

Company: Esso Australia Pty Ltd.

Well: WKF W-26  
Field: West Kingfish  
Rig: Rig 22/Prod 2

Country: Australia

2.5" Powercutter  
Tubing Cut Record  
18-Mar-2009

Rig: Rig 22/Prod 2  
Field: West Kingfish  
Location: Bass Strait  
Well: WKF W-26  
Company: Esso Australia Pty Ltd.

LOCATION			
Bass Strait Gippsland Basin	Permanent Datum:	GROUND LEVEL	
	Log Measured From:	D.F.	Elev.: 34.20 m
	Drilling Measured From:	K.B.	G.L. -77.00 m D.F. 34.20 m
State: Victoria	Max. Well Deviation 63 deg	Longitude 148° 6' 15.1" E	Latitude 038 35' 40.7" S

Logging Date	18-Mar-2009		
Run Number	1		
Depth Driller	3869 m		
Schlumberger Depth	3686.5 m		
Bottom Log Interval	3670 m		
Top Log Interval	3670 m		
Casing Fluid Type	Production Fluid		
Salinity			
Density	8.55 g/cm3		
Fluid Level	4.4 m		
BIT/CASING/TUBING STRING			
Bit Size	8.500 in		
From	12.9 m		
To	3749 m		
Casing/Tubing Size	3.500 in		
Weight	26.4 lbm/ft		
Grade	L-80		
From	13.85 m		
To	3722 m		
Maximum Recorded Temperatures	500000000 degC		
Logger On Bottom	18-Mar-2009	Time	16:19
Unit Number	3827	AUSL	
Recorded By	M. Pratt, S. Gilbert		
Witnessed By	D. Broomfield, W. Westman		

Run 1			
PVT DATA			
Oil Density			
Water Salinity			
Gas Gravity			
Bo			
Bw			
1/Bg			
Bubble Point Pressure			
Bubble Point Temperature			
Solution GOR			
Maximum Deviation	63 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		Time	
Unit Number		Location	
Recorded By			
Witnessed By			

## DEPTH SUMMARY LISTING

Depth System Equipment	
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## Depth Control Parameters

Depth Control Remarks

1. Log Correlated to Exxon Mobile tubing tally incorporated in approved program.
2. IDW used as Primary depth control.
3. Z-chart used as backup
4. CMTD Calibration:  $a=1.32E-5$ ,  $B=0.8513$ , &  $C=2.86.8$
5. Dual Packoff used on both runs
- 6.

THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE OF AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
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Objectives: Cut production tubing above Packer @ 3670m MDKB to allow access for










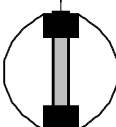


2.8" - 3.0"

Maximum deviation 63 deg C @ 1284.0m MDKB

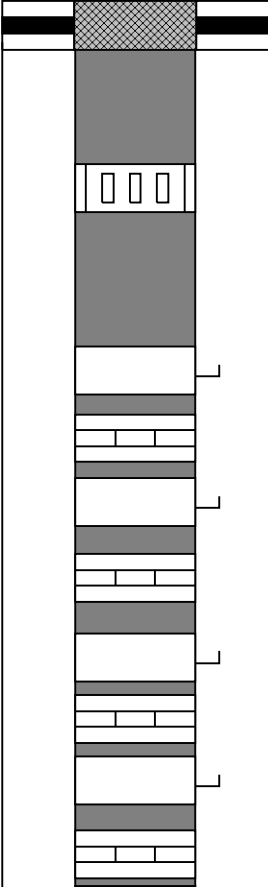
Secure Initiated

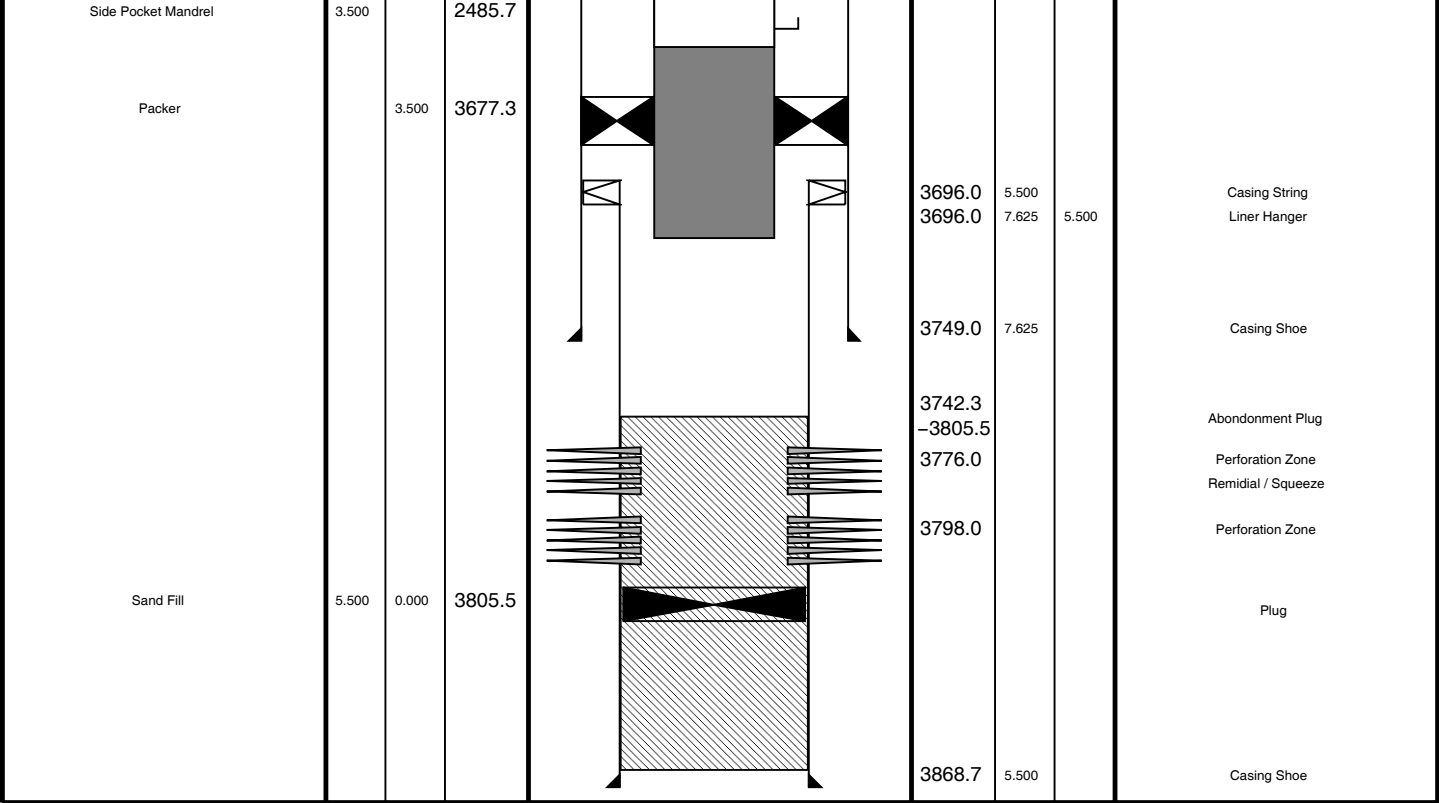
Powercutter:
Top shot @ 3670m MDKB
CCL to Top Shot: 2.6m
CCL stop depth: 3667.4m MDKB
Schlumberger Crew:
Operators:
Days: Patter Batteams, Daniel Halstead, Crew Change: C Sheills, D Hiskins
Nights: Kevin Kerr, Scott Lansbury, Crew Change: Z. Casey, S. Lansbury

RUN 1			RUN 2		
SERVICE ORDER #:		4500532792	SERVICE ORDER #:		
PROGRAM VERSION:		16C0-147	PROGRAM VERSION:		
FLUID LEVEL:		4.4 m	FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION					
RUN 1			RUN 2		
SURFACE EQUIPMENT			SURFACE EQUIPMENT		
SHM-EA			SHM-EA		
DOWNHOLE EQUIPMENT			DOWNHOLE EQUIPMENT		
MH-22 MH-22		7.56	MH-22 MH-22		7.10
AH-38		7.08	AH-38		6.62
EQF-43 EQF-43		7.00	EQF-43 EQF-43		6.54
EQF-43 EQF-43		5.17	EQF-43 EQF-43		4.71
AH-Shooting Adapter		3.34	Tension CCL		
AH-Shock Sub AH-Shock Sub		3.32			
			CCL-L CCL-L		2.88 TOOL ZERO
			AH-122		2.42

AH-Shock Sub AH-Shock Sub	 Gamma Ray	2.67
AH- UPCT-A UPCC-A UPCH-A	 Casing Co Tension	2.03 1.98 0.79
AH-Secure Sub AH-Secure Sub	 TOOL ZERO	0.61
AH-2.5" Powercutter AH-2.5" Powercutter	 SHM_GUN	0.28 0.00
MAXIMUM STRING DIAMETER 7.50 IN MEASUREMENTS RELATIVE TO TOOL ZERO ALL LENGTHS IN METERS		
AH-WPSA-BA AH-WPSA-BA	 Gamma Ray	2.29
AH-Shooting Adapter AH-Shock Sub AH-Shock Sub	 Casing Co Tension	1.72 1.70
AH-Secure Sub AH-Secure Sub	 TOOL ZERO	1.06
AH-2.5" Powercutter AH-2.5" Powercutter	 SHM_GUN	0.41 0.08 0.00
MAXIMUM STRING DIAMETER 7.50 IN MEASUREMENTS RELATIVE TO TOOL ZERO ALL LENGTHS IN METERS		

Production String	(in)		(m)	Well Schematic	(m)		(in)	Casing String
	OD	ID			MD	MD		
Tubing Hanger	7.625	3.500	0.0		12.9	10.750		Casing String
Tubing	3.500		11.8		13.0	7.625		Casing String
SSSV	3.500		470.0		724.9	10.750		Casing Shoe
Side Pocket Mandrel	3.500		1051.1					
Landing Nipple	3.500		1065.3					
Side Pocket Mandrel	3.500		2003.7					
Landing Nipple	3.500		2017.7					
Side Pocket Mandrel	3.500		2164.6					
Landing Nipple	3.500		2178.6					
Side Pocket Mandrel	3.500		2363.4					
Landing Nipple	3.500		2377.4					



**Schlumberger**

## Job Event Summary

MAXIS Field Log

### Schlumberger Job Event Summary

	Time	Elapsed Time	Depth (M)	File
Rig Up Started	18-Mar-2009 12:52			
Log Pass (up)	18-Mar-2009 16:14	000:49	3681.1 - 2464.2	PERFO_008LUP
Log Pass (down)	18-Mar-2009 20:38	000:28	673.8 - 2502.1	PERFO_016LDP
Rig Up Started	18-Mar-2009 20:48			
Log Pass (down)	18-Mar-2009 21:19	000:25	2487.9 - 3670.2	PERFO_022LDP
Log Pass (up)	18-Mar-2009 21:50	000:05	3669.0 - 3641.6	PERFO_025LUP
Log Pass (up)	18-Mar-2009 22:07	000:10	3670.7 - 3619.3	PERFO_027LUP

Schlumberger

## Powercutter Operation Summary

MAXIS Field Log

### PERFO2 Operational Summary Listing

Device	Status	Req Depth ( M)	Obs Depth ( M)	Time Used
GUN1	Used	3670.0	3670.0	Wed Mar 18 22:10:40 2009

Schlumberger

## 2.5" Powercutter Cutting Pass

MAXIS Field Log

Company: Esso Australia Pty Ltd.

Well: WKF W-26

### Output DLIS Files

DEFAULT	PERFO_027LUP	FN:26	PRODUCER	18-Mar-2009 22:07	3670.7 M	3619.3 M
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### OP System Version: 16C0-147

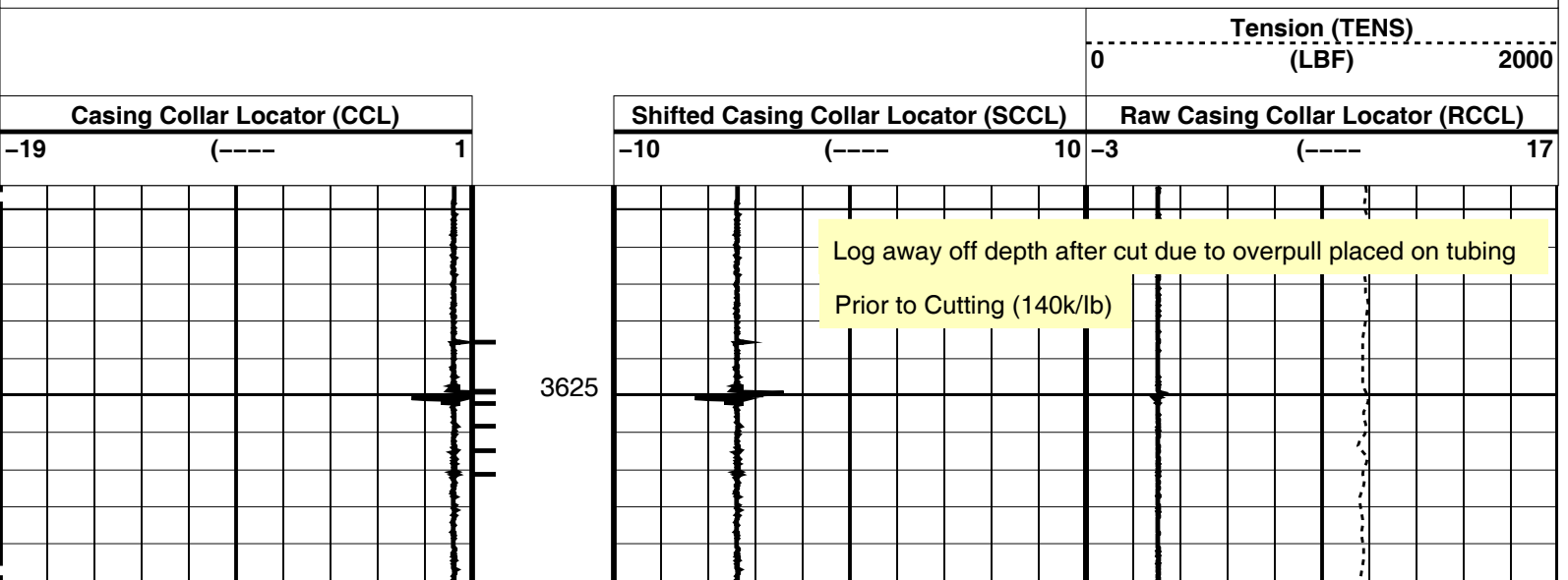
MCM

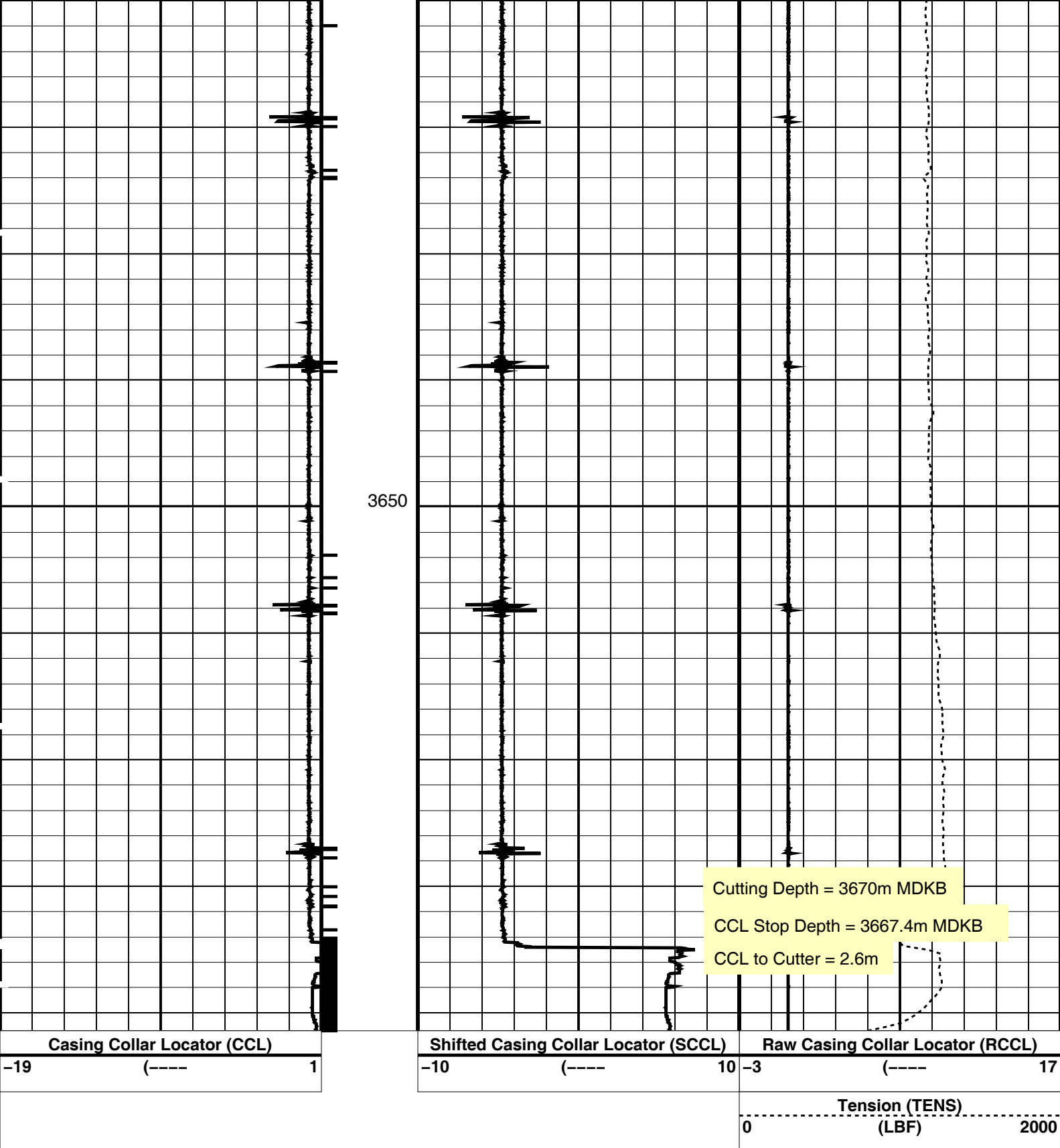
SHM_GUN	16C0-147	CCL-L	16C0-147
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### PIP SUMMARY

└─ Casing Collars

Time Mark Every 60 S





#### PIP SUMMARY

Time Mark Every 60 S

Casing Collars

#### Parameters

DLIS Name	Description	Value
CCL-L: Casing Collar Locator		
CCLD	CCL reset delay	12 IN
CCLT	CCL Detection Level	0.3 V

OP System Version: 16C0-147  
MCM

SHM\_GUN      16C0-147      CCL-L      16C0-147

Output DLIS Files

DEFAULT      PERFO\_027LUP      FN:26      PRODUCER      18-Mar-2009 22:07



2.5" Powercutter  
Correlation Pass

MAXIS Field Log

Company: Esso Australia Pty Ltd.      Well: WKF W-26

Output DLIS Files

DEFAULT      PERFO\_025LUP      FN:24      PRODUCER      18-Mar-2009 21:50

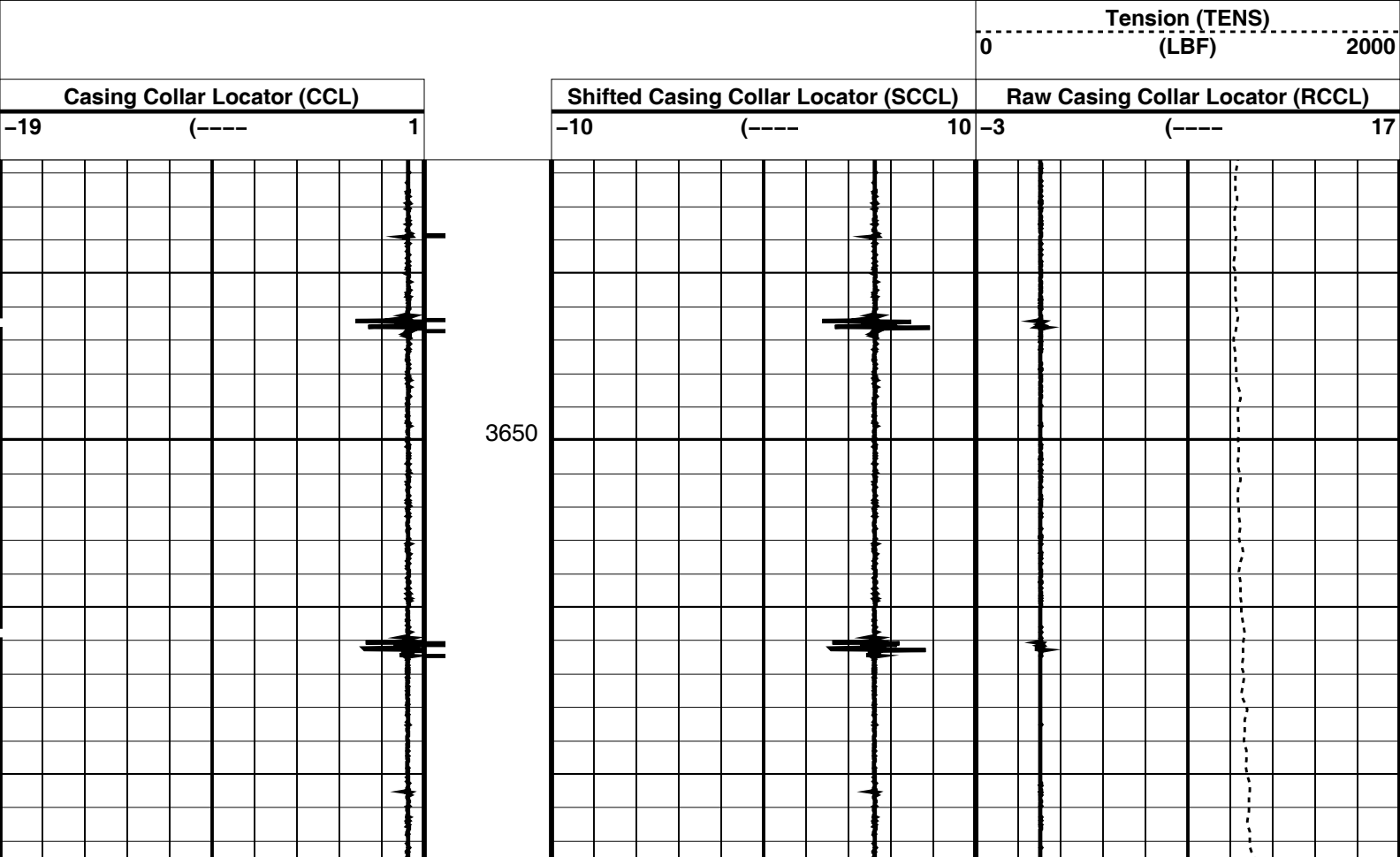
OP System Version: 16C0-147  
MCM

SHM\_GUN      16C0-147      CCL-L      16C0-147

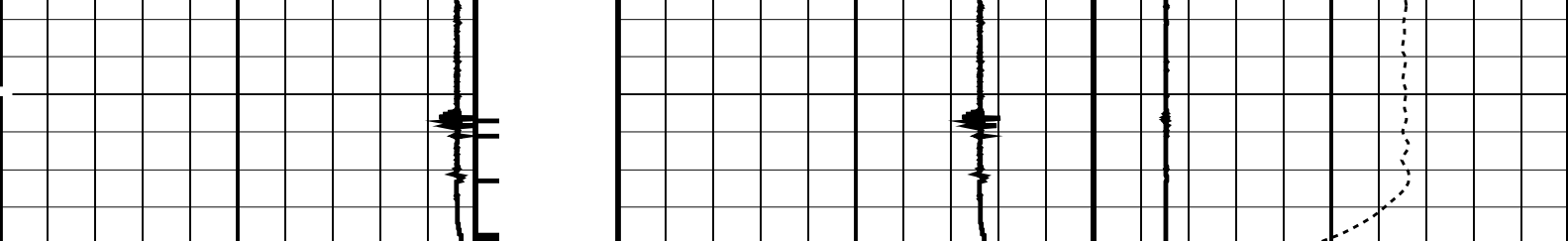
PIP SUMMARY

└─ Casing Collars

Time Mark Every 60 S







Casing Collar Locator (CCL)	Shifted Casing Collar Locator (SCCL)	Raw Casing Collar Locator (RCCL)
-19 (----) 1	-10 (----) 10	-3 (----) 17
		Tension (TENS) (LBF) 0 2000

PIP SUMMARY

Time Mark Every 60 S


Casing Collars

Parameters		
DLIS Name	Description	Value
CCLD	CCL-L: Casing Collar Locator	12 IN
CCLT	CCL reset delay	0.3 V
	CCL Detection Level	

Format: PERFO Vertical Scale: 1:200 Graphics File Created: 18-Mar-2009 21:50

OP System Version: 16C0-147			
MCM			
SHM_GUN	16C0-147	CCL-L	16C0-147

Output DLIS Files			
DEFAULT	PERFO_025LUP	FN:24	PRODUCER 18-Mar-2009 21:50



2.5" Dummy Powercutter Pass

MAXIS Field Log

Company: Esso Australia Pty Ltd. Well: WKF W-26

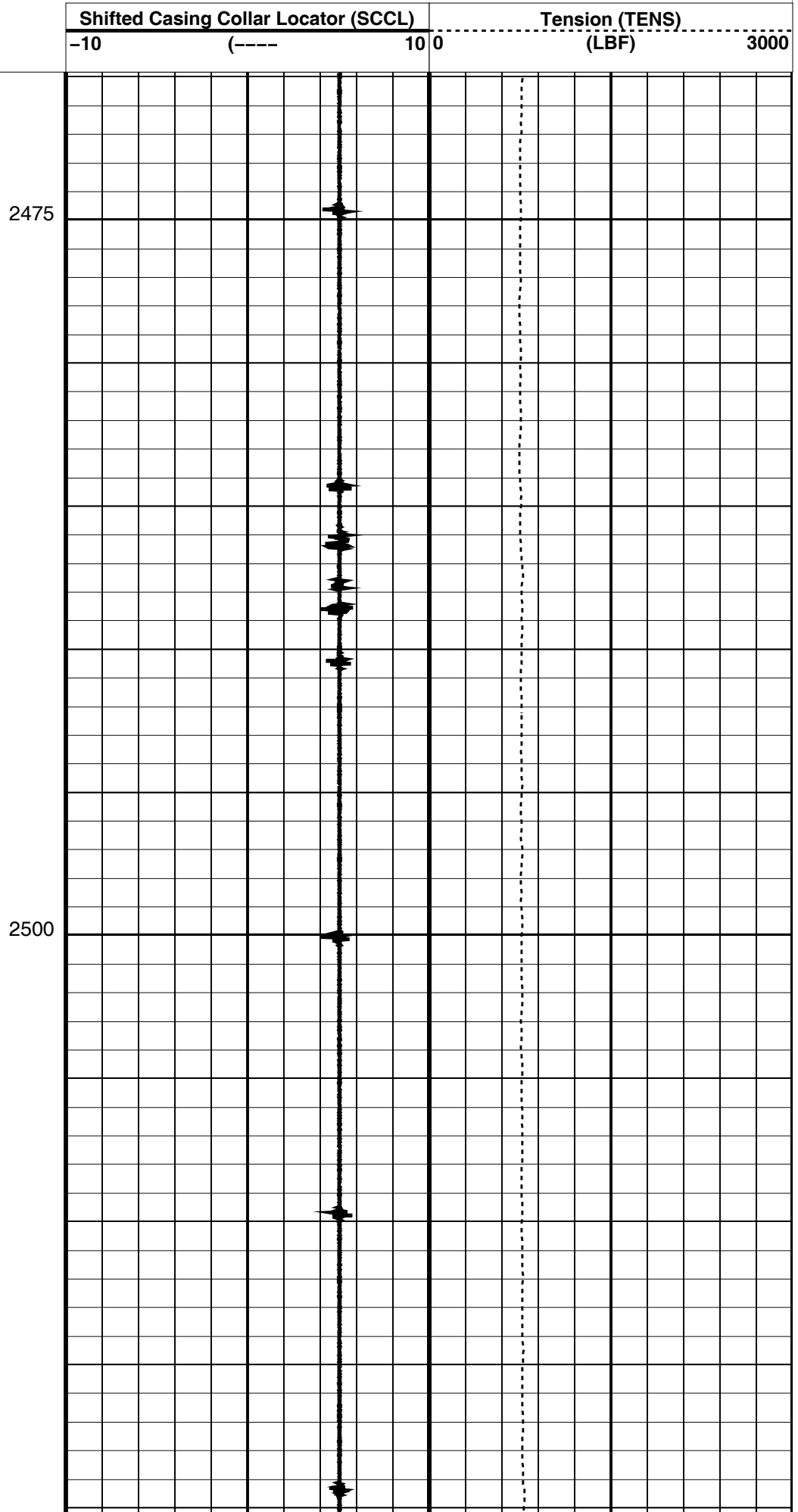
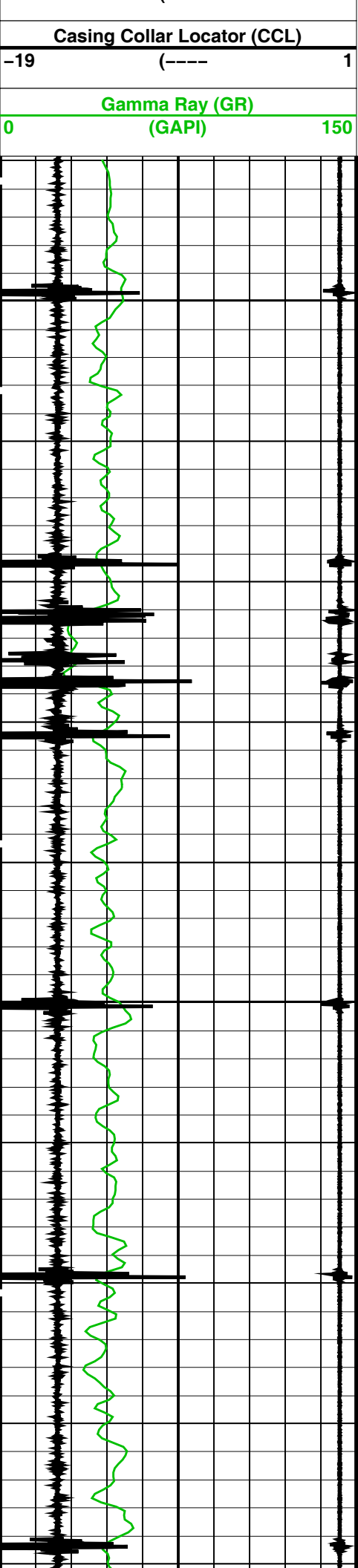
Input DLIS Files					
DEFAULT	PERFO_008LUP	FN:7	PRODUCER	18-Mar-2009 16:14	3681.1 M 2464.2 M
Output DLIS Files					
DEFAULT	PERFO_011PUP	FN:10	PRODUCER	18-Mar-2009 17:10	3686.7 M 2469.8 M

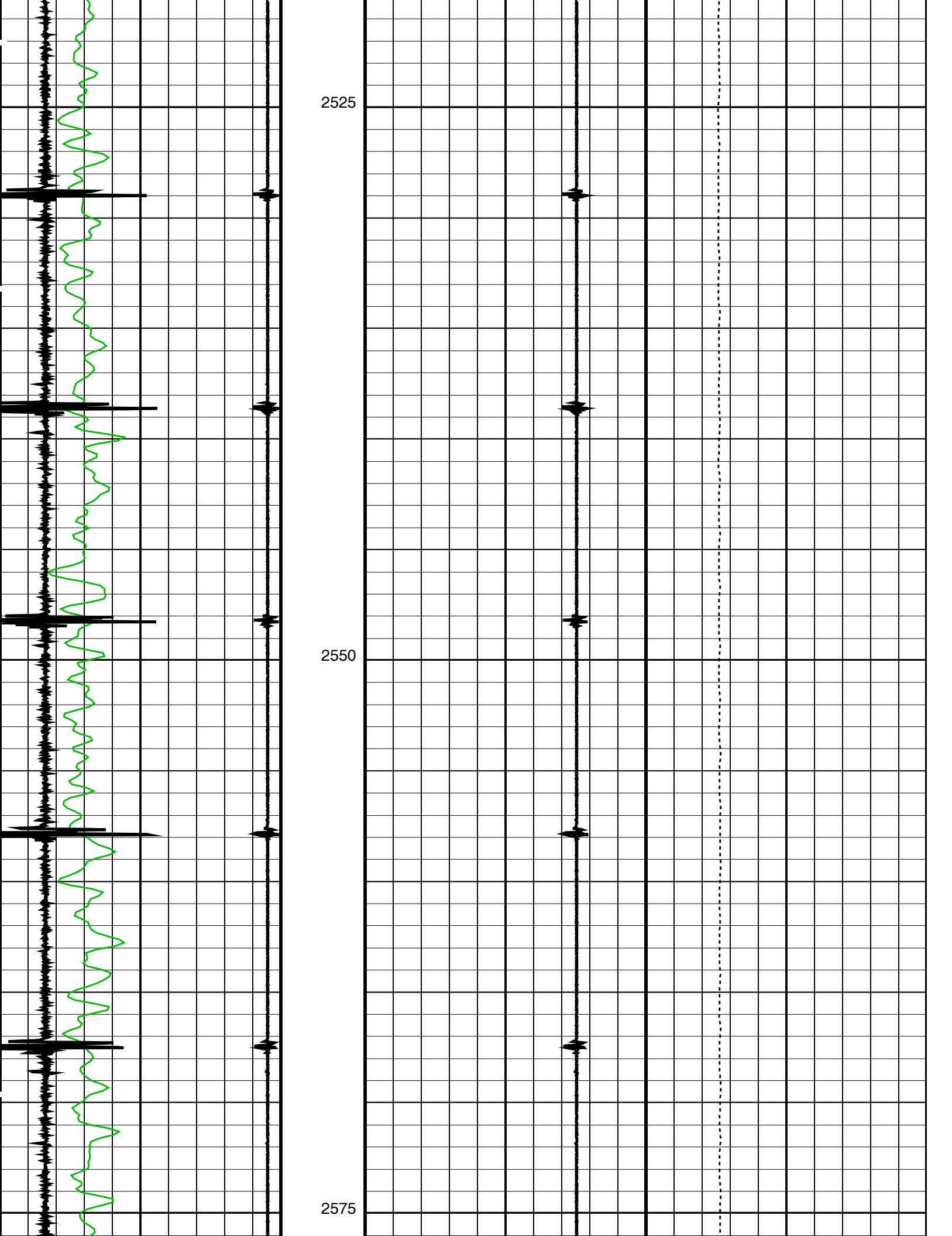
OP System Version: 16C0-147			
MCM			
SHM_GUN	16C0-147	UPCT-A	16C0-147

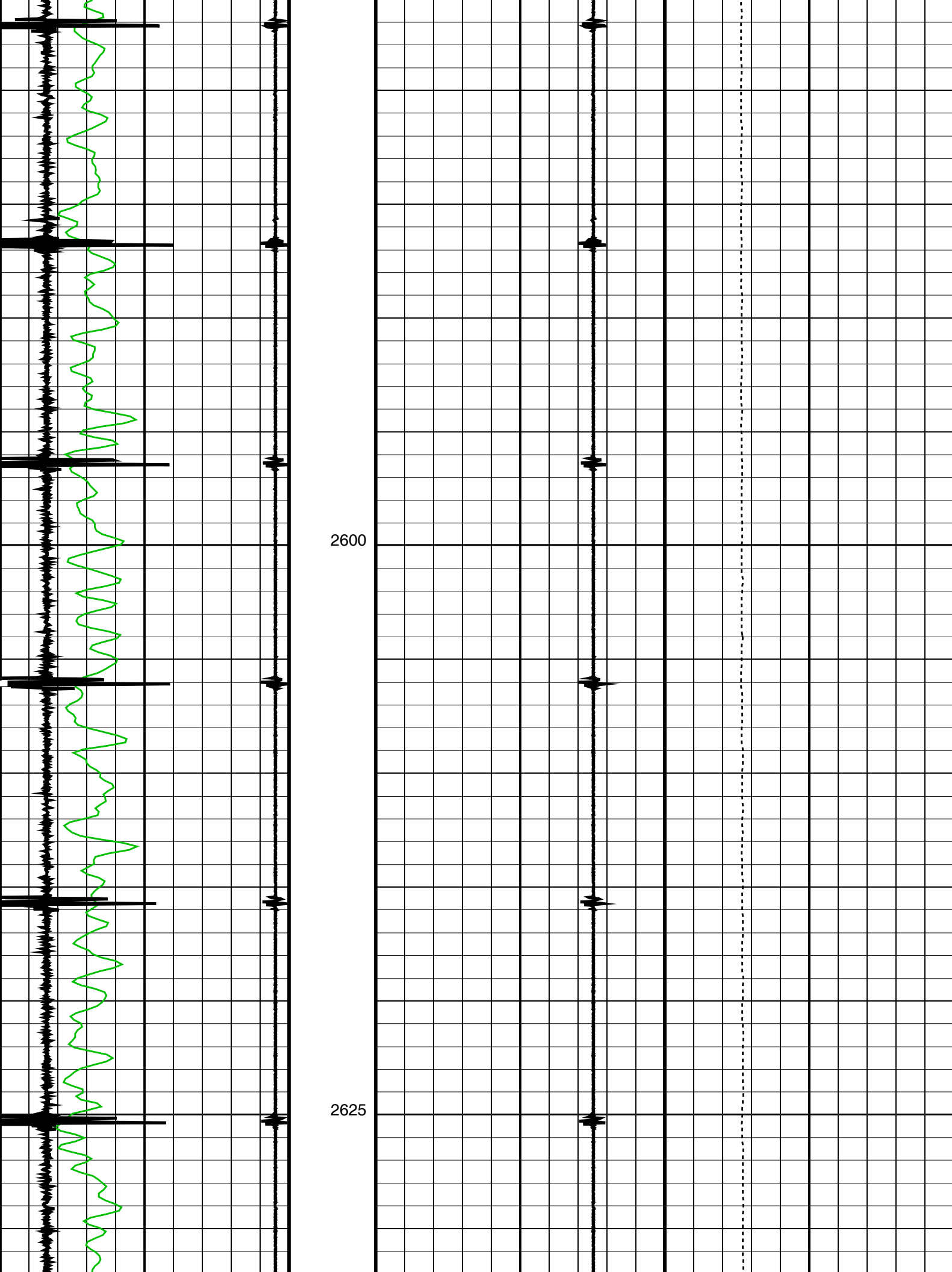
PIP SUMMARY

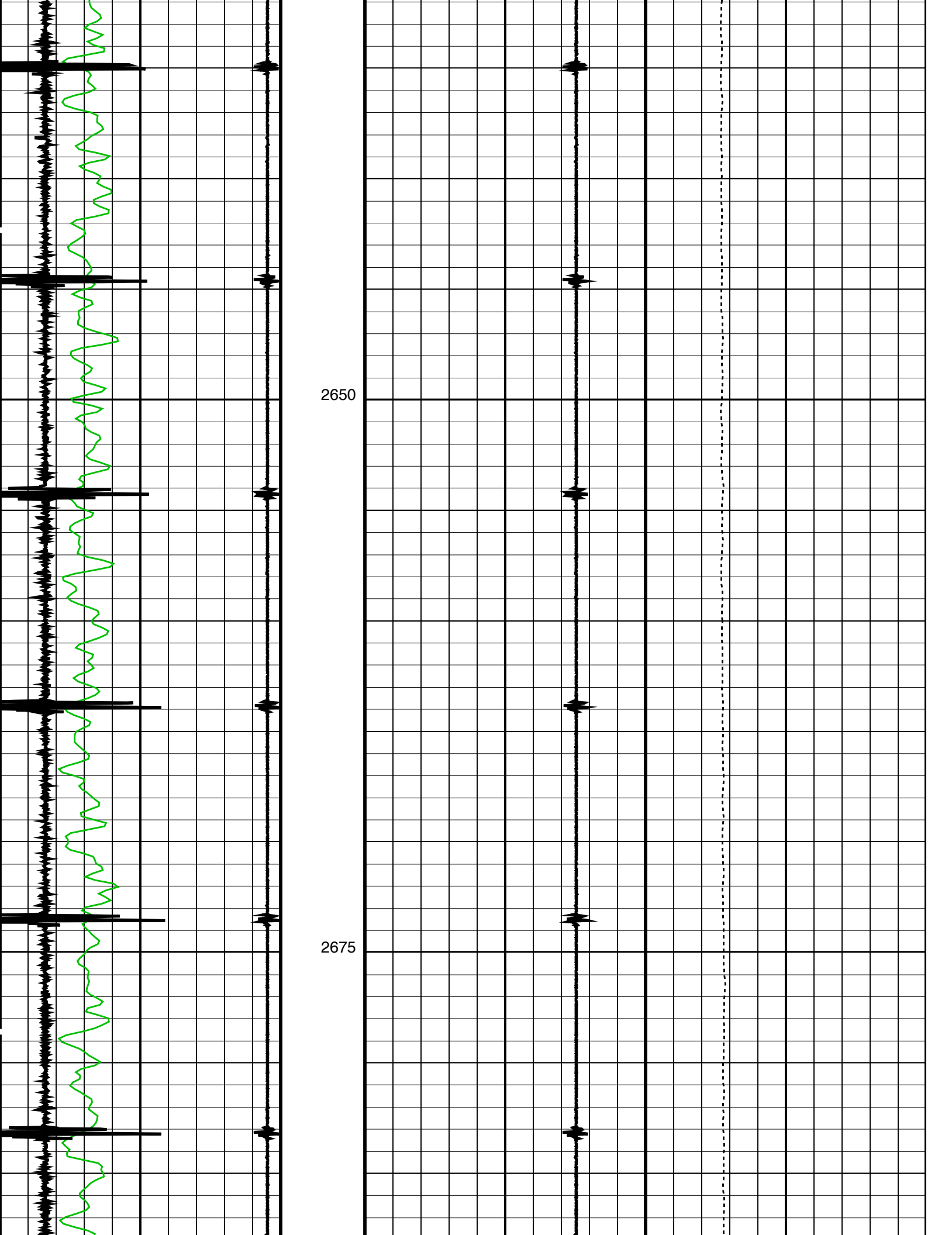
Time Mark Every 60 S

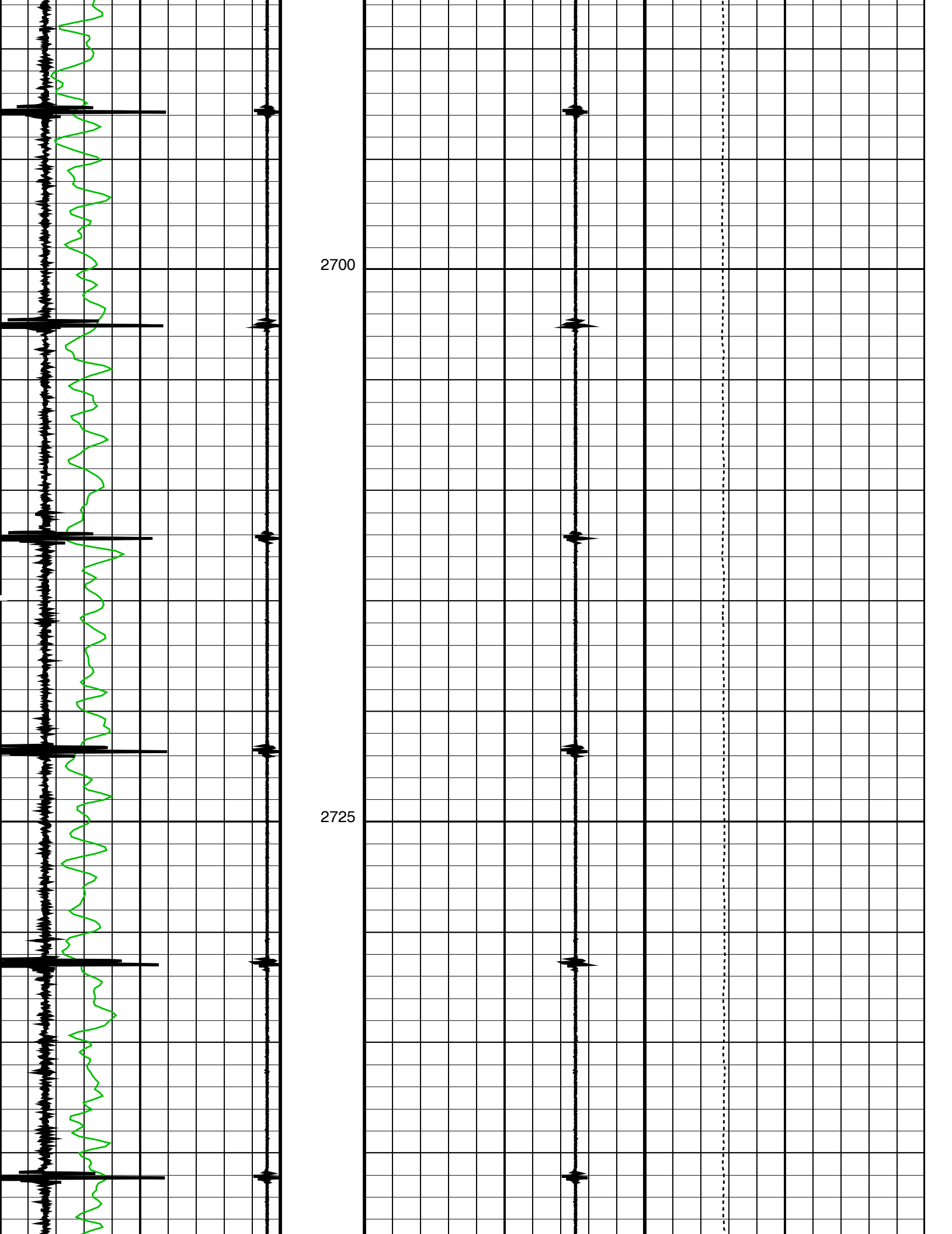
Raw Casing Collar Locator (RCCL)
-3 (----) 17

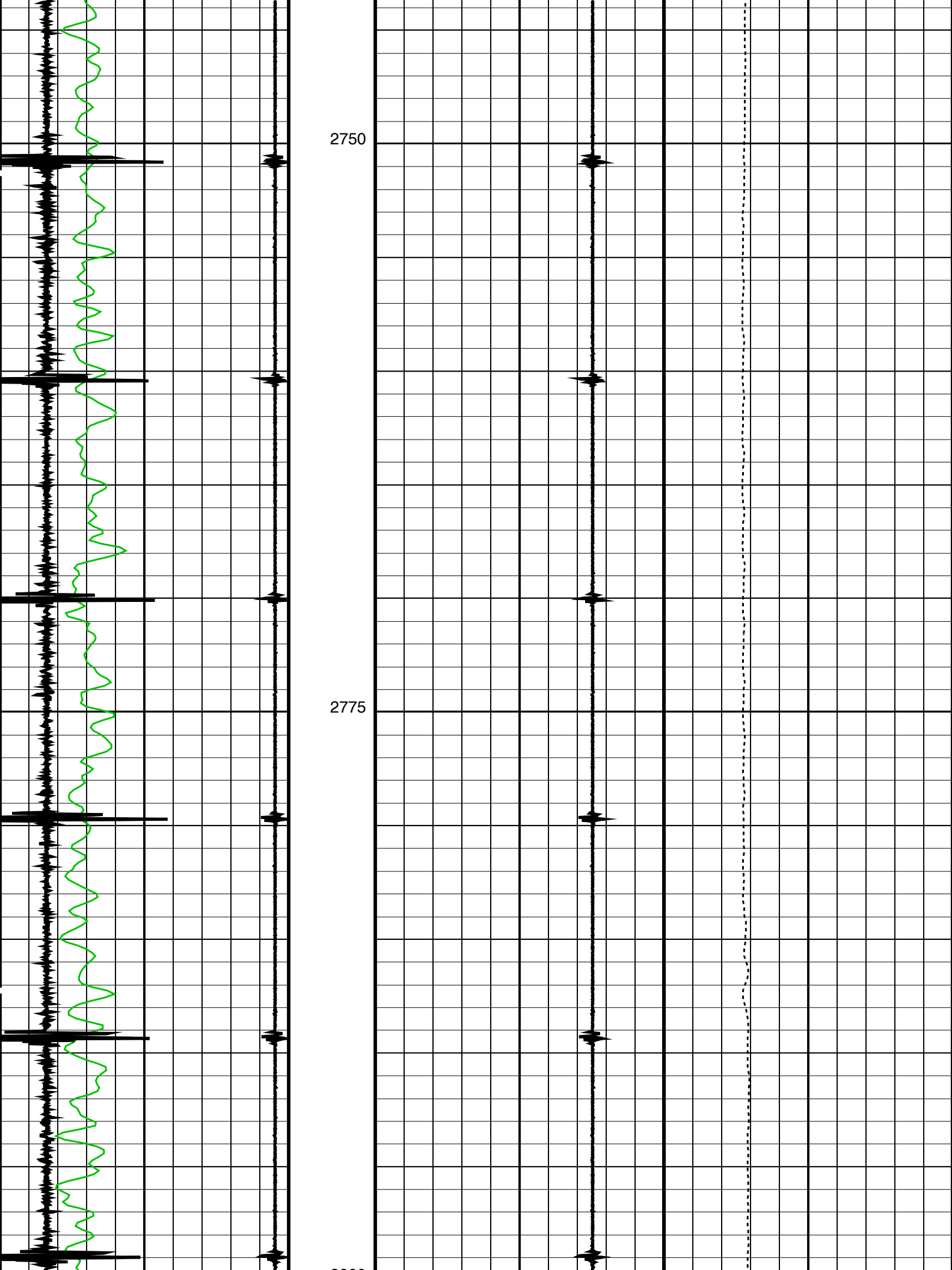


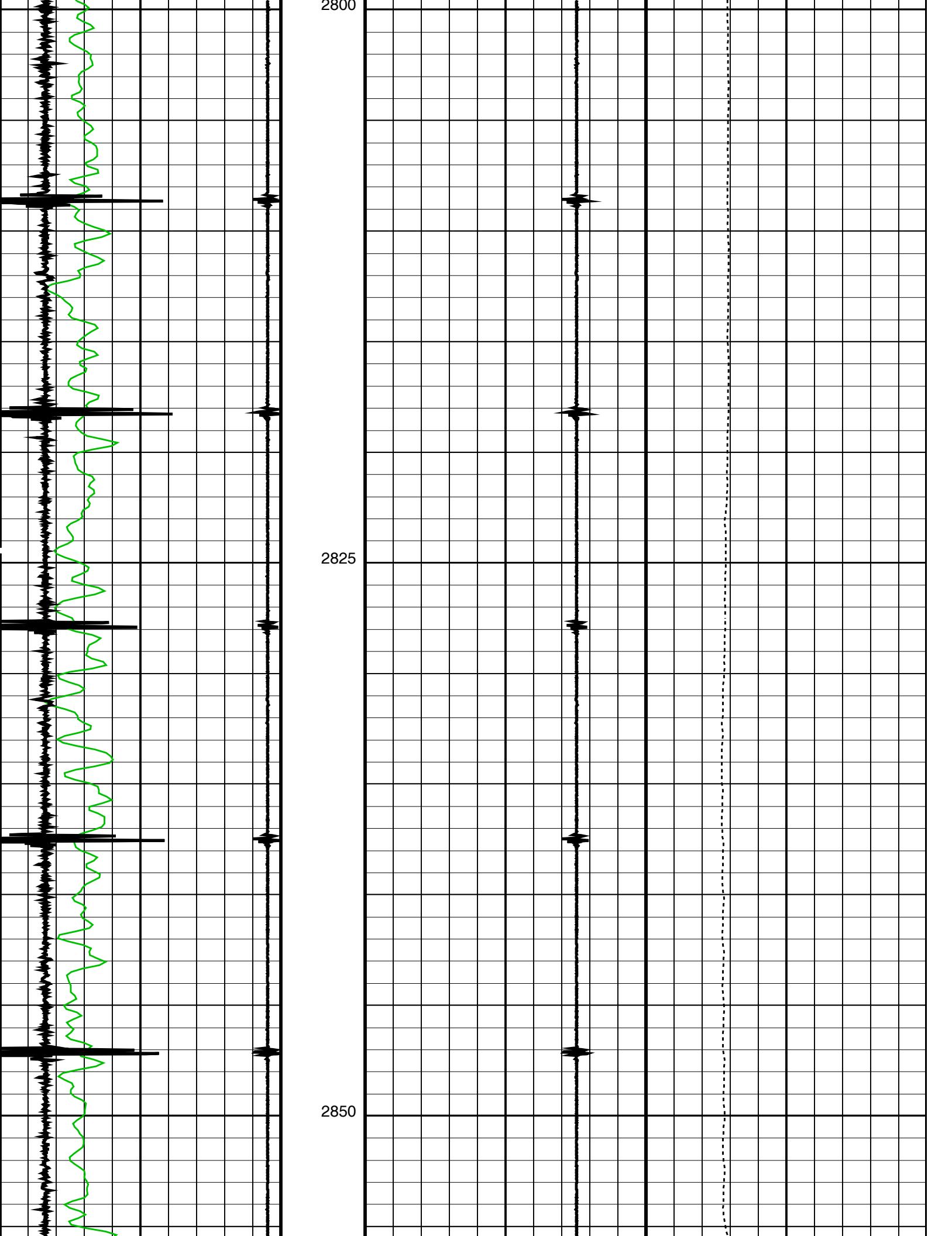




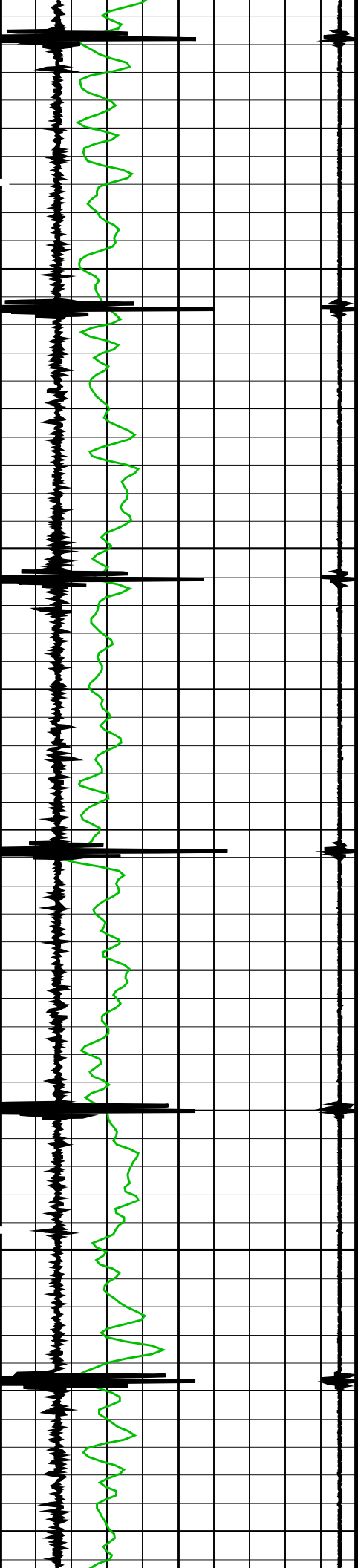






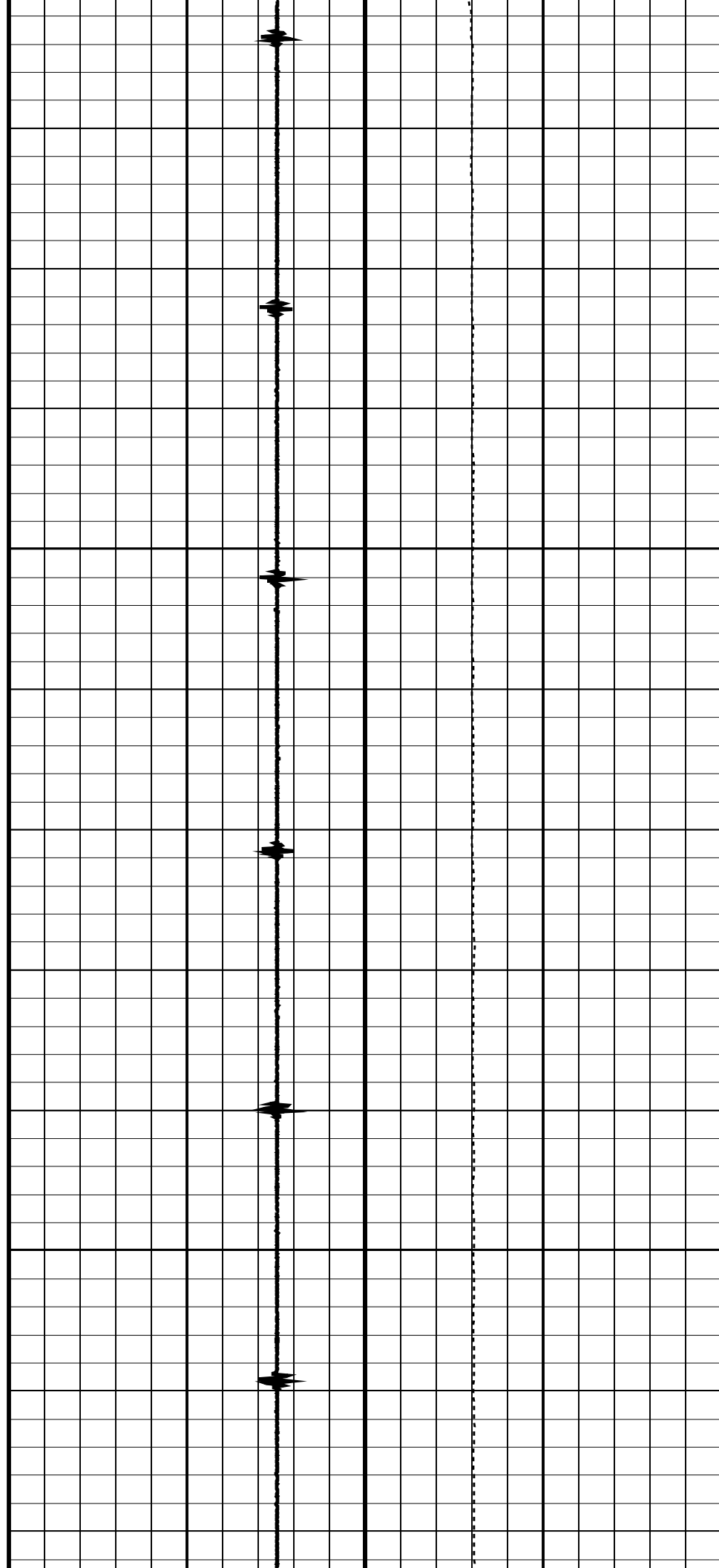


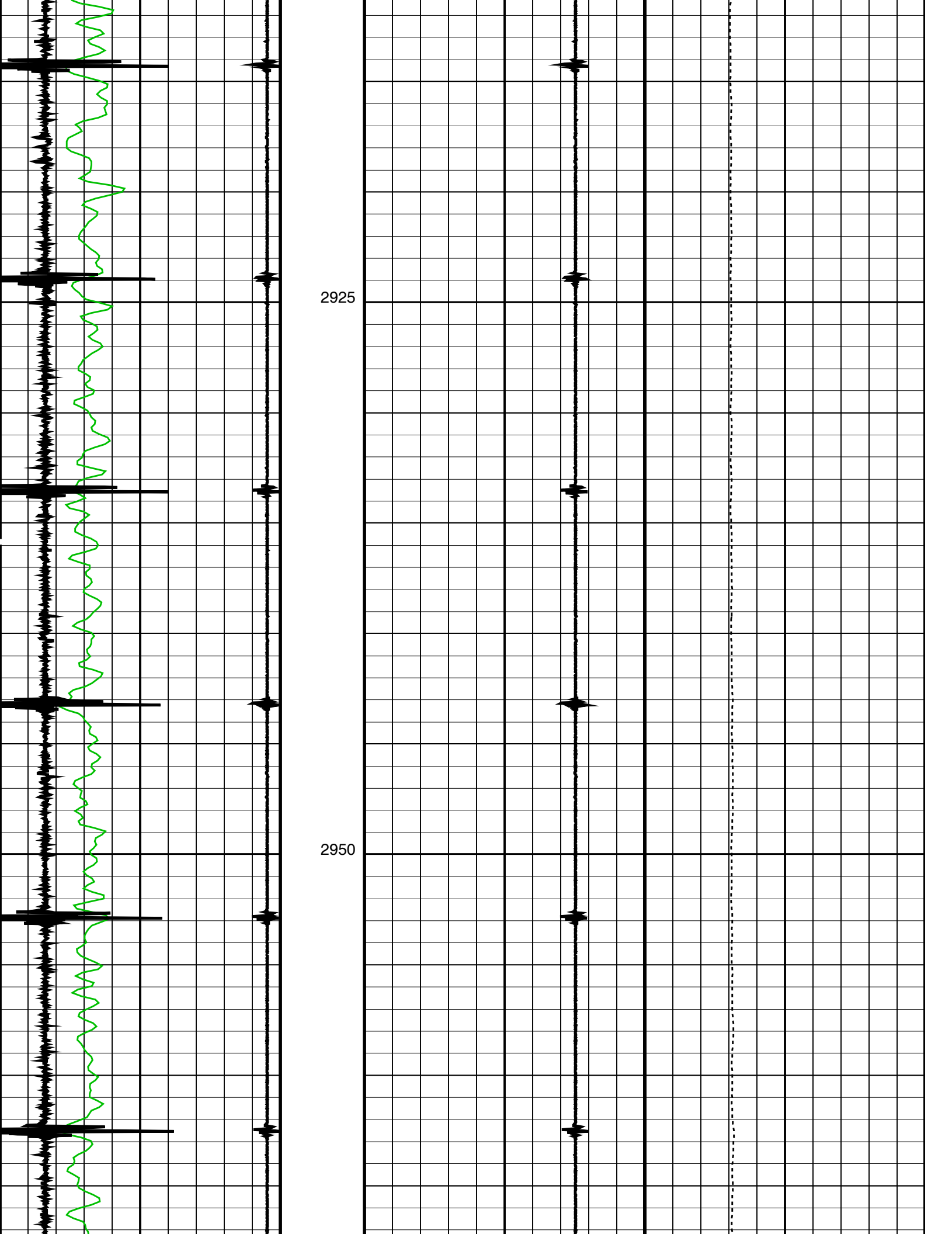


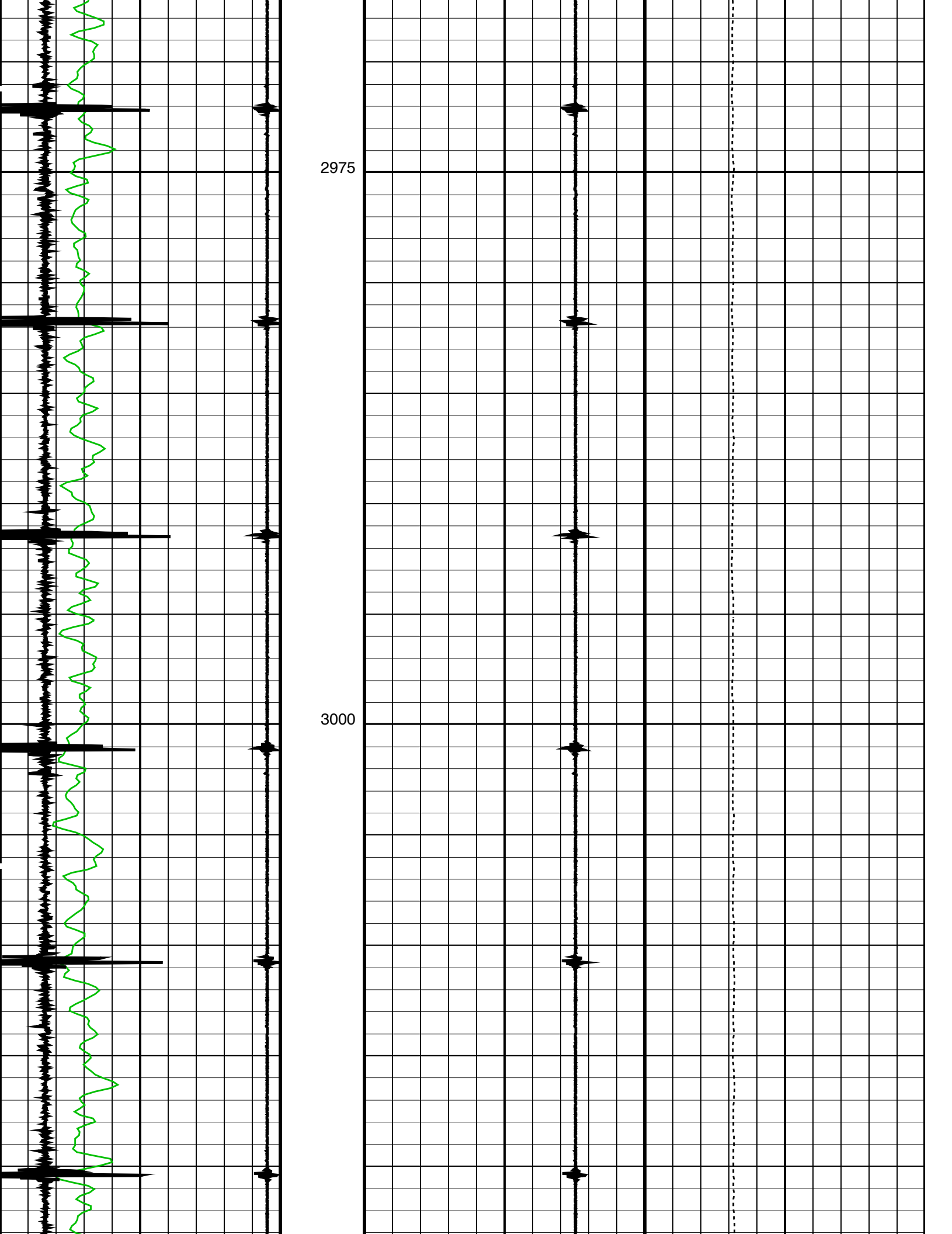


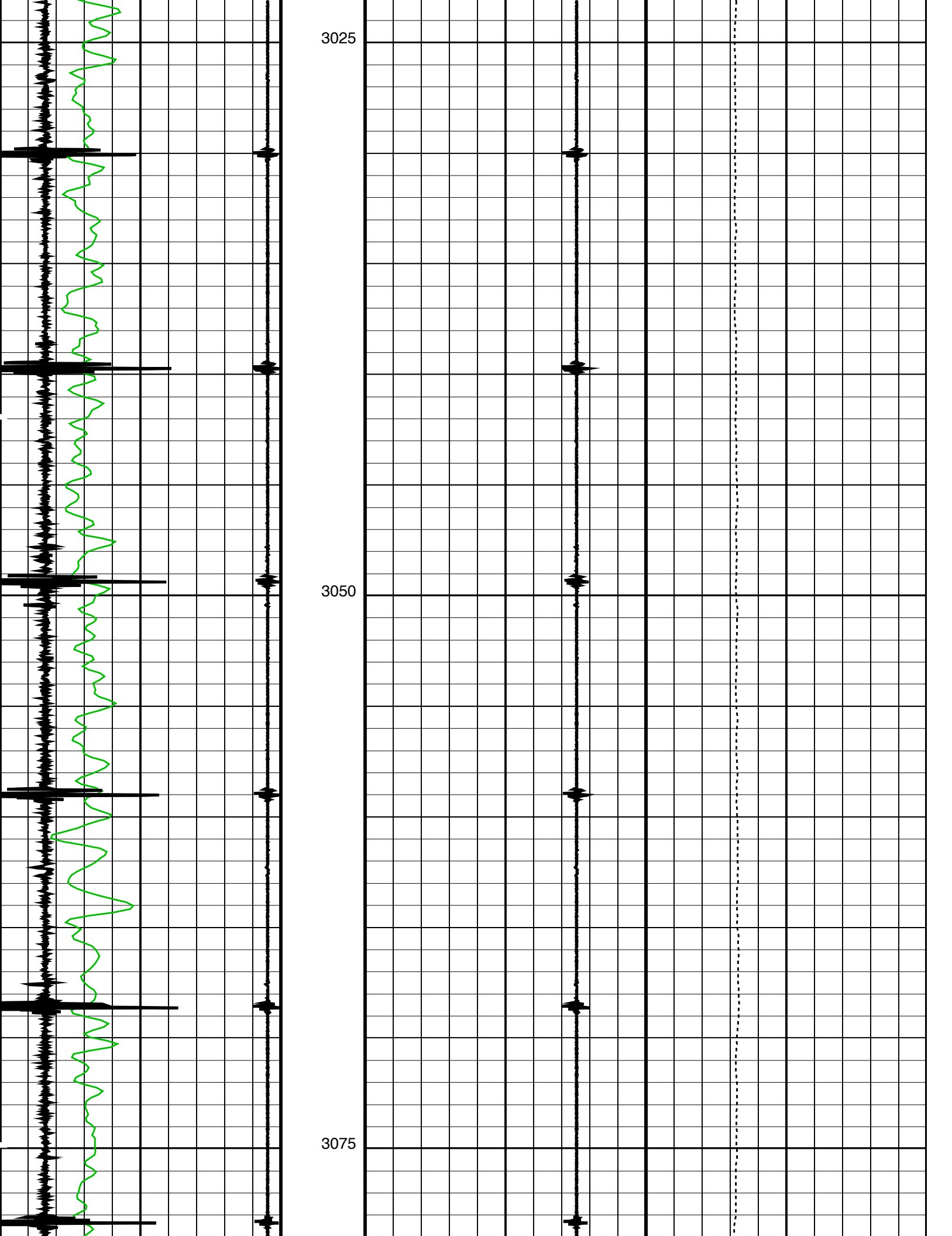
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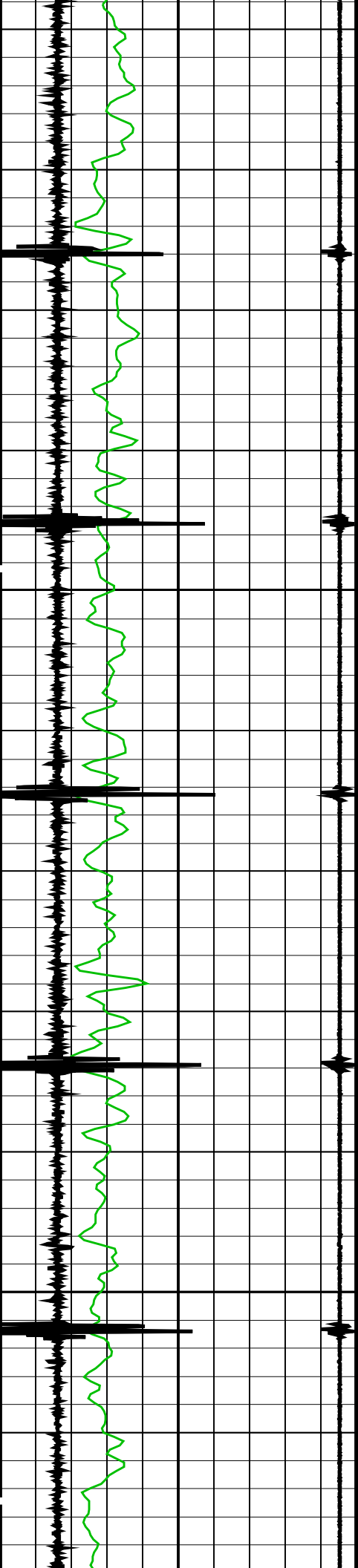
2900





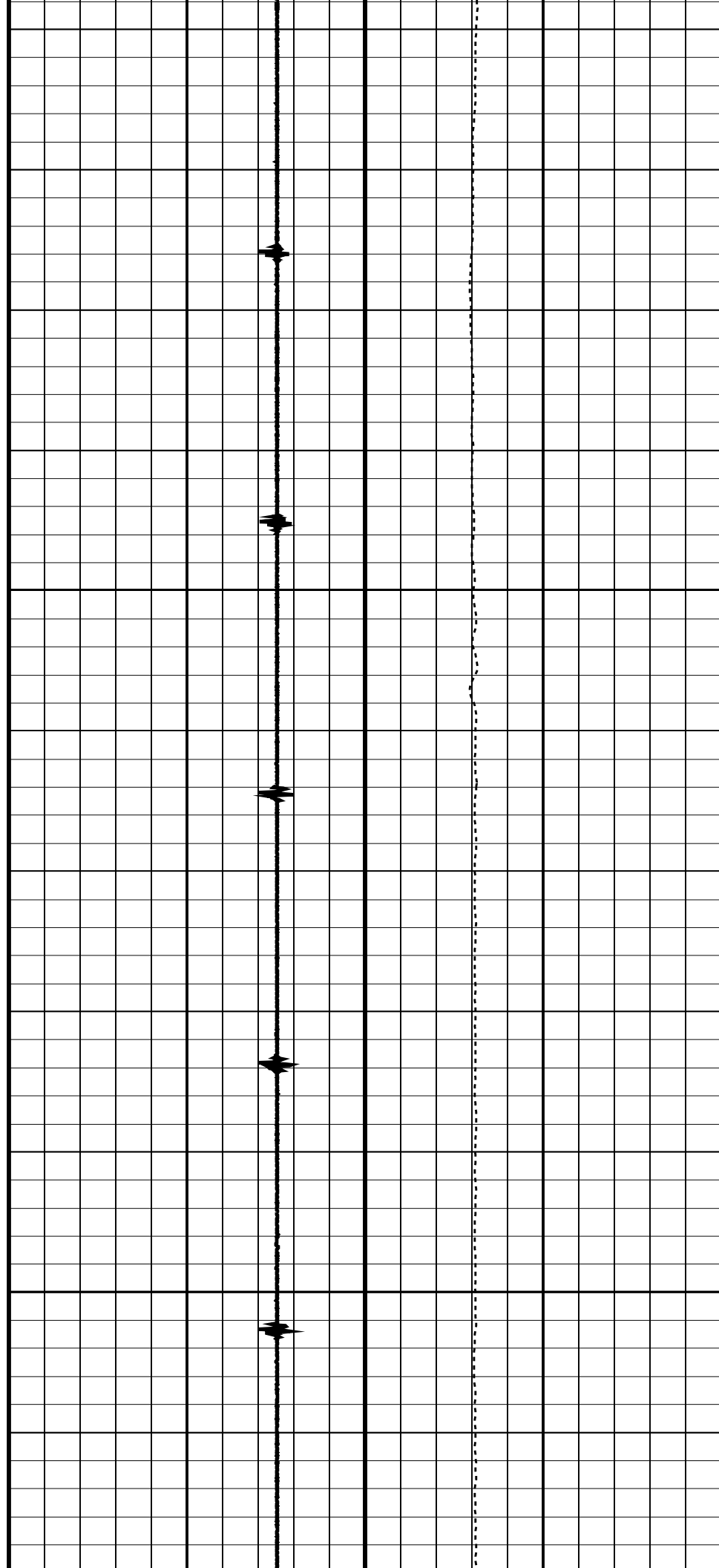


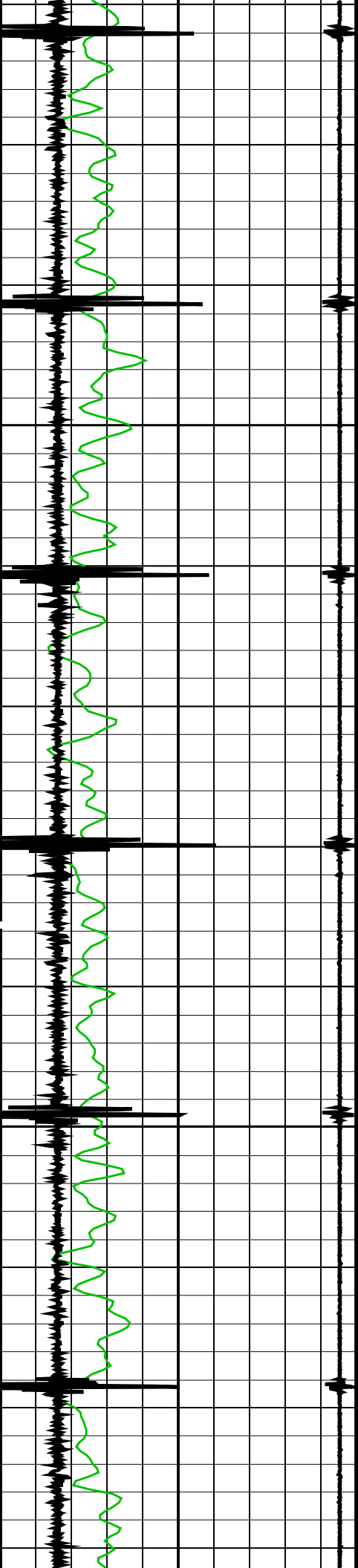




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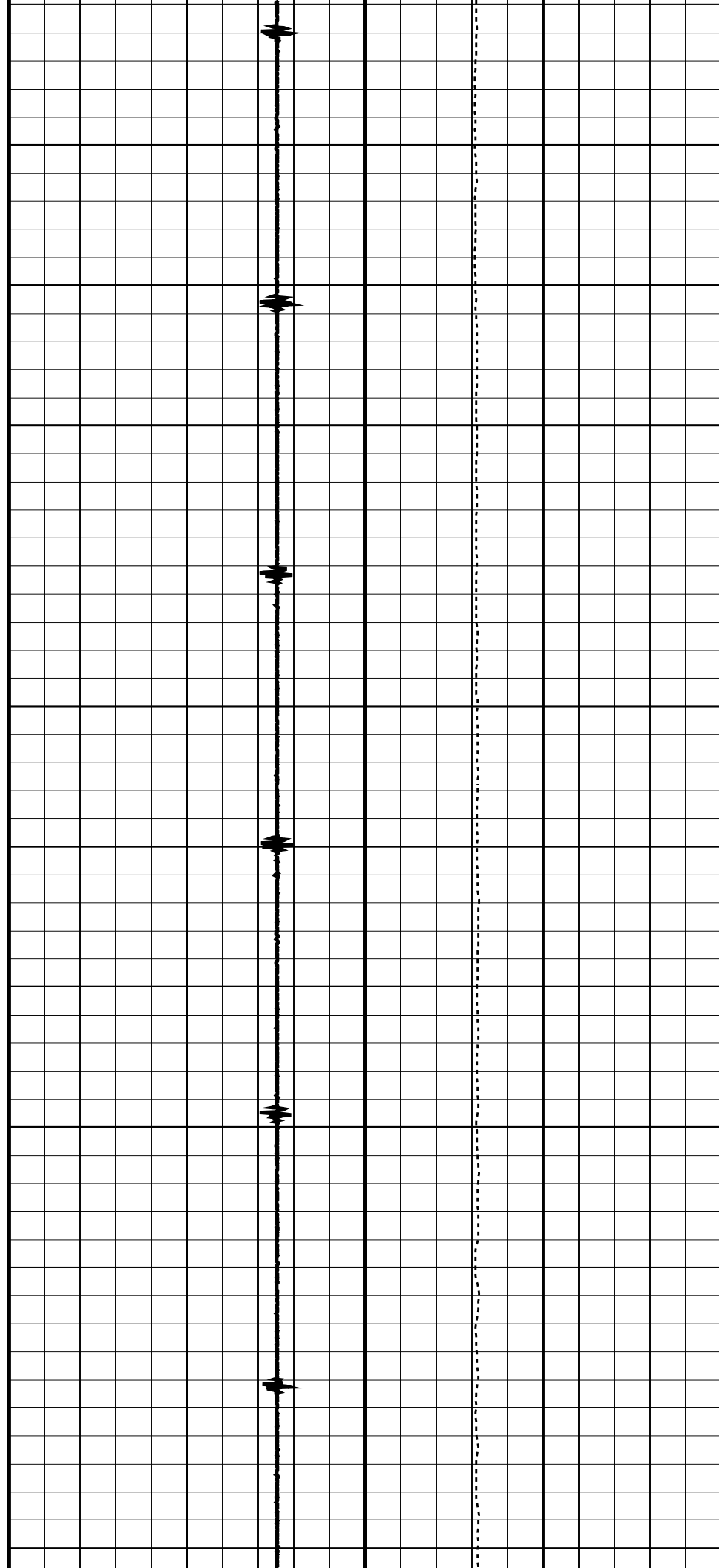
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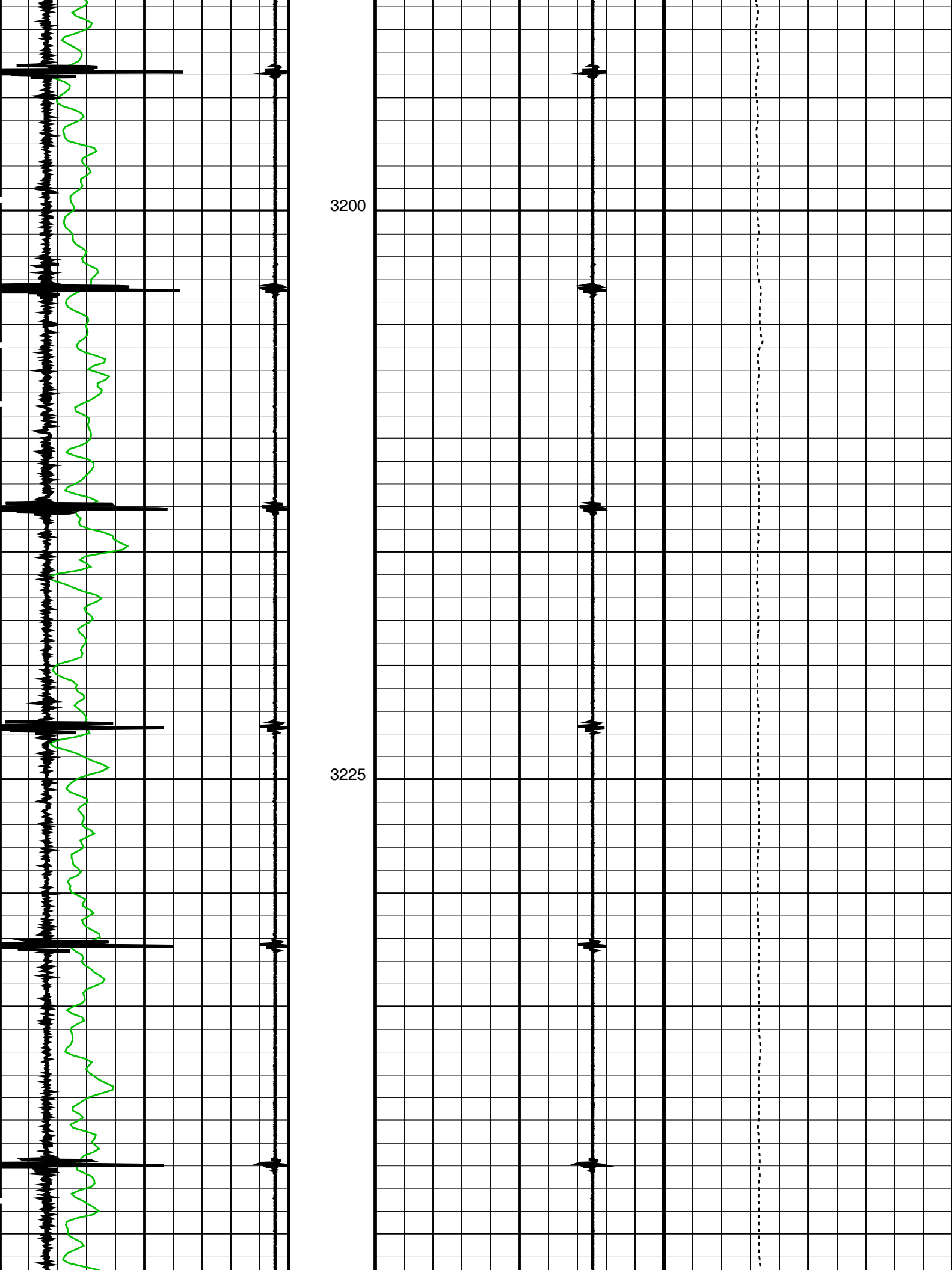


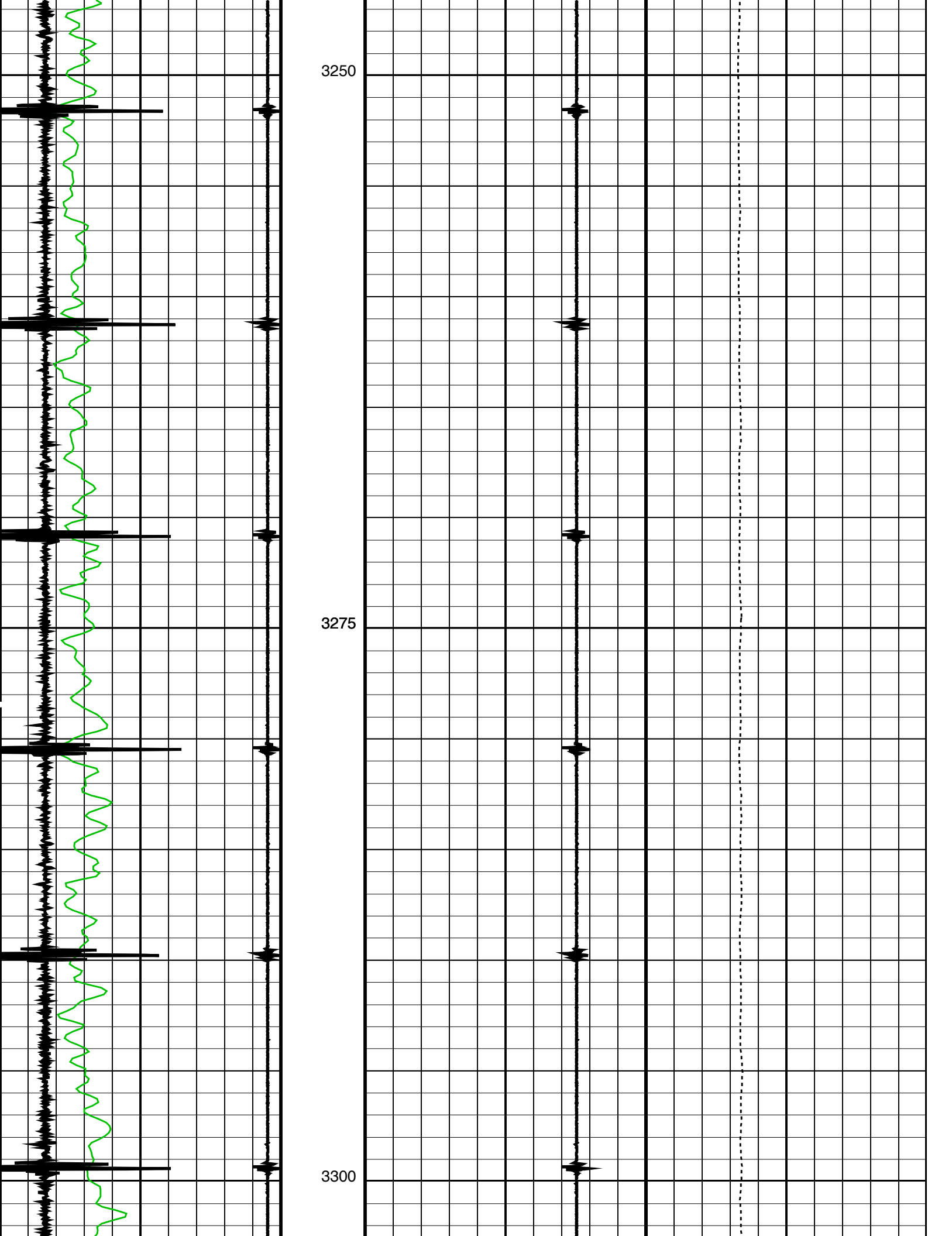


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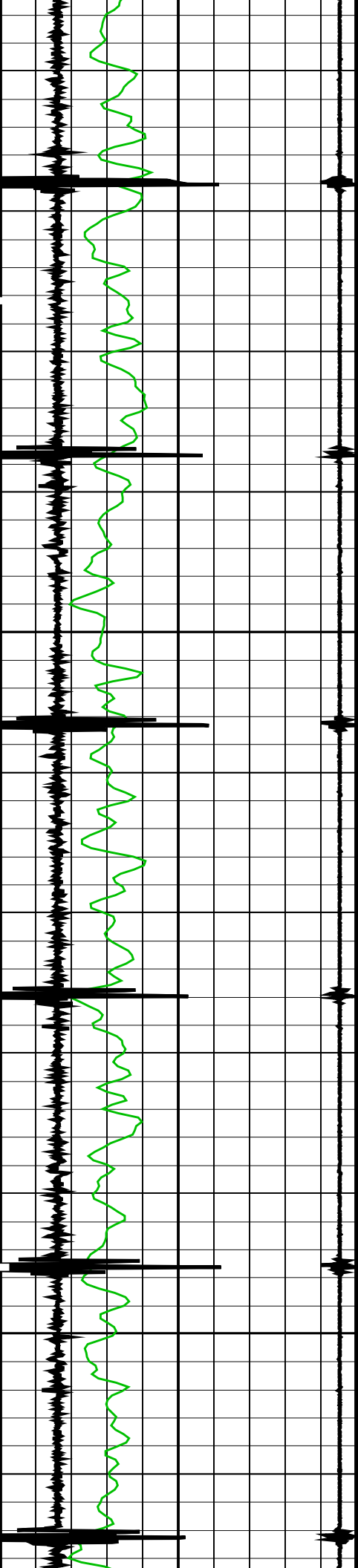
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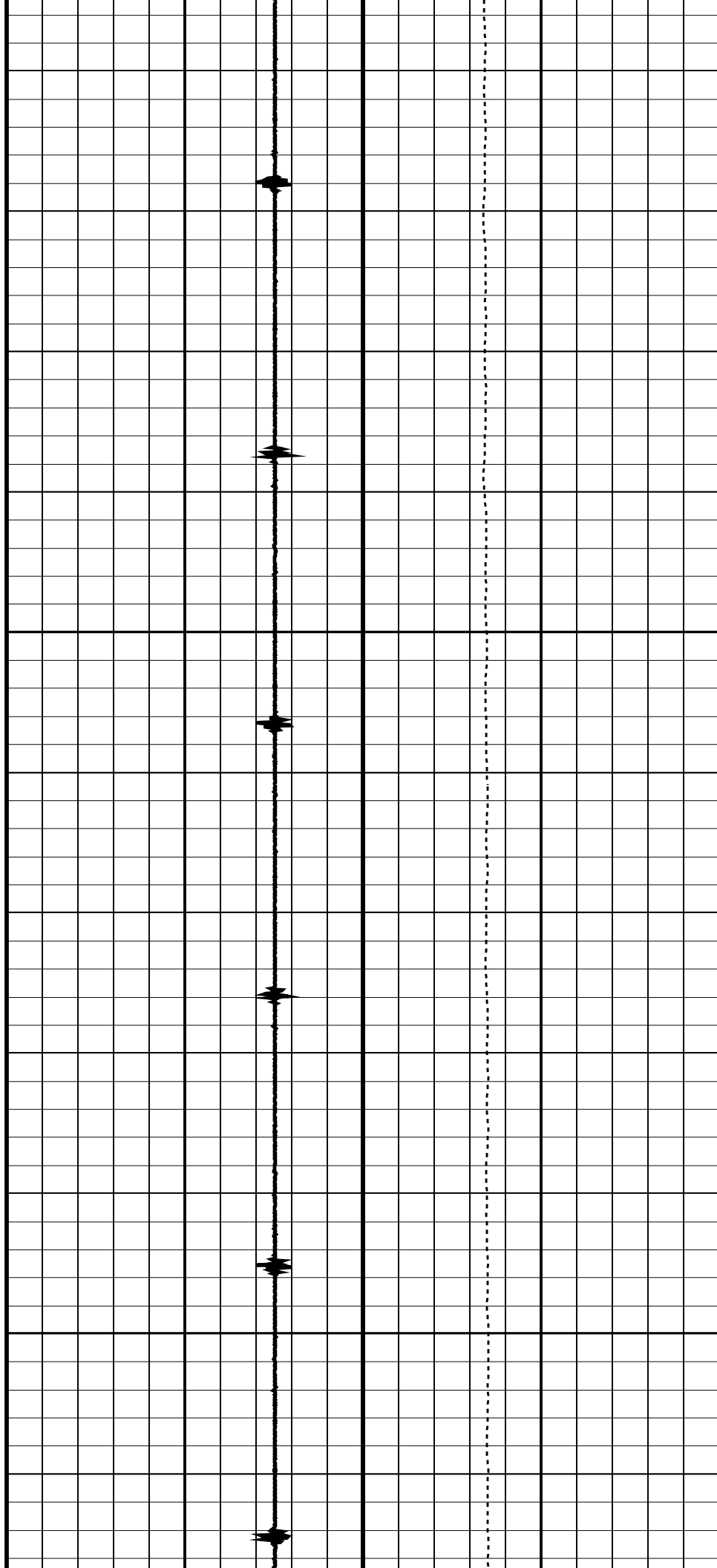


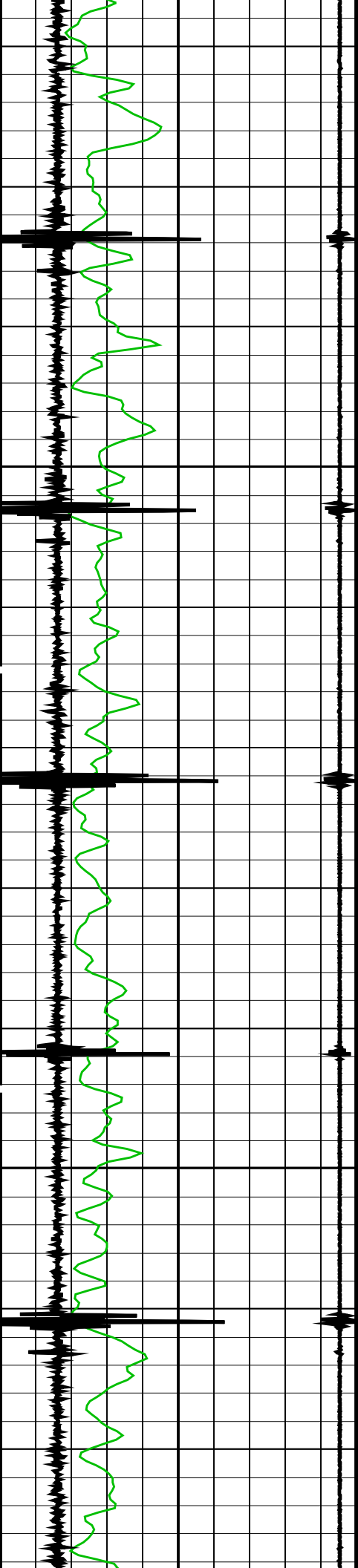




3325

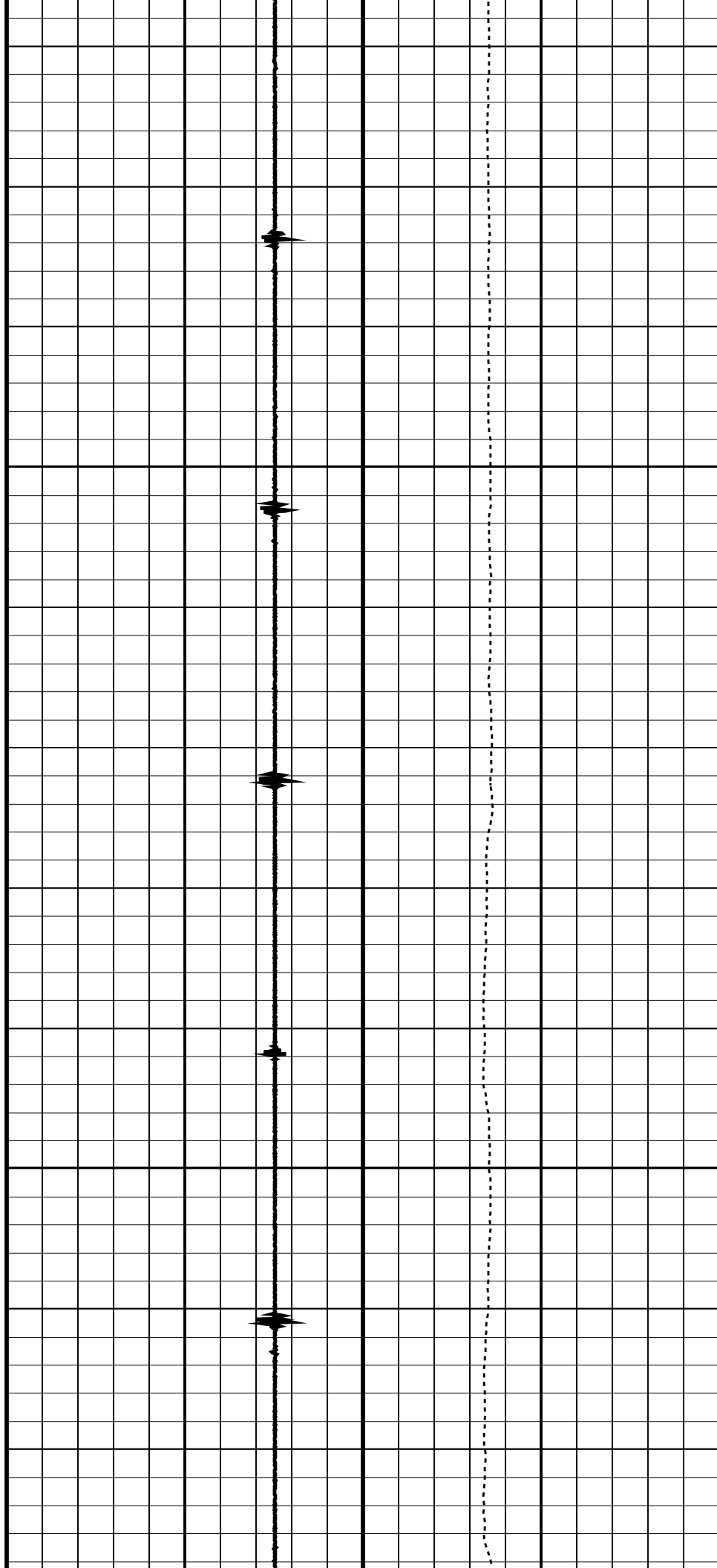
3350

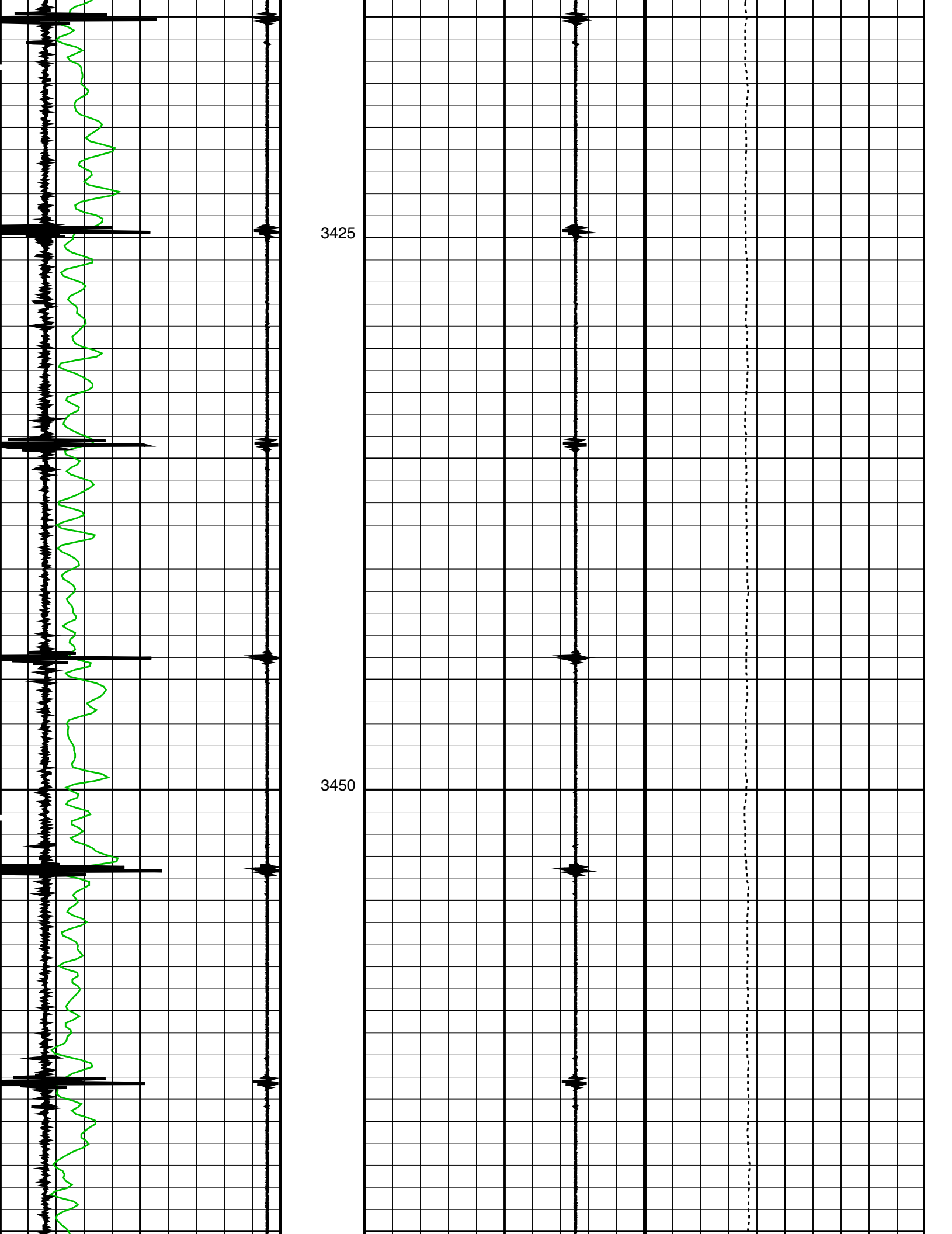


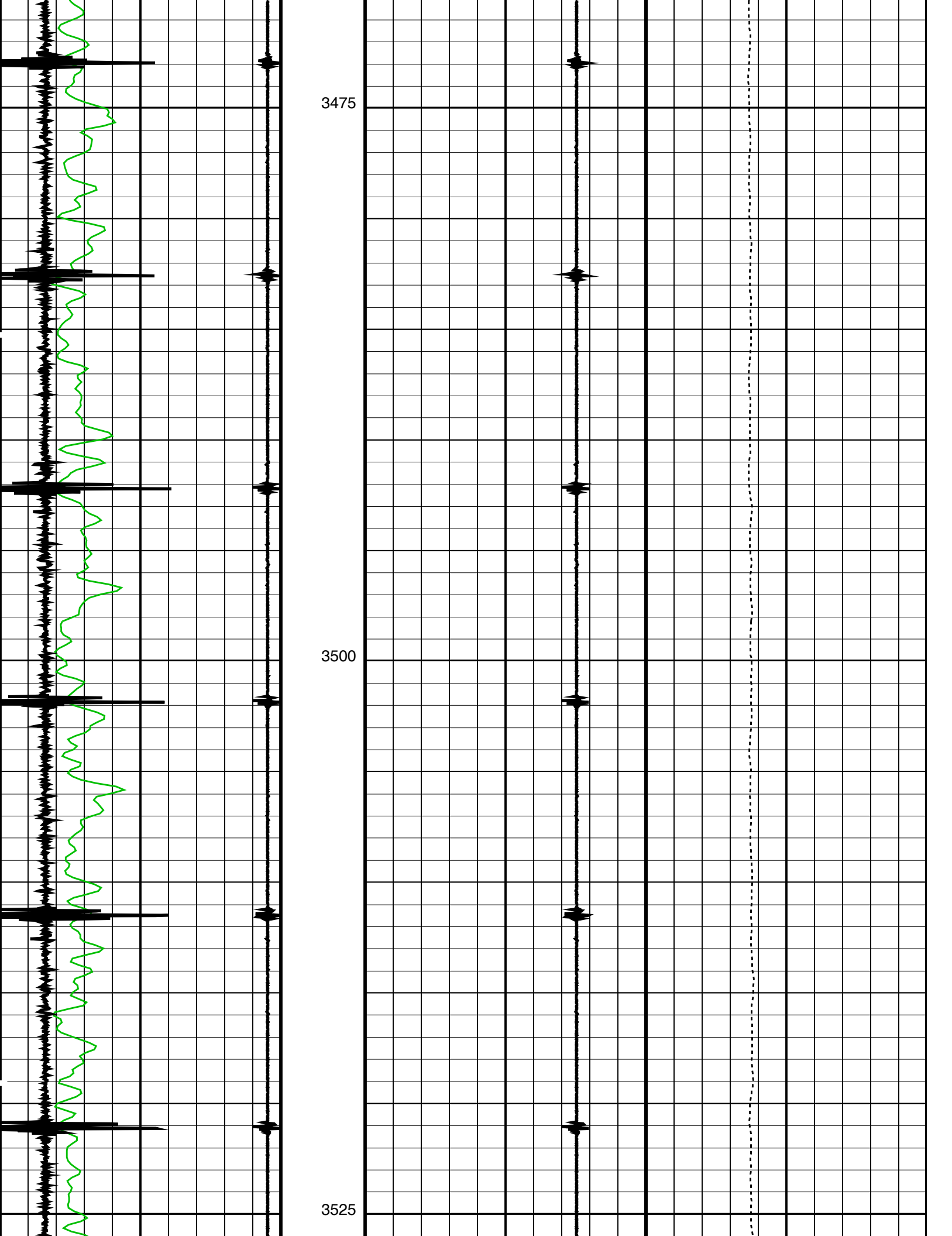


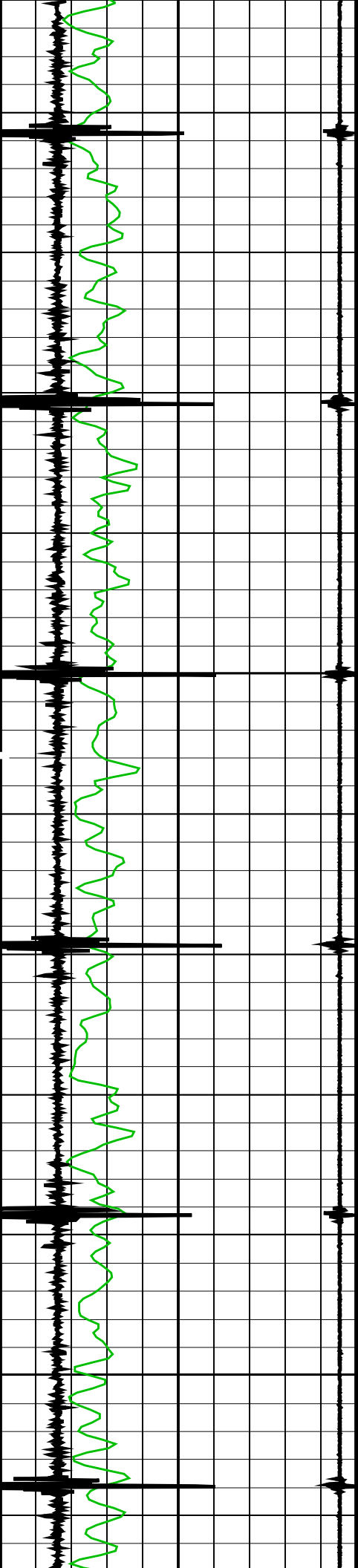
3375

3400



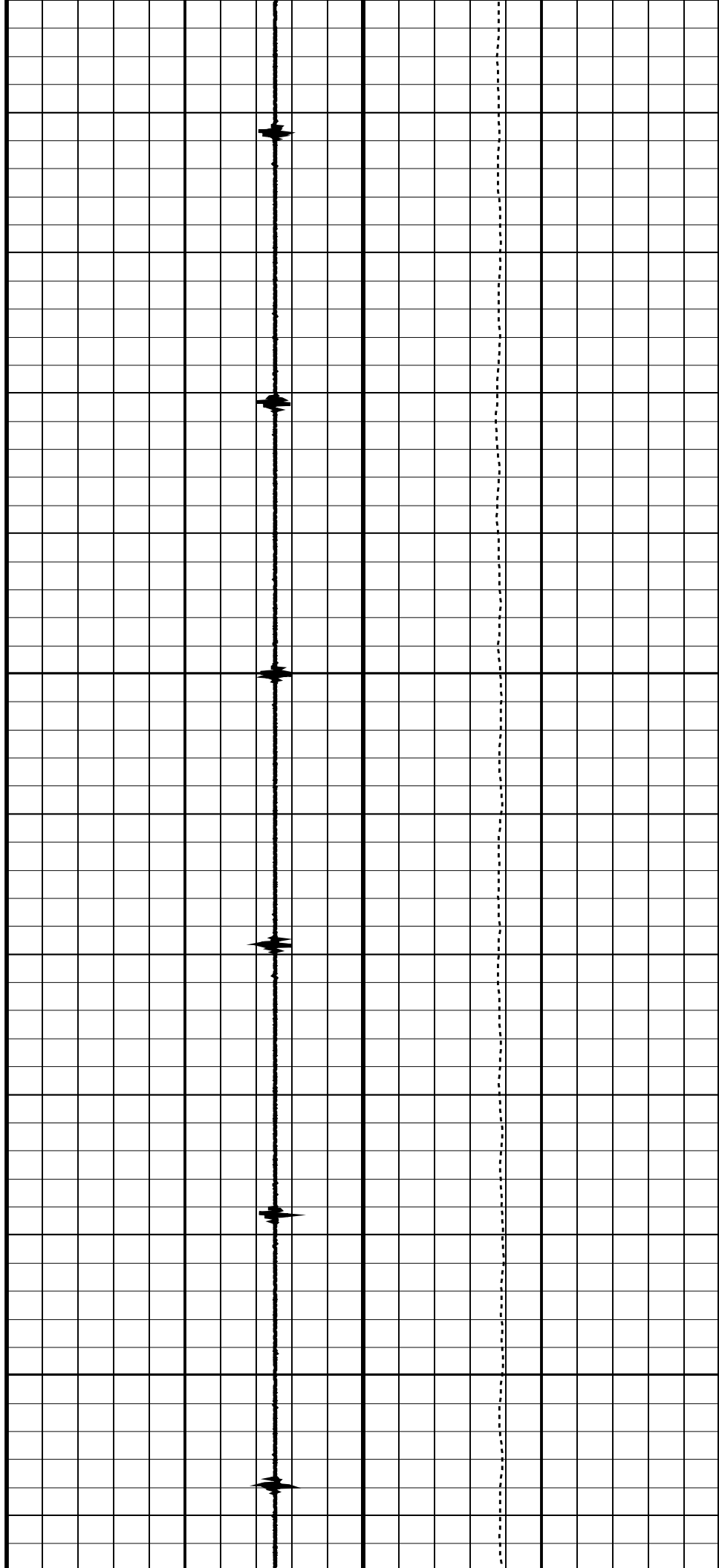


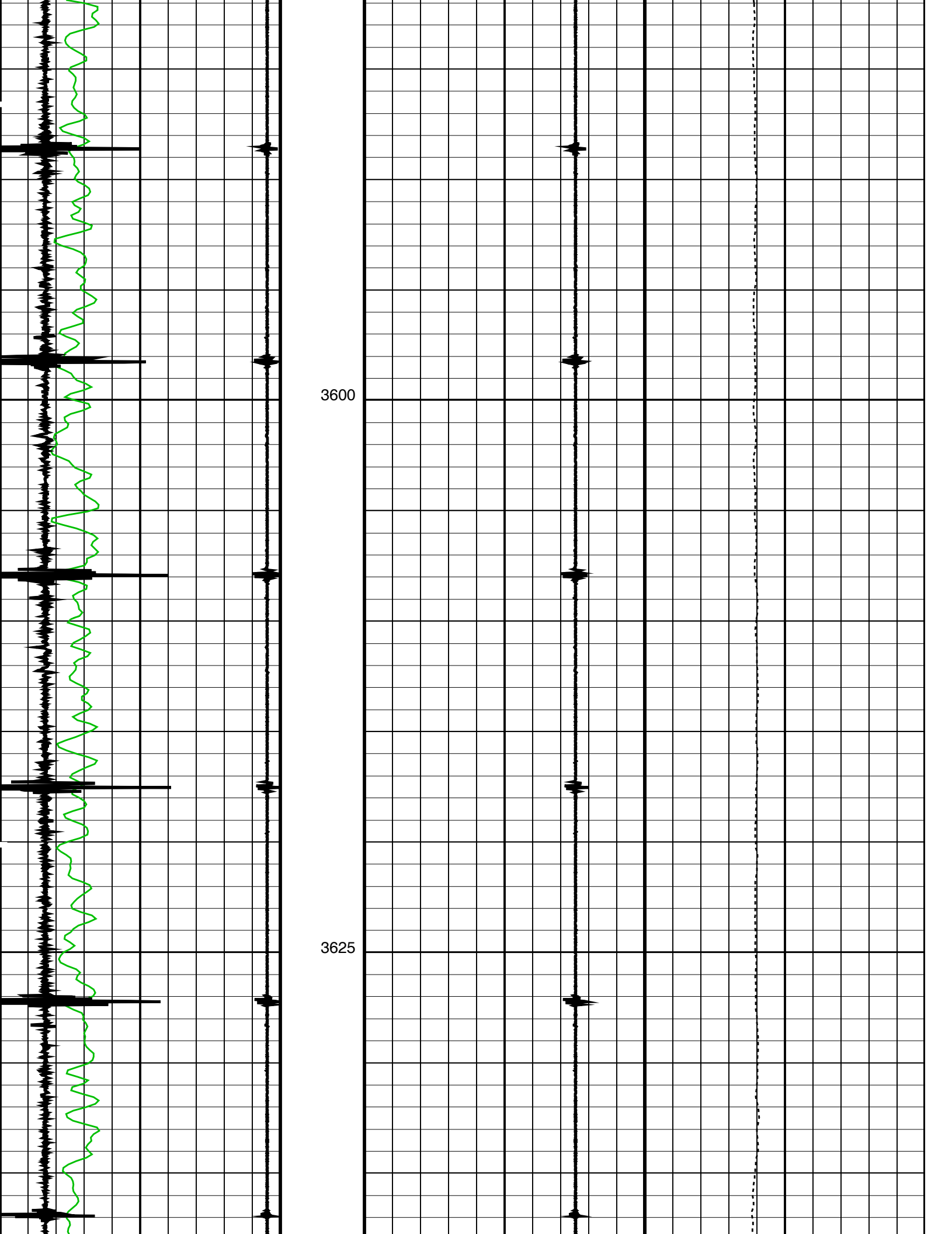


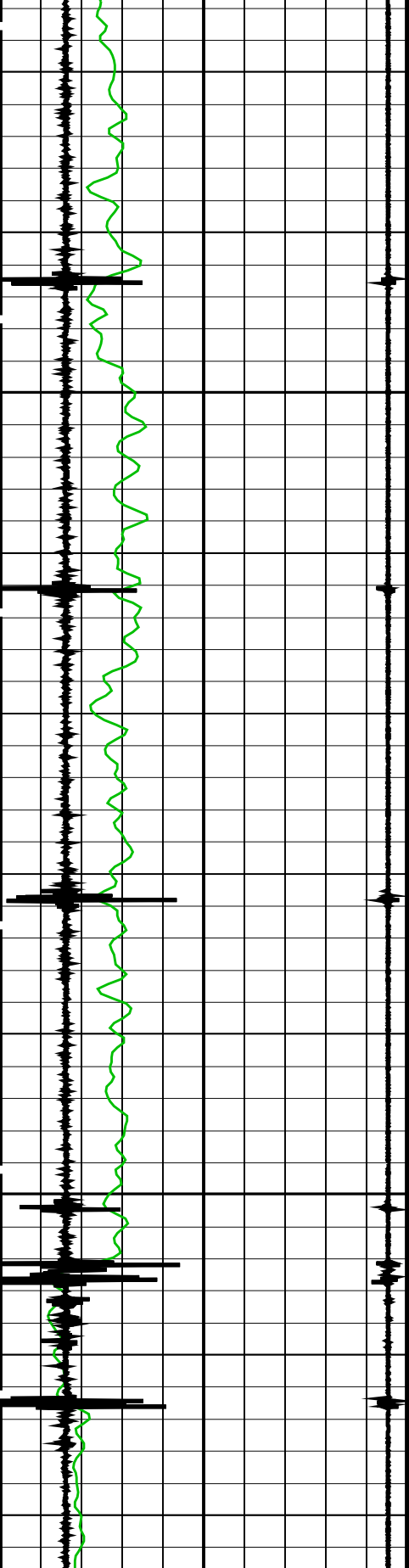


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3575







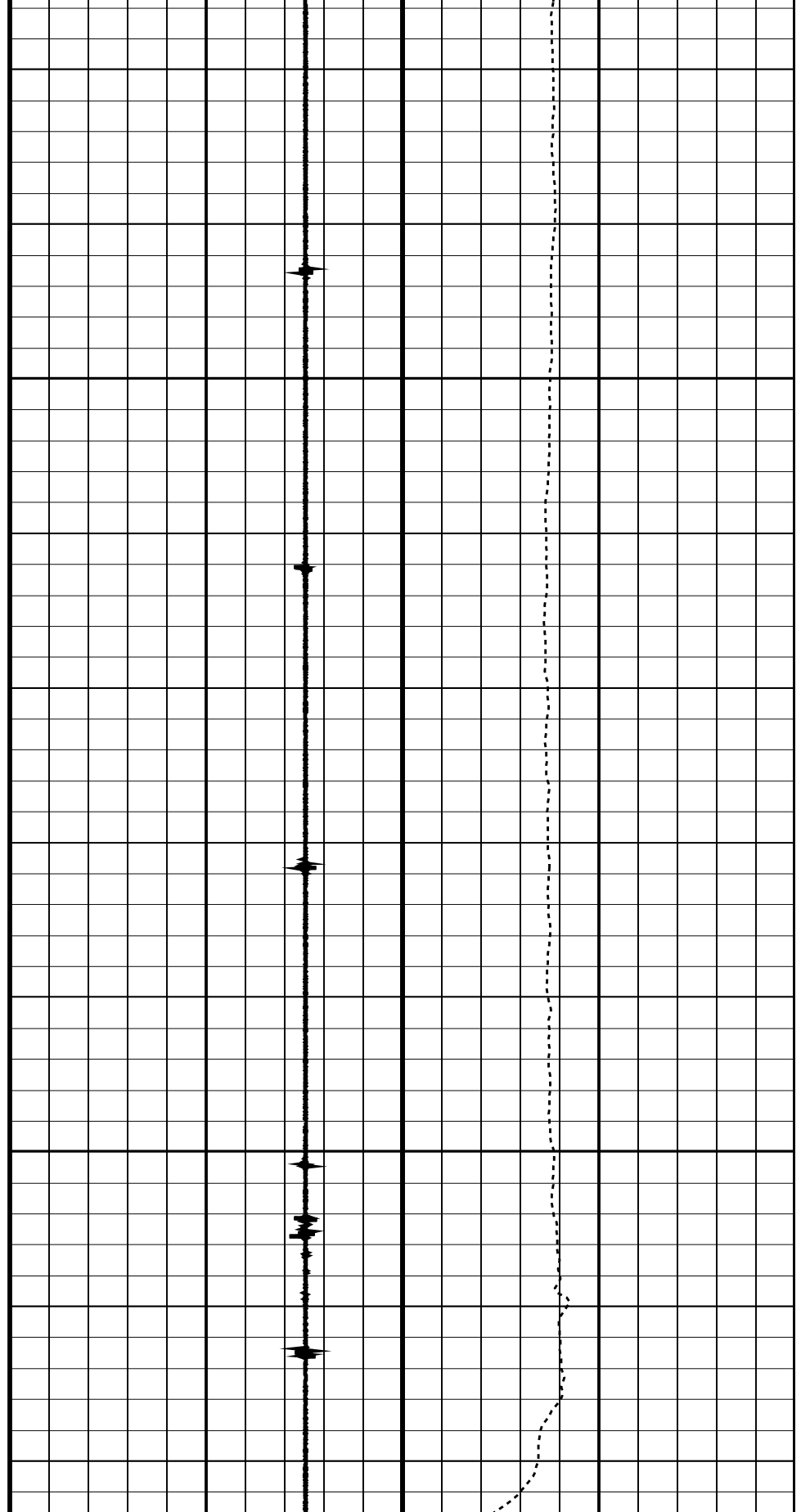
Gamma Ray (GR)  
(GAPI) 0 150

Casing Collar Locator (CCL)  
-19 (----) 1

Raw Casing Collar Locator (RCCL)  
-3 (----) 17

3650

3675



Shifted Casing Collar Locator (SCCL) -10 (----) 10 0 Tension (TENS) (LBF) 3000

PIP SUMMARY					
Time Mark Every 60 S					
Parameters					
DLIS Name		Description		Value	
System and Miscellaneous					
DO		Depth Offset for Playback		5.6	M
PP		Playback Processing		NORMAL	
Format: PERFO		Vertical Scale: 1:200		Graphics File Created: 18-Mar-2009 17:10	
OP System Version: 16C0-147					
MCM					
SHM_GUN	16C0-147	UPCT-A	16C0-147		
Input DLIS Files					
DEFAULT	PERFO_008LUP	FN:7	PRODUCER	18-Mar-2009 16:14	3681.1 M 2464.2 M
Output DLIS Files					
DEFAULT	PERFO_011PUP	FN:10	PRODUCER	18-Mar-2009 17:10	
Company: Esso Australia Pty Ltd.					
Schlumberger					
Well: WKF W-26					
Field: West Kingfish					
Rig: Rig 22/Prod 2					
Country: Australia					
2.5" Powercutter					
Tubing Cut Record					
18-Mar-2009					