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

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

REMARKS: RUN NUMBER 1
 SERVICE:HORIZONTAL PUMP DOWN MEMORY BIT DEPTH: 8687' LOGGED TO: 4400'
 ALL SCALES AND PRESENTATIONS PER CLIENT REQUEST
 LIMESTONE MATRIX 2.71 g/cc USED FOR POROSITY MEASUREMENTS
 TOOLSTRING RAN WITH SWIVEL AND SMALL DE-CENTRALIZER
 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: PATTERSON 56
 CREW: S.JARSKI R.CRESSWELL R.WILSON
 WELL NOT LOGGED FROM BOTTOM DUE TO HOLE GOING OUT OF ZONE.

REMARKS: RUN NUMBER 2
 LOGGED TO: 4400'
 ALL SCALES AND PRESENTATIONS PER CLIENT REQUEST
 LIMESTONE MATRIX 2.71 g/cc USED FOR POROSITY MEASUREMENTS
 TOOLSTRING RAN WITH SWIVEL AND SMALL DE-CENTRALIZER
 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: PATTERSON 56
 CREW: S.JARSKI R.CRESSWELL R.WILSON
 WELL NOT LOGGED FROM BOTTOM DUE TO HOLE GOING OUT OF ZONE.

RUN 1		
SERVICE ORDER #:	3346	
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

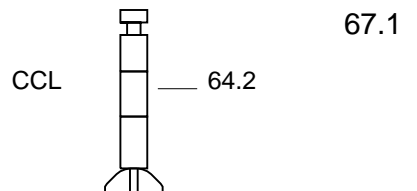
SURFACE EQUIPMENT

WITM (ThruBit)

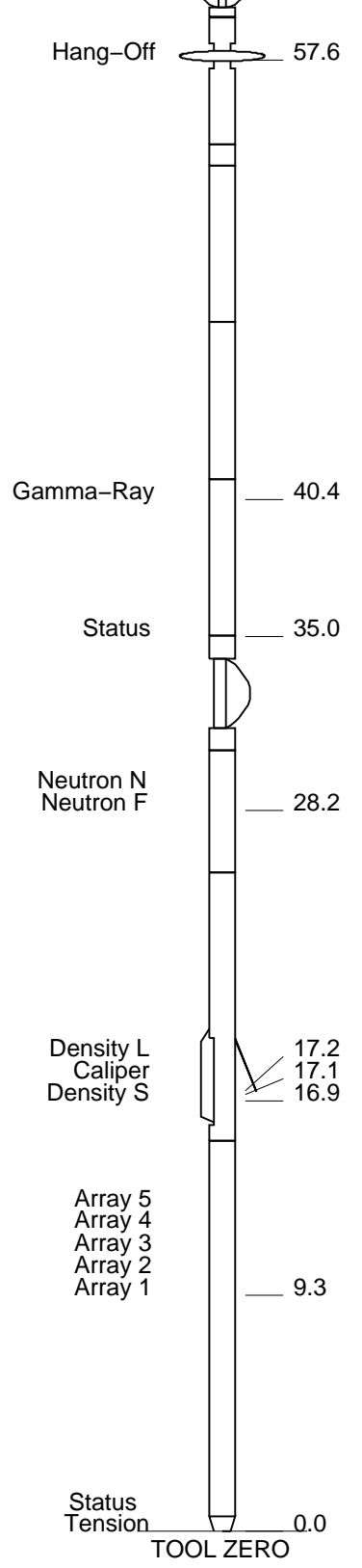
RUN 2

DOWNHOLE EQUIPMENT

TBT-A
 THEAD
 CCL
 BDOT-B 14
 THOT 29
 T10 1
 TBAT1 13
 TBAT2 35



TMG-A 24
TILE-A
TBN-A 18
NNLS-EWA 4484
TBD-A 46
GGLS-FZ 3216
TBI-A 19



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

Schlumberger

MAIN PASS

MAXIS Field Log

Company: SANDRIDGE ENERGY

Well: JOYCE 3406 2-27H

Input DLIS Files

DEFAULT ThruBit_010PUP FN:9 PRODUCER 29-Oct-2014 18:44 8745.5 FT 4031.5 FT

Output DLIS Files

DEFAULT ThruBit_011PUP FN:10 PRODUCER 29-Oct-2014 19:00

OP System Version: 19C2-270

TBT-A SRPC-5307-ThruBit

PIP SUMMARY

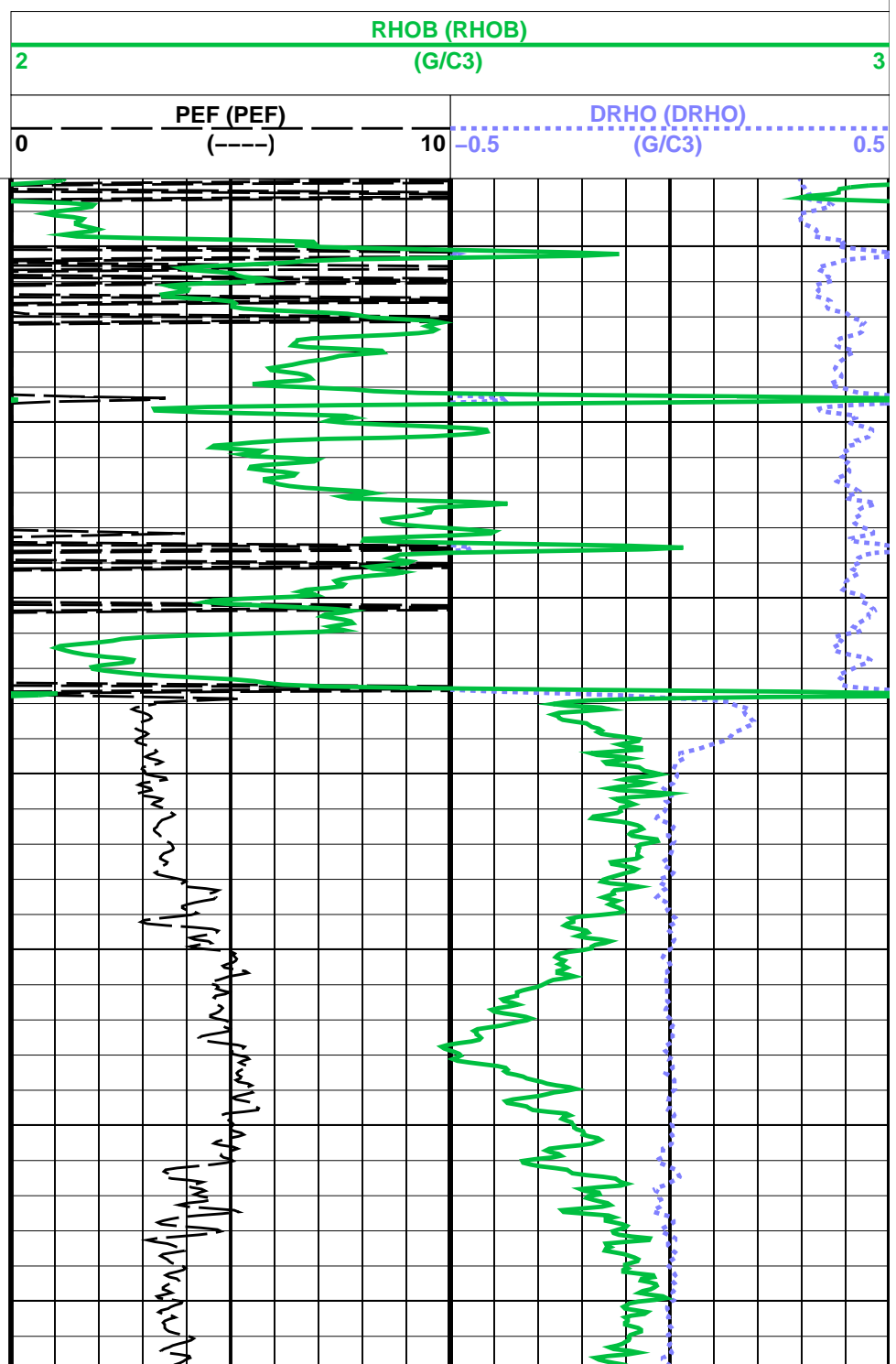
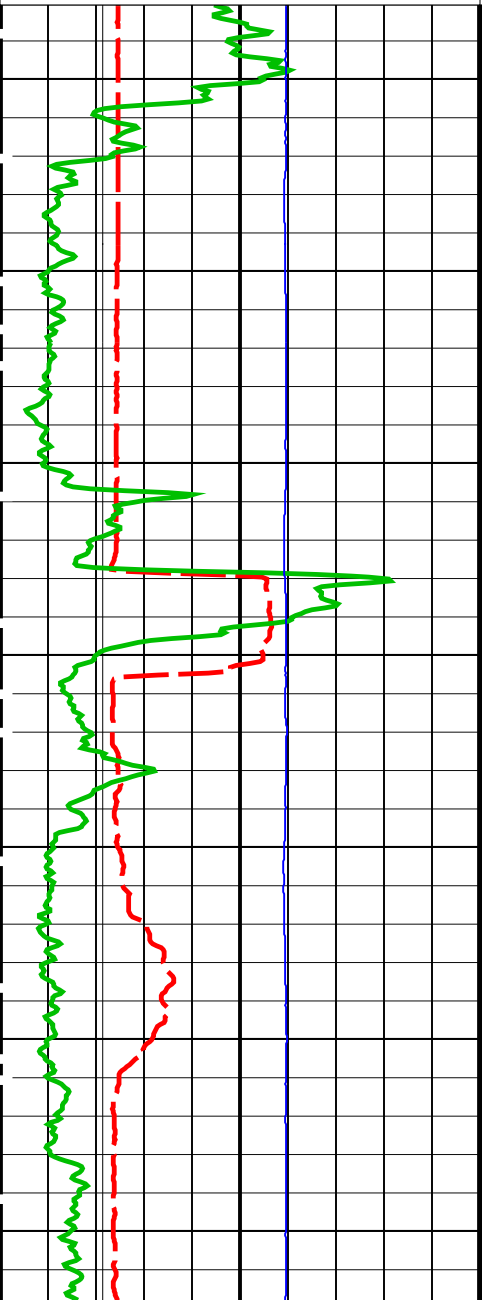
Time Mark Every 60 S

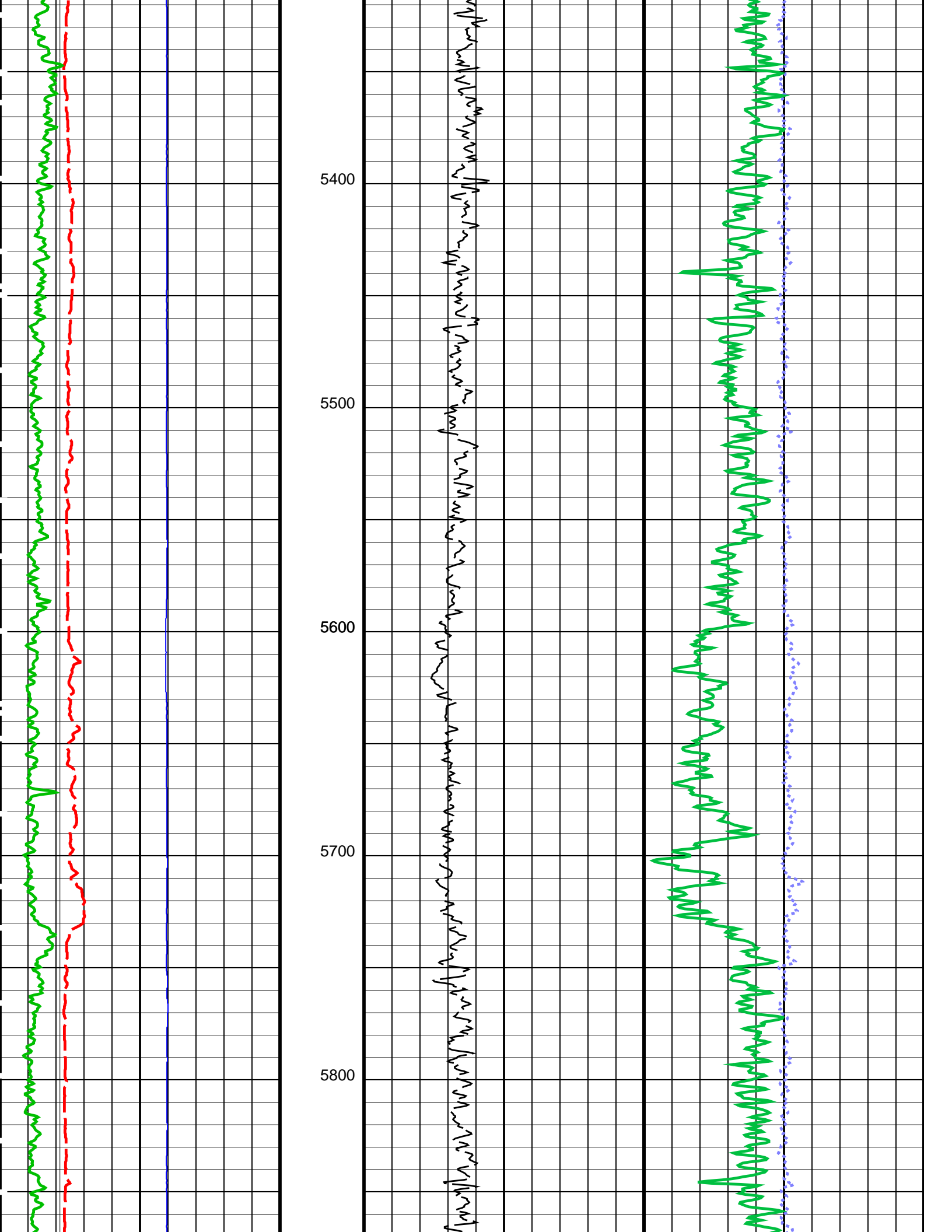
Relative Bearing
(RB)
0 (DEG) 940

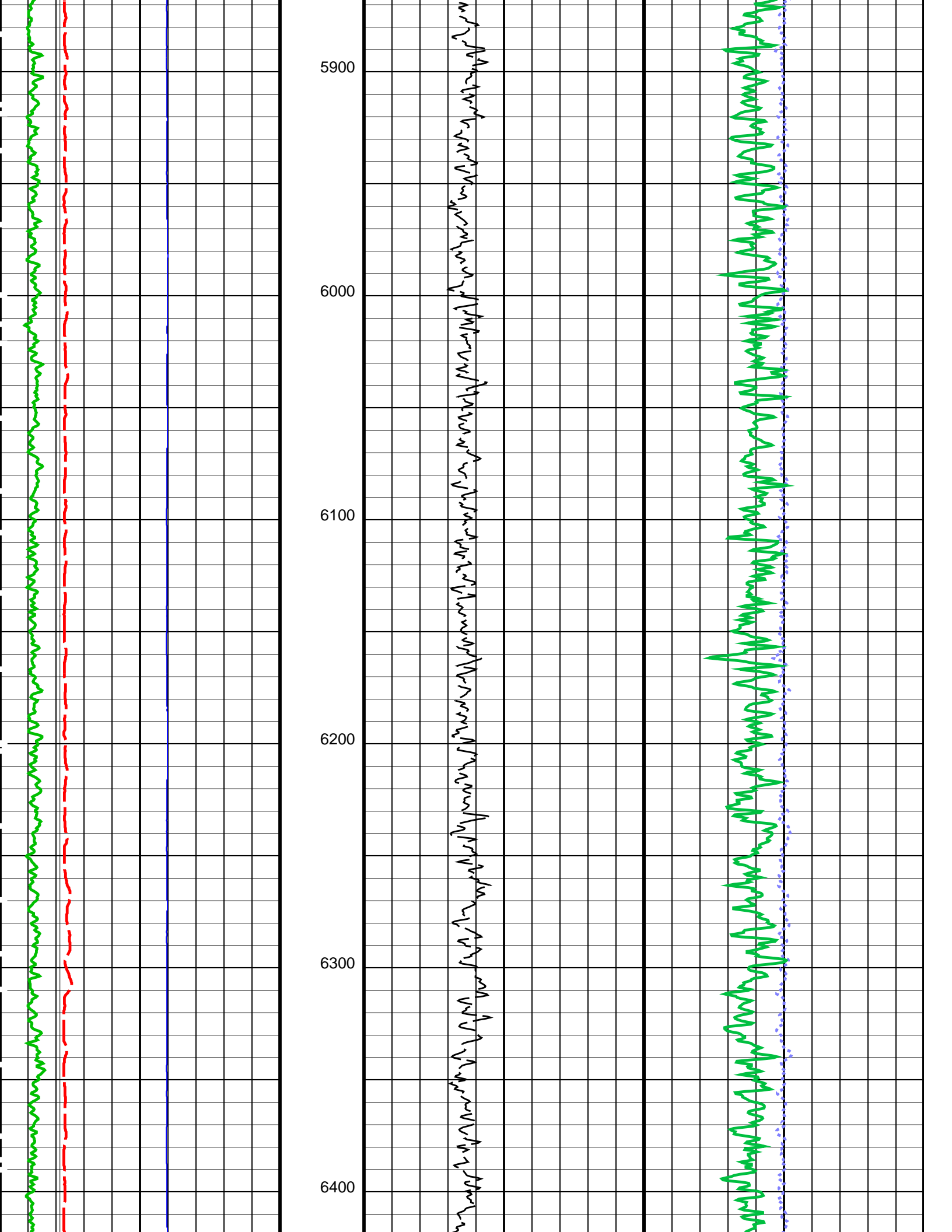
gr wrap4
From LHT1 to GR4

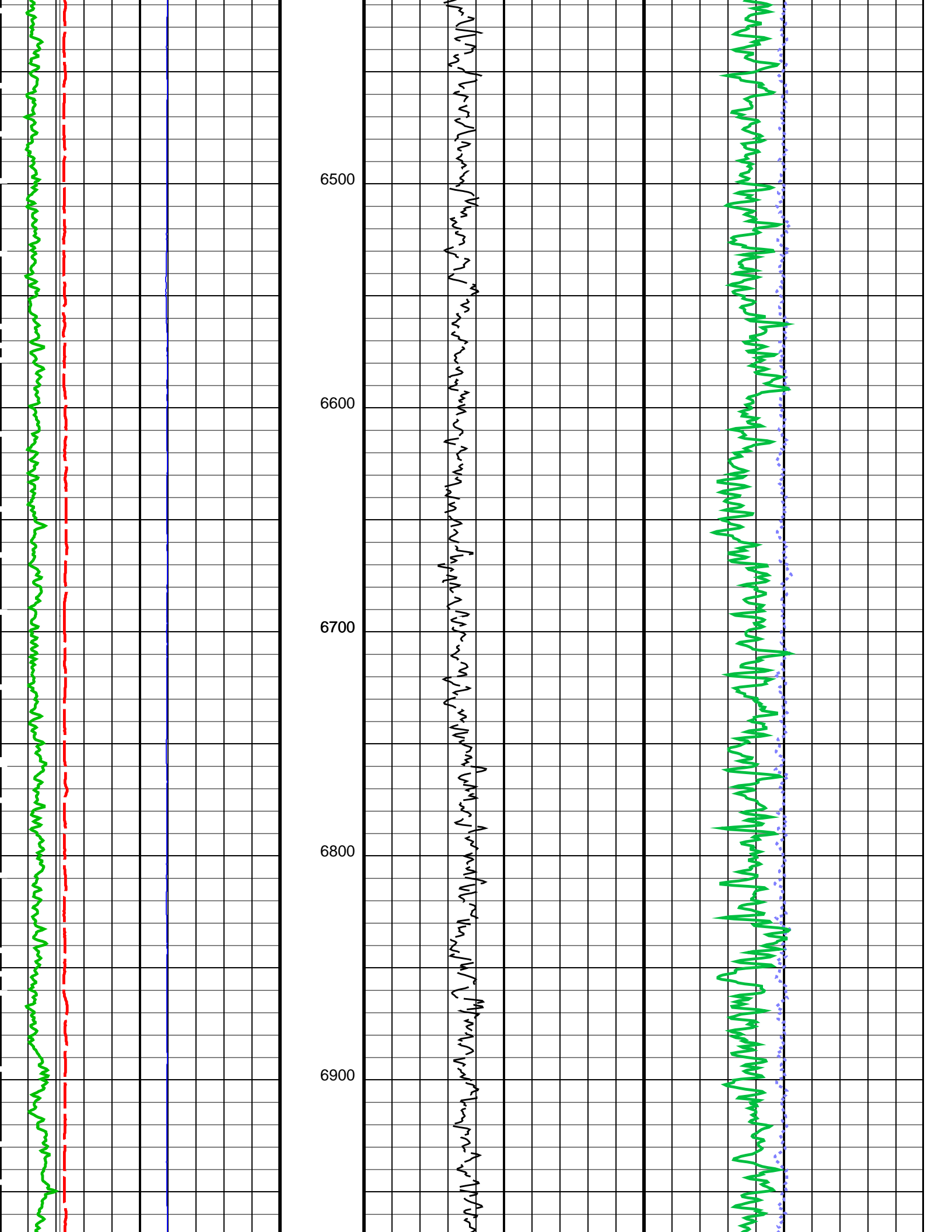
gr wrap3
From LHT1 to GR3

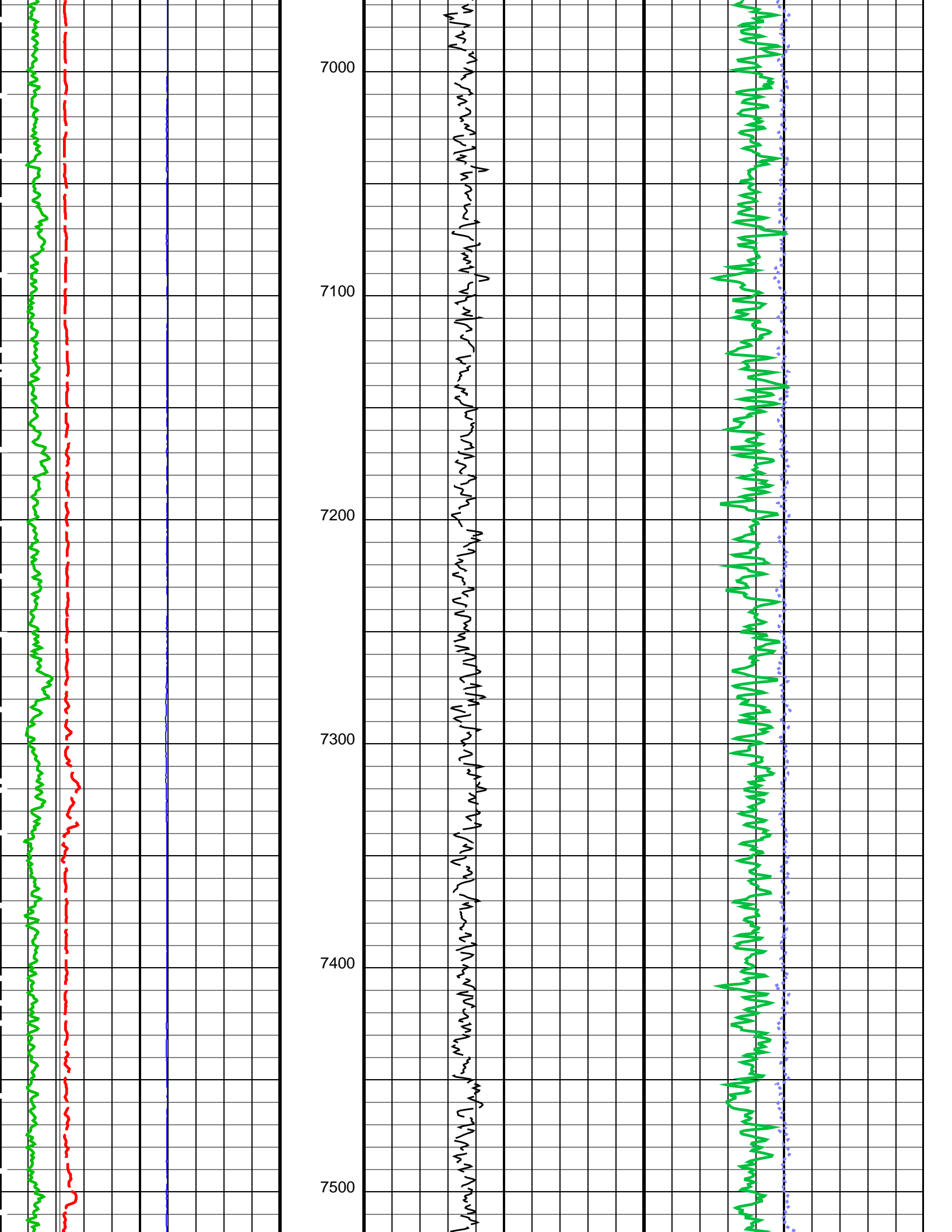
gr wrap2 From LHT1 to GR2		
gr wrap1 From LHT1 to GR1		
Gamma Ray (GR)		
0	(GAPI)	150
Caliper (CALI)		
4	(IN)	14
Gamma Ray 4 (GR)		
600	(GAPI)	750
Gamma Ray 3 (GR)		
450	(GAPI)	600
Gamma Ray 2 (GR)		
300	(GAPI)	450
Gamma Ray 1 (GR)		
150	(GAPI)	300
Bit Size (BS)		
4	(IN)	14

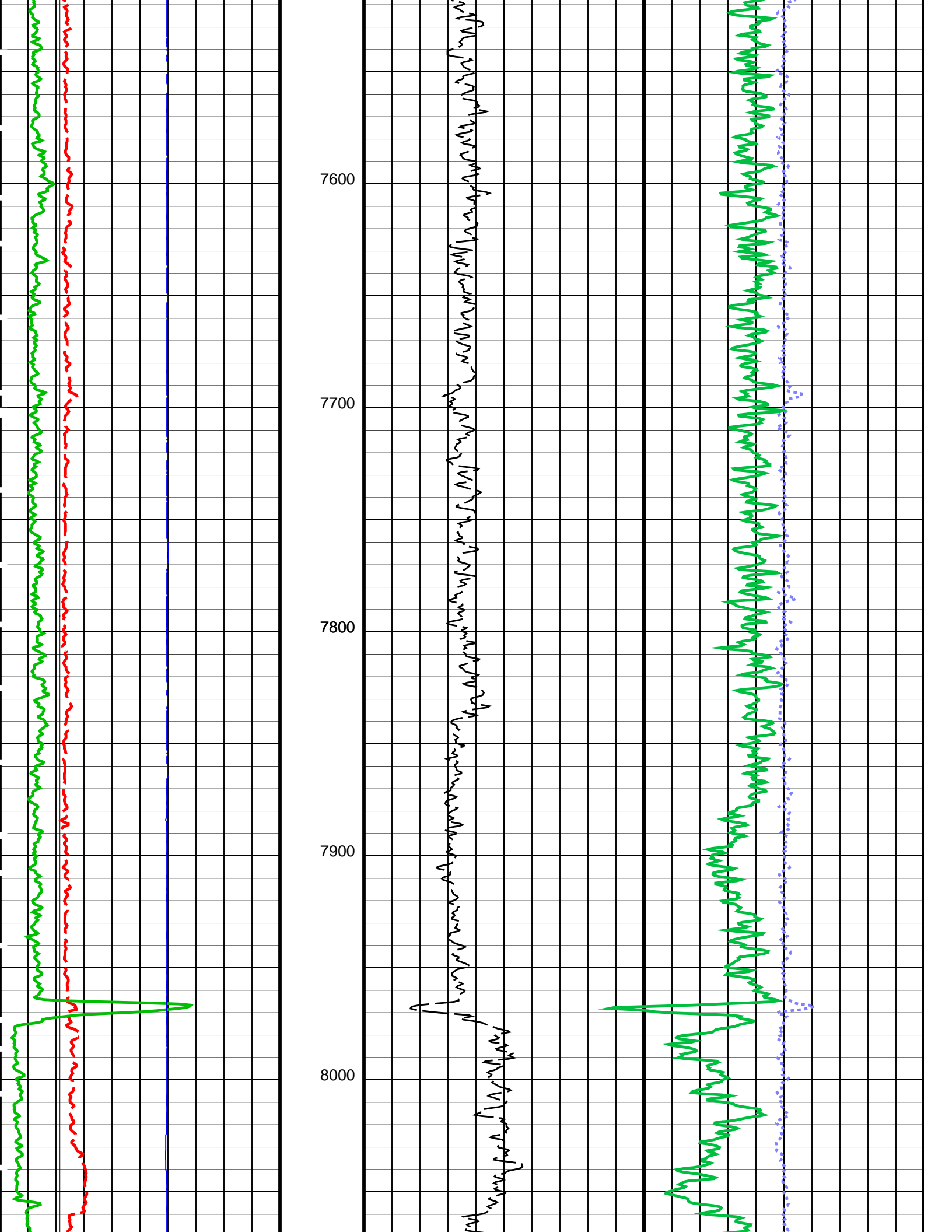


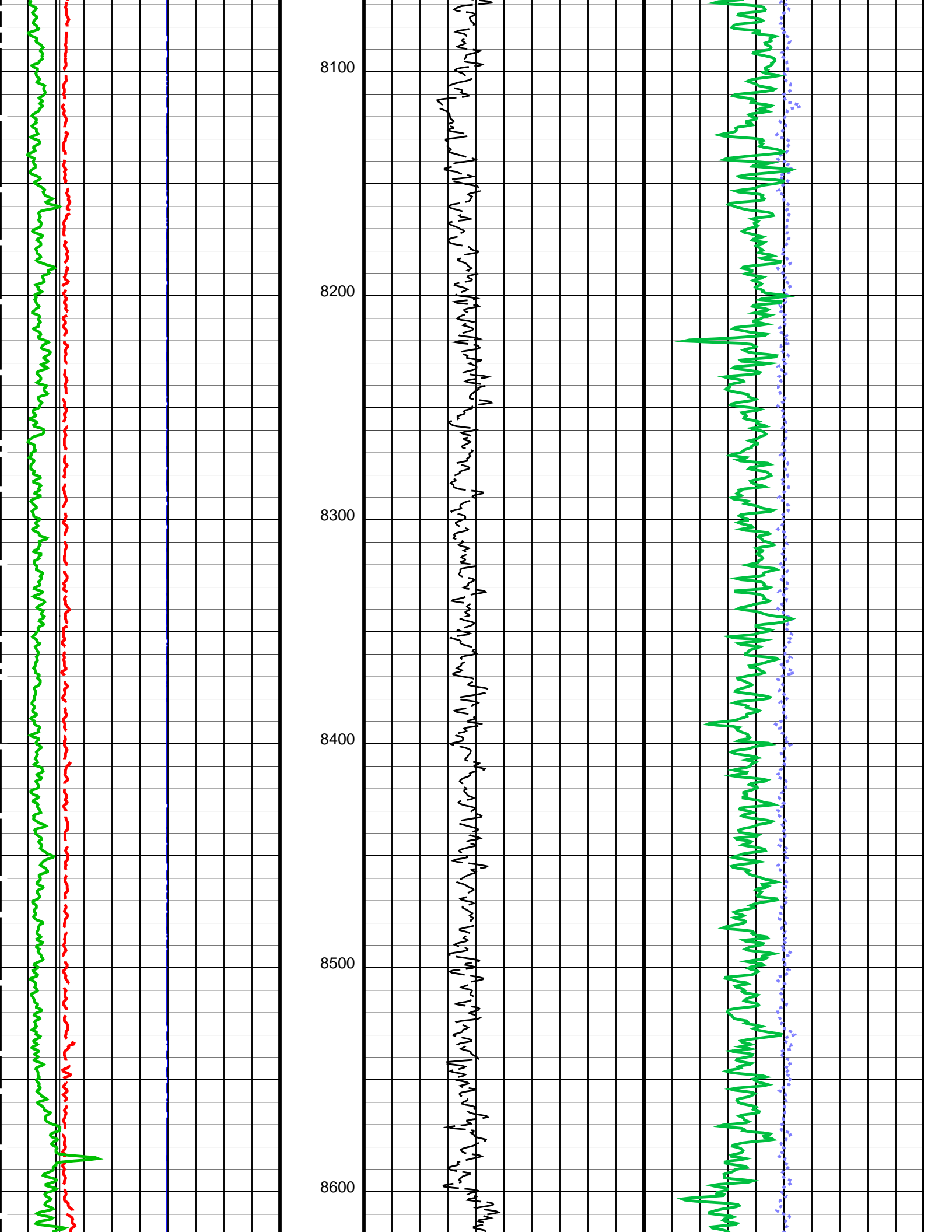


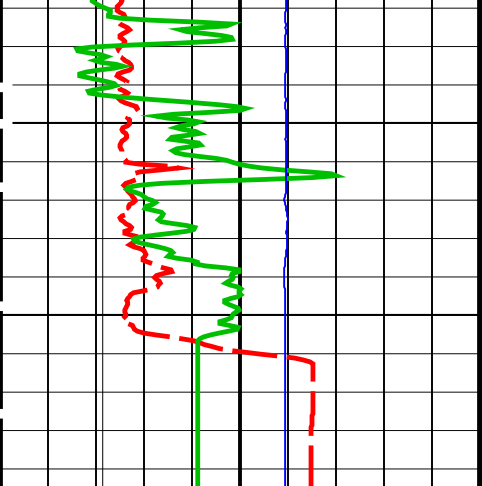






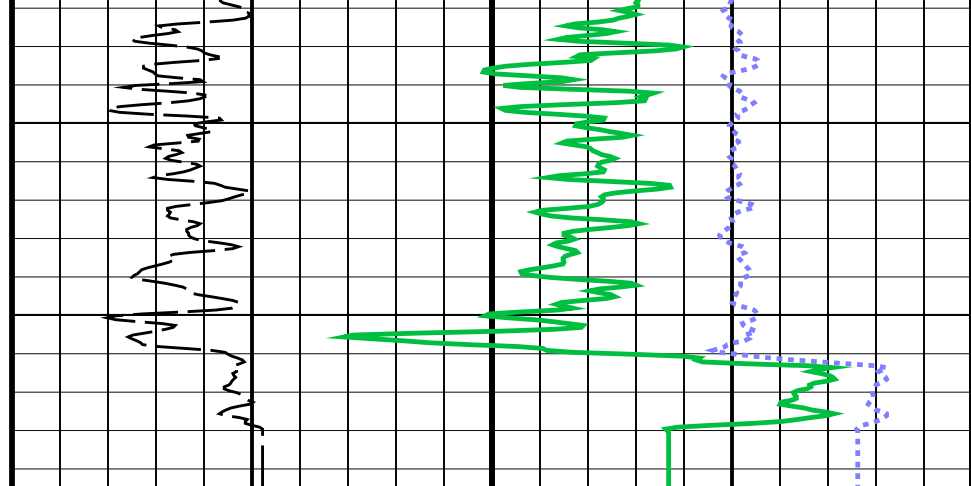






Bit Size (BS)		
4	(IN)	14
Gamma Ray 1 (GR)		
150	(GAPI)	300
Gamma Ray 2 (GR)		
300	(GAPI)	450
Gamma Ray 3 (GR)		
450	(GAPI)	600
Gamma Ray 4 (GR)		
600	(GAPI)	750
Caliper (CALI)		
4	(IN)	14
Gamma Ray (GR)		
0	(GAPI)	150
gr wrap1 From LHT1 to GR1		
gr wrap2 From LHT1 to GR2		
gr wrap3 From LHT1 to GR3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

8700



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

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
TBT-A: ThruBit String		
DHC	Density Hole Correction	CALIPER
RB_OFFSET	Additional RB offset (degrees)	0 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 %
WMUD	Mud Weight	8.4 LB/G
System and Miscellaneous		
BS	Bit Size	6.125 IN
DO	Depth Offset for Playback	0.0 FT
PP	Playback Processing	NORMAL

OP System Version: 19C2-270

TBT-A SRPC-5307-ThruBit

Input DLIS Files

DEFAULT ThruBit_010PUP FN:9 PRODUCER 29-Oct-2014 18:44 8745.5 FT 4031.5 FT

Output DLIS Files

DEFAULT ThruBit_011PUP FN:10 PRODUCER 29-Oct-2014 19:00



MAIN PASS

MAXIS Field Log

Company: SANDRIDGE ENERGY

Well: JOYCE 3406 2-27H

Input DLIS Files

DEFAULT ThruBit_010PUP FN:9 PRODUCER 29-Oct-2014 18:44 8745.5 FT 4031.5 FT

Output DLIS Files

DEFAULT ThruBit_011PUP FN:10 PRODUCER 29-Oct-2014 19:00 8745.5 FT 4349.5 FT

Integrated Hole/Cement Volume Summary

Hole Volume = 814.96 F3
 Cement Volume = 417.10 F3 (assuming 4.50 IN casing O.D.)
 Computed from 8730.0 FT to 5128.0 FT using data channel(s) CALI

OP System Version: 19C2-270

TBT-A SRPC-5307-ThruBit

PIP SUMMARY

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

Time Mark Every 60 S

Relative Bearing (RB)	
0	940
(DEG)	

gr wrap4
From LHT1 to GR4

gr wrap3
From LHT1 to GR3

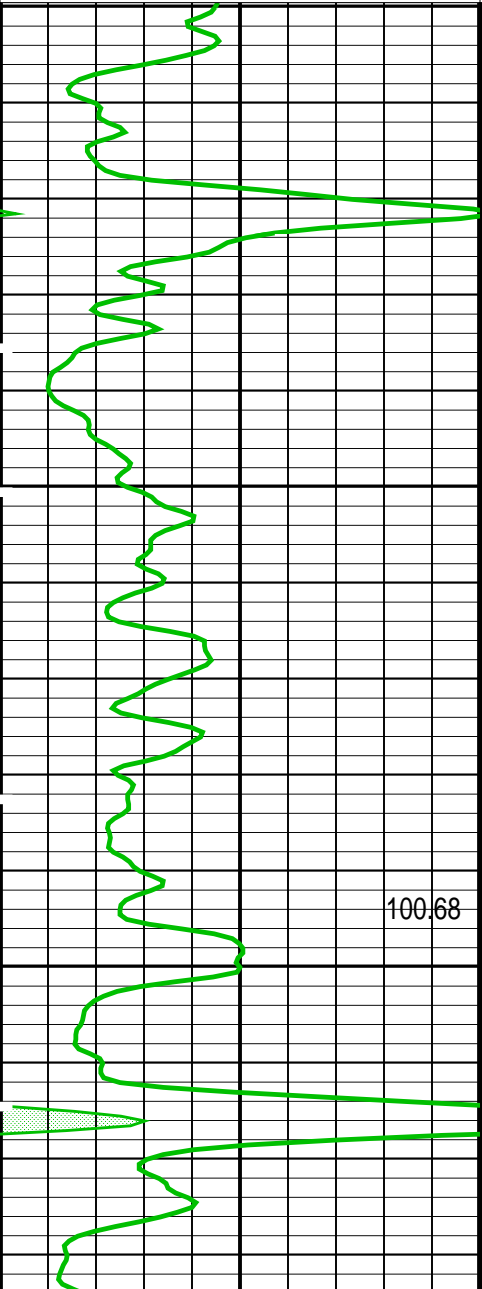
gr wrap2
From LHT1 to GR2

gr wrap1
From LHT1 to GR1

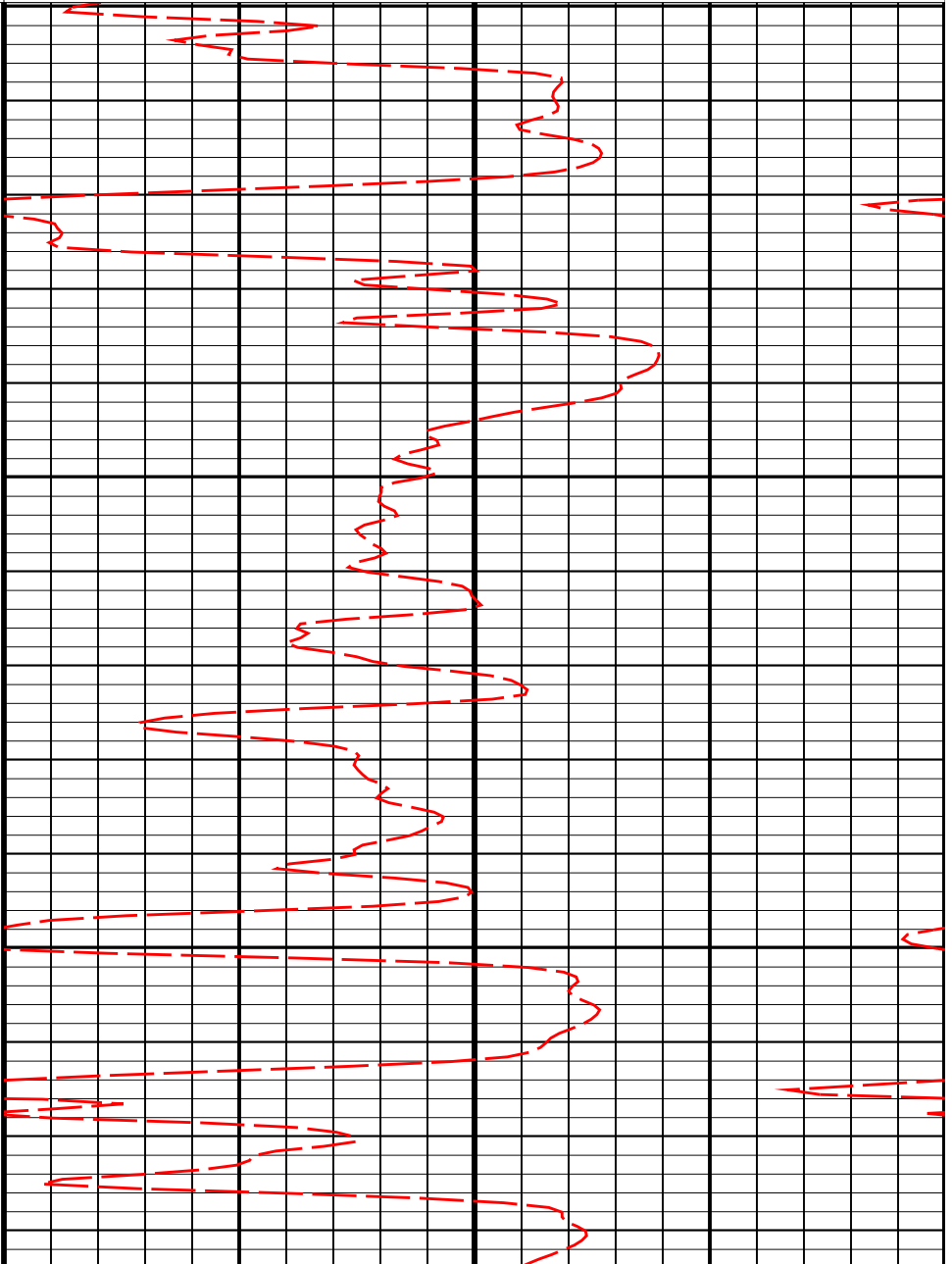
Gamma Ray (GR)		
0	(GAPI)	150
Caliper (CALI)		
4	(IN)	14
Gamma Ray 4 (GR)		
600	(GAPI)	750
Gamma Ray 3 (GR)		
450	(GAPI)	600
Gamma Ray 2 (GR)		
300	(GAPI)	450
Gamma Ray 1 (GR)		
150	(GAPI)	300
Bit Size (BS)		
4	(IN)	14

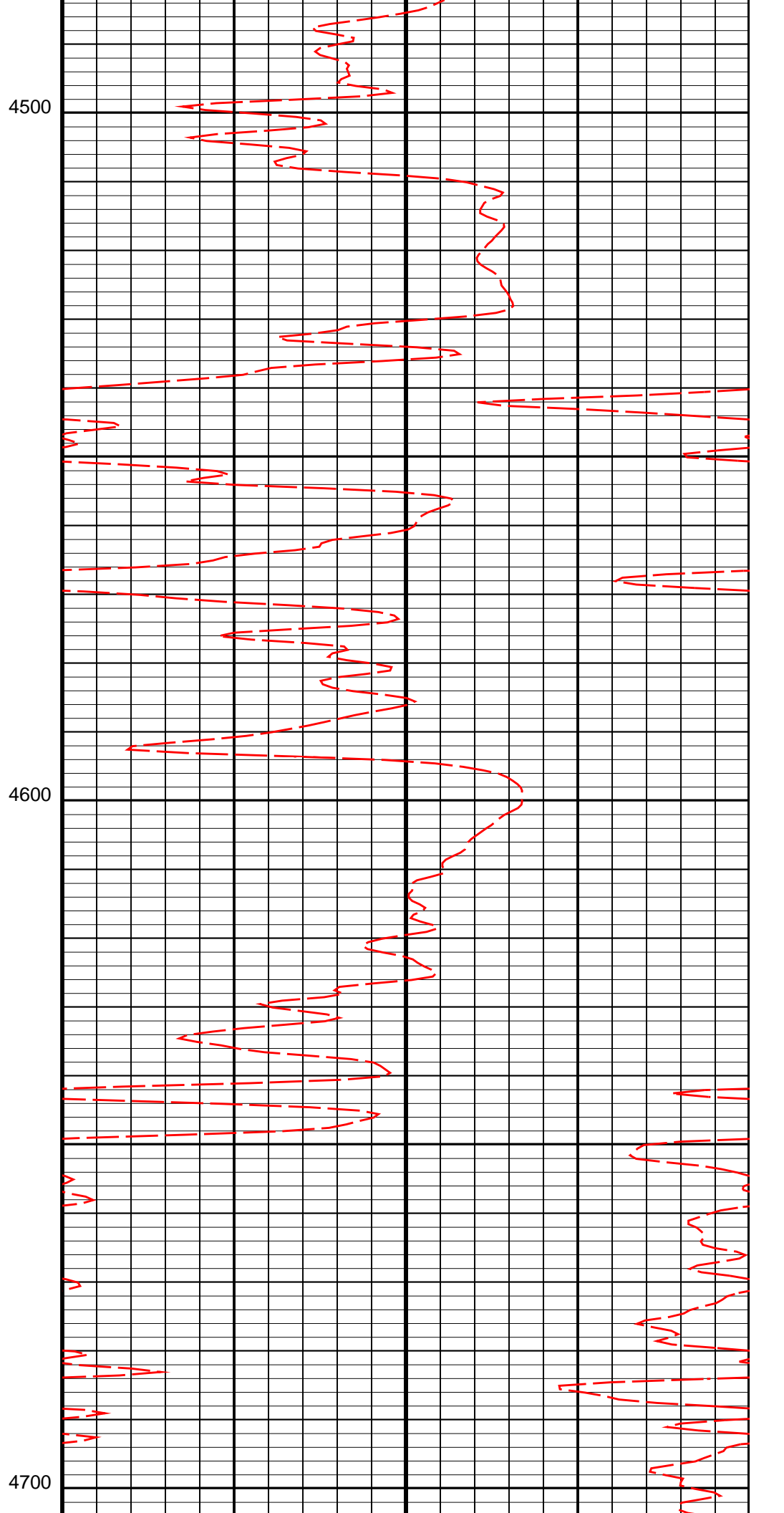
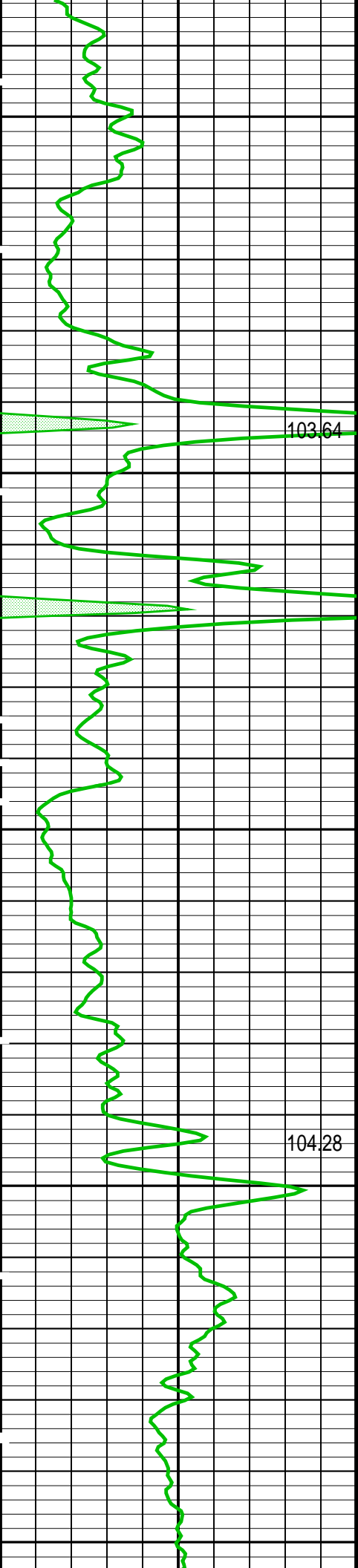
TNPH (TNPH)		
30	(%)	-10
PEF (PEF)		DRHO (DRHO)
0	(----)	10
		-0.5
		(G/C3)
		0.5
DPHI (DPHI)		
30	(PU)	-10

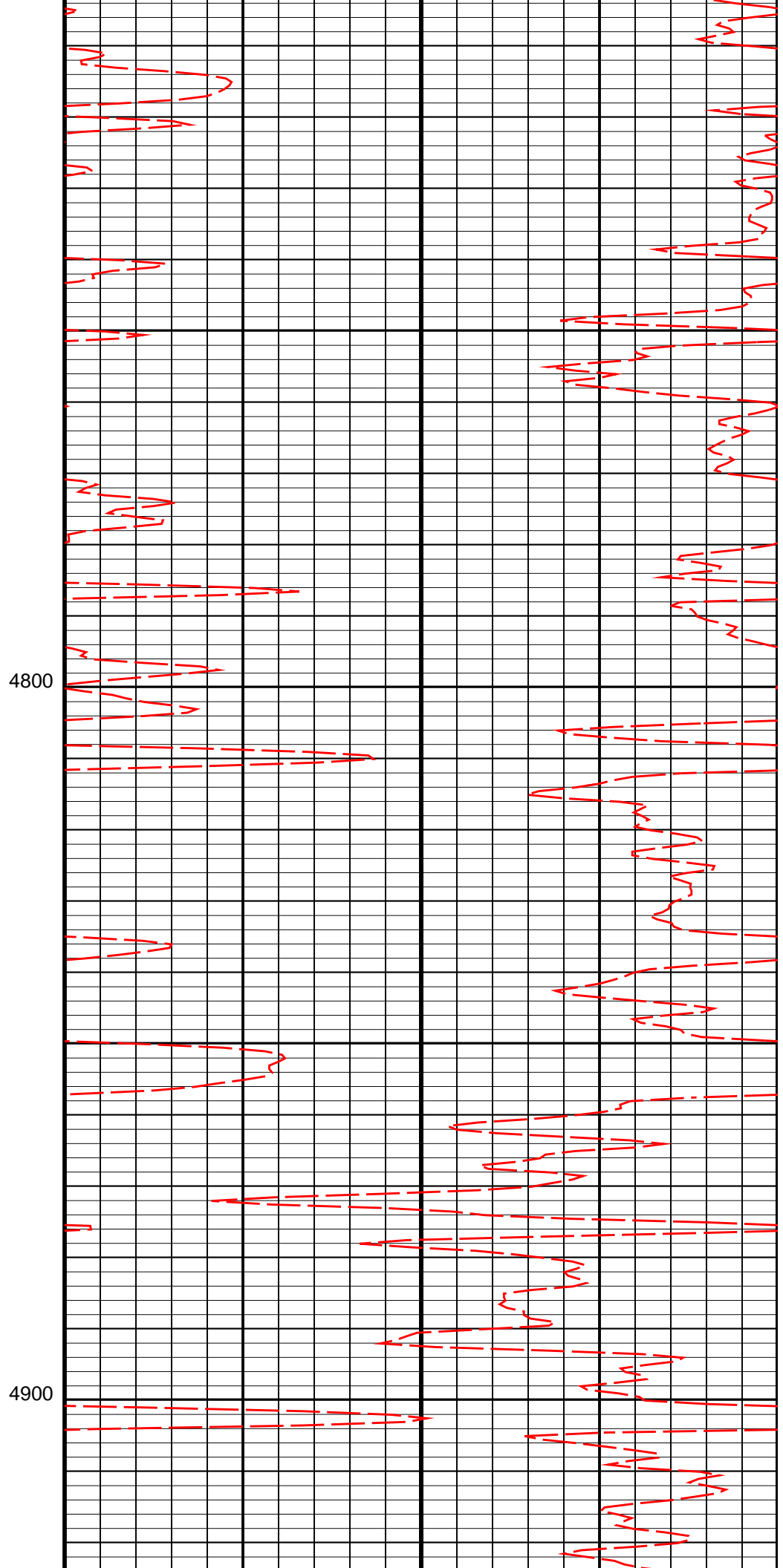
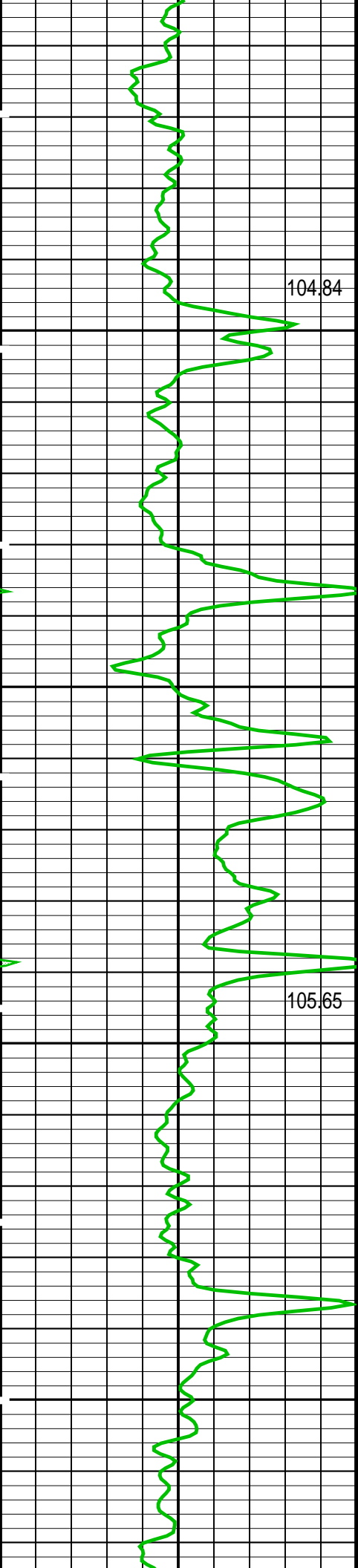
GR Temp (WTEP)
(DEGF)

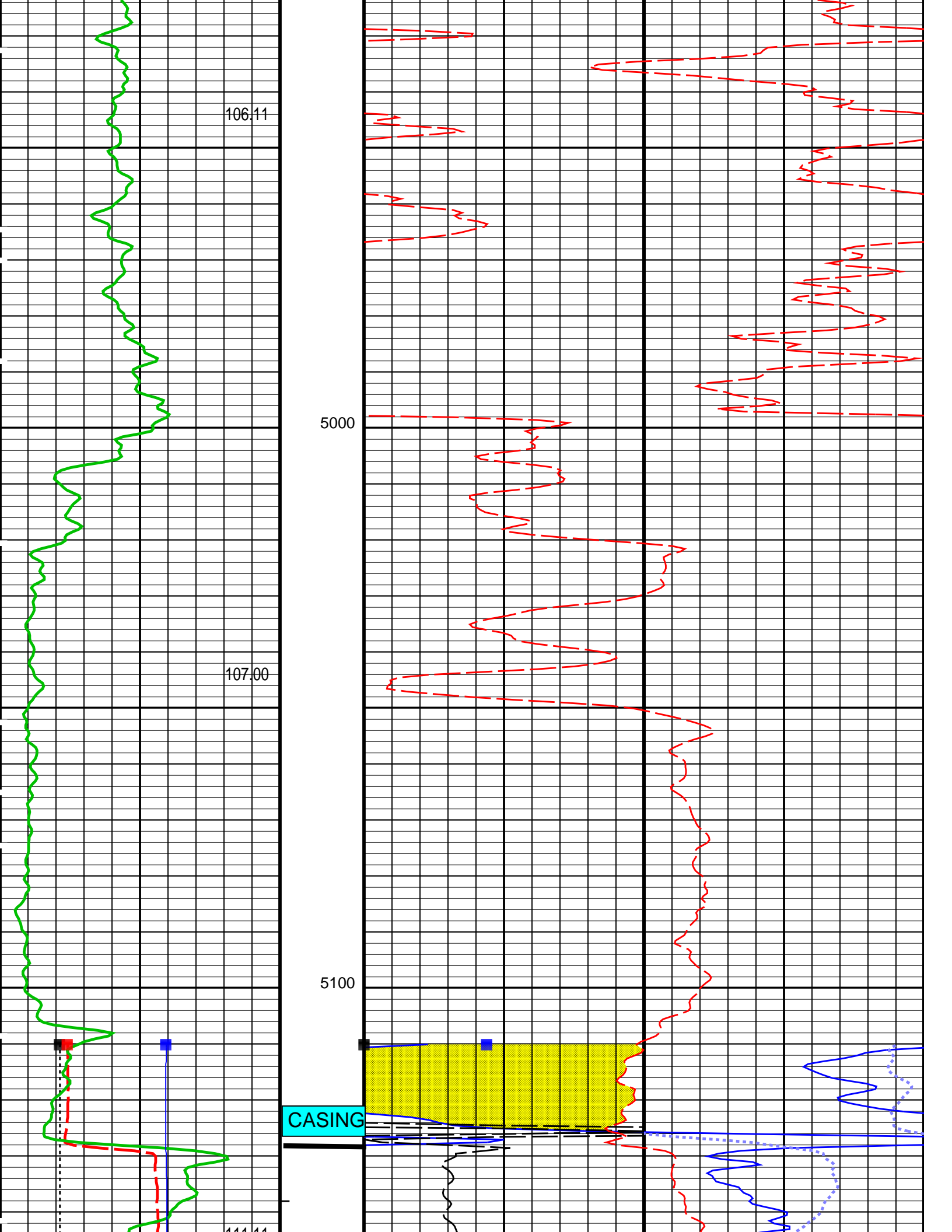


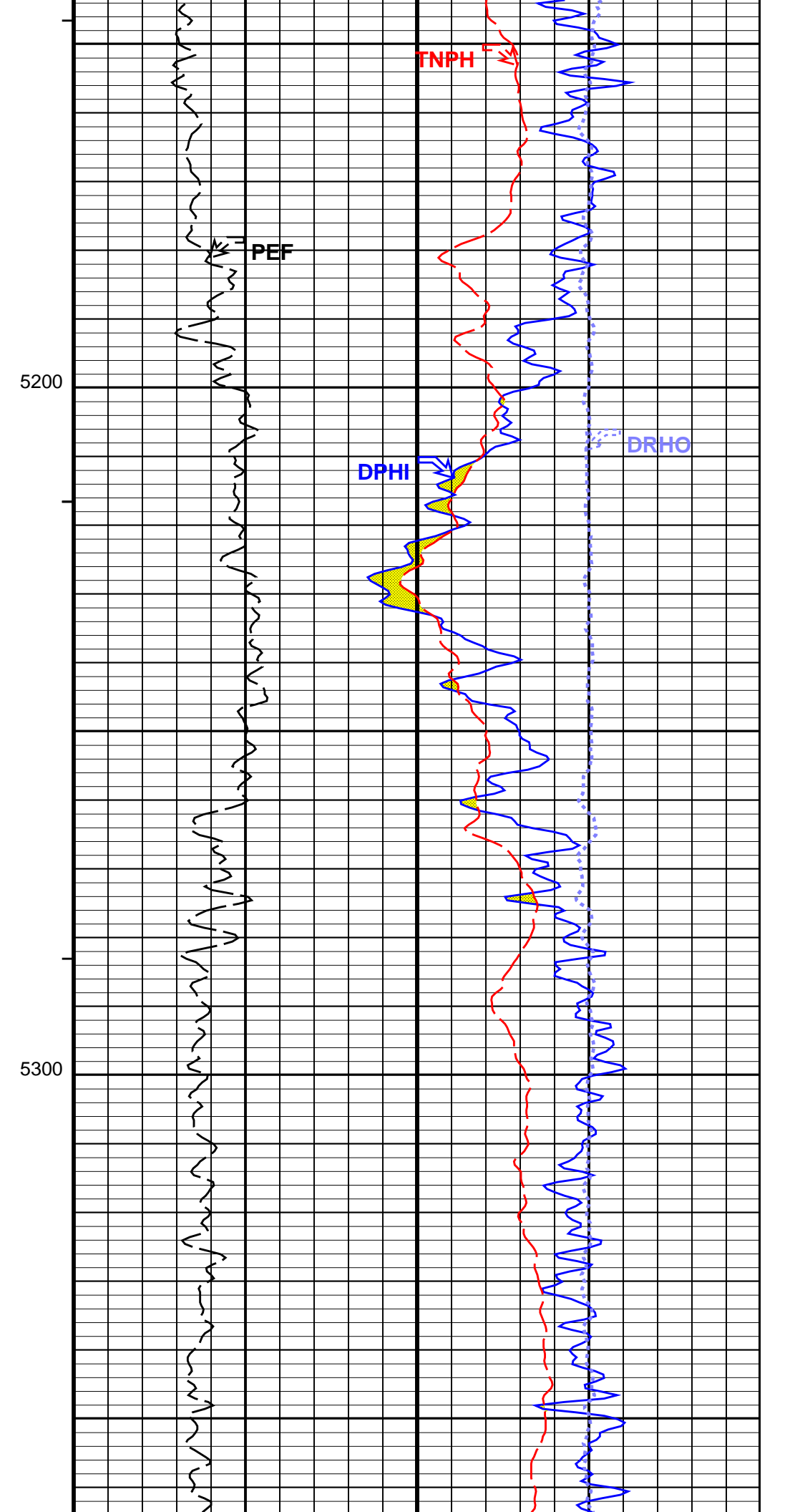
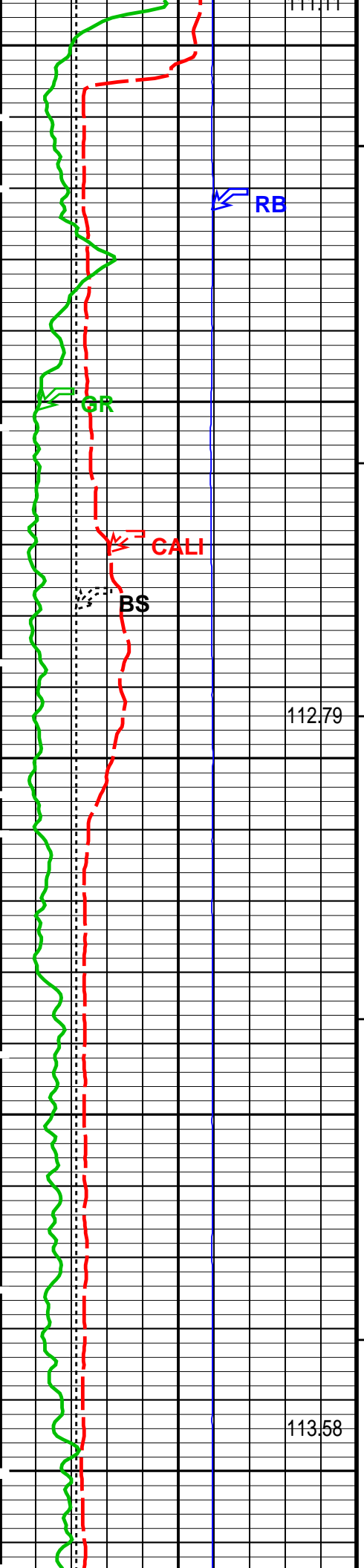
4400

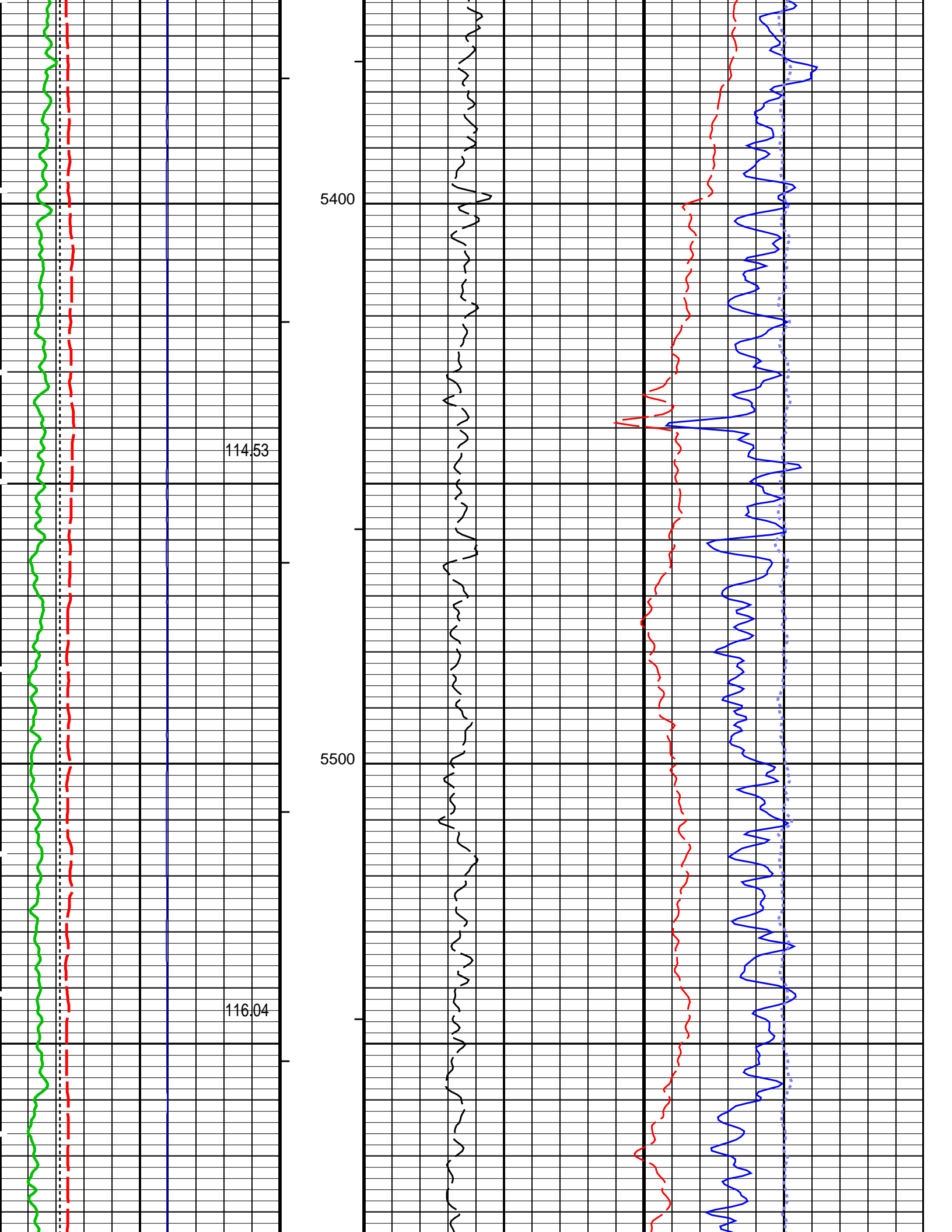


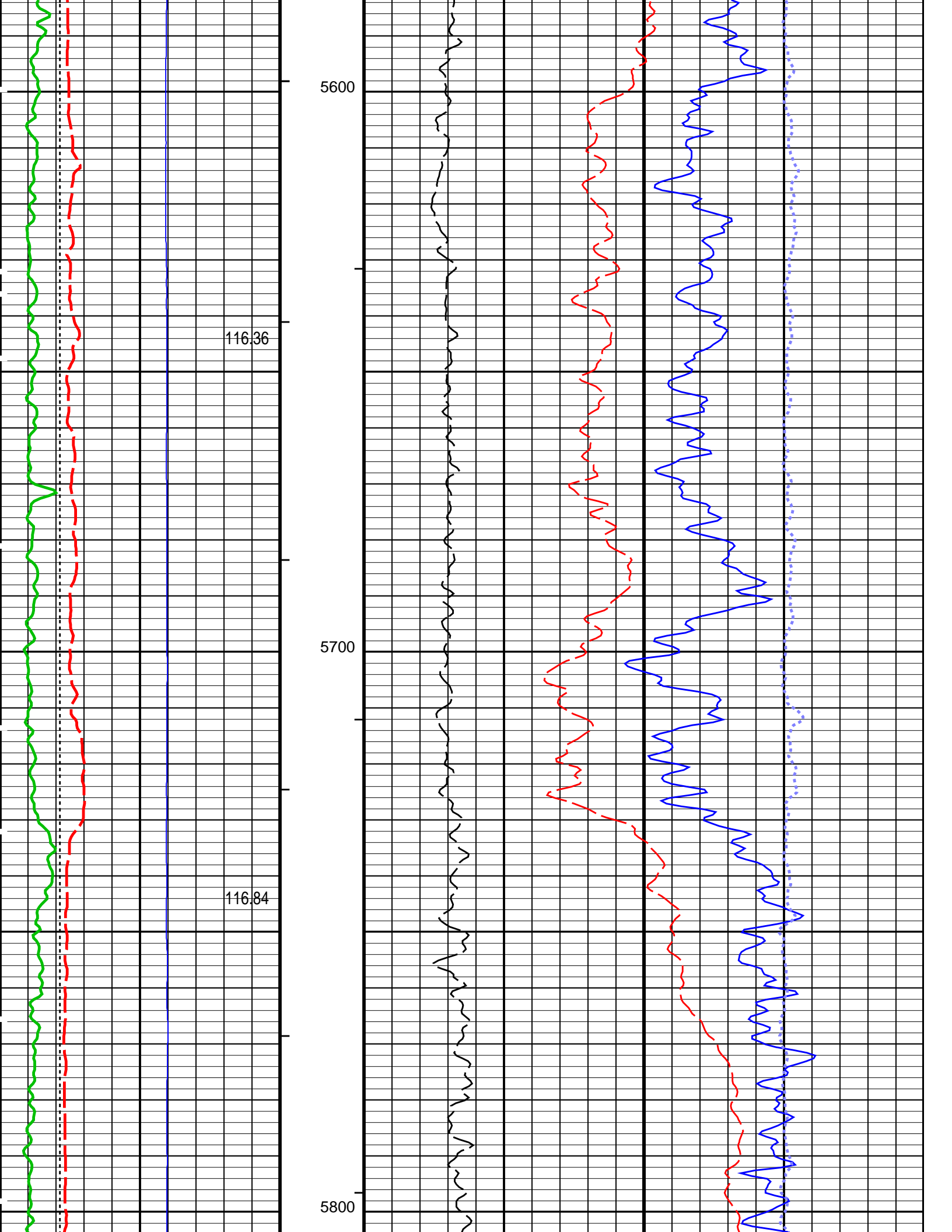


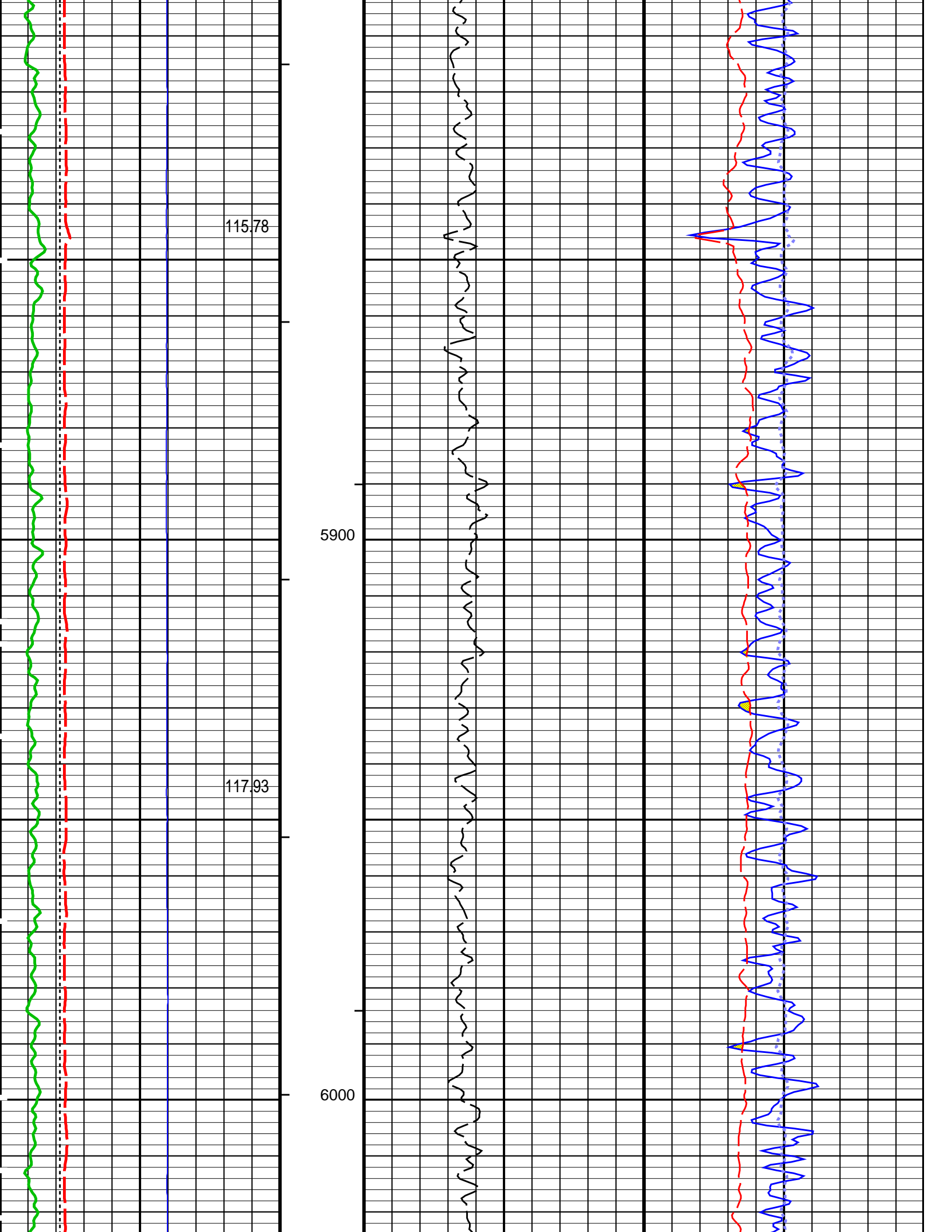


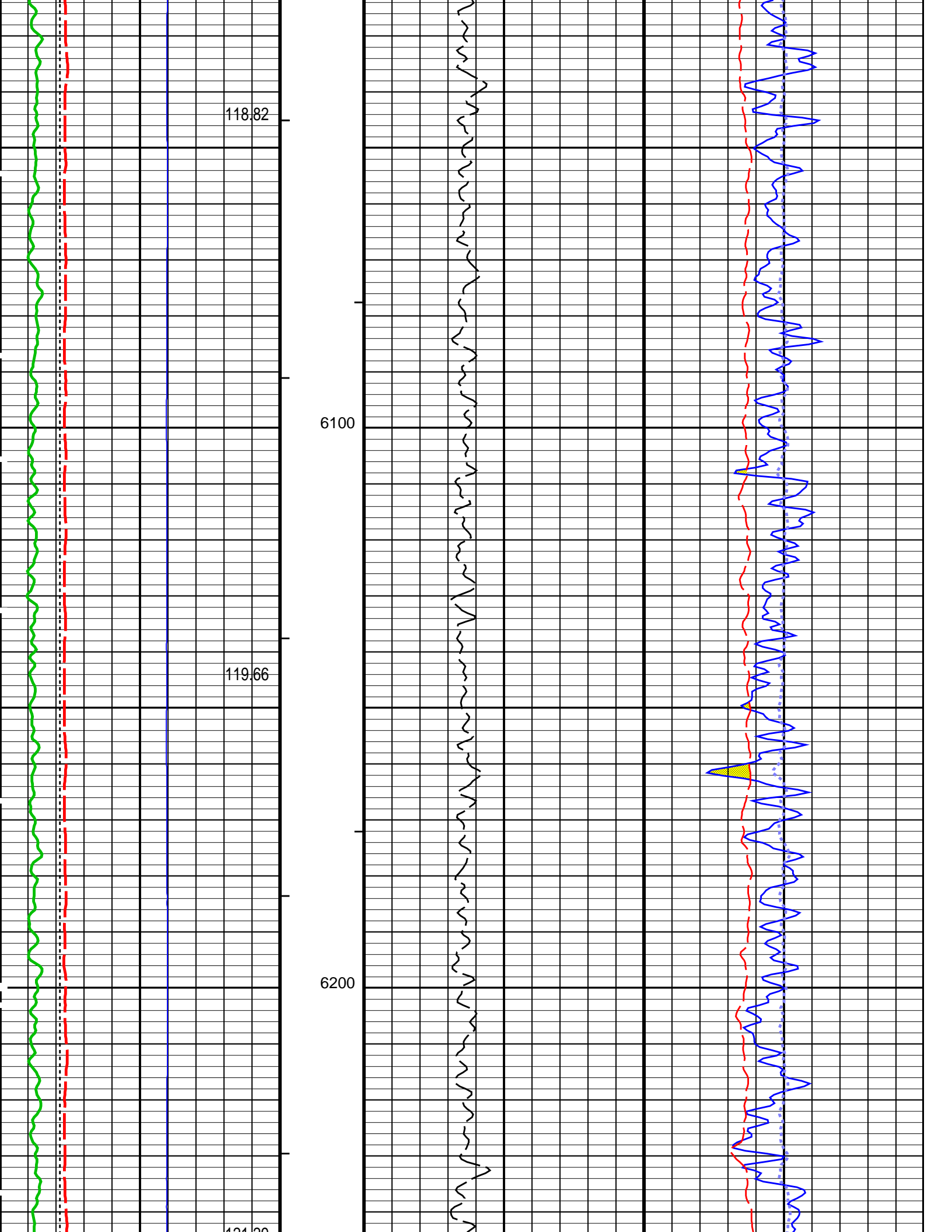


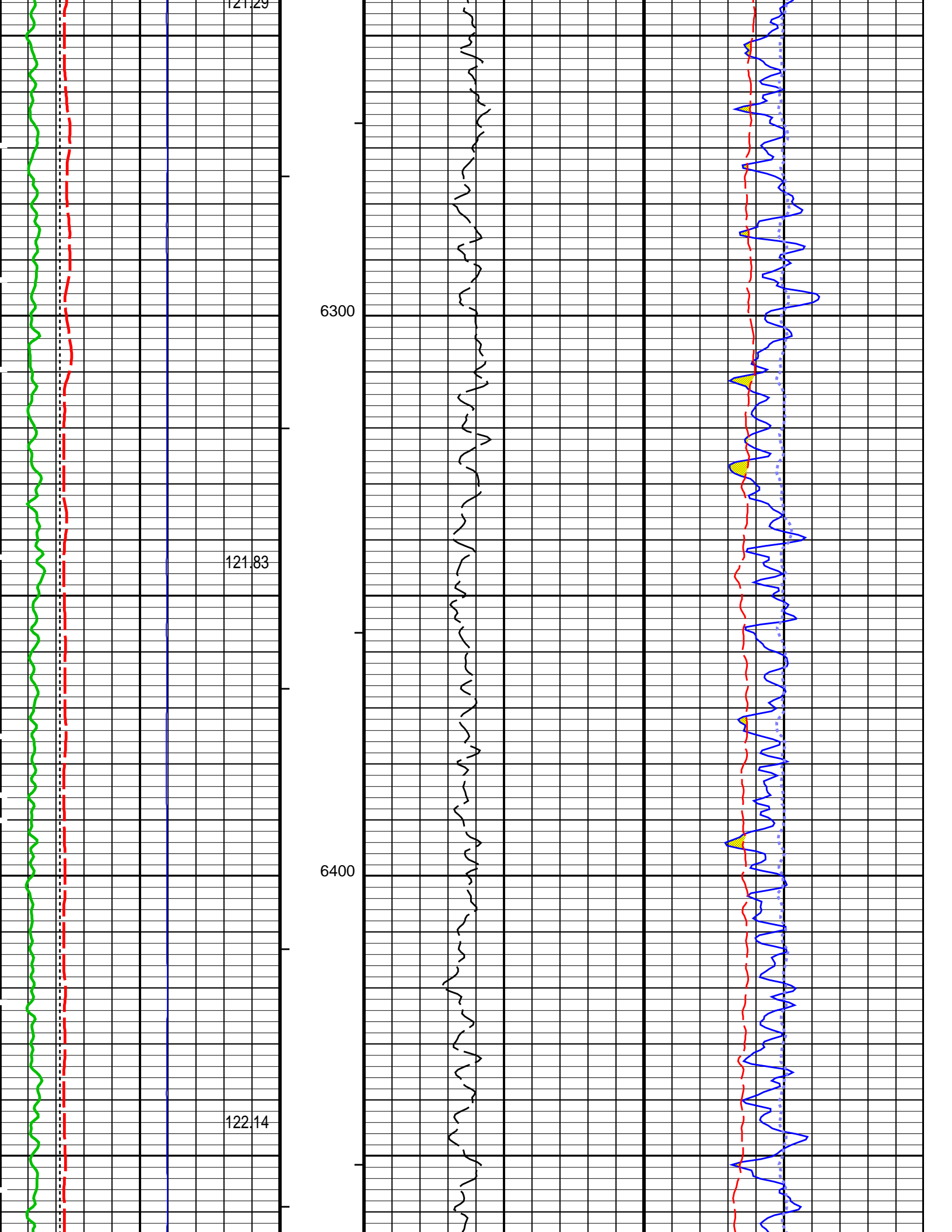


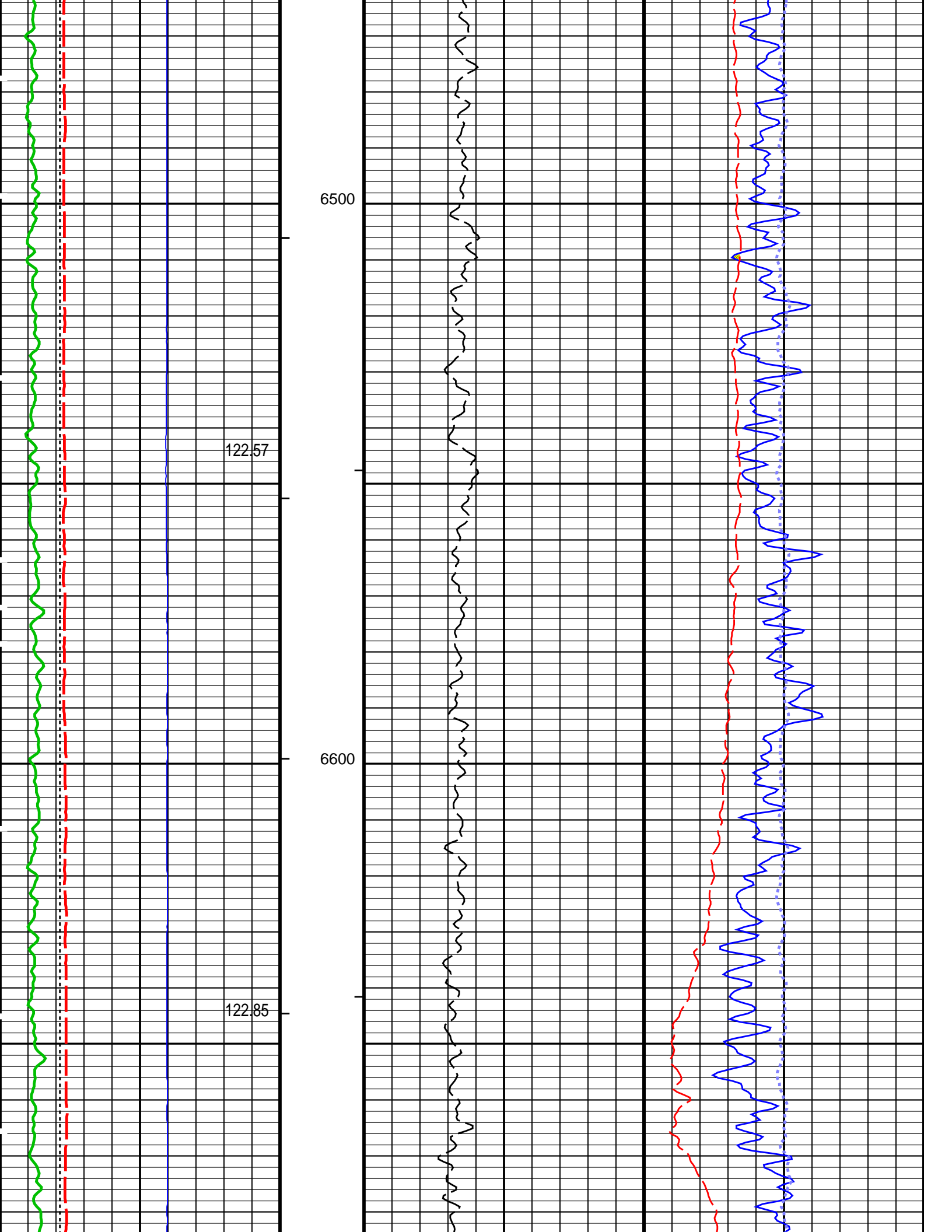


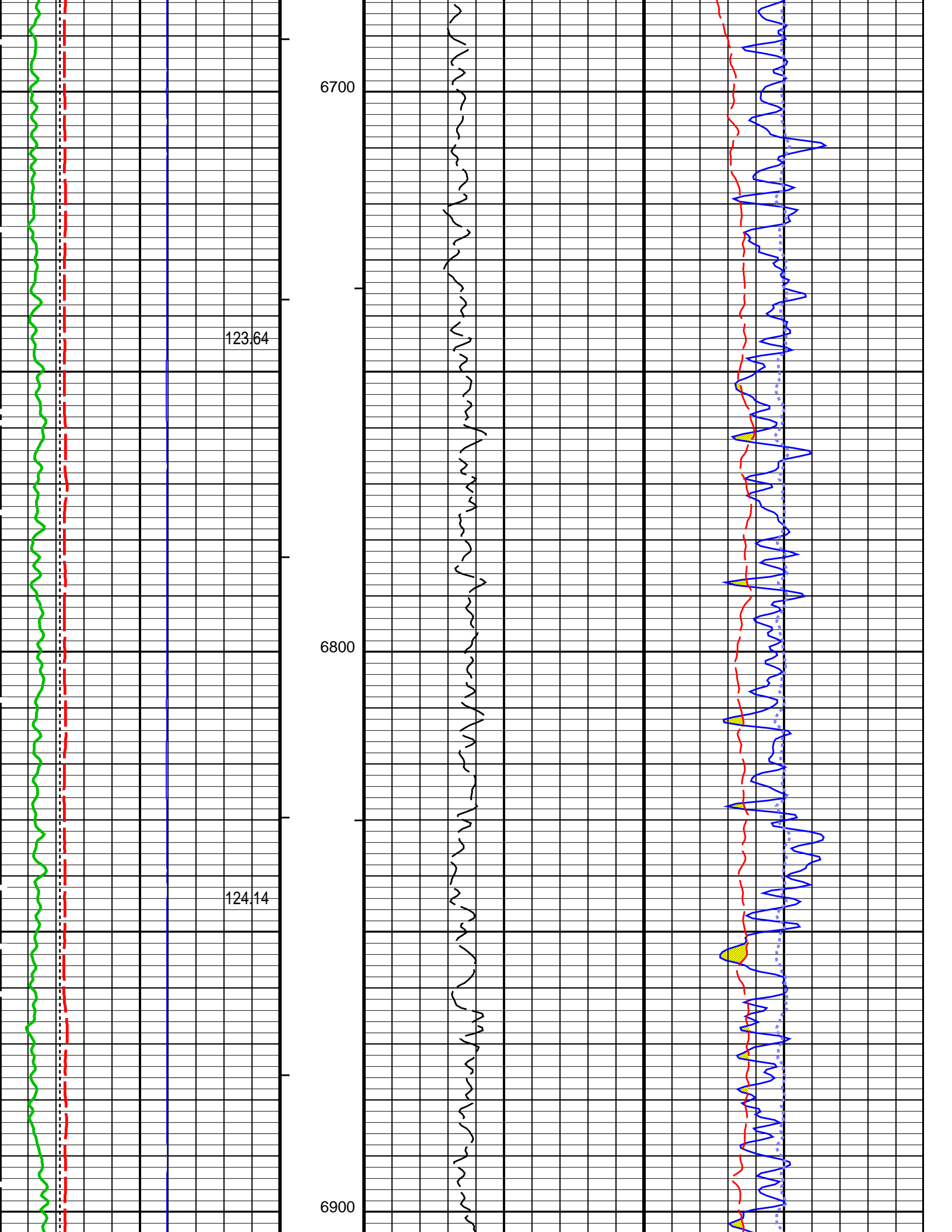


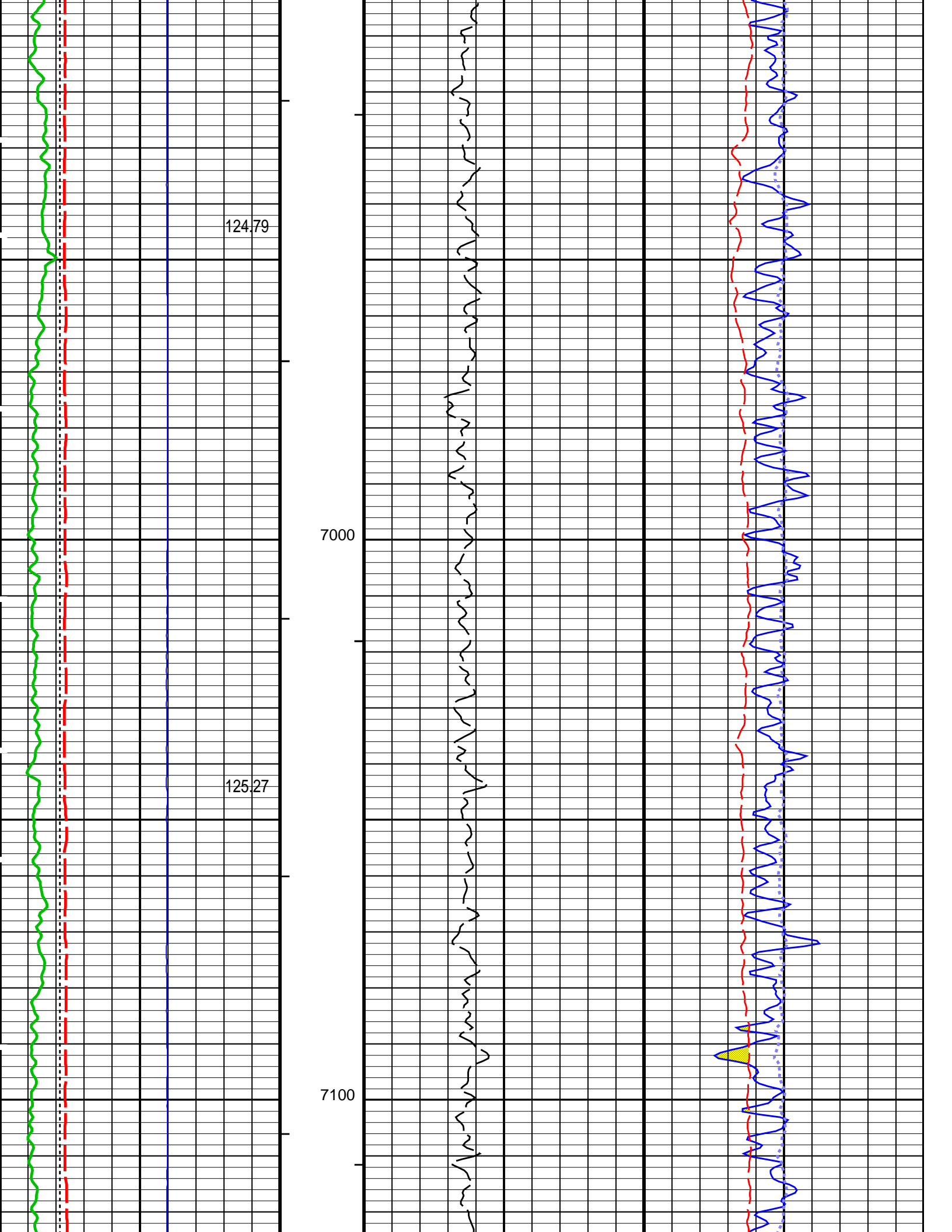


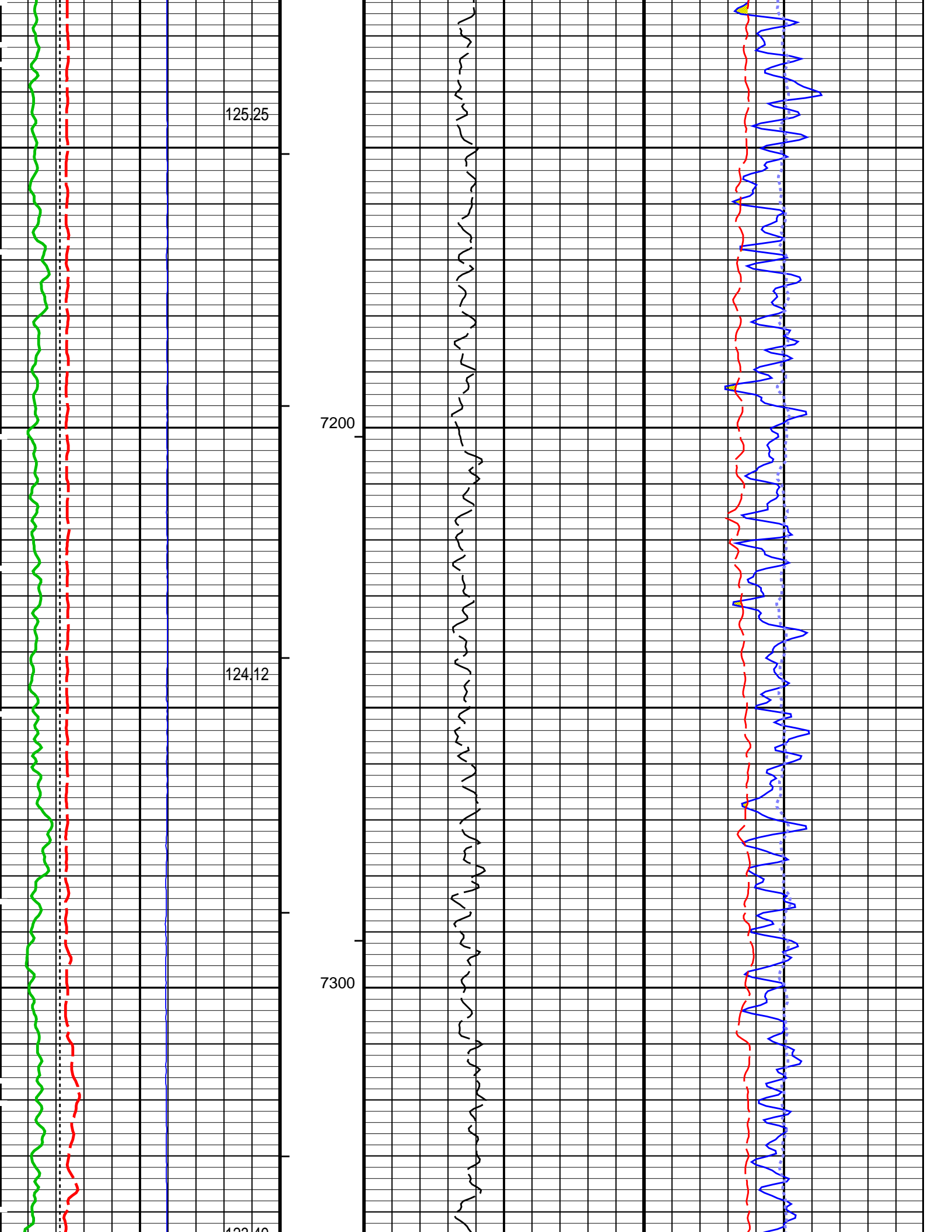


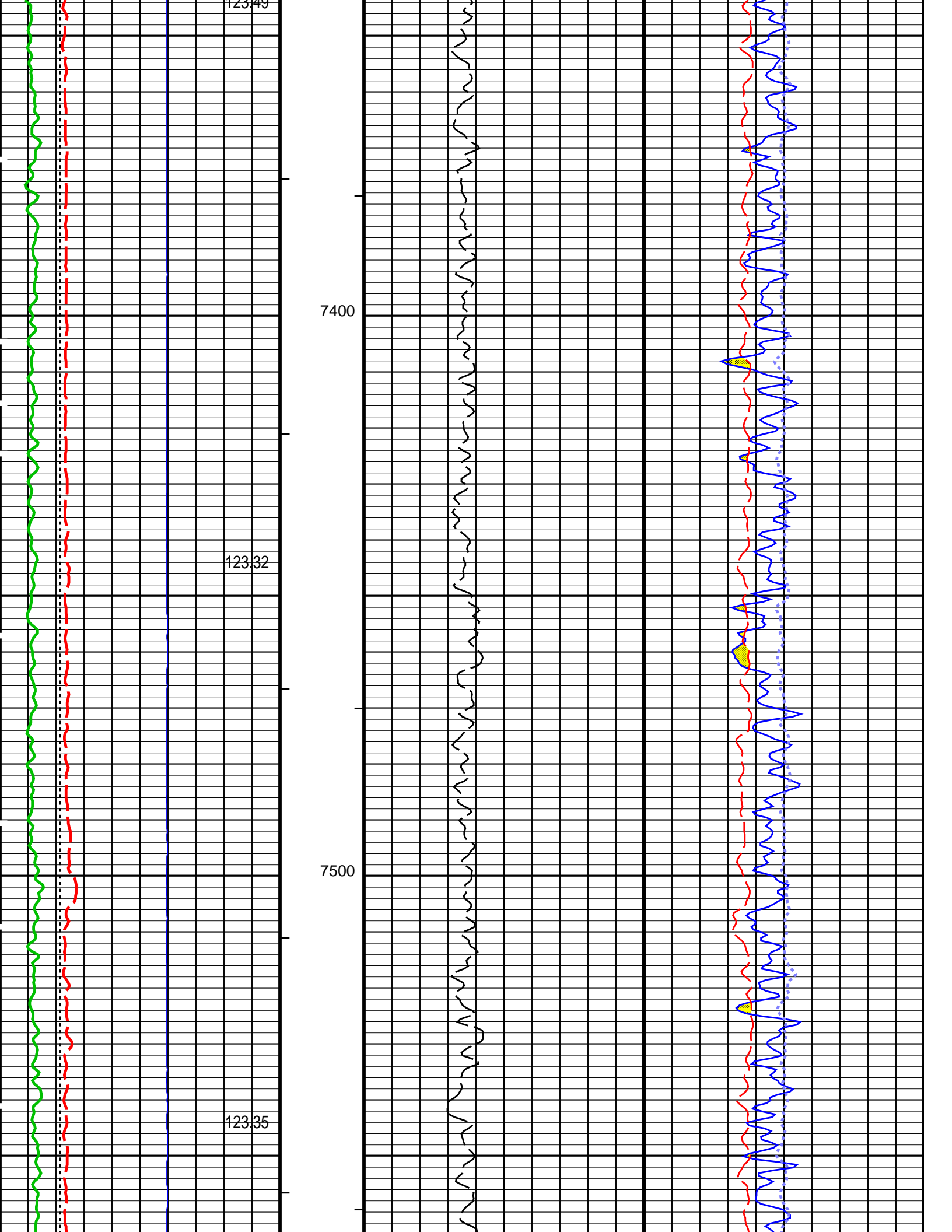


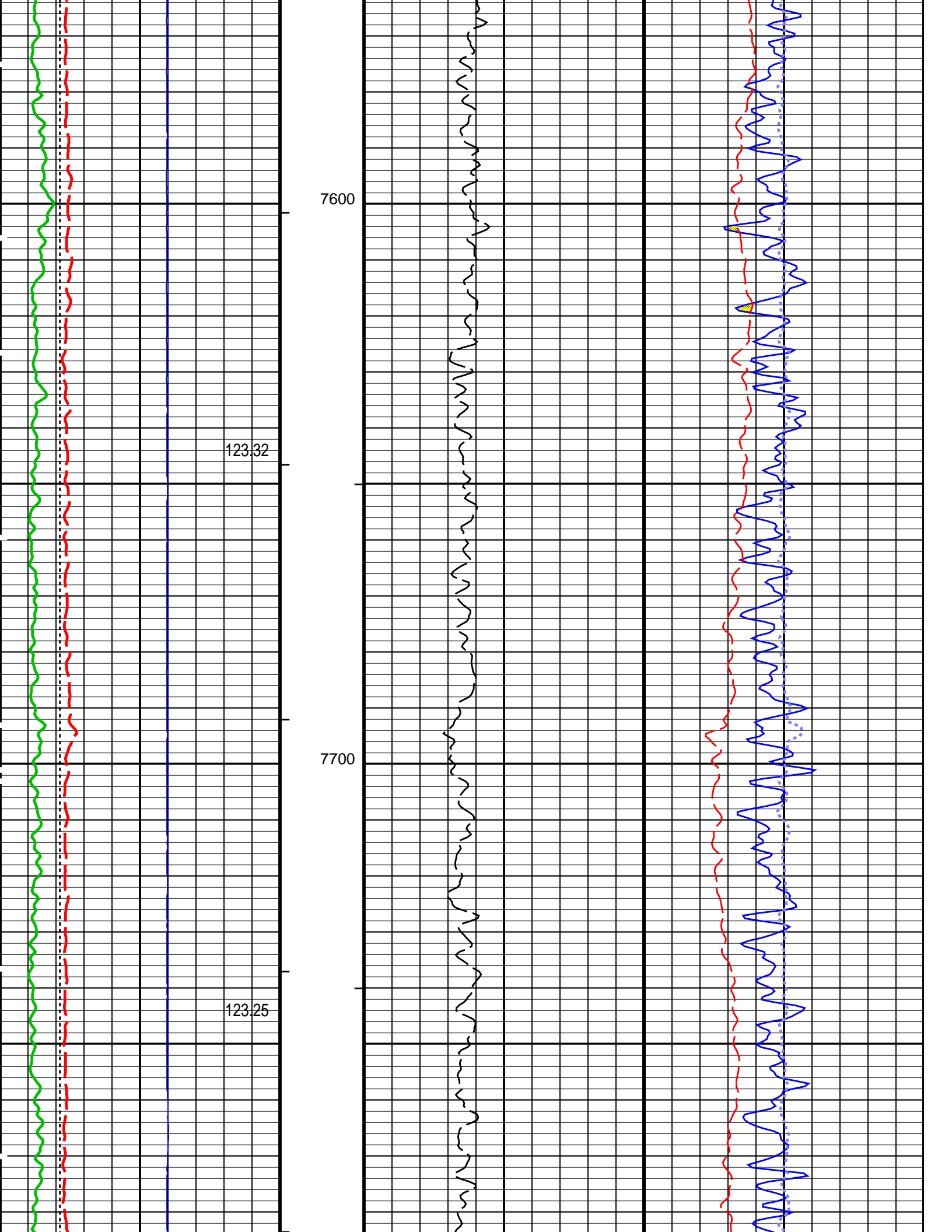


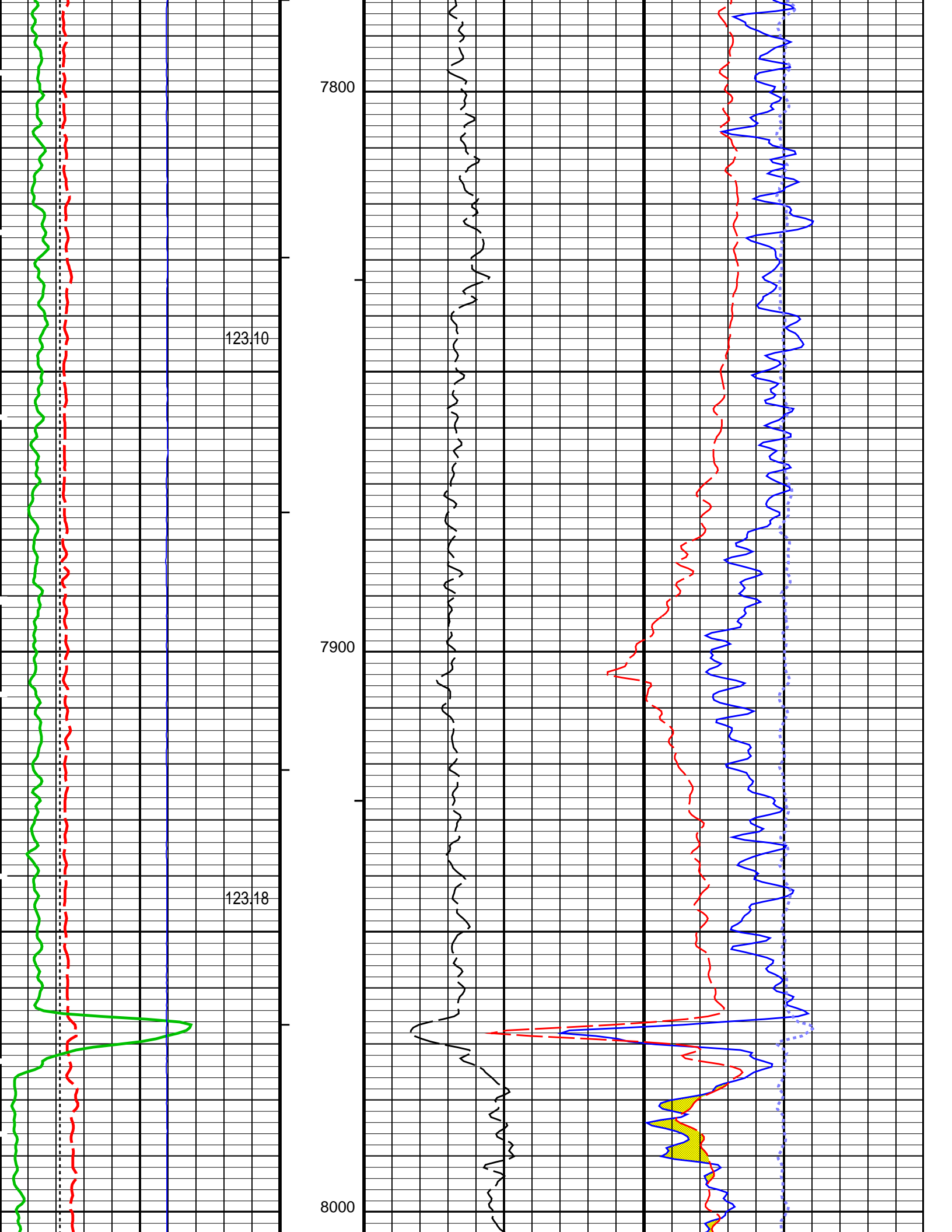


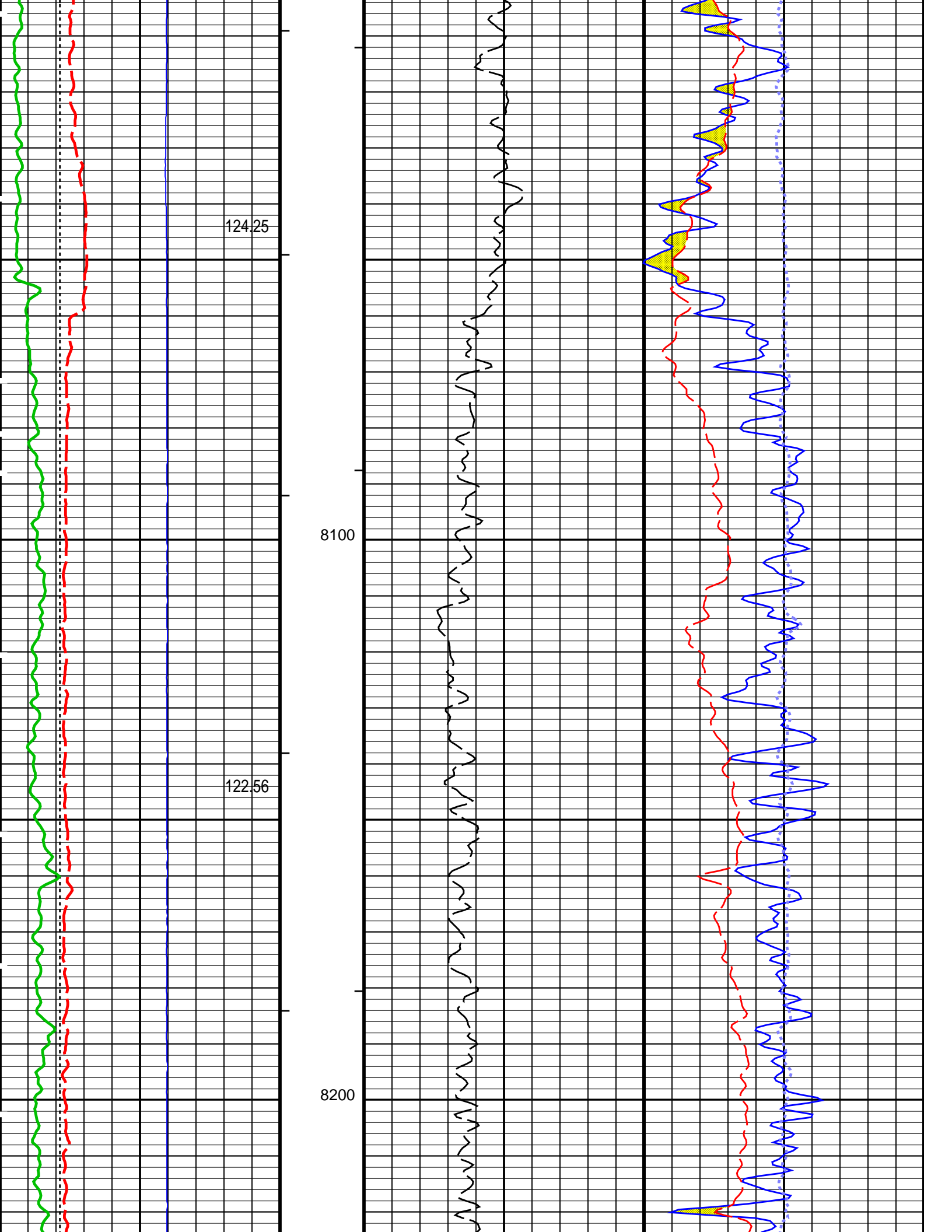


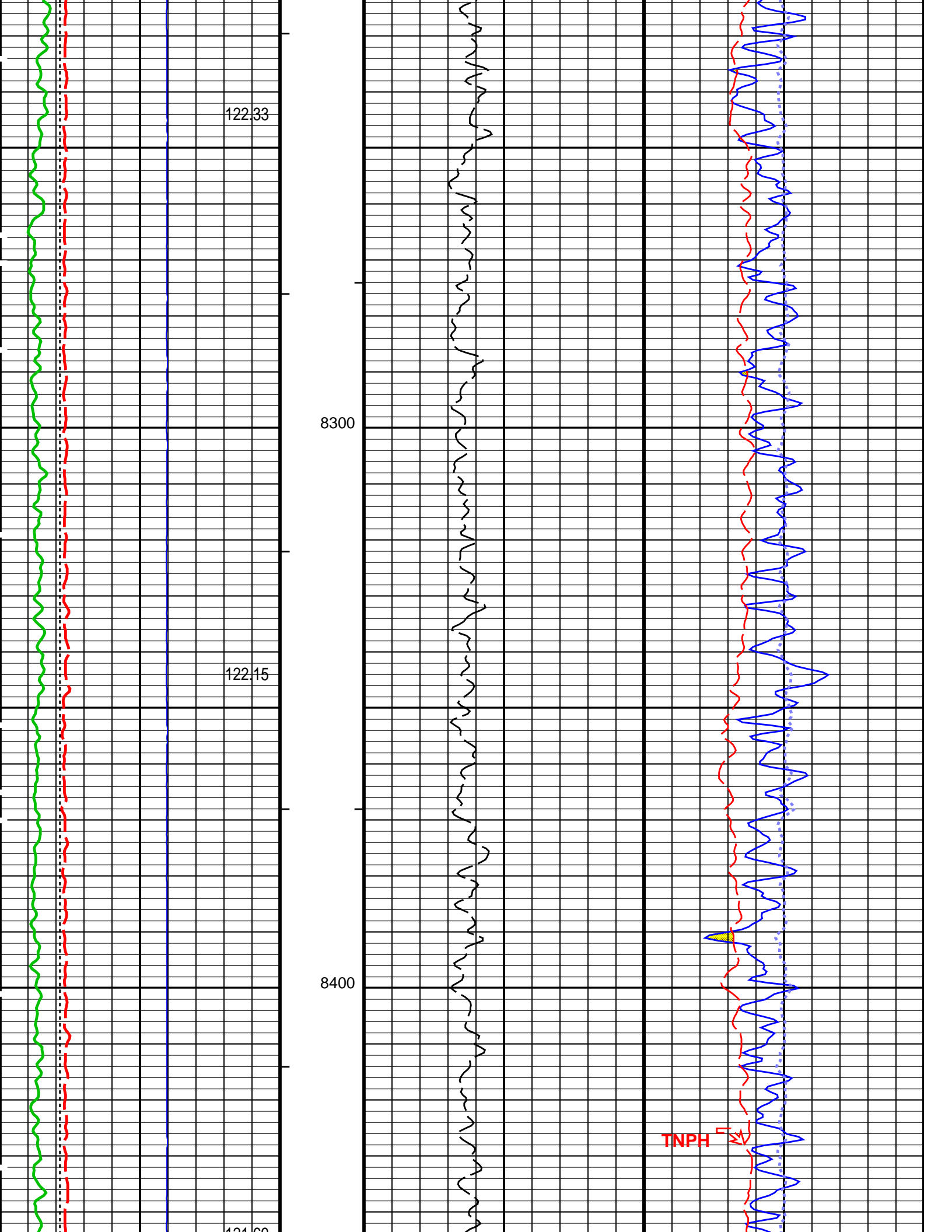


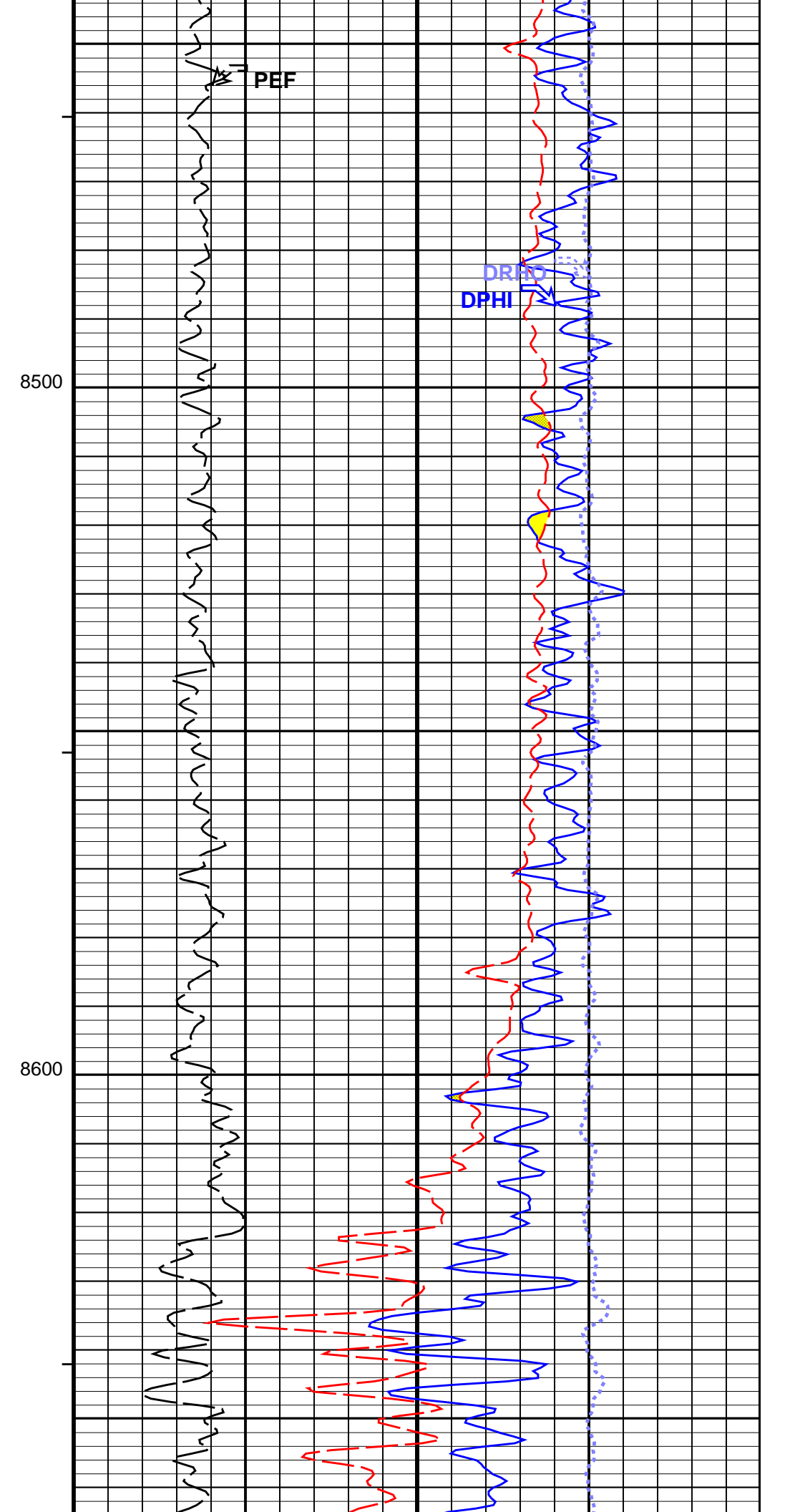
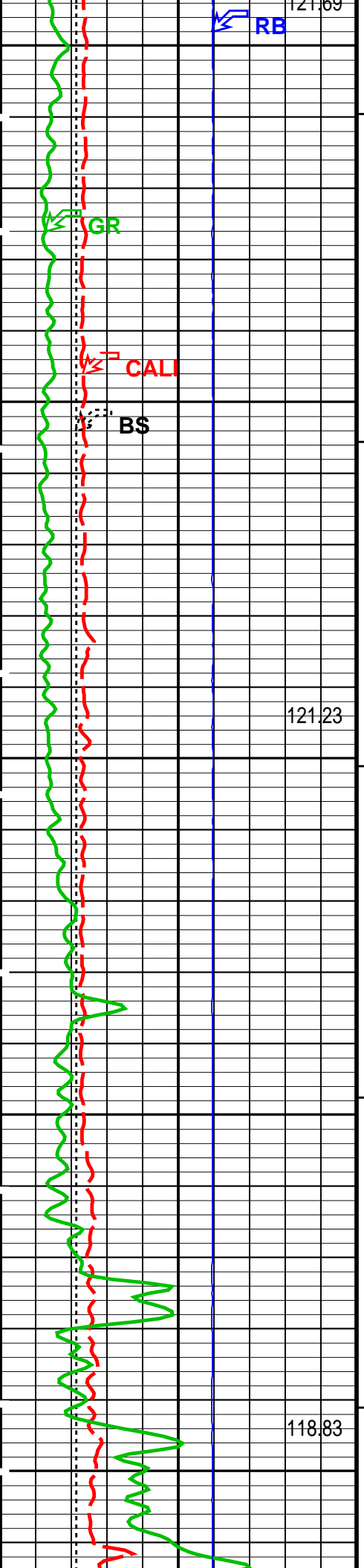


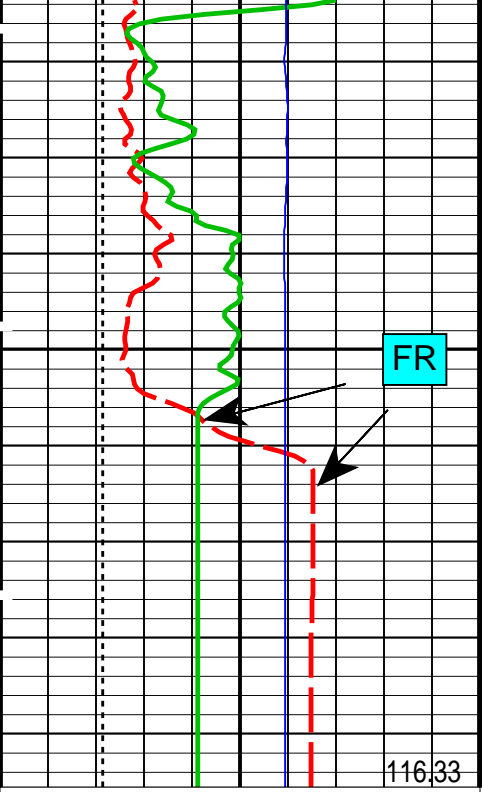




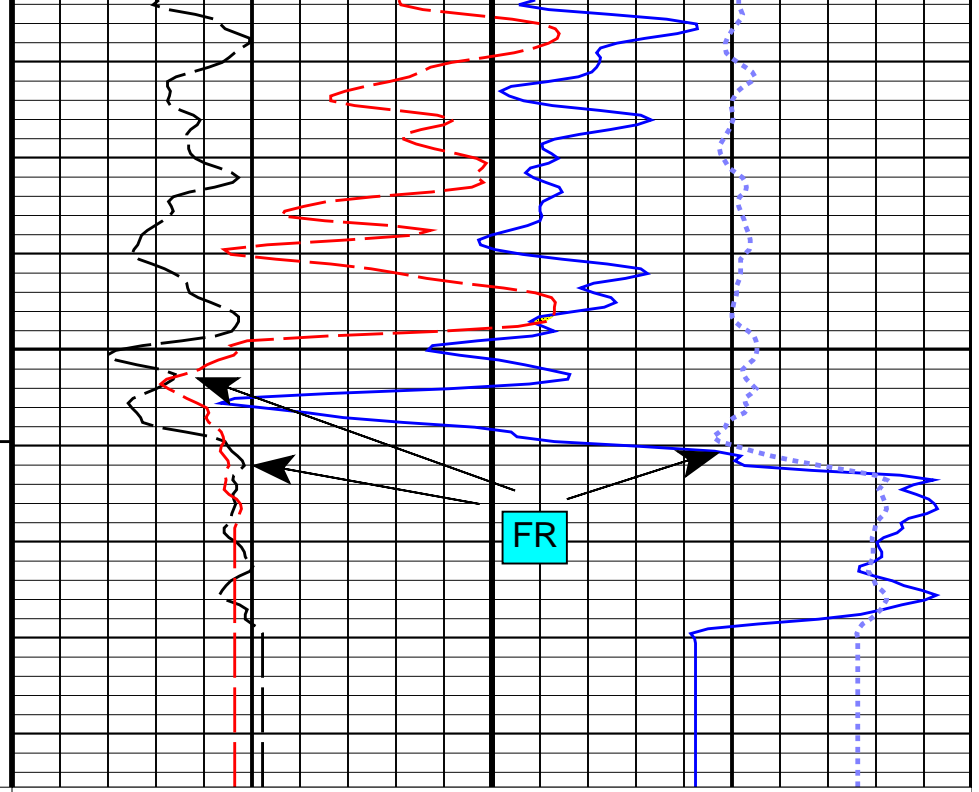








8700



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

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

Parameters

DLIS Name	Description	Value
TBT-A: ThruBit String		
BHS	Borehole Status	OPEN
BSCO	Borehole Salinity Correction Enabled? (for TBN)	No
CSAL	Cement Salinity	0 PPM
CSID	Casing Size I.D.	6.5 IN
DHC	Density Hole Correction	CALIPER
FD	Fluid Density	1 G/C3
FSAL	Formation Salinity	0 PPM
FSCO	Formation Salinity Correction Enabled? (for TBN)	No
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE
MDEN	Matrix Density	2.71 G/C3
MT	Mud Type (for TBN and TBI correction)	WBM
MWCO	Mud Weight Correction Enabled? (for TBN)	No
RB_OFFSET	Additional RB offset (degrees)	0 DEG
SOCO	Stand-Off Correction Enabled? (for TBN)	No
SOFF	TBN Standoff	0 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 %
TBN_ALGO	Porosity Algorithm	Schmid
TBN_BHC_OP	Borehole Correction Option (for TBN)	Caliper
TBN_CAL_TANK	TBN Calibration Tank Type	ThruBit
TBN_FILTER	Filter Length	3_point
TBN_PRES_OP	Pressure Correction Enabled? (for TBN)	No
TBN_TEMP_OP	Temperature Correction Enabled? (for TBN)	No
TBN_WPRE	Well Pressure (for TBN)	0 PSIG
WMUD	Mud Weight	8.4 LB/G
HOLEV: Integrated Hole/Cement Volume		
BHS	Borehole Status	OPEN
FCD	Future Casing (Outer) Diameter	4.5 IN
HVCS	Integrated Hole Volume Caliper Selection	AUTOMATIC
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE
System and Miscellaneous		
BS	Bit Size	6.125 IN
BSAL	Borehole Salinity	1100.00 PPM
CSIZ	Current Casing Size	7.000 IN
DO	Depth Offset for Playback	0.0 FT
PP	Playback Processing	NORMAL
TD	Total Depth	8730 FT

Format: TB_5INCH_NUCLEAR Vertical Scale: 5" per 100' Graphics File Created: 29-Oct-2014 19:00

OP System Version: 19C2-270

TBT-A SRPC-5307-ThruBit

Input DLIS Files

DEFAULT	ThruBit_010PUP	FN:9	PRODUCER	29-Oct-2014 18:44	8745.5 FT	4031.5 FT
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Output DLIS Files

DEFAULT	ThruBit_011PUP	FN:10	PRODUCER	29-Oct-2014 19:00
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CALIBRATIONS

ThruBit String / Equipment Identification

Primary Equipment:

Induction Resistivity
 Density
 Gamma-Ray Logging Source
 Thermal Neutron
 Neutron Logging Source
 Telemetry Memory GR
 Battery
 Battery

TBI - A 19
 TBD - A 46
 GGLS - FZ 3216
 TBN - A 18
 NNLS - EWA 4484
 TMG - A 24
 TBAT - 35
 TBAT - 13

Auxiliary Equipment:

ThruBit String Master Calibration					
TBI Master Calibration Sonde Errors					
Freq 1, A1, R	Value	Nominal	Freq 1, A1, X	Value	Nominal
	-501.175	-457.000		-132.542	300.000
(Minimum) (Nominal) (Maximum)			(Minimum) (Nominal) (Maximum)		
Freq 1, A2, R	Value	Nominal	Freq 1, A2, X	Value	Nominal
	-151.191	-141.000		16.3318	320.000
(Minimum) (Nominal) (Maximum)			(Minimum) (Nominal) (Maximum)		
Freq 1, A3, R	Value	Nominal	Freq 1, A3, X	Value	Nominal
	-29.8364	-28.0000		-48.3363	50.0000
(Minimum) (Nominal) (Maximum)			(Minimum) (Nominal) (Maximum)		
Freq 1, A4, R	Value	Nominal	Freq 1, A4, X	Value	Nominal
	-17.1567	-16.0000		218.068	300.000
(Minimum) (Nominal) (Maximum)			(Minimum) (Nominal) (Maximum)		
Freq 1, A5, R	Value	Nominal	Freq 1, A5, X	Value	Nominal
	-14.2031	-14.0000		114.044	150.000
(Minimum) (Nominal) (Maximum)			(Minimum) (Nominal) (Maximum)		
Freq 2, A1, R	Value	Nominal	Freq 2, A1, X	Value	Nominal
	-264.524	-237.000		-117.857	150.000
(Minimum) (Nominal) (Maximum)			(Minimum) (Nominal) (Maximum)		
Freq 2, A2, R	Value	Nominal	Freq 2, A2, X	Value	Nominal
	-97.7719	-92.0000		-18.7953	160.000
(Minimum) (Nominal) (Maximum)			(Minimum) (Nominal) (Maximum)		
Freq 2, A3, R	Value	Nominal	Freq 2, A3, X	Value	Nominal
	-21.3012	-21.0000		-85.2752	-20.0000
(Minimum) (Nominal) (Maximum)			(Minimum) (Nominal) (Maximum)		
Freq 2, A4, R	Value	Nominal	Freq 2, A4, X	Value	Nominal
	-19.8394	-20.0000		59.2524	100.000
(Minimum) (Nominal) (Maximum)			(Minimum) (Nominal) (Maximum)		
Freq 2, A5, R	Value	Nominal	Freq 2, A5, X	Value	Nominal
	-18.8111	-20.0000		-15.4752	-25.0000
(Minimum) (Nominal) (Maximum)			(Minimum) (Nominal) (Maximum)		
Freq 3, A1, R	Value	Nominal	Freq 3, A1, X	Value	Nominal
	-169.026	-149.000		-157.427	25.0000
(Minimum) (Nominal) (Maximum)			(Minimum) (Nominal) (Maximum)		
Freq 3, A2, R	Value	Nominal	Freq 3, A2, X	Value	Nominal
	-74.1193	-70.0000		-56.4180	70.0000
(Minimum) (Nominal) (Maximum)			(Minimum) (Nominal) (Maximum)		
Freq 3, A3, R	Value	Nominal	Freq 3, A3, X	Value	Nominal
(Minimum) (Nominal) (Maximum)			(Minimum) (Nominal) (Maximum)		

-23.0000 (Minimum)	(Nominal)	-11.0000 (Maximum)	-17.0567	-300.000 (Minimum)	(Nominal)	125.000 (Maximum)	-122.429	-90.0000
Freq 3, A4, R		Value	Nominal	Freq 3, A4, X		Value	Nominal	
		-21.0103	-22.0000			-47.1540	-50.0000	
-31.0000 (Minimum)	(Nominal)	-11.0000 (Maximum)		-200.000 (Minimum)	(Nominal)	100.000 (Maximum)		
Freq 3, A5, R		Value	Nominal	Freq 3, A5, X		Value	Nominal	
		-21.0473	-22.0000			-110.211	-110.000	
-32.0000 (Minimum)	(Nominal)	-11.0000 (Maximum)		-250.000 (Minimum)	(Nominal)	0 (Maximum)		
Freq 4, A1, R		Value	Nominal	Freq 4, A1, X		Value	Nominal	
		-93.5993	-80.0000			-260.416	-190.000	
-128.000 (Minimum)	(Nominal)	-54.0000 (Maximum)		-450.000 (Minimum)	(Nominal)	75.0000 (Maximum)		
Freq 4, A2, R		Value	Nominal	Freq 4, A2, X		Value	Nominal	
		-54.0924	-50.0000			-122.848	-75.0000	
-80.0000 (Minimum)	(Nominal)	-41.0000 (Maximum)		-200.000 (Minimum)	(Nominal)	50.0000 (Maximum)		
Freq 4, A3, R		Value	Nominal	Freq 4, A3, X		Value	Nominal	
		-13.7423	-14.0000			-191.764	-190.000	
-19.0000 (Minimum)	(Nominal)	-8.00000 (Maximum)		-350.000 (Minimum)	(Nominal)	-25.0000 (Maximum)		
Freq 4, A4, R		Value	Nominal	Freq 4, A4, X		Value	Nominal	
		-23.8896	-25.0000			-205.910	-235.000	
-37.0000 (Minimum)	(Nominal)	-11.0000 (Maximum)		-400.000 (Minimum)	(Nominal)	-75.0000 (Maximum)		
Freq 4, A5, R		Value	Nominal	Freq 4, A5, X		Value	Nominal	
		-26.3873	-28.0000			-268.933	-300.000	
-43.0000 (Minimum)	(Nominal)	-12.0000 (Maximum)		-475.000 (Minimum)	(Nominal)	-100.000 (Maximum)		
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ThruBit String Master Calibration								
TBI Master Calibration COMPLEX GAINS								
Freq 1, R		Value	Nominal	Freq 1, X		Value	Nominal	
		1.007	1.000			-0.01592	0	
		0.9934	1.000			0.0002760	0	
		0.9967	1.000			-0.007775	0	
		0.9876	1.000			0.002827	0	
		0.9944	1.000			0.0007001	0	
0.9500 (Minimum)	(Nominal)	1.050 (Maximum)		-0.05000 (Minimum)	(Nominal)	0.05000 (Maximum)		
Freq 2, R		Value	Nominal	Freq 2, X		Value	Nominal	
		1.002	1.000			-0.01924	0	
		0.9876	1.000			-0.007856	0	
		0.9851	1.000			-0.008198	0	
		0.9827	1.000			-0.005510	0	
		0.9920	1.000			-0.008001	0	
0.9500 (Minimum)	(Nominal)	1.050 (Maximum)		-0.05000 (Minimum)	(Nominal)	0.05000 (Maximum)		
Freq 3, R		Value	Nominal	Freq 3, X		Value	Nominal	
		1.009	1.000			-0.01504	0	
		0.9947	1.000			-0.005868	0	
		0.9921	1.000			-0.006617	0	
		0.9884	1.000			-0.004212	0	
		1.001	1.000			-0.006129	0	
0.9500 (Minimum)	(Nominal)	1.050 (Maximum)		-0.05000 (Minimum)	(Nominal)	0.05000 (Maximum)		
Freq 4, R		Value	Nominal	Freq 4, X		Value	Nominal	

Freq 4, R		Value	Nominal	Freq 4, X		Value	Nominal
		1.006	1.000			-0.02628	0
		0.9912	1.000			-0.01994	0
		0.9906	1.000			-0.02261	0
		0.9848	1.000			-0.01839	0
		1.010	1.000			-0.02268	0
0.9300 (Minimum)	(Nominal)	1.070 (Maximum)		-0.05000 (Minimum)	(Nominal)	0.05000 (Maximum)	

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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		
		1839.7	1949.8			1997.4	2096.7			
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. Be Window, ThruBit blocks						
Aluminium Density G/C3		Value	Nominal	Magnesium Density G/C3		Nominal
		2.607	2.607			1.752
2.557 (Minimum)	(Nominal)	2.657 (Maximum)		1.702 (Minimum)	(Nominal)	1.802 (Maximum)
LS1 Background CPS		Value	Nominal	SS1 Background CPS		Nominal
		135.35	140.00			131.27
100.00 (Minimum)	(Nominal)	187.00 (Maximum)		100.00 (Minimum)	(Nominal)	185.00 (Maximum)
LS4 Background CPS		Value	Nominal	SS1 Aluminium CPS		Nominal
		27.40	29.00			4585.01
20.00 (Minimum)	(Nominal)	38.00 (Maximum)		4076.00 (Minimum)	(Nominal)	5613.00 (Maximum)
LS1 Aluminium CPS		Value	Nominal	SS1 Magnesium CPS		Nominal
		838.37	870.00			7584.28
750.00 (Minimum)	(Nominal)	982.00 (Maximum)		6695.00 (Minimum)	(Nominal)	9269.00 (Maximum)
LS4 Aluminium CPS		Value	Nominal			
		985.03	955.00			
796.00 (Minimum)	(Nominal)	1169.0 (Maximum)				
LS1 Al + Sleeve CPS		Value	Nominal			
		761.81	725.00			
650.00 (Minimum)	(Nominal)	838.00 (Maximum)				
LS4 Al + Sleeve CPS		Value	Nominal			
		494.43	426.50			
382.00 (Minimum)	(Nominal)	638.00 (Maximum)				
LS1 Magnesium CPS		Value	Nominal			
		5472.93	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			
		0.4187	0.4150			
0.3800 (Minimum)	(Nominal)	0.4500 (Maximum)				
Pef K Factor		Value	Nominal			
		4.917	4.840			
3.510 (Minimum)	(Nominal)	6.170 (Maximum)				

(Minimum)	(Nominal)	(Maximum)		
Pef B Factor		Value	Nominal	
		-0.6856	-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	
		0.15	1.0		
0 (Minimum)	(Nominal)	2.0 (Maximum)		0 (Minimum)	(Nominal)
TNF, Tank CPS		Value	Nominal	TNN, Tank CPS	
		80.85	96.00		
25.00 (Minimum)	(Nominal)	200.0 (Maximum)		750.00 (Minimum)	(Nominal)
TNF, Tank + Al Sleeve CPS		Value	Nominal	TNN, Tank + Al Sleeve CPS	
		2679.5	3040.0		
727.00 (Minimum)	(Nominal)	6080.0 (Maximum)		8000.00 (Minimum)	(Nominal)
Tank + Al Sleeve Ratio		Value	Nominal	Tank + Al Sleeve Porosity PU	
		10.713	10.797		
10.300 (Minimum)	(Nominal)	11.300 (Maximum)		13.40 (Minimum)	(Nominal)
Tank, Ratio		Value	Nominal	Tank, Temperature DEGF	
		30.261	30.958		
28.000 (Minimum)	(Nominal)	34.000 (Maximum)		20.0 (Minimum)	(Nominal)

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ThruBit String Master Calibration					
TMG Accelerometer Calibration					
Minimum Ax, m/s2		Value	Nominal	Maximum Ax, m/s2	
	NOT DONE	N/A	-9.810		NOT DONE
-10.81 (Minimum)	(Nominal)	-8.810 (Maximum)		8.810 (Minimum)	(Nominal)
Minimum Ay, m/s2		Value	Nominal	Maximum Ay, m/s2	
	NOT DONE	N/A	-9.810		NOT DONE
-10.81 (Minimum)	(Nominal)	-8.810 (Maximum)		8.810 (Minimum)	(Nominal)
Minimum Az, m/s2		Value	Nominal	Maximum Az, m/s2	
	NOT DONE	N/A	0		NOT DONE
-1.000 (Minimum)	(Nominal)	1.000 (Maximum)		8.810 (Minimum)	(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	
		25.34	30.00		
0 (Minimum)	(Nominal)	120.0 (Maximum)		133.4 (Minimum)	(Nominal)

Master: 5-Aug-2014 14:42

Company: **SANDRIDGE ENERGY**

Schlumberger

Well: **JOYCE 3406 2-27H**

Field: **STOHRVILLE**

County: **HARPER**

State: **KANSAS**

SPECTRAL DENSITY
DUAL SPACE NEUTRON
MEMORY LOG