

DISCLAIMER
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OTHER SERVICES1
 OS1: DITE/GPIT/HLDS/HNGS
 OS2: MSS/Caliper/HNGS
 OS3:
 OS4:
 OS5:

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

REMARKS: RUN NUMBER 1

REMARKS: RUN NUMBER 2

HNGS Master Calibration out of date. Calibration source required onboard before a new calibration can be made. All HNGS data can be reprocessed with the new calibration once this calibration is made after the expedition.

320T transit testing expedition tested the new Active Heave Compensator for wire line. Data recorded does not reflect the 5 m difference in AHC retracted to compensation position. All recorded depths do not reflect the -5m that was experienced below drill pipe. AHC was activated below drill pipe only.

FMS data acquired with constant emex voltage, 50v pass1, 70v pass 2. FMS data processed by LDEO Geoframe. This log for LQC only.

RUN 1

SERVICE ORDER #:
 PROGRAM VERSION: 17C0-154
 FLUID LEVEL:

RUN 2

SERVICE ORDER #:
 PROGRAM VERSION:
 FLUID LEVEL:

LOGGED INTERVAL	START	STOP

LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1

SURFACE EQUIPMENT

GSR-U 1154
 WITM (DTS)-A

RUN 2

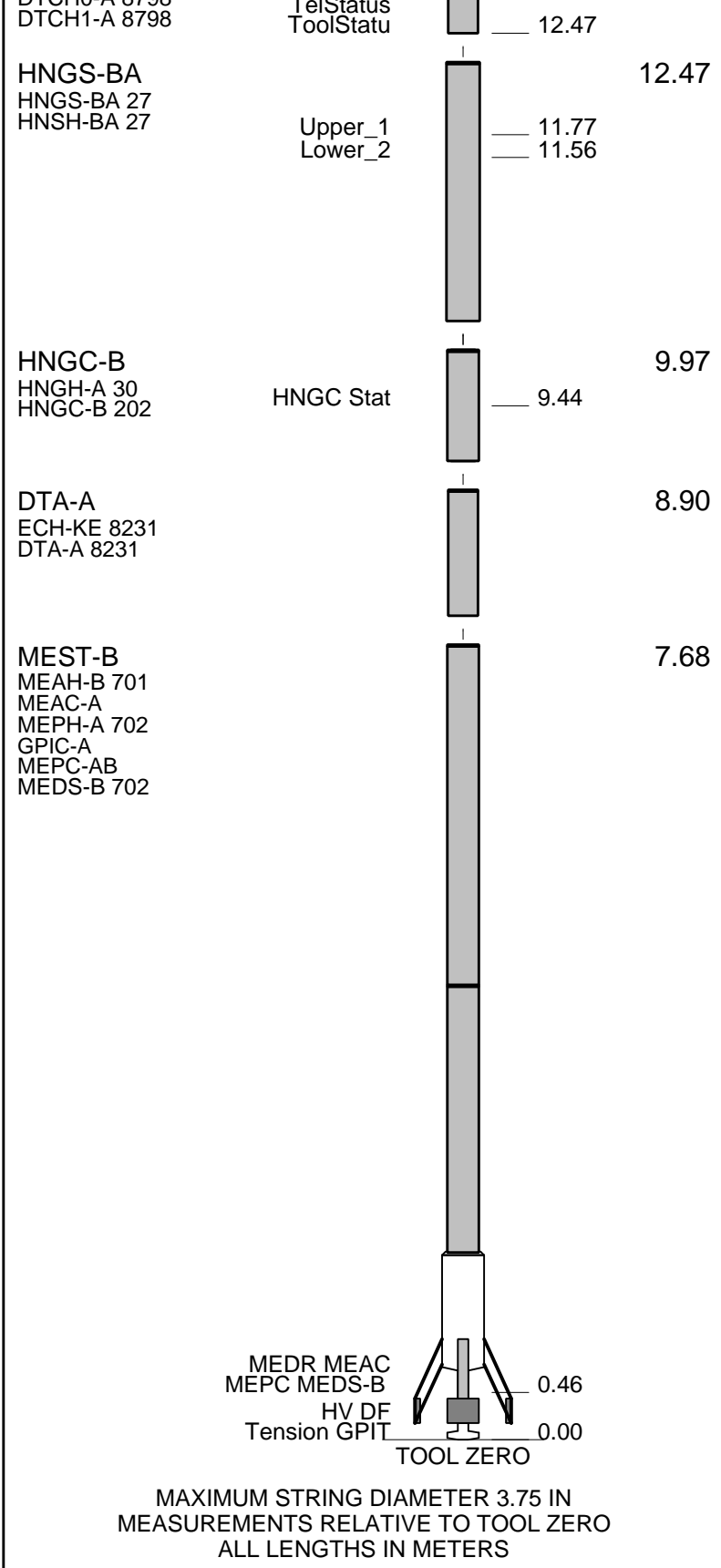
DOWNHOLE EQUIPMENT

LEH-QT 14.27
 LEH-QT 1726

DTC-H 13.38
 ECH-KC 1777
 DTCH0-A 8798



CTEM 13.10

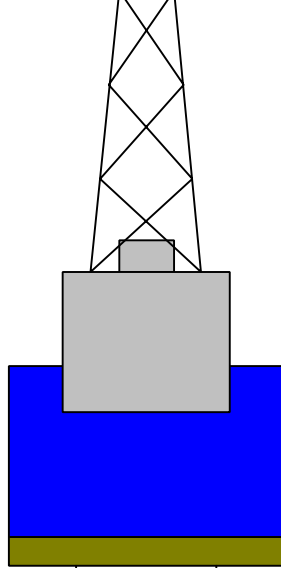


Production String	(in)	(M)	Well Schematic	(M)	(in)	Casing String
	OD	ID		MD	MD	

Kelly Bushing Elevation
Derrick Floor Elevation

Mean Sea Level

11.0
11.0
0.0



0.0 5.000

Casing String



2816 9.875
2912 5.0
3370

Borehole Segment
Casing Shoe

Input DLIS Files

DEFAULT	FMS_NGS_059LUP	FN:92	PRODUCER	18-Feb-2009 09:35	3335.3 M	2920.7 M
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Output DLIS Files

DEFAULT	FMS_NGS_097PUP	FN:153	PRODUCER	03-Mar-2009 18:08	3335.3 M	2920.7 M
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OP System Version: 17C0-154

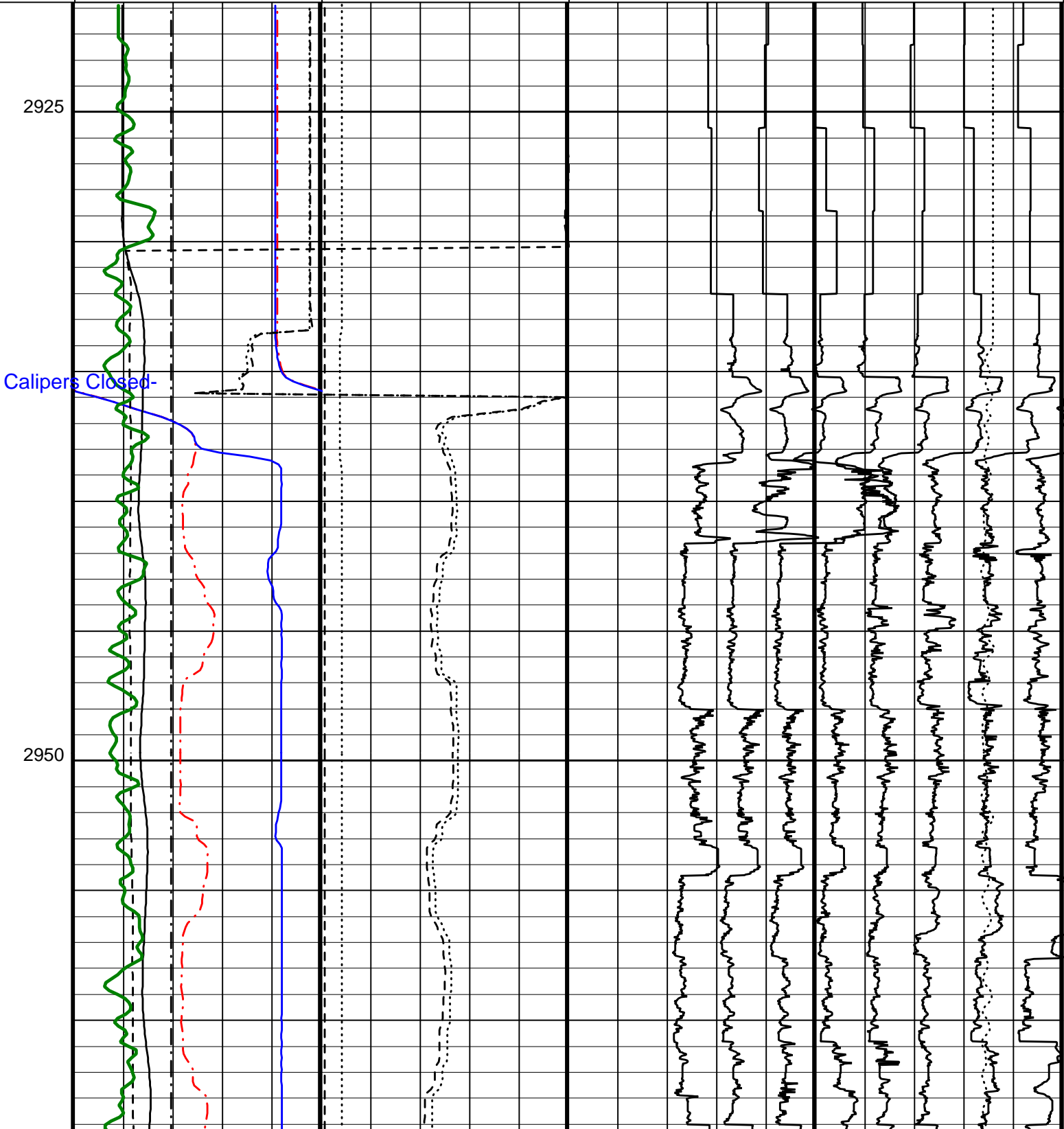
MEST-B	SRPC-3762-Q1_2009_OP17	DTA-A	17C0-154
HNGC-B	17C0-154	HNGS-BA	17C0-154
DTC-H	17C0-154		

PIP SUMMARY

 Time Mark Every 60 S

		Tension (TENS)									
		10000 (LBF)	0								
<table border="1"> <tr> <td>HNGS Spectroscopy Gamma Ray (HSGR)</td> <td>Pass #2</td> </tr> <tr> <td>0 (GAPI) 15</td> <td></td> </tr> </table>		HNGS Spectroscopy Gamma Ray (HSGR)	Pass #2	0 (GAPI) 15		<table border="1"> <tr> <td>Data Button 8 - Varies with RBS (U-MEST_RB8)</td> <td></td> </tr> <tr> <td>-80 (---) 20</td> <td></td> </tr> </table>		Data Button 8 - Varies with RBS (U-MEST_RB8)		-80 (---) 20	
HNGS Spectroscopy Gamma Ray (HSGR)	Pass #2										
0 (GAPI) 15											
Data Button 8 - Varies with RBS (U-MEST_RB8)											
-80 (---) 20											
<table border="1"> <tr> <td>Relative Bearing (RB_MEST)</td> <td></td> </tr> <tr> <td>-40 (DEG) 360</td> <td></td> </tr> </table>		Relative Bearing (RB_MEST)		-40 (DEG) 360		<table border="1"> <tr> <td>Data Button 7 - Varies with RBS (U-MEST_RB7)</td> <td></td> </tr> <tr> <td>-70 (---) 30</td> <td></td> </tr> </table>		Data Button 7 - Varies with RBS (U-MEST_RB7)		-70 (---) 30	
Relative Bearing (RB_MEST)											
-40 (DEG) 360											
Data Button 7 - Varies with RBS (U-MEST_RB7)											
-70 (---) 30											
<table border="1"> <tr> <td>Pad One Azimuth (P1AZ_MEST)</td> <td></td> </tr> <tr> <td>-40 (DEG) 360</td> <td></td> </tr> </table>		Pad One Azimuth (P1AZ_MEST)		-40 (DEG) 360		<table border="1"> <tr> <td>Data Button 6 - Varies with RBS (U-MEST_RB6)</td> <td></td> </tr> <tr> <td>-60 (---) 40</td> <td></td> </tr> </table>		Data Button 6 - Varies with RBS (U-MEST_RB6)		-60 (---) 40	
Pad One Azimuth (P1AZ_MEST)											
-40 (DEG) 360											
Data Button 6 - Varies with RBS (U-MEST_RB6)											
-60 (---) 40											

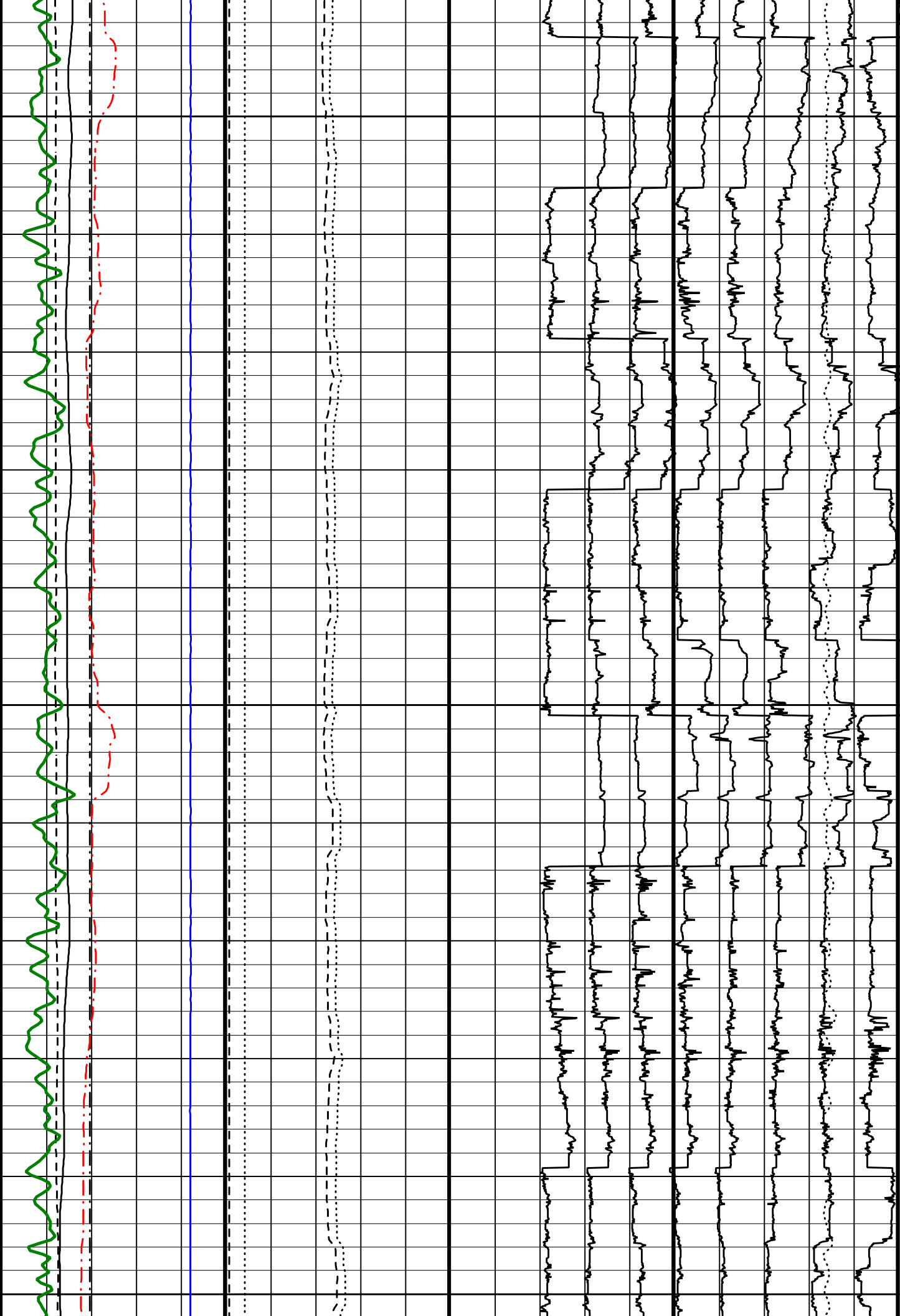
Hole Azimuth (HAZIM) (DEG)		Data Button 5 - Varies with RBS (U-MEST_RB5)	
-40	360	-50	50
Deviation (DEVIM) (DEG)		Data Button 4 - Varies with RBS (U-MEST_RB4)	
0	10	-40	60
Caliper 2 (C2) (IN)		Data Button 3 - Varies with RBS (U-MEST_RB3)	
6	16	-30	70
Caliper 1 (C1) (IN)		EMEX Intensity (EI) (AMPS)	
6	16	0	10
Bit Size (BS) (IN)		EMEX Voltage (EV) (V)	
6	16	0	50
		Data Button 2 - Varies with RBS (U-MEST_RB2)	
		-20	80
		Data Button 1 - Varies with RBS (U-MEST_RB1)	
		-10	90



3025

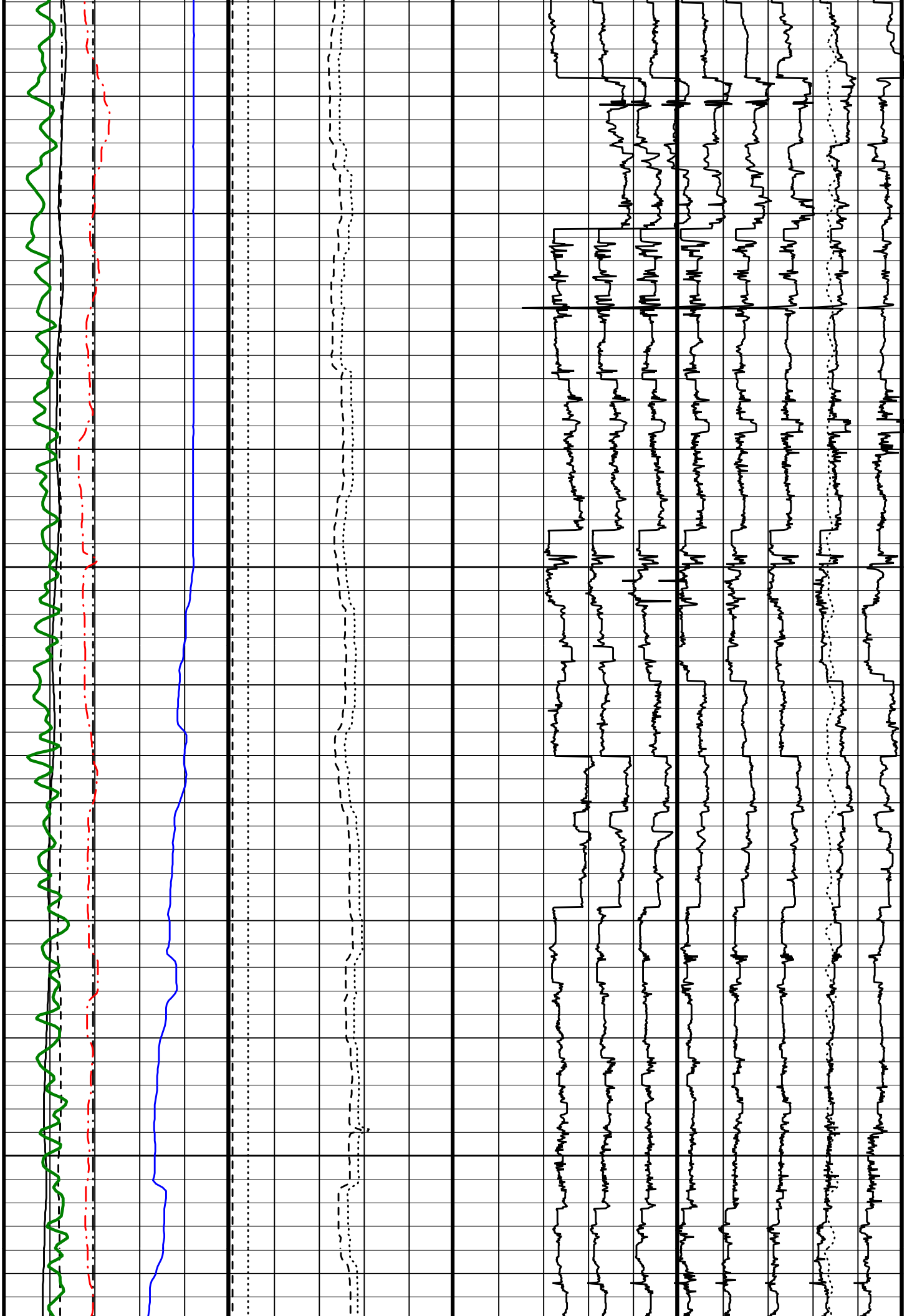
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3075



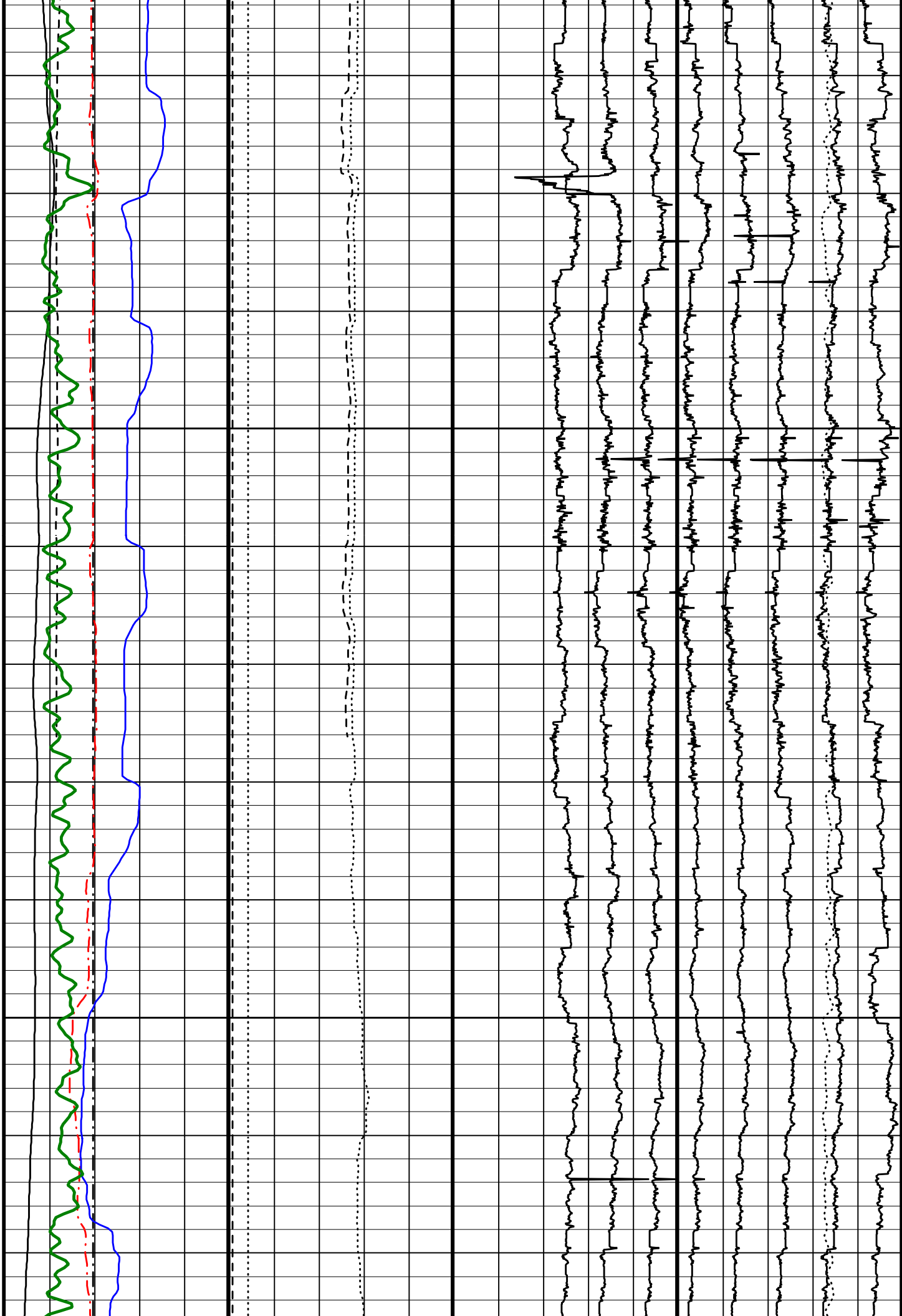
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3125



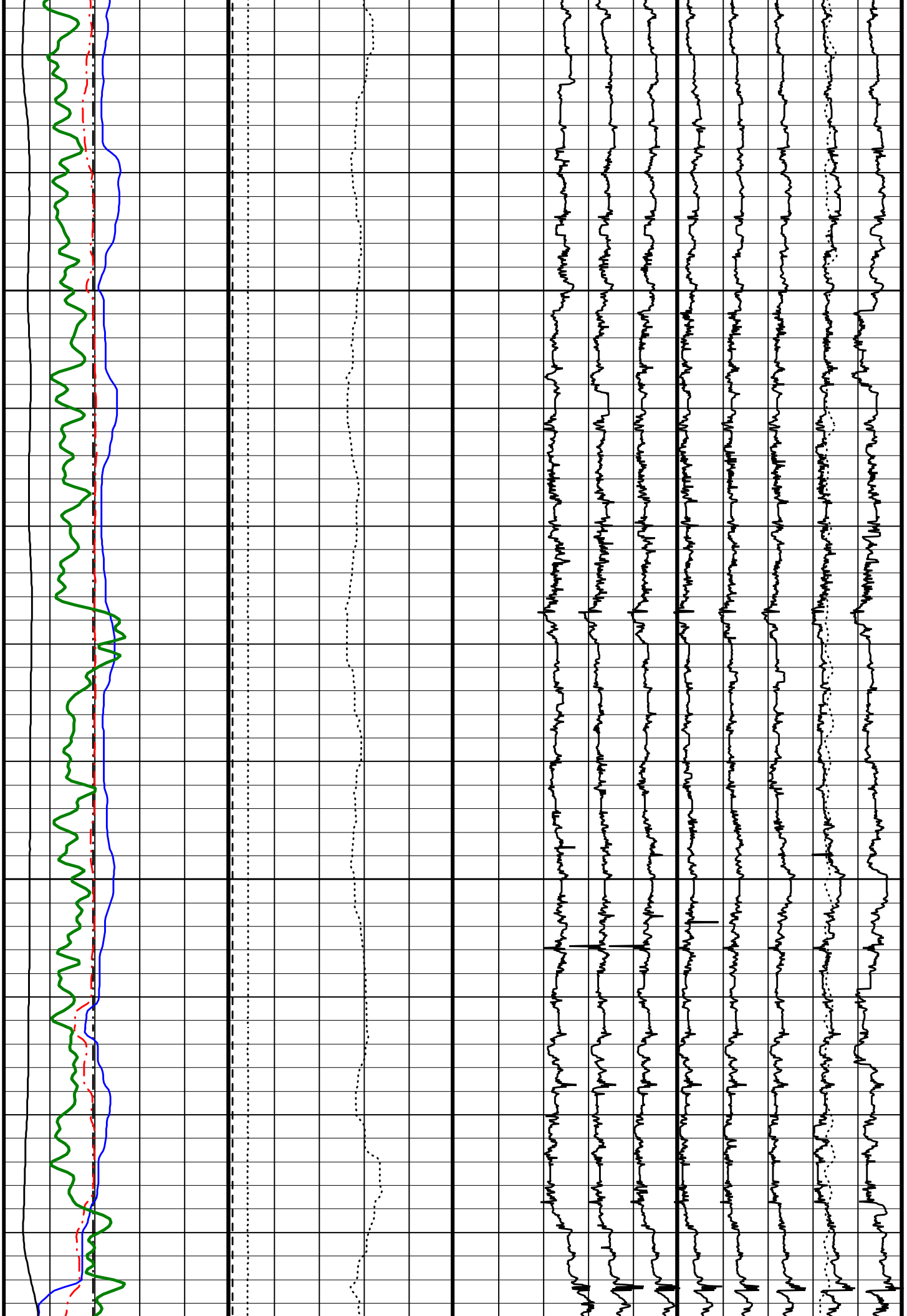
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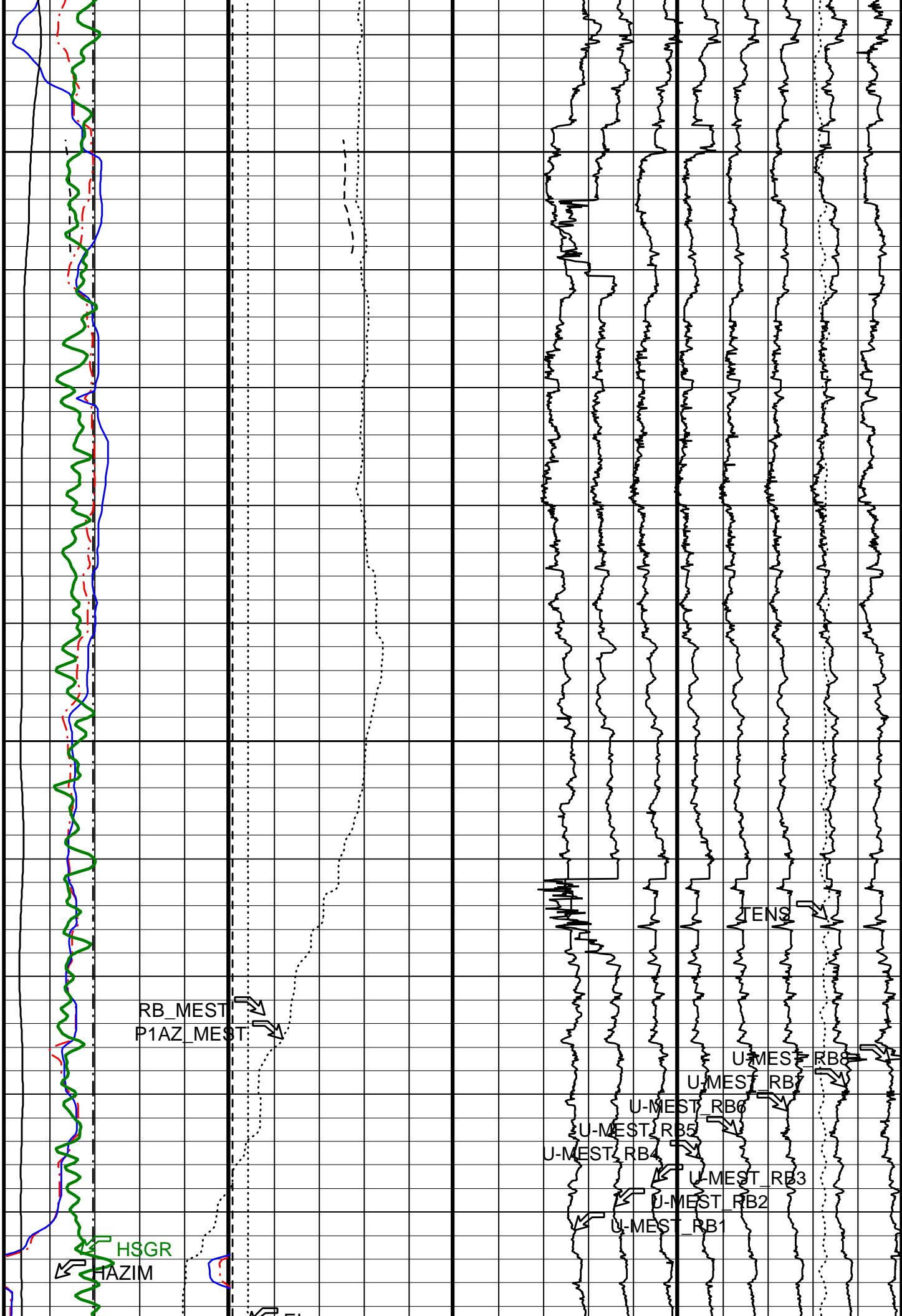
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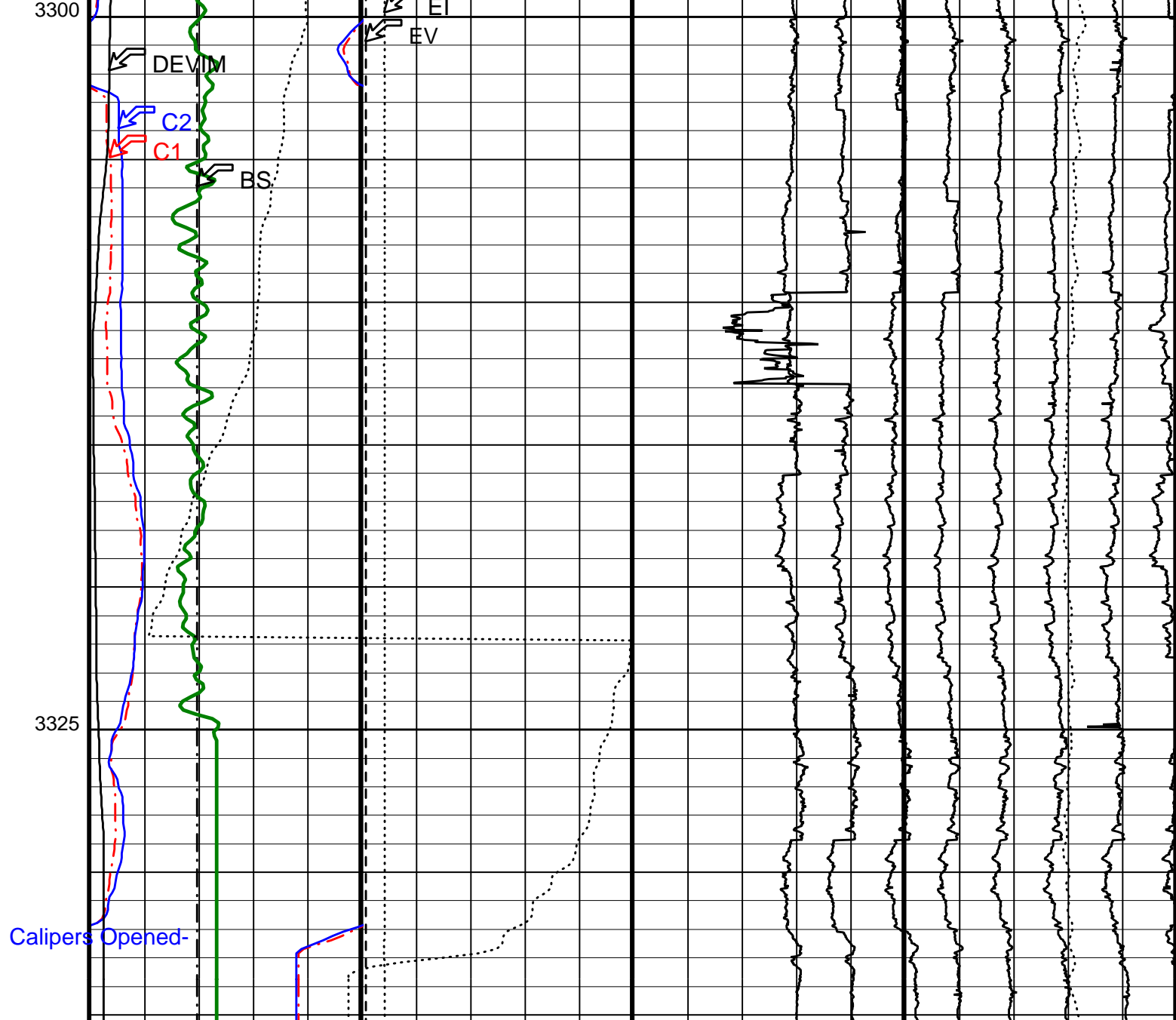
3225



3250

3275





6	Bit Size (BS) (IN)	16	0	EMEX Voltage (EV) (V)	50	-10	Data Button 1 - Varies with RBS (U-MEST_RB1)	(---)	90
6	Caliper 1 (C1) (IN)	16	0	EMEX Intensity (EI) (AMPS)	10	-20	Data Button 2 - Varies with RBS (U-MEST_RB2)	(---)	80
6	Caliper 2 (C2) (IN)	16				-30	Data Button 3 - Varies with RBS (U-MEST_RB3)	(---)	70
0	Deviation (DEVIM) (DEG)		10			-40	Data Button 4 - Varies with RBS (U-MEST_RB4)	(---)	60
-40	Hole Azimuth (HAZIM) (DEG)		360			-50	Data Button 5 - Varies with RBS (U-MEST_RB5)	(---)	50
-40	Pad One Azimuth (P1AZ_MEST) (DEG)		360			-60	Data Button 6 - Varies with RBS (U-MEST_RB6)	(---)	40
-40	Relative Bearing (RB_MEST) (DEG)		360			-70	Data Button 7 - Varies with RBS (U-MEST_RB7)	(---)	30
0	HNGS Spectroscopy Gamma Ray (HSGR) (GAPI)	15		Pass #2		-80	Data Button 8 - Varies with RBS (U-MEST_RB8)	(---)	20

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
MEST-B: Micro Electrical Scanner - B (Slim)		
AFMO	Accelerometer Filtering Mode	MOVING_AVERAGE
ICMO	Inclinometry Computation Mode	AUTOMATIC_SELECTION
MDEC	Magnetic Field Declination	6.27154 DEG
MLM	MEST Logging Mode	SCAN1800
RBS	Resistivity Button Selection	AUTO
XGAI	Gain	GAIN_2
XOFF	Offset	OFFSET_0
HNGS-BA: Hostile Natural Gamma Ray Sonde		
BAR1	HNGS Detector 1 Barite Constant	1
BAR2	HNGS Detector 2 Barite Constant	1
BHK	HNGS Borehole Potassium Correction Concentration	0
BHS	Borehole Status	OPEN
CSD1	Inner Casing Outer Diameter	0 IN
CSD2	Outer Casing Outer Diameter	0 IN
CSW1	Inner Casing Weight	0 LB/F
CSW2	Outer Casing Weight	0 LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE
GCSE	Generalized Caliper Selection	BS
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW
HABK	HNGS Borehole Potassium Running Average	-0.00162973
HALF	HNGS Alpha Filter Length	60 IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE
HMWM	Mud Weighting Material	NATU
HNPE	HNGS Processing Enable	YES
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3 CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3 CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES
TPOS	Tool Position	ECCE
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.3265
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.13115
System and Miscellaneous		
BS	Bit Size	9.875 IN
DFD	Drilling Fluid Density	1.10 G/C3
DO	Depth Offset for Playback	0.0 M
PP	Playback Processing	RECOMPUTE

Format: MEST_QC Vertical Scale: 1:200 Graphics File Created: 03-Mar-2009 18:08

OP System Version: 17C0-154

MEST-B	SRPC-3762-Q1_2009_OP17	DTA-A	17C0-154
HNGC-B	17C0-154	HNGS-BA	17C0-154
DTC-H	17C0-154		

Input DLIS Files

DEFAULT	FMS_NGS_059LUP	FN:92	PRODUCER	18-Feb-2009 09:35	3335.3 M	2920.7 M
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Output DLIS Files

DEFAULT	FMS_NGS_097PUP	FN:153	PRODUCER	03-Mar-2009 18:08
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SECOND PASS

Input DLIS Files

DEFAULT FMS_NGS_058LUP FN:89 PRODUCER 18-Feb-2009 07:17 3342.1 M 2921.4 M

Output DLIS Files

DEFAULT FMS_NGS_096PUP FN:152 PRODUCER 03-Mar-2009 18:06 3342.1 M 2921.4 M

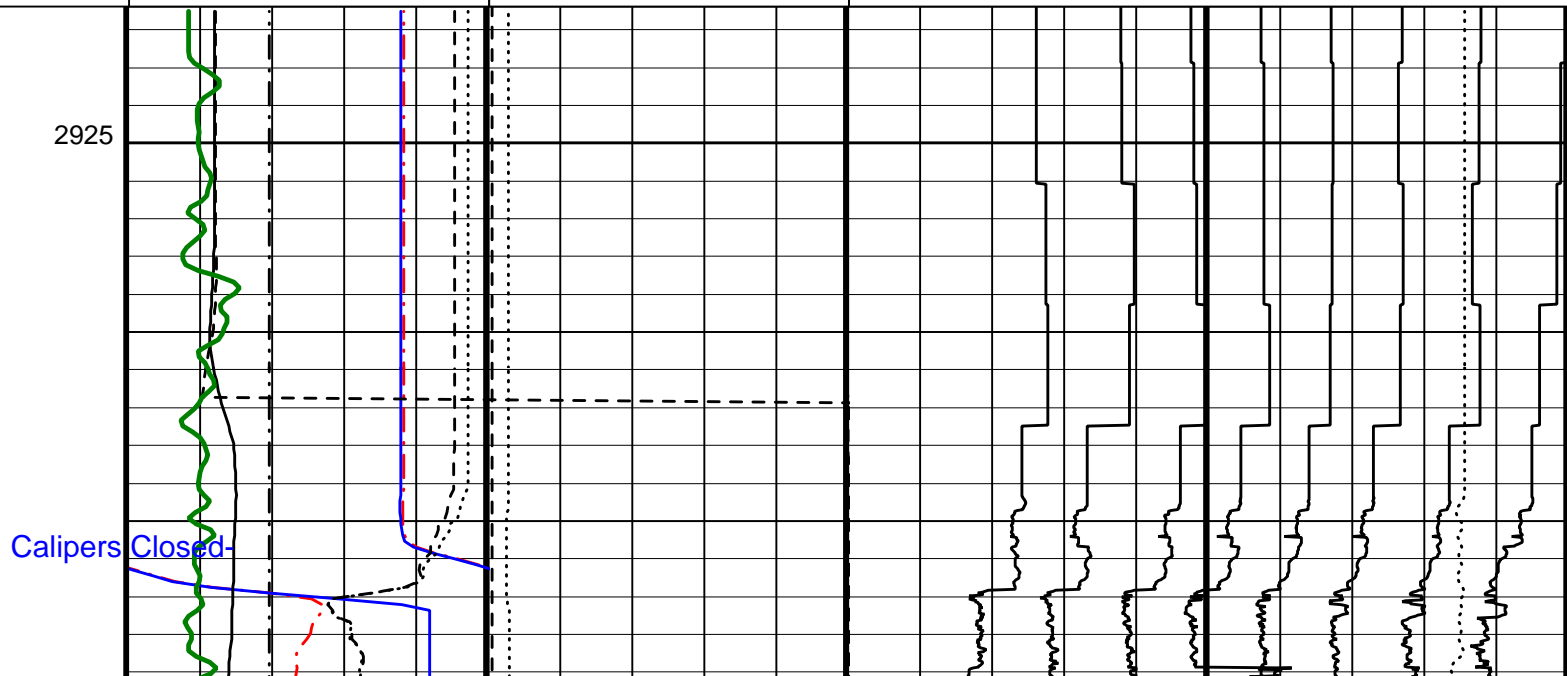
OP System Version: 17C0-154

MEST-B SRPC-3762-Q1_2009_OP17 DTA-A 17C0-154
 HNGC-B 17C0-154 HNGS-BA 17C0-154
 DTC-H 17C0-154

PIP SUMMARY

Time Mark Every 60 S

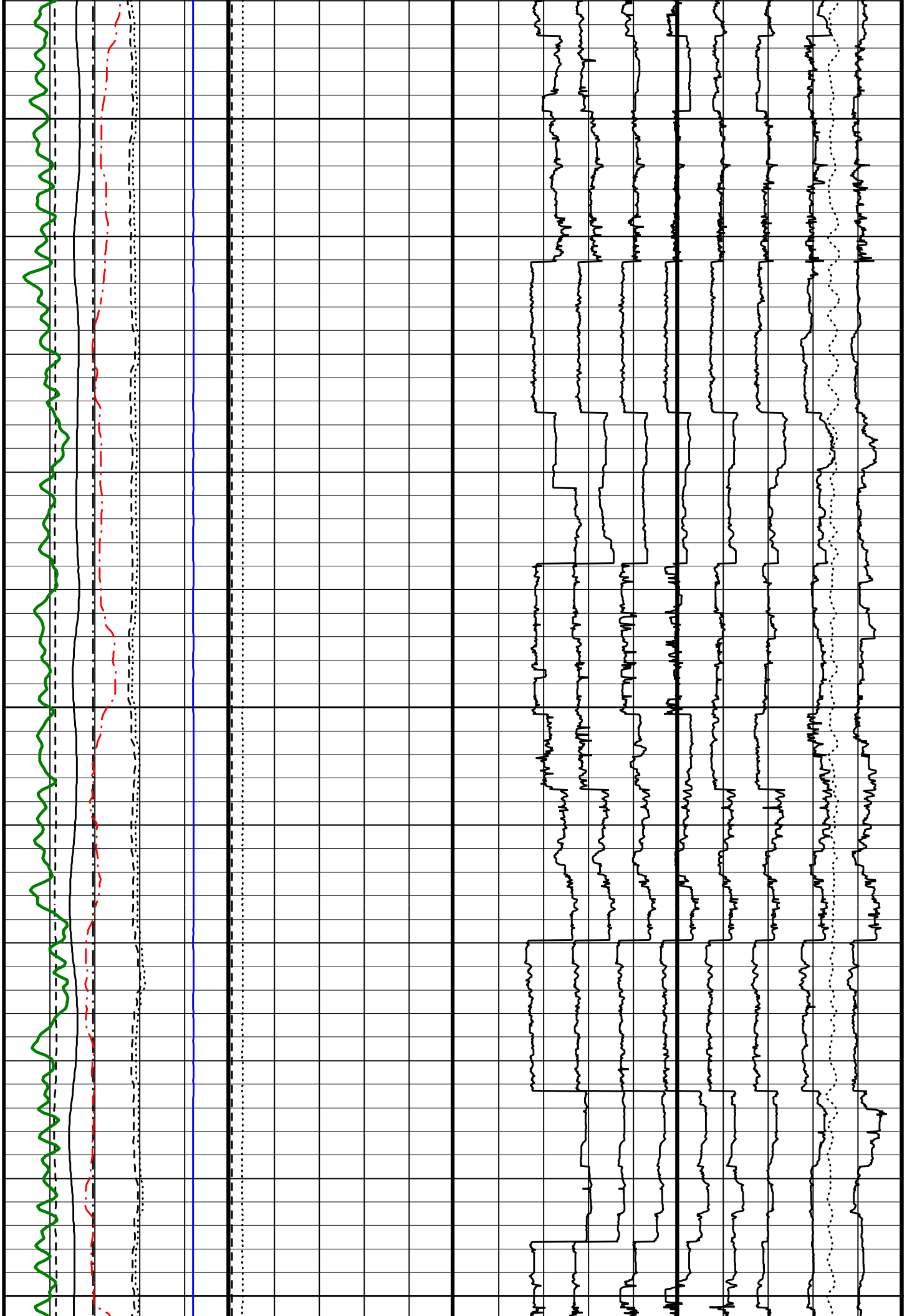
		Tension (TENS)	
		10000 (LBF)	0
Pass #1			
HNGS Spectroscopy Gamma Ray (HSGR) (GAPI) 0 15		Data Button 8 - Varies with RBS (U-MEST_RB8) -80 (---) 20	
Relative Bearing (RB_MEST) -40 (DEG) 360		Data Button 7 - Varies with RBS (U-MEST_RB7) -70 (---) 30	
Pad One Azimuth (P1AZ_MEST) -40 (DEG) 360		Data Button 6 - Varies with RBS (U-MEST_RB6) -60 (---) 40	
Hole Azimuth (HAZIM) -40 (DEG) 360		Data Button 5 - Varies with RBS (U-MEST_RB5) -50 (---) 50	
Deviation (DEVIM) 0 (DEG) 10		Data Button 4 - Varies with RBS (U-MEST_RB4) -40 (---) 60	
Caliper 2 (C2) (IN) 6 16		Data Button 3 - Varies with RBS (U-MEST_RB3) -30 (---) 70	
Caliper 1 (C1) (IN) 6 16		Data Button 2 - Varies with RBS (U-MEST_RB2) -20 (---) 80	
EMEX Intensity (EI) (AMPS) 0 10		Data Button 1 - Varies with RBS (U-MEST_RB1) -10 (---) 90	
Bit Size (BS) (IN) 6 16		EMEX Voltage (EV) (V) 0 50	



3000

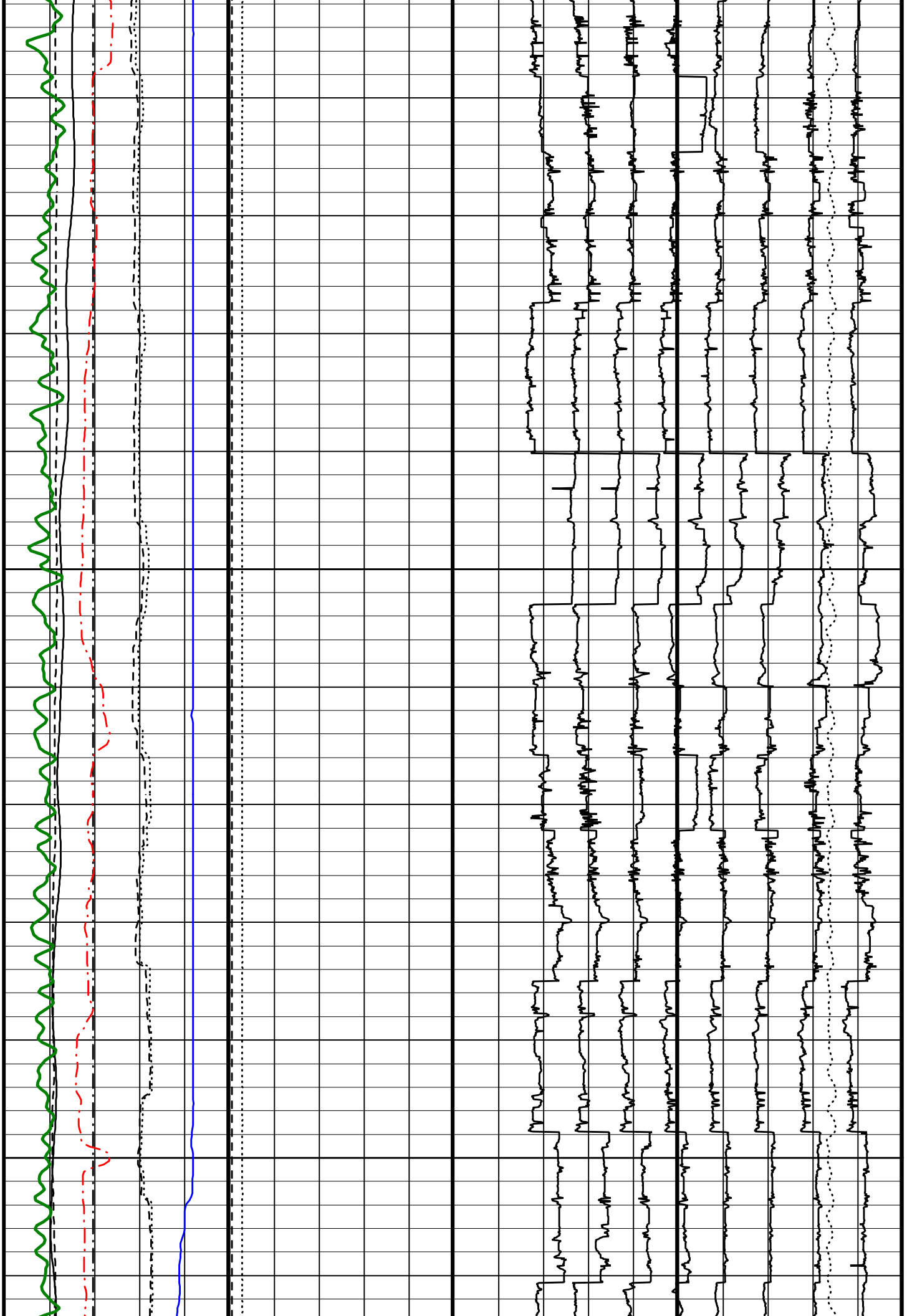
3025

3050



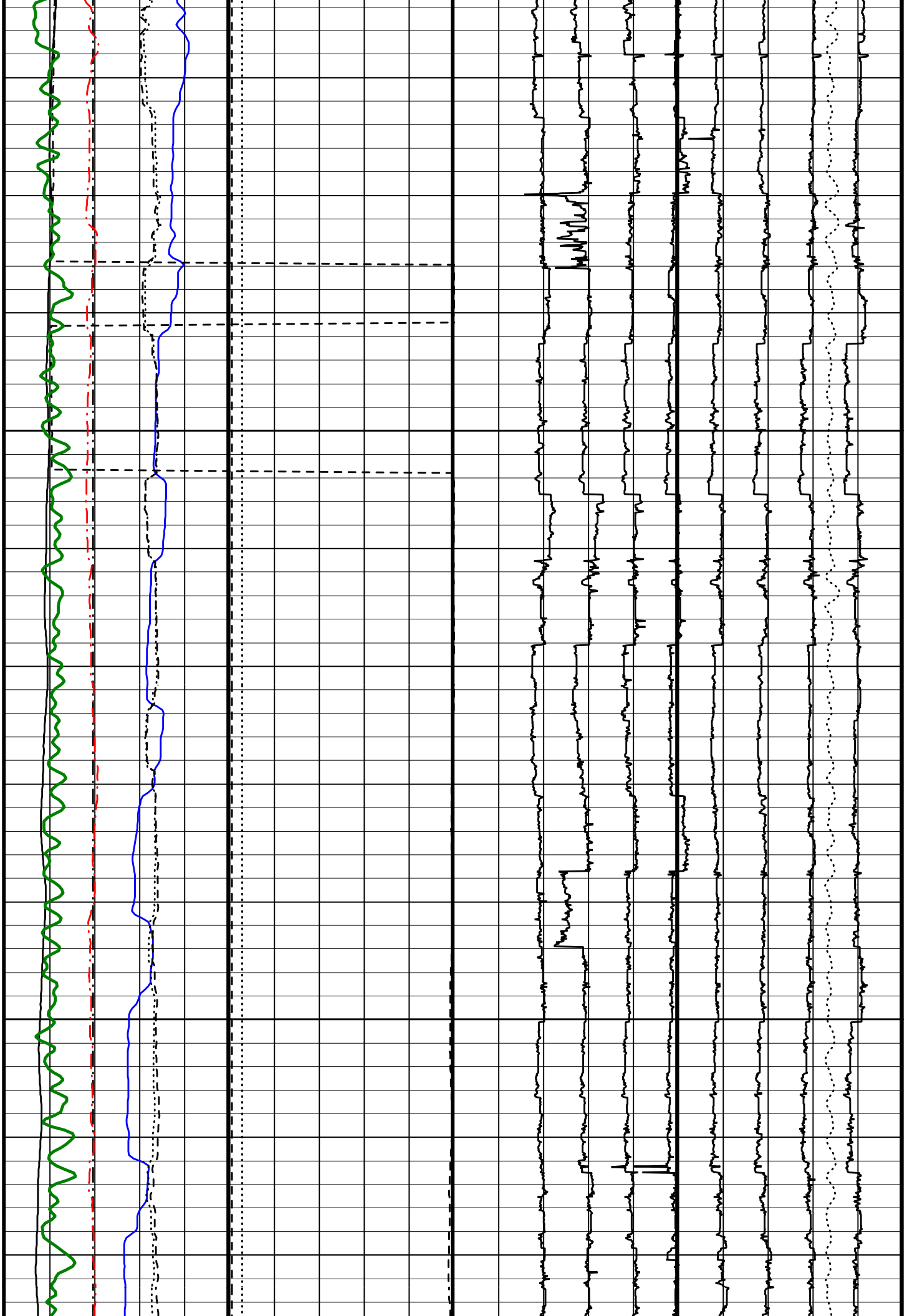
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3100



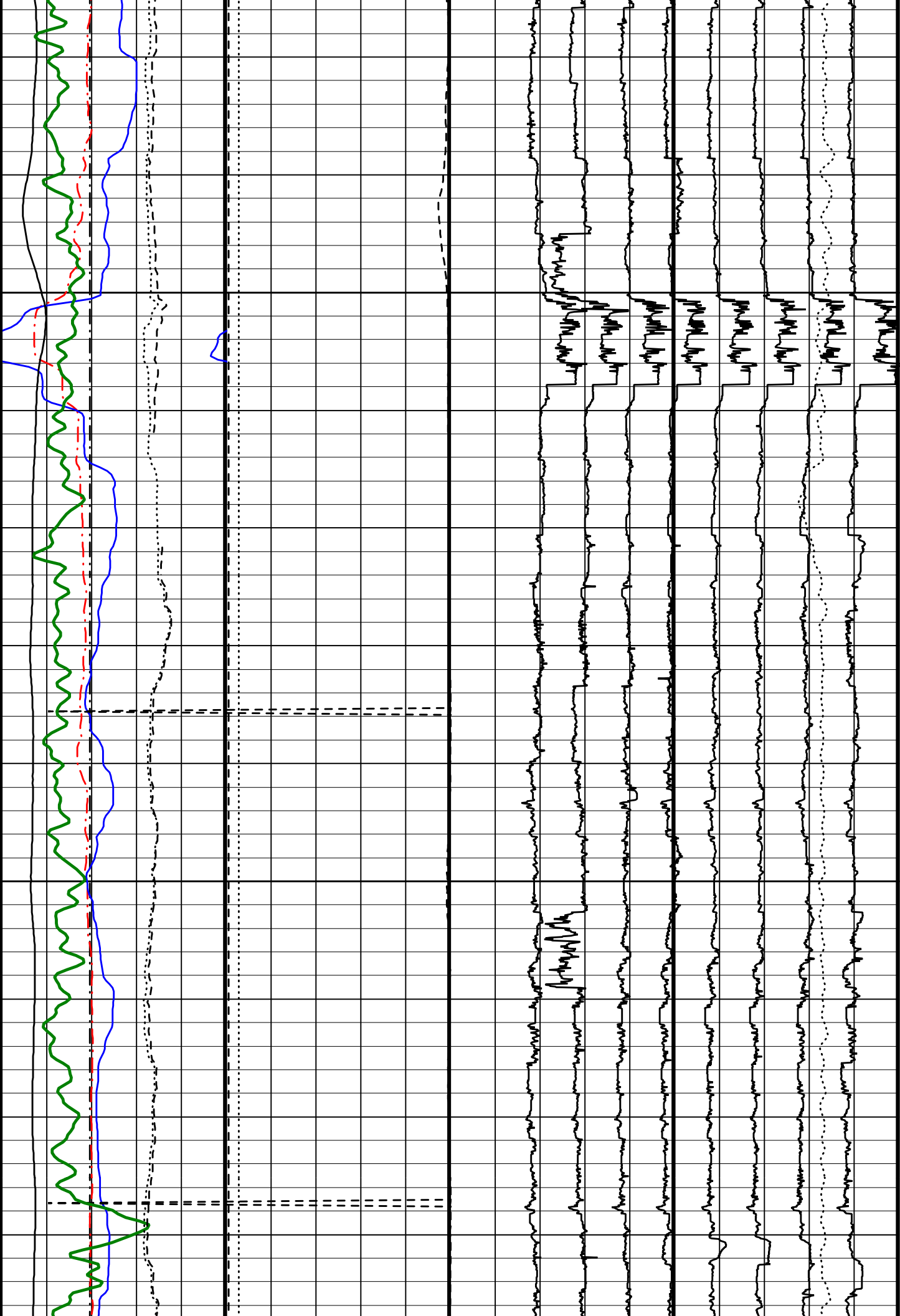
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3150



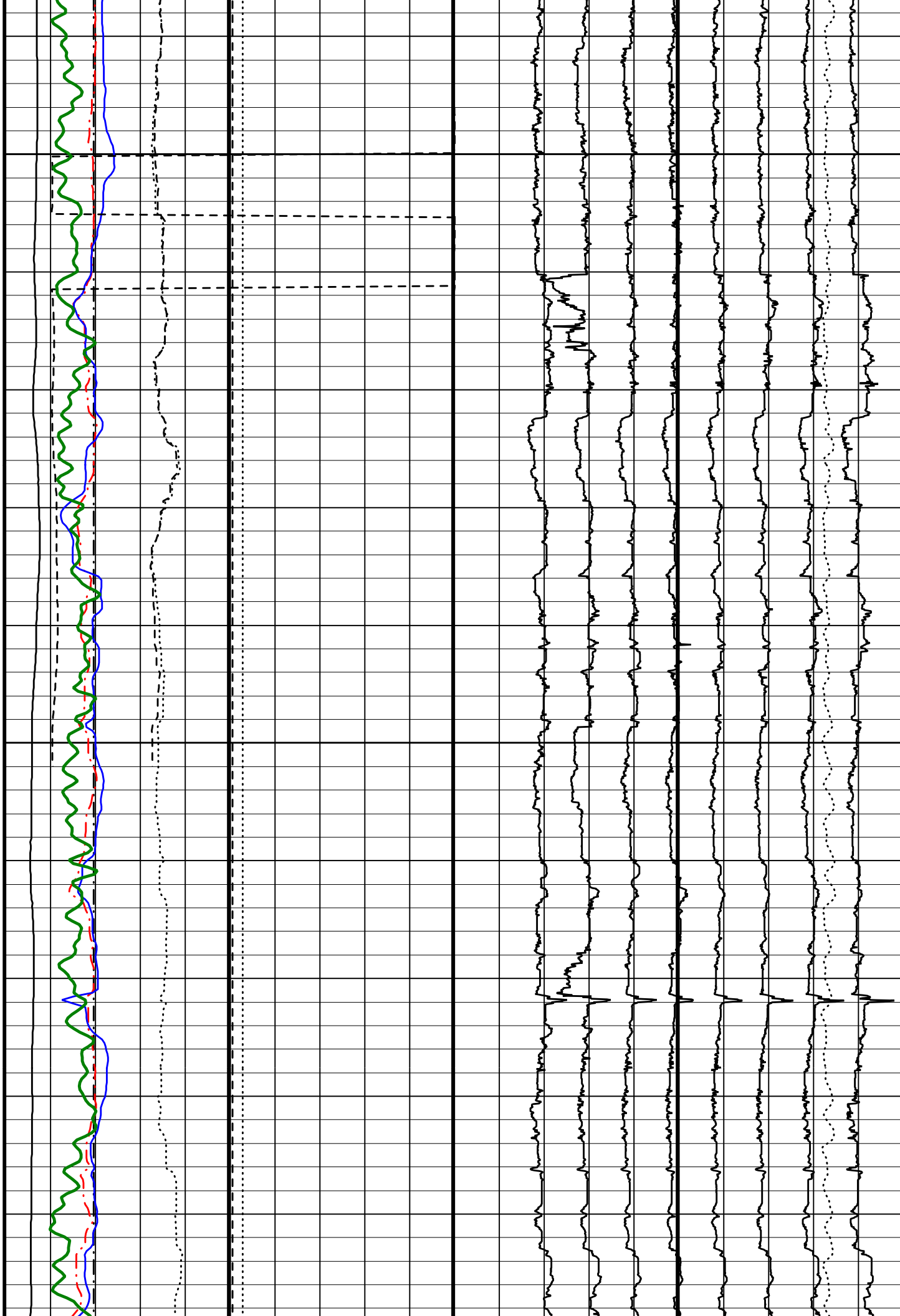
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3200



3225

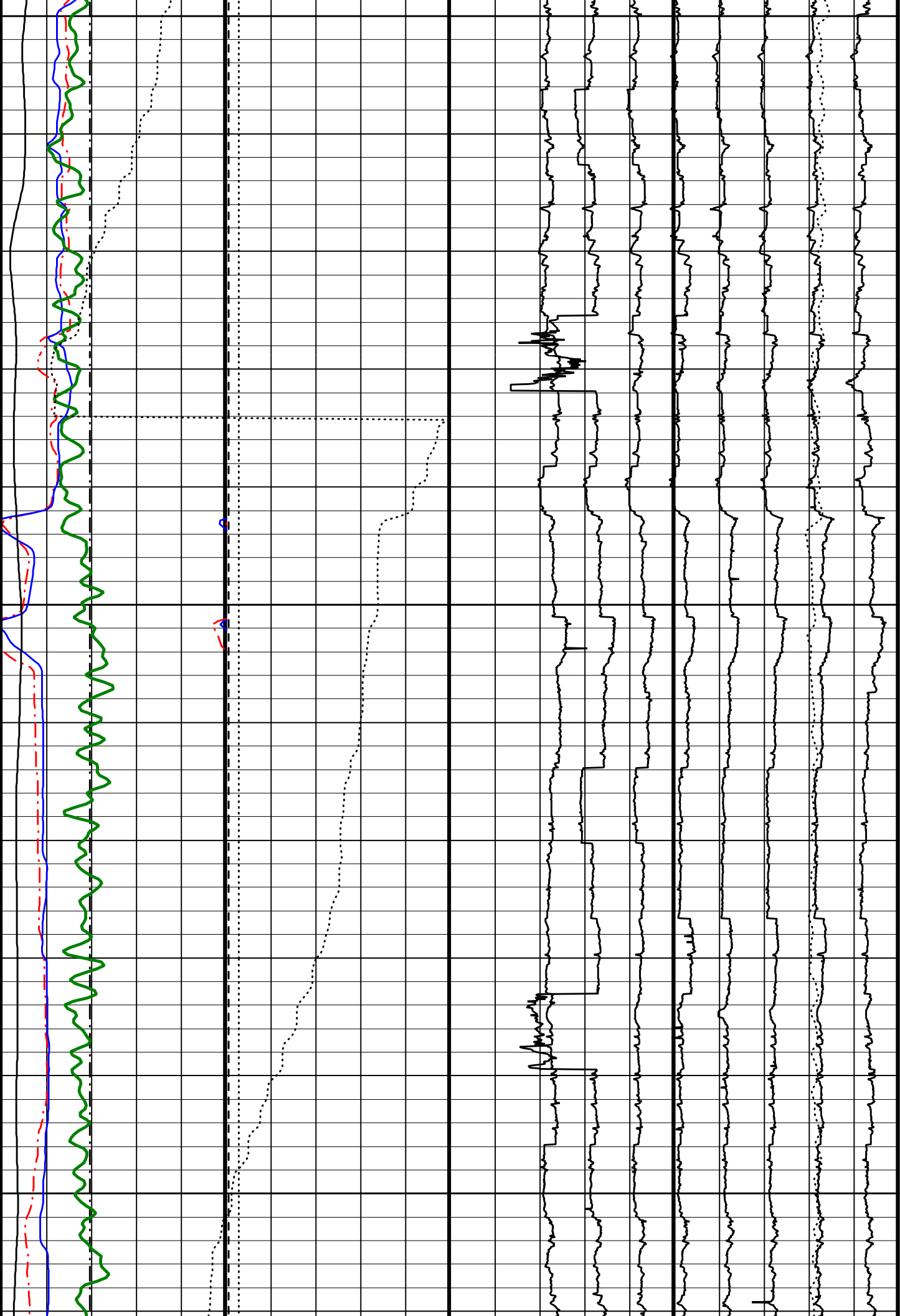
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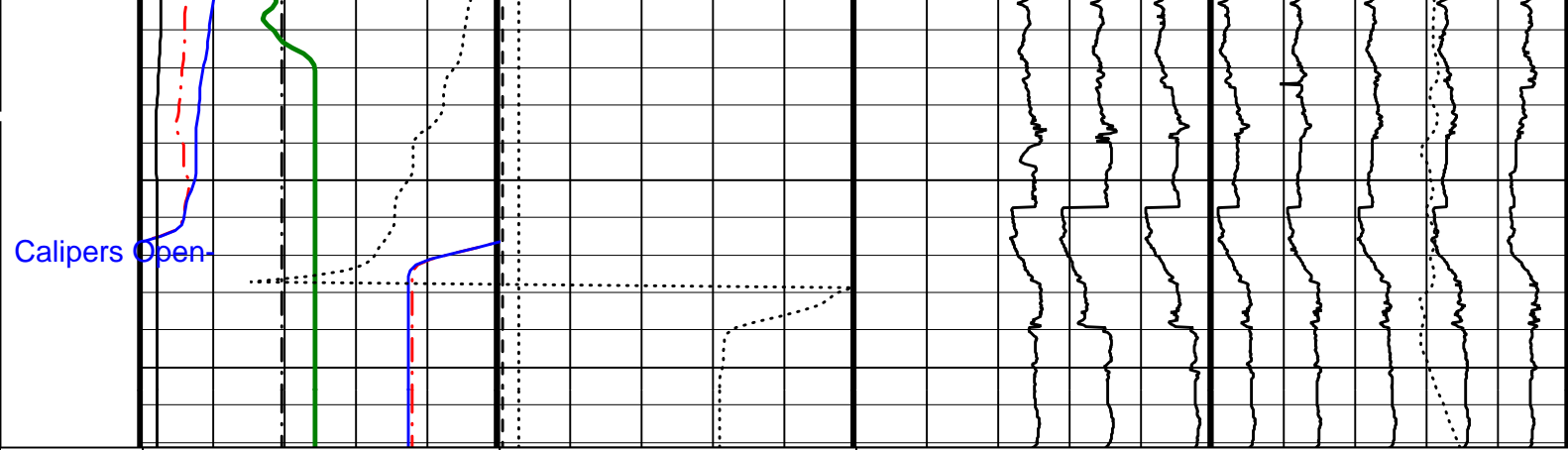


3275

3300

3325





Bit Size (BS) (IN)	EMEX Voltage (EV) (V)	Data Button 1 - Varies with RBS (U-MEST_RB1)
6 16	0 50	-10 (---) 90
Caliper 1 (C1) (IN)	EMEX Intensity (EI) (AMPS)	Data Button 2 - Varies with RBS (U-MEST_RB2)
6 16	0 10	-20 (---) 80
Caliper 2 (C2) (IN)		Data Button 3 - Varies with RBS (U-MEST_RB3)
6 16		-30 (---) 70
Deviation (DEVIM) (DEG)		Data Button 4 - Varies with RBS (U-MEST_RB4)
0 10		-40 (---) 60
Hole Azimuth (HAZIM) (DEG)		Data Button 5 - Varies with RBS (U-MEST_RB5)
-40 360		-50 (---) 50
Pad One Azimuth (P1AZ_MEST) (DEG)		Data Button 6 - Varies with RBS (U-MEST_RB6)
-40 360		-60 (---) 40
Relative Bearing (RB_MEST) (DEG)		Data Button 7 - Varies with RBS (U-MEST_RB7)
-40 360		-70 (---) 30
HNGS Spectroscopy Gamma Ray (HSGR) (GAPI)		Data Button 8 - Varies with RBS (U-MEST_RB8)
0 15		-80 (---) 20
		Tension (TENS) (LBF)
		10000 0

Pass #1

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
MEST-B: Micro Electrical Scanner - B (Slim)		
AFMO	Accelerometer Filtering Mode	MOVING_AVERAGE
ICMO	Inclinometry Computation Mode	AUTOMATIC_SELECTION
MDEC	Magnetic Field Declination	6.27154 DEG
MLM	MEST Logging Mode	SCAN1800
RBS	Resistivity Button Selection	AUTO
XGAI	Gain	GAIN_2
XOFF	Offset	OFFSET_0
HNGS-BA: Hostile Natural Gamma Ray Sonde		
BAR1	HNGS Detector 1 Barite Constant	1
BAR2	HNGS Detector 2 Barite Constant	1
BHK	HNGS Borehole Potassium Correction Concentration	0
BHS	Borehole Status	OPEN
CSD1	Inner Casing Outer Diameter	0 IN
CSD2	Outer Casing Outer Diameter	0 IN
CSW1	Inner Casing Weight	0 LB/F
CSW2	Outer Casing Weight	0 LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE
GCSE	Generalized Caliper Selection	BS
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW
HABK	HNGS Borehole Potassium Running Average	-0.00162973
HALF	HNGS Alpha Filter Length	60 IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE

HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.3265	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.13115	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.10	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: MEST_QC Vertical Scale: 1:200 Graphics File Created: 03-Mar-2009 18:06

OP System Version: 17C0-154

MEST-B	SRPC-3762-Q1_2009_OP17	DTA-A	17C0-154
HNGC-B	17C0-154	HNGS-BA	17C0-154
DTC-H	17C0-154		

Input DLIS Files

DEFAULT	FMS_NGS_058LUP	FN:89	PRODUCER	18-Feb-2009 07:17	3342.1 M	2921.4 M
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Output DLIS Files

DEFAULT	FMS_NGS_096PUP	FN:152	PRODUCER	03-Mar-2009 18:06		
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FIRST PASS

MAXIS Field Log

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
Micro Electrical Scanner - B (Slim) Wellsite Calibration - Caliper Calibration							
Before: 13-Feb-2009 8:00							
Caliper 1 Zero Measurement	8.000	N/A	8.676	N/A	N/A	N/A	IN
Caliper 2 Zero Measurement	8.000	N/A	8.408	N/A	N/A	N/A	IN
Caliper 1 Plus Measurement	12.00	N/A	12.74	N/A	N/A	N/A	IN
Caliper 2 Plus Measurement	12.00	N/A	12.48	N/A	N/A	N/A	IN
Micro Electrical Scanner - B (Slim) Wellsite Calibration - CROUZET ACCELEROMETER PROM HAS BEEN READ CORRECTLY							
Before: 18-Feb-2009 3:42							
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: 18-Feb-2009 3:42							
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	
Hostile Natural Gamma Ray Sonde Wellsite Calibration - Detector 1 Check							
Master: Calibration out of date 30-Apr-2008 7:31 Before: 13-Feb-2009 7:45							
Na 511 Peak Loc	40.00	40.61	40.59	N/A	N/A	1.000	
Na 511 Peak Res	15.50	16.89	17.06	N/A	N/A	2.000	%
High Voltage	1150	1170	1195	N/A	N/A	N/A	V

High Voltage	1150	1170	1190	N/A	N/A	N/A	V
Na 1785 Peak Loc	142.6	145.3	146.0	N/A	N/A	7.000	%
Na 1785 Peak Res	8.500	9.978	8.859	N/A	N/A	2.000	%
Temperature	15.50	27.24	35.88	N/A	N/A	N/A	DEGC
Na Count Rate	45.00	47.84	38.60	N/A	N/A	8.000	CPS

Hostile Natural Gamma Ray Sonde Wellsite Calibration - Detector 2 Check

Master: Calibration out of date 30-Apr-2008 7:31 Before: 13-Feb-2009 7:45

Na 511 Peak Loc	40.00	40.68	40.62	N/A	N/A	1.000	
Na 511 Peak Res	15.50	14.89	16.51	N/A	N/A	2.000	%
High Voltage	1150	1247	1274	N/A	N/A	N/A	V
Na 1785 Peak Loc	142.6	144.4	143.9	N/A	N/A	7.000	%
Na 1785 Peak Res	8.500	8.329	9.079	N/A	N/A	2.000	%
Temperature	15.50	26.21	35.21	N/A	N/A	N/A	DEGC
Na Count Rate	45.00	48.61	39.33	N/A	N/A	8.000	CPS

Hostile Natural Gamma Ray Sonde Wellsite Calibration - Ratio Of Detector 1 To Detector 2

Master: Calibration out of date 30-Apr-2008 7:31 Before: 13-Feb-2009 7:45

Coincidence Count Rate Ratio	1.000	0.9831	0.9817	N/A	N/A	0.05000	
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Hostile Natural Gamma Ray Sonde Master Calibration - Detector 1 Calibration

Master: Calibration out of date 30-Apr-2008 7:31

Na 511 Peak Set Point	40.00	42.00	--	--	--	--	
Th Peak Loc	209.6	209.6	--	--	--	--	
Th Peak Res	7.000	7.774	--	--	--	--	%
Background Count Rate	142.5	82.62	--	--	--	--	CPS
Gain Ratio	1.000	0.9819	--	--	--	--	

Hostile Natural Gamma Ray Sonde Master Calibration - Detector 2 Calibration

Master: Calibration out of date 30-Apr-2008 7:31

Na 511 Peak Set Point	40.00	42.00	--	--	--	--	
Th Peak Loc	209.6	208.4	--	--	--	--	
Th Peak Res	7.000	7.245	--	--	--	--	%
Background Count Rate	142.5	83.78	--	--	--	--	CPS
Gain Ratio	1.000	0.9747	--	--	--	--	

Micro Electrical Scanner - B (Slim) / Equipment Identification

Primary Equipment:

MEST Sonde - B	MEDS - B	702
MEST Preamplifier Cartridge - AB	MEPC - AB	
GPIT Cartridge - A	GPIC - A	
MEST Acquisition Cartridge - A	MEAC - A	

Auxiliary Equipment:

MEST-B Preamplifier Cartridge Housing	MEPH - A	702
MEST Acquisition Cartridge Housing (Slim)	MEAH - B	701

Hostile Natural Gamma Ray Cartridge - B / Equipment Identification

Primary Equipment:

HNGC Cartridge	HNGC - B	202
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Auxiliary Equipment:

HNGC Housing	HNGH - A	30
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Hostile Natural Gamma Ray Sonde / Equipment Identification

Primary Equipment:

HNGS Sonde	HNGS - BA	27
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Auxiliary Equipment:

HNGS Sonde Housing	HNSH - BA	27
Gamma Source Radioactive	GSR - U	1154

Hostile Natural Gamma Ray Sonde Wellsite Calibration

Detector 1 Check

Phase	Na 511 Peak Loc	Value	Phase	Na 511 Peak Res %	Value	Phase	High Voltage V	Value
Master		40.61	Master		16.89	Master		1170

Before	37.50 (Minimum)	40.00 (Nominal)	43.50 (Maximum)	40.59	Before	12.00 (Minimum)	15.50 (Nominal)	19.00 (Maximum)	17.06	Before	900.0 (Minimum)	1150 (Nominal)	1600 (Maximum)	1195
Phase	Na 1785 Peak Loc			Value	Phase	Na 1785 Peak Res %			Value	Phase	Temperature DEGC			Value
Master				145.3	Master				9.978	Master				27.24
Before				146.0	Before				8.859	Before				35.88
	135.0 (Minimum)	142.6 (Nominal)	150.3 (Maximum)			7.000 (Minimum)	8.500 (Nominal)	11.00 (Maximum)			-28.89 (Minimum)	15.50 (Nominal)	60.00 (Maximum)	
Phase	Na Count Rate CPS			Value										
Master				47.84										
Before				38.60										
	10.00 (Minimum)	45.00 (Nominal)	100.0 (Maximum)											
Master: Calibration out of date 30-Apr-2008 7:31					Before: 13-Feb-2009 7:45									

Hostile Natural Gamma Ray Sonde Wellsite Calibration														
Detector 2 Check														
Phase	Na 511 Peak Loc			Value	Phase	Na 511 Peak Res %			Value	Phase	High Voltage V			Value
Master				40.68	Master				14.89	Master				1247
Before				40.62	Before				16.51	Before				1274
	37.50 (Minimum)	40.00 (Nominal)	43.50 (Maximum)			12.00 (Minimum)	15.50 (Nominal)	19.00 (Maximum)			900.0 (Minimum)	1150 (Nominal)	1600 (Maximum)	
Phase	Na 1785 Peak Loc			Value	Phase	Na 1785 Peak Res %			Value	Phase	Temperature DEGC			Value
Master				144.4	Master				8.329	Master				26.21
Before				143.9	Before				9.079	Before				35.21
	135.0 (Minimum)	142.6 (Nominal)	150.3 (Maximum)			7.000 (Minimum)	8.500 (Nominal)	11.00 (Maximum)			-28.89 (Minimum)	15.50 (Nominal)	60.00 (Maximum)	
Phase	Na Count Rate CPS			Value										
Master				48.61										
Before				39.33										
	10.00 (Minimum)	45.00 (Nominal)	100.0 (Maximum)											
Master: Calibration out of date 30-Apr-2008 7:31					Before: 13-Feb-2009 7:45									

Hostile Natural Gamma Ray Sonde Wellsite Calibration		
Ratio Of Detector 1 To Detector 2		
Phase	Coincidence Count Rate Ratio	Value
Master		0.9831
Before		0.9817
	0.9500 (Minimum)	1.000 (Nominal)
Master: Calibration out of date 30-Apr-2008 7:31		
Before: 13-Feb-2009 7:45		

Hostile Natural Gamma Ray Sonde Master Calibration														
Detector 1 Calibration														
Phase	Na 511 Peak Set Point			Value	Phase	Th Peak Loc			Value	Phase	Th Peak Res %			Value
Master				42.00	Master				209.6	Master				7.774
	38.00 (Minimum)	40.00 (Nominal)	43.00 (Maximum)			201.0 (Minimum)	209.6 (Nominal)	218.3 (Maximum)			5.000 (Minimum)	7.000 (Nominal)	9.000 (Maximum)	
Phase	Background Count Rate CPS			Value	Phase	Gain Ratio			Value					
Master				82.62	Master				0.9819					
	10.00 (Minimum)	142.5 (Nominal)	265.0 (Maximum)			0.9400 (Minimum)	1.000 (Nominal)	1.060 (Maximum)						
Master: Calibration out of date 30-Apr-2008 7:31														

Hostile Natural Gamma Ray Sonde Master Calibration														
Detector 2 Calibration														
Phase	Na 511 Peak Set Point			Value	Phase	Th Peak Loc			Value	Phase	Th Peak Res %			Value
Master				42.00	Master				208.4	Master				7.245
	38.00 (Minimum)	40.00 (Nominal)	43.00 (Maximum)			201.0 (Minimum)	209.6 (Nominal)	218.3 (Maximum)			5.000 (Minimum)	7.000 (Nominal)	9.000 (Maximum)	
Phase	Background Count Rate CPS			Value	Phase	Gain Ratio			Value					
Master					Master									
	10.00 (Minimum)	142.5 (Nominal)	265.0 (Maximum)			0.9400 (Minimum)	1.000 (Nominal)	1.060 (Maximum)						

Phase	Background Count Rate	CPS	value	Phase	Gain Ratio	value	
Master			83.78	Master		0.9747	
	10.00 (Minimum)	142.5 (Nominal)	265.0 (Maximum)		0.9400 (Minimum)	1.000 (Nominal)	1.060 (Maximum)

Master: Calibration out of date 30-Apr-2008 7:31

DTS Telemetry Tool / Equipment Identification

Primary Equipment:

DTC-H Auxiliary Cartridge	DTCH - A	8798
DTC-H Telemetry Cartridge	DTCH - A	8798

Auxiliary Equipment:

DTCH Telemetry Cartridge Housing	ECH - KC	1777
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Company: Lamont Doherty

Schlumberger

Well: Expedition 320T Site U1330A

Field: Ontog-Java Plateau(Equatorial NWPacific)

Rig: JOIDES Resolution

Ocean: Pacific

Formation Micro

Scanner

Gamma Ray