

COMPANY: Lamont Doherty

WELL: ODP Leg 198, Site 1213-B

FIELD: Shatsky Rise

Country: Japan Ocean: Pacific Ocean

Schlumberger Phasor Induction/NGTC

Country: Japan
Field: Shatsky Rise
Location: Rig- Joides Resolution
Well: ODP Leg 198, Site 1213-B
Company: Lamont Doherty

LOCATION		Rig- Joides Resolution	Elev.: K.B. 11.3 m G.L. -3894 m D.F. 11 m
Permanent Datum:	GROUND LEVEL		Elev.: _____
Log Measured From:	DES		above Perm. Datum
Drilling Measured From:	DES		
API Serial No.	Max. Hole Devi.	Longitude E 157.2976	Latitude N 31.5776

Logging Date	Run 1	Run 2	Run
Run Number			
Depth Driller			
Schlumberger Depth			
Bottom Log Interval			
Top Log Interval			
Casing Driller Size @ Depth			
Casing Schlumberger			
Bit Size			
Type Fluid In Hole			
Density			
Fluid Loss			
Source Of Sample			
RM @ Measured Temperature			
RMF @ Measured Temperature			
RMC @ Measured Temperature			
Source RMF			
RM @ MRT			
Maximum Recorded Temperatures			
Circulation Stopped			
Logger On Bottom			
Unit Number			
Recorded By			
Witnessed By			

Logging Date	10-9-01		
Run Number	1		
Depth Driller	4388.4 m		
Schlumberger Depth	4324.5 m		
Bottom Log Interval	4323 m		
Top Log Interval	4082.5 m		
Casing Driller Size @ Depth	0.000 in	@	3984 m
Casing Schlumberger	3984 m		
Bit Size	9.875 in		
Type Fluid In Hole	Sepiolite		
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	2100	
Logger On Bottom	Time	See Log	
Unit Number	99	Houston	
Recorded By	Steve Kittredge		
Witnessed By	Trevor Williams		

Logging Date	Run 1	Run 2	Run
Run Number			
Depth Driller			
Schlumberger Depth			
Bottom Log Interval			
Top Log Interval			
Casing Driller Size @ Depth			
Casing Schlumberger			
Bit Size			
Type Fluid In Hole			
Density			
Fluid Loss			
Source Of Sample			
RM @ Measured Temperature			
RMF @ Measured Temperature			
RMC @ Measured Temperature			
Source RMF			
RM @ MRT			
Maximum Recorded Temperatures			
Circulation Stopped			
Logger On Bottom			
Unit Number			
Recorded By			
Witnessed By			

DISCLAIMER

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OTHER SERVICES1 OS1: OS2: None OS3: OS4: OS5:	OTHER SERVICES2 OS1: OS2: OS3: OS4: OS5:
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REMARKS: RUN NUMBER 1 Toolstring- DITE/HLDS/APS/HNGS//MGT WHC Used on this run. Seas Moderate. Log Measured in Meters Below Rig Floor (MBRF). Total Depth Driller- 4388.4 MBRF. Sea Floor Driller- 3894 MBRF. Total Depth Logger- 4324.5 MBRF. Could not get to bottom due to hole problems. Log was stopped at 4082.5 due to severe overpull. No repeat log run. Could not close the caliper. No further logging attempted.	REMARKS: RUN NUMBER 2
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RUN 1			RUN 2		
SERVICE ORDER #:			SERVICE ORDER #:		
PROGRAM VERSION:		9C2-303	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 SFT-178 4722 GSR-U 135 WITM (DTS)-A			

DOWNHOLE EQUIPMENT			
LEH-QT		28.69	
LEH-QT			
DTC-H	CTEM	27.52	27.80
ECH-KC	TelStatus ToolStatu	26.89	
HNGS-BA	Upper_1	26.19	26.89
HNGS BA 27	Lower_2	25.98	

HNGS-BA 27
HNSH-BA 27

Lower_2

23.95

ILE-D
ILE-D



24.39

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

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

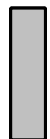


21.95

19.51
19.43
19.30
19.20

NPLC-B
NPLC-B 79
NPH-B 82

Status

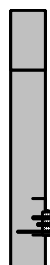


18.01

16.78

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

Caliper
SS LS Status



15.56

11.51

DTA-A
ECH-KE
DTA-A



10.74

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



9.52

SP
Deep Ind
Aux Meas SFL
Med Ind
Status HV DF
Tension

3.15
2.90
1.98
1.83
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_004LUP	FN:4	PRODUCER	09-Oct-2001 06:03	4327.4 M	4082.8 M
TCOMB_CUST	PI_LDL_APS_HNGS_004LUP	FN:5	PRODUCER	09-Oct-2001 06:03	4327.4 M	4081.8 M

OP System Version: 9C2-303

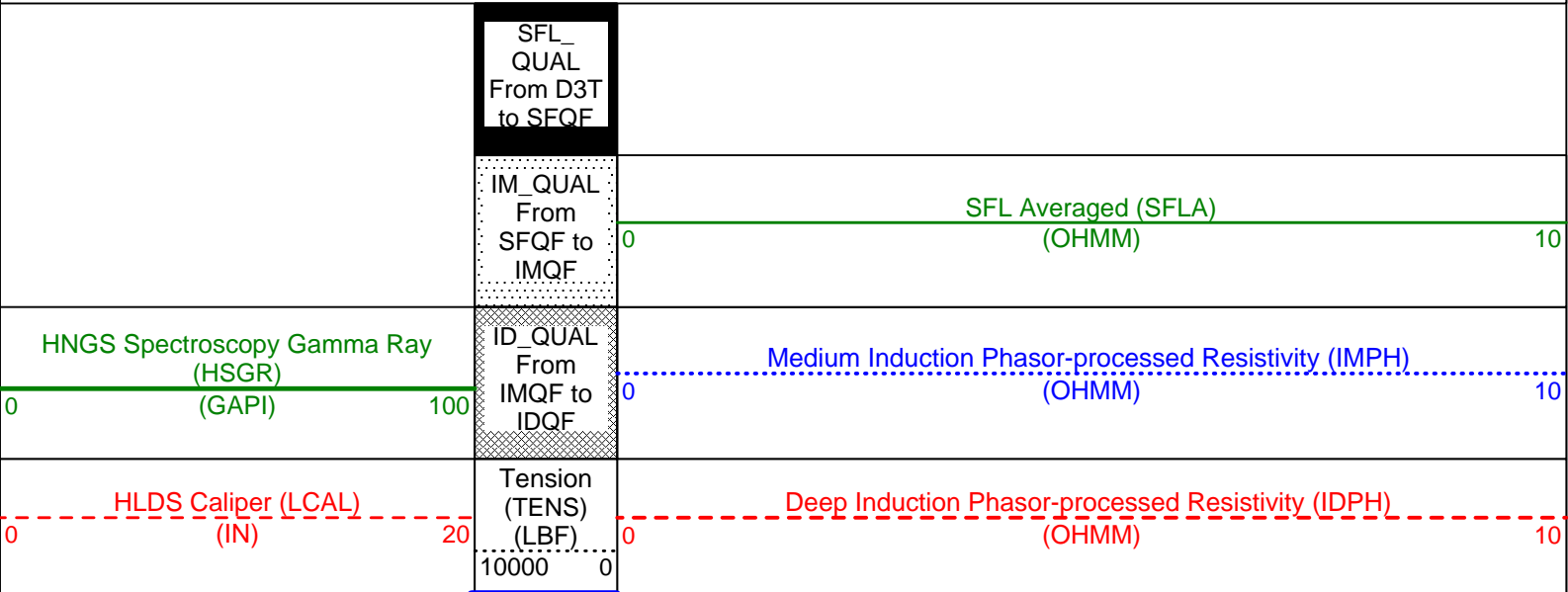
MCM

Main Up Log

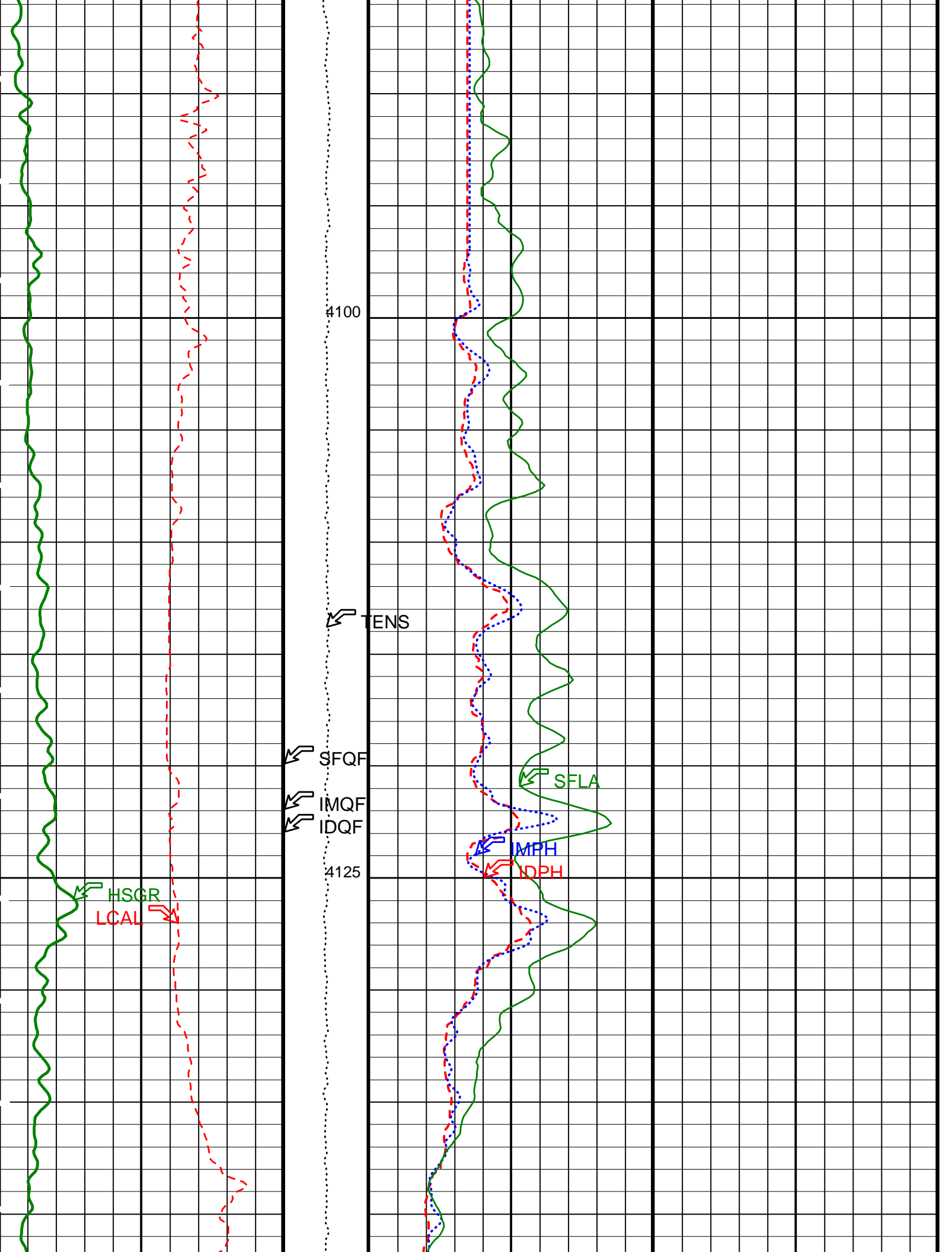
DIT-E	9C2-303	DTA-A	9C2-303
HLDS	9C2-303	NPLC-B	9C2-303
APS-BA	9C2-303	HNGS-BA	9C2-303
DTC-H	9C2-303		

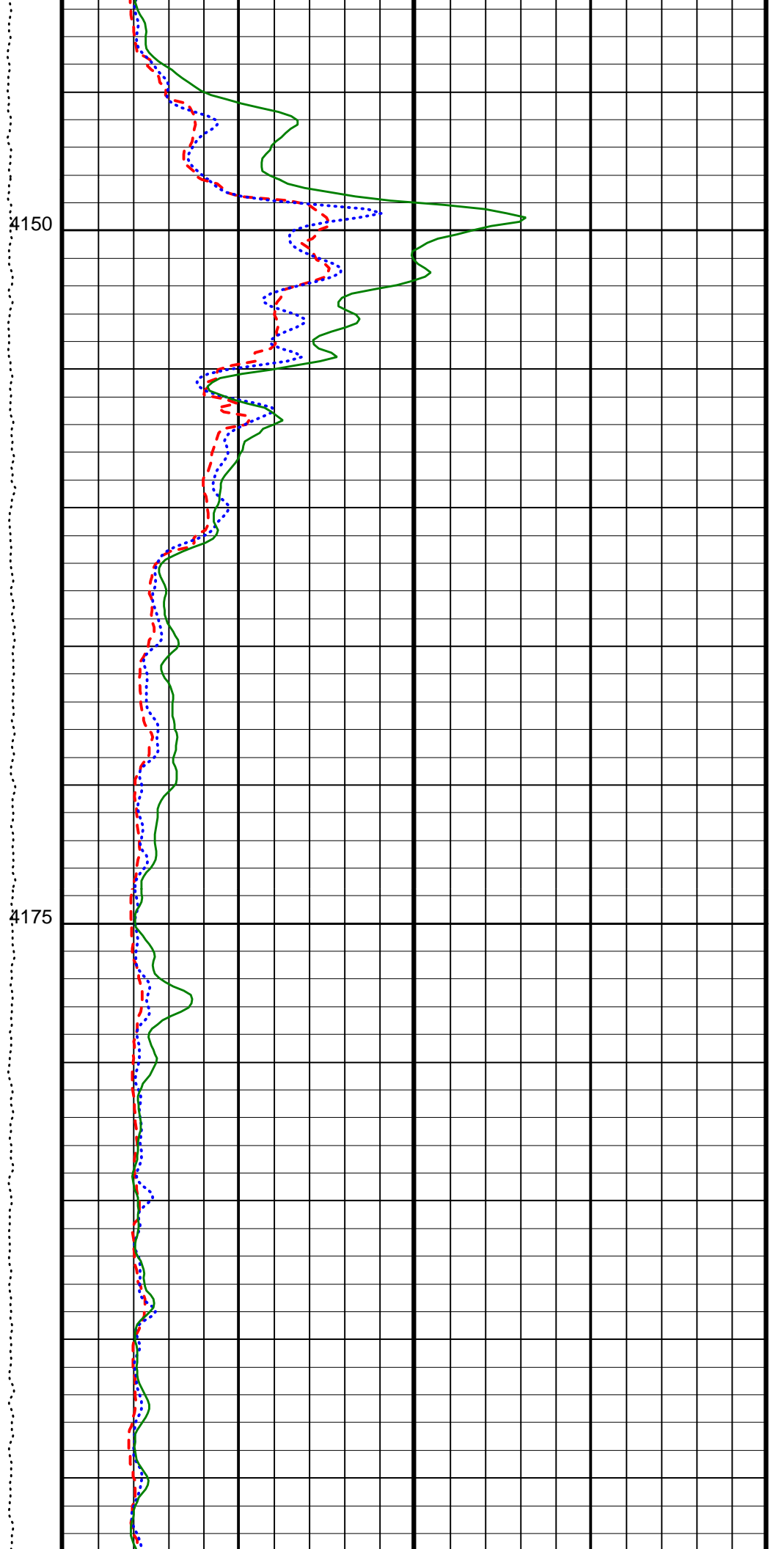
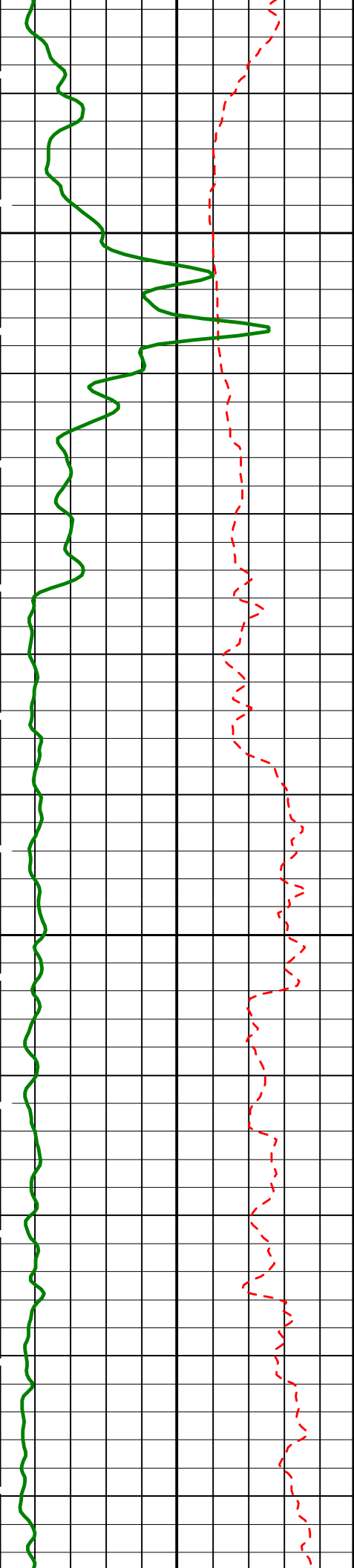
PIP SUMMARY

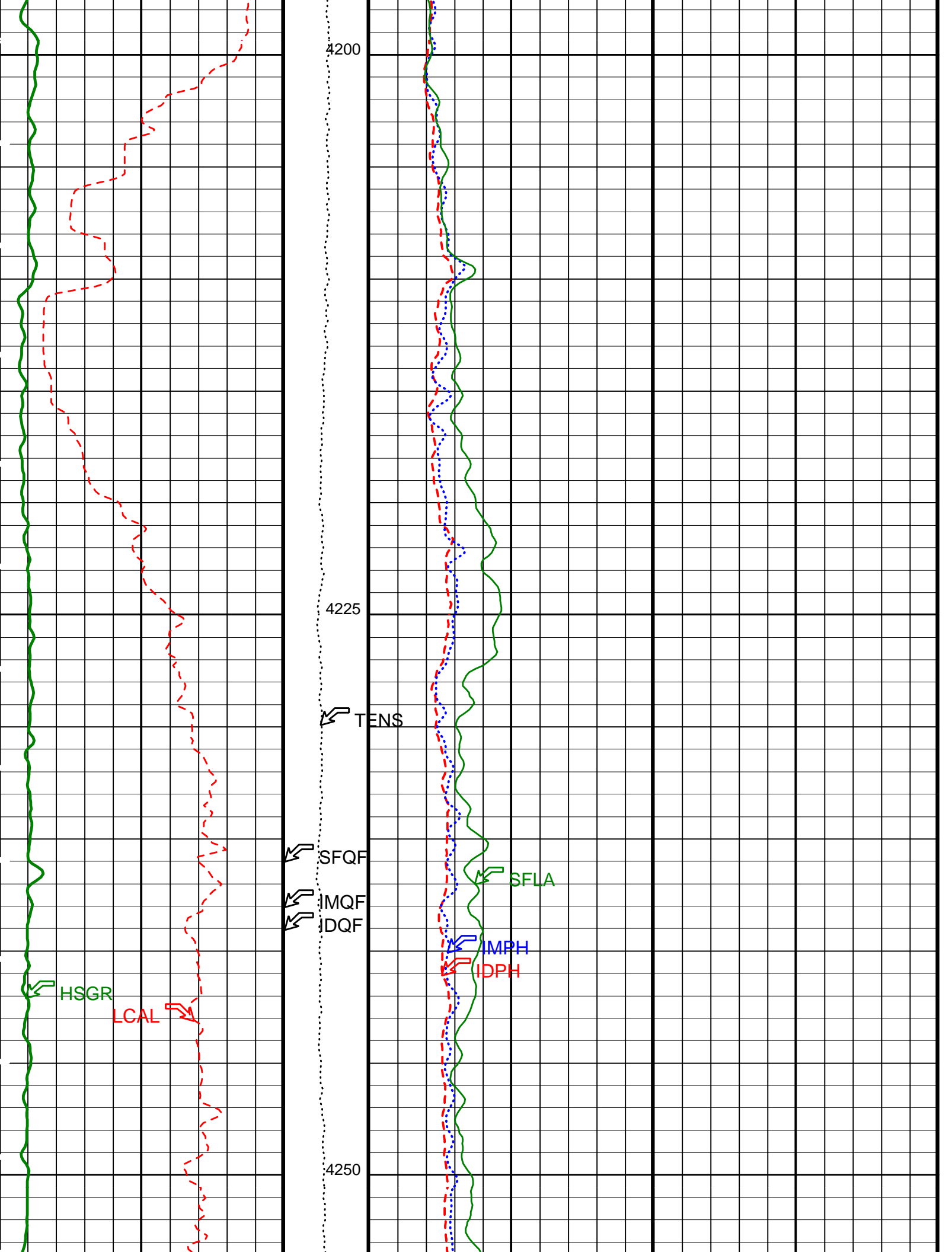
▶ Time Mark Every 60 S

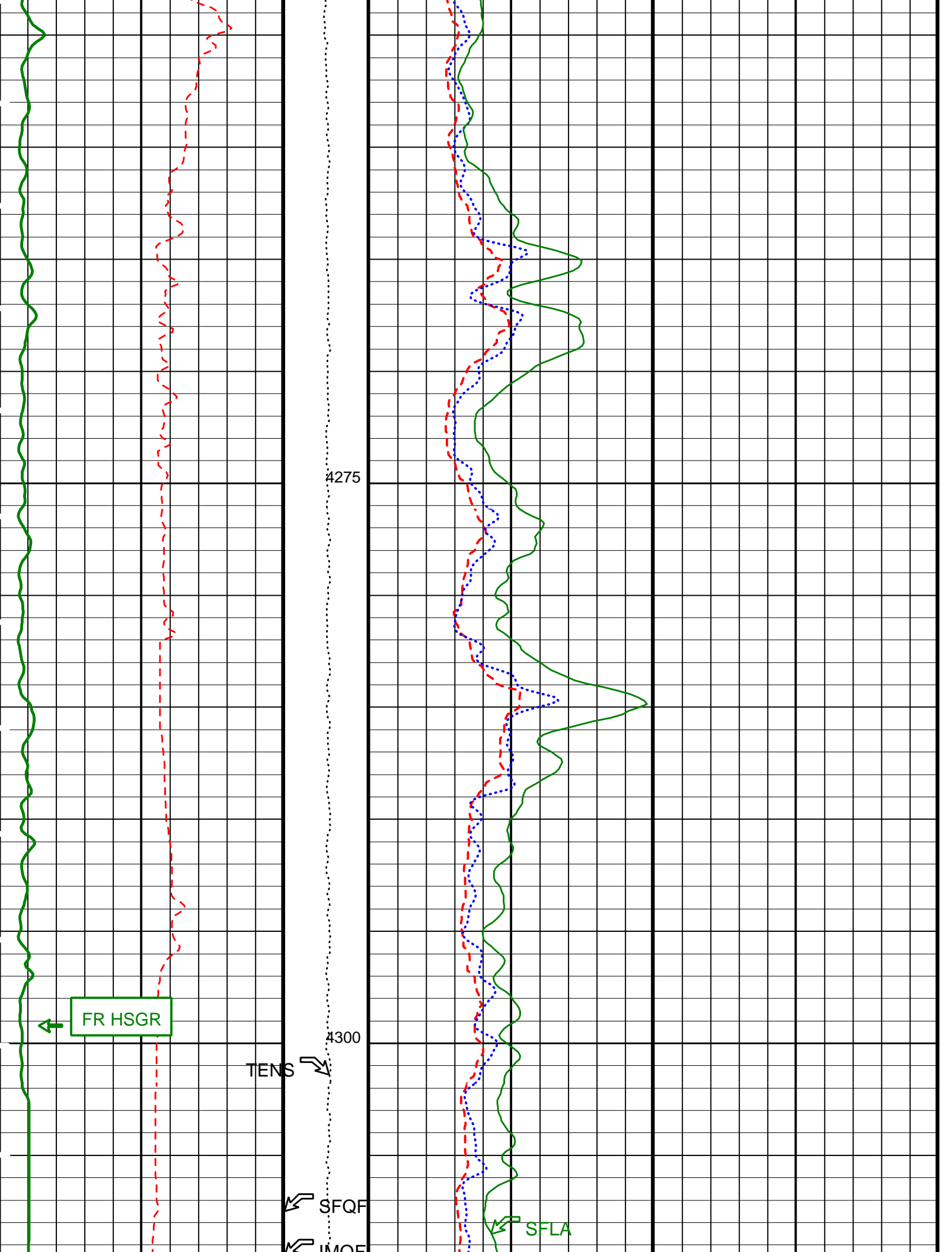


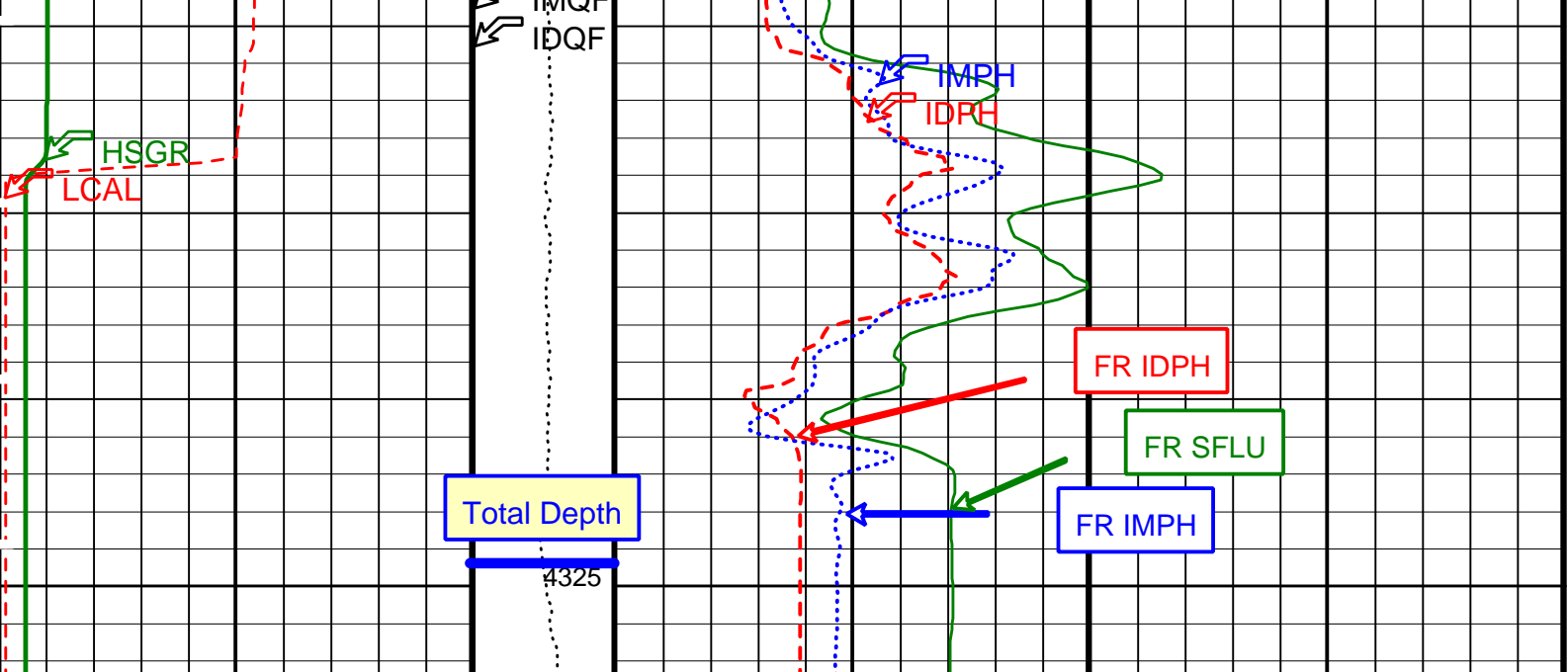
Last Reading











HLDS Caliper (LCAL) (IN)	Tension (TENS) (LBF)	Deep Induction Phasor-processed Resistivity (IDPH) (OHMM)
HNGS Spectroscopy Gamma Ray (HSGR) (GAPI)	ID_QUAL From IMQF to IDQF	Medium Induction Phasor-processed Resistivity (IMPH) (OHMM)
	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)	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
DSP2	Deep Sigma Reference (20 kHz)	18.13 MM/M

DSR2	Deep Sigma Reference (20 kHz)	1645	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	1.37121e-031	
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	4388.4	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: 09-Oct-2001 06:03

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_004LUP	FN:4	PRODUCER	09-Oct-2001 06:03
TCOMB_CUST	PI_LDL_APS_HNGS_004LUP	FN:5	PRODUCER	09-Oct-2001 06:03

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
Hostile Litho-Density Sonde Wellsite Calibration - Background Measurement							
Master: 14-Aug-2001 10:52 Before: 4-Sep-2001 18:08							
SS Total Countrate Bkg	1645	1407	1396	N/A	N/A	80.00	CPS
SS HV Measured Bkg	1100	1066	1067	N/A	N/A	80.00	V
SS Cs Centroid Bkg	661.0	661.5	661.3	N/A	N/A	1.500	KEV
SS Cs Resolution Bkg	9.000	8.496	8.551	N/A	N/A	1.800	%
LS Total Countrate Bkg	1645	1432	1425	N/A	N/A	80.00	CPS
LS HV Measured Bkg	1100	1185	1188	N/A	N/A	80.00	V
LS Cs Centroid Bkg	661.0	661.1	661.1	N/A	N/A	1.500	KEV
LS Cs Resolution Bkg	9.000	8.806	8.775	N/A	N/A	1.800	%

Hostile Litho-Density Sonde Wellsite Calibration - Caliper Calibration

Before: 4-Sep-2001 18:12

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 9:26 Before: 4-Sep-2001 16:10

Near Det Bkg Cntrate	30.00	31.20	32.23	N/A	N/A	N/A	CPS
Far Det Bkg Cntrate	30.00	34.55	33.67	N/A	N/A	N/A	CPS
Array-1 Det Bkg Cntrate	30.00	30.79	29.16	N/A	N/A	N/A	CPS
Array-2 Det Bkg Cntrate	30.00	29.57	31.00	N/A	N/A	N/A	CPS
Array Therm Det Bkg Cntrate	30.00	31.99	33.52	N/A	N/A	N/A	CPS

Accelerator-Porosity Tool Wellsite Calibration - Calibration Ratios

Master: 5-Aug-2001 9:26

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 11:43 Before: 3-Sep-2001 21:06

Na 511 Peak Loc	40.00	40.75	40.42	N/A	N/A	1.000
Na 511 Peak Res	15.50	14.92	17.65	N/A	N/A	2.000 %
High Voltage	1150	1102	1104	N/A	N/A	30.00 V
Na 1785 Peak Loc	142.6	145.5	146.1	N/A	N/A	7.000
Na 1785 Peak Res	8.500	8.368	9.842	N/A	N/A	2.000 %
Temperature	15.50	29.85	29.46	N/A	N/A	N/A DEGC
Na Count Rate	45.00	19.15	18.58	N/A	N/A	8.000 CPS

Hostile Natural Gamma Ray Sonde Wellsite Calibration - Detector 2 Check

Master: 17-Aug-2001 11:43 Before: 3-Sep-2001 21:06

Na 511 Peak Loc	40.00	40.48	40.77	N/A	N/A	1.000
Na 511 Peak Res	15.50	15.46	14.78	N/A	N/A	2.000 %
High Voltage	1150	1189	1193	N/A	N/A	30.00 V
Na 1785 Peak Loc	142.6	144.7	144.8	N/A	N/A	7.000
Na 1785 Peak Res	8.500	8.153	8.440	N/A	N/A	2.000 %
Temperature	15.50	28.81	28.44	N/A	N/A	N/A DEGC
Na Count Rate	45.00	19.17	18.86	N/A	N/A	8.000 CPS

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

Master: 17-Aug-2001 11:43 Before: 3-Sep-2001 21:06

Coincidence Count Rate Ratio	1.000	0.9977	0.9861	N/A	N/A	0.05000
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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			28.67	Before		0.9397	Before			8.753	
	-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			30.68	Before		0.9535	Before			8.530	
	-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			81.82	Before		0.9491					
	-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		43.15	Before		0.9308
-505.2 (Minimum)	44.78 (Nominal)	594.8 (Maximum)	0.7864 (Minimum)	0.9364 (Nominal)	1.110 (Maximum)

Before: 9-Oct-2001 5:47

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			11.30	Before		0.9665	Before		3.759
-112.3 (Minimum)	12.71 (Nominal)	137.7 (Maximum)		0.8181 (Minimum)	0.9681 (Nominal)	1.155 (Maximum)	-10.04 (Minimum)	4.963 (Nominal)	19.96 (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			12.43	Before		0.9826	Before		4.131
-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		0.9917			
-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			17.83	Before		0.9725			
-206.6 (Minimum)	18.41 (Nominal)	243.4 (Maximum)		0.8226 (Minimum)	0.9726 (Nominal)	1.161 (Maximum)			

Before: 9-Oct-2001 5:48

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			7.317	Before		0.9440	Before		13.76
-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			8.270	Before		0.9680	Before		13.56
-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			21.46	Before		0.9860			
-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			11.49	Before		0.9666			
-118.0 (Minimum)	11.97 (Nominal)	142.0 (Maximum)		0.8272 (Minimum)	0.9772 (Nominal)	1.168 (Maximum)			

Before: 9-Oct-2001 5:49

Dual Induction - E Wellsite Calibration					
SFL Electronics					
Phase	SFL Voltage Offset MV	Value	Phase	SFL Voltage Gain	Value
Before		0.07954	Before		0.9929
-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		0.02998	Before		1.003
-0.6000 (Minimum)	0 (Nominal)	0.6000 (Maximum)	0.8500 (Minimum)	1.000 (Nominal)	1.200 (Maximum)

Before: 9-Oct-2001 5:50

Hostile Litho-Density Sonde / Equipment Identification

Primary Equipment:

Hostile Litho Density Sonde
 Hostile Litho Density High Voltage
 Gamma Source Radioactive

HLDS - D 35
 HLDV - D 35
 GSR - Z 1846

Auxiliary Equipment:

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		1407	Master		1066	Master		16190	
Before		1396	Before		1067	Before		15890	
	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		661.5	Master		8.496	Master		1432	
Before		661.3	Before		8.551	Before		1425	
	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		1185	Master		17690	Master		661.1	
Before		1188	Before		17300	Before		661.1	
	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		8.806	Master		85.60	Master		78.77	
Before		8.775	Before		85.29	Before		79.32	
	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		177.6	Master		214.7	Master		492.1	
Before		175.0	Before		212.2	Before		489.7	
	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		87.08	Master		153.1	Master		407.7	
Before		85.36	Before		152.4	Before		407.6	
	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		218.9	Master		159.9				
Before		216.2	Before		157.3				
	150.0 (Minimum) 270.0 (Nominal) 380.0 (Maximum)			110.0 (Minimum) 200.0 (Nominal) 270.0 (Maximum)					
Master: 14-Aug-2001 10:52					Before: 4-Sep-2001 18:08				

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

Before		144.8	Before		8.440	Before		28.44
	135.0 (Minimum)	142.6 (Nominal)	150.3 (Maximum)		7.000 (Minimum)	8.500 (Nominal)	11.00 (Maximum)	
Phase	Na Count Rate CPS		Value					
Master			19.17					
Before			18.86					
	15.00 (Minimum)	45.00 (Nominal)	100.0 (Maximum)					
Master: 17-Aug-2001 11:43				Before: 3-Sep-2001 21:06				

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
	0.9500 (Minimum)	1.000 (Nominal)
		1.050 (Maximum)
Master: 17-Aug-2001 11:43		
Before: 3-Sep-2001 21:06		

COMPANY: Lamont Doherty WELL: ODP Leg 198, Site 1213-B FIELD: Shatsky Rise Country: Japan Ocean: Pacific Ocean	BOTTOM LOG INTERVAL	4323 m
	SCHLUMBERGER DEPTH	4324.5 m
	DEPTH DRILLER	4388.4 m
	KELLY BUSHING	11.3 m
	DRILL FLOOR	11 m
	GROUND LEVEL	-3894 m

Schlumberger

Phasor Induction/NGTC