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

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

REMARKS: RUN NUMBER 1
 SERVICE:HORIZONTAL PUMP DOWN MEMORY BIT DEPTH: 8982' LOGGED TO: 2500'
 ALL SCALES AND PRESENTATIONS PER CLIENT REQUEST
 LIMESTONE MATRIX 2.71 g/cc USED FOR POROSITY MEASUREMENTS
 TOOLSTRING RAN WITH SWIVEL AND SMALL DE-CENTRALIZE
 TBHV REPRESENTS TOTAL BOREHOLE VOLUME, ft3
 ABHV REPRESENTS ANNULAR HOLE COLUME, CALCULATED FOR 4.5" CSG, ft3
 HSPM USED TO ACQUIRE LOG DEPTH
 LOG CORRELATED TO MWD GR
 RIG:HORIZON 15
 CREW: C.PARKER I.HERNANDEZ R.WILSON

REMARKS: RUN NUMBER 2
 LOGGED TO: 2500'
 ALL SCALES AND PRESENTATIONS PER CLIENT REQUEST
 LIMESTONE MATRIX 2.71 g/cc USED FOR POROSITY MEASUREMENTS
 TOOLSTRING RAN WITH SWIVEL AND SMALL DE-CENTRALIZE
 TBHV REPRESENTS TOTAL BOREHOLE VOLUME, ft3
 ABHV REPRESENTS ANNULAR HOLE COLUME, CALCULATED FOR 4.5" CSG, ft3
 HSPM USED TO ACQUIRE LOG DEPTH
 LOG CORRELATED TO MWD GR
 RIG:HORIZON 15
 CREW: C.PARKER I.HERNANDEZ R.WILSON

RUN 1		
SERVICE ORDER #:	2877	
PROGRAM VERSION:	19C2-270	
FLUID LEVEL:	0 ft	
LOGGED INTERVAL	START	STOP

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

EQUIPMENT DESCRIPTION

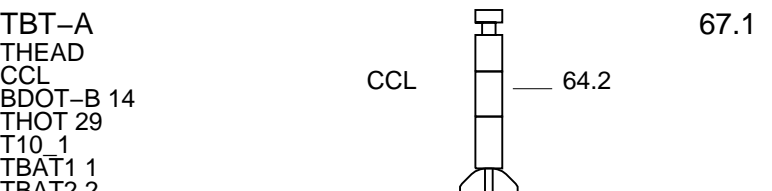
RUN 1

SURFACE EQUIPMENT

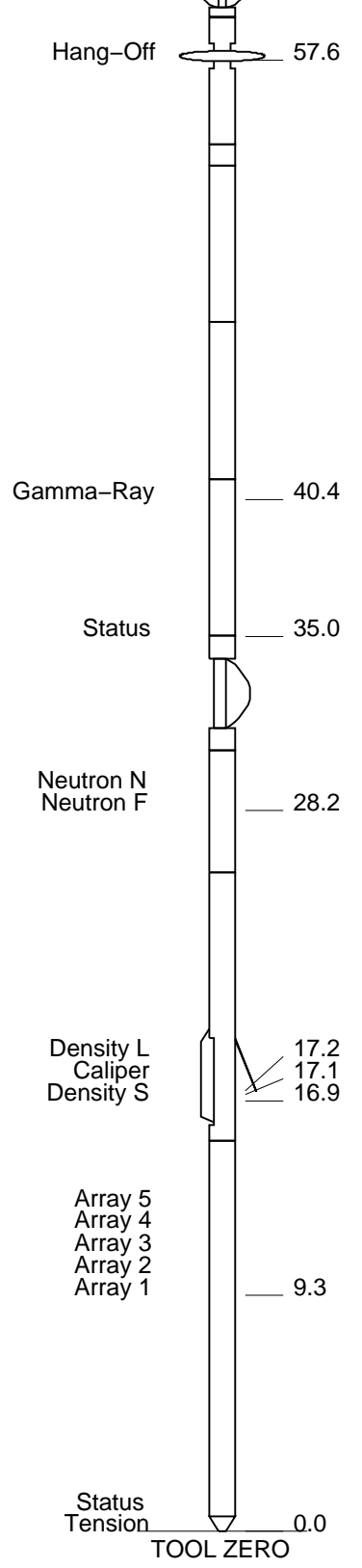
WITM (ThruBit)

RUN 2

DOWNHOLE EQUIPMENT



TMG-A 27
TILE-A
TBN-A 27
NNLS-EWA 4484
TBD-A 43
GGLS-FZ 3216
TBI-A 48



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

Schlumberger

MAIN PASS

MAXIS Field Log

Company: SANDRIDGE ENERGY

Well: MISAK 3404 1-30H

Input DLIS Files

ThruBit_006PUP

FN:5

21-May-2014 00:54 9047.9 FT

2430.9 FT

OP System Version: 19C2-270

TBT SRPC-5298-ThruBit_b

Relative Bearing
(RB)
0 (DEG) 940

gr wrap4
From LHT1 to GR4

gr wrap3
From LHT1 to GR3

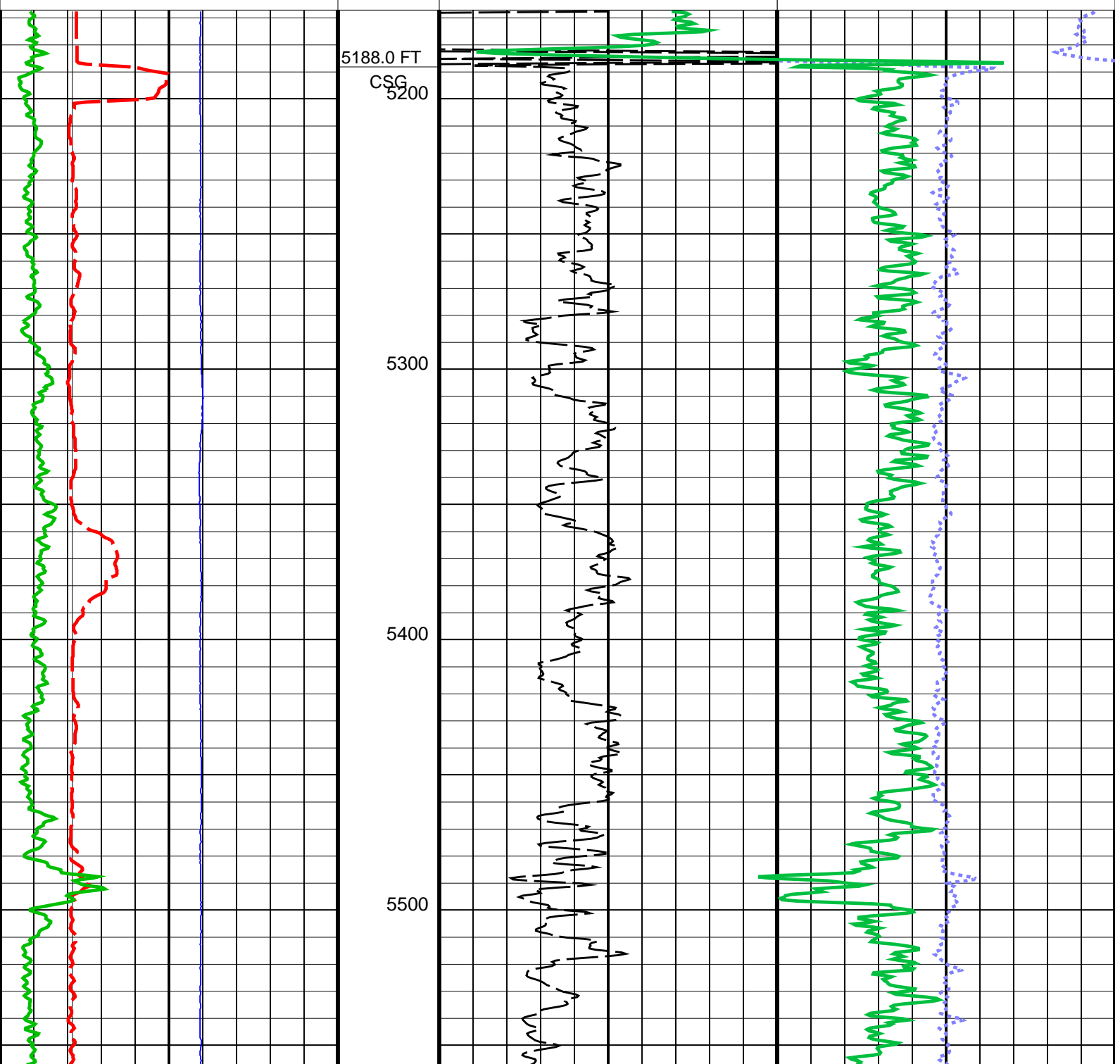
gr wrap2
From LHT1 to GR2

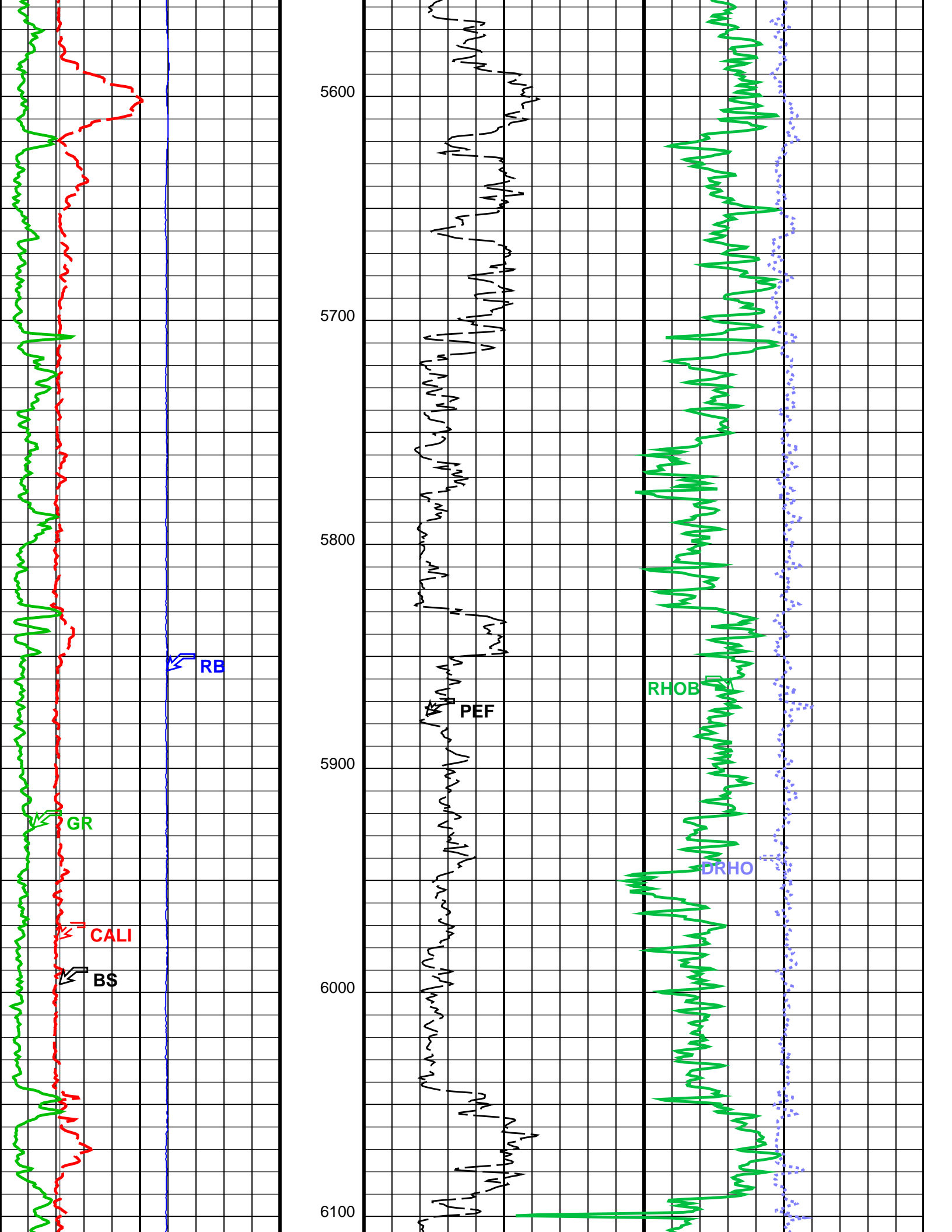
gr wrap1
From LHT1 to GR1

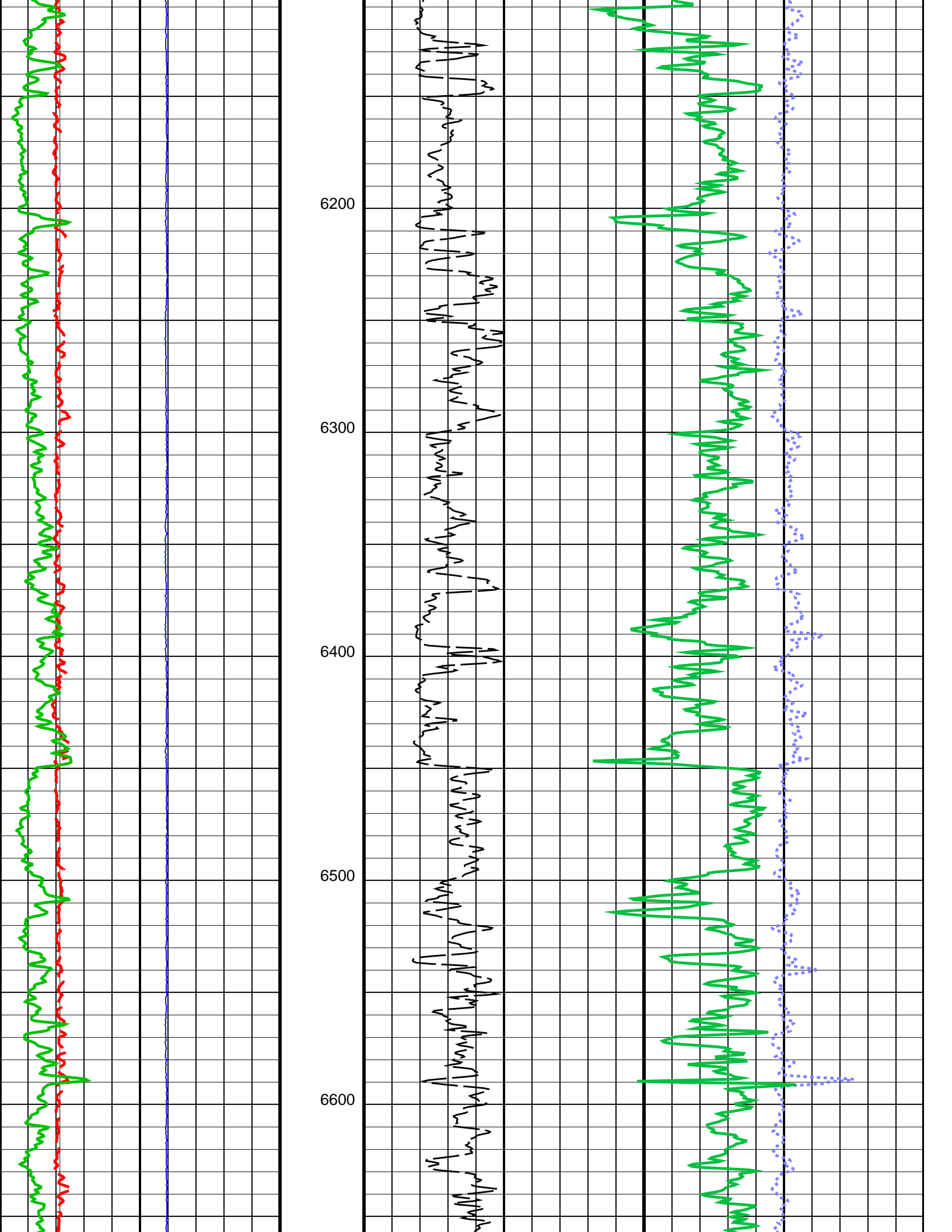
Gamma Ray (GR)

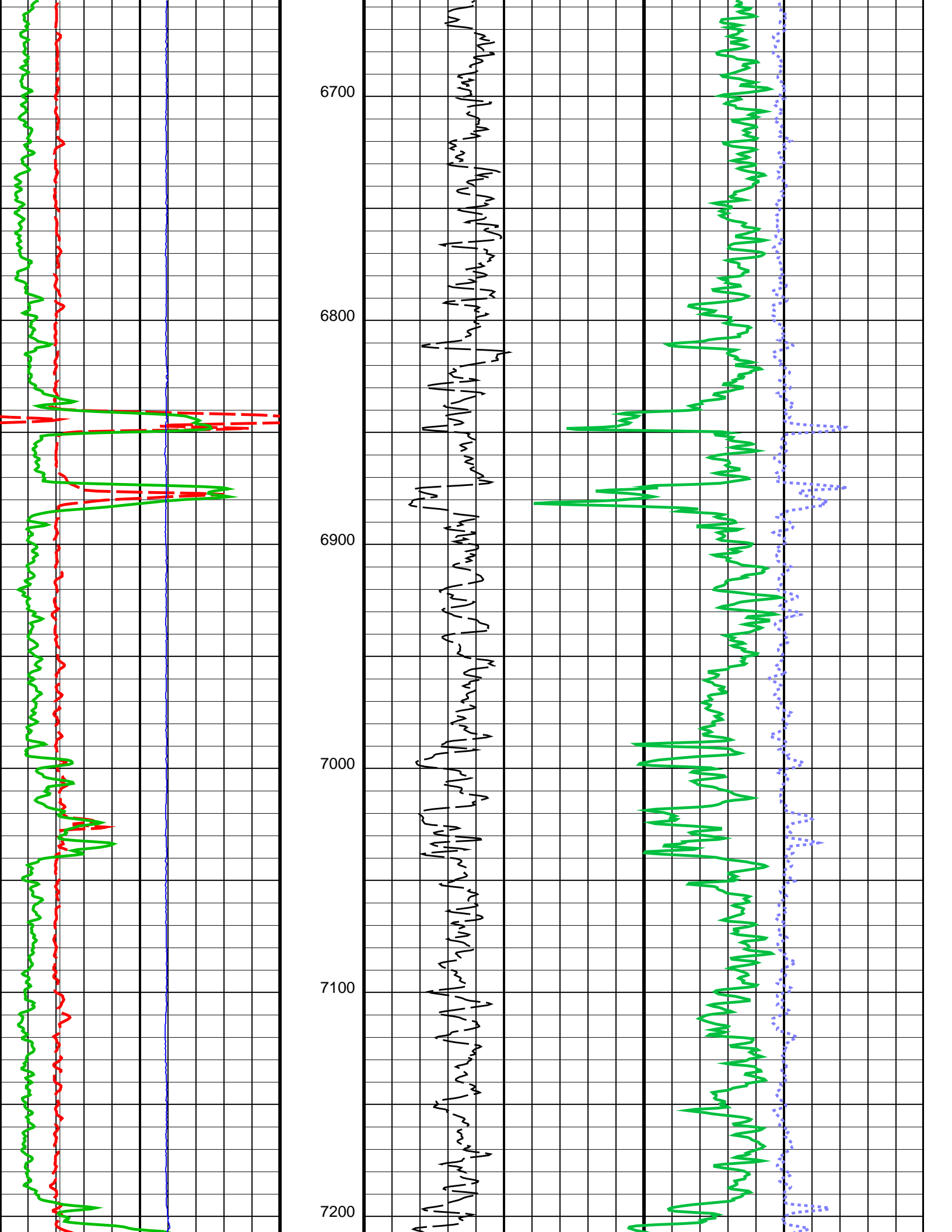
Gamma Ray (GR)		
0	(GAPI)	150
Caliper (CALI)		
4	(IN)	14
Gamma Ray 4 (GR)		
600	(GAPI)	750
Gamma Ray 3 (GR)		
450	(GAPI)	600
Gamma Ray 2 (GR)		
300	(GAPI)	450
Gamma Ray 1 (GR)		
150	(GAPI)	300
Bit Size (BS)		
4	(IN)	14

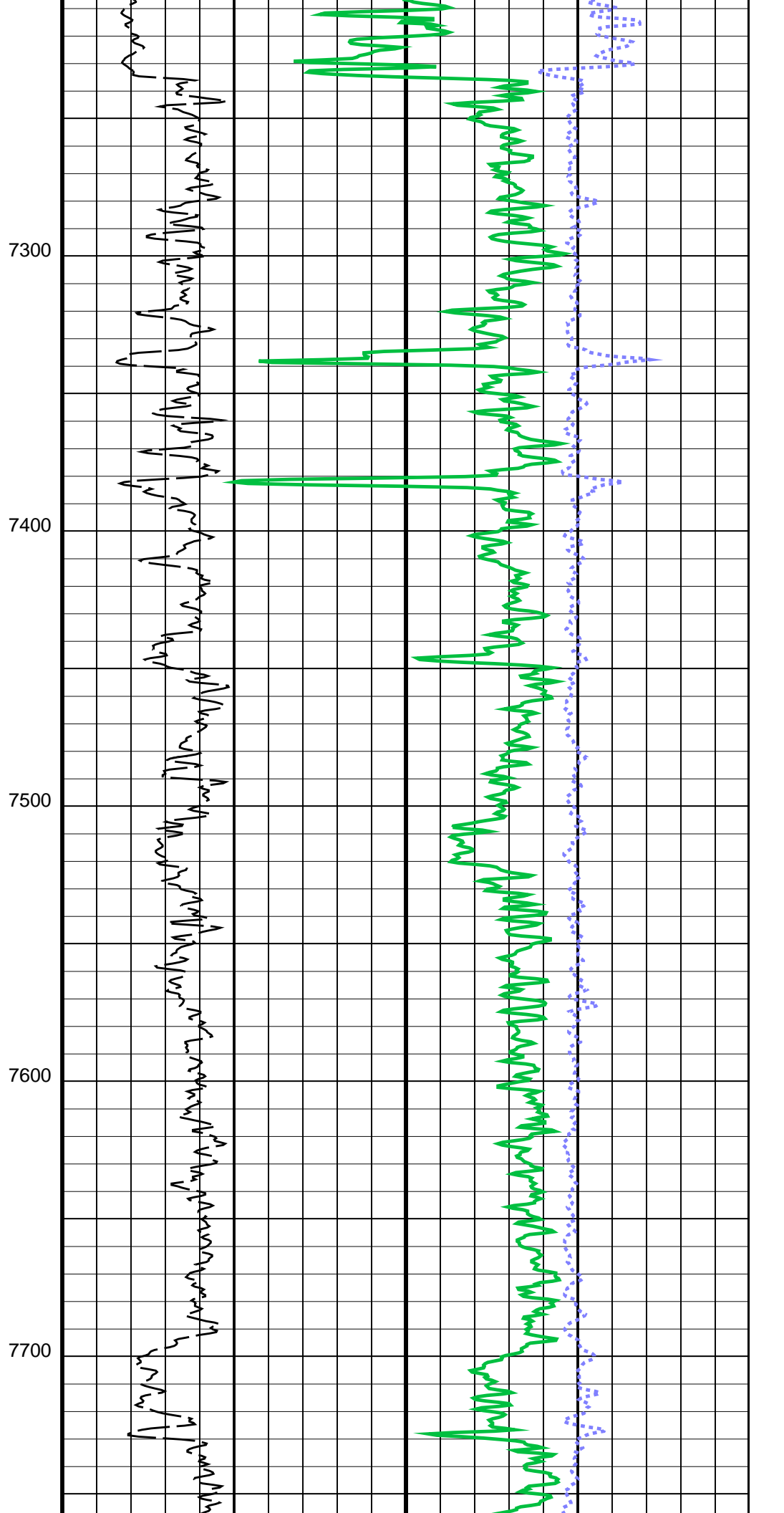
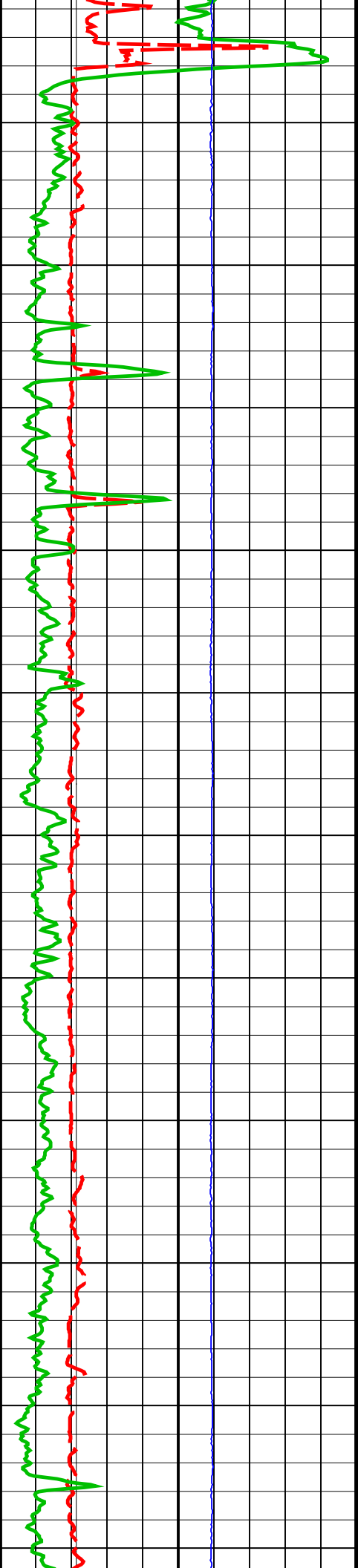
RHOB (RHOB)					
2	(G/C3)	3			
PEF (PEF)		DRHO (DRHO)			
0	(----	10	-0.5	(G/C3)	0.5

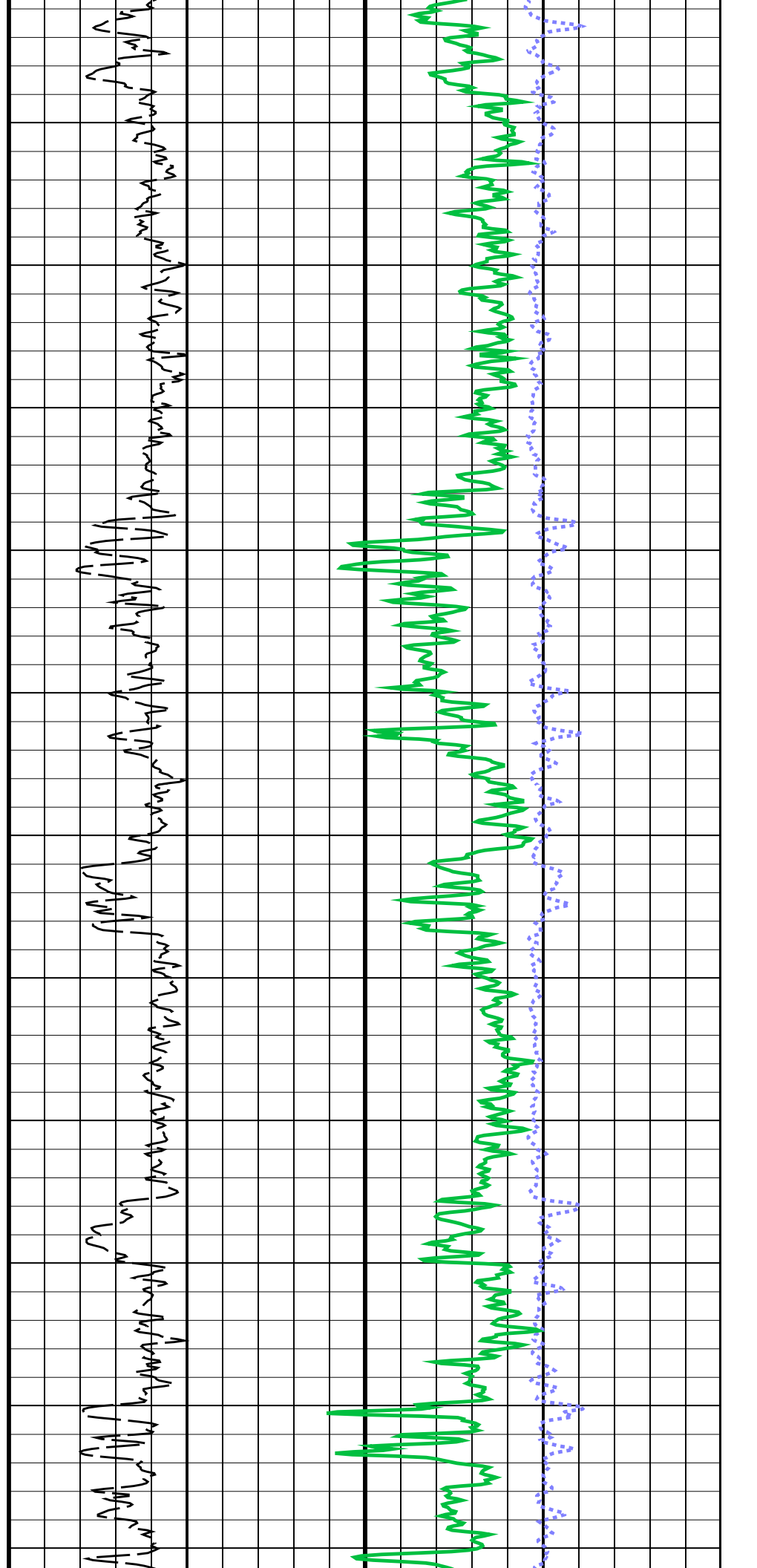
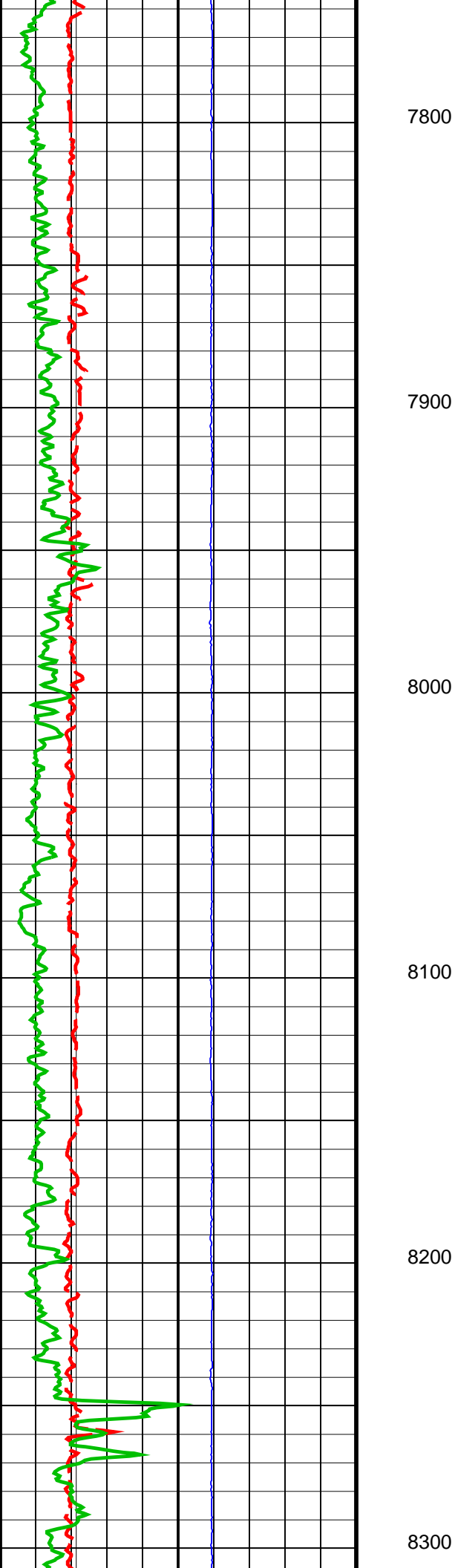


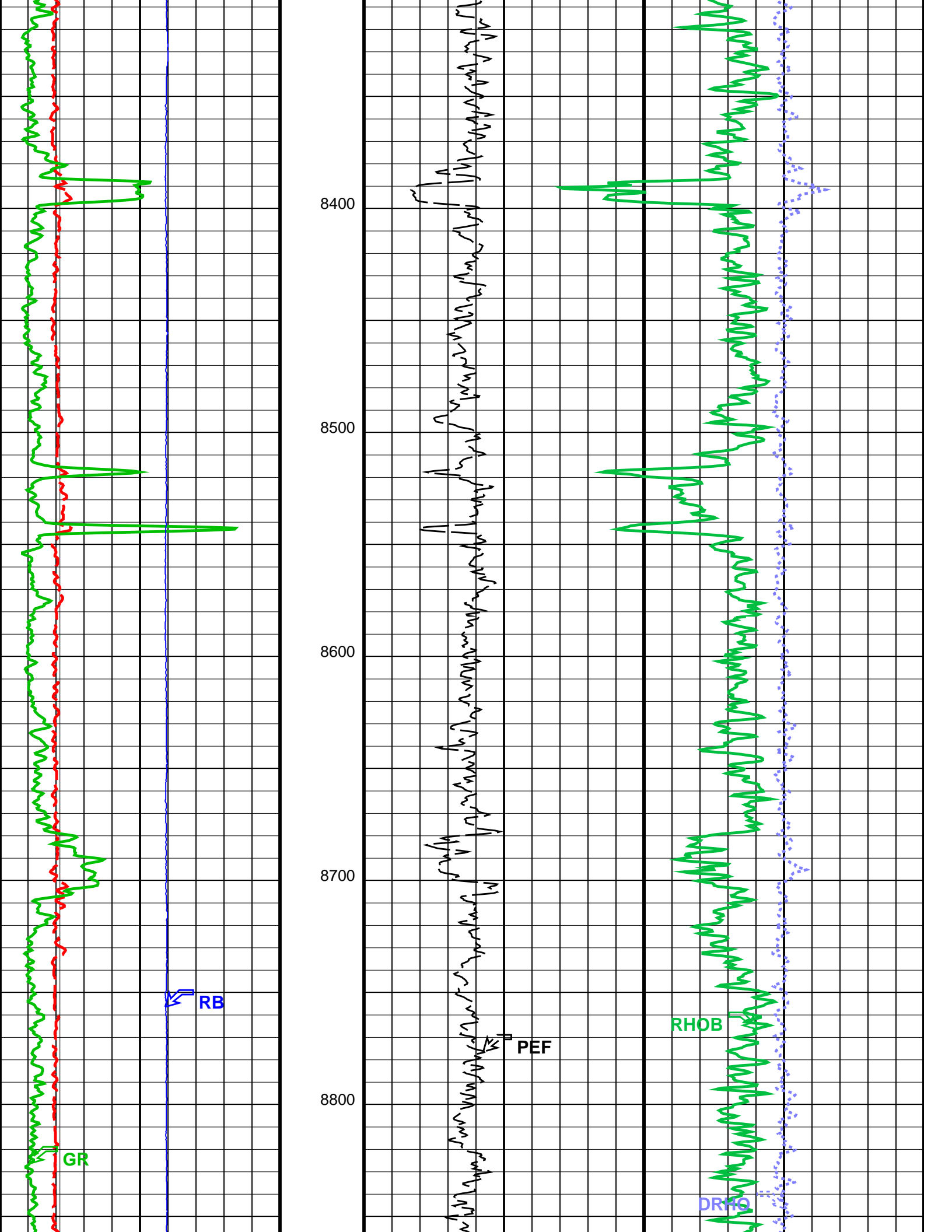


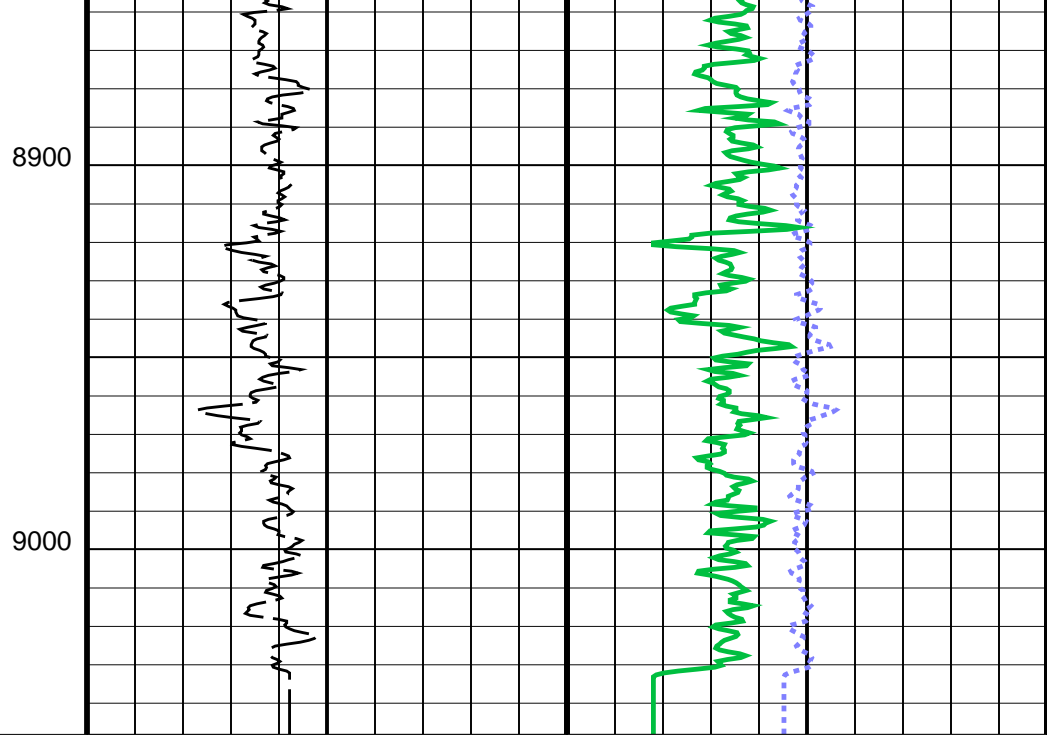
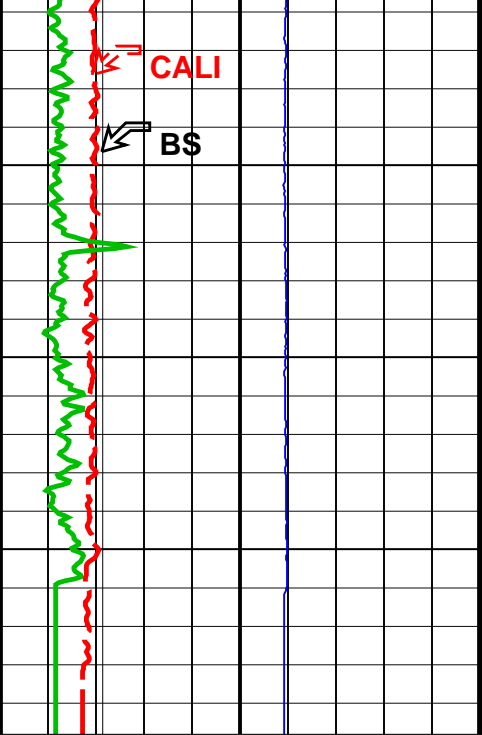












Bit Size (BS)		
4	(IN)	14

Gamma Ray 1 (GR)		
150	(GAPI)	300

Gamma Ray 2 (GR)		
300	(GAPI)	450

Gamma Ray 3 (GR)		
450	(GAPI)	600

Gamma Ray 4 (GR)		
600	(GAPI)	750

Caliper (CALI)		
4	(IN)	14

Gamma Ray (GR)		
0	(GAPI)	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)		
-0.5	(G/C3)	0.5

RHOB (RHOB)		
2	(G/C3)	3

Parameters

DLIS Name	Description	Value
TBT-A:	ThruBit String	
DHC	Density Hole Correction	
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	9.000	lbm/gal
BS	System and Miscellaneous Bit Size	6.125	in

Format: TB_2INCH_NUCLEAR Vertical Scale: 2" per 100' Graphics File Created: 21-May-2014 01:00

OP System Version: 19C2-270

TBT SRPC-5298-ThruBit_b

Input DLIS Files

ThruBit_006PUP FN:5 21-May-2014 00:54 9047.9 FT 2430.9 FT



MAXIS Field Log

Company: SANDRIDGE ENERGY Well: MISAK 3404 1-30H

Input DLIS Files

ThruBit_006PUP FN:5 21-May-2014 00:54 9047.9 FT 2430.9 FT

OP System Version: 19C2-270

TBT SRPC-5298-ThruBit_b

PIP SUMMARY

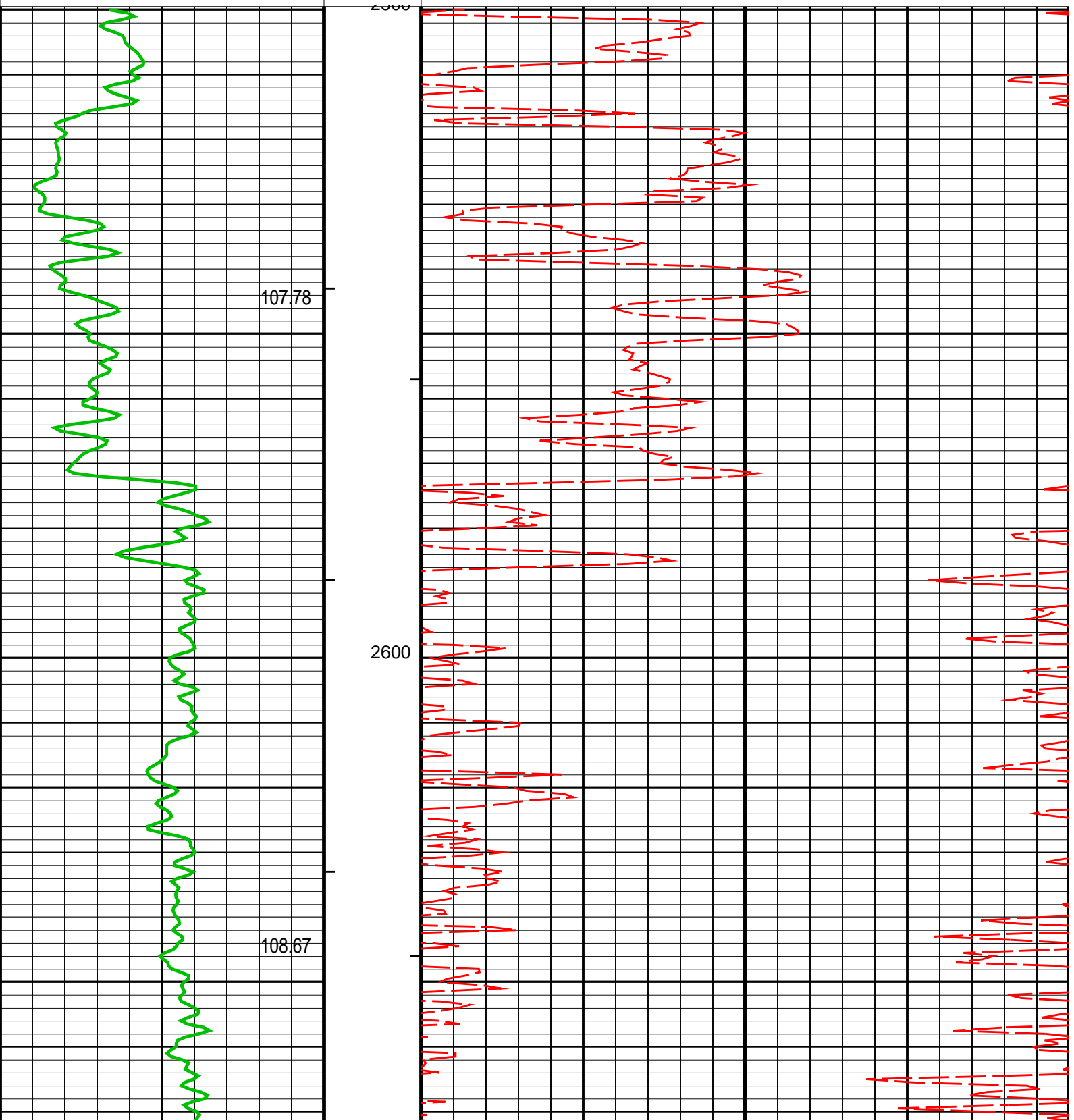
- └ Integrated Cement Volume Major Pip Every 100 F3
- └ Integrated Cement Volume Minor Pip Every 10 F3
- └ Integrated Hole Volume Major Pip Every 100 F3
- └ Integrated Hole Volume Minor Pip Every 10 F3

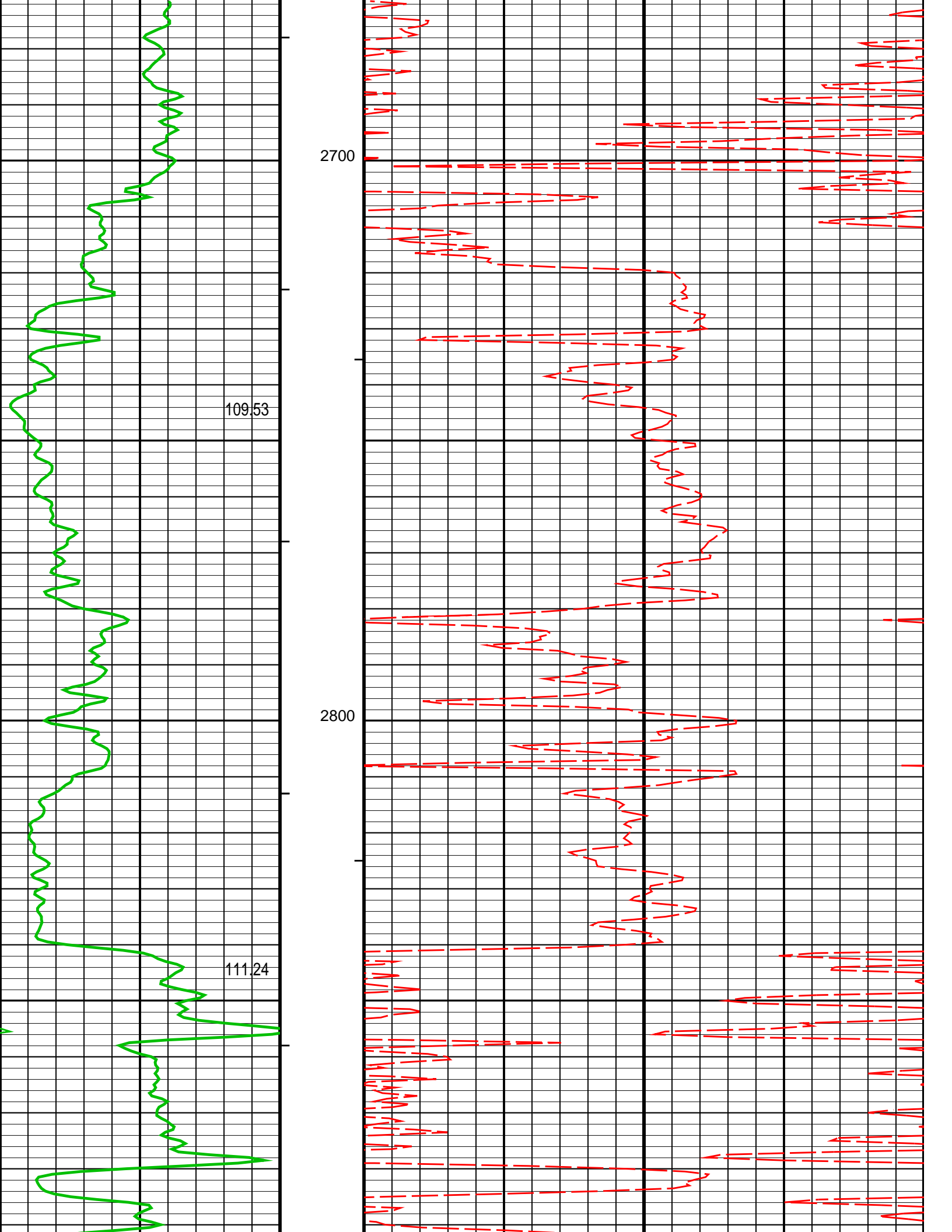
	Relative Bearing (RB)	
	0 (DEG)	940
gr wrap4 From LHT1 to GR4		
gr wrap3 From LHT1 to GR3		
gr wrap2 From LHT1 to GR2		
gr wrap1 From LHT1 to GR1		
Gamma Ray (GR)		
0 (GAPI)		150
Caliper (CALI)		
4 (IN)		14
Gamma Ray 4 (GR)		
600 (GAPI)		750

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

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

GR Temp (WTEP)
(DEGF)



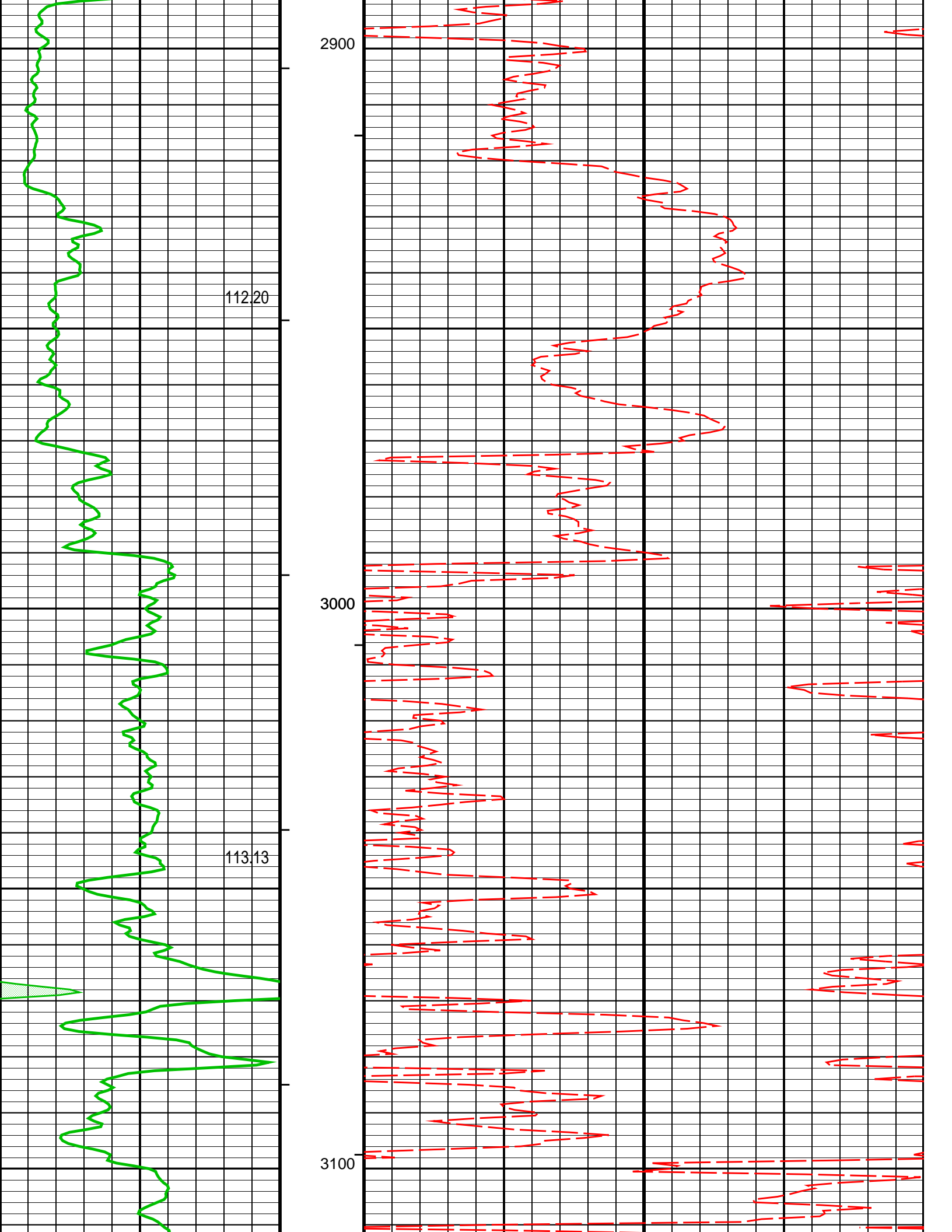


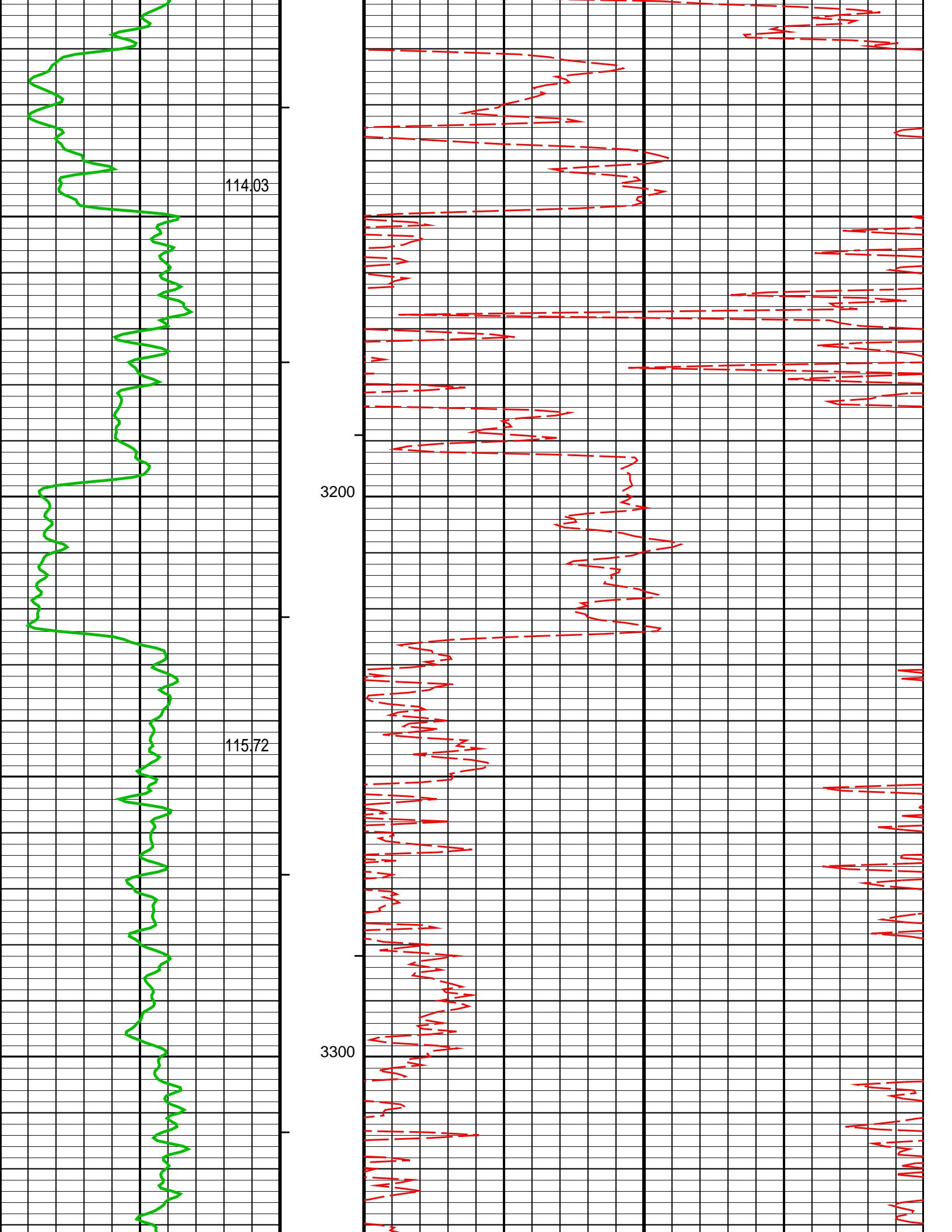
109.53

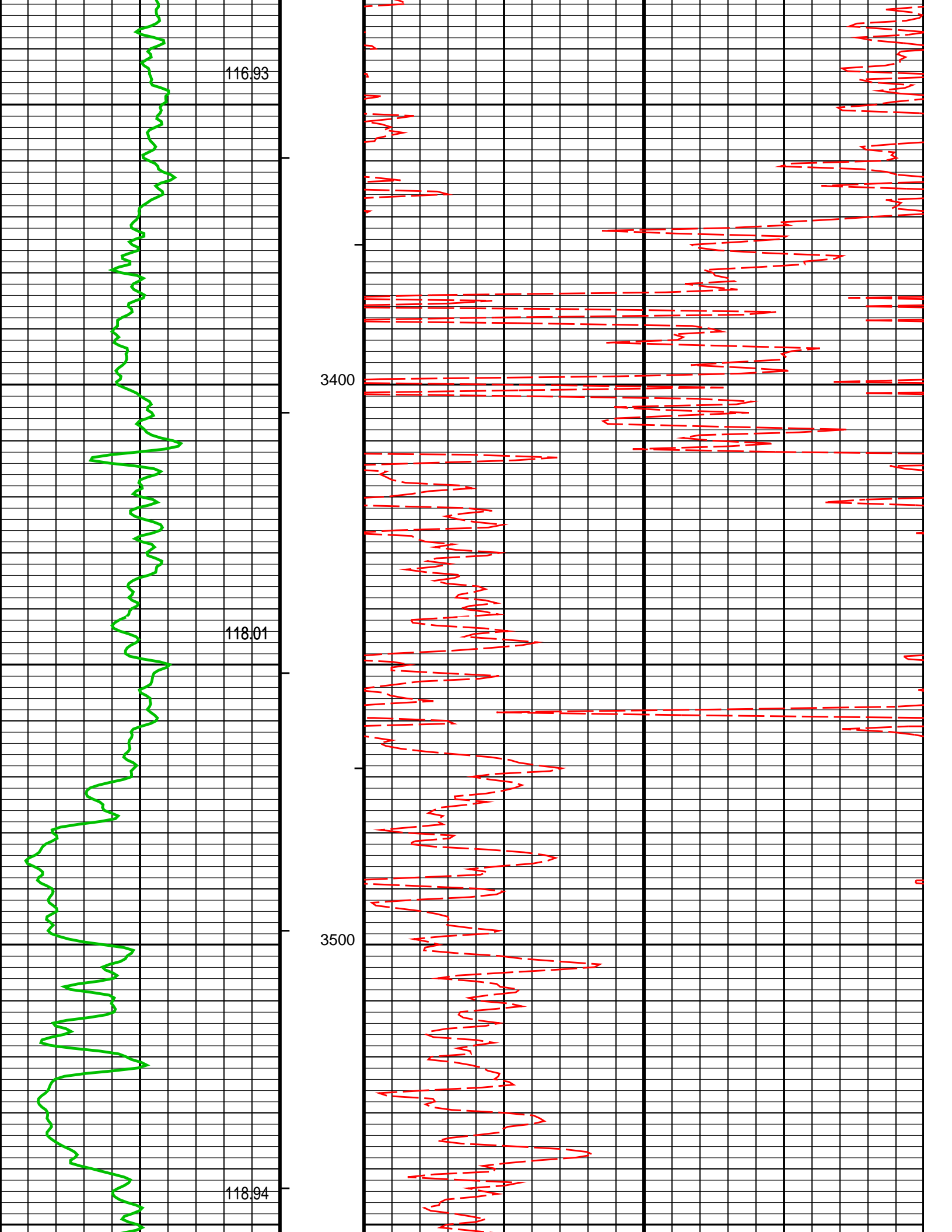
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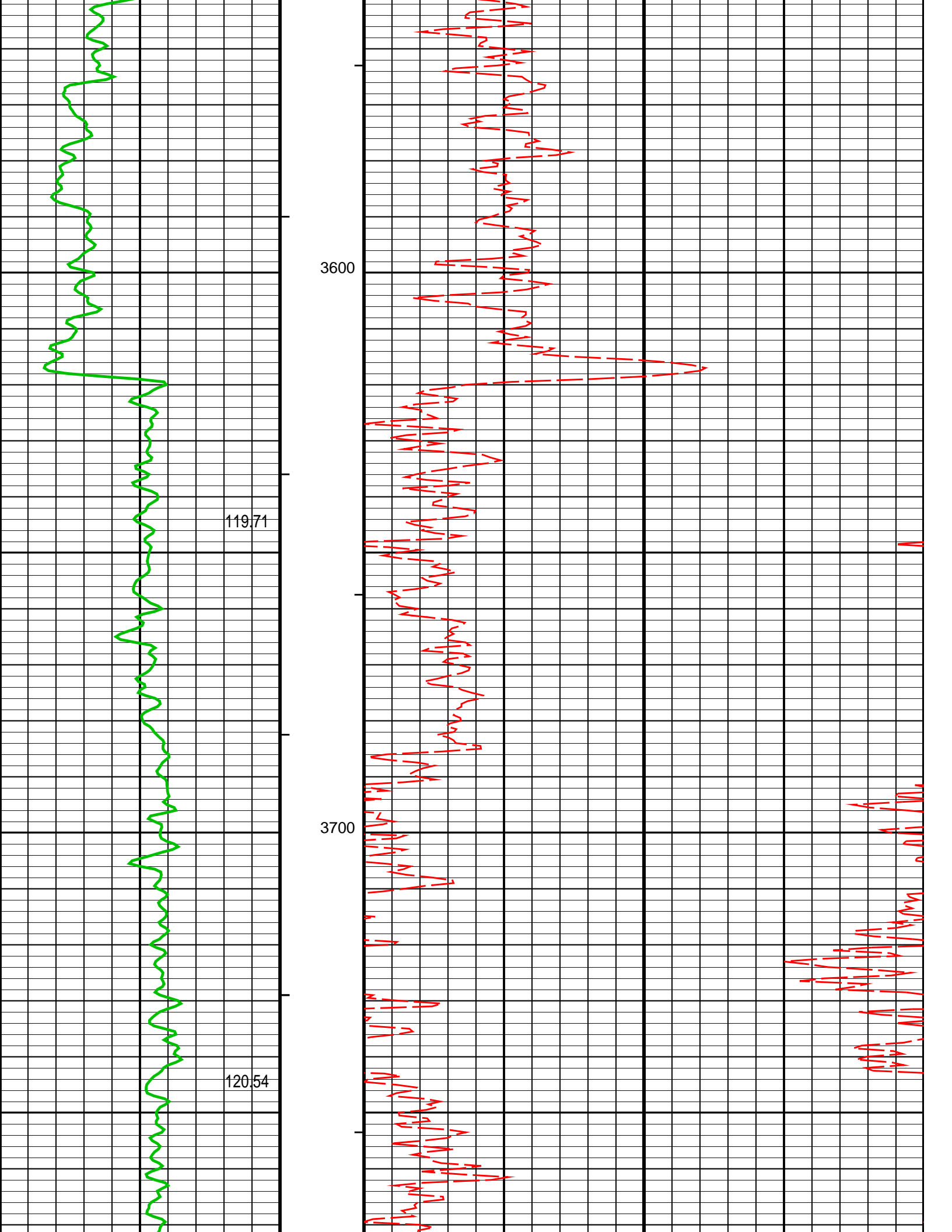
2700

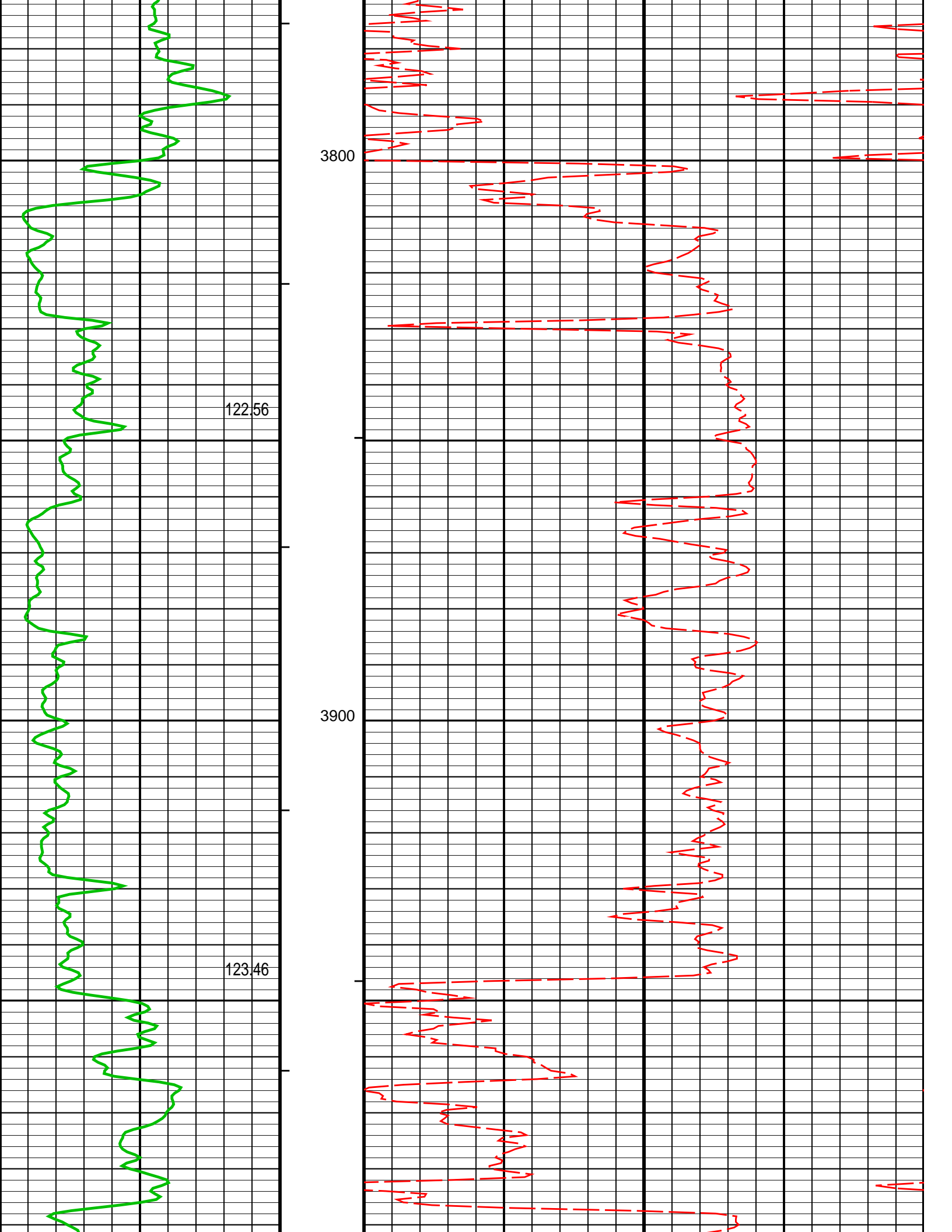
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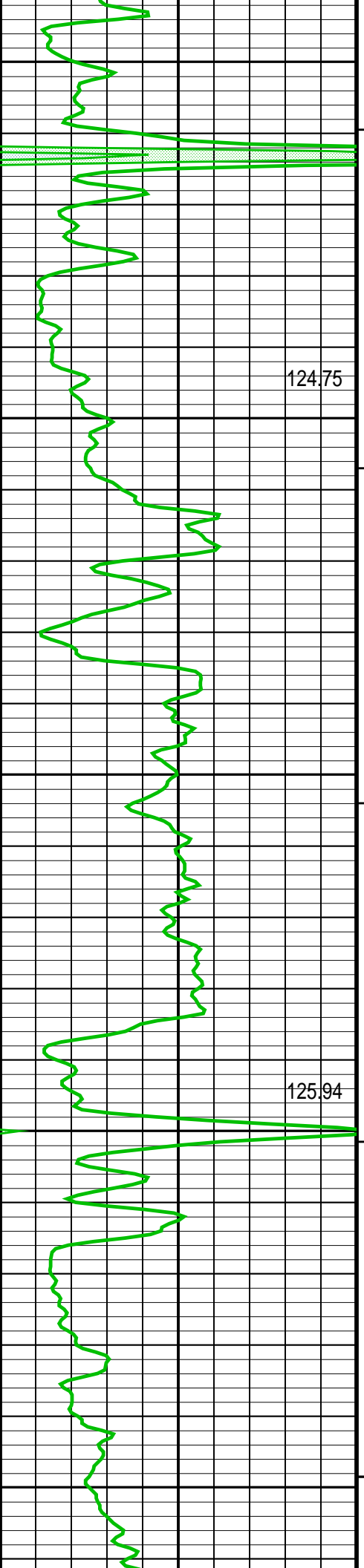






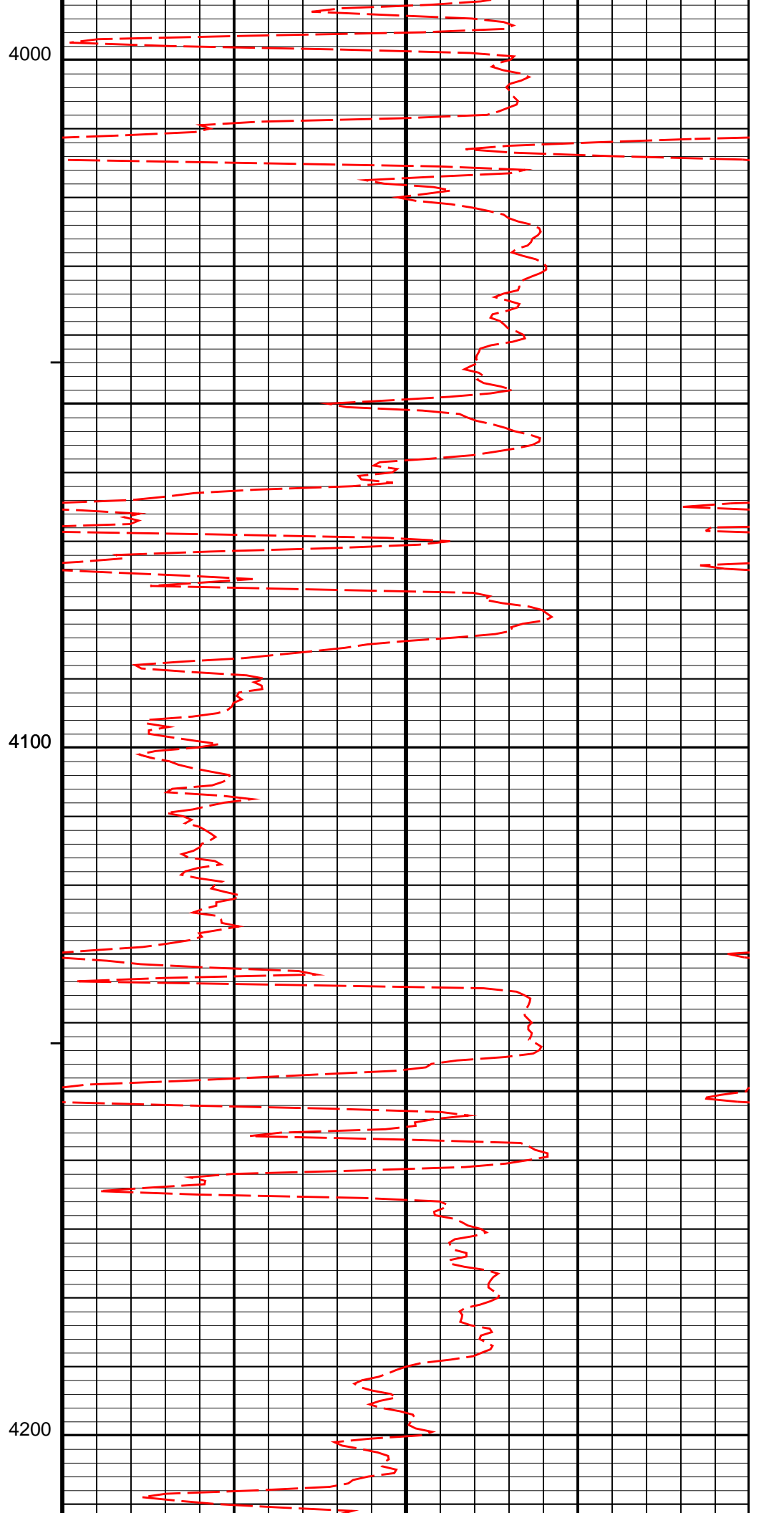






124,75

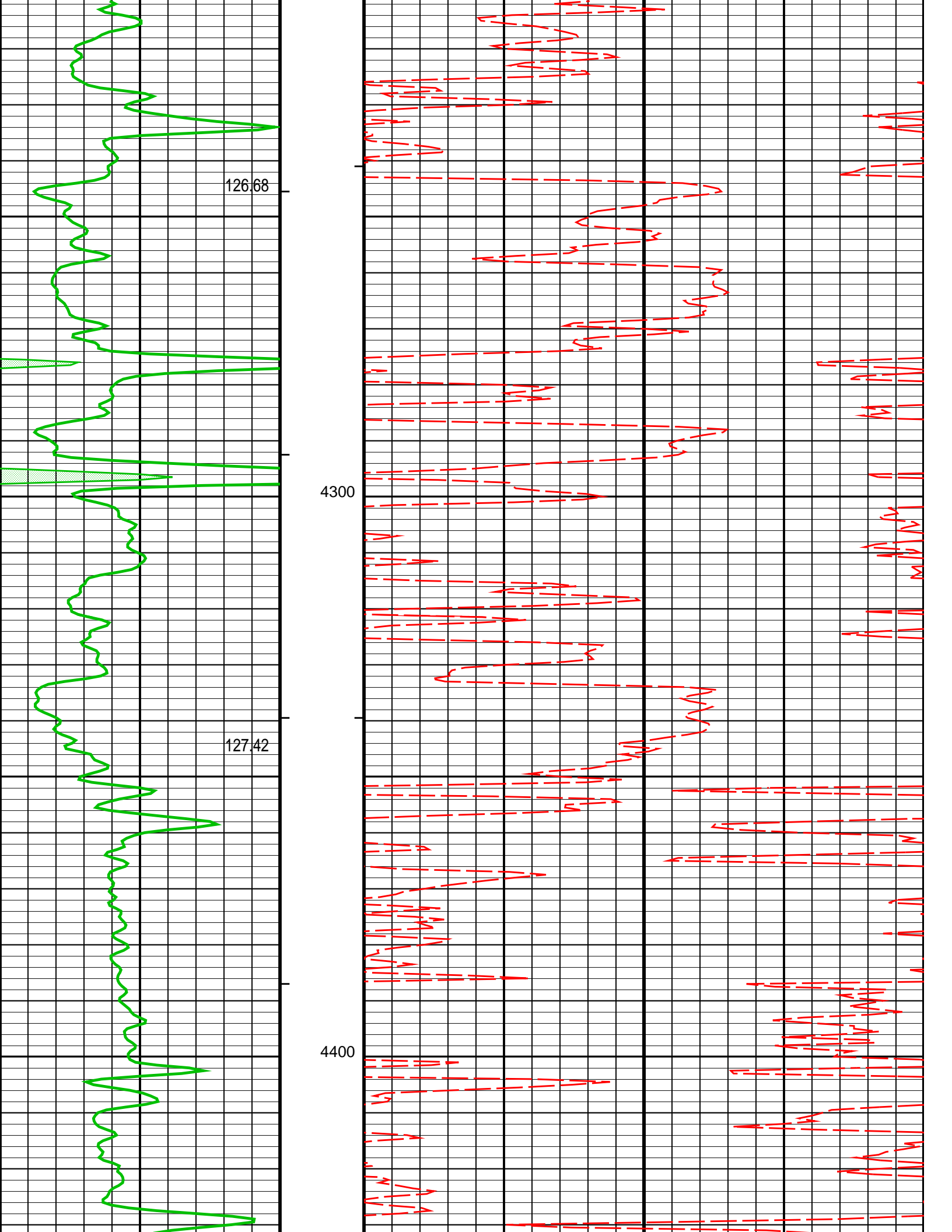
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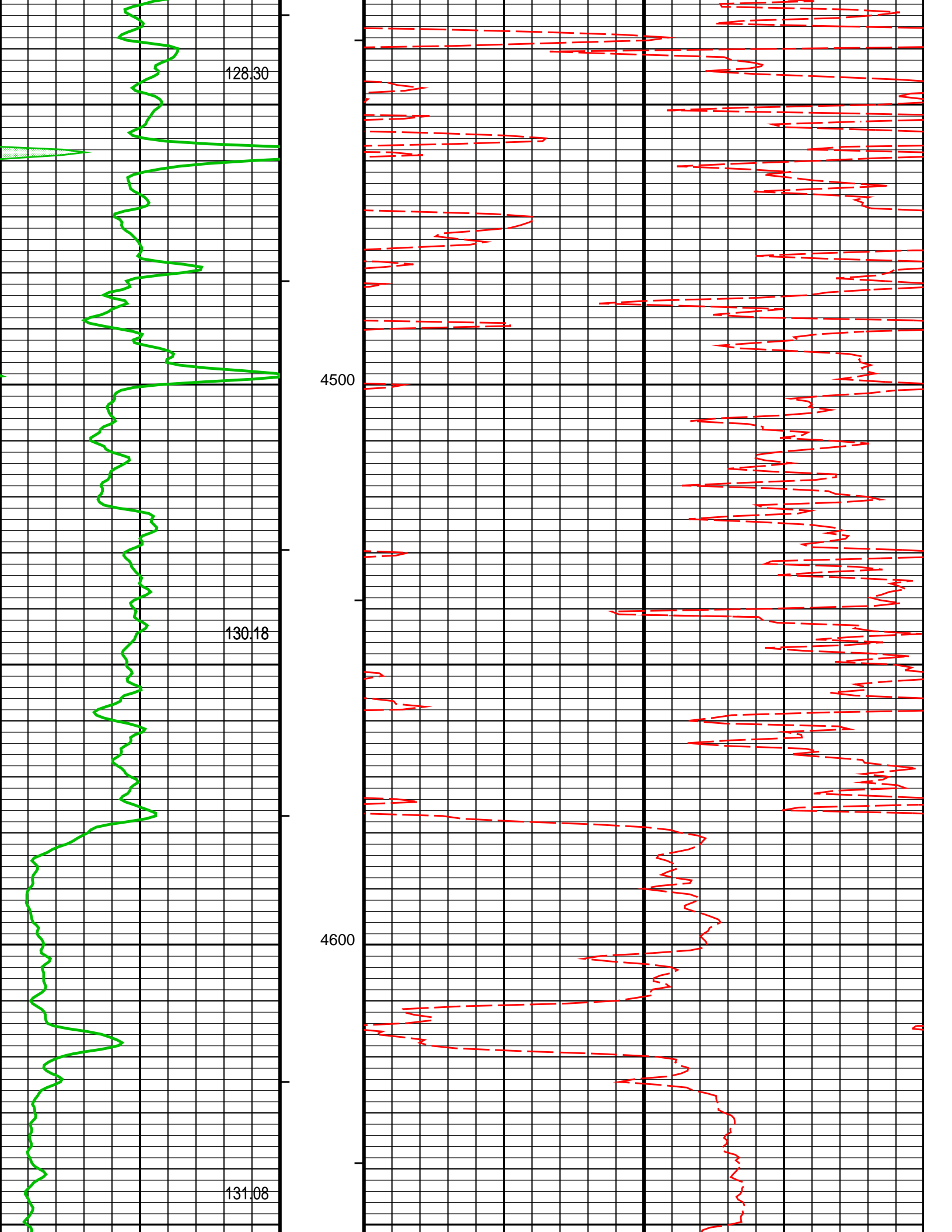


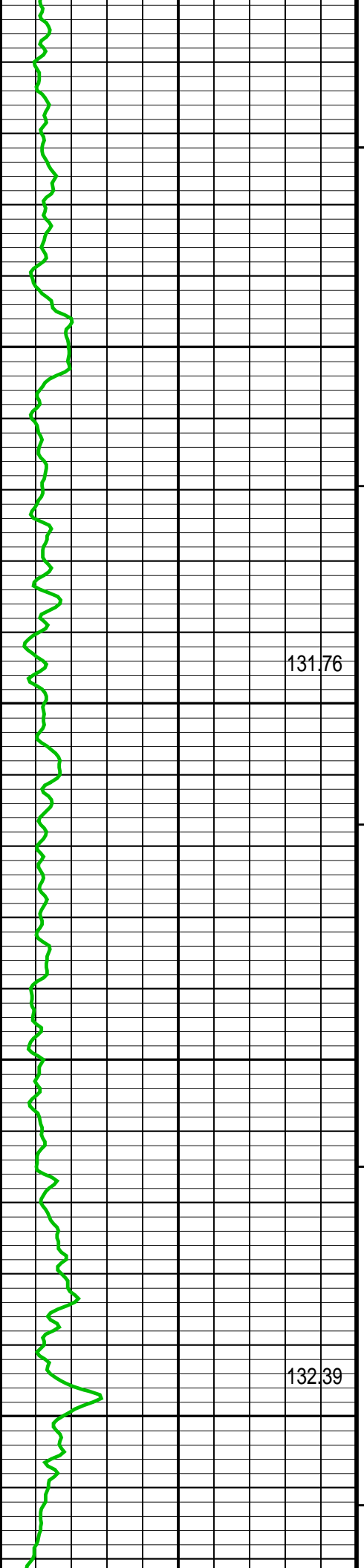
4000

4100

4200





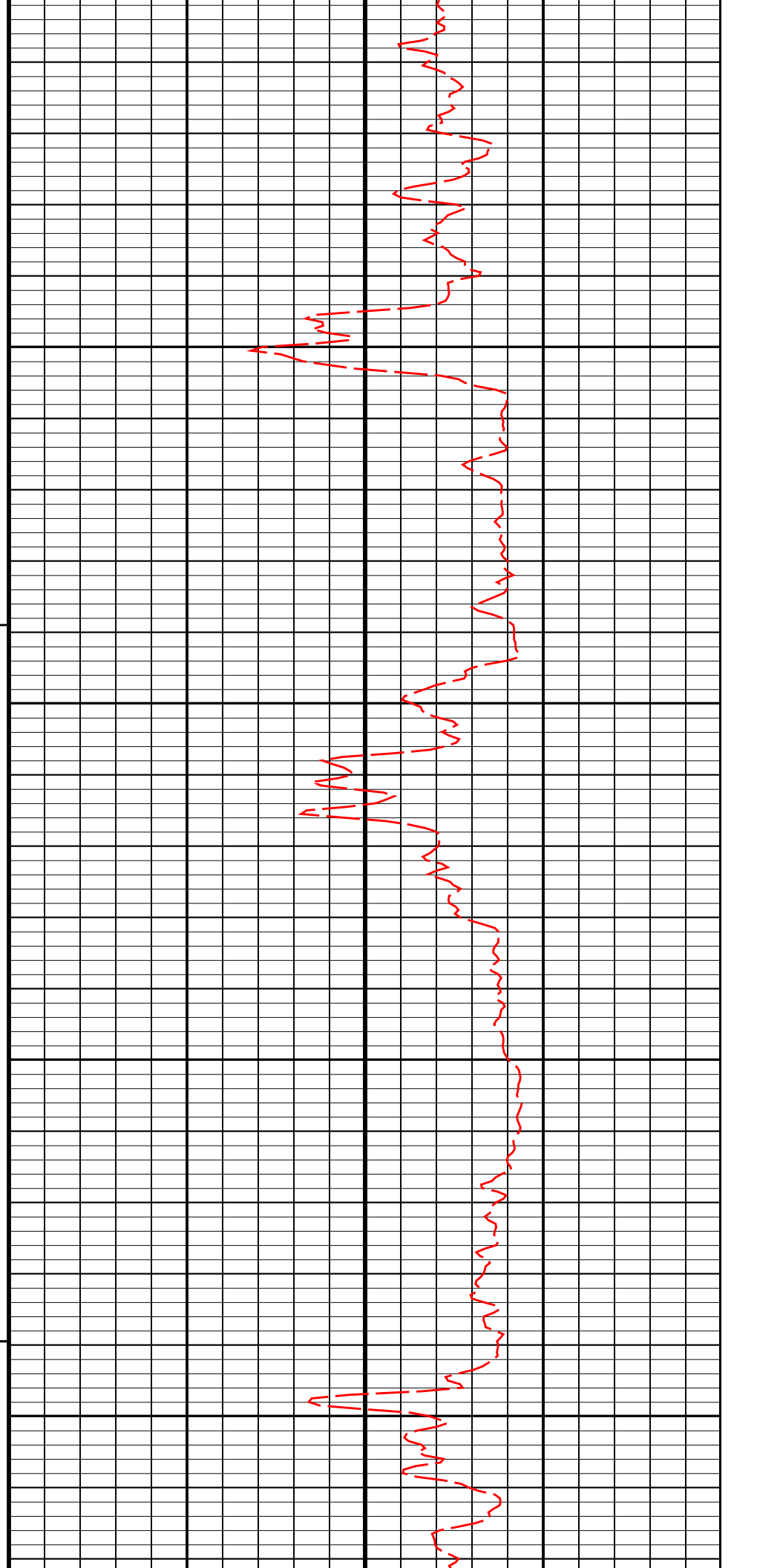


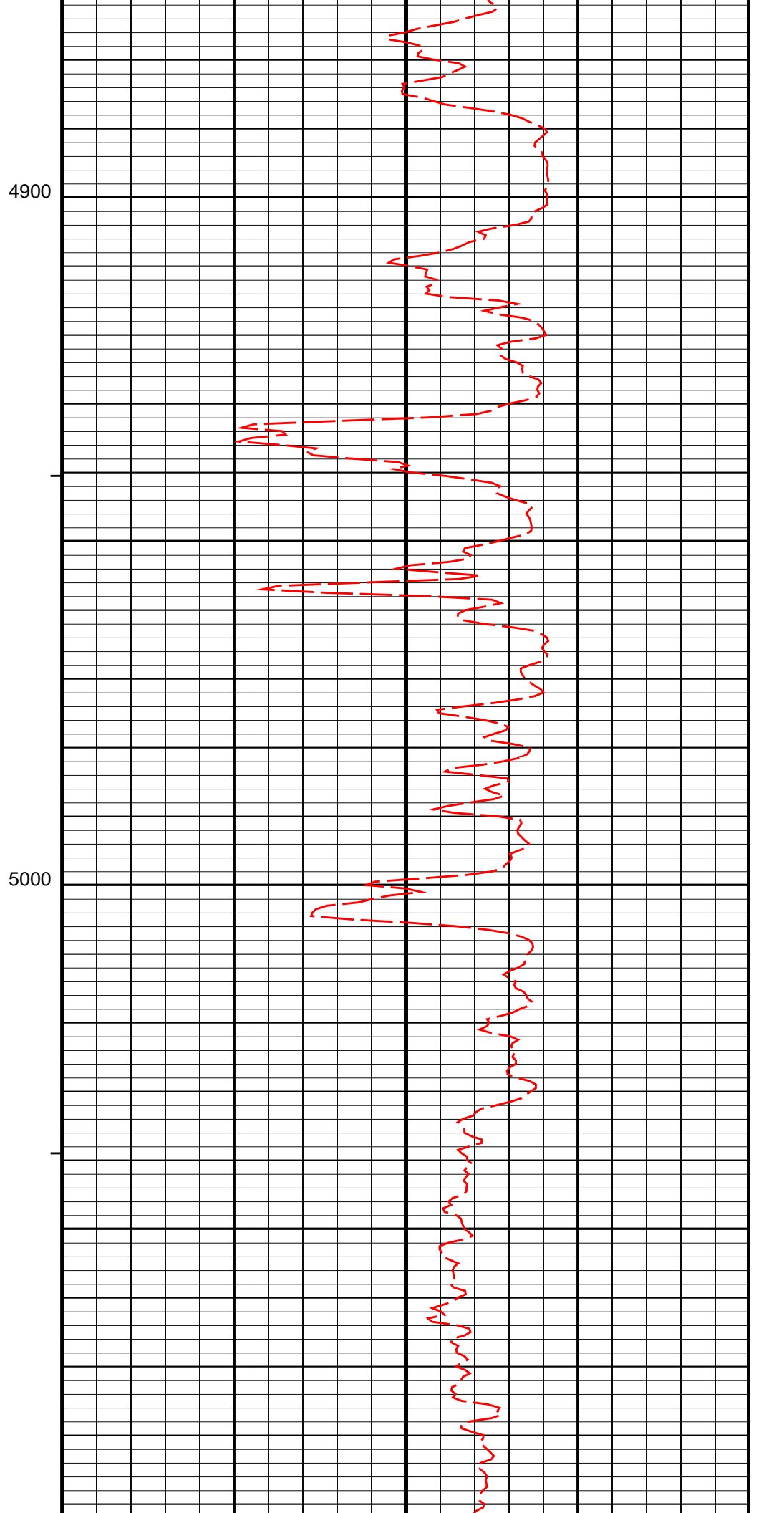
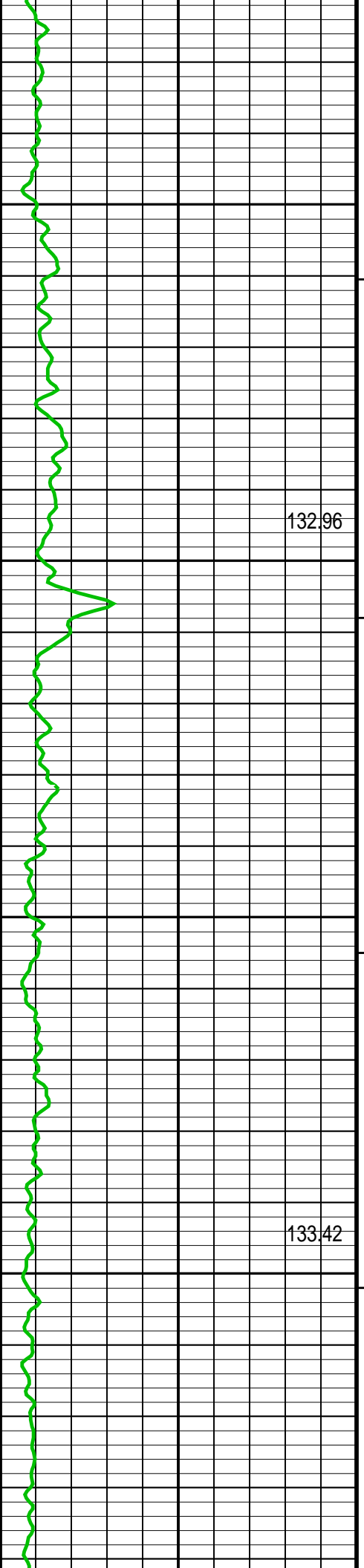
131.76

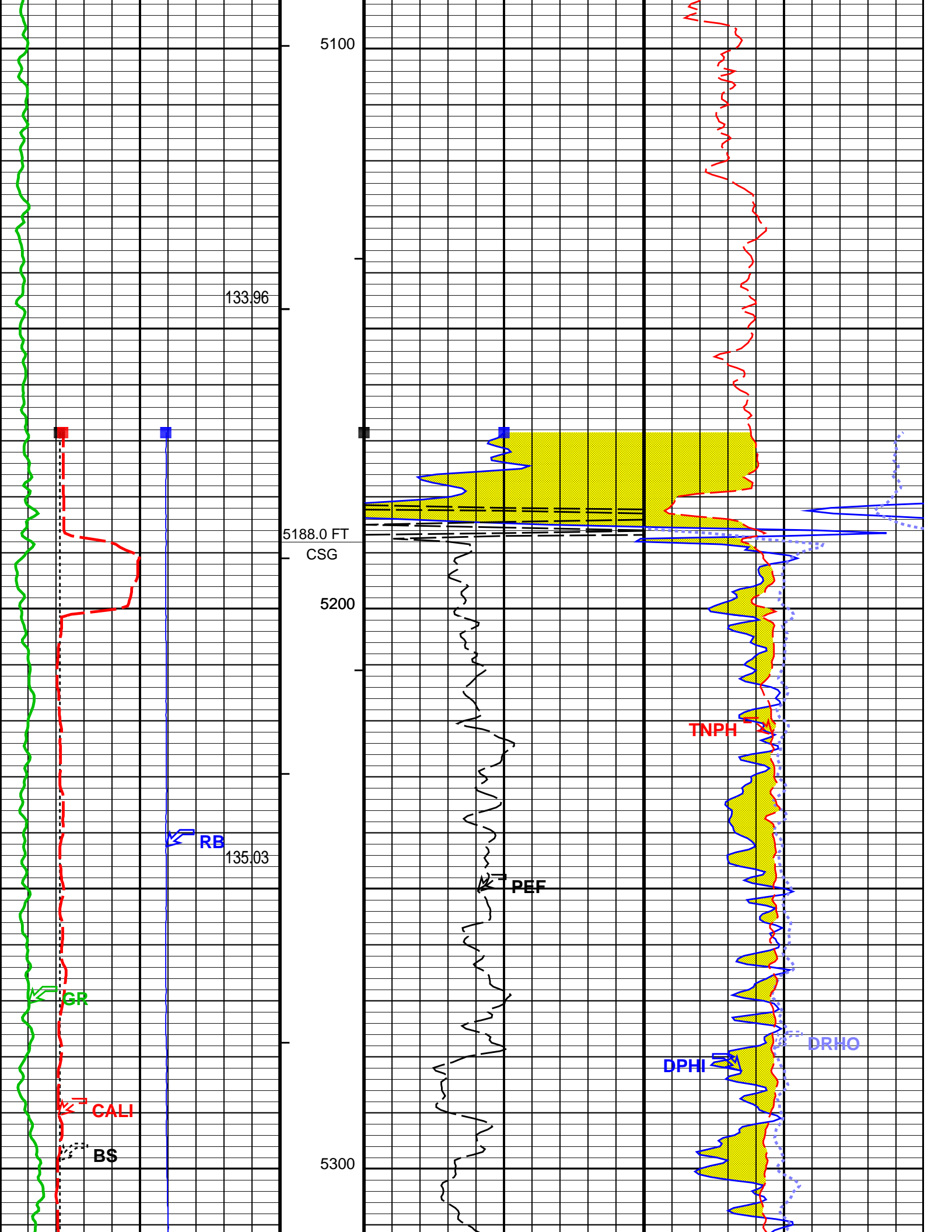
132.39

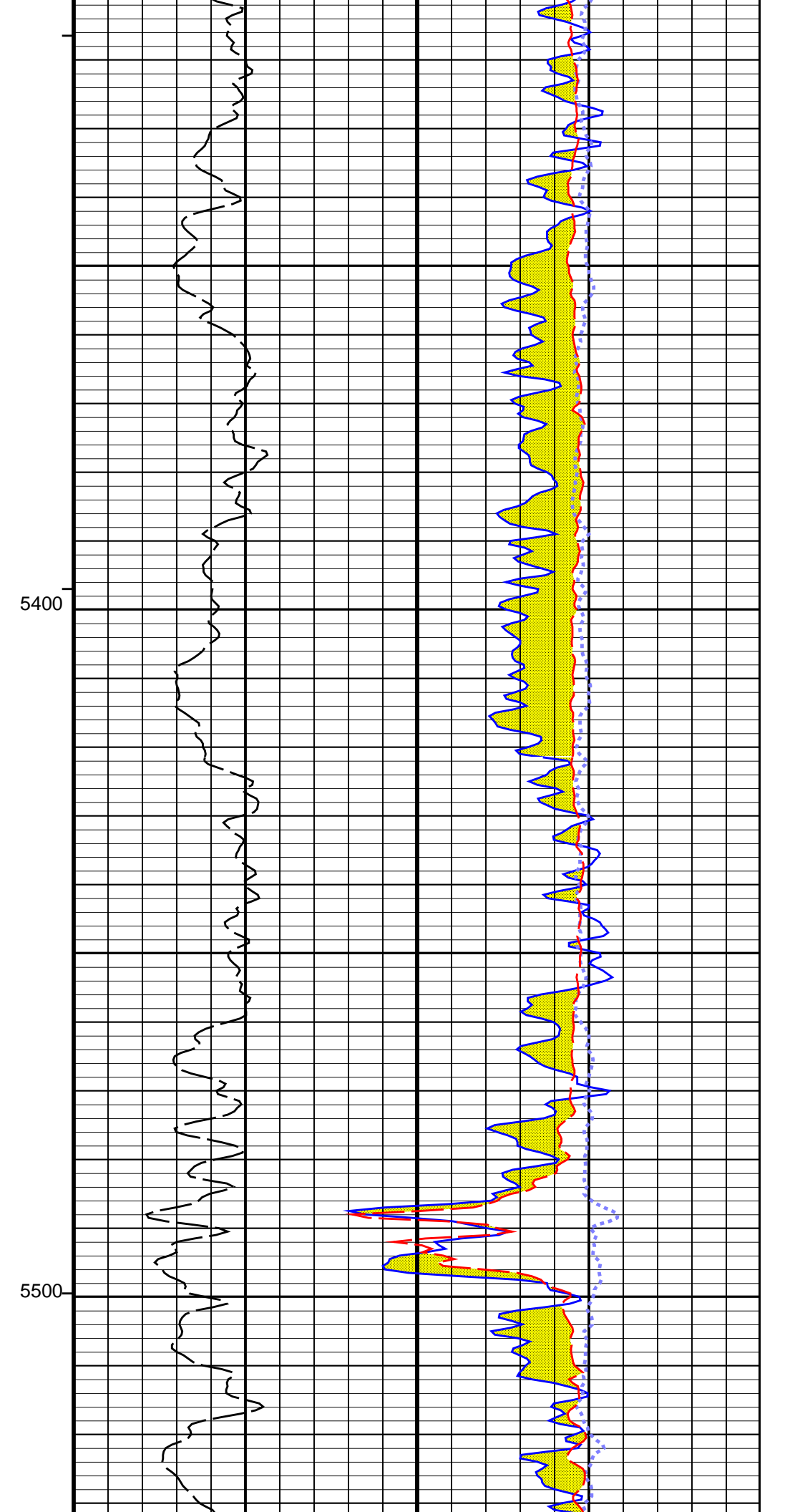
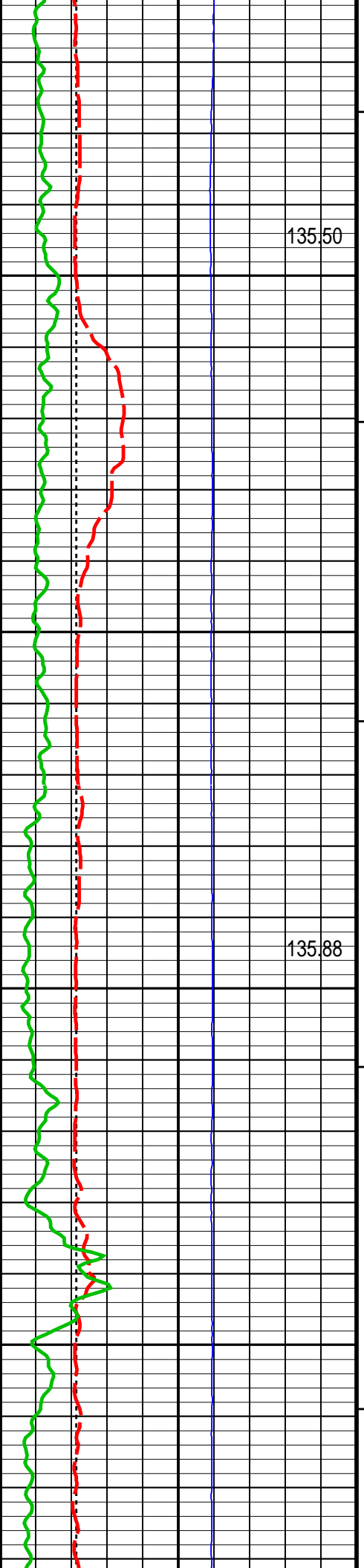
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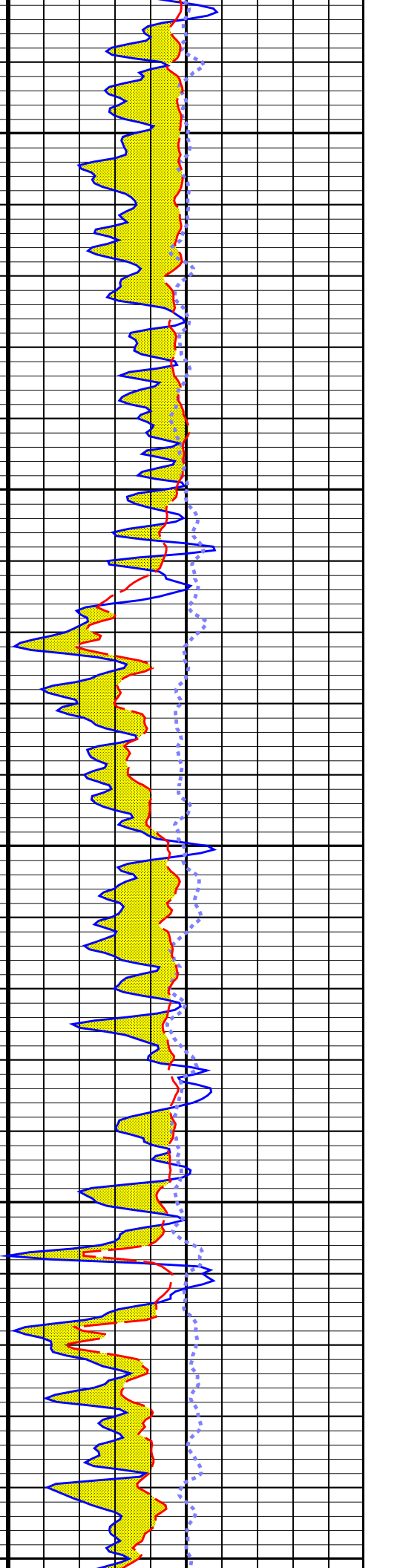
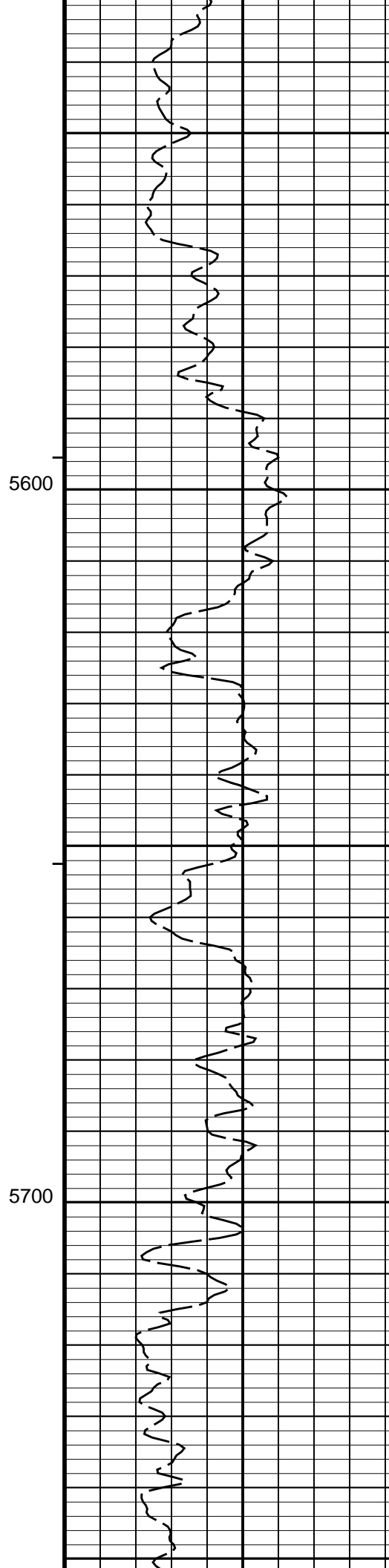
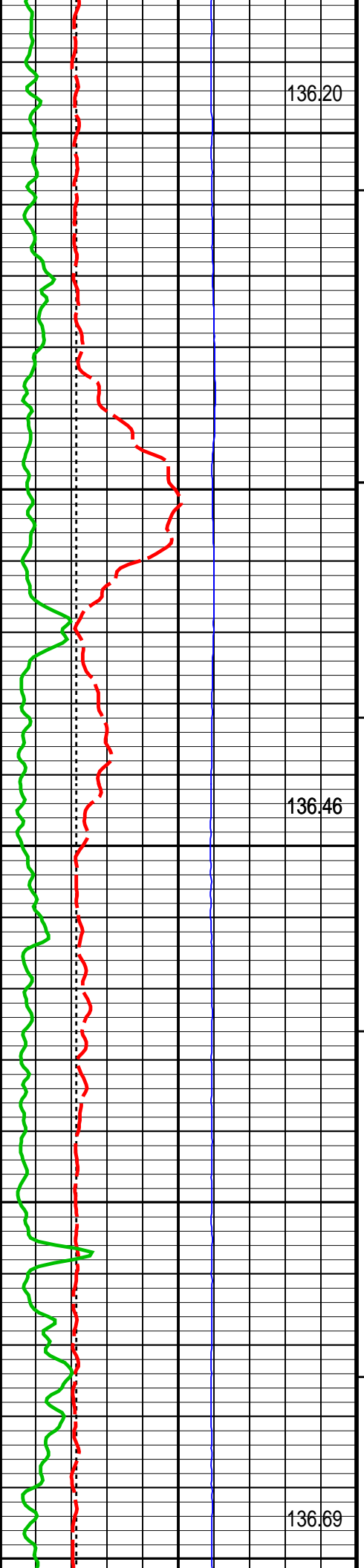
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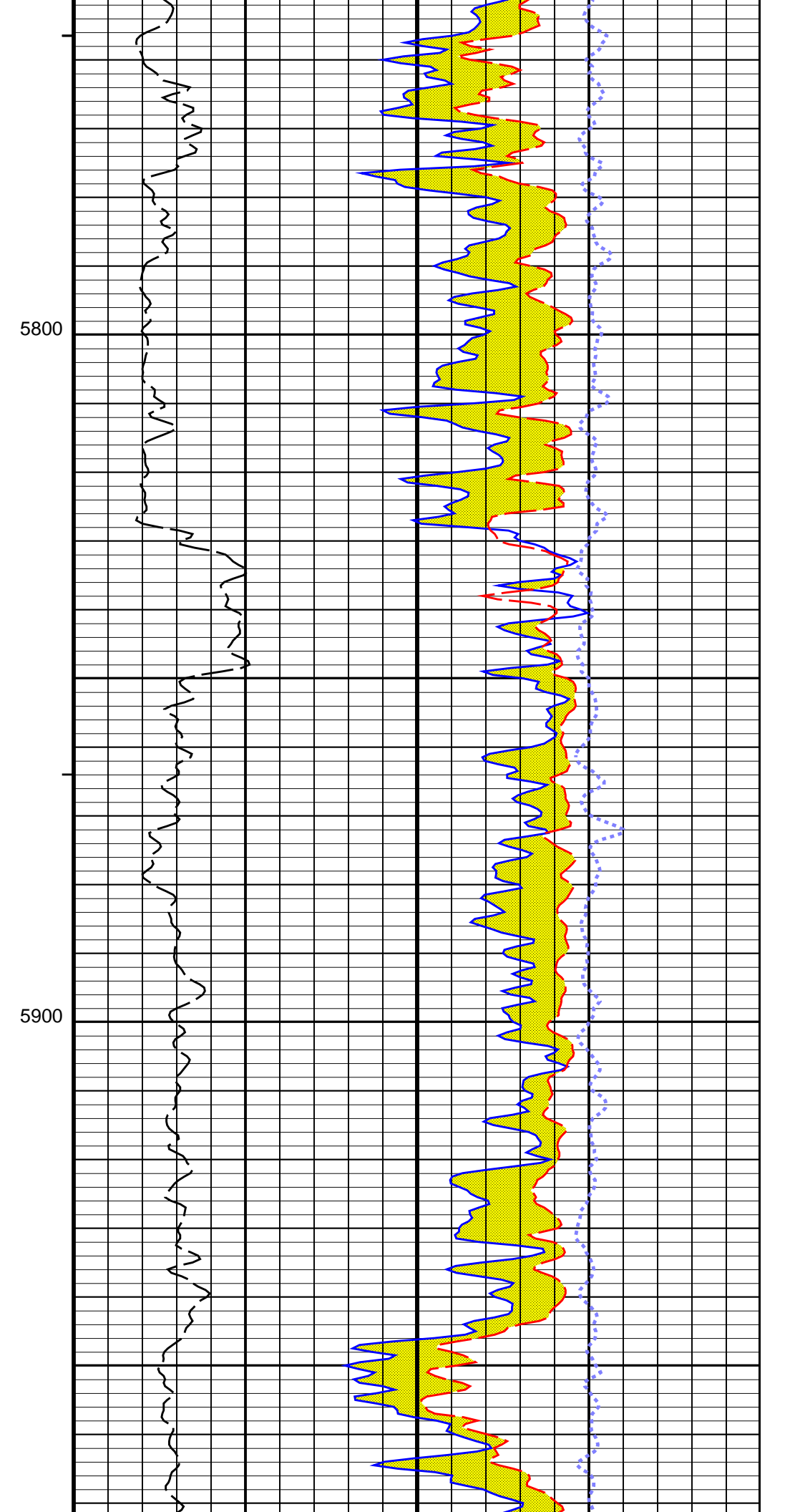
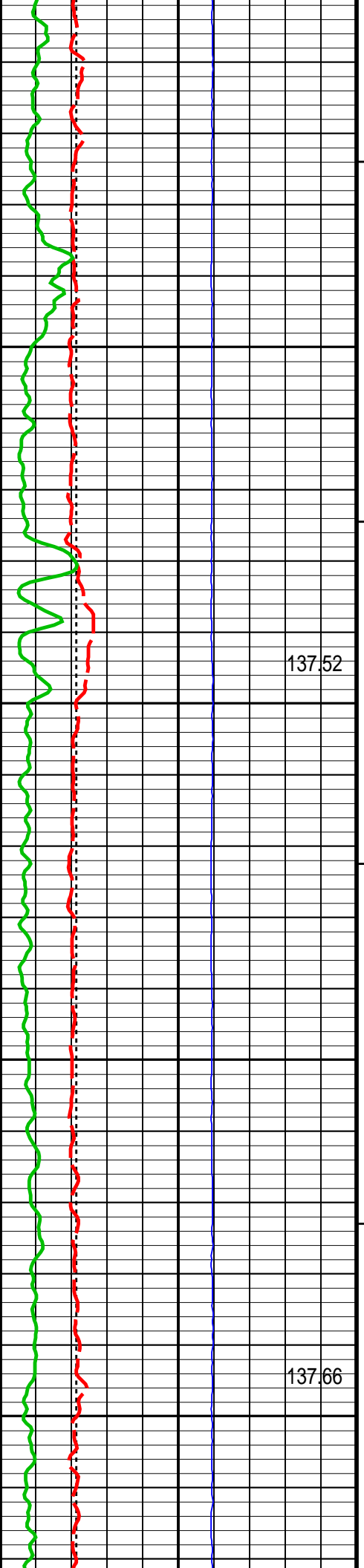


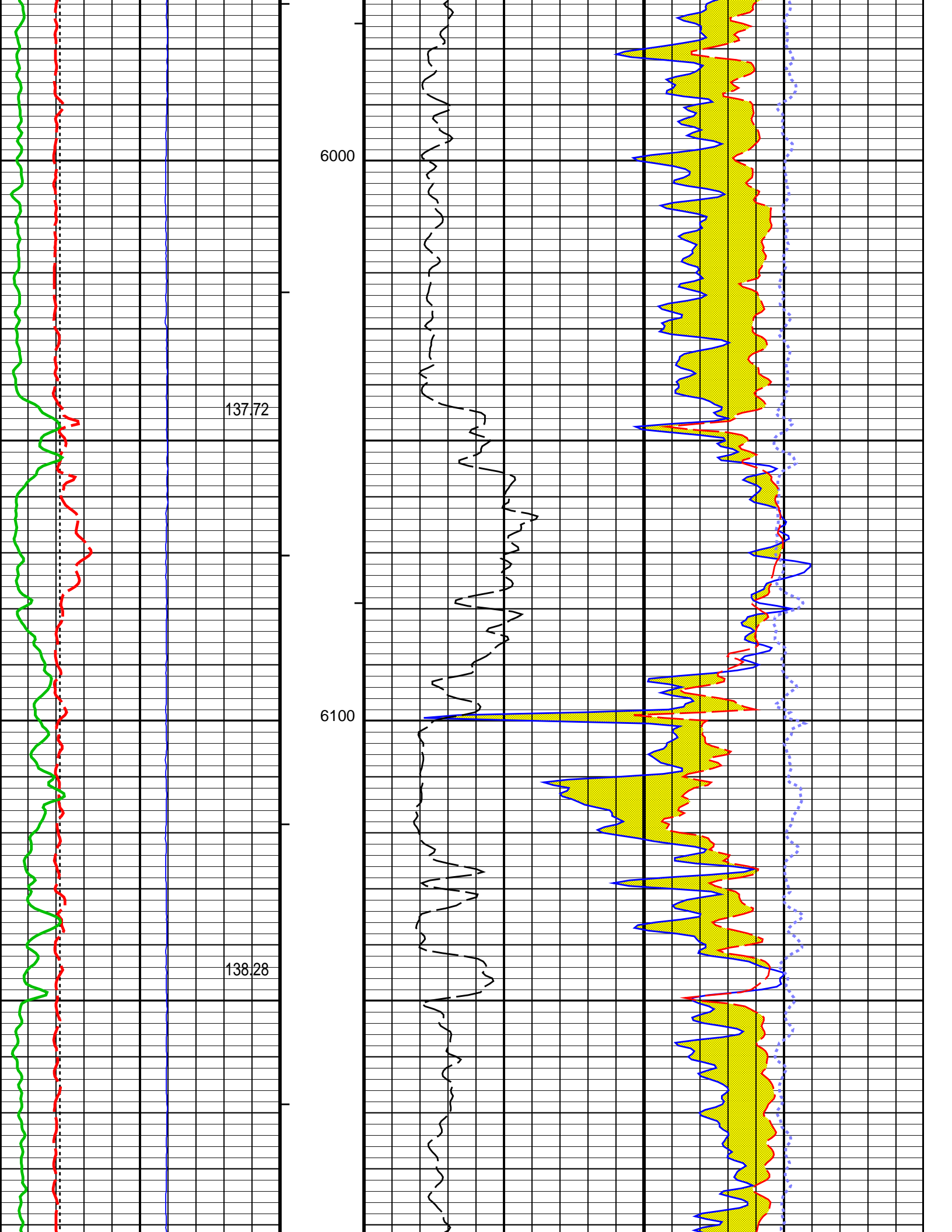


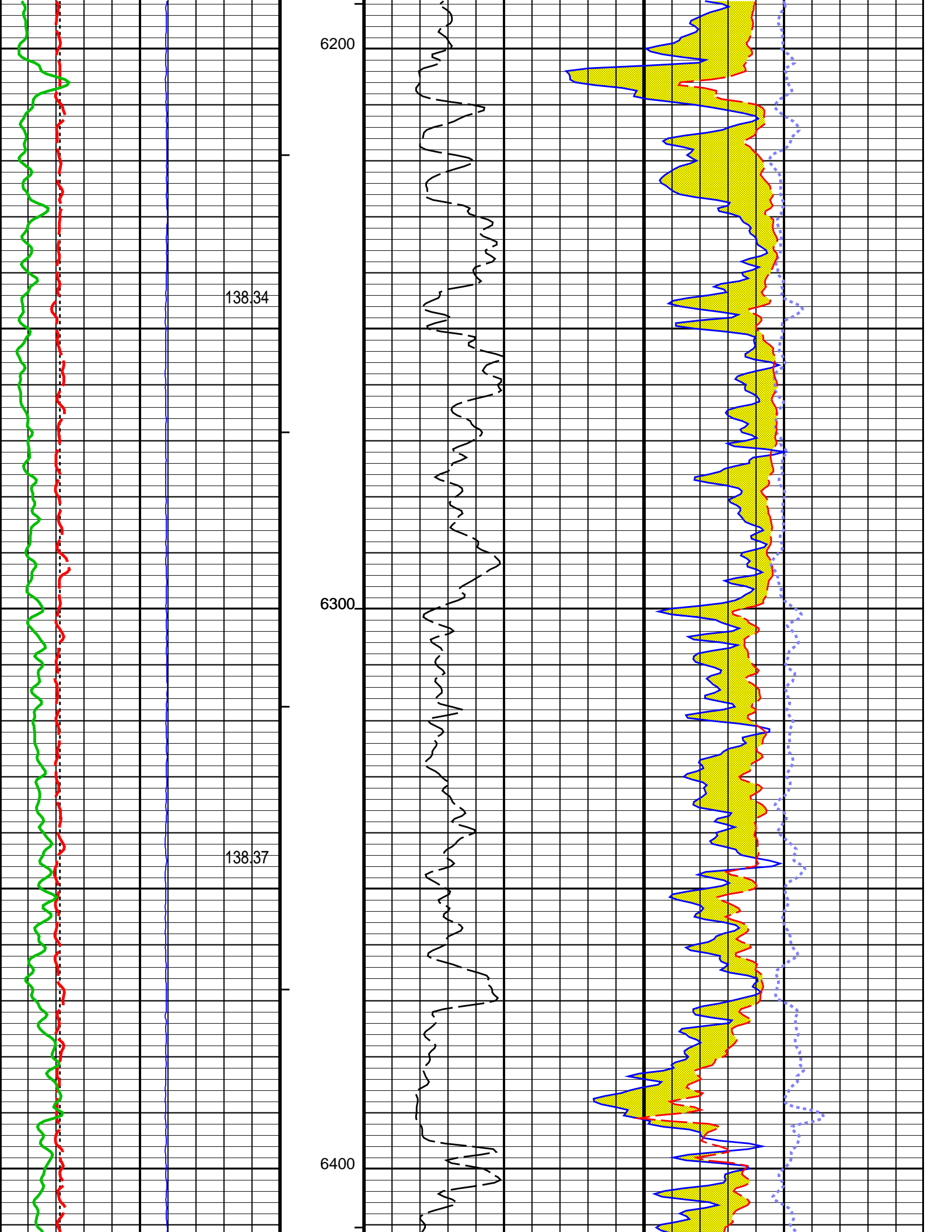


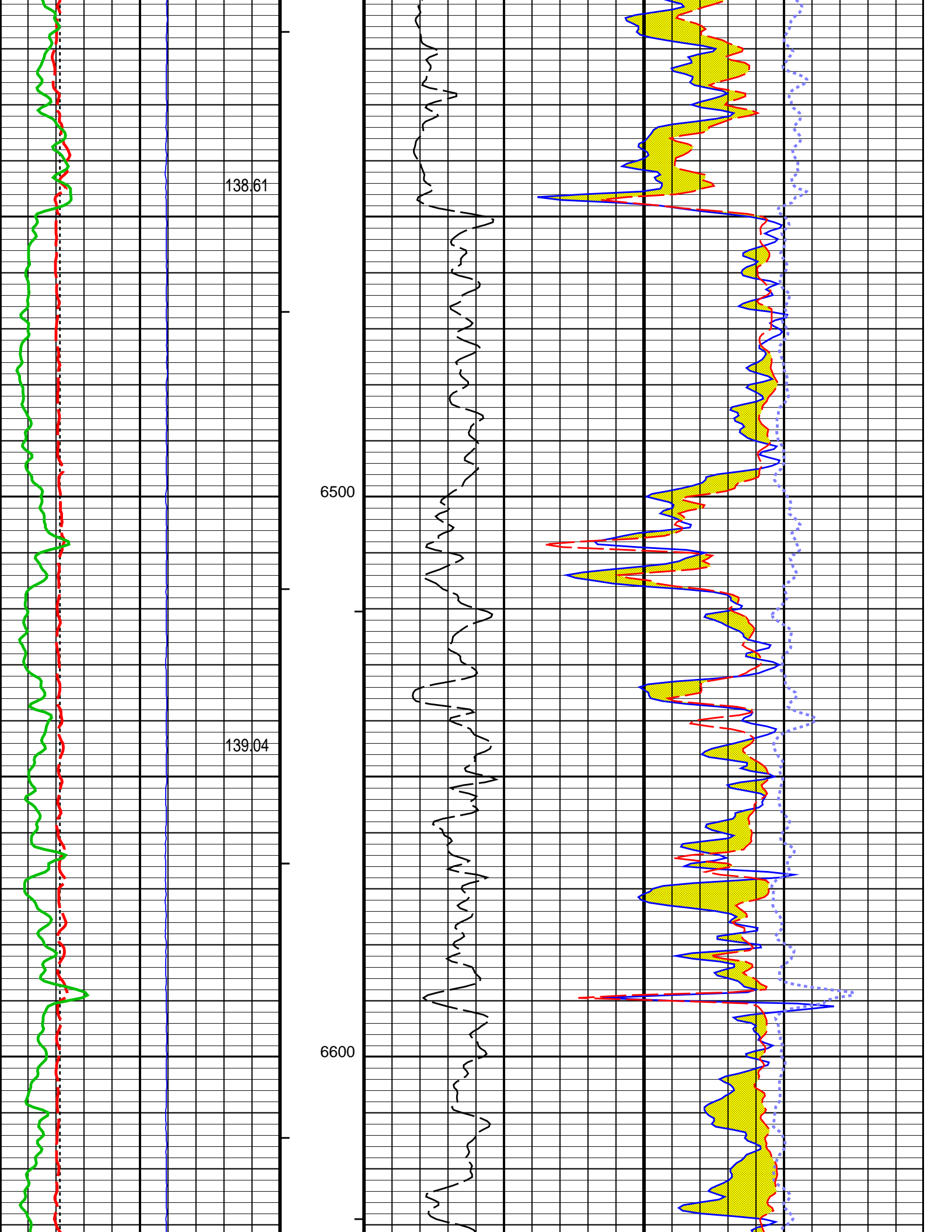


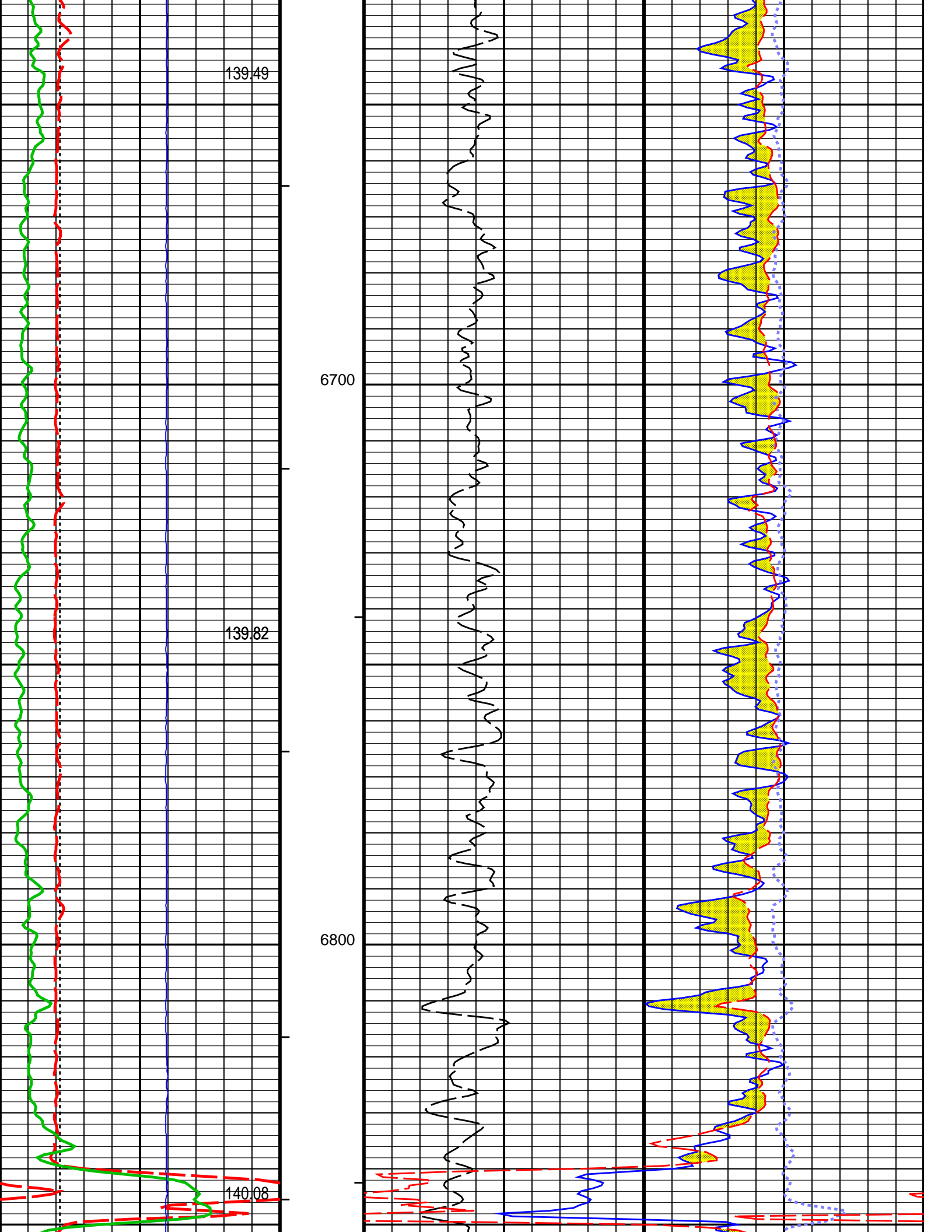


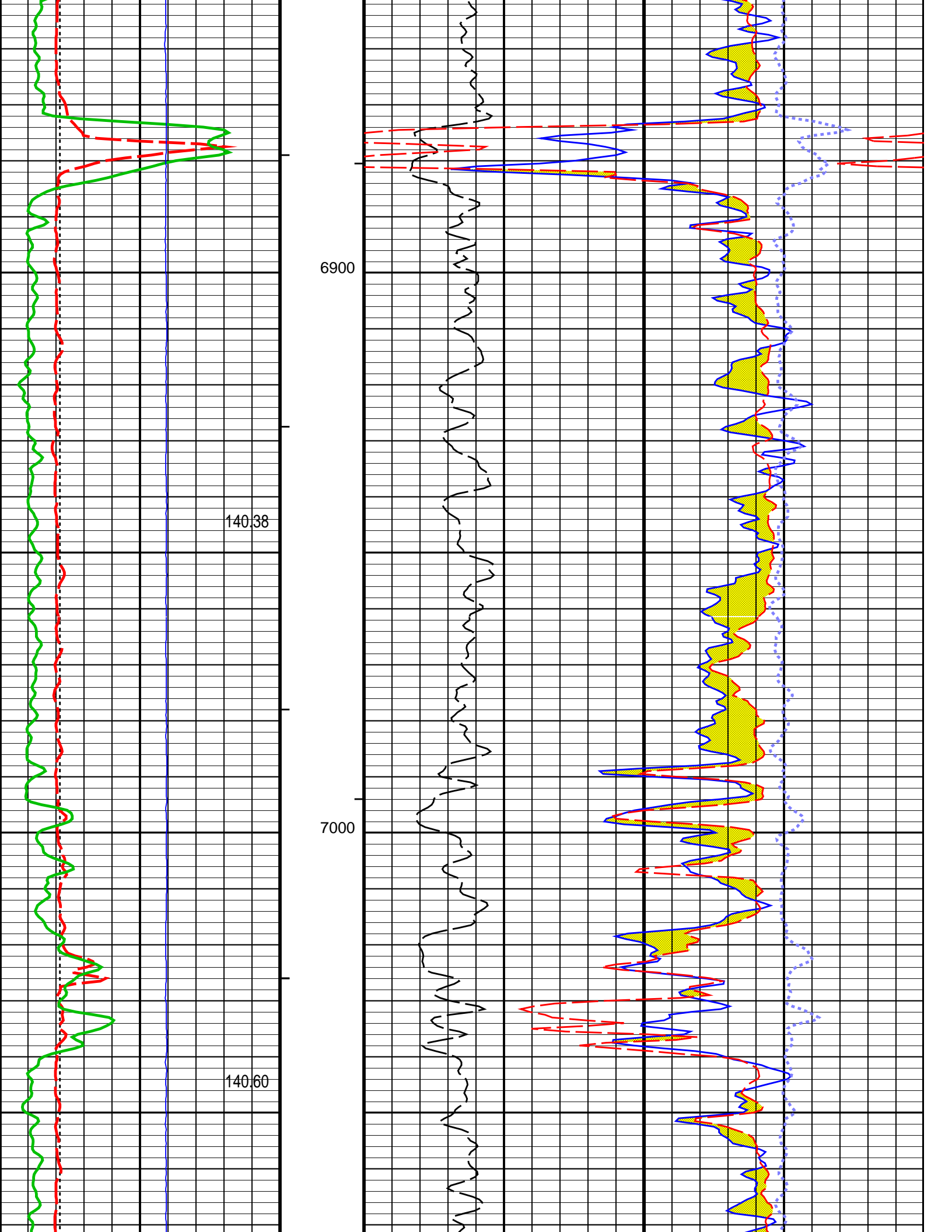


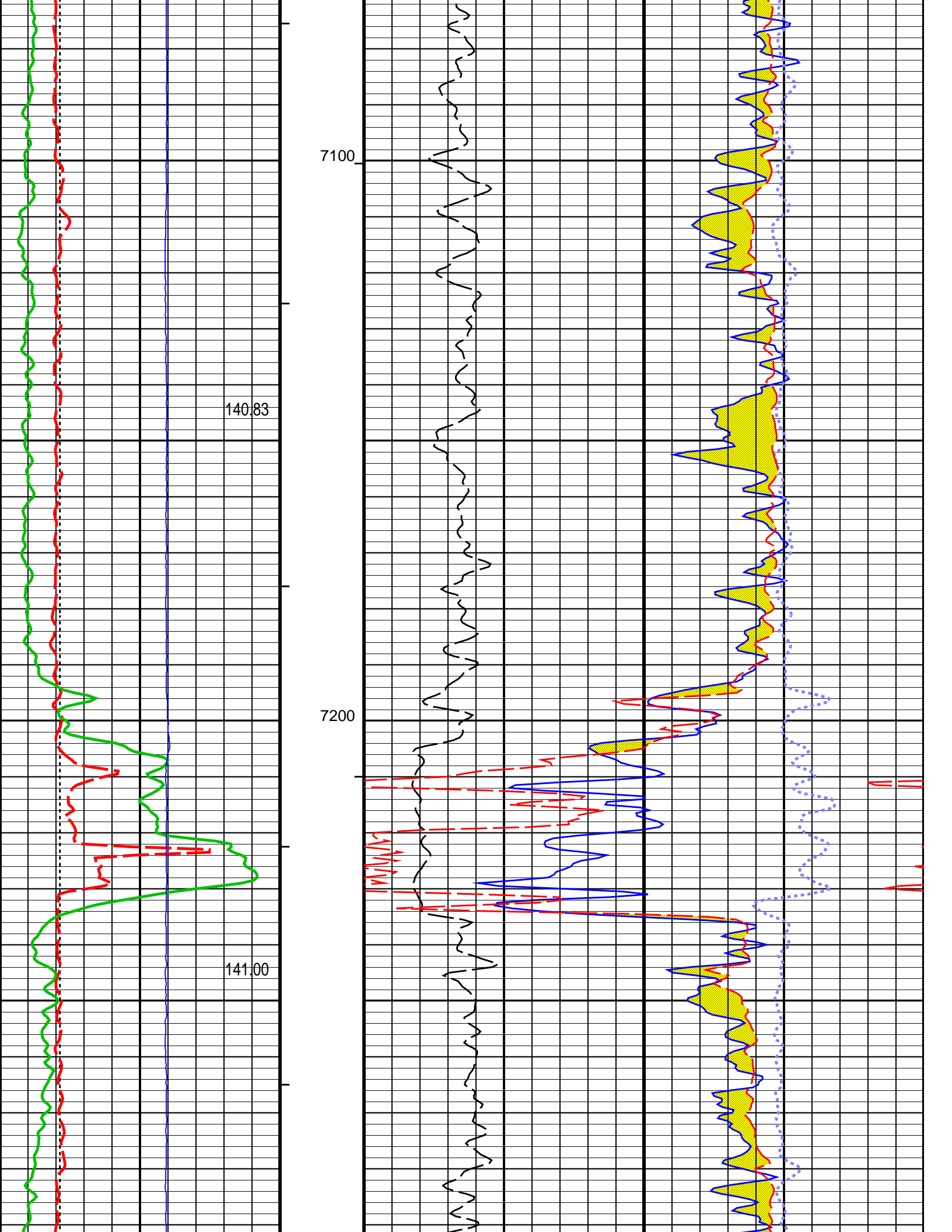


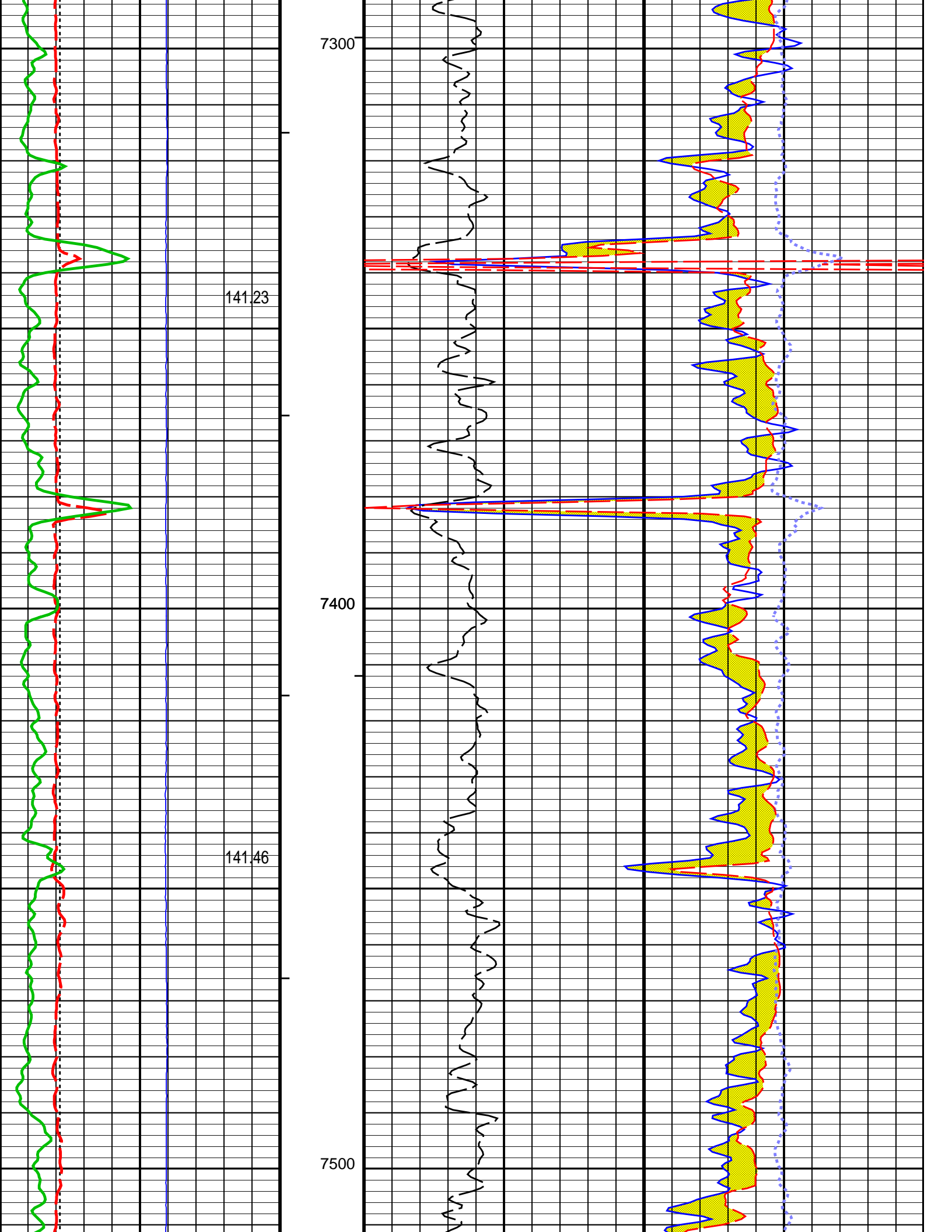


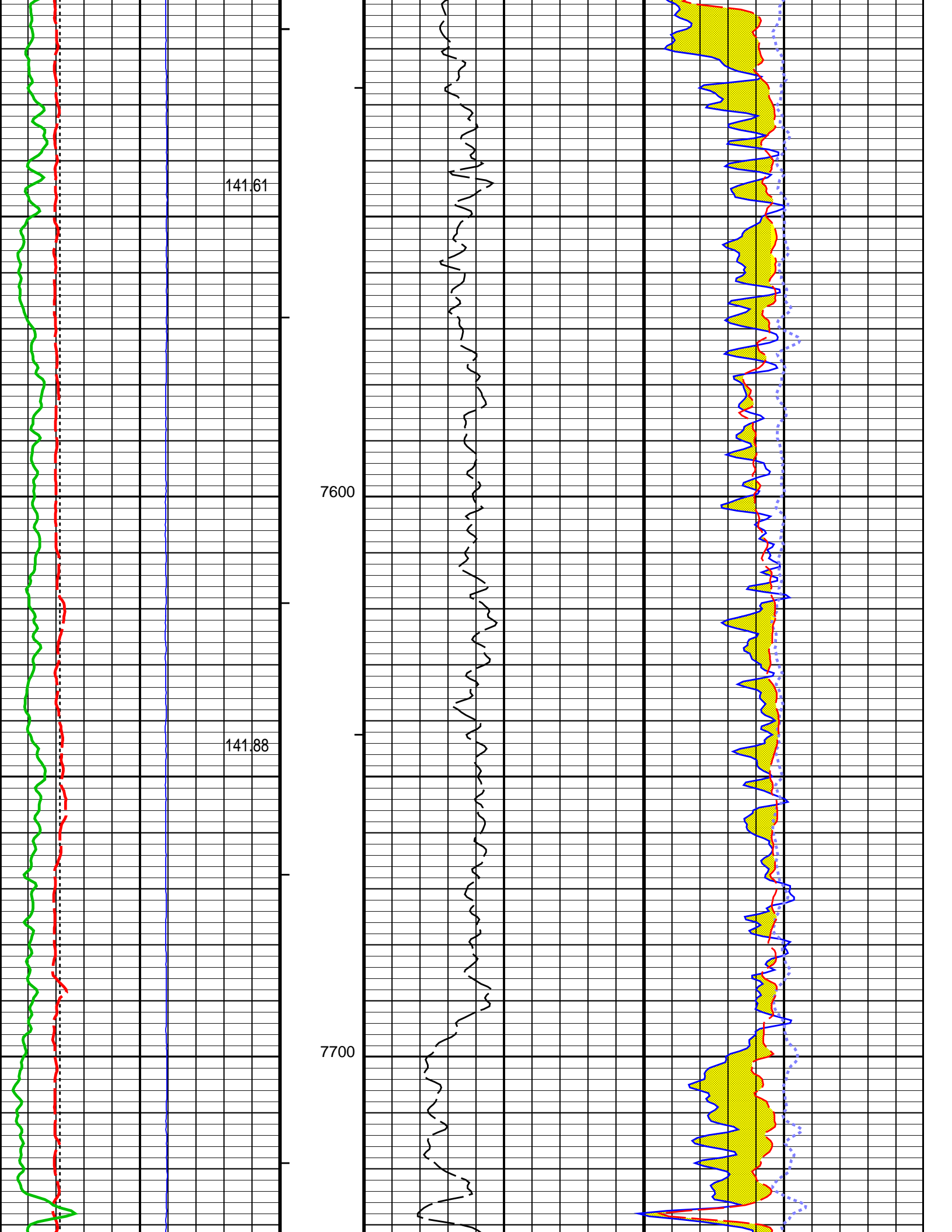


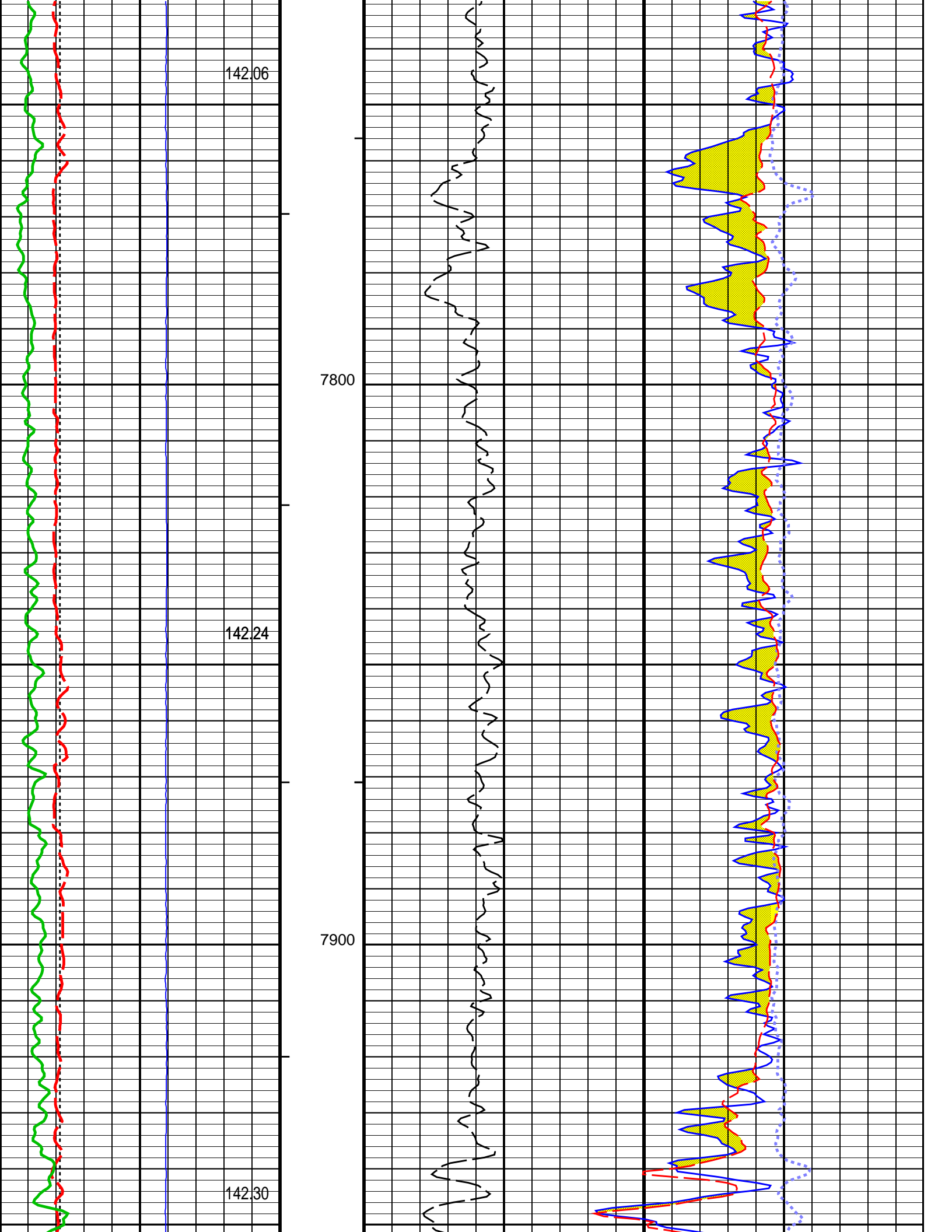


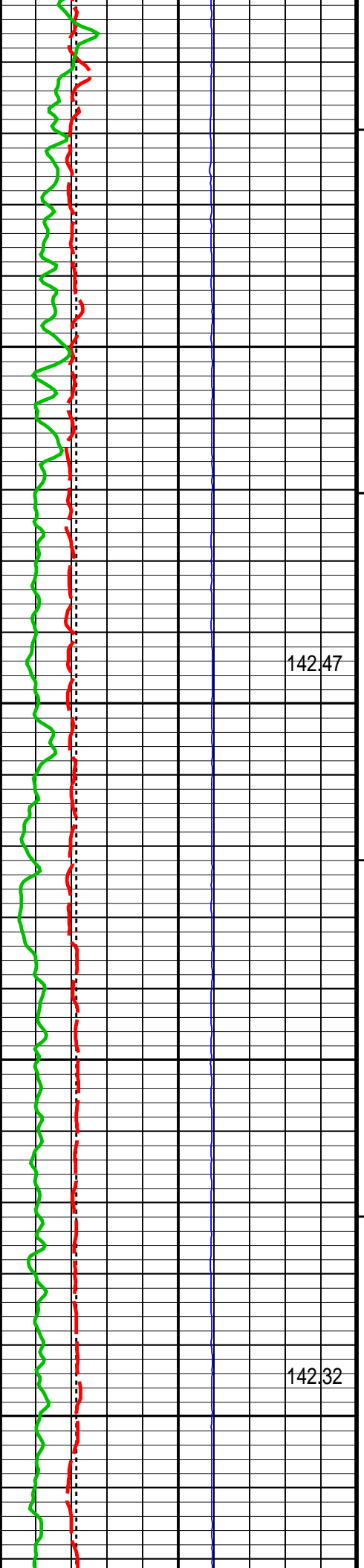






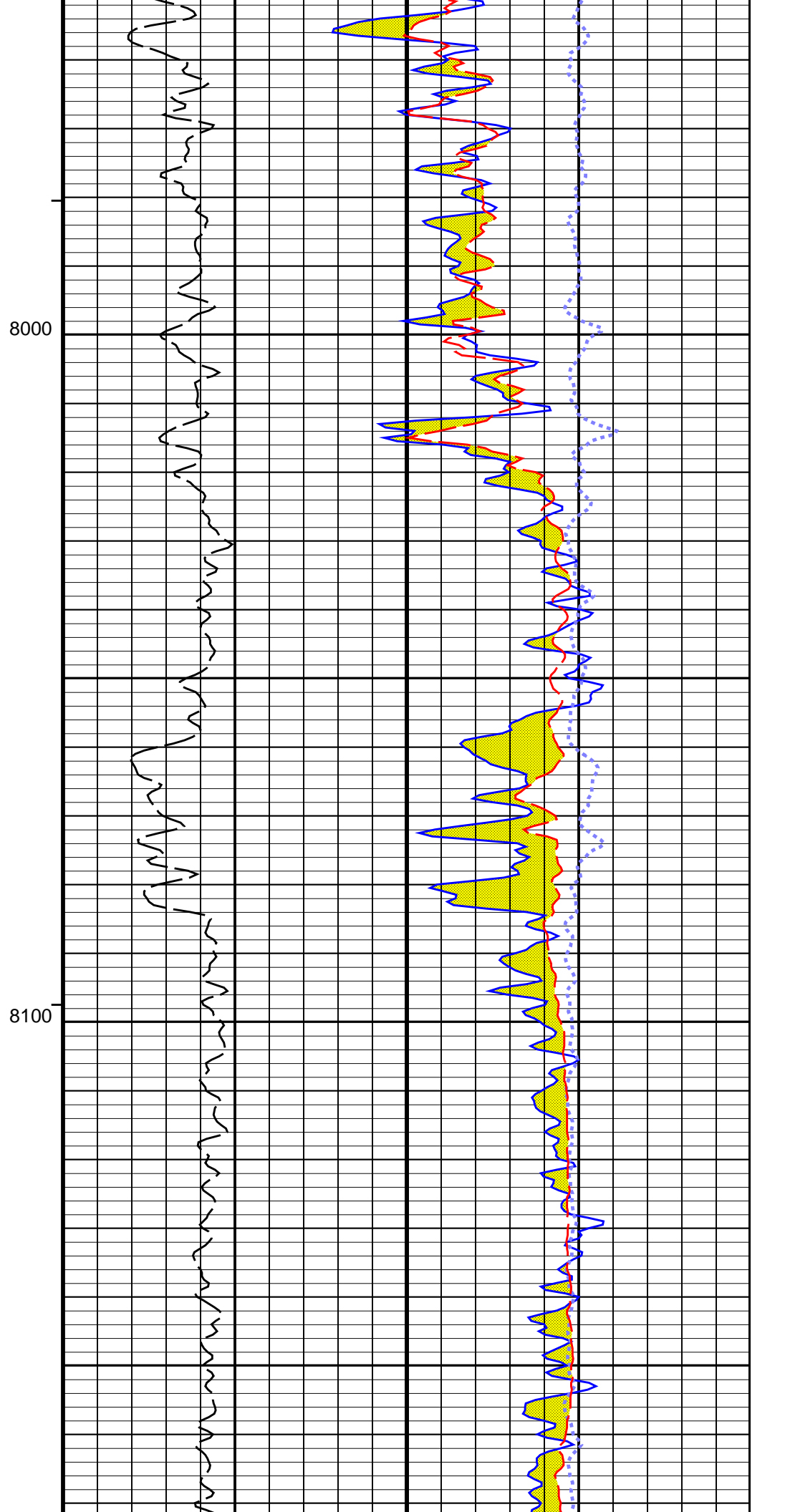






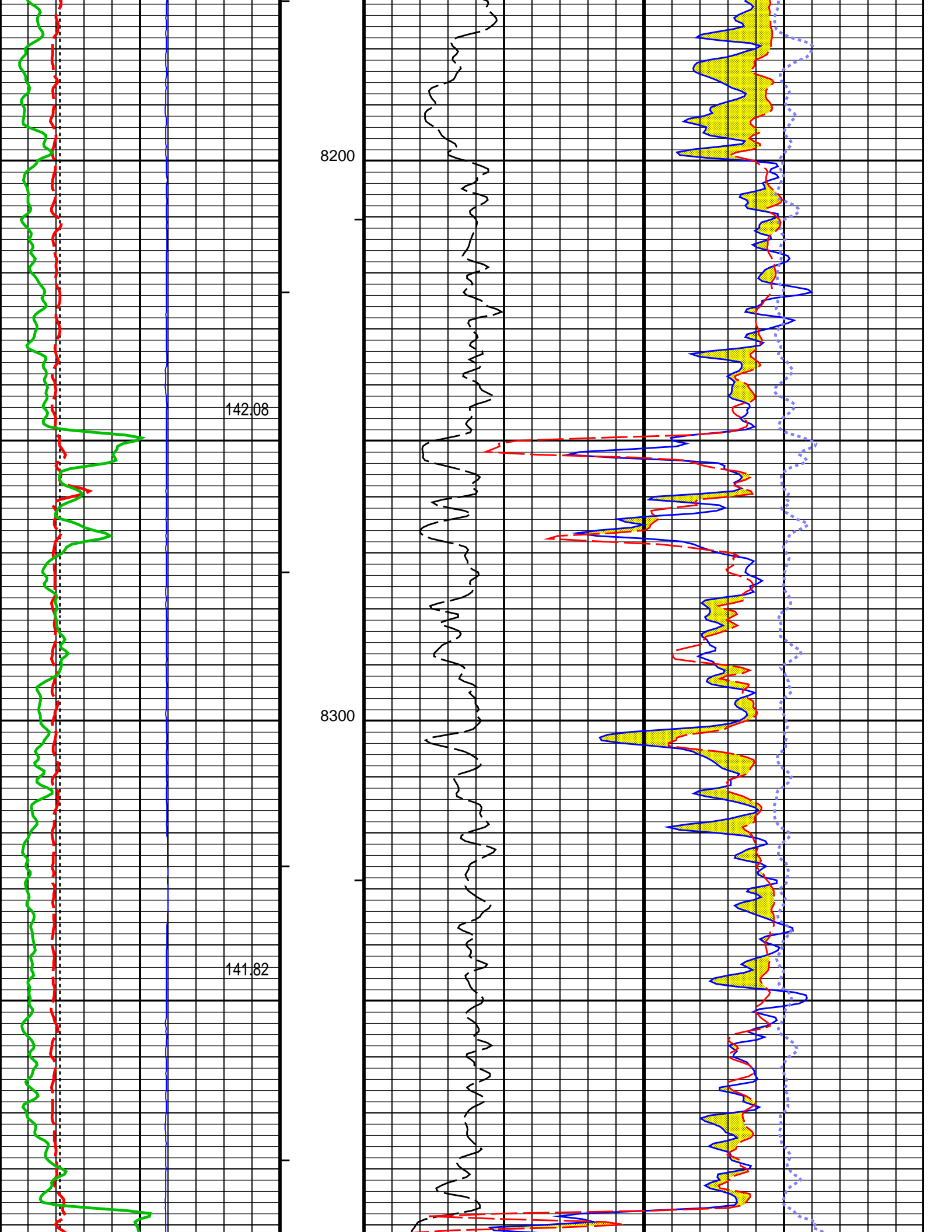
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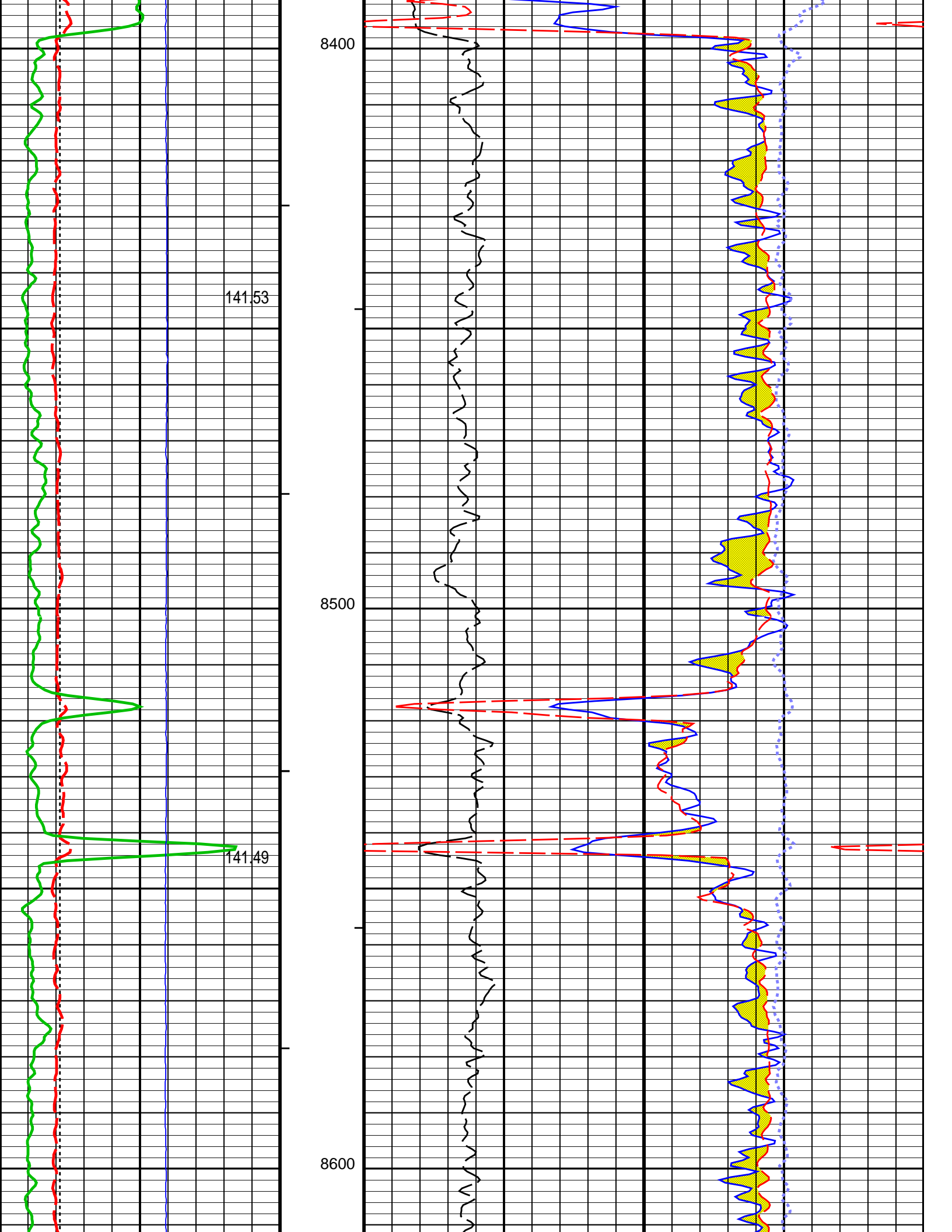
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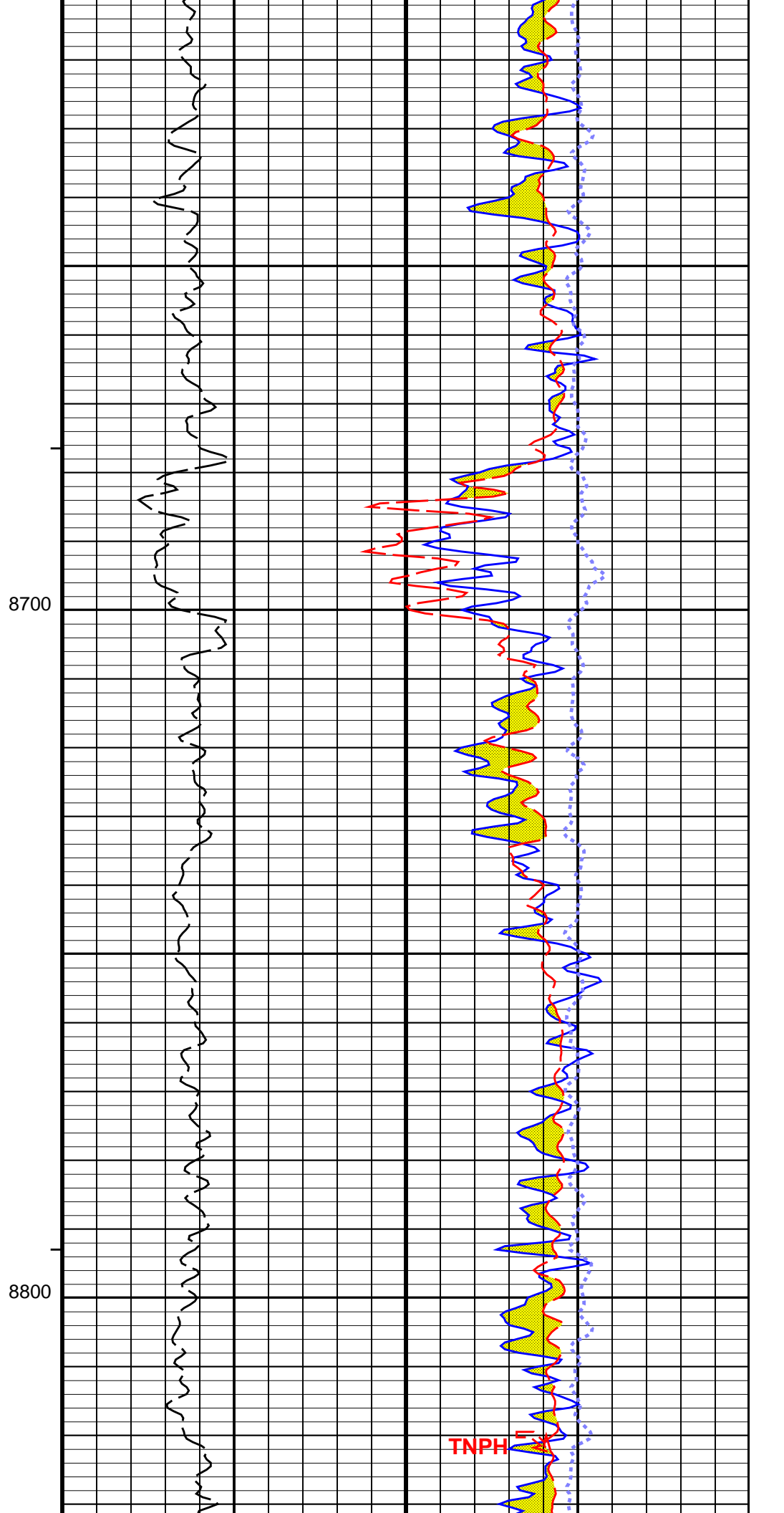
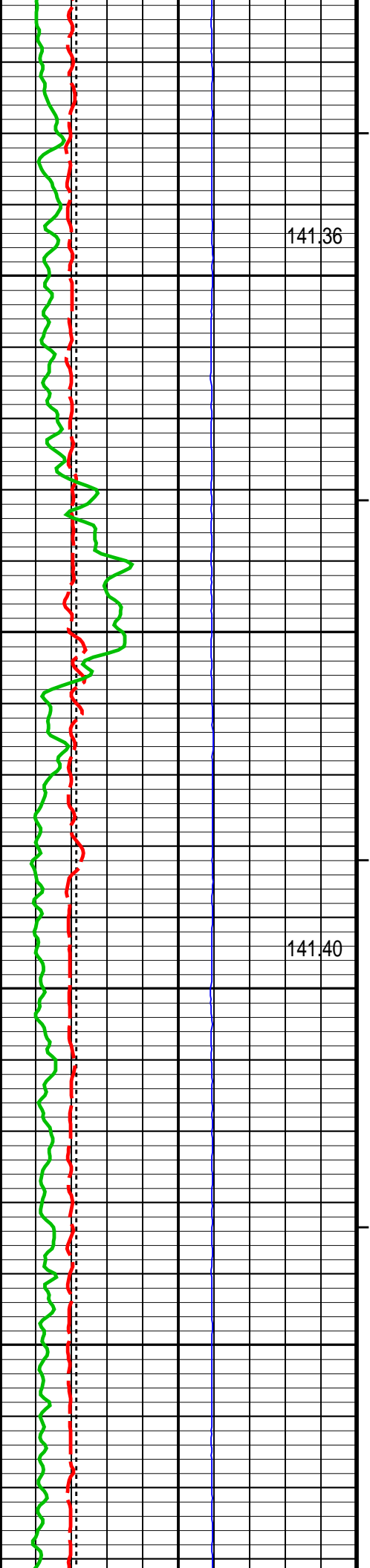


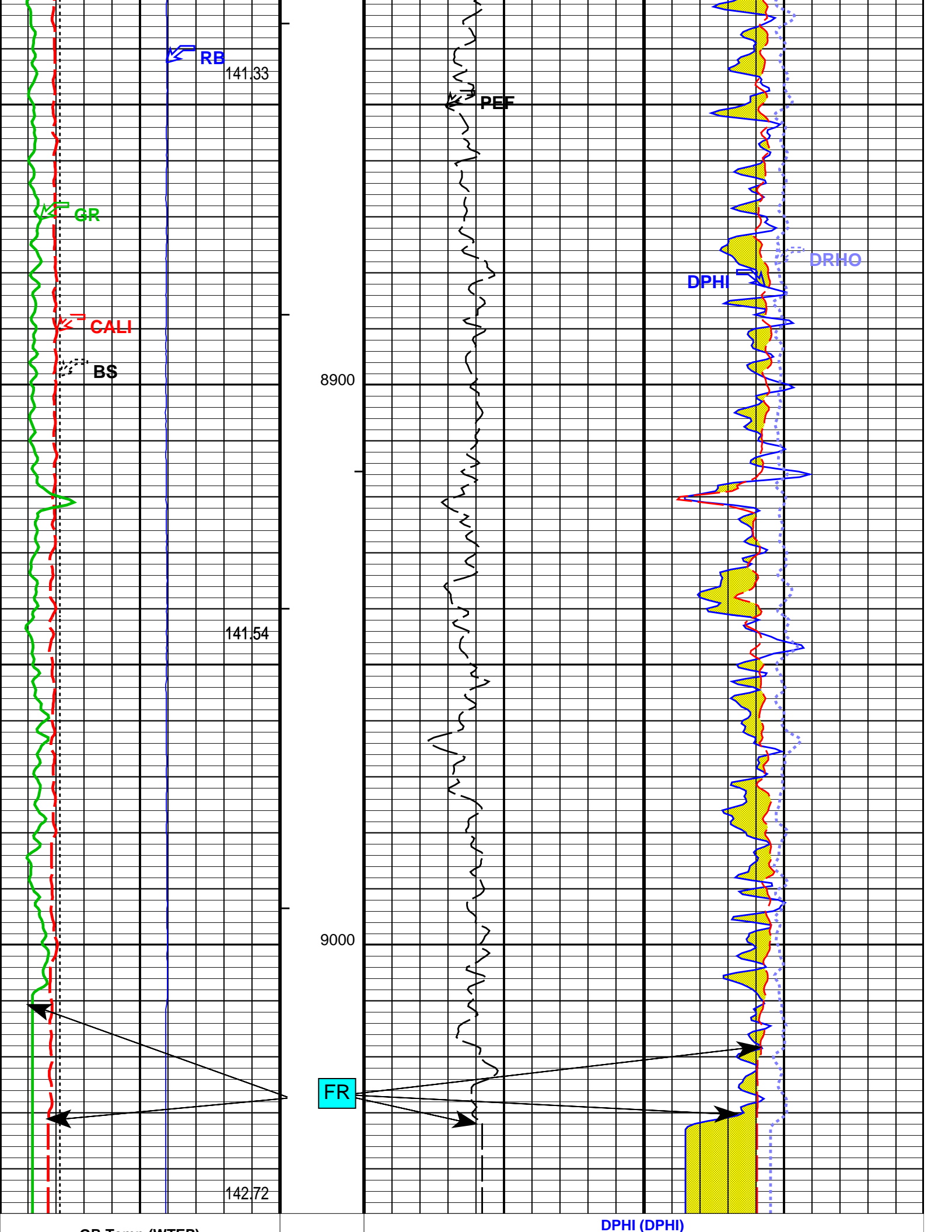
8000

8100









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

30 (PU)		-10
0	PEF (PEF) (-----)	10
DRHO (DRHO) (G/C3)		0.5
TNPH (TNPH) (%)		-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.	6.500 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	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	9.000 lbm/gal

BHS HoleV: Integrated Hole/Cement Volume
 MATR Borehole Status
 System and Miscellaneous Rock Matrix for Neutron Porosity Corrections
 BS Bit Size
 BSAL Borehole Salinity
 CSIZ Current Casing Size

OPEN
 LIME
 6.125 in
 15000.0 ppm
 7.000 in

Format: TB_5INCH_NUCLEAR Vertical Scale: 5" per 100' Graphics File Created: 21-May-2014 01:01

OP System Version: 19C2-270

TBT SRPC-5298-ThruBit_b

Input DLIS Files

ThruBit_006PUP FN:5 21-May-2014 00:54 9047.9 FT 2430.9 FT



CALIBRATIONS

MAXIS Field Log

ThruBit String / Equipment Identification

Primary Equipment:	
Induction Resistivity	TBI - A 48
Density	TBD - A 43
Gamma-Ray Logging Source	GGLS - FZ 3216
Thermal Neutron	TBN - A 27
Neutron Logging Source	NNLS - EWA 4484
Telemetry Memory GR	TMG - A 27
Battery	TBAT - 2
Battery	TBAT - 1

Auxiliary Equipment:

ThruBit String Master Calibration					
TBI Master Calibration Sonde Errors					
Freq 1, A1, R	Value	Nominal	Freq 1, A1, X	Value	Nominal
	-475.662	-457.000		-20.0744	300.000
-536.000 (Minimum)	-387.000 (Maximum)		-500.000 (Minimum)	1100.00 (Maximum)	
Freq 1, A2, R	Value	Nominal	Freq 1, A2, X	Value	Nominal
	-148.883	-141.000		17.2923	320.000
-162.000 (Minimum)	-120.000 (Maximum)		-75.0000 (Minimum)	700.000 (Maximum)	
Freq 1, A3, R	Value	Nominal	Freq 1, A3, X	Value	Nominal
	-30.2273	-28.0000		-45.4175	50.0000
-38.0000 (Minimum)	-18.0000 (Maximum)		-375.000 (Minimum)	475.000 (Maximum)	
Freq 1, A4, R	Value	Nominal	Freq 1, A4, X	Value	Nominal
	-16.8583	-16.0000		224.452	300.000
-24.0000 (Minimum)	-8.00000 (Maximum)		25.0000 (Minimum)	575.000 (Maximum)	
Freq 1, A5, R	Value	Nominal	Freq 1, A5, X	Value	Nominal
	-14.8593	-14.0000		109.636	150.000
-21.0000 (Minimum)	-7.00000 (Maximum)		25.0000 (Minimum)	275.000 (Maximum)	
Freq 2, A1, R	Value	Nominal	Freq 2, A1, X	Value	Nominal

		-246.838	-237.000			-47.1666	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
		-96.6990	-92.0000			-16.8976	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
		-21.8469	-21.0000			-82.2379	-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
		-19.8901	-20.0000			57.4657	100.000
-28.0000 (Minimum)	(Nominal)	-10.0000 (Maximum)		-75.0000 (Minimum)	(Nominal)	275.000 (Maximum)	
	Freq 2, A5, R	Value	Nominal		Freq 2, A5, X	Value	Nominal
		-19.6387	-20.0000			-27.9072	-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
		-156.728	-149.000			-106.926	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
		-73.8182	-70.0000			-53.9371	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
		-17.9160	-17.0000			-119.884	-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
		-21.5775	-22.0000			-55.4654	-50.0000
-31.0000 (Minimum)	(Nominal)	-11.0000 (Maximum)		-200.000 (Minimum)	(Nominal)	100.000 (Maximum)	
	Freq 3, A5, R	Value	Nominal		Freq 3, A5, X	Value	Nominal
		-22.3506	-22.0000			-130.465	-110.000
-32.0000 (Minimum)	(Nominal)	-11.0000 (Maximum)		-250.000 (Minimum)	(Nominal)	-25.0000 (Maximum)	
	Freq 4, A1, R	Value	Nominal		Freq 4, A1, X	Value	Nominal
		-86.0029	-80.0000			-232.020	-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
		-53.0604	-50.0000			-120.146	-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
		-14.2016	-14.0000			-189.359	-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
		-24.7660	-25.0000			-225.323	-235.000
-37.0000 (Minimum)	(Nominal)	-11.0000 (Maximum)		-400.000 (Minimum)	(Nominal)	-75.0000 (Maximum)	
	Freq 4, A5, R	Value	Nominal		Freq 4, A5, X	Value	Nominal
		-28.0152	-28.0000			-306.098	-300.000
-43.0000 (Minimum)	(Nominal)	-12.0000 (Maximum)		-475.000 (Minimum)	(Nominal)	-125.000 (Maximum)	

Master: 11-Mar-2014 11:48

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

		0.9931	1.000					-0.003803	0
		0.9901	1.000					0.0002989	0
		0.9938	1.000					-0.006371	0
		0.9947	1.000					0.001656	0
		0.9990	1.000					0.001395	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	
		0.9886	1.000				-0.009418	0	
		0.9847	1.000				-0.005867	0	
		0.9828	1.000				-0.005264	0	
		0.9903	1.000				-0.004911	0	
		0.9954	1.000				-0.005778	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	
		0.9894	1.000				-0.006061	0	
		0.9858	1.000				-0.002992	0	
		0.9836	1.000				-0.002560	0	
		0.9902	1.000				-0.002742	0	
		0.9972	1.000				-0.002038	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	
		0.9918	1.000				-0.008870	0	
		0.9876	1.000				-0.006815	0	
		0.9875	1.000				-0.008579	0	
		0.9922	1.000				-0.007446	0	
		1.006	1.000				-0.006792	0	
0.9300 (Minimum)	(Nominal)	1.070 (Maximum)				-0.05000 (Minimum)	(Nominal)	0.05000 (Maximum)	

Master: 11-Mar-2014 11:48

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
	1918.4	1949.8		2046.2	2096.7		2176.2	2285.7
1799.8 (Minimum)	(Nominal)	2099.8 (Maximum)	1946.7 (Minimum)	(Nominal)	2246.7 (Maximum)	2135.7 (Minimum)	(Nominal)	2435.7 (Maximum)

Master: 9-May-2014 11:01

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	
	144.74	140.00		133.43	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	
	29.27	29.00		4617.14	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	
	915.65	870.00		7550.90	8000.00	

(Minimum)	(Nominal)	982.00 (Maximum)		6695.00 (Minimum)	(Nominal)	9269.00 (Maximum)	
LS4 Aluminium CPS			Value	Nominal			
			969.92	955.00			
796.00 (Minimum)	(Nominal)	1169.0 (Maximum)					
LS1 Al + Sleeve CPS			Value	Nominal			
			821.92	725.00			
650.00 (Minimum)	(Nominal)	838.00 (Maximum)					
LS4 Al + Sleeve CPS			Value	Nominal			
			460.44	426.50			
382.00 (Minimum)	(Nominal)	638.00 (Maximum)					
LS1 Magnesium CPS			Value	Nominal			
			5880.64	5800.00			
5158.00 (Minimum)	(Nominal)	6486.00 (Maximum)					
SS Slope			Value	Nominal			
			1.678	1.645			
1.520 (Minimum)	(Nominal)	1.770 (Maximum)					
LS Slope			Value	Nominal			
			0.4228	0.4150			
0.3800 (Minimum)	(Nominal)	0.4500 (Maximum)					
Pef K Factor			Value	Nominal			
			4.696	4.840			
3.510 (Minimum)	(Nominal)	6.170 (Maximum)					
Pef B Factor			Value	Nominal			
			-0.5209	-0.5550			
-0.7000 (Minimum)	(Nominal)	-0.4100 (Maximum)					

Master: 9-May-2014 10:53

ThruBit String Master Calibration							
Thermal Neutron Master Calibration							
TNF, Background CPS		Value	Nominal	TNN, Background CPS		Value	Nominal
		0.15	1.0			0.083	1.0
0 (Minimum)	(Nominal)	2.0 (Maximum)		0 (Minimum)	(Nominal)	2.0 (Maximum)	
TNF, Tank CPS		Value	Nominal	TNN, Tank CPS		Value	Nominal
		93.21	96.00			2714.7	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
		3064.3	3040.0			31464.2	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
		10.915	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
		29.124	30.958			77.8	70.0
28.000 (Minimum)	(Nominal)	34.000 (Maximum)		20.0 (Minimum)	(Nominal)	120 (Maximum)	

Master: 7-May-2014 9:47

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
		28.95	30.00			161.3	170.8
0 (Minimum)	(Nominal)	120.0 (Maximum)		136.6 (Minimum)	(Nominal)	205.0 (Maximum)	
Master: Calibration out of date 15-Oct-2013 12:57							

Company: **SANDRIDGE ENERGY**

Schlumberger

Well: **MISAK 3404 1-30H**

Field: **BLUFF**

County: **SUMNER**

State: **KANSAS**

SPECTRAL DENSITY
DUAL SPACED NEUTRON
MEMORY LOG