Schlumberger

Company: Lamont Doherty

Well: ODP Leg 207 Site 1260B
Field: Demarara Rise
Country: Venezuela Ocean: Atlantic

Long Spaced Sonic
Gamma Ray

Country: Venezuela
Field: Demarara Rise
Location: 9.2656 Deg North, 54.54419 Deg
Well: ODP Leg 207 Site 1260B
Company: Lamont Doherty

LOCATION

9.2656 Deg North, 54.54419 Deg West

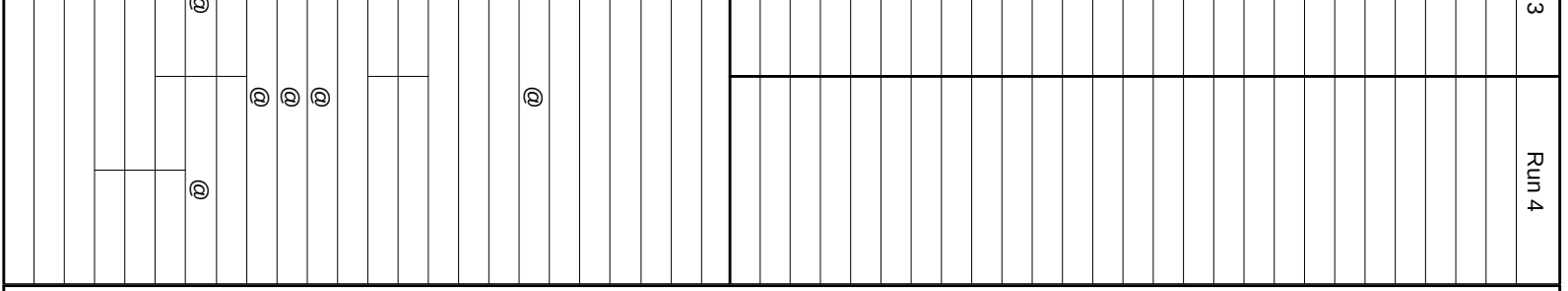
Elev.: K.B. 11.3 m
G.L. -2560 m
D.F. 11 m

Permanent Datum: MSL Elev.: 0 m
Log Measured From: DES 11.3 m above Perm. Datum
Drilling Measured From: DES

API Serial No.	Max. Hole Devi.	Longitude	Latitude

	Run 1	Run 2	Run
Logging Date	11-Feb-2003		
Run Number	1		
Depth Driller	3069 m		
Schlumberger Depth	3067 m		
Bottom Log Interval	3051 m		
Top Log Interval	2625 m		
Casing Driller Size @ Depth	0.000 in @ 2650 m	@	@
Casing Schlumberger	2636 m		
Bit Size	9.875 in		
Type Fluid In Hole	Sepiolite Salt Water		
MUD Density / Viscosity	1.1 g/cm3 /	/	/
MUD Fluid Loss / PH	/	/	/
MUD Source Of Sample	Mudpit		
RM @ Measured Temperature	0.258 ohm.m @ 32 degC	@	@
RMF @ Measured Temperature	@	@	@
RMC @ Measured Temperature	@	@	@
Source RMF / RMC	/	/	/
RM @ MRT / RMF @ MRT	0.363 @ 17 / @ 17	@ / @	@ / @
Maximum Recorded Temperatures	17 degC		
Circulation Stopped / Time			
Logger On Bottom / Time	12-Feb-2003 8:00		
Unit Number / Location	99 Houston, TX ODP		
Recorded By	K. Swain		
Witnessed By	B. Rea, F. Heidersdorf		

	Run 1	Run 2	Run
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			
MUD Density / Viscosity	/		
MUD Fluid Loss / PH	/		
MUD Source Of Sample			
RM @ Measured Temperature	@		
RMF @ Measured Temperature	@		
RMC @ Measured Temperature	@		
Source RMF / RMC	/		
RM @ MRT / RMF @ MRT	@ / @		@
Maximum Recorded Temperatures			
Circulation Stopped / Time			
Logger On Bottom / Time			
Unit Number / Location	/		
Recorded By			
Witnessed By			



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OTHER SERVICES1	OTHER SERVICES2
OS1: DITE	OS1:
OS2: HLDS/APS	OS2:
OS3: WST	OS3:
OS4: FMS	OS4:
OS5:	OS5:

REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
Hole cored with RCB, 9 7/8" bit.	
Driller Sea Floor at:2560 mbrf.	
Log measured in meters below rig floor.	
Lamont TAP tool run at bottom of DITE for temperature/pressure data.	
Wireline heave compensator used on all runs.	
Sepiolite mud was used to displace the hole.	
Driller TD= 3069mbrf.	
Schlumberger TD= 3067 mbrf.	
Drill pipe Schlumberger= 2636mbrf.	
See Lamont TAP tool for bottom hole temperature.	

RUN 1		RUN 2	
SERVICE ORDER #:		SERVICE ORDER #:	
PROGRAM VERSION:	10C0-306	PROGRAM VERSION:	
FLUID LEVEL:		FLUID LEVEL:	

LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1 RUN 2

SURFACE EQUIPMENT

GSR-U/Y
WITM (DTS)-A

DOWNHOLE EQUIPMENT

LEH-QT — 24.05
LEH-QT 1497

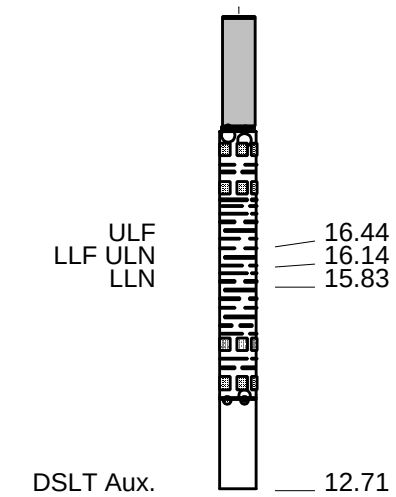
DTC-H — CTEM — 22.88 — 23.16
ECH-KC 9343 — TelStatus — 22.25
DTCH0-A 8261 — ToolStatu

AH-MGT — 22.25

AH-MGT

DSLT-FTB
DSLC-B 8200
ECH-KH 8251
SLS-ZA 674

19.96



SGT-N
SGH-K 2450
SGC-TB 9585
SGD-TAA

Gamma Ray 12.43

12.71

AH-TAP
AH-TAP 1

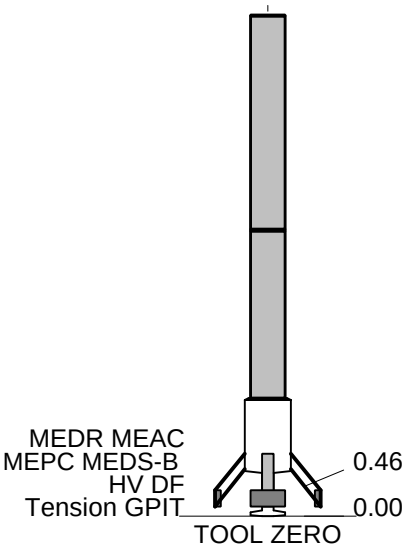
11.03

DTA-A
ECH-KE 8231
DTA-A 8231

8.90

MEST-B
MEAH-B 701
MEAC-A 833
MEPH-A 702
GPIC-A 719
MEPC-AB
MEDS-B 771

7.68



MAXIMUM STRING DIAMETER 4.50 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

Output DLIS Files

DEFAULT	FMS_SONIC_016LUP	FN:23	PRODUCER	12-Feb-2003 08:17	3069.2 M	2624.5 M
REDUCE	FMS_SONIC_016LUP	FN:24	PRODUCER	12-Feb-2003 08:17	3069.2 M	2624.5 M

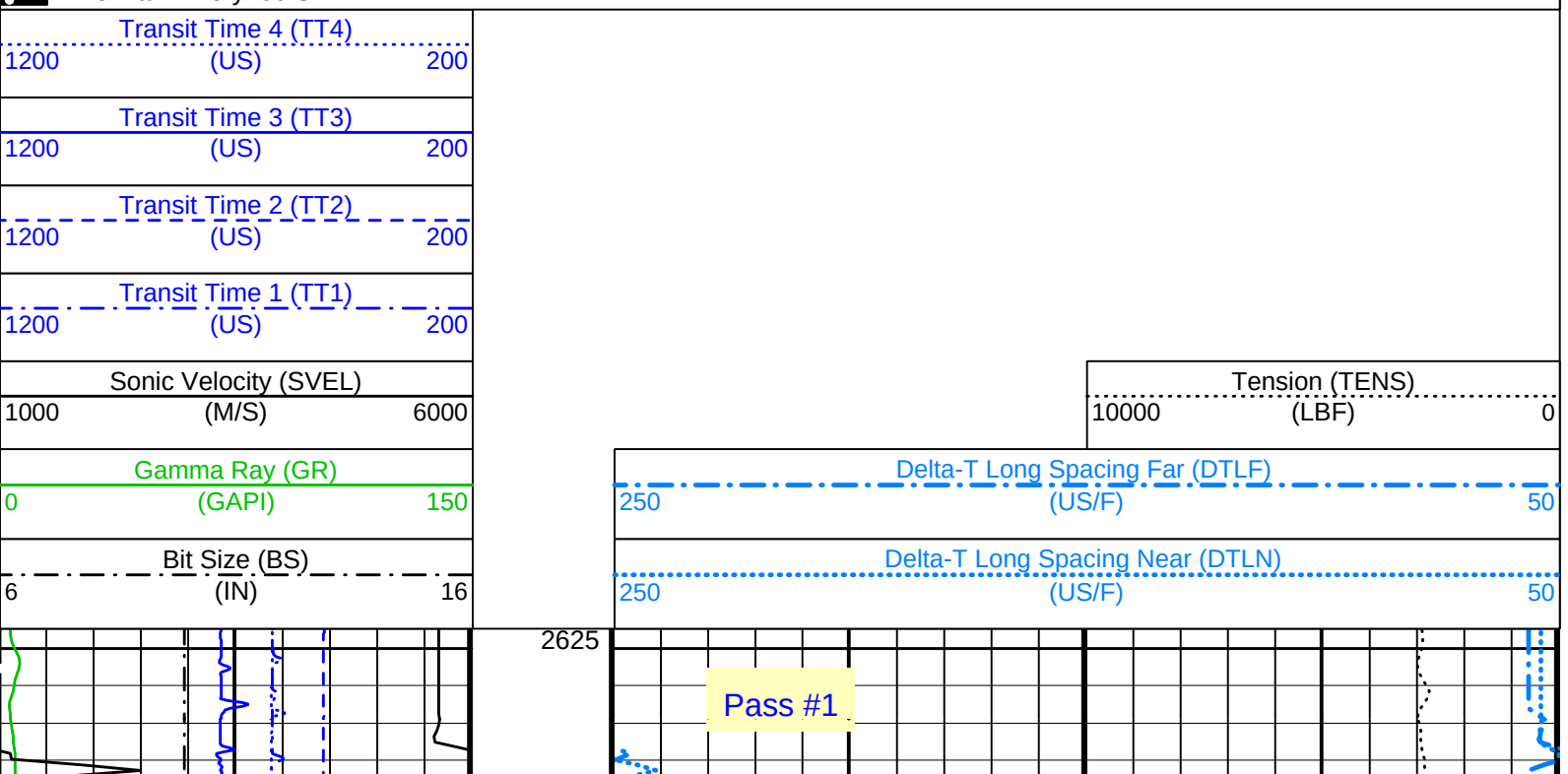
OP System Version: 10C0-306

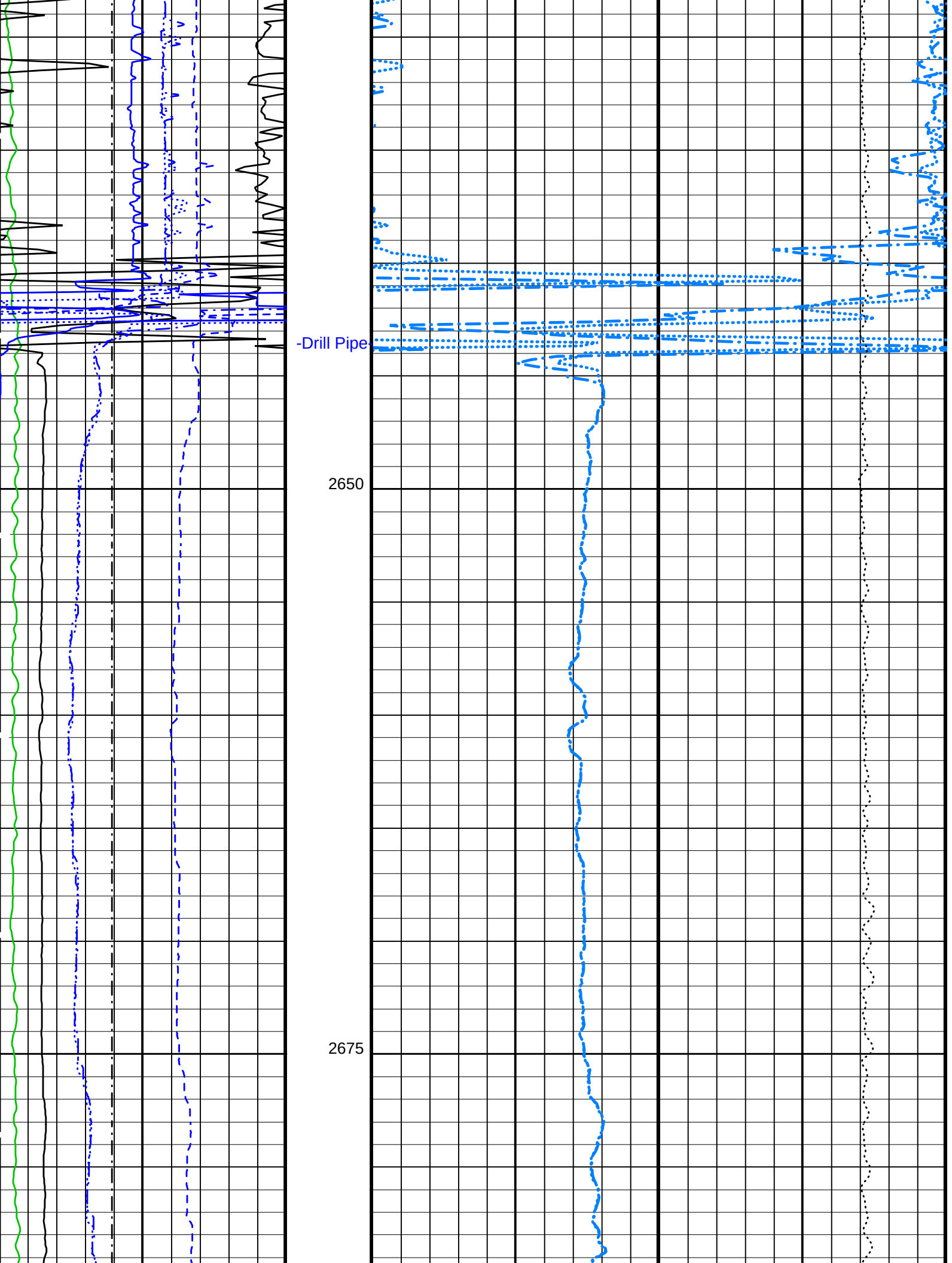
MCM

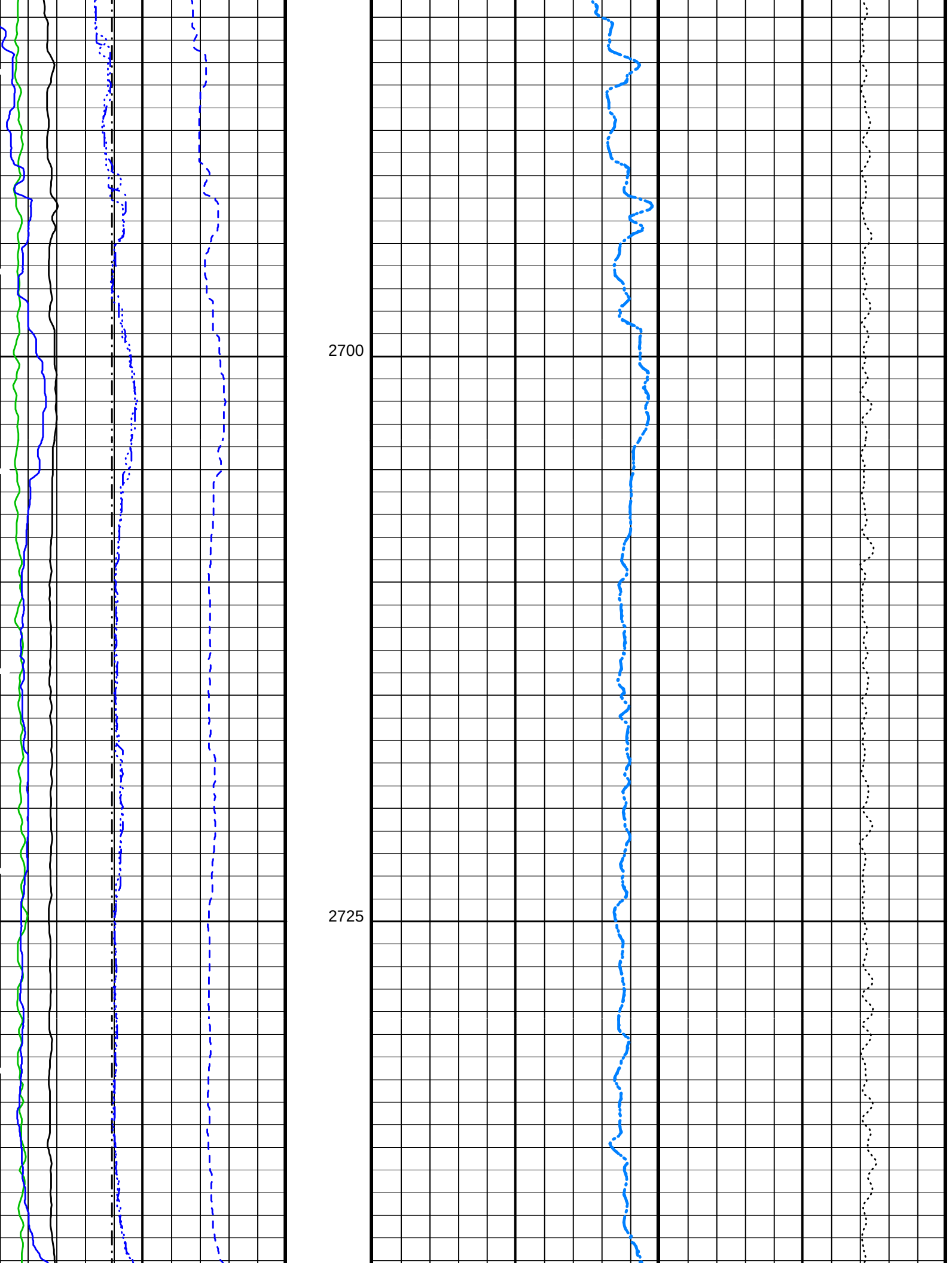
MEST-B	10C0-306	DTA-A	10C0-306
SGT-N	10C0-306	DSLT-FTB	OP10-KP1
DTC-H	10C0-306		

PIP SUMMARY

Time Mark Every 60 S




-Drill Pipe
2650
2675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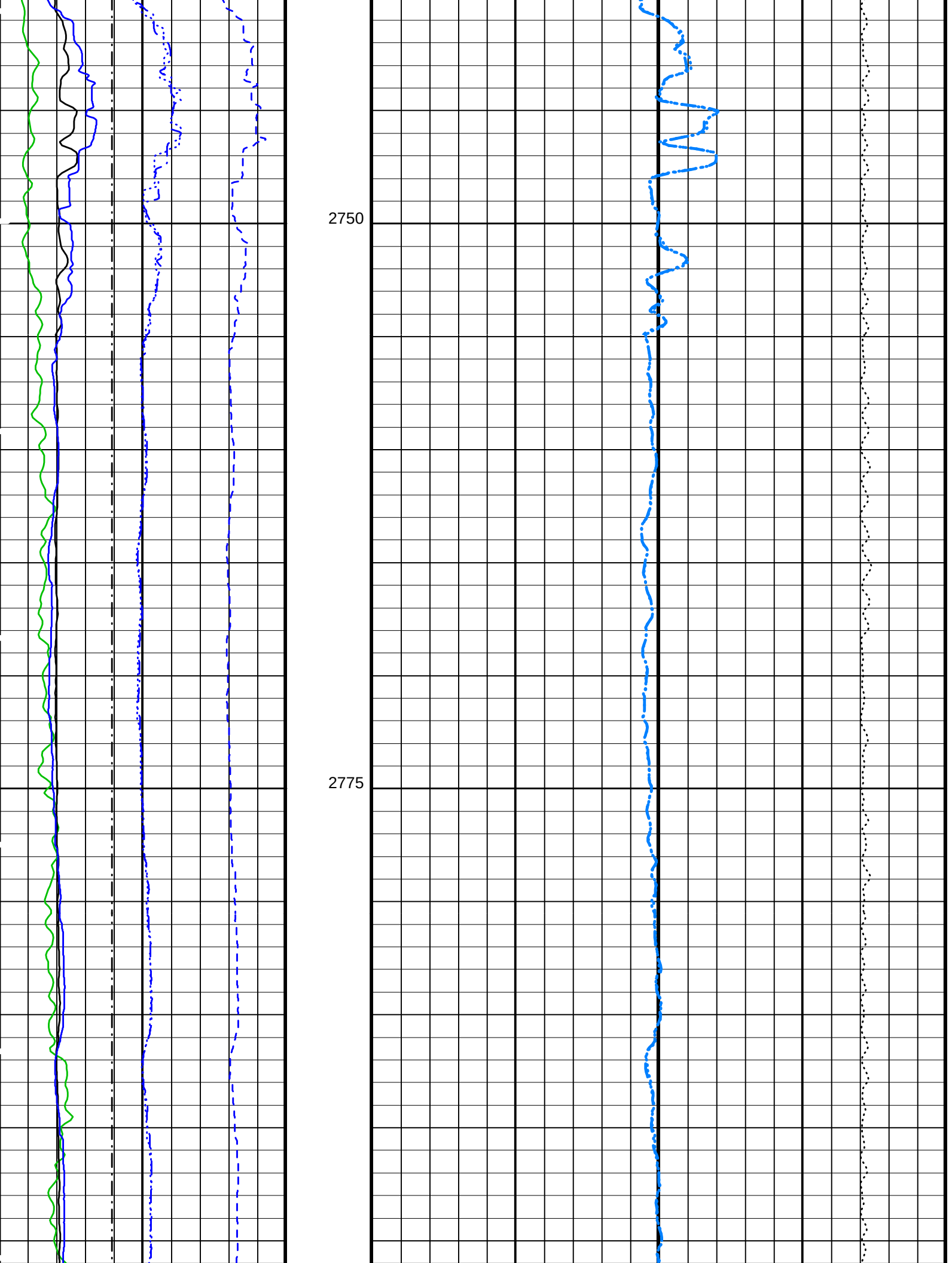
2725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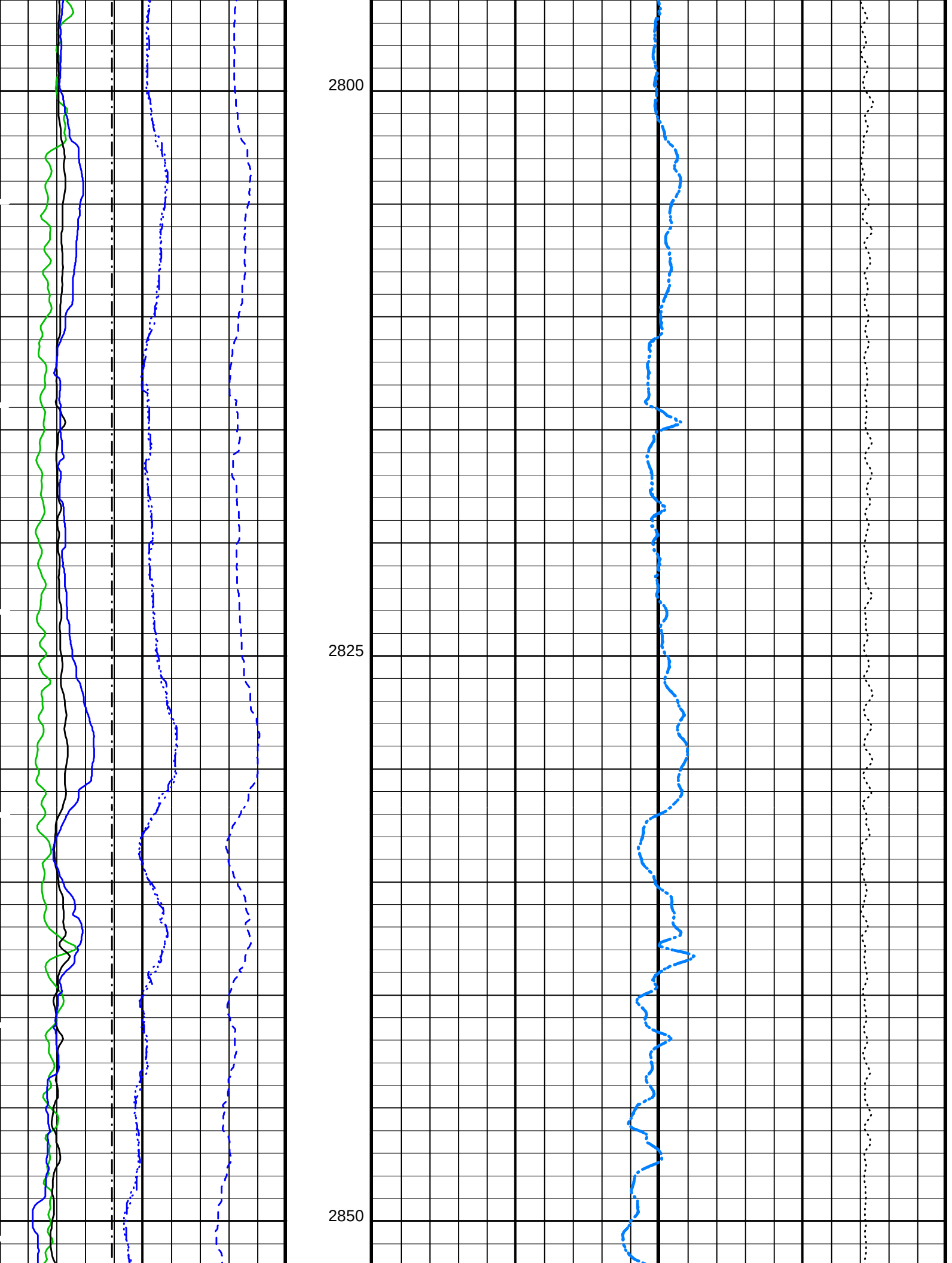
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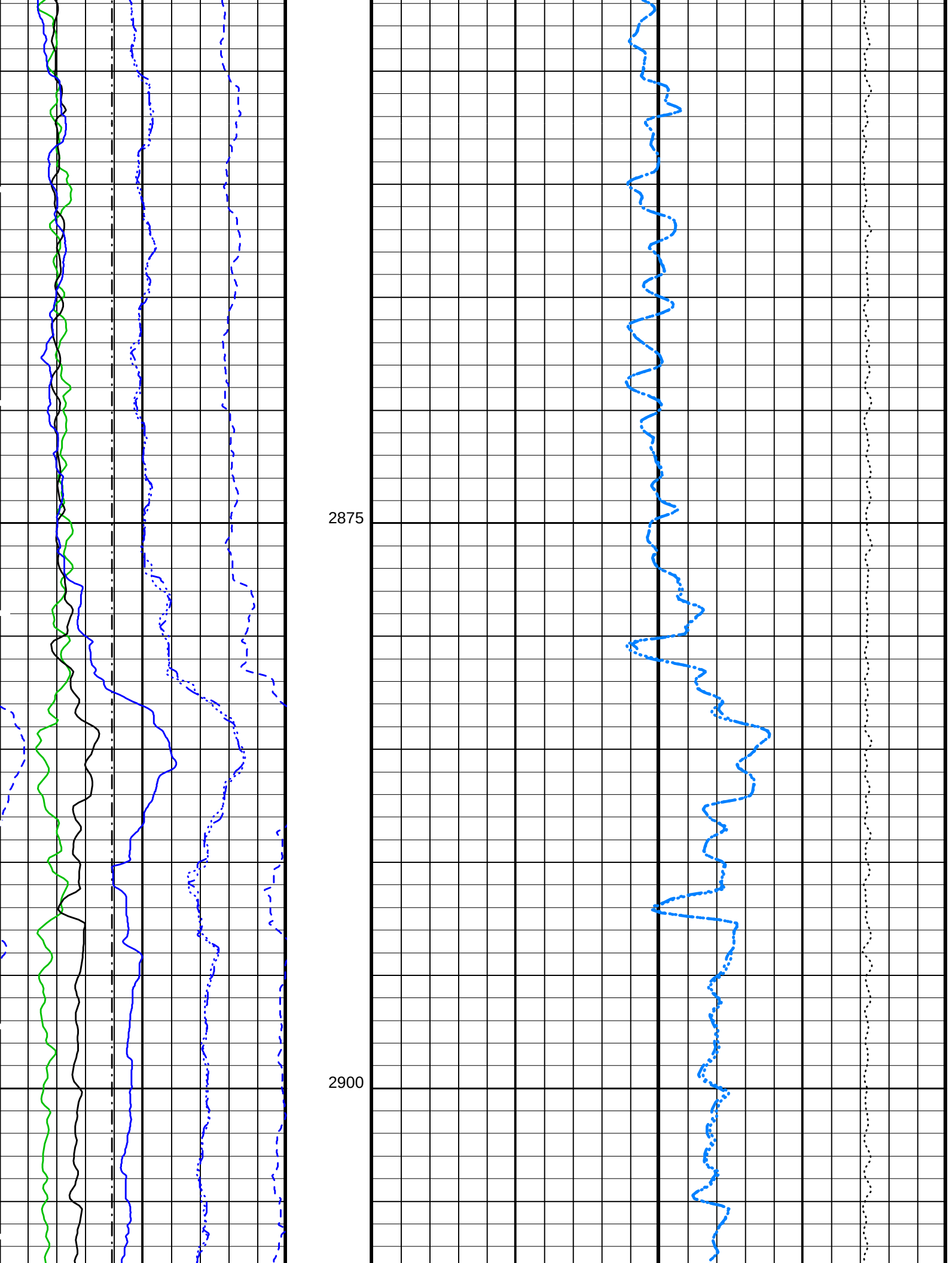
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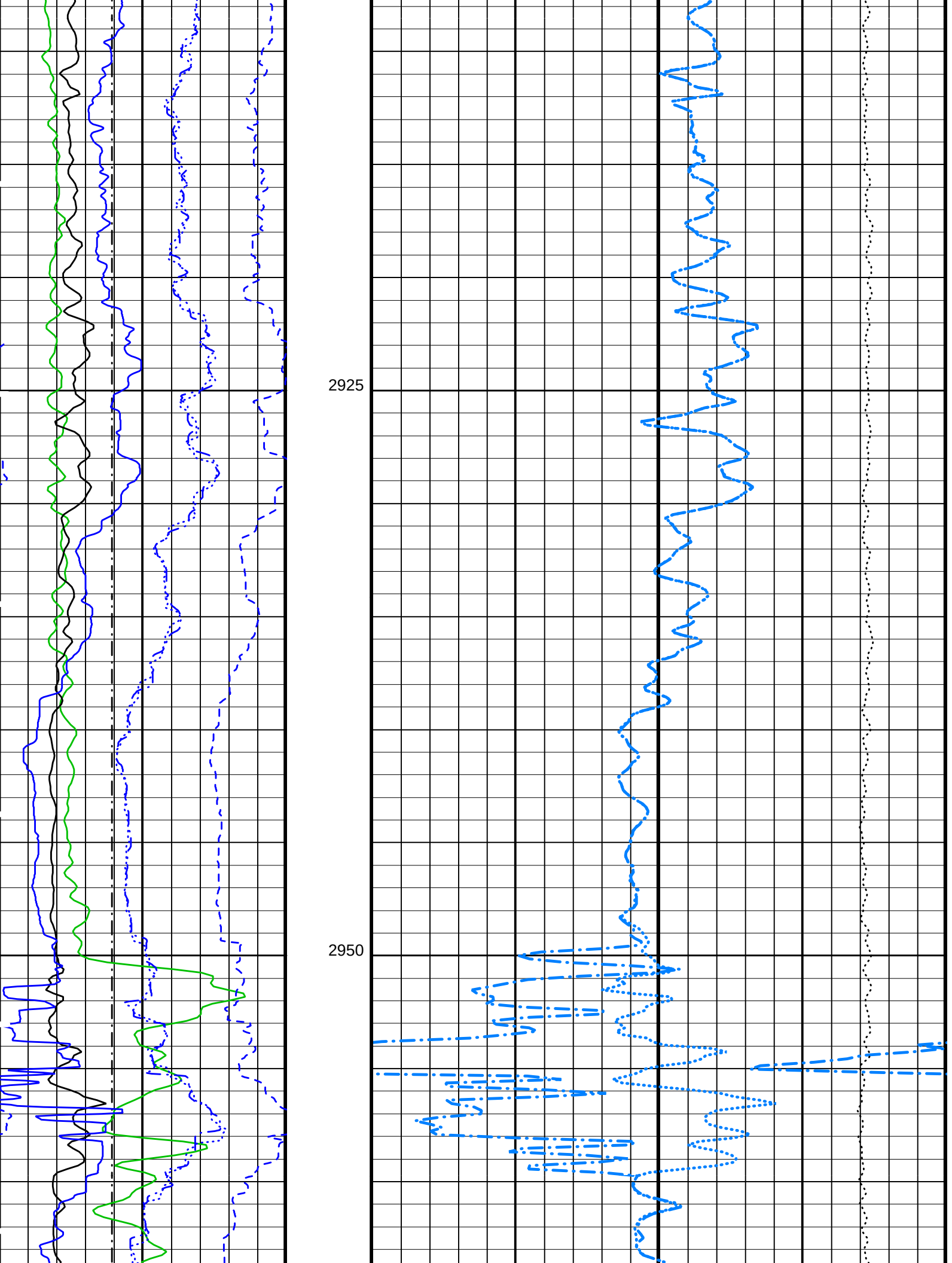
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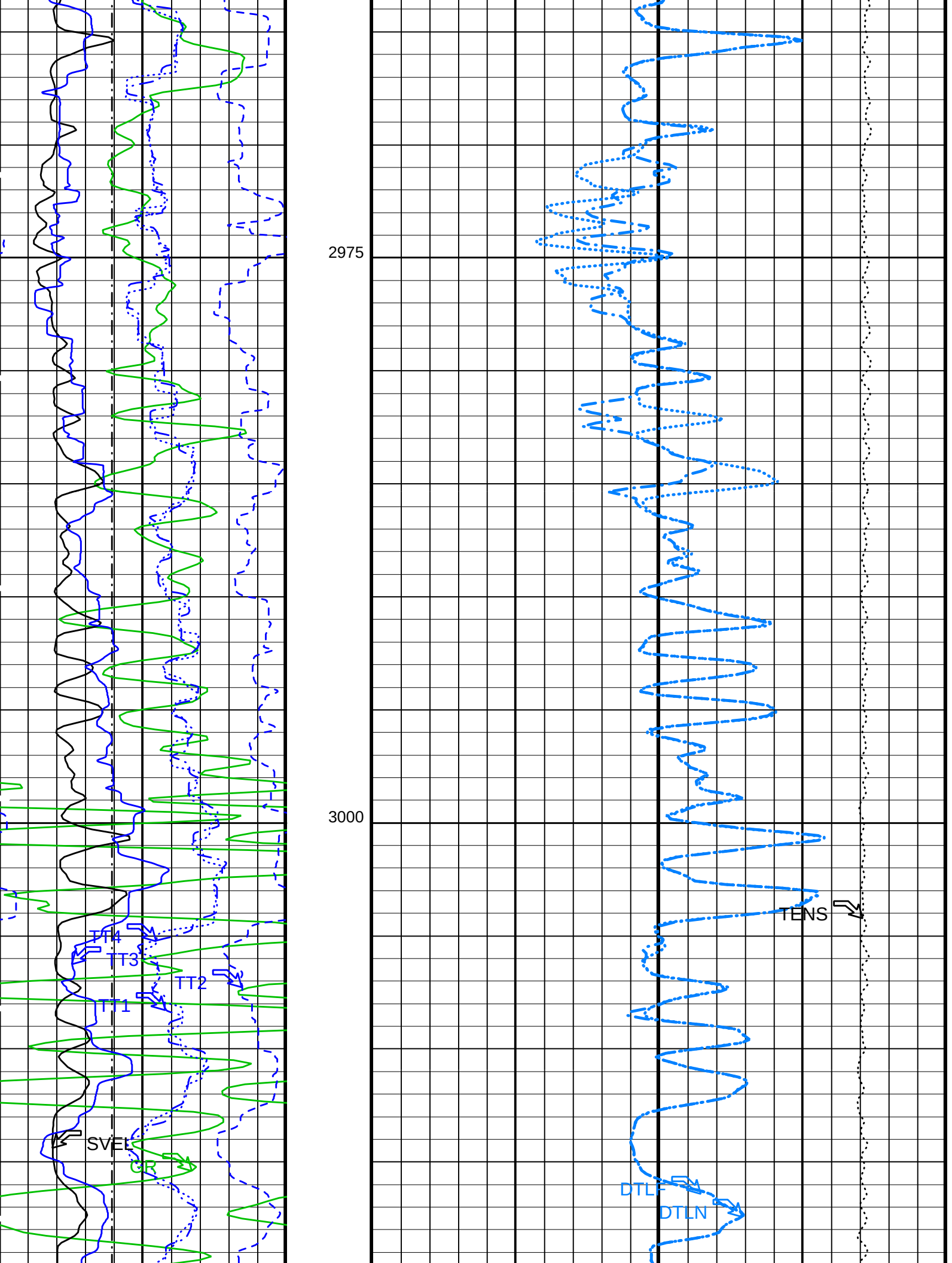
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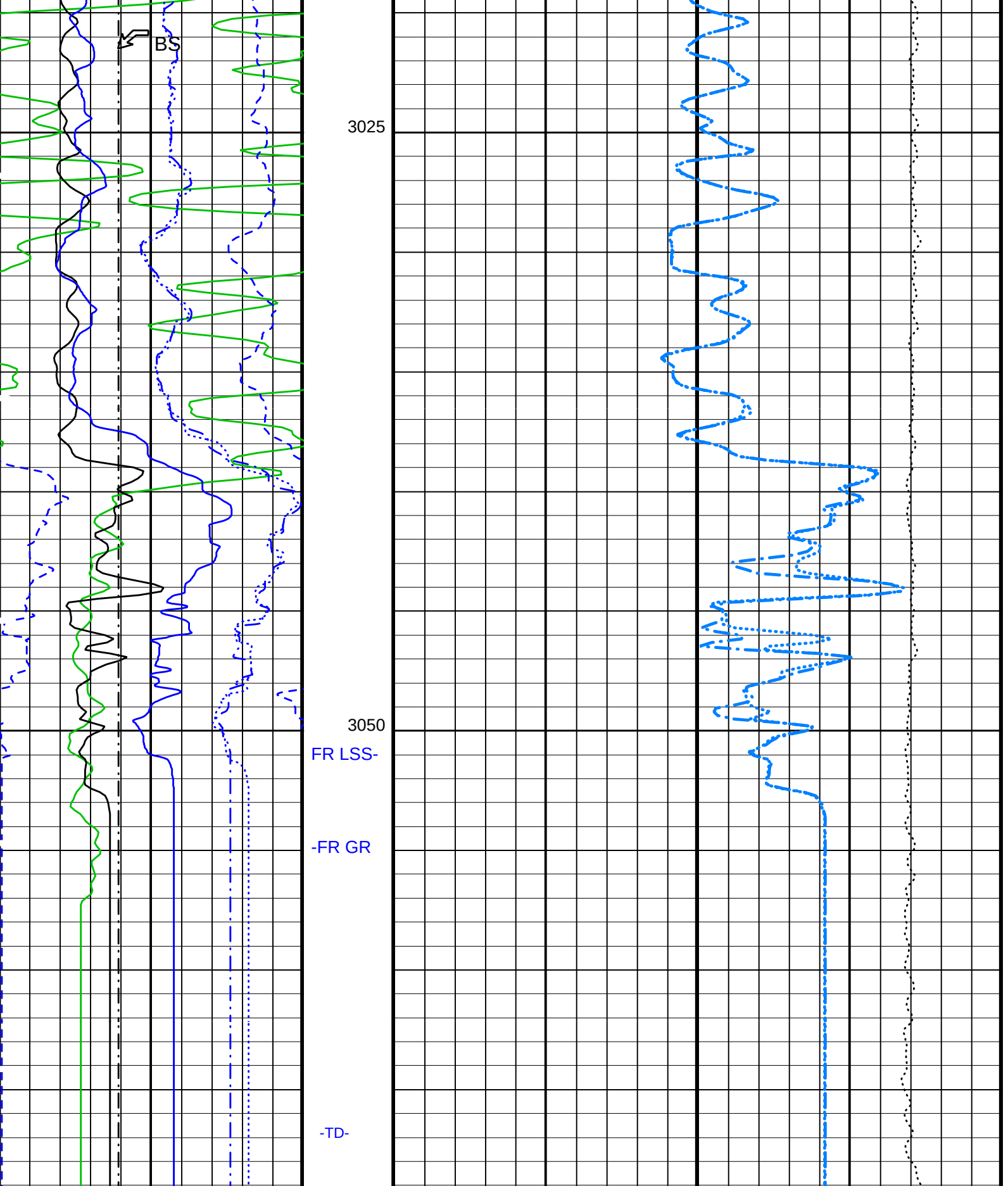
TT4
TT3
TT2
TT1
SVEL
GR
TENS
DTLF
DTLN



Bit Size (BS)
6 (IN) 16

Gamma Ray (GR)
0 (GAPI) 150

Sonic Velocity (SVEL)
1000 (M/S) 6000

Delta-T Long Spacing Near (DTLN)
250 (US/F) 50

Delta-T Long Spacing Far (DTLF)
250 (US/F) 50

Tension (TENS)
10000 (LBF) 0

1000	(M/S)	6000

Pass #1

10000	(LBF)	0

Transit Time 1 (TT1)		
1200	(US)	200
Transit Time 2 (TT2)		
1200	(US)	200
Transit Time 3 (TT3)		
1200	(US)	200
Transit Time 4 (TT4)		
1200	(US)	200

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	DSLT-FTB: Digitizing Sonic Logging Tool		
	DSLT Firing Mode	LDDB	
	Telemetry Mode	DSLC_FTB	
DDEL	Digitizing Delay	0	US
DFAD_TYPE	DFAD type	DFAD2	
DIVL	DSLT Depth Sampling Interval	20	
DRCS	DSLT DLIS Recording Size	250	
DSIN	Digitizing Sample Interval	10	
DTFS	DSLC Telemetry Frame Size	536	
DWCO	Digitizing Word Count	250	
GAI	Manual Gain	40	
MAHTR	Manual High Threshold Reference	40	
MGAI	Maximum Gain	60	
MNHTR	Minimum High Threshold Reference	30	
NMSG	Near Minimum Sliding Gate	430	US
NMXG	Near Maximum Sliding Gate	2190	US
RATE	Firing Rate	R15	
SFAF	Sonic Formation Attenuation Factor	16	DB/M
SGCL	Sliding Gate Closing Delta-T	200	US/F
SGDT	Sliding Gate Delta-T	60	US/F
SGW	Sliding Gate Width	140	US
SLEV	Signal Level for AGC	4000	
WAGC	Waveform AGC Allow/Disallow	OFF	
WMOD	Waveform Firing Mode	FULL	
	System and Miscellaneous		
BS	Bit Size	9.875	IN

Format: SONI Vertical Scale: 1:200 Graphics File Created: 12-Feb-2003 08:17

OP System Version: 10C0-306

MCM

MEST-B	10C0-306	DTA-A	10C0-306
SGT-N	10C0-306	DSLT-FTB	OP10-KP1
DTC-H	10C0-306		

Output DLIS Files

DEFAULT	FMS_SONIC_016LUP	FN:23	PRODUCER	12-Feb-2003 08:17		
REDUCE	FMS_SONIC_016LUP	FN:24	PRODUCER	12-Feb-2003 08:17		

Output DLIS Files

DEFAULT	FMS_SONIC_017LUP	FN:25	PRODUCER	12-Feb-2003 09:22	3068.9 M	2634.1 M
REDUCE	FMS_SONIC_017LUP	FN:26	PRODUCER	12-Feb-2003 09:22	3068.9 M	2634.1 M

OP System Version: 10C0-306

MCM

MEST-B	10C0-306	DTA-A	10C0-306
SGT-N	10C0-306	DSLT-FTB	OP10-KP1
DTC-H	10C0-306		

PIP SUMMARY

PIP SUMMARY

Time Mark Every 60 S

Transit Time 4 (TT4)
1200 (US) 200

Transit Time 3 (TT3)
1200 (US) 200

Transit Time 2 (TT2)
1200 (US) 200

Transit Time 1 (TT1)
1200 (US) 200

Sonic Velocity (SVEL)
1000 (M/S) 6000

Gamma Ray (GR)
0 (GAPI) 150

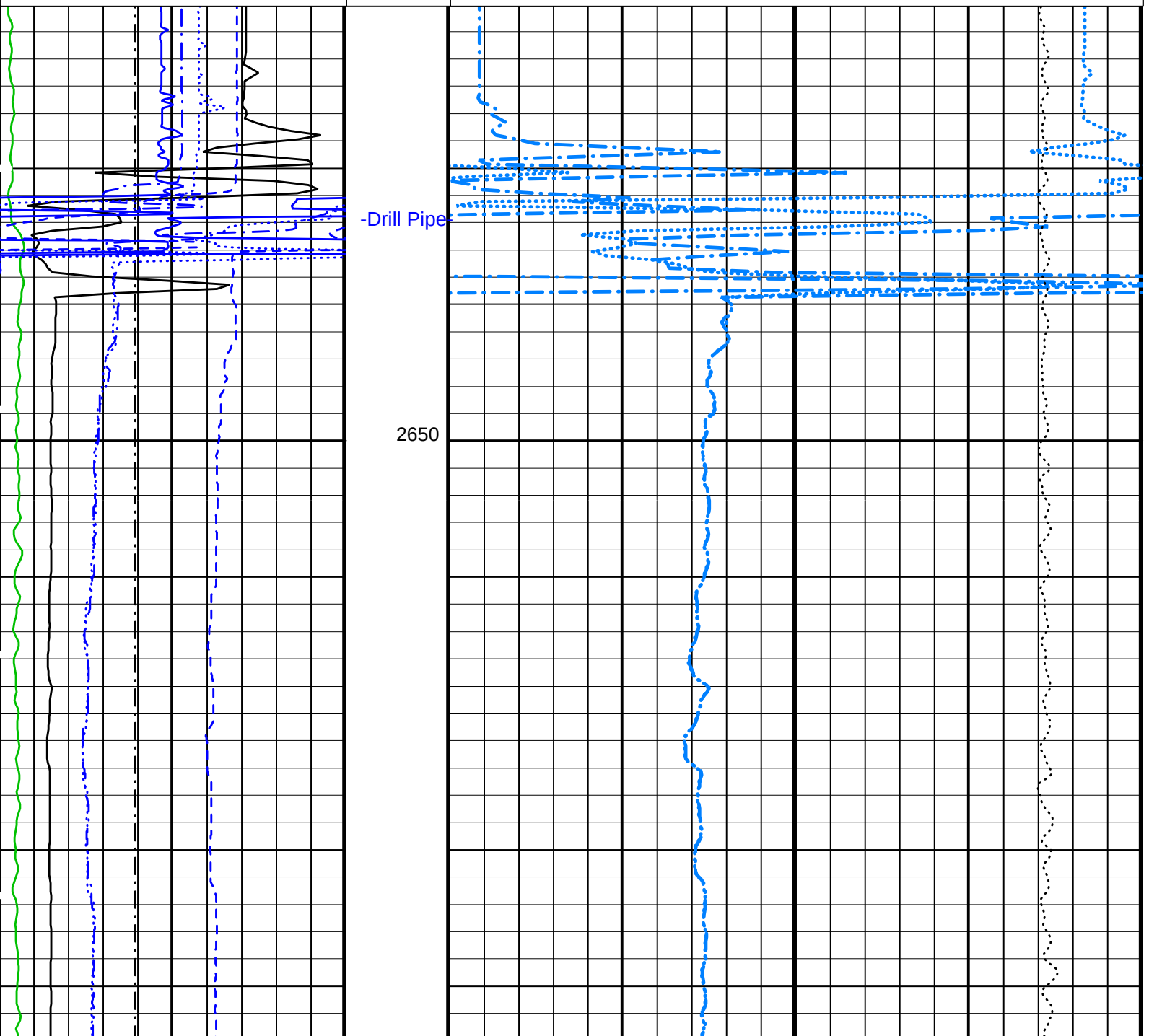
Bit Size (BS)
6 (IN) 16

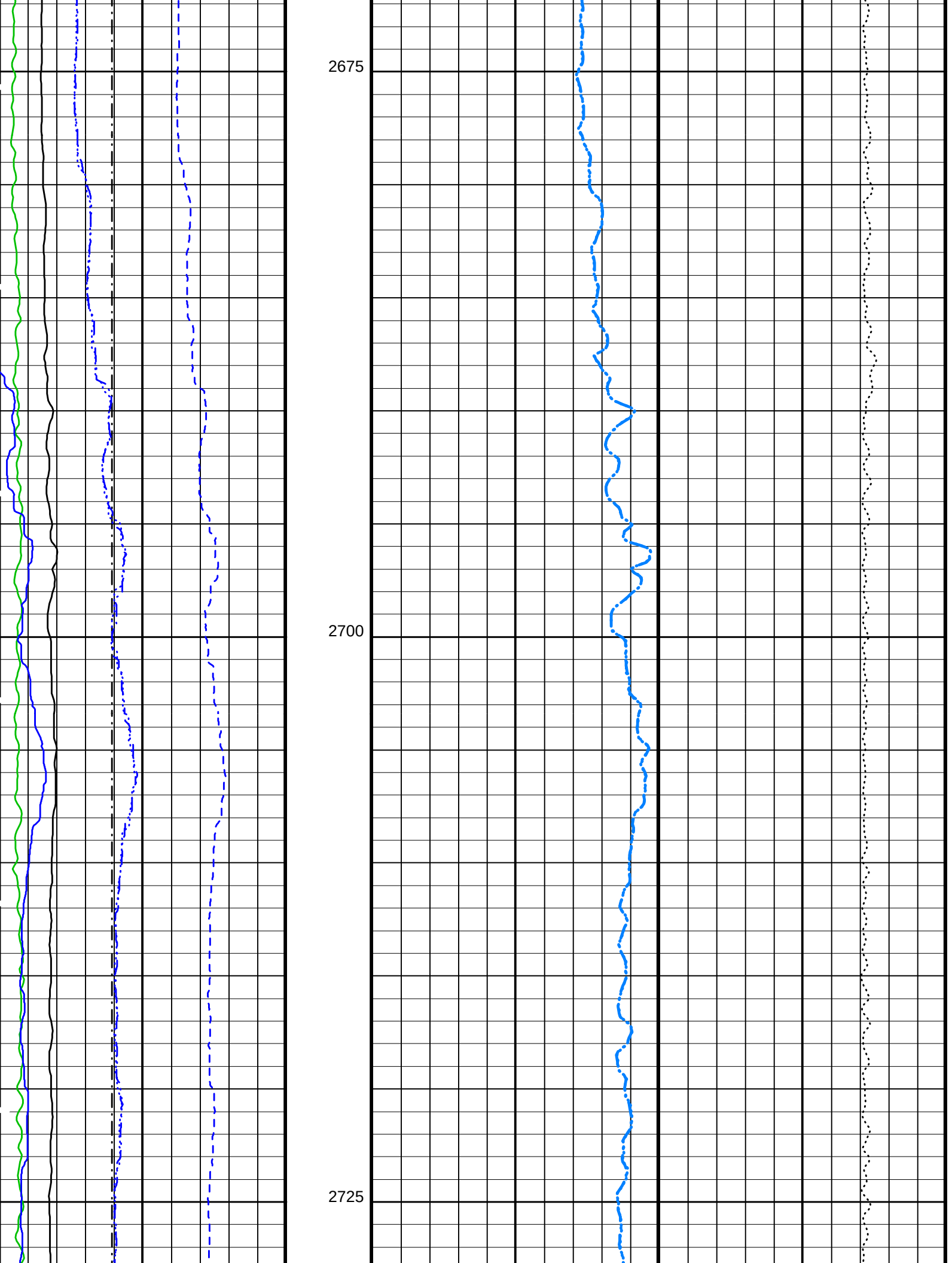
Pass #2

Tension (TENS)
10000 (LBF) 0

Delta-T Long Spacing Far (DTLF)
250 (US/F) 50

Delta-T Long Spacing Near (DTLN)
250 (US/F) 50

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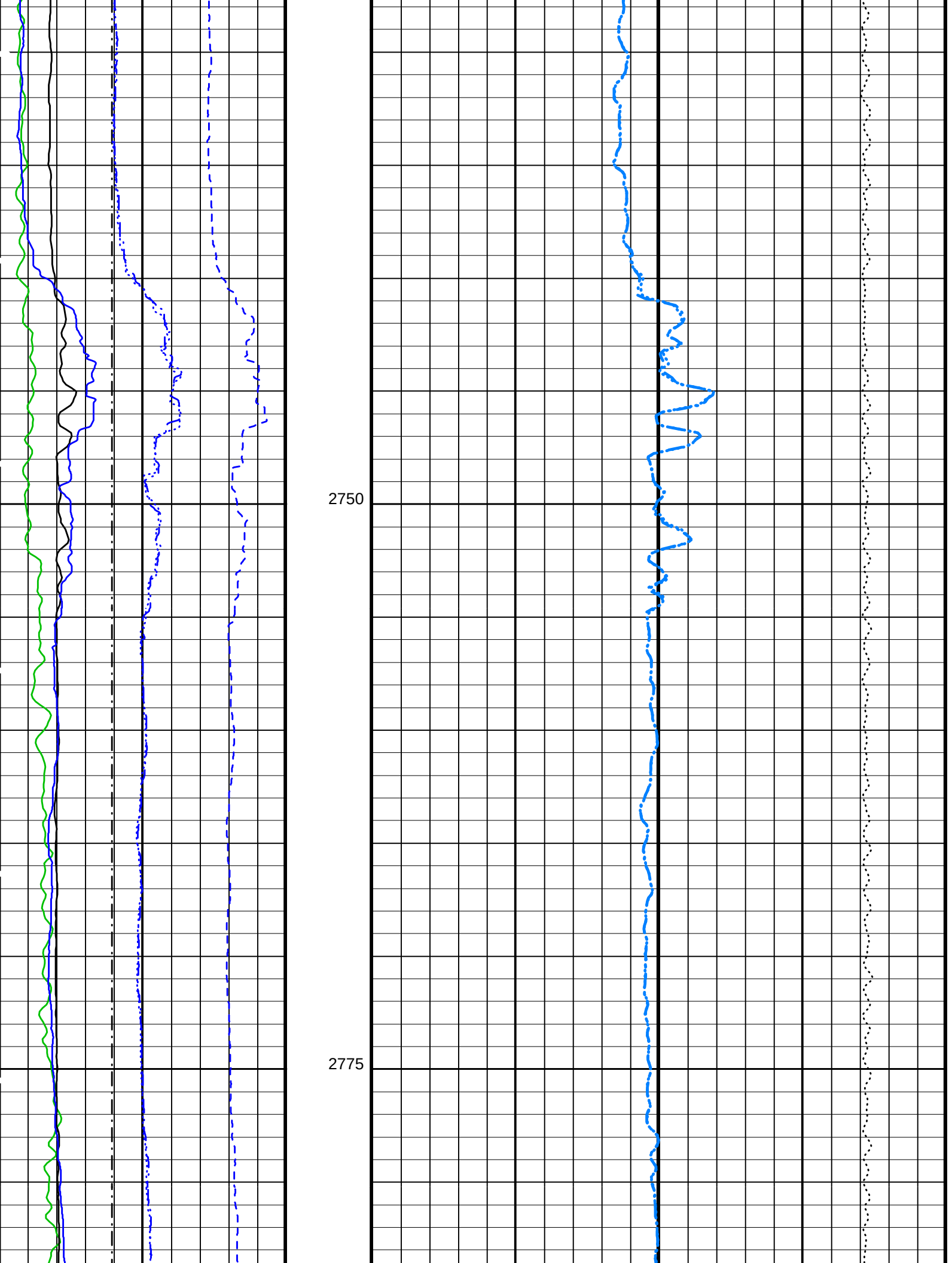
2700
2725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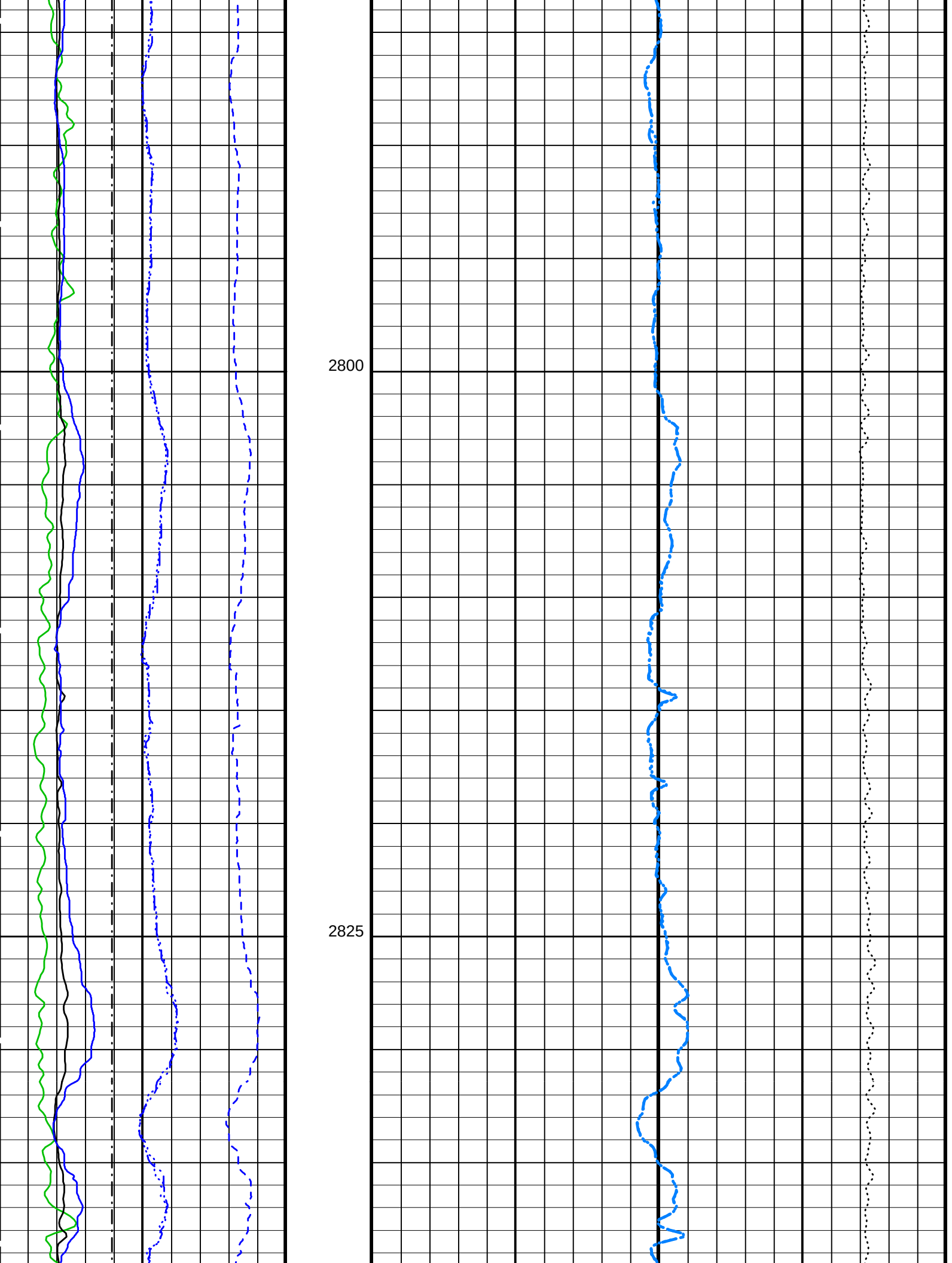
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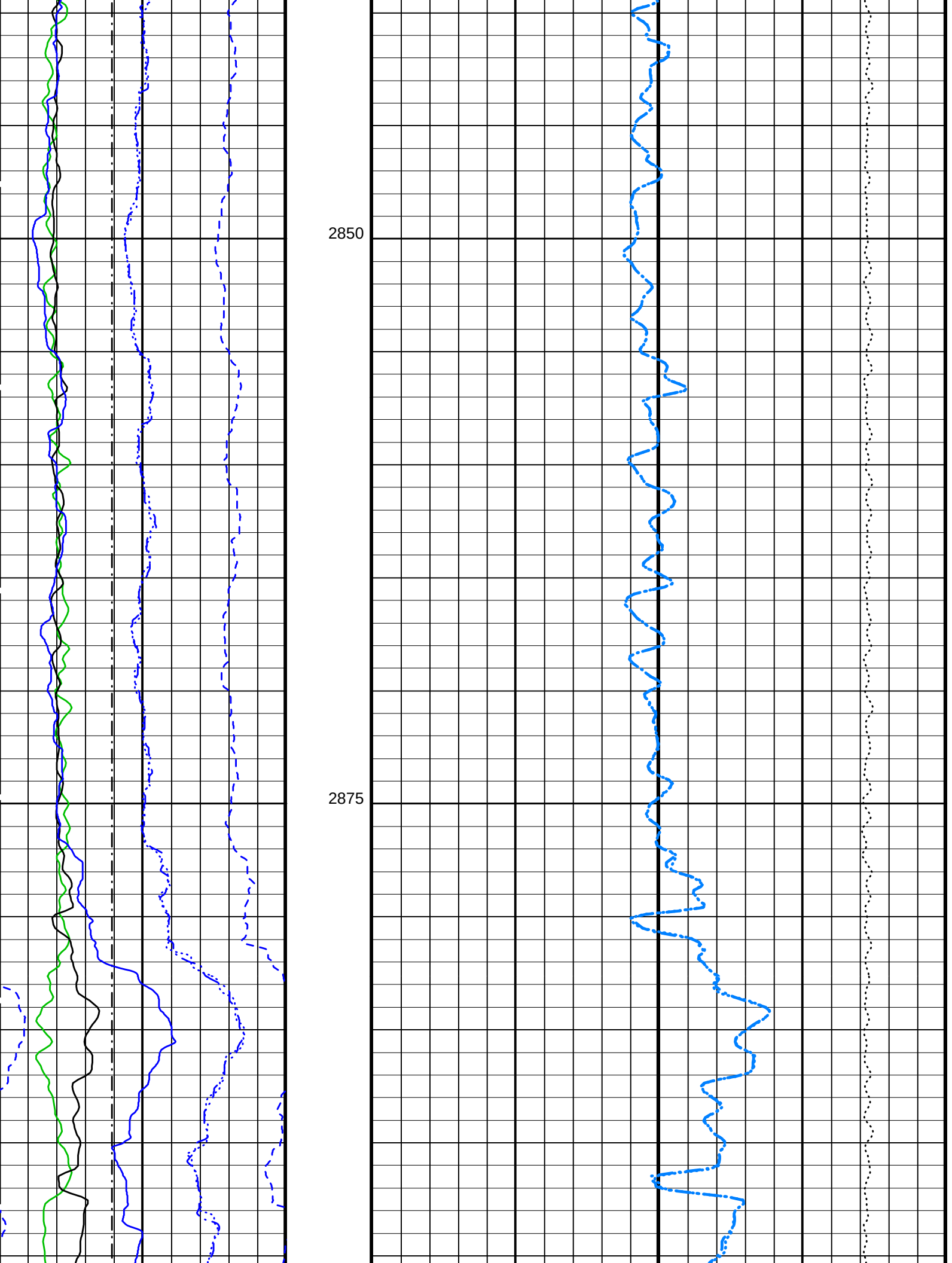
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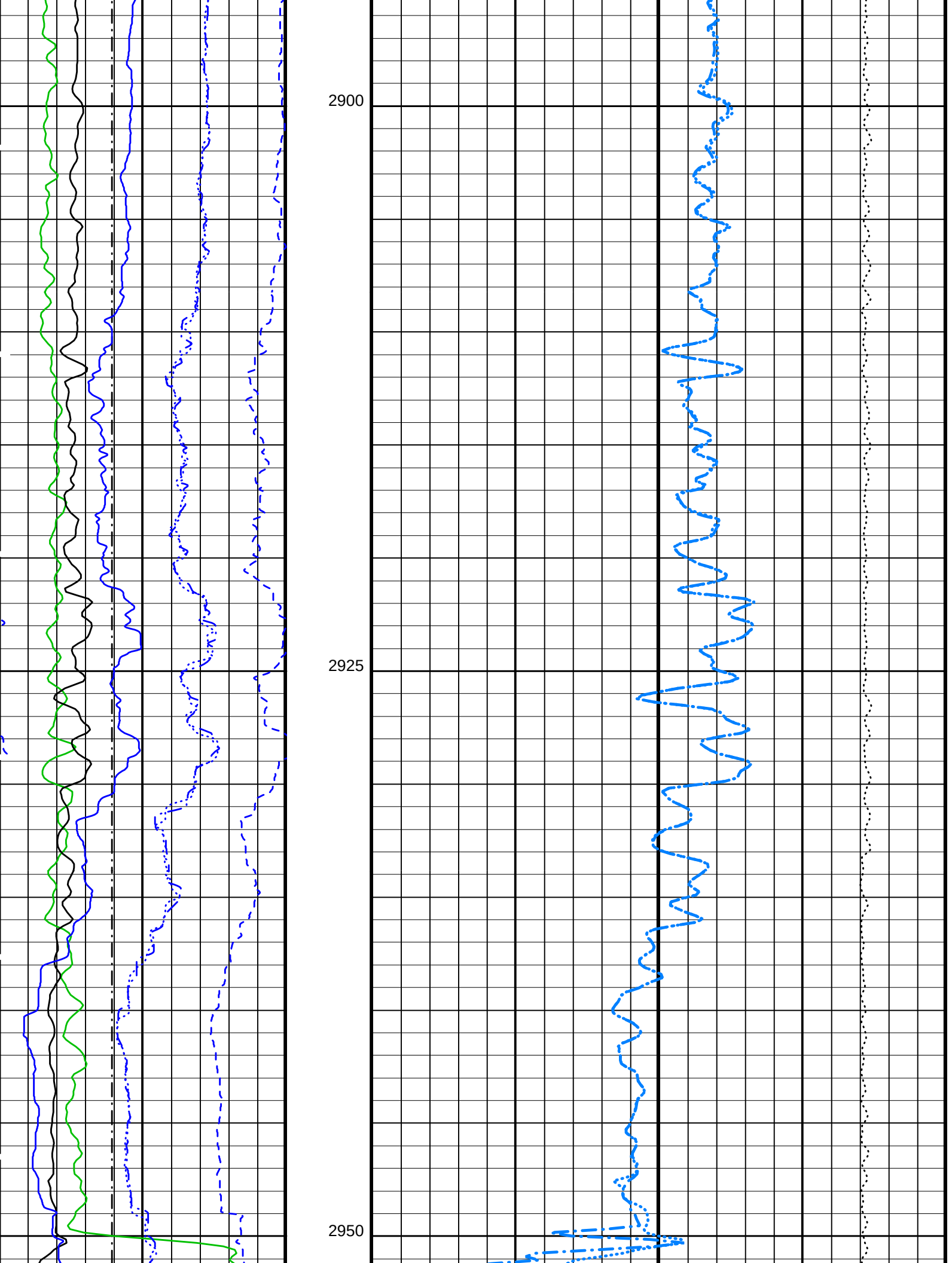
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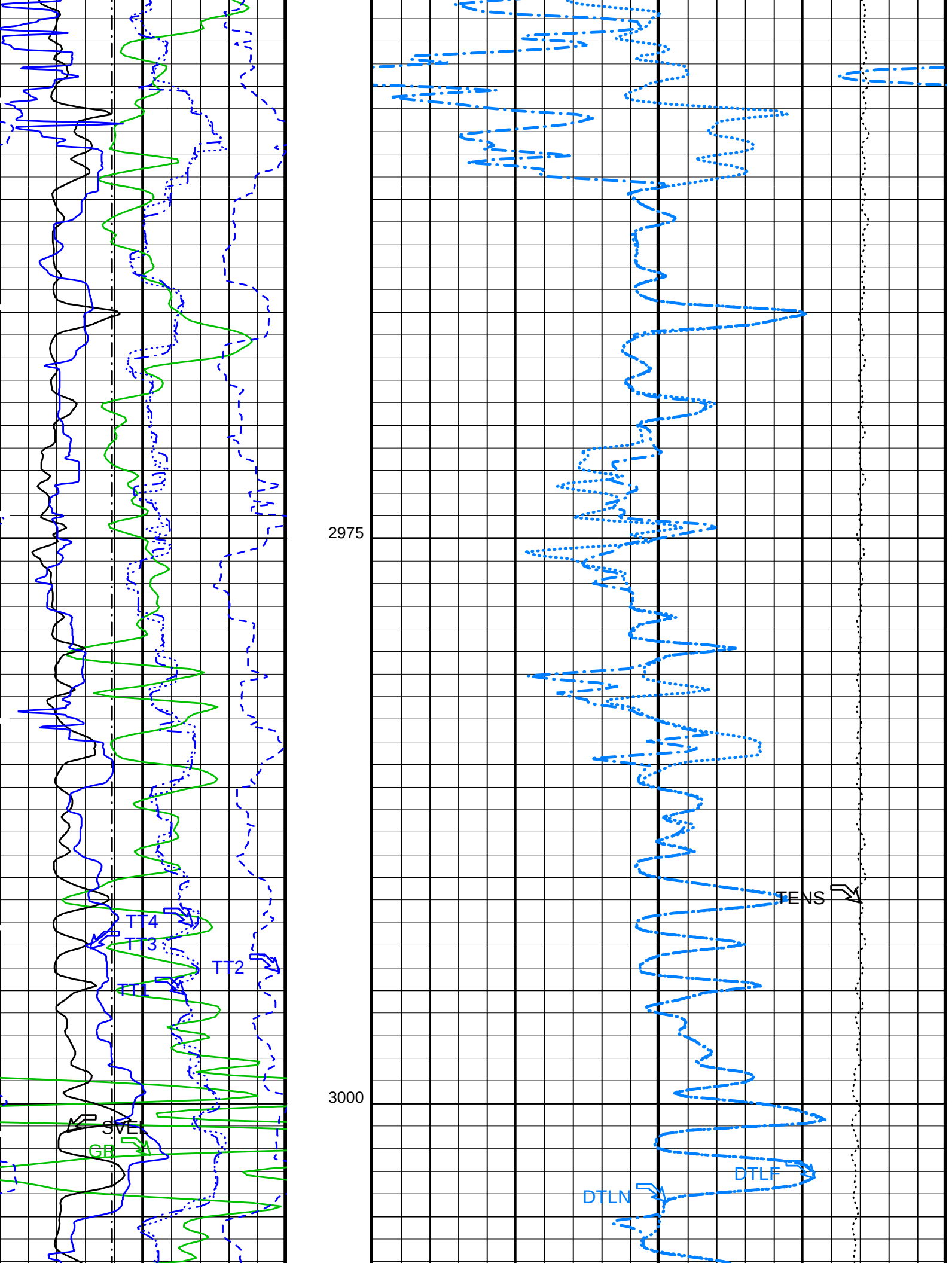
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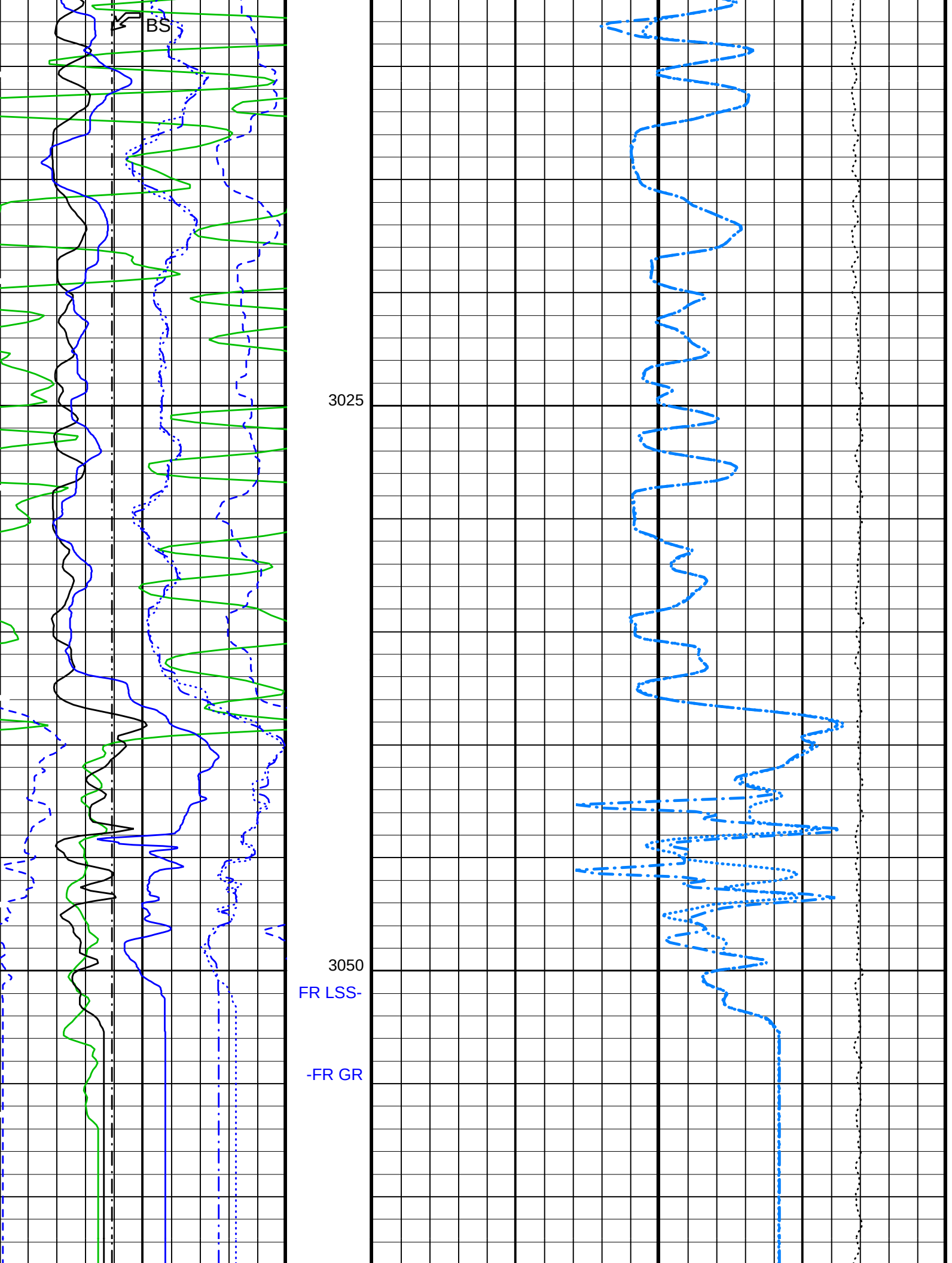
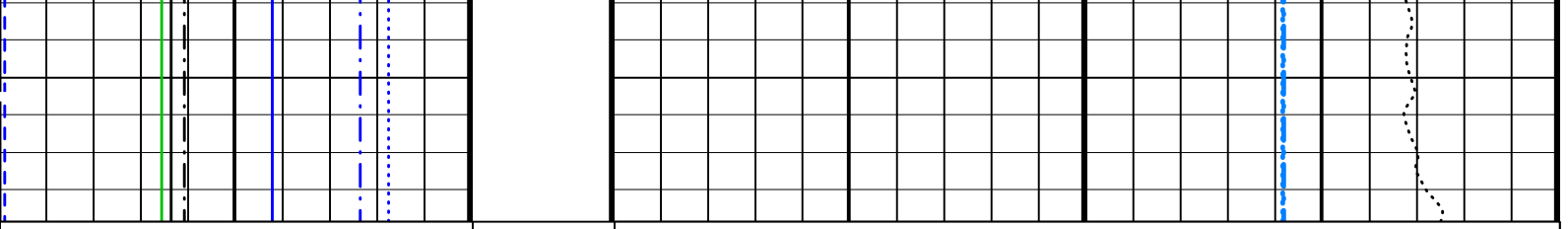
TT4
TT3
TT2
TT1
SVEL
GR
TENS
DTLF
DTLN


BS
3025
3050
FR LSS-
-FR GR



Bit Size (BS)
6 (IN) 16

Gamma Ray (GR)
0 (GAPI) 150

Sonic Velocity (SVEL)
1000 (M/S) 6000

Transit Time 1 (TT1)
1200 (US) 200

Transit Time 2 (TT2)
1200 (US) 200

Transit Time 3 (TT3)
1200 (US) 200

Transit Time 4 (TT4)
1200 (US) 200

Delta-T Long Spacing Near (DTLN)
250 (US/F) 50

Delta-T Long Spacing Far (DTLF)
250 (US/F) 50

Pass #2

Tension (TENS)
10000 (LBF) 0

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	DSLT-FTB: Digitizing Sonic Logging Tool		
	DSLT Firing Mode	LDDB	
	Telemetry Mode	DSLC_FTB	
DDEL	Digitizing Delay	0	US
DFAD_TYPE	DFAD type	DFAD2	
DIVL	DSLT Depth Sampling Interval	20	
DRCS	DSLT DLIS Recording Size	250	
DSIN	Digitizing Sample Interval	10	
DTFS	DSLC Telemetry Frame Size	536	
DWCO	Digitizing Word Count	250	
GAI	Manual Gain	40	
MAHTR	Manual High Threshold Reference	40	
MGAI	Maximum Gain	60	
MNHTR	Minimum High Threshold Reference	30	
NMSG	Near Minimum Sliding Gate	430	US
NMXG	Near Maximum Sliding Gate	2190	US
RATE	Firing Rate	R15	
SFAF	Sonic Formation Attenuation Factor	16	DB/M
SGCL	Sliding Gate Closing Delta-T	200	US/F
SGDT	Sliding Gate Delta-T	60	US/F
SGW	Sliding Gate Width	140	US
SLEV	Signal Level for AGC	4000	
WAGC	Waveform AGC Allow/Disallow	OFF	
WMOD	Waveform Firing Mode	FULL	
	System and Miscellaneous		
BS	Bit Size	9.875	IN

Format: SONI Vertical Scale: 1:200 Graphics File Created: 12-Feb-2003 09:22

OP System Version: 10C0-306

MCM

MEST-B	10C0-306	DTA-A	10C0-306
SGT-N	10C0-306	DSLT-FTB	OP10-KP1
DTC-H	10C0-306		

Output DLIS Files

DEFAULT	FMS_SONIC_017LUP	FN:25	PRODUCER	12-Feb-2003 09:22
REDUCE	FMS_SONIC_017LUP	FN:26	PRODUCER	12-Feb-2003 09:22

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
Micro Electrical Scanner - B (Slim) Wellsite Calibration - Caliper Calibration							
Before: Calibration out of date 13-Jan-2003 8:27							
Caliper 1 Zero Measurement	12.00	N/A	12.79	N/A	N/A	N/A	IN
Caliper 2 Zero Measurement	12.00	N/A	12.83	N/A	N/A	N/A	IN
Caliper 1 Plus Measurement	15.00	N/A	15.78	N/A	N/A	N/A	IN
Caliper 2 Plus Measurement	15.00	N/A	15.84	N/A	N/A	N/A	IN
Micro Electrical Scanner - B (Slim) Wellsite Calibration - CROUZET ACCELEROMETER PROM HAS BEEN READ CORRECTLY							
Before: 12-Feb-2003 6:31							
TEMPERATURE REFERENCE :	N/A	N/A	20	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	92	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	10	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	448	N/A	N/A	N/A	
Micro Electrical Scanner - B (Slim) Wellsite Calibration - CROUZET MAGNETOMETER PROM HAS BEEN READ CORRECTLY							
Before: 12-Feb-2003 6:31							
TEMPERATURE REFERENCE :	N/A	N/A	19	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	99	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	12	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	428	N/A	N/A	N/A	
Scintillation Gamma-Ray - N Wellsite Calibration - Detector Calibration							
Before: Calibration out of date 14-Jan-2003 17:22							
Gamma Ray (Jig - Bkg)	163.9	N/A	163.9	N/A	N/A	14.90	GAPI
Gamma Ray (Calibrated)	165.0	N/A	165.0	N/A	N/A	15.00	GAPI

Micro Electrical Scanner - B (Slim) / Equipment Identification

Primary Equipment:		
MEST Sonde - B	MEDS - B	771
MEST Preamplifier Cartridge - AB	MEPC - AB	
GPIT Cartridge - A	GPIC - A	719
MEST Acquisition Cartridge - A	MEAC - A	833
Auxiliary Equipment:		
MEST-B Preamplifier Cartridge Housing	MEPH - A	702
MEST Acquisition Cartridge Housing (Slim	MEAH - B	701

Scintillation Gamma-Ray - N / Equipment Identification

Primary Equipment:		
Scintillation Gamma Cartridge	SGC - TB	9585
Scintillation Gamma Detector	SGD - TAA	
Auxiliary Equipment:		
Scintillation Gamma Housing	SGH - K	2450
Gamma Source Radioactive	GSR - U/Y	

Scintillation Gamma-Ray - N Wellsite Calibration
Detector Calibration

Phase	Gamma Ray Background GAPI	Value	Phase	Gamma Ray (Jig - Bkg) GAPI	Value	Phase	Gamma Ray (Calibrated) GAPI	Value
Before		4.177	Before		163.9	Before		165.0
	0 (Minimum) 30.00 (Nominal) 120.0 (Maximum)			149.0 (Minimum) 163.9 (Nominal) 178.8 (Maximum)			150.0 (Minimum) 165.0 (Nominal) 180.0 (Maximum)	

Before: Calibration out of date 14-Jan-2003 17:22

Company:	Lamont Doherty
Well:	ODP Leg 207 Site 1260B
Field:	Demarara Rise
Country:	Venezuela
Ocean:	Atlantic

Schlumberger

Long Spaced Sonic
Gamma Ray