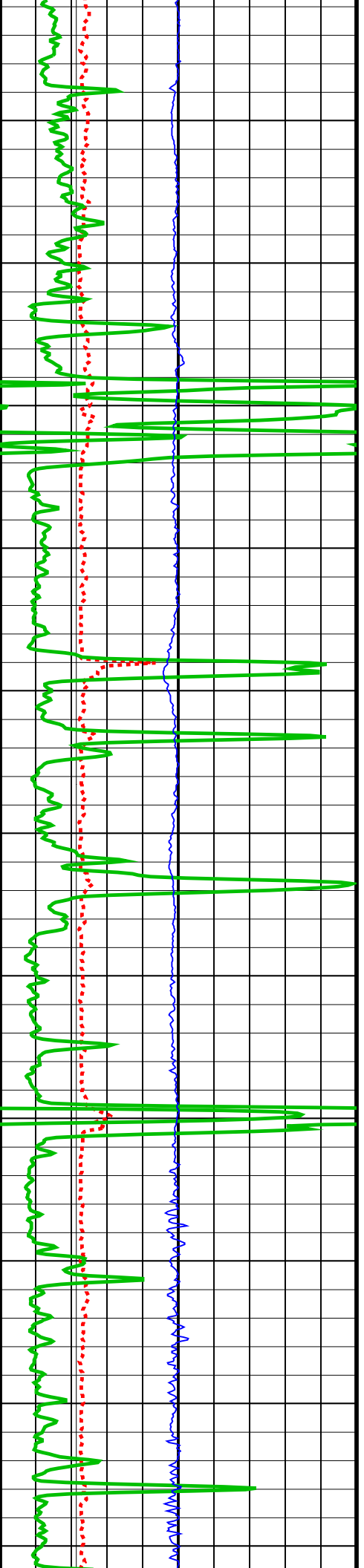




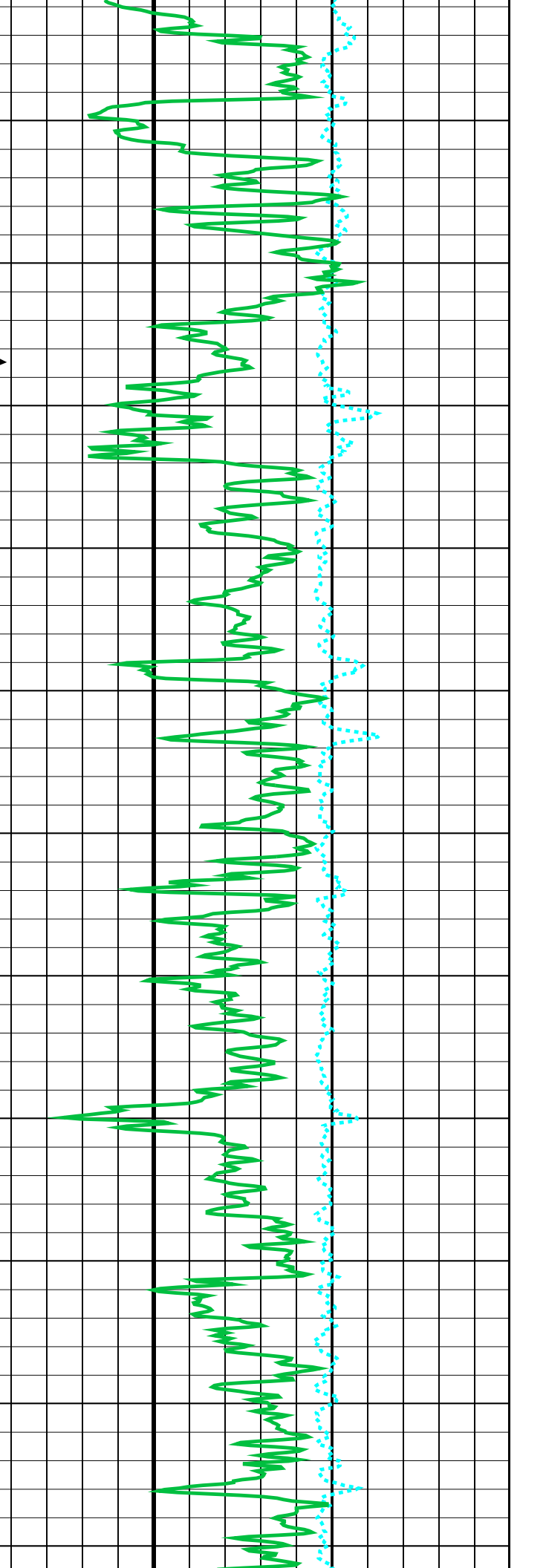
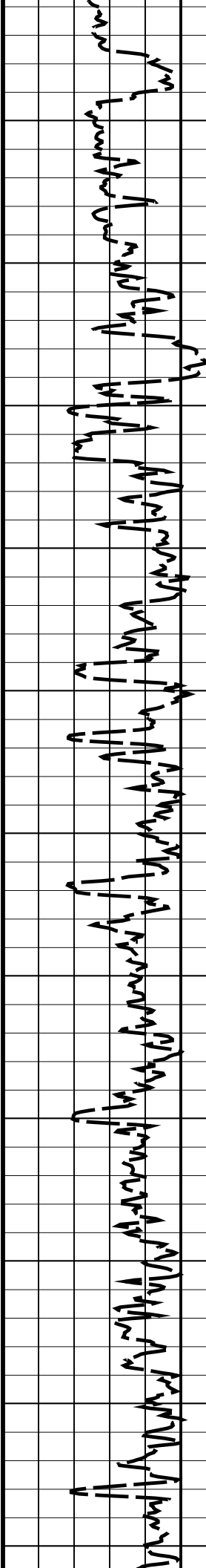


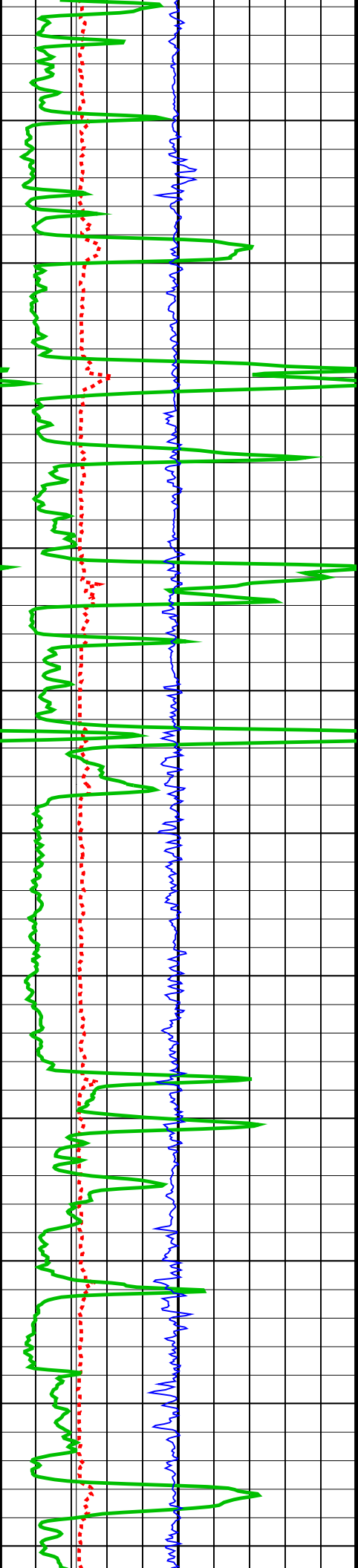




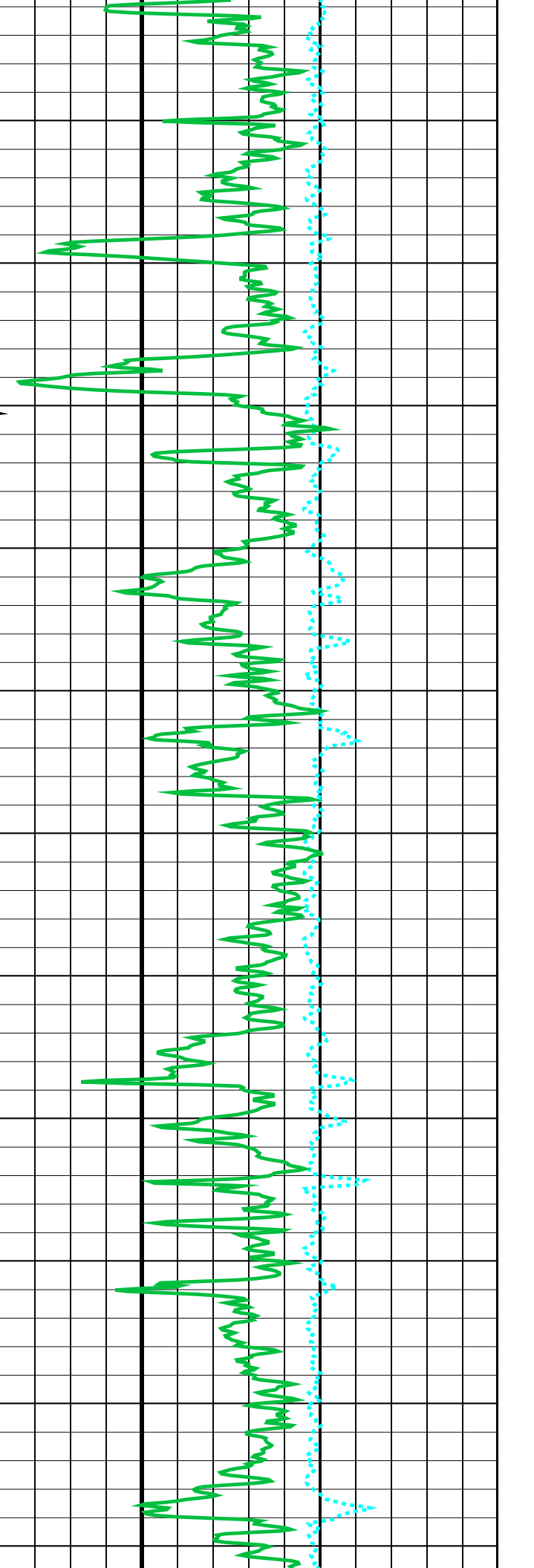
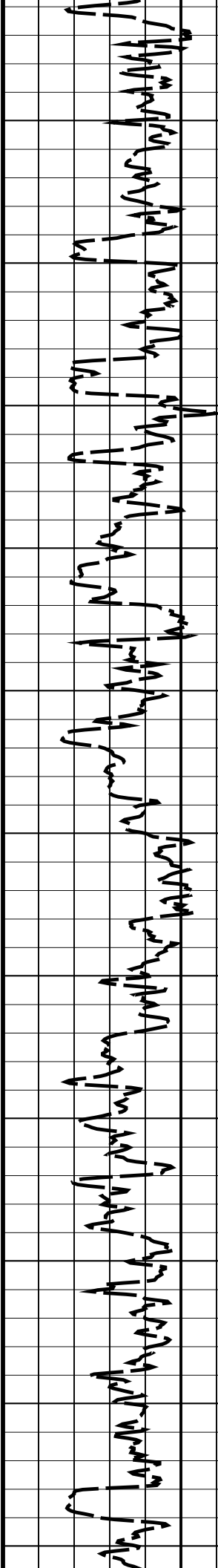


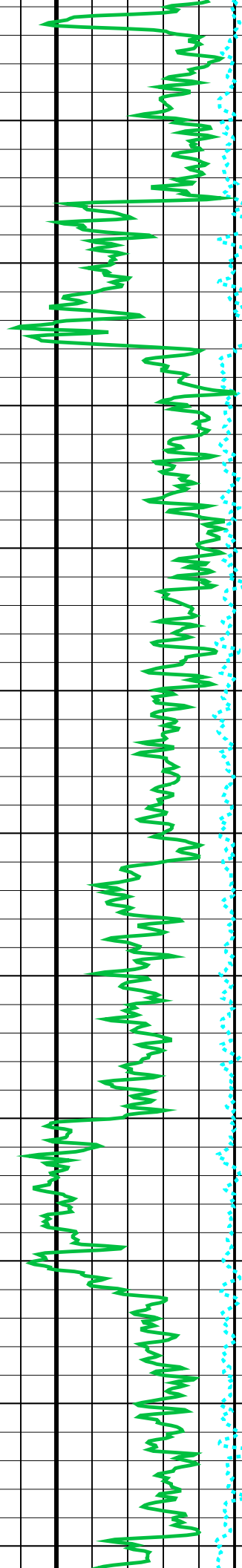
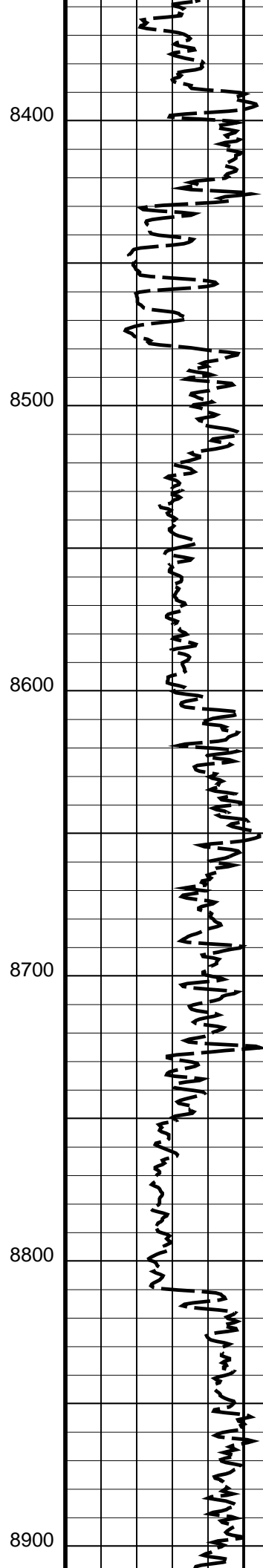
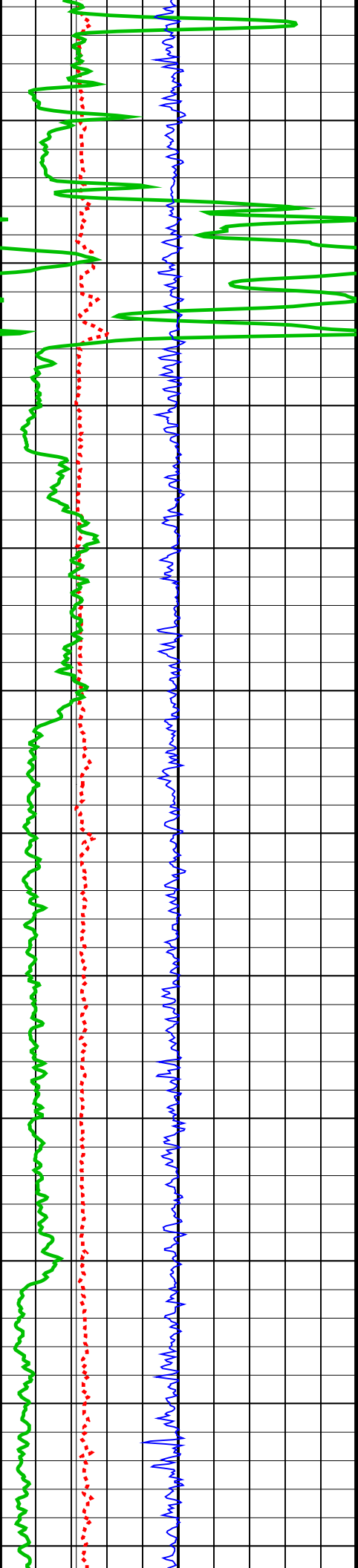
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7500  
7600  
7700  
7800

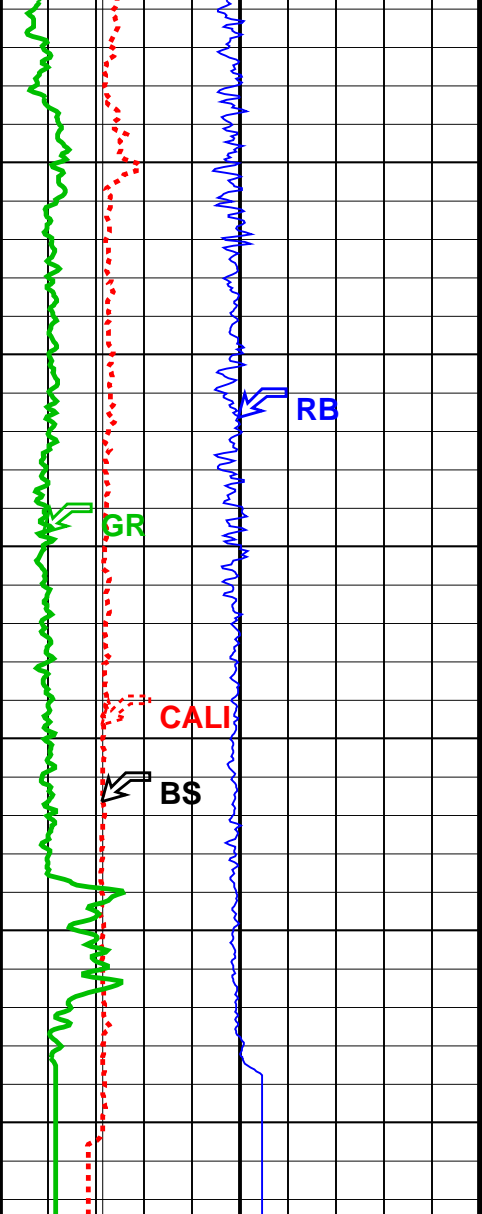




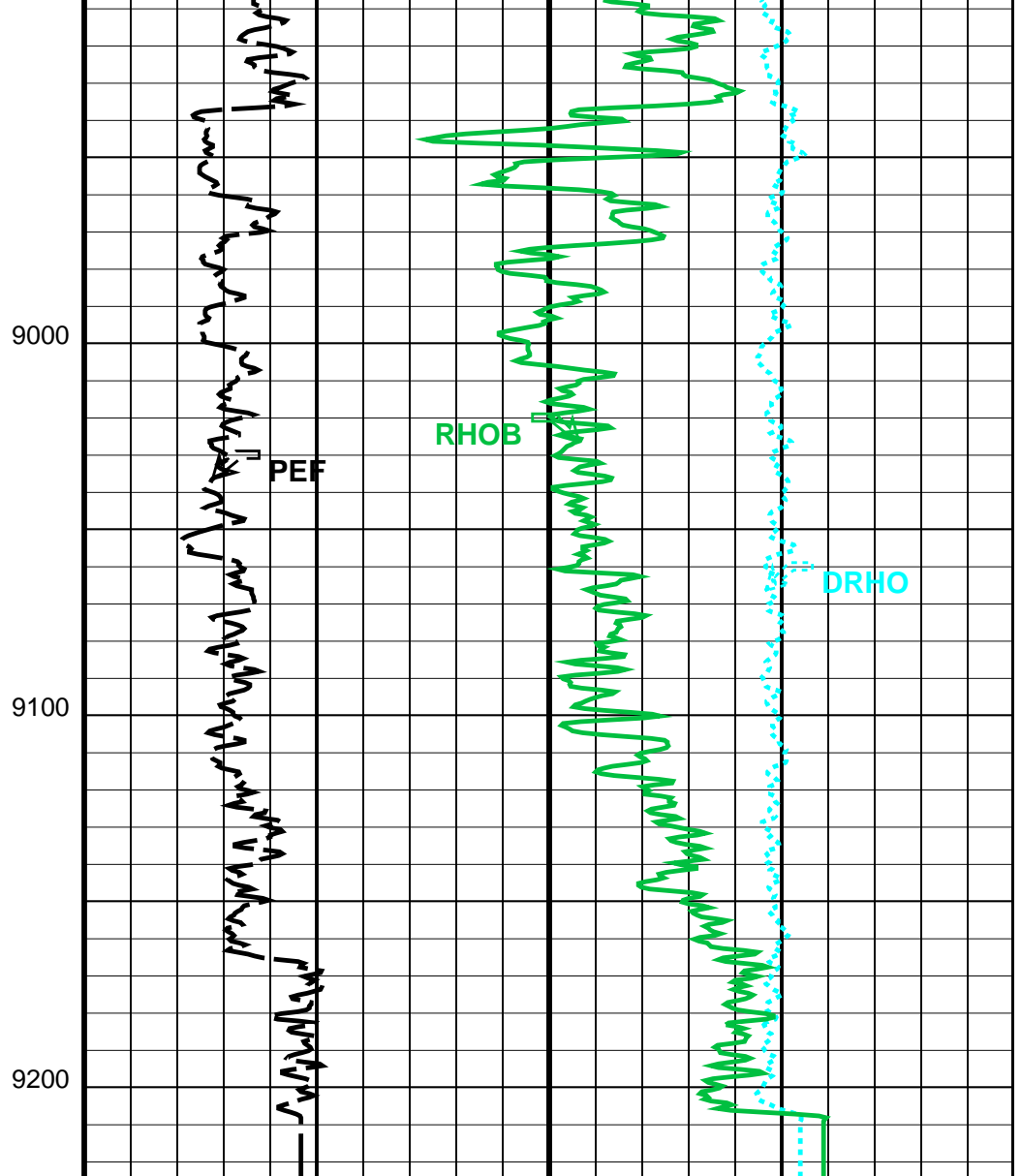
7900  
8000  
8100  
8200  
8300







Bit Size (BS)	(IN)	4	14
Relative Bearing (RB)	(DEG)	0	360
Caliper (CALI)	(IN)	4	14
Gamma Ray (GR)	(GAPI)	0	150



PEF (PEF)	(----	0	10
RHOB (RHOB)	(G/C3)	-0.5	0.5
DRHO (DRHO)	(G/C3)	0	10

### Parameters

DLIS Name	Description	Value
TBT-A: ThruBit String		
DHC	Density Hole Correction	BS
RB_OFFSET	Additional RB offset (degrees)	0.000 deg
TBD_CAL_BLOCK	TBD Calibration Block Type	THRUBIT
TBD_SPIKE_REJECT	TBD Spike Detection Option	DETECT
TBD_SPIKE_THRESHOLD	TBD Attenuation Change Threshold for Spike Detection	5.000 %
WMUD	Mud Weight	8.400 lbm/gal
System and Miscellaneous		
BS	Bit Size	6.125 in

Format: TB\_2INCH\_NUCLEAR Vertical Scale: 2" per 100' Graphics File Created: 24-Mar-2014 01:48

OP System Version: 19C2-270

<b>Input DLIS Files</b>					
DEFAULT	ThruBit_010PUP	FN:9	PRODUCER	24-Mar-2014 01:39	9224.0 FT 2588.0 FT
<b>Output DLIS Files</b>					
	TBT .012	FN:11		24-Mar-2014 01:47	



## MAIN PASS

MAXIS Field Log

Company: SANDRIDGE ENERGY Well: HENRY 3306 2-2H

<b>Input DLIS Files</b>					
DEFAULT	ThruBit_010PUP	FN:9	PRODUCER	24-Mar-2014 01:39	9224.0 FT 2588.0 FT
<b>Output DLIS Files</b>					
	TBT .013	FN:12		24-Mar-2014 01:49	9224.0 FT 2587.8 FT

### Integrated Hole/Cement Volume Summary

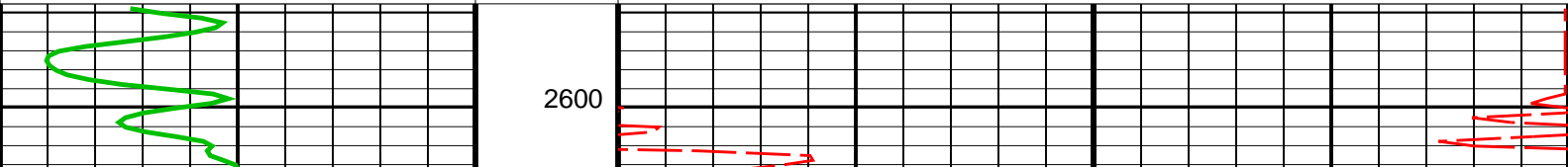
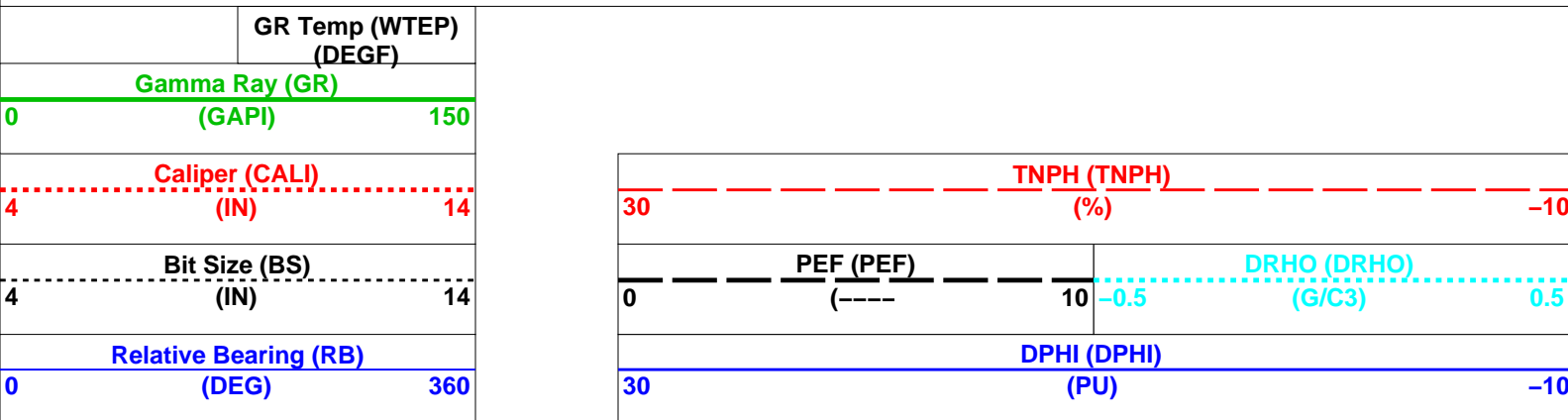
Hole Volume = 920.48 ft<sup>3</sup>  
 Cement Volume = 467.23 ft<sup>3</sup> (assuming 4.50 in casing O.D.)  
 Computed from 9223.5 ft to 5120.0 ft

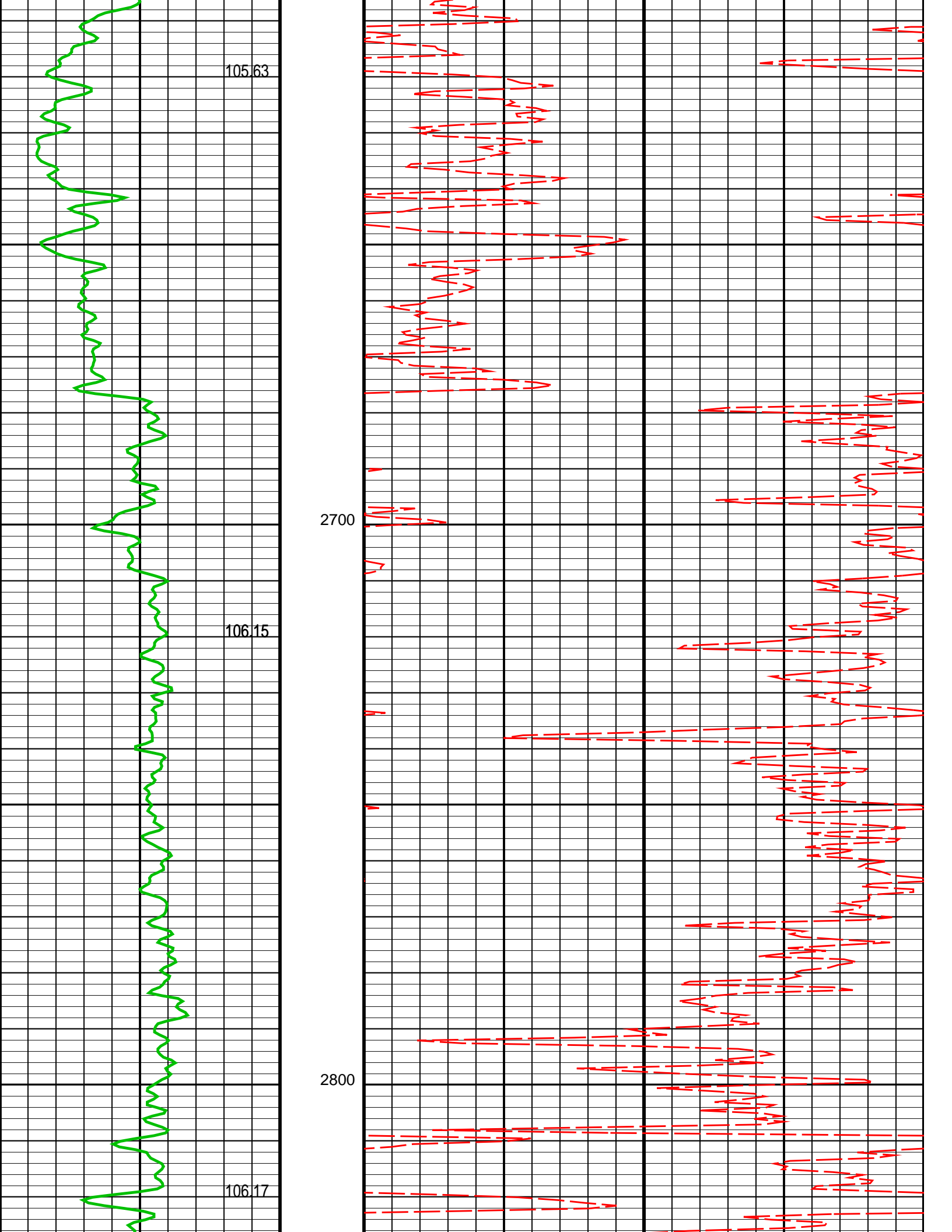
### OP System Version: 19C2-270

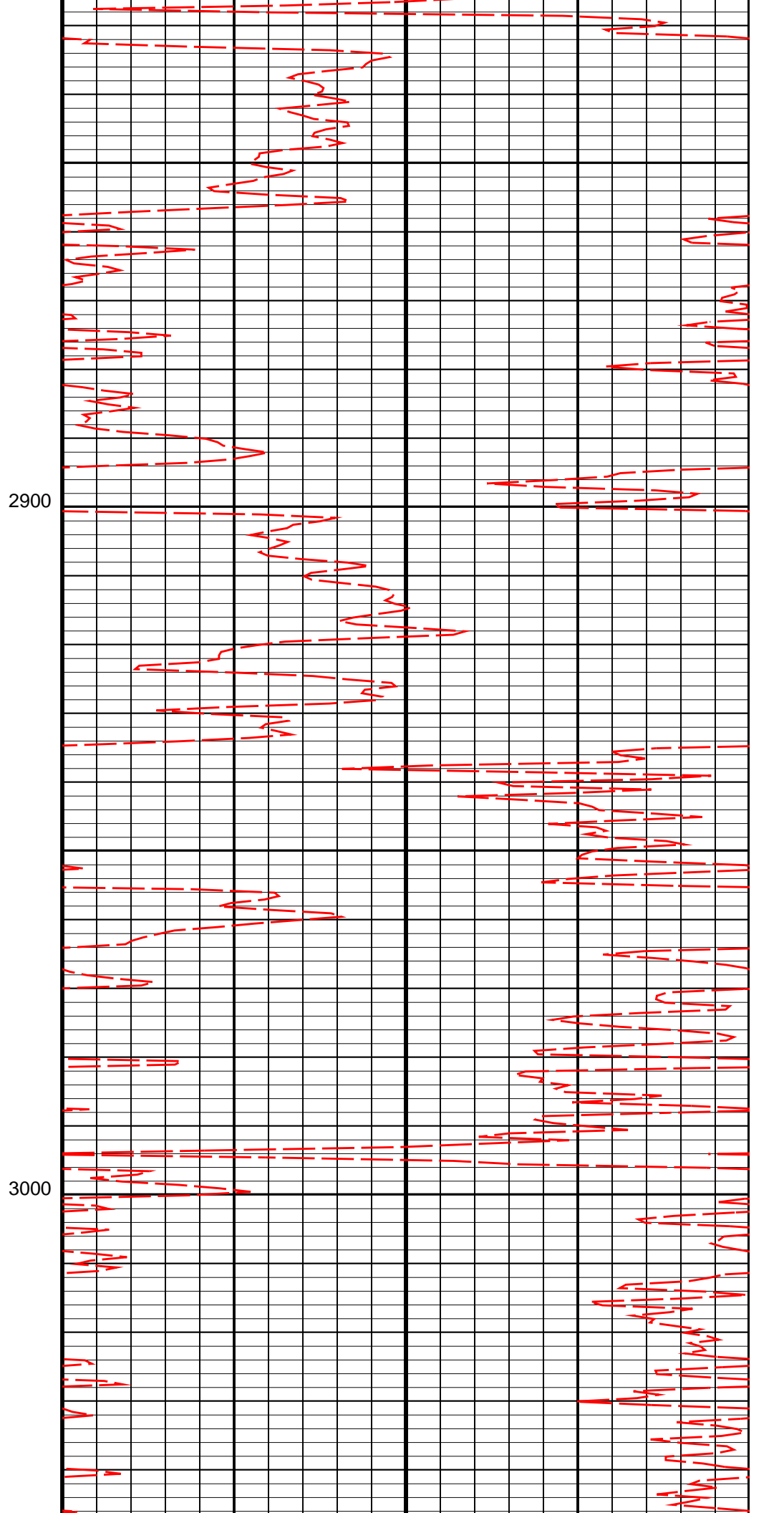
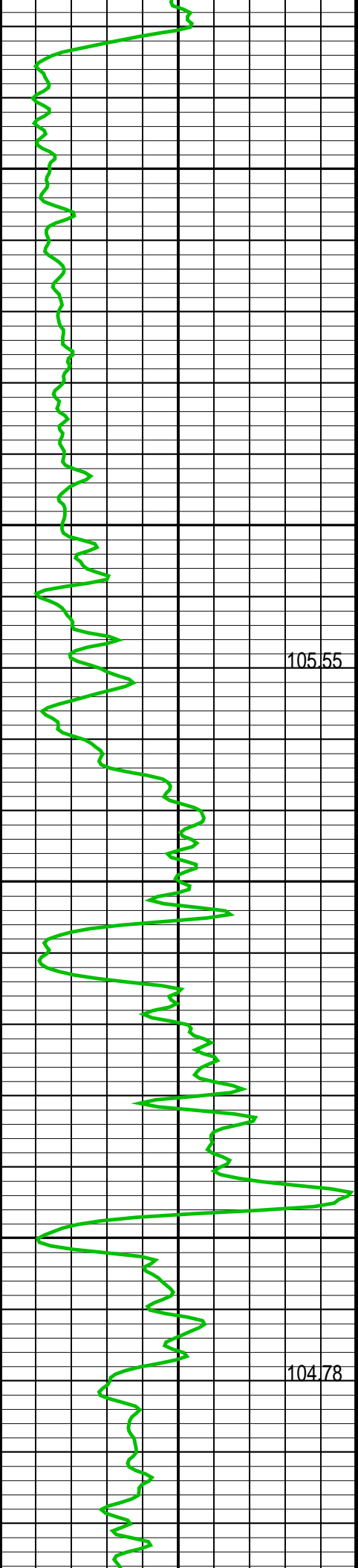
TBT SRPC-5292-ThruBit\_RevA

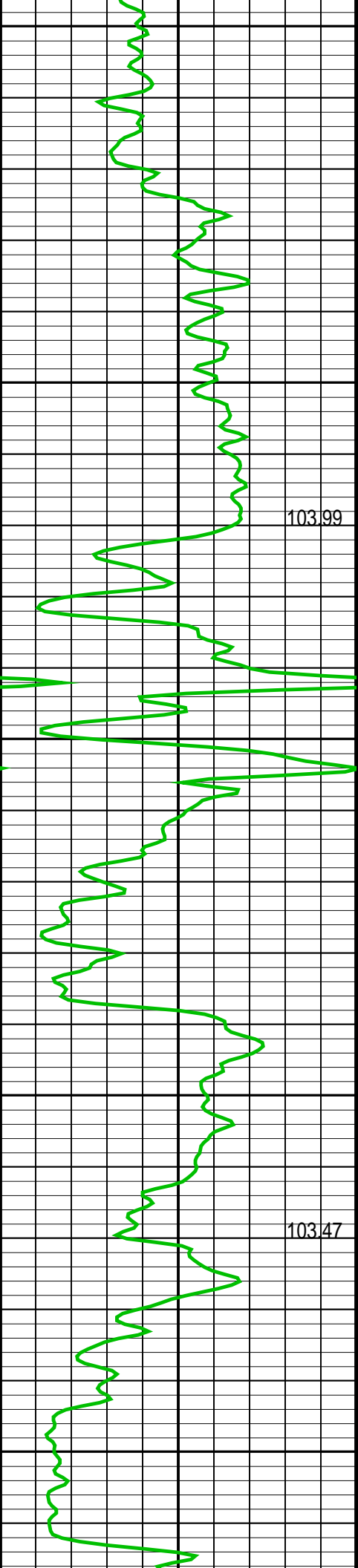
#### PIP SUMMARY

- └ 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



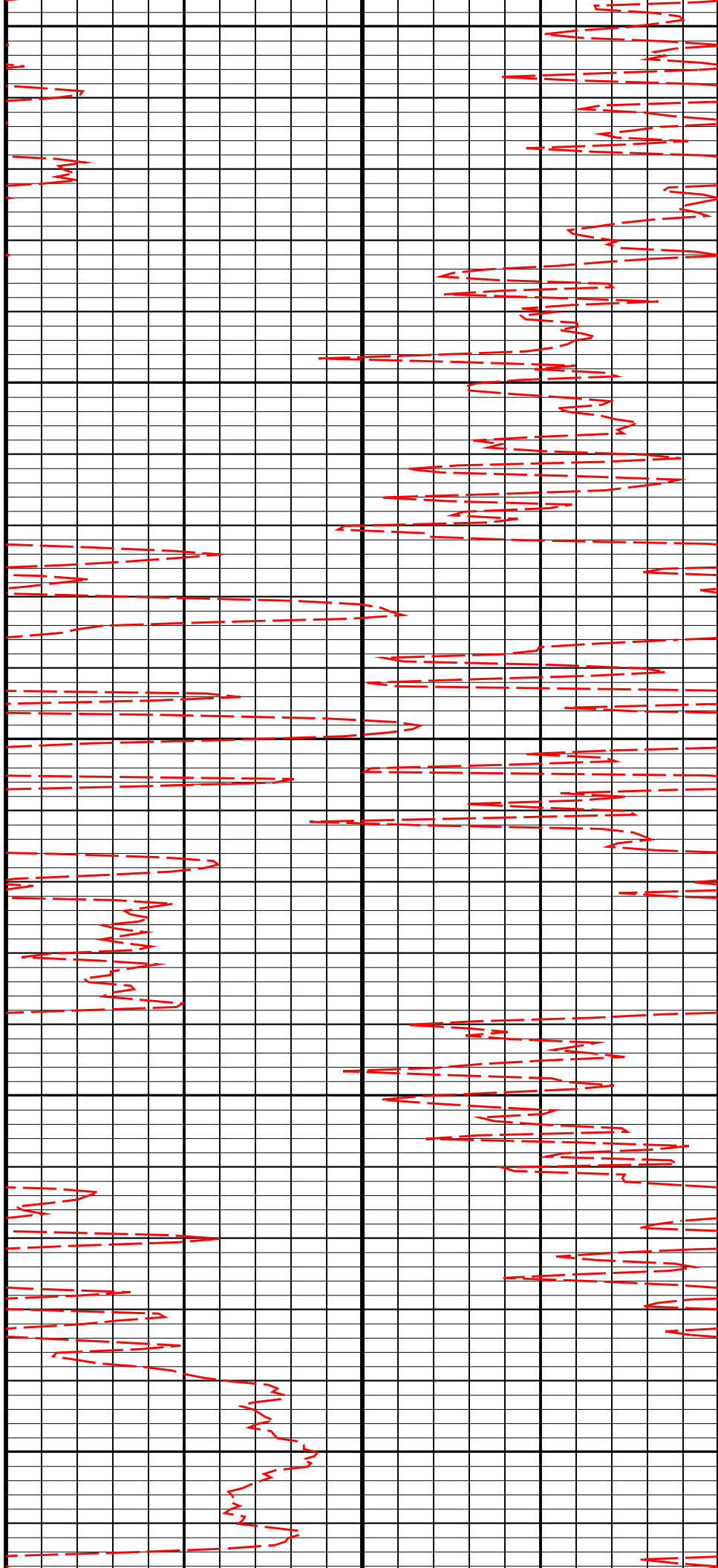




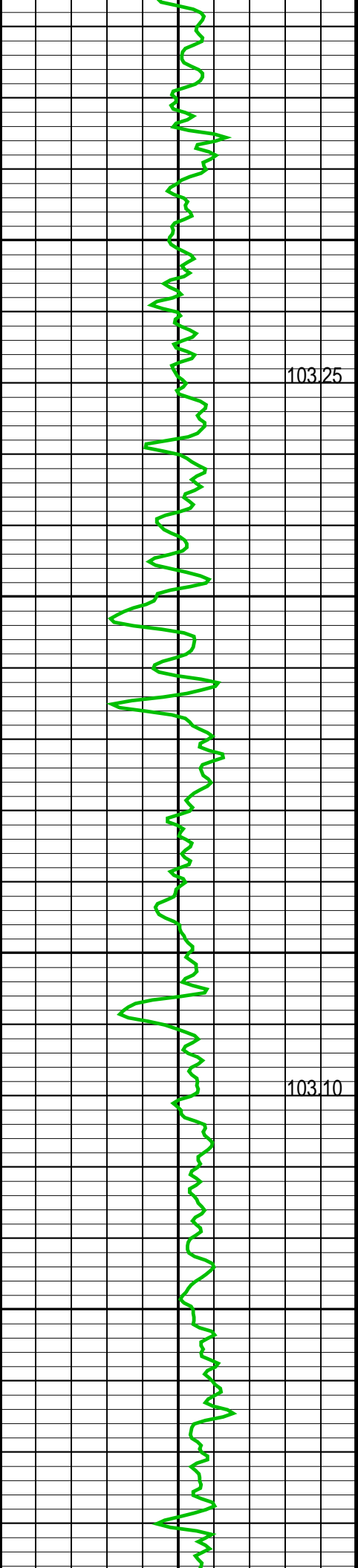


3100

3200

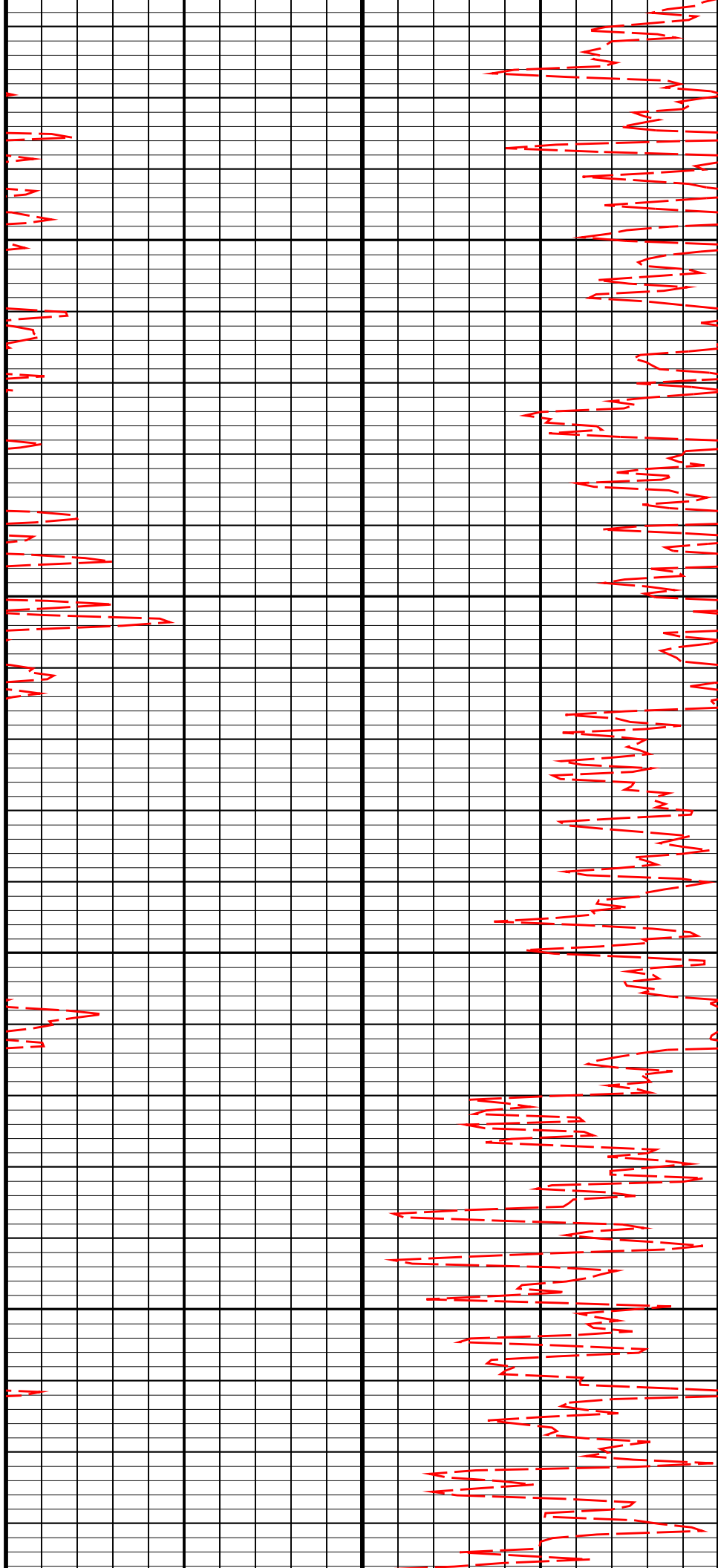


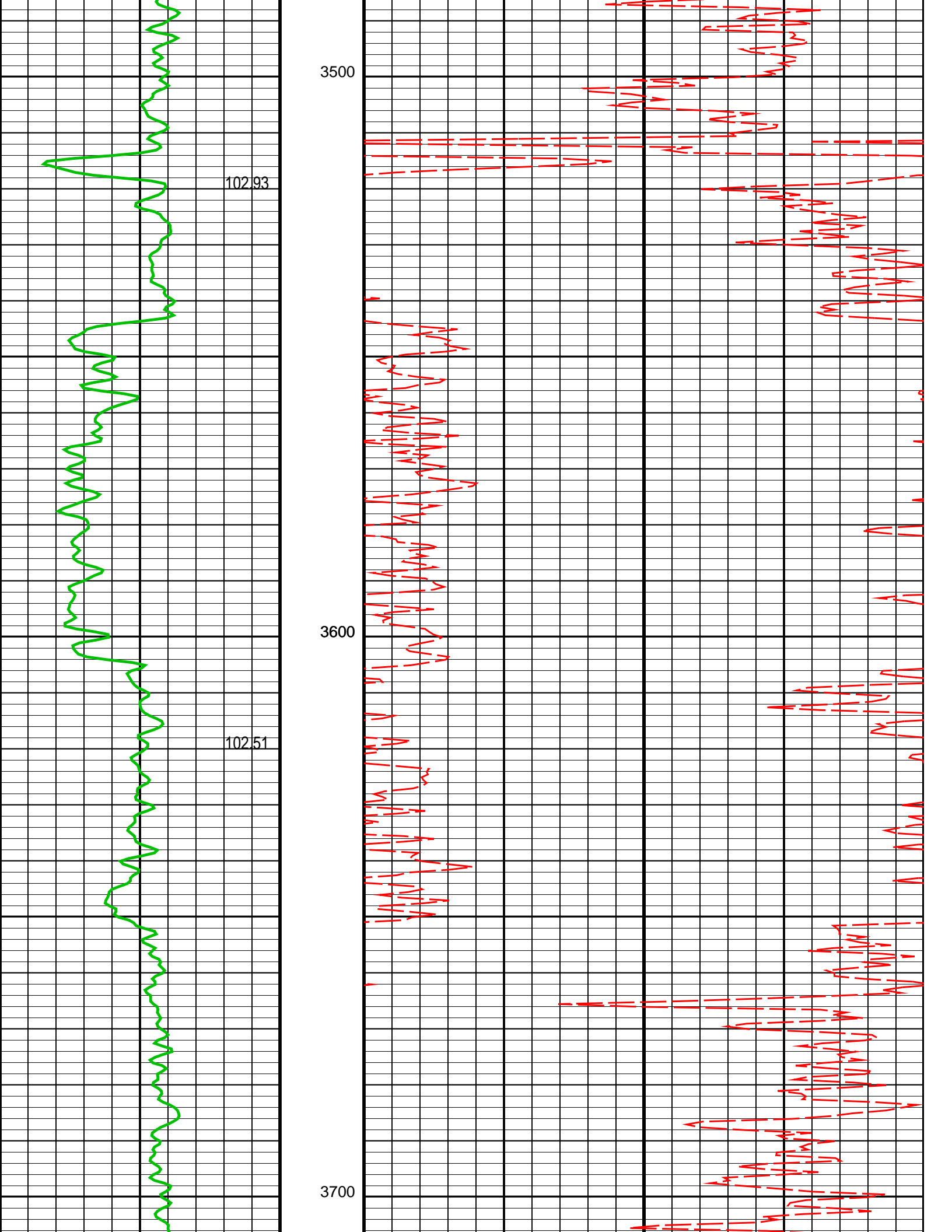


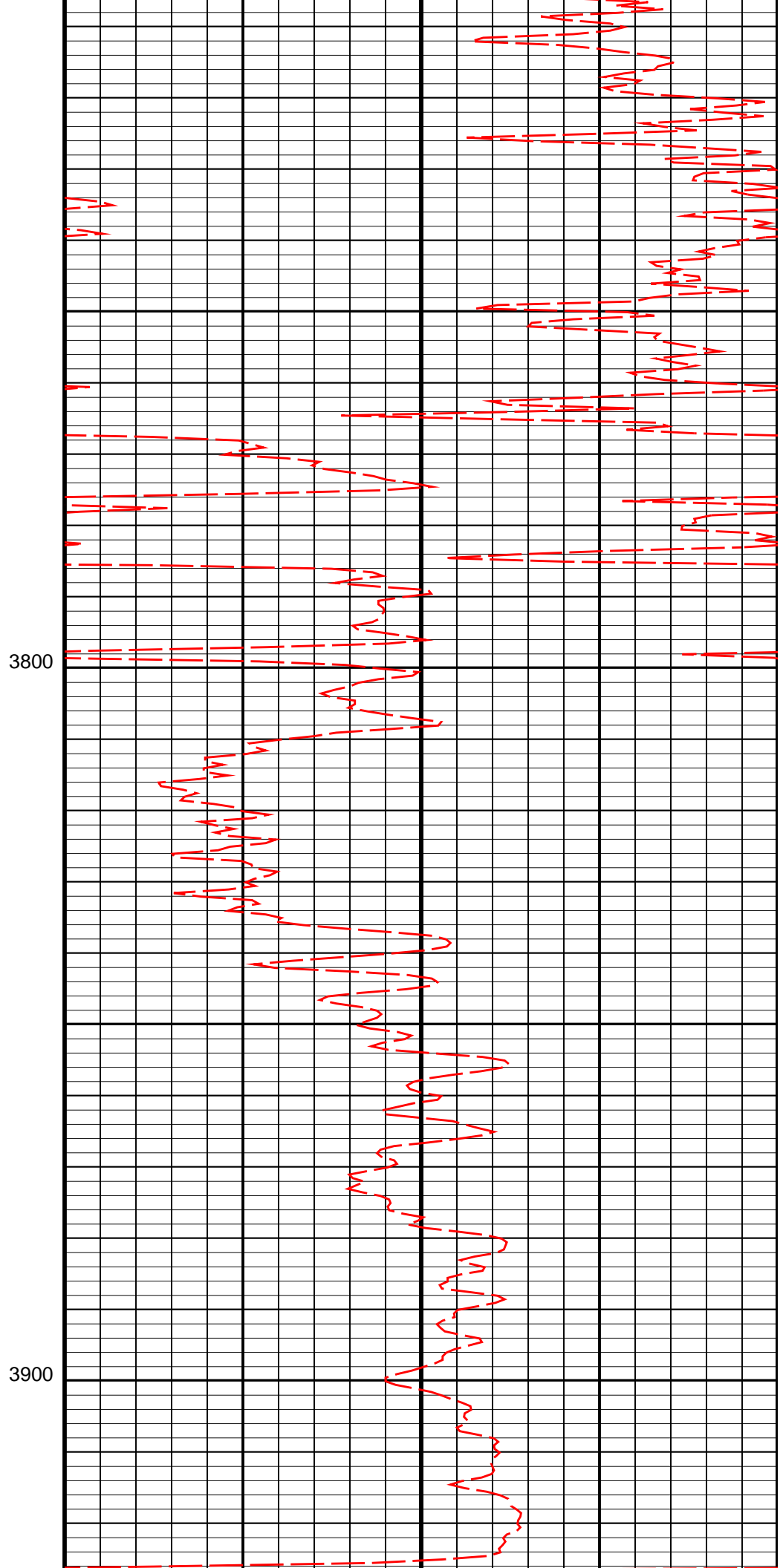
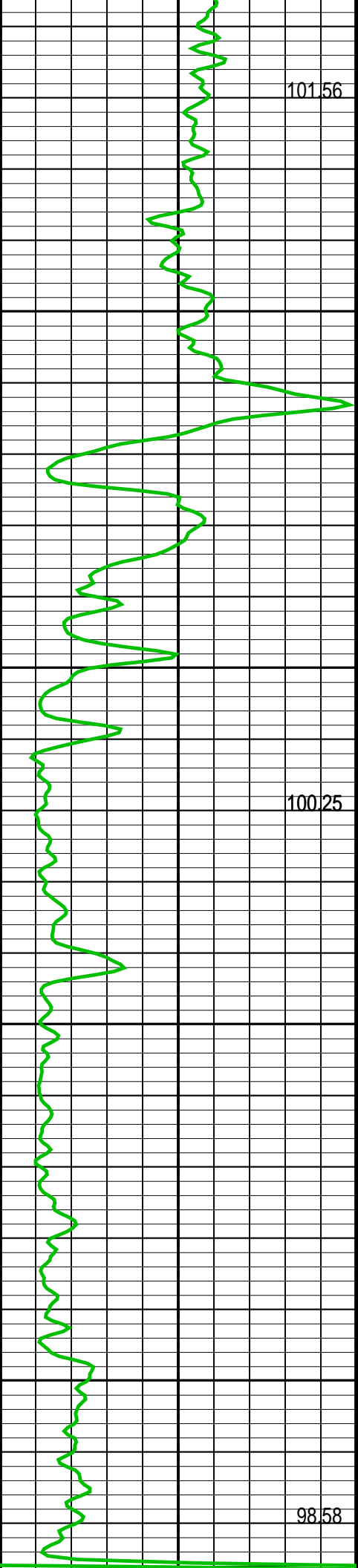


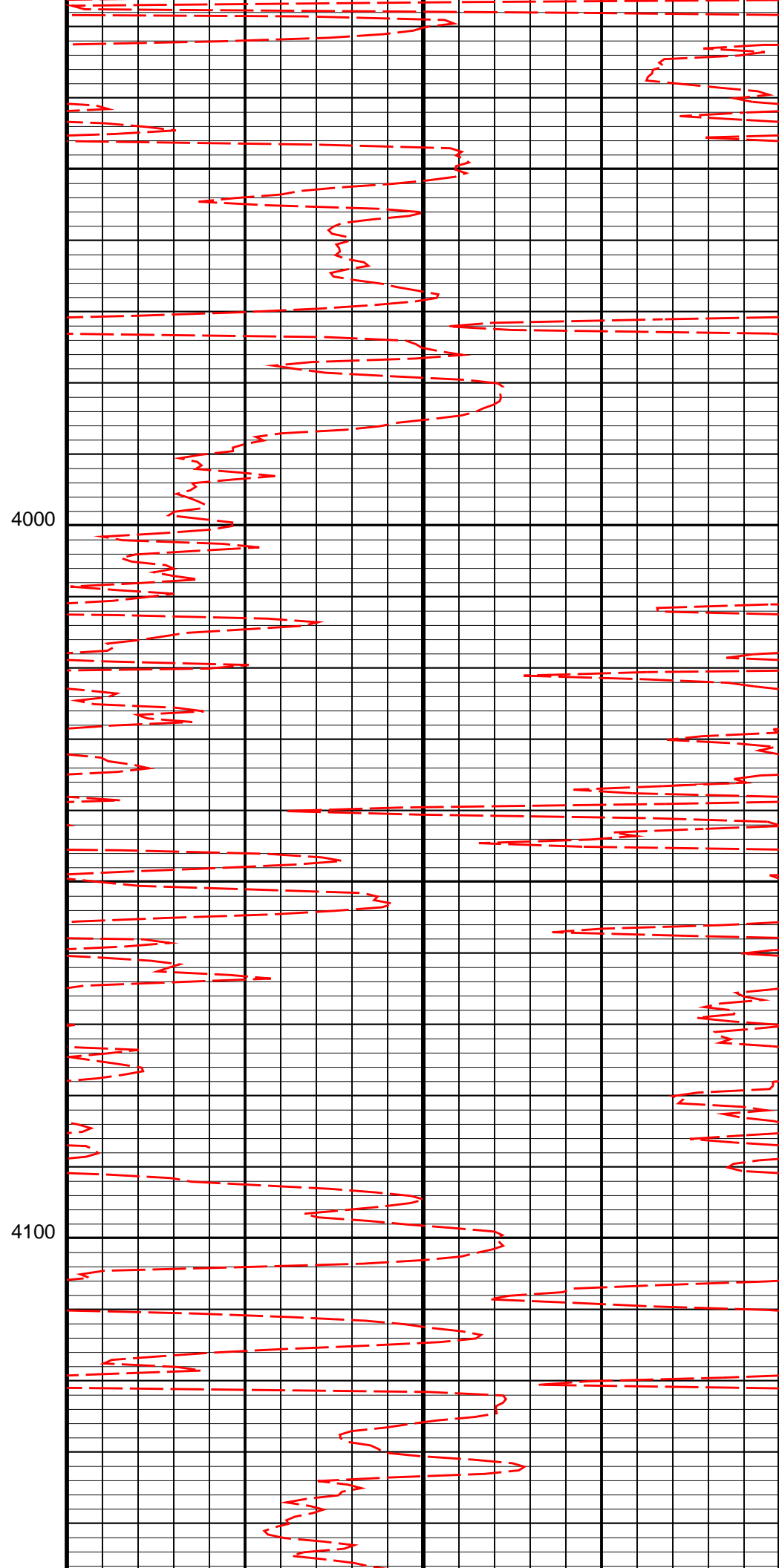
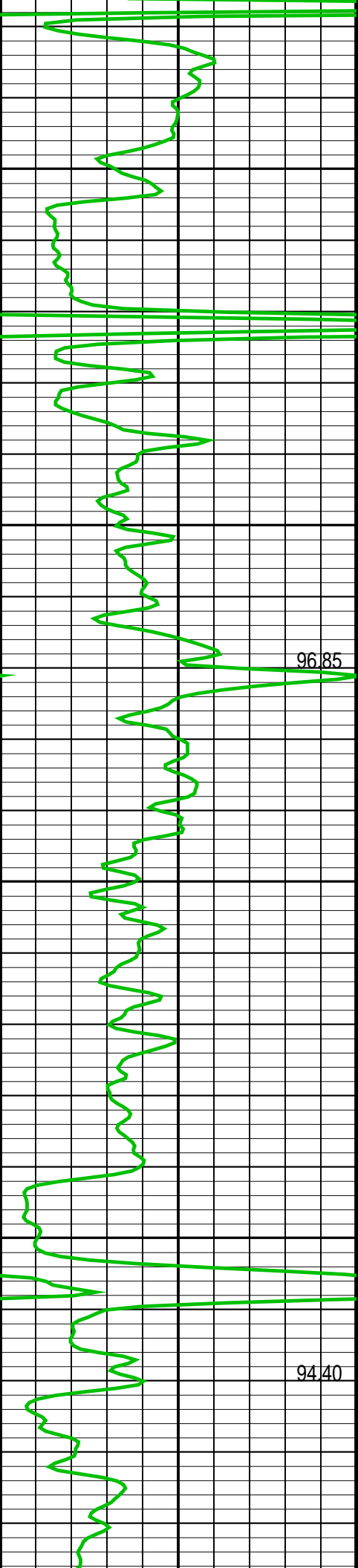
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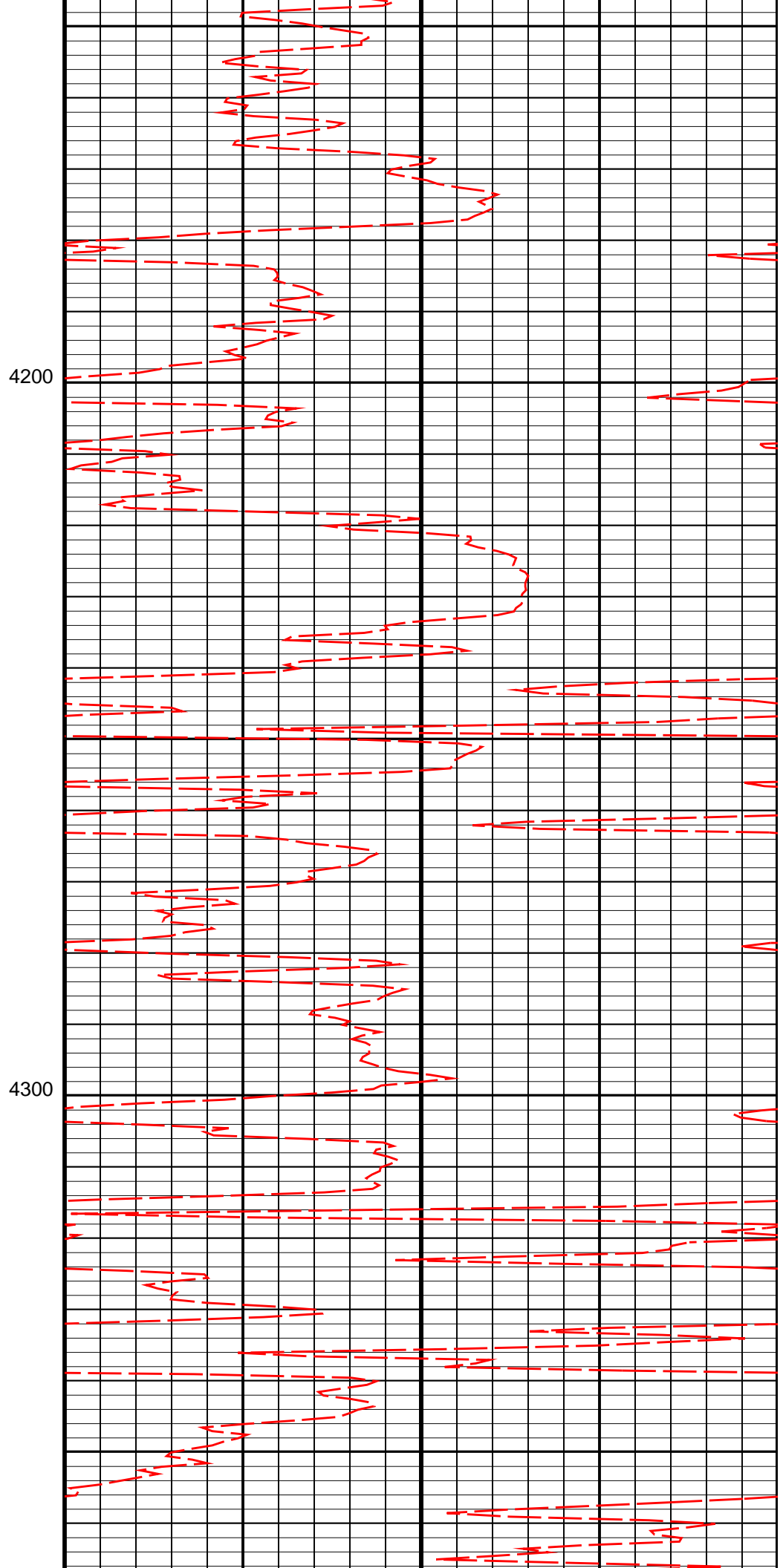
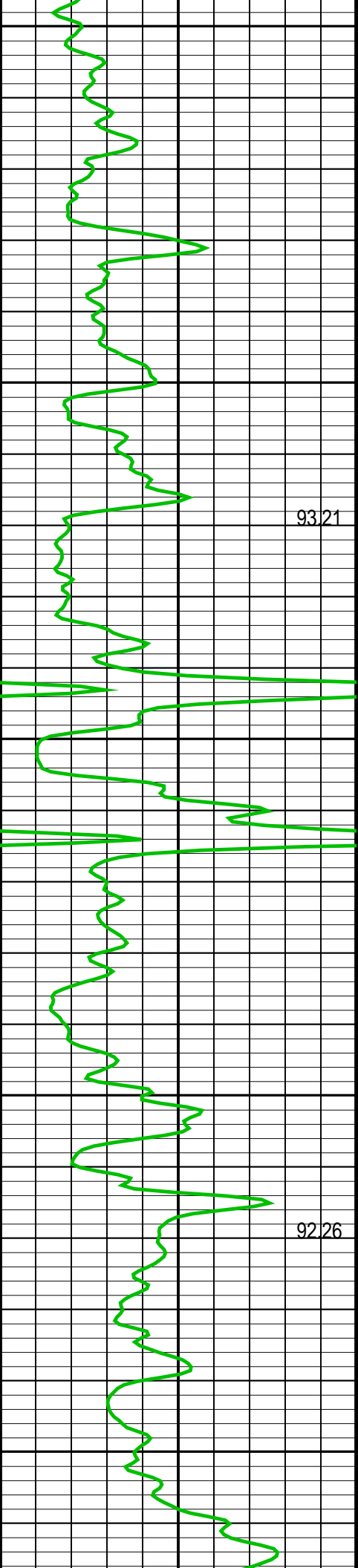
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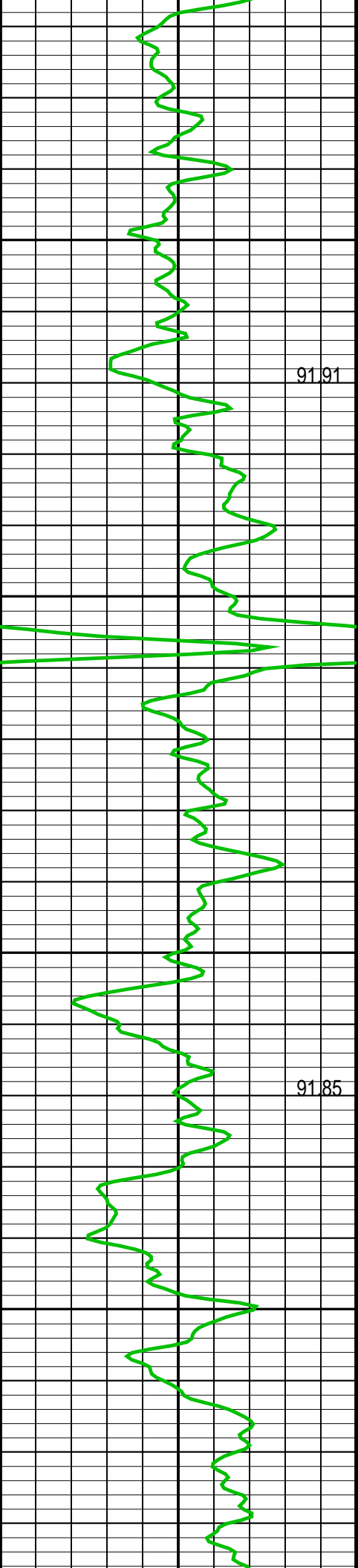










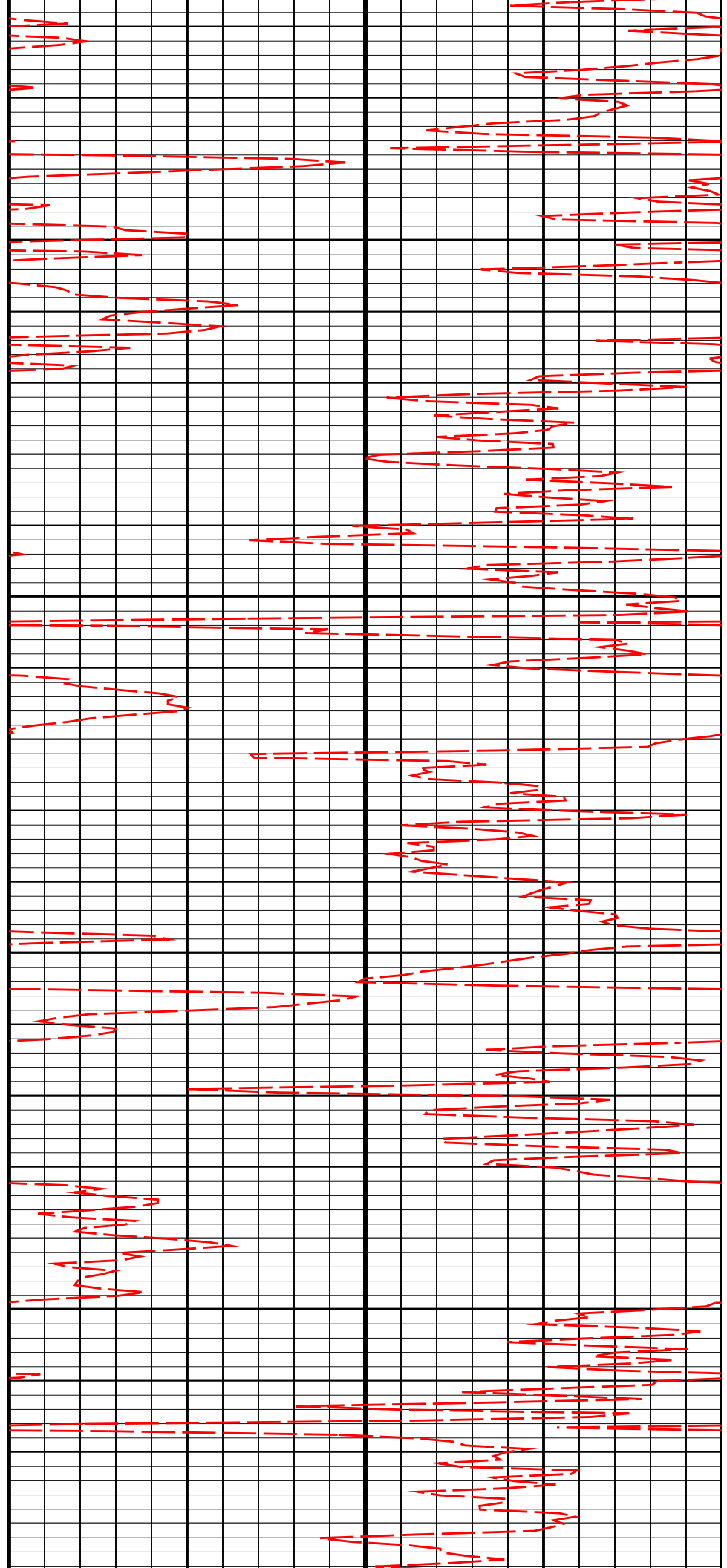


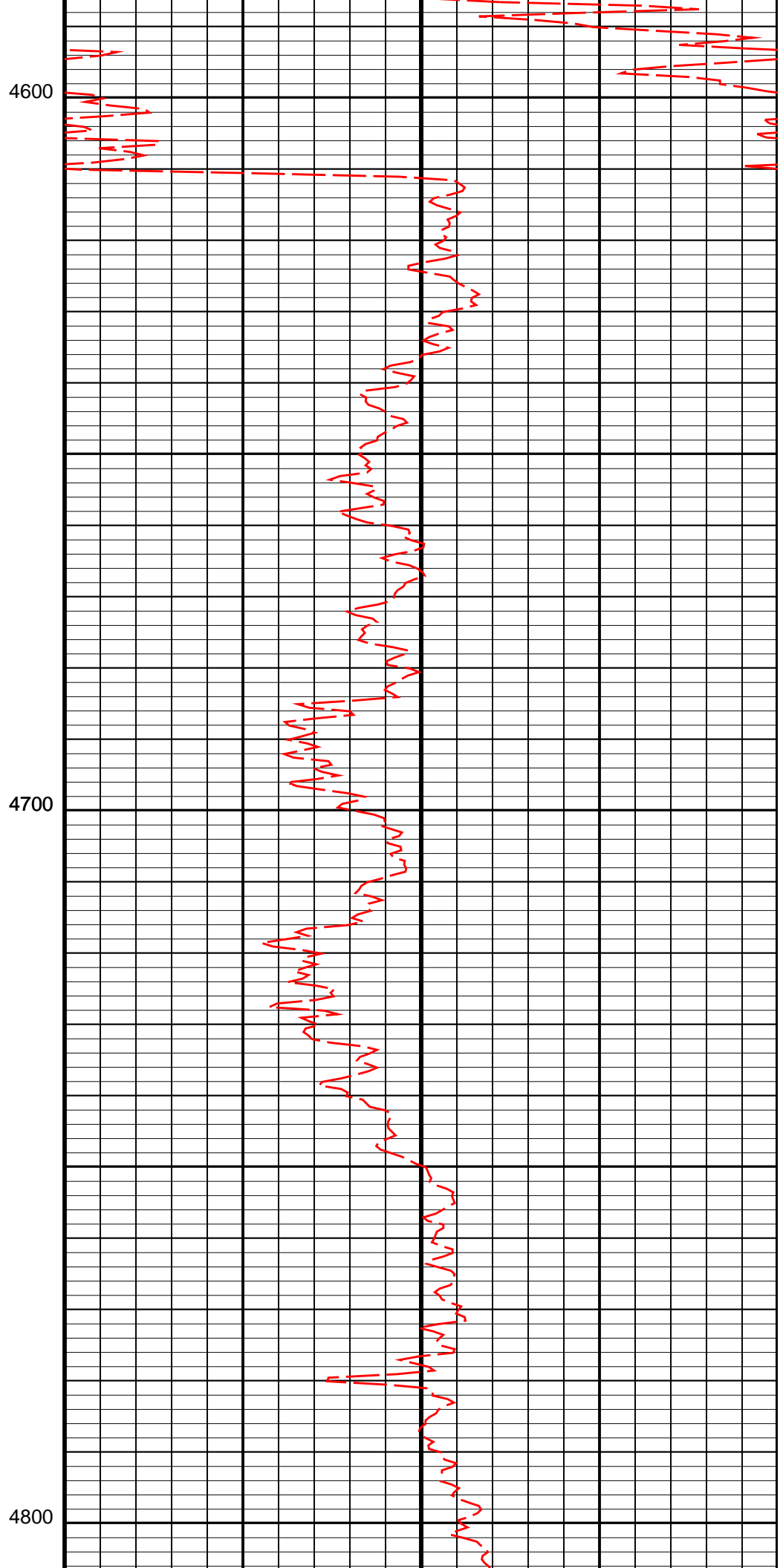
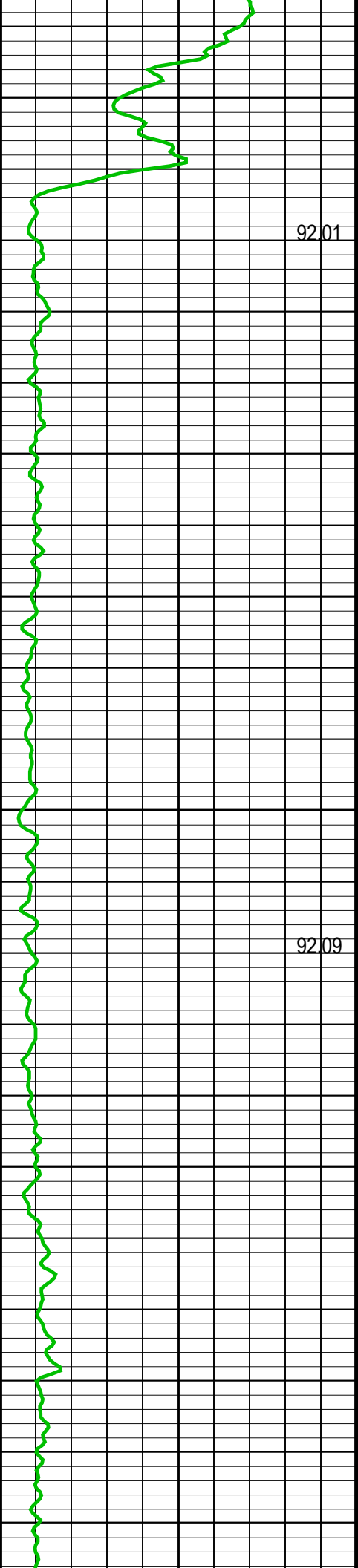
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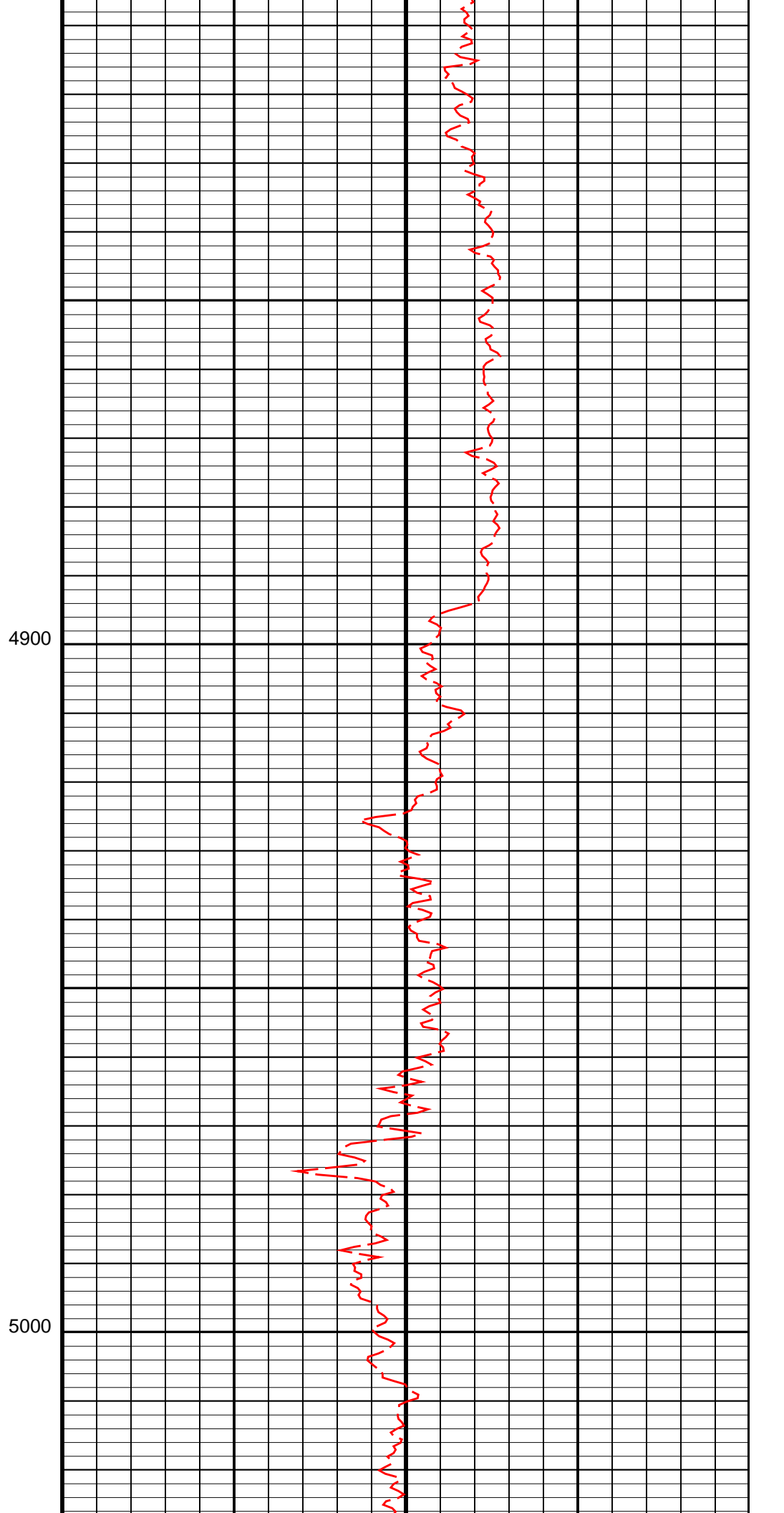
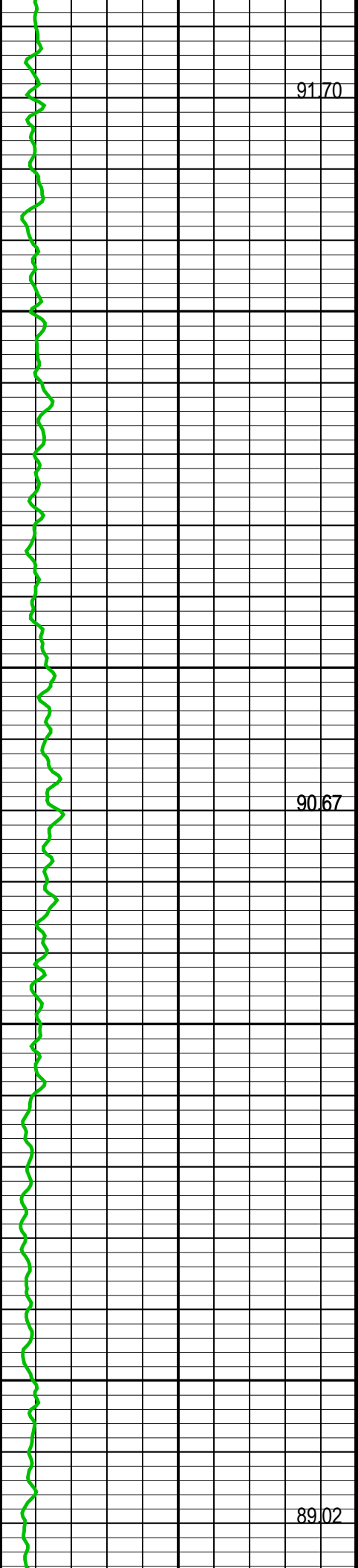
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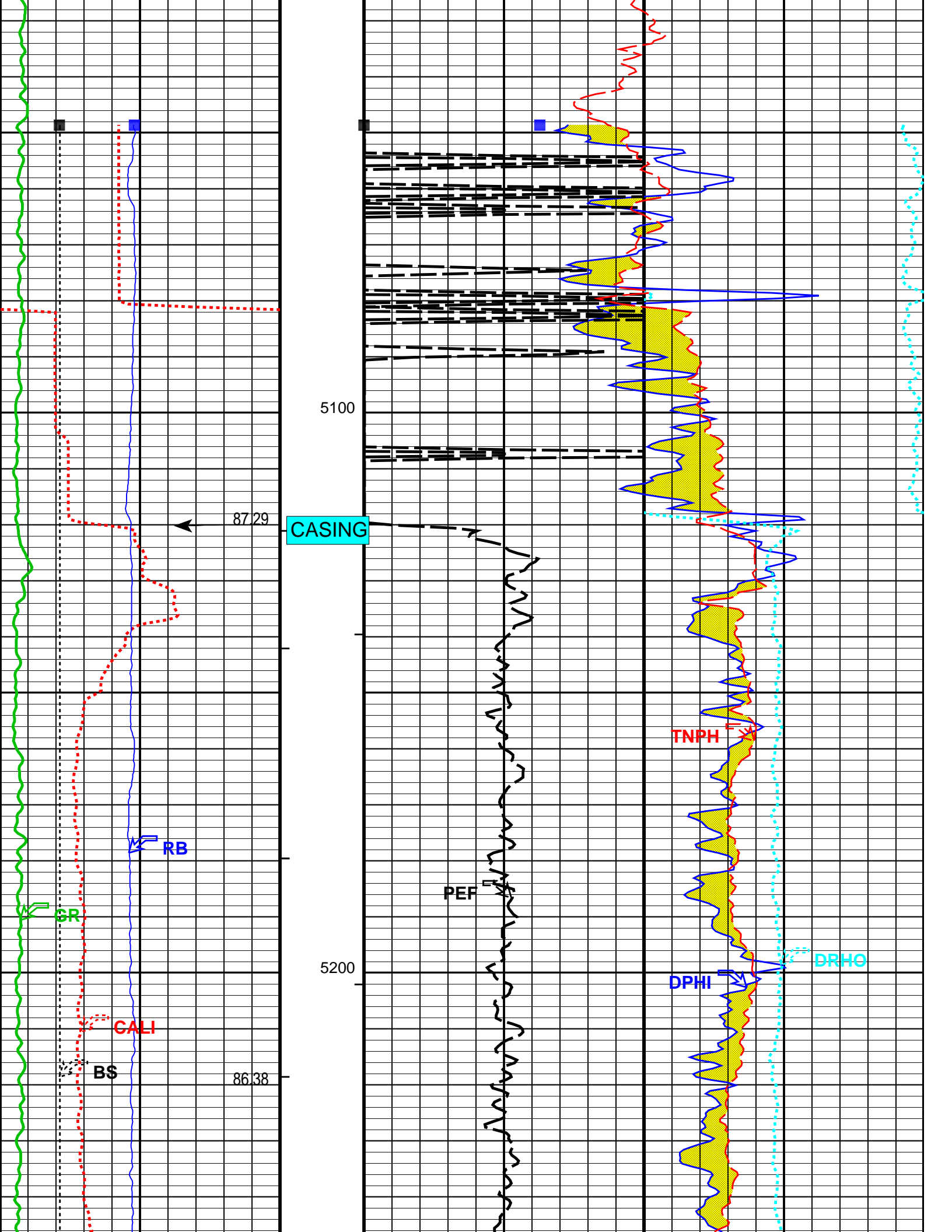
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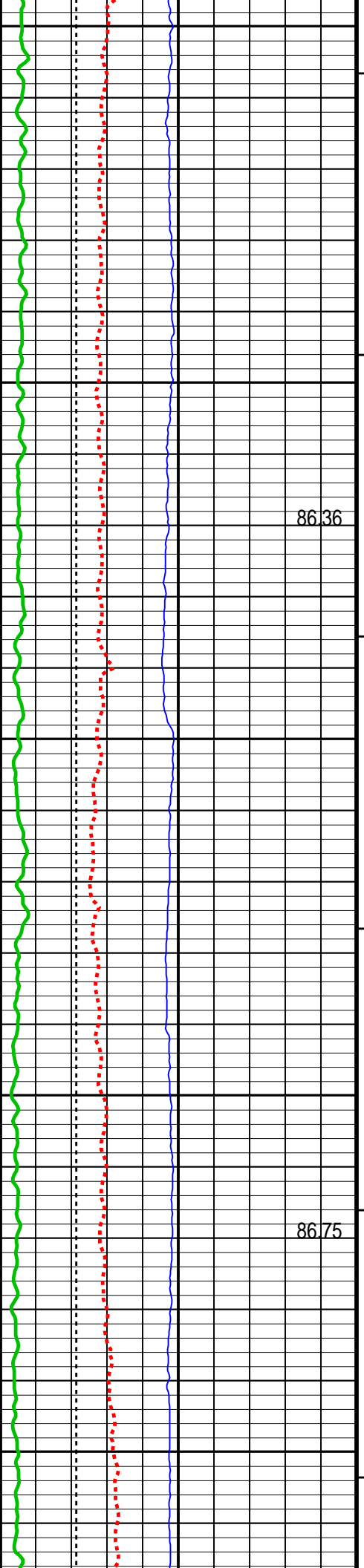










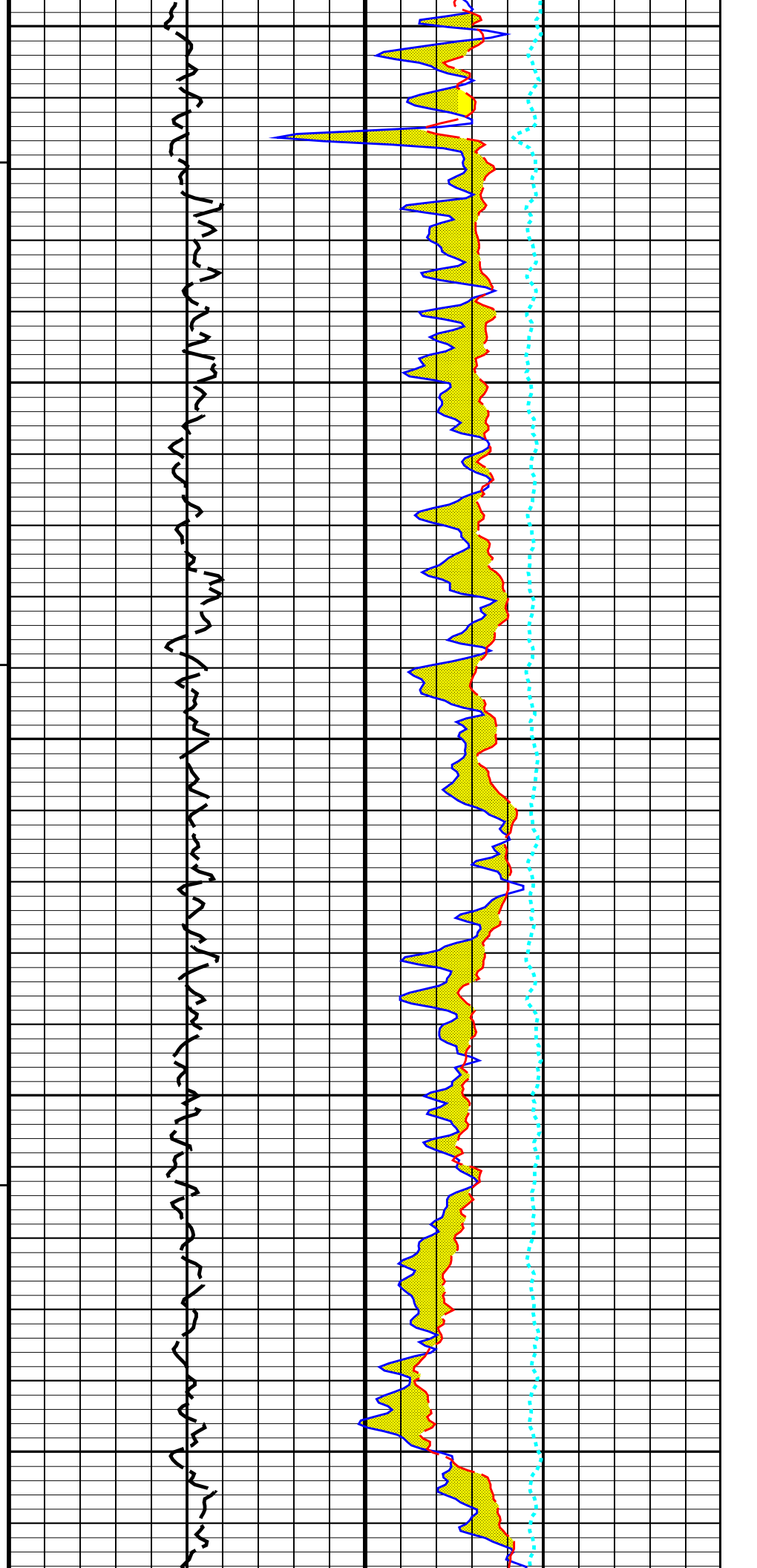


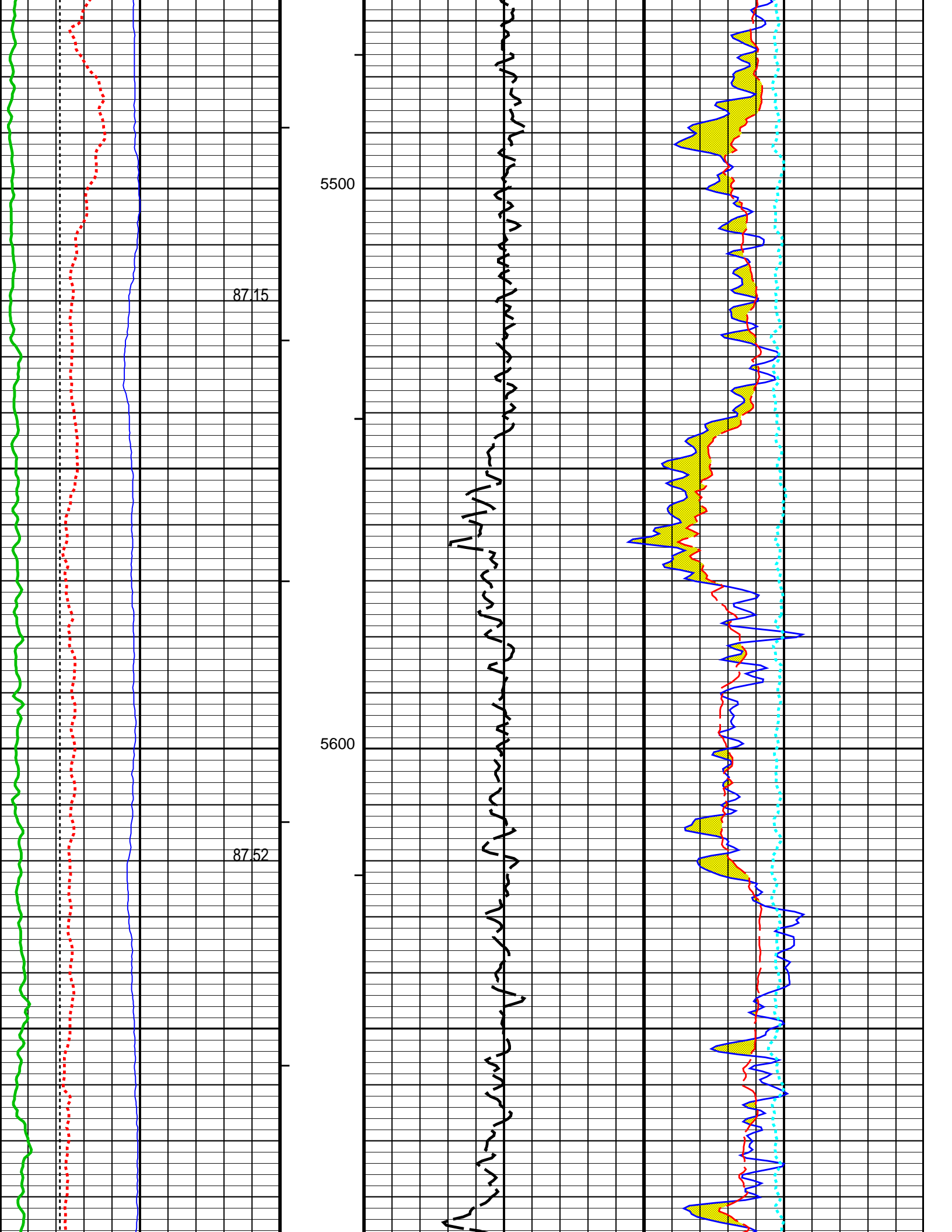
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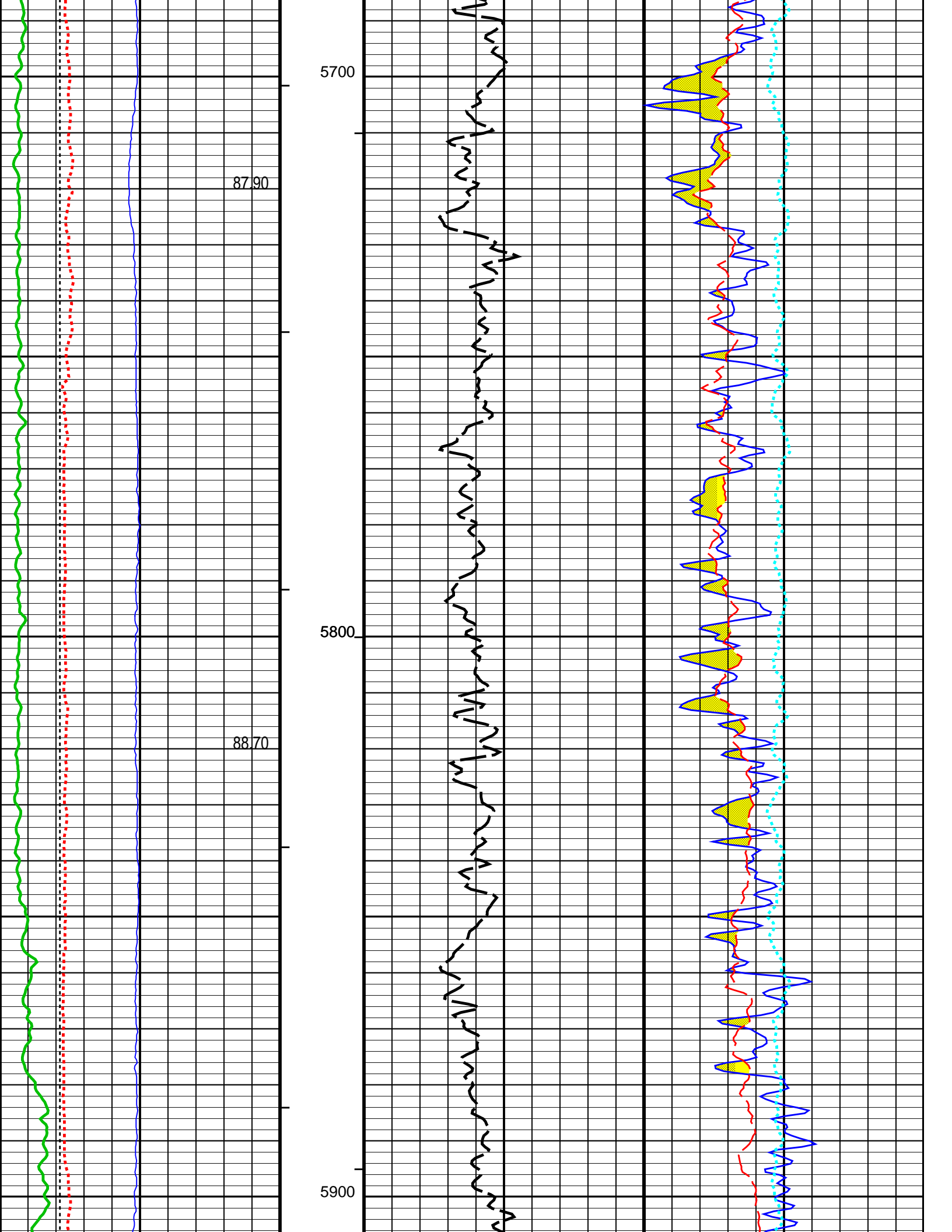
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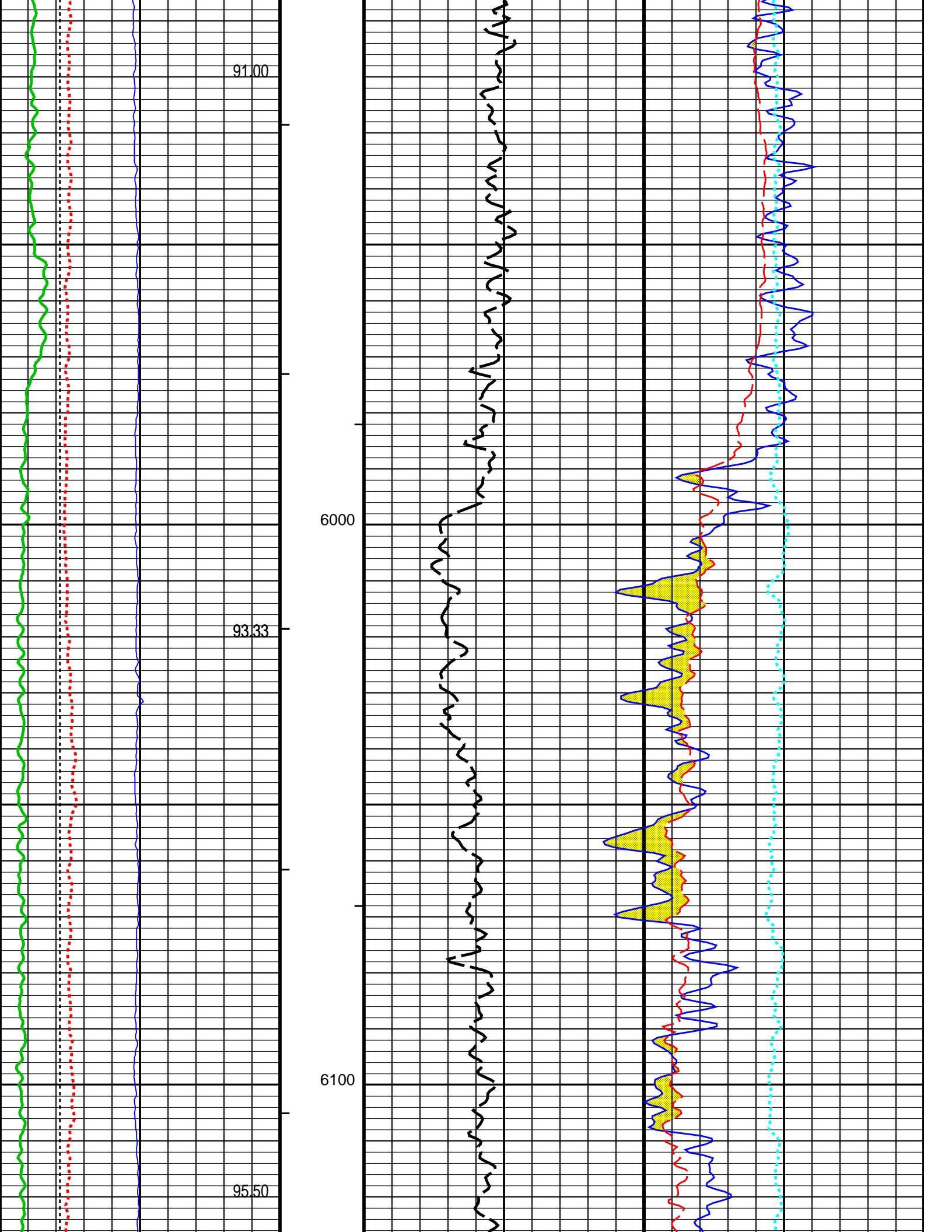
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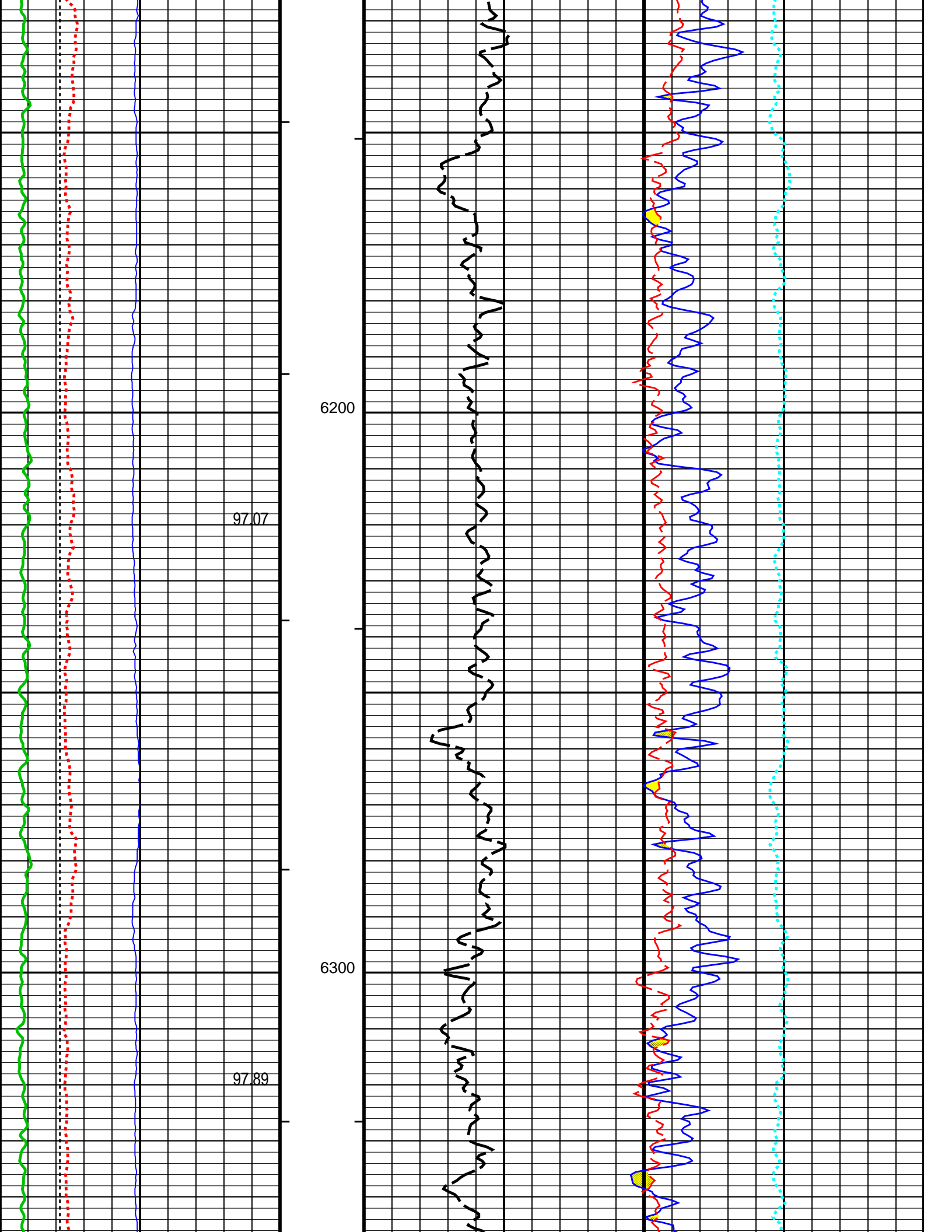
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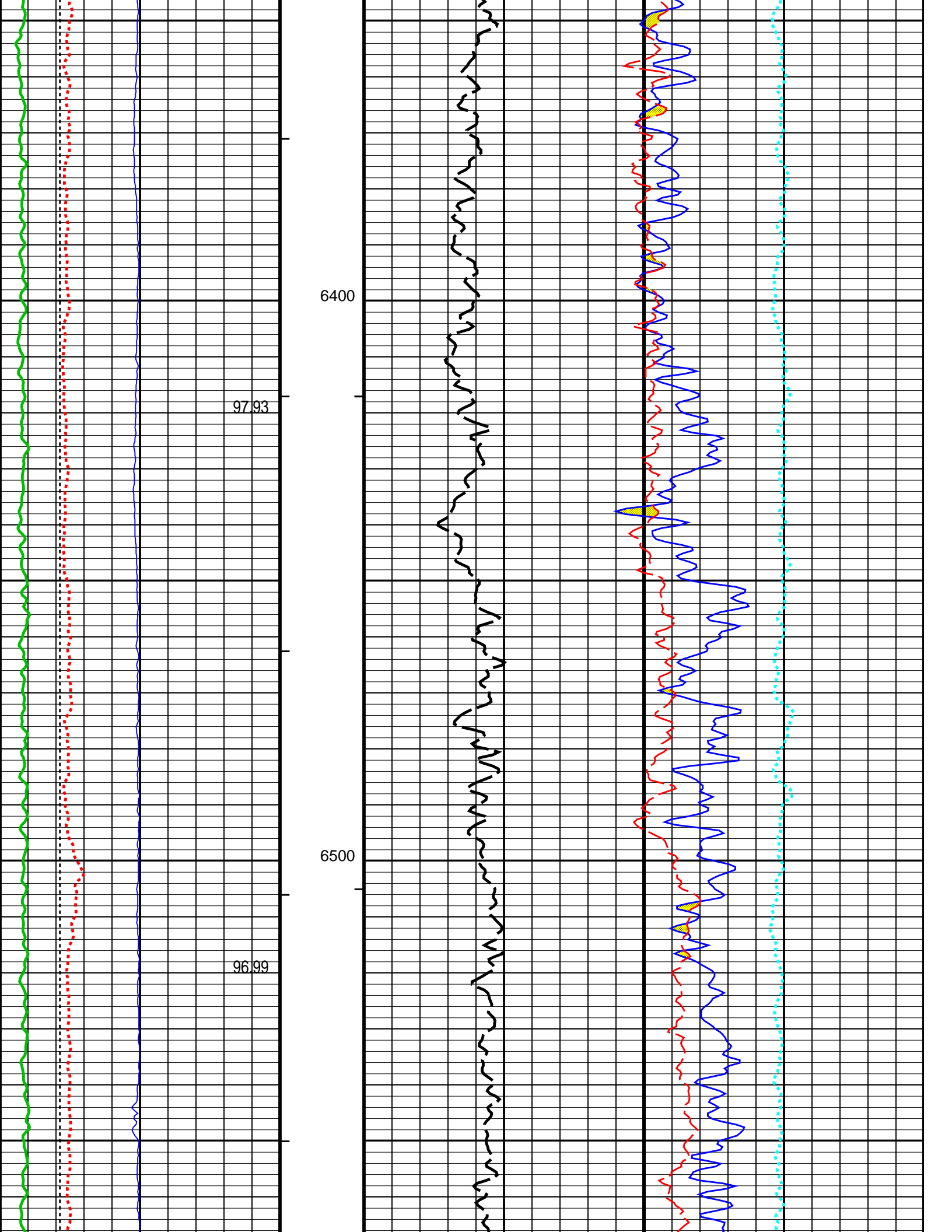


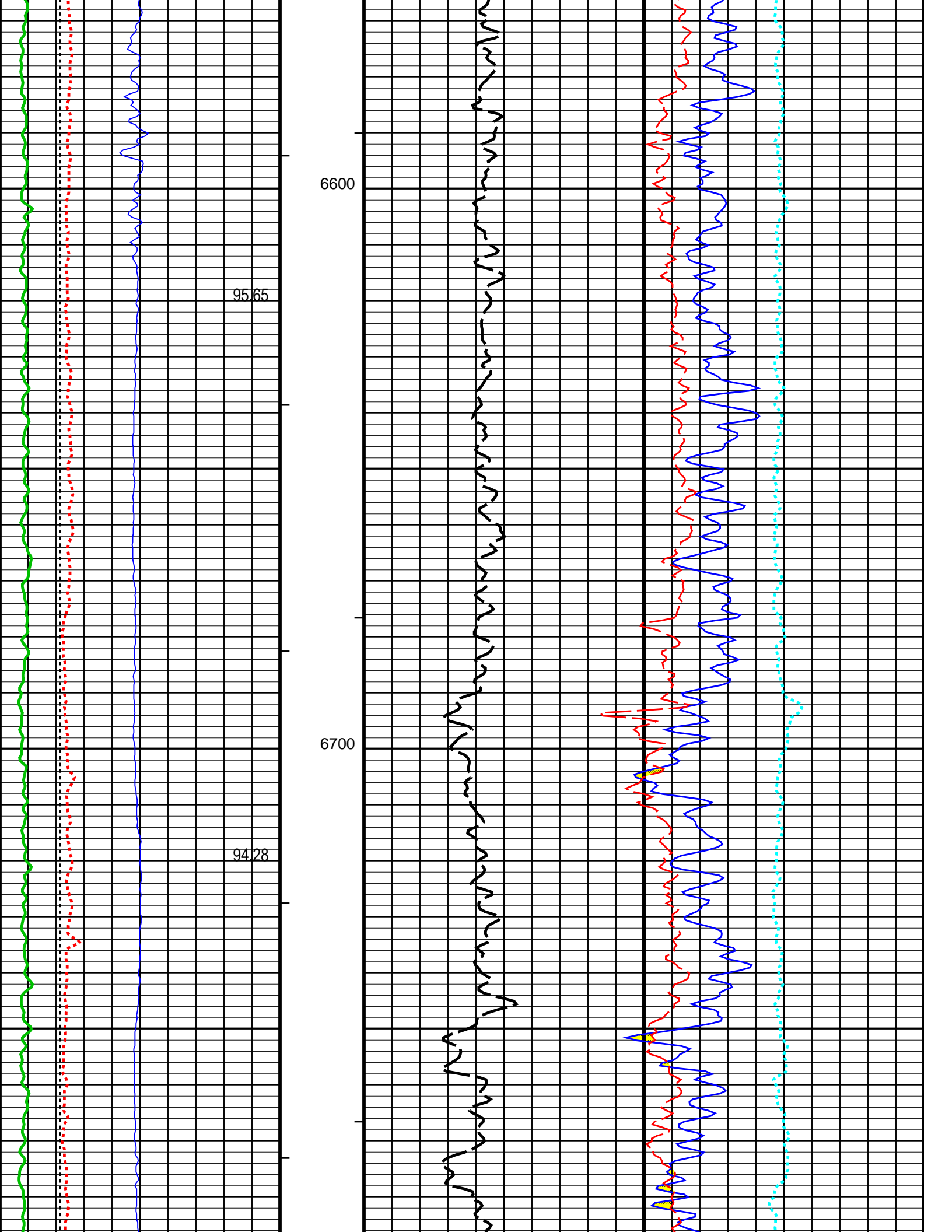




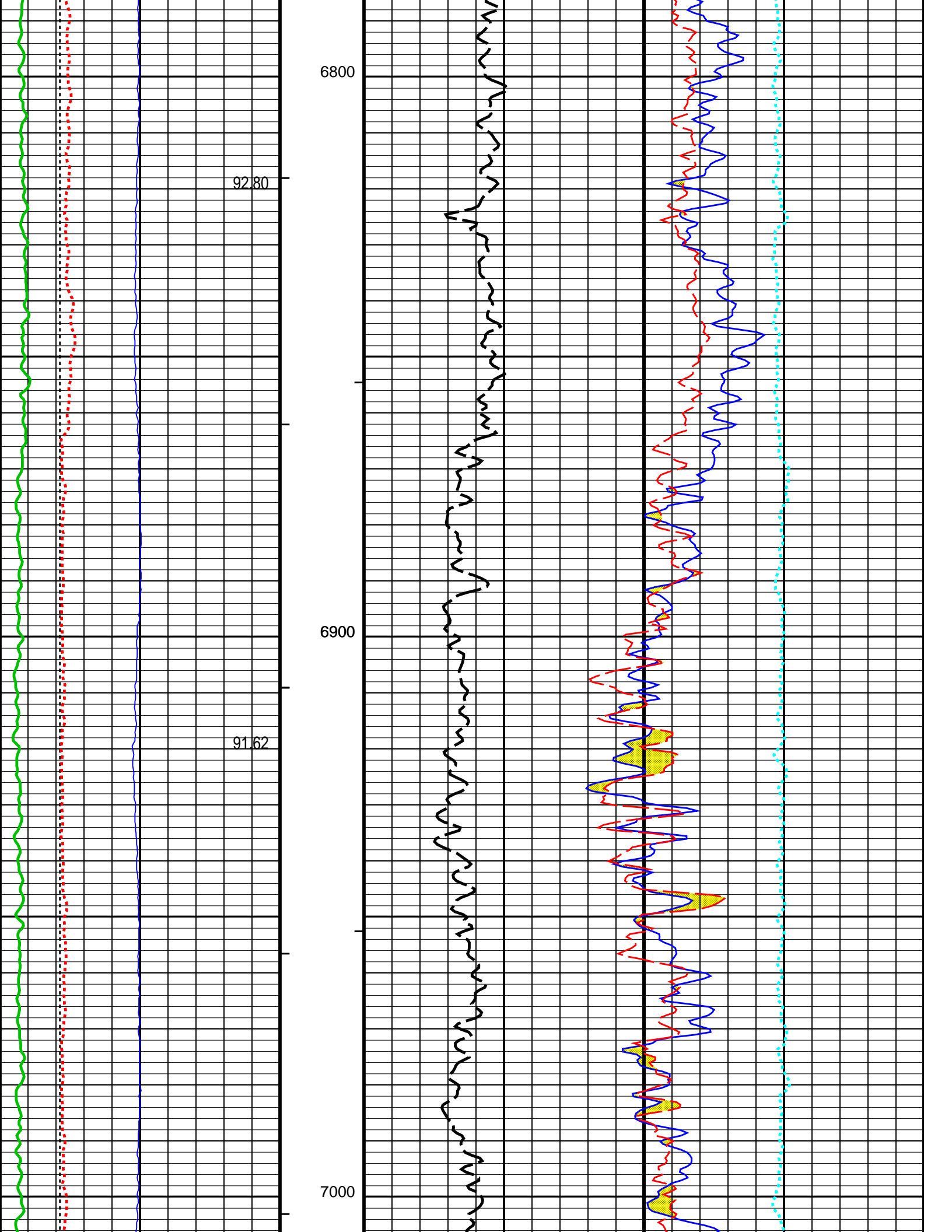


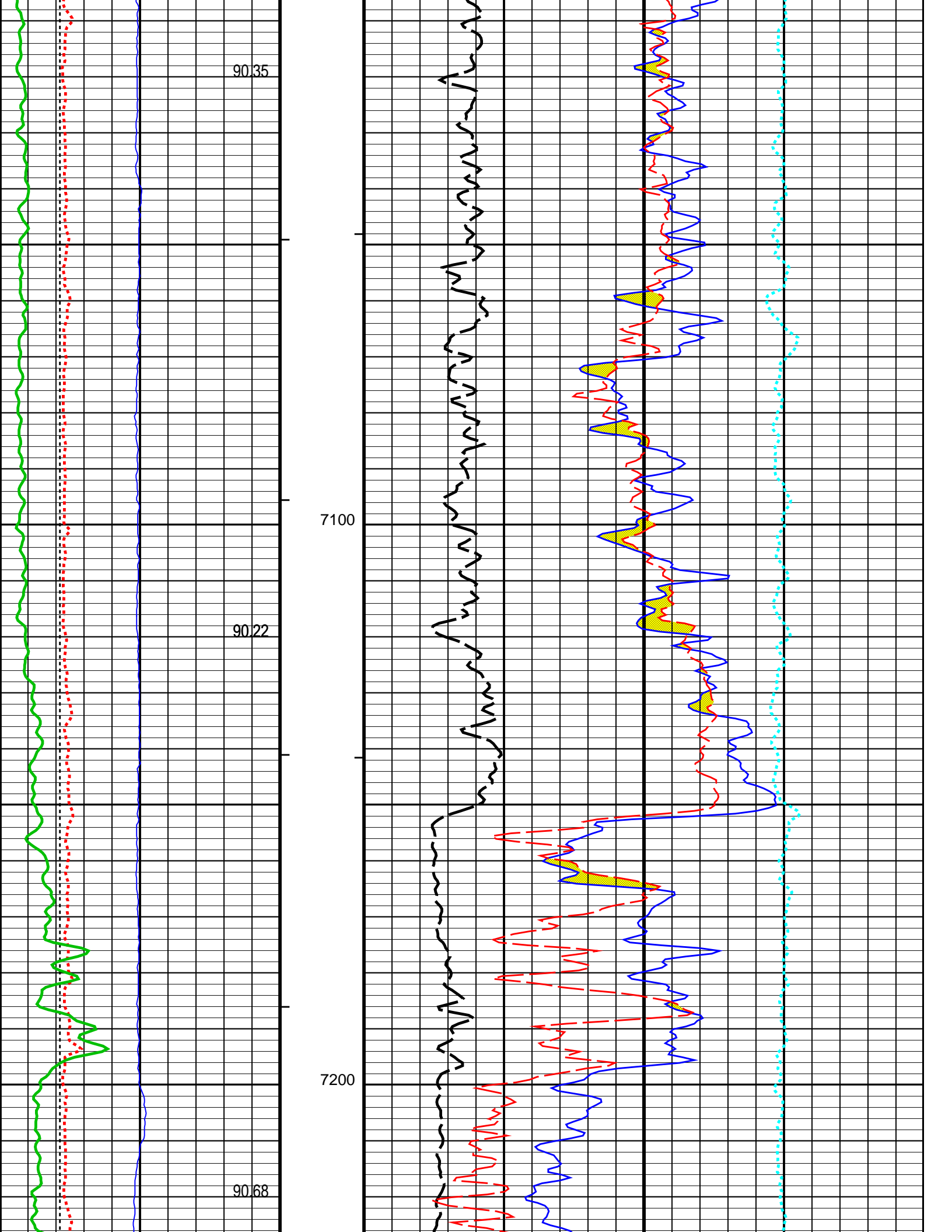


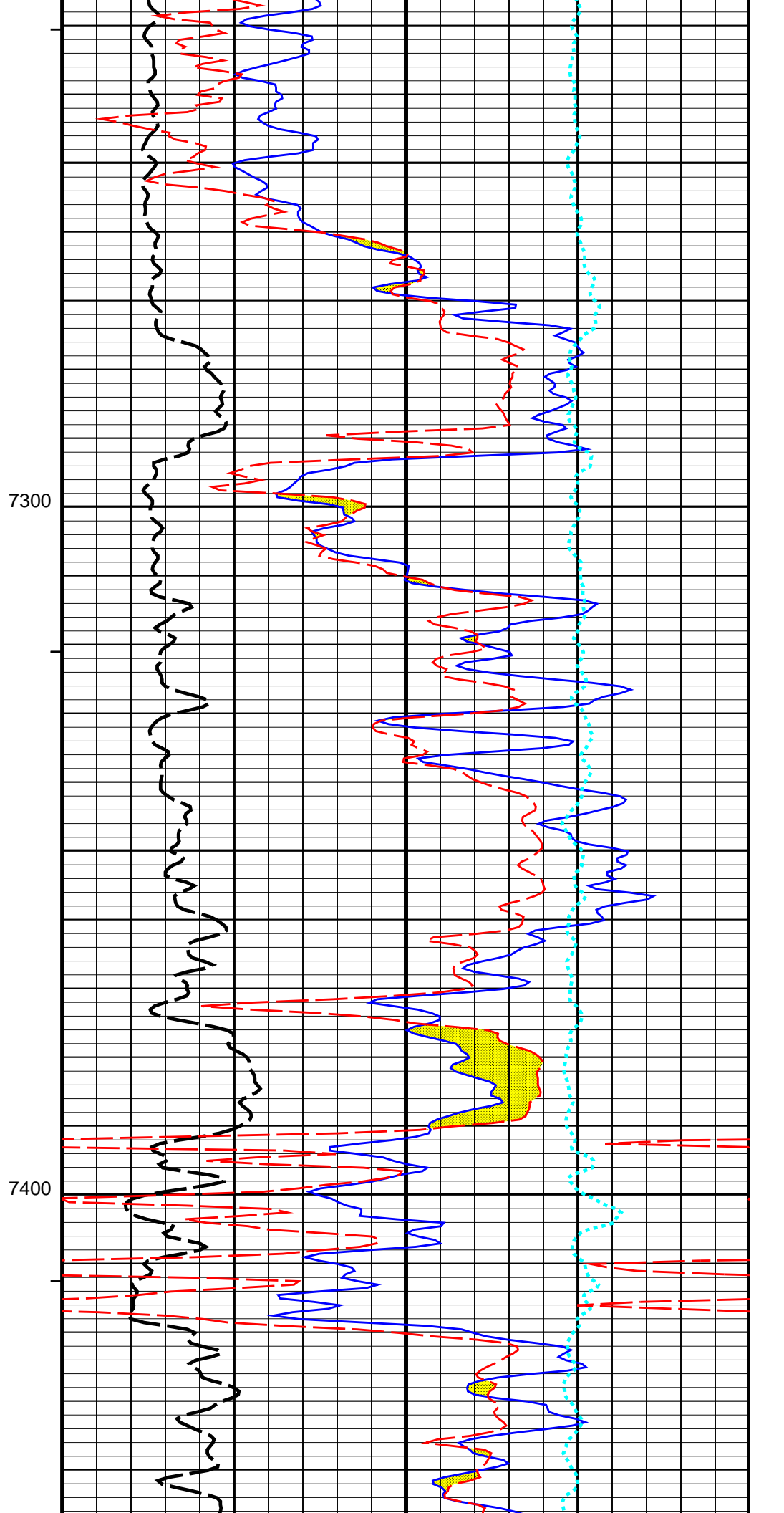
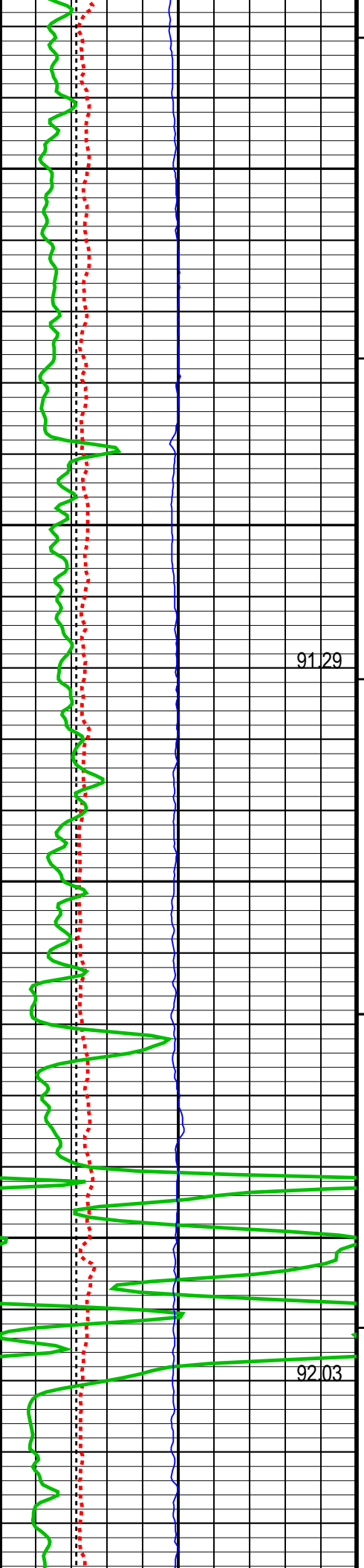


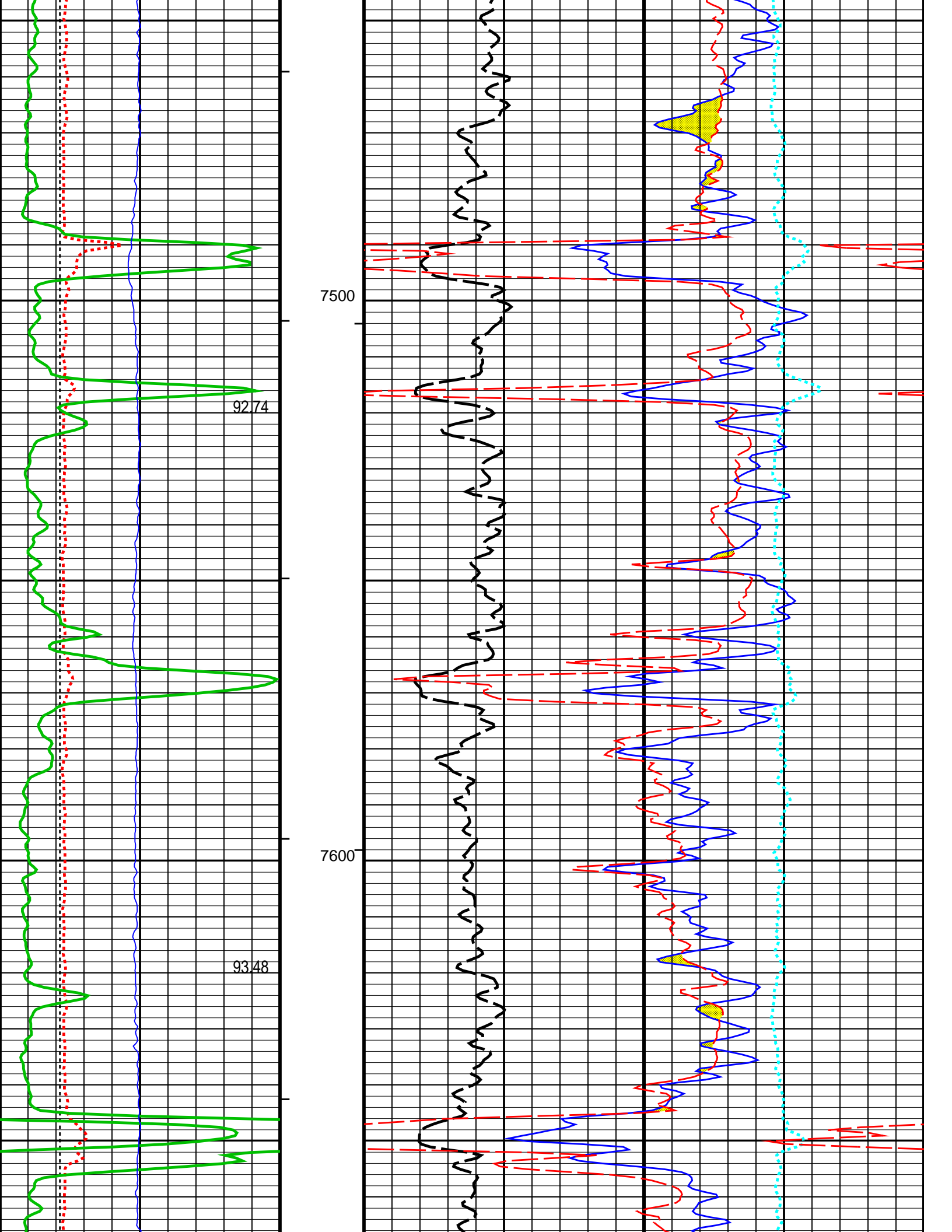


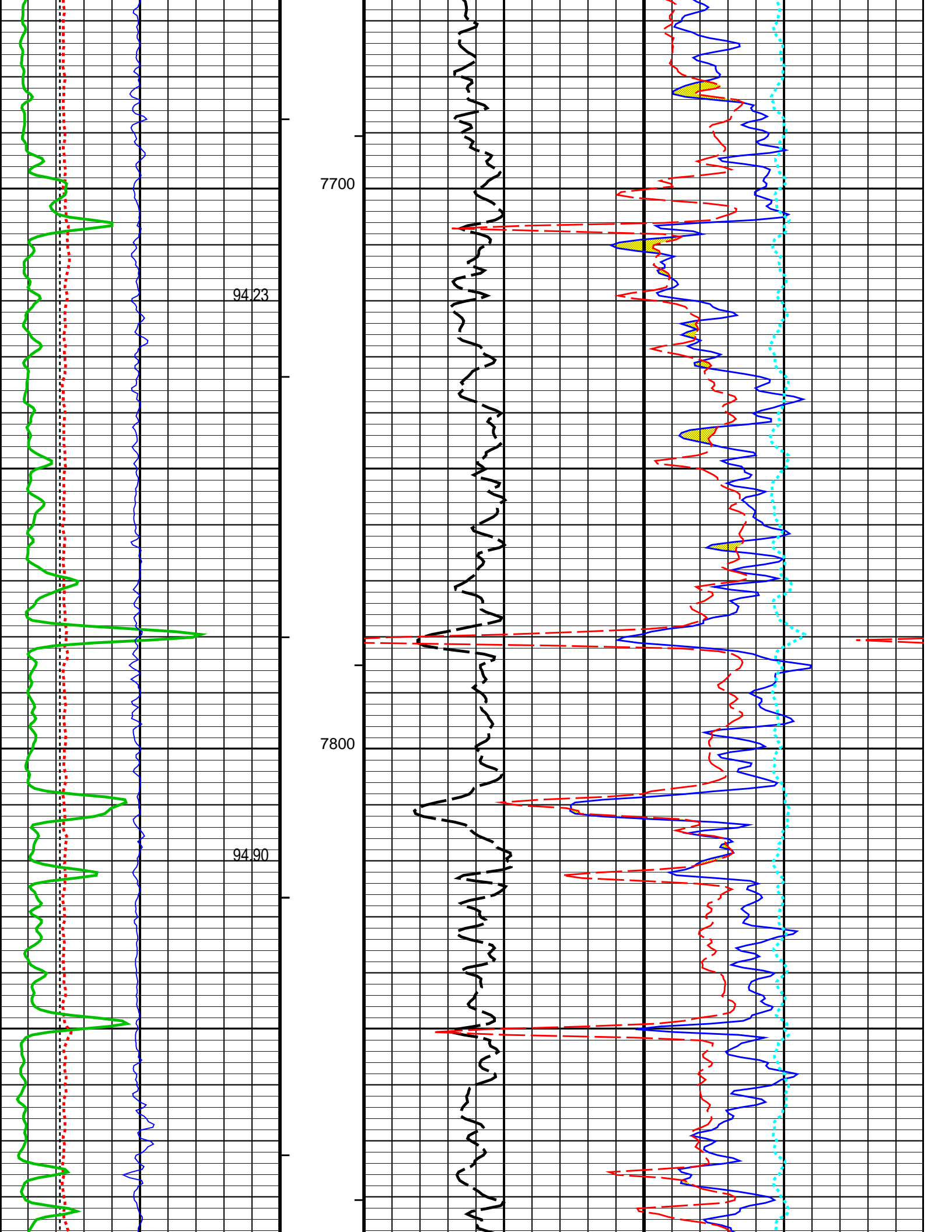


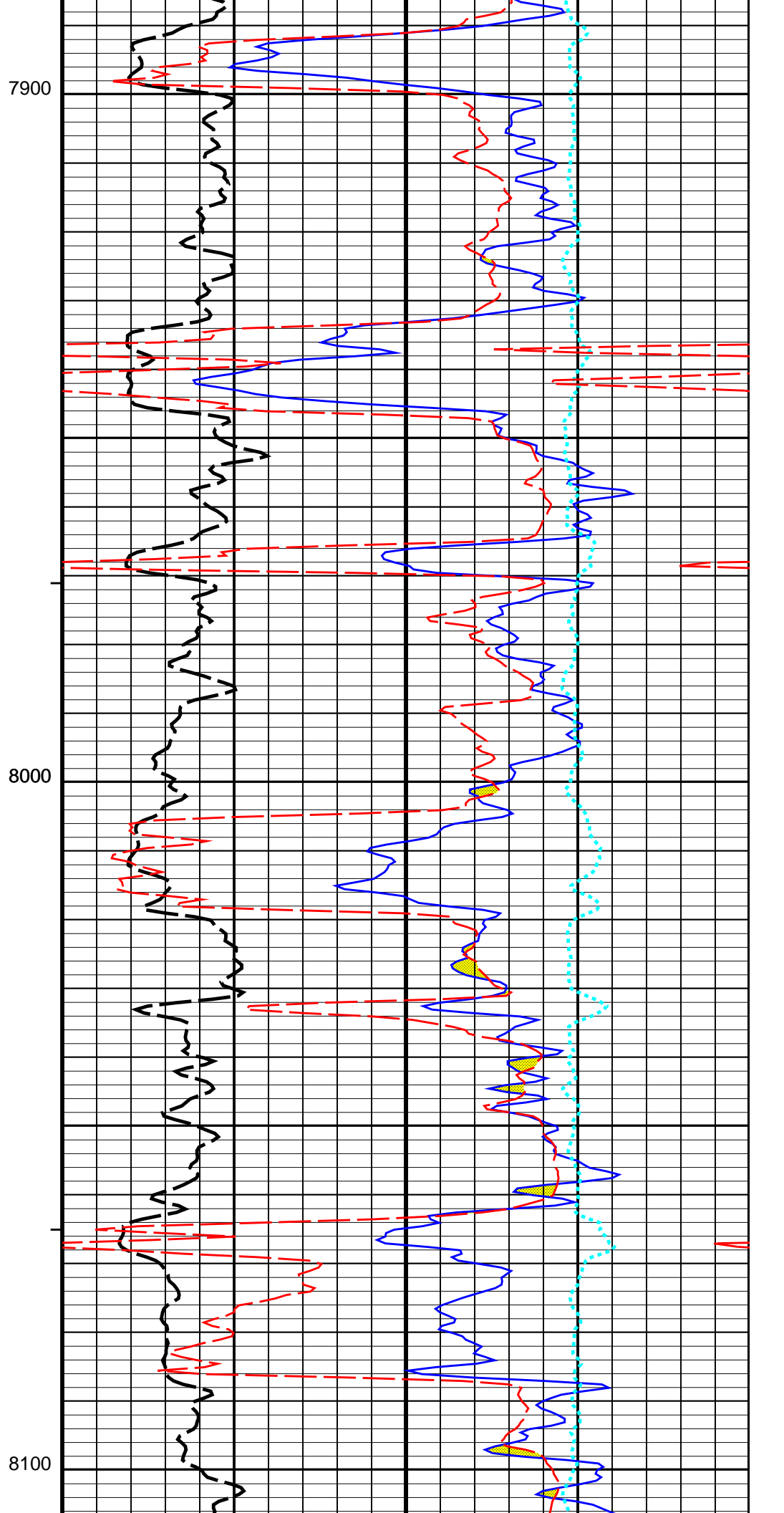
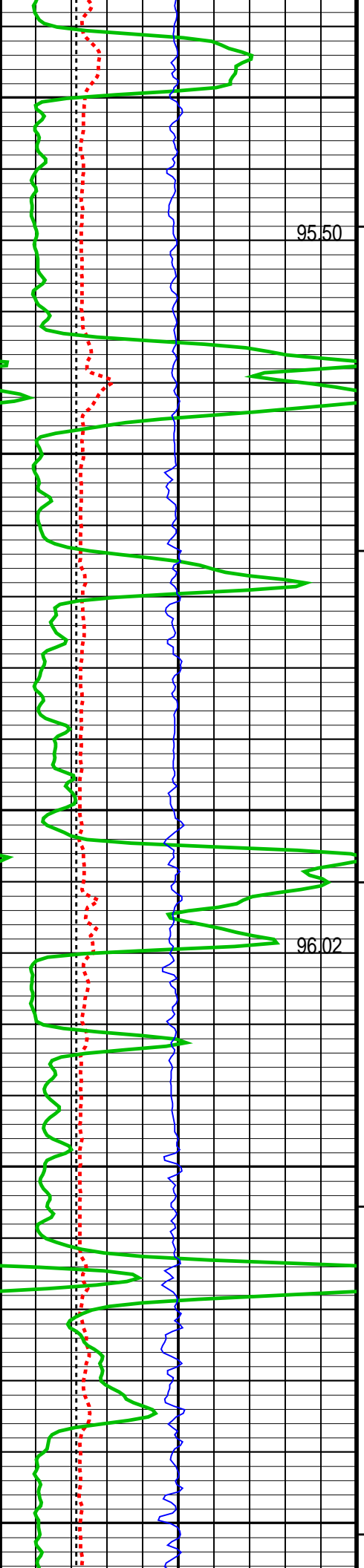


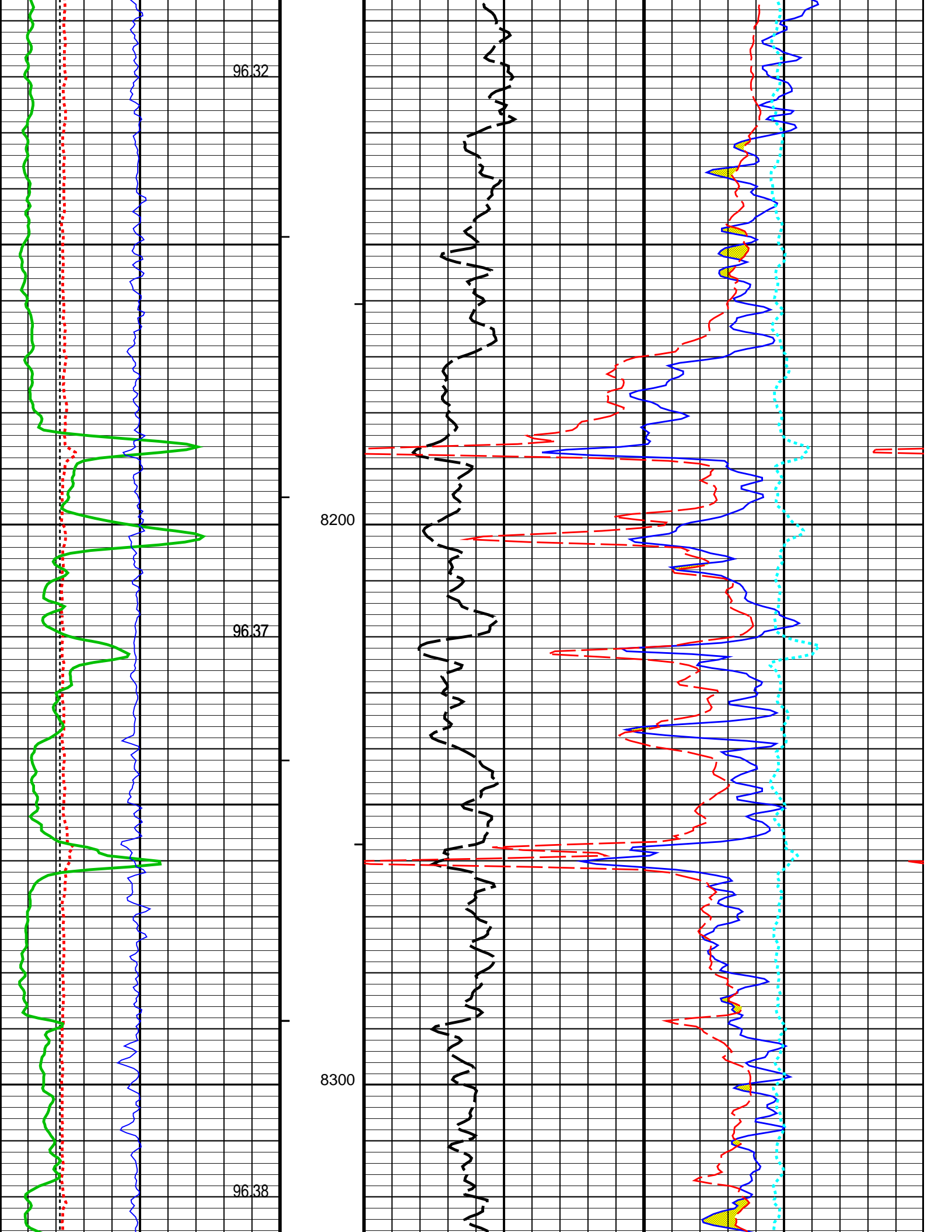


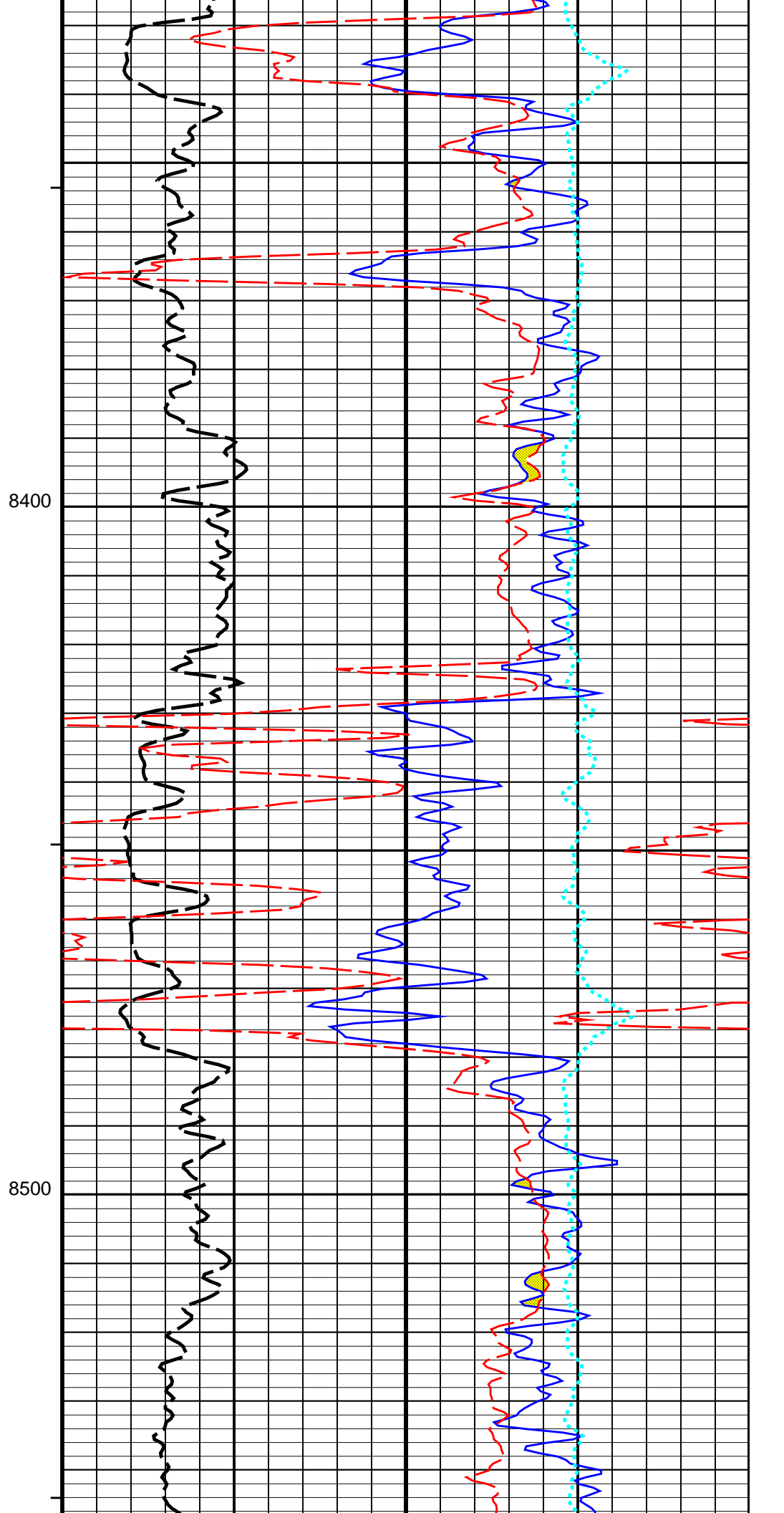
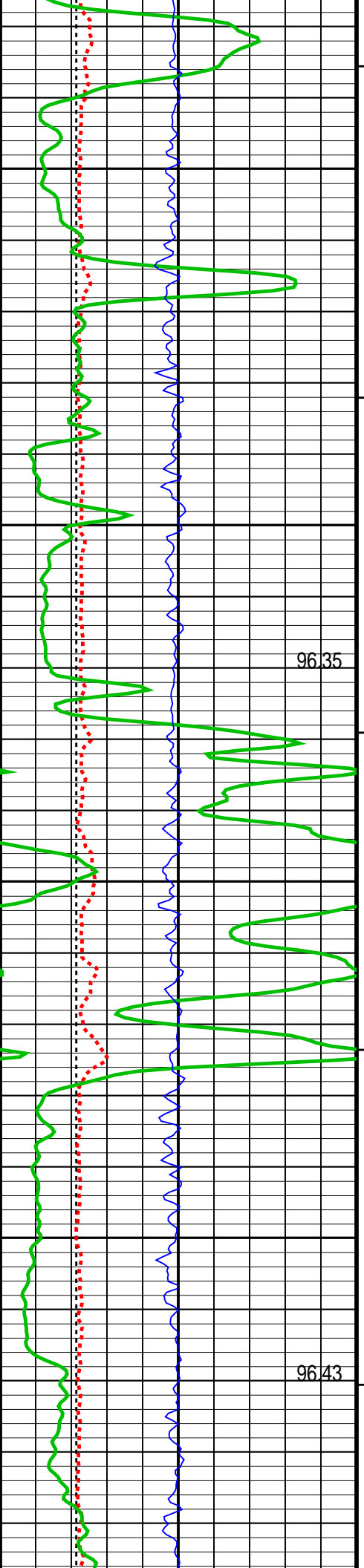




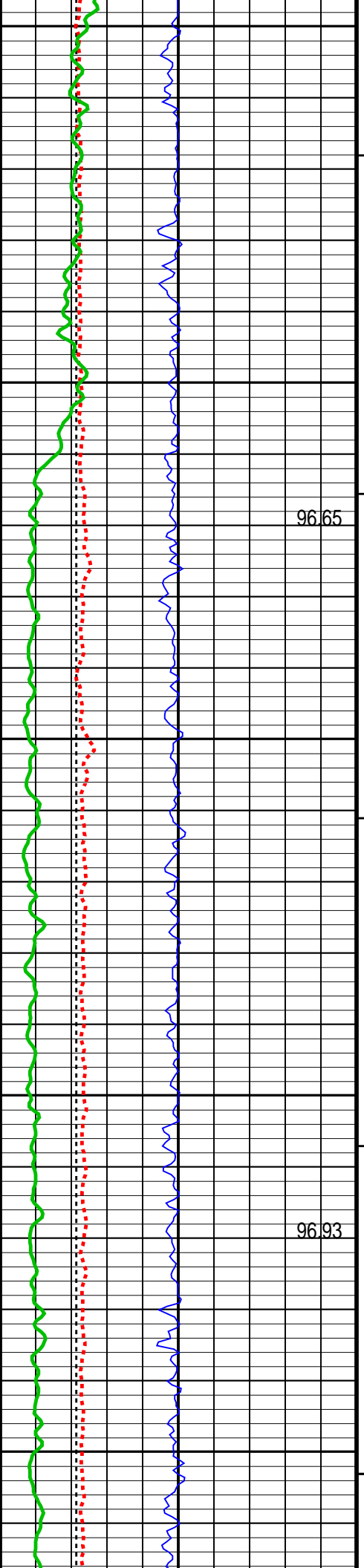










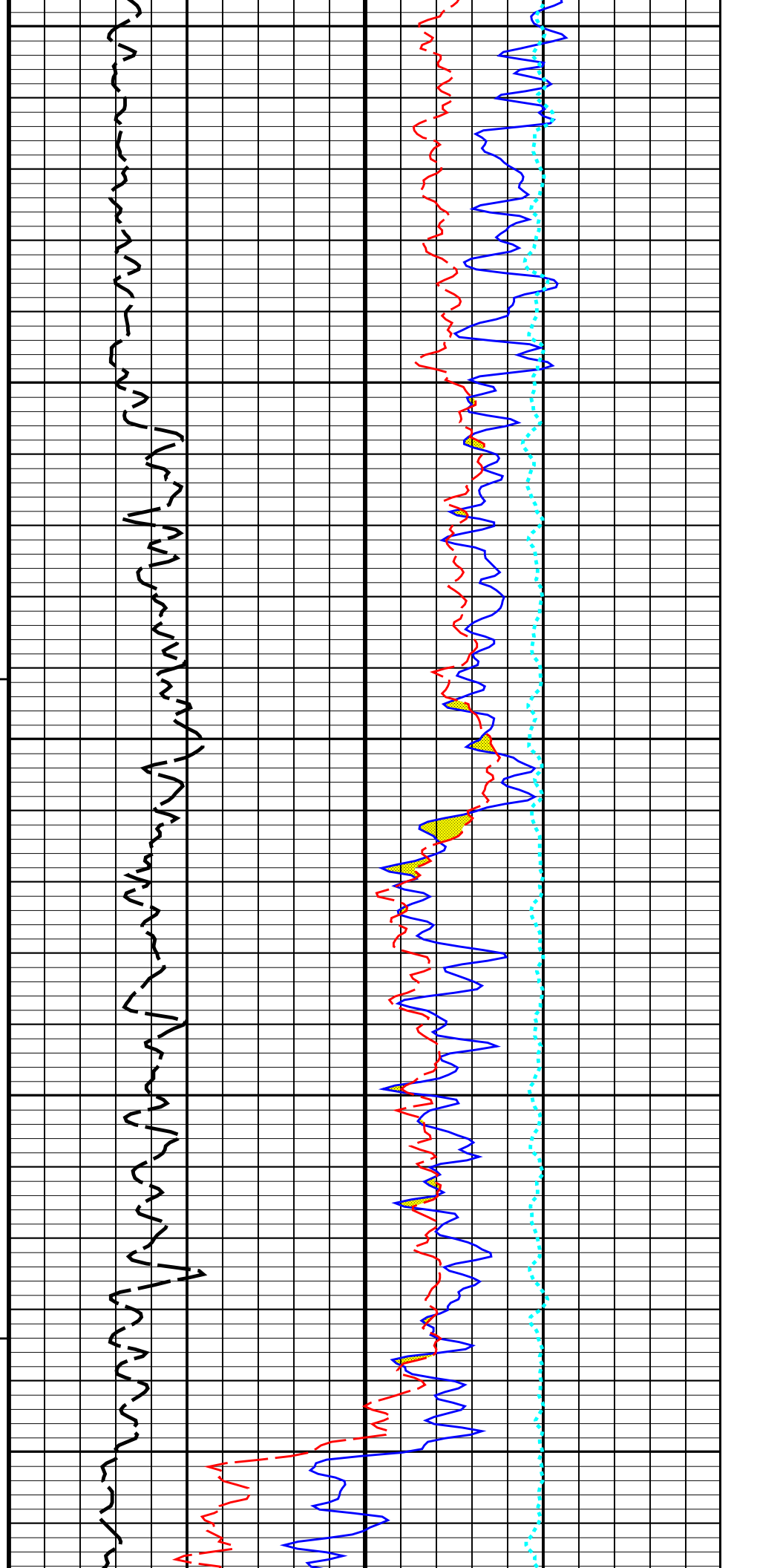


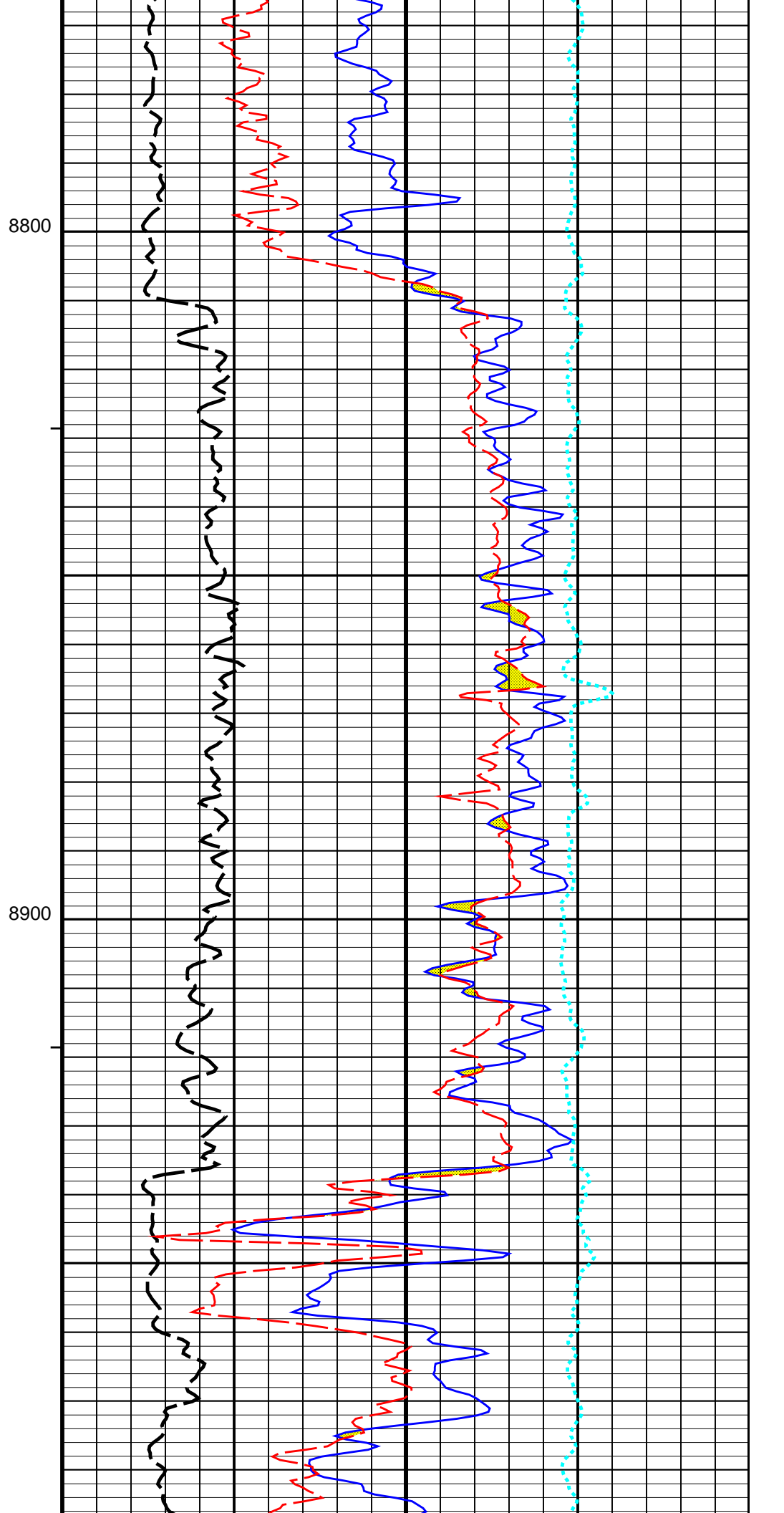
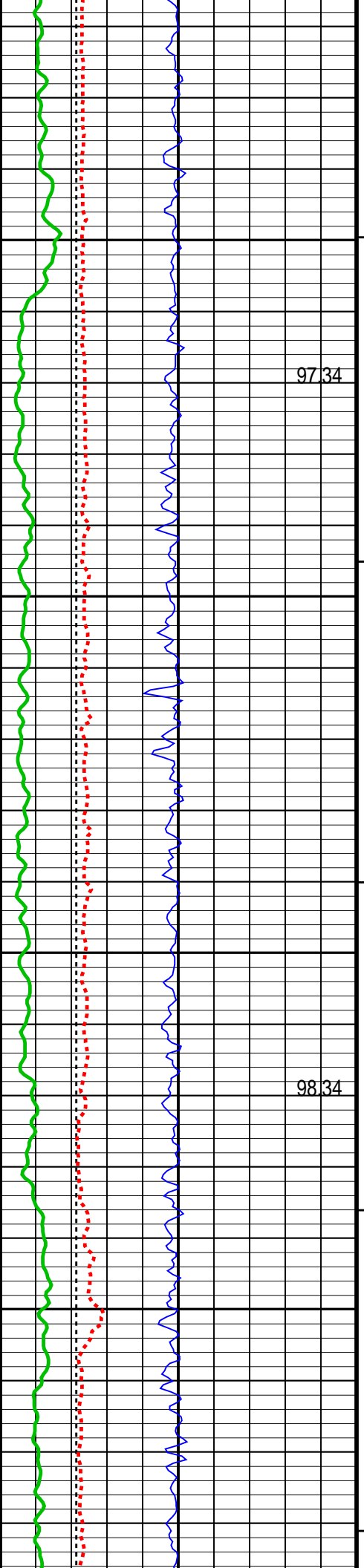
8600

96.65

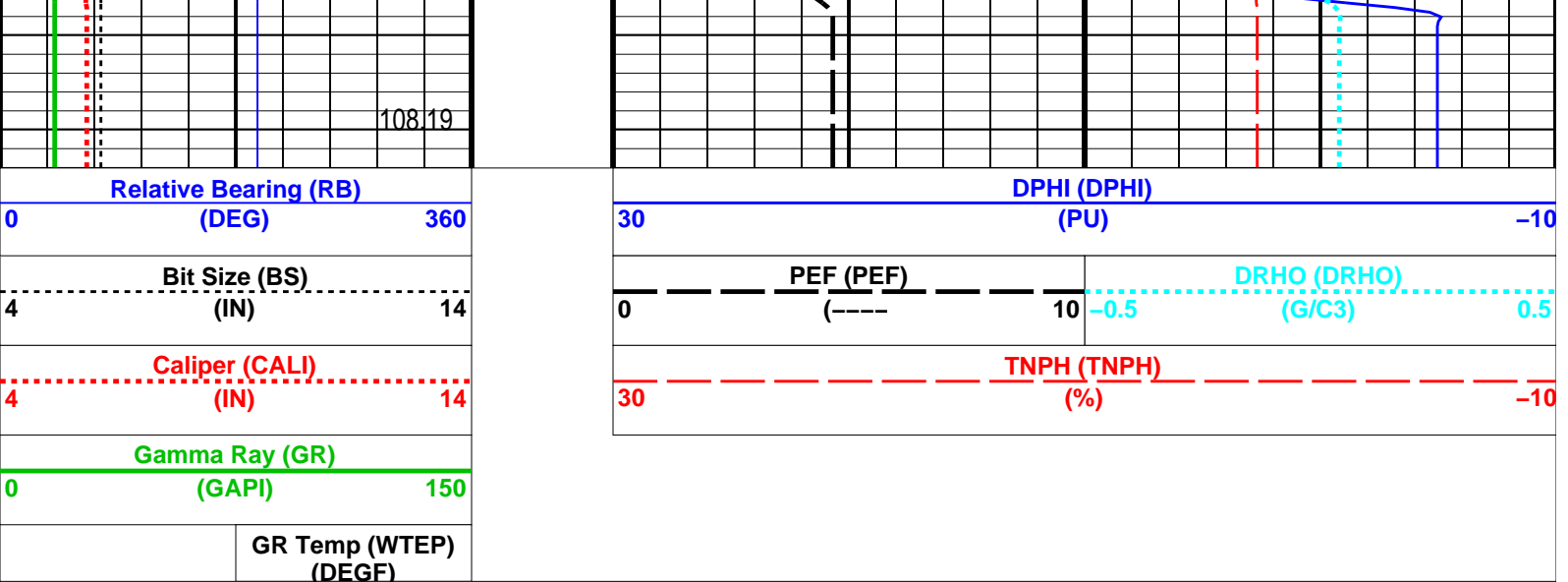
8700

96.93









**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

**Parameters**

DLIS Name	Description	Value
<b>TBT-A: ThruBit String</b>		
BHS	Borehole Status	OPEN
CSAL	Cement Salinity	0.000 ppm
CSID	Casing Size I.D.	6.500 in
DHC	Density Hole Correction	BS
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	DETECT
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	8.400 lbm/gal
<b>HOLEV: Integrated Hole/Cement Volume</b>		
BHS	Borehole Status	OPEN
MATR	Rock Matrix for Neutron Porosity Corrections	LIME
<b>System and Miscellaneous</b>		
BS	Bit Size	6.125 in
BSAL	Borehole Salinity	15000.0 ppm
CSIZ	Current Casing Size	7.000 in

Format: TB\_5INCH\_NUCLEAR    Vertical Scale: 5" per 100'    Graphics File Created: 24-Mar-2014 01:49

**OP System Version: 19C2-270**

TBT                      SRPC-5292-ThruBit\_RevA

**Input DLIS Files**

DEFAULT	ThruBit_010PUP	FN:9	PRODUCER	24-Mar-2014 01:39	9224.0 FT	2588.0 FT
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**Output DLIS Files**

TBT .013	FN:12	24-Mar-2014 01:49
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## MAXIS Field Log

### ThruBit String / Equipment Identification

**Primary Equipment:**

Induction Resistivity	TBI - A	23
Density	TBD - A	24
Gamma-Ray Logging Source	GGLS - FZ	
Thermal Neutron	TBN - A	27
Neutron Logging Source	NNLS - EWA	
Telemetry Memory GR	TMG - A	39
Battery	TBAT -	30
Battery	TBAT -	29

**Auxiliary Equipment:**

ThruBit String Master Calibration					
TBI Master Calibration Sonde Errors					
Freq 1, A1, R	Value	Nominal	Freq 1, A1, X	Value	Nominal
	-457.625	-457.000		112.967	300.000
-536.000 (Minimum)	-387.000 (Maximum)		-500.000 (Minimum)	1100.00 (Maximum)	
(Nominal)			(Nominal)		
Freq 1, A2, R	Value	Nominal	Freq 1, A2, X	Value	Nominal
	-146.666	-141.000		221.973	320.000
-162.000 (Minimum)	-120.000 (Maximum)		-75.0000 (Minimum)	700.000 (Maximum)	
(Nominal)			(Nominal)		
Freq 1, A3, R	Value	Nominal	Freq 1, A3, X	Value	Nominal
	-26.5102	-28.0000		107.168	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
	-16.6401	-16.0000		259.166	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
	-14.1077	-14.0000		128.345	150.000
-21.0000 (Minimum)	-7.00000 (Maximum)		25.0000 (Minimum)	275.000 (Maximum)	
(Nominal)			(Nominal)		
Freq 2, A1, R	Value	Nominal	Freq 2, A1, X	Value	Nominal
	-236.044	-237.000		43.4501	150.000
-293.000 (Minimum)	-186.000 (Maximum)		-375.000 (Minimum)	675.000 (Maximum)	
(Nominal)			(Nominal)		
Freq 2, A2, R	Value	Nominal	Freq 2, A2, X	Value	Nominal
	-95.3698	-92.0000		118.470	160.000
-106.000 (Minimum)	-76.0000 (Maximum)		-100.000 (Minimum)	425.000 (Maximum)	
(Nominal)			(Nominal)		
Freq 2, A3, R	Value	Nominal	Freq 2, A3, X	Value	Nominal
	-20.2933	-21.0000		20.0920	-20.0000
-28.0000 (Minimum)	-13.0000 (Maximum)		-325.000 (Minimum)	250.000 (Maximum)	
(Nominal)			(Nominal)		
Freq 2, A4, R	Value	Nominal	Freq 2, A4, X	Value	Nominal
	-19.5455	-20.0000		82.0408	100.000
-28.0000 (Minimum)	-10.0000 (Maximum)		-75.0000 (Minimum)	275.000 (Maximum)	
(Nominal)			(Nominal)		

(Minimum)	(Nominal)	(Maximum)		(Minimum)	(Nominal)	(Maximum)	
Freq 2, A5, R			Value	Nominal	Freq 2, A5, X		
		-19.1508	-20.0000			-15.3045	-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		
		-147.072	-149.000			-37.0271	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		
		-72.8328	-70.0000			46.7292	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		
		-16.6199	-17.0000			-41.1071	-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		
		-21.0722	-22.0000			-35.1629	-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		
		-21.8976	-22.0000			-120.439	-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		
		-78.2752	-80.0000			-181.264	-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		
		-52.8100	-50.0000			-53.5731	-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		
		-13.5504	-14.0000			-132.819	-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		
		-24.0733	-25.0000			-209.293	-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		
		-27.8922	-28.0000			-299.501	-300.000
-43.0000 (Minimum)	(Nominal)	-12.0000 (Maximum)		-475.000 (Minimum)	(Nominal)	-125.000 (Maximum)	

Master: 16-Jan-2014 9:46

ThruBit String Master Calibration							
TBI Master Calibration COMPLEX GAINS							
Freq 1, R			Value	Nominal	Freq 1, X		
		0.9918	1.000			0.0003467	0
		0.9952	1.000			0.001852	0
		1.003	1.000			-0.006379	0
		0.9919	1.000			0.003083	0
		0.9965	1.000			0.0002911	0
0.9500 (Minimum)	(Nominal)	1.050 (Maximum)		-0.05000 (Minimum)	(Nominal)	0.05000 (Maximum)	
Freq 2, R			Value	Nominal	Freq 2, X		
		0.9867	1.000			-0.008212	0
		0.9899	1.000			-0.006485	0
		0.9919	1.000			-0.007312	0

		0.9875	1.000			-0.005491	0
		0.9934	1.000			-0.009135	0
0.9500 (Minimum)	(Nominal)	1.050 (Maximum)		-0.05000 (Minimum)	(Nominal)	0.05000 (Maximum)	
Freq 3, R			Value	Nominal	Freq 3, X		
			0.9932	1.000			-0.002411
			0.9967	1.000			-0.0007500
			0.9986	1.000			-0.001762
			0.9923	1.000			-0.0005145
			1.001	1.000			-0.003652
0.9500 (Minimum)	(Nominal)	1.050 (Maximum)		-0.05000 (Minimum)	(Nominal)	0.05000 (Maximum)	
Freq 4, R			Value	Nominal	Freq 4, X		
			1.004	1.000			-0.01244
			1.006	1.000			-0.01187
			1.011	1.000			-0.01484
			1.002	1.000			-0.01249
			1.020	1.000			-0.01775
0.9300 (Minimum)	(Nominal)	1.070 (Maximum)		-0.05000 (Minimum)	(Nominal)	0.05000 (Maximum)	

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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
	1896.4	1949.8		2056.1	2096.7		2210.8	2285.7
1799.8 (Minimum)	2099.8 (Maximum)		1946.7 (Minimum)	2246.7 (Maximum)		2135.7 (Minimum)	2435.7 (Maximum)	

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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 (Minimum)	2.657 (Maximum)		1.702 (Minimum)	1.802 (Maximum)		
LS1 Background CPS	Value	Nominal	SS1 Background CPS	Value	Nominal	
	140.87	150.00		156.41	150.00	
130.00 (Minimum)	170.00 (Maximum)		130.00 (Minimum)	170.00 (Maximum)		
LS4 Background CPS	Value	Nominal	SS1 Aluminium CPS	Value	Nominal	
	30.48	31.00		EXCEEDS LIMIT	4234.44	4900.00
27.00 (Minimum)	35.00 (Maximum)		4500.00 (Minimum)	5500.00 (Maximum)		
LS1 Aluminium CPS	Value	Nominal	SS1 Magnesium CPS	Value	Nominal	
	831.41	850.00		EXCEEDS LIMIT	6996.90	8000.00
750.00 (Minimum)	950.00 (Maximum)		7000.00 (Minimum)	9000.00 (Maximum)		
LS4 Aluminium CPS	Value	Nominal				
	967.84	955.00				
843.00 (Minimum)	1068.0 (Maximum)					
LS1 Al + Sleeve CPS	Value	Nominal				
	748.66	725.00				
650.00 (Minimum)	800.00 (Maximum)					
LS4 Al + Sleeve CPS	Value	Nominal				
	EXCEEDS LIMIT	479.98	426.50			
382.00 (Minimum)	471.00 (Maximum)					
LS1 Magnesium CPS	Value	Nominal				

EST Magnesium Cr C		Value	Nominal
		5379.44	5750.00
5250.00 (Minimum)	(Nominal)	6250.00 (Maximum)	
SS Slope		Value	Nominal
		1.634	1.645
1.520 (Minimum)	(Nominal)	1.770 (Maximum)	
LS Slope		Value	Nominal
		0.4188	0.4150
0.3800 (Minimum)	(Nominal)	0.4500 (Maximum)	
Pef K Factor		Value	Nominal
		4.924	4.840
3.510 (Minimum)	(Nominal)	6.170 (Maximum)	
Pef B Factor		Value	Nominal
		-0.6690	-0.5550
-0.7000 (Minimum)	(Nominal)	-0.4100 (Maximum)	

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ThruBit String Master Calibration					
Thermal Neutron Master Calibration					
TNF, Background CPS		Value	Nominal	TNN, Background CPS	
		0.31	1.0		
0 (Minimum)	(Nominal)	2.0 (Maximum)		0 (Minimum)	(Nominal)
TNF, Tank CPS		Value	Nominal	TNN, Tank CPS	
		70.73	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	
		2336.5	3040.0		
727.00 (Minimum)	(Nominal)	6080.0 (Maximum)		8000.00 (Minimum)	(Nominal)
Tank + AI Sleeve Ratio		Value	Nominal	Tank + AI Sleeve Porosity PU	
		11.034	10.797		
10.300 (Minimum)	(Nominal)	11.300 (Maximum)		13.40 (Minimum)	(Nominal)
Tank, Ratio		Value	Nominal	Tank, Temperature DEGF	
		28.942	30.958		
28.000 (Minimum)	(Nominal)	34.000 (Maximum)		20.0 (Minimum)	(Nominal)
				120 (Maximum)	

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ThruBit String Master Calibration					
TMG Accelerometer Calibration					
Minimum Ax, m/s <sup>2</sup>		Value	Nominal	Maximum Ax, m/s <sup>2</sup>	
		N/A	-9.810		
-10.81 (Minimum)	(Nominal)	-8.810 (Maximum)		8.810 (Minimum)	(Nominal)
Minimum Ay, m/s <sup>2</sup>		Value	Nominal	Maximum Ay, m/s <sup>2</sup>	
		N/A	-9.810		
-10.81 (Minimum)	(Nominal)	-8.810 (Maximum)		8.810 (Minimum)	(Nominal)
Minimum Az, m/s <sup>2</sup>		Value	Nominal	Maximum Az, m/s <sup>2</sup>	
		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		Nominal
0 (Minimum)		26.71	30.00	130.2 (Minimum)		162.7
120.0 (Maximum)				195.2 (Maximum)		

Master: 19-Mar-2014 15:34

Company: **SANDRIDGE ENERGY**

Well: **HENRY 3306 2-2H**

Field: **STOHRVILLE**

County: **HARPER**

State: **KANSAS**



DUAL SPACED NEUTRON  
SPECTRAL DENSITY  
MEMORY LOG