

Company: Lamont Doherty

Well: ODP Leg 201, Site 1226B EQP-1A

Field: Equatorial Pacific

Rig: JOIDES Resolution Ocean: Pacific

IPLT Triple Combo with Phasor Induction

Rig: JOIDES Resolution Field: Equatorial Pacific Location: 3 Deg 5.7' S Latitude Well: ODP Leg 201, Site 1226B EQP-1 Company: Lamont Doherty		Elev.: K.B. 11.3 m G.L. -3308 m D.F. 11 m	
LOCATION		Elev.: 0 m	
3 Deg 5.7' S Latitude 90 Deg 49.1' W Longitude		11.3 m above Perm. Datum	
Permanent Datum: _____ Log Measured From: _____ Drilling Measured From: _____	MSL _____ RKB _____ RKB _____		
API Serial No.	Max. Hole Devi. 0 deg	Longitude	Latitude

Logging Date	23-Feb-2002		
Run Number	1		
Depth Driller	3730 m		
Schlumberger Depth	3731 m		
Bottom Log Interval	3725 m		
Top Log Interval	3309 m		
Casing Driller Size @ Depth	0.000 in @ 3373 m		
Casing Schlumberger	3375 m		
Bit Size	11.438 in		

Type Fluid In Hole			
Density	Viscosity		
Fluid Loss	PH		
Source Of Sample	mud/it		

RM @ Measured Temperature	0.235 ohm.m		@	33 degC
RMF @ Measured Temperature			@	
RMC @ Measured Temperature			@	
Source RMF	RMC	none		
RM @ MRT	RMF @ MRT	@	14	@
Maximum Recorded Temperatures	14 degC			
Circulation Stopped	Time	22-Feb-2002	20:00	
Logger On Bottom	Time	23-Feb-2002	04:00	
Unit Number	Location	99	Houston ODP	
Recorded By	K. Swain			
Witnessed By	Gilles Guerin			

Logging Date	23-Feb-2002		
Run Number	1		
Depth Driller	3730 m		
Schlumberger Depth	3731 m		
Bottom Log Interval	3725 m		
Top Log Interval	3309 m		
Casing Driller Size @ Depth	0.000 in @ 3373 m		
Casing Schlumberger	3375 m		
Bit Size	11.438 in		
Type Fluid In Hole			
Density	Viscosity		
Fluid Loss	PH		
Source Of Sample	mud/it		
RM @ Measured Temperature	0.235 ohm.m		@
RMF @ Measured Temperature			@
RMC @ Measured Temperature			@
Source RMF	RMC	none	
RM @ MRT	RMF @ MRT	@	14
Maximum Recorded Temperatures	14 degC		
Circulation Stopped	Time	22-Feb-2002	20:00
Logger On Bottom	Time	23-Feb-2002	04:00
Unit Number	Location	99	Houston ODP
Recorded By	K. Swain		
Witnessed By	Gilles Guerin		

Logging Date	23-Feb-2002		
Run Number	1		
Depth Driller	3730 m		
Schlumberger Depth	3731 m		
Bottom Log Interval	3725 m		
Top Log Interval	3309 m		
Casing Driller Size @ Depth	0.000 in @ 3373 m		
Casing Schlumberger	3375 m		
Bit Size	11.438 in		
Type Fluid In Hole			
Density	Viscosity		
Fluid Loss	PH		
Source Of Sample	mud/it		
RM @ Measured Temperature	0.235 ohm.m		@
RMF @ Measured Temperature			@
RMC @ Measured Temperature			@
Source RMF	RMC	none	
RM @ MRT	RMF @ MRT	@	14
Maximum Recorded Temperatures	14 degC		
Circulation Stopped	Time	22-Feb-2002	20:00
Logger On Bottom	Time	23-Feb-2002	04:00
Unit Number	Location	99	Houston ODP
Recorded By	K. Swain		
Witnessed By	Gilles Guerin		

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OTHER SERVICES1 OS1: Hngs OS2: HLDT/APS OS3: OS4: OS5:	OTHER SERVICES2 OS1: OS2: OS3: OS4: OS5:
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REMARKS: RUN NUMBER 1 Hole cored with APC, XCB, PCS. Log presented in meters below rig floor. Lamont Temperature tool (TAP) was run on Triple Combo. Wireline Heave Compensator (WHC) was used on all descents. Sepiolite mud was used to displace the hole during the wiper trip after drillin Drillers TD 3730 mbrf, Driller pipe depth: 3383 mbrf, Sea Floor: 3308 mbrf. Schlumberger TD 3731 mbrf. Drill Pipe Schlumberger 3375 mbrf. Sea Floor Schlumberger 3309 mbrf.	REMARKS: RUN NUMBER 2
Software bug shows APS calibration not done for part of calibration. Low background countrate on HNGS master calibration signifcices a weak internal source used for check of detector and not used in calibration.	

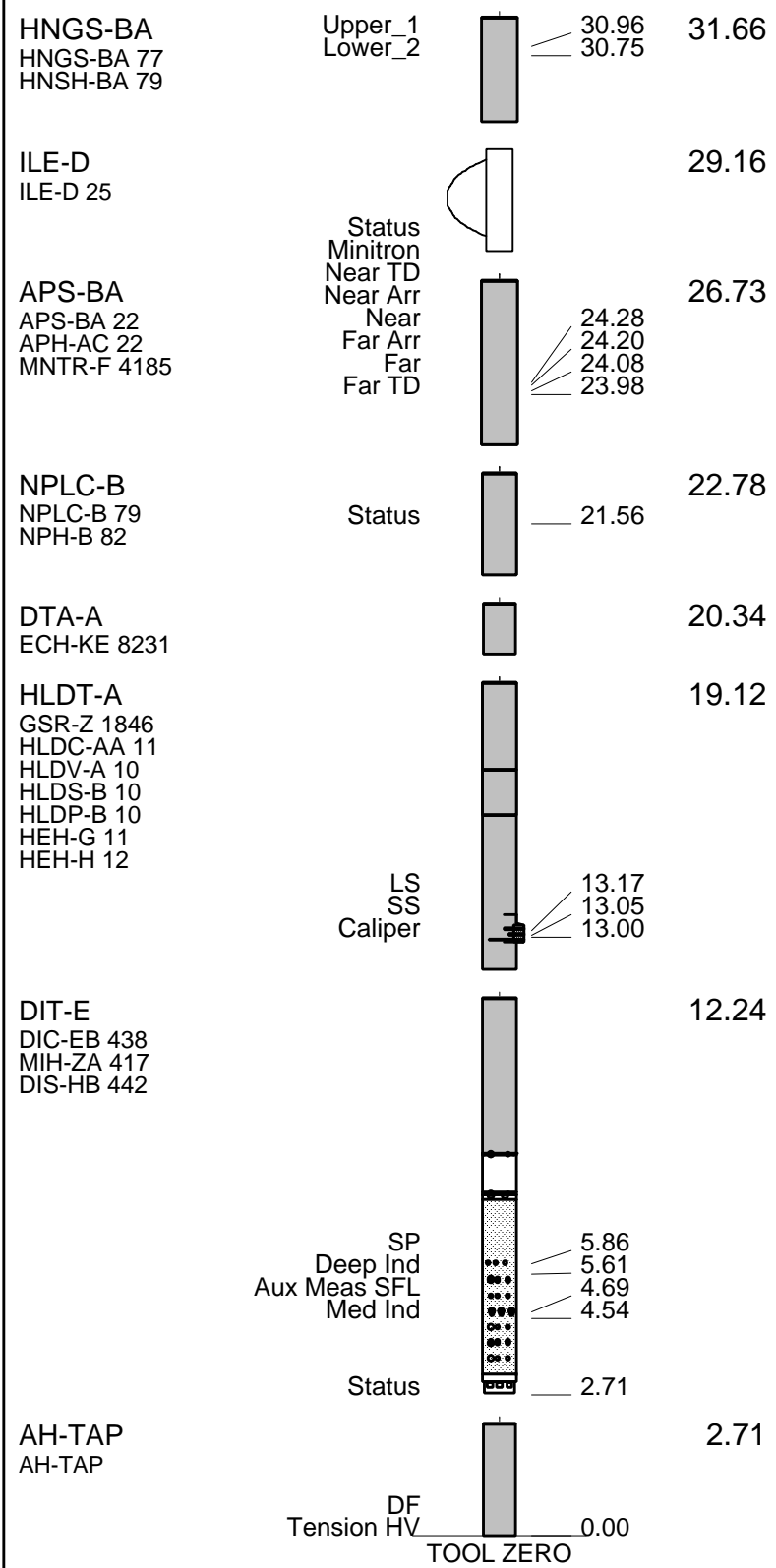
RUN 1			RUN 2		
SERVICE ORDER #:			SERVICE ORDER #:		
PROGRAM VERSION:	10C0-306		PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1		RUN 2	
SURFACE EQUIPMENT			
SFT-281 24	WITM (DTS)-A		
SFT-178 4722			
GSR-U 135			
GSR-U/Y			

DOWNHOLE EQUIPMENT			
LEH-QT			35.14
LEH-QT 1726			
DTC-H	CTEM		33.98
ECH-KC 9343	TelStatus		34.25
	ToolStatu		33.34
SGT-N	Gamma Ray		33.06
SGH-K 2448			
SCC TR 2592			

SGC-1B 9582



MAXIMUM STRING DIAMETER 3.88 IN
 MEASUREMENTS RELATIVE TO TOOL ZERO
 ALL LENGTHS IN METERS

Output DLIS Files

DEFAULT	PI_LDL_APS_NGS_007LUP	FN:10	PRODUCER	23-Feb-2002 04:08	3733.0 M	3286.7 M
REDUCED	PI_LDL_APS_NGS_007LUP	FN:11	PRODUCER	23-Feb-2002 04:08	3733.0 M	3286.7 M

OP System Version: 10C0-306 MCM

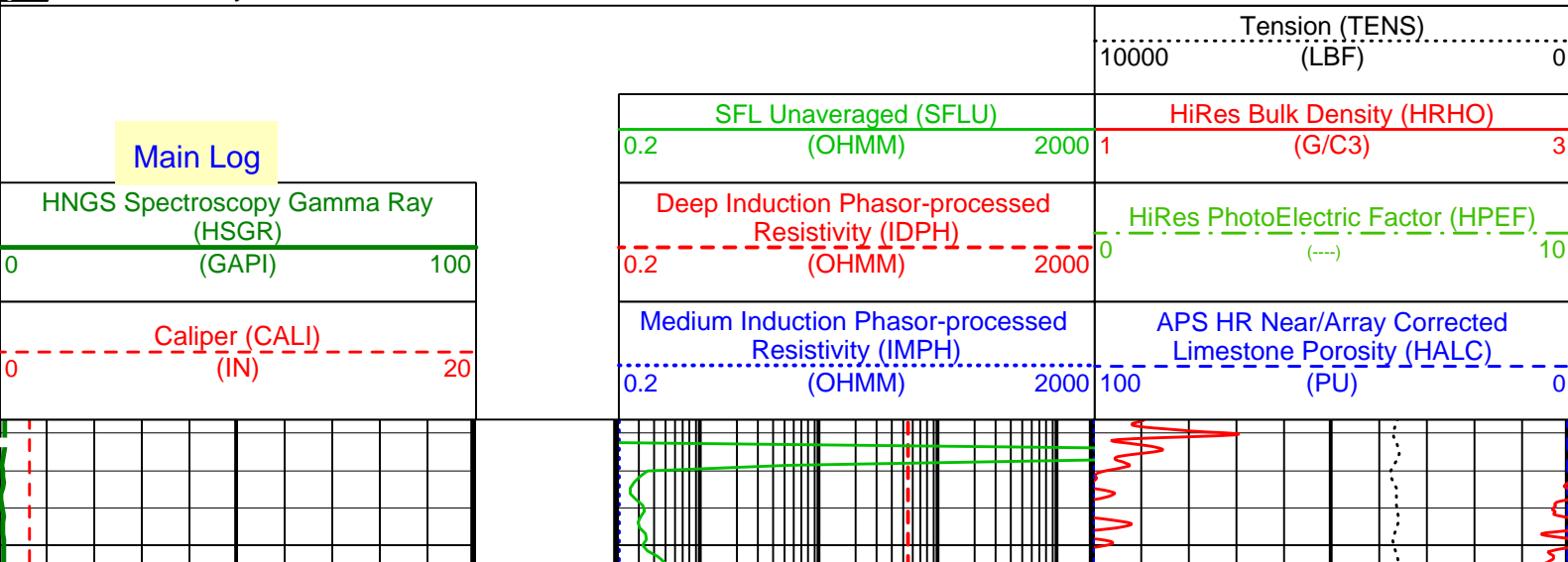
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DTA-A	10C0-306	NPLC-B	10C0-306
APS-BA	10C0-306	HNGS-BA	10C0-306
SGT-N	10C0-306	DTC-H	10C0-306

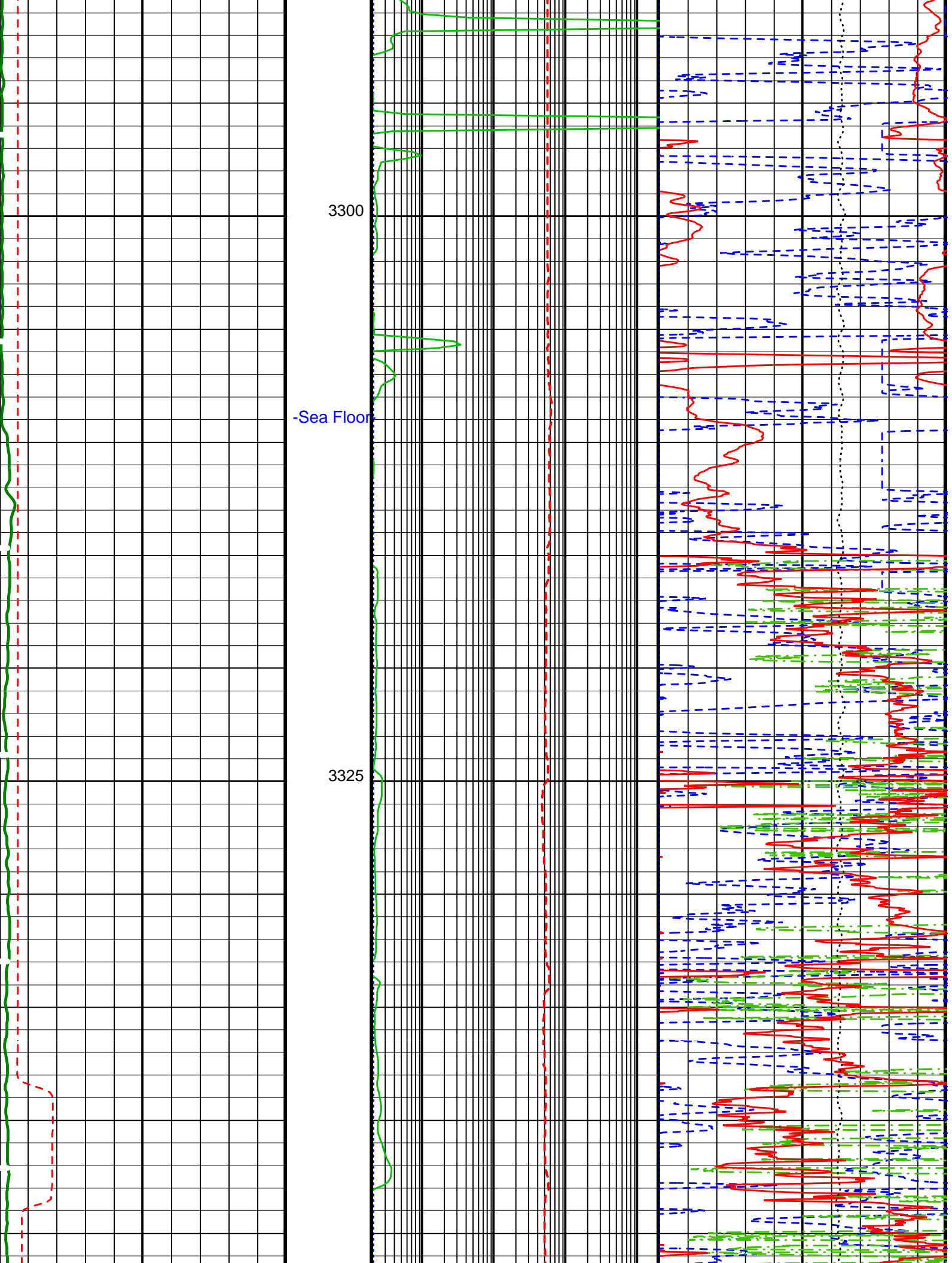
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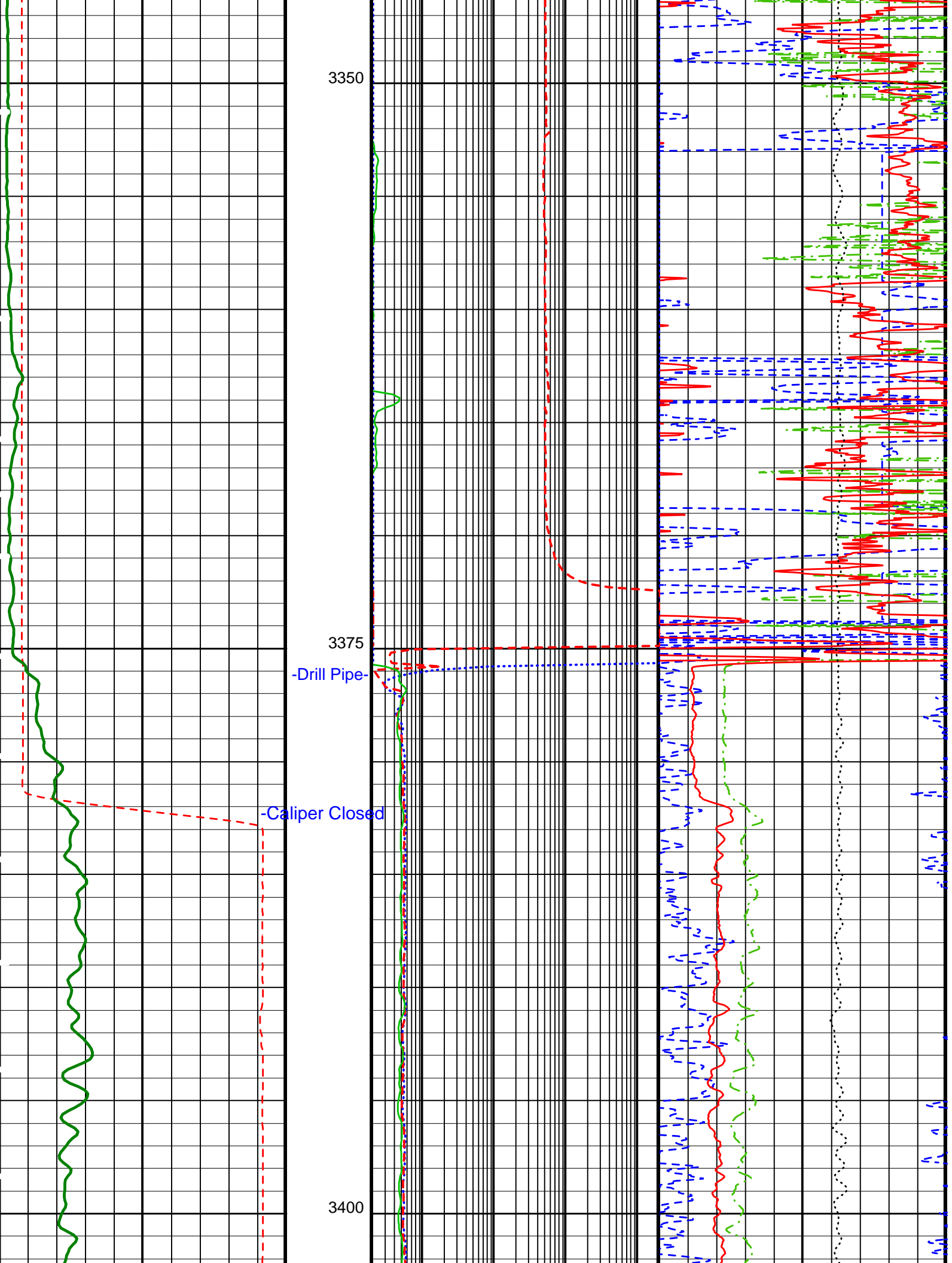
DLIS Name	New Value	Previous Value	Depth & Time
GCSE	CALI	BS	3710.8 04:19:06

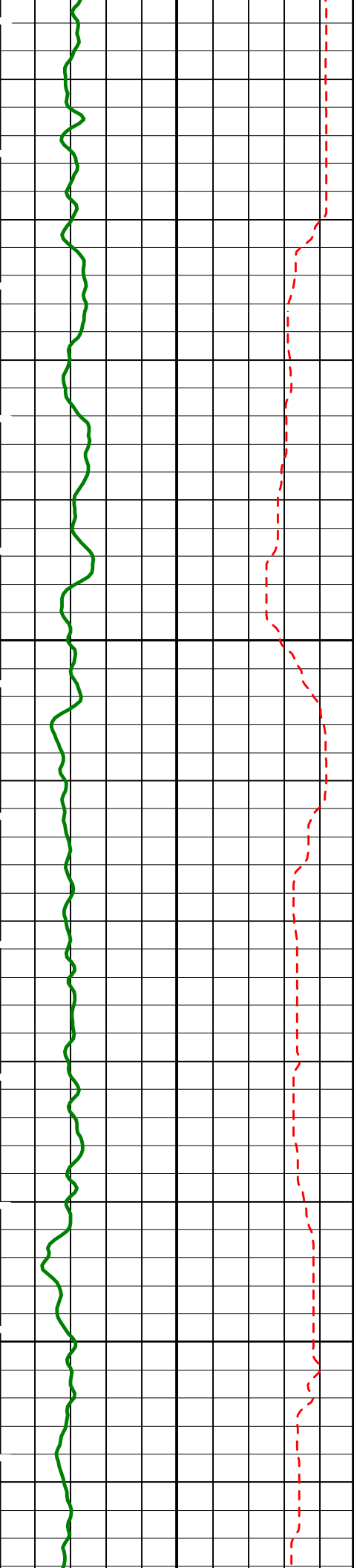
PIP SUMMARY

Time Mark Every 60 S



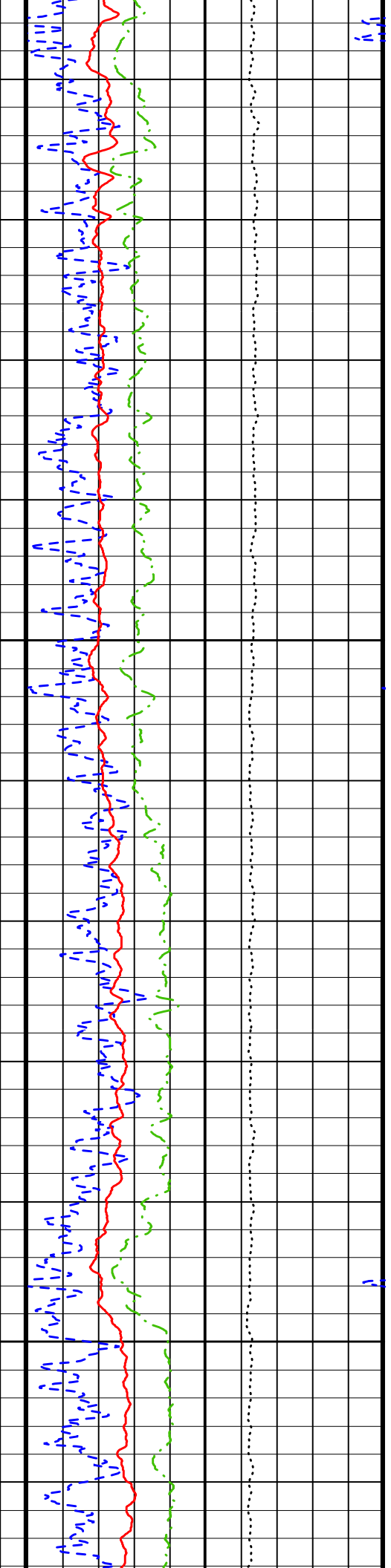
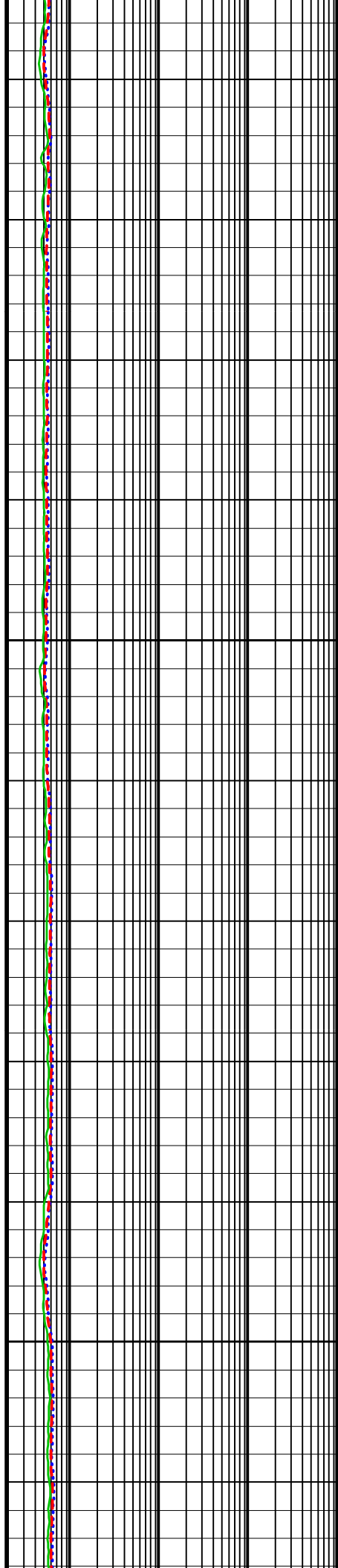


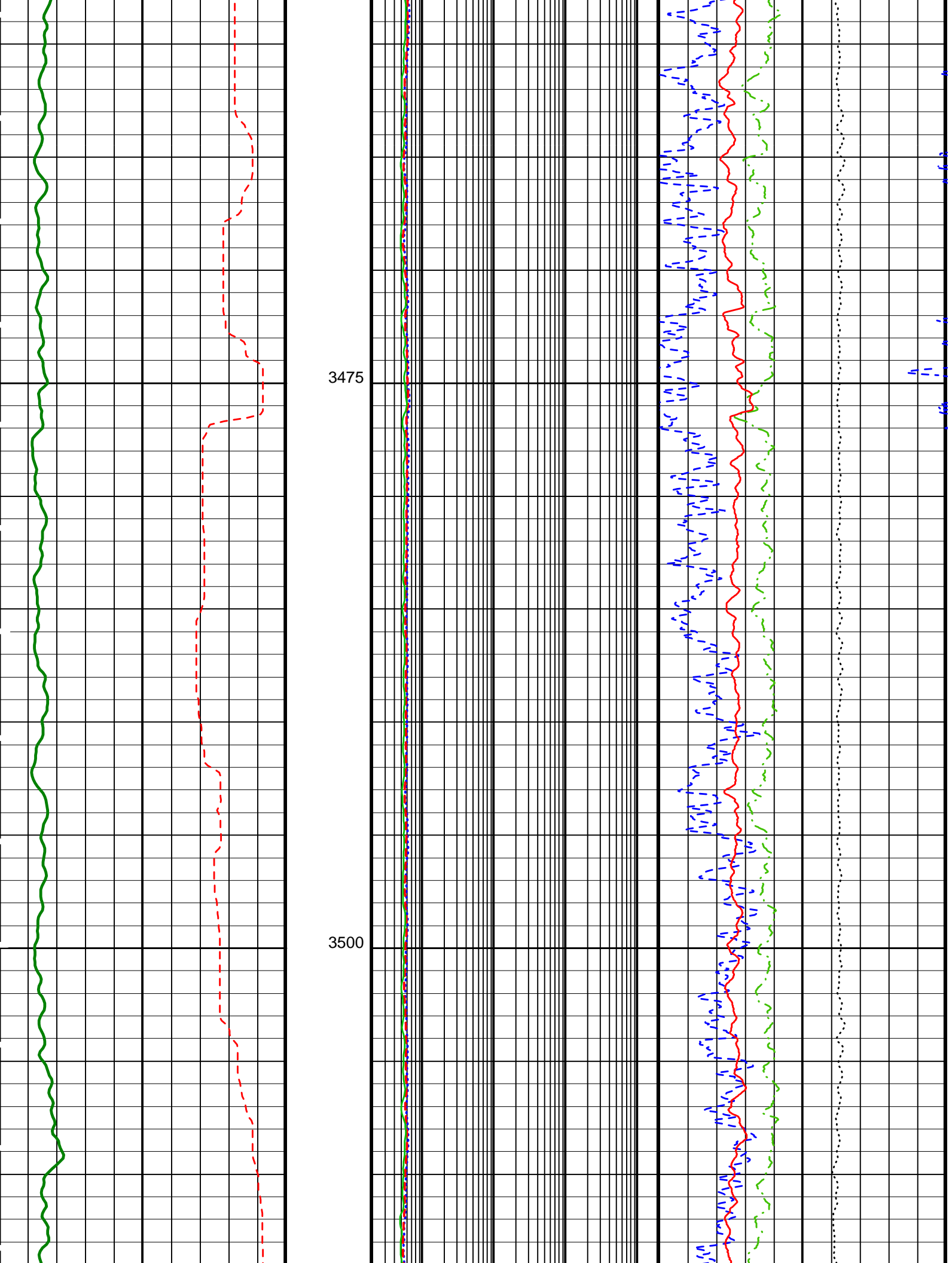


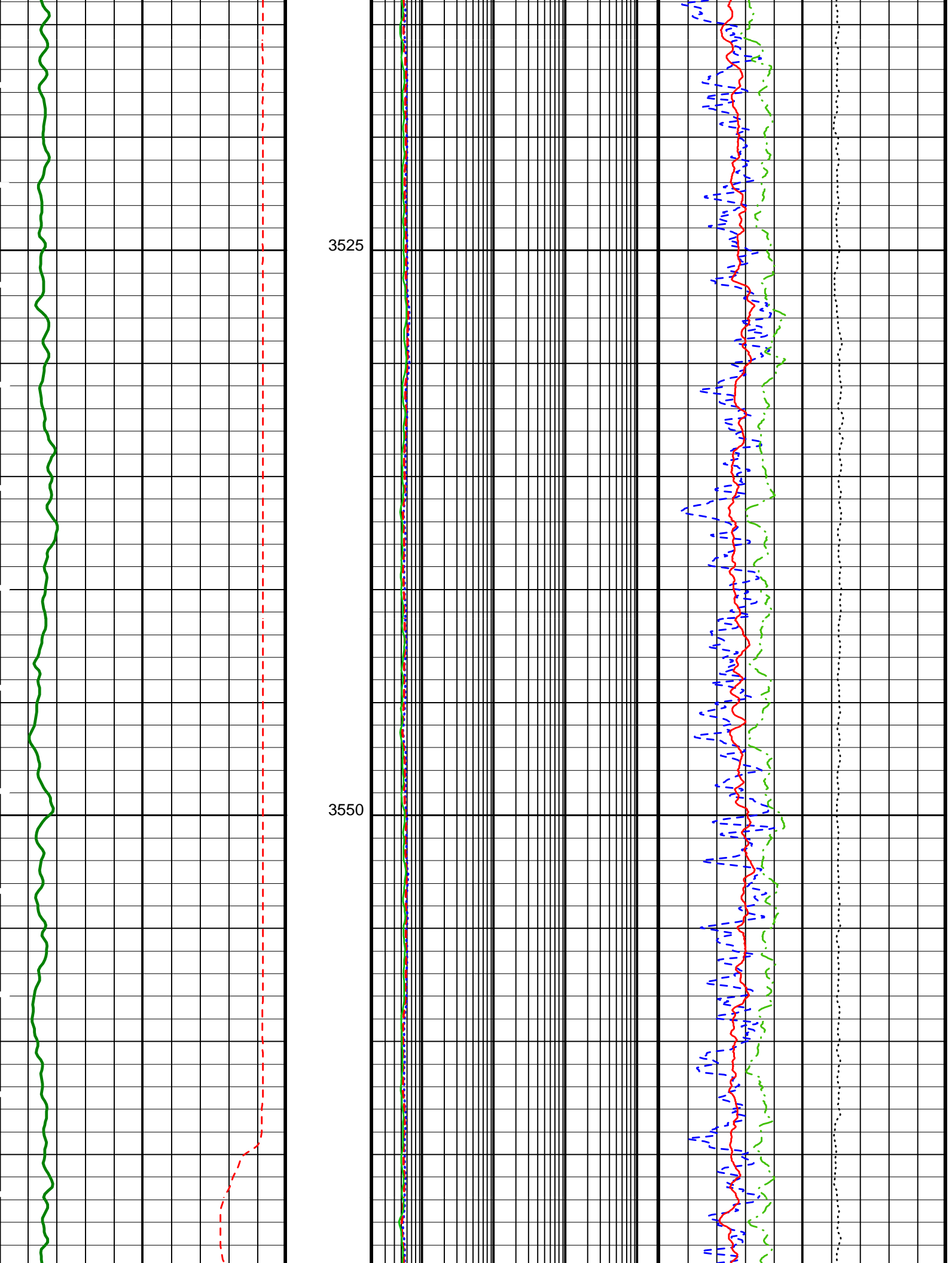


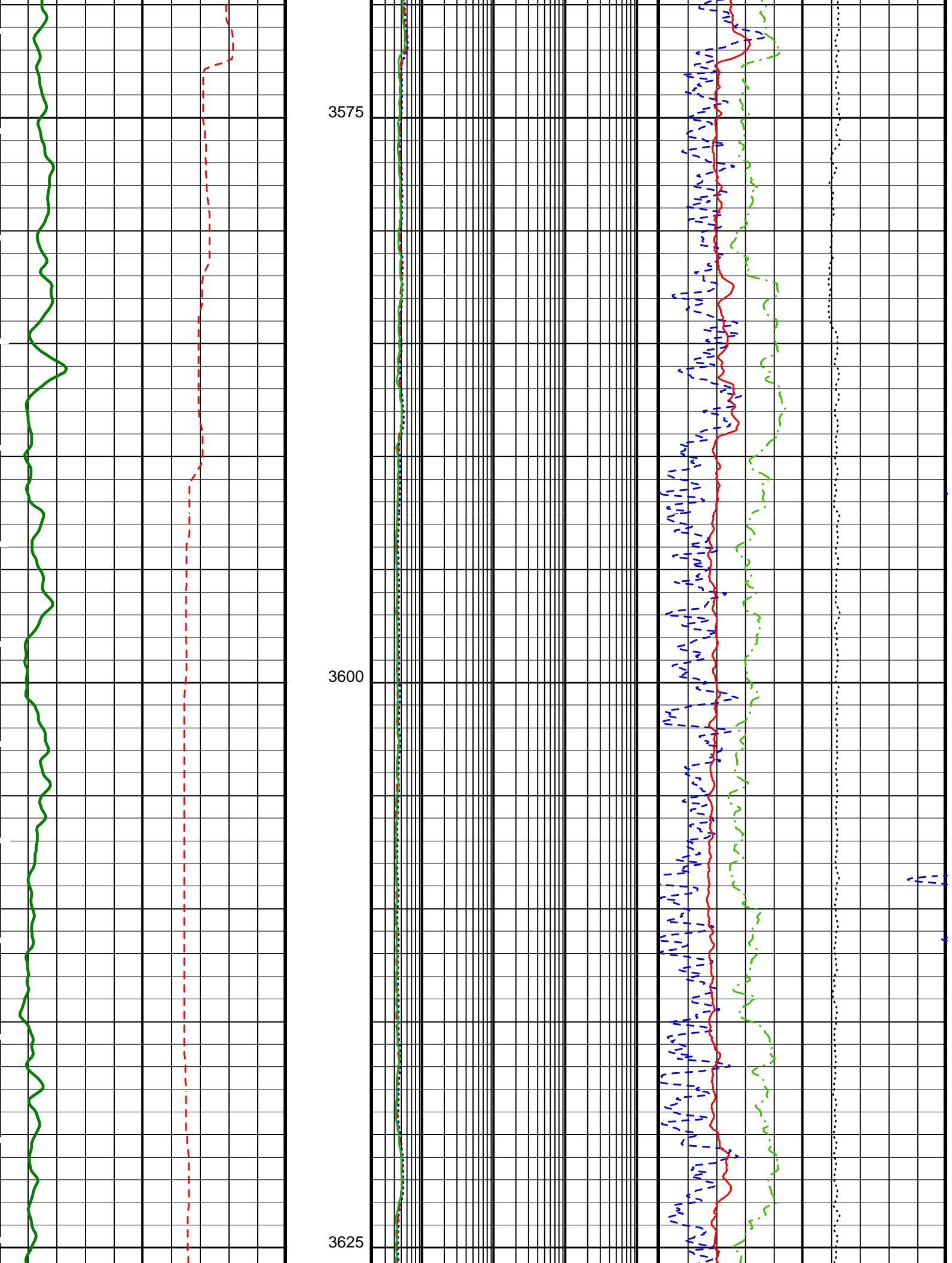
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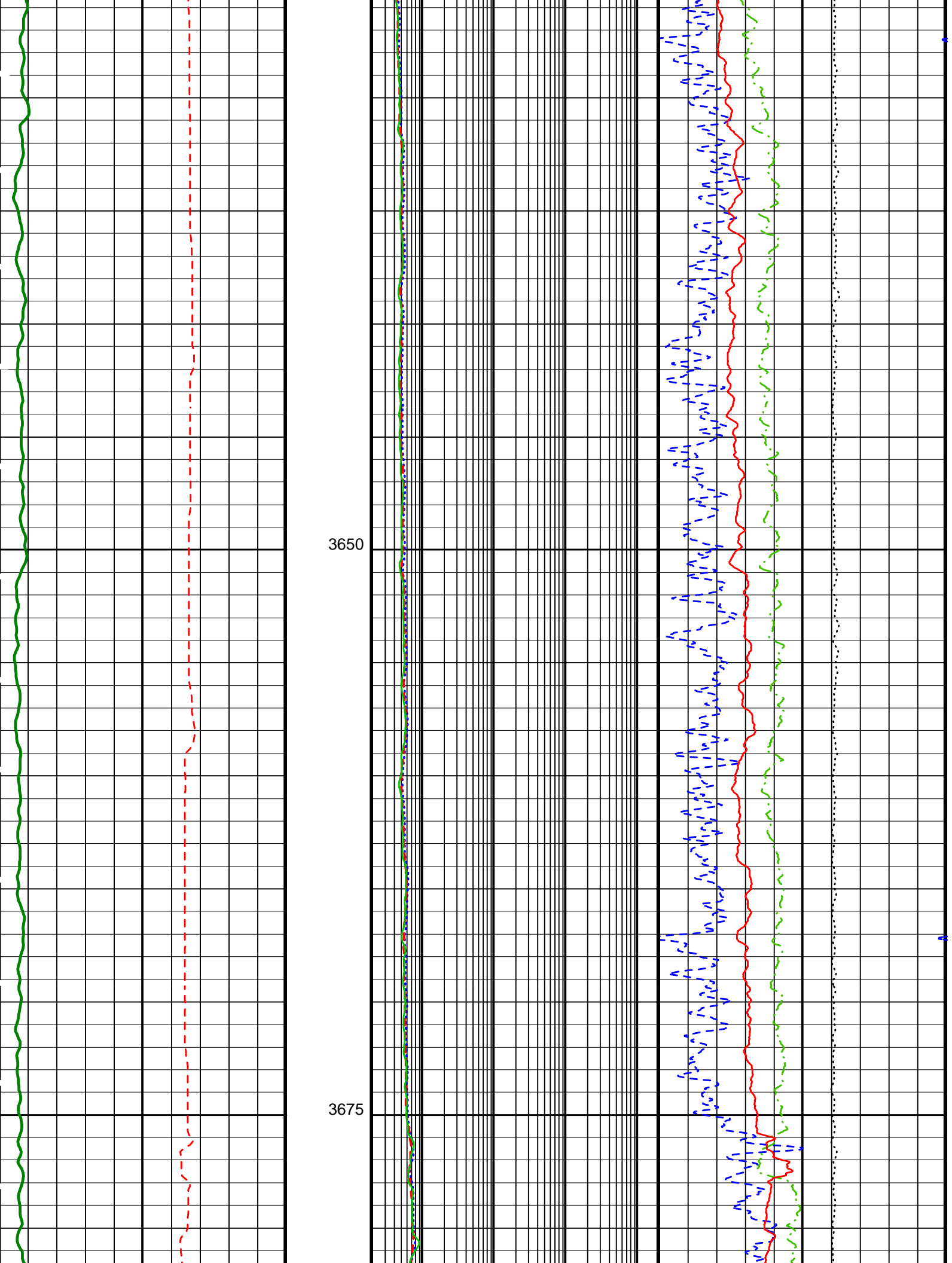
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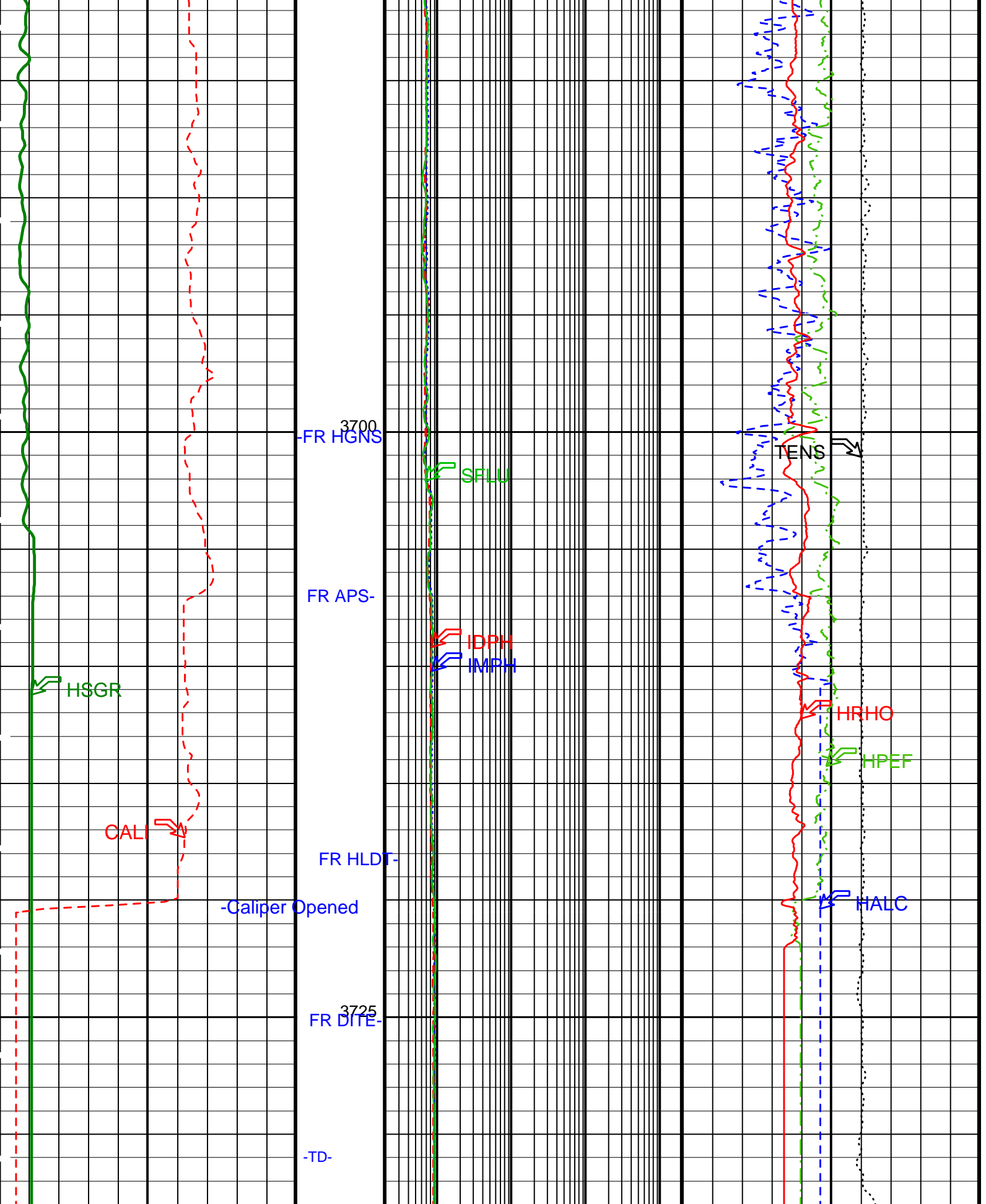






3650

3675



Caliper (CALI)
(IN)

Medium Induction Phasor-processed
Resistivity (IMPH)
(OHMM)

APS HR Near/Array Corrected
Limestone Porosity (HALC)
(PU)

HNGS Spectroscopy Gamma Ray
(HSGR)

Deep Induction Phasor-processed
Resistivity (IDPH)

HiRes PhotoElectric Factor (HPEF)

(HSGR)	(GAPI)	100	0.2	Resistivity (IDPH)	(OHMM)	2000	0	(----	10
			SFL Unaveraged (SFLU)			HiRes Bulk Density (HRHO)			
			0.2	(OHMM)	2000	1	(G/C3)		
						Tension (TENS)			
						10000	(LBF)		

Main Log

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
DIT-E: Dual Induction - E			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	40	DEGF
DGF2	Deep 20 kHz Gain Factor	1.00789	
DPH2	Deep 20 kHz Phase Shift	-0.152394	DEG
DRE2	Deep Real 20 kHz Sonde Error Correction	16.357	MM/M
DSR2	Deep Sigma Reference (20 kHz)	1843	MM/M
DXE2	Deep Quad 20 kHz Sonde Error Correction	64.6326	MM/M
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
IFRS	DIT-E Induction Frequency Selector	20	
IPHA	DIT-E Phasor Processing Mode	ALL	
IPRO	DIT-E Induction Processing Selector	PHASOR	
ITEN	DIT-E Temperature Enable	ENABLE	
MGF2	Medium 20 kHz Gain Factor	1.02964	
MPH2	Medium 20 kHz Phase Shift	-0.933067	DEG
MRE2	Medium Real 20 kHz Sonde Error Correction	-1.78642	MM/M
MSR2	Medium Sigma Reference (20 kHz)	3250	MM/M
MXE2	Medium Quad 20 kHz Sonde Error Correction	-34.2041	MM/M
SFCR	SFL Channel Ratio	1000	
SHT	Surface Hole Temperature	68	DEGF
HLDT-A: Hostile Environment Litho Density - A			
DHC	Density Hole Correction	BS	
DPPM	Density Porosity Processing Mode	HIRS	
QPPS	Quicklook Processing Pe Select	PEFL	
WMUD	Mud Weight	1.07	G/C3
APS-BA: Accelerator-Porosity Tool			
AASD	APS Software Version	5	
ABOS	APS Thermal and Array Detectors High Voltage Setting	1968.98	V
ADSO	APS Neutron Burst-Off Background Subtraction Switch	ON	
AFSD	APS Array Detectors Data Source Switch	Both	
AHCS	APS Far Detector High Voltage Setting	2052.03	V
AHSS	APS Holesize Correction Source	GCSE	
AMTY	APS Holesize Correction Switch	ON	
ANSD	APS Environmental Corrections Mud Type	WaterBaseBarite	
ASOS	APS Near Detector High Voltage Setting	1748.3	V
ATSS	APS Standoff Correction Switch	ON	
BHS	APS Temperature-Pressure-Salinity Correction Switch	OFF	
BHT	Borehole Status	OPEN	
DPPM	Bottom Hole Temperature (used in calculations)	40	DEGF
FSAL	Density Porosity Processing Mode	HIRS	
GCSE	Formation Salinity	-50000	PPM
GDEV	Generalized Caliper Selection	BS	
GGRD	Average Angular Deviation of Borehole from Normal	0	DEG
GTSE	Geothermal Gradient	0.01	DF/F
NARC	Generalized Temperature Selection	LINEAR_ESTIMATE	
NFRC	APS Near/Array Calibration Ratio	1.0631	
SHT	APS Near/Far Calibration Ratio	0.902243	
HNGS-BA: Hostile Natural Gamma Ray Sonde			
BAR1	Surface Hole Temperature	68	DEGF
BAR2	HNGS Detector 1 Barite Constant	1	
BHK	HNGS Detector 2 Barite Constant	1	
BHS	HNGS Borehole Potassium Correction Concentration	0	
BHT	Borehole Status	OPEN	
CSD1	Bottom Hole Temperature (used in calculations)	40	DEGF
CSD2	Inner Casing Outer Diameter	0	IN
CSW1	Outer Casing Outer Diameter	0	IN
CSW2	Inner Casing Weight	0	LB/F
DBCC	Outer Casing Weight	0	LB/F
GCSE	HNGS Barite Constant Correction Flag	NONE	
GDEV	Generalized Caliper Selection	BS	
GGRD	Average Angular Deviation of Borehole from Normal	0	DEG
GTSE	Geothermal Gradient	0.01	DF/F
IFRS	Generalized Temperature Selection	LINEAR_ESTIMATE	

H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00249796	
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	
SHT	Surface Hole Temperature	68	DEGF
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.946744	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.03743	
SGT-N: Scintillation Gamma-Ray - N			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	40	DEGF
DPPM	Density Porosity Processing Mode	HIRS	
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	68	DEGF
HOLEV: Integrated Hole/Cement Volume			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	40	DEGF
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	68	DEGF
System and Miscellaneous			
BS	Bit Size	11.438	IN
BSAL	Borehole Salinity	-50000.00	PPM
CSIZ	Current Casing Size	0.000	IN
CWEI	Casing Weight	0.00	LB/F
DFD	Drilling Fluid Density	1.07	G/C3
TD	Total Depth	-50000	FT

Format: HLDT_HR_TCOM Vertical Scale: 1:200 Graphics File Created: 23-Feb-2002 04:08

OP System Version: 10C0-306

MCM

DIT-E	10C0-306	HLDT-A	10C0-306
DTA-A	10C0-306	NPLC-B	10C0-306
APS-BA	10C0-306	HNGS-BA	10C0-306
SGT-N	10C0-306	DTC-H	10C0-306

Output DLIS Files

DEFAULT	PI_LDL_APS_NGS_007LUP	FN:10	PRODUCER	23-Feb-2002 04:08
REDUCED	PI_LDL_APS_NGS_007LUP	FN:11	PRODUCER	23-Feb-2002 04:08

Output DLIS Files

DEFAULT	PI_LDL_APS_NGS_008LUP	FN:12	PRODUCER	23-Feb-2002 05:54	3733.0 M	3595.3 M
REDUCED	PI_LDL_APS_NGS_008LUP	FN:13	PRODUCER	23-Feb-2002 05:54	3733.0 M	3595.3 M

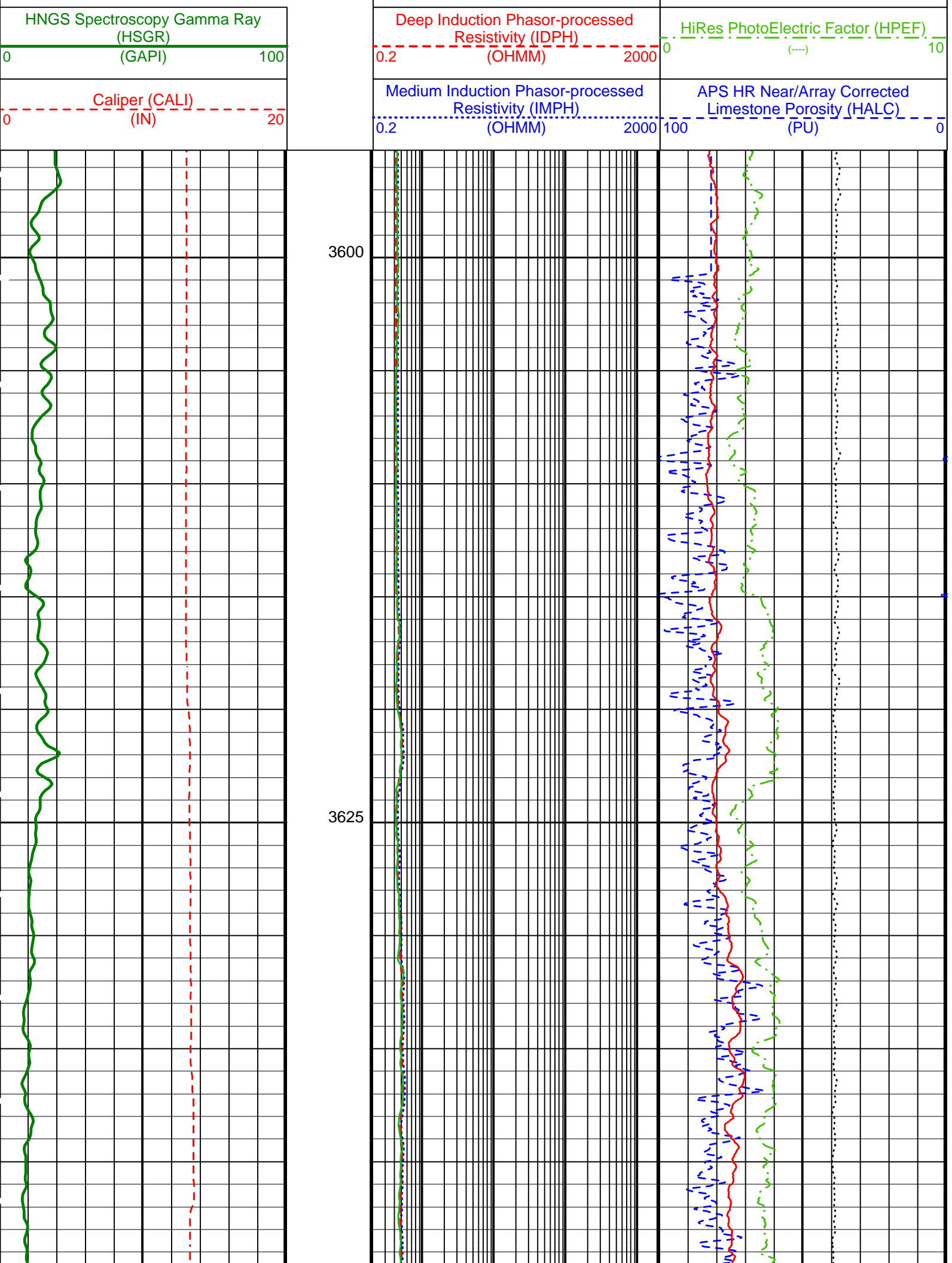
OP System Version: 10C0-306

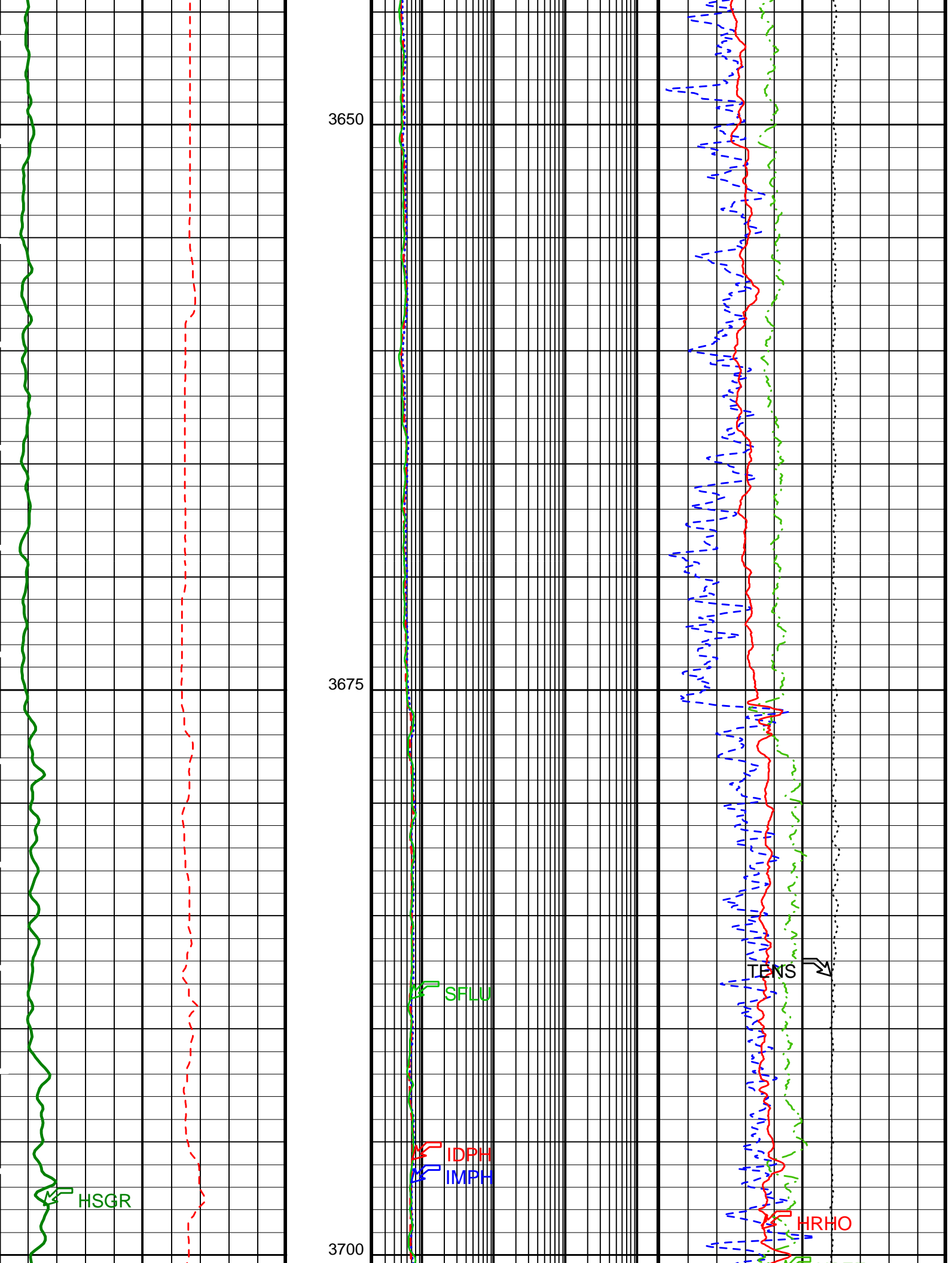
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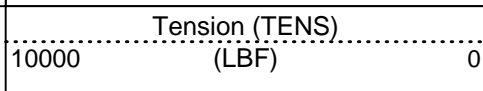
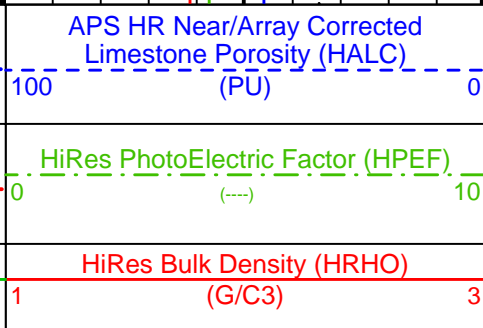
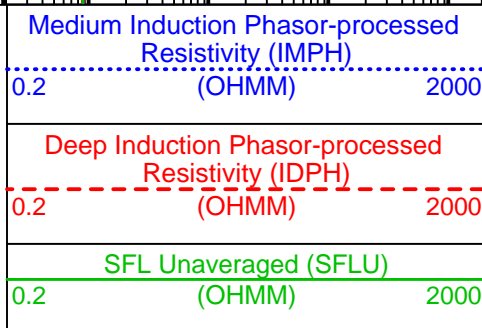
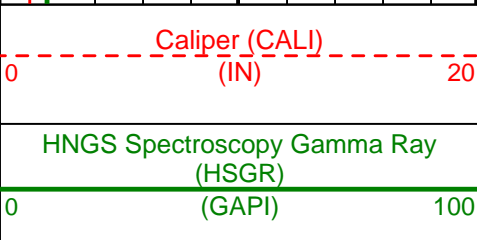
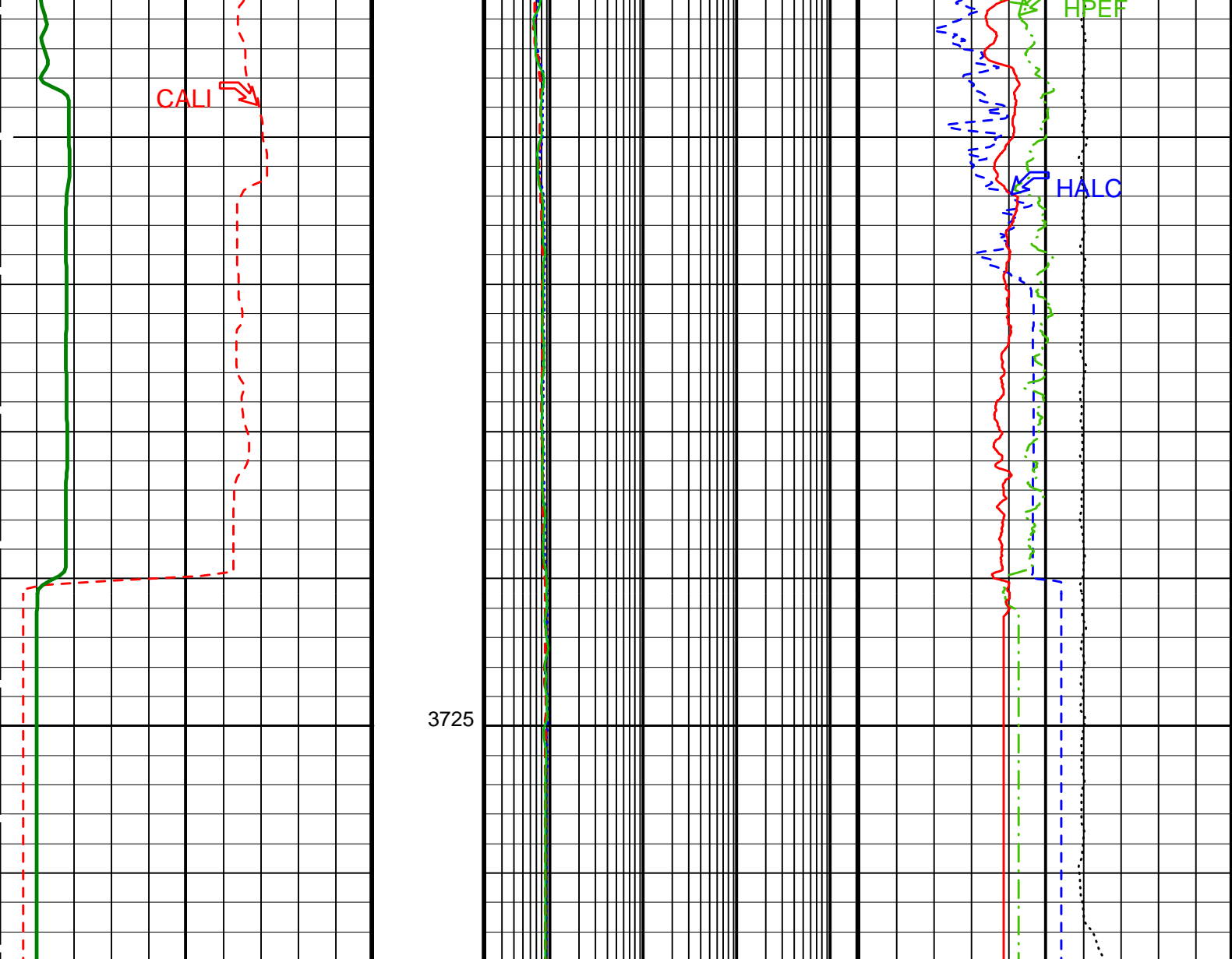
DIT-E	10C0-306	HLDT-A	10C0-306
DTA-A	10C0-306	NPLC-B	10C0-306
APS-BA	10C0-306	HNGS-BA	10C0-306
SGT-N	10C0-306	DTC-H	10C0-306

PIP SUMMARY

REPEAT SECTION		Tension (TENS)			
		10000	(LBF)	0	
REPEAT SECTION		SFL Unaveraged (SFLU)		HiRes Bulk Density (HRHO)	
		0.2	(OHMM)	2000	1







REPEAT SECTION

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DIT-E: Dual Induction - E		
BHS	Borehole Status	OPEN
BHT	Bottom Hole Temperature (used in calculations)	40 DEG
DGF2	Deep 20 kHz Gain Factor	1.00789
DPH2	Deep 20 kHz Phase Shift	-0.152394 DEG
DRE2	Deep Real 20 kHz Sonde Error Correction	16.357 MM/M
DSR2	Deep Sigma Reference (20 kHz)	1843 MM/M
DXE2	Deep Quad 20 kHz Sonde Error Correction	64.6326 MM/M
GCSE	Generalized Caliper Selection	CALI
GDEV	Average Angular Deviation of Borehole from Normal	0 DEG

GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
IFRS	DIT-E Induction Frequency Selector	20	
IPHA	DIT-E Phasor Processing Mode	ALL	
IPRO	DIT-E Induction Processing Selector	PHASOR	
ITEN	DIT-E Temperature Enable	ENABLE	
MGF2	Medium 20 kHz Gain Factor	1.02964	
MPH2	Medium 20 kHz Phase Shift	-0.933067	DEG
MRE2	Medium Real 20 kHz Sonde Error Correction	-1.78642	MM/M
MSR2	Medium Sigma Reference (20 kHz)	3250	MM/M
MXE2	Medium Quad 20 kHz Sonde Error Correction	-34.2041	MM/M
SFCR	SFL Channel Ratio	1000	
SHT	Surface Hole Temperature	68	DEGF
	HLDT-A: Hostile Environment Litho Density - A		
DHC	Density Hole Correction	BS	
DPPM	Density Porosity Processing Mode	HIRS	
QPPS	Quicklook Processing Pe Select	PEFL	
WMUD	Mud Weight	1.07	G/C3
	APS-BA: Accelerator-Porosity Tool		
	APS Software Version	5	
AASD	APS Thermal and Array Detectors High Voltage Setting	1968.98	V
ABOS	APS Neutron Burst-Off Background Subtraction Switch	ON	
ADSO	APS Array Detectors Data Source Switch	Both	
AFSD	APS Far Detector High Voltage Setting	2052.03	V
AHCS	APS Holesize Correction Source	GCSE	
AHSS	APS Holesize Correction Switch	ON	
AMTY	APS Environmental Corrections Mud Type	WaterBaseBarite	
ANSD	APS Near Detector High Voltage Setting	1748.3	V
ASOS	APS Standoff Correction Switch	ON	
ATSS	APS Temperature-Pressure-Salinity Correction Switch	OFF	
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	40	DEGF
DPPM	Density Porosity Processing Mode	HIRS	
FSAL	Formation Salinity	-50000	PPM
GCSE	Generalized Caliper Selection	CALI	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
NARC	APS Near/Array Calibration Ratio	1.0631	
NFRC	APS Near/Far Calibration Ratio	0.902243	
SHT	Surface Hole Temperature	68	DEGF
	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	
BHT	Bottom Hole Temperature (used in calculations)	40	DEGF
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	CALI	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00412388	
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	
SHT	Surface Hole Temperature	68	DEGF
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.964524	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.03908	
	SGT-N: Scintillation Gamma-Ray - N		
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	40	DEGF
DPPM	Density Porosity Processing Mode	HIRS	
GCSE	Generalized Caliper Selection	CALI	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	68	DEGF
	HOLEV: Integrated Hole/Cement Volume		
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	40	DEGF
GCSE	Generalized Caliper Selection	CALI	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG

GGRD	Geothermal Gradient	0.01	DF/F
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	68	DEGF
System and Miscellaneous			
BS	Bit Size	11.438	IN
BSAL	Borehole Salinity	-50000.00	PPM
CSIZ	Current Casing Size	0.000	IN
CWEI	Casing Weight	0.00	LB/F
DFD	Drilling Fluid Density	1.07	G/C3
TD	Total Depth	-50000	FT

Format: HLDT_HR_TCOM Vertical Scale: 1:200 Graphics File Created: 23-Feb-2002 05:54

OP System Version: 10C0-306
MCM

DIT-E	10C0-306	HLDT-A	10C0-306
DTA-A	10C0-306	NPLC-B	10C0-306
APS-BA	10C0-306	HNGS-BA	10C0-306
SGT-N	10C0-306	DTC-H	10C0-306

Output DLIS Files

DEFAULT	PI_LDL_APS_NGS_008LUP	FN:12	PRODUCER	23-Feb-2002 05:54
REDUCED	PI_LDL_APS_NGS_008LUP	FN:13	PRODUCER	23-Feb-2002 05:54

Company: Lamont Doherty



Well: ODP Leg 201, Site 1226B EQP-1A
Field: Equatorial Pacific
Rig: JOIDES Resolution
Ocean: Pacific

IPLT Triple Combo
with Phasor Induction