COMPANY: Lamont Doherty

WELL: ODP Leg 198, Site 1207-B

FIELD: Shatsky Rise

Country: Japan Ocean: Pacific Ocean

Country: Japan
Field: Shatsky Rise
Location: Rig- Joides Resolution
Well: ODP Leg 198, Site 1207-B
Company: Lamont Doherty

Schlumberger

Phasor Induction/NGTC

LOCATION

Rig- Joides Resolution

Elev.: K.B. 11.3 m
G.L. -3111.7 m
D.F. 11 m

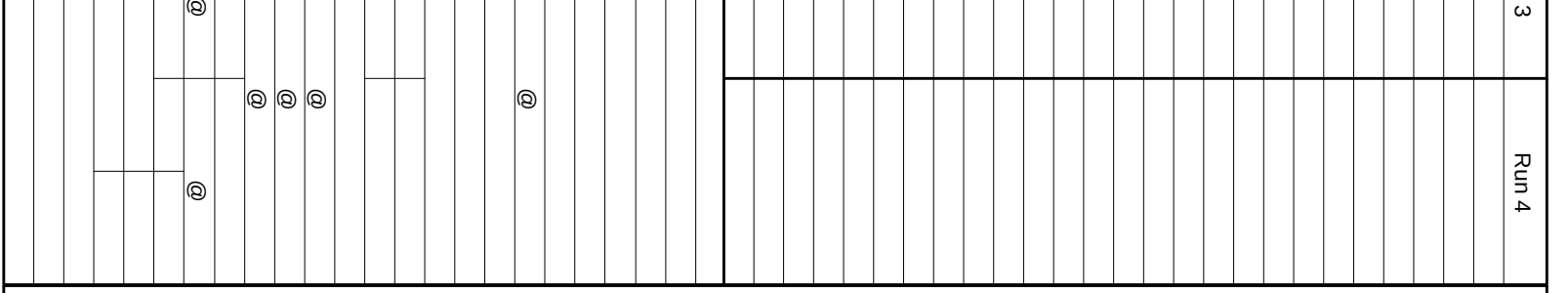
Permanent Datum: GROUND LEVEL
Log Measured From: DES
Drilling Measured From: DES

Elev.: _____ above Perm. Datum

API Serial No.	Max. Hole Devi.	Longitude E 162.7558	Latitude N 37.782

Logging Date		9-12-01						
Run Number		1						
Depth Driller		3734.5 m						
Schlumberger Depth		3733 m						
Bottom Log Interval		3731 m						
Top Log Interval		3103.5 m						
Casing Driller Size @ Depth		0.000 in	@	3238 m		@		
Casing Schlumberger		3236 m						
Bit Size		9.875 in						
Type Fluid In Hole								
MUD Density	Viscosity	1.1 g/cm3						
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	9-12-01		1300				
Logger On Bottom	Time	0		See Log				
Unit Number	Location	99	Houston					
Recorded By		Steve Kittredge						
Witnessed By		Trevor Williams						

	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: GHMT/NGTC	OS1:
OS2: MESTB/NGTC/DSI.	OS2:
OS3:	OS3:
OS4:	OS4:
OS5:	OS5:

REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
Toolstring- DITE/HLDS/APS/HNGS//MGT	
WHC NOT Used on this run.	
Seas calm.	
Log Measured in Meters Below Rig Floor (MBRF).	
Total Depth Driller- 3734.5 MBRF.	
Sea Floor Driller- 3111.7 MBRF.	
Total Depth Logger- 3733 MBRF.	
Sea Floor Logger- 3111 MBRF.	
Drill Pipe Logger- 3236 MBRF.	
No repeat log run.	
MGT tool run after main log.	

RUN 1

SERVICE ORDER #:
PROGRAM VERSION: 9C2-303
FLUID LEVEL:

LOGGED INTERVAL	START	STOP

RUN 2

SERVICE ORDER #:
PROGRAM VERSION:
FLUID LEVEL:

LOGGED INTERVAL	START	STOP

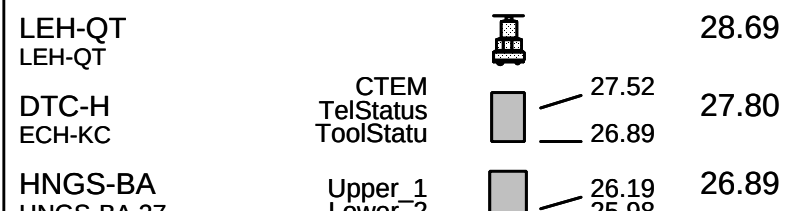
EQUIPMENT DESCRIPTION

RUN 1

SURFACE EQUIPMENT

SFT-281 24
SFT-178 4722
GSR-U 135
WITM (DTS)-A

DOWNHOLE EQUIPMENT



RUN 2

HNGS-BA 27
HNSH-BA 27

Lower_2 25.98

ILE-D 24.39
ILE-D

Status
Minitron
Near TD
Near Arr
Near
Far Arr
Far
Far TD

APS-BA 21.95
APS-BA 22
APH-AC 22
MNTR-F 4185

19.51
19.43
19.30
19.20

NPLC-B 18.01
NPLC-B 79
NPH-B 82

Status 16.78

HLDS 15.56
GSR-Z 1846
HLDV-D 35
HLDS-D 35
HEH-H 35
HLDP-C 12

Caliper
SS LS Status 11.51

DTA-A 10.74
ECH-KE
DTA-A

DIT-E 9.52
DIC-EB 171
MIH-ZA 342
DIS-HB 129

SP 3.15
Deep Ind 2.90
Aux Meas SFL 1.98
Med Ind 1.83
Status HV DF
Tension 0.00

TOOL ZERO

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

Output DLIS Files

DEFAULT	PI_LDL_APS_HNGS_016LUP	FN:5	PRODUCER	12-Sep-2001 19:28	3733.0 M	3103.5 M

OP System Version: 9C2-303

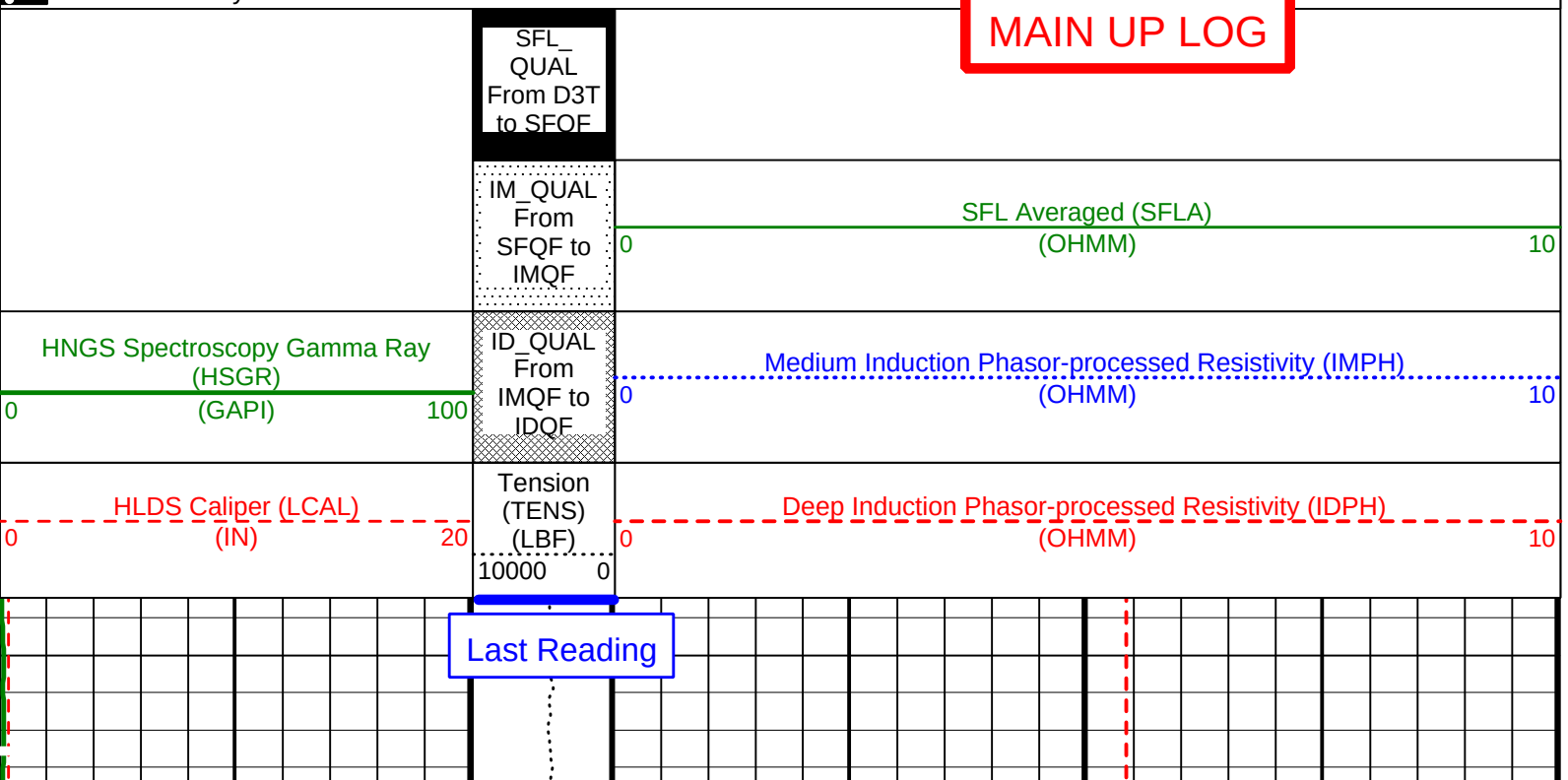
MCM

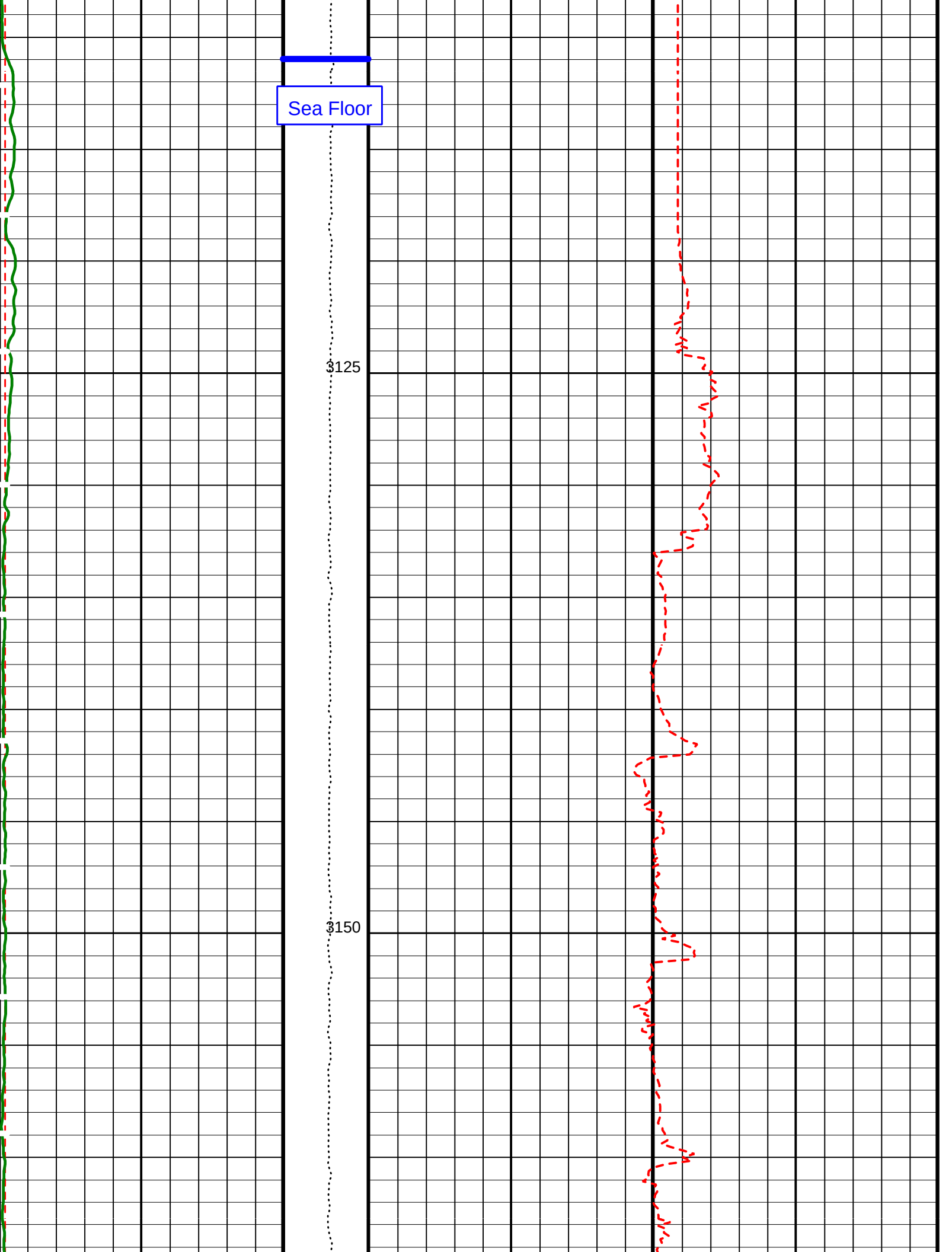
DIT-E	9C2-303	DTA-A	9C2-303
HLDS	9C2-303	NPLC-B	9C2-303
APS-BA	9C2-303	HNGS-BA	9C2-303
DTC-H	9C2-303		

PIP SUMMARY

Time Mark Every 60 S

MAIN UP LOG




Sea Floor
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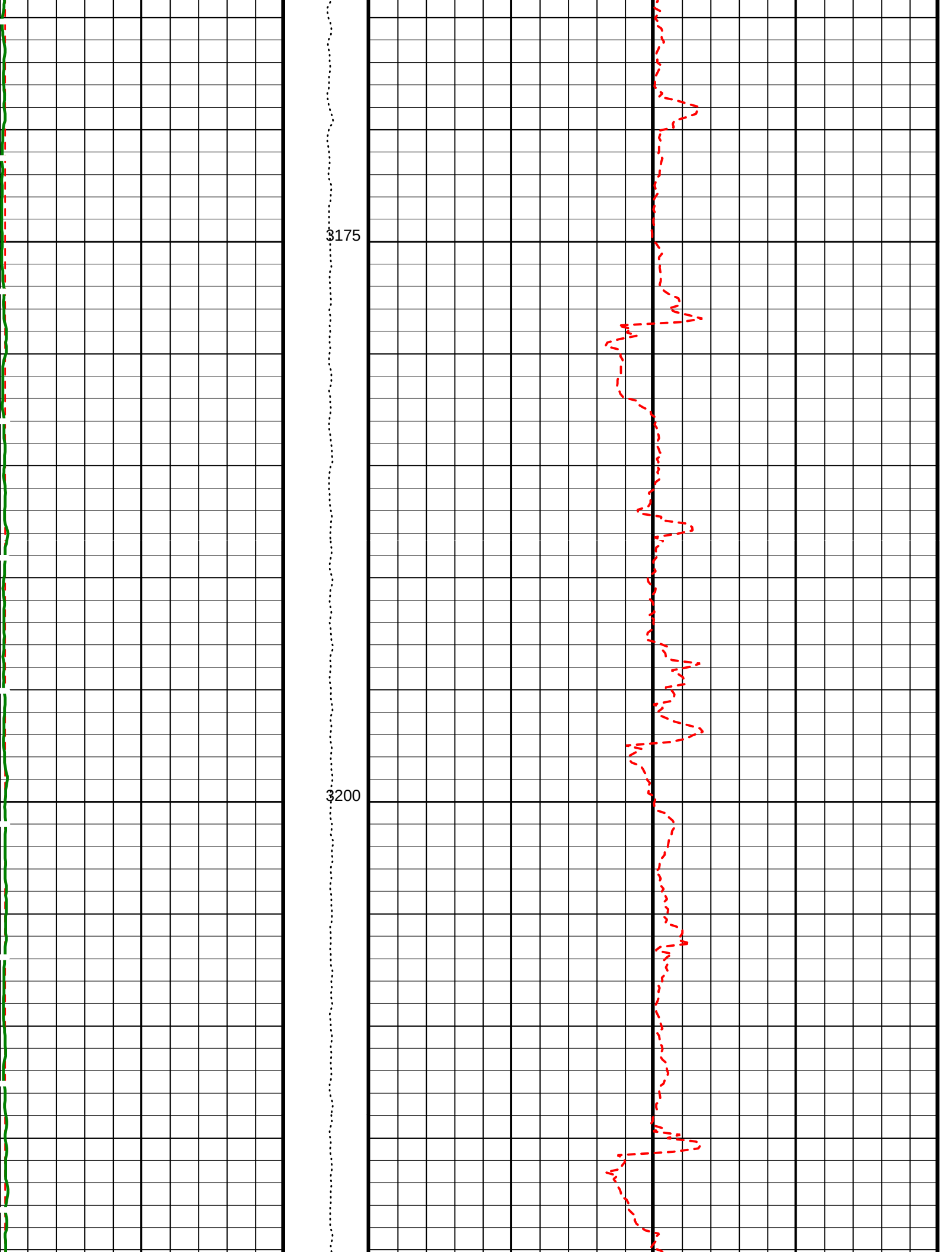
3150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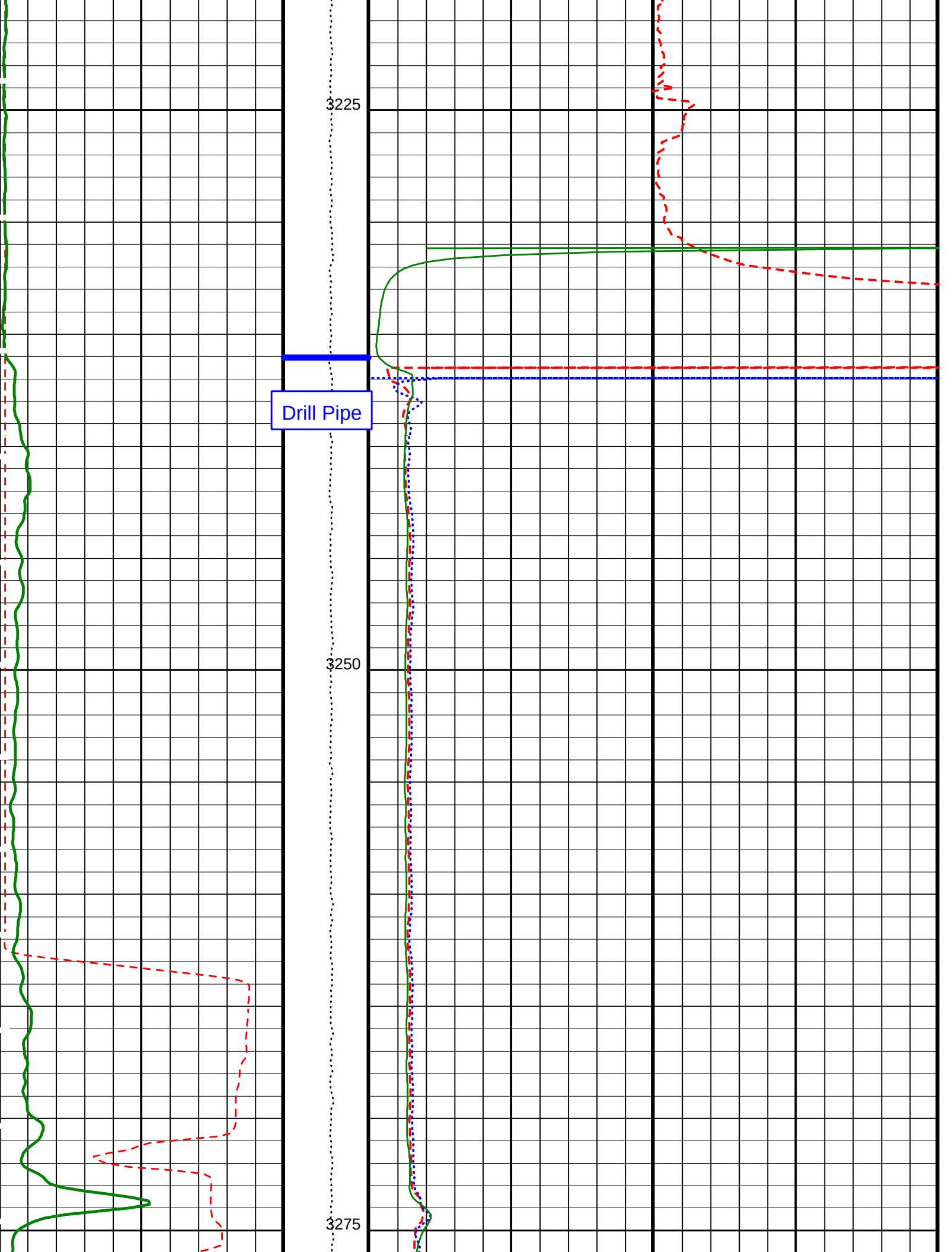
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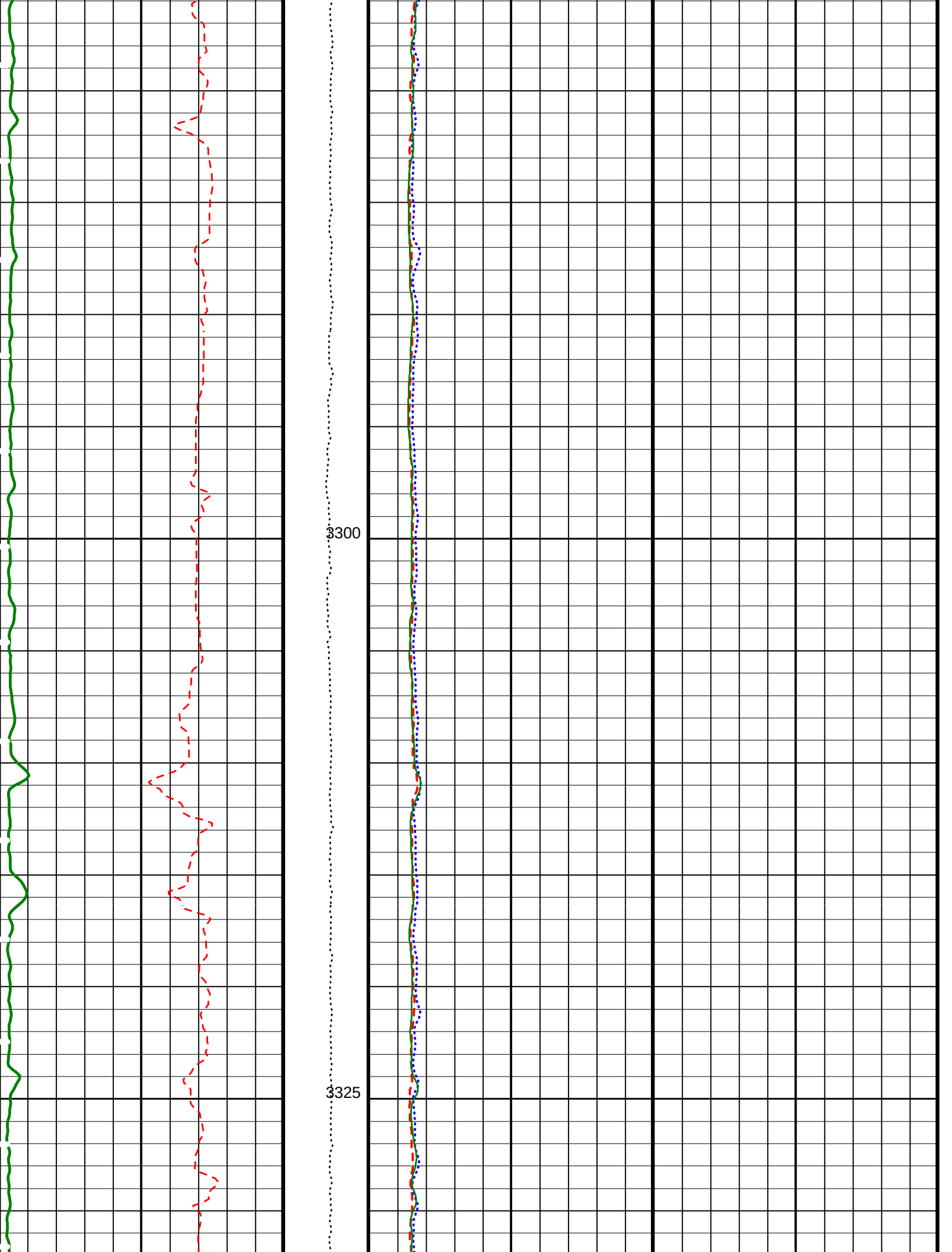
Drill Pipe
3250
3275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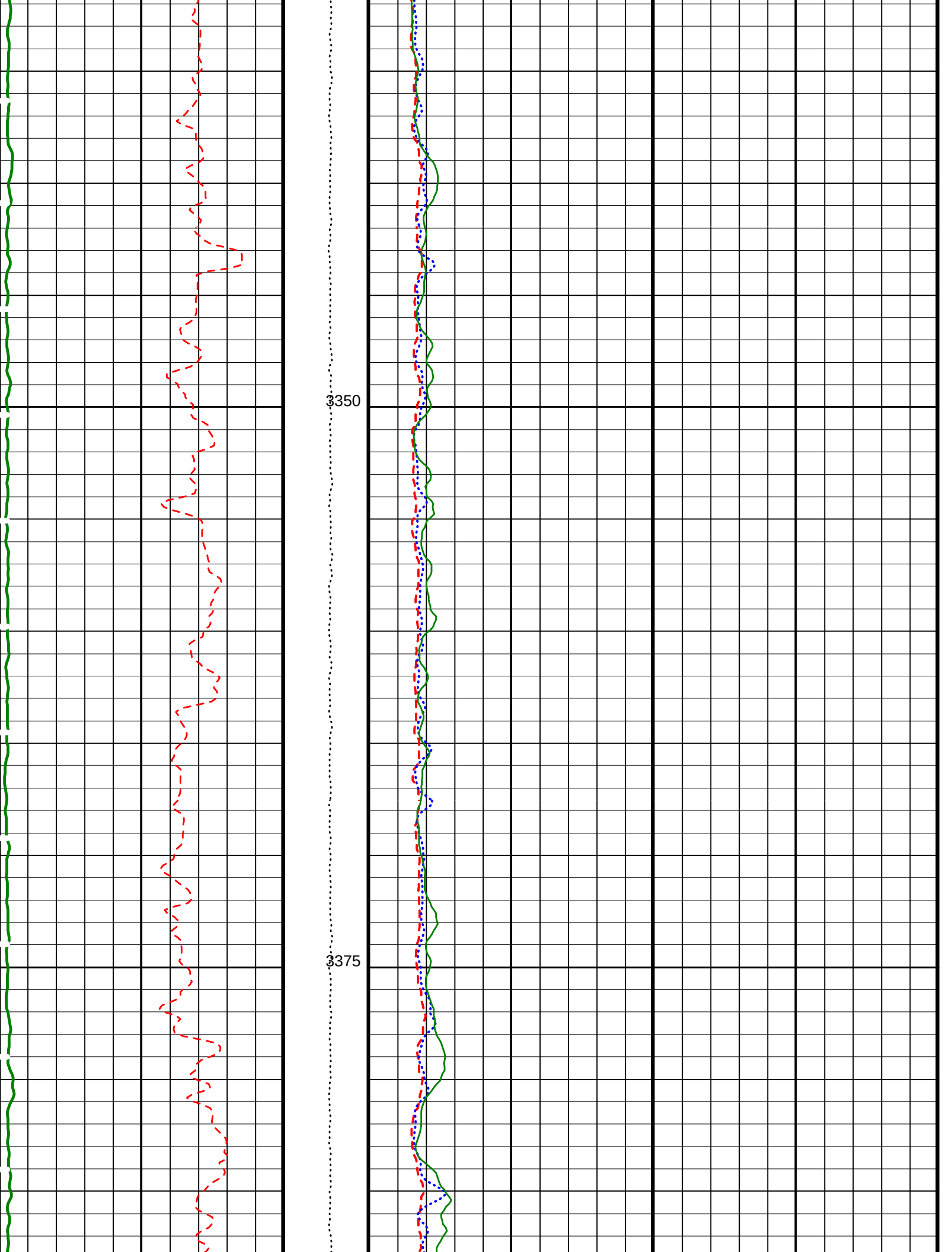
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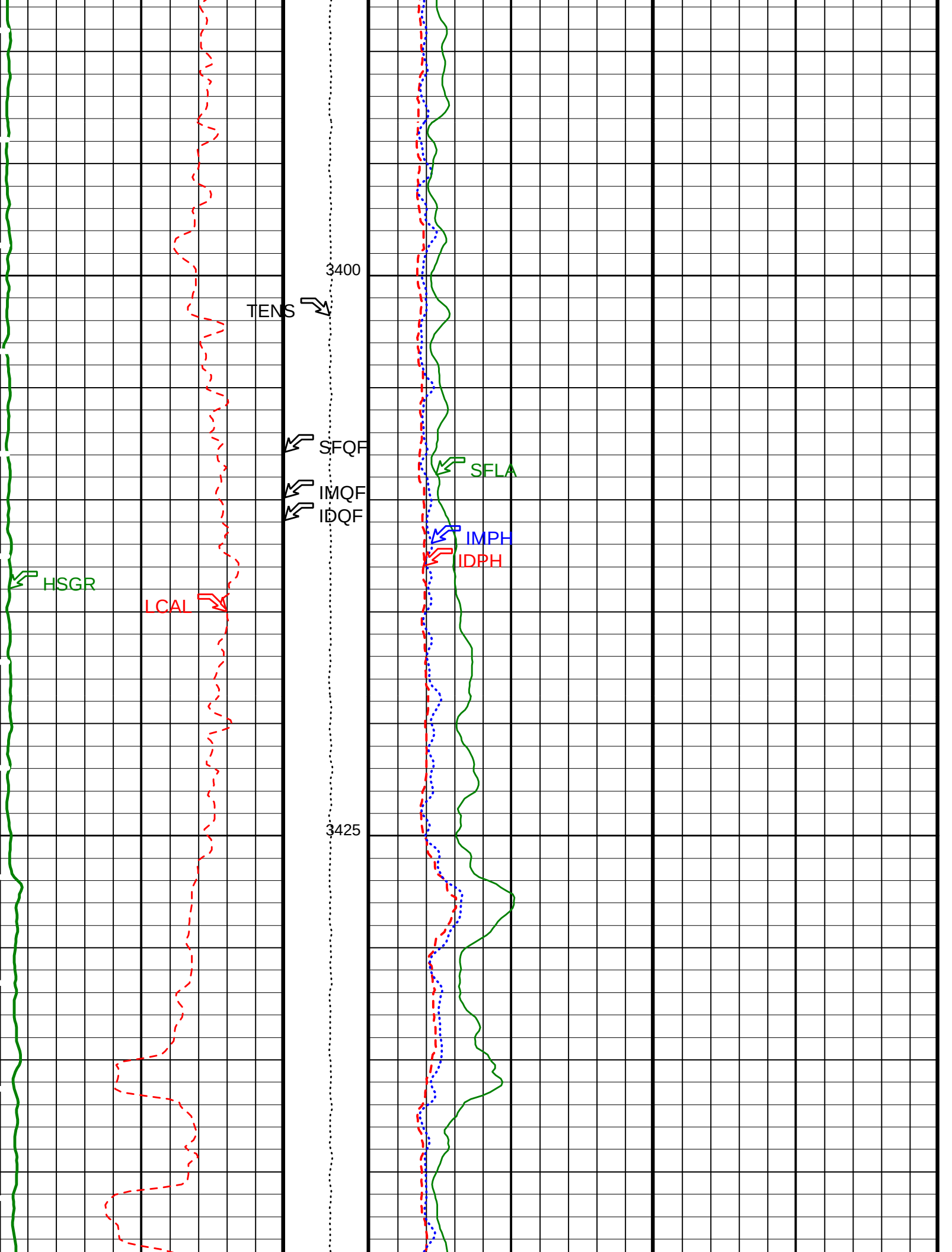
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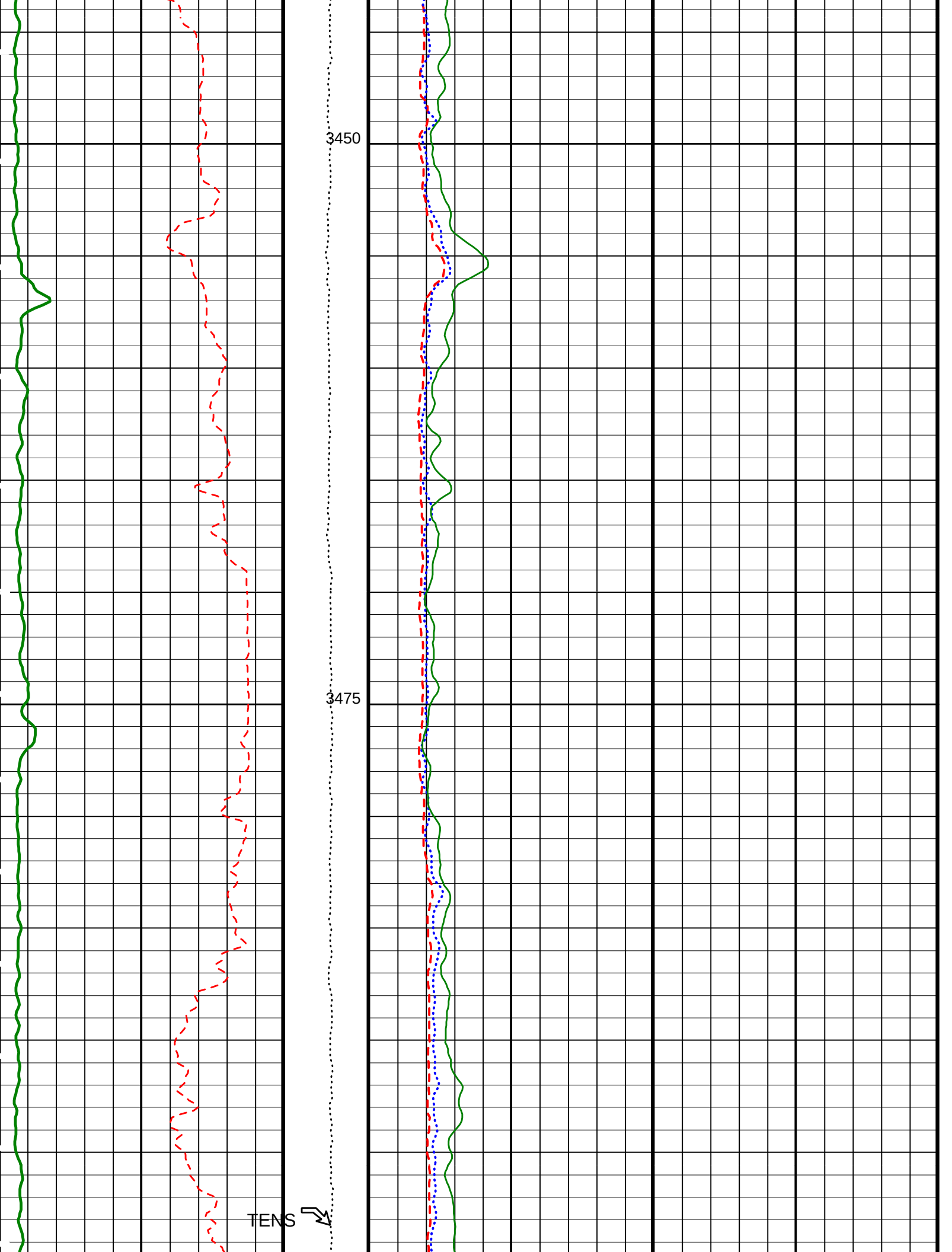
TENS
SFQF
SFLA
IMQF
IDQF
IMPH
IDPH
HSGR
LCAL
3425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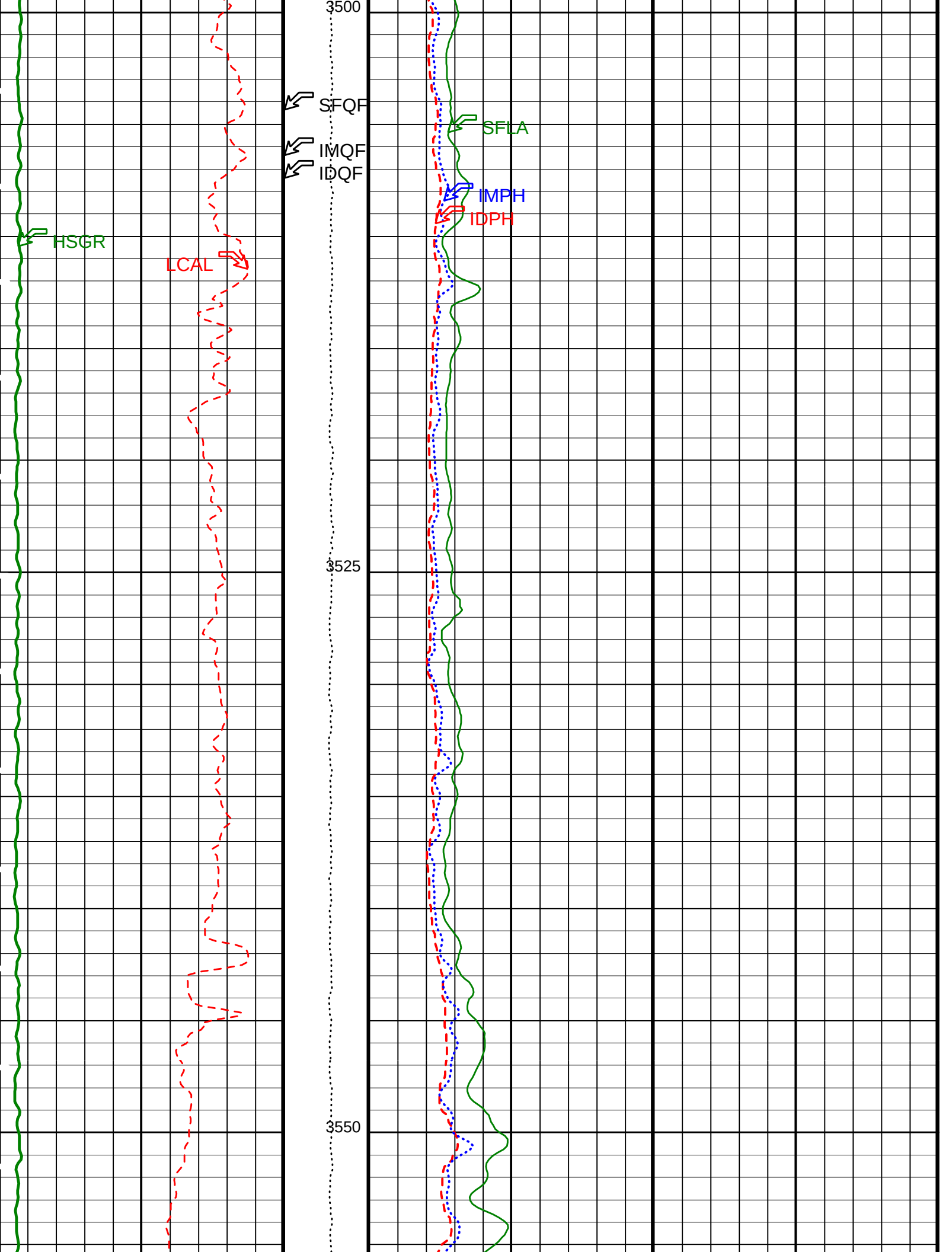
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SFLA
IMQF
IDQF
IMPH
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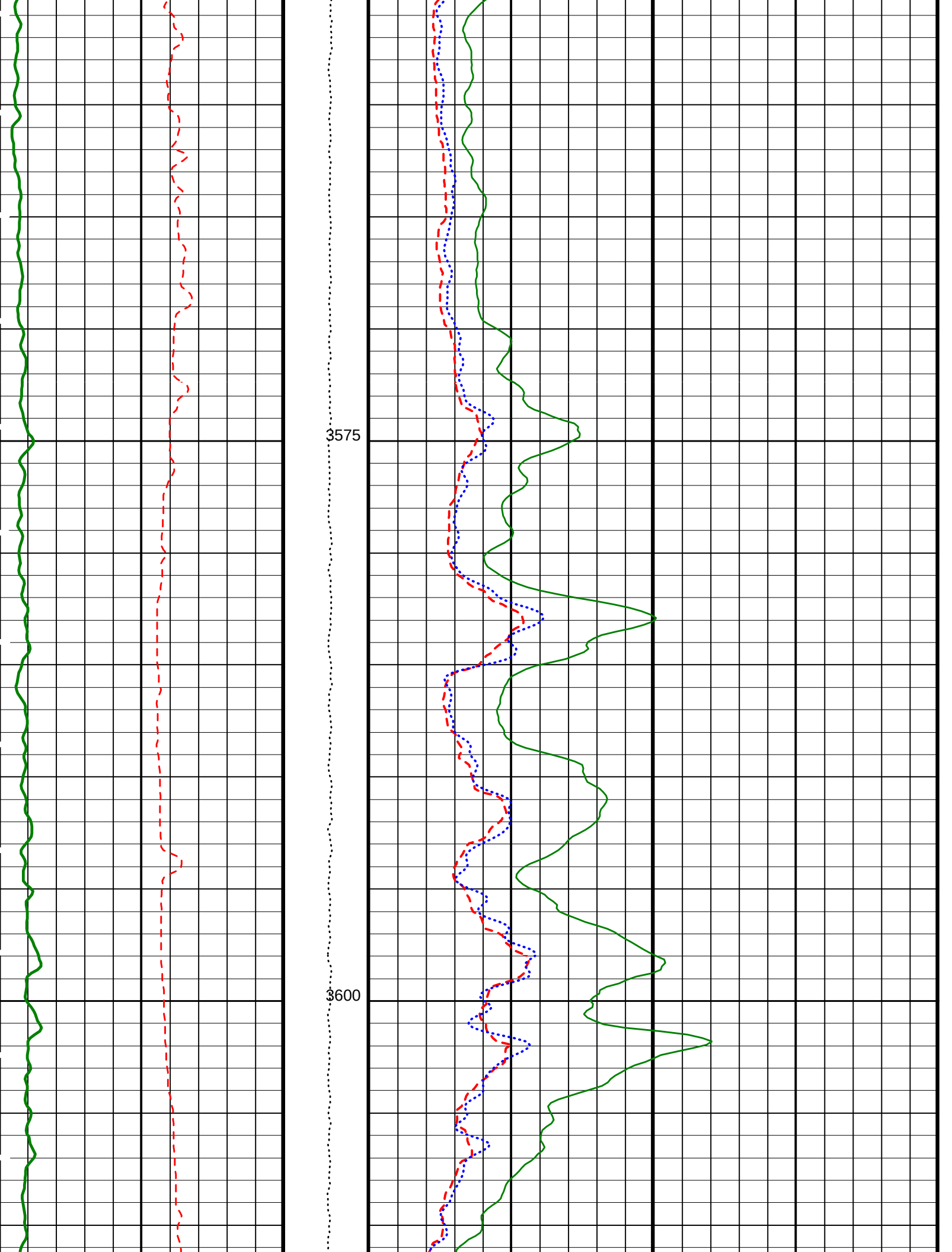
LCAL
3525
3550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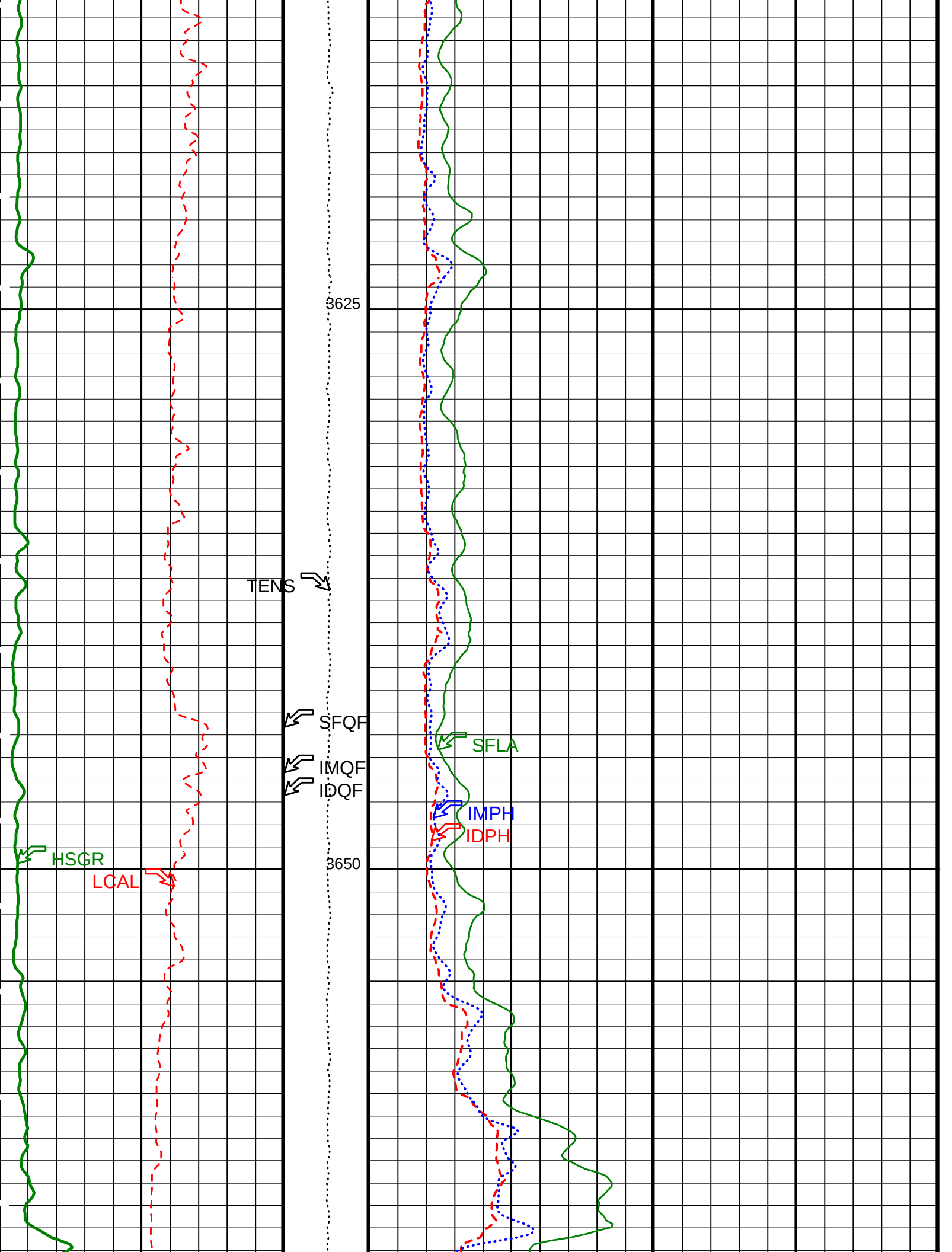
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TENS
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SFLA
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IDQF
IMPH
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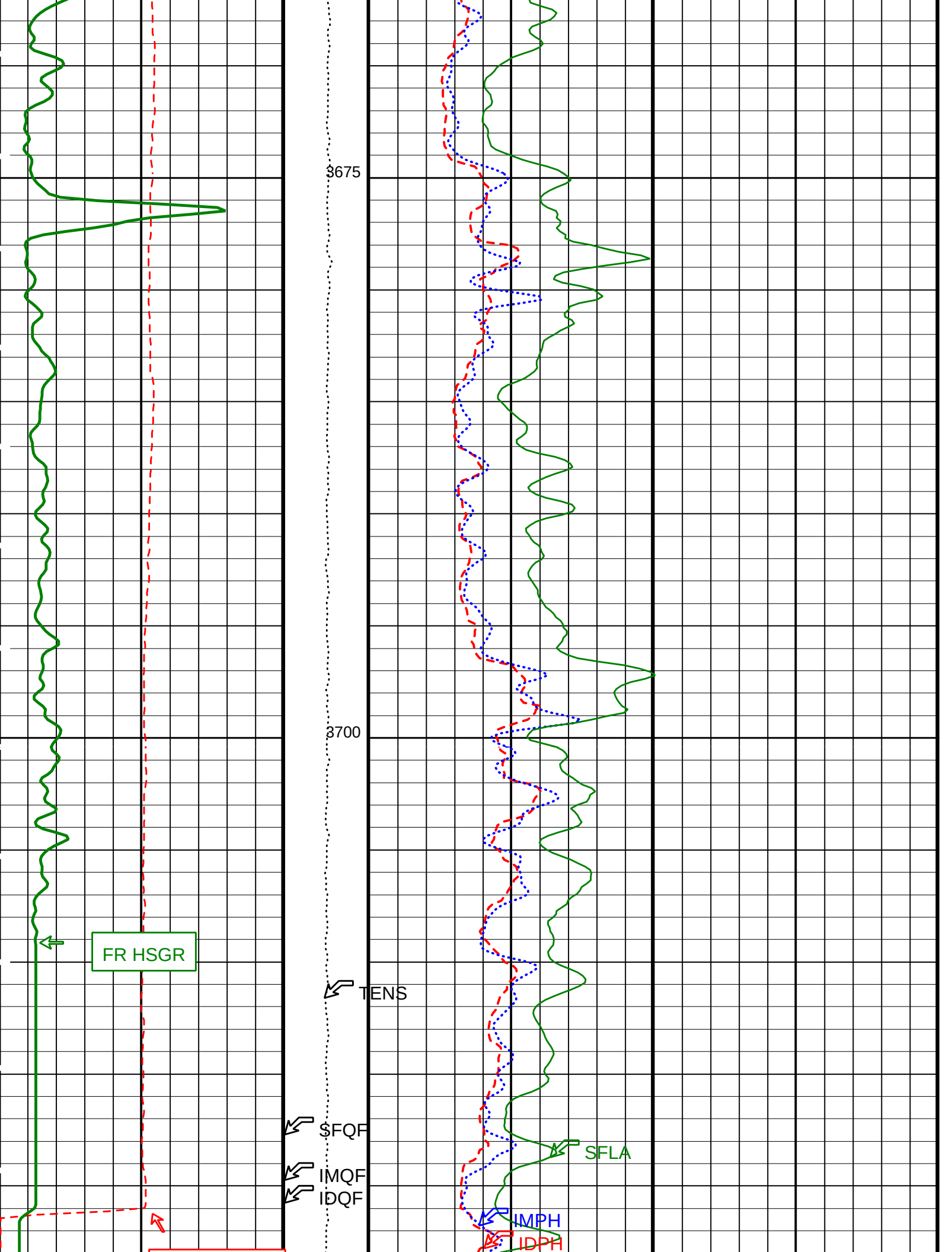
3650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FR HSGR
TENS
SFQF
IMQF
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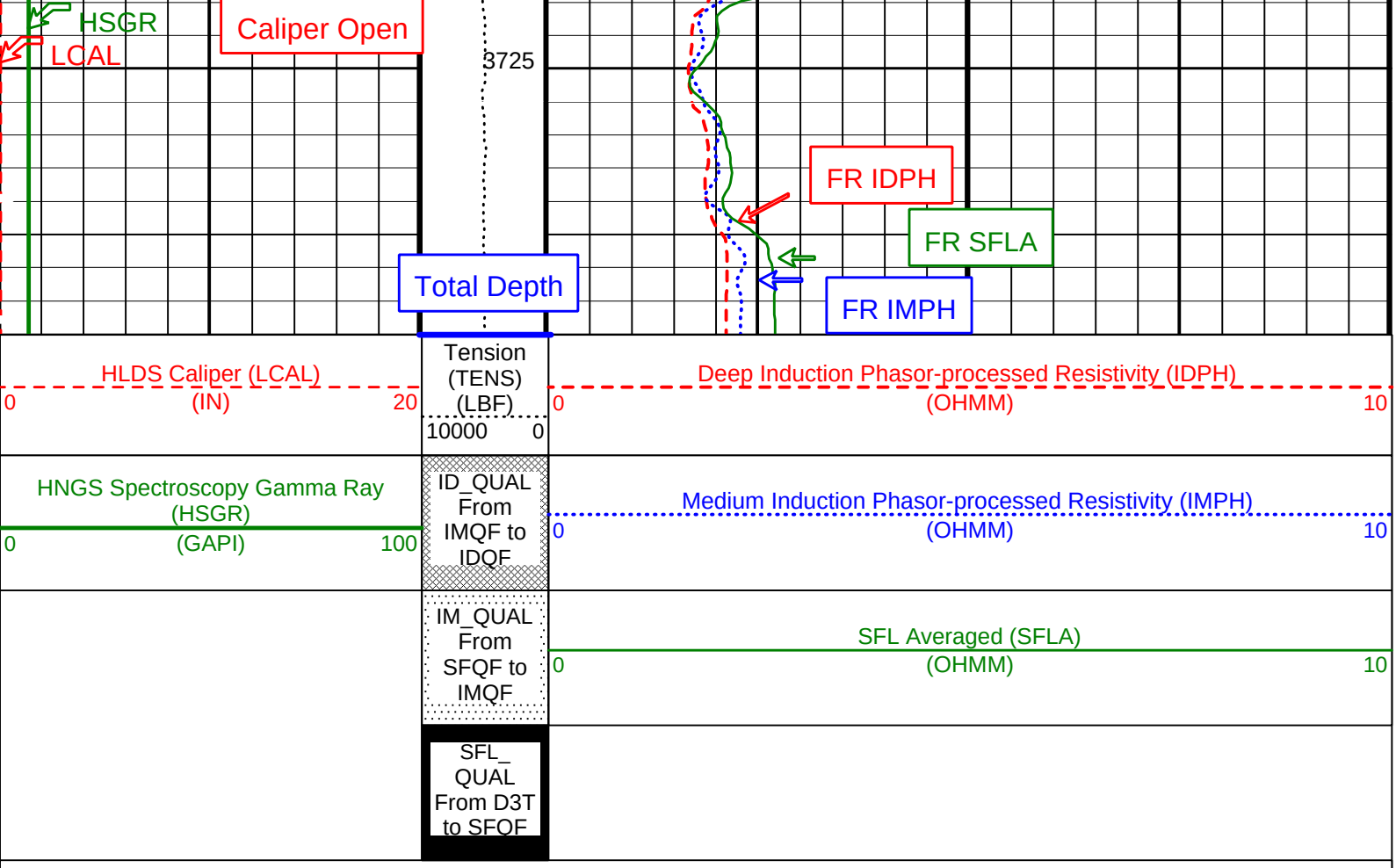
IMPH
IDPH



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)	10	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	8.01304	%
D1TC	HNGS Detector 1 Calibration Temperature	29.8261	DEGC
D1TL	HNGS Detector 1 Calibration Thorium Peak Location	211	
D2PR	HNGS Detector 2 Calibration Thorium Peak Resolution	6.90264	%
D2TC	HNGS Detector 2 Calibration Temperature	28.7844	DEGC
D2TL	HNGS Detector 2 Calibration Thorium Peak Location	210.691	
DBCC	HNGS Barite Constant Correction Flag	NONE	
DFD	Drilling Fluid Density	1.10	G/C3
DGF2	Deep 20 kHz Gain Factor	1.0491	
DPH2	Deep 20 kHz Phase Shift	-0.431622	DEG
DRE2	Deep Real 20 kHz Sonde Error Correction	17.0209	MM/M
DSR2	Deep Sigma Reference (20 kHz)	1843	MM/M
DXE2	Deep Quad 20 kHz Sonde Error Correction	141.615	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	
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	5.91627e-030	
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	1.01849	
MPH2	Medium 20 kHz Phase Shift	-1.04291	DEG
MRE2	Medium Real 20 kHz Sonde Error Correction	9.75374	MM/M
MSR2	Medium Sigma Reference (20 kHz)	3250	MM/M
MXE2	Medium Quad 20 kHz Sonde Error Correction	175.434	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	19.1459	CPS
S1NG	HNGS Detector 1 Calibration End-On / Side-On Gain Ratio	0.985141	
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
S2NA	HNGS Detector 2 Calibration Sodium Count Rate	19.1691	CPS
S2NG	HNGS Detector 2 Calibration End-On / Side-On Gain Ratio	0.990236	
SABK	HNGS Statistical Uncertainty in Borehole Potassium Running Average	-999.25	
SFCR	SFL Channel Ratio	1000	
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
SHT	Surface Hole Temperature	20	DEGC
TD	Total Depth	3734.5	M
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0	

Format: DITE_LinPhasor Vertical Scale: 1:200 Graphics File Created: 12-Sep-2001 19:29

OP System Version: 9C2-303

MCM

DIT-E	9C2-303	DTA-A	9C2-303
HLDS	9C2-303	NPLC-B	9C2-303
APS-BA	9C2-303	HNGS-BA	9C2-303
DTC-H	9C2-303		

Output DLIS Files

DEFAULT	PI_LDL_APS_HNGS_016LUP	FN:5	PRODUCER	12-Sep-2001 19:28

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
Hostile Litho-Density Sonde Wellsite Calibration - Background Measurement							
Master: 14-Aug-2001 9:52 Before: 4-Sep-2001 17:08 After: 13-Sep-2001 2:21							
SS Total Countrate Bkg	1645	1407	1396	1400	3.176	80.00	CPS
SS HV Measured Bkg	1100	1066	1067	1071	3.295	80.00	V
SS Cs Centroid Bkg	661.0	661.5	661.3	661.2	-0.09229	1.500	KEV
SS Cs Resolution Bkg	9.000	8.496	8.551	8.467	-0.08468	1.800	%
LS Total Countrate Bkg	1645	1432	1425	1422	-3.378	80.00	CPS
LS HV Measured Bkg	1100	1185	1188	1191	3.586	80.00	V
LS Cs Centroid Bkg	661.0	661.1	661.1	661.2	0.09668	1.500	KEV
LS Cs Resolution Bkg	9.000	8.806	8.775	8.768	-0.007151	1.800	%
Hostile Litho-Density Sonde Wellsite Calibration - Caliper Calibration							
Before: 4-Sep-2001 17:12							
HLDS Caliper Small Ring	12.00	N/A	14.43	N/A	N/A	N/A	IN
HLDS Caliper Large Ring	17.50	N/A	19.67	N/A	N/A	N/A	IN
Accelerator-Porosity Tool Wellsite Calibration - Detector Background							
Master: 5-Aug-2001 8:26 Before: 4-Sep-2001 15:10 After: 13-Sep-2001 2:21							
Near Det Bkg Cntrate	30.00	31.20	32.23	31.65	-0.5831	N/A	CPS
Far Det Bkg Cntrate	30.00	34.55	33.67	33.21	-0.4605	N/A	CPS
Array-1 Det Bkg Cntrate	30.00	30.79	29.16	29.20	0.03814	N/A	CPS
Array-2 Det Bkg Cntrate	30.00	29.57	31.00	30.78	-0.2211	N/A	CPS
Array Therm Det Bkg Cntrate	30.00	31.99	33.52	31.99	-1.527	N/A	CPS
Accelerator-Porosity Tool Wellsite Calibration - Calibration Ratios							

Master: 5-Aug-2001 8:26							
Near/Far Calibration Ratio	0.9250	0.9005	N/A	N/A	N/A	N/A	
Near/Array Calibration Ratio	1.030	1.063	N/A	N/A	N/A	N/A	
Hostile Natural Gamma Ray Sonde Wellsite Calibration - Detector 1 Check							
Master: 17-Aug-2001 10:43 Before: 3-Sep-2001 20:06 After: 13-Sep-2001 2:25							
Na 511 Peak Loc	40.00	40.75	40.42	40.62	0.2022	1.000	
Na 511 Peak Res	15.50	14.92	17.65	16.86	-0.7896	2.000	%
High Voltage	1150	1102	1104	1110	5.060	30.00	V
Na 1785 Peak Loc	142.6	145.5	146.1	144.9	-1.181	7.000	
Na 1785 Peak Res	8.500	8.368	9.842	10.47	0.6296	2.000	%
Temperature	15.50	29.85	29.46	26.91	-2.550	N/A	DEGC
Na Count Rate	45.00	19.15	18.58	18.57	-0.004704	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration - Detector 2 Check							
Master: 17-Aug-2001 10:43 Before: 3-Sep-2001 20:06 After: 13-Sep-2001 2:25							
Na 511 Peak Loc	40.00	40.48	40.77	40.65	-0.1178	1.000	
Na 511 Peak Res	15.50	15.46	14.78	15.75	0.9683	2.000	%
High Voltage	1150	1189	1193	1198	5.402	30.00	V
Na 1785 Peak Loc	142.6	144.7	144.8	145.1	0.3160	7.000	
Na 1785 Peak Res	8.500	8.153	8.440	9.115	0.6748	2.000	%
Temperature	15.50	28.81	28.44	26.29	-2.142	N/A	DEGC
Na Count Rate	45.00	19.17	18.86	18.77	-0.08803	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration - Ratio Of Detector 1 To Detector 2							
Master: 17-Aug-2001 10:43 Before: 3-Sep-2001 20:06 After: 13-Sep-2001 2:25							
Coincidence Count Rate Ratio	1.000	0.9977	0.9861	0.9911	0.004954	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	342

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		28.76	Before		0.9386	Before		8.756
	-268.0 (Minimum) 32.04 (Nominal) 332.0 (Maximum)			0.7950 (Minimum) 0.9450 (Nominal) 1.122 (Maximum)			-0.3743 (Minimum) 9.626 (Nominal) 19.63 (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	Value
Before		30.09	Before		0.9525	Before		8.538
	-274.2 (Minimum) 25.82 (Nominal) 325.8 (Maximum)			0.8088 (Minimum) 0.9588 (Nominal) 1.142 (Maximum)			-0.5141 (Minimum) 9.486 (Nominal) 19.49 (Maximum)	
Phase	IM Elect Real Offset 10 kHz MM/M	Value	Phase	IM Elect Real Gain 10 kHz	Value			
Before		81.84	Before		0.9481			
	-466.3 (Minimum) 83.72 (Nominal) 633.7 (Maximum)			0.8031 (Minimum) 0.9531 (Nominal) 1.134 (Maximum)				
Phase	IM Elect Quad Offset 10 kHz MM/M	Value	Phase	IM Elect Quad Gain 10 kHz	Value			
Before		43.18	Before		0.9298			
	-505.2 (Minimum) 44.78 (Nominal) 594.8 (Maximum)			0.7864 (Minimum) 0.9364 (Nominal) 1.110 (Maximum)				

Before: 12-Sep-2001 18:58

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		11.34	Before		0.9654	Before		3.783
	-112.3 12.71 137.7			0.8181 0.9681 1.155			-10.04 4.963 19.96	

(Minimum)	(Nominal)	(Maximum)	(Minimum)	(Nominal)	(Maximum)	(Minimum)	(Nominal)	(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		12.20	Before		0.9817	Before		4.157
-114.4 (Minimum)	10.61 (Nominal)	135.6 (Maximum)	0.8345 (Minimum)	0.9845 (Nominal)	1.178 (Maximum)	-9.636 (Minimum)	5.364 (Nominal)	20.36 (Maximum)

Phase	IM Elect Real Offset 20 kHz MM/M	Value	Phase	IM Elect Real Gain 20 kHz	Value
Before		33.54	Before		0.9908
-190.6 (Minimum)	34.40 (Nominal)	259.4 (Maximum)	0.8402 (Minimum)	0.9902 (Nominal)	1.186 (Maximum)

Phase	IM Elect Quad Offset 20 kHz MM/M	Value	Phase	IM Elect Quad Gain 20 kHz	Value
Before		17.81	Before		0.9716
-206.6 (Minimum)	18.41 (Nominal)	243.4 (Maximum)	0.8226 (Minimum)	0.9726 (Nominal)	1.161 (Maximum)

Before: 12-Sep-2001 18:59

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		7.337	Before		0.9432	Before		13.79
-76.64 (Minimum)	8.357 (Nominal)	93.36 (Maximum)	0.8091 (Minimum)	0.9591 (Nominal)	1.142 (Maximum)	-3.127 (Minimum)	16.87 (Nominal)	36.87 (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		8.111	Before		0.9675	Before		13.60
-77.82 (Minimum)	7.177 (Nominal)	92.18 (Maximum)	0.8331 (Minimum)	0.9831 (Nominal)	1.176 (Maximum)	-3.348 (Minimum)	16.65 (Nominal)	36.65 (Maximum)

Phase	IM Elect Real Offset 40 kHz MM/M	Value	Phase	IM Elect Real Gain 40 kHz	Value
Before		21.47	Before		0.9855
-107.7 (Minimum)	22.29 (Nominal)	152.3 (Maximum)	0.8453 (Minimum)	0.9953 (Nominal)	1.193 (Maximum)

Phase	IM Elect Quad Offset 40 kHz MM/M	Value	Phase	IM Elect Quad Gain 40 kHz	Value
Before		11.50	Before		0.9661
-118.0 (Minimum)	11.97 (Nominal)	142.0 (Maximum)	0.8272 (Minimum)	0.9772 (Nominal)	1.168 (Maximum)

Before: 12-Sep-2001 19:00

Dual Induction - E Wellsite Calibration

SFL Electronics

Phase	SFL Voltage Offset MV	Value	Phase	SFL Voltage Gain	Value
Before		0.08807	Before		0.9931
-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		0.03023	Before		1.003
-0.6000 (Minimum)	0 (Nominal)	0.6000 (Maximum)	0.8500 (Minimum)	1.000 (Nominal)	1.200 (Maximum)

Before: 12-Sep-2001 19:01

Dual Induction - E Wellsite Calibration

Electronics Calibration Changes Files/Depth Intervals: 1: 0.0 - 0.0 16: 3733.0 - 3103.5

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		0.0001480	After		0.0005612
0 (Minimum)	0 (Nominal)	0.7500 (Maximum)	0 (Minimum)	0 (Nominal)	2.000 (Maximum)	0 (Minimum)	0 (Nominal)	0.02000 (Maximum)

Phase	IM (R > 27 OHM-M) MM/M	Value	Phase	IM (R < 27 OHM-M) %	Value
After		0	After		0.0001129
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		0.0003620
0 (Minimum)	0 (Nominal)	0.7500 (Maximum)	0 (Minimum)	0 (Nominal)	2.000 (Maximum)

After: 12-Sep-2001 21:53

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
Master		1407
Before		1396
After		1400
	1000 (Minimum) 1645 (Nominal) 2290 (Maximum)	

Phase	SS HV Measured Bkg V	Value
Master		1066
Before		1067
After		1071
	800.0 (Minimum) 1100 (Nominal) 1400 (Maximum)	

Phase	SS PSC DAC Value Bkg	Value
Master		16190
Before		15890
After		15890
	14100 (Minimum) 16000 (Nominal) 20000 (Maximum)	

Phase	SS Cs Centroid Bkg KEV	Value
Master		661.5
Before		661.3
After		661.2
	656.0 (Minimum) 661.0 (Nominal) 666.0 (Maximum)	

Phase	SS Cs Resolution Bkg %	Value
Master		8.496
Before		8.551
After		8.467
	7.000 (Minimum) 9.000 (Nominal) 11.00 (Maximum)	

Phase	LS Total Countrate Bkg CPS	Value
Master		1432
Before		1425
After		1422
	1000 (Minimum) 1645 (Nominal) 2290 (Maximum)	

Phase	LS HV Measured Bkg V	Value
Master		1185
Before		1188
After		1191
	800.0 (Minimum) 1100 (Nominal) 1400 (Maximum)	

Phase	LS PSC DAC Value Bkg	Value
Master		17690
Before		17300
After		17210
	14100 (Minimum) 16000 (Nominal) 20000 (Maximum)	

Phase	LS Cs Centroid Bkg KEV	Value
Master		661.1
Before		661.1
After		661.2
	656.0 (Minimum) 661.0 (Nominal) 666.0 (Maximum)	

Phase	LS Cs Resolution Bkg %	Value
Master		8.806
Before		8.775
After		8.768
	7.000 (Minimum) 9.000 (Nominal) 11.00 (Maximum)	

Phase	LSW1 Background CPS	Value
Master		85.60
Before		85.29
After		84.53
	55.00 (Minimum) 100.0 (Nominal) 150.0 (Maximum)	

Phase	LSW2 Background CPS	Value
Master		78.77
Before		79.32
After		78.77
	50.00 (Minimum) 100.0 (Nominal) 140.0 (Maximum)	

Phase	LSW3 Background CPS	Value
Master		177.6
Before		175.0
After		177.0
	110.0 (Minimum) 200.0 (Nominal) 290.0 (Maximum)	

Phase	LSW4 Background CPS	Value
Master		214.7
Before		212.2
After		212.9
	140.0 (Minimum) 250.0 (Nominal) 360.0 (Maximum)	

Phase	LSW5 Background CPS	Value
Master		492.1
Before		489.7
After		485.3
	330.0 (Minimum) 600.0 (Nominal) 830.0 (Maximum)	

Phase	SSW1 Background CPS	Value
Master		87.08
Before		85.36
After		86.06
	55.00 (Minimum) 100.0 (Nominal) 150.0 (Maximum)	

Phase	SSW2 Background CPS	Value
Master		153.1
Before		152.4
After		152.1
	100.0 (Minimum) 200.0 (Nominal) 260.0 (Maximum)	

Phase	SSW3 Background CPS	Value
Master		407.7
Before		407.6
After		405.7
	280.0 (Minimum) 500.0 (Nominal) 700.0 (Maximum)	

Phase	SSW4 Background CPS	Value
Master		218.9
Before		216.2
After		216.8
	150.0 (Minimum) 270.0 (Nominal) 380.0 (Maximum)	

Phase	SSW5 Background CPS	Value
Master		159.9
Before		157.3
After		158.5
	110.0 (Minimum) 200.0 (Nominal) 270.0 (Maximum)	

Master: 14-Aug-2001 9:52 Before: 4-Sep-2001 17:08 After: 13-Sep-2001 2:21

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 - BA	22
APS Minitron	MNTR - F	4185
Auxiliary Equipment:		
Accelerator-Porosity Housing	APH - AC	22
APS Calibration Water Tank	SFT - 178	4722
APS Aluminium Calibrator Sleeve	SFT - 281	24

Accelerator-Porosity Tool Wellsite Calibration

Detector Background

Phase	Near Det Bkg Cntrate CPS	Value
Master		31.20
Before		32.23
After		31.65
0 (Minimum)	30.00 (Nominal)	50.00 (Maximum)

Phase	Far Det Bkg Cntrate CPS	Value
Master		34.55
Before		33.67
After		33.21
0 (Minimum)	30.00 (Nominal)	50.00 (Maximum)

Phase	Array-1 Det Bkg Cntrate CPS	Value
Master		30.79
Before		29.16
After		29.20
0 (Minimum)	30.00 (Nominal)	50.00 (Maximum)

Phase	Array-2 Det Bkg Cntrate CPS	Value
Master		29.57
Before		31.00
After		30.78
0 (Minimum)	30.00 (Nominal)	50.00 (Maximum)

Phase	Array Therm Det Bkg Cntrate CPS	Value
Master		31.99
Before		33.52
After		31.99
0 (Minimum)	30.00 (Nominal)	50.00 (Maximum)

Master: 5-Aug-2001 8:26 Before: 4-Sep-2001 15:10 After: 13-Sep-2001 2:21

Accelerator-Porosity Tool Wellsite Calibration

Calibration Ratios

Phase	Near/Far Calibration Ratio	Value
Master		0.9005
0.8000 (Minimum)	0.9250 (Nominal)	1.050 (Maximum)

Phase	Near/Array Calibration Ratio	Value
Master		1.063
0.9000 (Minimum)	1.030 (Nominal)	1.150 (Maximum)

Master: 5-Aug-2001 8:26

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
Master		40.75
Before		40.42
After		40.62
37.50 (Minimum)	40.00 (Nominal)	42.50 (Maximum)

Phase	Na 511 Peak Res %	Value
Master		14.92
Before	MASTER-BEFORE LIMIT	17.65
After		16.86
12.00 (Minimum)	15.50 (Nominal)	19.00 (Maximum)

Phase	High Voltage V	Value
Master		1102
Before		1104
After		1110
900.0 (Minimum)	1150 (Nominal)	1600 (Maximum)

Phase	Na 1785 Peak Loc	Value
Master		145.5
Before		146.1

Phase	Na 1785 Peak Res %	Value
Master		8.368
Before		9.843

Phase	Temperature DEGC	Value
Master		29.85
Before		30.46

Phase	Na 511 Peak Loc	Value
Before		146.1
After		144.9

135.0 (Minimum) 142.6 (Nominal) 150.3 (Maximum)

Phase	Na 511 Peak Res %	Value
Before		9.842
After		10.47

7.000 (Minimum) 8.500 (Nominal) 11.00 (Maximum)

Phase	High Voltage V	Value
Before		29.46
After		26.91

-28.89 (Minimum) 15.50 (Nominal) 60.00 (Maximum)

Phase	Na Count Rate CPS	Value
Master		19.15
Before		18.58
After		18.57

15.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)

Master: 17-Aug-2001 10:43 Before: 3-Sep-2001 20:06 After: 13-Sep-2001 2:25

Hostile Natural Gamma Ray Sonde Wellsite Calibration

Detector 2 Check

Phase	Na 511 Peak Loc	Value
Master		40.48
Before		40.77
After		40.65

37.50 (Minimum) 40.00 (Nominal) 42.50 (Maximum)

Phase	Na 511 Peak Res %	Value
Master		15.46
Before		14.78
After		15.75

12.00 (Minimum) 15.50 (Nominal) 19.00 (Maximum)

Phase	High Voltage V	Value
Master		1189
Before		1193
After		1198

900.0 (Minimum) 1150 (Nominal) 1600 (Maximum)

Phase	Na 1785 Peak Loc	Value
Master		144.7
Before		144.8
After		145.1

135.0 (Minimum) 142.6 (Nominal) 150.3 (Maximum)

Phase	Na 1785 Peak Res %	Value
Master		8.153
Before		8.440
After		9.115

7.000 (Minimum) 8.500 (Nominal) 11.00 (Maximum)

Phase	Temperature DEGC	Value
Master		28.81
Before		28.44
After		26.29

-28.89 (Minimum) 15.50 (Nominal) 60.00 (Maximum)

Phase	Na Count Rate CPS	Value
Master		19.17
Before		18.86
After		18.77

15.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)

Master: 17-Aug-2001 10:43 Before: 3-Sep-2001 20:06 After: 13-Sep-2001 2:25

Hostile Natural Gamma Ray Sonde Wellsite Calibration

Ratio Of Detector 1 To Detector 2

Phase	Coincidence Count Rate Ratio	Value
Master		0.9977
Before		0.9861
After		0.9911

0.9500 (Minimum) 1.000 (Nominal) 1.050 (Maximum)

Master: 17-Aug-2001 10:43
Before: 3-Sep-2001 20:06
After: 13-Sep-2001 2:25

COMPANY:	Lamont Doherty
WELL:	ODP Leg 198, Site 1207-B
FIELD:	Shatsky Rise

BOTTOM LOG INTERVAL	3731 m
SCHLUMBERGER DEPTH	3733 m
DEPTH DRILLER	3734.5 m
KELLY BUSHING	11.3 m

Country:	Japan	DRILL FLOOR	11 m
Ocean:	Pacific Ocean	GROUND LEVEL	-3111.7 m

Schlumberger

Phasor Induction/NGTC