

Company: **Esoo Australia Ltd**

Well: **A7a**

Field: **Snapper**

Rig: **Prod 4 / Crane**

Country: **Australia**

**Gamma Ray
Casing Collar
Correlation Log**

Prod 4 / Crane
Snapper
Gippsland
A7a
Esoo Australia Ltd

LOCATION		
Gippsland	Permanent Datum: _____ Log Measured From: _____ Drilling Measured From: _____	Elev.: K.B. 41.68 m
Basin		G.L. -55.00 m
Bas Strait		D.F. 41.68 m
State: Victoria	Max. Well Deviation 64 deg	Longitude 148 101 26.72 E
		Latitude 038 011 43.23 S

Logging Date	22-Jul-2009		
Run Number	1		
Depth Driller	2984 m		
Schlumberger Depth	2871 m		
Bottom Log Interval	2871 m		
Top Log Interval	2020 m		
Casing Fluid Type	Production Fluids		
Salinity			
Density	1.2 g/cm3		
Fluid Level			
BIT/CASING/TUBING STRING			
Bit Size	9.875 in		
From	730 m		
To	2984 m		
Casing/Tubing Size	7.000 in		
Weight	26 lbn/ft		
Grade	L-80		
From	21.72 m		
To	2984 m		
Maximum Recorded Temperatures	103 degC		
Logger On Bottom	22-Jul-2009		5:00
Unit Number	889	Prod4 / AUSL	
Recorded By	B. Donahoe, B. Parker		
Witnessed By	G. Rimmer, D. Madden		

PVT DATA			
Oil Density	Run 1	Run 2	Run 3
Water Salinity			
Gas Gravity			
Bo			
Bw			
1/Bg			
Bubble Point Pressure			
Bubble Point Temperature			
Solution GOR			
Maximum Deviation	64 deg		
CEMENTING DATA			
Primary/Squeeze	Primary		
Casing String No			
Lead Cement Type			
Volume			
Density			
Water Loss			
Additives			
Tail Cement Type			
Volume			
Density			
Water Loss			
Additives			
Expected Cement Top			
Logging Date			
Run Number			
Depth Driller			
Schlumberger Depth			
Bottom Log Interval			
Top Log Interval			
Casing Fluid Type			
Salinity			
Density			
Fluid Level			
BIT/CASING/TUBING STRING			
Bit Size			
From			
To			
Casing/Tubing Size			
Weight			
Grade			
From			
To			
Maximum Recorded Temperatures			
Logger On Bottom			
Unit Number			
Recorded By			
Witnessed By			

DEPTH SUMMARY LISTING	
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Date Created: 24-JUL-2009 8:48:26

Depth System Equipment

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW-EB	Type:	PSDS/OSDS	Type:	2-32ZT
Serial Number:	6373	Serial Number:	325357	Serial Number:	208196
Calibration Date:	2-Dec-2008	Calibration Date:	20-Jul-2009	Length:	5100 M
Calibrator Serial Number:	30	Calibrator Serial Number:	1167		
Calibration Cable Type:	2-32ZT	Number of Calibration Points:	10	Conveyance Method:	Wireline
Wheel Correction 1:	-1	Calibration RMS:	10	Rig Type:	Offshore Fixed
Wheel Correction 2:	-2	Calibration Peak Error:	19		

Depth Control Parameters	
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Log Sequence:	Subsequent Log In the Well
Reference Log Name:	ExxonMobil Composite Log
Reference Log Run Number:	N/A
Reference Log Date:	18-May-2008

Depth Control Remarks	
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1. All Schlumberger depth procedures followed.
2. IDW used as primary depth reference, Z chart used as secondary.
3. CMTD used as primary tension device.

DISCLAIMER

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OTHER SERVICES1	
OS1:	
OS2:	
OS3:	
OS4:	

REMARKS: RUN NUMBER 1

Log correlated to ExxonMobil composite log 18–May–2009, supplied with the logging program.
Maximum well deviation = 64deg @ 1749m MDKB.
Objectives: RIH with a dummy 7.0" MPBT with GR/CCL down to HUD (2196m MDKB) to ensure access for toolstrings.
Whilst POOH complete CCL log over interval, 2040m to 2020m MDKB area of proposed tubing cut.
Tag HUD at 2871m MDKB.
Maximum recorded temperature 217degF

Crew: J Light, N Simmons, R Murray, B Taylor.					
RUN 1			RUN 2		
SERVICE ORDER #:		B297-00011	SERVICE ORDER #:		
PROGRAM VERSION:		16C0-147	PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP
EQUIPMENT DESCRIPTION					
RUN 1			RUN 2		
SURFACE EQUIPMENT					
WITM-A PSC_16MHZ					
DOWNHOLE EQUIPMENT					
AH-SWBS-B AH-SWBS-B 785			9.03		
AH-SWBS-B AH-SWBS-B 786			8.34		
AH-SWBS-B AH-SWBS-B 787			7.66		
AH-SWBS-B AH-SWBS-B 788			6.97		
AH-SWBS-B AH-SWBS-B 789			6.29		
MH-SWHS-A MH-SWHS-A 759			5.60		
PSPT-A/B PSC-A PSPT-B 827 PSTC PBMS-B CQG_F_Mano RTD_Thermometer GR CCL PBMS			5.26		
Detail MT TelStatus CTEM			5.26		
GR			4.13		

Well Temp
CQG Manom
CCL
PBMS PSTC

3.20
3.09
2.97
2.74

AH-125
AH-Dummy
AH-Dummy

2.74
2.70

Tension HV 0.00
TOOL ZERO

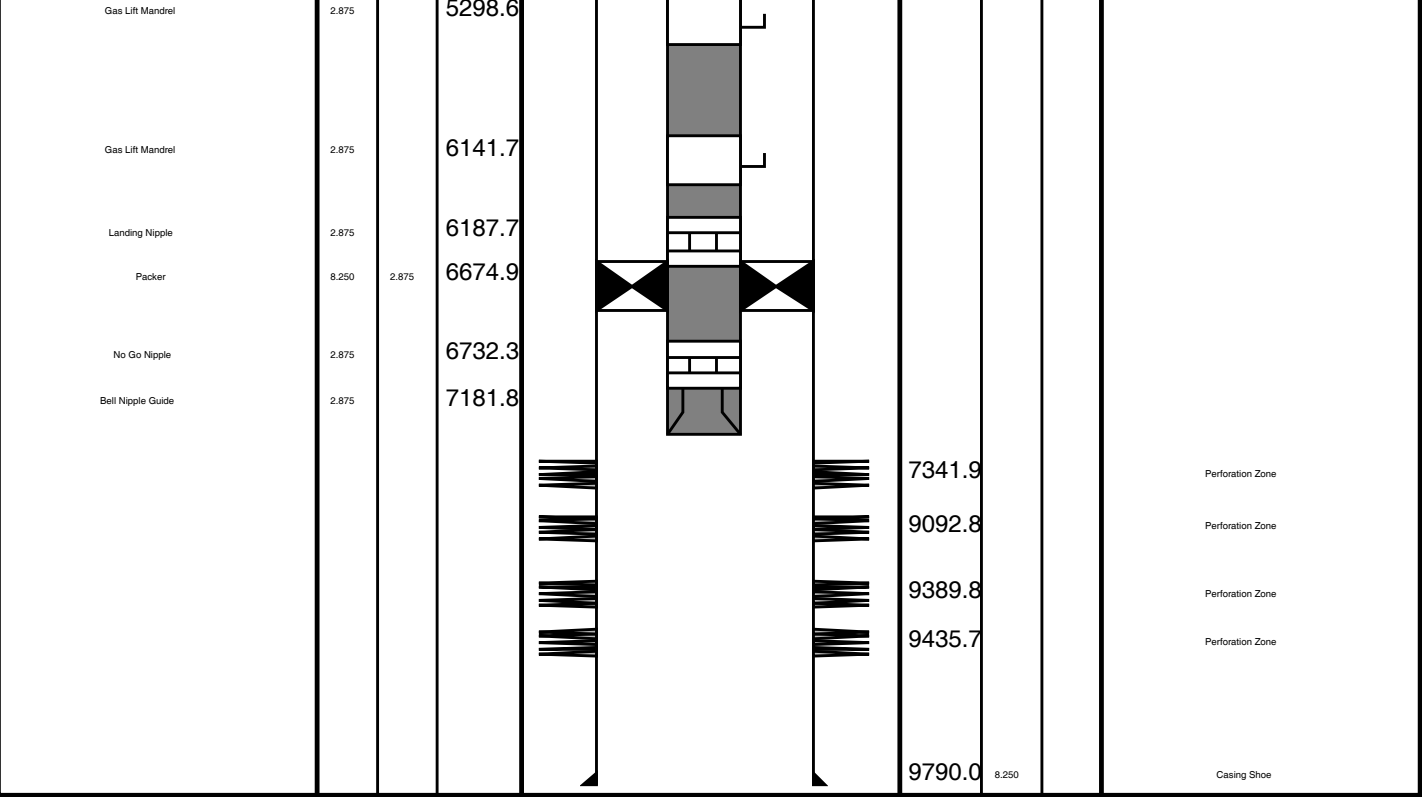
MAXIMUM STRING DIAMETER 2.13 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

Client: Esso Australia Ltd
Well: A7a
Field: Snapper
State: Victoria
Country: Australia

Rig Name:
Reference Datum: Drill Floor
Elevation: 41.6 ft

Drawing Date: 7/21/2009

Production String	(in) OD	(in) ID	(ft) MD	Well Schematic	(ft) MD	(in) OD	(in) ID	Casing String
Tubing Hanger	3.5	2.875	68.9		0.0	8.250	10.750	Casing String
Tubing	2.875		68.9		136.7	8.250	10.750	Casing String
					136.7			Liner Hanger
Shutin Valve	2.875		1475.1					
Gas Lift Mandrel	2.875		1629.3					
					2395.0	10.750		Casing Shoe
Gas Lift Mandrel	2.875		3605.6					



GR – CCL Correlation Pass

MAXIS Field Log

Company: Esso Australia Ltd Well: A7a

Input DLIS Files						
DEFAULT	PSP_029LUP	FN:28	PRODUCER	22-Jul-2009 16:58	2876.4 M	1991.3 M
Output DLIS Files						
DEFAULT	PSP_034PUP	FN:34	PRODUCER	22-Jul-2009 18:53	2874.3 M	1983.8 M
CUST	PSP_034PUC	FN:35	CUSTOMER	22-Jul-2009 18:53	2874.3 M	1983.8 M
RTB	PSP_034PUP	FN:36	PRODUCER	22-Jul-2009 18:53	2874.3 M	1983.8 M

OP System Version: 16C0-147
MCM

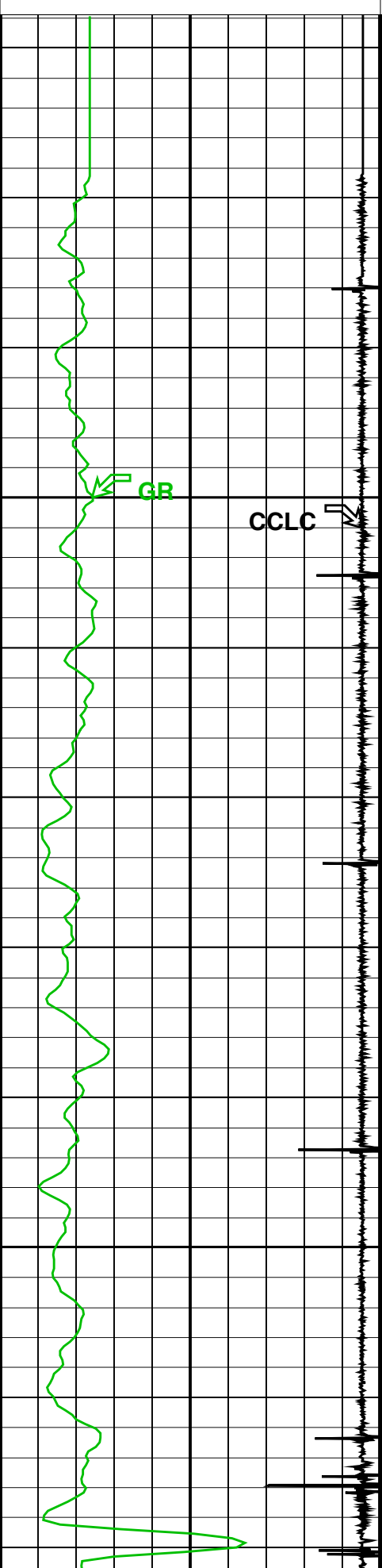
PSPT-A/B SRPC-3777-Q4_2008_OP16

Gamma Ray (GR)

Tension (TENS)

Gamma Ray (GR)
(GAPI) 150

Computed CCL (CCLC)
(V) 1



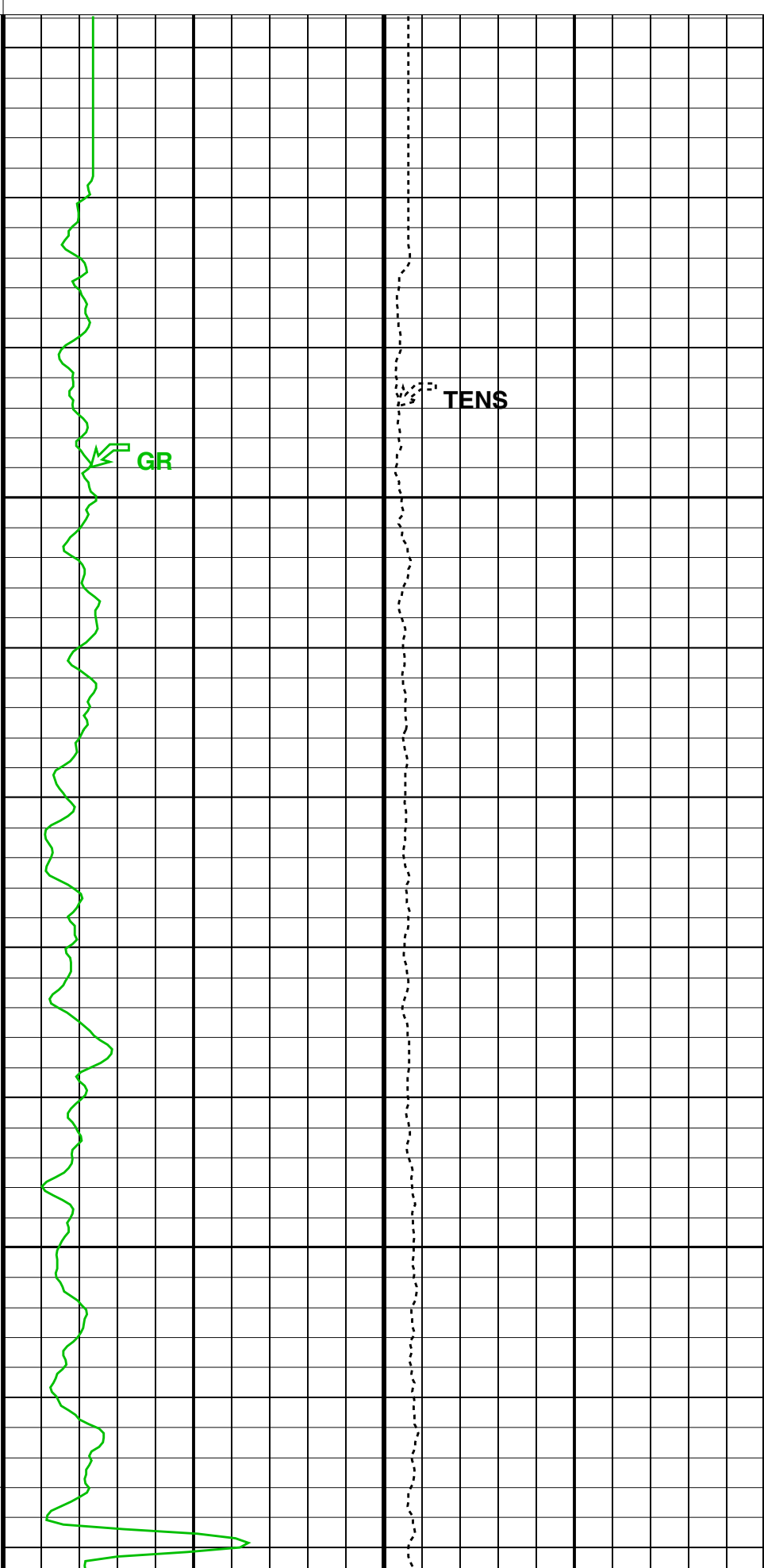
2000

2025

2033.00 M
Packer

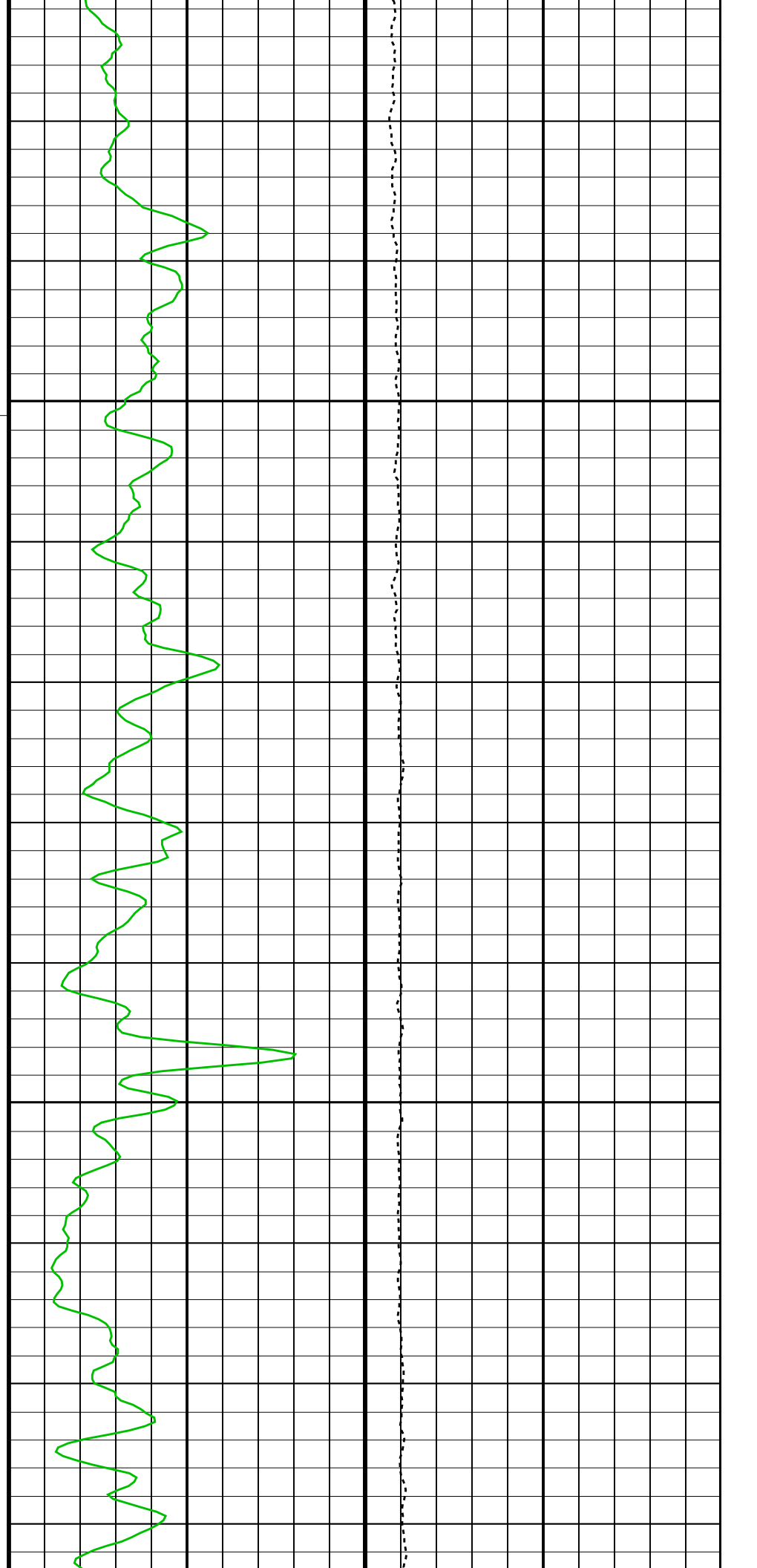
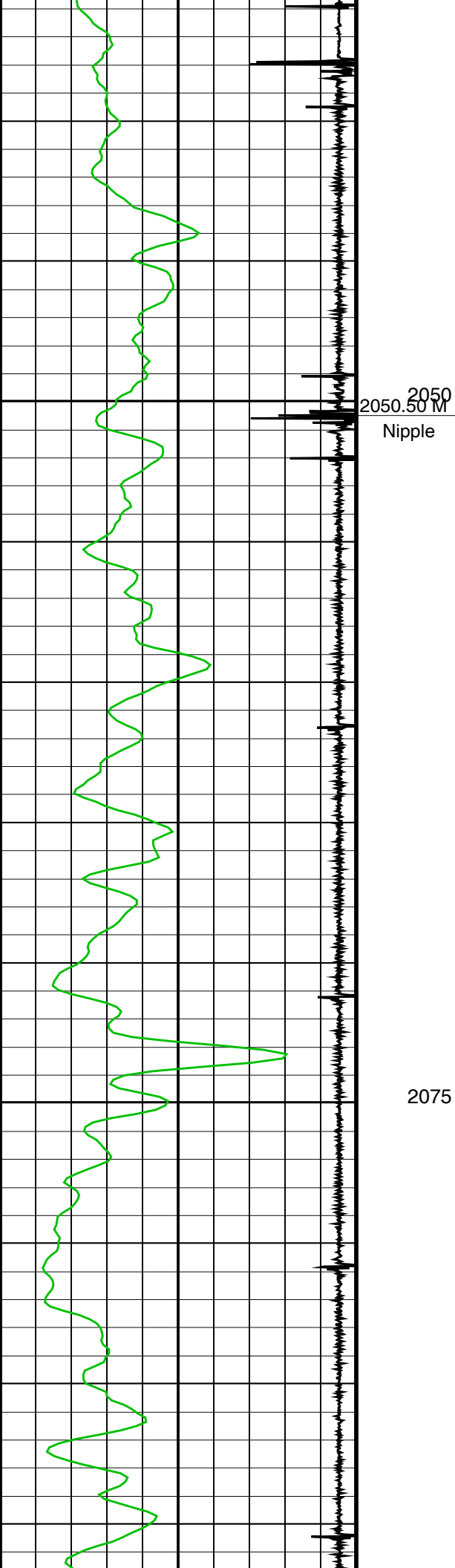
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(LBF) 2000

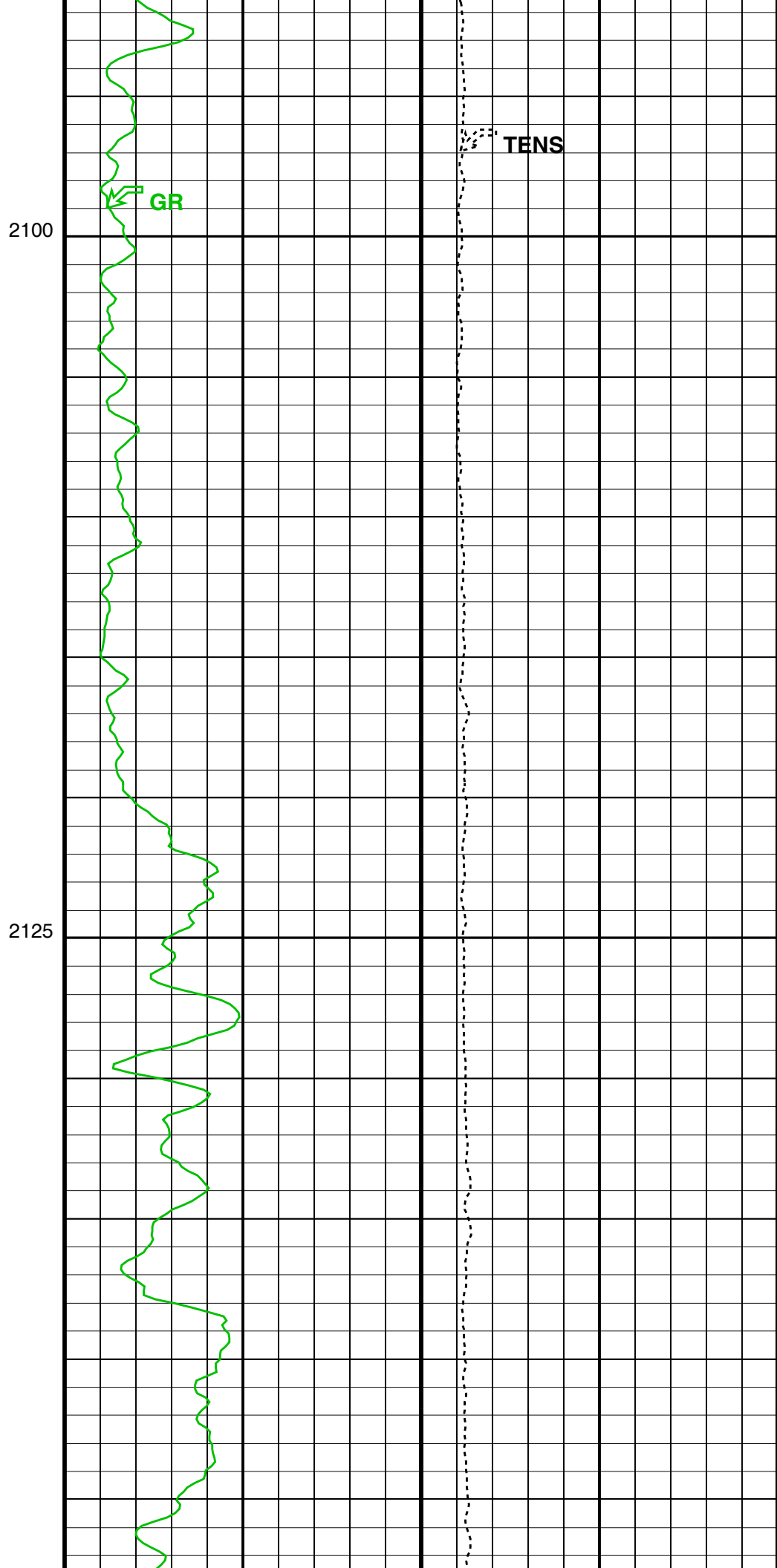
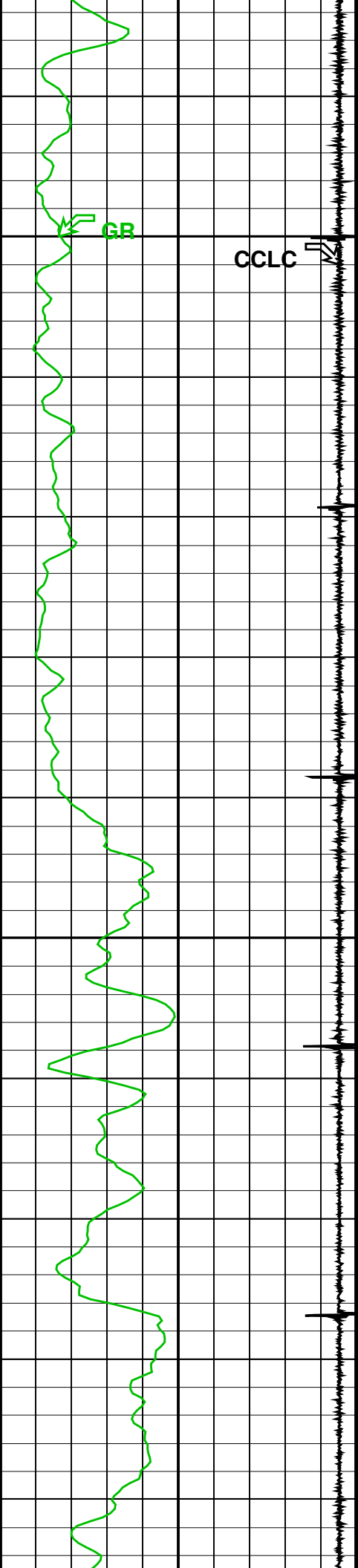
Gamma Ray (GR)
(GAPI) 300

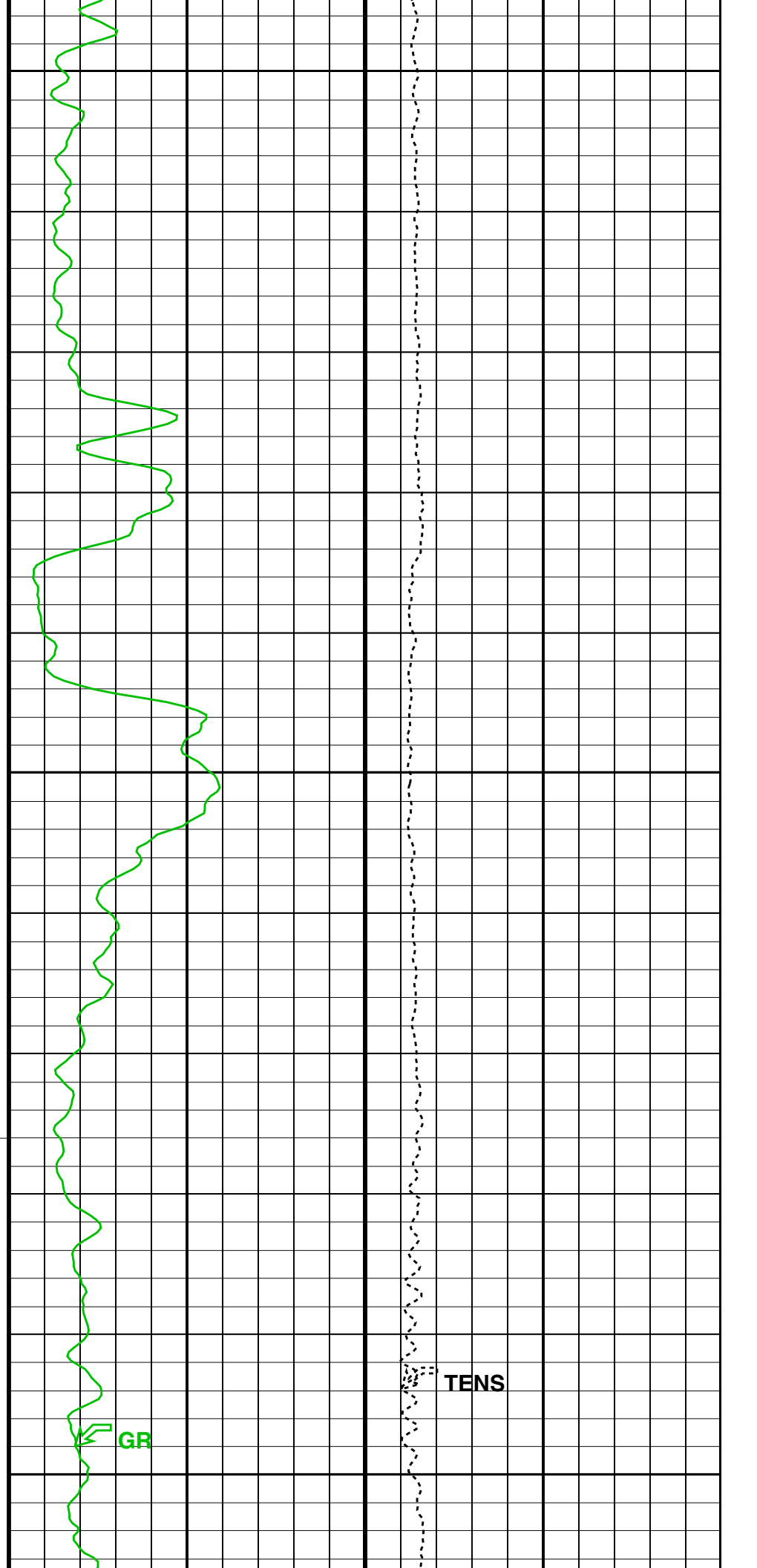
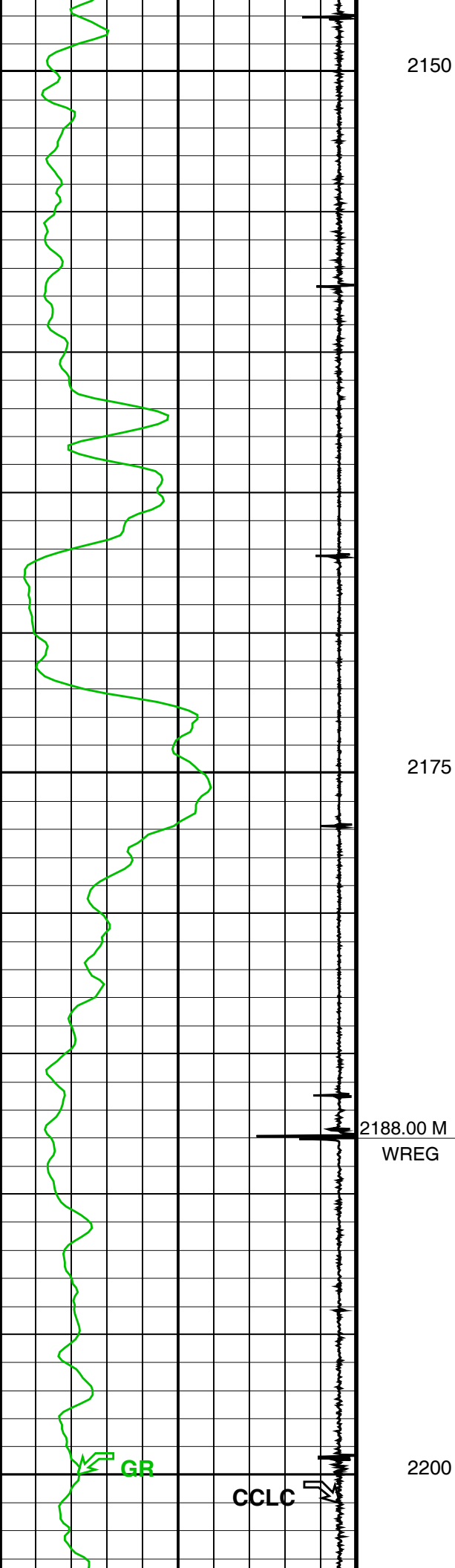


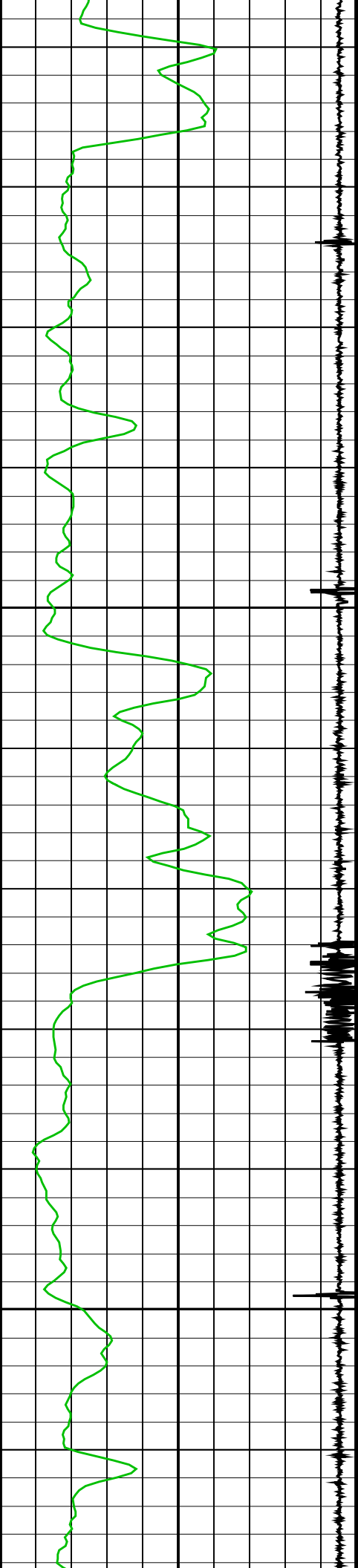
TENS

GR



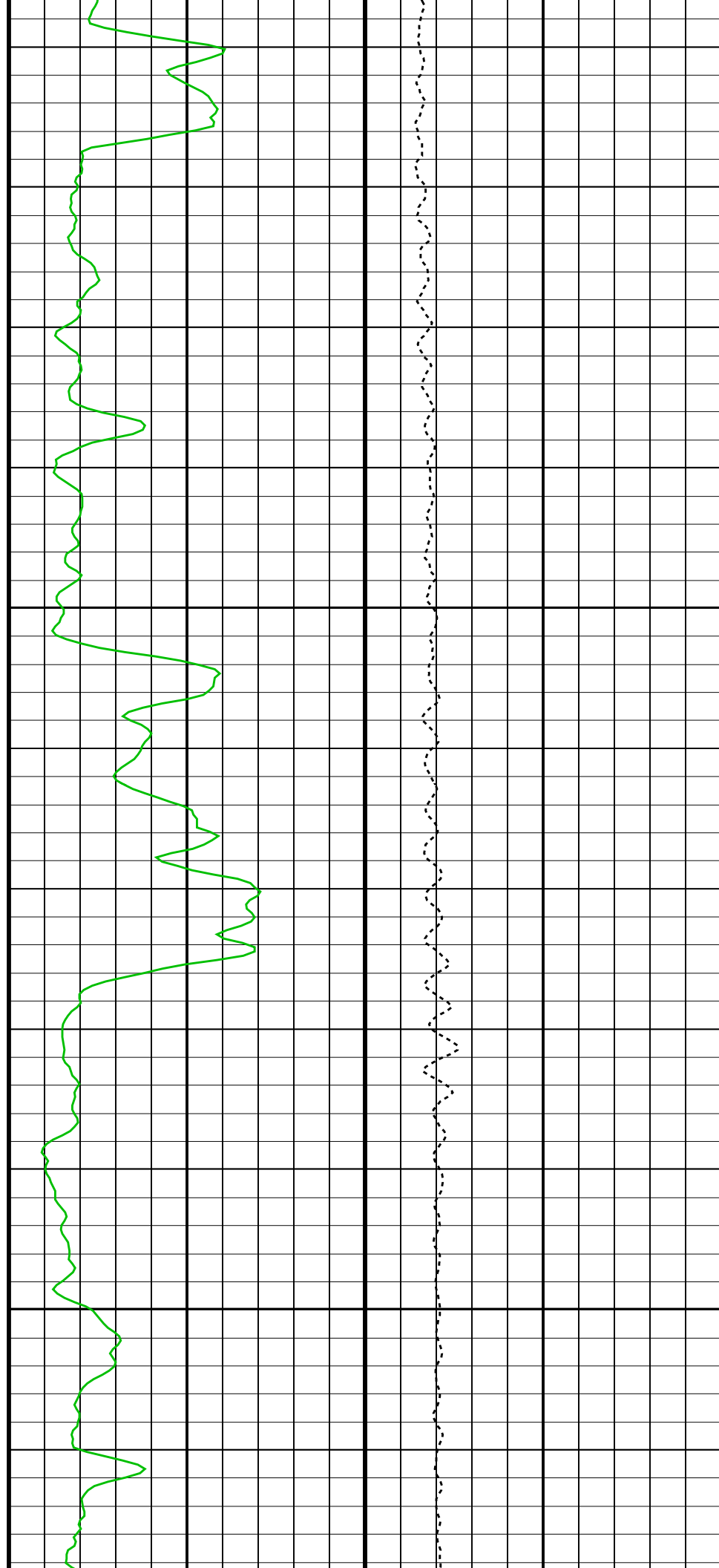


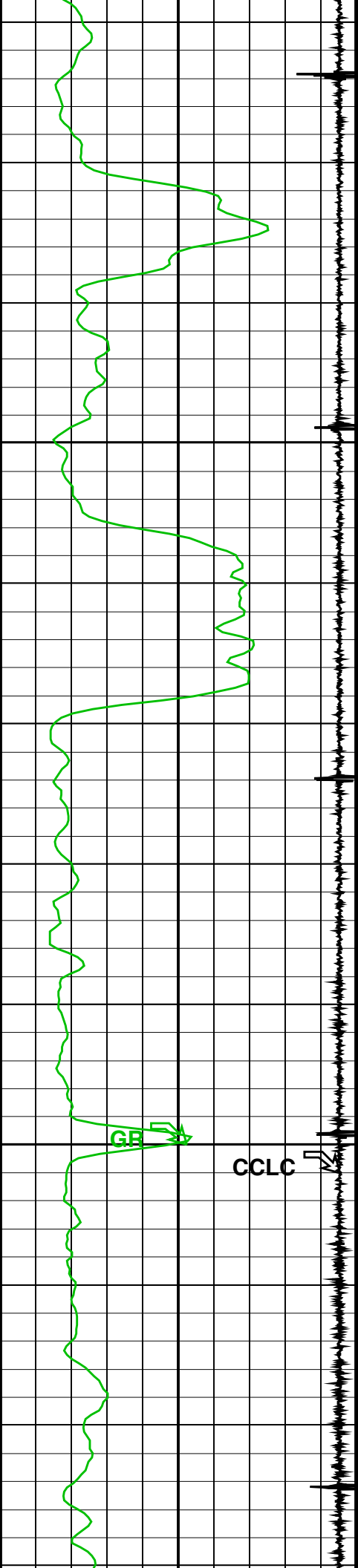




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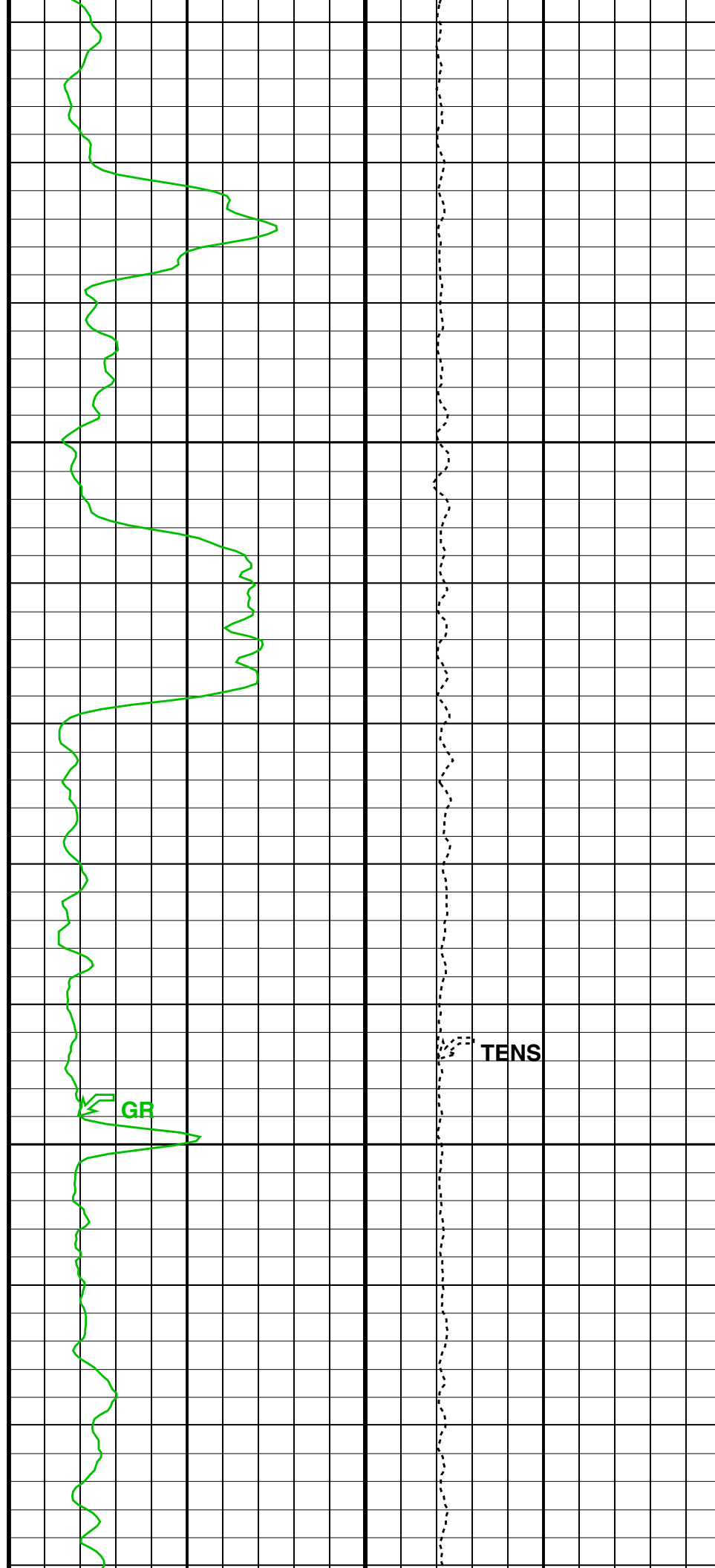
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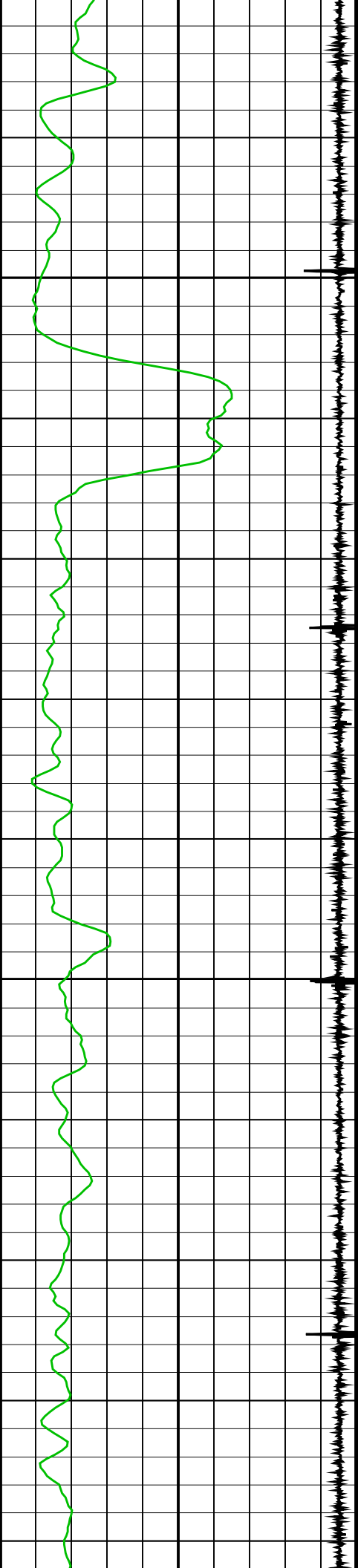




2275

2300

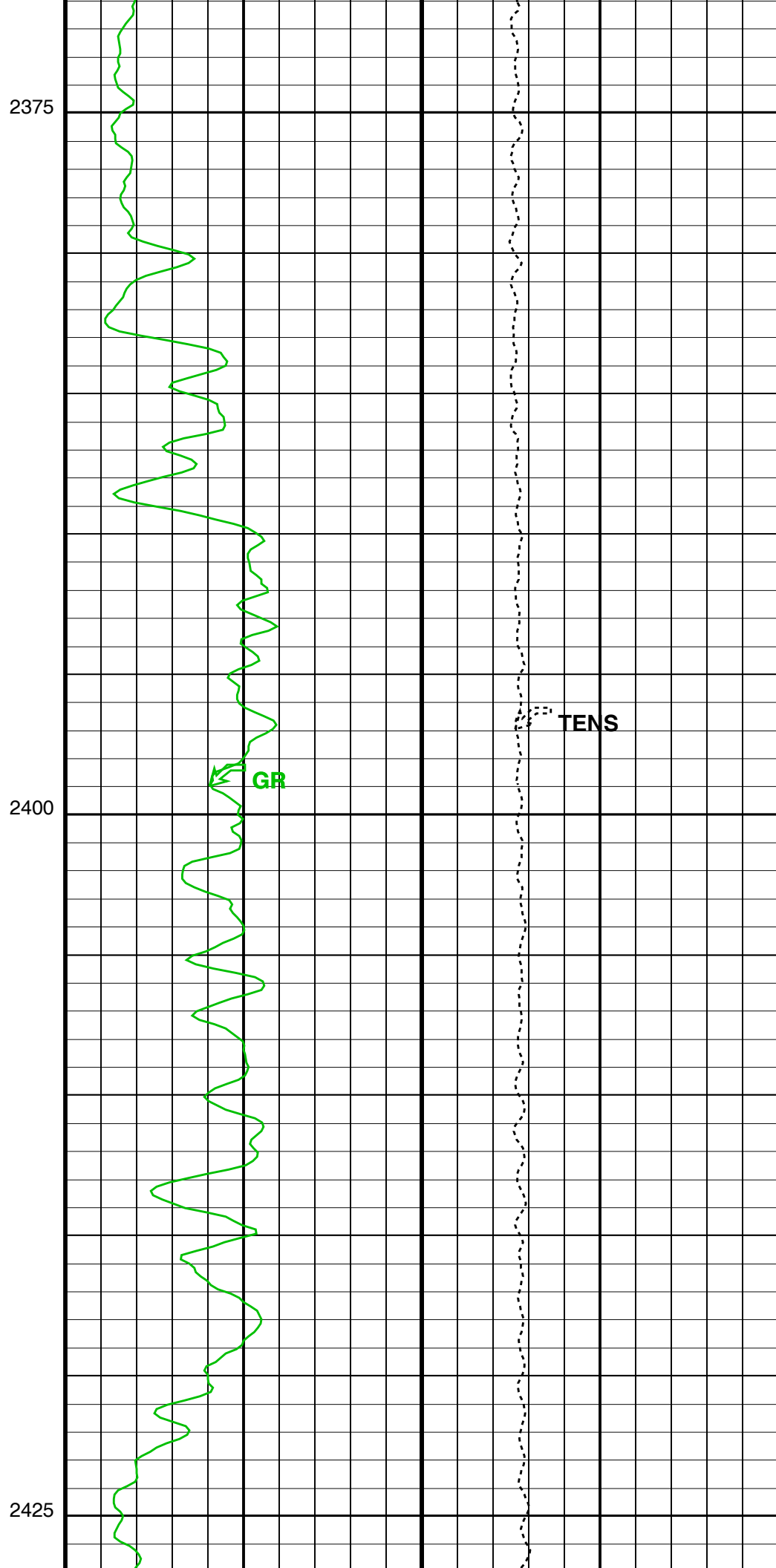
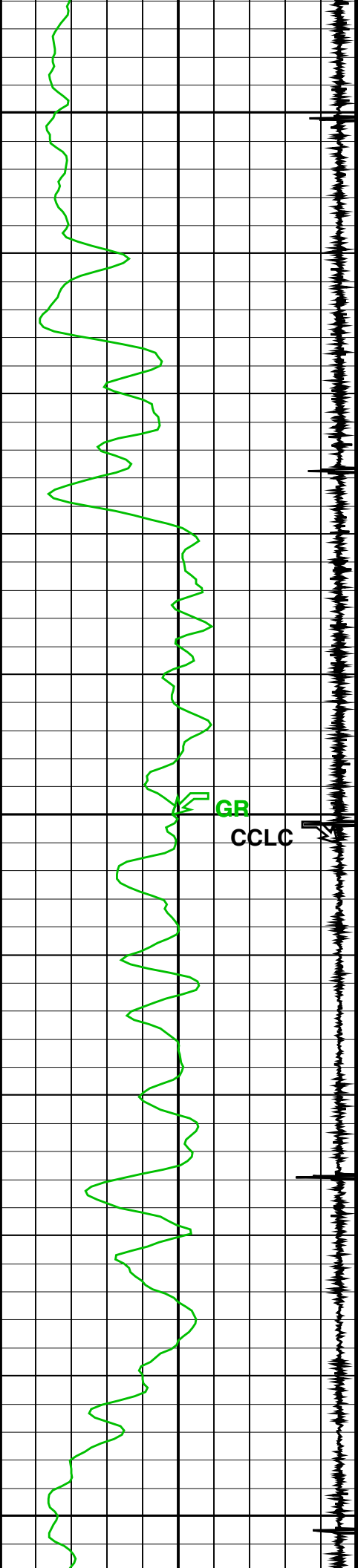


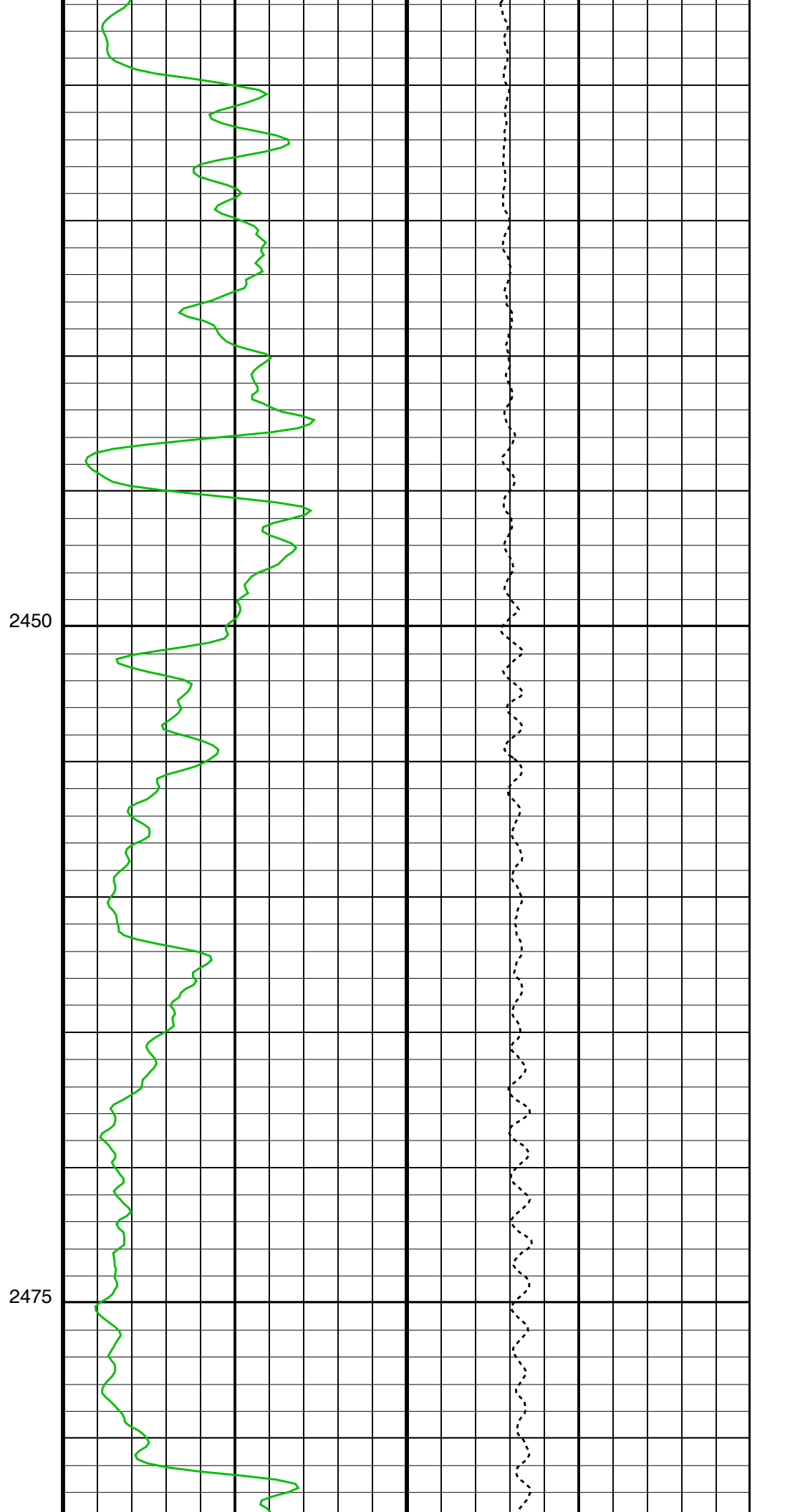
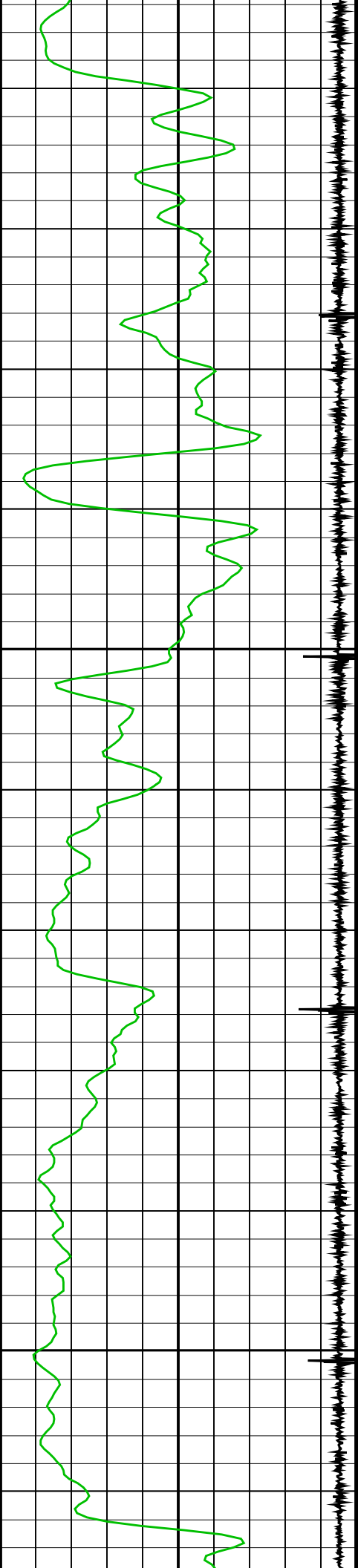


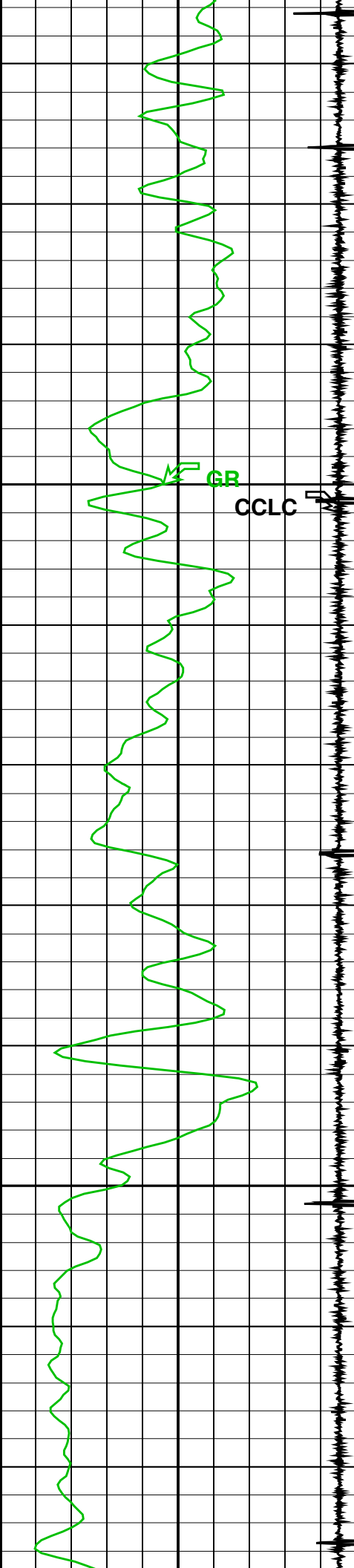
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2350



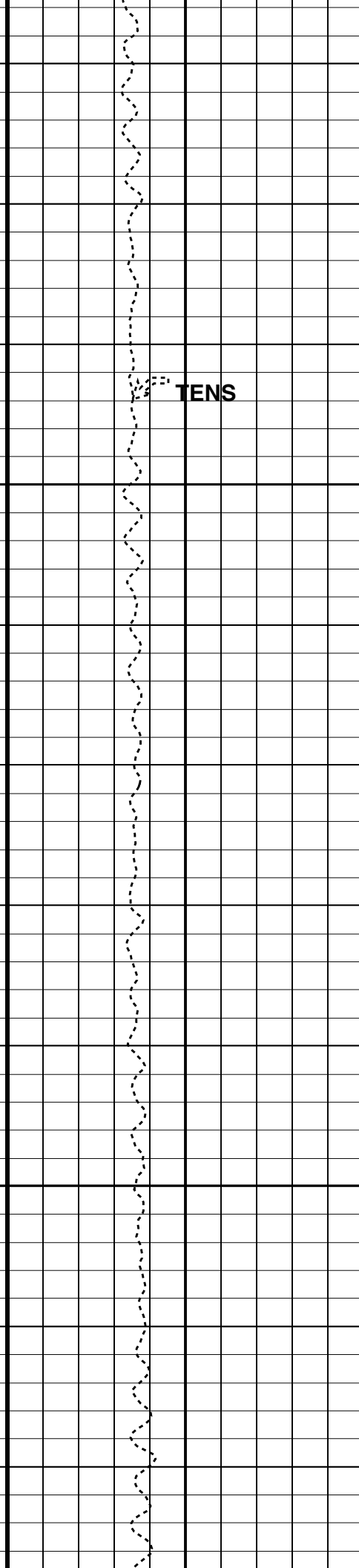
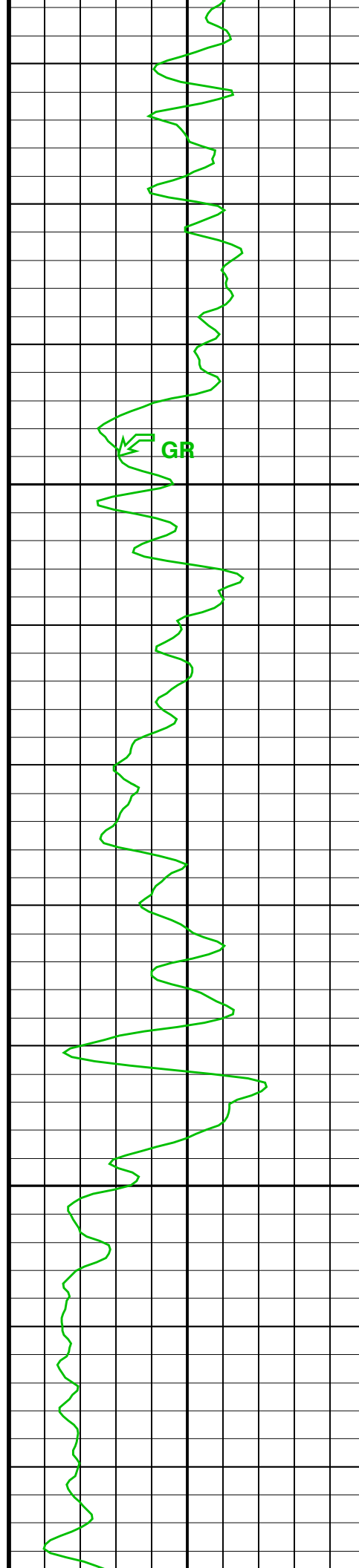


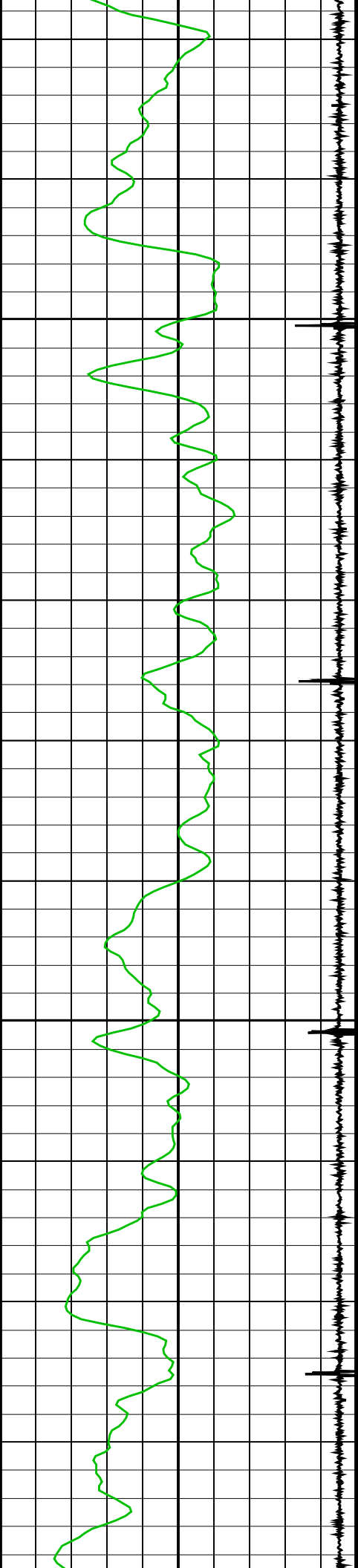




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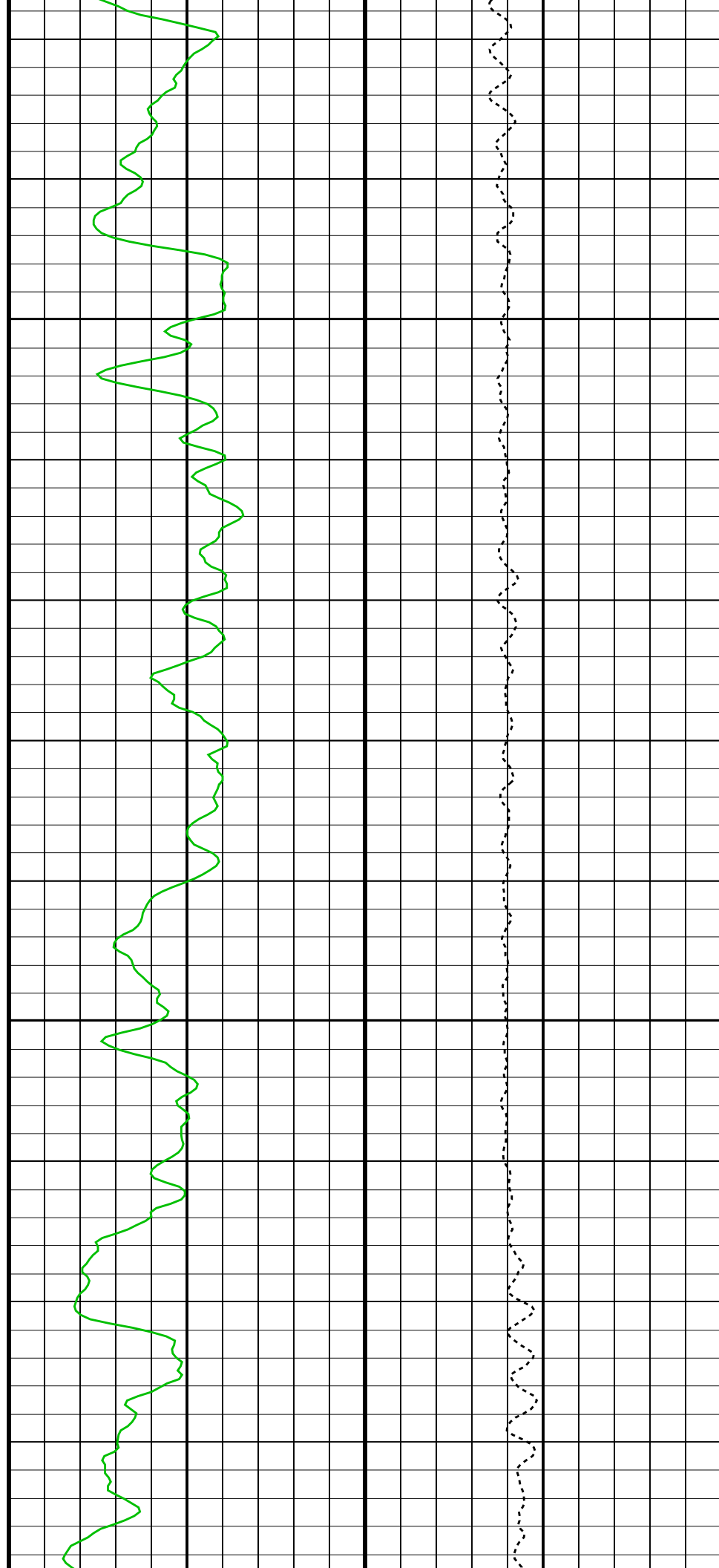
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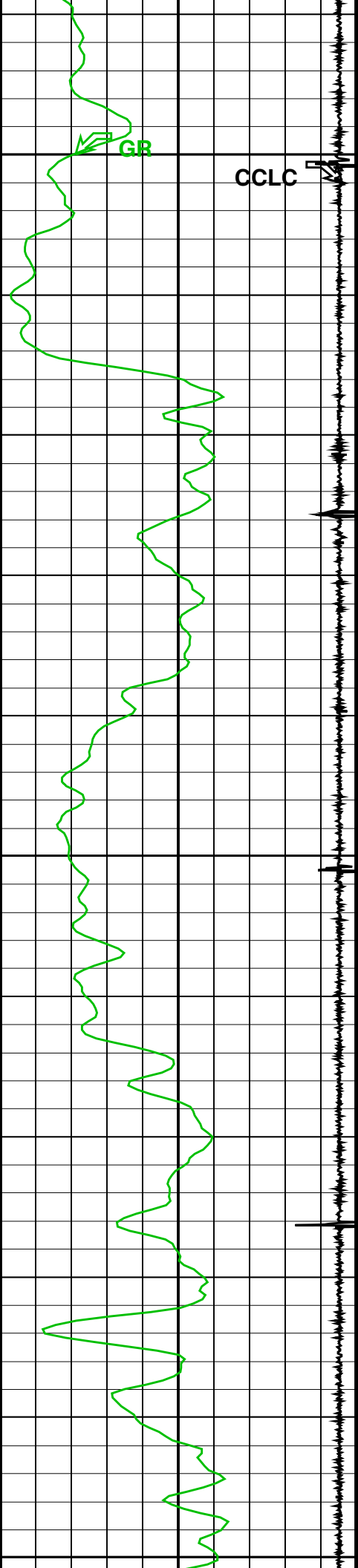


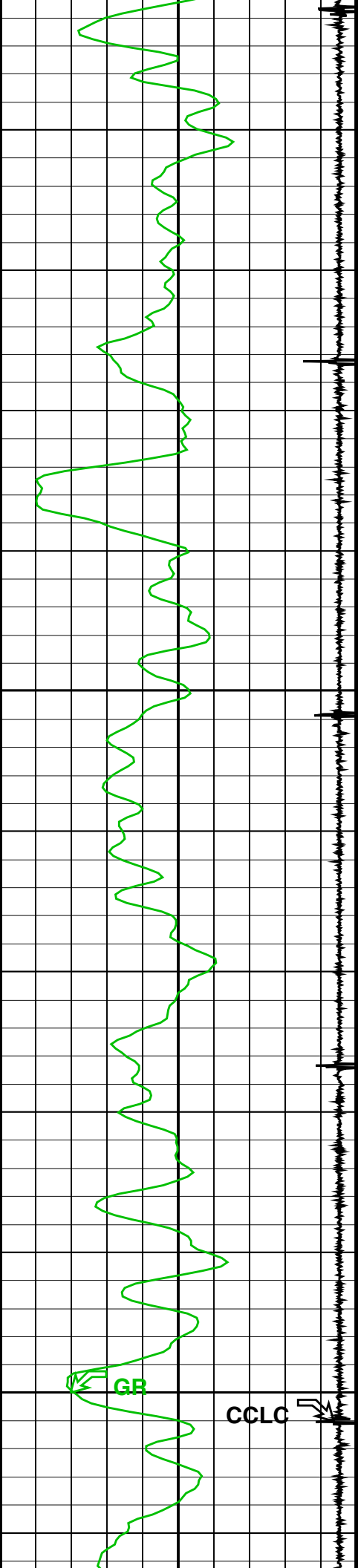


2550

2575

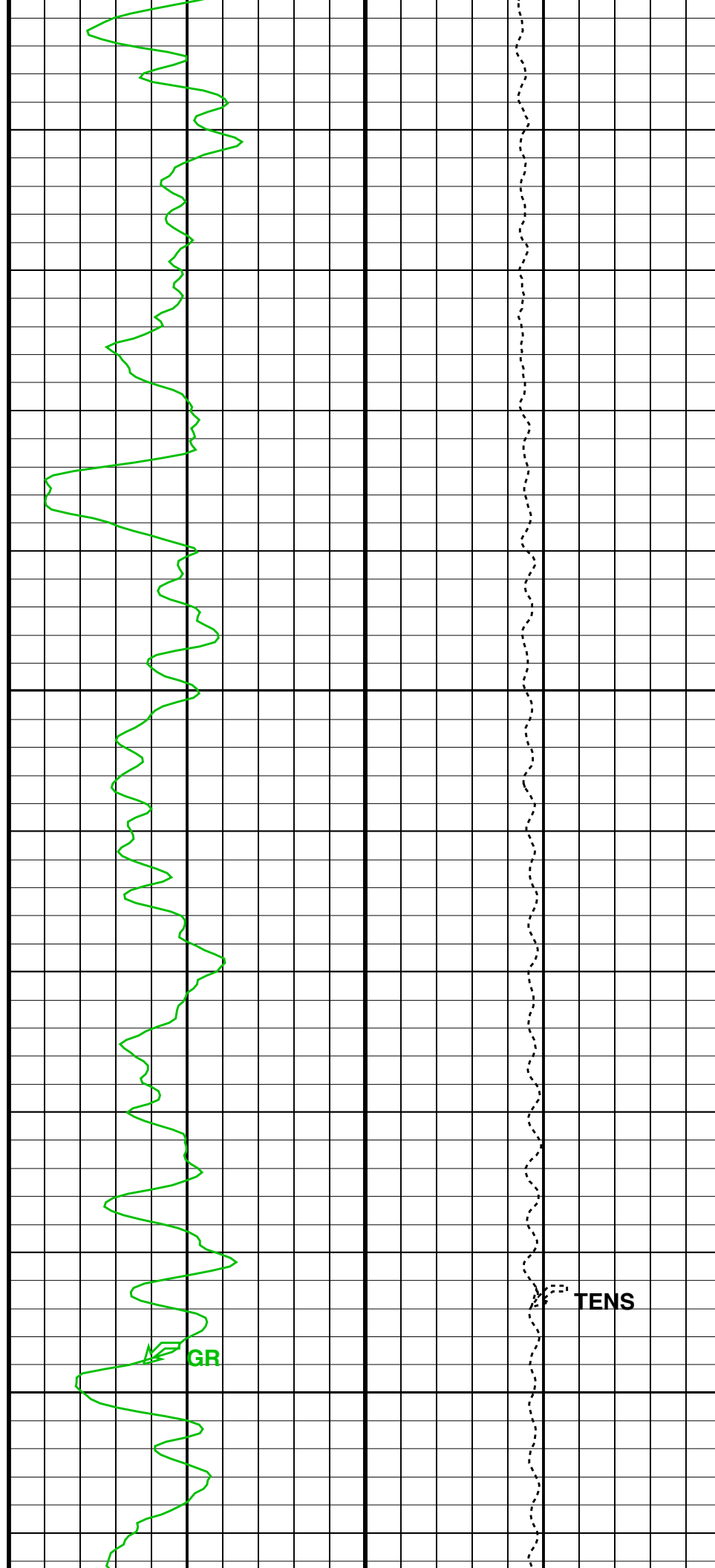




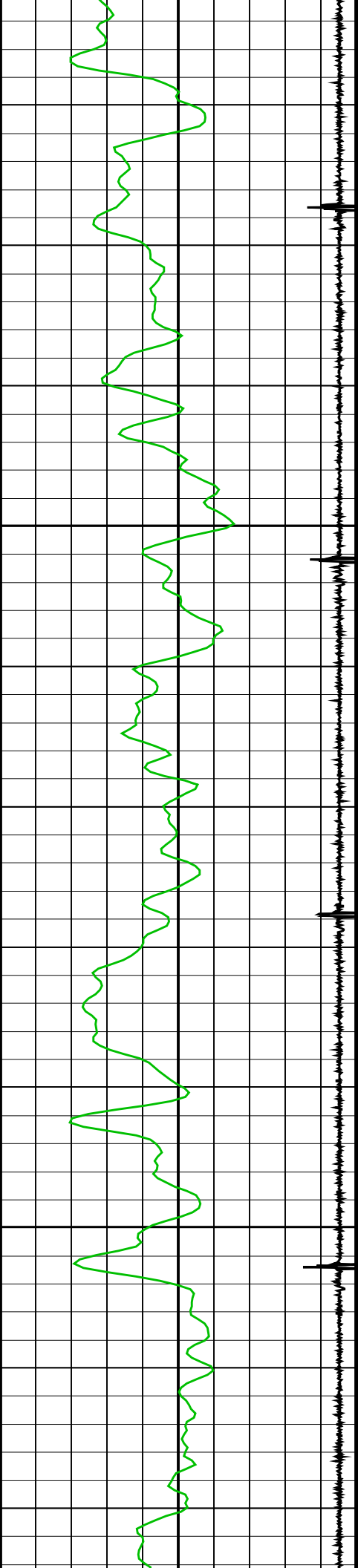


2675

2700

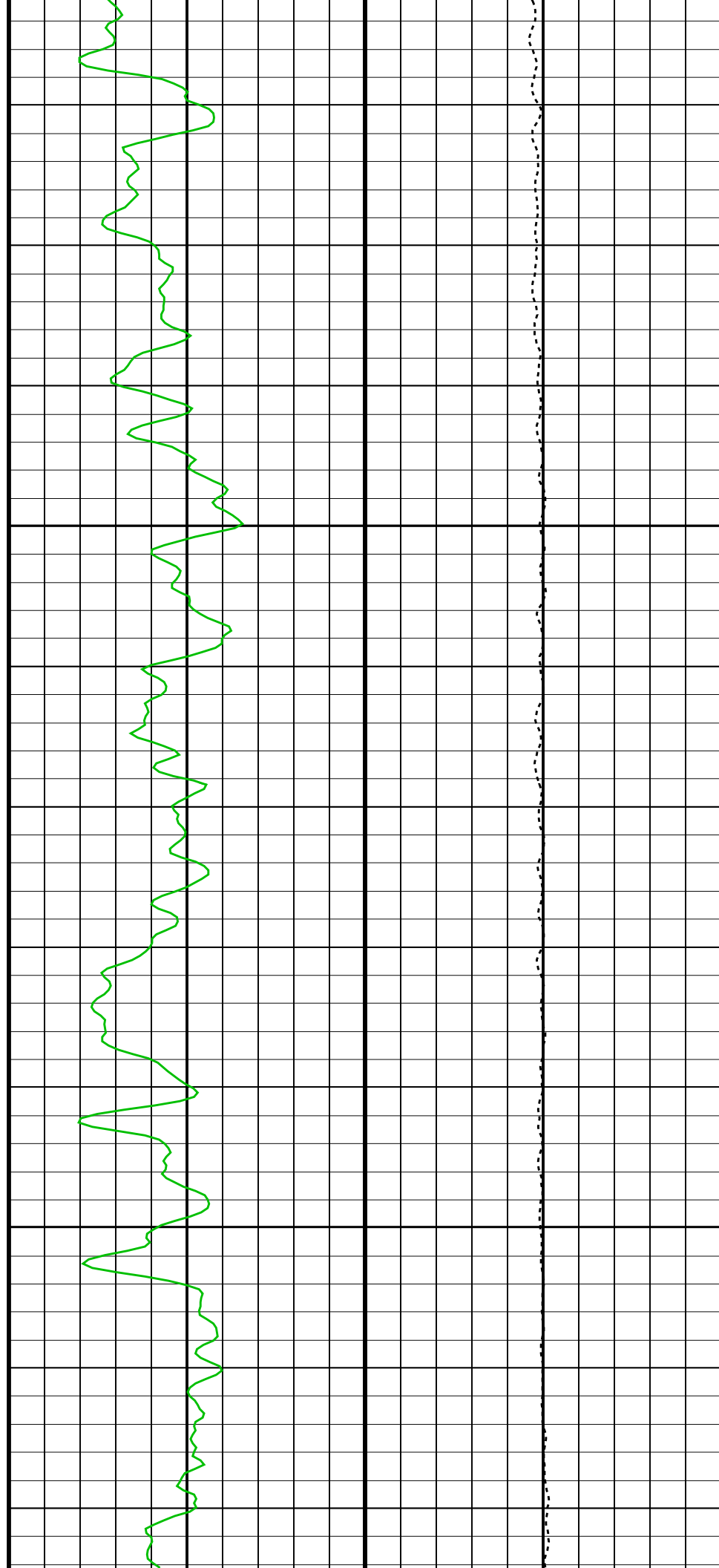


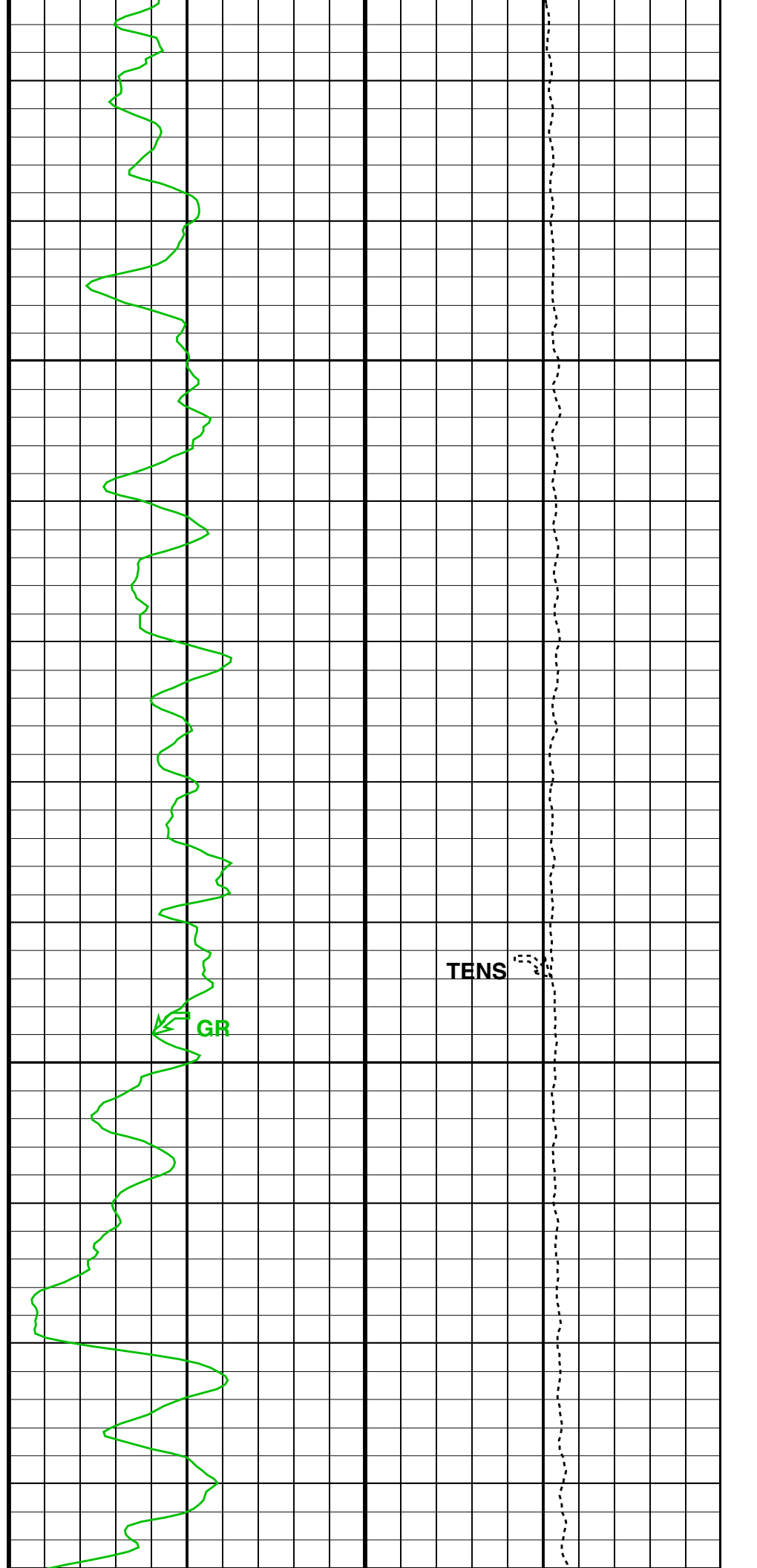
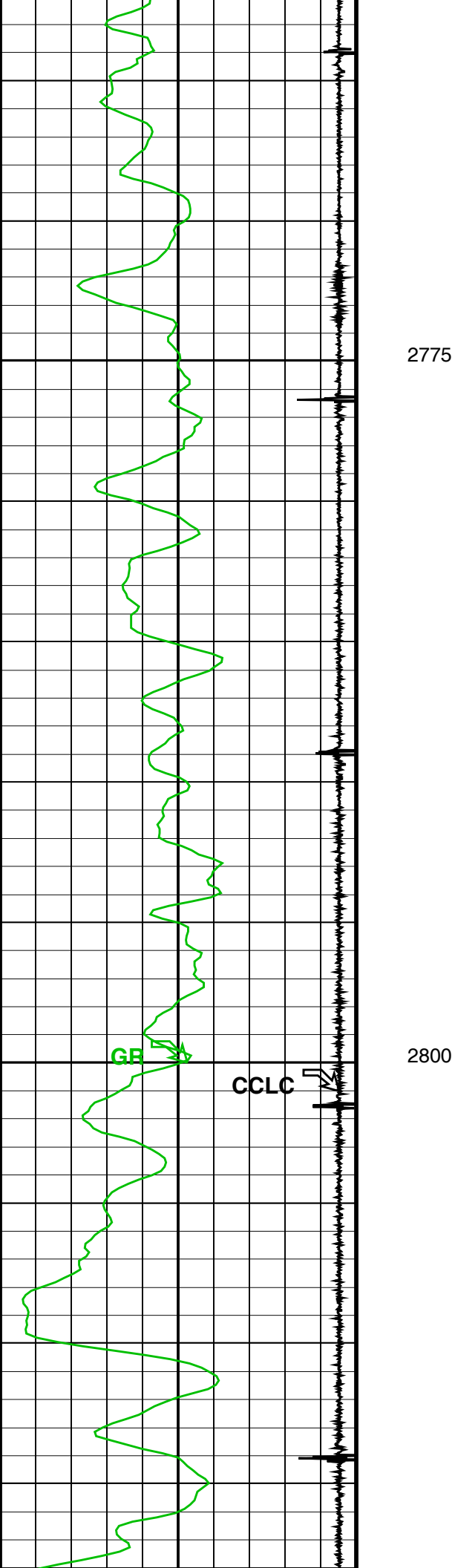
TENS

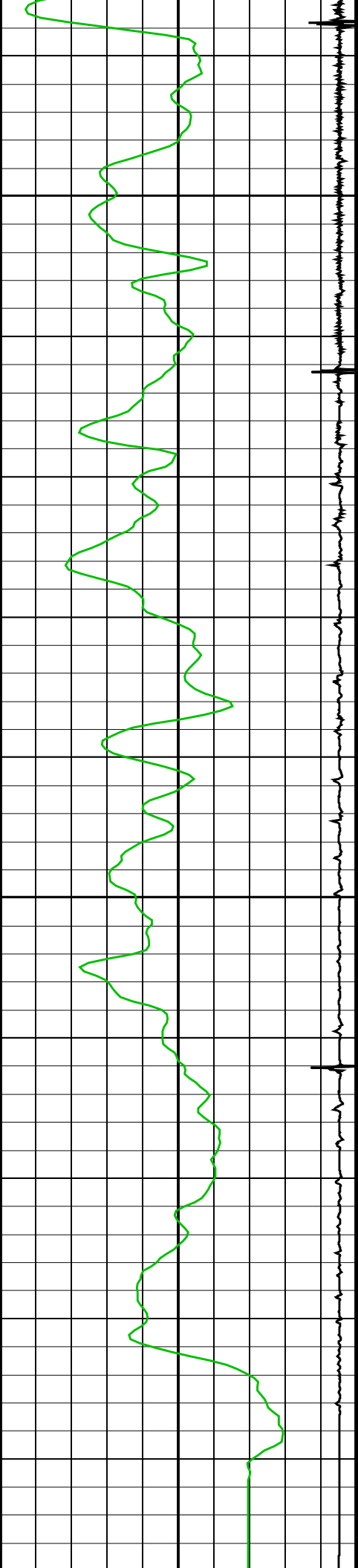


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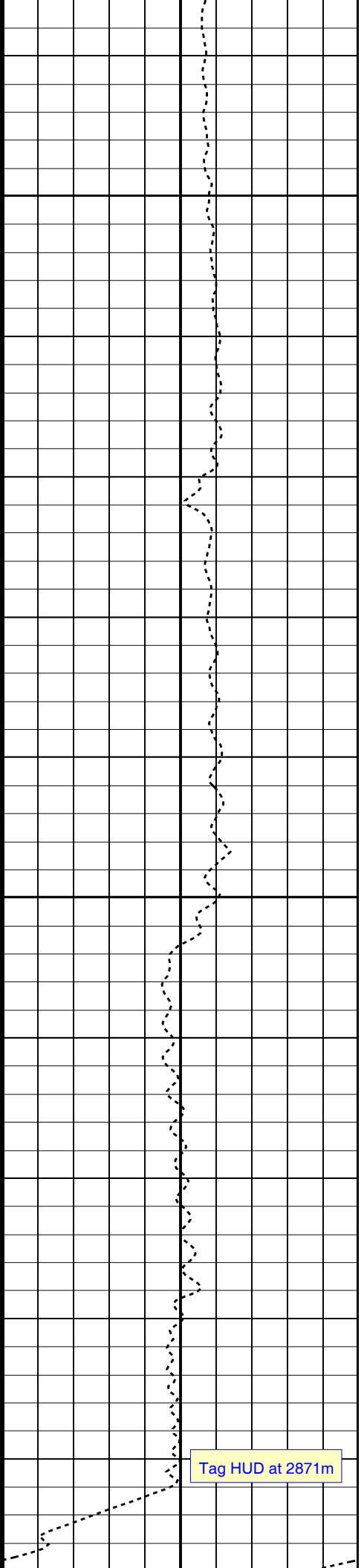
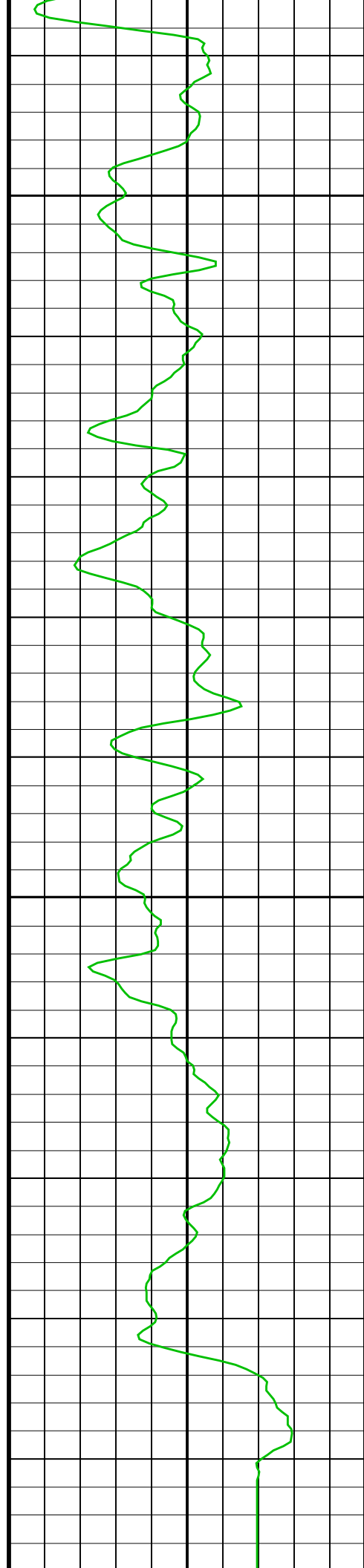






2825

2850



Tag HUD at 2871m

Computed CCL (CCLC)			Gamma Ray (GR)		
-19	(V)	1	0	(GAPI)	300
Gamma Ray (GR)			Tension (TENS)		
0	(GAPI)	150	0	(LBF)	2000

Parameters			
DLIS Name	Description	Value	
System and Miscellaneous			
DO	Depth Offset for Playback	-2.1	M
PP	Playback Processing	NORMAL	
Format: CORRELATION		Vertical Scale: 1:200	
		Graphics File Created: 22-Jul-2009 18:53	

OP System Version: 16C0-147					
MCM					
PSPT-A/B	SRPC-3777-Q4_2008_OP16				

Input DLIS Files					
DEFAULT	PSP_029LUP	FN:28	PRODUCER	22-Jul-2009 16:58	2876.4 M 1991.3 M
Output DLIS Files					
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RTB	PSP_034PUP	FN:36	PRODUCER	22-Jul-2009 18:53	

Company:	Esso Australia Ltd	Schlumberger
Well:	A7a	
Field:	Snapper	
Rig:	Prod 4 / Crane	
Country:	Australia	
Gamma Ray Casing Collar Correlation Log		