

COMPANY: Lamont Doherty

WELL: ODP Leg 194, Site 1195B

FIELD: Marion Plateau

Country: Australia Ocean: Pacific Ocean

Country: Australia
Field: Marion Plateau
Location: Rig- Joides Resolution
Well: ODP Leg 194, Site 1195B
Company: Lamont Doherty



Phasor Induction-Natural Gamma Ray

LOCATION		Rig- Joides Resolution		Elev.: K.B. 11.3 m G.L. -430.8 m D.F. 11 m	
Permanent Datum:		GROUND LEVEL		Elev.: _____	
Log Measured From: _____		DES		above Perm. Datum	
Drilling Measured From: _____		DES			
API Serial No. _____		SECTION _____		TOWNSHIP _____	
				RANGE _____	

Logging Date	Run Number	Run 1	Run 2	Run
1/29/01	1			
Depth Driller	951.24 m			
Schlumberger Depth	949.5 m			
Bottom Log Interval	947.5 m			
Top Log Interval	418.5 m			
Casing Driller Size @ Depth	0.000 in @ 513.57 m			
Casing Schlumberger	509 m @			
Bit Size	9.875 in			
Type Fluid In Hole				
Density	1.1 g/cm3			
Fluid Loss	PH			
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	99			
Location	Houston			
Recorded By	Steve Kittredge			
Witnessed By	Heike Dalius, Gregor Eberli			

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Bit Size	9.875 in			
Type Fluid In Hole				
Density	1.1 g/cm3			
Fluid Loss	PH			
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	99			
Location	Houston			
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Bit Size	9.875 in			
Type Fluid In Hole				
Density	1.1 g/cm3			
Fluid Loss	PH			
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	99			
Location	Houston			
Recorded By	Steve Kittredge			
Witnessed By	Heike Dalius, Gregor Eberli			

DISCLAIMER
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OTHER SERVICES1
 OS1:
 OS2: WSTA
 OS3:
 OS4:
 OS5:

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

REMARKS: RUN NUMBER 1
 Hole Cored With RCB.
 WHC used on all runs.
 Seas calm.
 Log Measured in Meters Below Rig Floor (MBRF).
 Sea Floor Driller- 430.8 MBRF.
 Sea Floor Logger- 429 MBRF.
 Drill Pipe Driller- 513 MBRF.
 Drill Pipe Logger- 509 MBRF.
 TD Driller- 951.24 MBRF.
 TD Logger- 949.5 MBRF.
 Did not run Lamont GR due to hole conditions.
 Lamont Temp tool was run.

REMARKS: RUN NUMBER 2

RUN 1
 SERVICE ORDER #:
 PROGRAM VERSION: 9C1-303
 FLUID LEVEL:

RUN 2
 SERVICE ORDER #:
 PROGRAM VERSION:
 FLUID LEVEL:

LOGGED INTERVAL	START	STOP



LOGGED INTERVAL	START	STOP

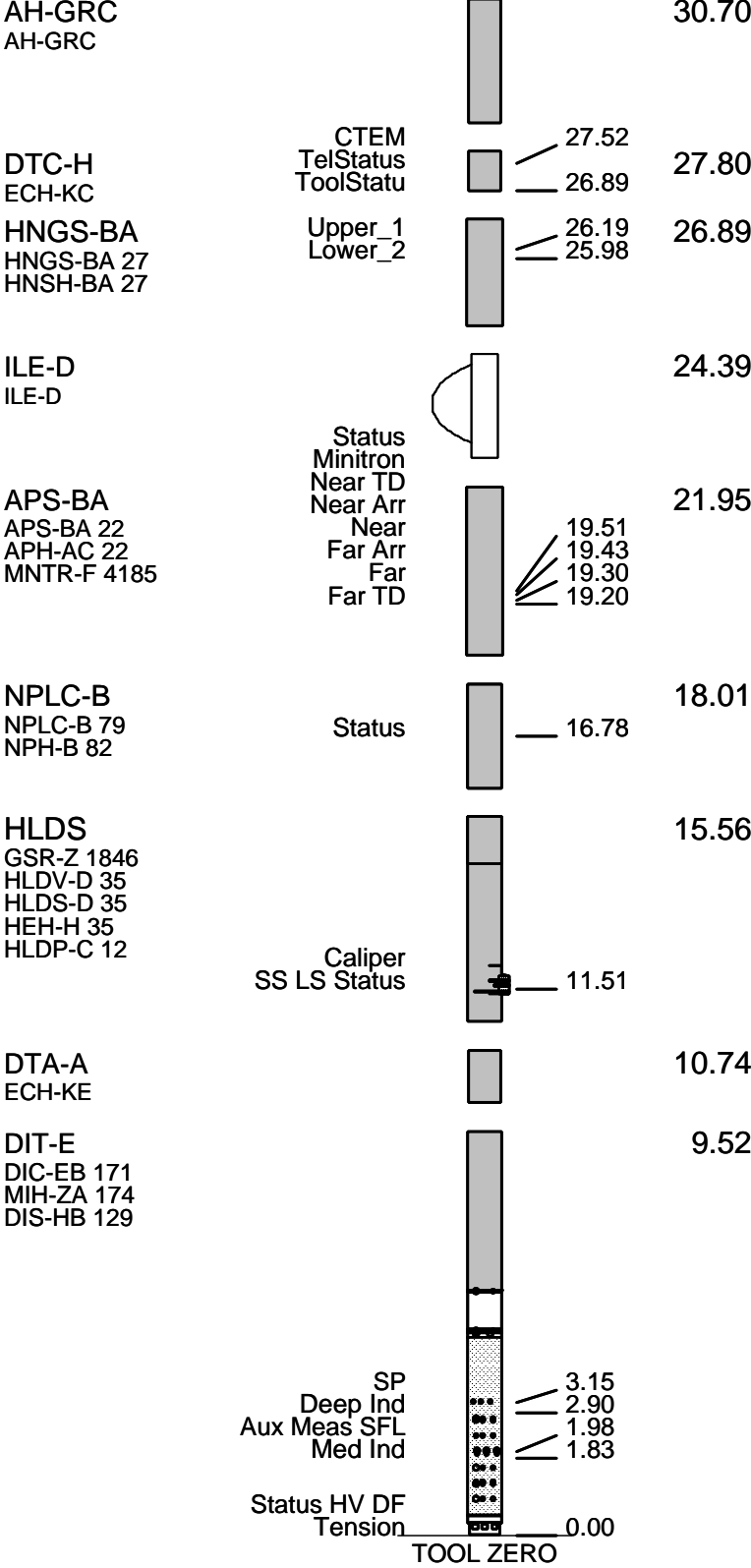
EQUIPMENT DESCRIPTION

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

RUN 2

DOWNHOLE EQUIPMENT

LEH-QT		34.33
LEH-QT		
AH-GRS		33.44
AH-GRS		



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

Output DLIS Files

DEFAULT	DITE .028	FN:15 PRODUCER	29-Jan-2001 06:35	948.7 M	418.5 M
TCOMBO_CUST	DITE .028	FN:16 PRODUCER	29-Jan-2001 06:35	948.7 M	418.5 M

OP System Version: 9C1-303
MCM

MAIN UP LOG

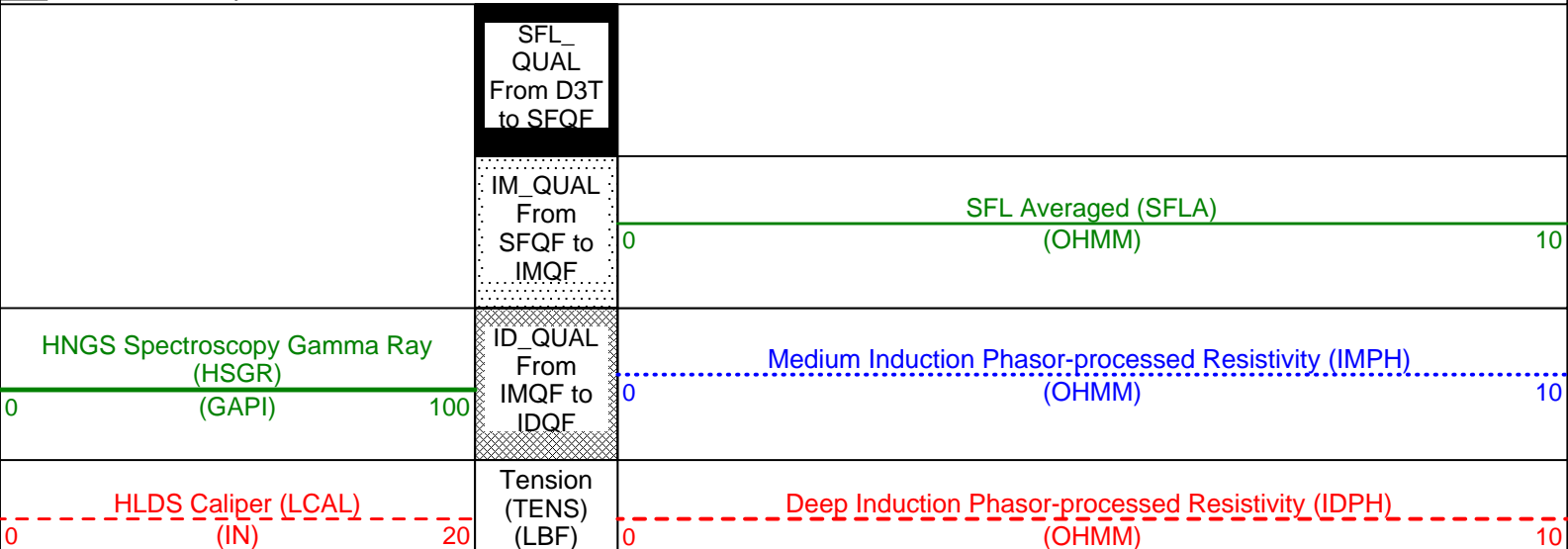
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HLDS	OP91-kp2	NPLC-B	OP91-kp2
APS-BA	OP91-kp2	HNGS-BA	OP91-kp2
DTC-H	OP91-kp2		

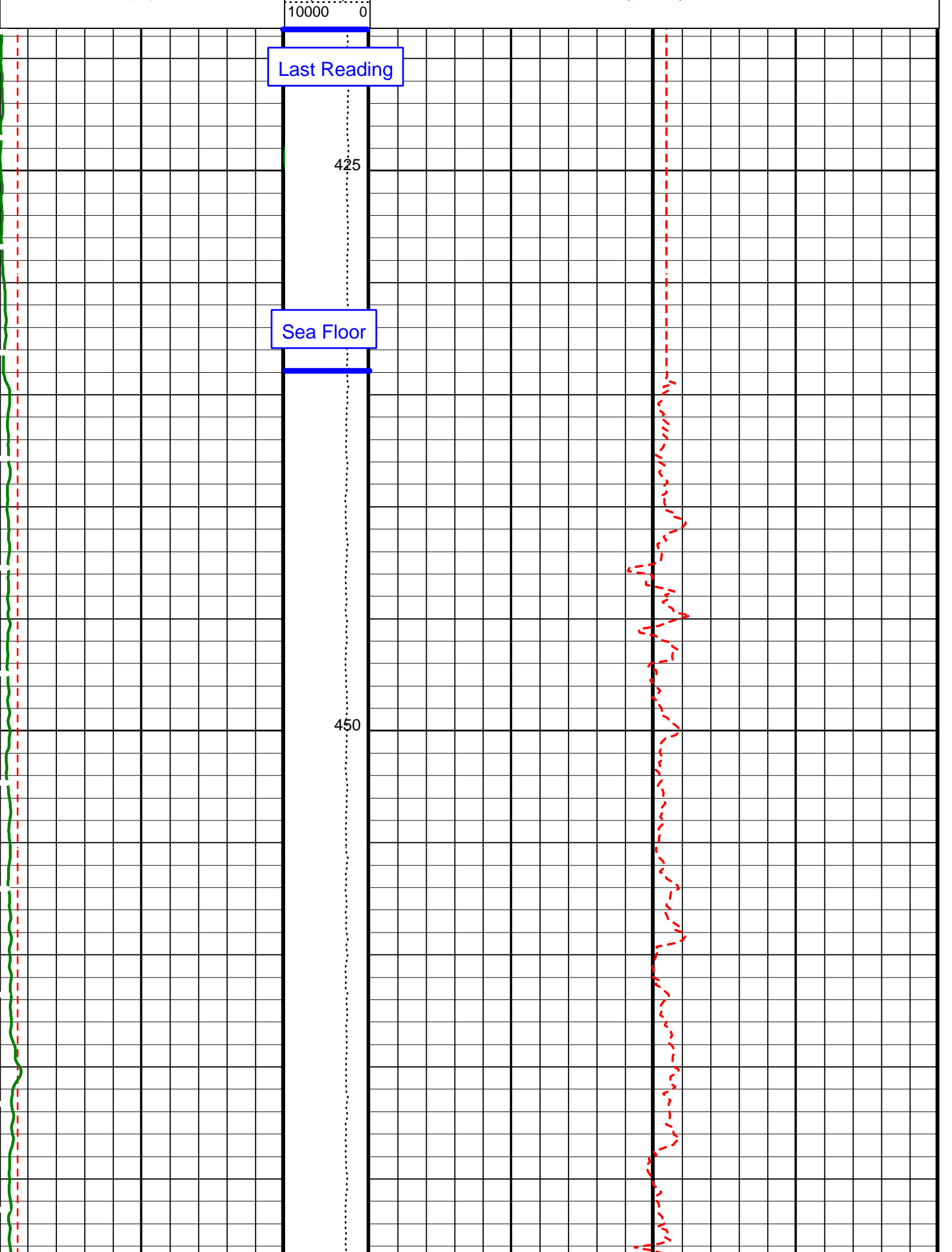
Changed Parameter Summary

DLIS Name	New Value	Previous Value	Depth & Time
BS	10.250 IN	9.875 IN	686.4 07:35:16
GCSE	BS	LCAL	548.0 08:05:49

PIP SUMMARY

Time Mark Every 60 S





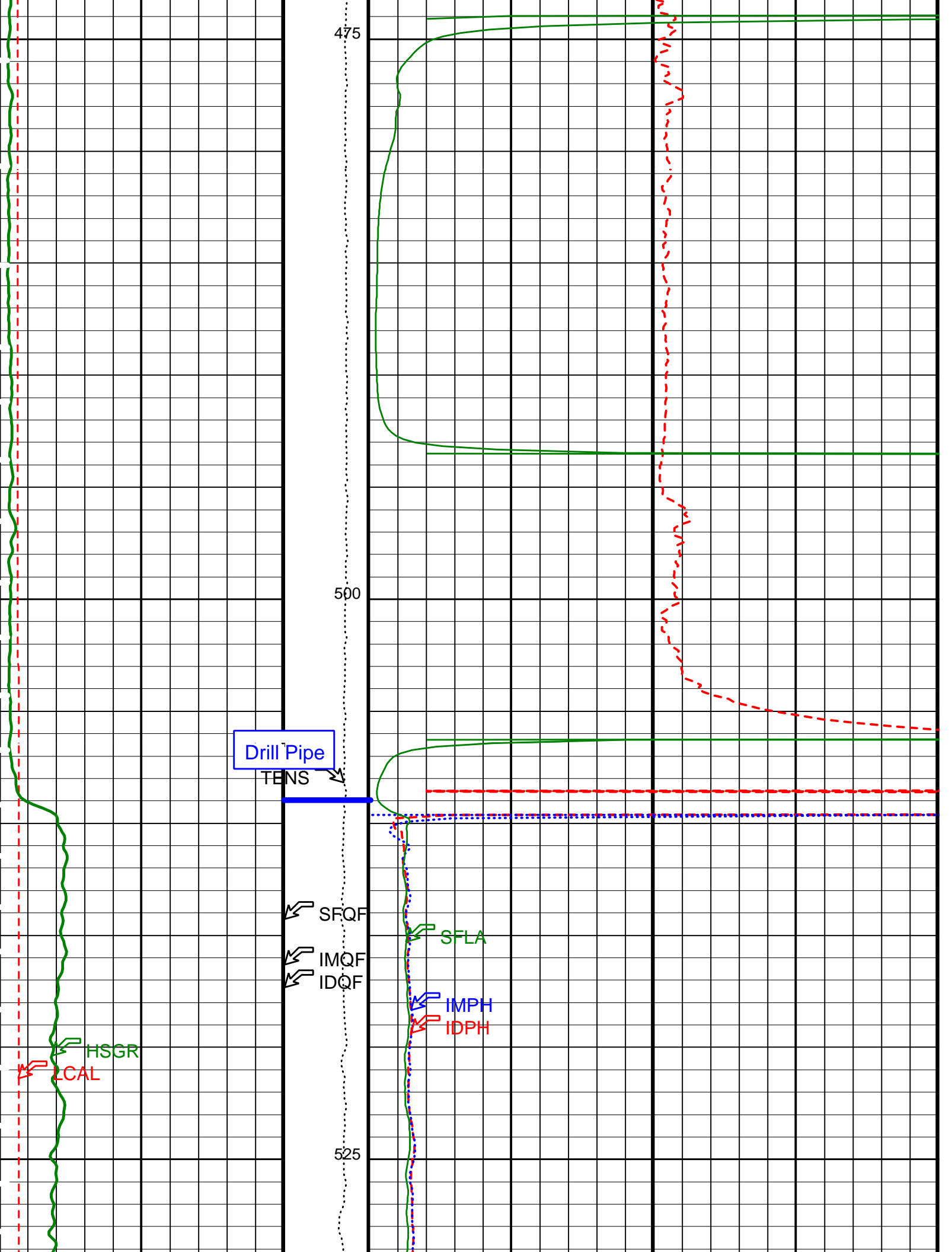
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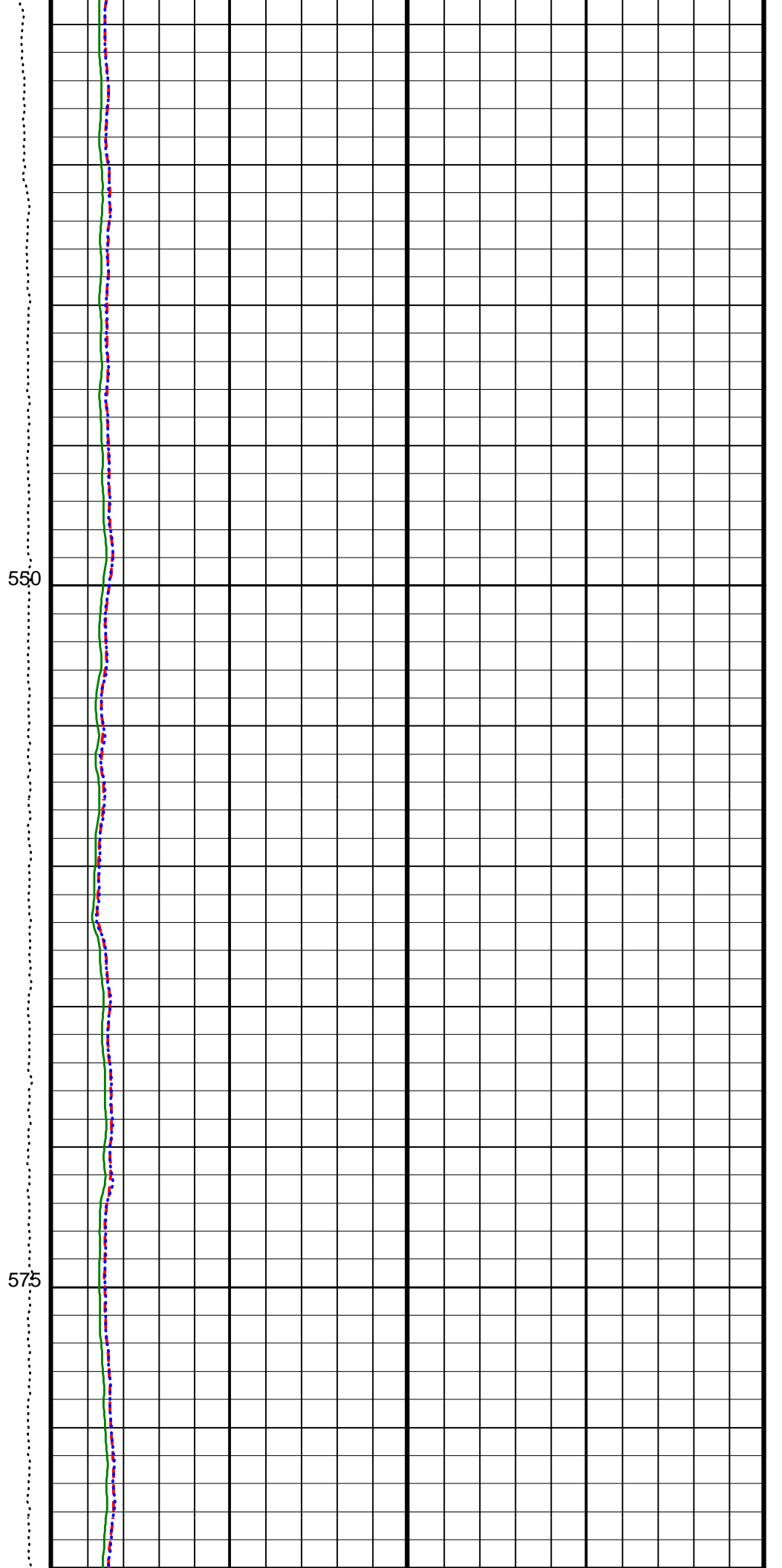
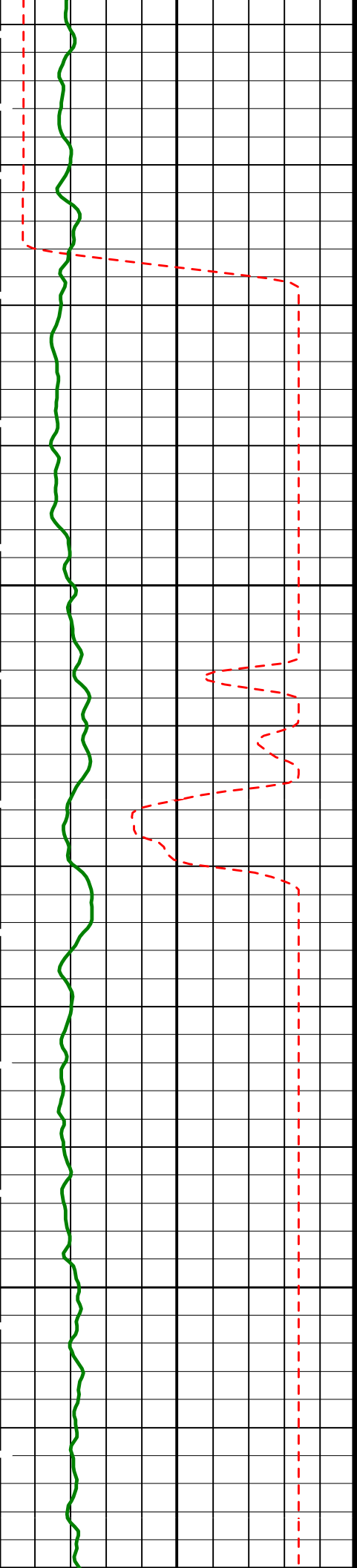
Last Reading

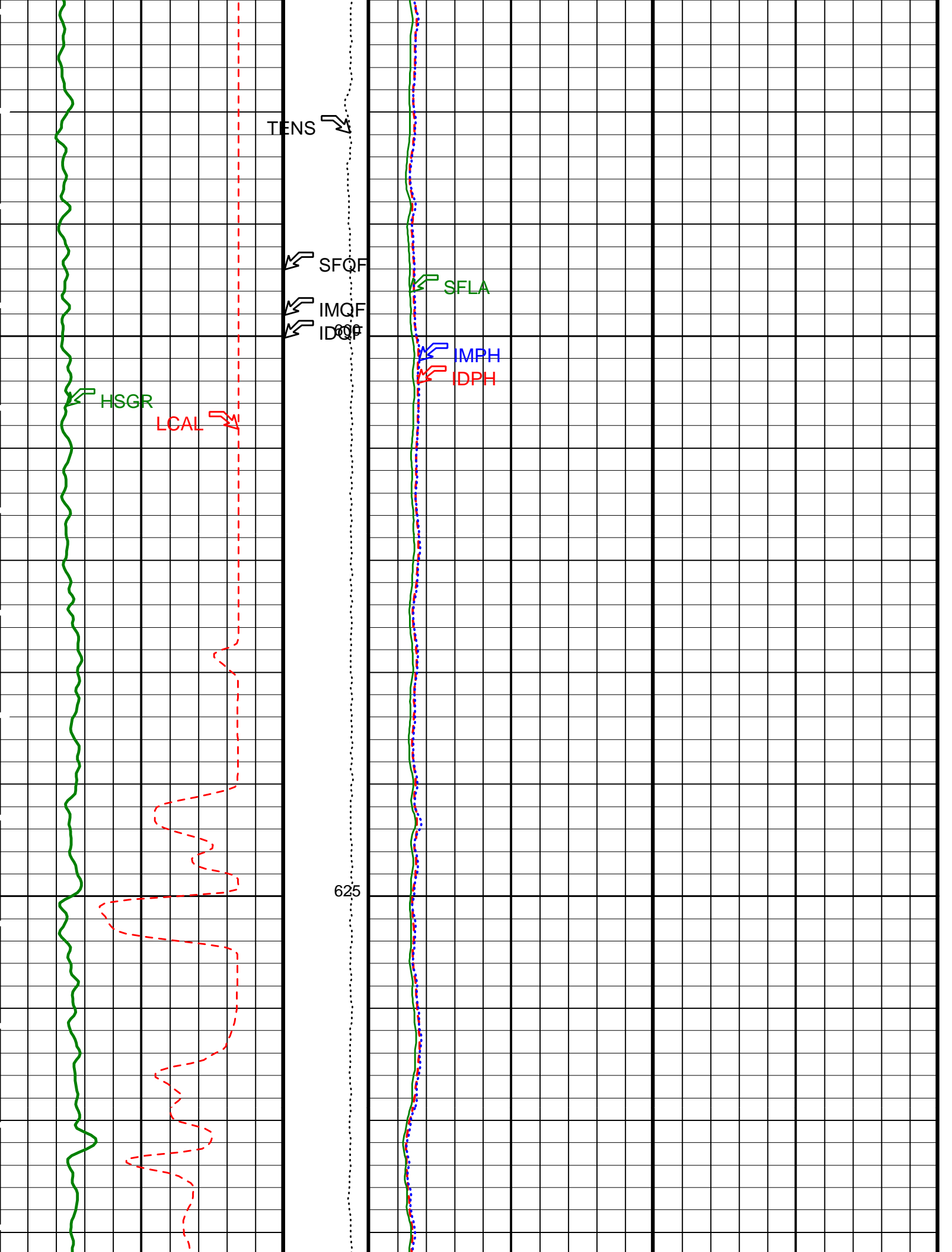
Sea Floor

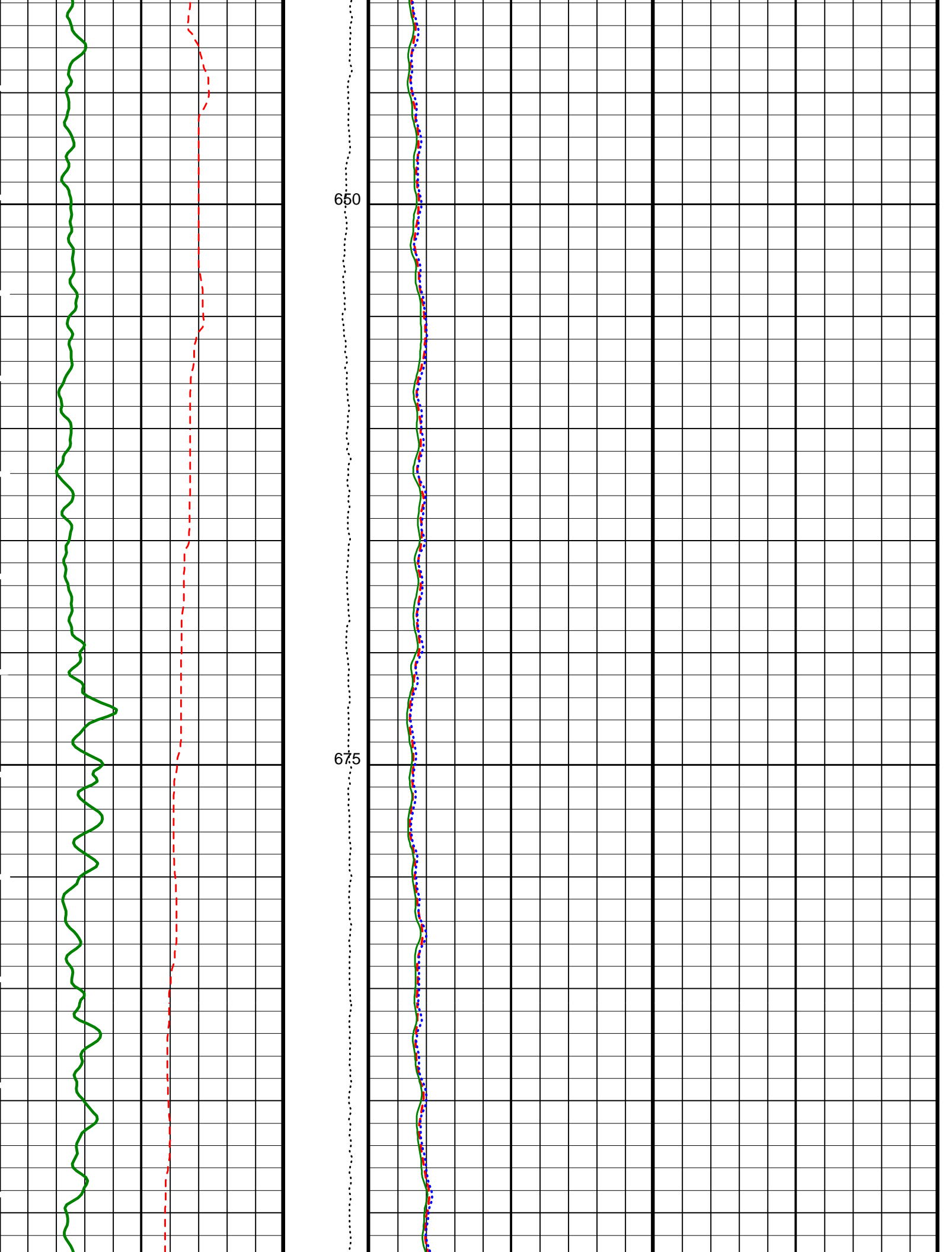
425

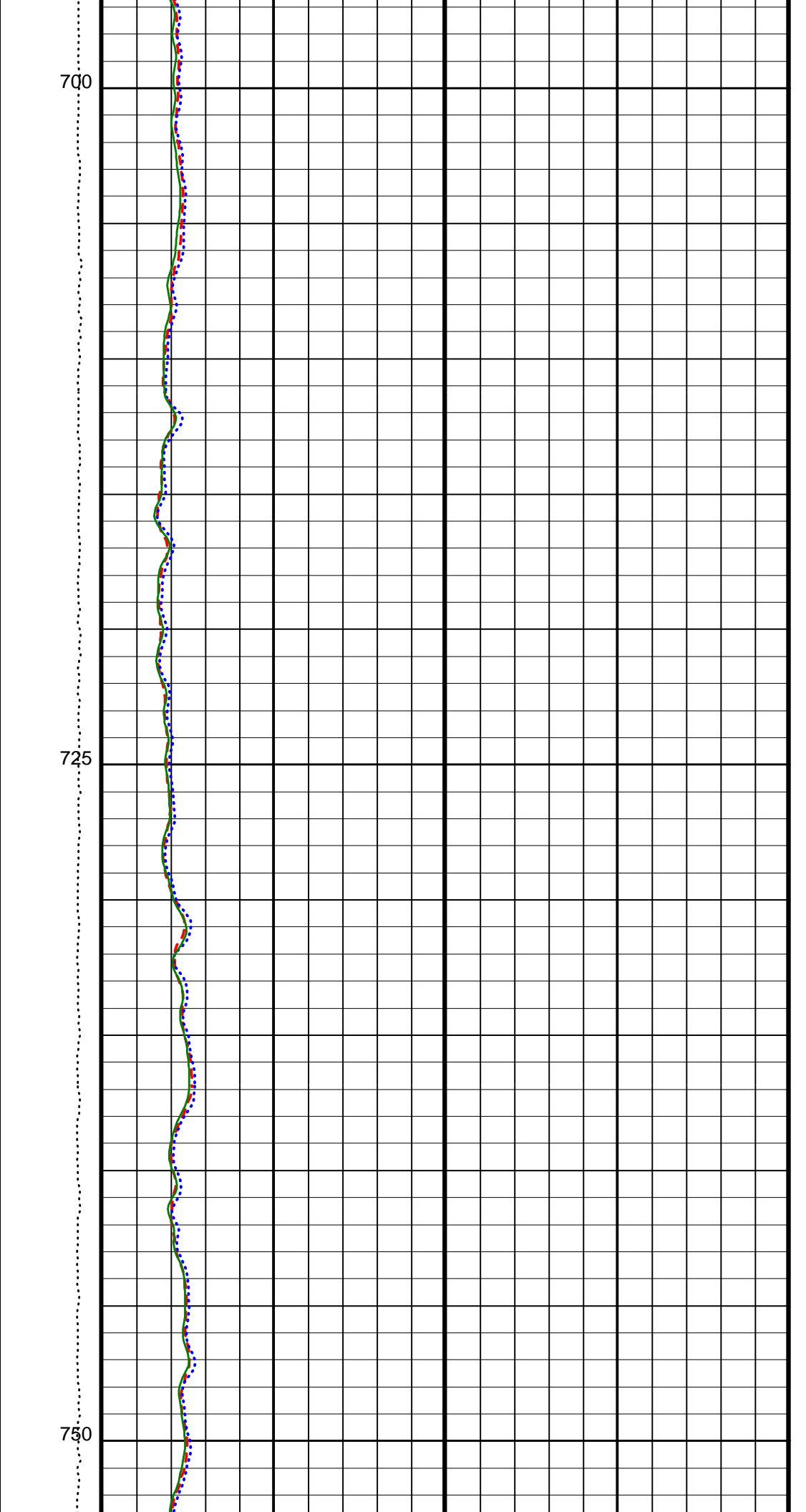
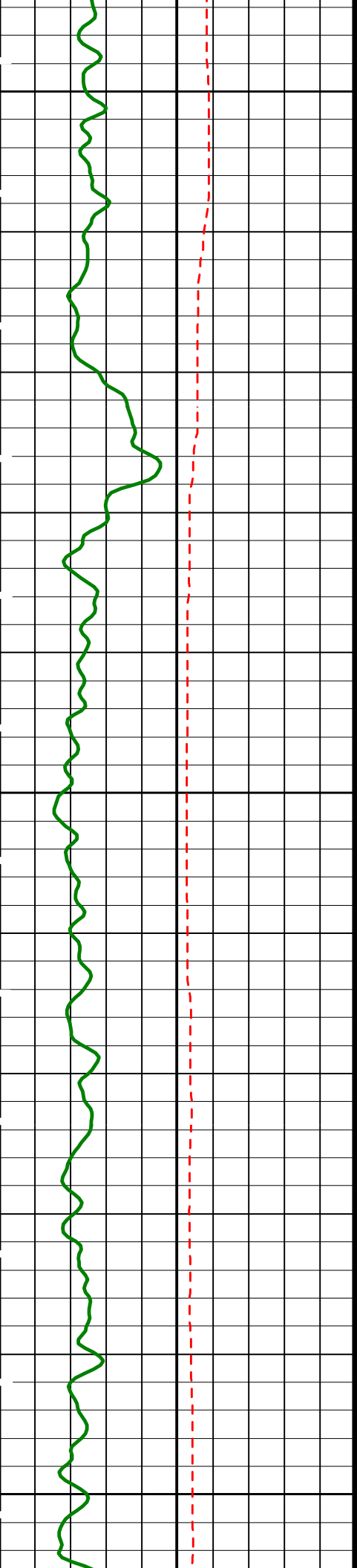
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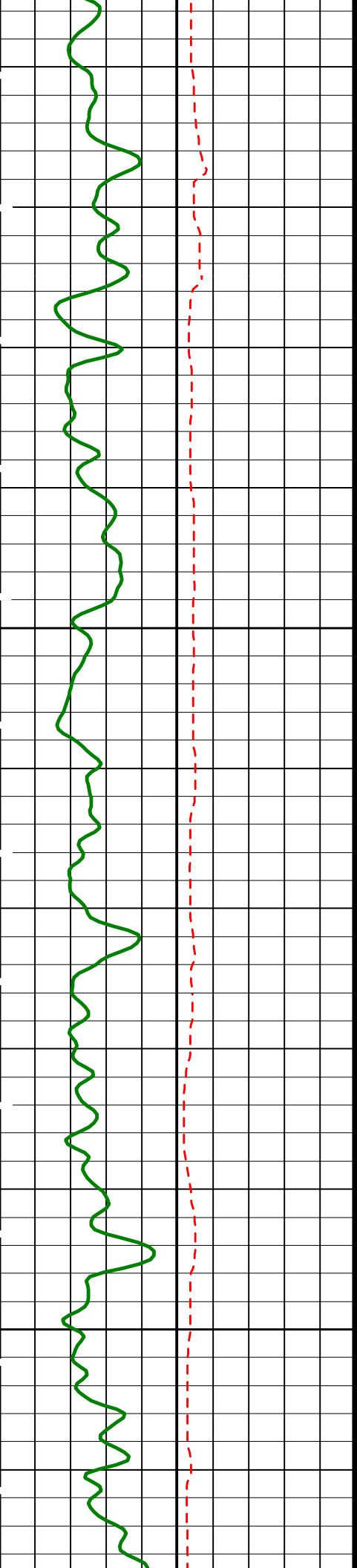






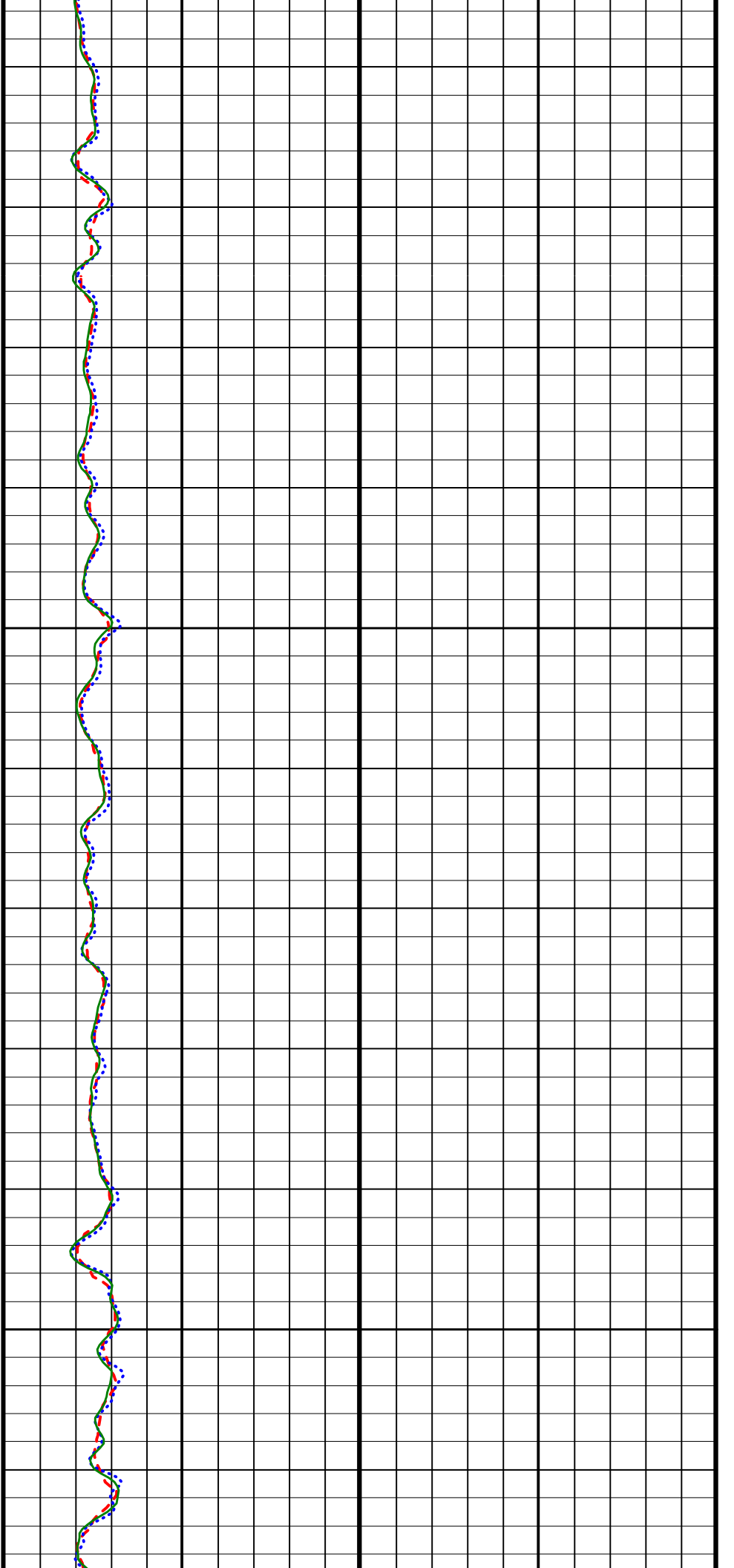


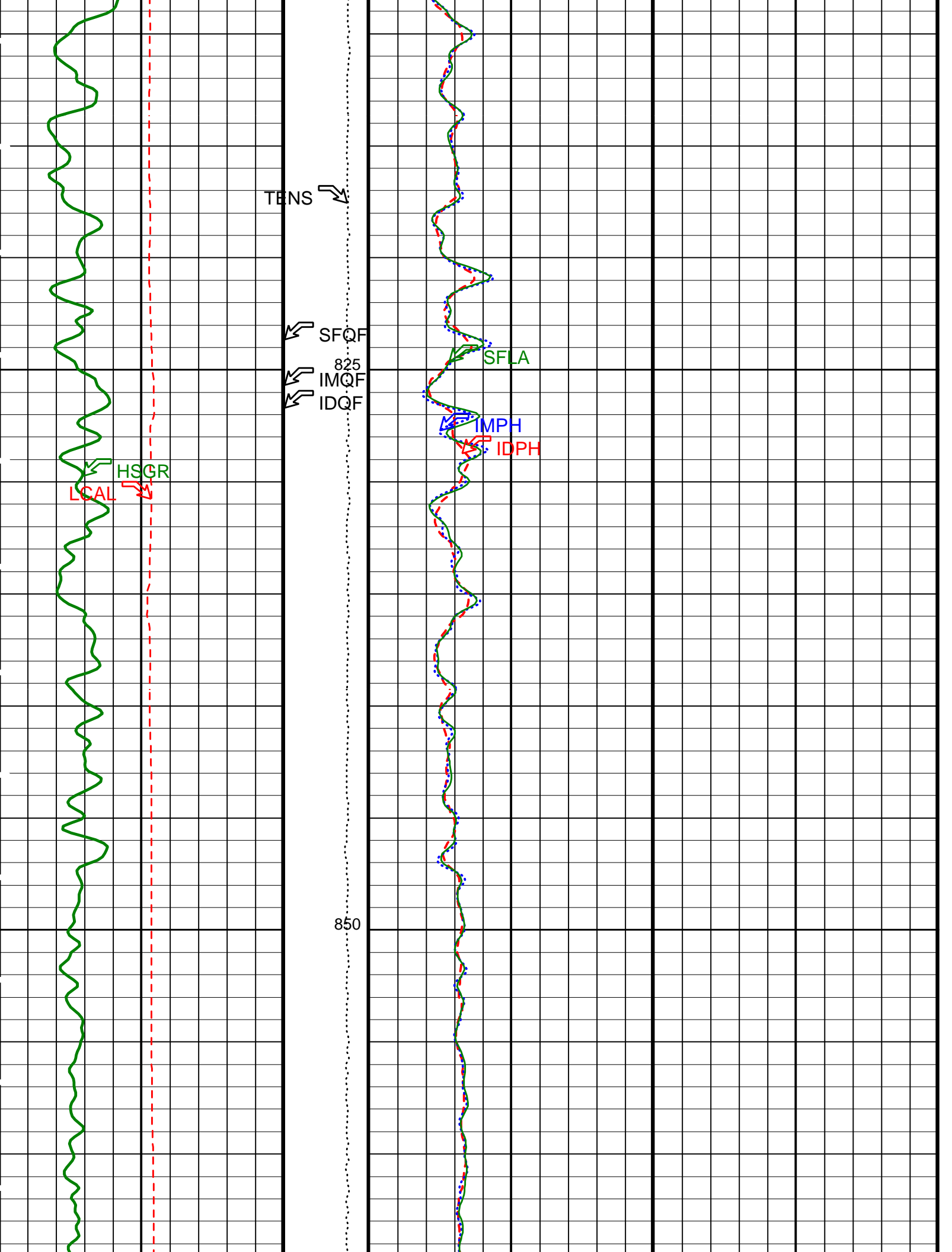


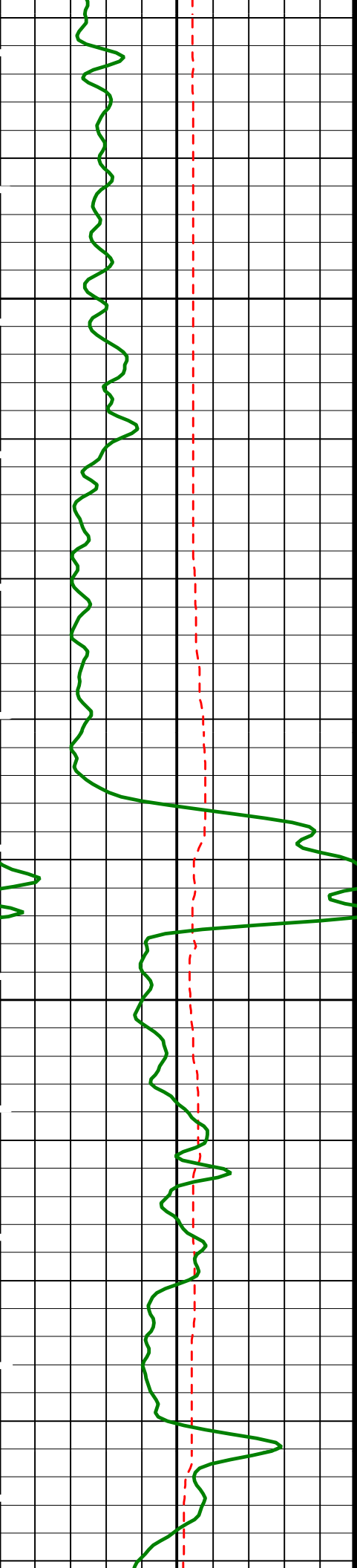


775

800

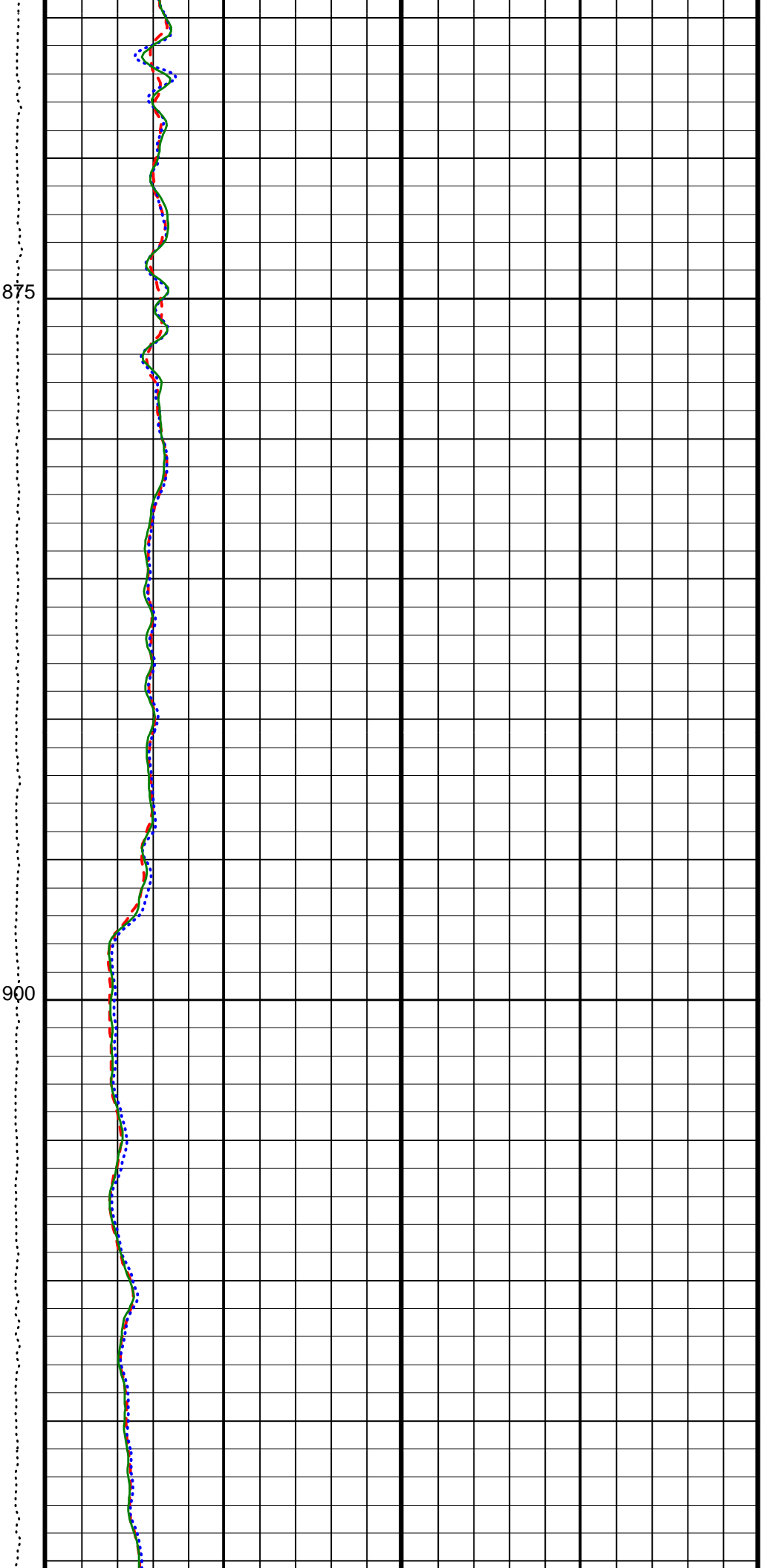


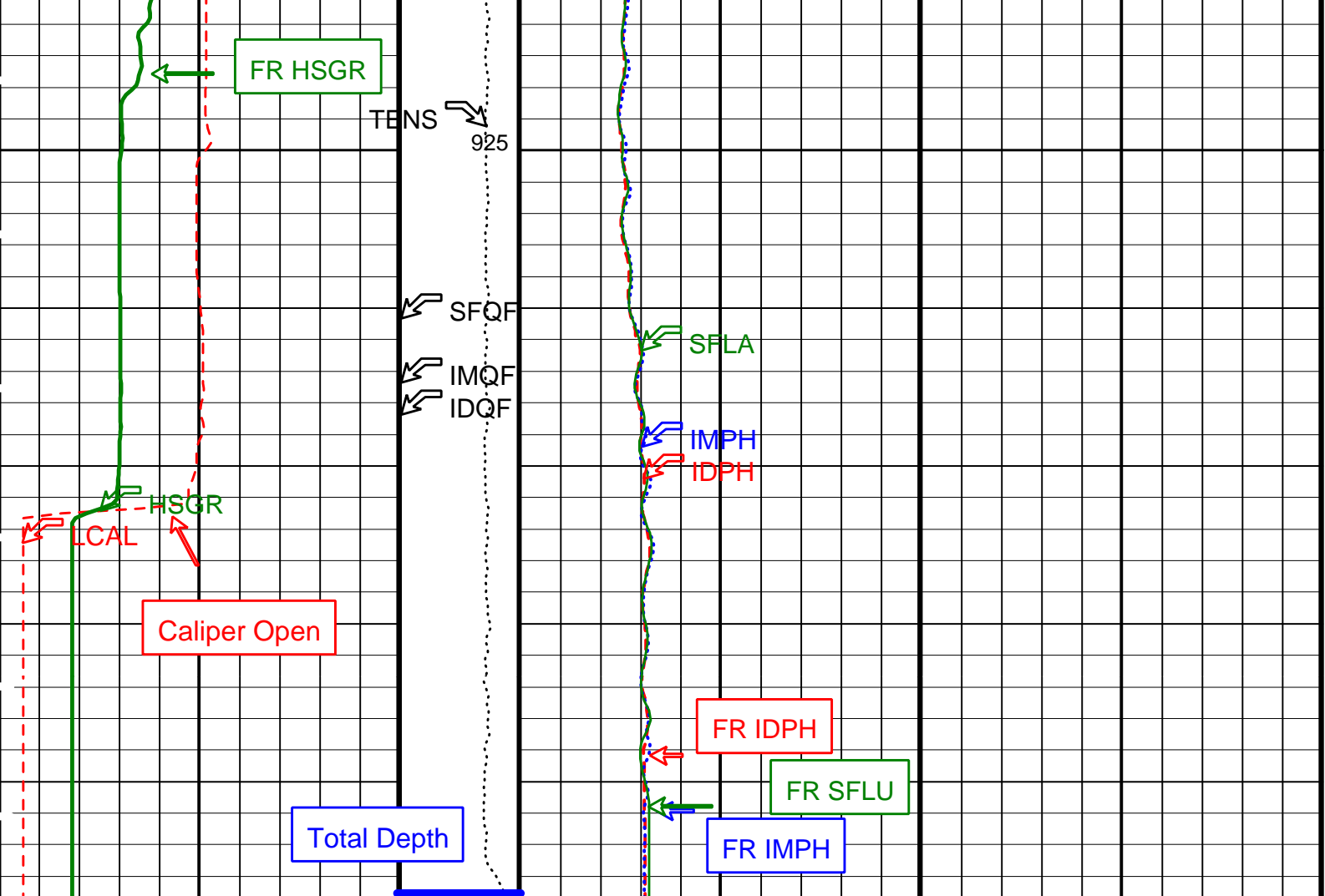




875

900





0	20	10000	0	0	10
HLDS Caliper (LCAL) (IN)		Tension (TENS) (LBF)	Deep Induction Phasor-processed Resistivity (IDPH) (OHMM)		
0	100	ID_QUAL From IMQF to IDQF	Medium Induction Phasor-processed Resistivity (IMPH) (OHMM)		
HNGS Spectroscopy Gamma Ray (HSGR) (GAPI)		IM_QUAL From SFQF to IMQF	SFL Averaged (SFLA) (OHMM)		
		SFL_QUAL From D3T to SFQF			

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
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)	12 DEGC
BKSF	HNGS Borehole Fluid Excluder Sleeve Algorithm Factor	1
BKSH	HNGS Borehole Fluid Excluder Sleeve Algorithm High Channel	245
BKSL	HNGS Borehole Fluid Excluder Sleeve Algorithm Low Channel	17
BS	Bit Size	9.875 IN

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
D1PR	HNGS Detector 1 Calibration Thorium Peak Resolution	7.79616	%
D1TC	HNGS Detector 1 Calibration Temperature	30.594	DEGC
D1TL	HNGS Detector 1 Calibration Thorium Peak Location	211.429	
D2PR	HNGS Detector 2 Calibration Thorium Peak Resolution	6.70686	%
D2TC	HNGS Detector 2 Calibration Temperature	29.6607	DEGC
D2TL	HNGS Detector 2 Calibration Thorium Peak Location	210.041	
DBCC	HNGS Barite Constant Correction Flag	NONE	
DFD	Drilling Fluid Density	1.10	G/C3
DGF2	Deep 20 kHz Gain Factor	0.992515	
DPH2	Deep 20 kHz Phase Shift	-0.0620342	DEG
DRE2	Deep Real 20 kHz Sonde Error Correction	17.1426	MM/M
DSR2	Deep Sigma Reference (20 kHz)	1843	MM/M
DXE2	Deep Quad 20 kHz Sonde Error Correction	137.206	MM/M
GCF1_START	HNGS Detector 1 GCF Constant	1	
GCF2_START	HNGS Detector 2 GCF Constant	1	
GCSE	Generalized Caliper Selection	LCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.018227	DC/M
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	-0.0008613	
HALF	HNGS Alpha Filter Length	60	IN
HATIM	HNGS Marquardt Accumulation Time	600	S
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
HSLV	HNGS Borehole Fluid Excluder Sleeve Status	NO	
HSVN	HNGS Spectral Standards Version Number	3.51694e-035	
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	
MARQ_START	HNGS Marquardt Start-up Mode	INTERNAL	
MGF2	Medium 20 kHz Gain Factor	0.995142	
MPH2	Medium 20 kHz Phase Shift	-0.890816	DEG
MRE2	Medium Real 20 kHz Sonde Error Correction	10.896	MM/M
MSR2	Medium Sigma Reference (20 kHz)	3250	MM/M
MXE2	Medium Quad 20 kHz Sonde Error Correction	177.452	MM/M
RDF1_START	HNGS Detector 1 RDF Constant	0	
RDF2_START	HNGS Detector 2 RDF Constant	0	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S1NA	HNGS Detector 1 Calibration Sodium Count Rate	22.4203	CPS
S1NG	HNGS Detector 1 Calibration End-On / Side-On Gain Ratio	0.992953	
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
S2NA	HNGS Detector 2 Calibration Sodium Count Rate	22.621	CPS
S2NG	HNGS Detector 2 Calibration End-On / Side-On Gain Ratio	0.985234	
SABK	HNGS Statistical Uncertainty in Borehole Potassium Running Average	0.000143516	
SFCR	SFL Channel Ratio	1000	
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
SHT	Surface Hole Temperature	20	DEGC
TD	Total Depth	951	M
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.00429	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.957499	

Format: DITE_LinPhasor Vertical Scale: 1:200 Graphics File Created: 29-Jan-2001 06:35

OP System Version: 9C1-303
MCM

DIT-E	OP91-kp2	DTA-A	OP91-kp2
HLDS	OP91-kp2	NPLC-B	OP91-kp2
APS-BA	OP91-kp2	HNGS-BA	OP91-kp2
DTC-H	OP91-kp2		

Output DLIS Files

DEFAULT	DITE .028	FN:15 PRODUCER	29-Jan-2001 06:35
TCOMBO_CUST	DITE .028	FN:16 PRODUCER	29-Jan-2001 06:35

Measurement	Nominal	Master	Before	After	Change	Limit	Units
Hostile Litho-Density Sonde Wellsite Calibration - Background Measurement							
Master: 4-JAN-2001 10:08 Before: 11-JAN-2001 4:16 After: 29-JAN-2001 9:09							
SS Total Countrate Bkg	1645	1419	1424	1417	-7.589	80.00	CPS
SS HV Measured Bkg	1100	1065	1064	1065	1.551	80.00	V
SS Cs Centroid Bkg	661.0	661.3	661.4	661.3	-0.1294	1.500	KEV
SS Cs Resolution Bkg	9.000	8.550	8.493	8.603	0.1099	1.800	%
LS Total Countrate Bkg	1645	1450	1444	1446	1.930	80.00	CPS
LS HV Measured Bkg	1100	1183	1185	1182	-2.718	80.00	V
LS Cs Centroid Bkg	661.0	661.2	661.2	661.0	-0.2109	1.500	KEV
LS Cs Resolution Bkg	9.000	8.791	8.735	8.932	0.1977	1.800	%
Hostile Litho-Density Sonde Wellsite Calibration - Caliper Calibration							
Before: 11-JAN-2001 4:23							
HLDS Caliper Small Ring	8.000	N/A	10.34	N/A	N/A	N/A	IN
HLDS Caliper Large Ring	15.00	N/A	17.75	N/A	N/A	N/A	IN
Accelerator-Porosity Tool Wellsite Calibration - Detector Background							
Master: 23-DEC-2000 23:30 Before: 11-JAN-2001 4:18 After: 29-JAN-2001 9:11							
Near Det Bkg Cntrate	30.00	31.57	32.15	31.74	-0.4160	N/A	CPS
Far Det Bkg Cntrate	30.00	32.42	33.39	33.25	-0.1387	N/A	CPS
Array-1 Det Bkg Cntrate	30.00	28.31	28.68	28.69	0.01384	N/A	CPS
Array-2 Det Bkg Cntrate	30.00	30.16	30.43	31.45	1.020	N/A	CPS
Array Therm Det Bkg Cntrate	30.00	32.80	32.25	32.20	-0.04876	N/A	CPS
Accelerator-Porosity Tool Wellsite Calibration - Calibration Ratios							
Master: 23-DEC-2000 23:31							
Near/Far Calibration Ratio	0.9250	0.8976	N/A	N/A	N/A	N/A	
Near/Array Calibration Ratio	1.030	1.060	N/A	N/A	N/A	N/A	
Hostile Natural Gamma Ray Sonde Wellsite Calibration - Detector 1 Check							
Master: 4-JAN-2001 11:08 Before: 11-JAN-2001 4:17 After: 29-JAN-2001 9:10							
Na 511 Peak Loc	40.00	40.50	40.70	40.60	-0.09825	1.000	
Na 511 Peak Res	15.50	15.85	16.61	16.14	-0.4661	2.000	%
High Voltage	1150	1098	1107	1105	-1.942	30.00	V
Na 1785 Peak Loc	142.6	146.2	146.5	144.7	-1.864	7.000	
Na 1785 Peak Res	8.500	9.591	9.938	9.635	-0.3035	2.000	%
Temperature	15.50	30.64	32.47	35.48	3.009	N/A	DEGC
Na Count Rate	45.00	22.42	22.33	22.64	0.3106	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration - Detector 2 Check							
Master: 4-JAN-2001 11:08 Before: 11-JAN-2001 4:17 After: 29-JAN-2001 9:10							
Na 511 Peak Loc	40.00	40.56	40.54	40.62	0.07505	1.000	
Na 511 Peak Res	15.50	14.93	15.50	15.84	0.3449	2.000	%
High Voltage	1150	1186	1195	1195	-0.5760	30.00	V
Na 1785 Peak Loc	142.6	145.0	143.8	144.8	1.045	7.000	
Na 1785 Peak Res	8.500	7.793	9.552	9.100	-0.4517	2.000	%
Temperature	15.50	29.74	31.41	35.23	3.813	N/A	DEGC
Na Count Rate	45.00	22.62	22.43	22.67	0.2400	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration - Ratio Of Detector 1 To Detector 2							
Master: 4-JAN-2001 11:08 Before: 11-JAN-2001 4:17 After: 29-JAN-2001 9:10							
Coincidence Count Rate Ratio	1.000	0.9911	0.9979	0.9999	0.002032	0.05000	

Accelerator-Porosity Tool - Detector Plateau Settings :

Near Detector Plateau Setting 1748 V
Far Detector Plateau Setting 2052 V
Array Detector Plateau Setting 1969 V

Dual Induction - E / Equipment Identification			
Primary Equipment:			
Dual Induction Sonde		DIS - HB	129
Dual Induction Cartridge		DIC - EB	171
Auxiliary Equipment:			
Mass Isolated Housing		MIH - ZA	174

Dual Induction - E Wellsite Calibration											
Induction Electronics (10 kHz)											
Phase	ID Elect Real Offset 10 kHz	MM/M	Value	Phase	ID Elect Real Gain 10 kHz	Value	Phase	ID Elect Phase 10 kHz	DEG	Value	

Before		46.34	Before		0.9408	Before		9.192
	-254.3 (Minimum)	45.73 (Nominal)	345.7 (Maximum)		0.8040 (Minimum)	0.9540 (Nominal)	1.135 (Maximum)	
Phase	ID Elect Quad Offset 10 kHz	MM/M	Value	Phase	ID Elect Quad Gain 10 kHz	Value	Phase	IM Elect Phase 10 kHz DEG
Before		22.65	Before		0.9307	Before		8.908
	-277.9 (Minimum)	22.08 (Nominal)	322.1 (Maximum)		0.7954 (Minimum)	0.9454 (Nominal)	1.123 (Maximum)	
Phase	IM Elect Real Offset 10 kHz	MM/M	Value	Phase	IM Elect Real Gain 10 kHz	Value		
Before		52.92	Before		0.9280			
	-496.5 (Minimum)	53.46 (Nominal)	603.5 (Maximum)		0.7931 (Minimum)	0.9431 (Nominal)	1.120 (Maximum)	
Phase	IM Elect Quad Offset 10 kHz	MM/M	Value	Phase	IM Elect Quad Gain 10 kHz	Value		
Before		35.91	Before		0.9229			
	-513.3 (Minimum)	36.74 (Nominal)	586.7 (Maximum)		0.7886 (Minimum)	0.9386 (Nominal)	1.113 (Maximum)	

Before: 25-JAN-2001 7:38

Dual Induction - E Wellsite Calibration									
Induction Electronics (20 kHz)									
Phase	ID Elect Real Offset 20 kHz	MM/M	Value	Phase	ID Elect Real Gain 20 kHz	Value	Phase	ID Elect Phase 20 kHz DEG	Value
Before		18.51	Before		0.9686	Before		4.603	
	-106.7 (Minimum)	18.33 (Nominal)	143.3 (Maximum)		0.8273 (Minimum)	0.9773 (Nominal)	1.168 (Maximum)		
Phase	ID Elect Quad Offset 20 kHz	MM/M	Value	Phase	ID Elect Quad Gain 20 kHz	Value	Phase	IM Elect Phase 20 kHz DEG	Value
Before		9.081	Before		0.9580	Before		4.937	
	-116.1 (Minimum)	8.860 (Nominal)	133.9 (Maximum)		0.8183 (Minimum)	0.9683 (Nominal)	1.155 (Maximum)		
Phase	IM Elect Real Offset 20 kHz	MM/M	Value	Phase	IM Elect Real Gain 20 kHz	Value			
Before		21.64	Before		0.9708				
	-203.1 (Minimum)	21.86 (Nominal)	246.9 (Maximum)		0.8290 (Minimum)	0.9790 (Nominal)	1.170 (Maximum)		
Phase	IM Elect Quad Offset 20 kHz	MM/M	Value	Phase	IM Elect Quad Gain 20 kHz	Value			
Before		14.81	Before		0.9653				
	-209.9 (Minimum)	15.08 (Nominal)	240.1 (Maximum)		0.8242 (Minimum)	0.9742 (Nominal)	1.164 (Maximum)		

Before: 25-JAN-2001 7:39

Dual Induction - E Wellsite Calibration									
Induction Electronics (40 kHz)									
Phase	ID Elect Real Offset 40 kHz	MM/M	Value	Phase	ID Elect Real Gain 40 kHz	Value	Phase	ID Elect Phase 40 kHz DEG	Value
Before		12.19	Before		0.9516	Before		16.00	
	-72.91 (Minimum)	12.09 (Nominal)	97.09 (Maximum)		0.8118 (Minimum)	0.9618 (Nominal)	1.146 (Maximum)		
Phase	ID Elect Quad Offset 40 kHz	MM/M	Value	Phase	ID Elect Quad Gain 40 kHz	Value	Phase	IM Elect Phase 40 kHz DEG	Value
Before		6.025	Before		0.9405	Before		15.76	
	-79.09 (Minimum)	5.907 (Nominal)	90.91 (Maximum)		0.8024 (Minimum)	0.9524 (Nominal)	1.133 (Maximum)		
Phase	IM Elect Real Offset 40 kHz	MM/M	Value	Phase	IM Elect Real Gain 40 kHz	Value			
Before		13.96	Before		0.9705				
	-115.9 (Minimum)	14.11 (Nominal)	144.1 (Maximum)		0.8280 (Minimum)	0.9780 (Nominal)	1.169 (Maximum)		
Phase	IM Elect Quad Offset 40 kHz	MM/M	Value	Phase	IM Elect Quad Gain 40 kHz	Value			
Before		9.652	Before		0.9646				
	-120.2 (Minimum)	9.827 (Nominal)	139.8 (Maximum)		0.8229 (Minimum)	0.9729 (Nominal)	1.162 (Maximum)		

Before: 25-JAN-2001 7:40

Dual Induction - E Wellsite Calibration							
SFL Electronics							
Phase	SFL Voltage Offset MV	Value	Phase	SFL Voltage Gain	Value		
Before		1.063	Before		1.000		
	-15.00 (Minimum)	0 (Nominal)	15.00 (Maximum)		0.8500 (Minimum)	1.000 (Nominal)	1.200 (Maximum)
Phase	SFL Current Offset MA	Value	Phase	SFL Current Gain	Value		
Before		0.000	Before		0.000		

Before	0.05131	Before	1.013
-0.6000 (Minimum)	0 (Nominal)	0.6000 (Maximum)	0.8500 (Minimum)
			1.000 (Nominal)
			1.200 (Maximum)

Before: 25-JAN-2001 7:41

Dual Induction - E Wellsite Calibration										
Electronics Calibration Changes Files/Depth Intervals: 27: 946.4 - 937.3 28: 948.7 - 418.6										
Phase	ID (R > 27 OHM-M) MM/M	Value	Phase	ID (R < 27 OHM-M) %	Value	Phase	SFL (R < 1 OHM-M) OHMM	Value		
After		0	After		0.0001466	After		0.0007206		
	0 (Minimum)	0 (Nominal)	0.7500 (Maximum)		0 (Minimum)	0 (Nominal)	2.000 (Maximum)		0 (Minimum)	
									0.02000 (Maximum)	
Phase	IM (R > 27 OHM-M) MM/M	Value	Phase	IM (R < 27 OHM-M) %	Value					
After		0	After		0.0001108					
	0 (Minimum)	0 (Nominal)	0.7500 (Maximum)		0 (Minimum)	0 (Nominal)	2.000 (Maximum)			
Phase	SFL (R > 27 OHM-M) MM/M	Value	Phase	SFL (R < 27 OHM-M) %	Value					
After		0	After		0.0005954					
	0 (Minimum)	0 (Nominal)	0.7500 (Maximum)		0 (Minimum)	0 (Nominal)	2.000 (Maximum)			

After: 29-JAN-2001 8:42

Hostile Litho-Density Sonde / Equipment Identification			
Primary Equipment:			
Hostile Litho Density Sonde	HLDS - D	35	
Hostile Litho Density High Voltage	HLDV - D	35	
Gamma Source Radioactive	GSR - Z	1846	
Auxiliary Equipment:			
Hostile Litho Density Pad	HLDP - C	12	
Hostile Litho Density High Voltage Housi	HEH - H	35	

Hostile Litho-Density Sonde Wellsite Calibration									
Background Measurement									
Phase	SS Total Countrate Bkg CPS	Value	Phase	SS HV Measured Bkg V	Value	Phase	SS PSC DAC Value Bkg	Value	
Master		1419	Master		1065	Master		16520	
Before		1424	Before		1064	Before		16380	
After		1417	After		1065	After		17170	
	1000 (Minimum)	1645 (Nominal)	2290 (Maximum)		800.0 (Minimum)	1100 (Nominal)	1400 (Maximum)		14100 (Minimum)
									16000 (Nominal)
									20000 (Maximum)
Phase	SS Cs Centroid Bkg KEV	Value	Phase	SS Cs Resolution Bkg %	Value	Phase	LS Total Countrate Bkg CPS	Value	
Master		661.3	Master		8.550	Master		1450	
Before		661.4	Before		8.493	Before		1444	
After		661.3	After		8.603	After		1446	
	656.0 (Minimum)	661.0 (Nominal)	666.0 (Maximum)		7.000 (Minimum)	9.000 (Nominal)	11.00 (Maximum)		1000 (Minimum)
									1645 (Nominal)
									2290 (Maximum)
Phase	LS HV Measured Bkg V	Value	Phase	LS PSC DAC Value Bkg	Value	Phase	LS Cs Centroid Bkg KEV	Value	
Master		1183	Master		18100	Master		661.2	
Before		1185	Before		17900	Before		661.2	
After		1182	After		18820	After		661.0	
	800.0 (Minimum)	1100 (Nominal)	1400 (Maximum)		14100 (Minimum)	16000 (Nominal)	20000 (Maximum)		656.0 (Minimum)
									661.0 (Nominal)
									666.0 (Maximum)
Phase	LS Cs Resolution Bkg %	Value	Phase	LSW1 Background CPS	Value	Phase	LSW2 Background CPS	Value	
Master		8.791	Master		86.24	Master		80.44	
Before		8.735	Before		86.22	Before		80.03	
After		8.932	After		85.59	After		79.55	
	7.000 (Minimum)	9.000 (Nominal)	11.00 (Maximum)		55.00 (Minimum)	100.0 (Nominal)	150.0 (Maximum)		50.00 (Minimum)
									100.0 (Nominal)
									140.0 (Maximum)
Phase	LSW3 Background CPS	Value	Phase	LSW4 Background CPS	Value	Phase	LSW5 Background CPS	Value	
Master		181.0	Master		216.8	Master		494.2	
Before		177.5	Before		211.0	Before		488.0	
After		180.0	After		215.0	After		490.0	

Before		176.5	Before		216.1	Before		496.4
After		176.5	After		216.1	After		497.4
110.0 (Minimum) 200.0 (Nominal) 290.0 (Maximum)			140.0 (Minimum) 250.0 (Nominal) 360.0 (Maximum)			330.0 (Minimum) 600.0 (Nominal) 830.0 (Maximum)		
Phase	SSW1 Background CPS	Value	Phase	SSW2 Background CPS	Value	Phase	SSW3 Background CPS	Value
Master		86.80	Master		155.9	Master		413.2
Before		85.29	Before		156.2	Before		414.0
After		87.02	After		155.2	After		412.7
55.00 (Minimum) 100.0 (Nominal) 150.0 (Maximum)			100.0 (Minimum) 200.0 (Nominal) 260.0 (Maximum)			280.0 (Minimum) 500.0 (Nominal) 700.0 (Maximum)		
Phase	SSW4 Background CPS	Value	Phase	SSW5 Background CPS	Value			
Master		220.1	Master		159.6			
Before		222.7	Before		161.2			
After		218.7	After		160.6			
150.0 (Minimum) 270.0 (Nominal) 380.0 (Maximum)			110.0 (Minimum) 200.0 (Nominal) 270.0 (Maximum)					
Master: 4-JAN-2001 10:08			Before: 11-JAN-2001 4:16			After: 29-JAN-2001 9:09		

Nuclear Porosity Lithology Cartridge - B / Equipment Identification

Primary Equipment:
NPLC Cartridge

NPLC - B 79

Auxiliary Equipment:
NPLC Housing

NPH - B 82

Accelerator-Porosity Tool / Equipment Identification

Primary Equipment:
Accelerator-Porosity Sonde
APS Minitron

APS - BA 22
MNTR - F 4185

Auxiliary Equipment:
Accelerator-Porosity Housing
APS Calibration Water Tank
APS Aluminium Calibrator Sleeve

APH - AC 22
SFT - 178 4722
SFT - 281 24

Accelerator-Porosity Tool Wellsite Calibration

Detector Background

Phase	Near Det Bkg Cntrate CPS	Value	Phase	Far Det Bkg Cntrate CPS	Value	Phase	Array-1 Det Bkg Cntrate CPS	Value
Master		31.57	Master		32.42	Master		28.31
Before		32.15	Before		33.39	Before		28.68
After		31.74	After		33.25	After		28.69
0 (Minimum) 30.00 (Nominal) 50.00 (Maximum)			0 (Minimum) 30.00 (Nominal) 50.00 (Maximum)			0 (Minimum) 30.00 (Nominal) 50.00 (Maximum)		
Phase	Array-2 Det Bkg Cntrate CPS	Value	Phase	Array Therm Det Bkg Cntrate CPS	Value			
Master		30.16	Master		32.80			
Before		30.43	Before		32.25			
After		31.45	After		32.20			
0 (Minimum) 30.00 (Nominal) 50.00 (Maximum)			0 (Minimum) 30.00 (Nominal) 50.00 (Maximum)					
Master: 23-DEC-2000 23:30			Before: 11-JAN-2001 4:18			After: 29-JAN-2001 9:11		

Accelerator-Porosity Tool Wellsite Calibration

Calibration Ratios

Phase	Near/Far Calibration Ratio	Value	Phase	Near/Array Calibration Ratio	Value
Master		0.8976	Master		1.060
0.8000 (Minimum) 0.9250 (Nominal) 1.050 (Maximum)			0.9000 (Minimum) 1.030 (Nominal) 1.150 (Maximum)		
Master: 23-DEC-2000 23:31					

Hostile Natural Gamma Ray Sonde / Equipment Identification

Primary Equipment:

HNGS Sonde

HNGS - BA

27

Auxiliary Equipment:

HNGS Sonde Housing

HNSH - BA

27

Gamma Source Radioactive

GSR - U

135

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		40.50	Master		15.85	Master		1098	
Before		40.70	Before		16.61	Before		1107	
After		40.60	After		16.14	After		1105	
	37.50 (Minimum)	40.00 (Nominal)	42.50 (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		146.2	Master		9.591	Master		30.64	
Before		146.5	Before		9.938	Before		32.47	
After		144.7	After		9.635	After		35.48	
	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		22.42							
Before		22.33							
After		22.64							
	15.00 (Minimum)	45.00 (Nominal)	100.0 (Maximum)						
Master: 4-JAN-2001 11:08			Before: 11-JAN-2001 4:17			After: 29-JAN-2001 9:10			

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		40.56	Master		14.93	Master		1186	
Before		40.54	Before		15.50	Before		1195	
After		40.62	After		15.84	After		1195	
	37.50 (Minimum)	40.00 (Nominal)	42.50 (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		145.0	Master		7.793	Master		29.74	
Before		143.8	Before		9.552	Before		31.41	
After		144.8	After		9.100	After		35.23	
	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		22.62							
Before		22.43							
After		22.67							
	15.00 (Minimum)	45.00 (Nominal)	100.0 (Maximum)						
Master: 4-JAN-2001 11:08			Before: 11-JAN-2001 4:17			After: 29-JAN-2001 9:10			

Hostile Natural Gamma Ray Sonde Wellsite Calibration

Ratio Of Detector 1 To Detector 2

Phase	Coincidence Count Rate Ratio	Value
Master		0.9911

Before		0.9979
After		0.9999
0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)
Master: 4-JAN-2001 11:08		
Before: 11-JAN-2001 4:17		
After: 29-JAN-2001 9:10		

COMPANY:	Lamont Doherty	BOTTOM LOG INTERVAL	947.5 m
		SCHLUMBERGER DEPTH	949.5 m
WELL:	ODP Leg 194, Site 1195B	DEPTH DRILLER	951.24 m
FIELD:	Marion Plateau	KELLY BUSHING	11.3 m
Country:	Australia	DRILL FLOOR	11 m
Ocean:	Pacific Ocean	GROUND LEVEL	-430.8 m

Schlumberger

Phasor Induction-Natural Gamma Ray