Schlumberger

Company: **Esso Australia Pty Ltd.**

Well: **Halibut A−5b**
Field: **Gippsland Basin**
Rig: **ISDL Rig 453** Country: **Australia**

JB−GR−CCL

4.5" HSD Powerjet Omega

Rig: ISDL Rig 453
Field: Gippsland Basin
Location: Gippsland
Well: Halibut A−5b
Company: Esso Australia Pty Ltd.

LOCATION

Gippsland Basin Bass Strait		Elev.: K.B.	29.46 m
		G.L.	−72.5 m
		D.F.	29.46 m
Permanent Datum:	Mean Sea Level	Elev.:	0 m
Log Measured From:	Drill Floor	29.5 m	above Perm. Datum
Drilling Measured From:	Drill Floor		

State:	Max. Well Deviation	Longitude	Latitude
Victoria	42 deg	148*19' 07.62"E	38*24' 20.36"S

Logging Date		11−May−2007				
Run Number		1				
Depth Driller		3004 m				
Schlumberger Depth		2925 m				
Bottom Log Interval		2845.5 m				
Top Log Interval		2843 m				
Casing Fluid Type		Brine				
Salinity						
Density		8.55 lbm/gal				
Fluid Level						
BIT/CASING/TUBING STRING						
Bit Size		8.000 in				
From		0 m				
To		3004 m				
Casing/Tubing Size		7.000 in				
Weight		26 lbm/ft				
Grade		L−80				
From		12.2 m				
To		3004 m				
Maximum Recorded Temperatures						
Logger On Bottom	Time	11−May−2007	5:30			
Unit Number	Location	41	AUSL			
Recorded By		Alex Sword				
Witnessed By		Mr B.Davis/ Mr M.Turner				

		Run 1	Run 2	Run 3
PVT DATA	Oil Density			
	Water Salinity			
	Gas Gravity			
	Bo			
	Bw			
	1/Bg			
	Bubble Point Pressure			
	Bubble Point Temperature			
	Solution GOR			
	Maximum Deviation	42 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

Date Created: 15−MAY−2007 12:37:00

Depth System Equipment

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW−H	Type:	CMTD−B/A	Type:	7−46V−XS
Serial Number:	796	Serial Number:	1721	Serial Number:	76075
Calibration Date:	06−Sep−2006	Calibration Date:	16−Apr−07	Length:	5979.87 M
Calibrator Serial Number:	1009	Calibrator Serial Number:	1051		
Calibration Cable Type:	7−46V−XS	Calibration Gain:	0.82	Conveyance Method:	Wireline
Wheel Correction 1:	−3	Calibration Offset:	−796.00	Rig Type:	Offshore_Fixed
Wheel Correction 2:	−2				

Depth Control Parameters

Log Sequence:	First Log In the Well
Rig Up Length At Surface:	57.00 M
Rig Up Length At Bottom:	57.00 M
Rig Up Length Correction:	0.00 M
Stretch Correction:	−4.00 M
Tool Zero Check At Surface:	

Depth Control Remarks

1. IDW used as primary depth reference
2. Z−Chart used as Secondary Depth reference
3.
4.
5.
6.

OTHER SERVICES1	OTHER SERVICES2
OS1:	OS1:
OS2:	OS2:
OS3:	OS3:
OS4:	OS4:
OS5:	OS5:

REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
Purpose of the job is to first confirm access to perforation depth with	
Junk Basket and then RIH with 4.5" HSD Powerjet Omega guns and	
Correlate on depth and perforate Interval 2843−2845.5mMDKB	
CCL to Top Shot = 2.84m	
2.5 metres loaded	

Tagged HUD at around 2925mMDKB and communicated to town that this was less
than expected HUD. Decision was made to perforate anyway

Day Crew: Tony Goodwin, Nathan Simmons
Night Crew: Luke Dooley, Scott Lansbury
Performed By Schlumberger

RUN 1		RUN 2	
SERVICE ORDER #:	L0501H215	SERVICE ORDER #:	
PROGRAM VERSION:	15C0−309	PROGRAM VERSION:	
FLUID LEVEL:		FLUID LEVEL:	

LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1 RUN 2

SURFACE EQUIPMENT

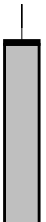
WITM (SHM)

DOWNHOLE EQUIPMENT

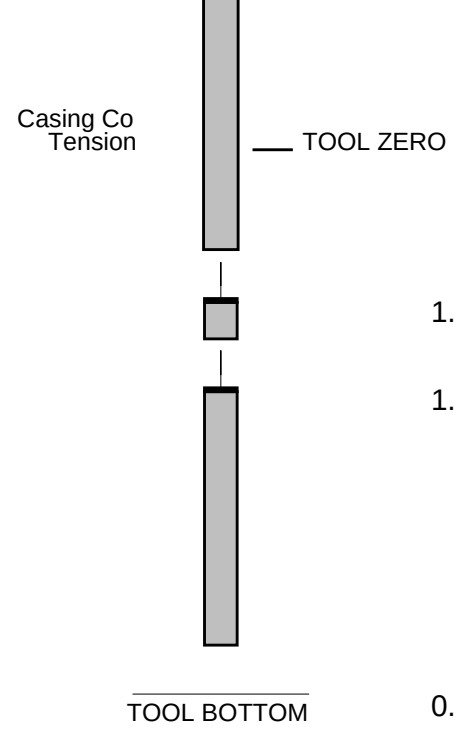
PEH−A
PEH−A 4.01

AH−64
AH−64 9802 3.42

PGGT−D
PGGC
PGGH−D 313 Gamma Ray 3.01



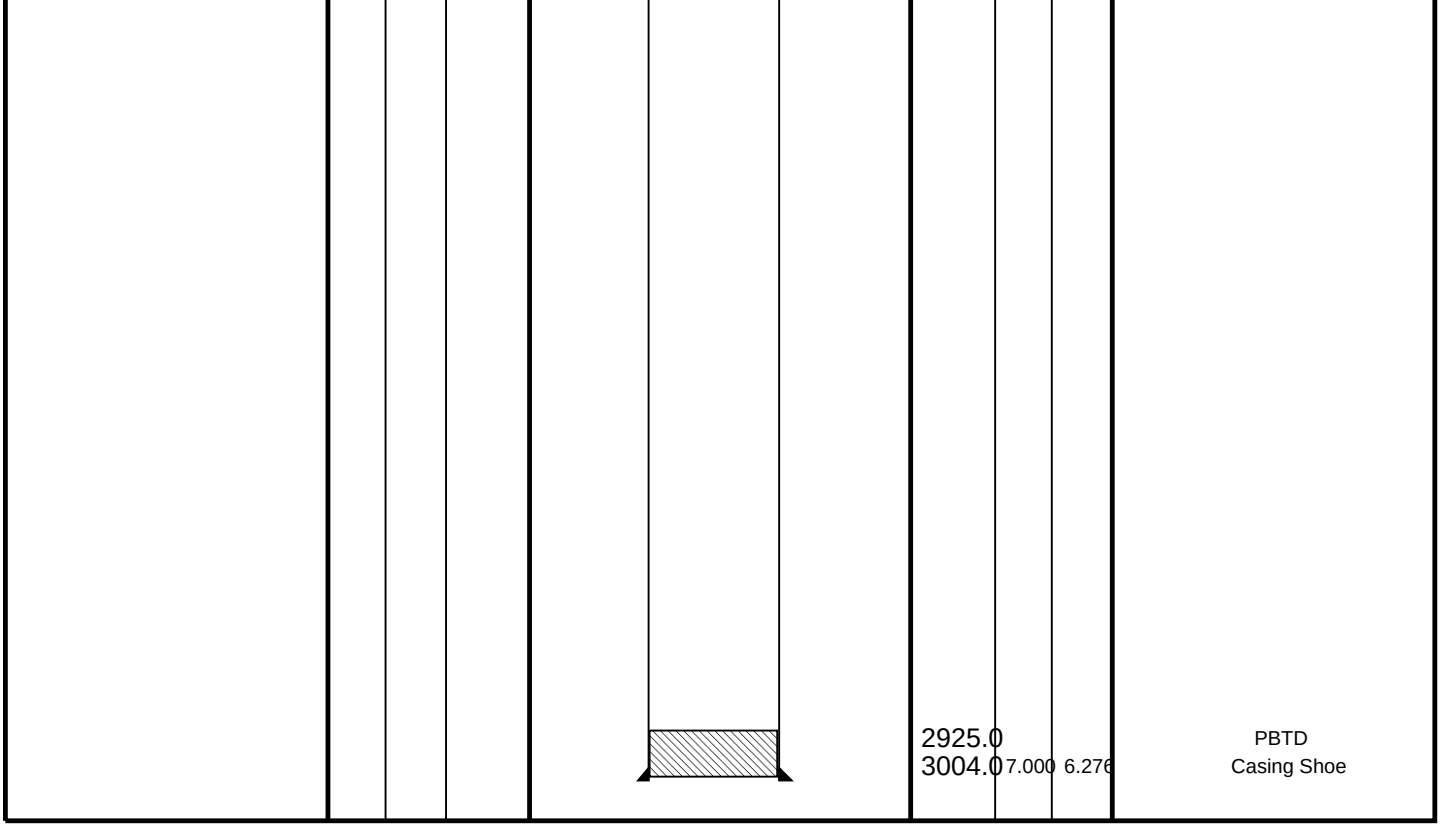
1.07



AH−283 AH−283 5001		1.23
AH−WPSA−AA AH−WPSA−AA 25		1.07
SHM_GUN	TOOL BOTTOM	0.00

MAXIMUM STRING DIAMETER 3.63 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

Production String	(in) OD	(in) ID	(m) MD	Well Schematic	(m) MD	(in) OD	(in) ID	Casing String
Kelly Bushing Elevation			29.5					
Derrick Floor Elevation			29.5					
Mean Sea Level			0.0		12.2	7.000	6.276	Casing String



Schlumberger

Shooting Pass

MAXIS Field Log

PERFO2 Operational Summary Listing

Device	Status	Req Depth (M)	Obs Depth (M)	Time Used
GUN1	Used	2843.0	2843.0	Sat May 12 06:05:19 2007

Output DLIS Files

DEFAULT	**PERFO_016LUP**	**FN:16**	**PRODUCER**	**12−May−2007 05:47**	**2890.4 M**	**2840.1 M**

OP System Version: 15C0−309

MCM

SHM_GUN 15C0−309 PGGT−D 15C0−309

PIP SUMMARY

Time Mark Every 60 S

Shifted Casing Collar Locator (SCCL)
−10 (−−−− 10

Tension (TENS)
10000 (LBF) 0

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

DCMAIN Current (DCC)
0 (MA) 2000

Gamma Ray (GR)
0 (GAPI) 200

DCMAIN Voltage (DCV)
0 (V) 200

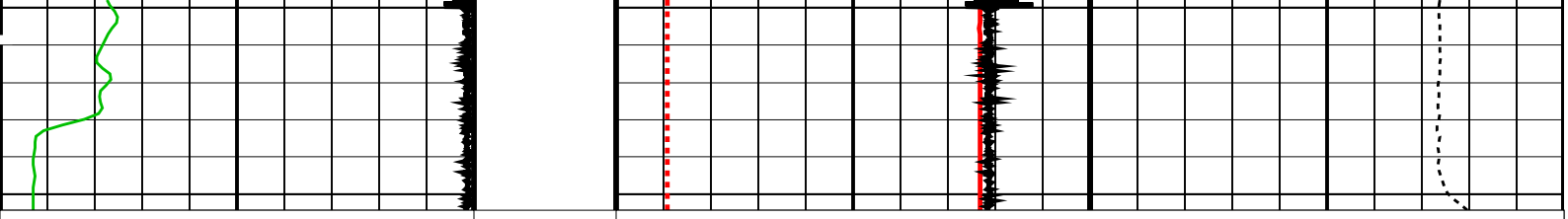
CCL Stop depth = 2840.16m

CCL to Top Shot = 2.84m

Perforated Interval = 2843 − 2845.5m MDKB

2850

2875



Gamma Ray (GR)		
0	(GAPI)	200

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

DCMAIN Voltage (DCV)		
0	(V)	200

DCMAIN Current (DCC)		
0	(MA)	2000

Shifted Casing Collar Locator (SCCL)		
−10	(−−−−	10

Tension (TENS)		
10000	(LBF)	0

PIP SUMMARY

Time Mark Every 60 S

Format: Perfo **Vertical Scale: 1:200** **Graphics File Created: 12−May−2007 05:47**

OP System Version: 15C0−309

MCM

SHM_GUN	15C0−309	PGGT−D	15C0−309

Output DLIS Files

DEFAULT	PERFO_016LUP	FN:16	PRODUCER	12−May−2007 05:47

Schlumberger

Correlation Pass

MAXIS Field Log

Output DLIS Files

DEFAULT	PERFO_015LUP	FN:15	PRODUCER	12−May−2007 05:32

OP System Version: 15C0−309

MCM

SHM_GUN	15C0−309	PGGT−D	15C0−309

PIP SUMMARY

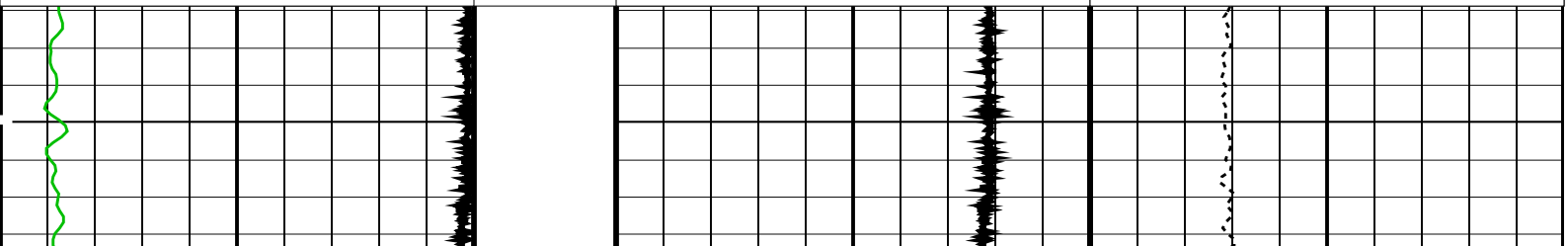
Time Mark Every 60 S

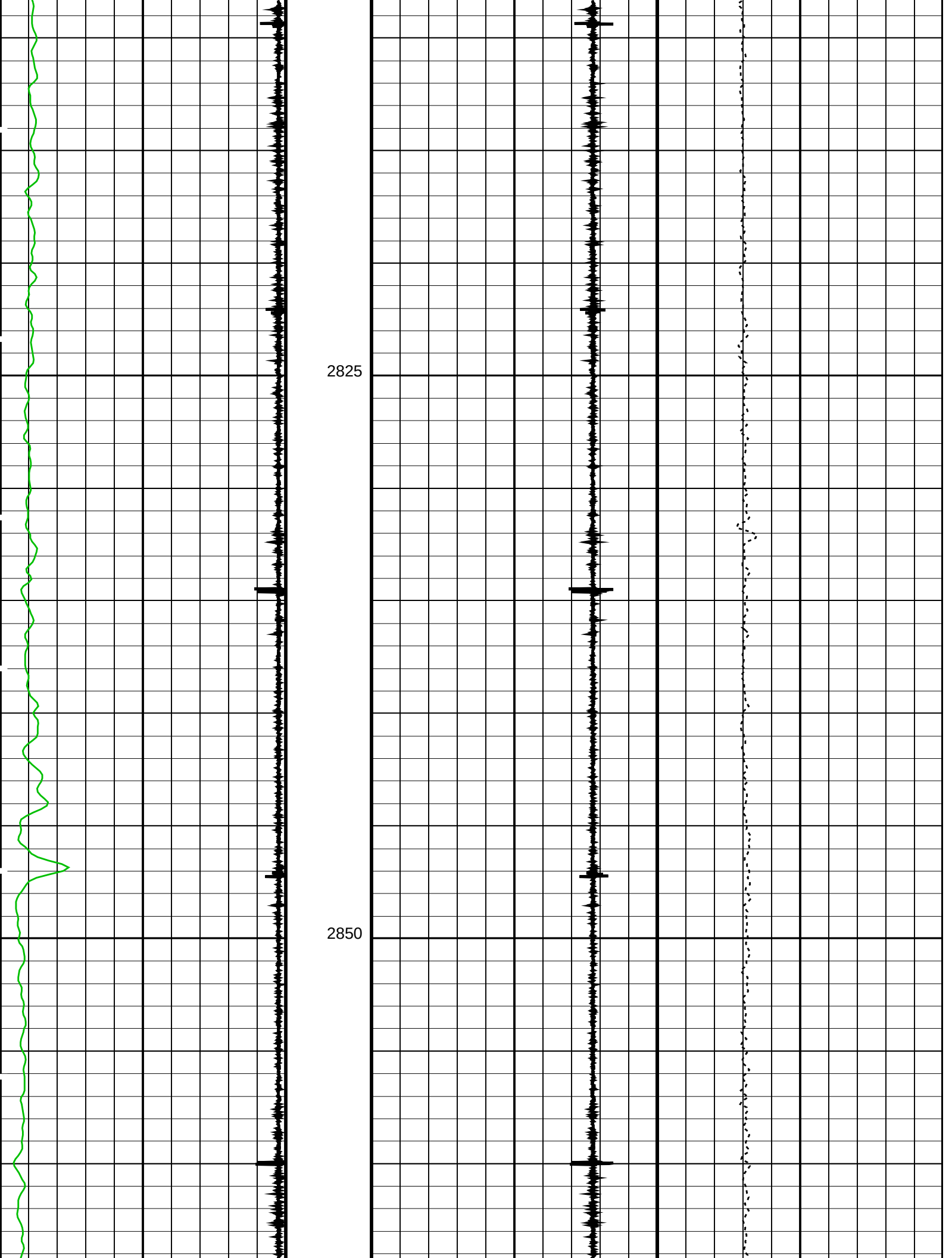
Casing Collar Locator (CCL)		
−19	(−−−−	1

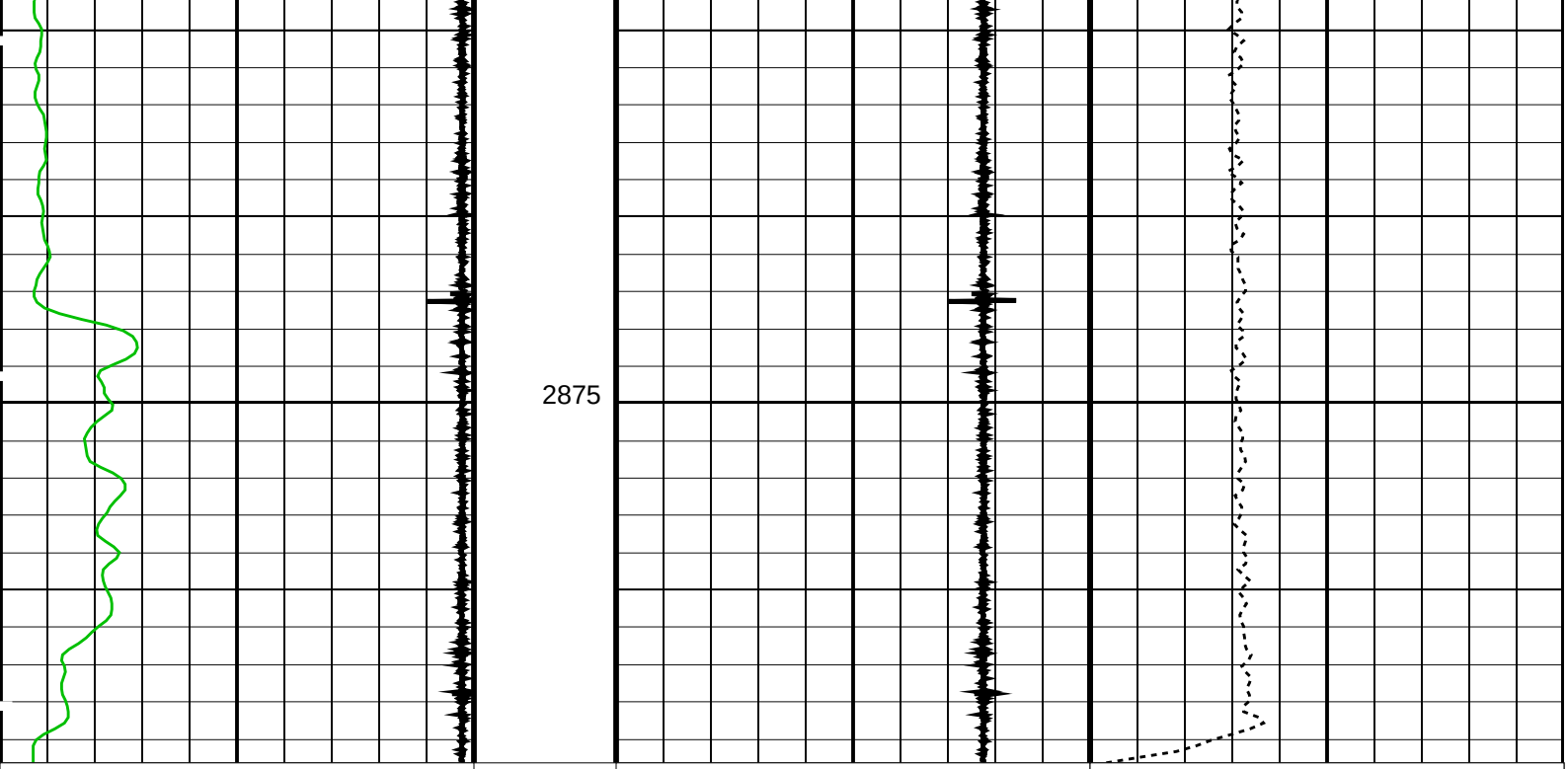
Gamma Ray (GR)		
0	(GAPI)	200

Shifted Casing Collar Locator (SCCL)		
−10	(−−−−	10

Tension (TENS)		
0	(LBF)	2000




2825
2850



Gamma Ray (GR)			Shifted Casing Collar Locator (SCCL)			Tension (TENS)		
0	(GAPI)	200	−10	(−−−−	10	0	(LBF)	2000

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

PIP SUMMARY

Time Mark Every 60 S

Format: Correlation **Vertical Scale: 1:200** **Graphics File Created: 12−May−2007 05:32**

OP System Version: 15C0−309

MCM

SHM_GUN	15C0−309	PGGT−D	15C0−309

Output DLIS Files

DEFAULT	PERFO_015LUP	FN:15	PRODUCER	12−May−2007 05:32

Schlumberger

First Run in Hole Log

MAXIS Field Log

Input DLIS Files

DEFAULT	Flip_PERFO_023LUP	PRODUCER	15−May−2007 13:21	2959.8 M	−0.6 M

Output DLIS Files

DEFAULT	GR_025PUP	FN:24	PRODUCER	15−May−2007 13:24	2950.0 M	2500.4 M

OP System Version: 15C0−309

MCM

PGGT−D 15C0−309

PIP SUMMARY

Time Mark Every 60 S

Casing Collar Locator (CCL)

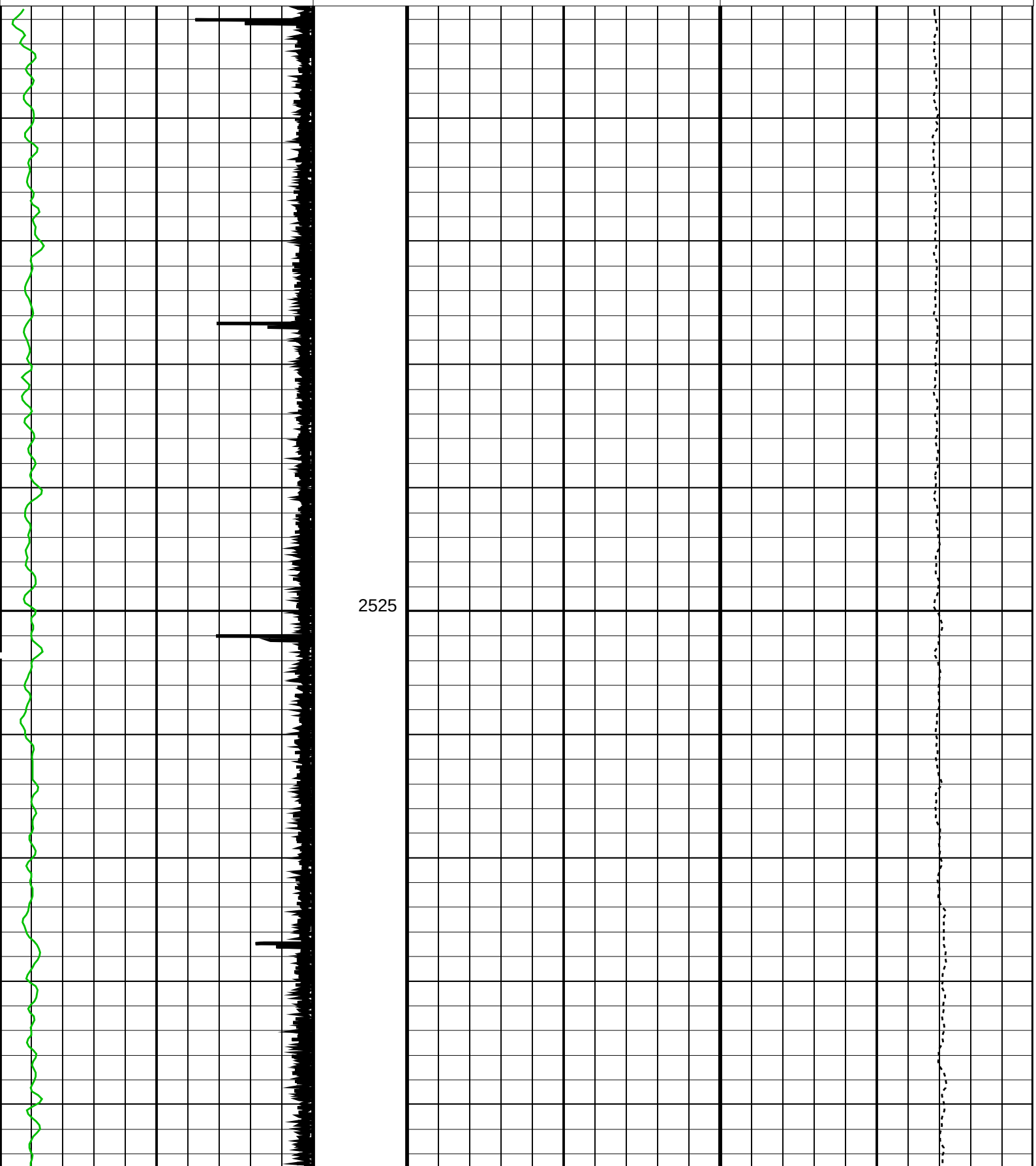
−19 (−−−− 1

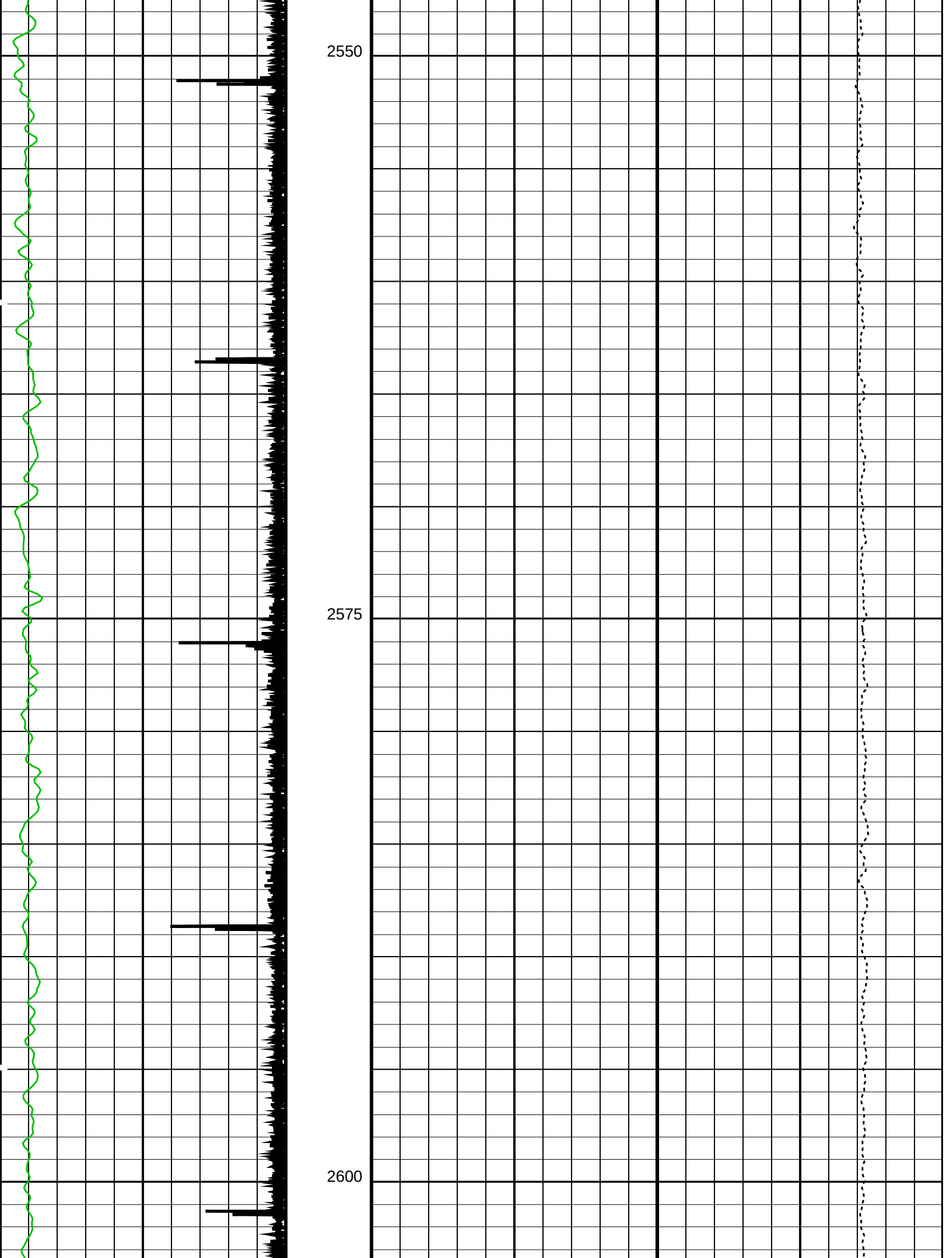
Gamma Ray (GR)

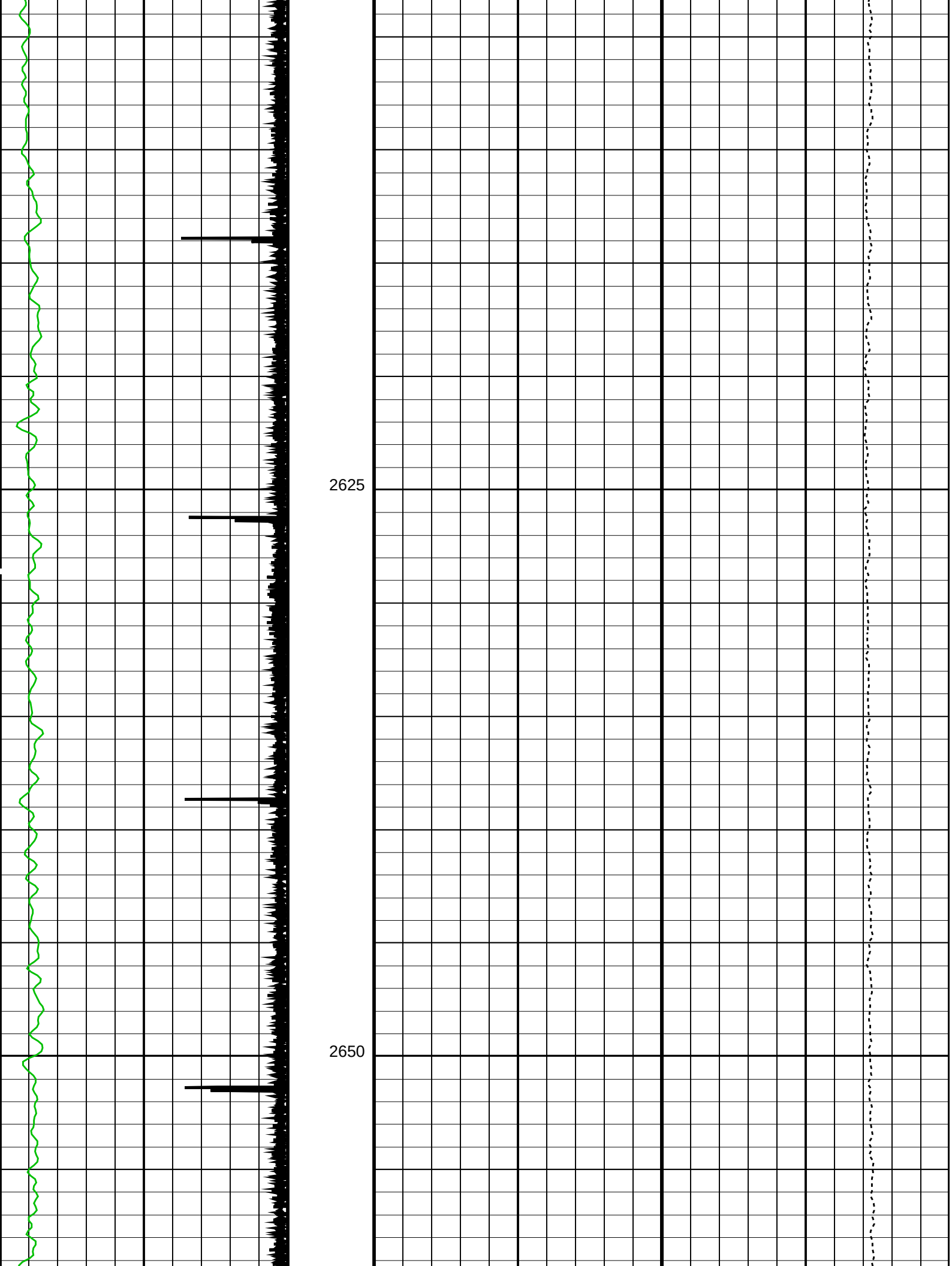
0 (GAPI) 200

Tension (TENS)

0 (LBF) 2000




2550
2575
2600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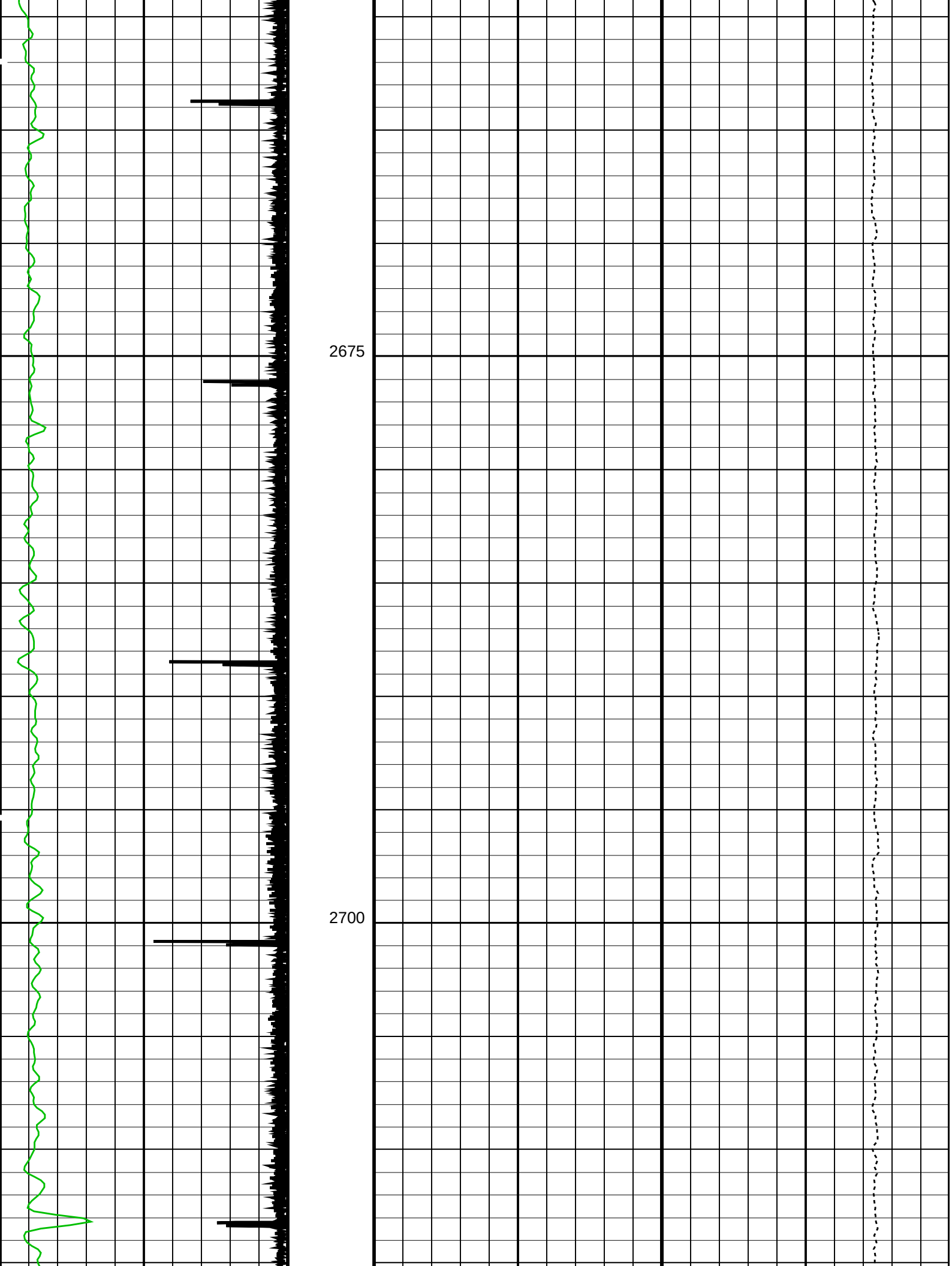
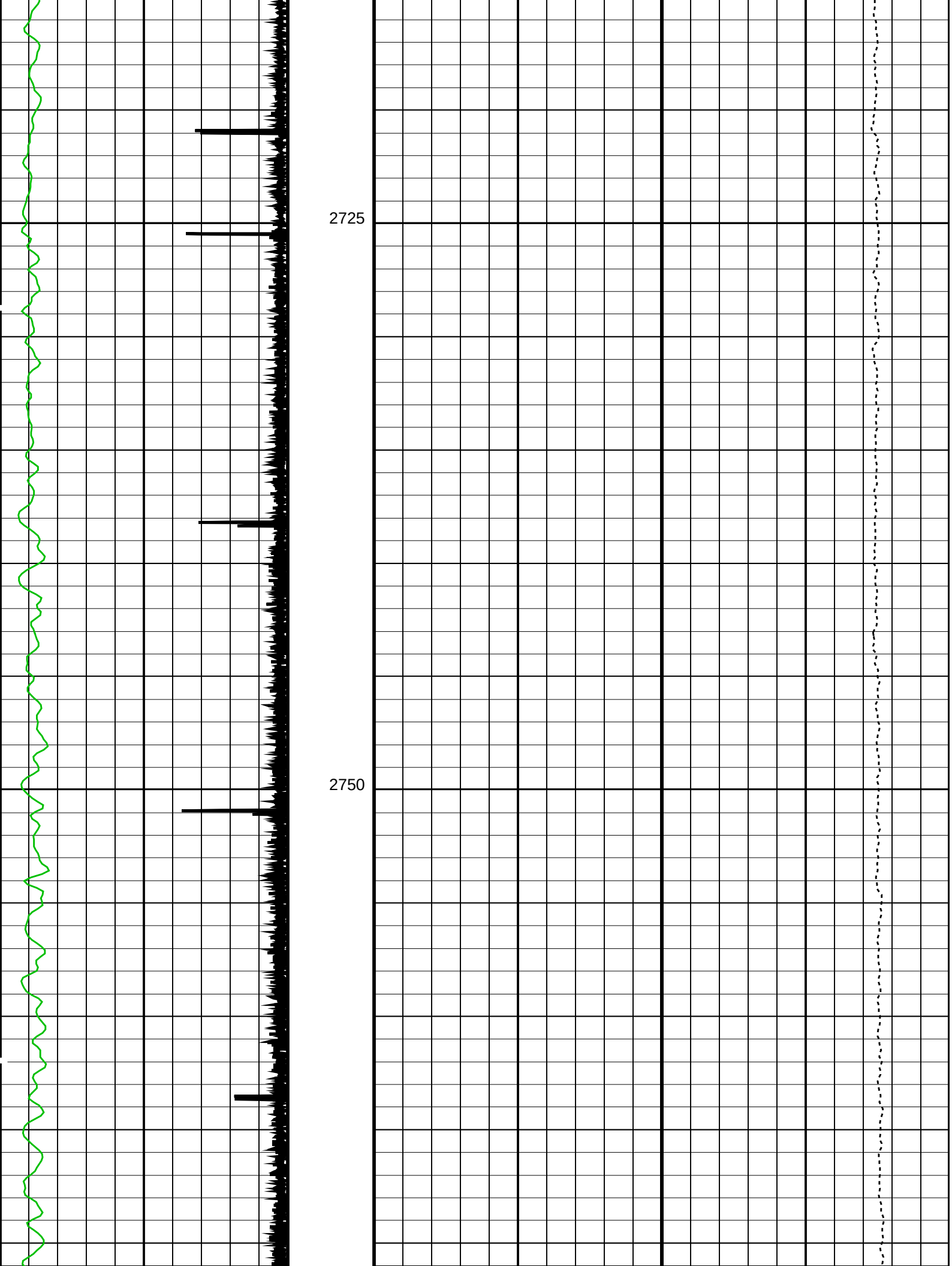
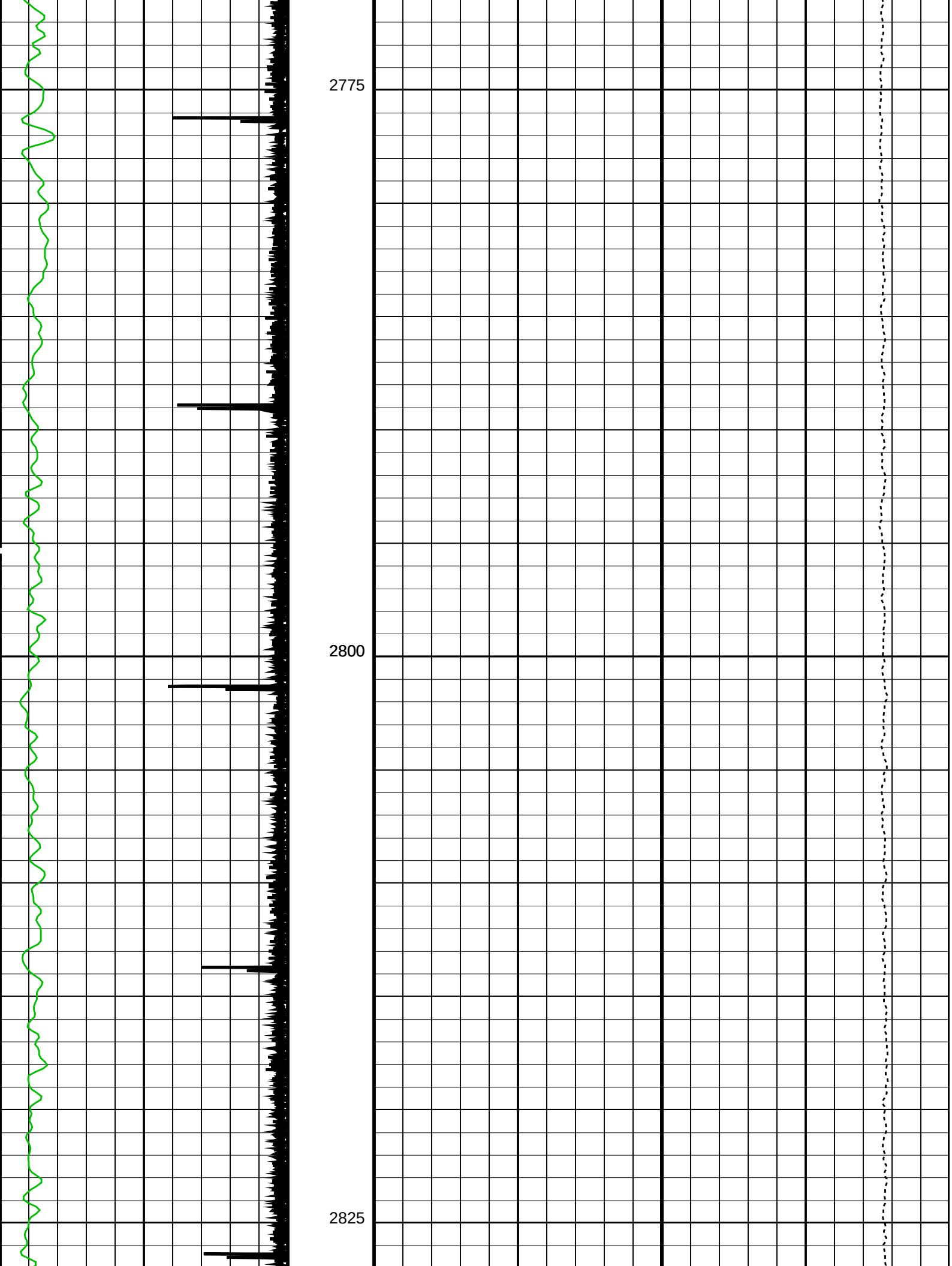
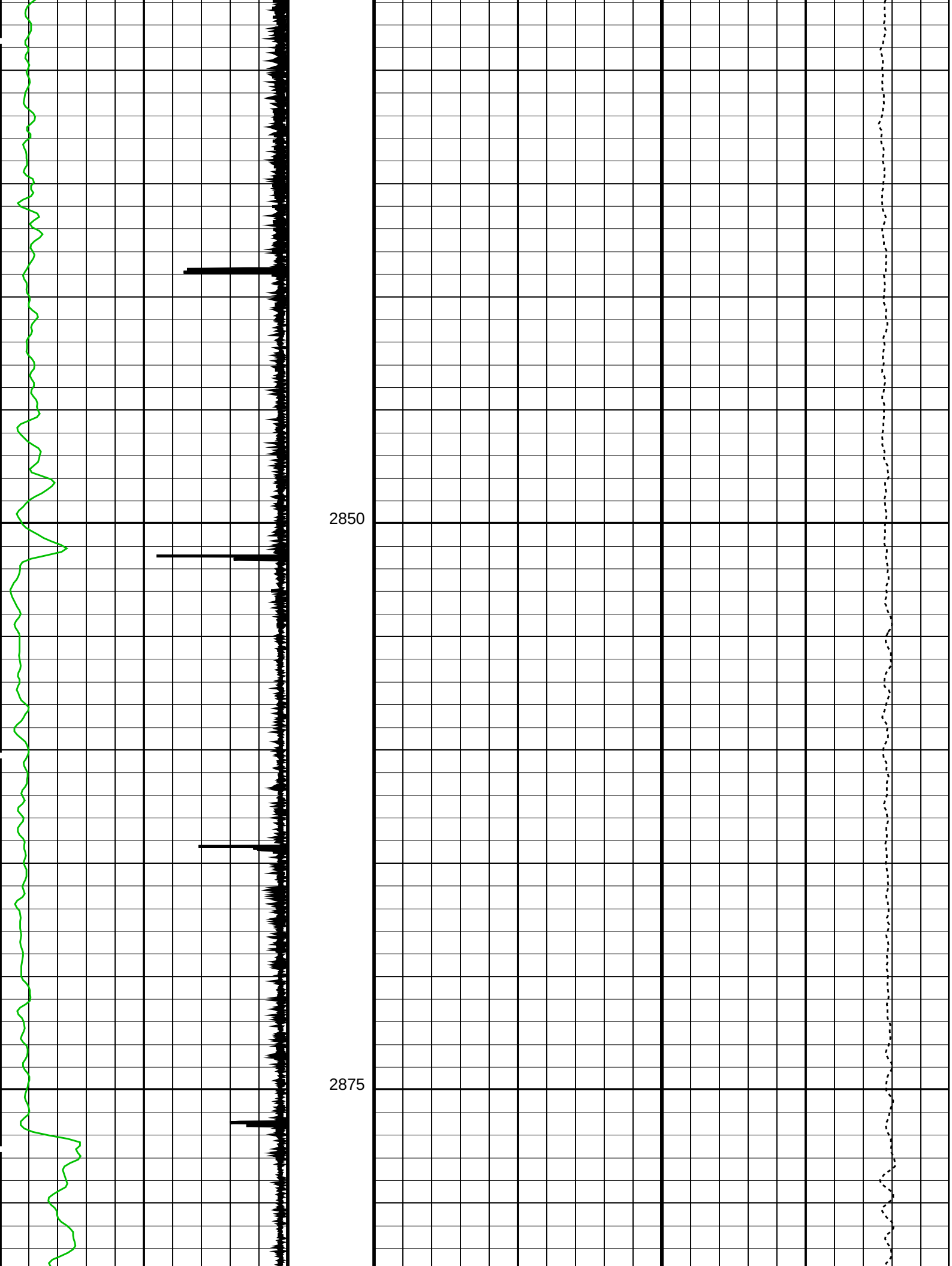
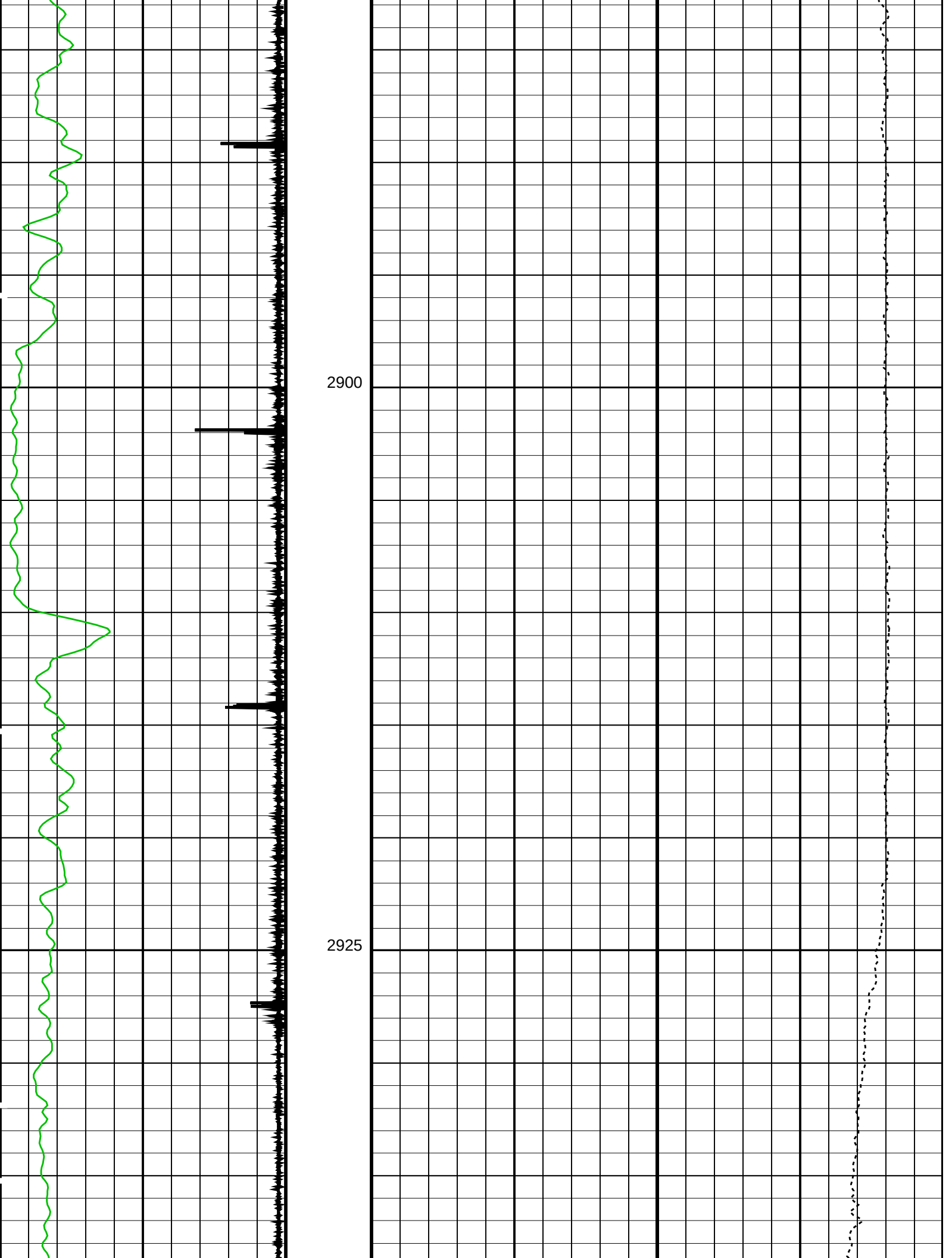
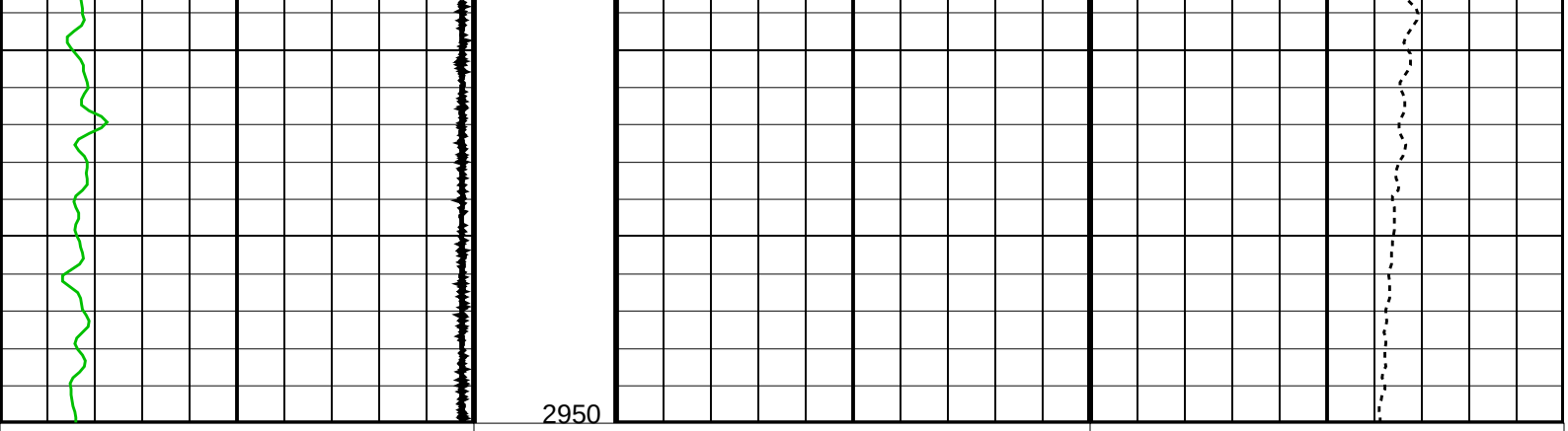

2675
2700


2725
2750


2775
2800
2825


2850
2875


2900
2925



Gamma Ray (GR)		
0	(GAPI)	200

Tension (TENS)		
0	(LBF)	2000

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

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
	System and Miscellaneous	
DO	Depth Offset for Playback	0.0 M
PP	Playback Processing	NORMAL

Format: Correlation Vertical Scale: 1:200 Graphics File Created: 15−May−2007 13:24

OP System Version: 15C0−309

MCM

PGGT−D	15C0−309

Input DLIS Files

DEFAULT	Flip_PERFO_023LUP		PRODUCER	15−May−2007 13:21	2959.8 M	−0.6 M

Output DLIS Files

DEFAULT	GR_025PUP	FN:24	PRODUCER	15−May−2007 13:24

Company: **Esso Australia Pty Ltd.**

Schlumberger

Well: **Halibut A−5b**
Field: **Gippsland Basin**
Rig: **ISDL Rig 453**
Country: **Australia**

JB−GR−CCL
4.5" HSD Powerjet Omega