

Company: SANDRIDGE ENERGY INC

Well: JANET 3404 1-7H

Field: BLUFF

County: SUMNER

State: KANSAS

SPECTRAL DENSITY / DUAL SPACED NEUTRON GAMMA RAY MEMORY LOG

County: SUMNER
Field: BLUFF
Location: SURF LOC: 500' FNL & 1254' FEL
Well: JANET 3404 1-7H
Company: SANDRIDGE ENERGY INC

LOCATION		SURF LOC: 500' FNL & 1254' FEL		Elev.: K.B. 1253.00 ft	
				G.L. 1238.00 ft	
				D.F. 1253.00 ft	
Permanent Datum:		GROUND LEVEL		Elev.: 1238.00 ft	
Log Measured From:		DRILL FLOOR		15.00 ft above Perm. Datum	
Drilling Measured From:		DRILL FLOOR			
API Serial No.		Section 18		Township 34S	
15191227480100				Range 4W	

	Run 1	Run 2	Run
Logging Date			
Run Number			
Depth Driller			
Schlumberger Depth			
Bottom Log Interval			
Top Log Interval			
Casing Driller Size @ Depth			
Casing Schlumberger			
Bit Size			
Type Fluid In Hole			
Density			
Fluid Loss			
Source Of Sample			
RM @ Measured Temperature			
RMF @ Measured Temperature			
RMC @ Measured Temperature			
Source RWF			
RM @ MRT			
Maximum Recorded Temperatures			
Circulation Stopped			
Logger On Bottom			
Unit Number			
Recorded By			
Witnessed By			

Logging Date: 09 JUNE 2014

Run Number: 1

Depth Driller: 9579 ft

Schlumberger Depth: 9548 ft

Bottom Log Interval: 9530 ft

Top Log Interval: 2500 ft

Casing Driller Size @ Depth: 7.000 in @ 5168 ft

Casing Schlumberger: 5166 ft

Bit Size: 6.125 in

Type Fluid In Hole: WBM

Density: 8.3 lbm/gal

Fluid Loss: 100 cm3

Source Of Sample: SHAKER

RM @ Measured Temperature: 1.250 ohm.m @ 66 degF

RMF @ Measured Temperature: 0.940 ohm.m @ 66 degF

RMC @ Measured Temperature: 2.200 ohm.m @ 66 degF

Source RWF: CALCULATED

RM @ MRT: 0.624 @ 139

Maximum Recorded Temperatures: 139 degF

Circulation Stopped: 09JUNE2014

Logger On Bottom: 09JUNE2014

Unit Number: 4

Recorded By: D. THOMAS

Witnessed By: MIKE WENNIGER

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: THRUBIT
 OS2: PORTAL
 OS3: BIT
 OS4:
 OS5:

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

REMARKS: RUN NUMBER 1
 LEVEL 4 - HORIZONTAL MEMORY PUMP DOWN - BIT DEPTH: 9490'
 ALL SCALES AND PRESENTATIONS PER CLIENT REQUEST
 LIMESTONE MATRIX, 2.71 G/CC, USED TO CALCULATE POROSITIES
 TOOL STRING RAN WITH SWIVEL, SMALL DECENTRALIZER, NO STANDOFFS
 CEMENT VOLUME CALCULATED FOR 4.50" FUTURE CASING, FT3
 HSPM AND PASON USED TO CREATE LOG DEPTH
 LOG DEPTH CORRELATED TO MWD GAMMA AT CUSTOMERS REQUEST

CREW: D. THOMAS, J. HIRST, J. DOTY
 RIG: UNIT # 310

REMARKS: RUN NUMBER 2
 LOG TO: 2500'

RUN 1		
SERVICE ORDER #:	2936	
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

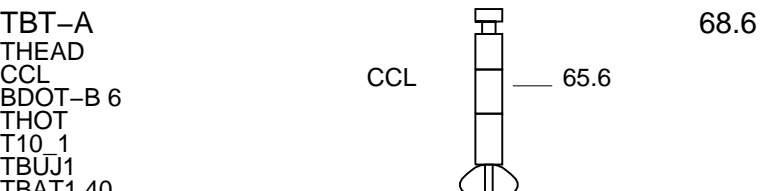
RUN 1

SURFACE EQUIPMENT

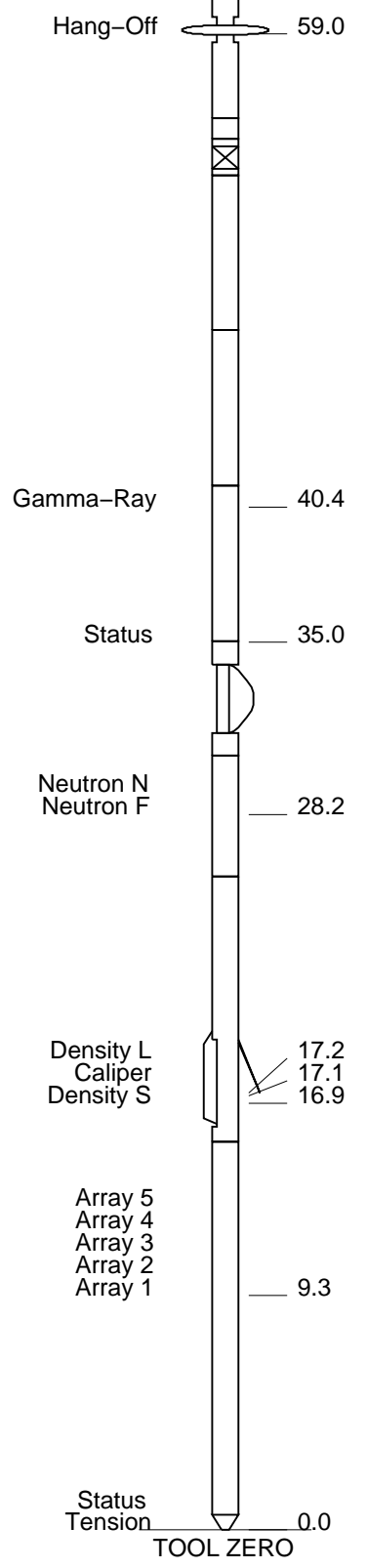
WITM (ThruBit)

RUN 2

DOWNHOLE EQUIPMENT



TBAT2 7
TMG-A 10
TILE-A
TBN-A 5
NNLS-EWA
TBD-A 1
GGLS-FZ
TBI-A 19



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

Schlumberger

MAIN PASS (2"/100' SCALE)

MAXIS Field Log

Company: SANDRIDGE ENERGY INC Well: JANET 3404 1-7H

Input DLIS Files

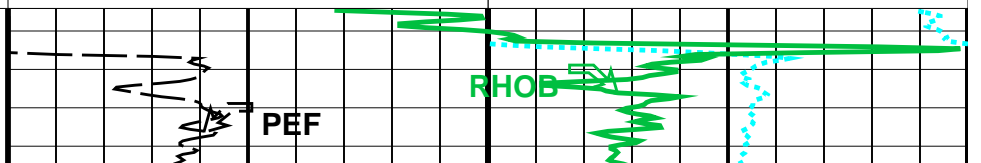
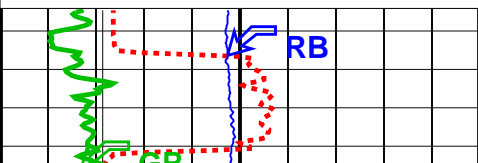
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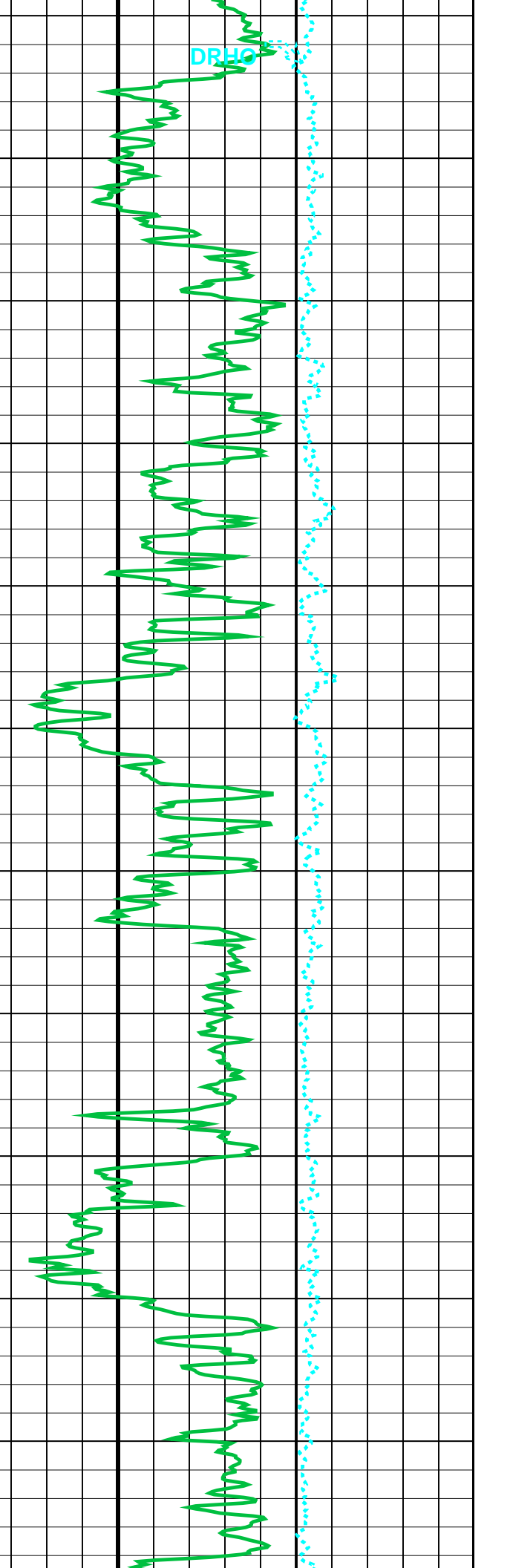
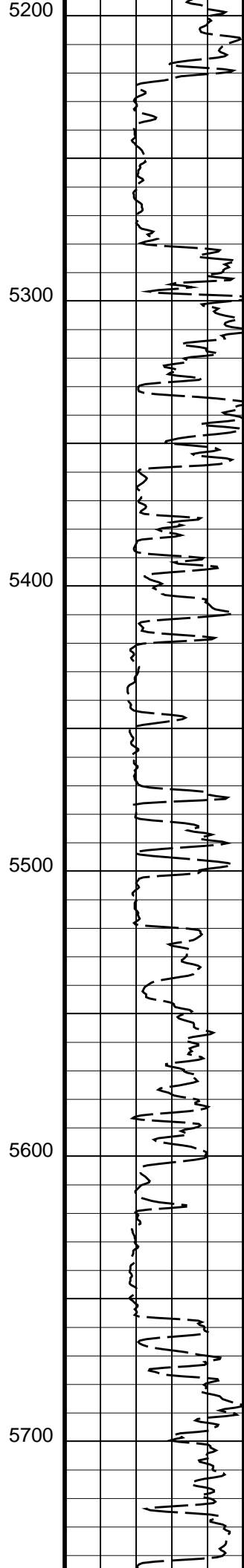
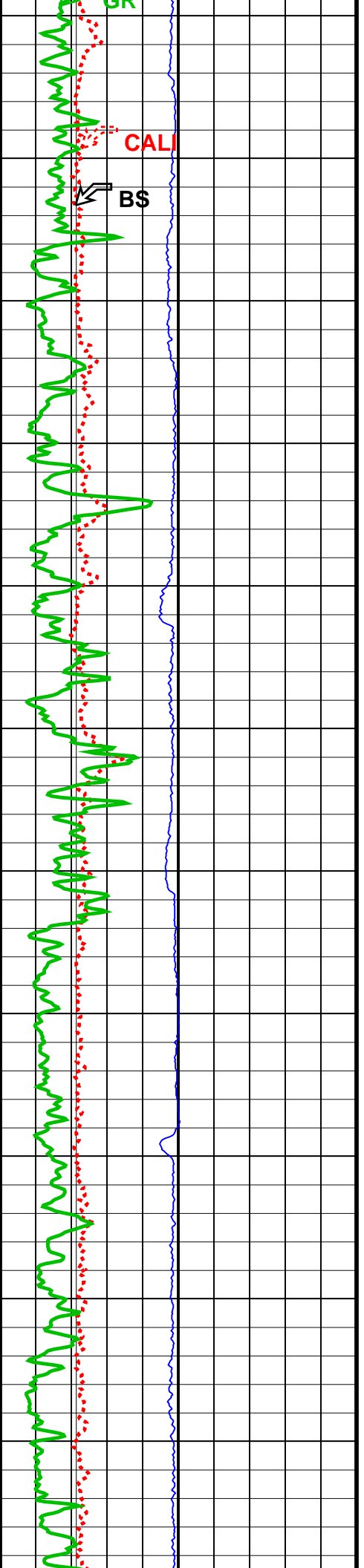
OP System Version: 19C2-270

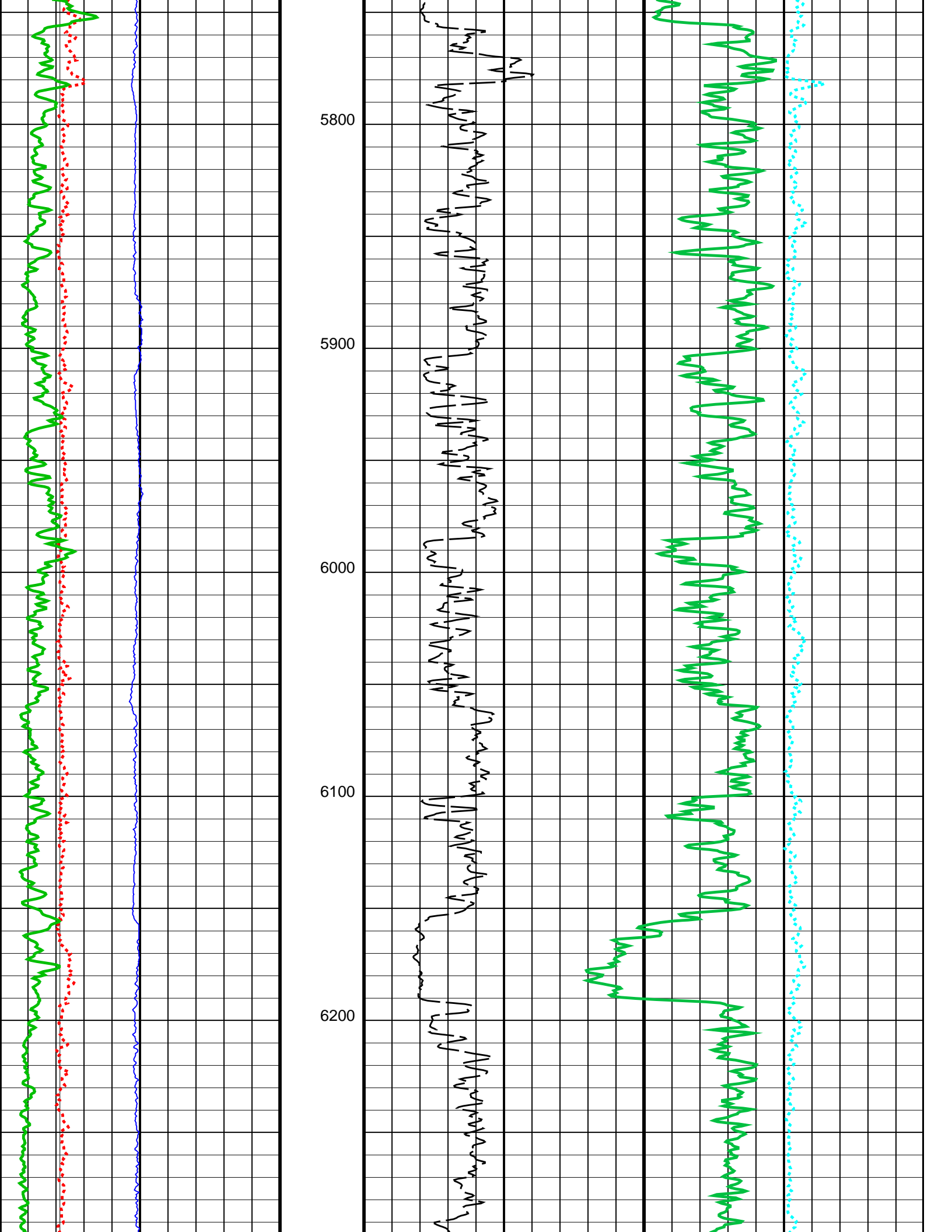
TBT SRPC-5298-ThruBit_b

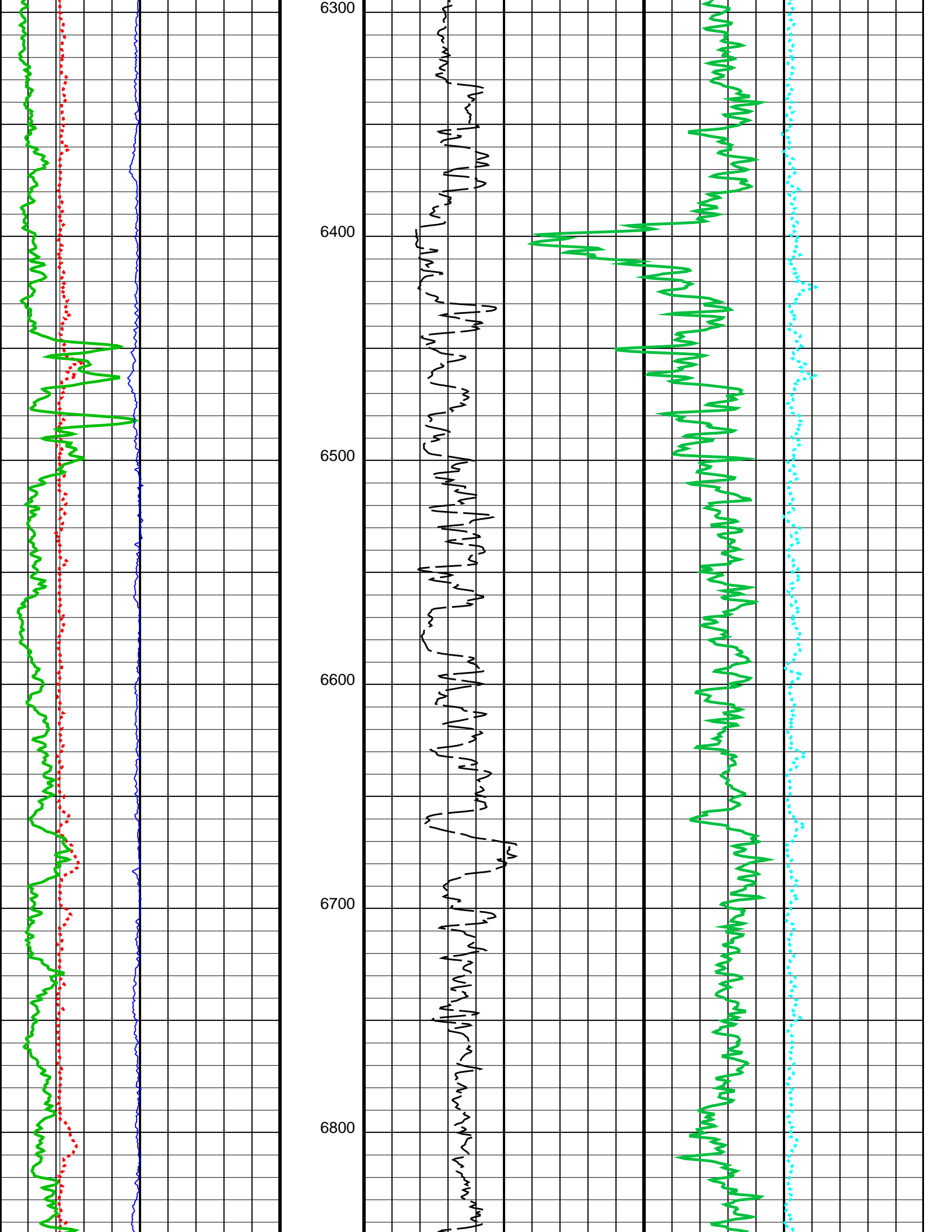
Gamma Ray (GR) (GAPI)	0	150
Caliper (CALI) (IN)	4	14
Relative Bearing (RB) (DEG)	0	360
Bit Size (BS) (IN)	4	14

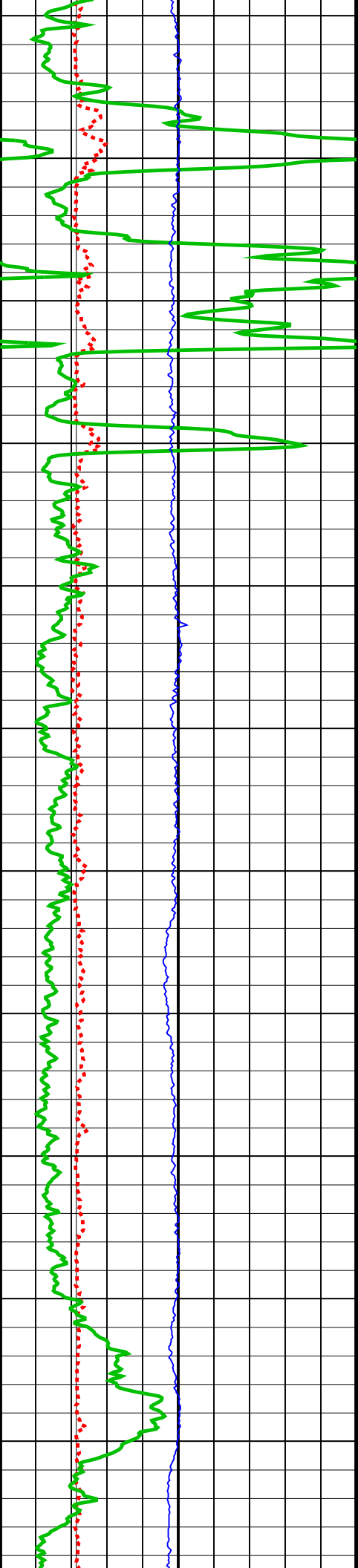
RHOB (RHOB) (G/C3)	2	3
PEF (PEF) (---	0	10
DRHO (DRHO) (G/C3)	-0.5	0.5





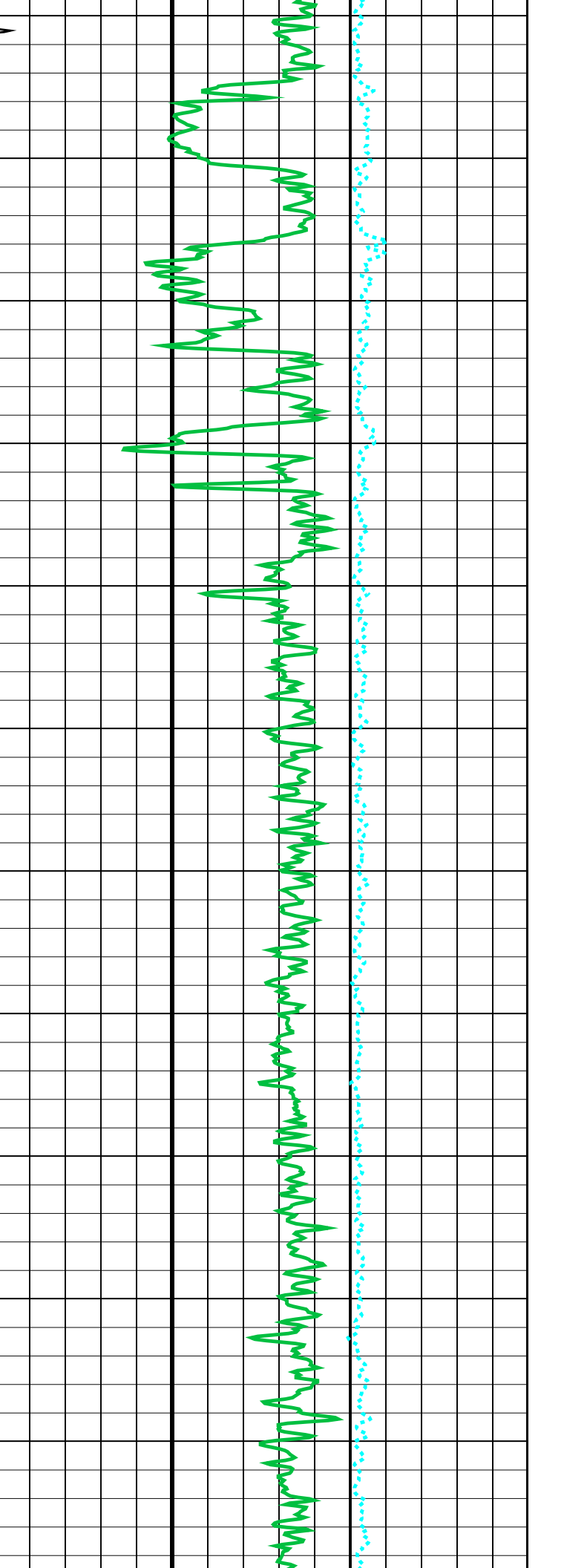


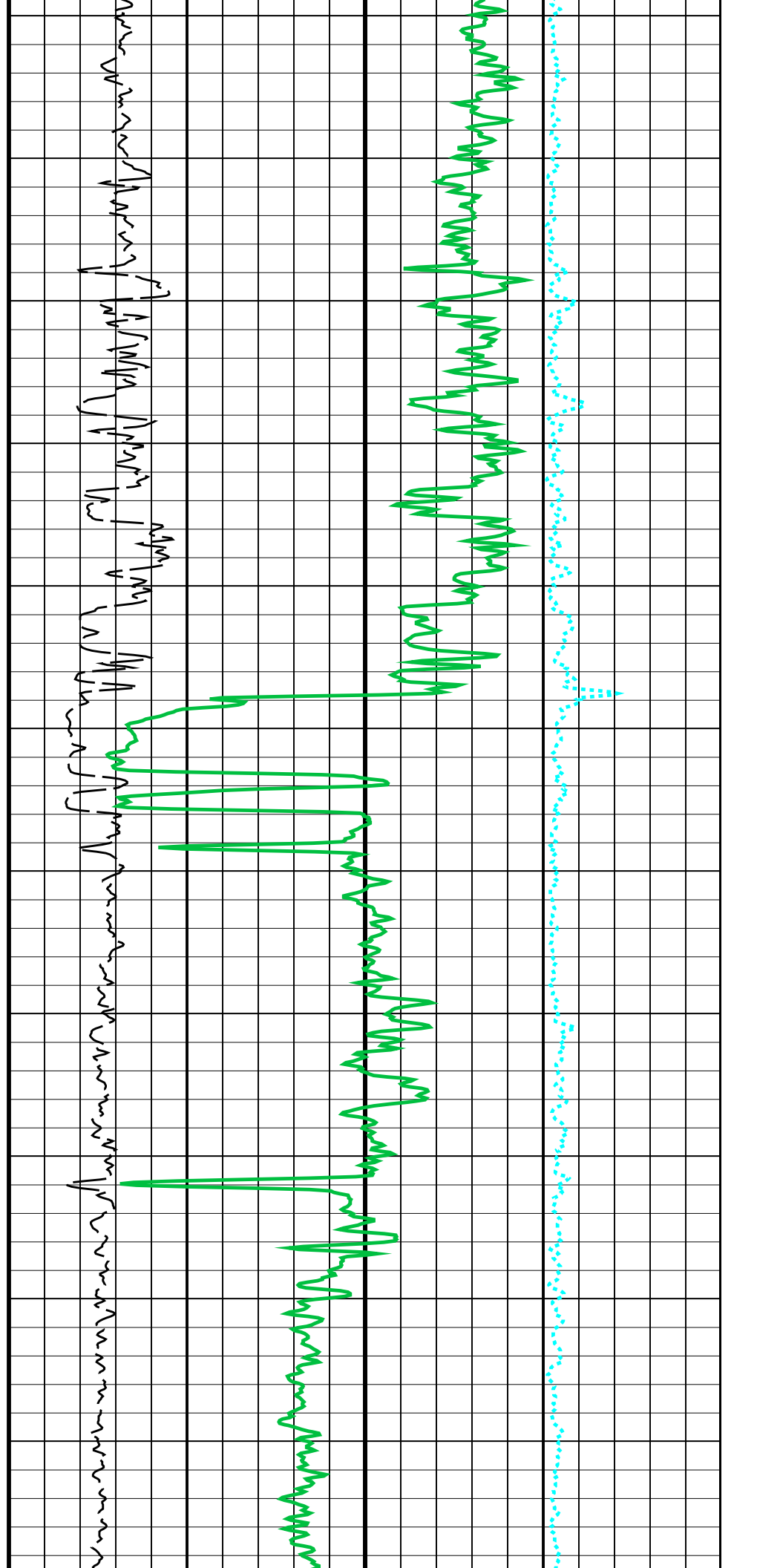
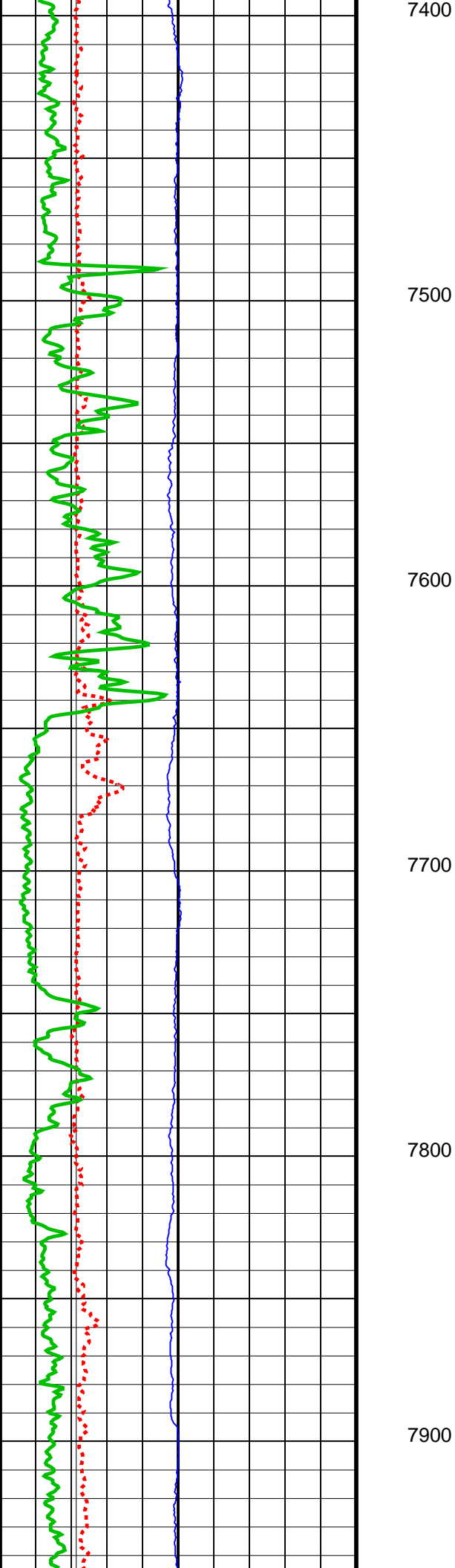


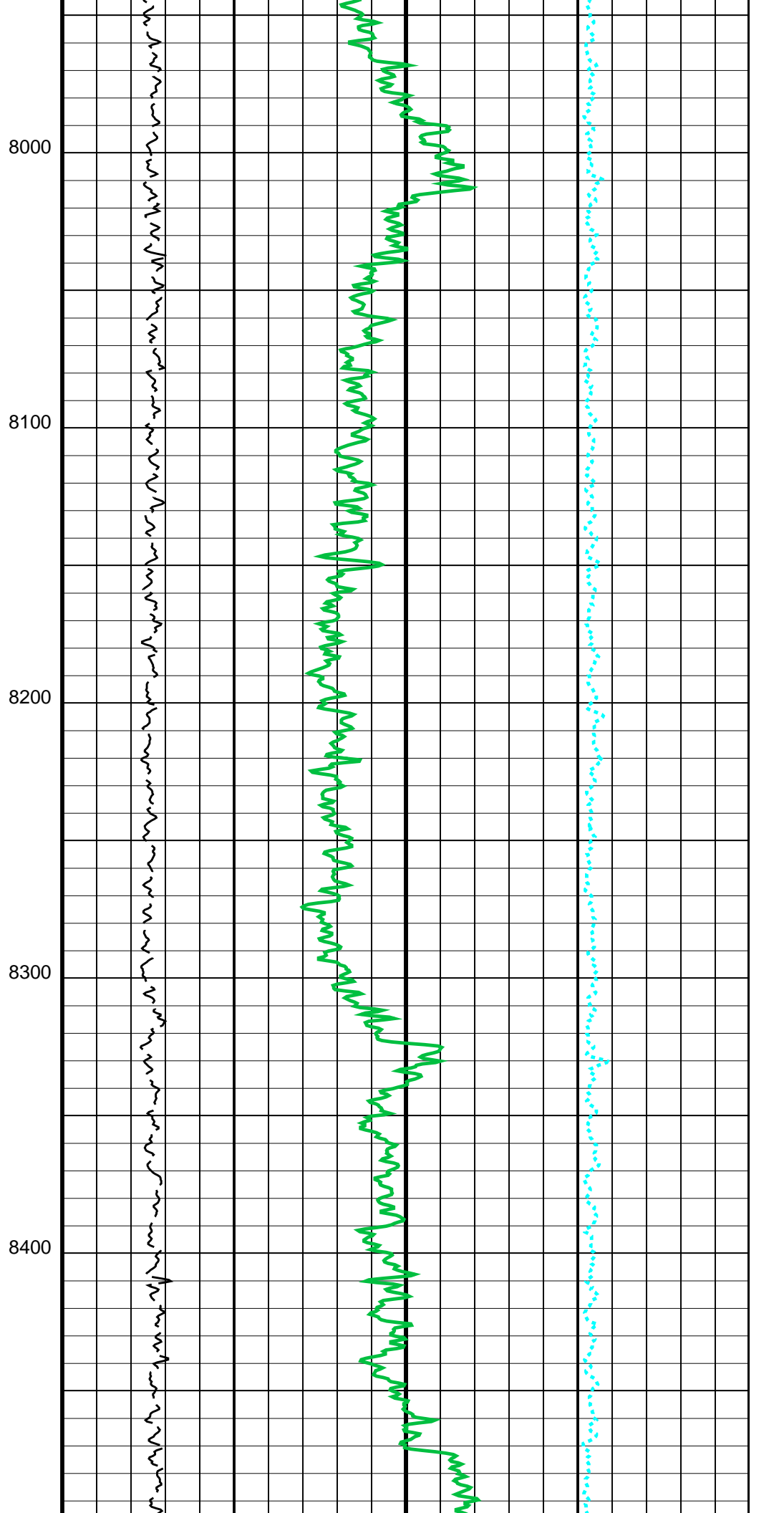
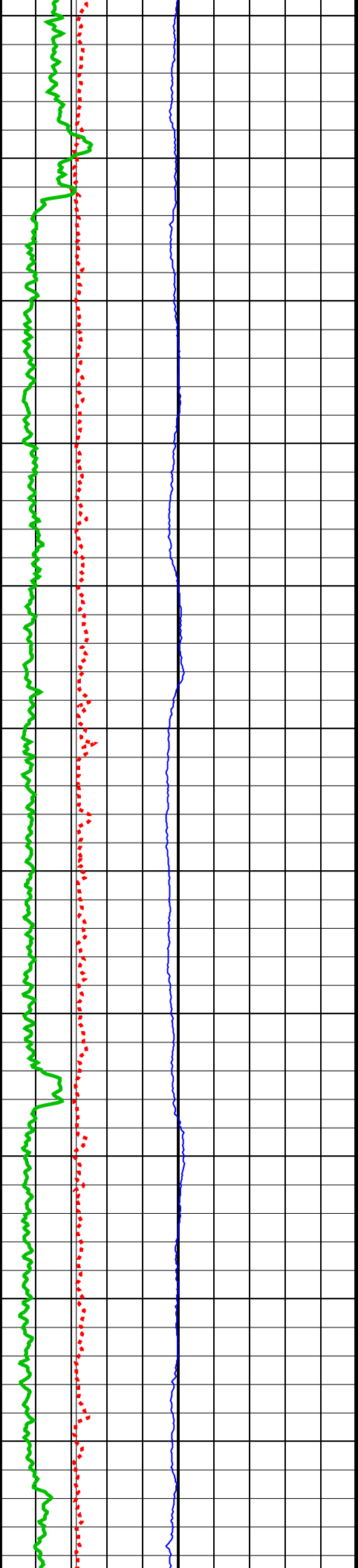


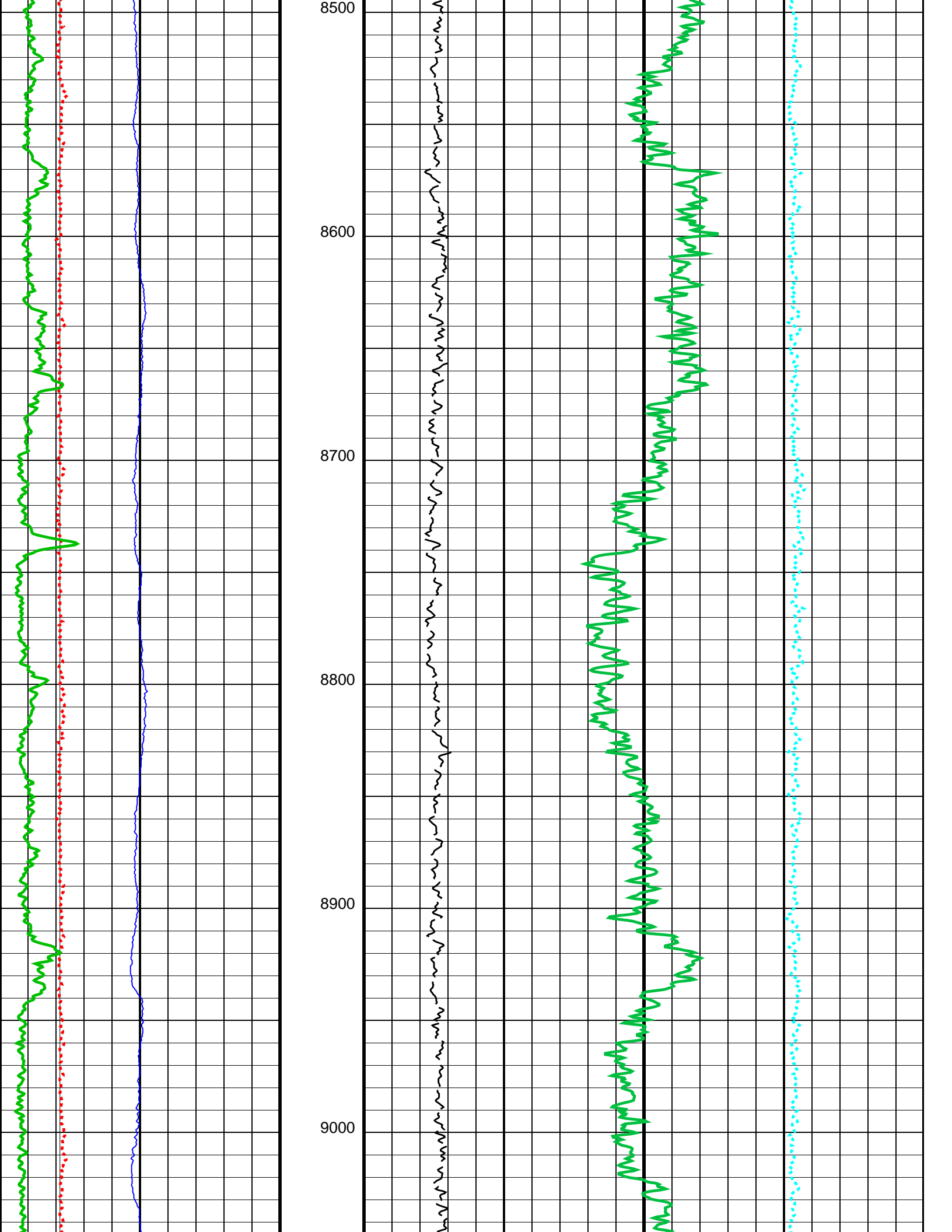
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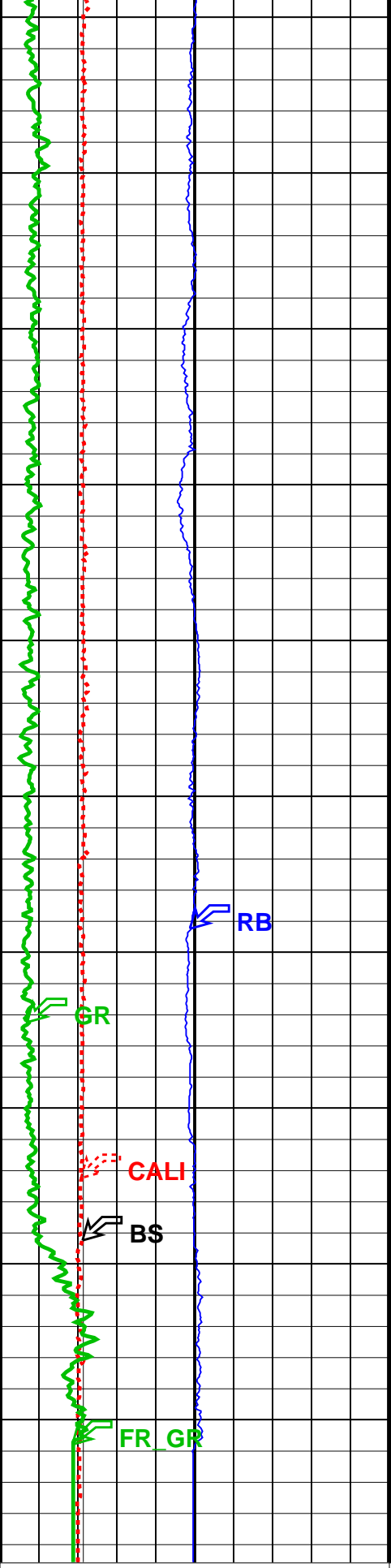
Handwritten notes in a cursive script, likely describing geological observations or data interpretations. The text is oriented vertically and includes phrases such as "Mudstone", "Sandstone", "Limestone", and "Shale".



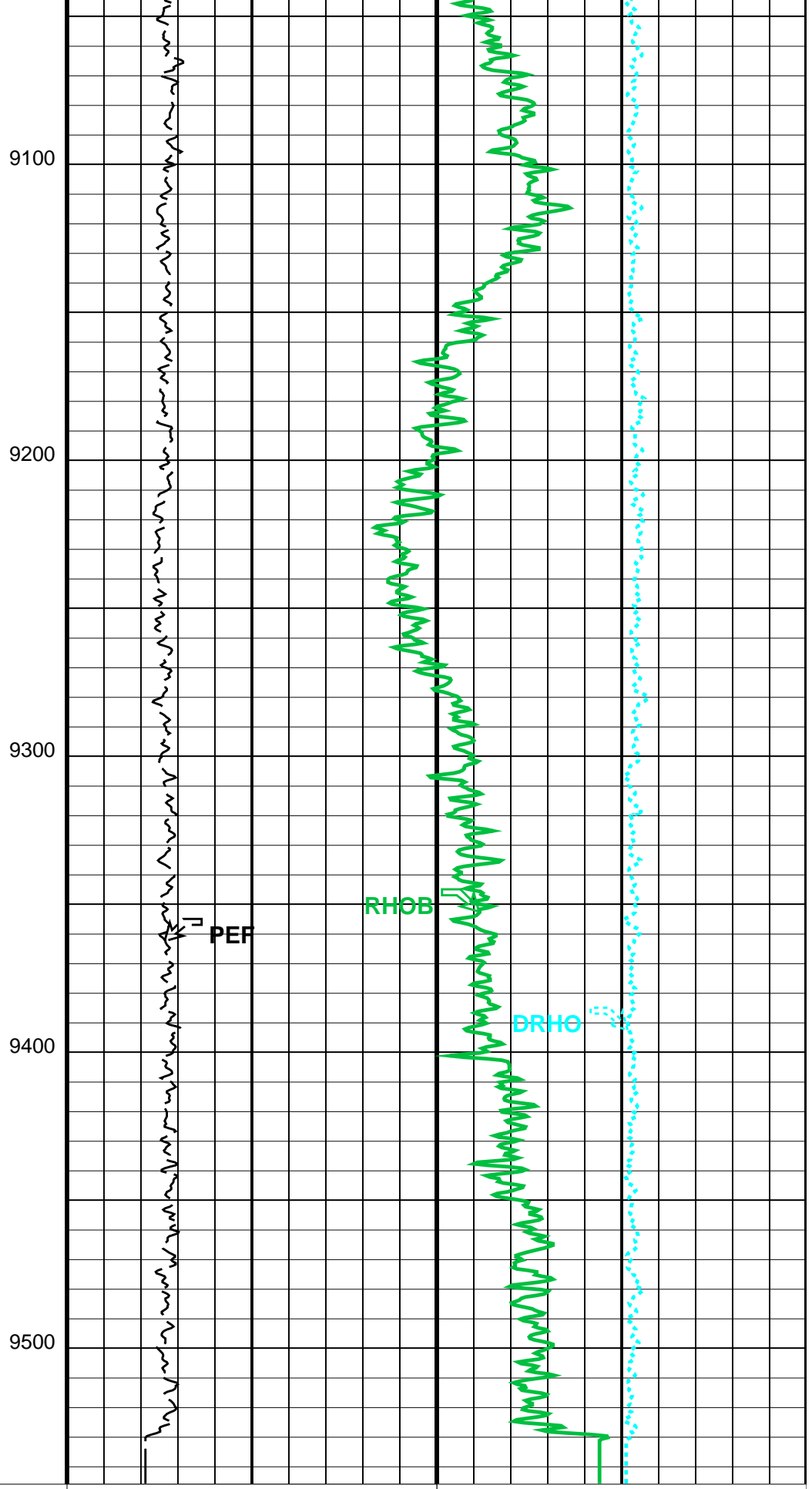








4	Bit Size (BS) (IN)	14
0	Relative Bearing (RB) (DEG)	360



0	PEF (PEF) (-----)	10
-0.5	DRHO (DRHO) (G/C3)	0.5
2	RHOB (RHOB) (G/C3)	3

Caliper (CALI)		
4	(IN)	14
Gamma Ray (GR)		
0	(GAPI)	150

Parameters

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	DETECT
TBD_SPIKE_THRESHOLD	TBD Attenuation Change Threshold for Spike Detection	5.000 %
WMUD	Mud Weight	8.300 lbm/gal
DIR: Directional Survey Computation		
SPVD	TVD of Starting Point	0.000 ft
TIMD	Along-hole depth of Tie-in Point	0.000 ft
TIVD	TVD of Tie-in Point	0.000 ft
System and Miscellaneous		
BS	Bit Size	6.125 in

Format: TB_2INCH_NUCLEAR Vertical Scale: 2" per 100' Graphics File Created: 09-Jun-2014 21:20

OP System Version: 19C2-270

TBT SRPC-5298-ThruBit_b

Input DLIS Files

DEFAULT	ThruBit_012PUP	FN:11	PRODUCER	09-Jun-2014 21:13	9546.0 FT	2390.0 FT
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MAIN PASS (5"/100' SCALE)

MAXIS Field Log

Company: SANDRIDGE ENERGY INC

Well: JANET 3404 1-7H

Input DLIS Files

DEFAULT	ThruBit_012PUP	FN:11	PRODUCER	09-Jun-2014 21:13	9546.0 FT	2390.0 FT
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Integrated Hole/Cement Volume Summary

Hole Volume = 926.59 ft³
 Cement Volume = 442.91 ft³ (assuming 4.50 in casing O.D.)
 Computed from 9545.0 ft to 5166.0 ft

OP System Version: 19C2-270

TBT SRPC-5298-ThruBit_b

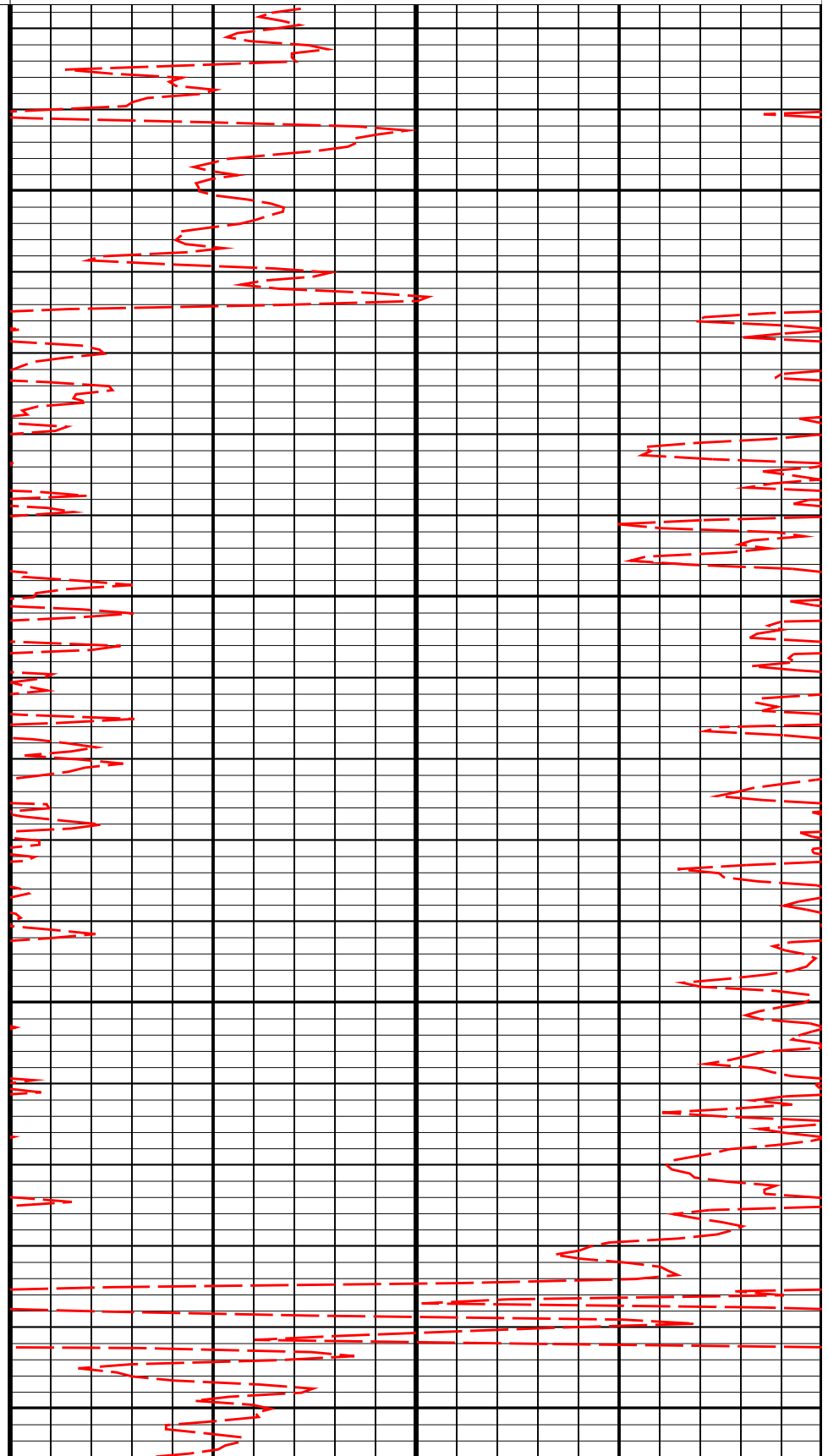
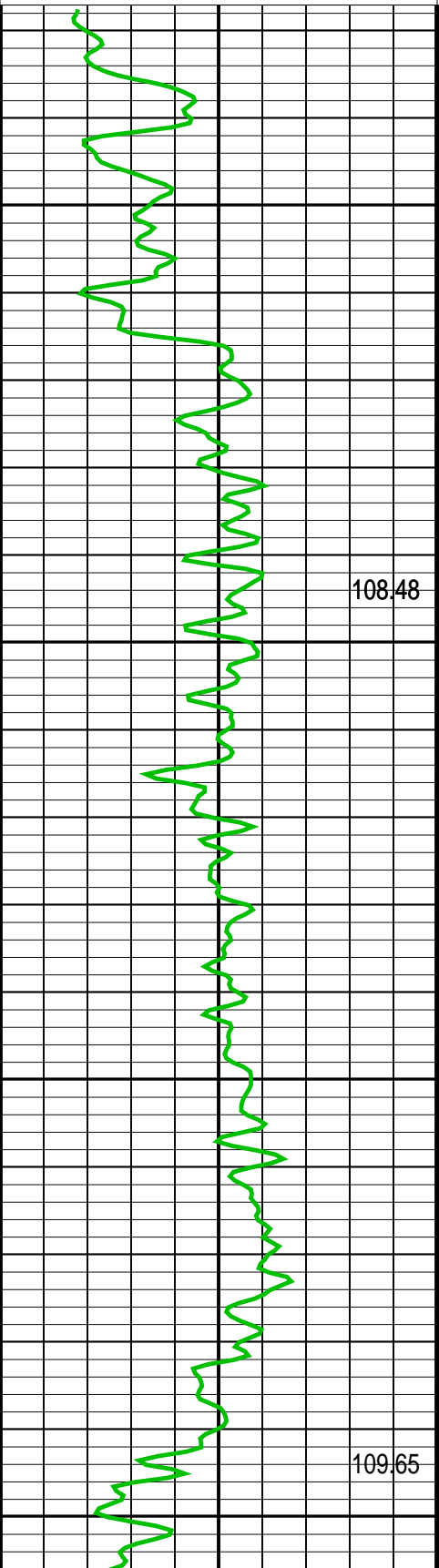
PIP SUMMARY

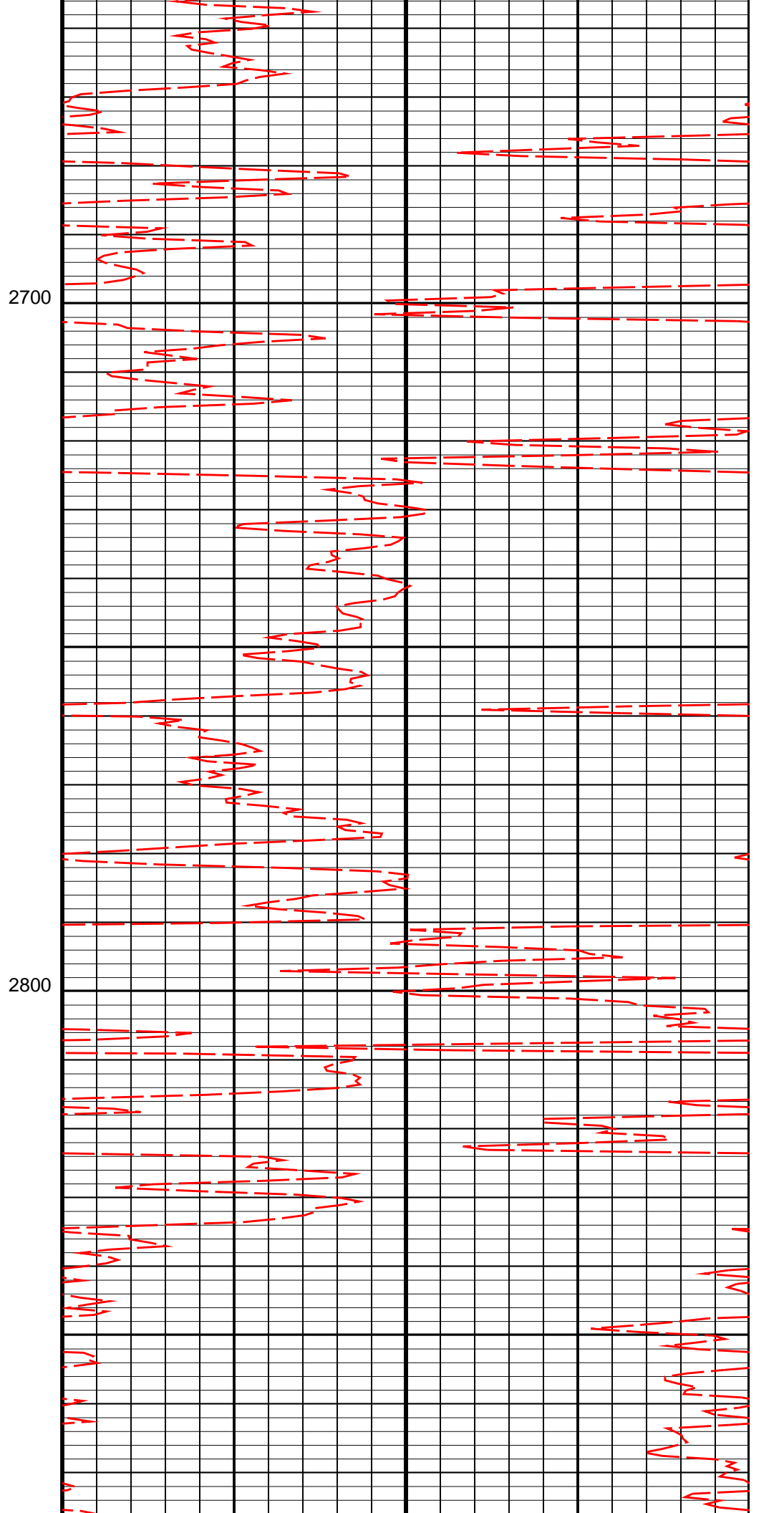
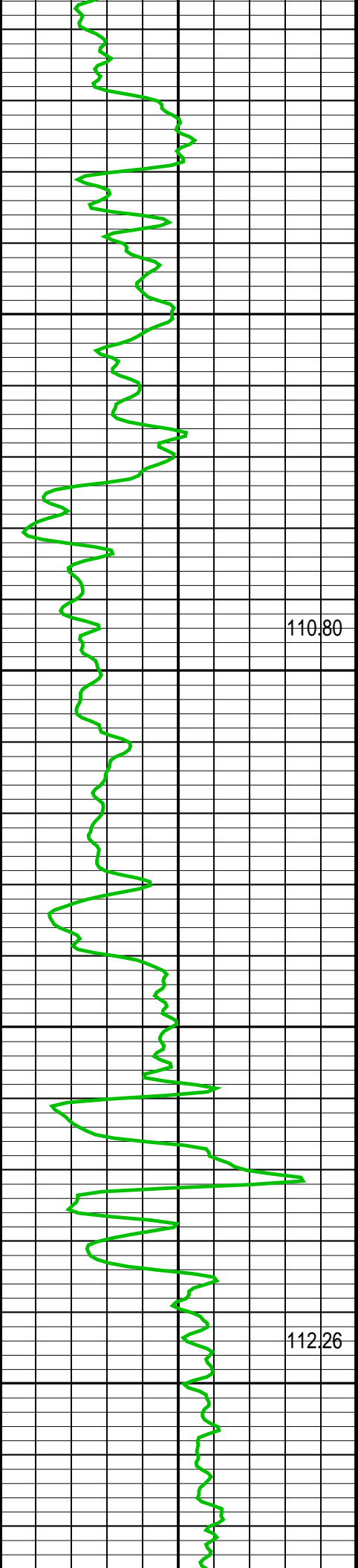
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- Integrated Cement Volume Minor Pip Every 10 F3
- Integrated Hole Volume Major Pip Every 100 F3
- Integrated Hole Volume Minor Pip Every 10 F3

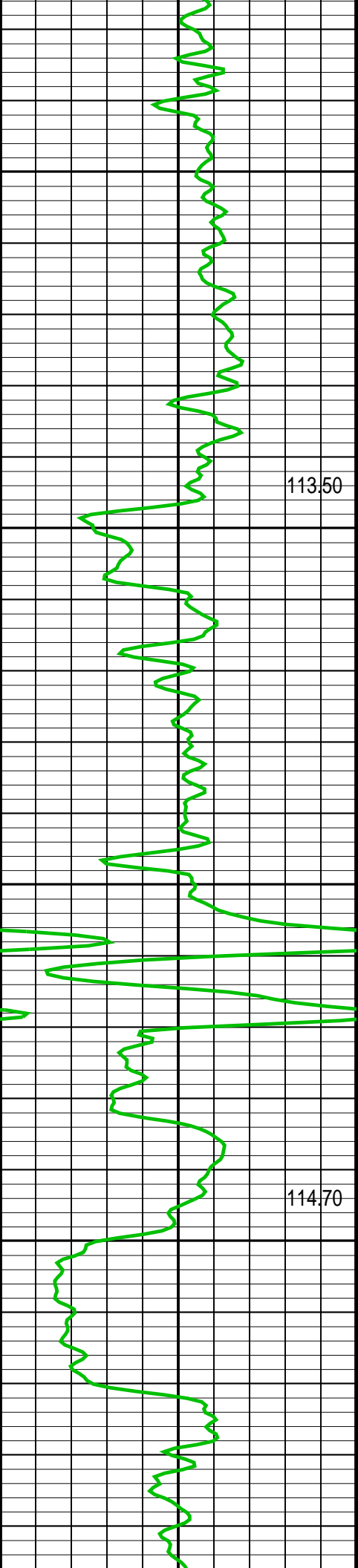
GR Temp (WTEP)

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

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





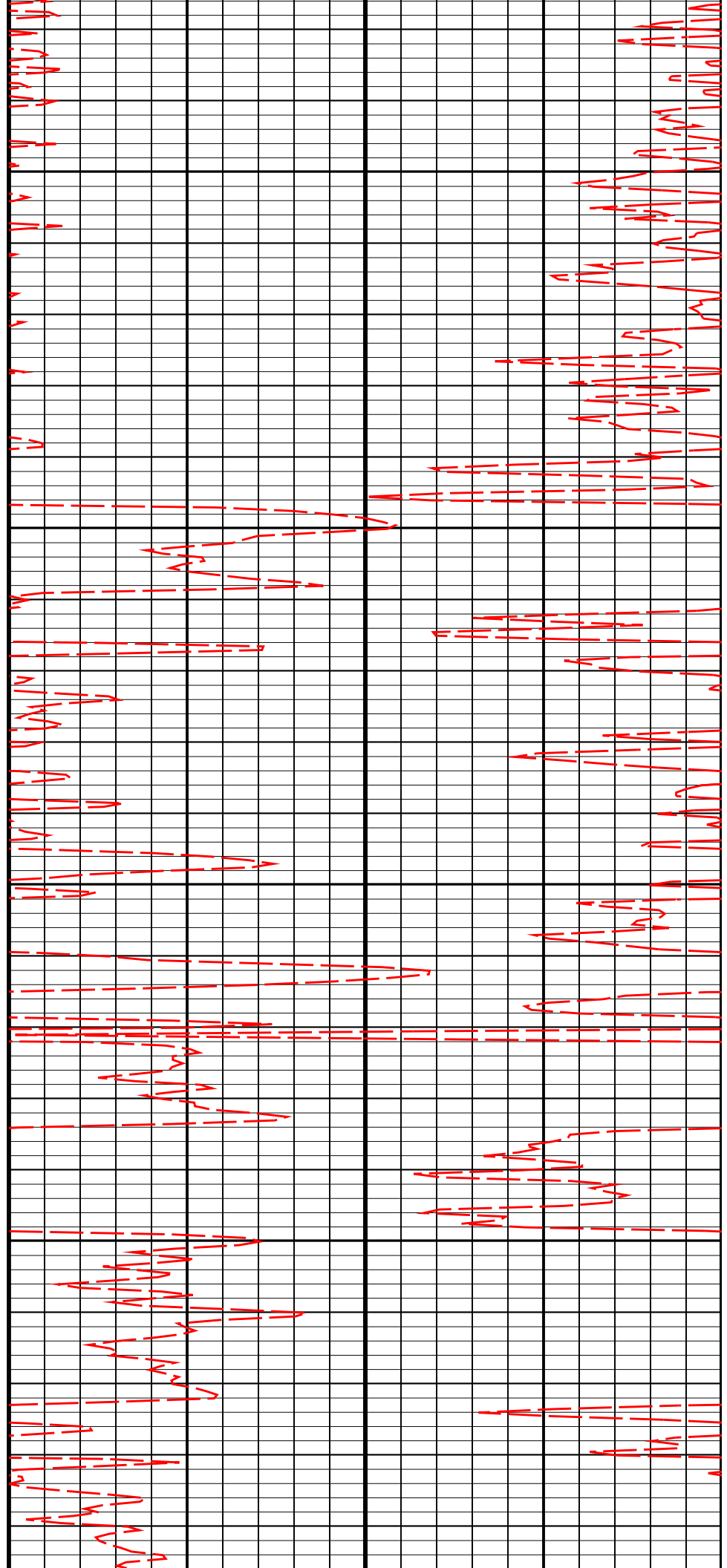


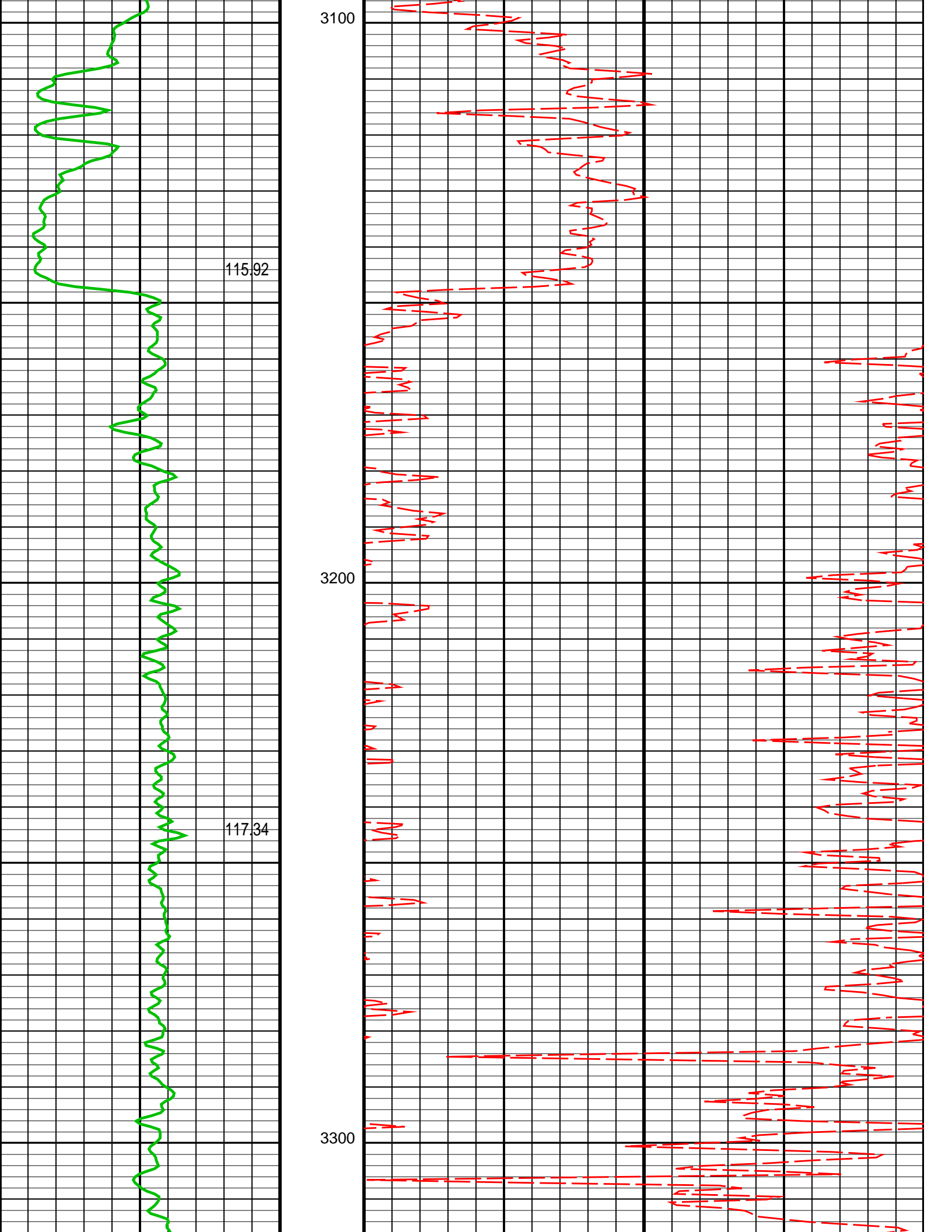
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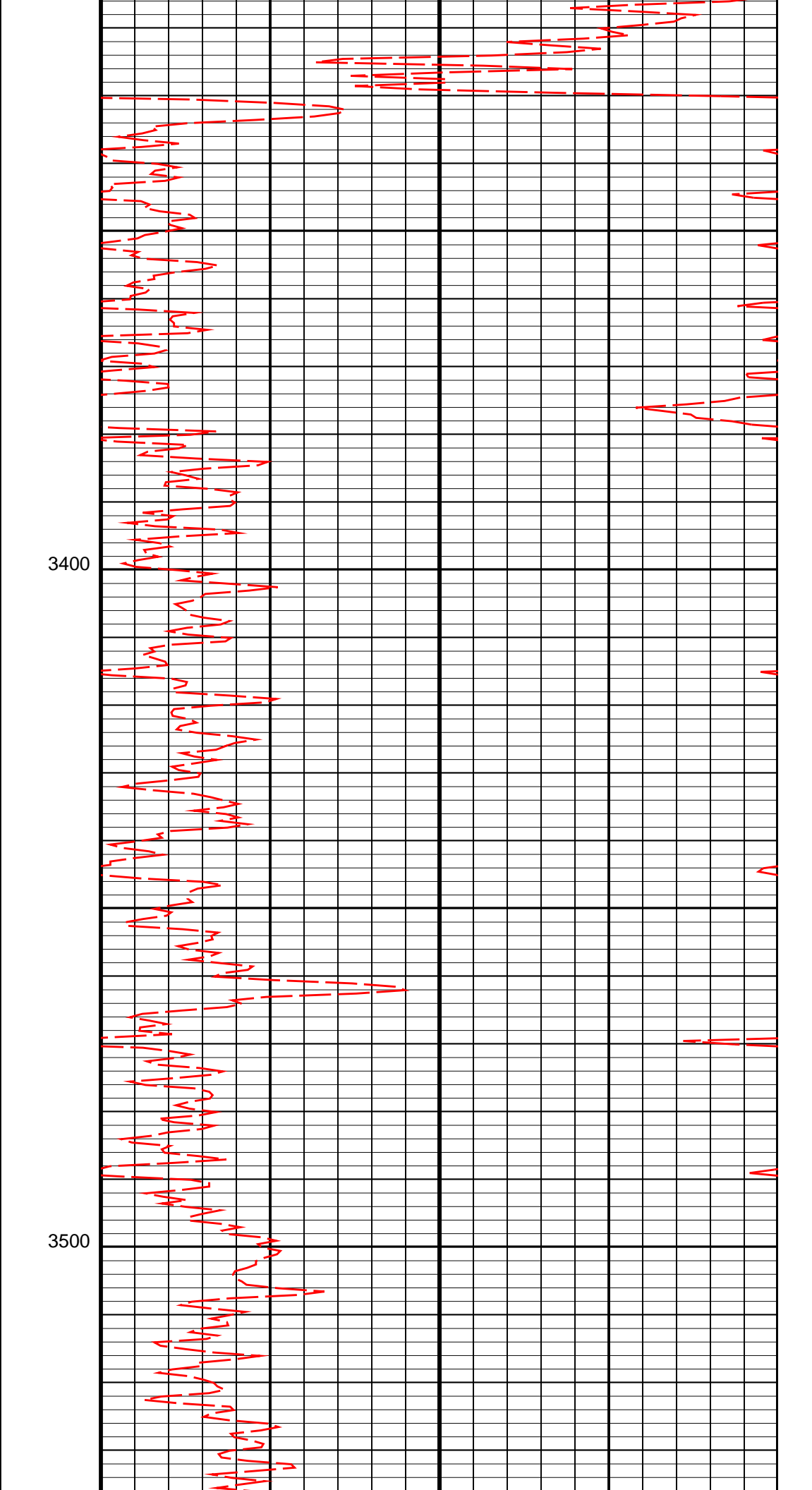
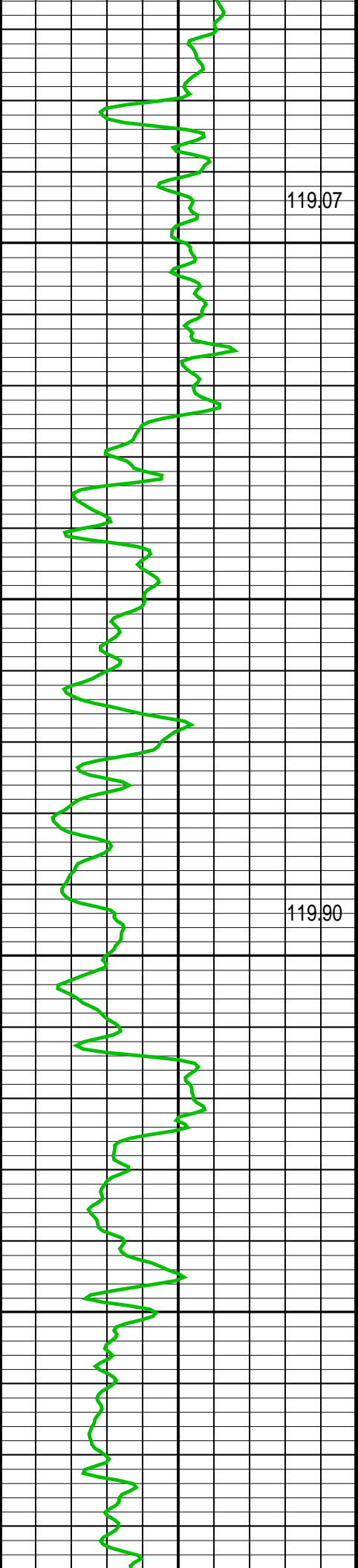
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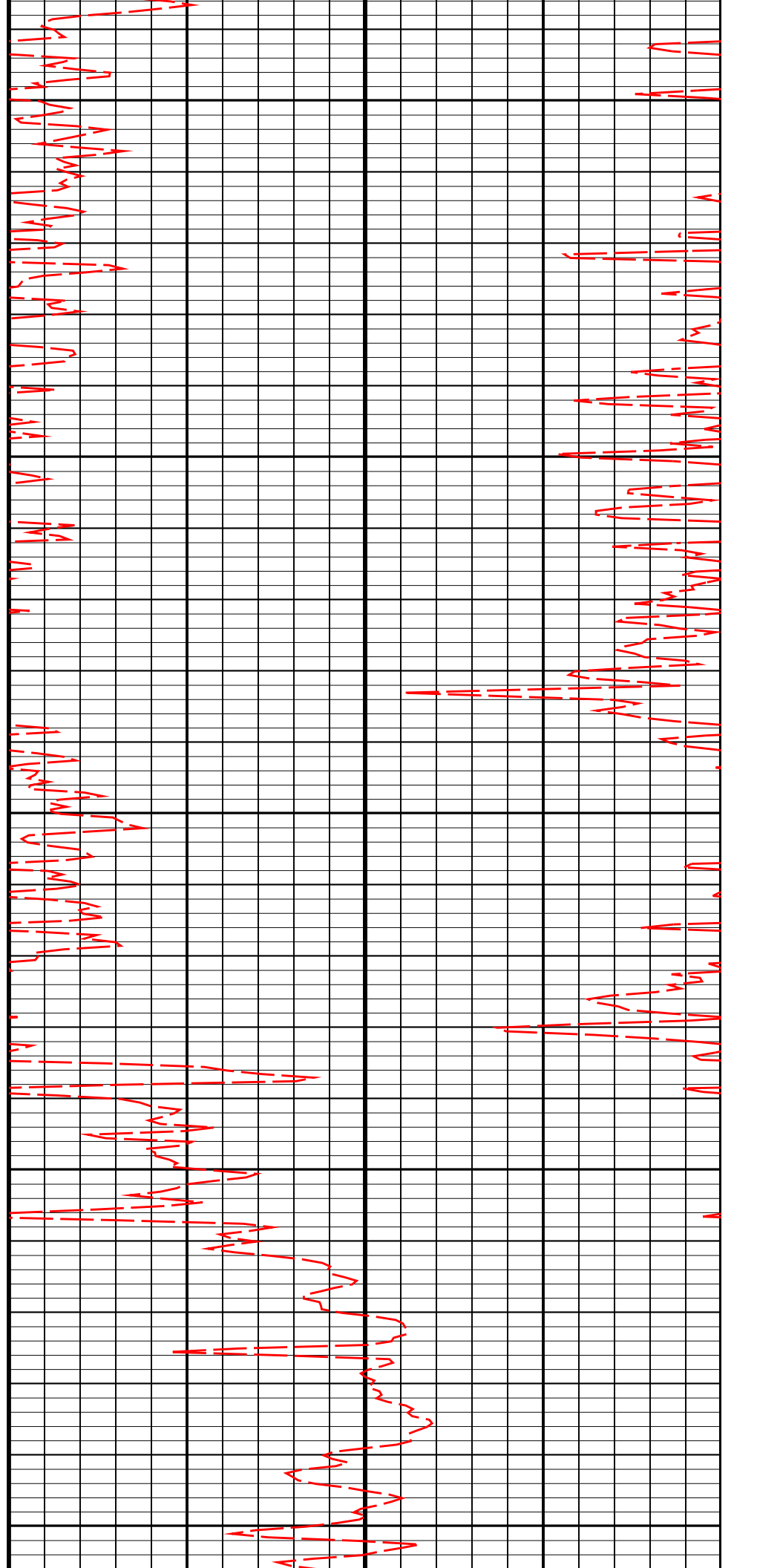
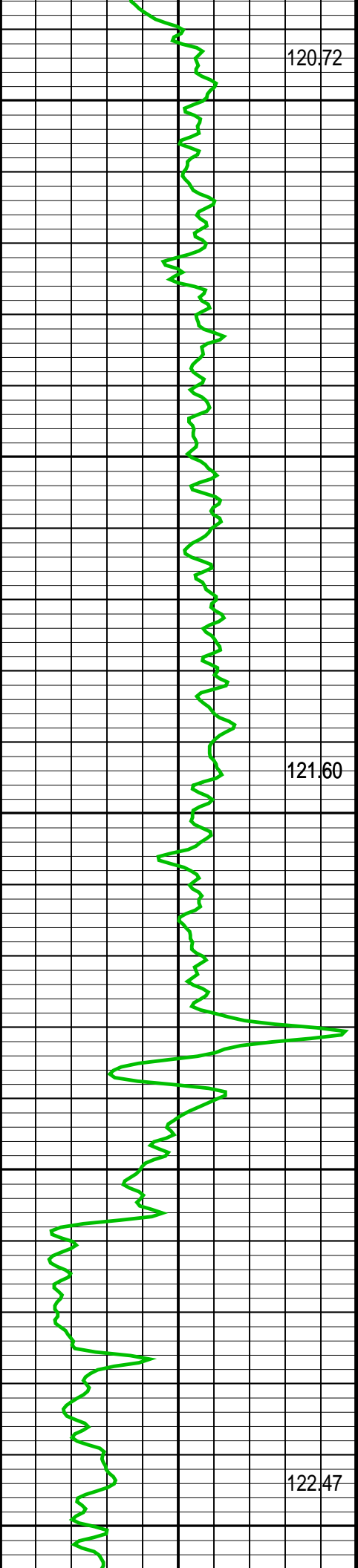
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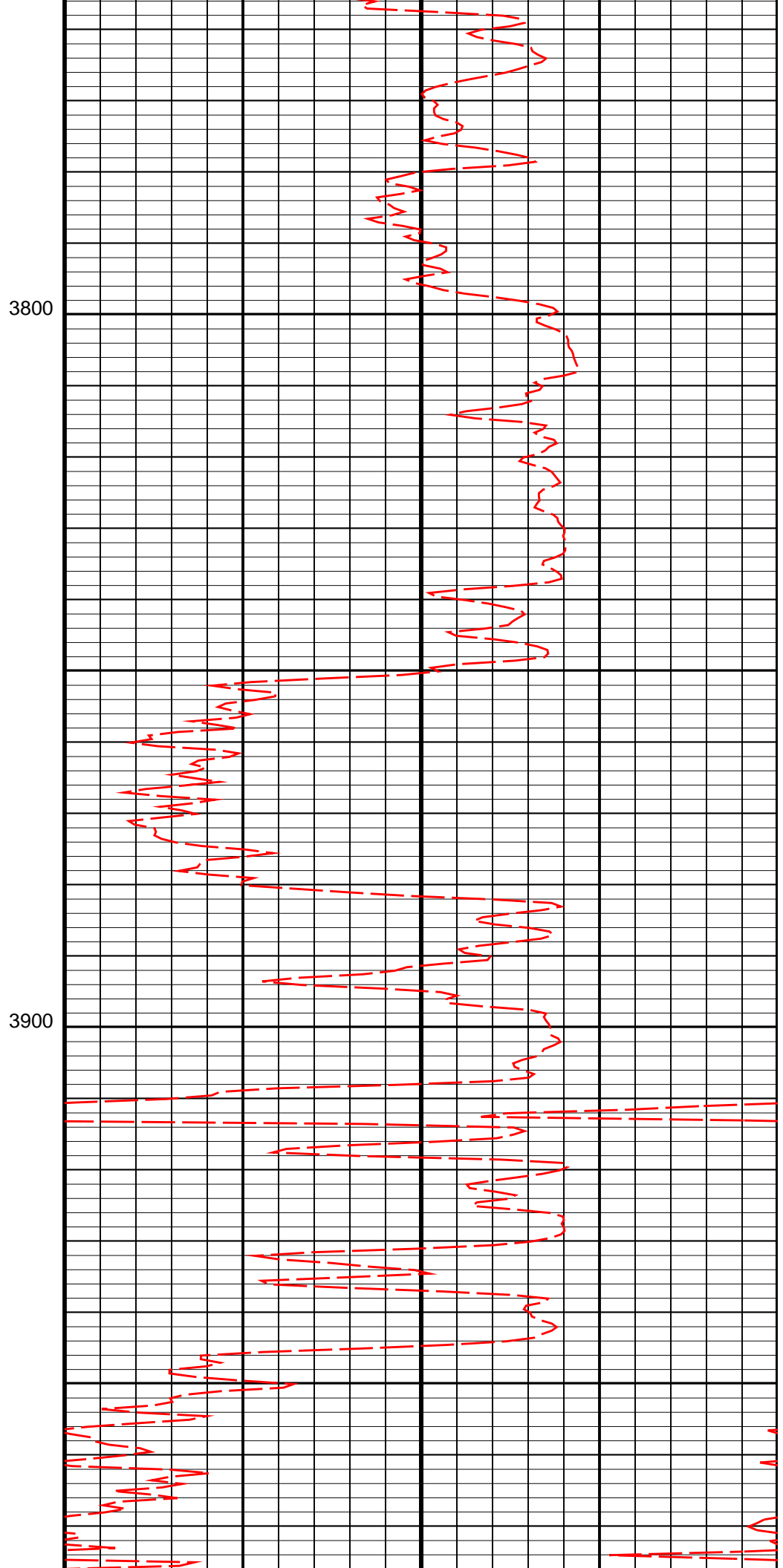
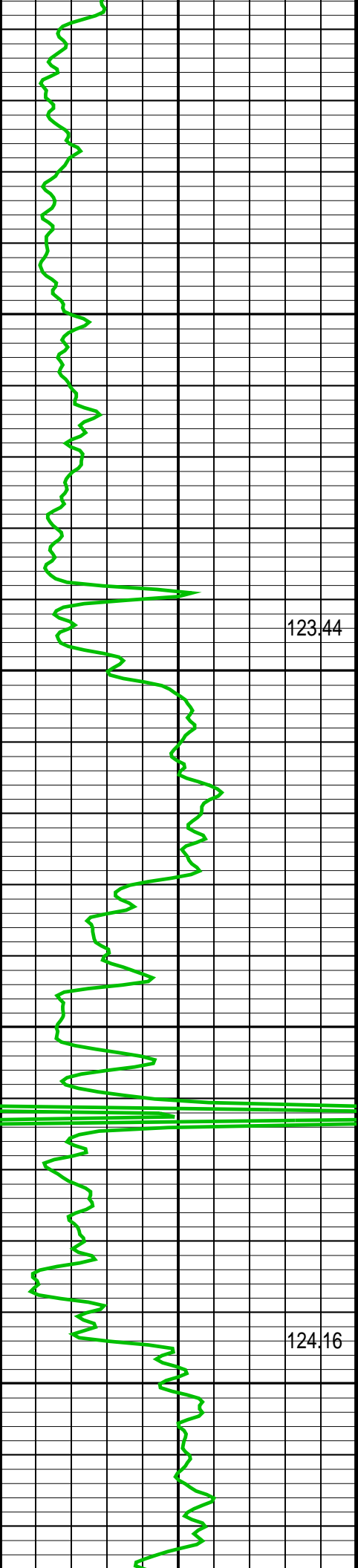
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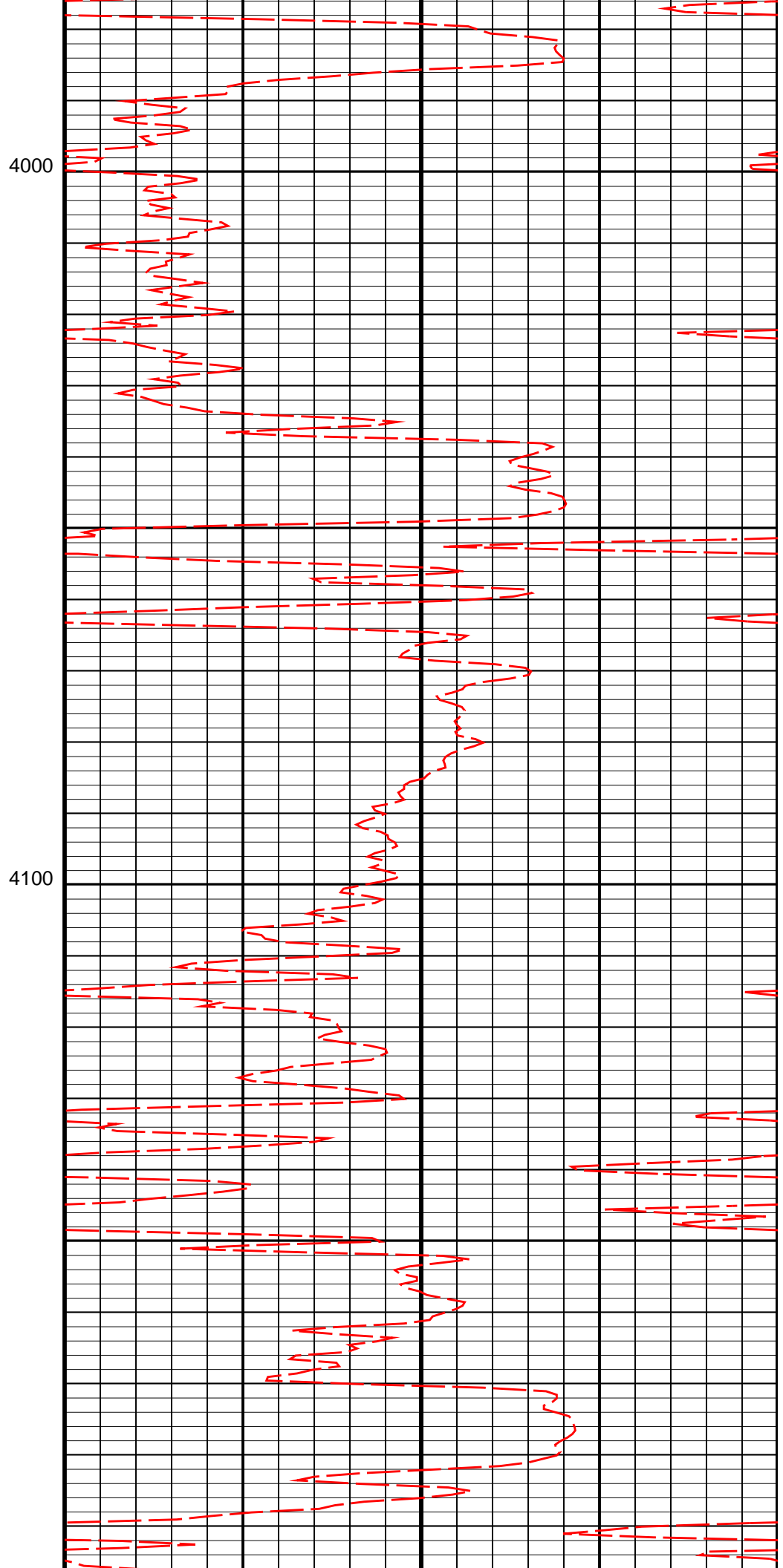
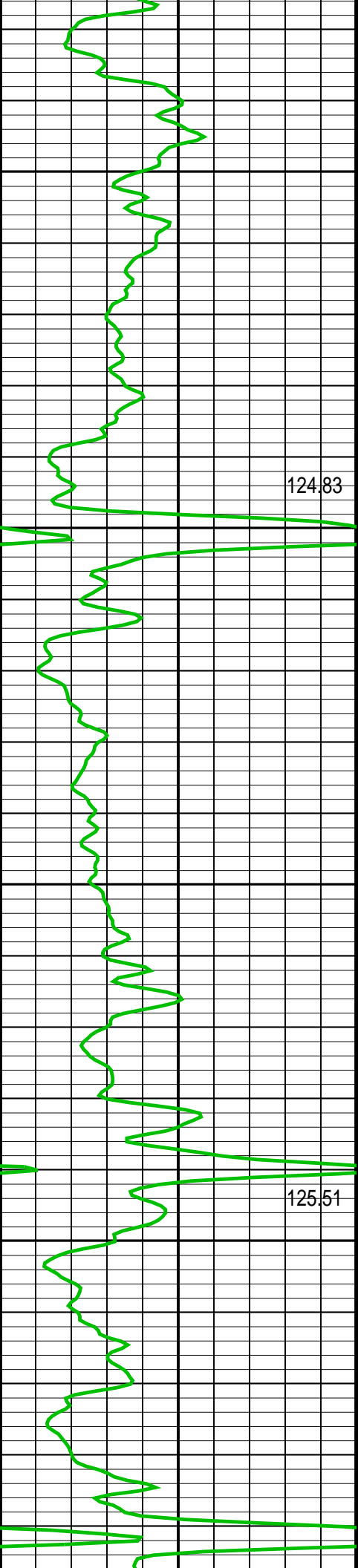


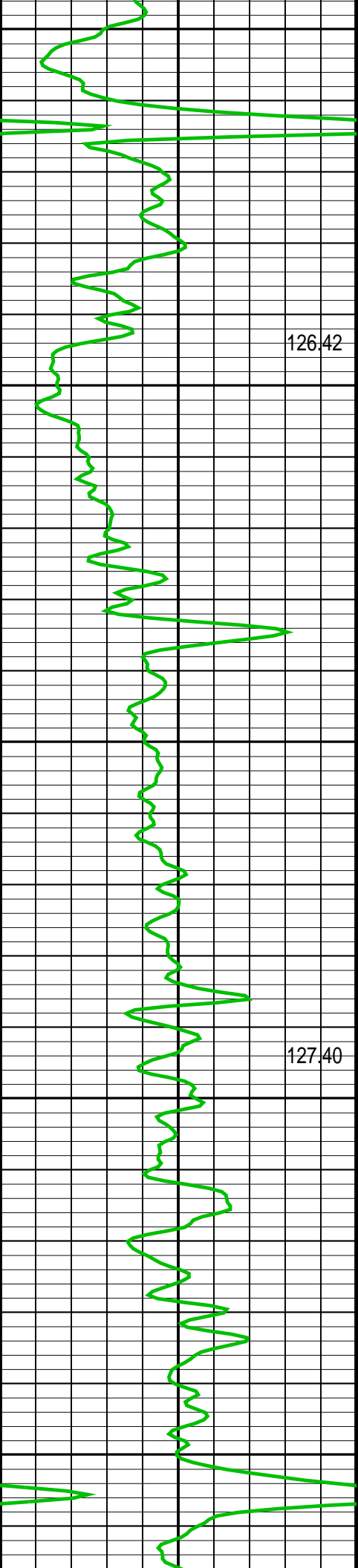






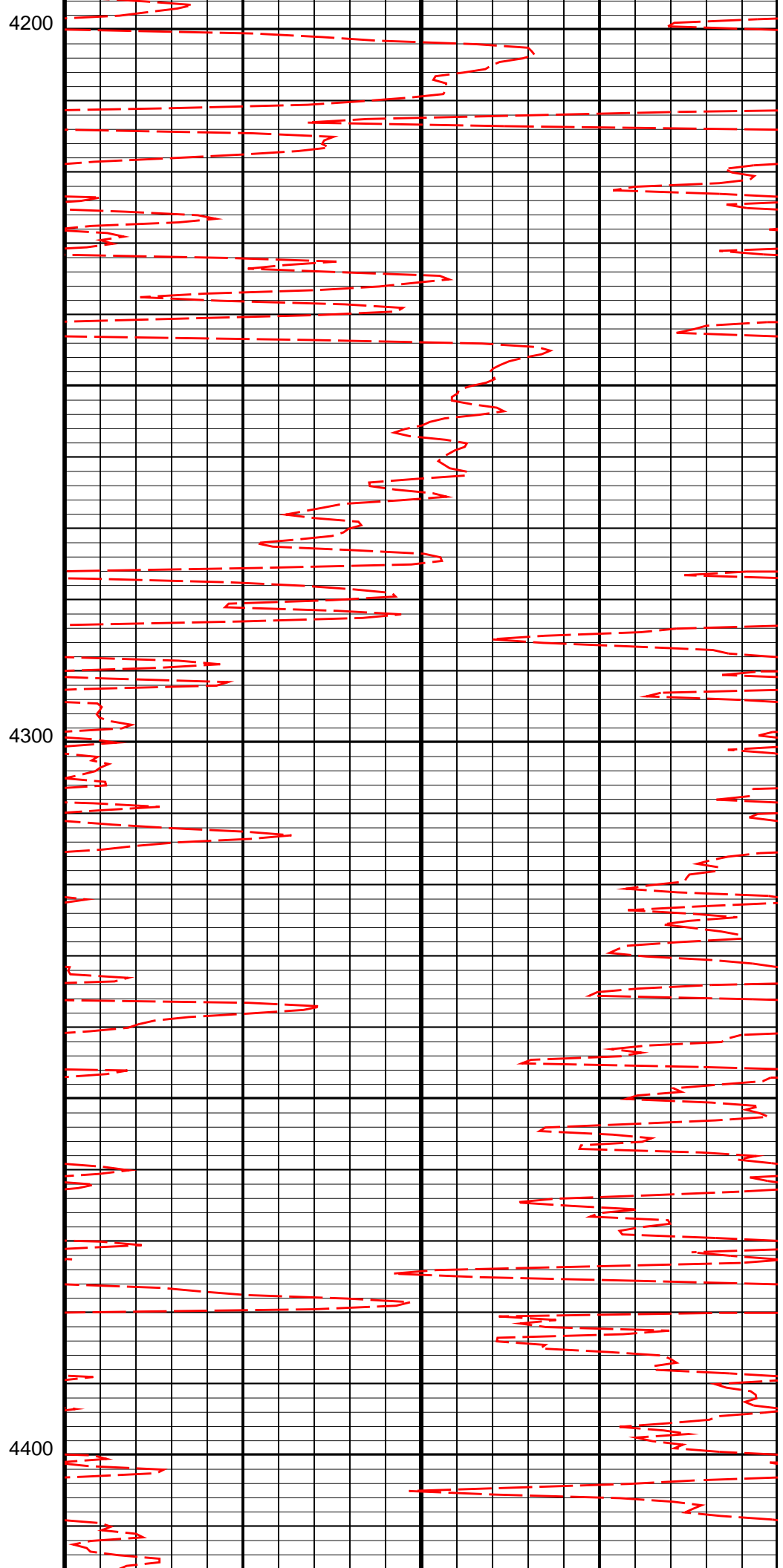






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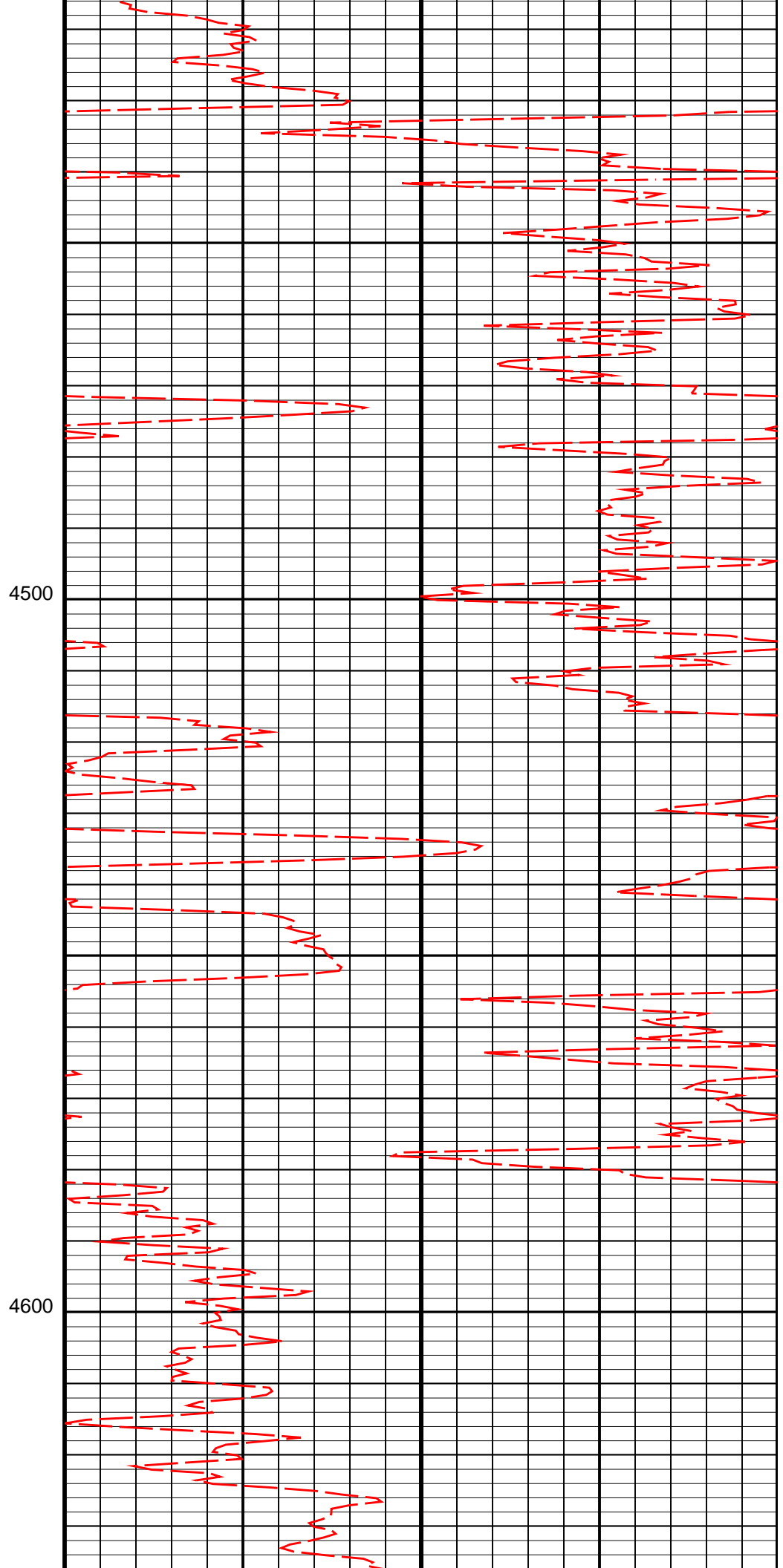
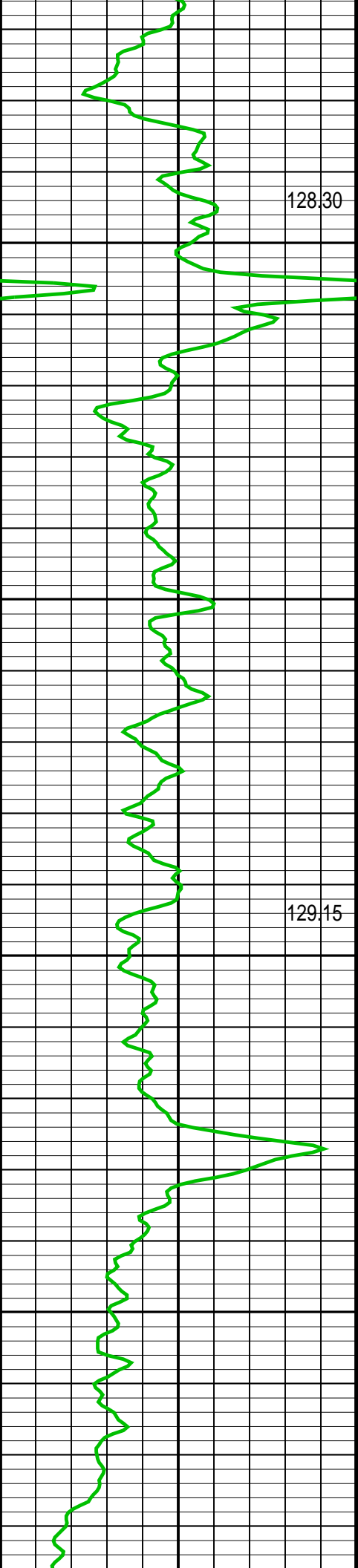
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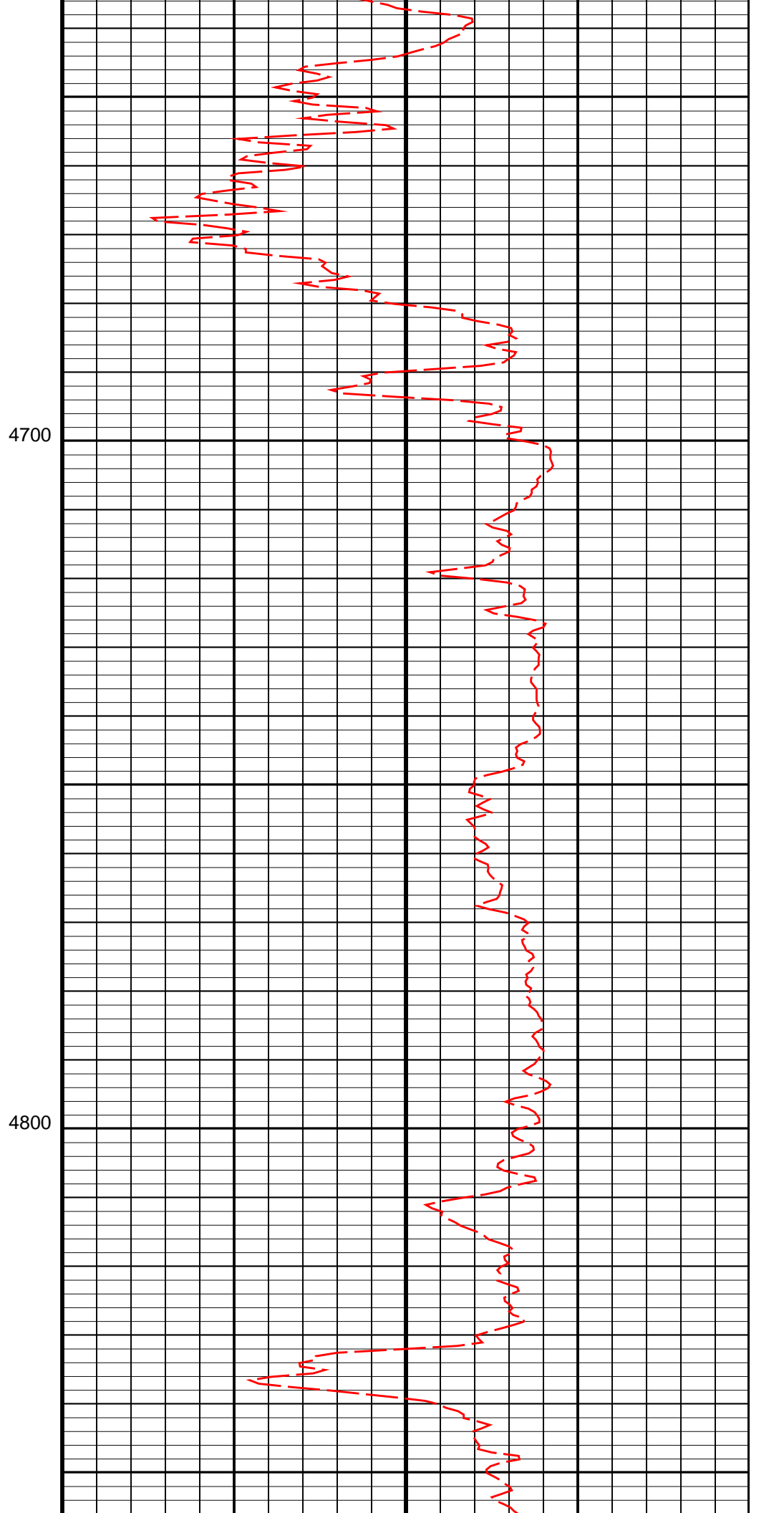
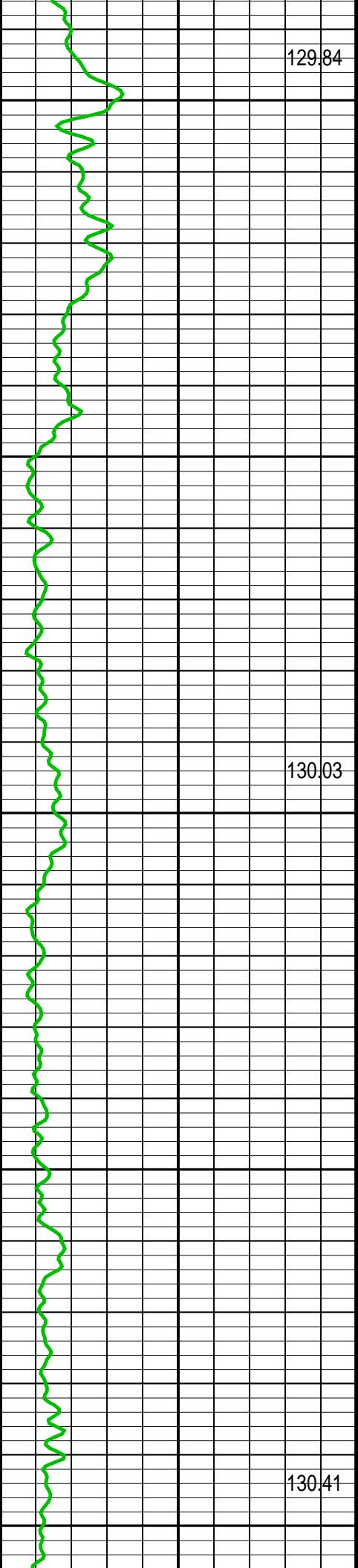


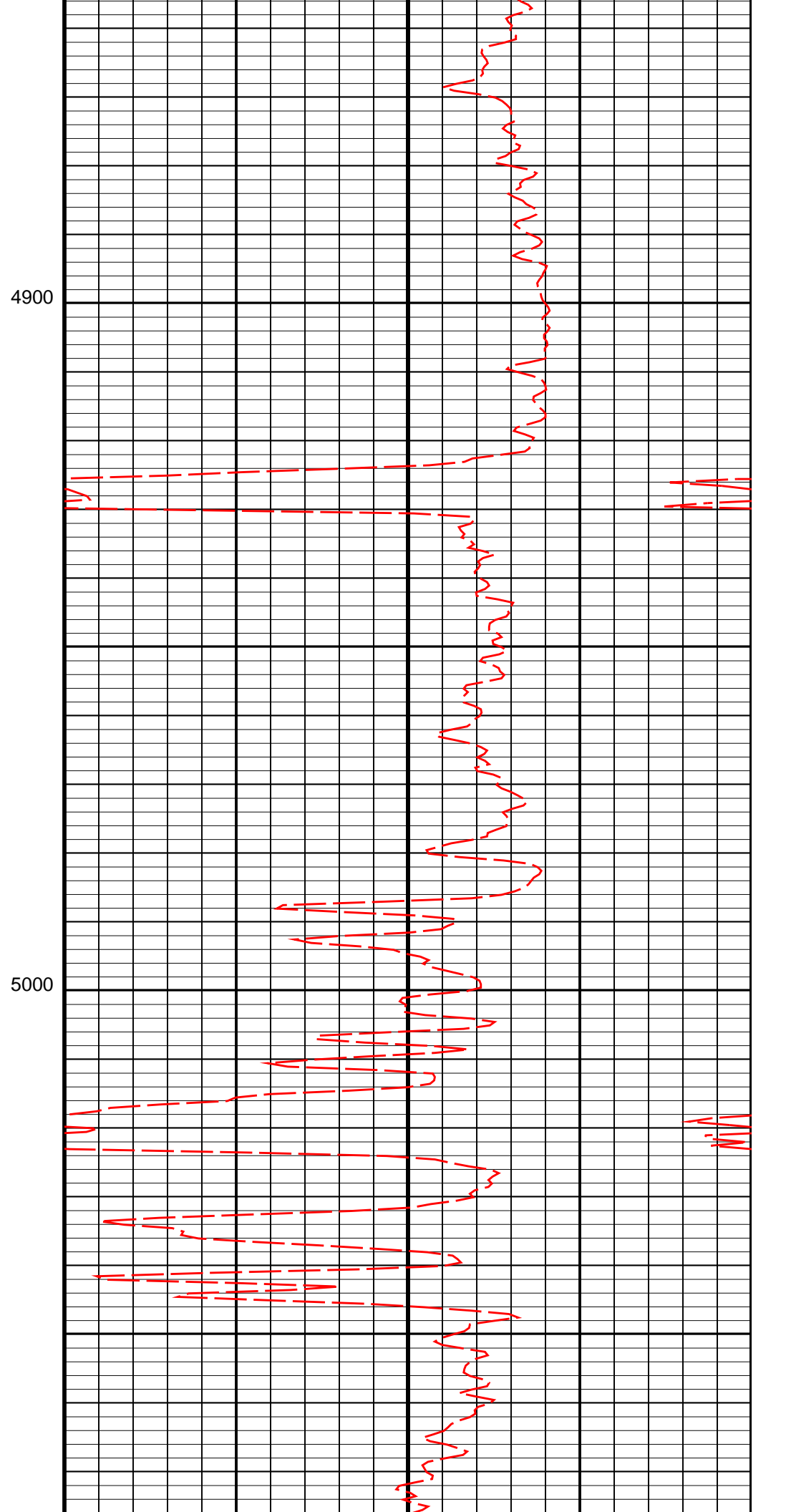
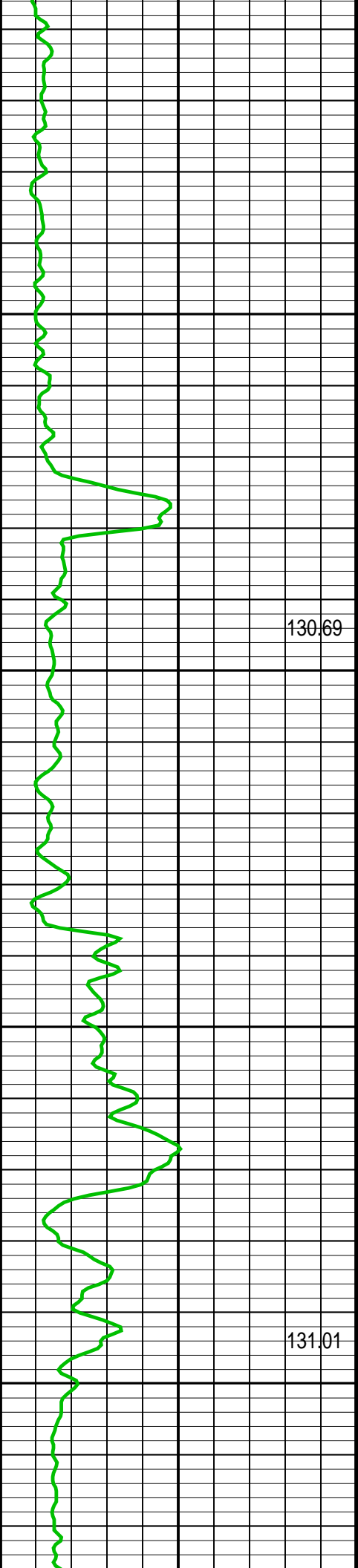
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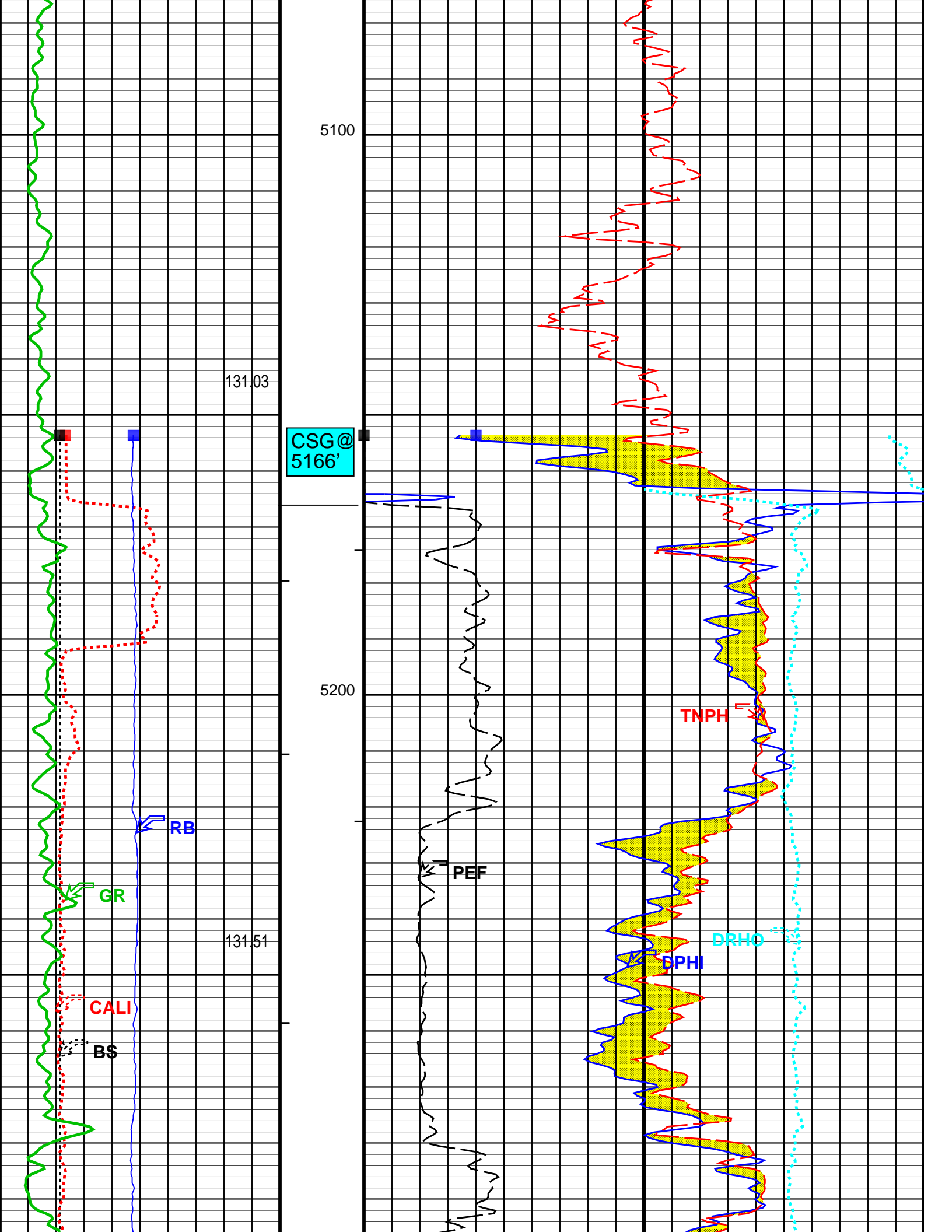
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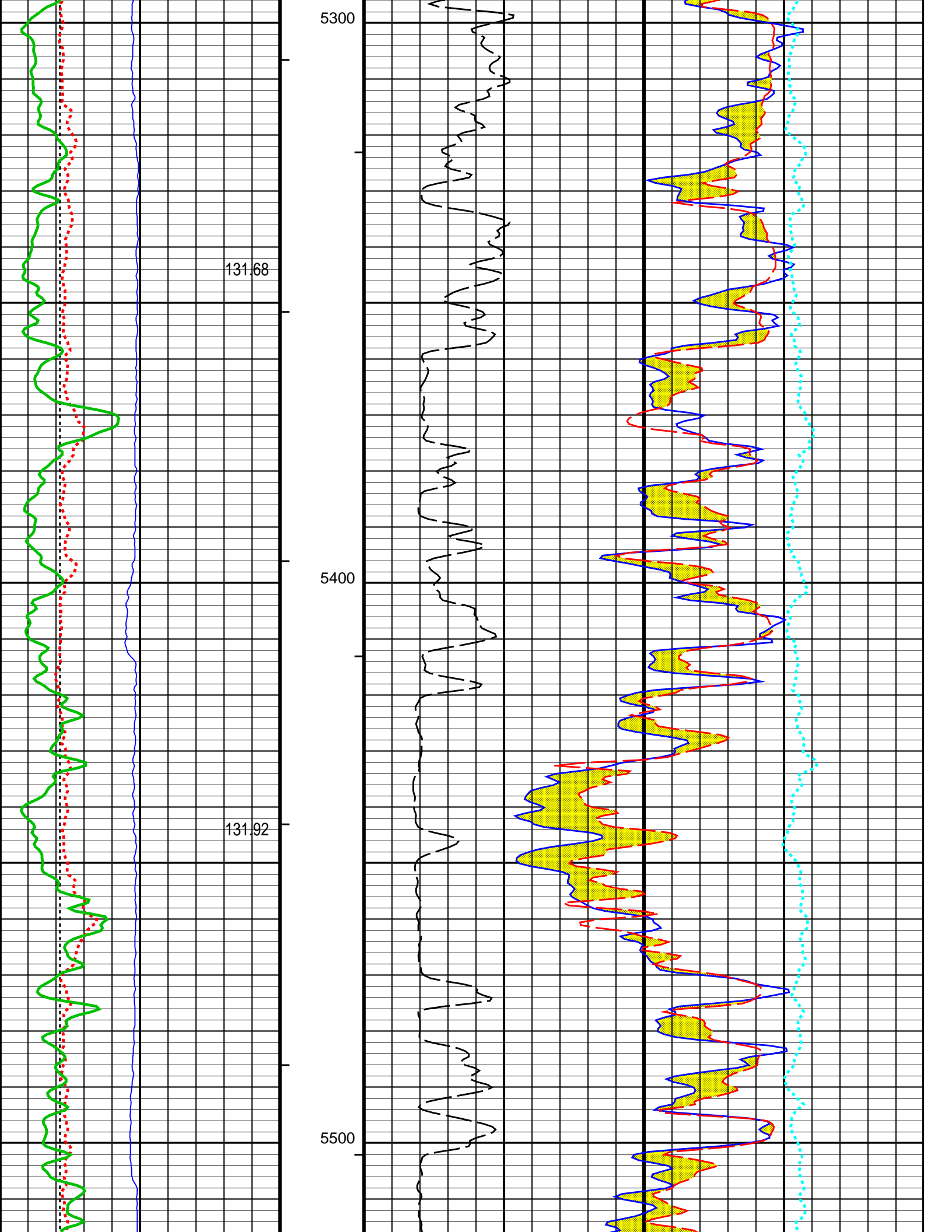
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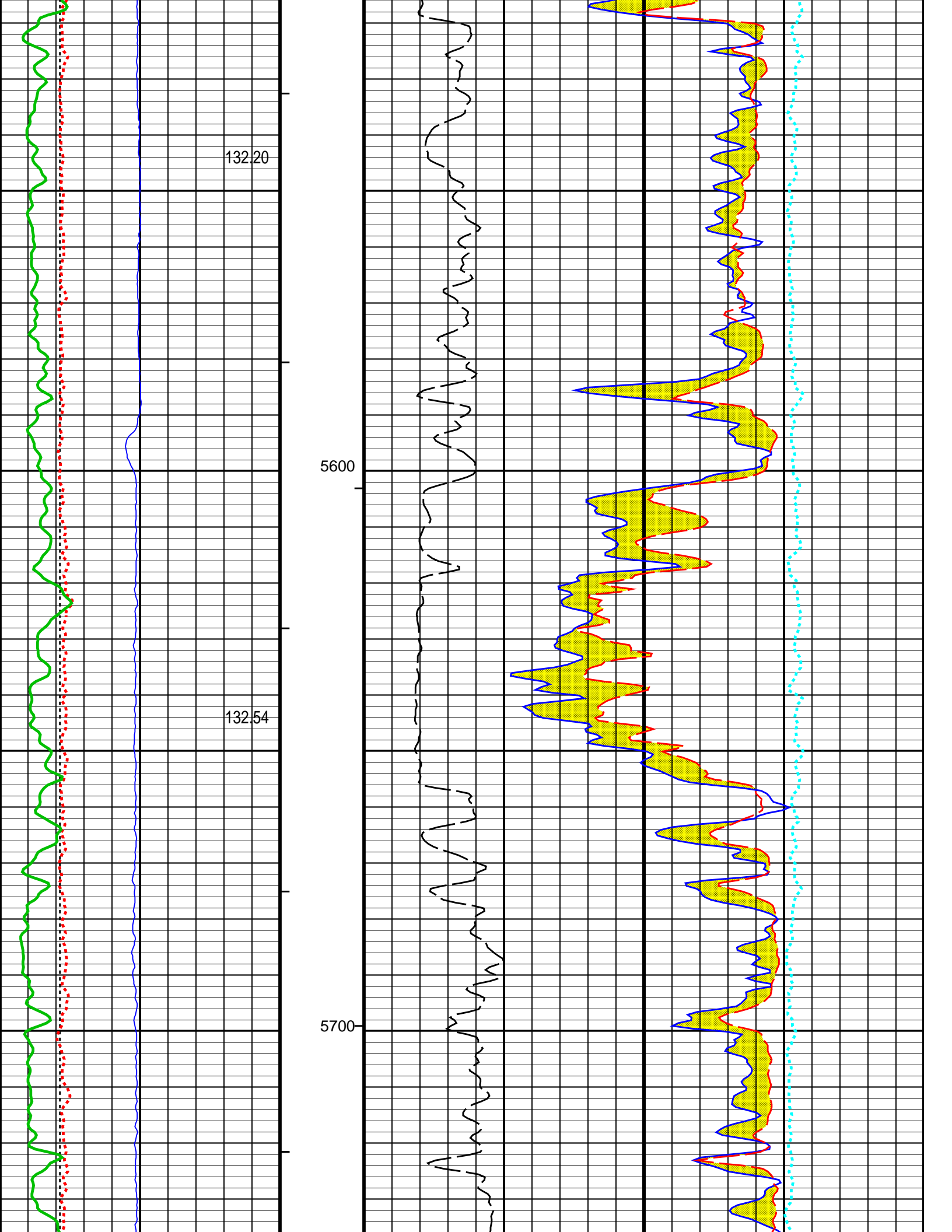


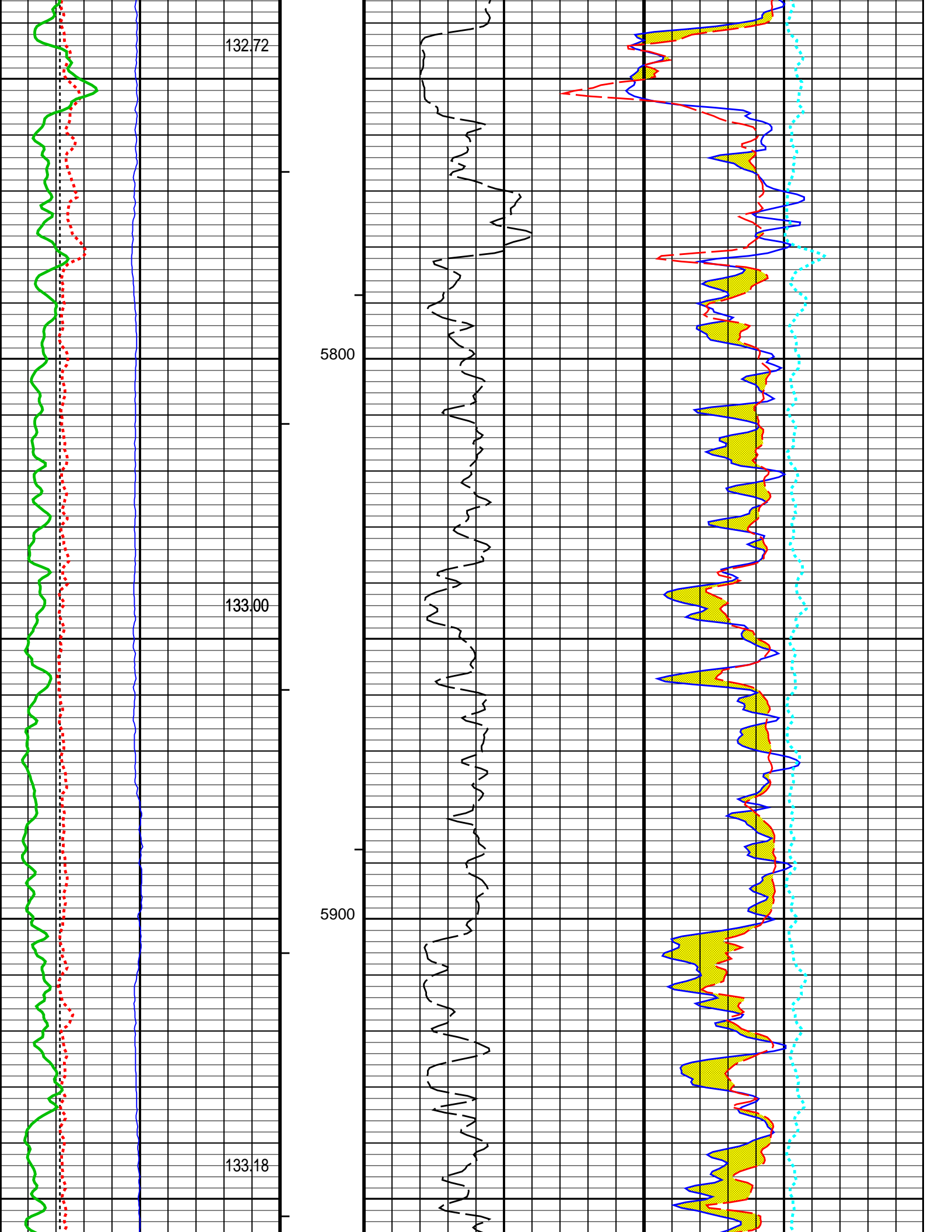


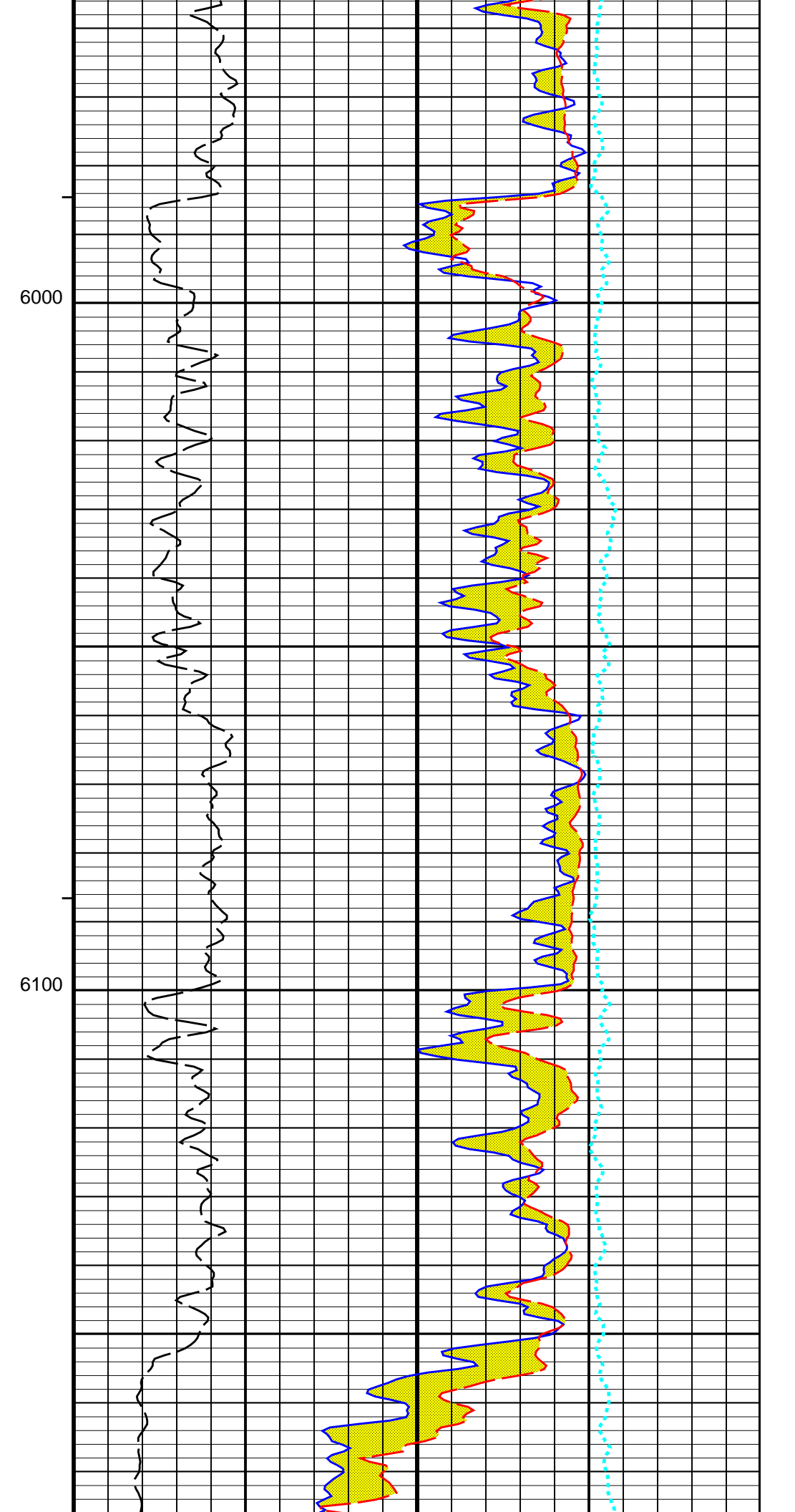
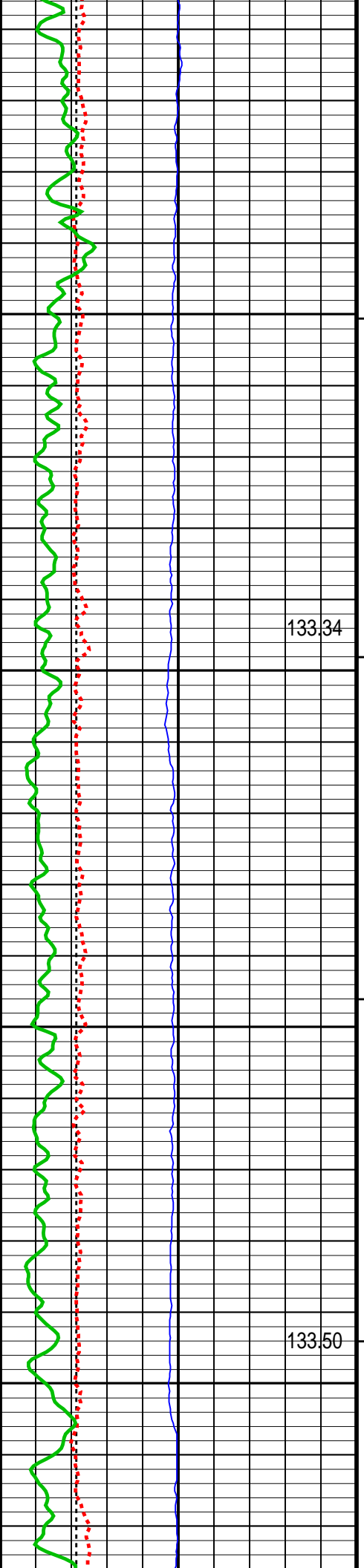


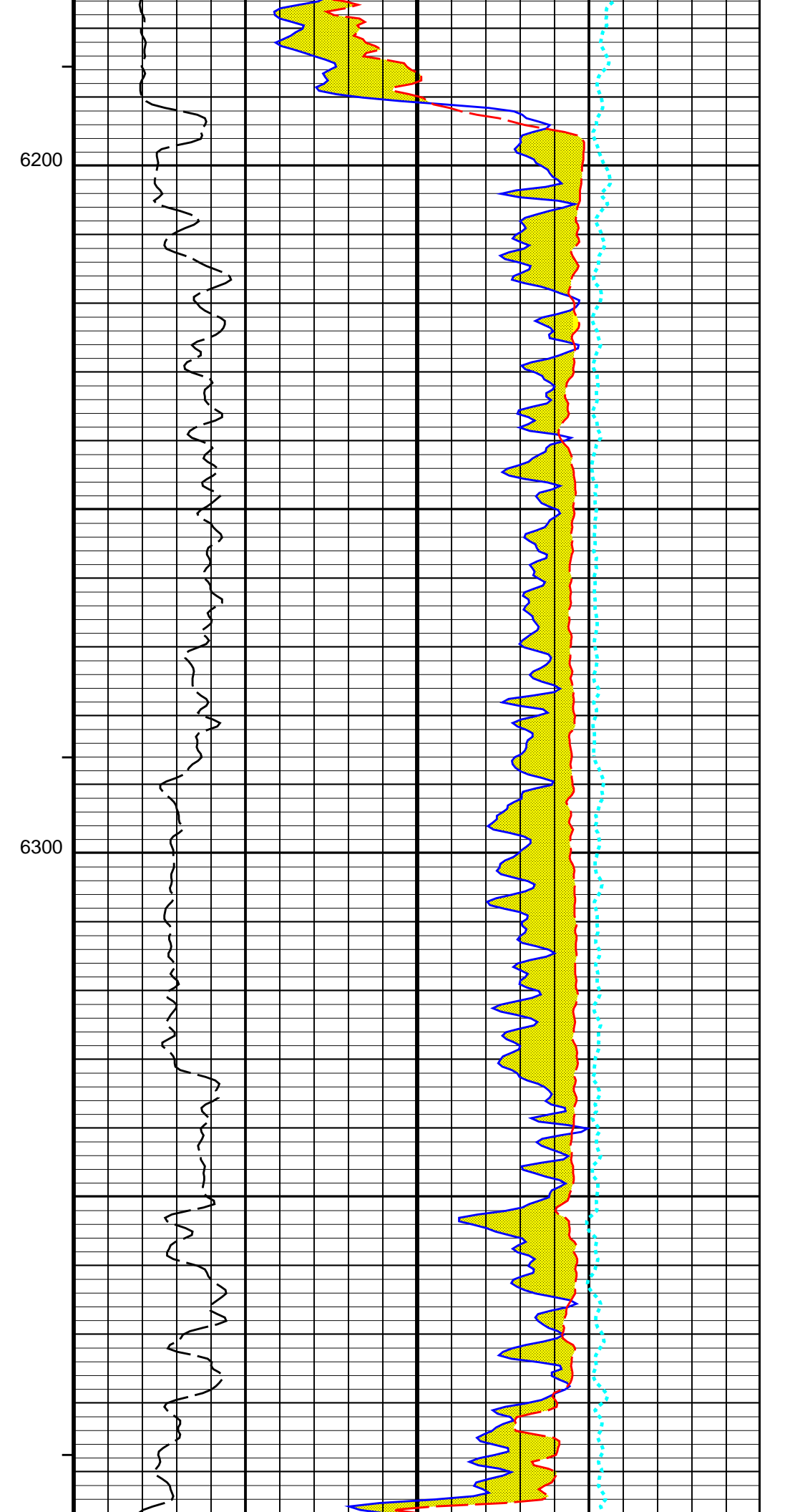
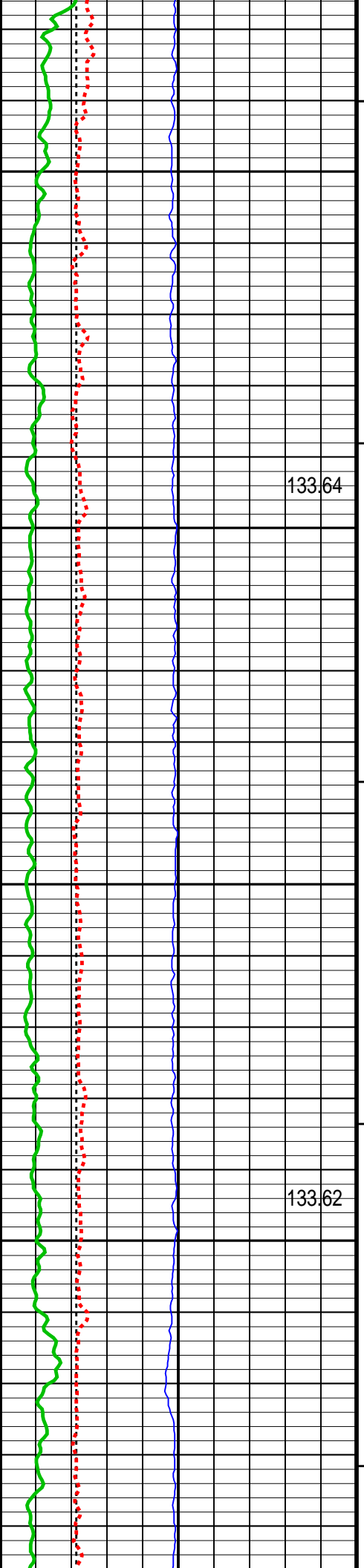


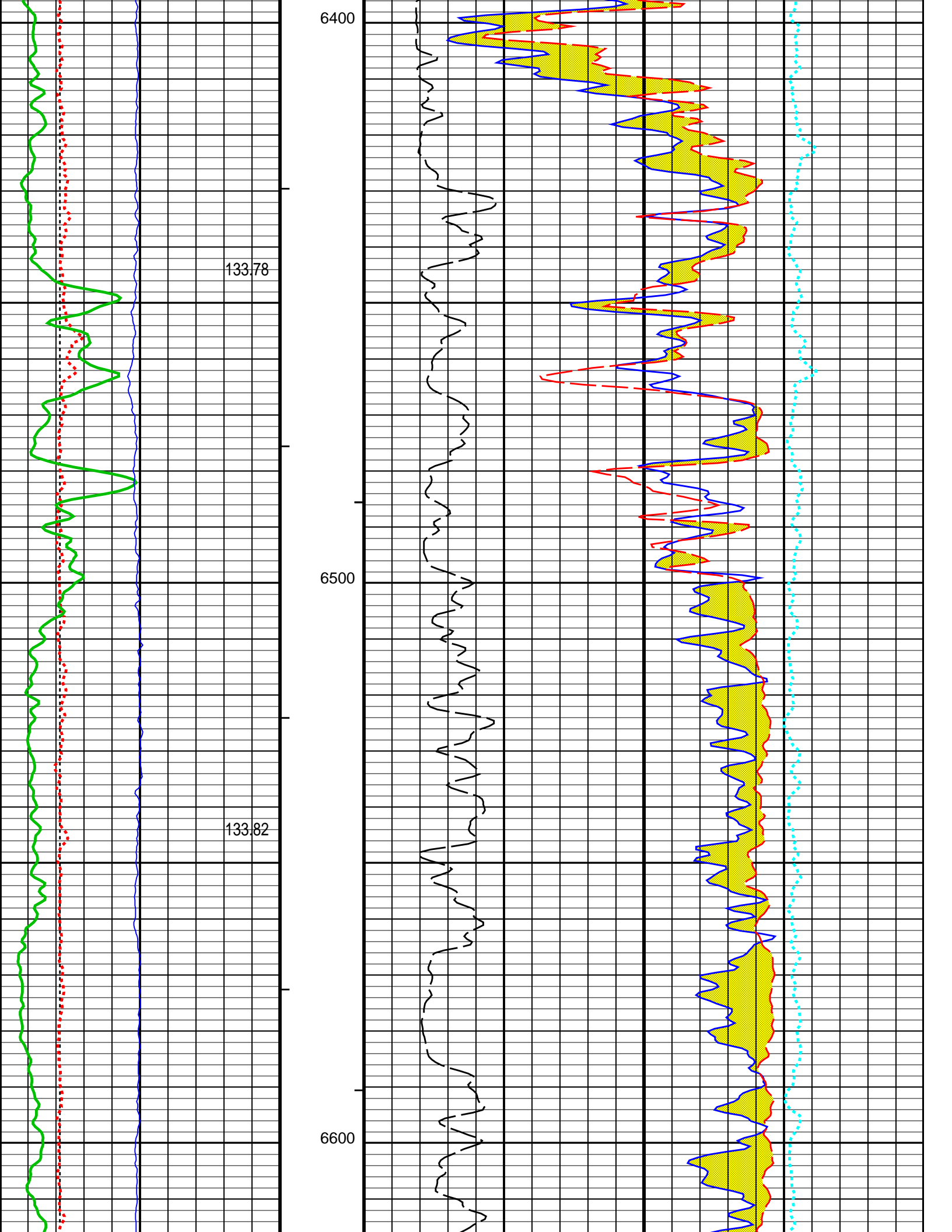


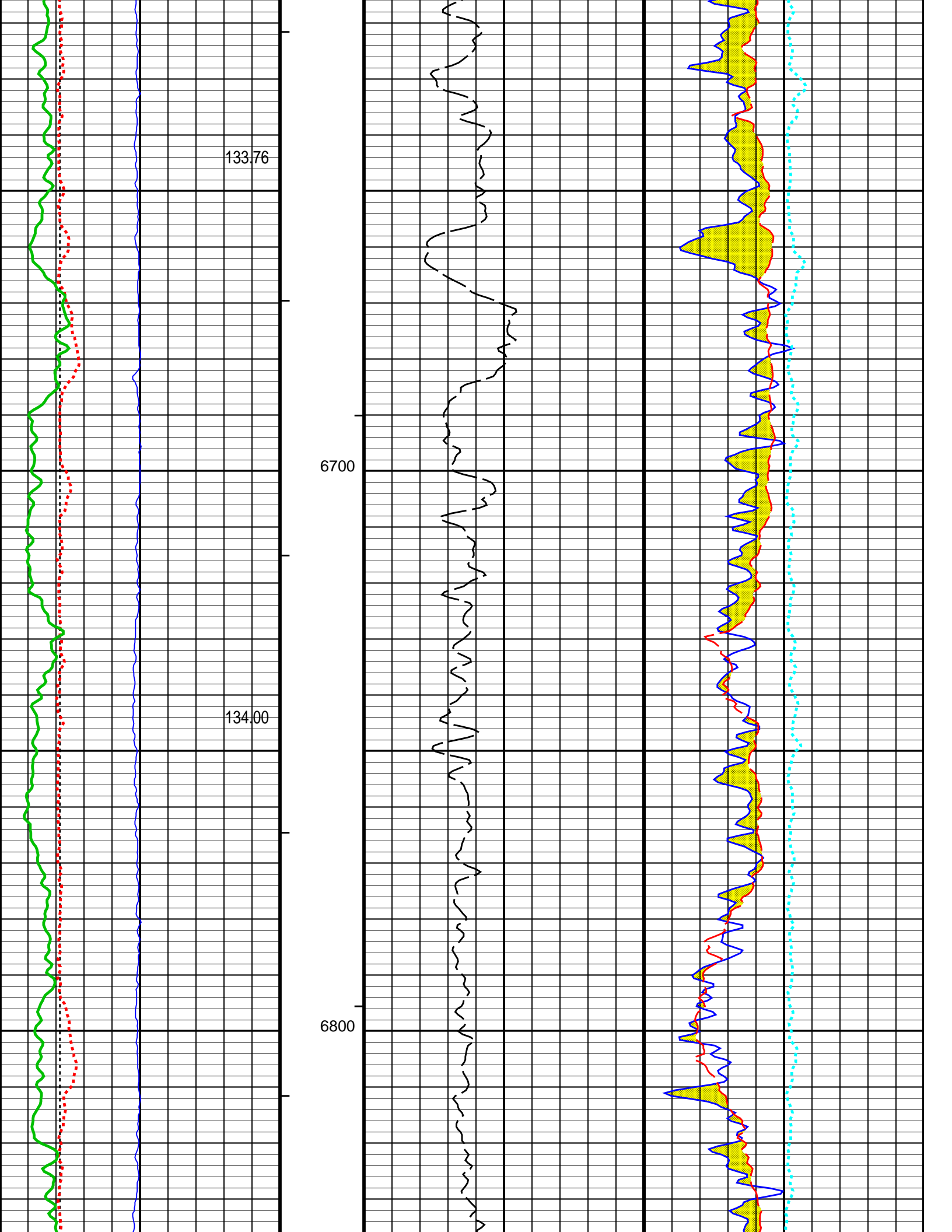


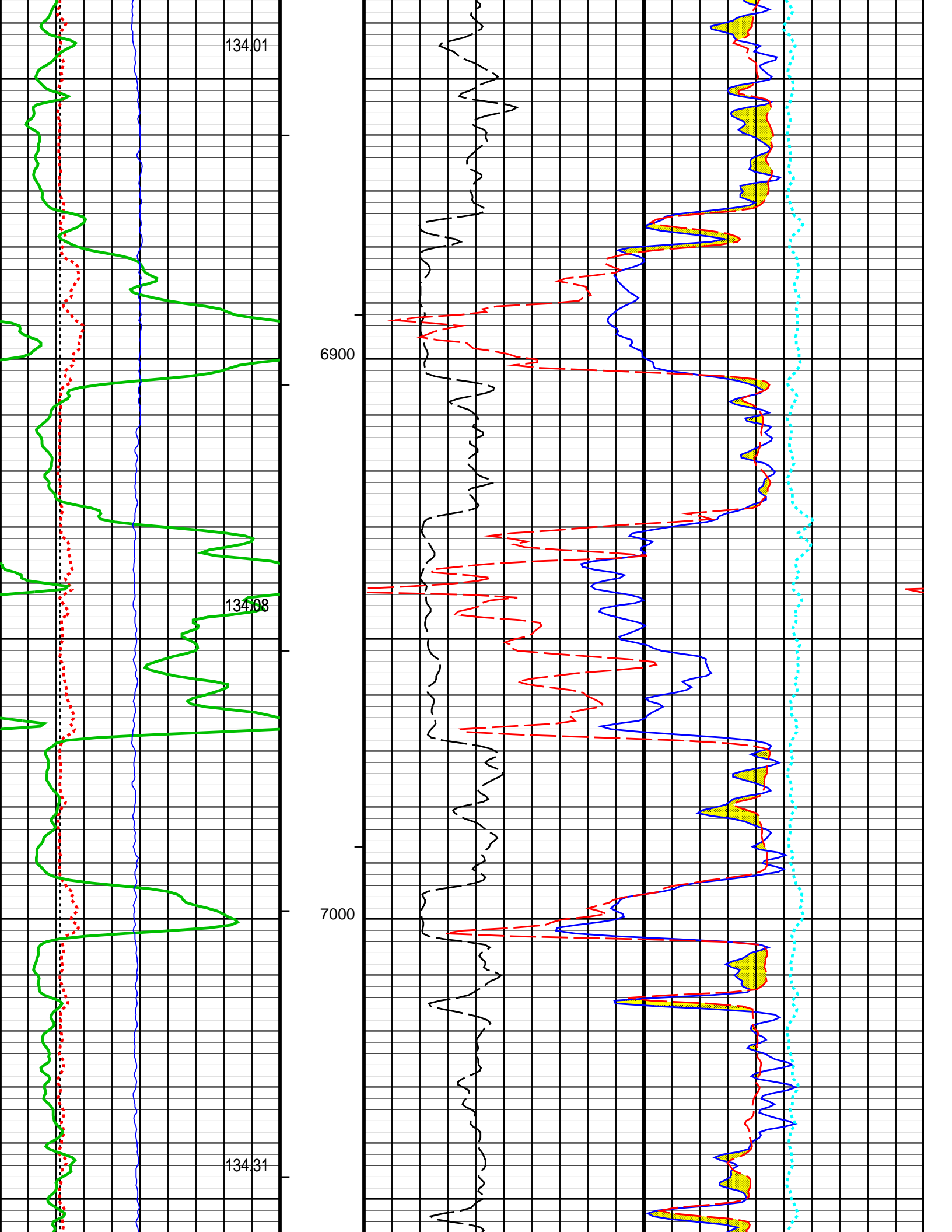


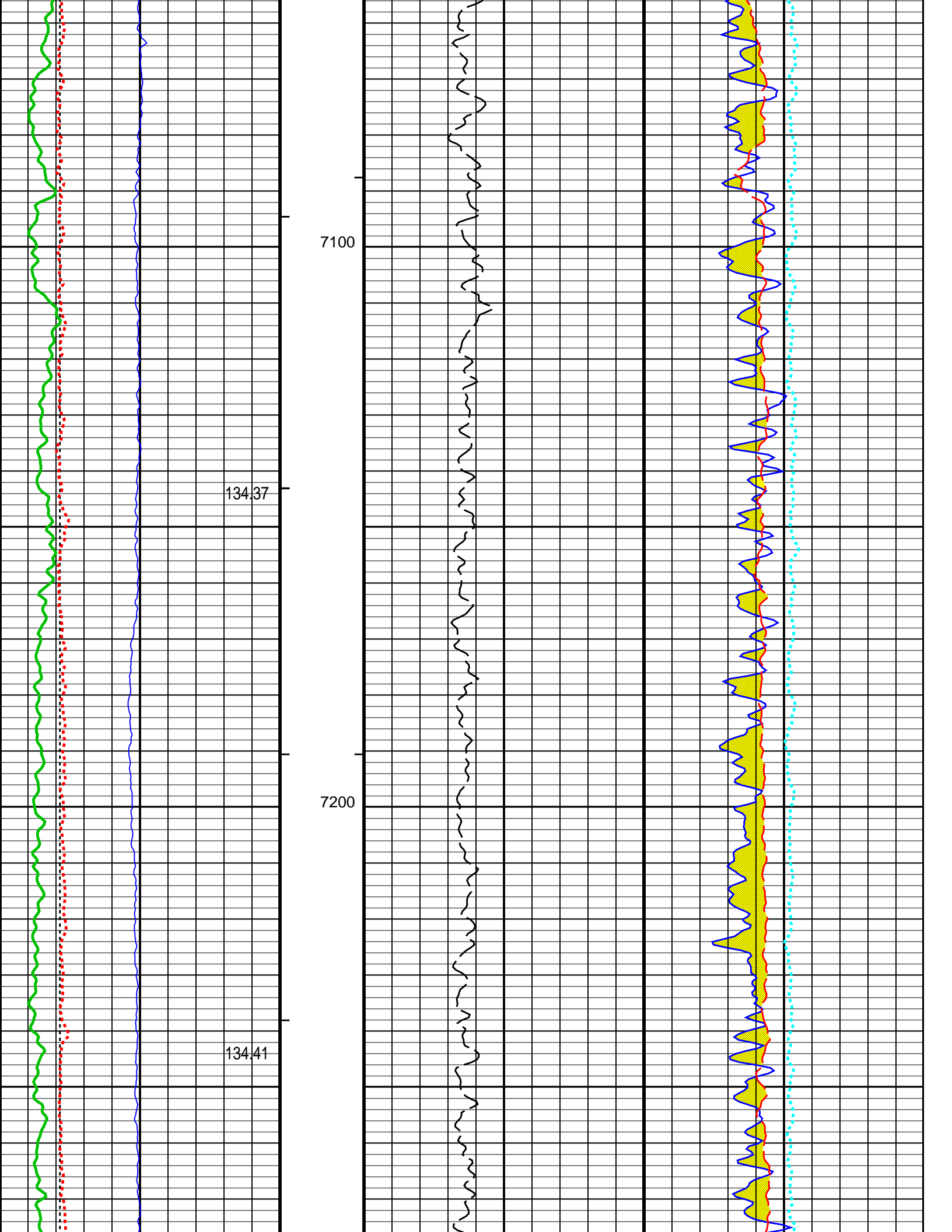


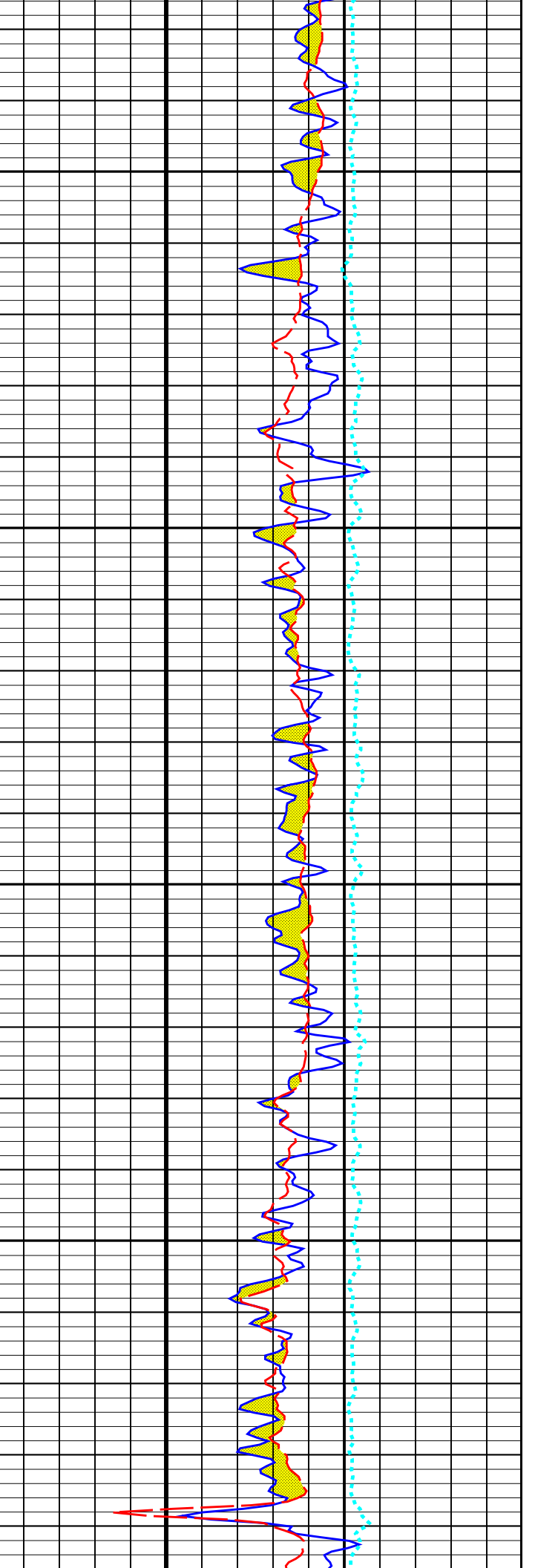
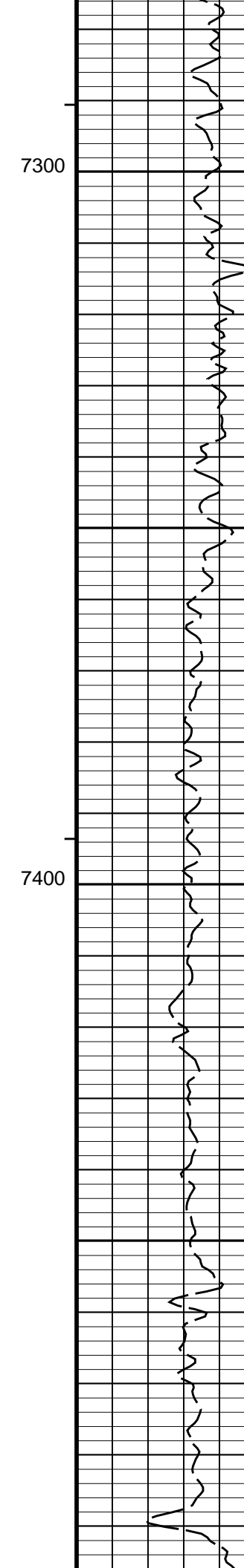
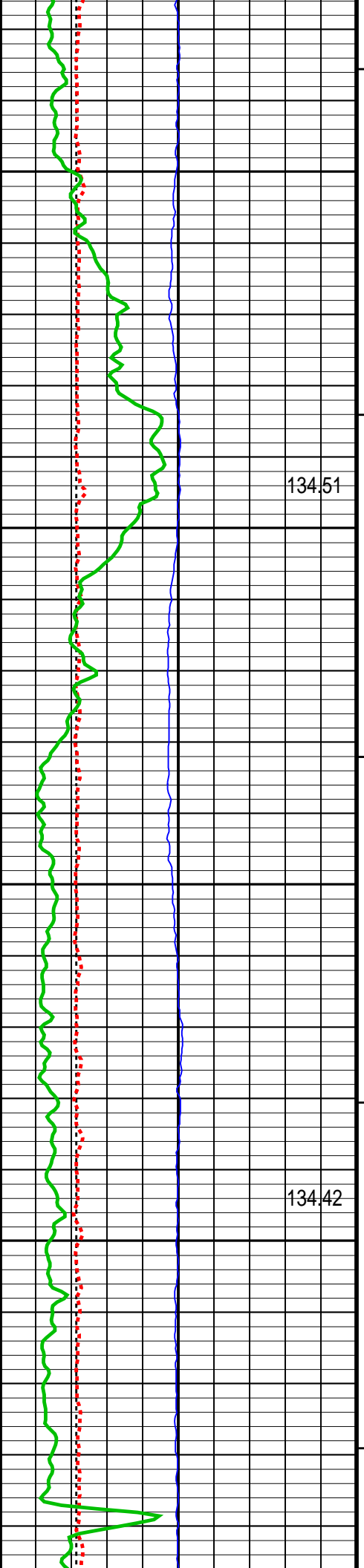


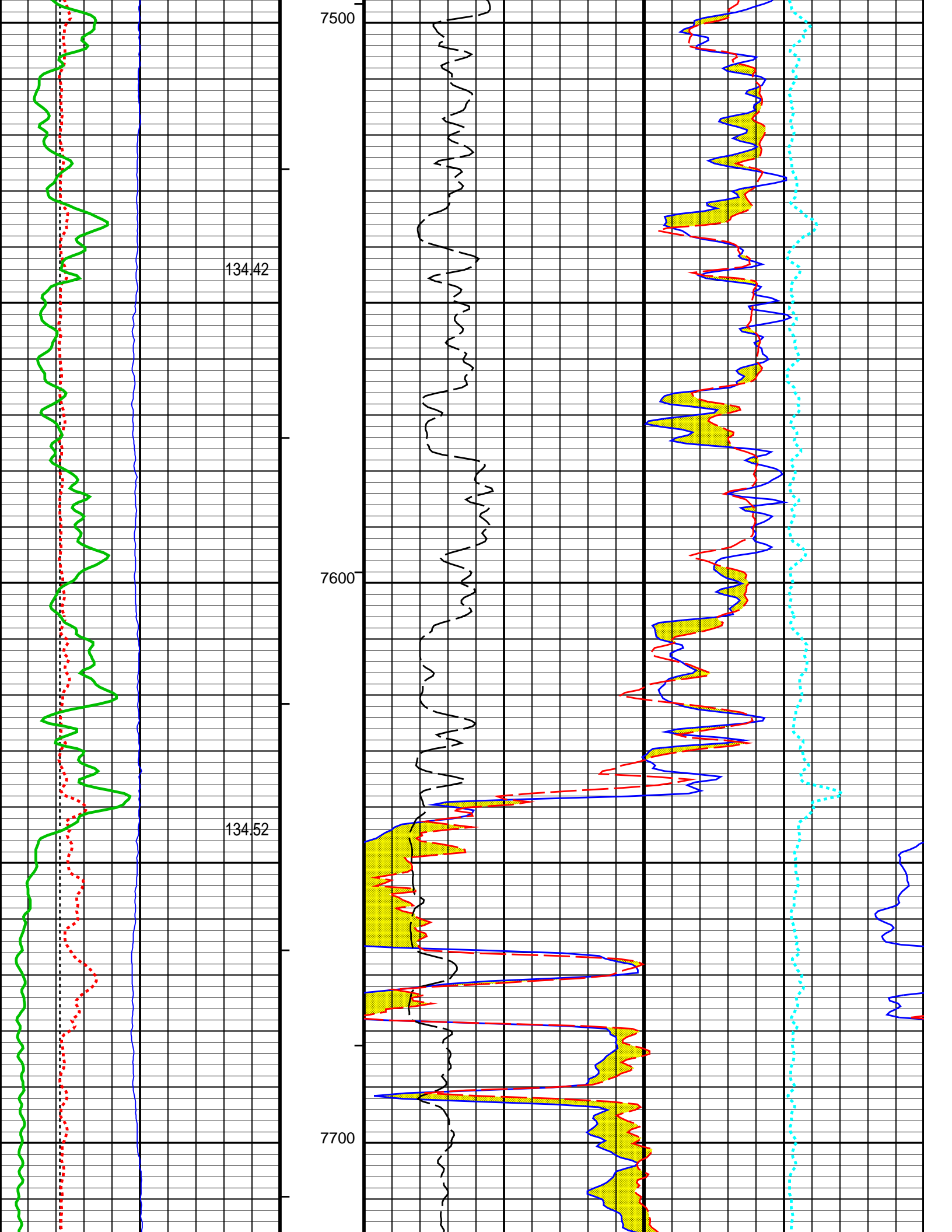


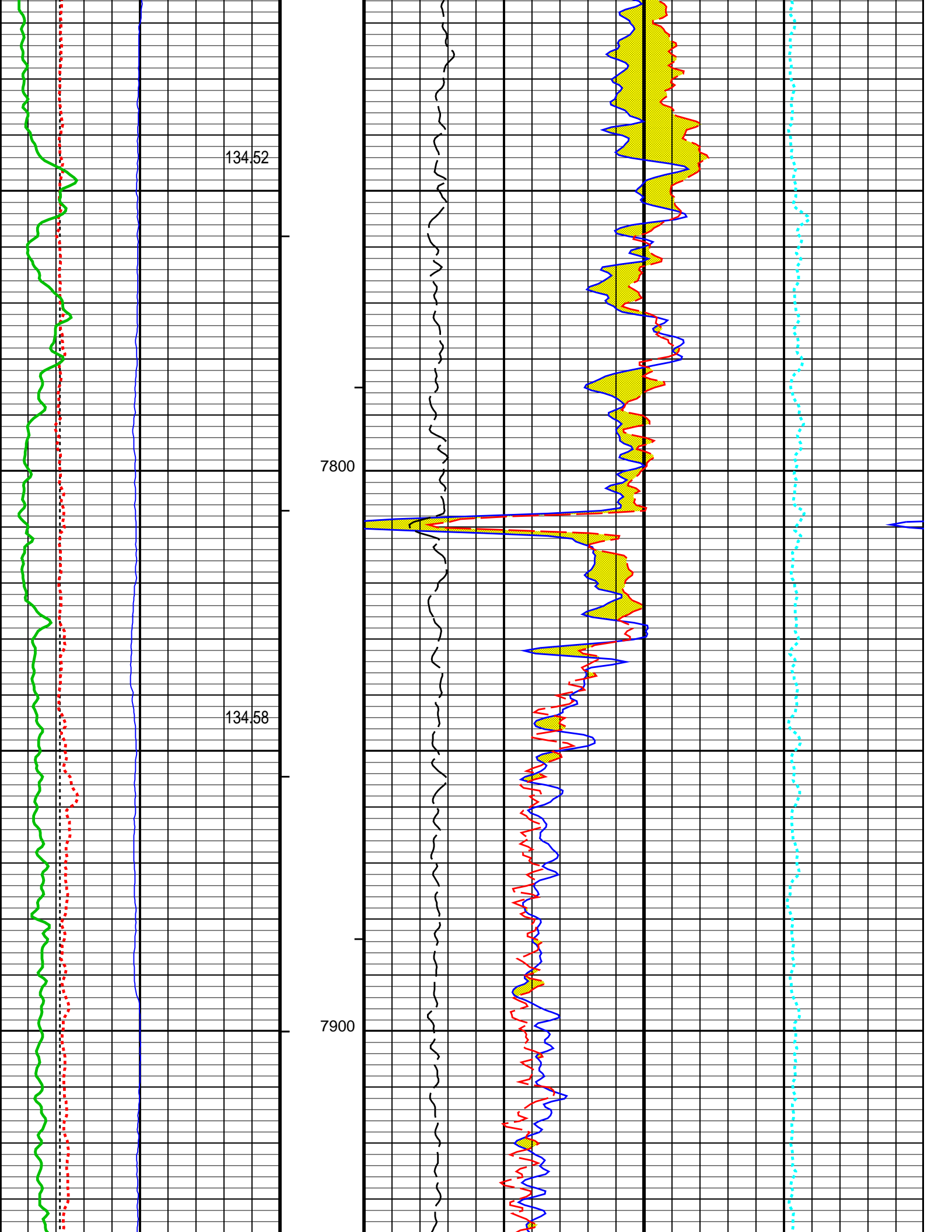


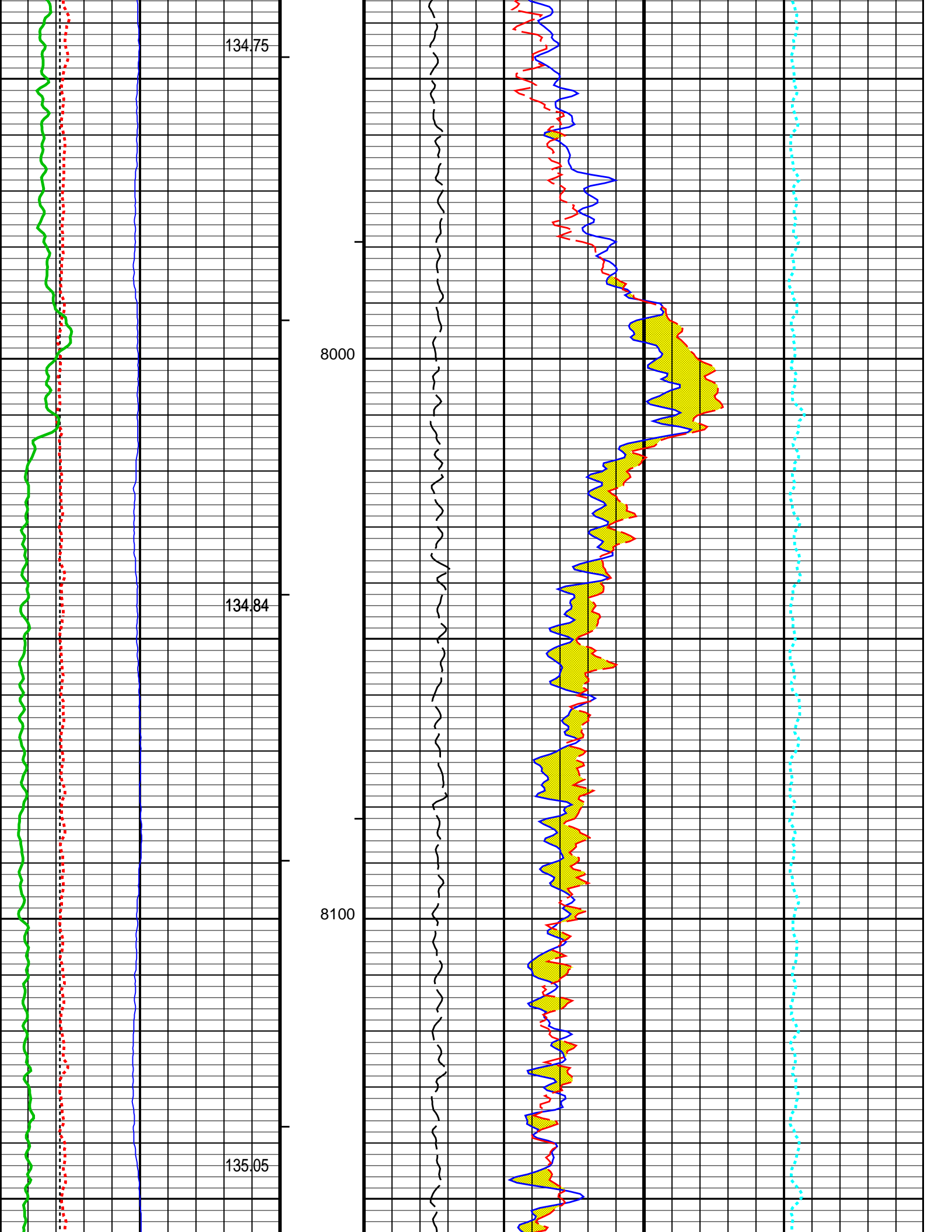


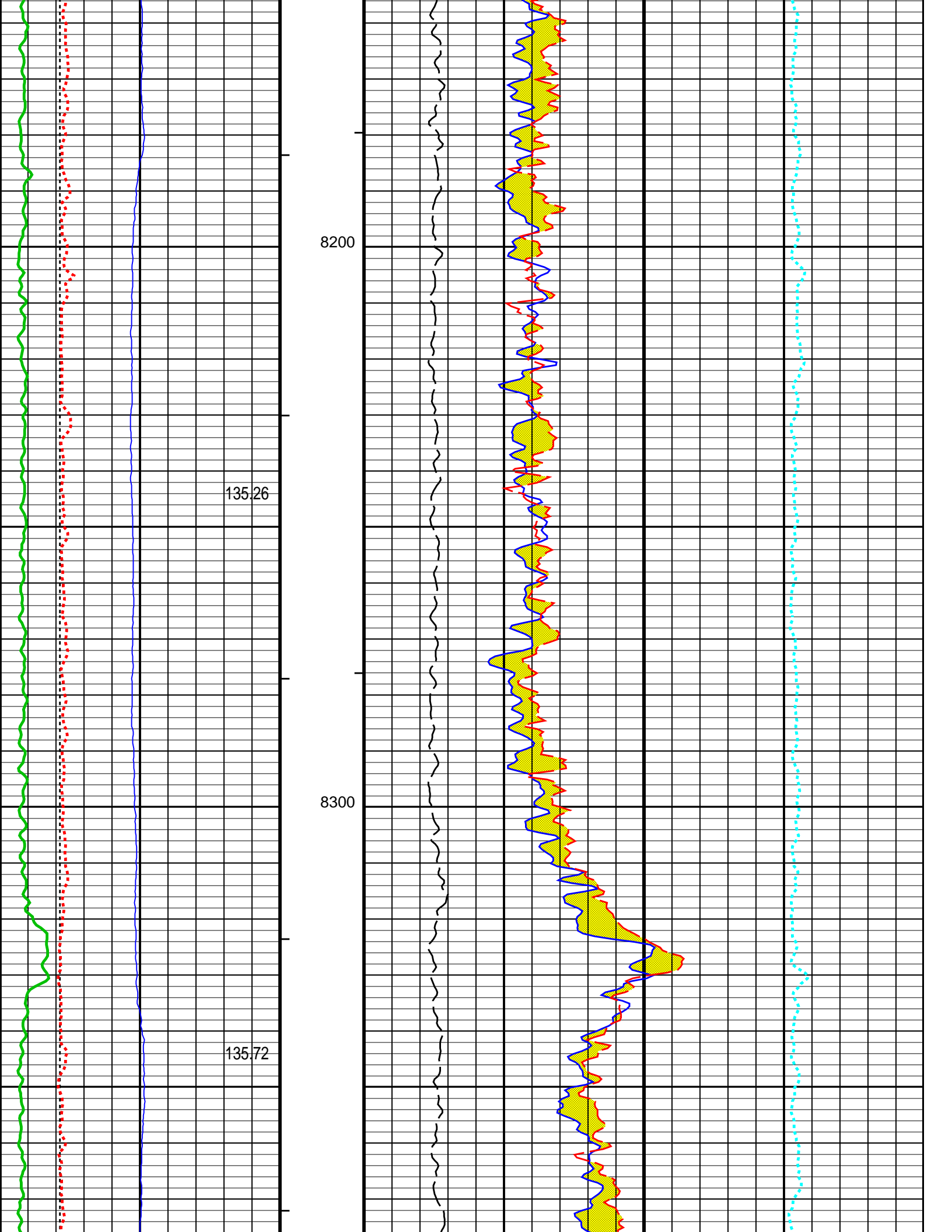


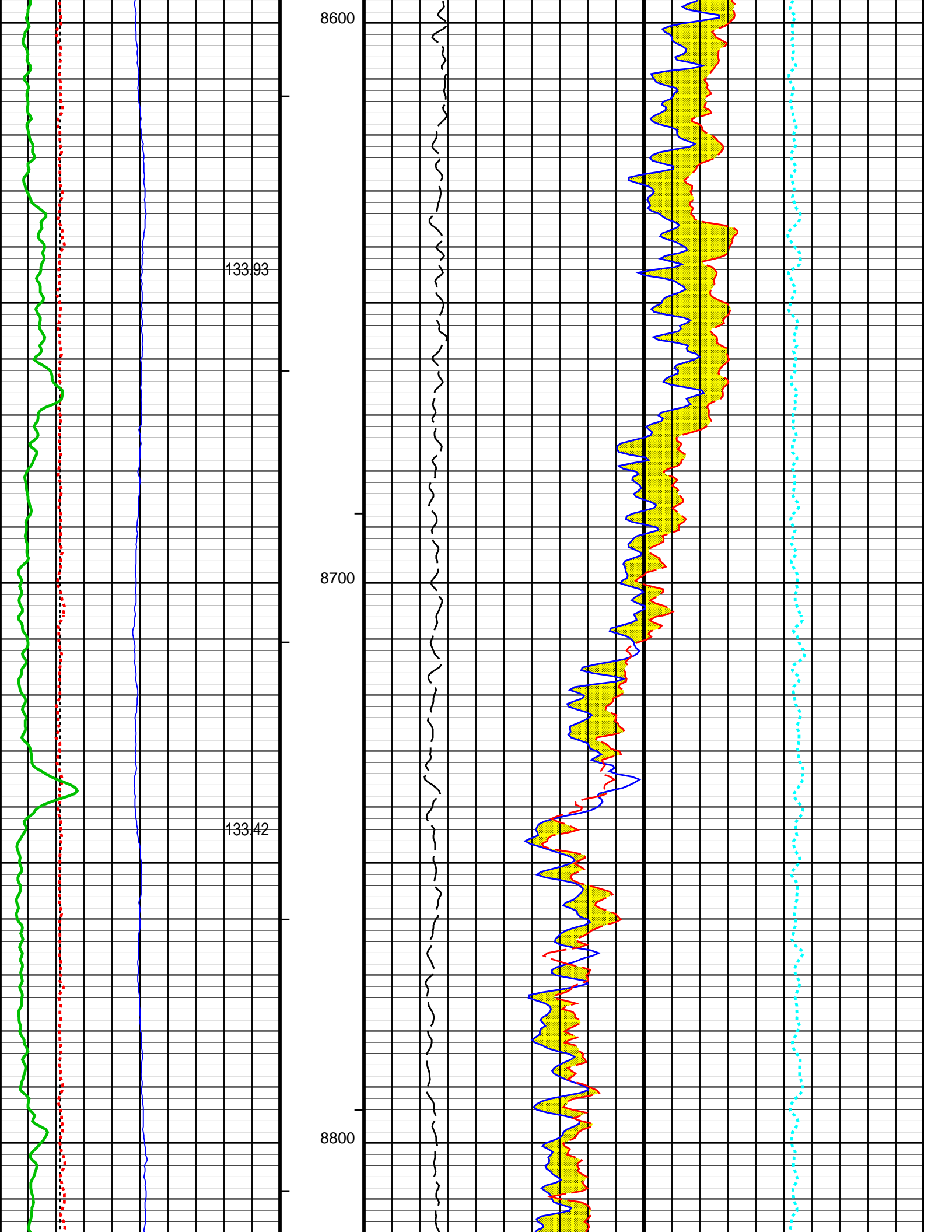


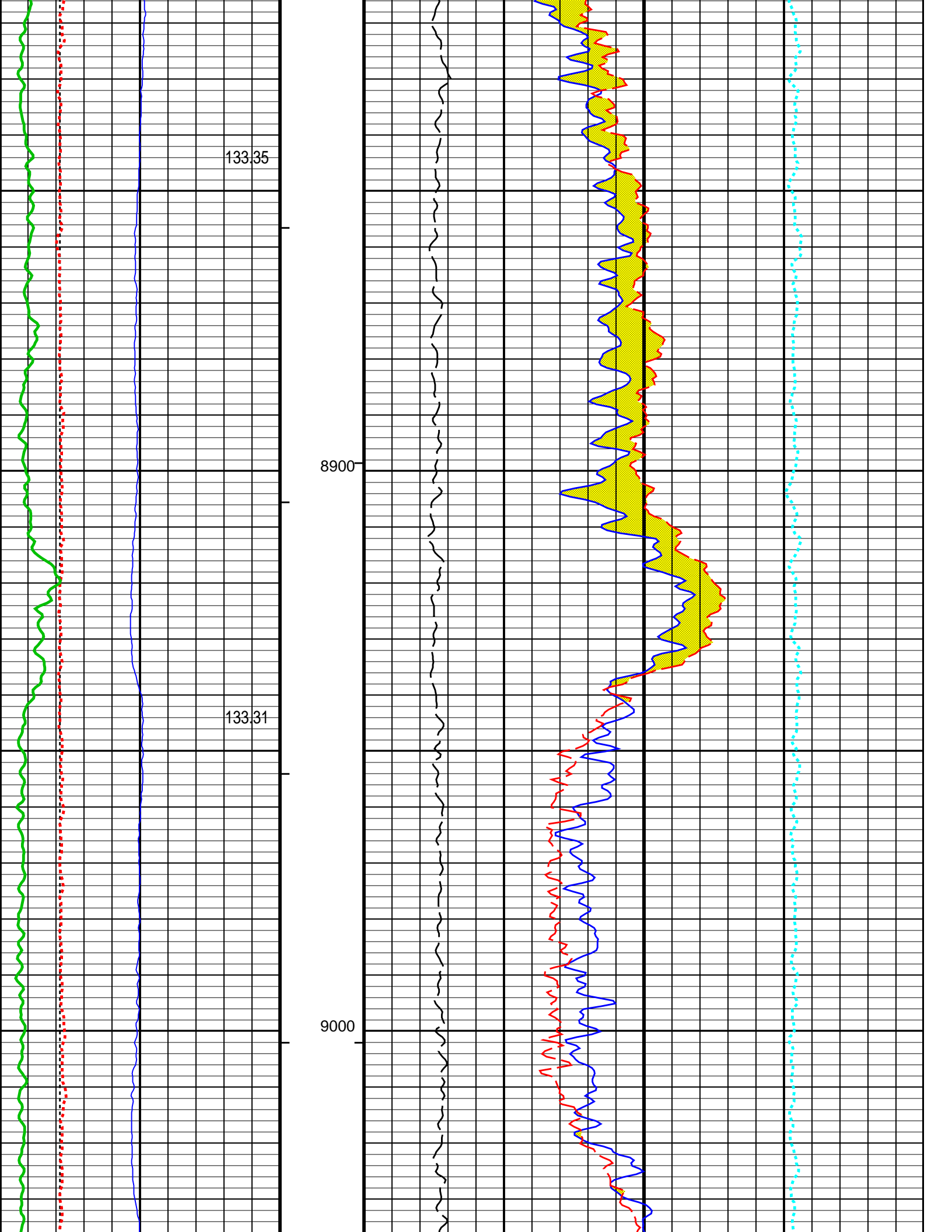


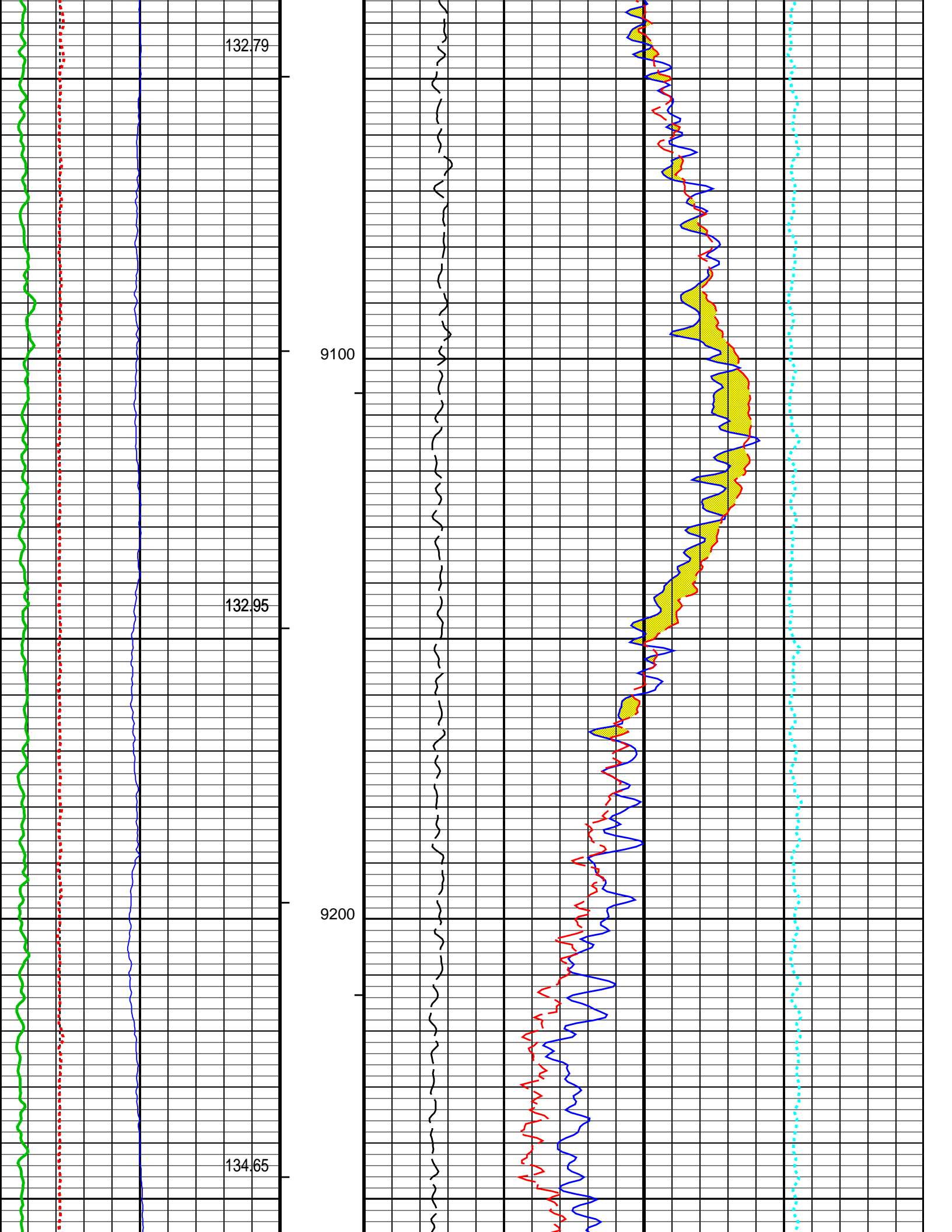


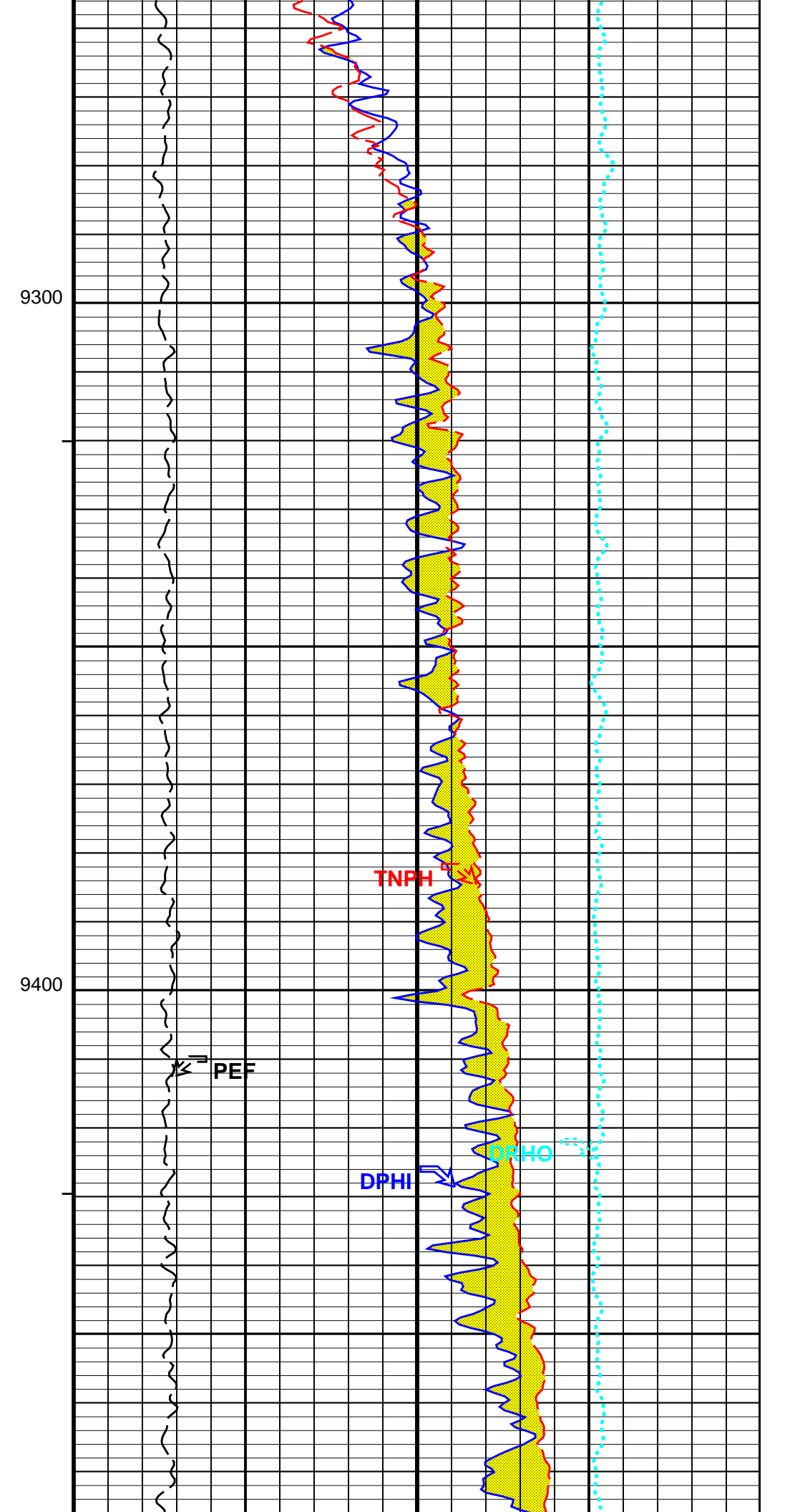
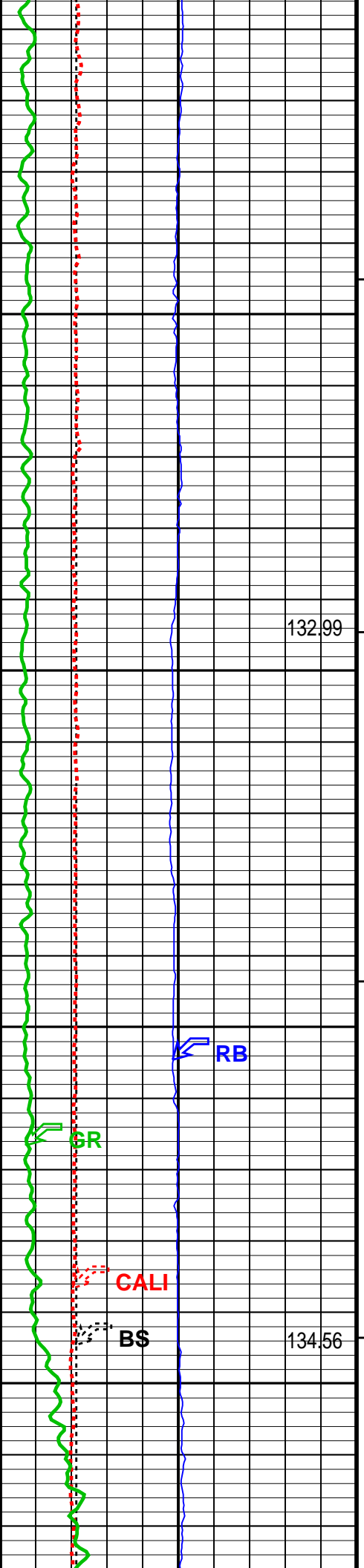


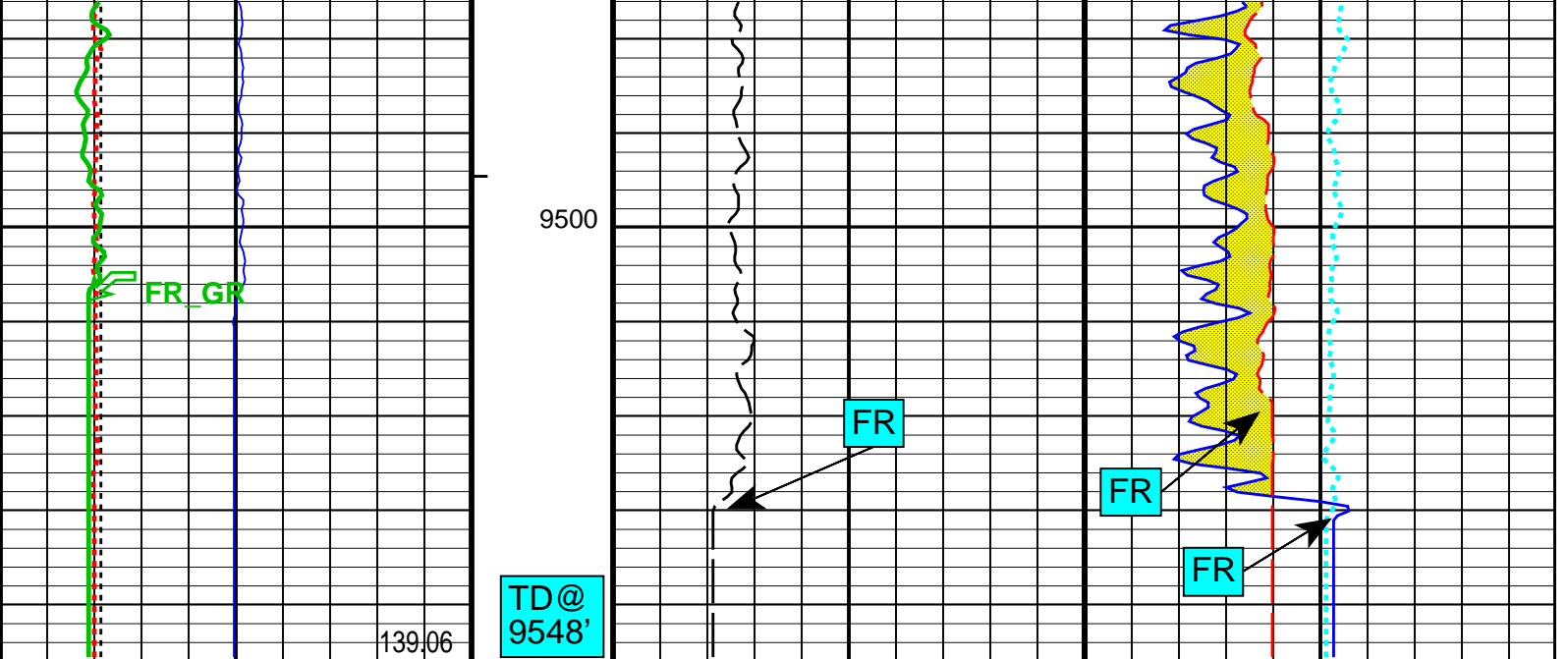












Relative Bearing (RB) (DEG)		0	360
Bit Size (BS) (IN)		4	14
Caliper (CALI) (IN)		4	14
Gamma Ray (GR) (GAPI)		0	150
GR Temp (WTEP) (DEGF)			
DPHI (DPHI) (PU)		30	-10
PEF (PEF) (---		0	10
DRHO (DRHO) (G/C3)		-0.5	0.5
TNPH (TNPH) (%)		30	-10

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
TBT-A: ThruBit String		
BHS	Borehole Status	OPEN
CSAL	Cement Salinity	0.000 ppm
CSID	Casing Size I.D.	6.366 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	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	8.300 lbm/gal
DIR: Directional Survey Computation		
SPVD	TVD of Starting Point	0.000 ft
TIMD	Along-hole depth of Tie-in Point	0.000 ft
TIVD	TVD of Tie-in Point	0.000 ft

HOLEV: Integrated Hole/Cement Volume
 Borehole Status
 Rock Matrix for Neutron Porosity Corrections
 System and Miscellaneous
 Bit Size
 Borehole Salinity
 Current Casing Size

OPEN
 LIME
 6.125 in
 3000.0 ppm
 7.000 in

Format: TB_5INCH_NUCLEAR Vertical Scale: 5" per 100' Graphics File Created: 09-Jun-2014 21:21

OP System Version: 19C2-270

TBT SRPC-5298-ThruBit_b

Input DLIS Files

DEFAULT ThruBit_012PUP FN:11 PRODUCER 09-Jun-2014 21:13 9546.0 FT 2390.0 FT



CALIBRATIONS

MAXIS Field Log

ThruBit String / Equipment Identification

Primary Equipment:	
Induction Resistivity	TBI - A 19
Density	TBD - A 1
Gamma-Ray Logging Source	GGLS - FZ
Thermal Neutron	TBN - A 5
Neutron Logging Source	NNLS - EWA
Telemetry Memory GR	TMG - A 10
Battery	TBAT - 7
Battery	TBAT - 40
Auxiliary Equipment:	

ThruBit String Master Calibration					
TBI Master Calibration Sonde Errors					
Freq 1, A1, R	Value	Nominal	Freq 1, A1, X	Value	Nominal
	-494.494	-457.000		-182.765	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
	-150.057	-141.000		1.15265	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
	-29.9572	-28.0000		-42.3344	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
	-16.4202	-16.0000		219.010	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
	-13.2984	-14.0000		113.972	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

		-261.557	-237.000			-147.700	150.000
-293.000 (Minimum)	(Nominal)	-186.000 (Maximum)		-375.000 (Minimum)	(Nominal)	675.000 (Maximum)	
	Freq 2, A2, R	Value	Nominal		Freq 2, A2, X	Value	Nominal
		-96.9931	-92.0000			-28.7710	160.000
-106.000 (Minimum)	(Nominal)	-76.0000 (Maximum)		-100.000 (Minimum)	(Nominal)	425.000 (Maximum)	
	Freq 2, A3, R	Value	Nominal		Freq 2, A3, X	Value	Nominal
		-21.5553	-21.0000			-80.7402	-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
		-19.2718	-20.0000			60.3706	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
		-18.2132	-20.0000			-15.3340	-25.0000
-27.0000 (Minimum)	(Nominal)	-10.0000 (Maximum)		-125.000 (Minimum)	(Nominal)	75.0000 (Maximum)	
	Freq 3, A1, R	Value	Nominal		Freq 3, A1, X	Value	Nominal
		-166.758	-149.000			-177.076	25.0000
-193.000 (Minimum)	(Nominal)	-108.000 (Maximum)		-375.000 (Minimum)	(Nominal)	425.000 (Maximum)	
	Freq 3, A2, R	Value	Nominal		Freq 3, A2, X	Value	Nominal
		-73.3695	-70.0000			-63.7105	70.0000
-81.0000 (Minimum)	(Nominal)	-57.0000 (Maximum)		-125.000 (Minimum)	(Nominal)	250.000 (Maximum)	
	Freq 3, A3, R	Value	Nominal		Freq 3, A3, X	Value	Nominal
		-17.2046	-17.0000			-118.599	-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
		-20.5205	-22.0000			-45.7453	-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
		-20.4566	-22.0000			-109.576	-110.000
-32.0000 (Minimum)	(Nominal)	-11.0000 (Maximum)		-250.000 (Minimum)	(Nominal)	-25.0000 (Maximum)	
	Freq 4, A1, R	Value	Nominal		Freq 4, A1, X	Value	Nominal
		-91.2093	-80.0000			-271.184	-190.000
-108.000 (Minimum)	(Nominal)	-54.0000 (Maximum)		-450.000 (Minimum)	(Nominal)	75.0000 (Maximum)	
	Freq 4, A2, R	Value	Nominal		Freq 4, A2, X	Value	Nominal
		-53.2753	-50.0000			-127.765	-75.0000
-60.0000 (Minimum)	(Nominal)	-41.0000 (Maximum)		-200.000 (Minimum)	(Nominal)	50.0000 (Maximum)	
	Freq 4, A3, R	Value	Nominal		Freq 4, A3, X	Value	Nominal
		-13.4113	-14.0000			-188.947	-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
		-23.0753	-25.0000			-204.407	-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
		-25.2232	-28.0000			-268.644	-300.000
-43.0000 (Minimum)	(Nominal)	-12.0000 (Maximum)		-475.000 (Minimum)	(Nominal)	-125.000 (Maximum)	

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ThruBit String Master Calibration						
TBI Master Calibration COMPLEX GAINS						
Freq 1, R	Value	Nominal	Freq 1, X	Value	Nominal	

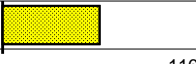
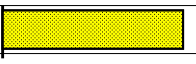
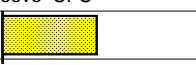
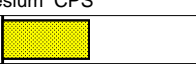
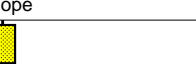



		0.9967	1.000			0.0009156	0
		0.9929	1.000			0.001530	0
		0.9957	1.000			-0.006284	0
		0.9868	1.000			0.002957	0
		0.9942	1.000			0.0004733	0
0.9500 (Minimum)	(Nominal)	1.050 (Maximum)			-0.05000 (Minimum)	(Nominal)	0.05000 (Maximum)
Freq 2, R		Value	Nominal	Freq 2, X		Value	Nominal
		0.9910	1.000			-0.008202	0
		0.9871	1.000			-0.007101	0
		0.9842	1.000			-0.007563	0
		0.9823	1.000			-0.005757	0
		0.9921	1.000			-0.007875	0
0.9500 (Minimum)	(Nominal)	1.050 (Maximum)			-0.05000 (Minimum)	(Nominal)	0.05000 (Maximum)
Freq 3, R		Value	Nominal	Freq 3, X		Value	Nominal
		0.9975	1.000			-0.006056	0
		0.9938	1.000			-0.005104	0
		0.9908	1.000			-0.005660	0
		0.9876	1.000			-0.003825	0
		1.001	1.000			-0.005115	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
		0.9991	1.000			-0.02122	0
		0.9951	1.000			-0.02048	0
		0.9944	1.000			-0.02302	0
		0.9898	1.000			-0.01927	0
		1.016	1.000			-0.02243	0
0.9300 (Minimum)	(Nominal)	1.070 (Maximum)			-0.05000 (Minimum)	(Nominal)	0.05000 (Maximum)

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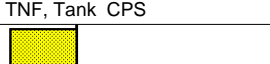
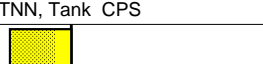
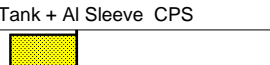
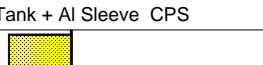

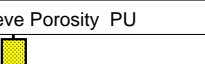
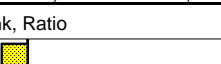

ThruBit String Master Calibration								
TBD Caliper Master Calibration								
Caliper 12in Ring IN	Value	Nominal	Caliper 9in Ring IN	Value	Nominal	Caliper 6in Ring IN	Value	Nominal
	1829.6	1949.8		2000.4	2096.7		2154.1	2285.7
1799.8 (Minimum)	(Nominal)	2099.8 (Maximum)	1946.7 (Minimum)	(Nominal)	2246.7 (Maximum)	2135.7 (Minimum)	(Nominal)	2435.7 (Maximum)

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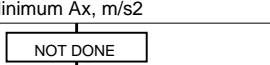
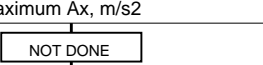
ThruBit String Master Calibration						
TBD Density Master Calibration. PEEK Window, ThruBit blocks						
Aluminium Density G/C3	Value	Nominal	Magnesium Density G/C3	Value	Nominal	
	2.607	2.607		1.752	1.752	
2.557 (Minimum)	(Nominal)	2.657 (Maximum)	1.702 (Minimum)	(Nominal)	1.802 (Maximum)	
LS1 Background CPS	Value	Nominal	SS1 Background CPS	Value	Nominal	
	140.06	140.00		130.68	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	
	29.98	29.00		5172.93	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	
	919.42	870.00		8570.44	8000.00	

750.00 (Minimum)	(Nominal)	982.00 (Maximum)		6695.00 (Minimum)	(Nominal)	9269.00 (Maximum)	
LS4 Aluminium CPS			Value	Nominal			
			1059.3	955.00			
796.00 (Minimum)	(Nominal)	1169.0 (Maximum)					
LS1 Al + Sleeve CPS			Value	Nominal			
			826.93	725.00			
650.00 (Minimum)	(Nominal)	838.00 (Maximum)					
LS4 Al + Sleeve CPS			Value	Nominal			
			526.53	426.50			
382.00 (Minimum)	(Nominal)	638.00 (Maximum)					
LS1 Magnesium CPS			Value	Nominal			
			6096.30	5800.00			
5158.00 (Minimum)	(Nominal)	6486.00 (Maximum)					
SS Slope			Value	Nominal			
			1.641	1.645			
1.520 (Minimum)	(Nominal)	1.770 (Maximum)					
LS Slope			Value	Nominal			
			0.4173	0.4150			
0.3800 (Minimum)	(Nominal)	0.4500 (Maximum)					
Pef K Factor			Value	Nominal			
			4.823	4.840			
3.510 (Minimum)	(Nominal)	6.170 (Maximum)					
Pef B Factor			Value	Nominal			
			-0.6694	-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		Value	Nominal
			0.11	1.0			0.12	1.0
0 (Minimum)	(Nominal)	2.0 (Maximum)			0 (Minimum)	(Nominal)	2.0 (Maximum)	
TNF, Tank CPS			Value	Nominal	TNN, Tank CPS		Value	Nominal
			72.30	96.00			2210.4	2860.0
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		Value	Nominal
			2266.2	3040.0			24686.9	32350.0
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		Value	Nominal
			11.031	10.797			14.46	14.40
10.300 (Minimum)	(Nominal)	11.300 (Maximum)			13.40 (Minimum)	(Nominal)	15.40 (Maximum)	
Tank, Ratio			Value	Nominal	Tank, Temperature DEGF		Value	Nominal
			30.571	30.958			80.7	70.0
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/s2			Value	Nominal	Maximum Ax, m/s2		Value	Nominal
			N/A	-9.810			N/A	9.810

-10.81 (Minimum)	(Nominal)	-8.810 (Maximum)		8.810 (Minimum)	(Nominal)	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)	(Nominal)	-8.810 (Maximum)		8.810 (Minimum)	(Nominal)	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)	(Nominal)	1.000 (Maximum)		8.810 (Minimum)	(Nominal)	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		Value	Nominal
			25.62	30.00			168.1	170.8
0 (Minimum)	(Nominal)	120.0 (Maximum)		136.6 (Minimum)	(Nominal)	205.0 (Maximum)		
Master: 31-May-2014 12:50								

Company: **SANDRIDGE ENERGY INC**

Schlumberger

Well: **JANET 3404 1-7H**

Field: **BLUFF**

County: **SUMNER**

State: **KANSAS**

SPECTRAL DENSITY / DUAL SPACED NEUTRON
GAMMA RAY
MEMORY LOG