

Schlumberger

Company: Stone Energy Corporation

Well: Mills-Wetzel #1H

Field: Heather

County: Wetzel

State: West Virginia

**PLATFORM EXPRESS
ARRAY INDUCTION
GAMMA RAY / CALIPER**

County: Wetzel
 Field: Heather
 Location: LAT: 39.52758*
 Well: Mills-Wetzel #1H
 Company: Stone Energy Corporation

LOCATION		LAT: 39.52758*		Elev.: K.B. 1341.00 ft	
		LONG: 80.67386*		G.L. 1331.00 ft	
				D.F. 1341.00 ft	
Permanent Datum:		GROUND LEVEL		Elev.: 1331.00 ft	
Log Measured From:		KELLY BUSHING		10.00 ft above Perm. Datum	
Drilling Measured From:		KELLY BUSHING			
API Serial No. 47-103-02558		District: Grant		Watershed: Trib of Wyatt Run	
				Quad: Pine Grove 7.5	

Logging Date	31-Aug-2010	
Run Number	1	
Depth Driller	7340 ft	
Schlumberger Depth	7346 ft	
Bottom Log Interval	7338 ft	
Top Log Interval	2762 ft	
Casing Driller Size @ Depth	9.625 in @ 2762 ft	
Casing Schlumberger	2762 ft	
Bit Size	8.750 in	
Type Fluid In Hole	Air	
Density	0 lbm/gal	
Fluid Loss		
Source Of Sample		
RM @ Measured Temperature	@	
RMF @ Measured Temperature	@	
RMC @ Measured Temperature	@	
Source RMF	RMC	
RM @ MRT	RMF @ MRT	
Maximum Recorded Temperatures	125 degF @	
Circulation Stopped	Time	
Logger On Bottom	31-Aug-2010 Time 0:53	
Unit Number	3046 Location Weston, WV	
Recorded By	Michael Winter	
Witnessed By	Kevin Stiles	

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

DEPTH SUMMARY LISTING

Date Created: 31-AUG-2010 3:48:51

Depth System Equipment

Depth Measuring Device	Tension Device	Logging Cable
Type: IDW-B	Type: CMTD-B/A	Type: 7-39P LXS
Serial Number: 2844	Serial Number: 1883	Serial Number: 708271
Calibration Date: 03-MAR-2010	Calibration Date: 11-AUG-2010	Length: 15700 FT
Calibrator Serial Number: 33	Calibrator Serial Number: 78796	Conveyance Method: Wireline
Calibration Cable Type: 7-39P LXS	Number of Calibration Points: 10	Rig Type: LAND
Wheel Correction 1: -10	Calibration RMS: 14	
Wheel Correction 2: -9	Calibration Peak Error: 26	

Depth Control Parameters

Log Sequence:	First Log In the Well
Rig Up Length At Surface:	176.20 FT
Rig Up Length At Bottom:	176.20 FT
Rig Up Length Correction:	0.00 FT
Stretch Correction:	0.00 FT
Tool Zero Check At Surface:	33.10 FT

Depth Control Remarks

1. ALL SCHLUMBERGER DEPTH CONTROL POLICIES FOLLOWED
2. IDW IS PRIMARY DEPTH CONTROL
3. Z-CHART IS SECONDARY DEPTH CONTROL
4.
5.
6.

DISCLAIMER

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OTHER SERVICES1	OTHER SERVICES2
OS1: TLD	OS1:
OS2: CNTG	OS2:
OS3: TEMP/AUDIO	OS3:
OS4: ECS	OS4:
OS5:	OS5:
REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
PRESENTATION AS PER CLIENT REQUEST	
TOOLS RUN AS PER TOOL SKETCH	
SCHLUMBERGER FIRST RUN DEPTH CONTROL POLICY FOLLOWED	
MATRIX = LIMESTONE	
MATRIX DENSITY = 2.68 g/cc	

THANK YOU FOR CHOOSING SCHLUMBERGER WIRELINE!
 YOUR CREW TODAY: J. MOORE AND J. BUSH

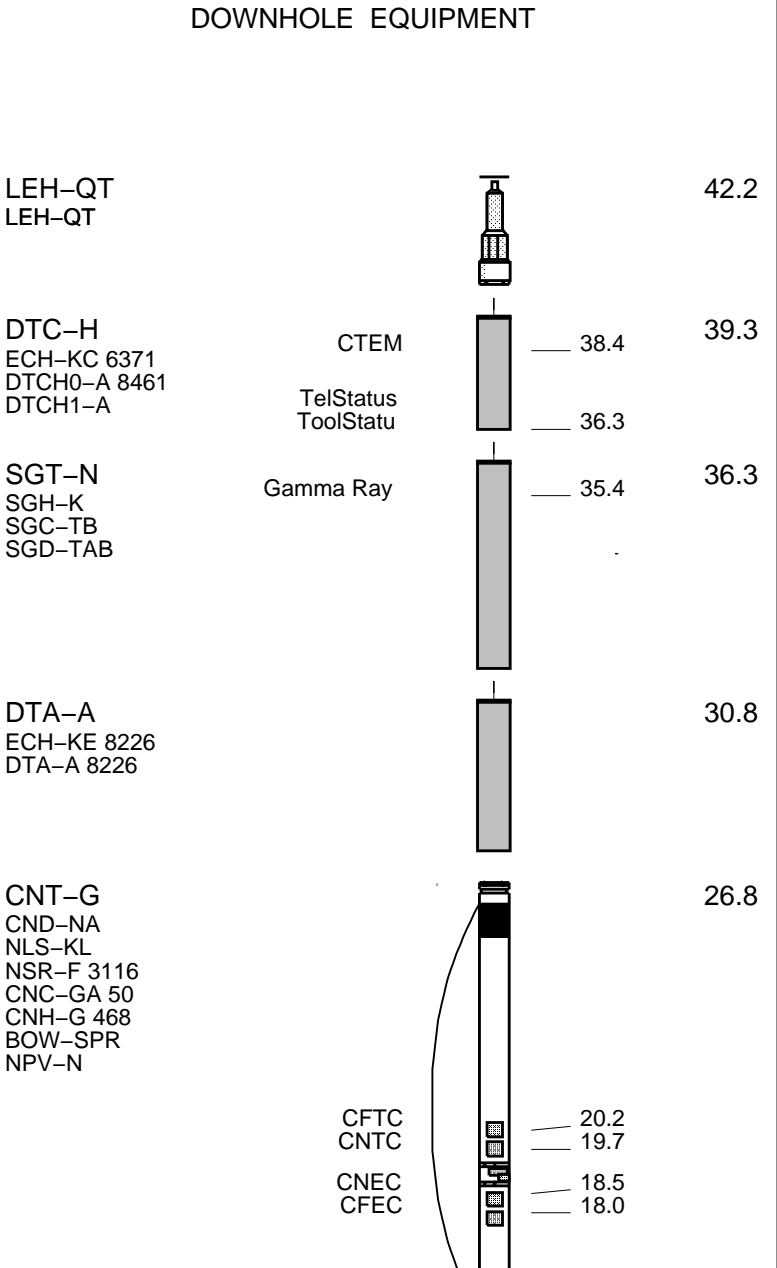
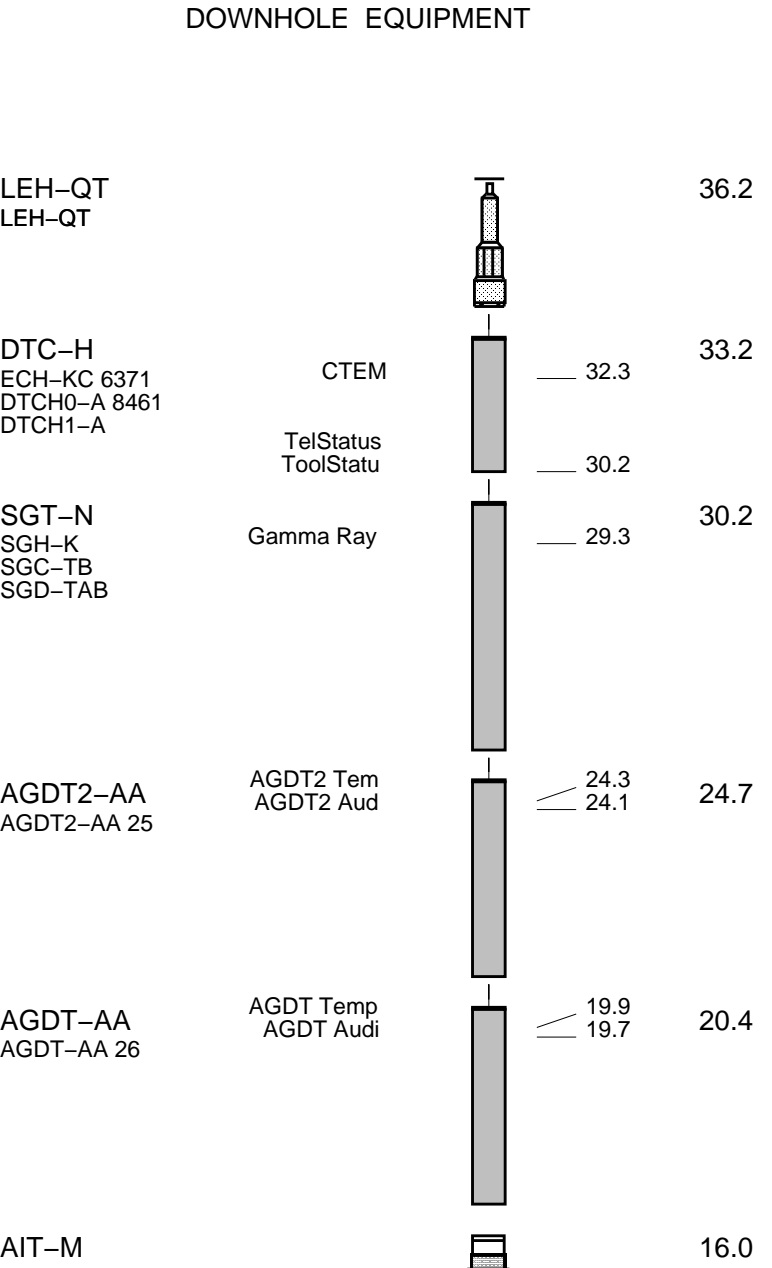
RUN 1		
SERVICE ORDER #:	BEUA-00014	
PROGRAM VERSION:	17C0-154	
FLUID LEVEL:		
LOGGED INTERVAL	START	STOP

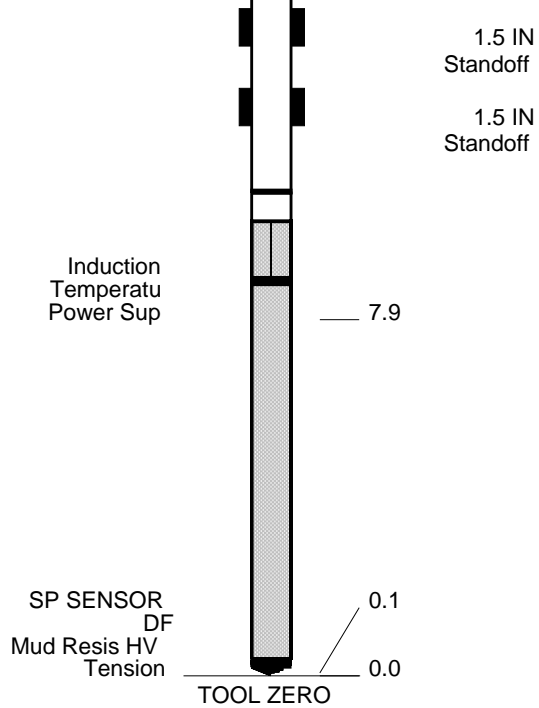
RUN 2		
SERVICE ORDER #:		
PROGRAM VERSION:		
FLUID LEVEL:		
LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1	RUN 2
SURFACE EQUIPMENT	SURFACE EQUIPMENT
GSR-U/Y WITM (DTS)-A	CNB-AB NCT-B NCS-VB GSR-U/Y

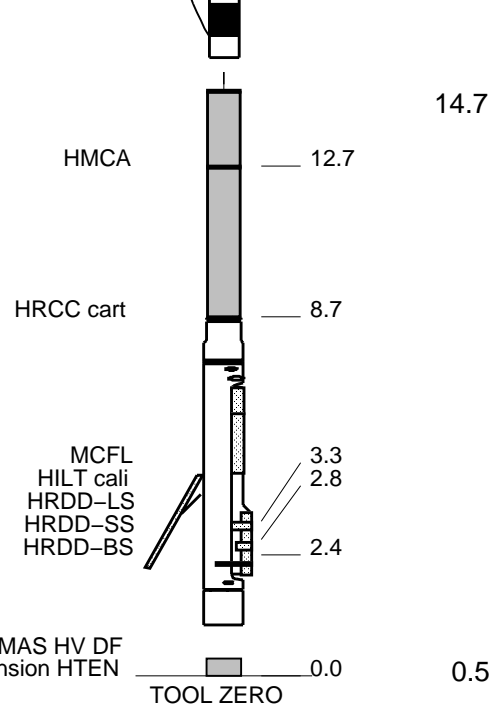
RUN 1	RUN 2
DOWNHOLE EQUIPMENT	DOWNHOLE EQUIPMENT





MAXIMUM STRING DIAMETER 6.88 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN FEET

- HILTH-FTB
- HTBCD-H 3779
- HMCA-H
- HRCC-H 4317
- HRMS-H 4809
- HRGD-H 4882
- GLS-VJ 5430
- MCFL Device-H
- HILT Nucl. LS-H 10300
- HILT Nucl. SS-H 42137
- HILT Nucl. BS-H 41107



MAXIMUM STRING DIAMETER 4.63 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN FEET



MAIN PASS
2 INCHES = 100 FEET

MAXIS Field Log

Input DLIS Files

DEFAULT	MERGE_AIT_AGDT_TLD_020GUP	FN:1	PRODUCER	31-Aug-2010 05:57	7358.0 FT	19.0 FT
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Output DLIS Files

DEFAULT	AIT_TLD_MCFL_CNL_021PUP	FN:17	PRODUCER	31-Aug-2010 05:58	7358.0 FT	19.5 FT
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Integrated Hole/Cement Volume Summary

Hole Volume = 1975.57 F3
 Cement Volume = 1219.29 F3 (assuming 5.50 IN casing O.D.)
 Computed from 7346.0 FT to 2762.0 FT using data channel(s) HCAL

OP System Version: 17C0-154

AIT-M	17C0-154	HILTH-FTB	17C0-154
CNT-G	SPC-3867-NUCL	DTA-A	SKK-3882-EDTCB
AGDT-AA	17C0-154	AGDT2-AA	17C0-154
SGT-N	17C0-154	DTC-H	17C0-154

PIP SUMMARY

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

GR > 200
From LHT1 to GR1

Tension (TENS)
(LBF)

10000 0

HILT Caliper (HCAL)
(IN)

6 16

Gamma Ray (GR)
(GAPI)

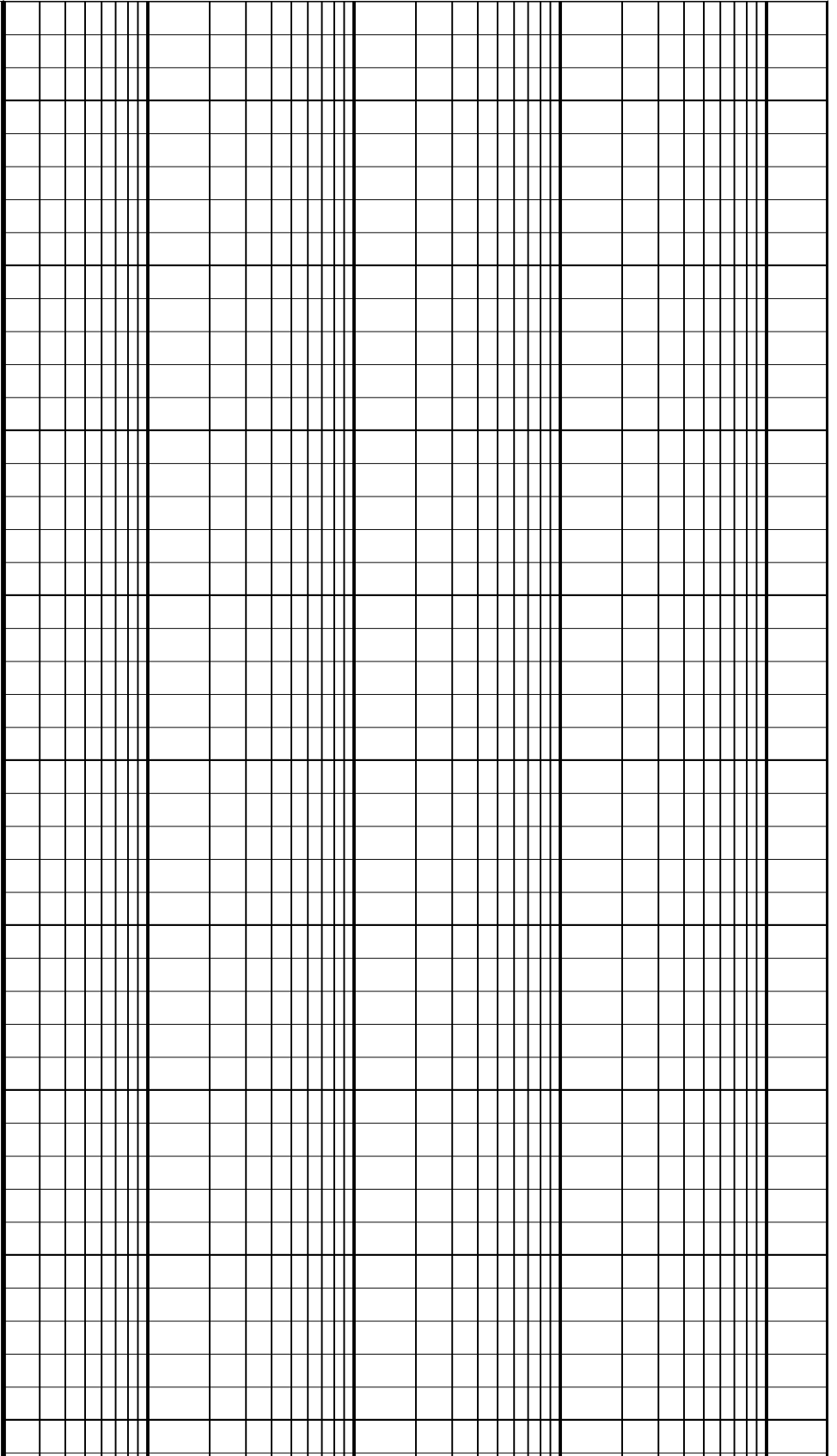
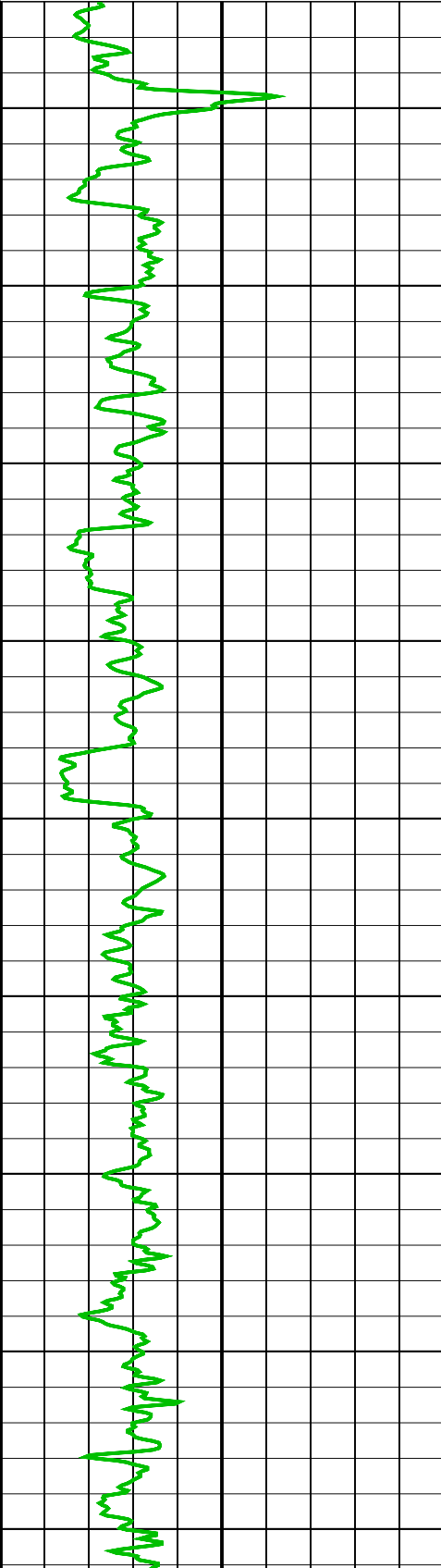
0 200

AIT 90 Inch Investigation (AT90)
(OHMM)

0.2 2000

AIT 60 Inch Investigation (AT60)
(OHMM)

0.2 2000





500

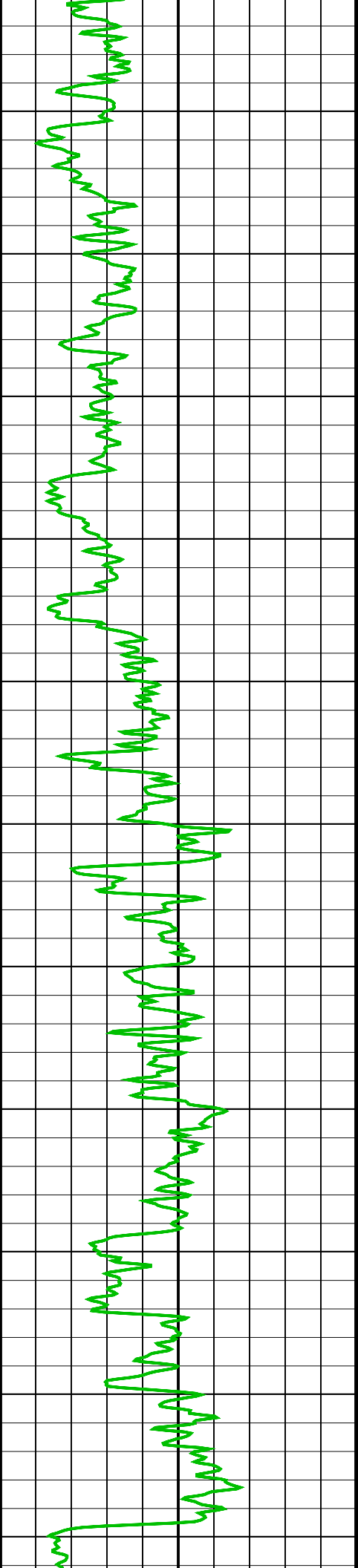
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700

800

900

1000



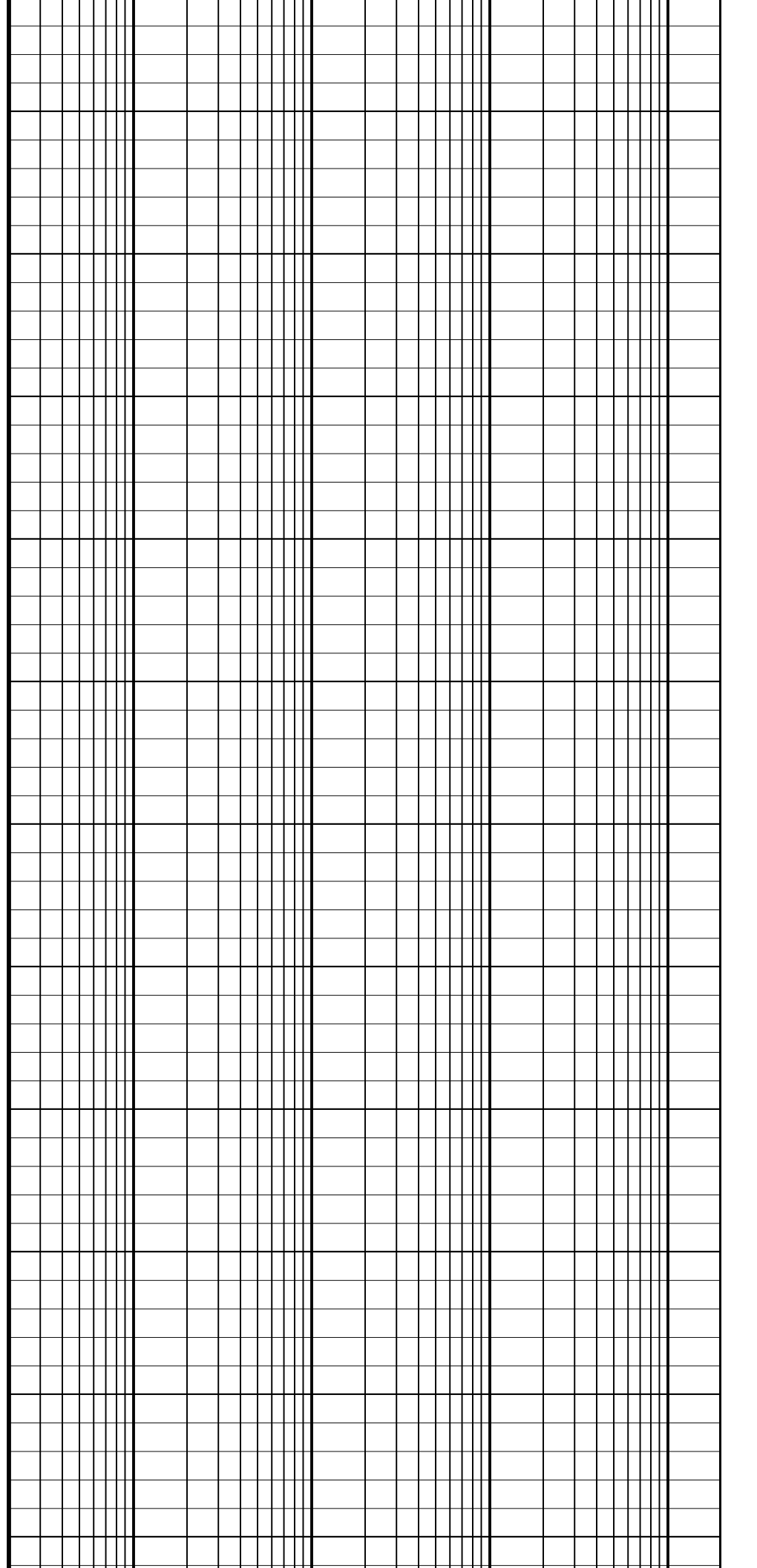
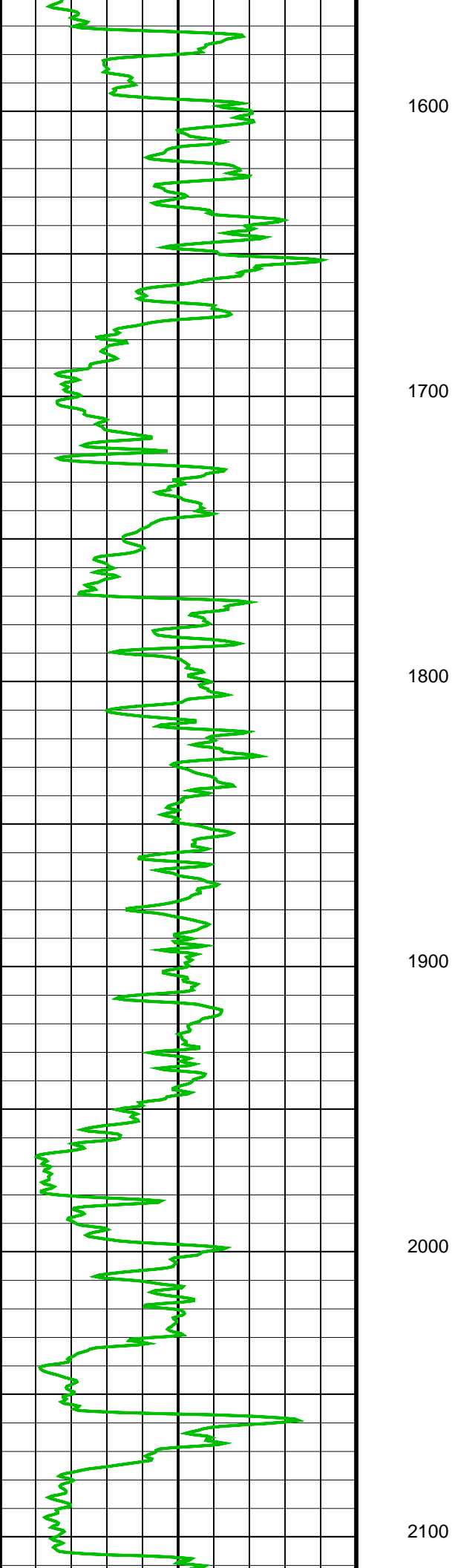
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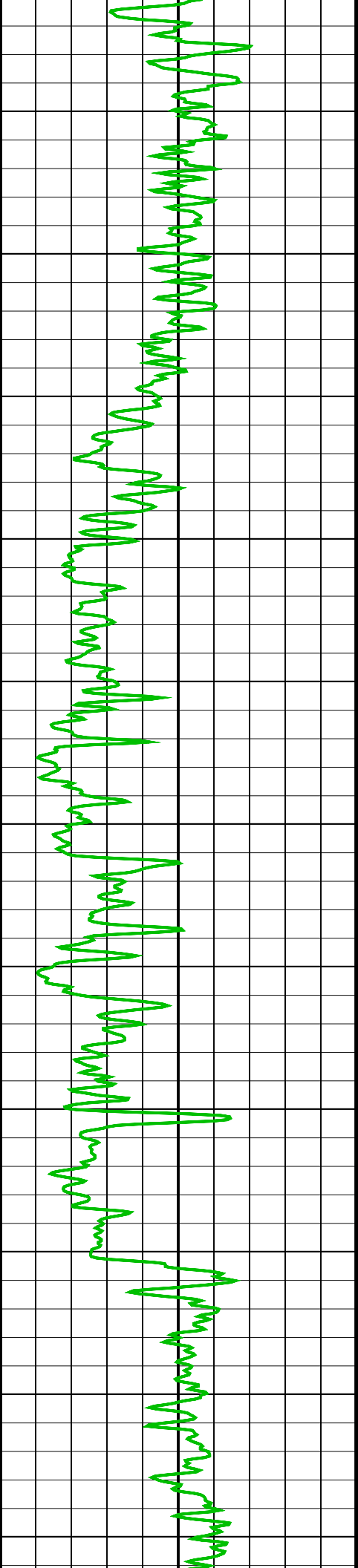
1200

1300

1400

1500





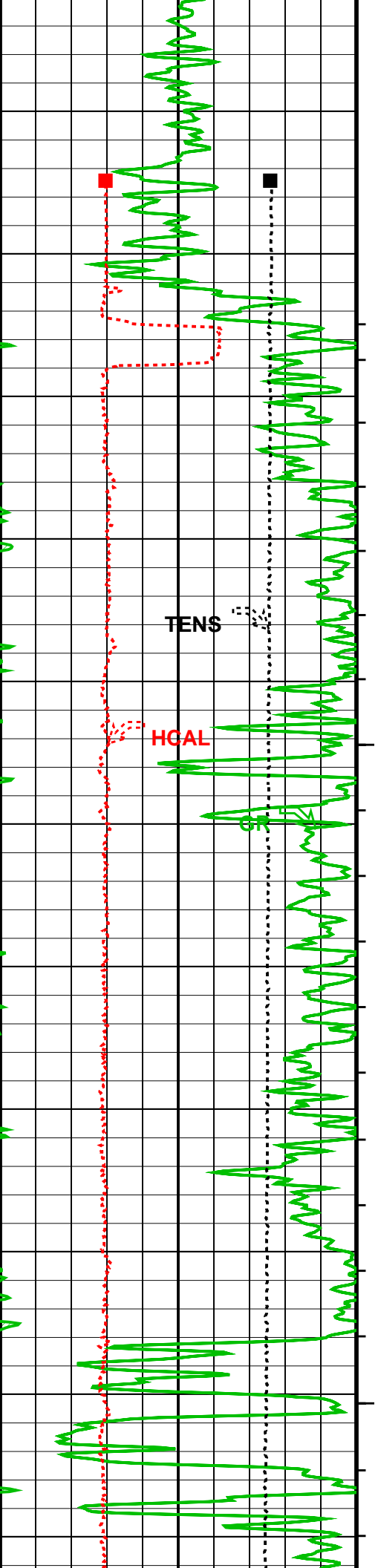
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2300

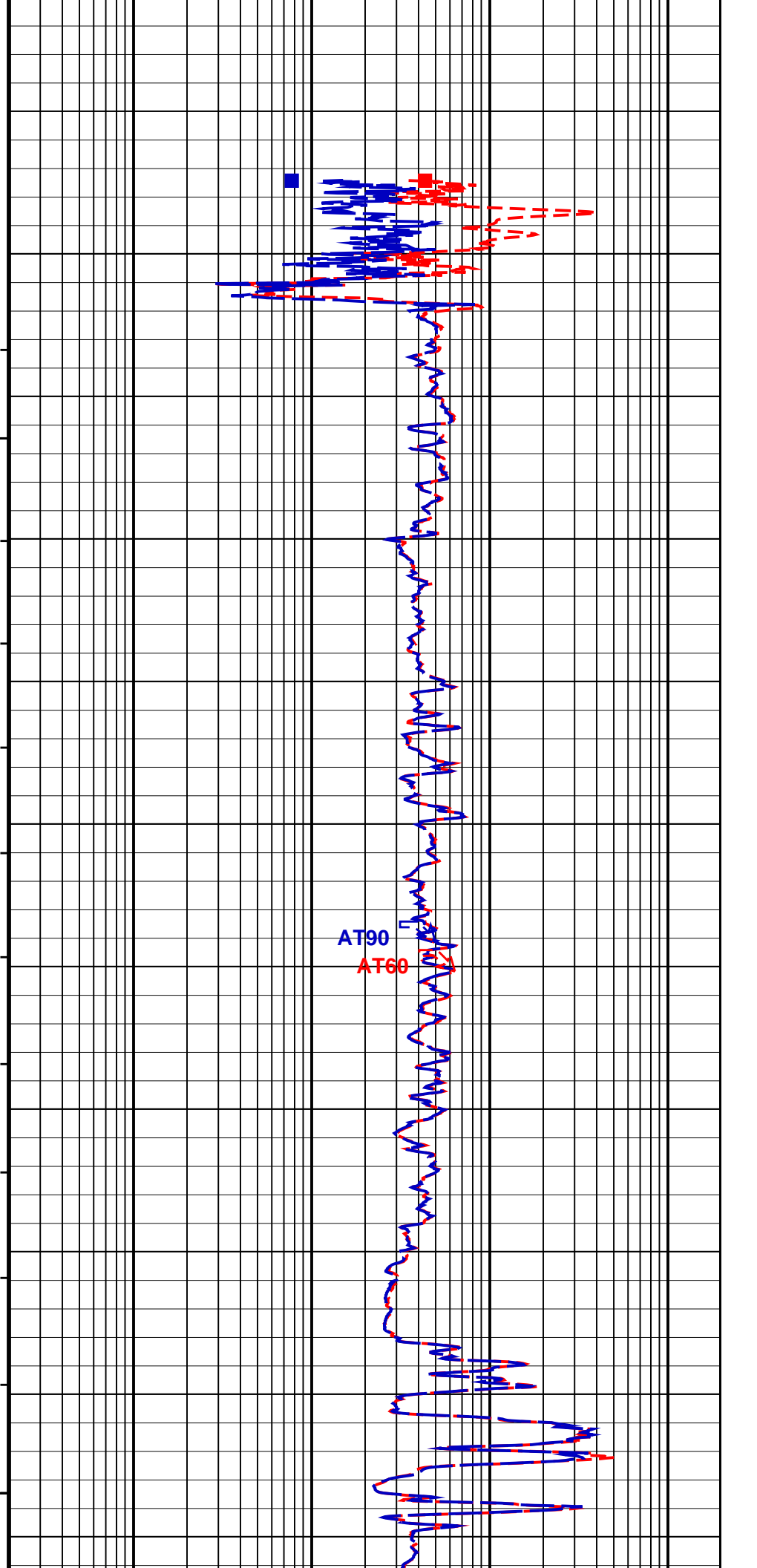
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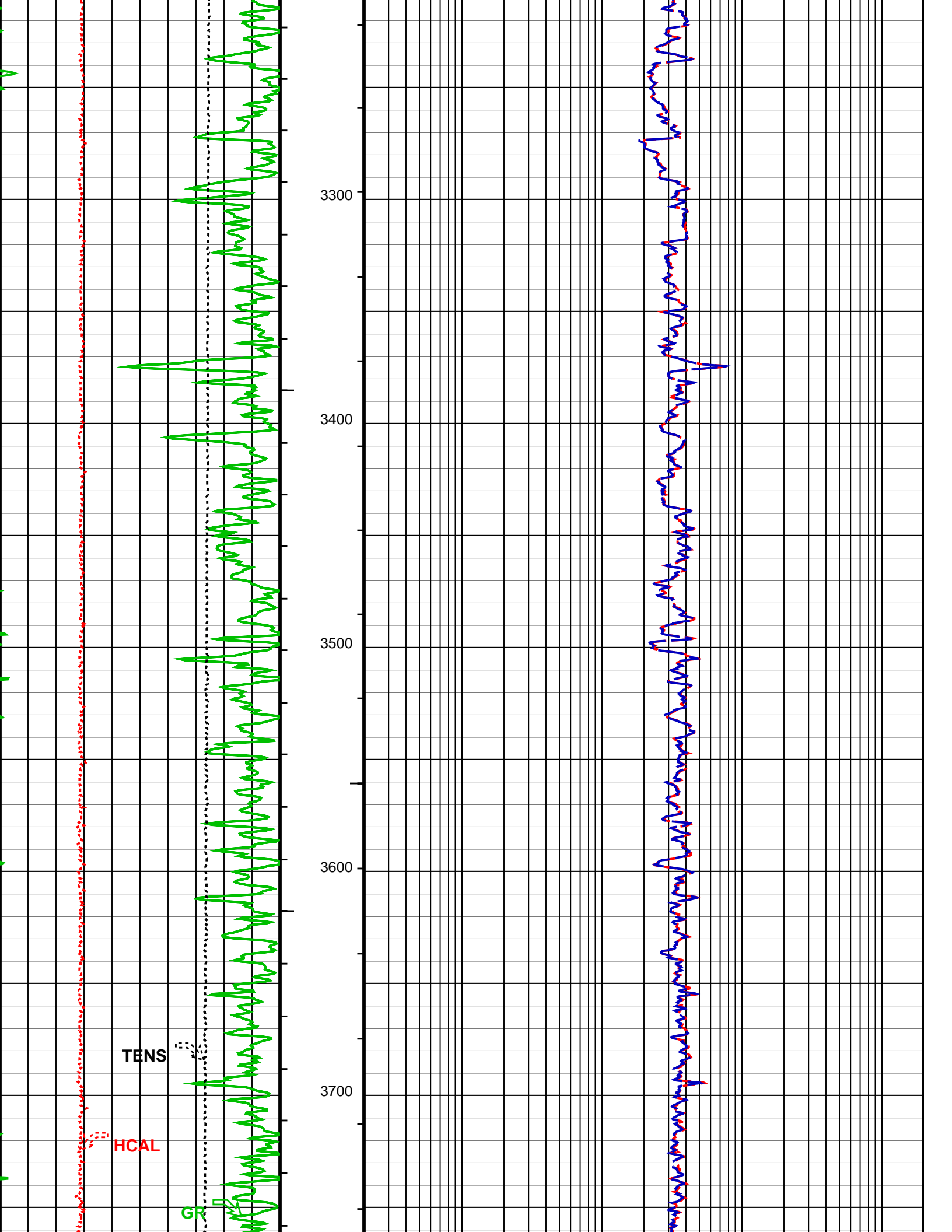
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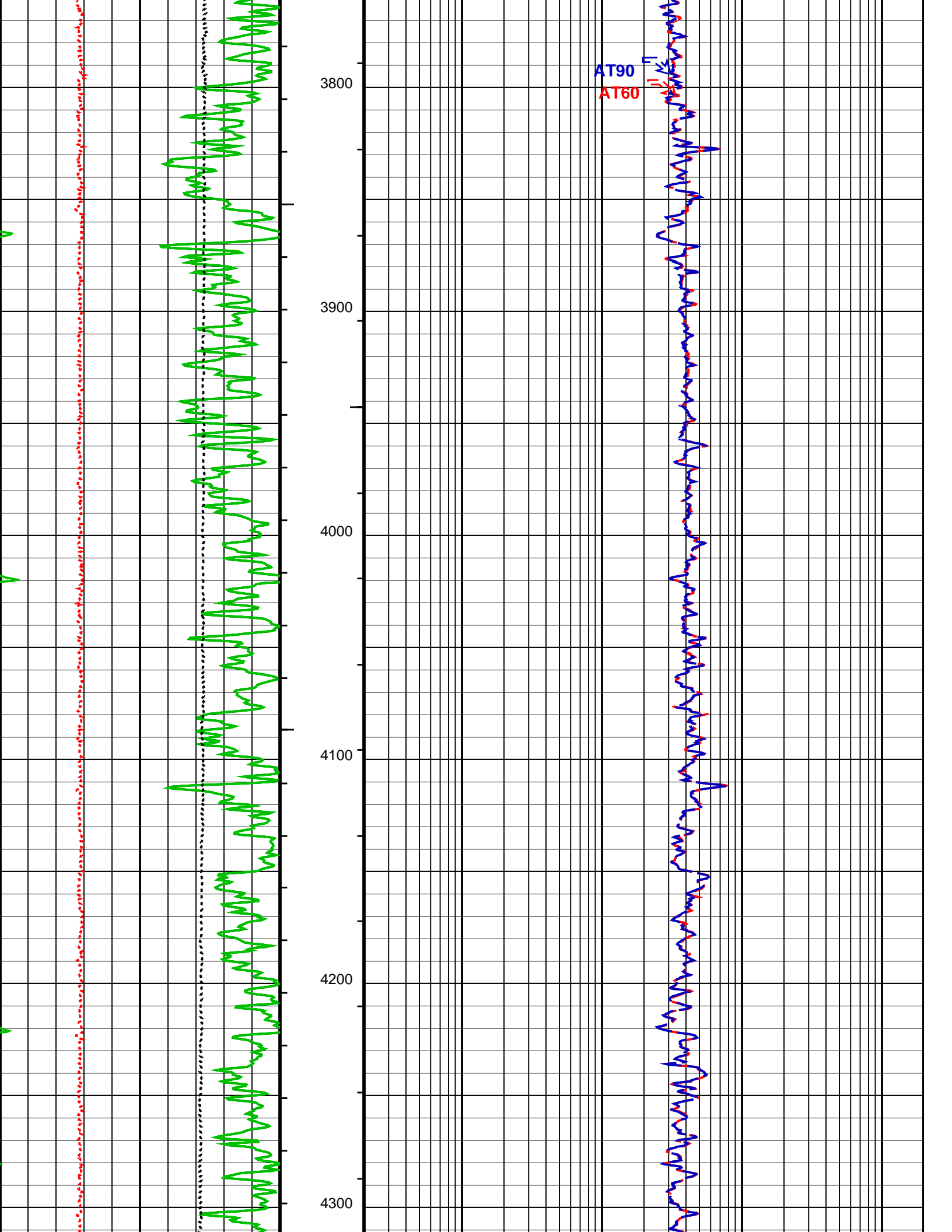
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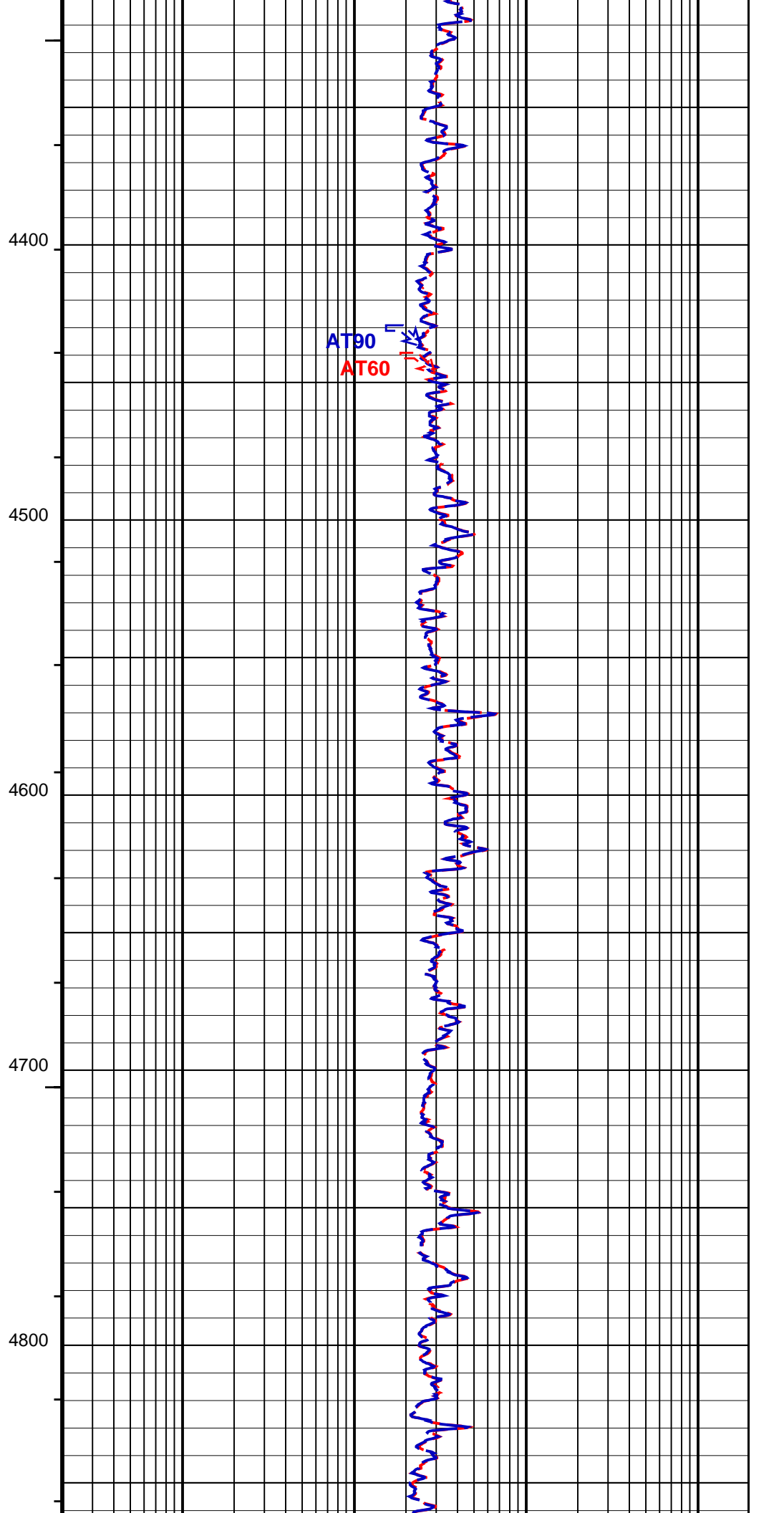
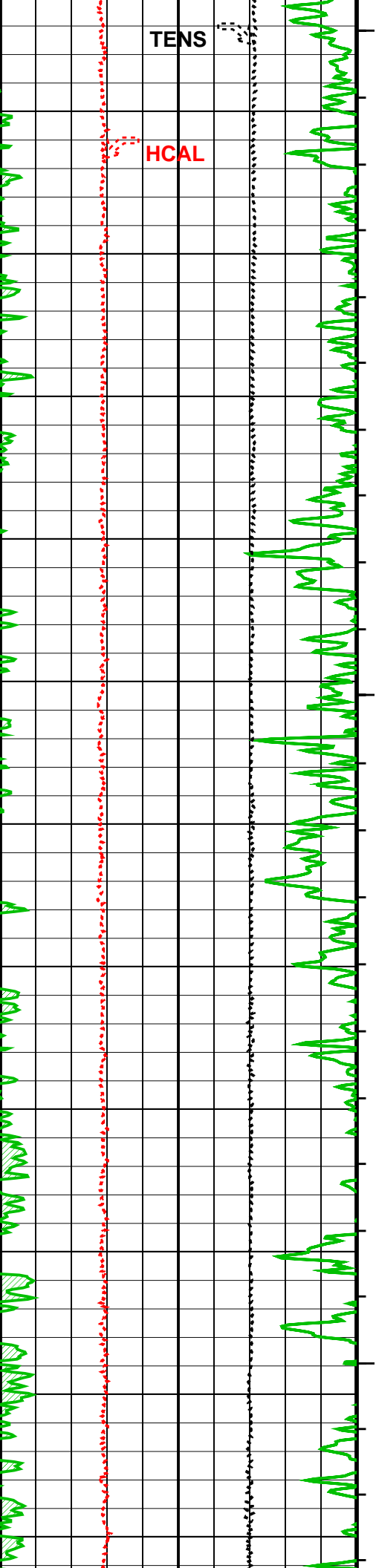


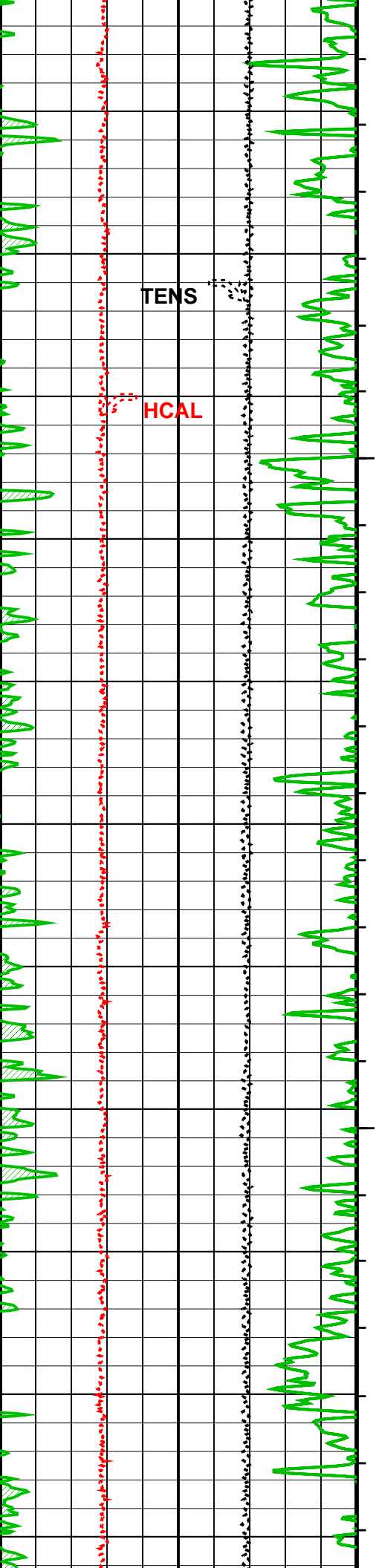
2700
-CSG-
2800
2900
3000
3100
3200











TENS

HCAL

4900

5000

5100

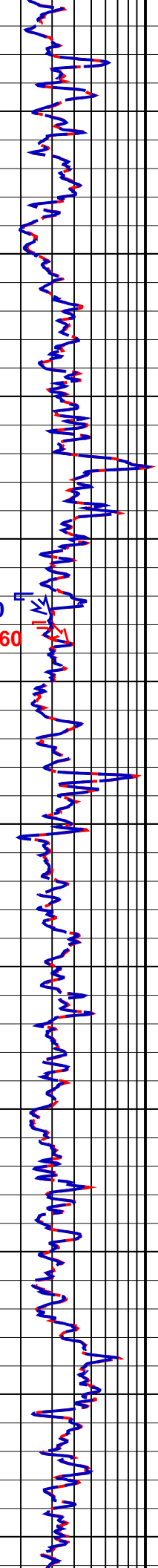
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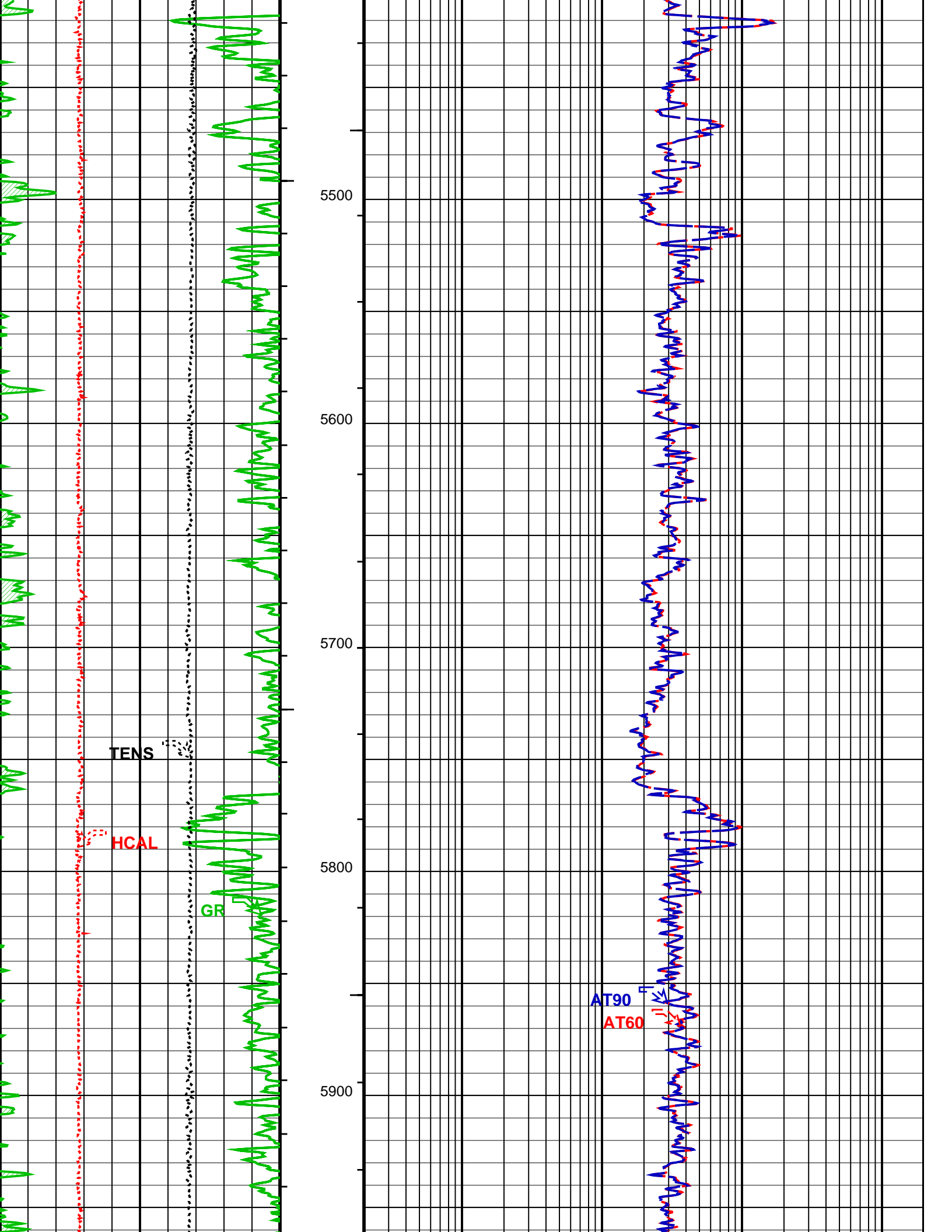
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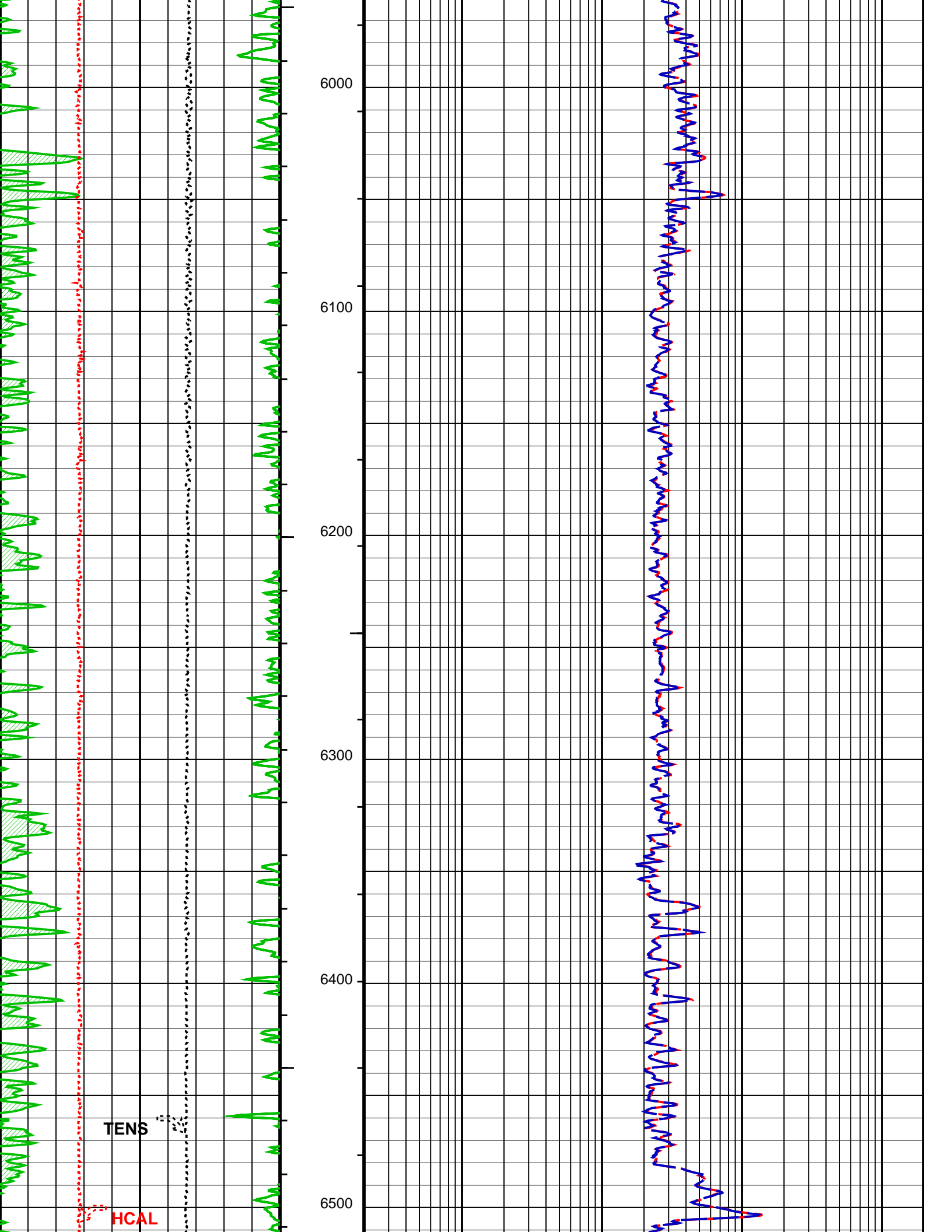
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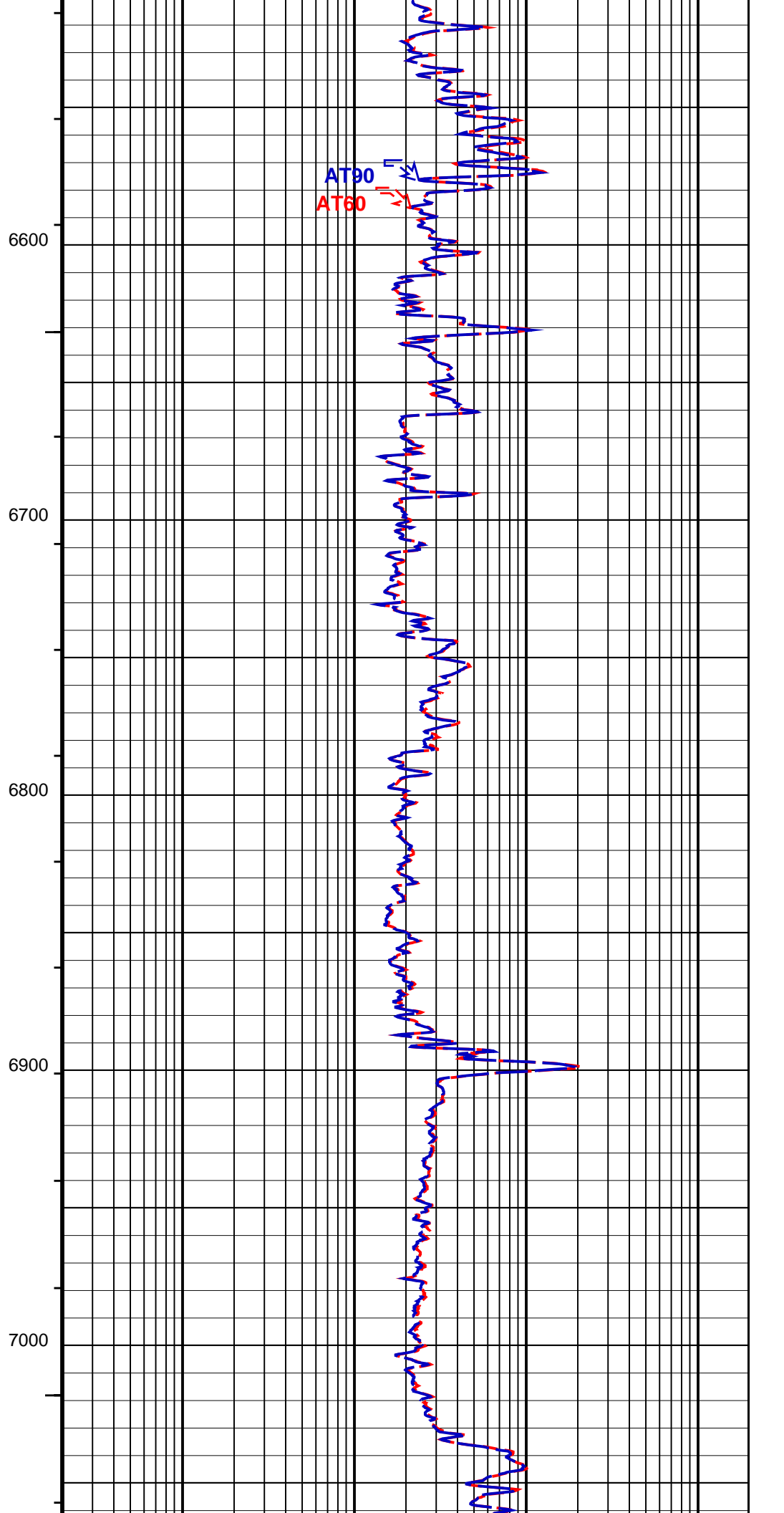
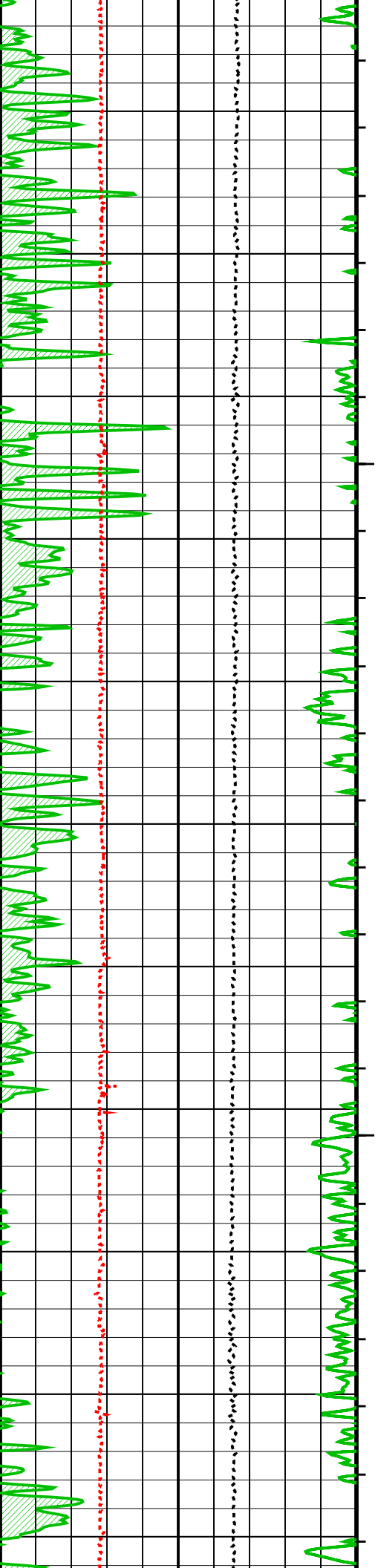
AT90

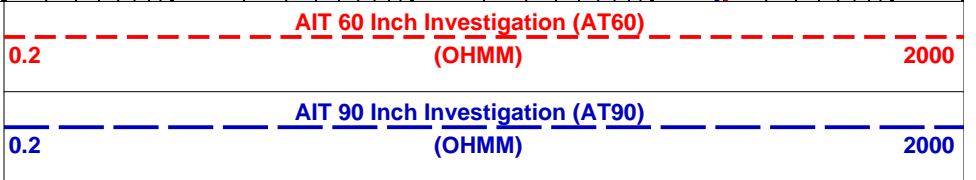
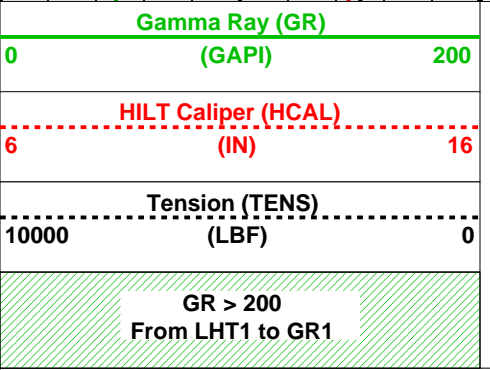
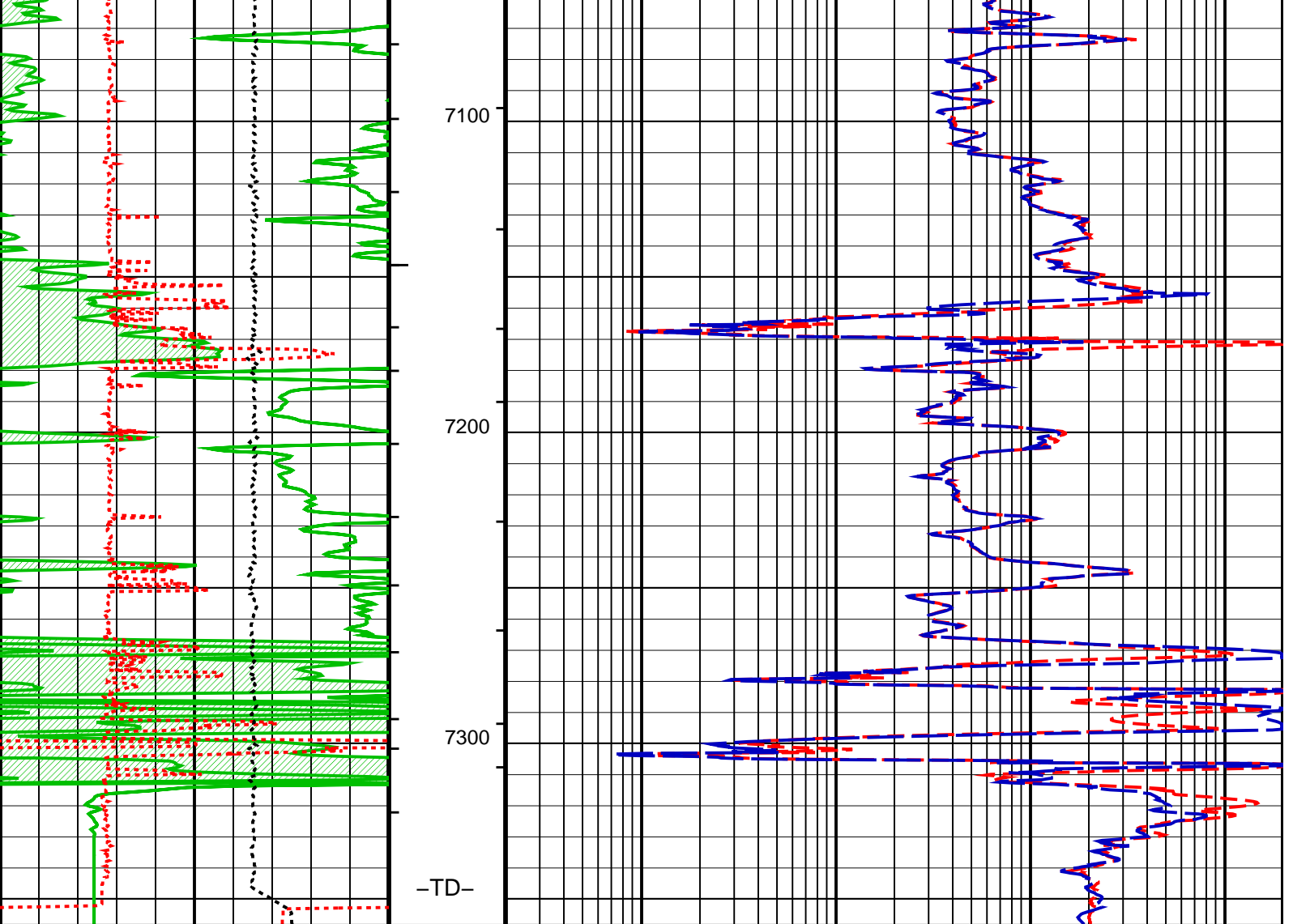
AT60











PIP SUMMARY

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

Parameters

DLIS Name	Description	Value
AIT-M: Array Induction Tool - M		
ABHM	Array Induction Borehole Correction Mode	2_ComputeStandoff
ABHV	Array Induction Borehole Correction Code Version Number	900
ABLM	Array Induction Basic Logs Mode	6_One_Two_and_Four
ABLV	Array Induction Basic Logs Code Version Number	223
ACDE	Array Induction Casing Detection Enable	No
ACEN	Array Induction Tool Centering Flag (in Borehole)	Eccentered
ACSED	Array Induction Casing Shoe Estimated Depth	-50000 FT
AETP	Array Induction Enable Sonde Error Temp&Pres Corr	Yes
AFRSV	Array Induction Response Set Version for Four ft Resolution	41.70.24.20
AIGS	Array Induction Select Akima Interpolation Gating	On
AMPE	Array Induction Mud Resistivity Factor	1

AMRT	Array Induction Mud Resistivity Factor	41.70.24.20	
AORSV	Array Induction Response Set Version for One ft Resolution	701	
ARFV	Array Induction Radial Profiling Code Version Number	232	
ARPV	Array Induction Radial Parametrization Code Version Number	1.5	IN
ASTA	Array Induction Tool Standoff	41.70.24.20	
ATRSV	Array Induction Response Set Version for Two ft Resolution	Internal	
ATSE	Array Induction Temperature Selection(Sonde Error Correction)	Normal	
AULV	Array Induction User Level Control	00.10.25.00	
AZRSV	Array Induction Response Set Version for Z Resolution	125	DEGF
BHT	Bottom Hole Temperature (used in calculations)	2	
FEXP	Form Factor Exponent	1	
FNUM	Form Factor Numerator	BS	
GCSE	Generalized Caliper Selection	0	DEG
GDEV	Average Angular Deviation of Borehole from Normal	0.01	DF/F
GGRD	Geothermal Gradient	CHART_GEN_9	
GRSE	Generalized Mud Resistivity Selection	LINEAR_ESTIMATE	
GTSE	Generalized Temperature Selection	80	DEGF
SHT	Surface Hole Temperature		
HILTH-FTB: High resolution Integrated Logging Tool-DTS			
BHT	Bottom Hole Temperature (used in calculations)	125	DEGF
FEXP	Form Factor Exponent	2	
FNUM	Form Factor Numerator	1	
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	80	DEGF
CNT-G: Compensated Neutron - G			
BHT	Bottom Hole Temperature (used in calculations)	125	DEGF
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	80	DEGF
SGT-N: Scintillation Gamma Ray Tool - N			
BHT	Bottom Hole Temperature (used in calculations)	125	DEGF
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	80	DEGF
HOLEV: Integrated Hole/Cement Volume			
BHT	Bottom Hole Temperature (used in calculations)	125	DEGF
FCD	Future Casing (Outer) Diameter	5.5	IN
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
HVCS	Integrated Hole Volume Caliper Selection	AUTOMATIC	
SHT	Surface Hole Temperature	80	DEGF
System and Miscellaneous			
BS	Bit Size	8.750	IN
DFD	Drilling Fluid Density	0.00	LB/G
DO	Depth Offset for Playback	0.0	FT
FLEV	Fluid Level	-50000.00	FT
MST	Mud Sample Temperature	-50000.00	DEGF
PP	Playback Processing	RECOMPUTE	
TD	Total Depth	7346	FT

Format: AIT_MAIN_2 Vertical Scale: 2" per 100' Graphics File Created: 31-Aug-2010 05:58

OP System Version: 17C0-154

AIT-M	17C0-154	HILTH-FTB	17C0-154
CNT-G	SPC-3867-NUCL	DTA-A	SKK-3882-EDTCB
AGDT-AA	17C0-154	AGDT2-AA	17C0-154
SGT-N	17C0-154	DTC-H	17C0-154

Input DLIS Files

DEFAULT MERGE_AIT_AGDT_TLD_020GUP FN:1 PRODUCER 31-Aug-2010 05:57 7358.0 FT 19.0 FT

Output DLIS Files

DEFAULT AIT_TLD_MCFL_CNL_021PUP FN:17 PRODUCER 31-Aug-2010 05:58

Input DLIS Files

DEFAULT MERGE_AIT_AGDT_TLD_020GUP FN:1 PRODUCER 31-Aug-2010 05:57 7358.0 FT 19.0 FT

Output DLIS Files

DEFAULT AIT_TLD_MCFL_CNL_021PUP FN:17 PRODUCER 31-Aug-2010 05:58 7358.0 FT 19.5 FT

Integrated Hole/Cement Volume Summary

Hole Volume = 1975.57 F3

Cement Volume = 1219.29 F3 (assuming 5.50 IN casing O.D.)

Computed from 7346.0 FT to 2762.0 FT using data channel(s) HCAL

OP System Version: 17C0-154

AIT-M	17C0-154	HILTH-FTB	17C0-154
CNT-G	SPC-3867-NUCL	DTA-A	SKK-3882-EDTCB
AGDT-AA	17C0-154	AGDT2-AA	17C0-154
SGT-N	17C0-154	DTC-H	17C0-154

PIP SUMMARY

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

GR > 200
From LHT1 to GR1

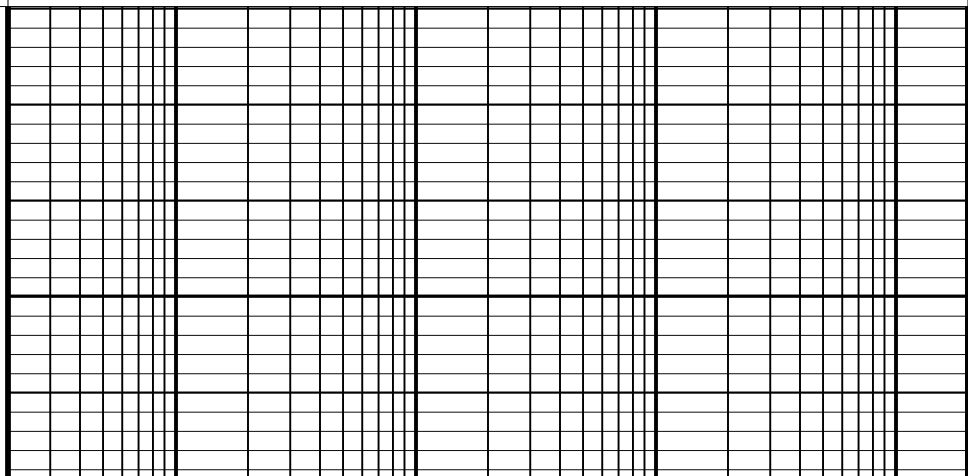
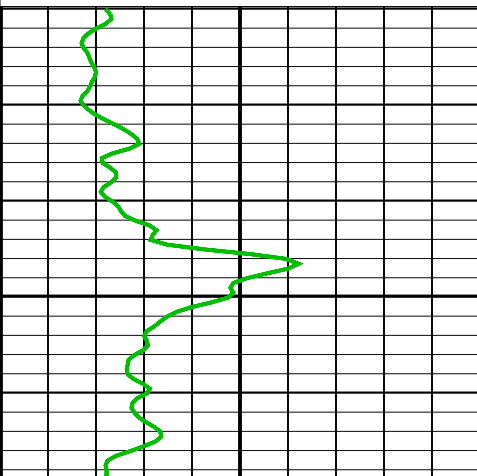
Tension (TENS)
(LBF) 0

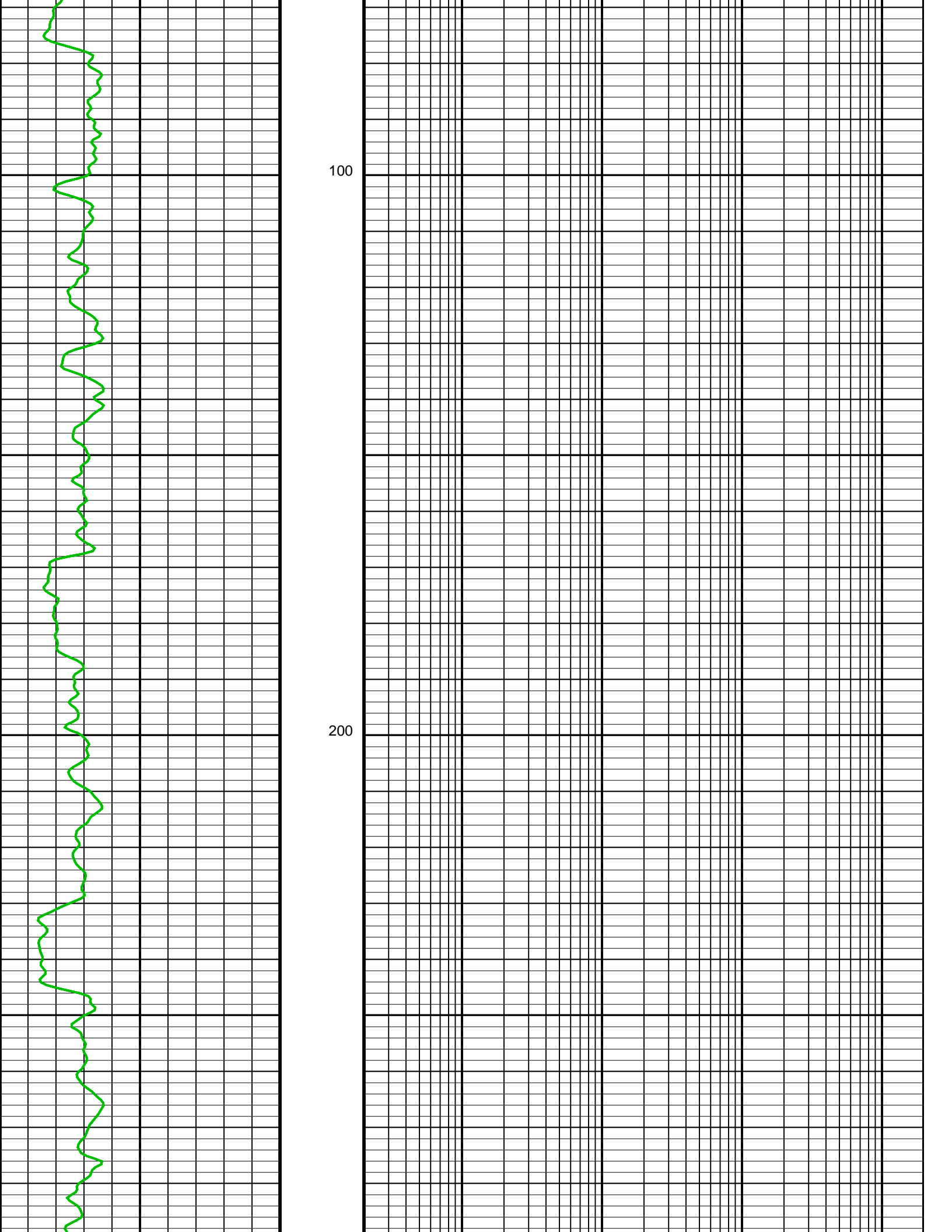
HILT Caliper (HCAL)
(IN) 6 16

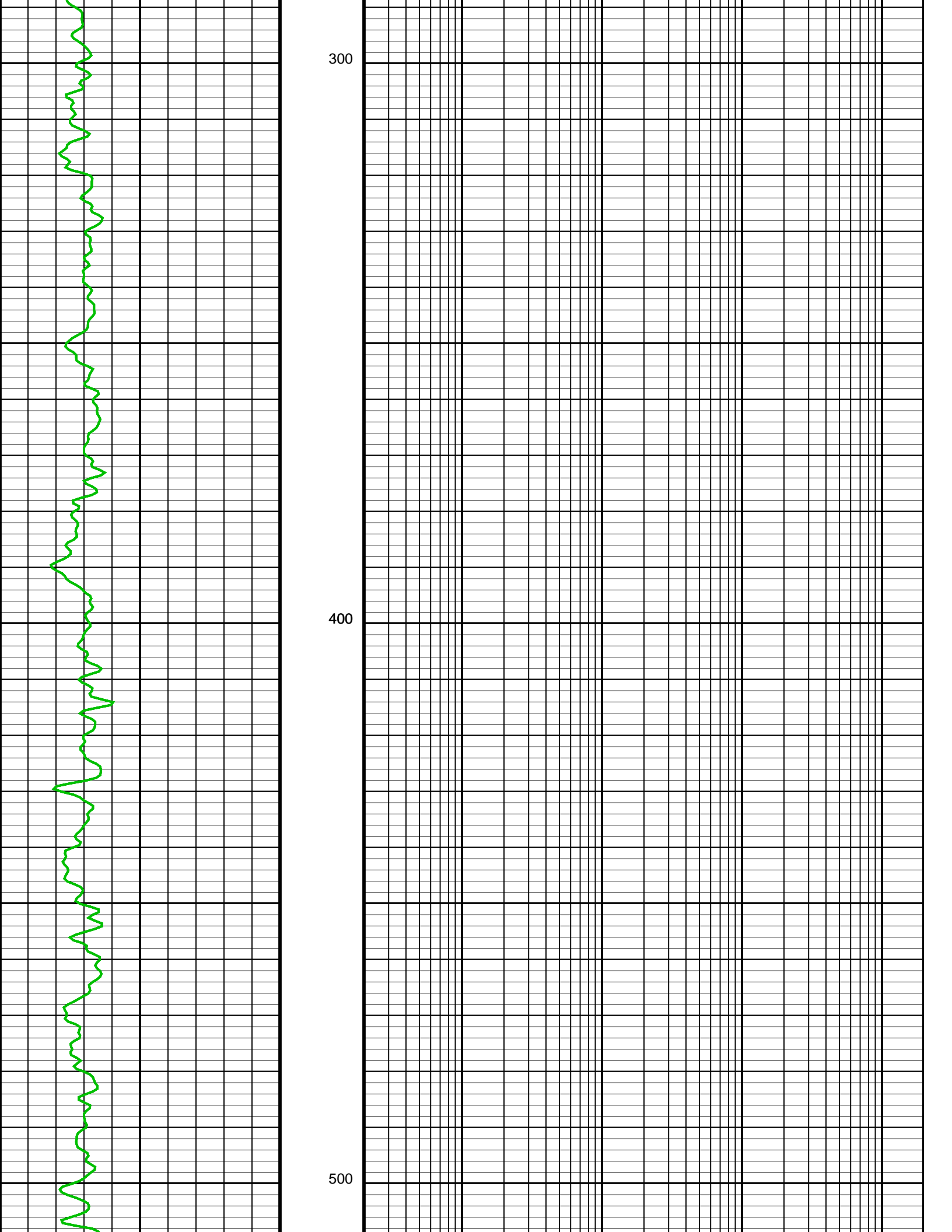
Gamma Ray (GR)
(GAPI) 0 200

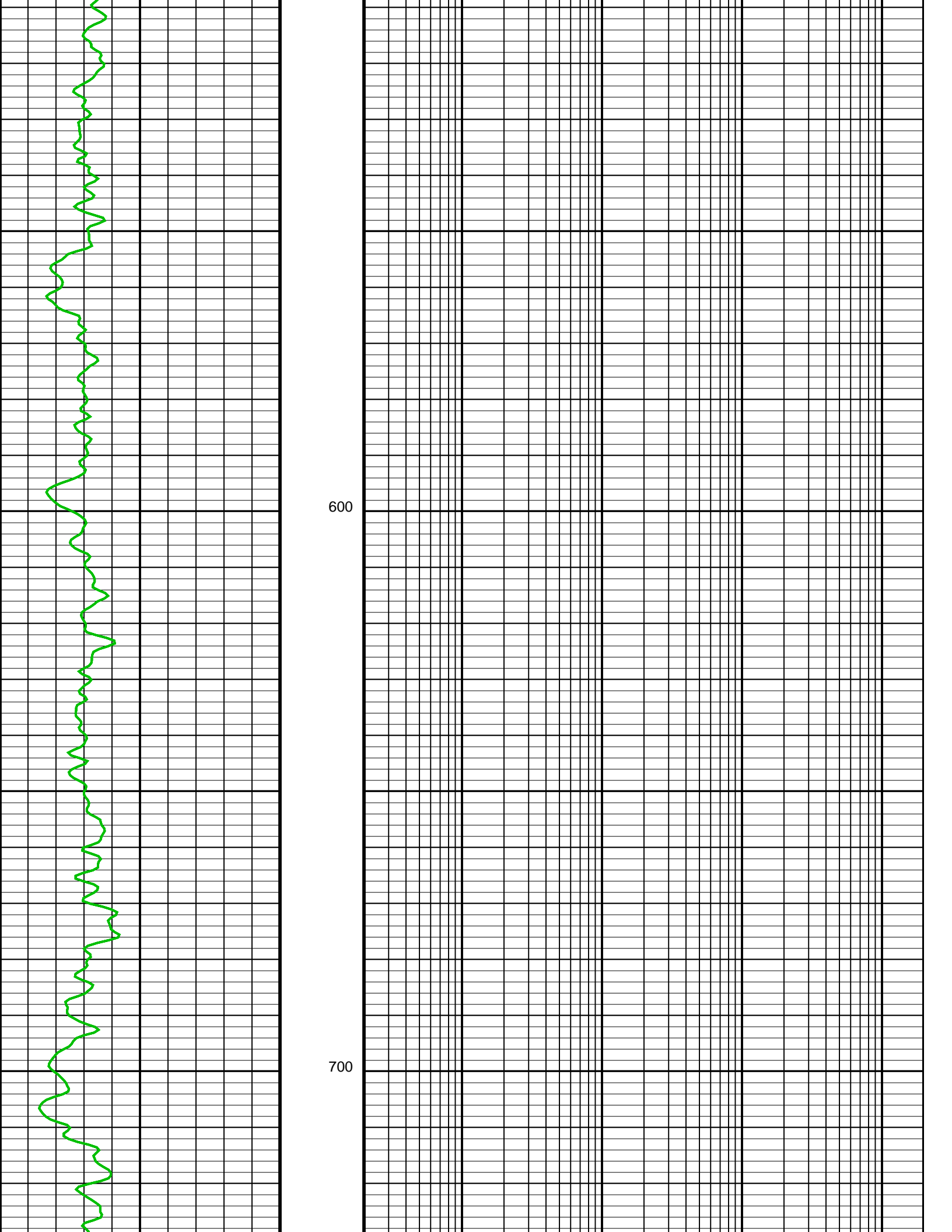
AIT 90 Inch Investigation (AT90)
(OHMM) 0.2 2000

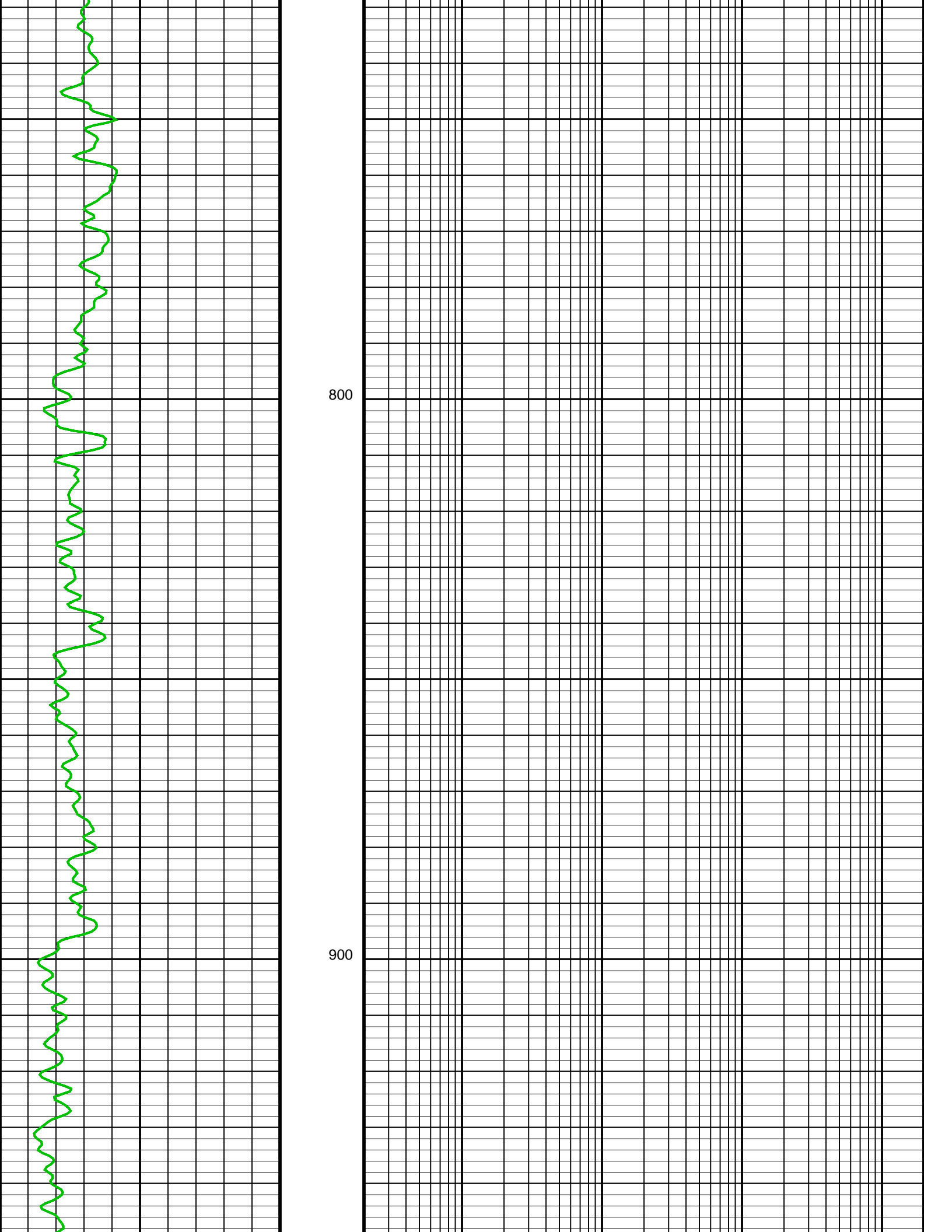
AIT 60 Inch Investigation (AT60)
(OHMM) 0.2 2000

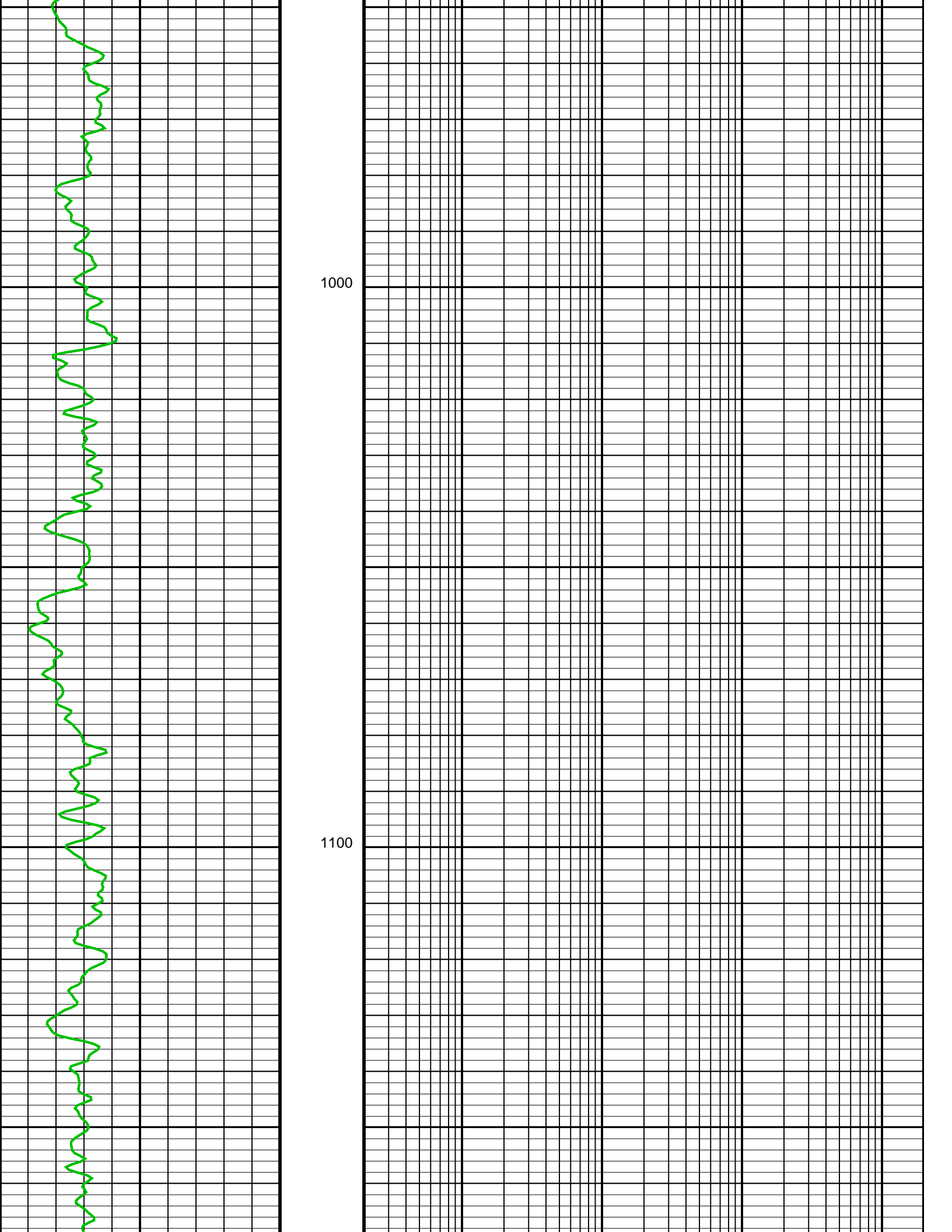


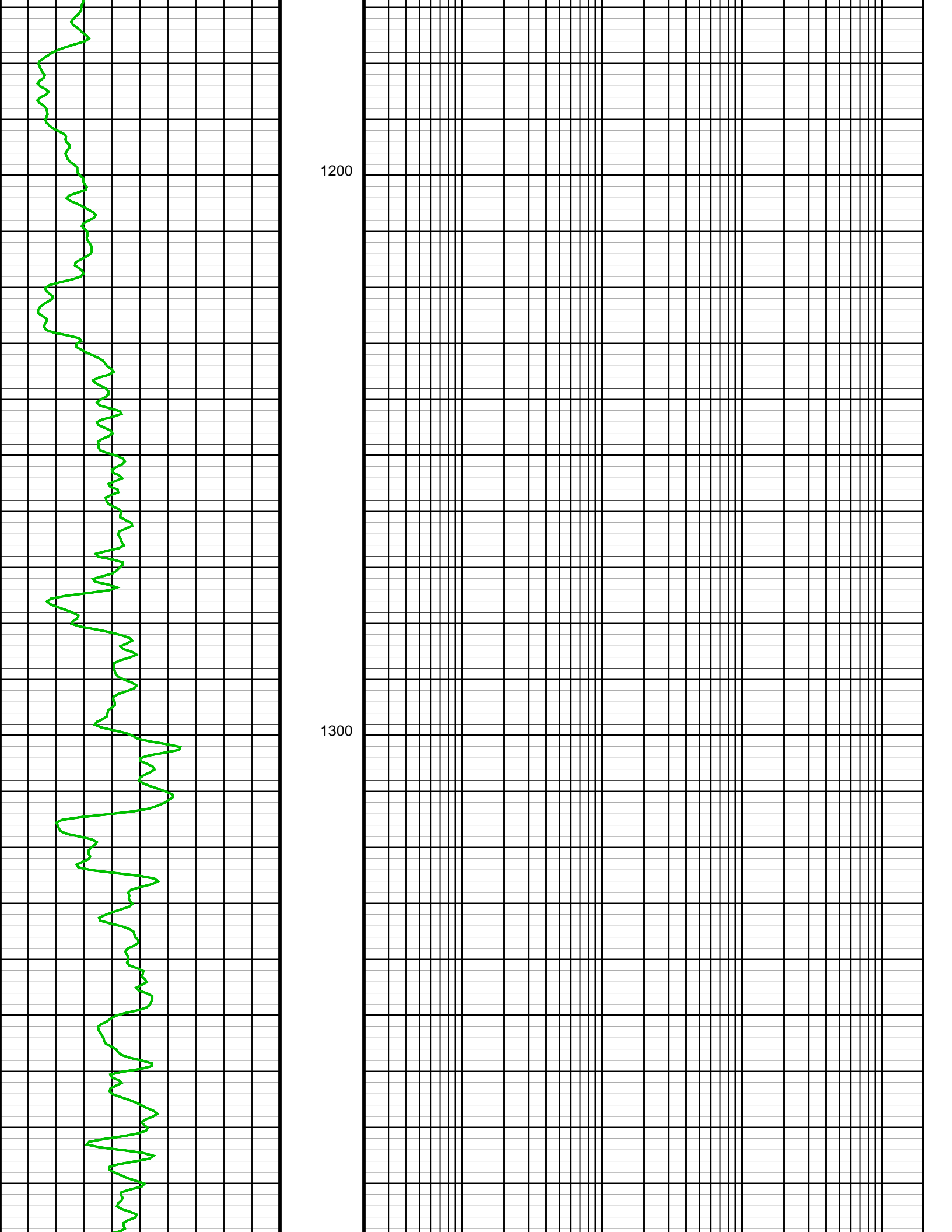


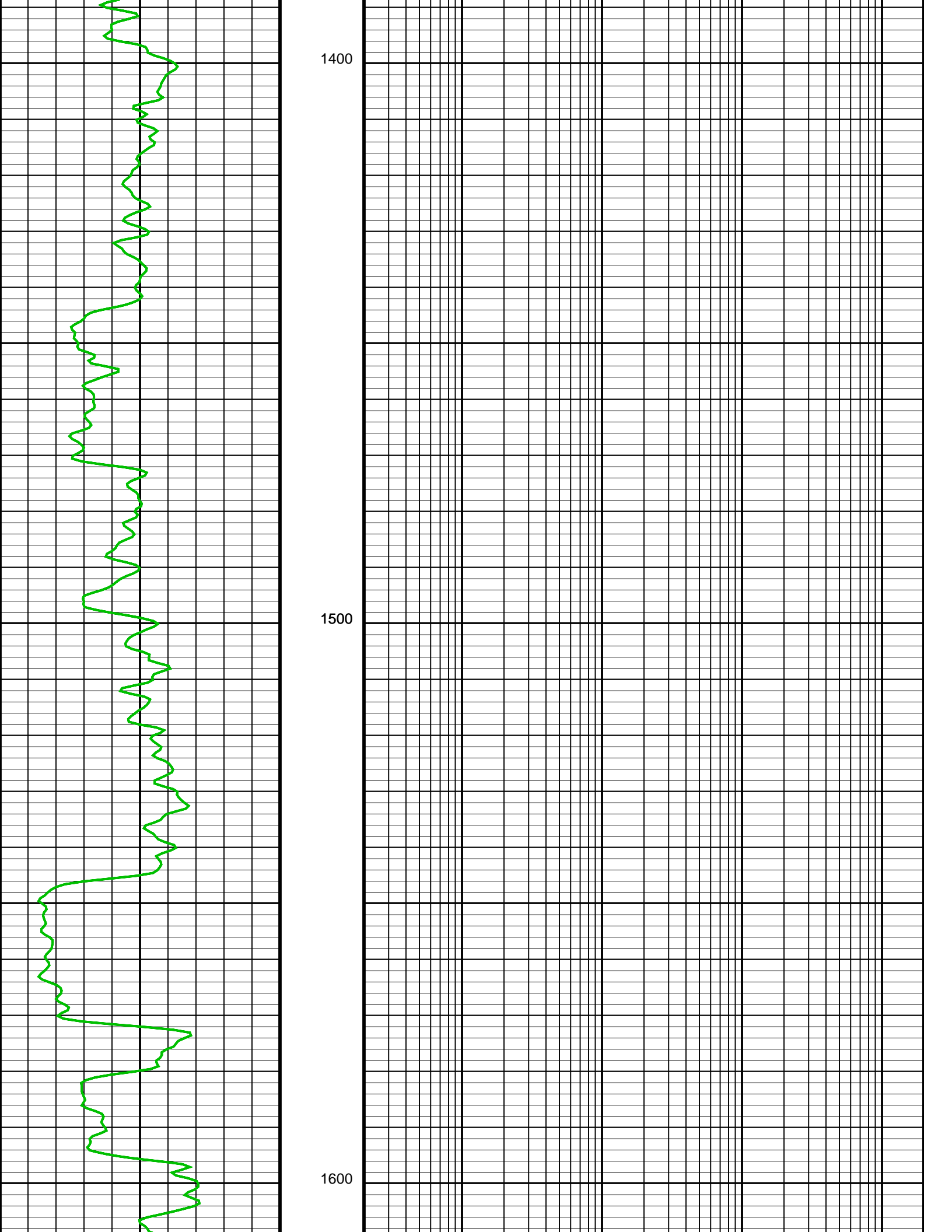


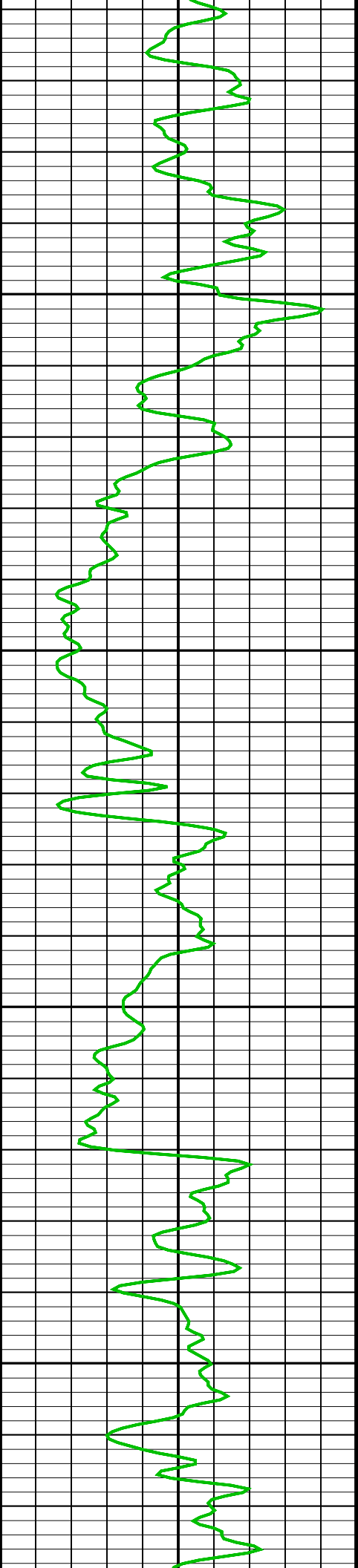






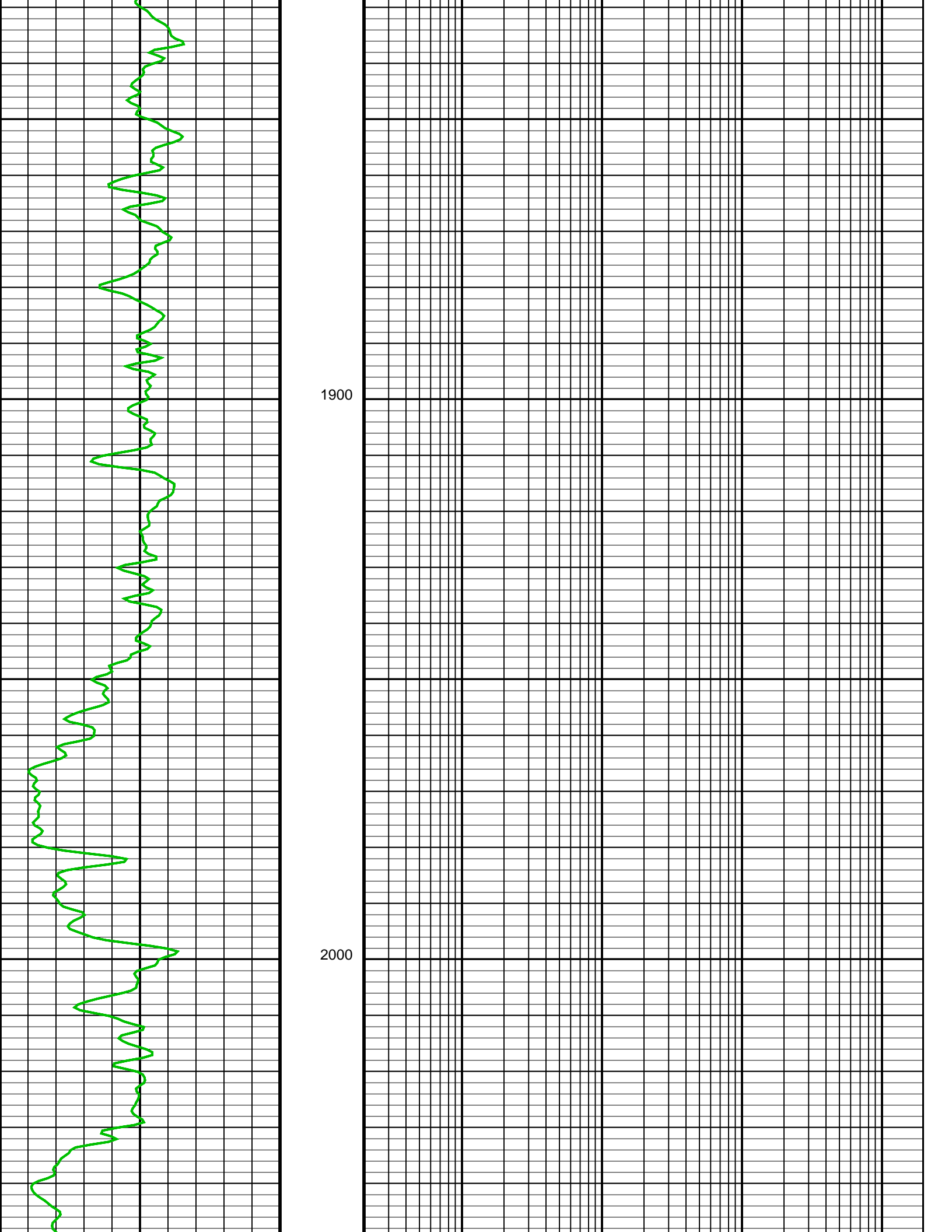


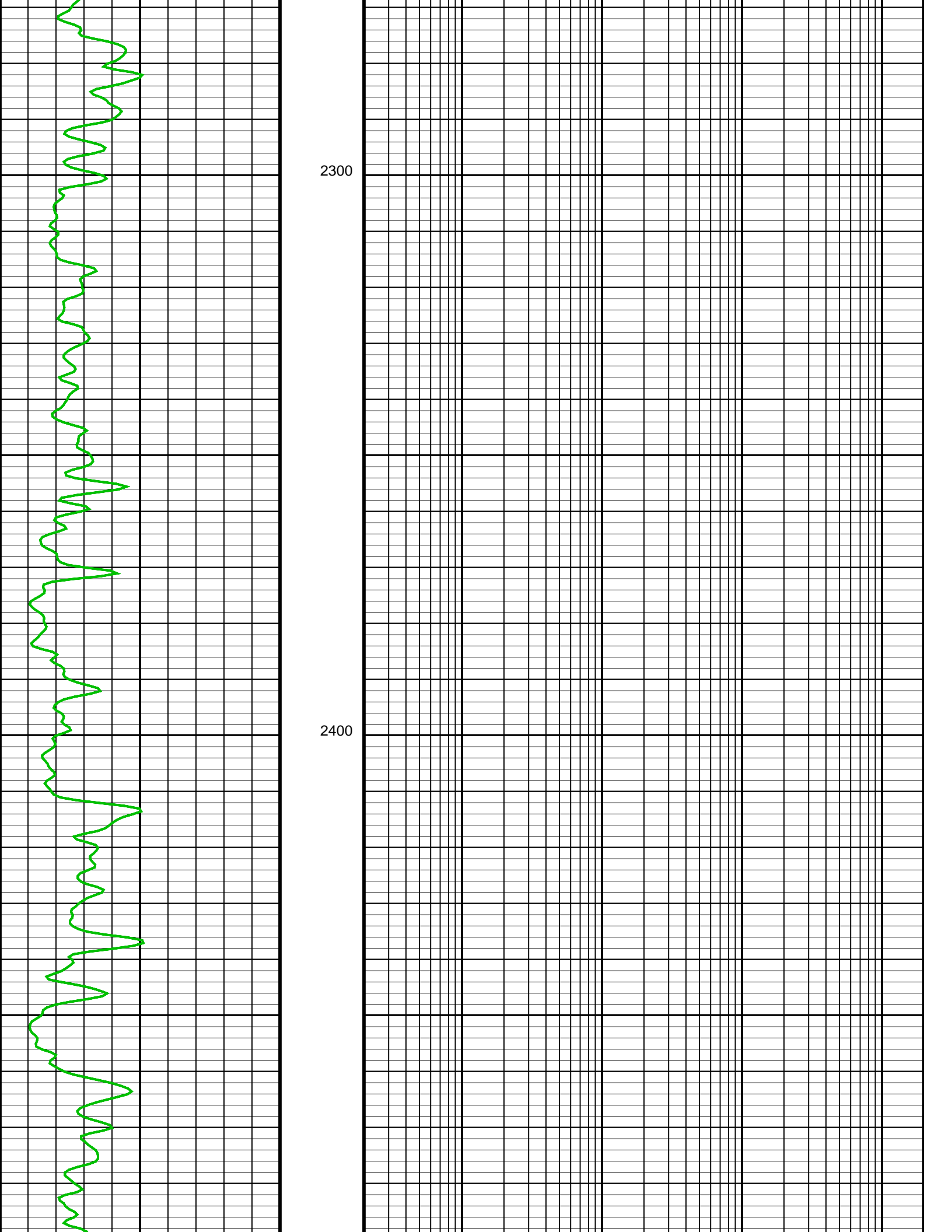




1700

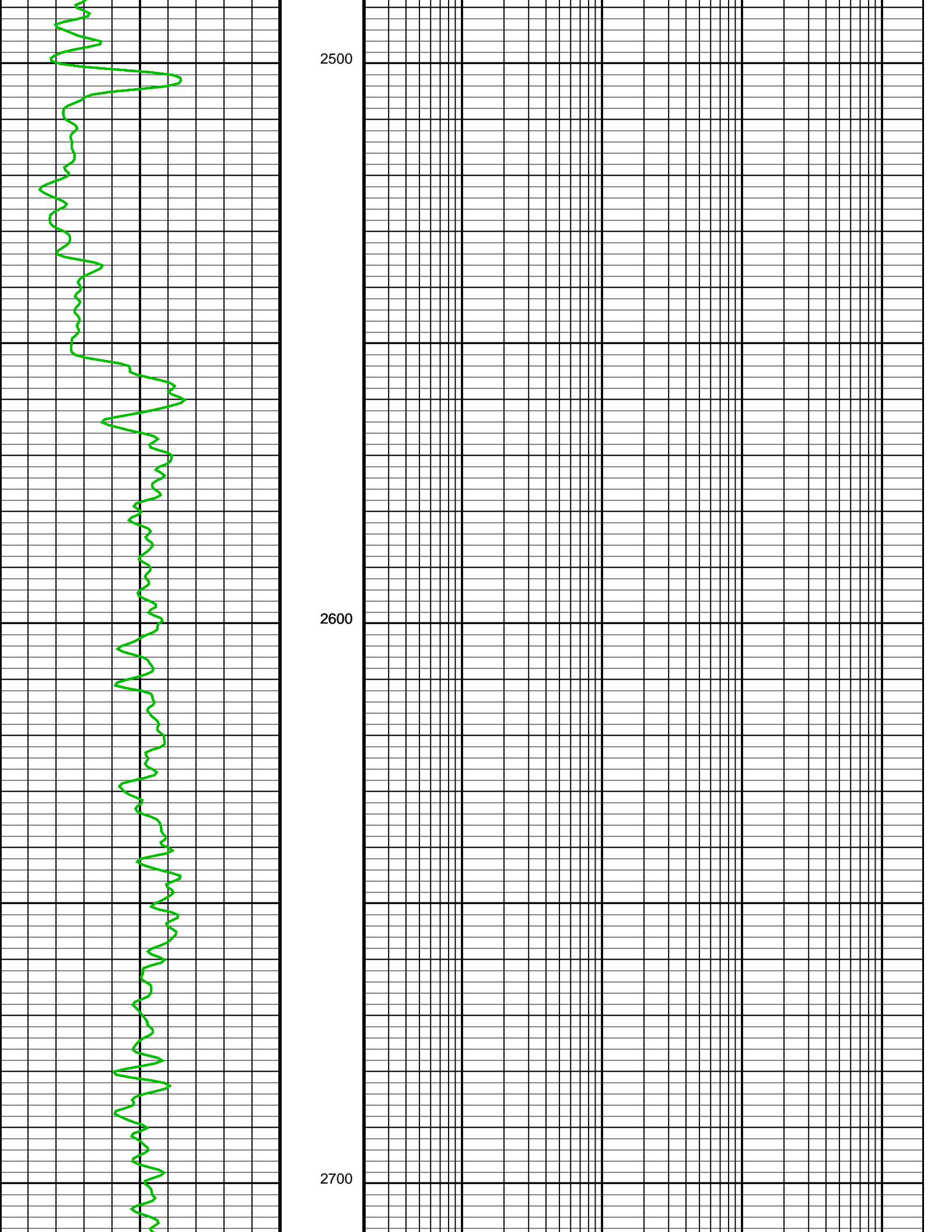
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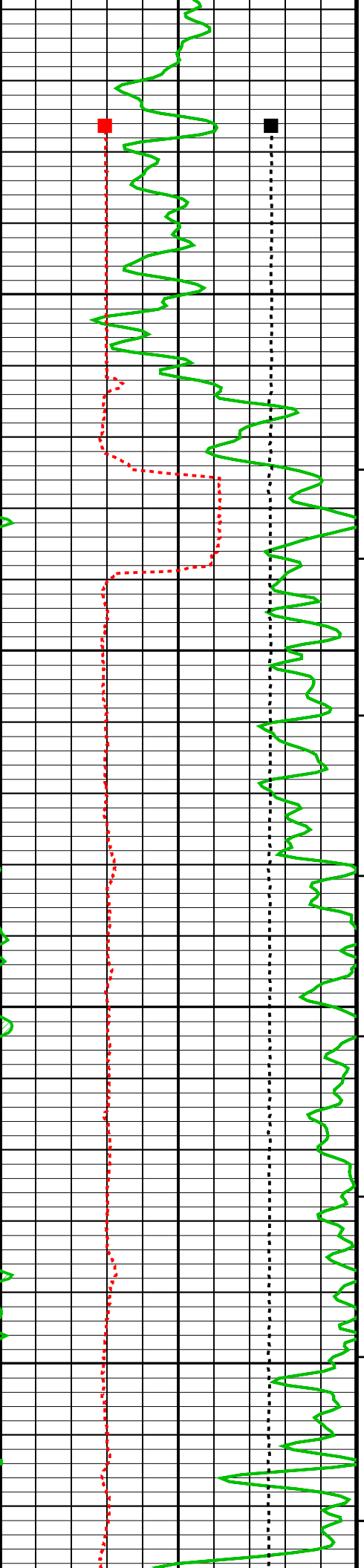




2300

2400

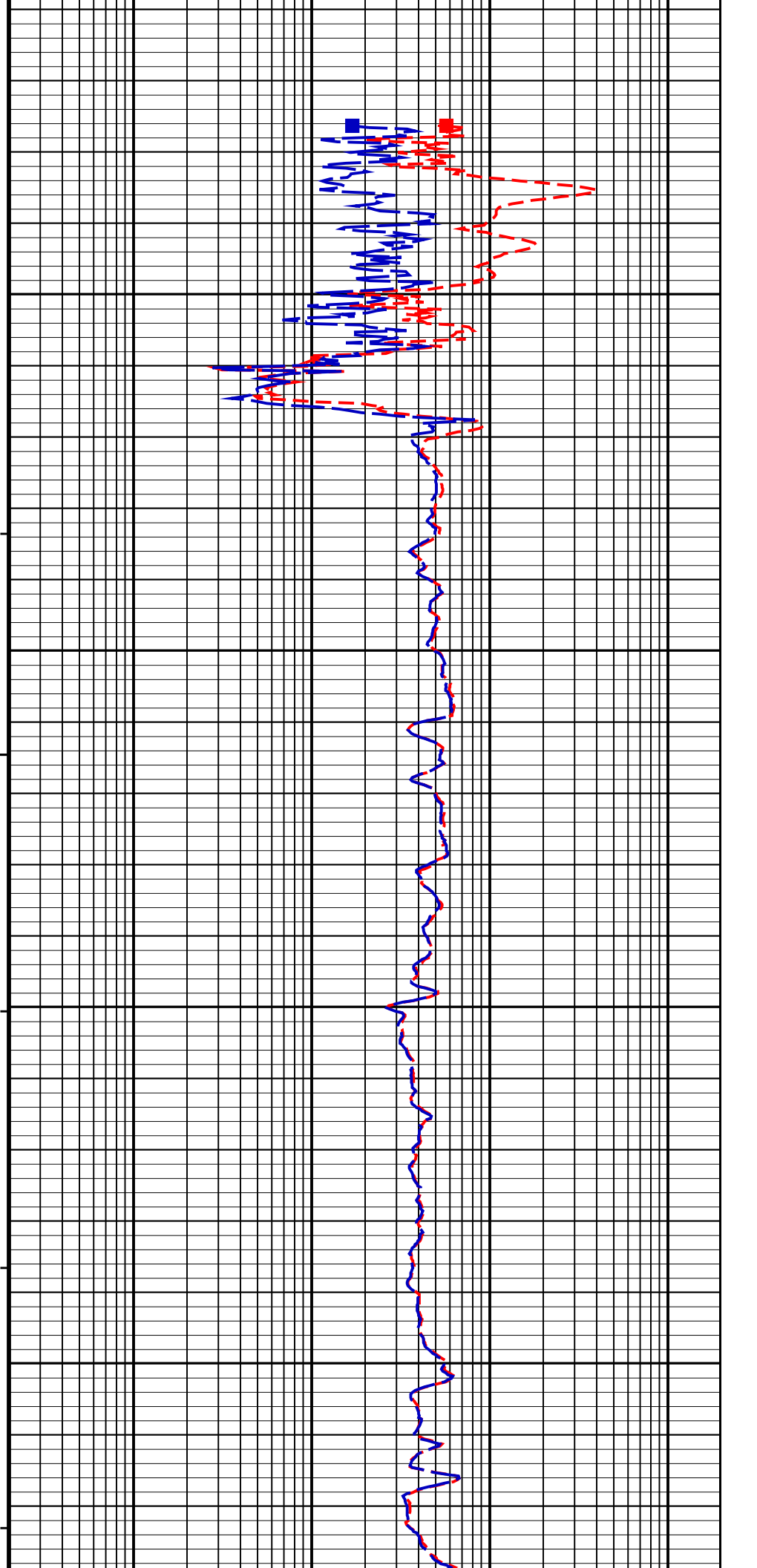


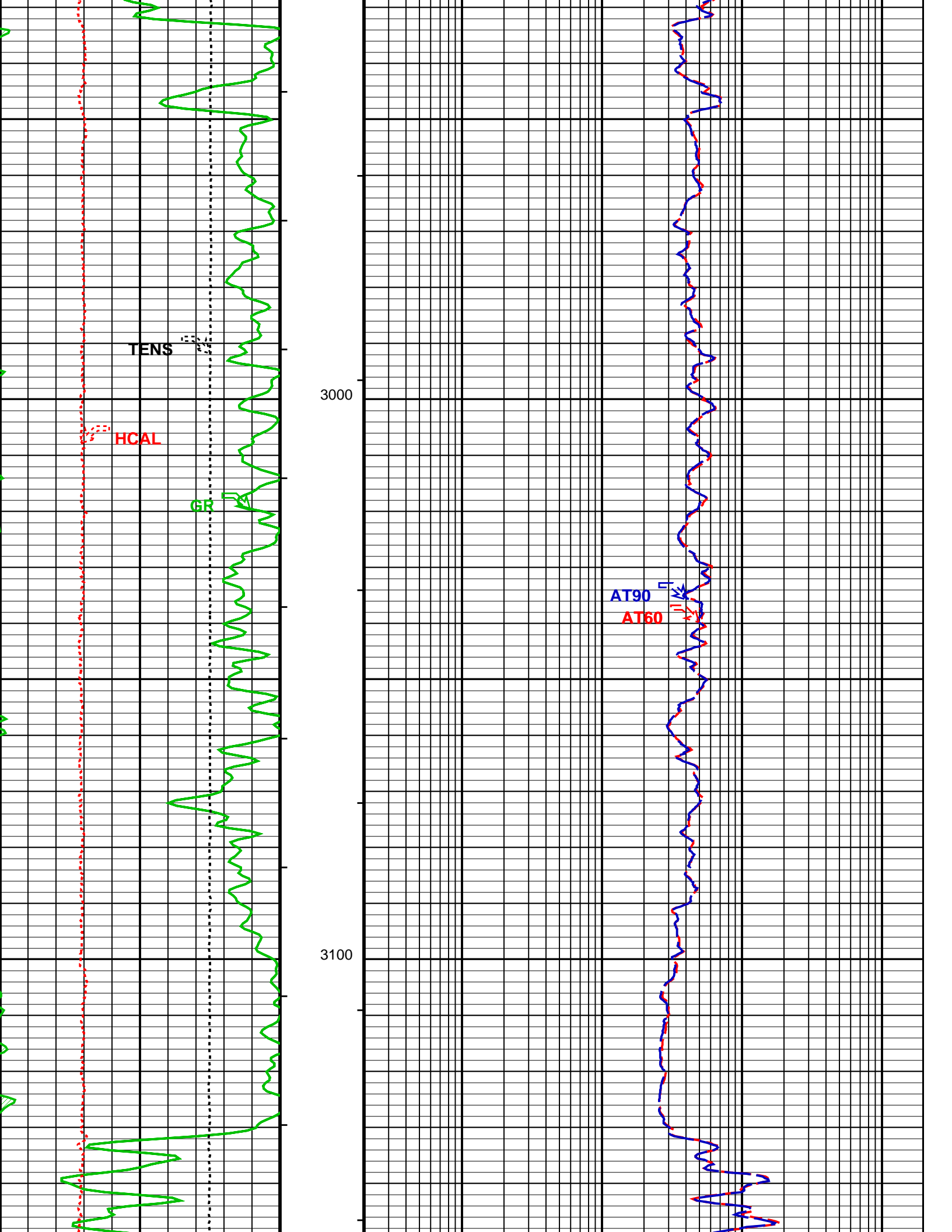


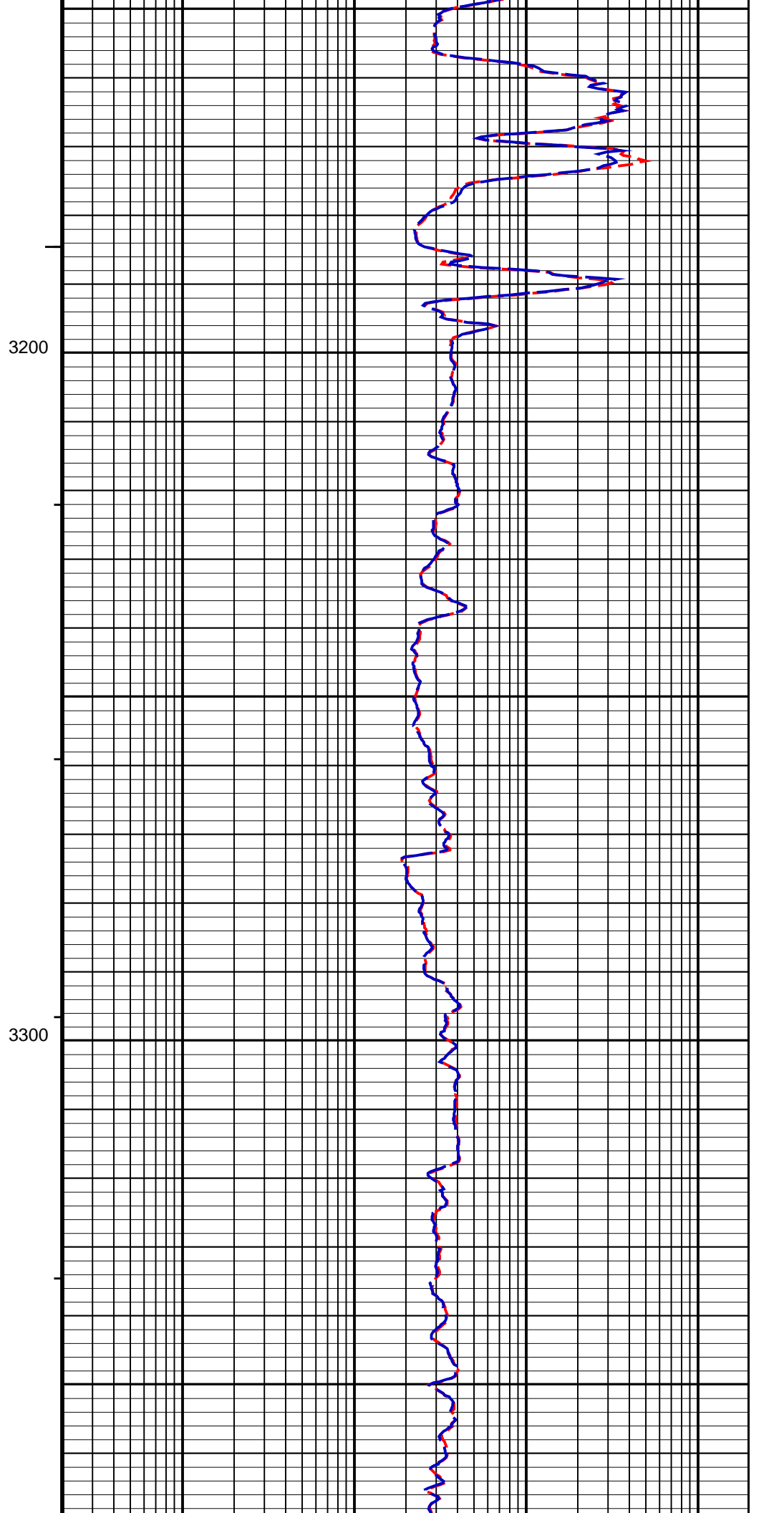
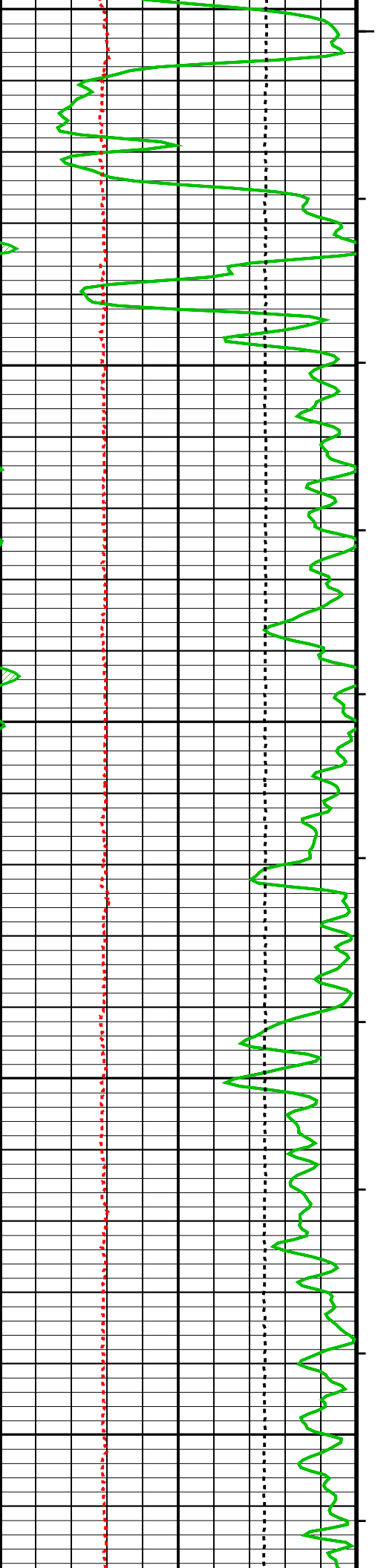
-CSG-

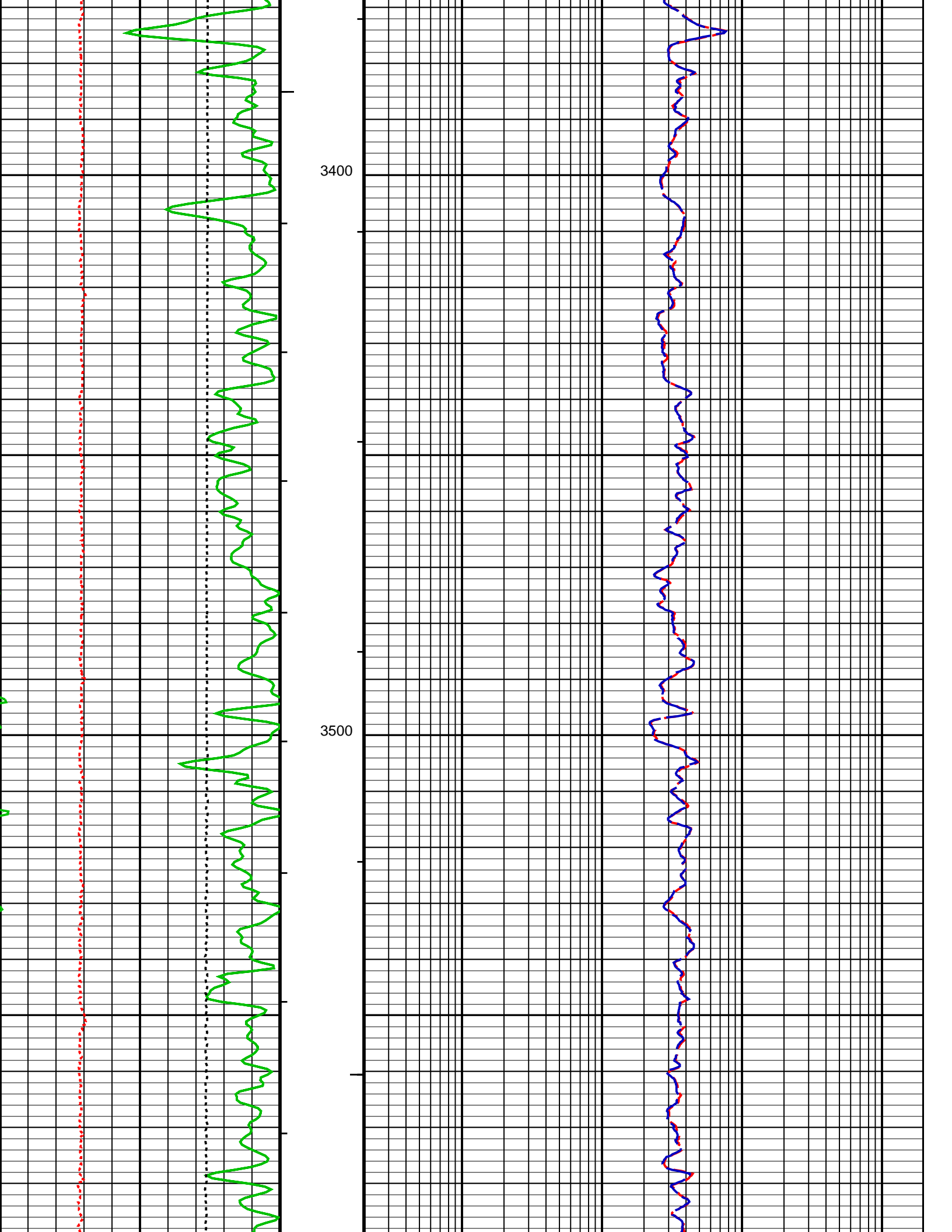
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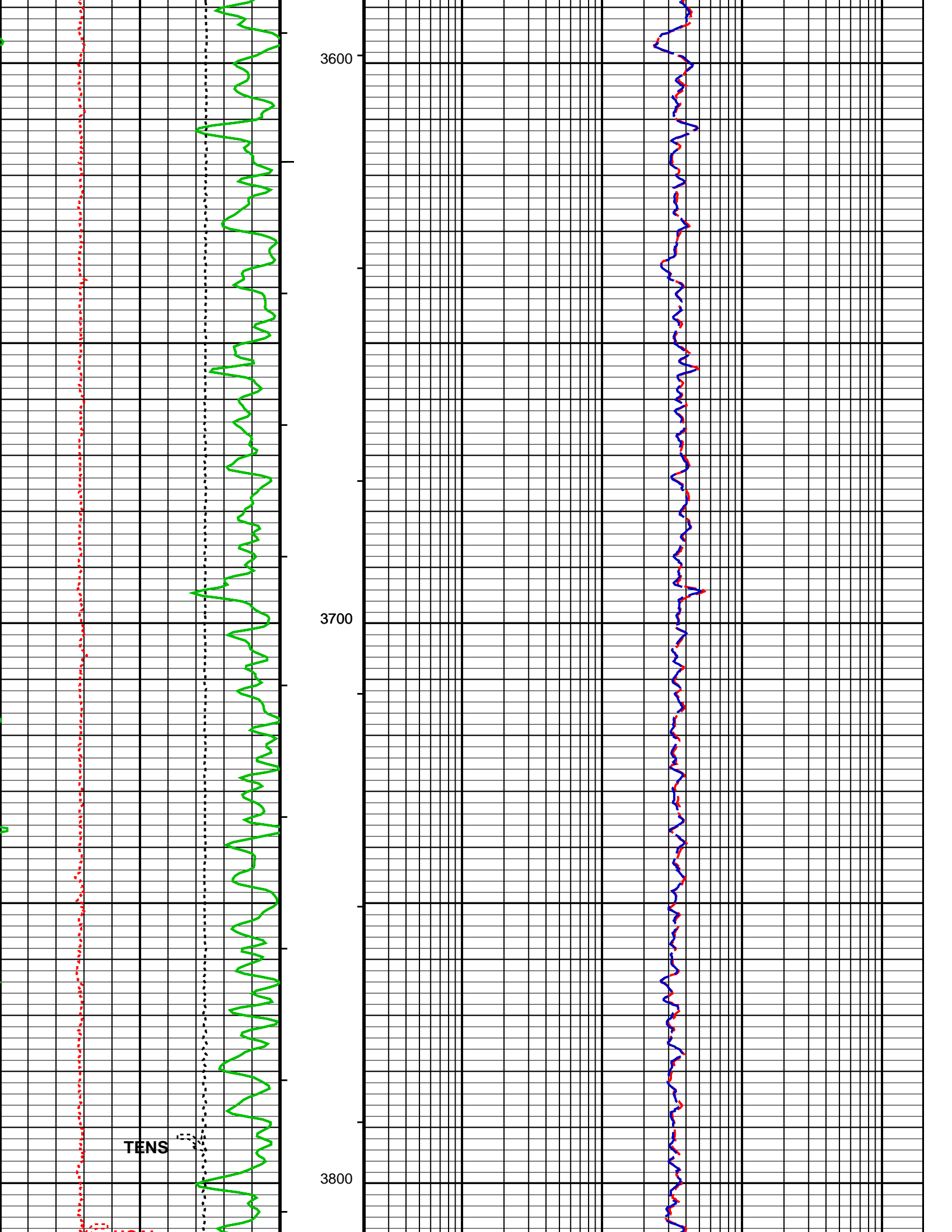
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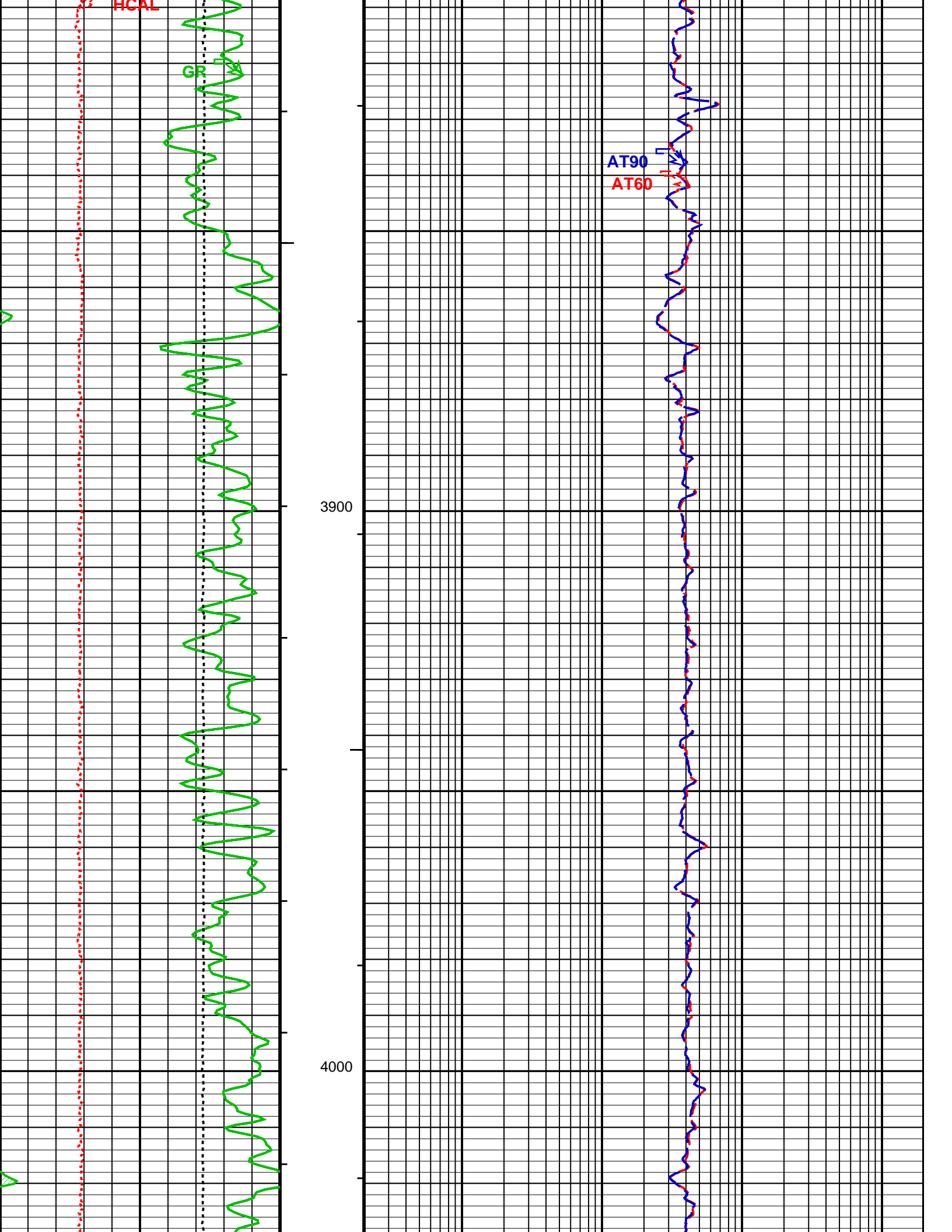


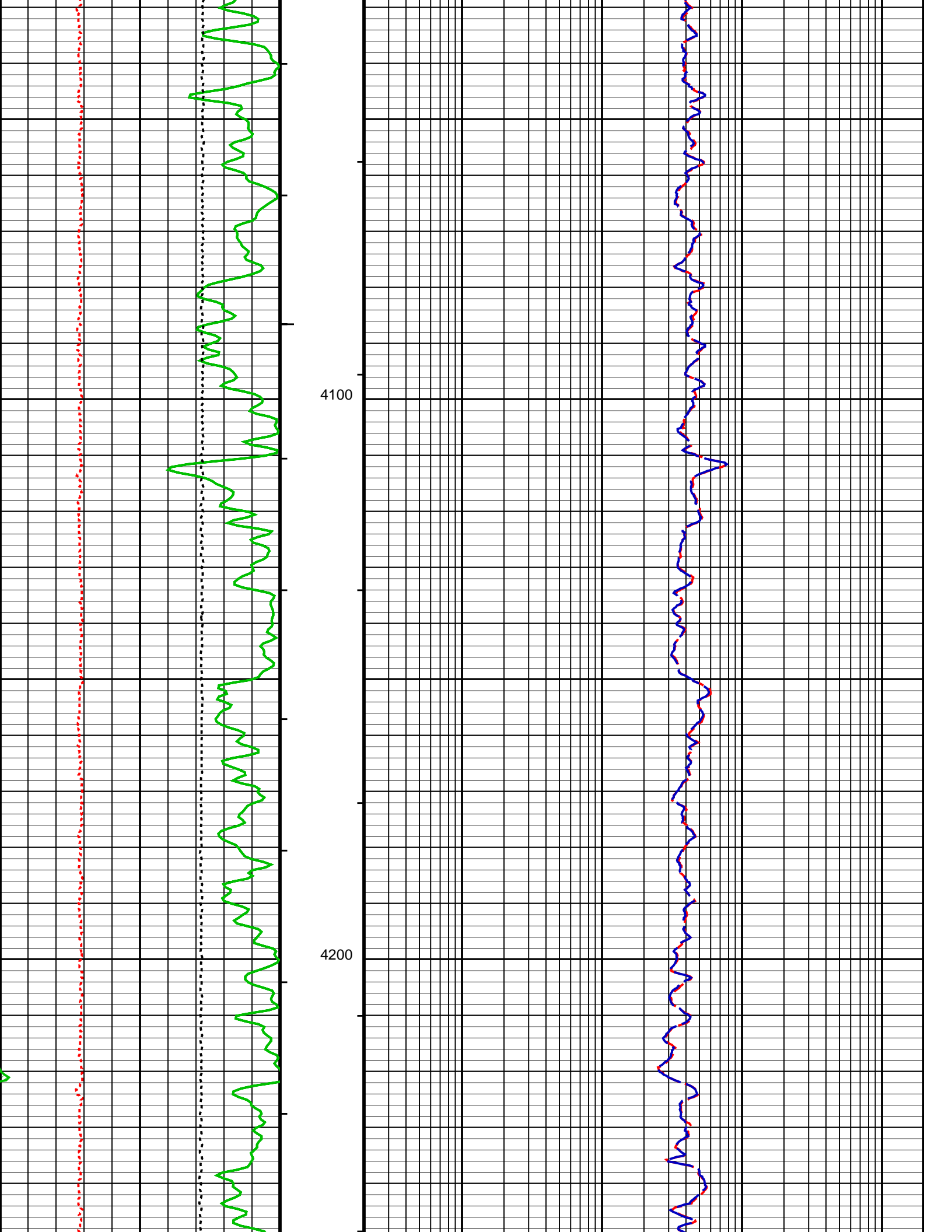


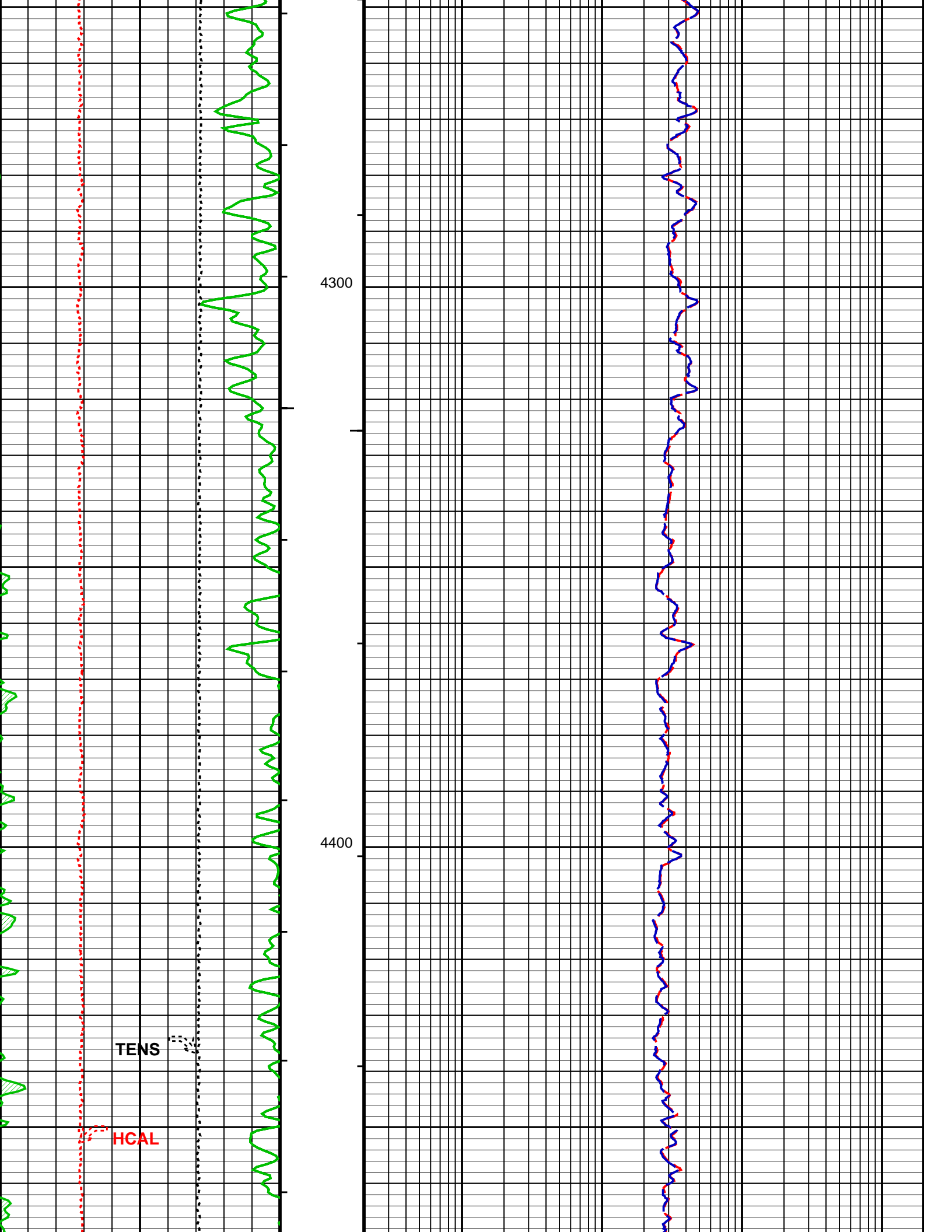


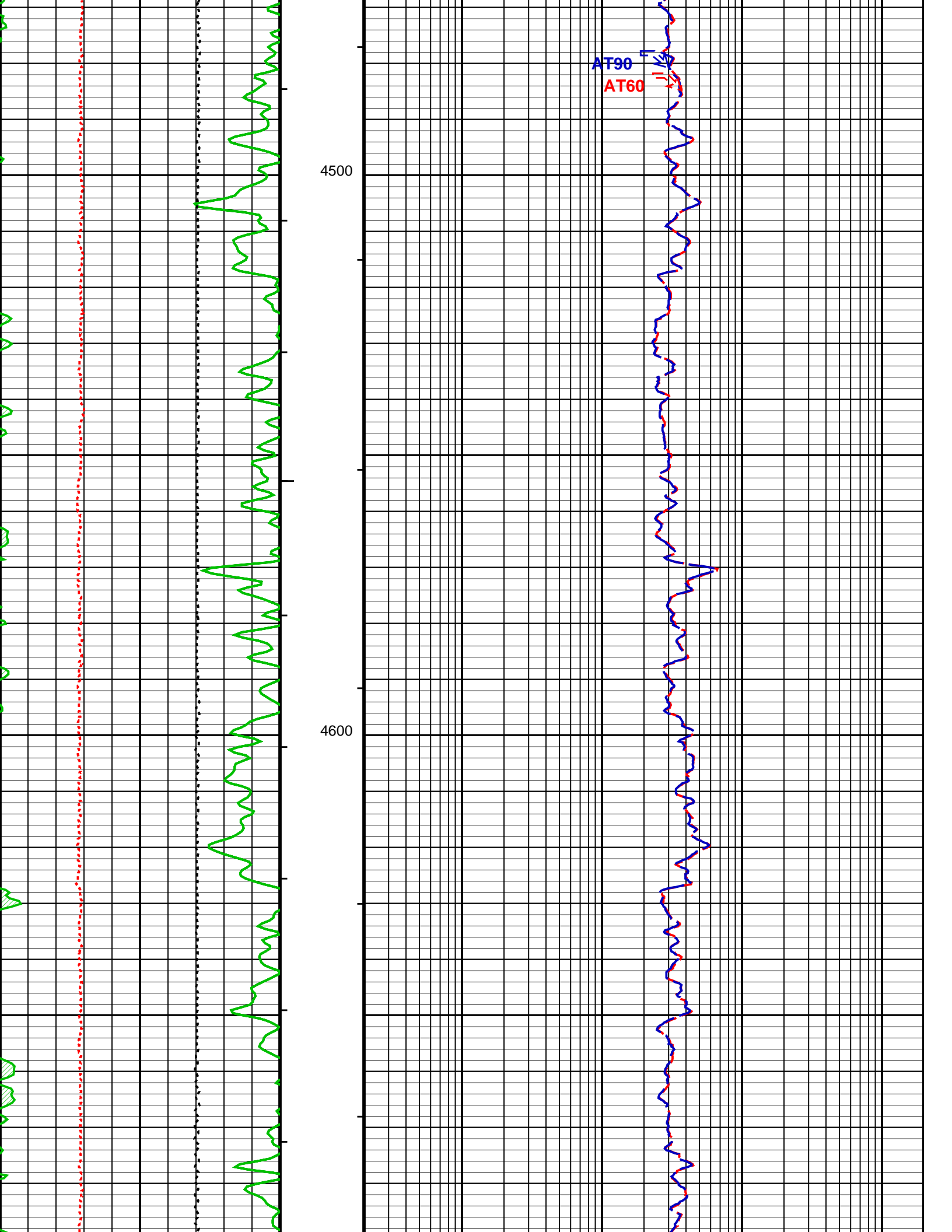


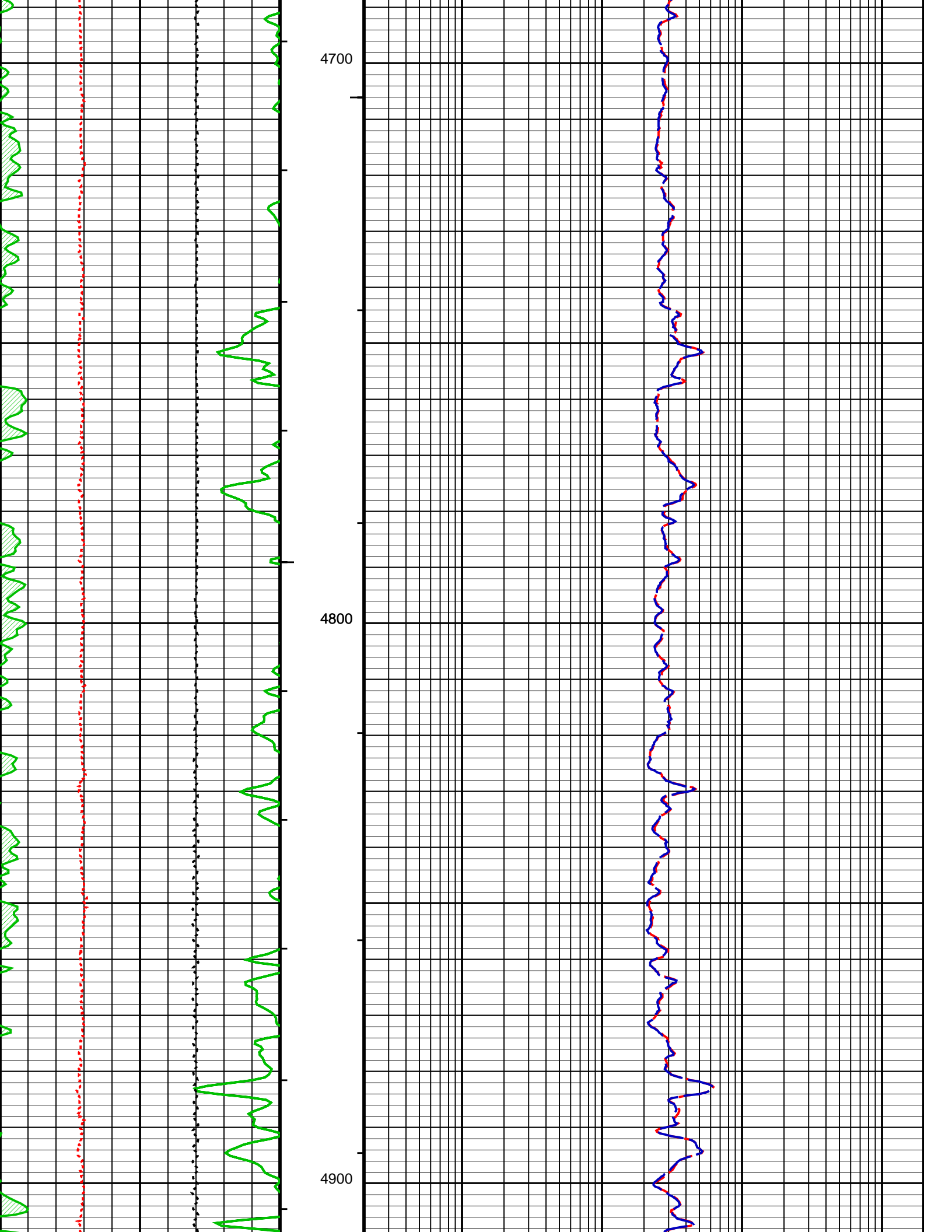


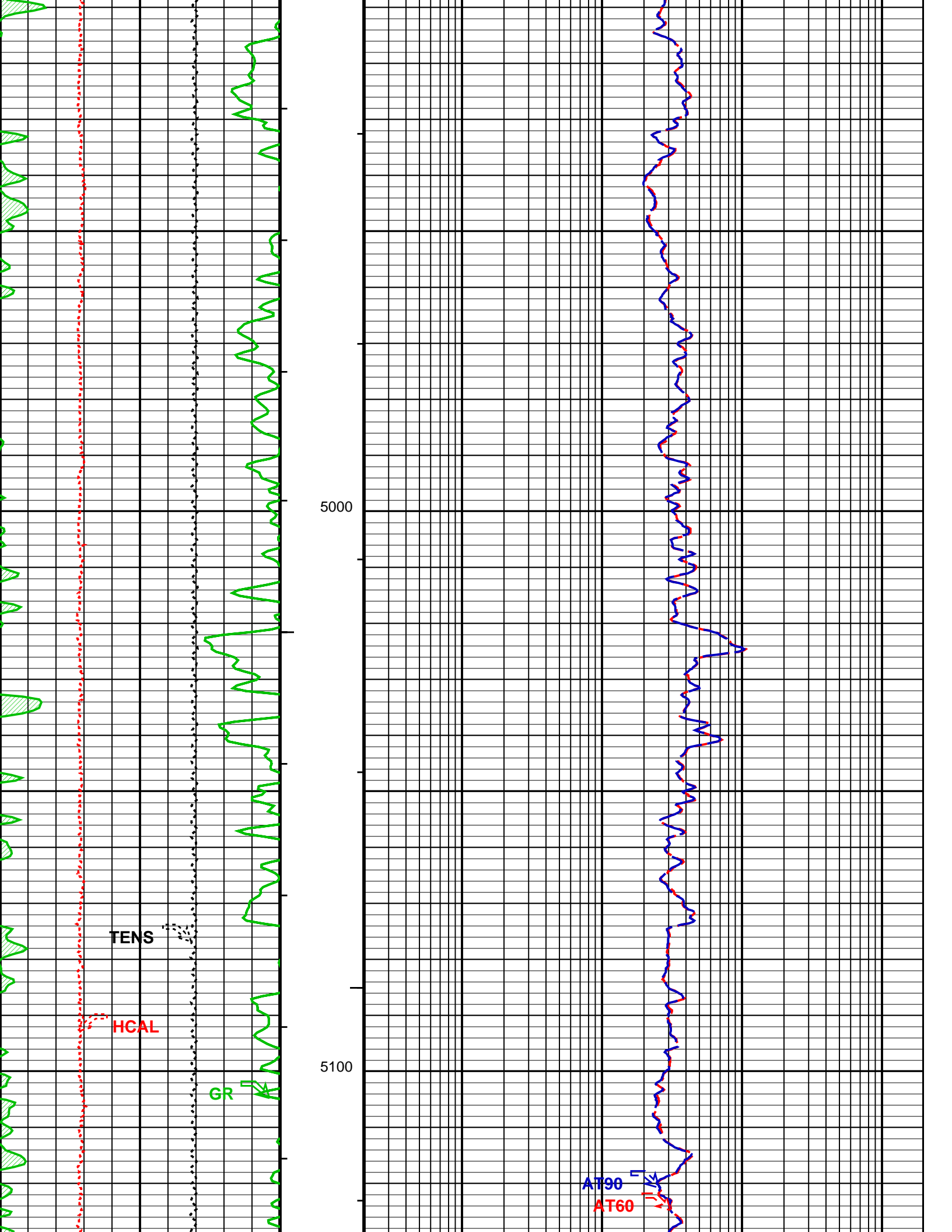


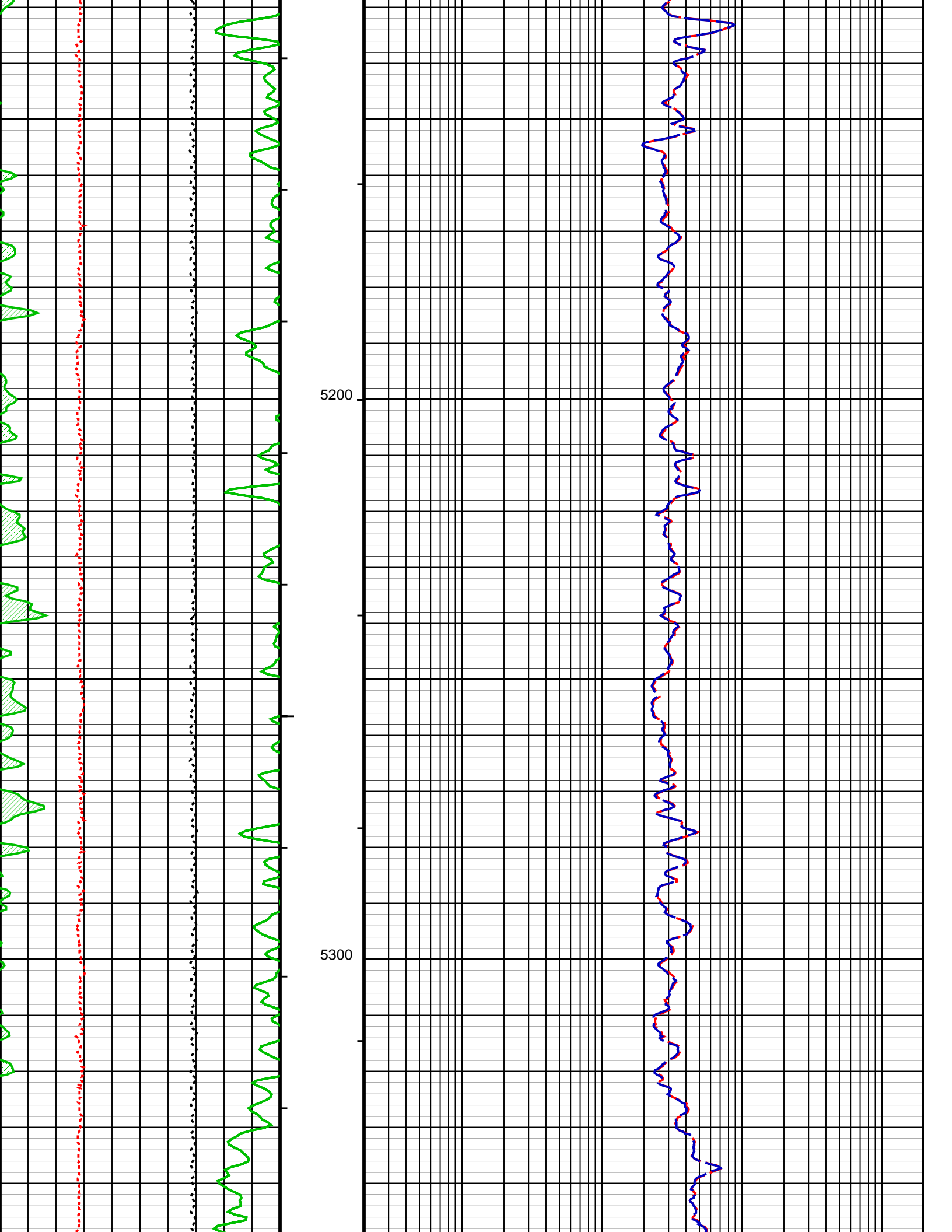


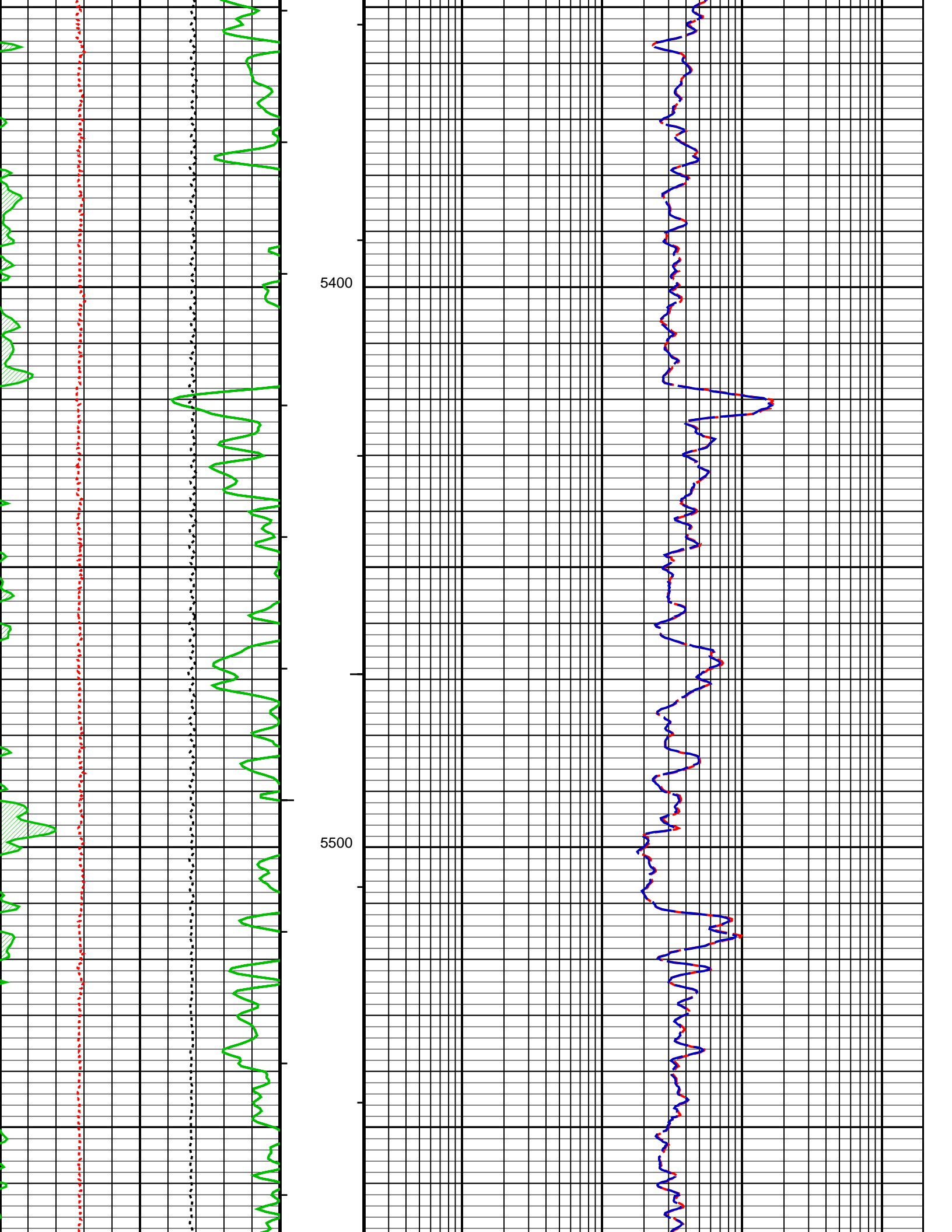


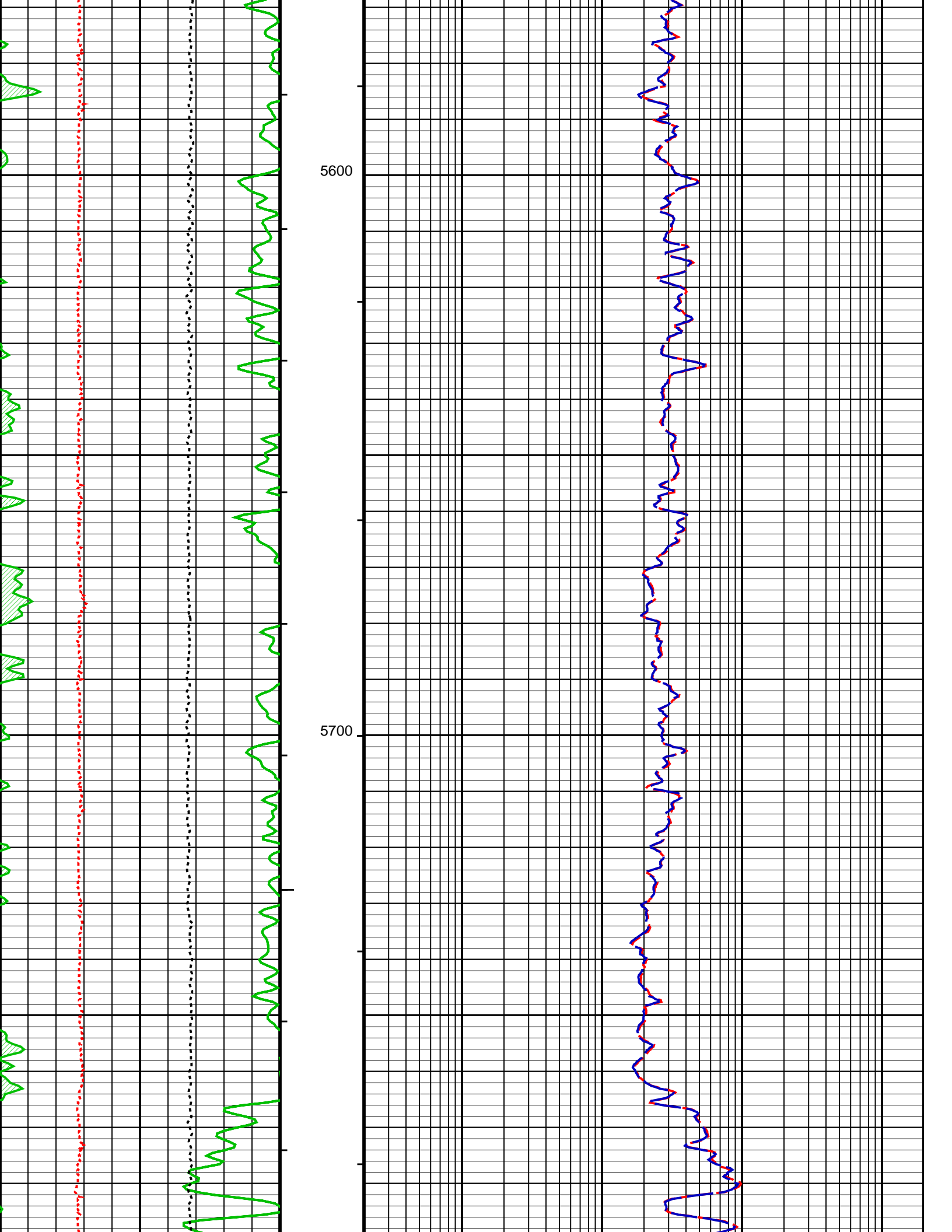


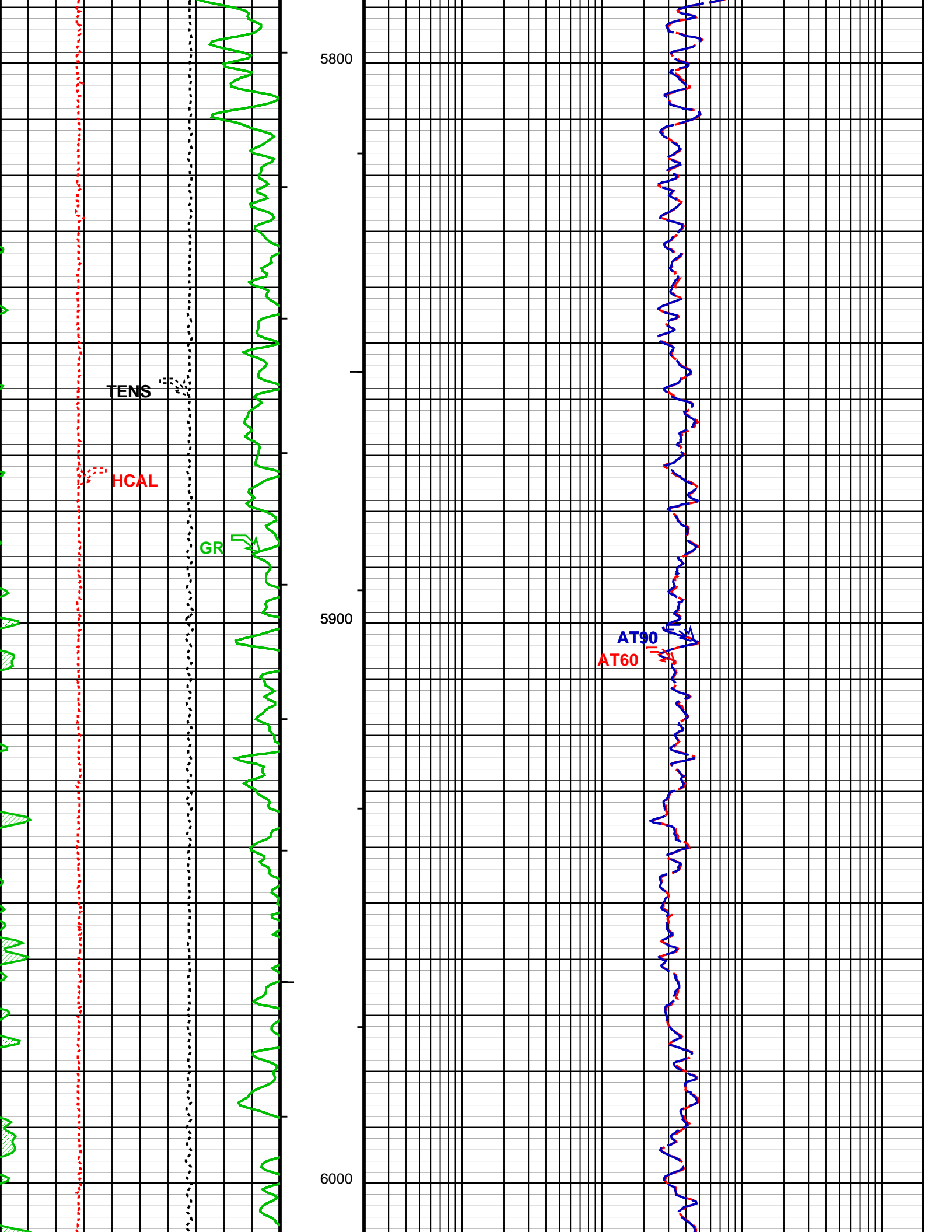


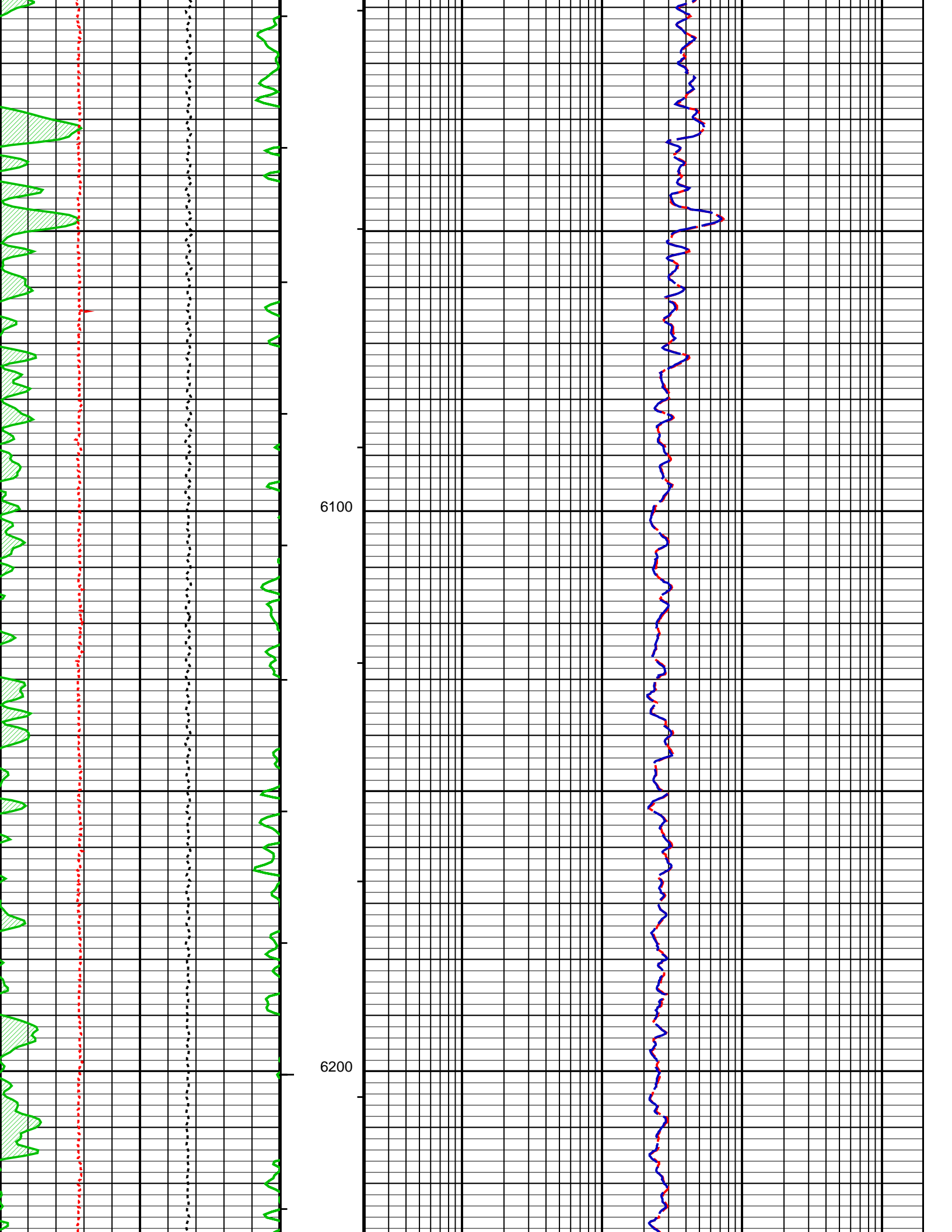


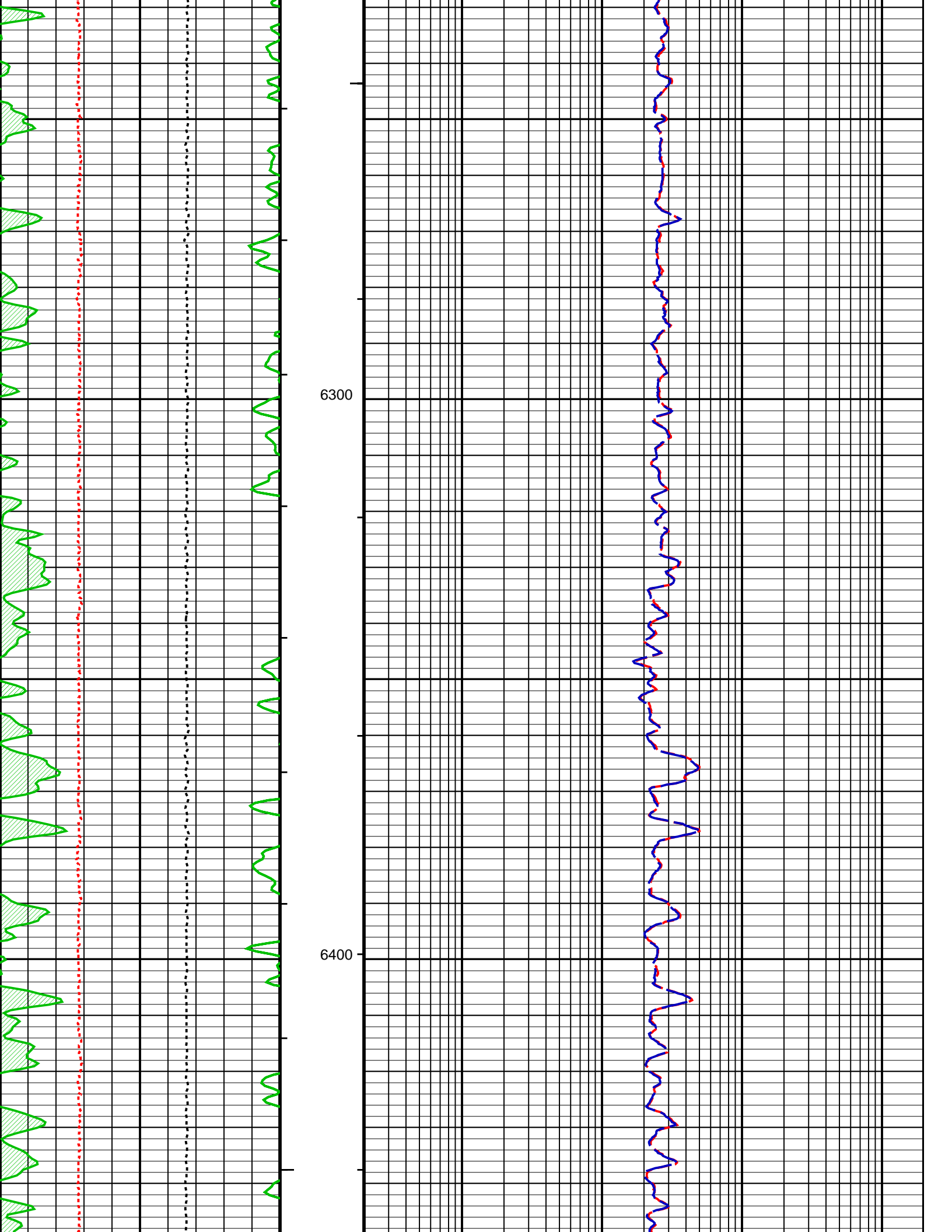


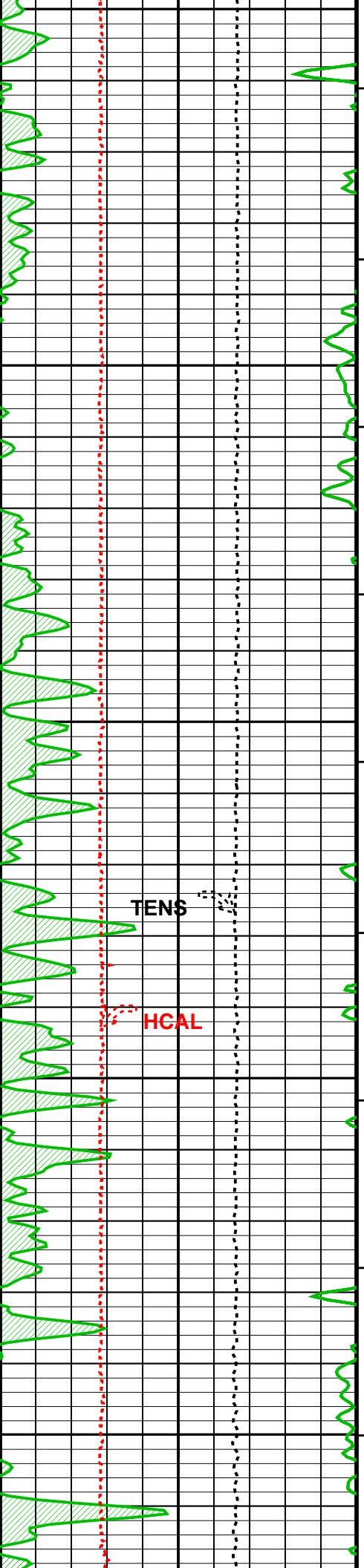












TENS

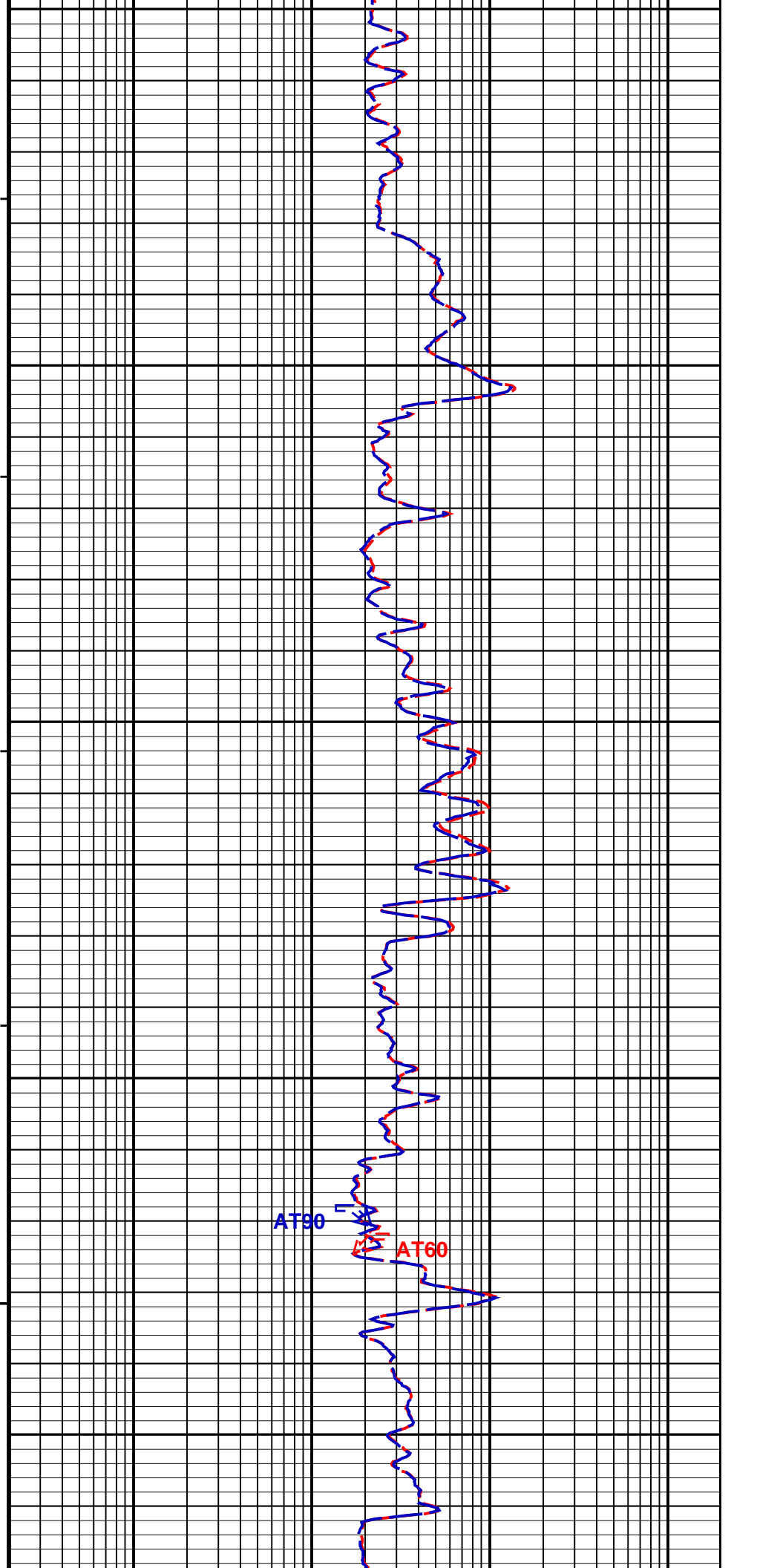
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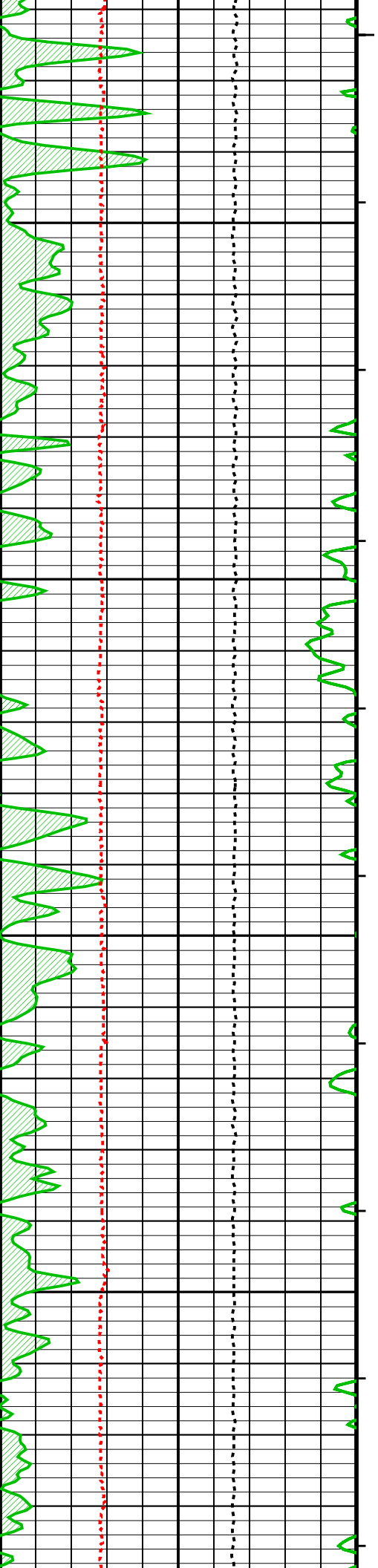
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6600

AT90

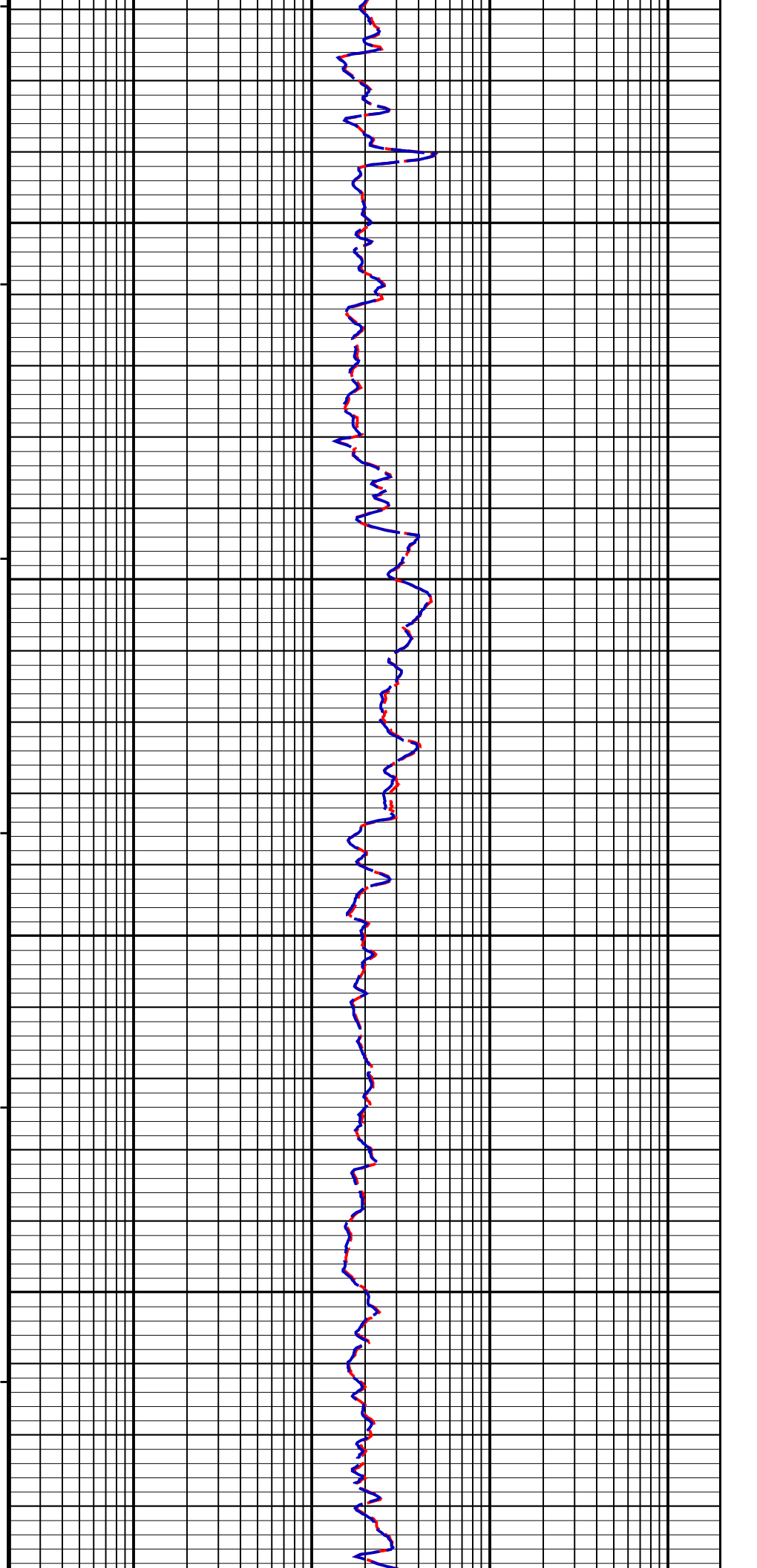
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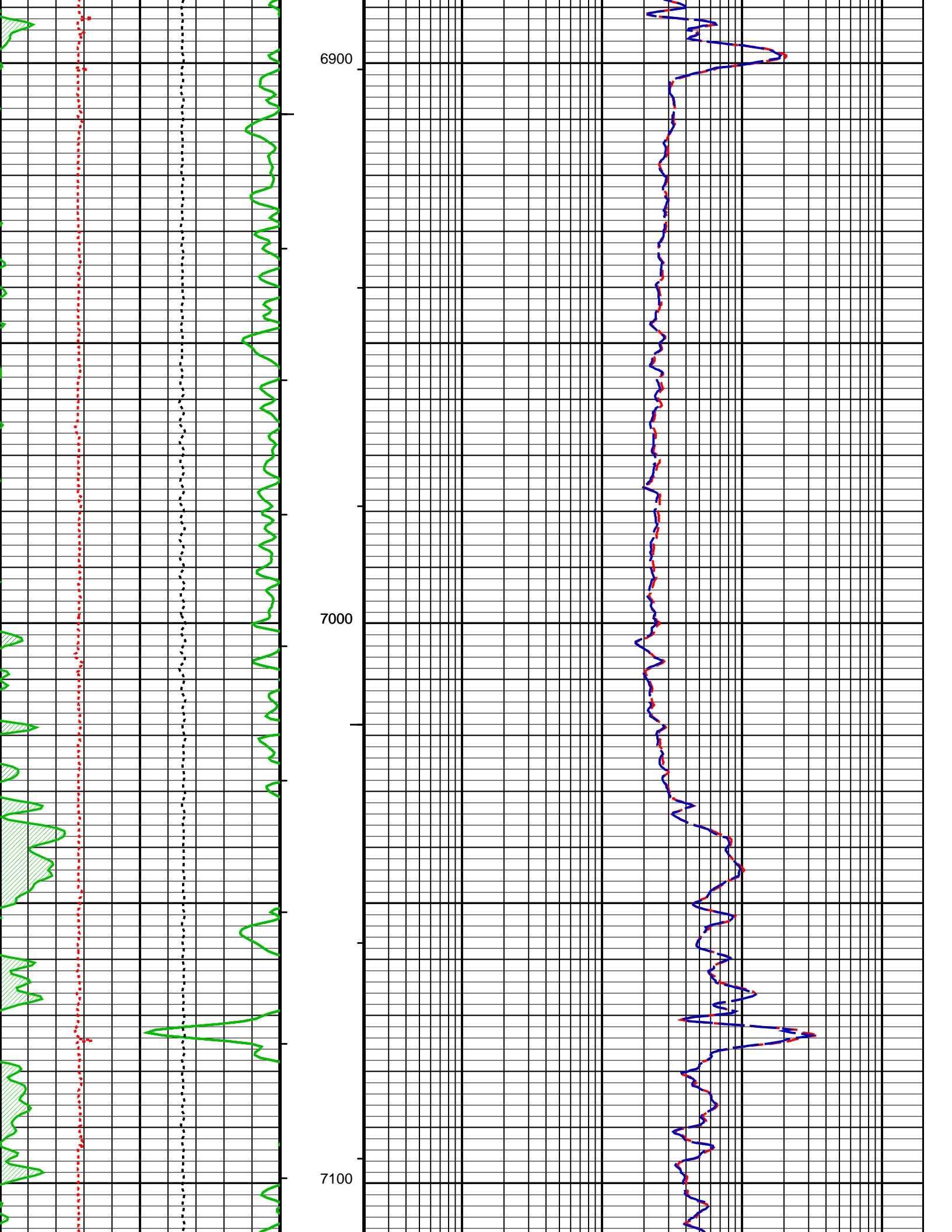


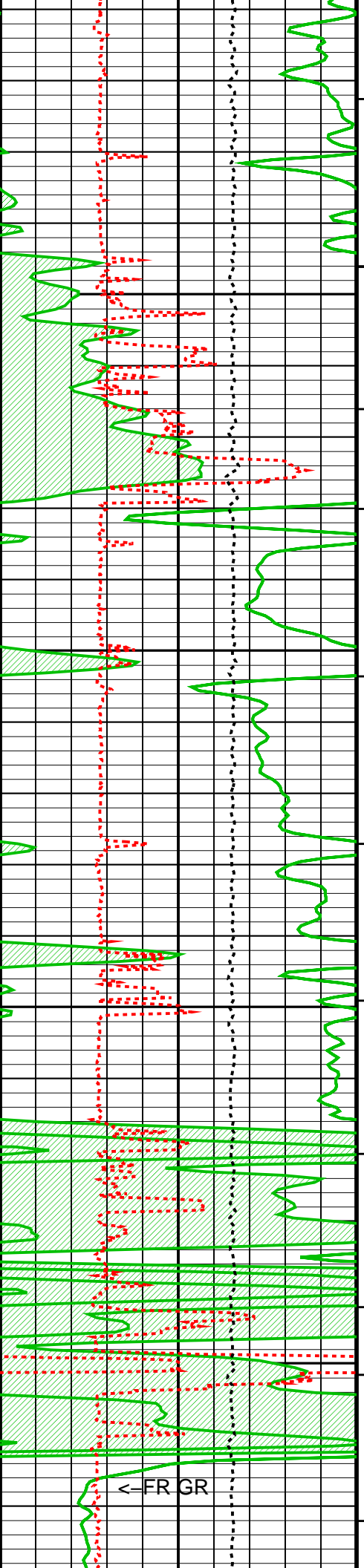


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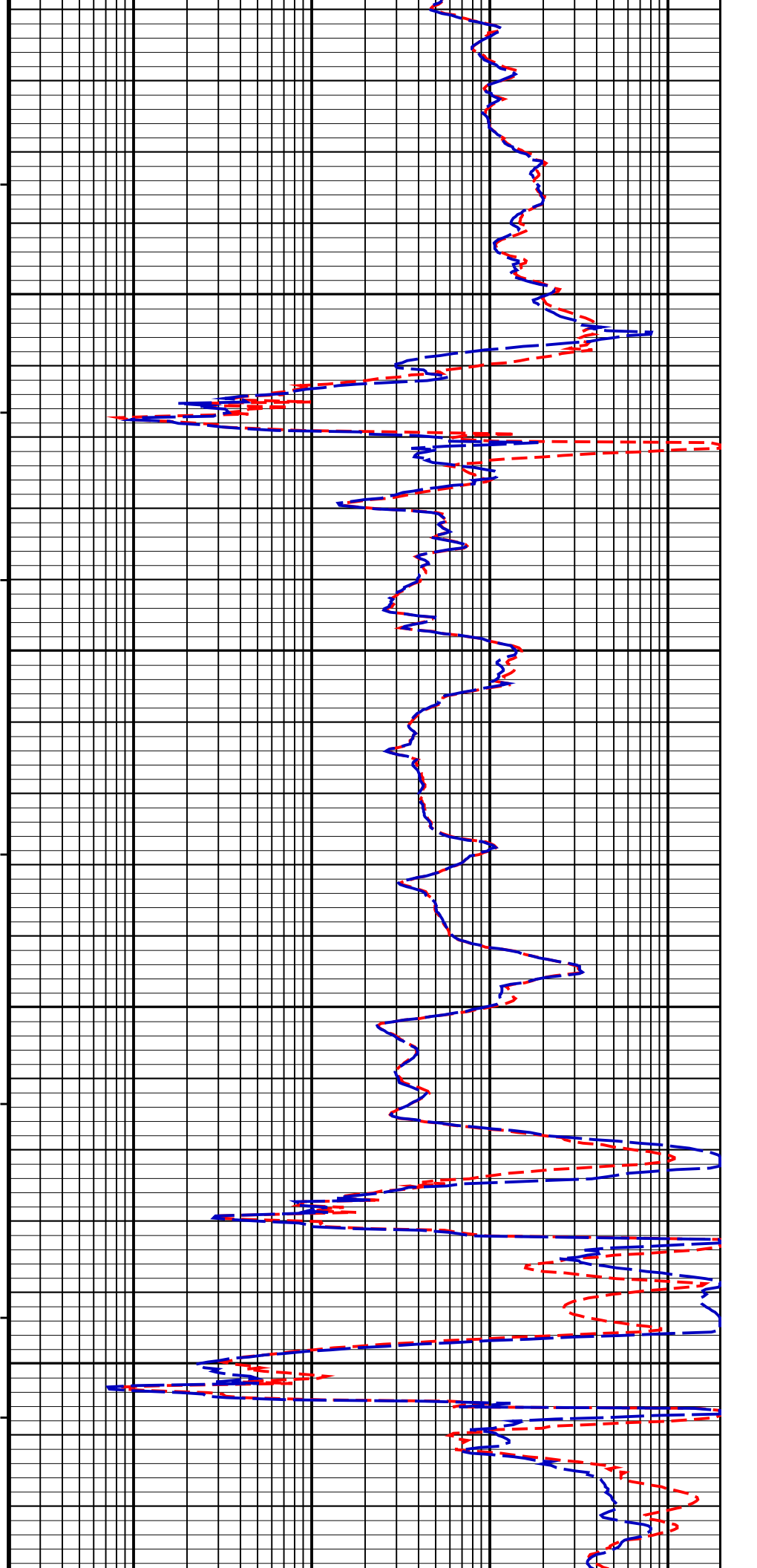


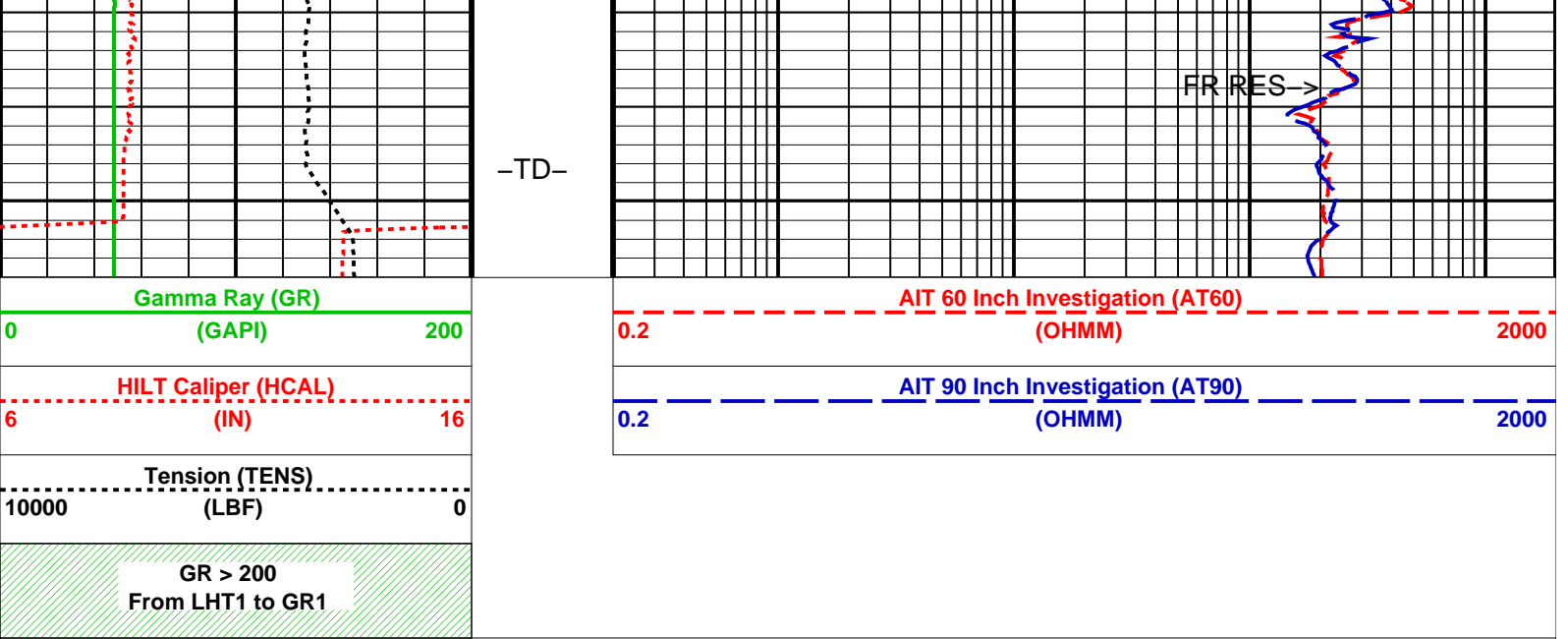




7200

7300





PIP SUMMARY

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

Parameters

DLIS Name	Description	Value	
AIT-M: Array Induction Tool - M			
ABHM	Array Induction Borehole Correction Mode	2_ComputeStandoff	
ABHV	Array Induction Borehole Correction Code Version Number	900	
ABLM	Array Induction Basic Logs Mode	6_One_Two_and_Four	
ABLV	Array Induction Basic Logs Code Version Number	223	
ACDE	Array Induction Casing Detection Enable	No	
ACEN	Array Induction Tool Centering Flag (in Borehole)	Eccentered	
ACSED	Array Induction Casing Shoe Estimated Depth	-50000	FT
AETP	Array Induction Enable Sonde Error Temp&Pres Corr	Yes	
AFRSV	Array Induction Response Set Version for Four ft Resolution	41.70.24.20	
AIGS	Array Induction Select Akima Interpolation Gating	On	
AMRF	Array Induction Mud Resistivity Factor	1	
AORSV	Array Induction Response Set Version for One ft Resolution	41.70.24.20	
ARFV	Array Induction Radial Profiling Code Version Number	701	
ARPV	Array Induction Radial Parametrization Code Version Number	232	
ASTA	Array Induction Tool Standoff	1.5	IN
ATRSV	Array Induction Response Set Version for Two ft Resolution	41.70.24.20	
ATSE	Array Induction Temperature Selection(Sonde Error Correction)	Internal	
AULV	Array Induction User Level Control	Normal	
AZRSV	Array Induction Response Set Version for Z Resolution	00.10.25.00	
BHT	Bottom Hole Temperature (used in calculations)	125	DEGF
FEXP	Form Factor Exponent	2	
FNUM	Form Factor Numerator	1	
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	80	DEGF
HILTH-FTB: High resolution Integrated Logging Tool-DTS			
BHT	Bottom Hole Temperature (used in calculations)	125	DEGF
FEXP	Form Factor Exponent	2	
FNUM	Form Factor Numerator	1	
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	80	DEGF
CNT-G: Compensated Neutron - G			
BHT	Bottom Hole Temperature (used in calculations)	125	DEGF
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	

SHT	SGT-N: Scintillation Gamma Ray Tool - N	Surface Hole Temperature	80	DEGF
BHT		Bottom Hole Temperature (used in calculations)	125	DEGF
GCSE		Generalized Caliper Selection	BS	
GDEV		Average Angular Deviation of Borehole from Normal	0	DEG
GGRD		Geothermal Gradient	0.01	DF/F
GRSE		Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE		Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT		Surface Hole Temperature	80	DEGF
HOLEV: Integrated Hole/Cement Volume				
BHT		Bottom Hole Temperature (used in calculations)	125	DEGF
FCD		Future Casing (Outer) Diameter	5.5	IN
GCSE		Generalized Caliper Selection	BS	
GDEV		Average Angular Deviation of Borehole from Normal	0	DEG
GGRD		Geothermal Gradient	0.01	DF/F
GRSE		Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE		Generalized Temperature Selection	LINEAR_ESTIMATE	
HVCS		Integrated Hole Volume Caliper Selection	AUTOMATIC	
SHT		Surface Hole Temperature	80	DEGF
System and Miscellaneous				
BS		Bit Size	8.750	IN
DFD		Drilling Fluid Density	0.00	LB/G
DO		Depth Offset for Playback	0.0	FT
FLEV		Fluid Level	-50000.00	FT
MST		Mud Sample Temperature	-50000.00	DEGF
PP		Playback Processing	RECOMPUTE	
TD		Total Depth	7346	FT

Format: AIT_MAIN_5 Vertical Scale: 5" per 100' Graphics File Created: 31-Aug-2010 05:58

OP System Version: 17C0-154

AIT-M	17C0-154	HILTH-FTB	17C0-154
CNT-G	SPC-3867-NUCL	DTA-A	SKK-3882-EDTCB
AGDT-AA	17C0-154	AGDT2-AA	17C0-154
SGT-N	17C0-154	DTC-H	17C0-154

Input DLIS Files

DEFAULT	MERGE_AIT_AGDT_TLD_020GUP	FN:1	PRODUCER	31-Aug-2010 05:57	7358.0 FT	19.0 FT
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Output DLIS Files

DEFAULT	AIT_TLD_MCFL_CNL_021PUP	FN:17	PRODUCER	31-Aug-2010 05:58		
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REPEAT PASS
5 INCHES = 100 FEET

MAXIS Field Log

Input DLIS Files

DEFAULT	MERGE_AIT_AGDT_014	FN:1	PRODUCER	31-Aug-2010 05:46	7360.5 FT	7086.5 FT
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Output DLIS Files

DEFAULT	AIT_TLD_MCFL_CNL_018PUP	FN:15	PRODUCER	31-Aug-2010 05:51	7360.5 FT	7087.0 FT
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Integrated Hole/Cement Volume Summary

Hole Volume = 126.74 F3
 Cement Volume = 84.01 F3 (assuming 5.50 IN casing O.D.)
 Computed from 7346.0 FT to 7087.5 FT using data channel(s) HCAL

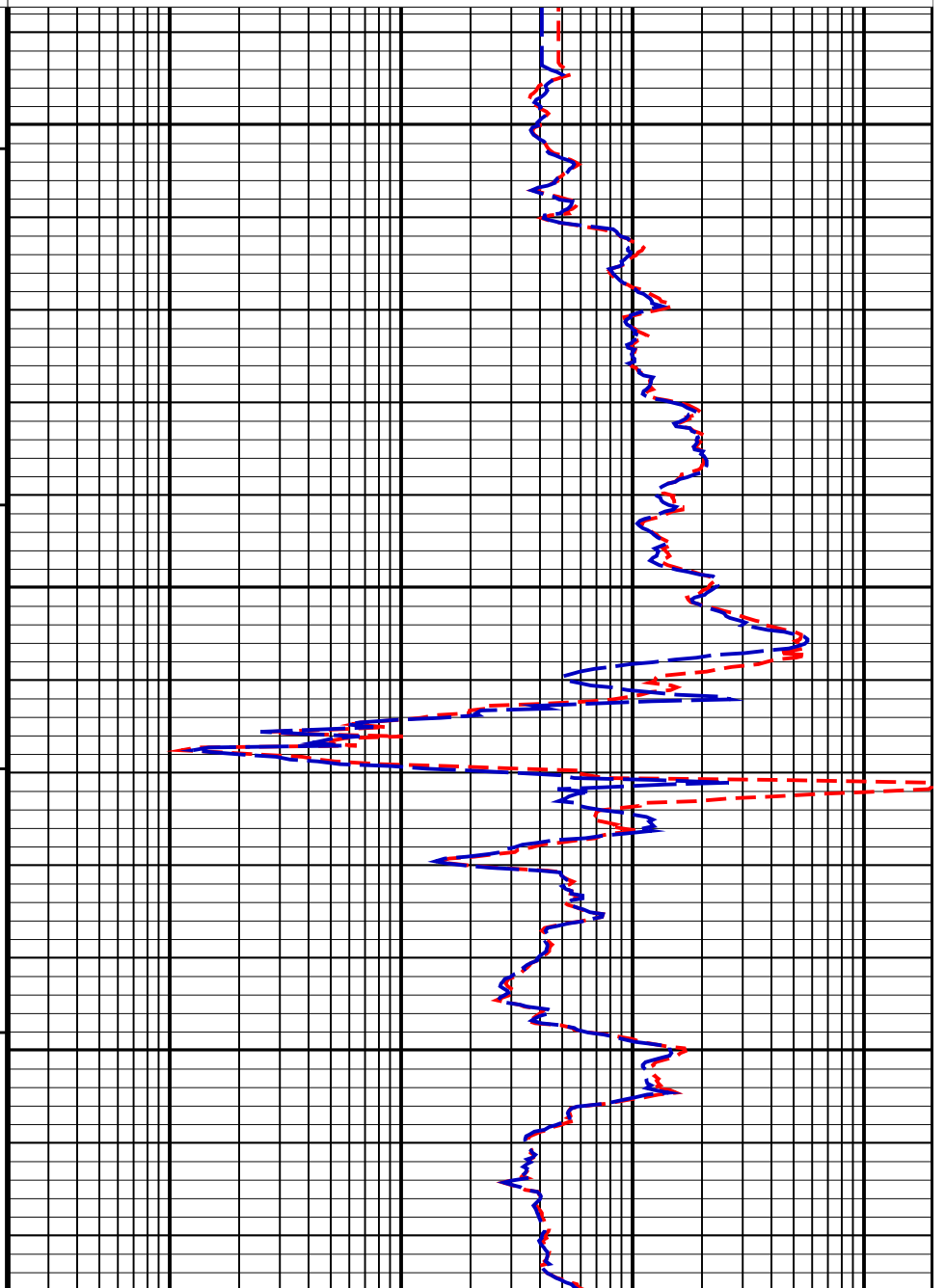
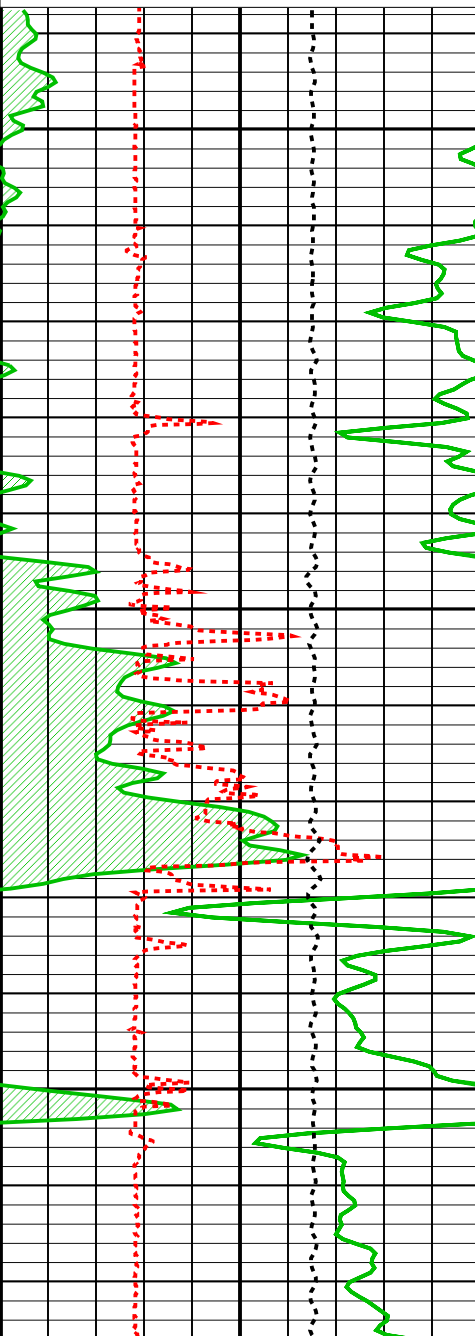
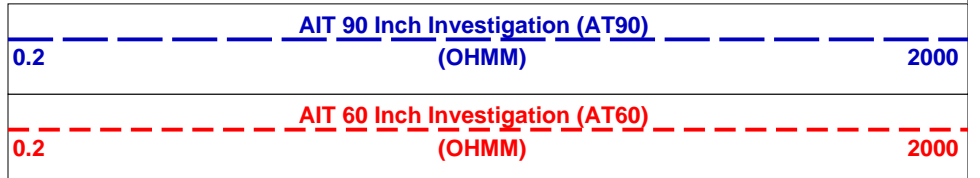
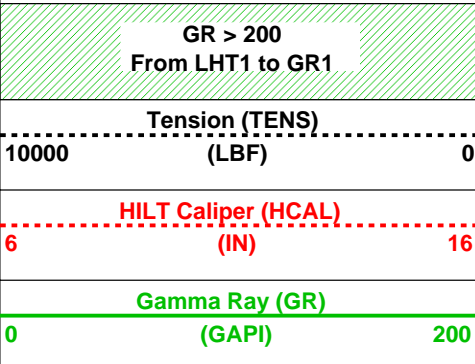
OP System Version: 17C0-154

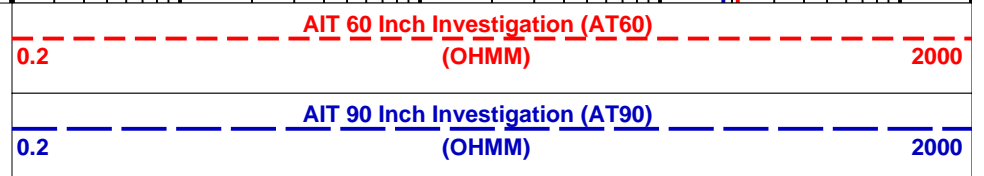
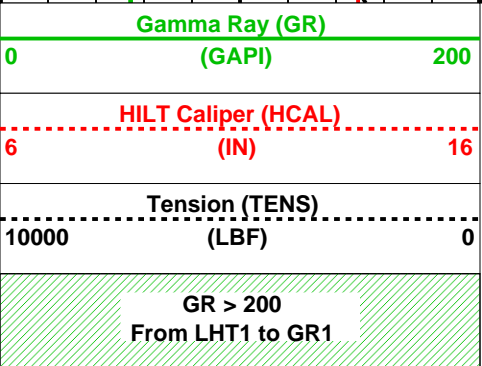
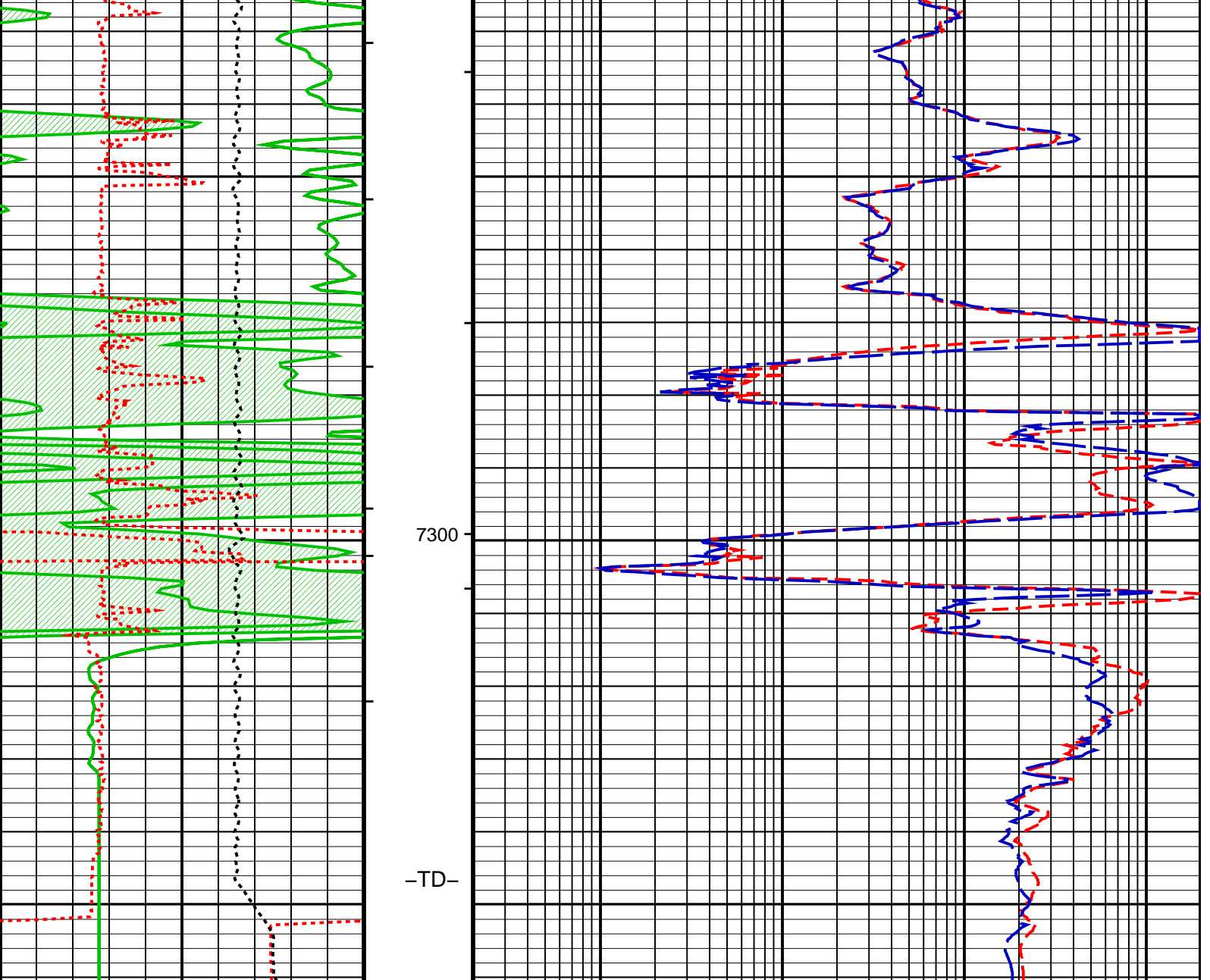
AIT-M 17C0-154
 CNT-G SPC-3867-NUCL
 AGDT-AA 17C0-154
 SGT-N 17C0-154

HILTH-FTB 17C0-154
 DTA-A SKK-3882-EDTCB
 AGDT2-AA 17C0-154
 DTC-H 17C0-154

PIP SUMMARY

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





PIP SUMMARY

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

Parameters

DLIS Name	Description	Value
AIT-M: Array Induction Tool - M		
ABHM	Array Induction Borehole Correction Mode	2_ComputeStandoff
ABHV	Array Induction Borehole Correction Code Version Number	900
ABLM	Array Induction Basic Logs Mode	6_One_Two_and_Four
ABLV	Array Induction Basic Logs Code Version Number	223
ACBF	Array Induction Basic Detection Enable	No

ACDE	Array Induction Casing Detection Enable	No	
ACEN	Array Induction Tool Centering Flag (in Borehole)	Eccentered	
ACSED	Array Induction Casing Shoe Estimated Depth	-50000	FT
AETP	Array Induction Enable Sonde Error Temp&Pres Corr	Yes	
AFRSV	Array Induction Response Set Version for Four ft Resolution	41.70.24.20	
AIGS	Array Induction Select Akima Interpolation Gating	On	
AMRF	Array Induction Mud Resistivity Factor	1	
AORSV	Array Induction Response Set Version for One ft Resolution	41.70.24.20	
ARFV	Array Induction Radial Profiling Code Version Number	701	
ARPV	Array Induction Radial Parametrization Code Version Number	232	
ASTA	Array Induction Tool Standoff	1.5	IN
ATRSV	Array Induction Response Set Version for Two ft Resolution	41.70.24.20	
ATSE	Array Induction Temperature Selection(Sonde Error Correction)	Internal	
AULV	Array Induction User Level Control	Normal	
AZRSV	Array Induction Response Set Version for Z Resolution	00.10.25.00	
BHT	Bottom Hole Temperature (used in calculations)	125	DEGF
FEXP	Form Factor Exponent	2	
FNUM	Form Factor Numerator	1	
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	80	DEGF
HILTH-FTB: High resolution Integrated Logging Tool-DTS			
BHT	Bottom Hole Temperature (used in calculations)	125	DEGF
FEXP	Form Factor Exponent	2	
FNUM	Form Factor Numerator	1	
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	80	DEGF
CNT-G: Compensated Neutron - G			
BHT	Bottom Hole Temperature (used in calculations)	125	DEGF
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	80	DEGF
SGT-N: Scintillation Gamma Ray Tool - N			
BHT	Bottom Hole Temperature (used in calculations)	125	DEGF
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	80	DEGF
HOLEV: Integrated Hole/Cement Volume			
BHT	Bottom Hole Temperature (used in calculations)	125	DEGF
FCD	Future Casing (Outer) Diameter	5.5	IN
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
HVCS	Integrated Hole Volume Caliper Selection	AUTOMATIC	
SHT	Surface Hole Temperature	80	DEGF
System and Miscellaneous			
BS	Bit Size	8.750	IN
DFD	Drilling Fluid Density	0.00	LB/G
DO	Depth Offset for Playback	0.0	FT
FLEV	Fluid Level	-50000.00	FT
MST	Mud Sample Temperature	-50000.00	DEGF
PP	Playback Processing	RECOMPUTE	
TD	Total Depth	7346	FT

Format: AIT_REPEAT Vertical Scale: 5" per 100'

Graphics File Created: 31-Aug-2010 05:51

OP System Version: 17C0-154

AIT-M	17C0-154	HILTH-FTB	17C0-154
CNT-G	SPC-3867-NUCL	DTA-A	SKK-3882-EDTCB
AGDT-AA	17C0-154	AGDT2-AA	17C0-154
SGT-N	17C0-154	DTC-H	17C0-154

Input DLIS Files

DEFAULT MERGE_AIT_AGDT_014 FN:1 PRODUCER 31-Aug-2010 05:46 7360.5 FT 7086.5 FT

Output DLIS Files

DEFAULT AIT_TLD_MCFL_CNL_018PUP FN:15 PRODUCER 31-Aug-2010 05:51



CALIBRATIONS

MAXIS Field Log

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
Array Induction Tool – M Wellsite Calibration – Electronics Calibration Check – Thru Cal Mag. & Phase							
Master: Calibration out of date 28-Nov-2009 22:22 Before: 29-Aug-2010 12:40							
Thru Cal Magnitude – 0	0	0.6163	0.6165	N/A	N/A	N/A	V
Thru Cal Magnitude – 1	0	1.263	1.263	N/A	N/A	N/A	V
Thru Cal Magnitude – 2	0	0.6268	0.6268	N/A	N/A	N/A	V
Thru Cal Magnitude – 3	0	0.7071	0.7071	N/A	N/A	N/A	V
Thru Cal Magnitude – 4	0	1.324	1.324	N/A	N/A	N/A	V
Thru Cal Magnitude – 5	0	1.926	1.927	N/A	N/A	N/A	V
Thru Cal Magnitude – 6	0	1.925	1.925	N/A	N/A	N/A	V
Thru Cal Magnitude – 7	0	1.386	1.387	N/A	N/A	N/A	V
Thru Cal Phase – 0	0	189.3	189.3	N/A	N/A	N/A	DEG
Thru Cal Phase – 1	0	188.2	188.2	N/A	N/A	N/A	DEG
Thru Cal Phase – 2	0	184.7	184.6	N/A	N/A	N/A	DEG
Thru Cal Phase – 3	0	183.9	183.9	N/A	N/A	N/A	DEG
Thru Cal Phase – 4	0	177.7	177.7	N/A	N/A	N/A	DEG
Thru Cal Phase – 5	0	176.1	176.1	N/A	N/A	N/A	DEG
Thru Cal Phase – 6	0	176.1	176.1	N/A	N/A	N/A	DEG
Thru Cal Phase – 7	0	175.4	175.3	N/A	N/A	N/A	DEG
Array Induction Tool – M Wellsite Calibration – Electronics Calibration Check – Auxiliary							
Master: Calibration out of date 28-Nov-2009 22:22 Before: 29-Aug-2010 12:40							
Array Induction SPA Plus	991.0	986.2	986.5	N/A	N/A	N/A	MV
Array Induction SPA Zero	0	-0.1595	-0.1361	N/A	N/A	N/A	MV
Array Induction Temperature PI	0.9170	0.9135	0.9138	N/A	N/A	N/A	V
Array Induction Temperature Ze	0	-0.0001620	-0.0001281	N/A	N/A	N/A	V
Array Induction Tool – M Wellsite Calibration – Test Loop Gain Correction							
Master: Calibration out of date 28-Nov-2009 22:22							
Test Loop Gain Correctio – 0	0	1.012	N/A	N/A	N/A	N/A	V
Test Loop Gain Correctio – 1	0	1.014	N/A	N/A	N/A	N/A	V
Test Loop Gain Correctio – 2	0	1.017	N/A	N/A	N/A	N/A	V
Test Loop Gain Correctio – 3	0	1.010	N/A	N/A	N/A	N/A	V
Test Loop Gain Correctio – 4	0	0.9939	N/A	N/A	N/A	N/A	V
Test Loop Gain Correctio – 5	0	0.9845	N/A	N/A	N/A	N/A	V
Test Loop Gain Correctio – 6	0	0.9949	N/A	N/A	N/A	N/A	V
Test Loop Gain Correctio – 7	0	1.009	N/A	N/A	N/A	N/A	V
Test Loop Gain Correctio – 0	0	0.7102	N/A	N/A	N/A	N/A	DEG
Test Loop Gain Correctio – 1	0	0.6469	N/A	N/A	N/A	N/A	DEG
Test Loop Gain Correctio – 2	0	0.07308	N/A	N/A	N/A	N/A	DEG
Test Loop Gain Correctio – 3	0	0.2158	N/A	N/A	N/A	N/A	DEG
Test Loop Gain Correctio – 4	0	0.1363	N/A	N/A	N/A	N/A	DEG
Test Loop Gain Correctio – 5	0	0.1396	N/A	N/A	N/A	N/A	DEG
Test Loop Gain Correctio – 6	0	0.4281	N/A	N/A	N/A	N/A	DEG
Test Loop Gain Correctio – 7	0	0.1689	N/A	N/A	N/A	N/A	DEG
Array Induction Tool – M Wellsite Calibration – Sonde Error Correction							
Master: Calibration out of date 28-Nov-2009 22:22							
R Sonde Error Correction – 0	0	-75.39	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 1	0	160.2	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 2	0	108.5	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 3	0	59.63	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 4	0	27.89	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 5	0	14.12	N/A	N/A	N/A	N/A	MM/M

R Sonde Error Correction - 5	0	14.12	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction - 6	0	9.775	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction - 7	0	-1.953	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction - 0	0	262.2	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction - 1	0	37.53	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction - 2	0	-104.9	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction - 3	0	-56.89	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction - 4	0	0.5164	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction - 5	0	9.634	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction - 6	0	-4.025	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction - 7	0	9.392	N/A	N/A	N/A	N/A	MM/M

Array Induction Tool - M Wellsite Calibration - Mud Gain Correction

Master: Calibration out of date 28-Nov-2009 22:22

Coarse - Mag, Real, Imag - 0	0	1.112	N/A	N/A	N/A	N/A
Coarse - Mag, Real, Imag - 1	0	1.112	N/A	N/A	N/A	N/A
Coarse - Mag, Real, Imag - 2	0	1.112	N/A	N/A	N/A	N/A
Fine - Mag, Real, Imag - 0	0	1.113	N/A	N/A	N/A	N/A
Fine - Mag, Real, Imag - 1	0	1.113	N/A	N/A	N/A	N/A
Fine - Mag, Real, Imag - 2	0	1.113	N/A	N/A	N/A	N/A

Scintillation Gamma Ray Tool - N Wellsite Calibration - Detector Calibration

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Gamma Ray (Jig - Bkg)	154.8	N/A	154.8	N/A	N/A	14.08	GAPI
Gamma Ray (Calibrated)	165.0	N/A	165.0	N/A	N/A	15.00	GAPI

Array Induction Tool - M / Equipment Identification

Primary Equipment:

Rm/SP Bottom Nose
Array Induction Sonde

AMRM - A 275
AMIS - A 275

Auxiliary Equipment:

Array Induction Tool - M Wellsite Calibration							
Electronics Calibration Check - Thru Cal Mag. & Phase							
Idx	Phase	Value	Thru Cal Magnitude V	Nominal	Value	Thru Cal Phase DEG	Nominal
0	Master	0.6163		0.6100	189.3		197.0
	Before	0.6165			189.3		
1	Master	1.263		1.270	188.2		196.0
	Before	1.263			188.2		
2	Master	0.6268		0.6200	184.7		192.0
	Before	0.6268			184.6		
3	Master	0.7071		0.7000	183.9		191.0
	Before	0.7071			183.9		
4	Master	1.324		1.340	177.7		185.0
	Before	1.324			177.7		
5	Master	1.926		1.960	176.1		182.0
	Before	1.927			176.1		
6	Master	1.925		1.960	176.1		181.0
	Before	1.925			176.1		
7	Master	1.386		1.410	175.4		175.0
	Before	1.387			175.3		
		60.00 % (Minimum)	140.0 % (Nominal) (Maximum)		Nom -60.00 (Minimum)	Nom + 60.00 (Nominal) (Maximum)	
Master: Calibration out of date 28-Nov-2009 22:22				Before: 29-Aug-2010 12:40			

Array Induction Tool - M Wellsite Calibration					
Electronics Calibration Check - Auxiliary					
Phase	Array Induction SPA Plus MV	Value	Phase	Array Induction SPA Zero MV	Value
Master		986.2	Master		-0.1595

Before		986.5	Before		-0.1361	
	941.0 (Minimum)	991.0 (Nominal)	1040 (Maximum)			
				-50.00 (Minimum)	0 (Nominal)	50.00 (Maximum)
Phase	Array Induction Temperature Plus V	Value	Phase	Array Induction Temperature Zero V	Value	
Master		0.9135	Master		-0.0001620	
Before		0.9138	Before		-0.0001281	
	0.8710 (Minimum)	0.9170 (Nominal)	0.9630 (Maximum)			
				-0.05000 (Minimum)	0 (Nominal)	0.05000 (Maximum)
Master: Calibration out of date 28-Nov-2009 22:22			Before: 29-Aug-2010 12:40			

Array Induction Tool – M Wellsite Calibration								
Test Loop Gain Correction								
Idx	Value	Test Loop Gain Correction Magnitude V			Value	Test Loop Gain Correction Phase DEG		
0	1.012				0.7102			
		0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)		-3.000 (Minimum)	0 (Nominal)	3.000 (Maximum)
1	1.014				0.6469			
		0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)		-3.000 (Minimum)	0 (Nominal)	3.000 (Maximum)
2	1.017				0.07308			
		0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)		-3.000 (Minimum)	0 (Nominal)	3.000 (Maximum)
3	1.010				0.2158			
		0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)		-3.000 (Minimum)	0 (Nominal)	3.000 (Maximum)
4	0.9939				0.1363			
		0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)		-3.000 (Minimum)	0 (Nominal)	3.000 (Maximum)
5	0.9845				0.1396			
		0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)		-3.000 (Minimum)	0 (Nominal)	3.000 (Maximum)
6	0.9949				0.4281			
		0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)		-3.000 (Minimum)	0 (Nominal)	3.000 (Maximum)
7	1.009				0.1689			
		0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)		-3.000 (Minimum)	0 (Nominal)	3.000 (Maximum)
Master: Calibration out of date 28-Nov-2009 22:22								

Array Induction Tool – M Wellsite Calibration								
Sonde Error Correction								
Idx	Value	R Sonde Error Correction MM/M			Value	X Sonde Error Correction MM/M		
0	-75.39				262.2			
		-231.0 (Minimum)	-56.00 (Nominal)	119.0 (Maximum)		-2250 (Minimum)	0 (Nominal)	2250 (Maximum)
1	160.2				37.53			
		114.0 (Minimum)	159.0 (Nominal)	204.0 (Maximum)		-625.0 (Minimum)	0 (Nominal)	625.0 (Maximum)
2	108.5				-104.9			
		66.00 (Minimum)	111.0 (Nominal)	156.0 (Maximum)		-350.0 (Minimum)	0 (Nominal)	350.0 (Maximum)
3	59.63				-56.89			
		39.00 (Minimum)	64.00 (Nominal)	89.30 (Maximum)		-250.0 (Minimum)	0 (Nominal)	250.0 (Maximum)
4	27.89				0.5164			
		15.00 (Minimum)	25.00 (Nominal)	35.00 (Maximum)		-63.00 (Minimum)	0 (Nominal)	63.00 (Maximum)
5	14.12				9.634			
		4.000 (Minimum)	14.00 (Nominal)	24.00 (Maximum)		-50.00 (Minimum)	0 (Nominal)	50.00 (Maximum)
6	9.775				-4.025			
		5.000 (Minimum)	10.00 (Nominal)	15.00 (Maximum)		-30.00 (Minimum)	0 (Nominal)	30.00 (Maximum)
7	-1.953				9.392			
		5.000 (Minimum)	0 (Nominal)	5.000 (Maximum)		30.00 (Minimum)	0 (Nominal)	30.00 (Maximum)

Array Induction Tool – M Wellsite Calibration								
Mud Gain Correction								
Idx	Value	Coarse – Mag, Real, Imag			Value	Fine – Mag, Real, Imag		
0	1.112				1.113			
		0.8000 (Minimum)	1.000 (Nominal)	1.200 (Maximum)		0.8000 (Minimum)	1.000 (Nominal)	1.200 (Maximum)
1	1.112				1.113			
		0.8000 (Minimum)	1.000 (Nominal)	1.200 (Maximum)		0.8000 (Minimum)	1.000 (Nominal)	1.200 (Maximum)
2	1.112				1.113			
		0.8000 (Minimum)	1.000 (Nominal)	1.200 (Maximum)		0.8000 (Minimum)	1.000 (Nominal)	1.200 (Maximum)

Array Induction Tool – M Master Calibration									
Electronics Calibration Check – Thru Cal Mag. & Phase									
Idx	Phase	Value	Thru Cal Magnitude V		Nominal	Value	Thru Cal Phase DEG		
0	Master	0.6163			0.6100	189.3			
1	Master	1.263			1.270	188.2			
2	Master	0.6268			0.6200	184.7			
3	Master	0.7071			0.7000	183.9			
4	Master	1.324			1.340	177.7			
5	Master	1.926			1.960	176.1			
6	Master	1.925			1.960	176.1			
7	Master	1.386			1.410	175.4			
			60.00 % (Minimum)	(Nominal)	140.0 % (Maximum)		Nom -60.00 (Minimum)	(Nominal)	Nom + 60.00 (Maximum)

Array Induction Tool – M Master Calibration							
Electronics Calibration Check – Auxiliary							
Phase	Array Induction SPA Plus MV		Value	Phase	Array Induction SPA Zero MV		
Master			986.2	Master			
	941.0 (Minimum)	991.0 (Nominal)	1040 (Maximum)		-50.00 (Minimum)	0 (Nominal)	50.00 (Maximum)
Phase	Array Induction Temperature Plus V		Value	Phase	Array Induction Temperature Zero V		
Master			0.9135	Master			
	0.8710 (Minimum)	0.9170 (Nominal)	0.9630 (Maximum)		-0.05000 (Minimum)	0 (Nominal)	0.05000 (Maximum)

Array Induction Tool – M Master Calibration								
Test Loop Gain Correction								
Idx	Value	Test Loop Gain Correction Magnitude V			Value	Test Loop Gain Correction Phase DEG		
0	1.012				0.7102			
		0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)		-3.000 (Minimum)	0 (Nominal)	3.000 (Maximum)
1	1.014				0.6469			
		0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)		-3.000 (Minimum)	0 (Nominal)	3.000 (Maximum)
2	1.017				0.07308			
		0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)		-3.000 (Minimum)	0 (Nominal)	3.000 (Maximum)
3	1.010				0.2158			
		0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)		-3.000 (Minimum)	0 (Nominal)	3.000 (Maximum)
4	0.9939				0.1363			
		0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)		-3.000 (Minimum)	0 (Nominal)	3.000 (Maximum)

5	0.9845		0.1396			
	0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)	-3.000 (Minimum)	0 (Nominal)	3.000 (Maximum)
6	0.9949		0.4281			
	0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)	-3.000 (Minimum)	0 (Nominal)	3.000 (Maximum)
7	1.009		0.1689			
	0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)	-3.000 (Minimum)	0 (Nominal)	3.000 (Maximum)

Master: Calibration out of date 28-Nov-2009 22:22

Array Induction Tool – M Master Calibration								
Sonde Error Correction								
Idx	Value	R Sonde Error Correction MM/M			Value	X Sonde Error Correction MM/M		
0	-75.39				262.2			
		-231.0 (Minimum)	-56.00 (Nominal)	119.0 (Maximum)		-2250 (Minimum)	0 (Nominal)	2250 (Maximum)
1	160.2				37.53			
		114.0 (Minimum)	159.0 (Nominal)	204.0 (Maximum)		-625.0 (Minimum)	0 (Nominal)	625.0 (Maximum)
2	108.5				-104.9			
		66.00 (Minimum)	111.0 (Nominal)	156.0 (Maximum)		-350.0 (Minimum)	0 (Nominal)	350.0 (Maximum)
3	59.63				-56.89			
		39.00 (Minimum)	64.00 (Nominal)	89.30 (Maximum)		-250.0 (Minimum)	0 (Nominal)	250.0 (Maximum)
4	27.89				0.5164			
		15.00 (Minimum)	25.00 (Nominal)	35.00 (Maximum)		-63.00 (Minimum)	0 (Nominal)	63.00 (Maximum)
5	14.12				9.634			
		4.000 (Minimum)	14.00 (Nominal)	24.00 (Maximum)		-50.00 (Minimum)	0 (Nominal)	50.00 (Maximum)
6	9.775				-4.025			
		5.000 (Minimum)	10.00 (Nominal)	15.00 (Maximum)		-30.00 (Minimum)	0 (Nominal)	30.00 (Maximum)
7	-1.953				9.392			
		-5.000 (Minimum)	0 (Nominal)	5.000 (Maximum)		-30.00 (Minimum)	0 (Nominal)	30.00 (Maximum)

Master: Calibration out of date 28-Nov-2009 22:22

Array Induction Tool – M Master Calibration								
Mud Gain Correction								
Idx	Value	Coarse – Mag, Real, Imag			Value	Fine – Mag, Real, Imag		
0	1.112				1.113			
		0.8000 (Minimum)	1.000 (Nominal)	1.200 (Maximum)		0.8000 (Minimum)	1.000 (Nominal)	1.200 (Maximum)
1	1.112				1.113			
		0.8000 (Minimum)	1.000 (Nominal)	1.200 (Maximum)		0.8000 (Minimum)	1.000 (Nominal)	1.200 (Maximum)
2	1.112				1.113			
		0.8000 (Minimum)	1.000 (Nominal)	1.200 (Maximum)		0.8000 (Minimum)	1.000 (Nominal)	1.200 (Maximum)

Master: Calibration out of date 28-Nov-2009 22:22

Scintillation Gamma Ray Tool – N / Equipment Identification

Primary Equipment:

Scintillation Gamma Cartridge
Scintillation Gamma Detector




SGC – TB
SGD – TAB

Auxiliary Equipment:

Scintillation Gamma Housing
Gamma Source Radioactive

SGH – K
GSR – U/Y

Detector Calibration

Phase	Gamma Ray Background GAPI	Value	Phase	Gamma Ray (Jig - Bkg) GAPI	Value	Phase	Gamma Ray (Calibrated) GAPI	Value
Before		30.64	Before		154.8	Before		165.0
0 (Minimum)	30.00 (Nominal)	120.0 (Maximum)	140.8 (Minimum)	154.8 (Nominal)	168.9 (Maximum)	150.0 (Minimum)	165.0 (Nominal)	180.0 (Maximum)

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DTS Telemetry Tool / Equipment Identification

Primary Equipment:		
DTC-H Auxiliary Cartridge	DTCH - A	
DTC-H Telemetry Cartridge	DTCH - A	8461
Auxiliary Equipment:		
DTCH Telemetry Cartridge Housing	ECH - KC	6371

Company: **Stone Energy Corporation**



Well: **Mills-Wetzel #1H**

Field: **Heather**

County: **Wetzel**

State: **West Virginia**

PLATFORM EXPRESS
 ARRAY INDUCTION
 GAMMA RAY / CALIPER