



Potassium										
Environmental data										
GR										
Mud weight	ppg	8.5	8.5							
Bit size	in.	9.875	9.875							
Resistivity										
Neutron porosity										
Hole Size	in.	9.875	9.875							
Mud weight	ppg	8.5	8.5							
Temperature	°C	31.37	7.84							
Mud salinity										
Formation salinity										
Recording rate 1	SEC	GR/Res/10								
Recording rate 2	SEC	Neu/Den/10								
Filtering GR		3 pt								
Filtering density		3 pt								
Filtering Neutron		3 pt								
Company representative		Dave Goldberg	Sanny Saito							
Anadrill personnel		N. Thaiprasert	Gary Ong							

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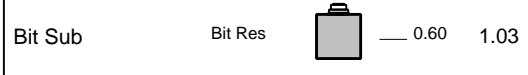
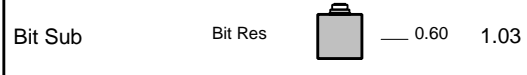
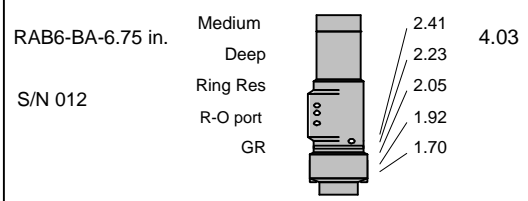
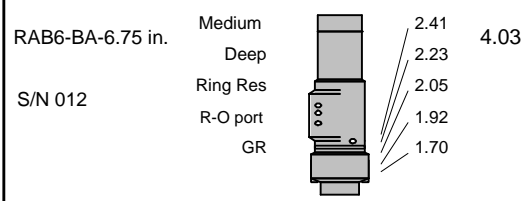
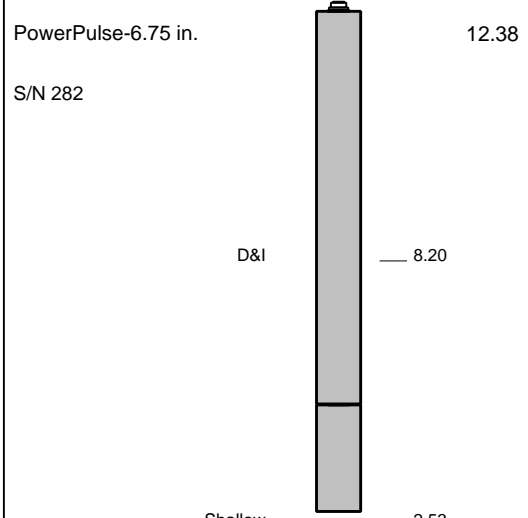
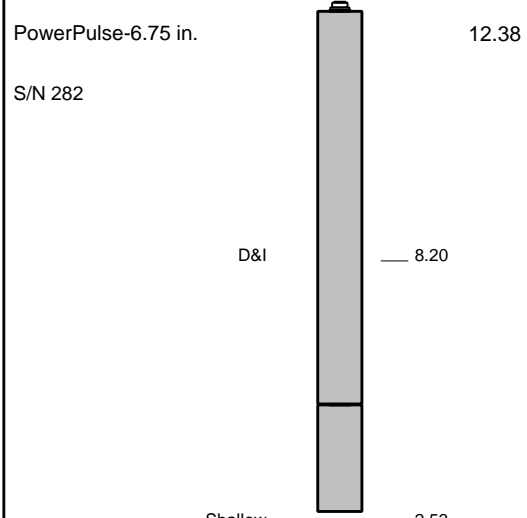
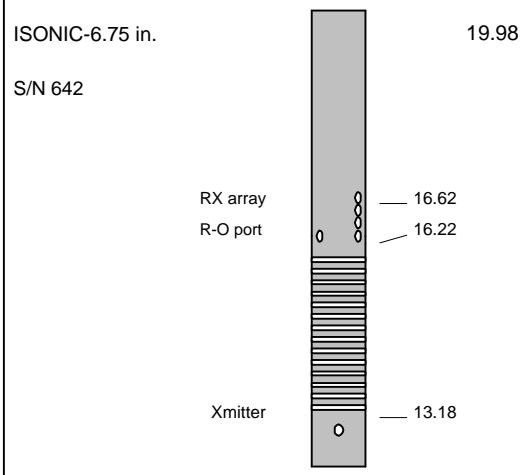
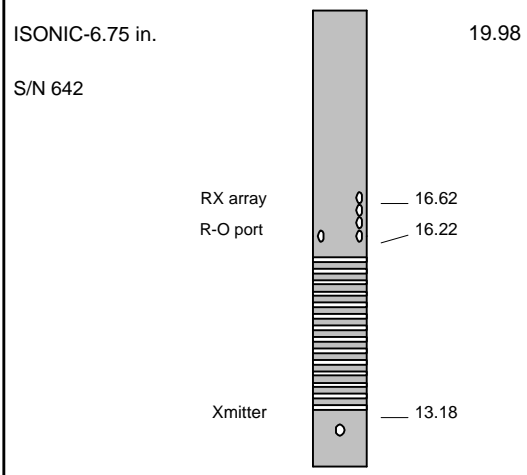
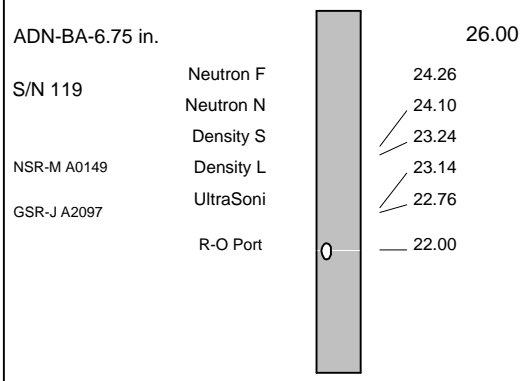
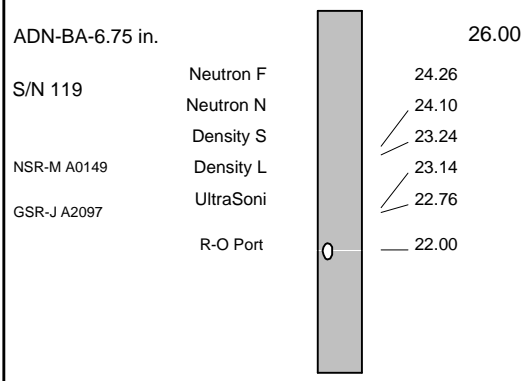
OTHER SERVICES FOR RUN 1 This is for Site 1173-B.	OTHER SERVICES FOR RUN 2 This is for Site 1173-C.	OTHER SERVICES FOR RUN
REMARKS: RUN NUMBER 1 Depth reference is Driller's depth.  Sensor offsets and tools' serial number are described on the toolsketch below.  Gamma Ray measurement is corrected for mud weight and bit size.  RING_resistivity measurement are environmentally corrected.  BIT_resistivity is good for qualitative interpretation only.  Neutron Porosity is environmentally corrected for mud salinity, matrix density, temperature, bit size and tool size.  Maximum bottom hole temperature was 31.37°C.  ROP was slowed down to approximately 30 m/hr from 5152 m to 5252 m.  Total depth was 5539 m.	REMARKS: RUN NUMBER 2 Depth reference is Driller's depth.  Sensor offsets and tools' serial number are described on the toolsketch below.  Gamma Ray measurement is corrected for mud weight and bit size.  RING_resistivity measurement are environmentally corrected.  BIT_resistivity is good for qualitative interpretation only.  Neutron Porosity is environmentally corrected for mud salinity, matrix density, temperature, bit size and tool size.  Maximum bottom hole temperature was 7.84°C.  Total depth was 4976 m.	REMARKS: RUN NUMBER

**EQUIPMENT DESCRIPTION**

RUN1	RUN2	RUN

DOWNHOLE EQUIPMENT

DOWNHOLE EQUIPMENT



MAXIMUM STRING DIAMETER 9.875 in.

MAXIMUM STRING DIAMETER 9.875 in.

ALL LENGTHS IN METERS

ALL LENGTHS IN METERS

# IDEAL Version: ID6\_1C\_08

IDF

RAB id6\_1c\_08

Format: RAB ADN 1:200 Vertical Scale: 1:200

Graphics File Created: 19-May-2001 19:46

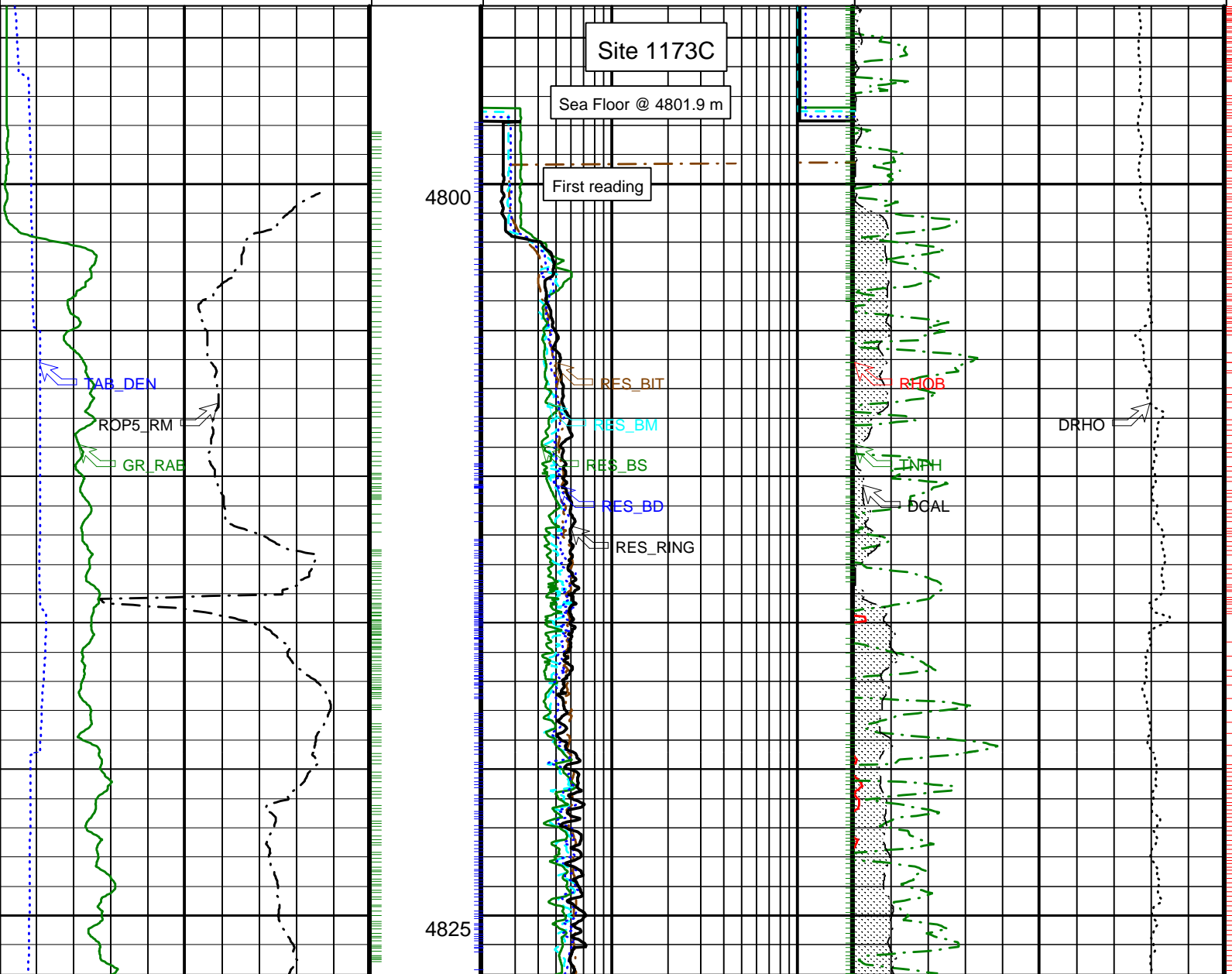
## PIP SUMMARY

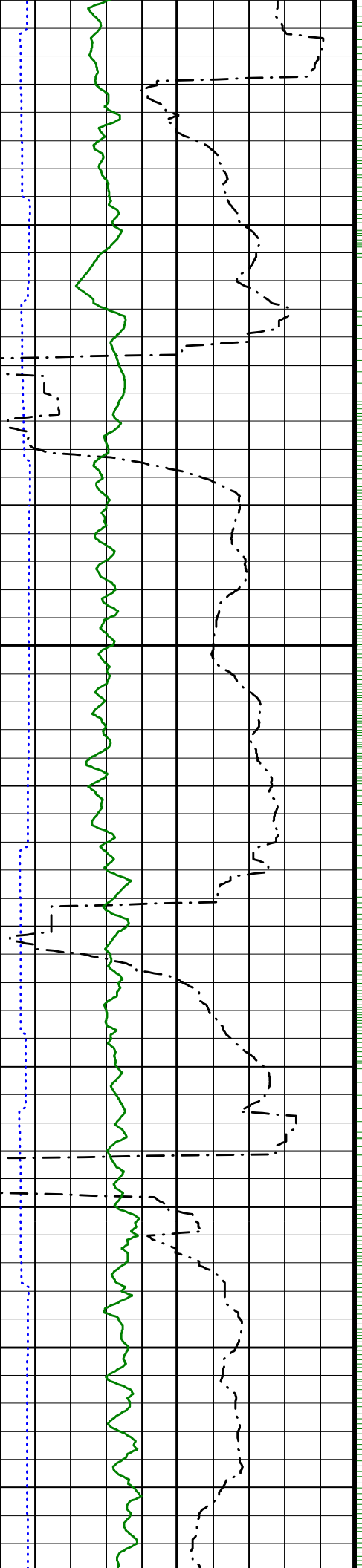
Density Ticks, 0.1-ft

Neutron Ticks, 0.1-ft

Gamma Ray Samples  
RAB samples

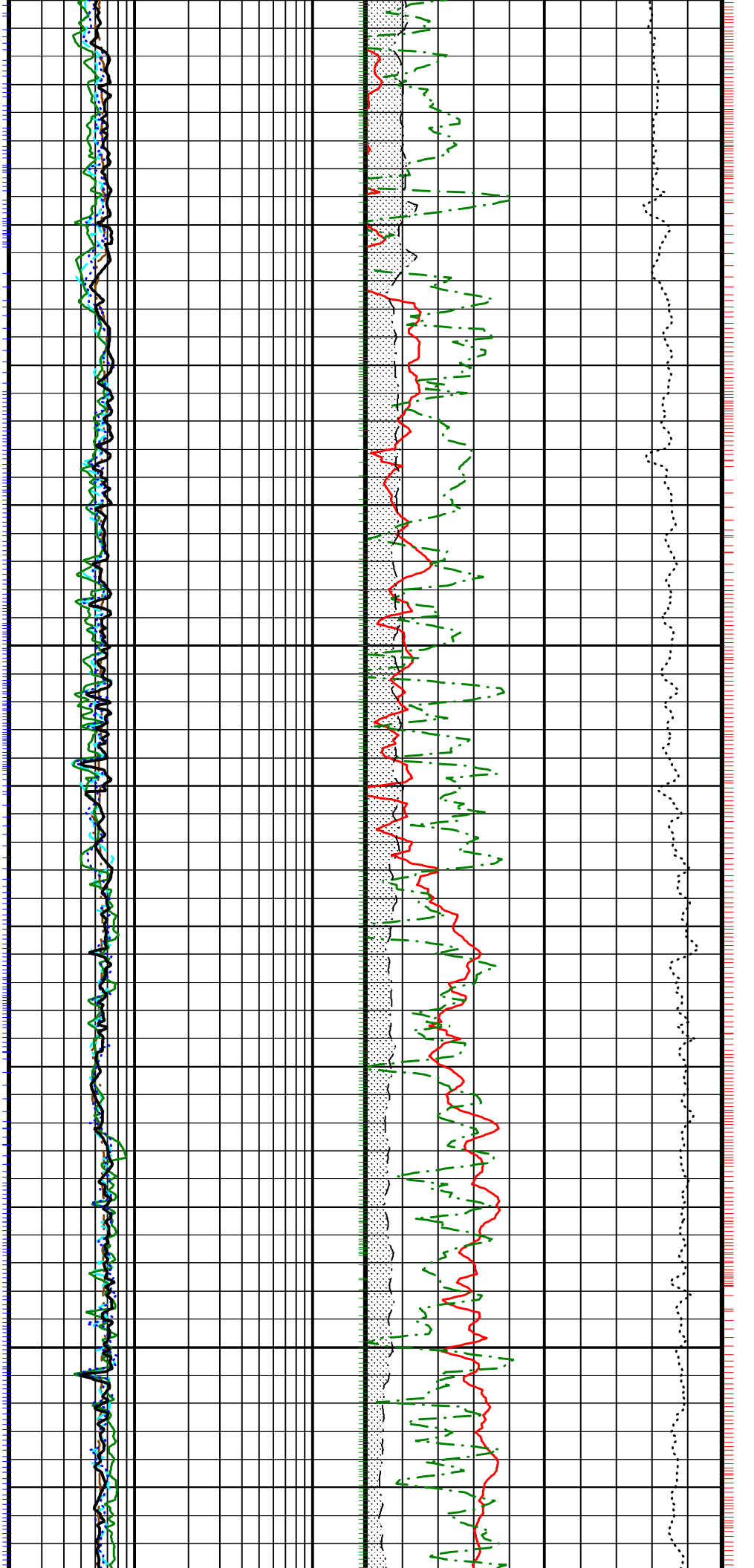
	<b>Ring Resistivity (RES_RING)</b> 0.2 (OHMM) 20	
Rate of Penetration, Averaged over Last 5ft (ROP5_RM) 500 (F/HR) 0	Deep Button Resistivity (RES_BD) 0.2 (OHMM) 20	Differential Caliper (DCAL) 0 (IN) 20
RAB Gamma Ray (GR_RAB) 0 (GAPI) 150	Shallow Button Resistivity (RES_BS) 0.2 (OHMM) 20	Thermal Neutron Porosity (TNPH) 75 (PU) 15
Density Time After Bit (TAB_DEN) 0 (HR) 10	Medium Button Resistivity (RES_BM) 0.2 (OHMM) 20	Bulk Density Correction (DRHO) -0.8 (G/C3) 0.2
	Bit Resistivity (RES_BIT) 0.2 (OHMM) 20	Bulk Density (RHOB) 1.4 (G/C3) 2.4

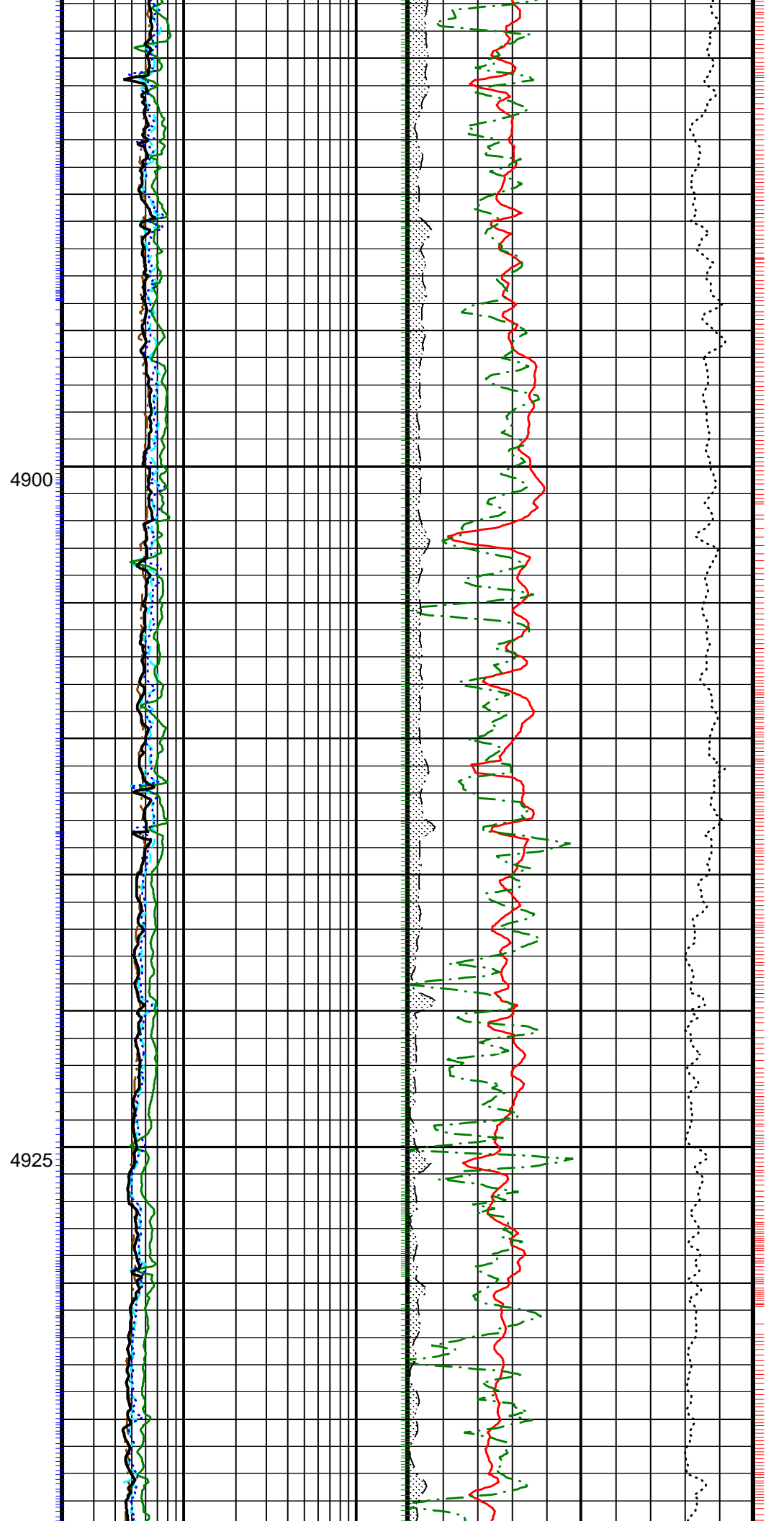
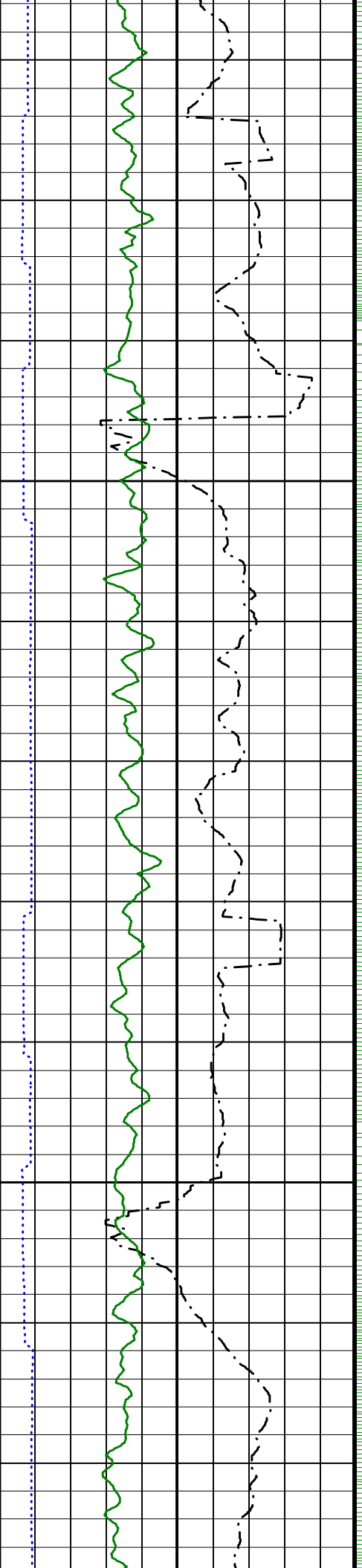


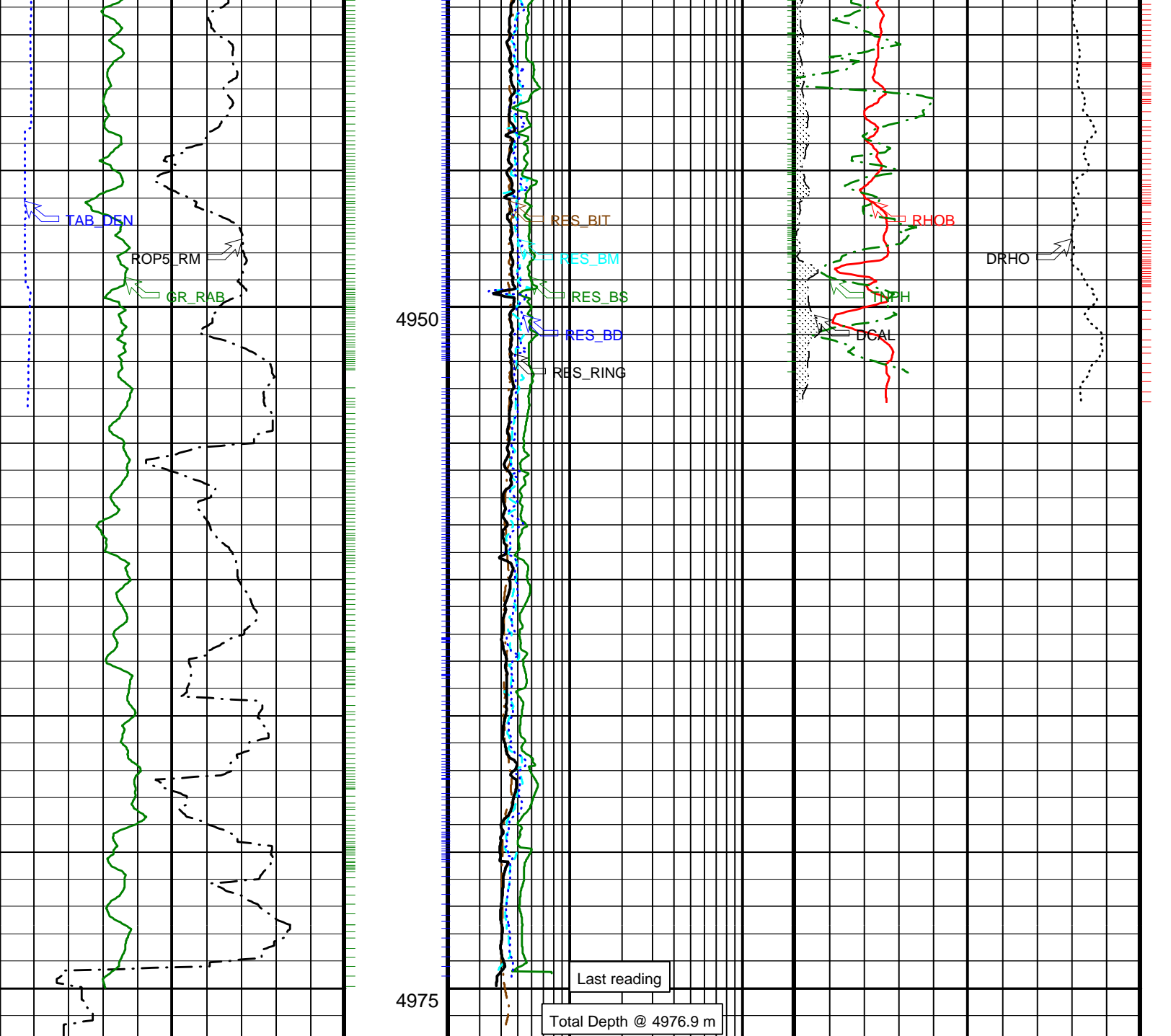


4850

4875







Density Time After Bit (TAB_DEN) (HR)	Bit Resistivity (RES_BIT) (OHMM)	Bulk Density (RHOB) (G/C3)
RAB Gamma Ray (GR_RAB) (GAPI)	Medium Button Resistivity (RES_BM) (OHMM)	Bulk Density Correction (DRHO) (G/C3)
Rate of Penetration, Averaged over Last 5ft (ROP5_RM) (F/HR)	Shallow Button Resistivity (RES_BS) (OHMM)	Thermal Neutron Porosity (TNPH) (PU)
	Deep Button Resistivity (RES_BD) (OHMM)	Differential Caliper (DCAL) (IN)
	Ring Resistivity (RES_RING) (OHMM)	

PIP SUMMARY

Density Ticks, 0.1-ft

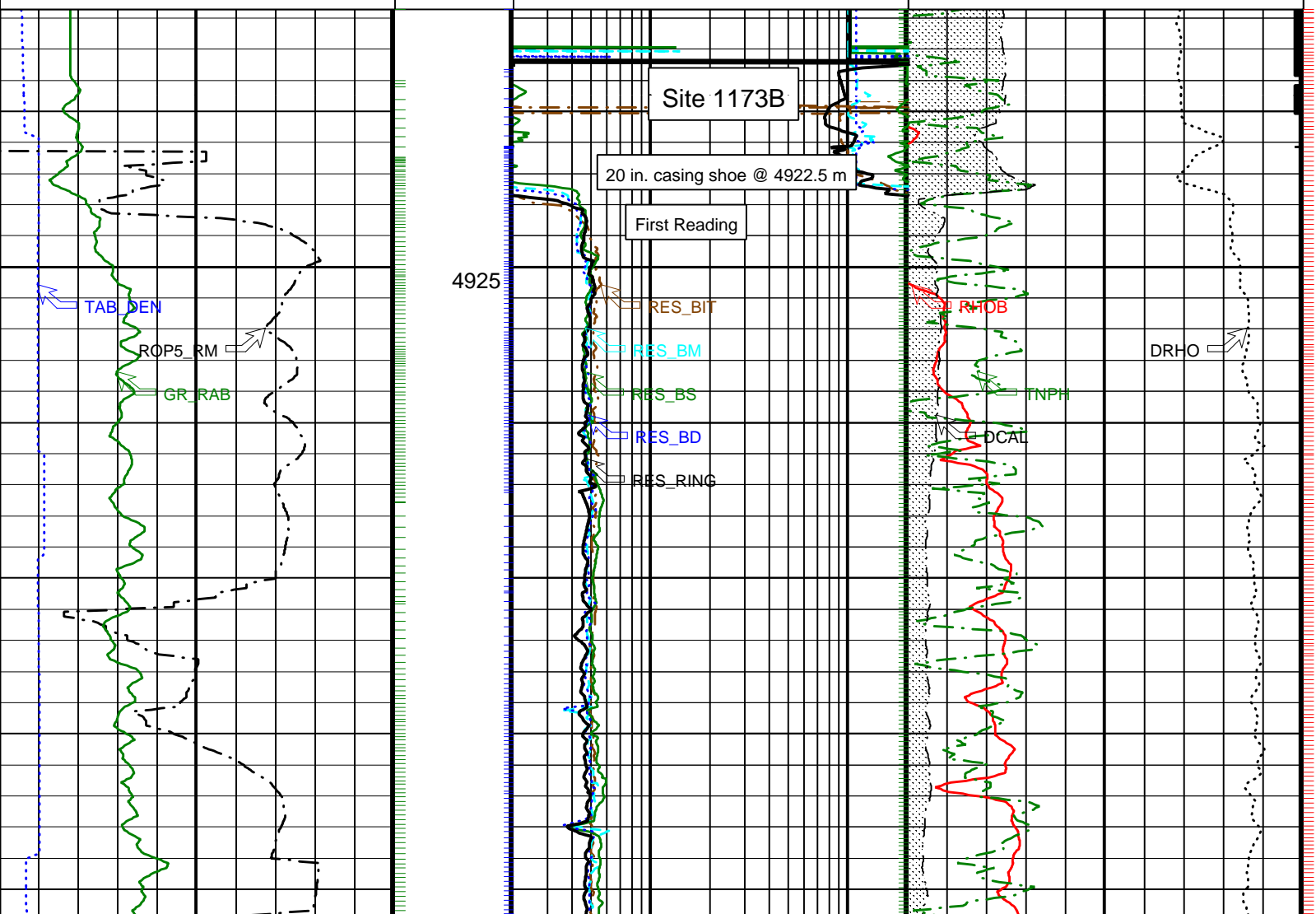
Neutron Ticks, 0.1-ft

┆ Gamma Ray Samples  
┆ RAB samples

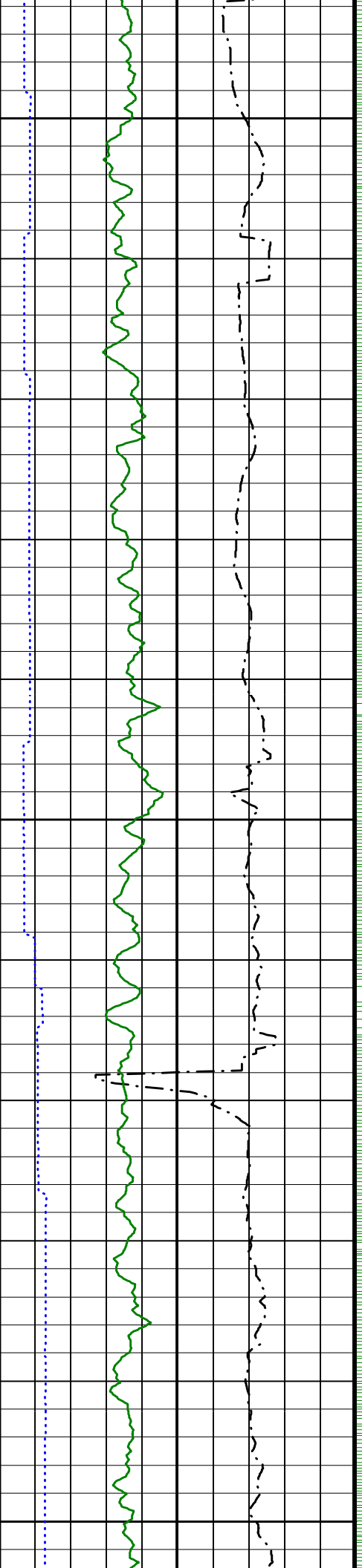
PIP SUMMARY

Gamma Ray Samples  
RAB samples  
Neutron Ticks, 0.1-ft  
Density Ticks, 0.1-ft

	Ring Resistivity (RES_RING) 0.2 (OHMM) 20	
	Deep Button Resistivity (RES_BD) 0.2 (OHMM) 20	Differential Caliper (DCAL) 0 (IN) 20
Rate of Penetration, Averaged over Last 5ft (ROP5_RM) 500 (F/HR) 0	Shallow Button Resistivity (RES_BS) 0.2 (OHMM) 20	Thermal Neutron Porosity (TNPH) 75 (PU) 15
RAB Gamma Ray (GR_RAB) 0 (GAPI) 150	Medium Button Resistivity (RES_BM) 0.2 (OHMM) 20	Bulk Density Correction (DRHO) -0.8 (G/C3) 0.2
Density Time After Bit (TAB_DEN) 0 (HR) 10	Bit Resistivity (RES_BIT) 0.2 (OHMM) 20	Bulk Density (RHOB) 1.4 (G/C3) 2.4



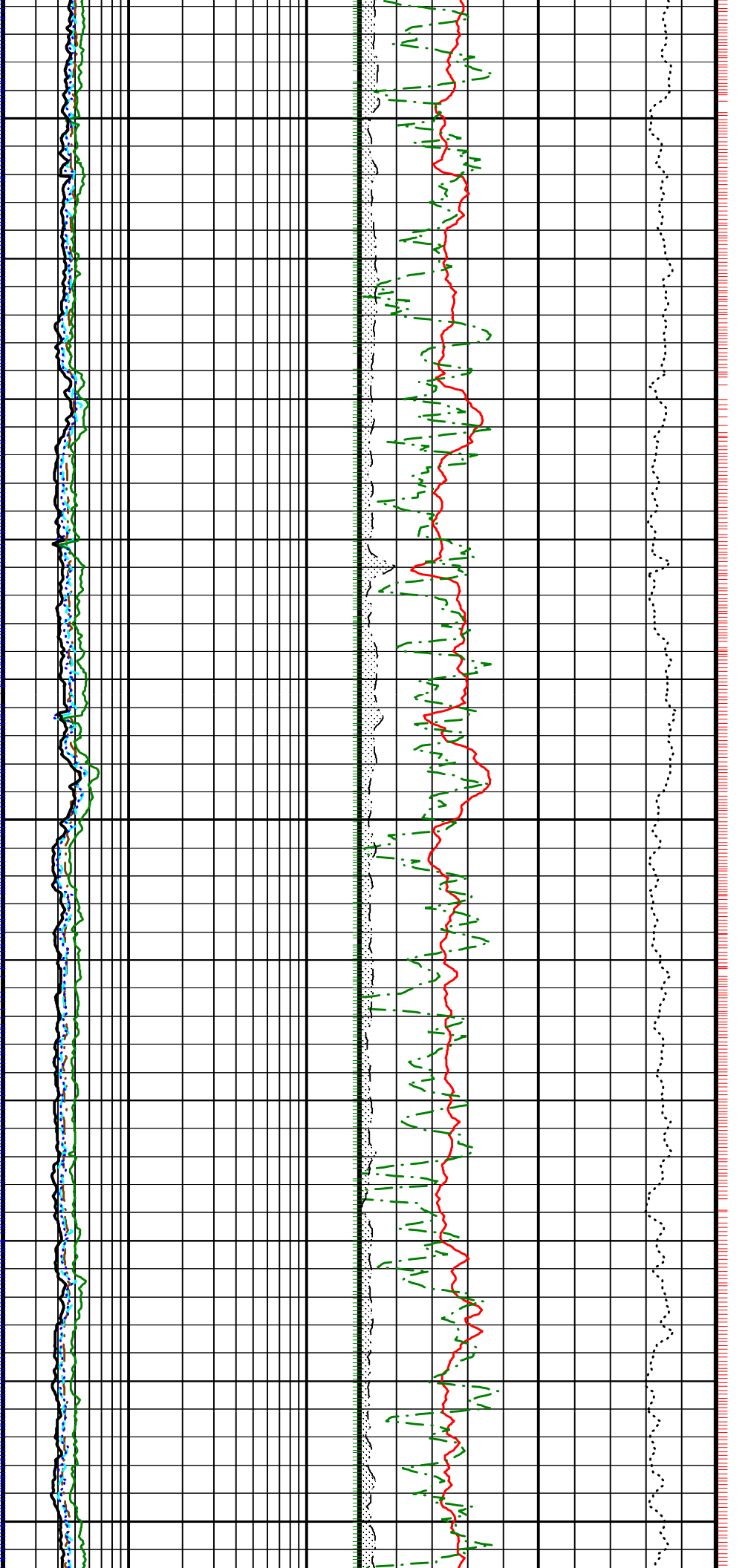


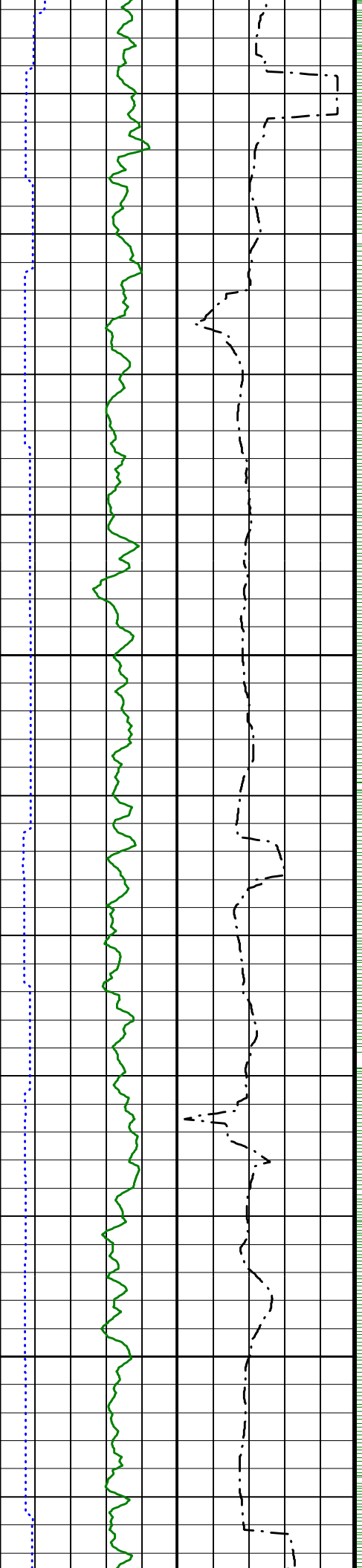


4950

4975

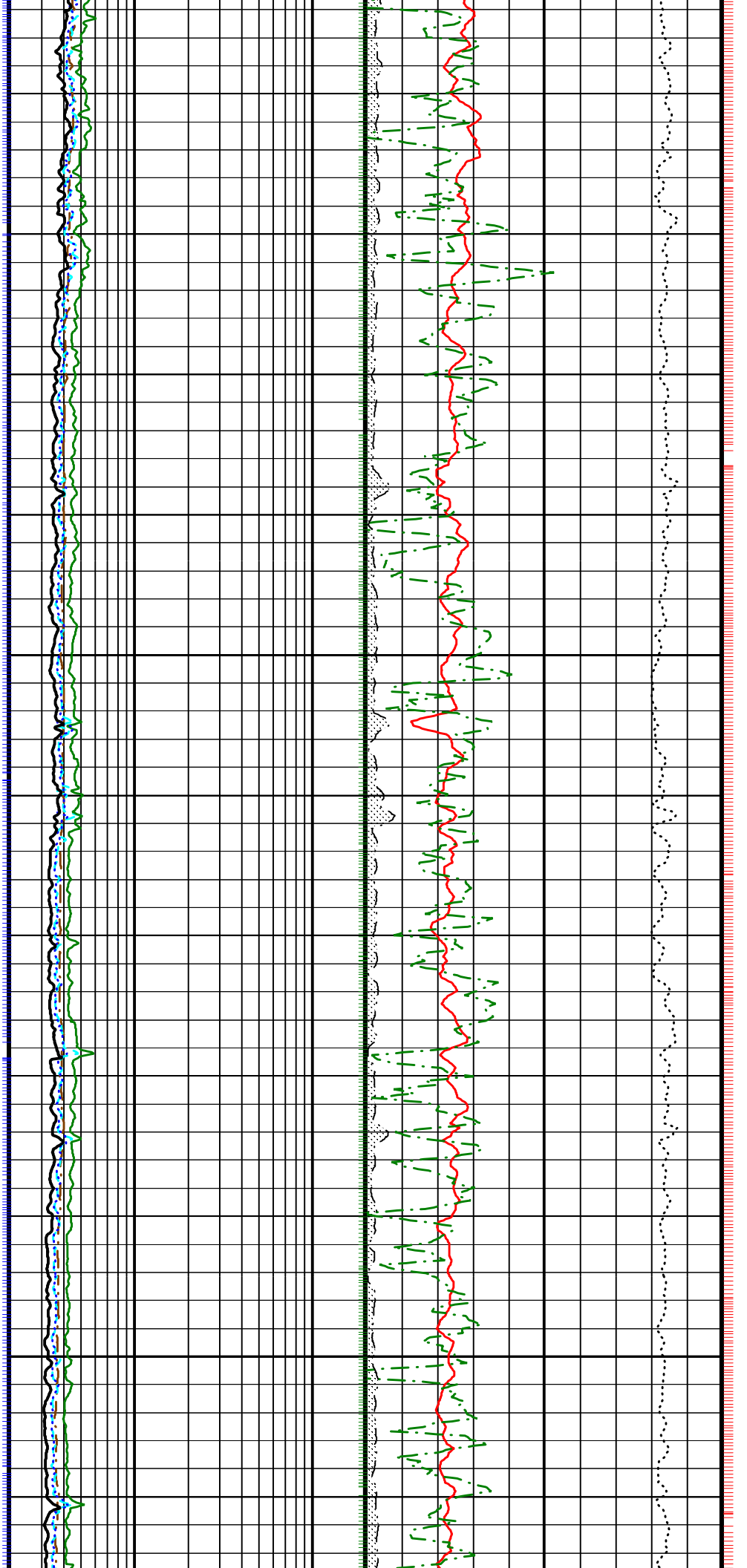
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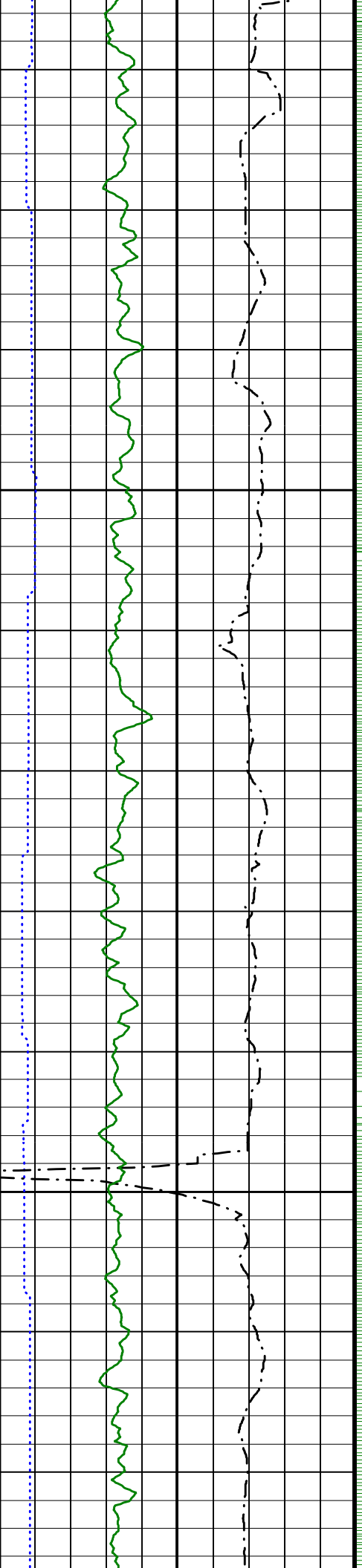




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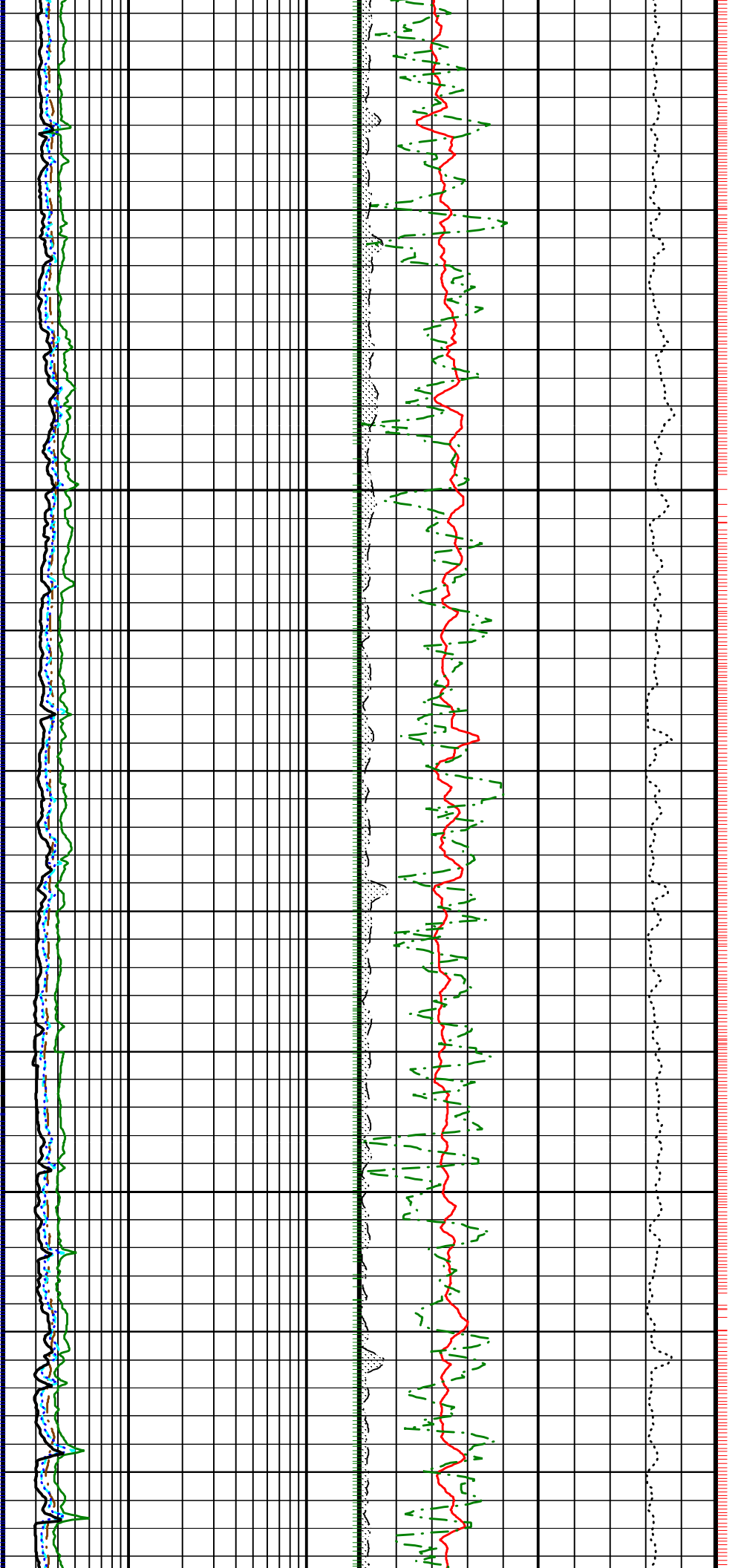
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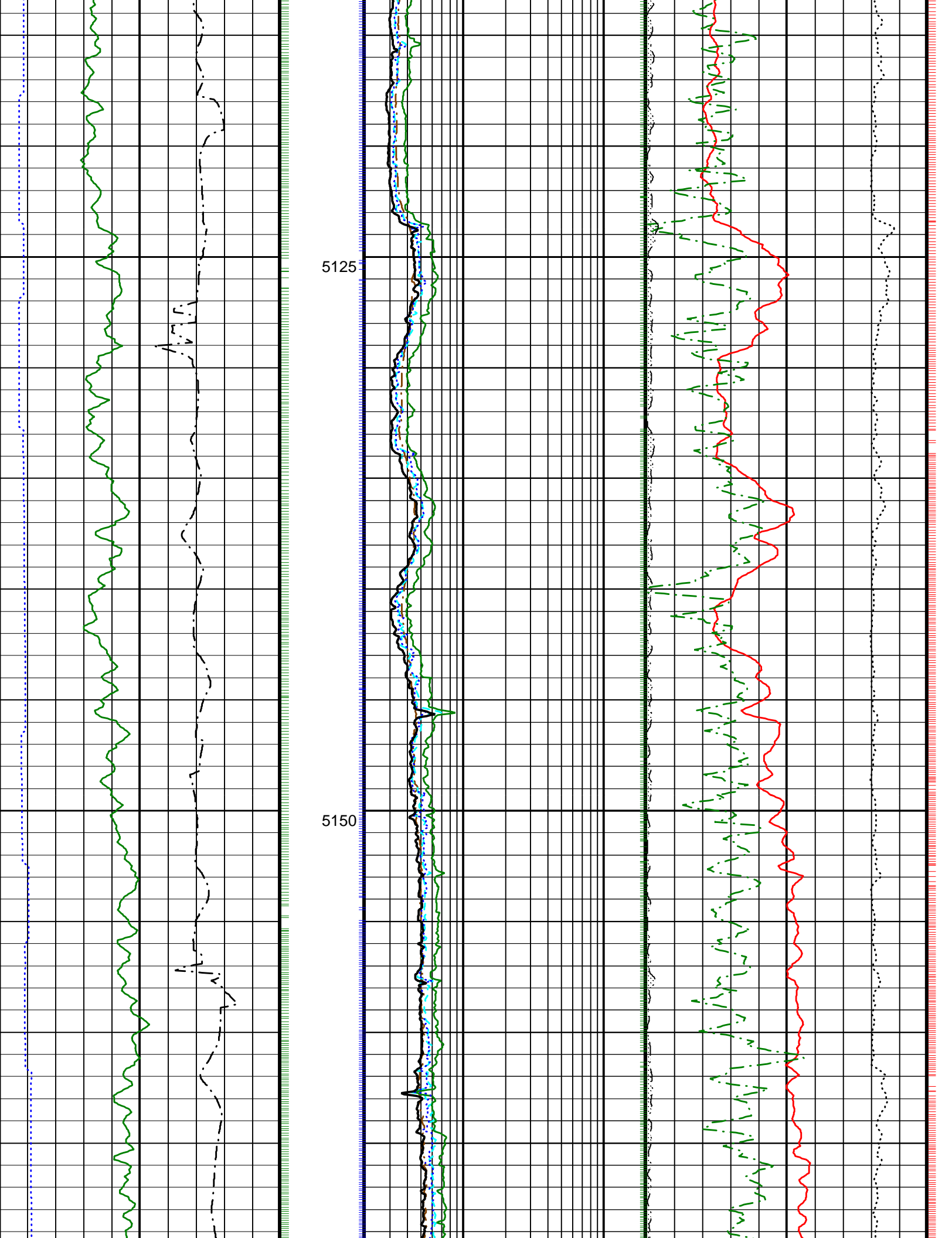


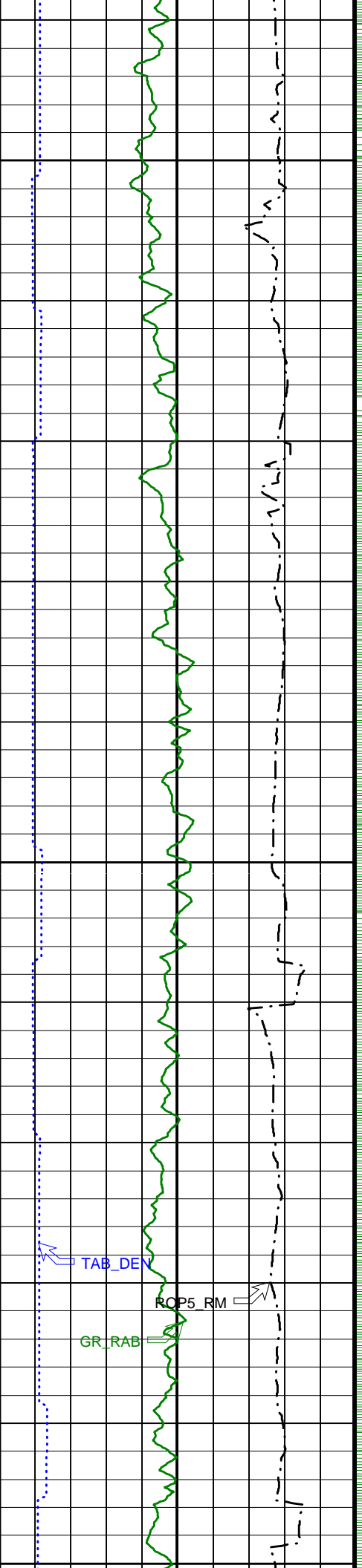


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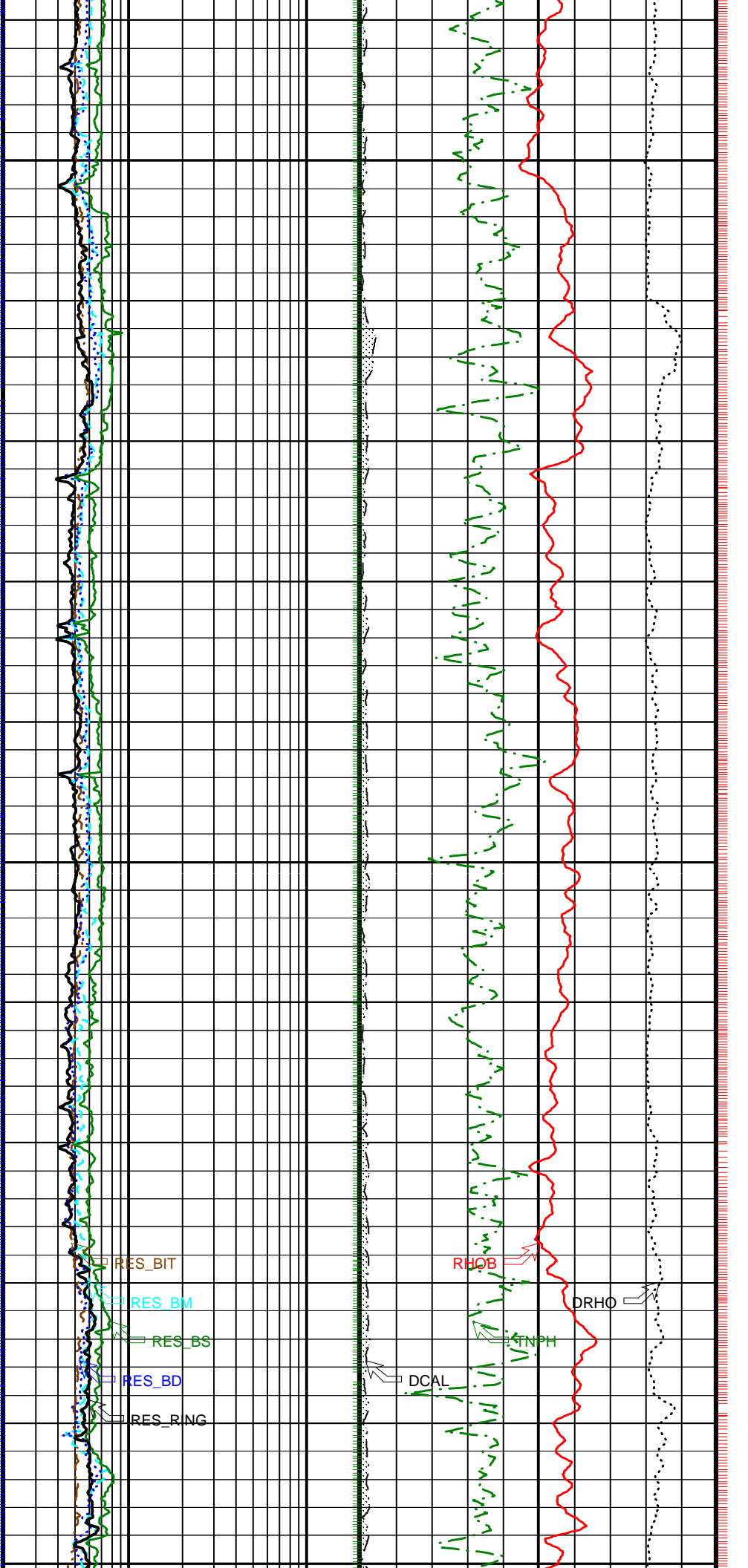


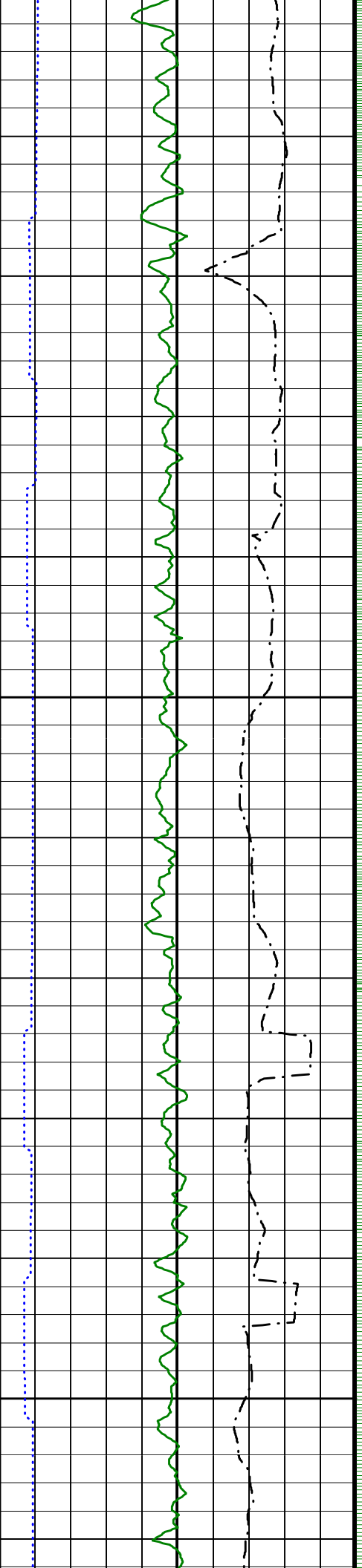




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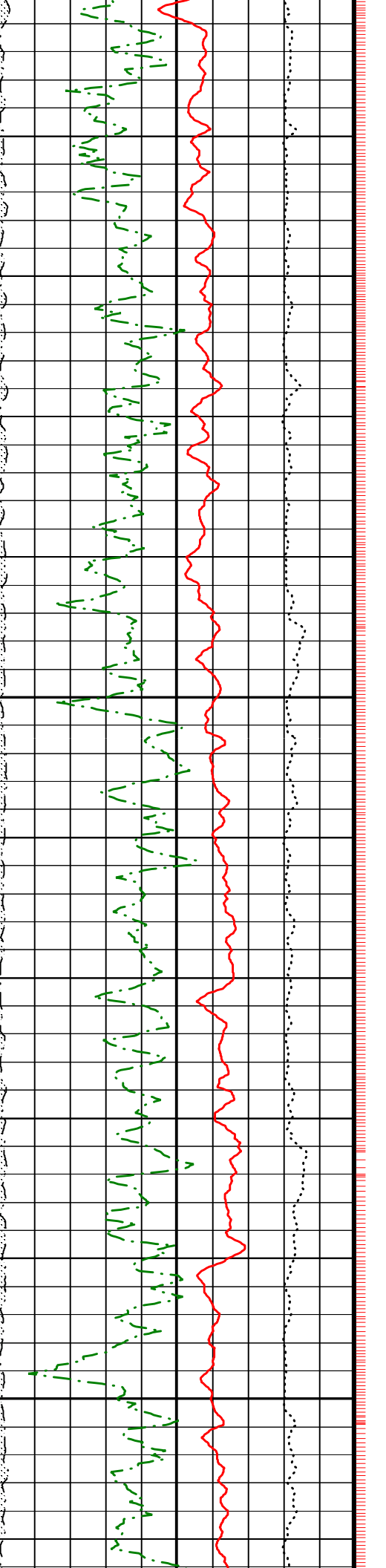
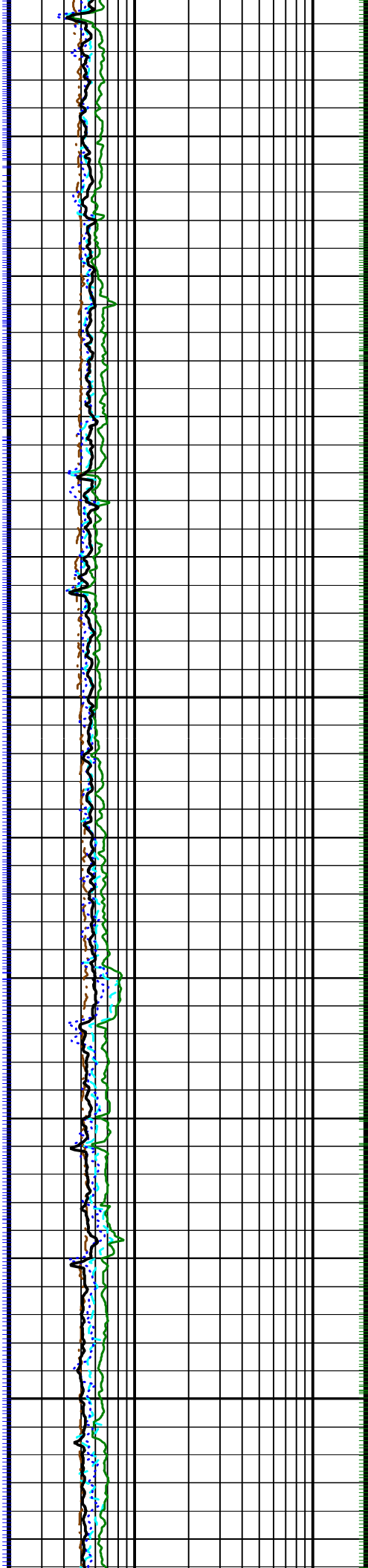


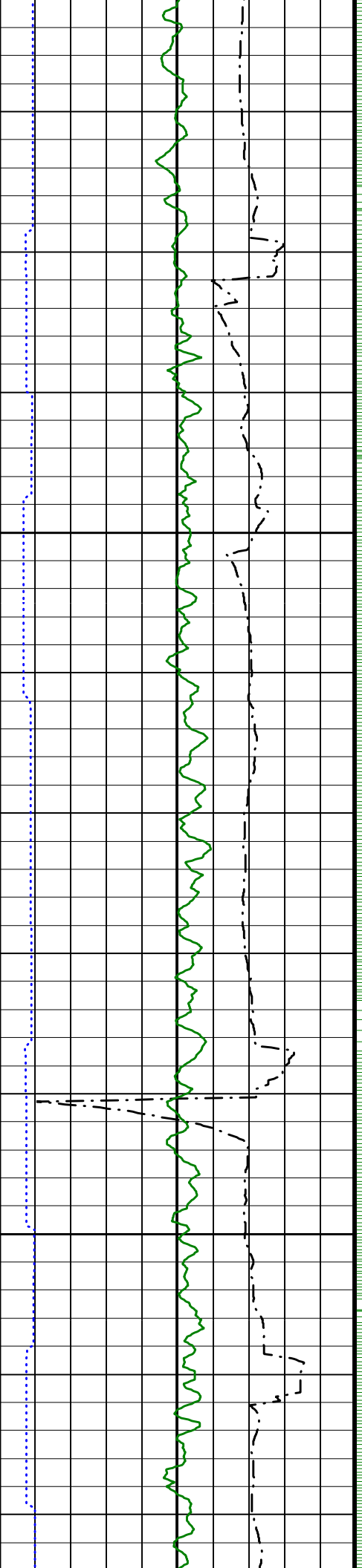


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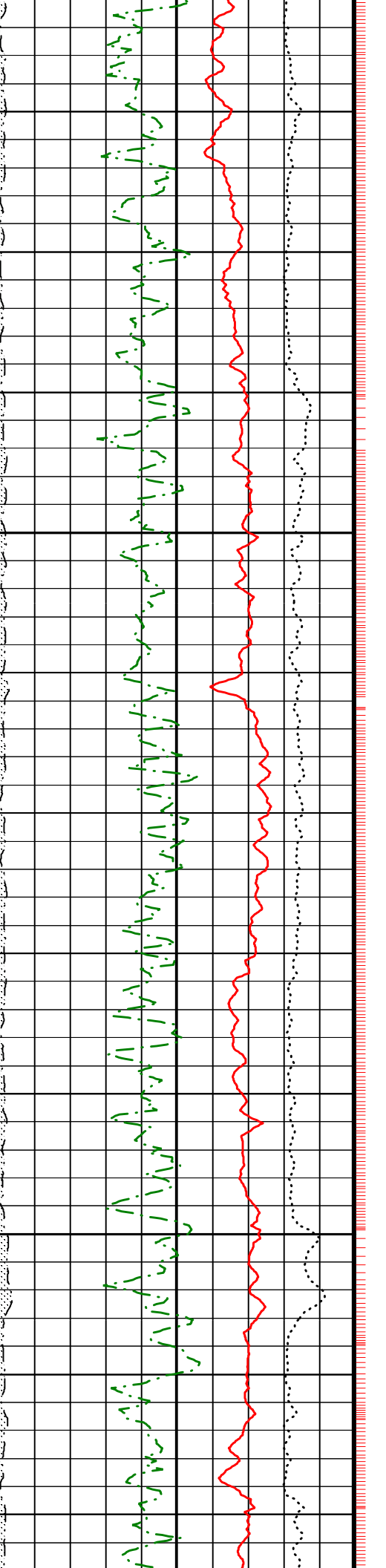
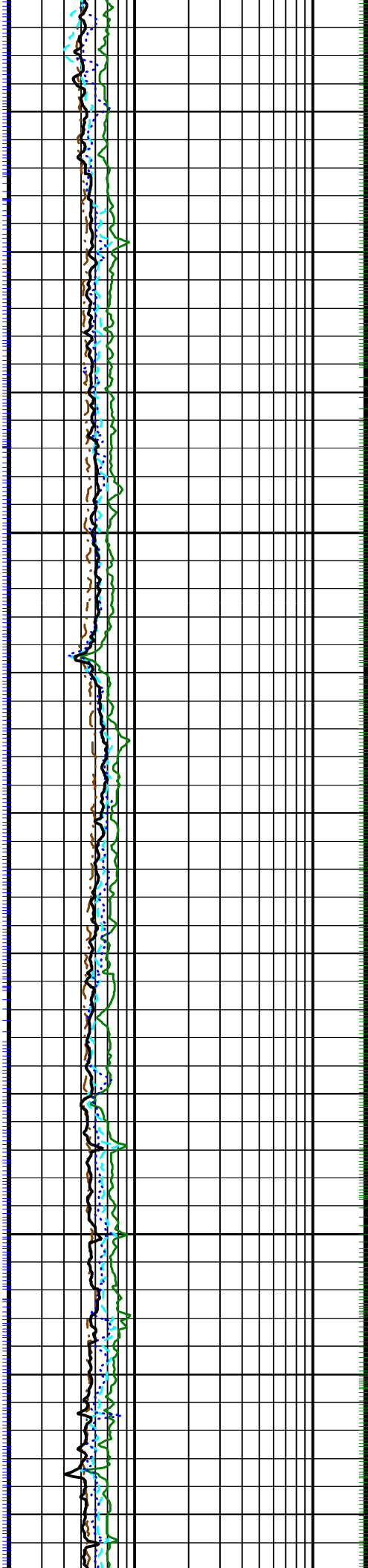
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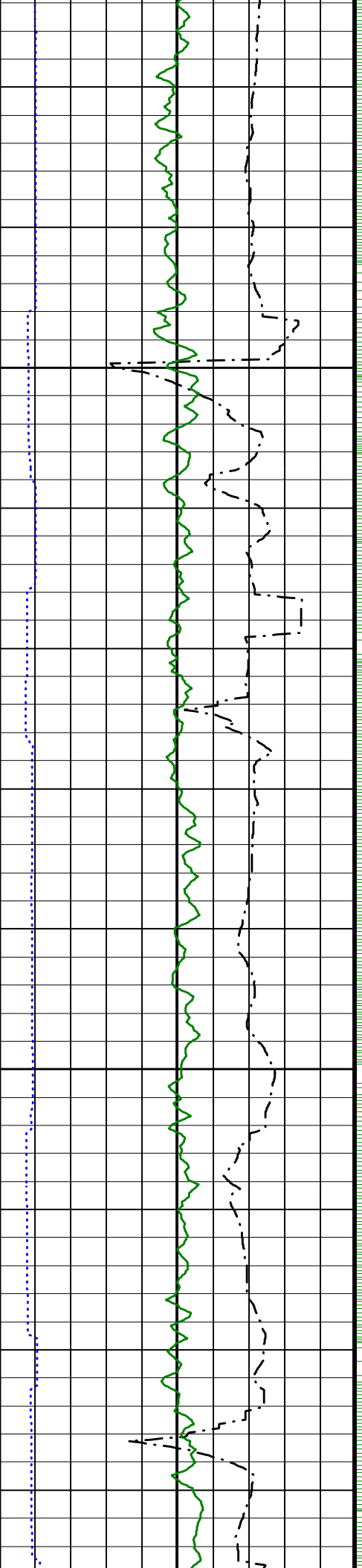




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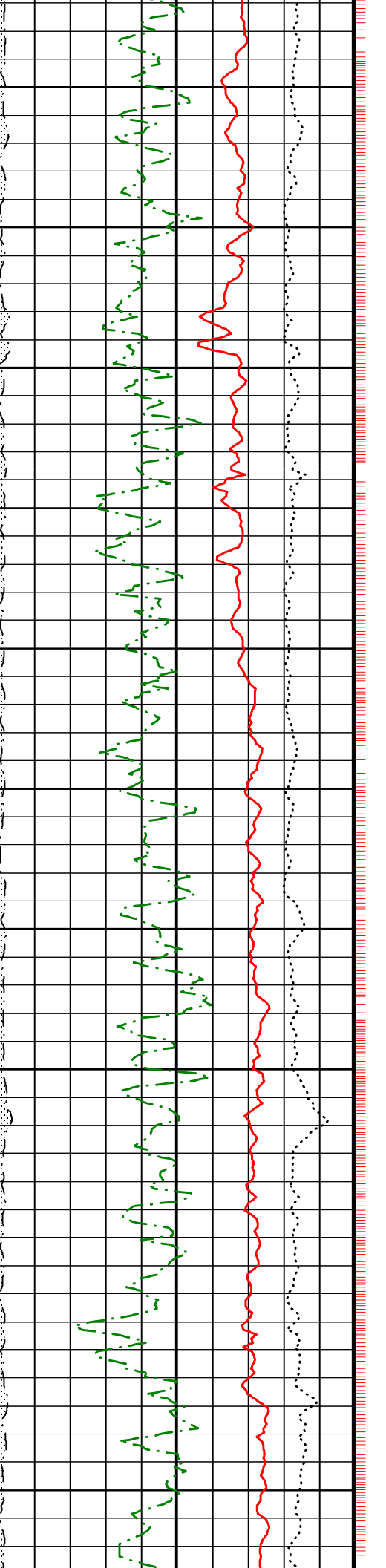
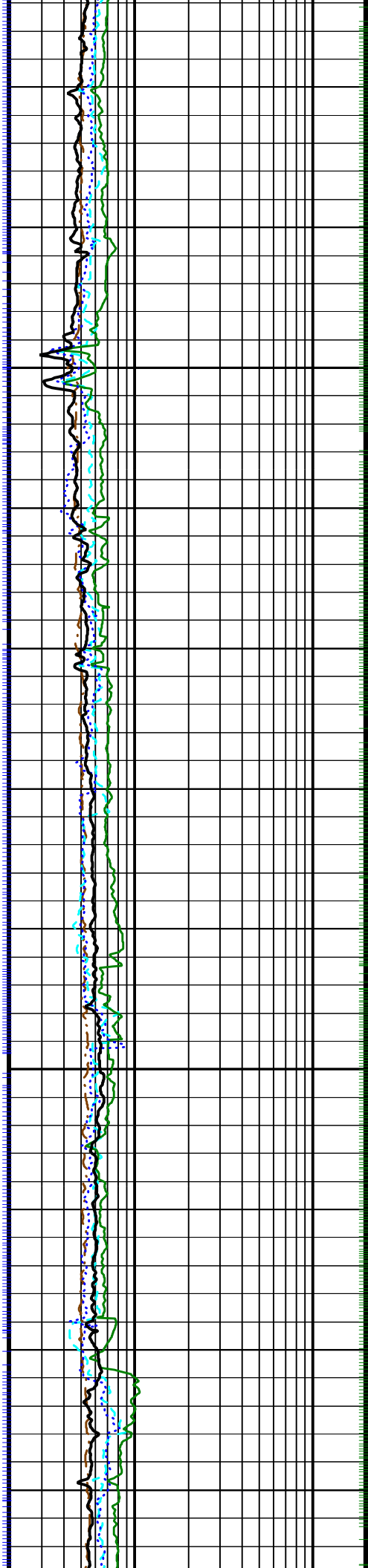
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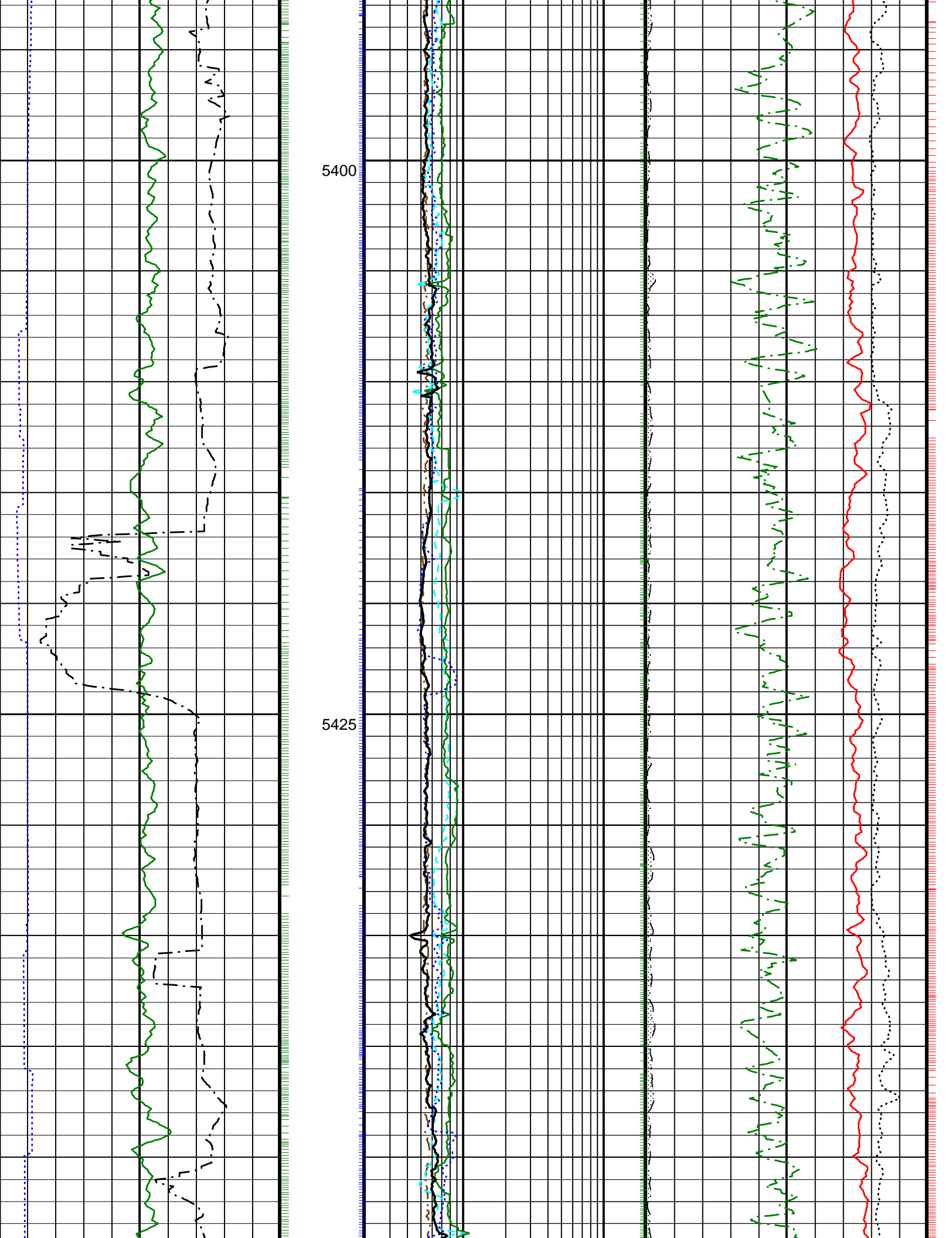


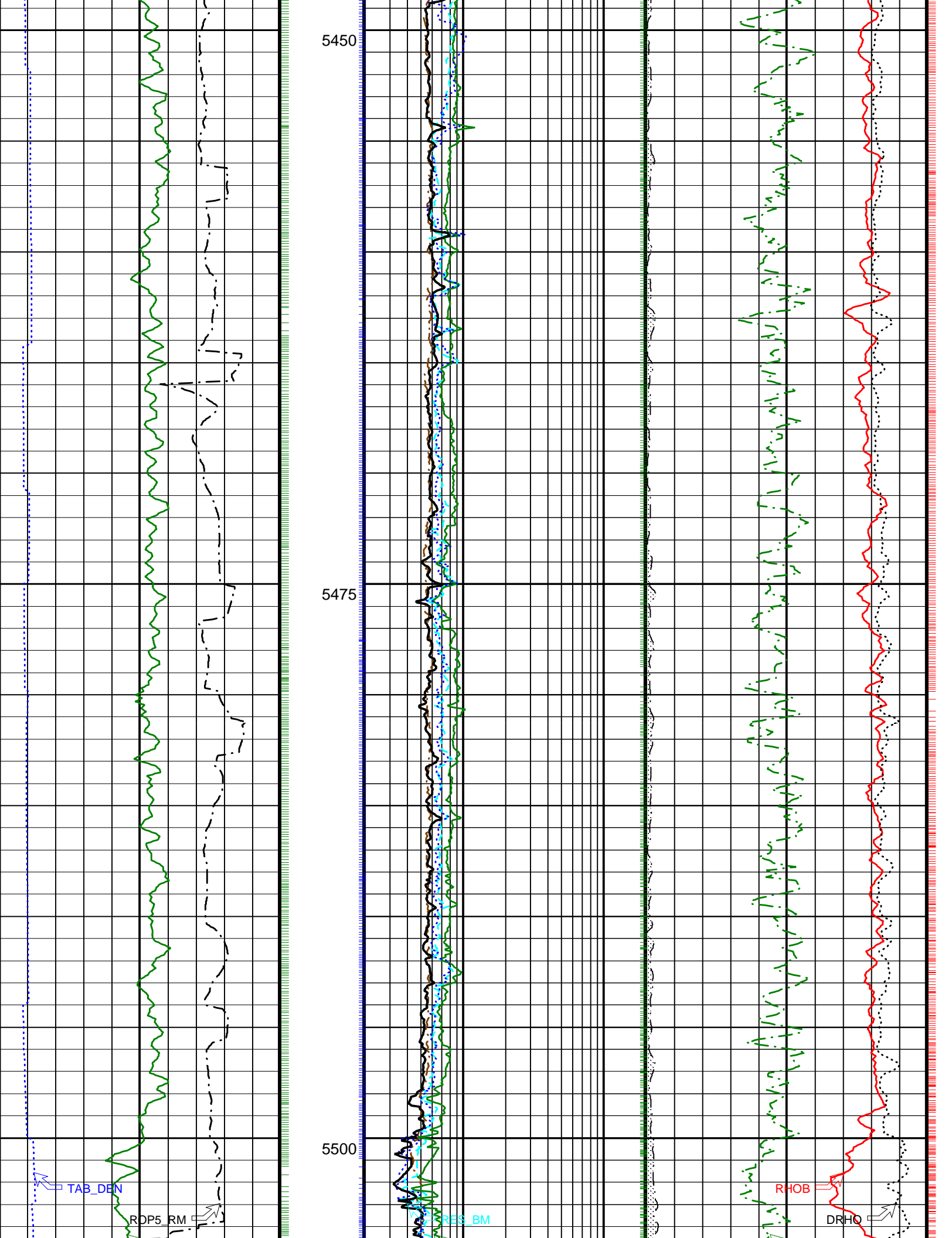
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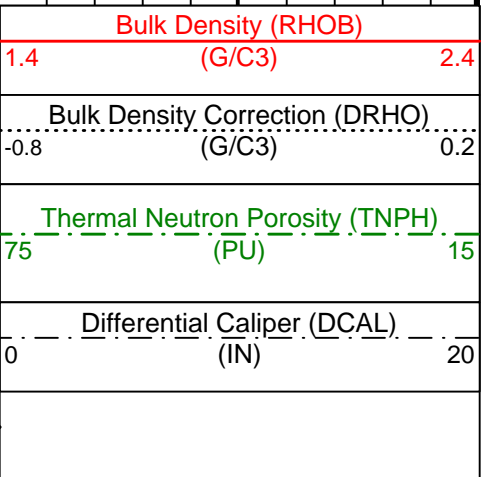
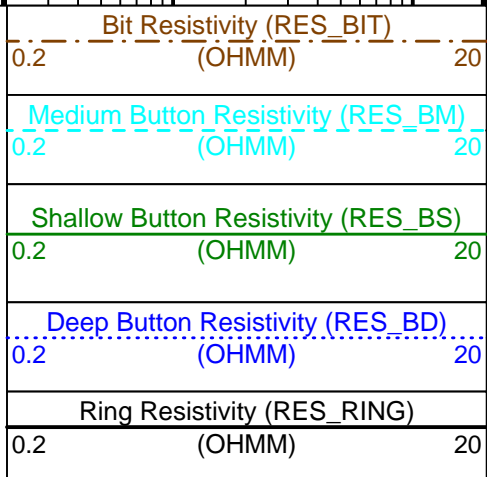
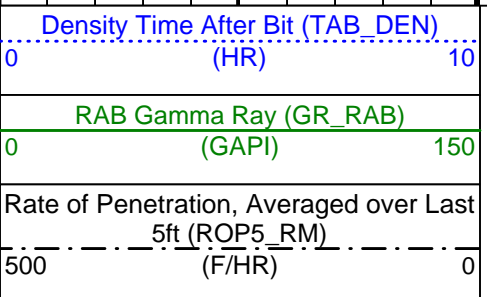
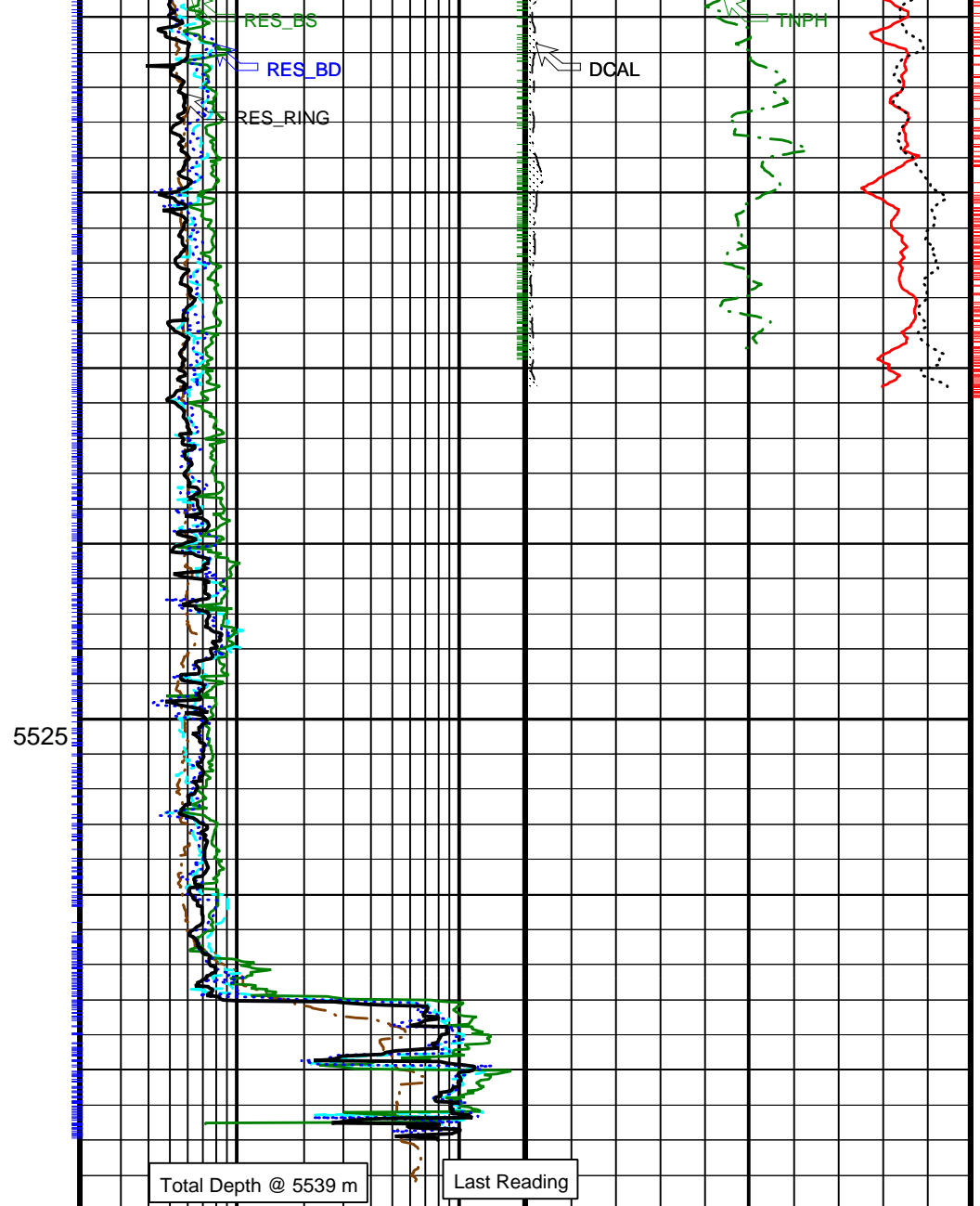
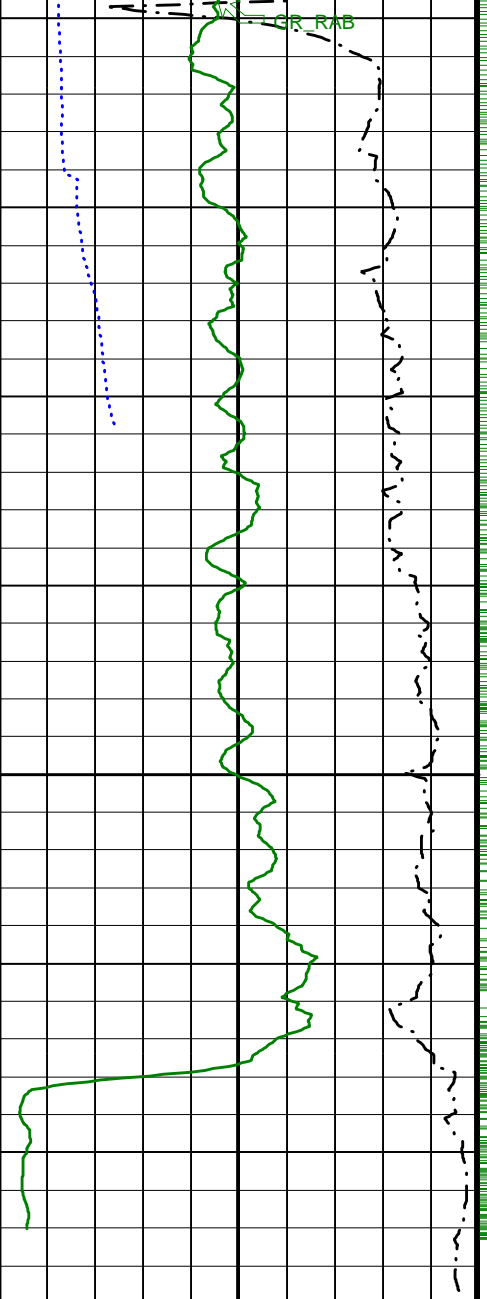
5375











PIP SUMMARY

Density Ticks, 0.1-ft +

Neutron Ticks, 0.1-ft +

+ Gamma Ray Samples  
+ RAB samples

6.75-in. Resistivity At-the-Bit / Equipment Identification

Primary Equipment:  
Tool Name and Serial Number  
Calibration Status

RAB6 - BA  
Good

SN 012

Master: 10-APR-2001 10:12														
6.75-in. Resistivity At-the-Bit Calibration														
Resistivity: Fixture														
Phase	Ring/T1 factor			Value	Phase	Ring/T2 factor			Value	Phase	M0/T1 factor			Value
Master				0.01096	Master				0.01115	Master				1.107
	0.009500 (Minimum)	0.01100 (Nominal)	0.01250 (Maximum)			0.009500 (Minimum)	0.01100 (Nominal)	0.01250 (Maximum)			0.9000 (Minimum)	1.050 (Nominal)	1.200 (Maximum)	
Phase	M0/T2 factor			Value	Phase	M2/T1 factor			Value	Phase	M2/T2 factor			Value
Master				1.100	Master				1.016	Master				1.021
	0.9000 (Minimum)	1.050 (Nominal)	1.200 (Maximum)			0.8500 (Minimum)	1.000 (Nominal)	1.150 (Maximum)			0.8500 (Minimum)	1.000 (Nominal)	1.150 (Maximum)	
Phase	BTN shallow/T1 factor			Value	Phase	BTN shallow/T2 factor			Value	Phase	BTN medium/T1 factor			Value
Master				0.0006580	Master				0.0006760	Master				0.0006450
	0.0005700 (Minimum)	0.0006700 (Nominal)	0.0007700 (Maximum)			0.0005700 (Minimum)	0.0006700 (Nominal)	0.0007700 (Maximum)			0.0005700 (Minimum)	0.0006700 (Nominal)	0.0007700 (Maximum)	
Phase	BTN medium/T2 factor			Value	Phase	BTN deep/T1 factor			Value	Phase	BTN deep/T2 factor			Value
Master				0.0006610	Master				0.0006480	Master				0.0006640
	0.0005700 (Minimum)	0.0006700 (Nominal)	0.0007700 (Maximum)			0.0005700 (Minimum)	0.0006700 (Nominal)	0.0007700 (Maximum)			0.0005700 (Minimum)	0.0006700 (Nominal)	0.0007700 (Maximum)	

Master: 10-APR-2001 10:12				
6.75-in. Resistivity At-the-Bit Calibration				
Gamma Ray: Blanket				
Phase	Gamma ray factor			Value
Master				4.210
	3.500 (Minimum)	4.500 (Nominal)		5.500 (Maximum)

6.75-in. Azimuthal Density Neutron / Equipment Identification

Primary Equipment:  
Tool Name and Serial Number  
Neutron Logging Source  
Density Logging Source  
Stabilizer Size  
Calibration Status

ADN6 - BA  
NSR - M  
GSR - J/Z  
9.63 - in.  
Good

119  
A0149  
A2097

Master: 10-APR-2001 22:25														
6.75-in. Azimuthal Density Neutron Calibration														
Density: Magnesium Block														
Phase	LS window 3 - Mg CPS			Value	Phase	SS window 1 - Mg CPS			Value	Phase	SS window 3 - Mg CPS			Value
Master				642.3	Master				2016	Master				5009
	250.0 (Minimum)	4125 (Nominal)	8000 (Maximum)			700.0 (Minimum)	9350 (Nominal)	18000 (Maximum)			2500 (Minimum)	23750 (Nominal)	45000 (Maximum)	

Master: 10-APR-2001 22:25														
6.75-in. Azimuthal Density Neutron Calibration														
Density: Aluminum Block														
Phase	LS window 3 - Al CPS			Value	Phase	SS window 1 - Al CPS			Value	Phase	SS window 3 - Al CPS			Value
Master				105.3	Master				1185	Master				3524
	50.00 (Minimum)	725.0 (Nominal)	1400 (Maximum)			500.0 (Minimum)	4250 (Nominal)	8000 (Maximum)			1500 (Minimum)	15750 (Nominal)	30000 (Maximum)	

Master: 10-APR-2001 22:25											
6.75-in. Azimuthal Density Neutron Calibration											

Density: Background

Phase	LS window 3 - Background	CPS	Value	Phase	SS window 1 - Background	CPS	Value	Phase	SS window 3 - Background	CPS	Value
Master			42.83	Master			96.15	Master			408.0
	15.00 (Minimum)	82.50 (Nominal)	150.0 (Maximum)		40.00 (Minimum)	220.0 (Nominal)	400.0 (Maximum)		150.0 (Minimum)	825.0 (Nominal)	1500 (Maximum)

Master: 10-APR-2001 22:25											
6.75-in. Azimuthal Density Neutron Calibration											
Density: Water Block Check											
Phase	Long spacing water density G/C3			Value	Phase	Short spacing water density G/C3			Value		
Master				1.014	Master				1.101		
	0.9844 (Minimum)	0.9994 (Nominal)	1.014 (Maximum)			1.071 (Minimum)	1.096 (Nominal)	1.121 (Maximum)			

Master: 10-APR-2001 22:25											
6.75-in. Azimuthal Density Neutron Calibration											
Neutron: Water Tank											
Phase	Far 1 tube 1 gain			Value	Phase	Far 1 tube 1 offset CPS			Value		
Master				1.067	Master				-0.8720		
	0.9000 (Minimum)	1.100 (Nominal)	1.300 (Maximum)			-1.200 (Minimum)	-0.9000 (Nominal)	-0.6000 (Maximum)			
Phase	Far 1 tube 2 gain			Value	Phase	Far 1 tube 2 offset CPS			Value		
Master				1.047	Master				-0.9180		
	0.9000 (Minimum)	1.100 (Nominal)	1.300 (Maximum)			-1.200 (Minimum)	-0.9000 (Nominal)	-0.6000 (Maximum)			
Phase	Far 1 tube 3 gain			Value	Phase	Far 1 tube 3 offset CPS			Value		
Master				1.094	Master				-0.8480		
	0.9000 (Minimum)	1.100 (Nominal)	1.300 (Maximum)			-1.200 (Minimum)	-0.9000 (Nominal)	-0.6000 (Maximum)			
Phase	Far 2 tube 1 gain			Value	Phase	Far 2 tube 1 offset CPS			Value		
Master				1.081	Master				-0.8230		
	0.9000 (Minimum)	1.100 (Nominal)	1.300 (Maximum)			-1.200 (Minimum)	-0.9000 (Nominal)	-0.6000 (Maximum)			
Phase	Far 2 tube 2 gain			Value	Phase	Far 2 tube 2 offset CPS			Value		
Master				1.079	Master				-0.8700		
	0.9000 (Minimum)	1.100 (Nominal)	1.300 (Maximum)			-1.200 (Minimum)	-0.9000 (Nominal)	-0.6000 (Maximum)			
Phase	Far 2 tube 3 gain			Value	Phase	Far 2 tube 3 offset CPS			Value		
Master				1.028	Master				-0.7570		
	0.9000 (Minimum)	1.100 (Nominal)	1.300 (Maximum)			-1.200 (Minimum)	-0.9000 (Nominal)	-0.6000 (Maximum)			
Phase	Near 1 tube 1 gain			Value							
Master				0.9810							
	0.9000 (Minimum)	1.100 (Nominal)	1.300 (Maximum)								
Phase	Near 2 tube 1 gain			Value							
Master				1.025							
	0.9000 (Minimum)	1.100 (Nominal)	1.300 (Maximum)								

Company: **Lamont Doherty**  
 Well: **ODP Leg 196, Site 1173B and 1173C**  
 Field: **Nankai Trough**  
 Country: **Japan**  
 Ocean: **Pacific**

