

COMPANY: Lamont Doherty

WELL: ODP Leg 194, Site 1198B

FIELD: Marion Plateau

Country: Australia Ocean: Pacific Ocean

Country: Australia
 Field: Marion Plateau
 Location: Rig- Joides Resolution
 Well: ODP Leg 194, Site 1198B
 Company: Lamont Doherty

LOCATION		GROUND LEVEL		Elev.:	
Rig- Joides Resolution				K.B.	11.3 m
				G.L.	-330.5 m
				D.F.	11 m
Permanent Datum: _____		_____		Elev.: _____	
Log Measured From: DES _____		DES _____		above Perm. Datum	
Drilling Measured From: DES _____		DES _____		_____	
API Serial No.	SECTION	TOWNSHIP	RANGE		

Phasor Induction-Natural Gamma Ray

	Run 1	Run 2	Run

Logging Date	2/10/01		
Run Number	1		
Depth Driller	853.1 m		
Schlumberger Depth	562.5 m		
Bottom Log Interval	560 m		
Top Log Interval	320.3 m		
Casing Driller Size @ Depth	0.000 in	@	406.3 m
Casing Schlumberger	405 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	1900	
Logger On Bottom	Time	See Log	
Unit Number	99	Houston	
Recorded By	Steve Kittredge		
Witnessed By	Heike Delius, Gregor Eberli		

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			
Density	Viscosity		
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			
Recorded By			
Witnessed By			

DISCLAIMER

THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE OF AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.


OTHER SERVICES1 OS1: None OS2: OS3: OS4: OS5:	OTHER SERVICES2 OS1: OS2: OS3: OS4: OS5:
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REMARKS: RUN NUMBER 1 Hole Cored With RCB. WHC used on all runs. Could not get past 566 MBRF. Log Measured in Meters Below Rig Floor (MBRF). Sea Floor Driller- 330.5 MBRF. Sea Floor Logger- 331.5 MBRF. Drill Pipe Driller- 406 MBRF. Drill Pipe Logger- 405 MBRF. Total Depth Driller- 853.1 MBRF. Total Depth Logger- 562.5 MBRF. Due to hole conditions no further logging was attempted. Sepiolite Mud used to flush the hole.	REMARKS: RUN NUMBER 2
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RUN 1			RUN 2		
SERVICE ORDER #:			SERVICE ORDER #:		
PROGRAM VERSION:	9C1-303		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	

HNSG-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

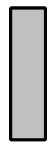


21.95

19.51
19.43
19.30
19.20

NPLC-B
NPLC-B 79
NPH-B 82

Status

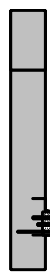


18.01

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 174
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	DITE .003	FN:3	PRODUCER	10-Feb-2001 22:39	562.4 M	320.3 M
TCOMBO_CUST	DITE .003	FN:4	PRODUCER	10-Feb-2001 22:39	562.4 M	320.3 M

OP System Version: 9C1-303
MCM

MAIN UP LOG

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		

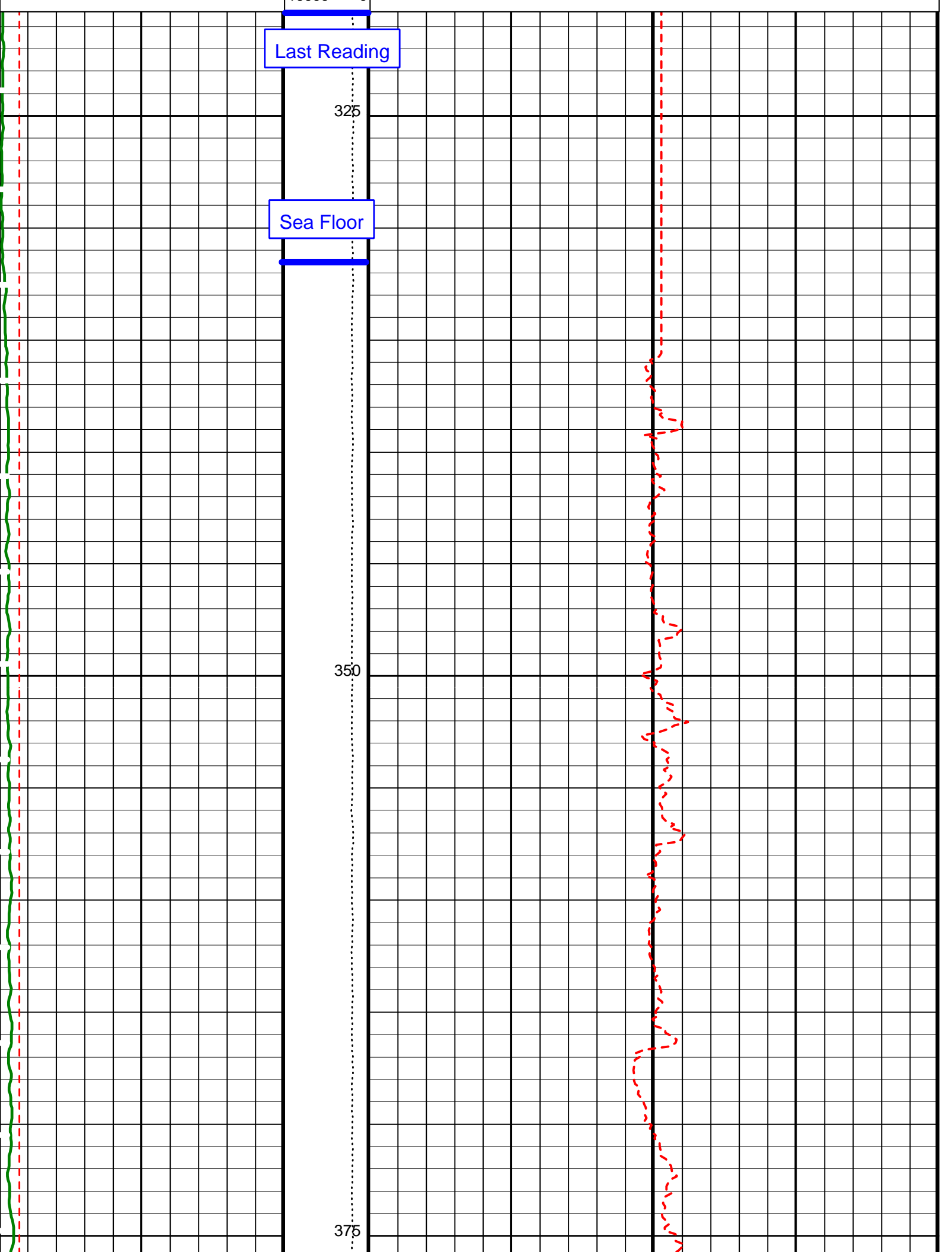
Changed Parameter Summary

DLIS Name	New Value	Previous Value	Depth & Time
GCSE	BS	LCAL	442.1 23:15:10

PIP SUMMARY

Time Mark Every 60 S

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



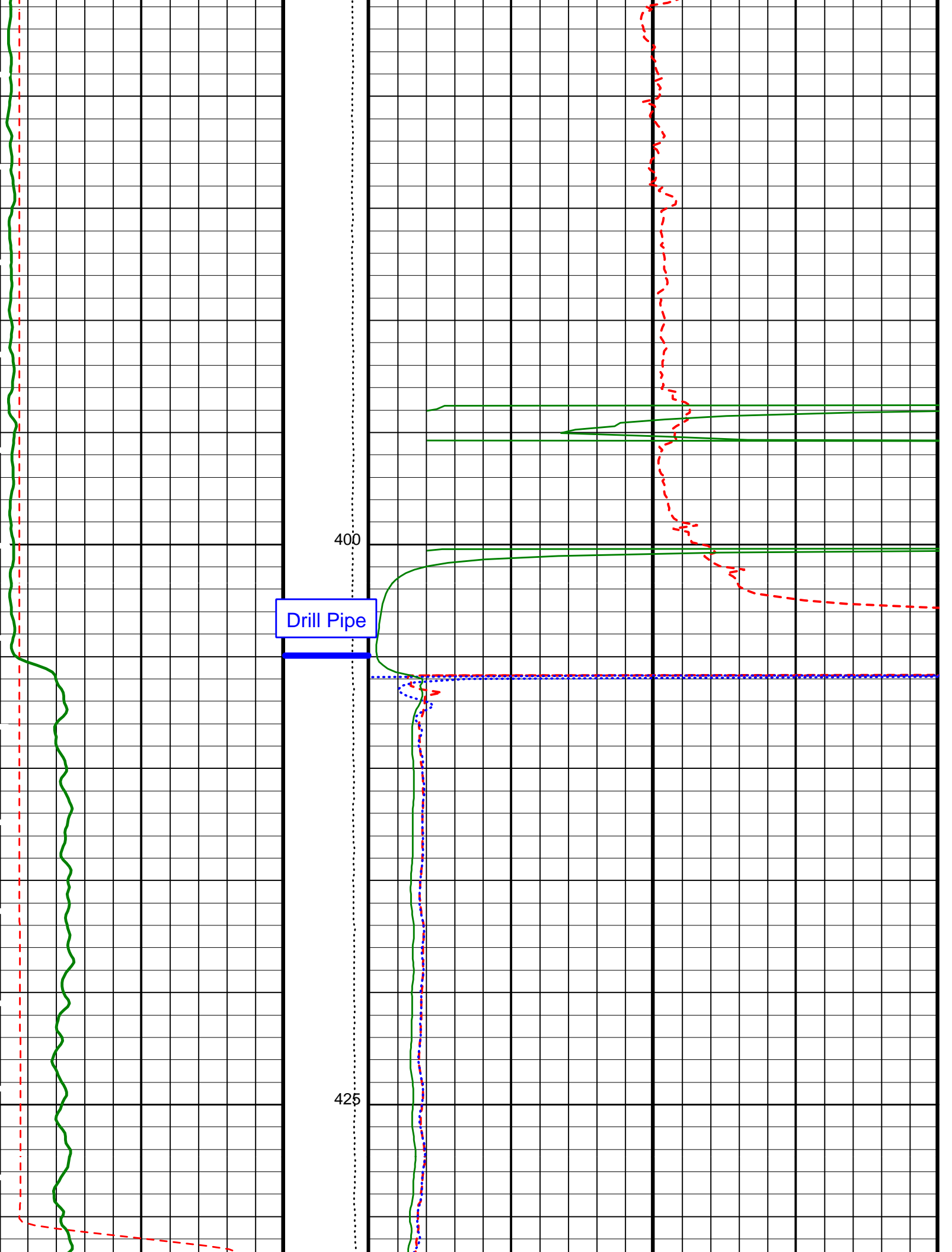
Last Reading

Sea Floor

325

350

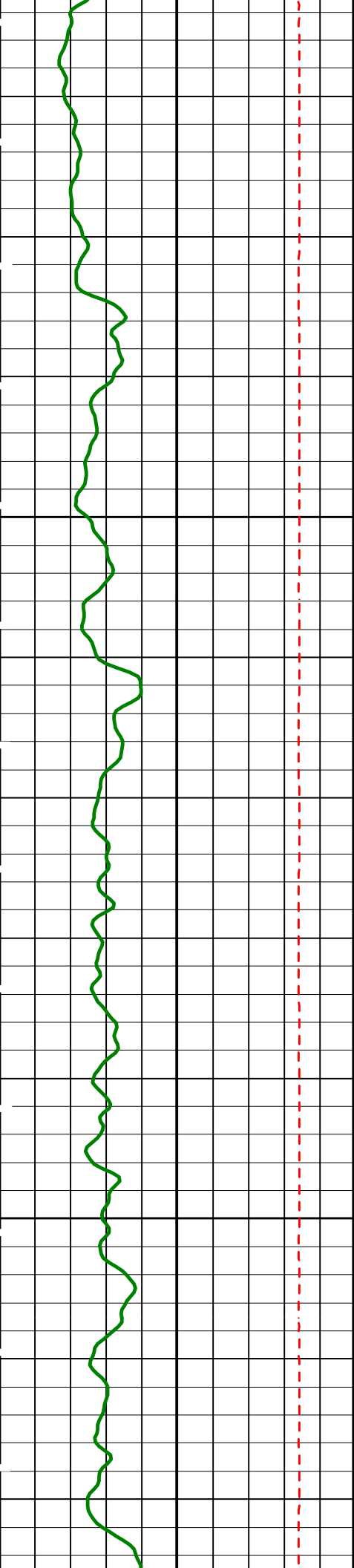
375



Drill Pipe

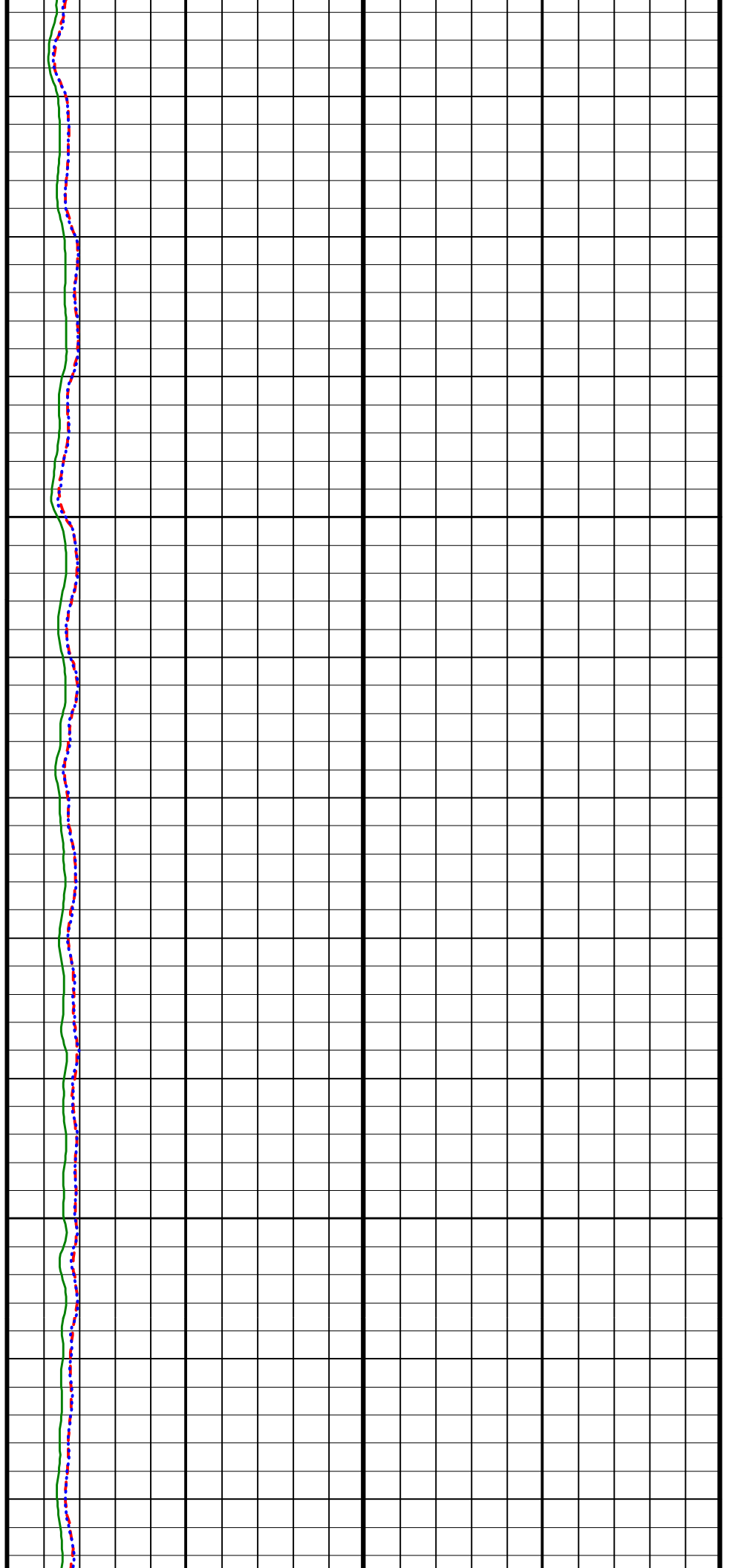
400

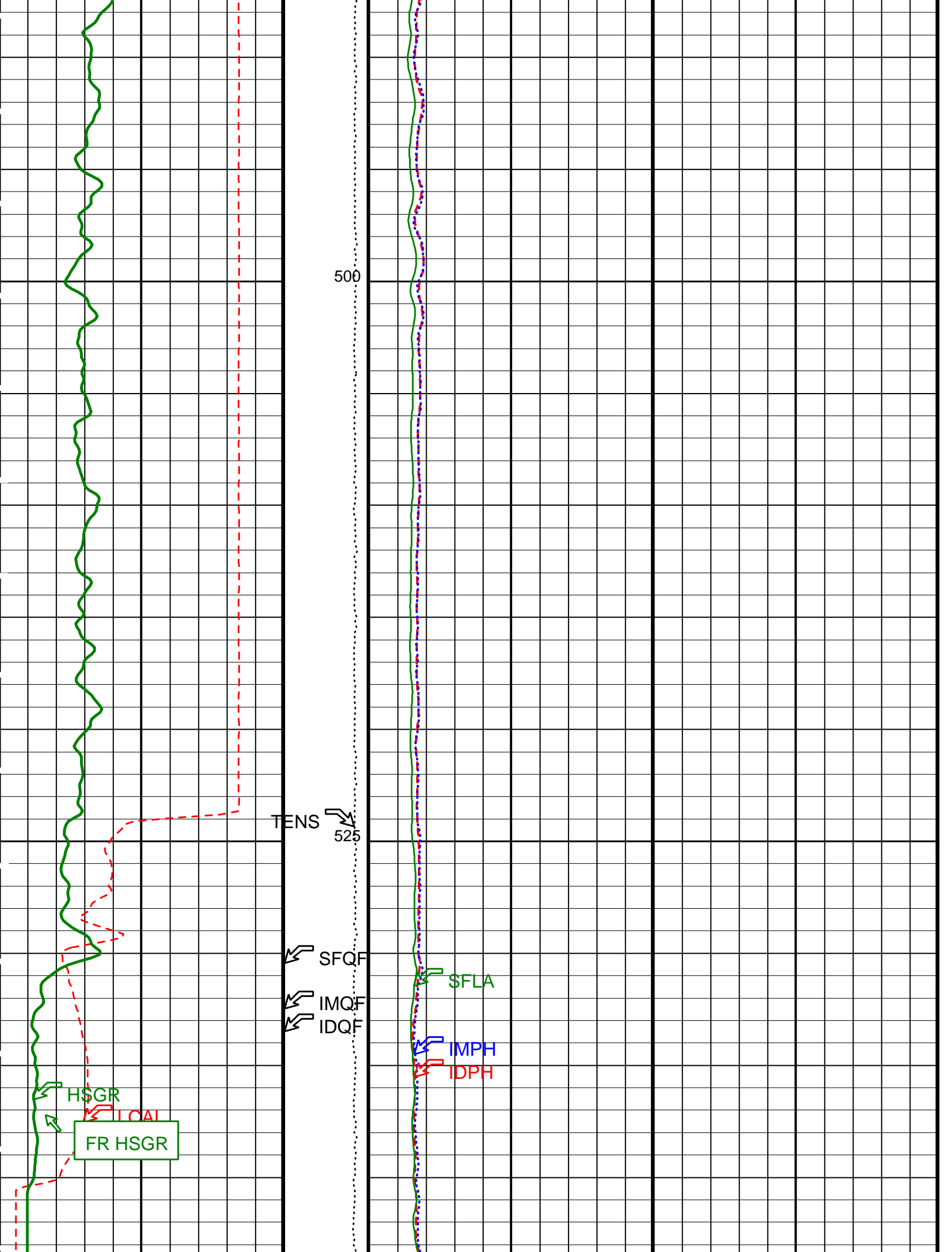
425

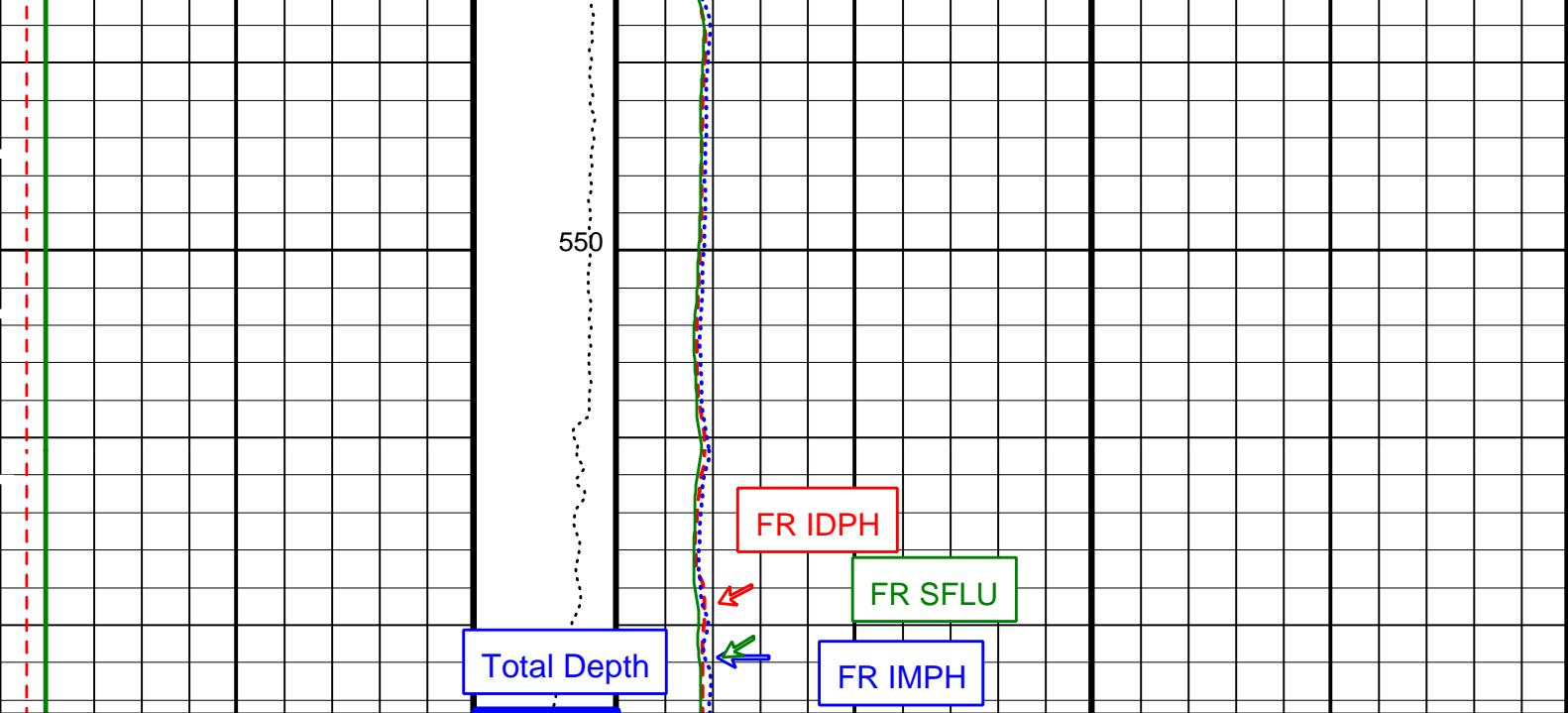


450

475







HLDS Caliper (LCAL) (IN)	Tension (TENS) (LBF)	Deep Induction Phasor-processed Resistivity (IDPH) (OHMM)
0 20	10000 0	0 10
HNGS Spectroscopy Gamma Ray (HSGR) (GAPI)	ID_QUAL From IMQF to IDQF	Medium Induction Phasor-processed Resistivity (IMPH) (OHMM)
0 100		0 10
	IM_QUAL From SFQF to IMQF	SFL Averaged (SFLA) (OHMM)
		0 10
	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 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	-0.00191565	
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	1.00913e-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	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	0.000117223	
SFCR	SFL Channel Ratio	1000	
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
SHT	Surface Hole Temperature	20	DEGC
TD	Total Depth	987	M
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.03844	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.986994	

Format: DITE_LinPhasor Vertical Scale: 1:200 Graphics File Created: 10-Feb-2001 22:39

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 .003	FN:3	PRODUCER	10-Feb-2001 22:39
TCOMBO_CUST	DITE .003	FN:4	PRODUCER	10-Feb-2001 22:39

Calibration and Check Summary

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: 11-FEB-2001 0:06							
SS Total Countrate Bkg	1645	1419	1424	1413	-11.31	80.00	CPS
SS HV Measured Bkg	1100	1065	1064	1067	2.881	80.00	V
SS Cs Centroid Bkg	661.0	661.3	661.4	661.3	-0.1157	1.500	KEV
SS Cs Resolution Bkg	9.000	8.550	8.493	8.592	0.09907	1.800	%
LS Total Countrate Bkg	1645	1450	1444	1441	-2.866	80.00	CPS
LS HV Measured Bkg	1100	1183	1185	1184	-0.9425	80.00	V
LS Cs Centroid Bkg	661.0	661.2	661.2	661.3	0.06281	1.500	KEV
LS Cs Resolution Bkg	9.000	8.791	8.735	8.786	0.05187	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: 11-FEB-2001 0:08

Near Det Bkg Cntrate	30.00	31.57	32.15	32.27	0.1158	N/A	CPS
Far Det Bkg Cntrate	30.00	32.42	33.39	35.76	2.372	N/A	CPS
Array-1 Det Bkg Cntrate	30.00	28.31	28.68	28.36	-0.3184	N/A	CPS
Array-2 Det Bkg Cntrate	30.00	30.16	30.43	30.17	-0.2592	N/A	CPS
Array Therm Det Bkg Cntrate	30.00	32.80	32.25	31.56	-0.6871	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: 11-FEB-2001 0:07

Na 511 Peak Loc	40.00	40.50	40.70	40.52	-0.1806	1.000	
Na 511 Peak Res	15.50	15.85	16.61	16.47	-0.1417	2.000	%
High Voltage	1150	1098	1107	1107	0.6610	30.00	V
Na 1785 Peak Loc	142.6	146.2	146.5	145.3	-1.208	7.000	
Na 1785 Peak Res	8.500	9.591	9.938	11.21	1.276	2.000	%
Temperature	15.50	30.64	32.47	29.15	-3.315	N/A	DEGC
Na Count Rate	45.00	22.42	22.33	21.86	-0.4696	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: 11-FEB-2001 0:07

Na 511 Peak Loc	40.00	40.56	40.54	40.65	0.1072	1.000	
Na 511 Peak Res	15.50	14.93	15.50	15.03	-0.4651	2.000	%
High Voltage	1150	1186	1195	1196	0.8737	30.00	V
Na 1785 Peak Loc	142.6	145.0	143.8	146.1	2.279	7.000	
Na 1785 Peak Res	8.500	7.793	9.552	8.276	-1.276	2.000	%
Temperature	15.50	29.74	31.41	28.66	-2.750	N/A	DEGC
Na Count Rate	45.00	22.62	22.43	22.05	-0.3755	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: 11-FEB-2001 0:07

Coincidence Count Rate Ratio	1.000	0.9911	0.9979	0.9899	-0.008010	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	174
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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)				0.8040 (Minimum)			-0.1483 (Minimum)		
	45.73 (Nominal)				0.9540 (Nominal)			9.852 (Nominal)		
	345.7 (Maximum)				1.135 (Maximum)			19.85 (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			22.65	Before		0.9307	Before			8.908
	-277.9 (Minimum)				0.7954 (Minimum)			-0.4531 (Minimum)		
	22.08 (Nominal)				0.9454 (Nominal)			9.547 (Nominal)		
	322.1 (Maximum)				1.123 (Maximum)			19.55 (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)				0.7931 (Minimum)					
	53.46 (Nominal)				0.9431 (Nominal)					
	603.5 (Maximum)				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)		-10.47 (Minimum)	4.529 (Nominal)	19.53 (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)		-10.12 (Minimum)	4.875 (Nominal)	19.88 (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)		-4.840 (Minimum)	15.16 (Nominal)	35.16 (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)		-5.048 (Minimum)	14.95 (Nominal)	34.95 (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			0.05131	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: 3: 562.4 - 320.3											
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	After			0.0007408	
	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
	0 (Minimum)			0 (Nominal)	
	0.7500 (Maximum)			2.000 (Maximum)	
Phase	SFL (R > 27 OHM-M) MM/M	Value	Phase	SFL (R < 27 OHM-M) %	Value
After		0	After		0
	0 (Minimum)			0 (Nominal)	
	0.7500 (Maximum)			2.000 (Maximum)	

After: 10-FEB-2001 23:44

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		1413	After		1067	After		16630
	1000 (Minimum)			800.0 (Minimum)			14100 (Minimum)	
	1645 (Nominal)			1100 (Nominal)			16000 (Nominal)	
	2290 (Maximum)			1400 (Maximum)			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		8.592	After		1441
	656.0 (Minimum)			7.000 (Minimum)			1000 (Minimum)	
	661.0 (Nominal)			9.000 (Nominal)			1645 (Nominal)	
	666.0 (Maximum)			11.00 (Maximum)			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		1184	After		18260	After		661.3
	800.0 (Minimum)			14100 (Minimum)			656.0 (Minimum)	
	1100 (Nominal)			16000 (Nominal)			661.0 (Nominal)	
	1400 (Maximum)			20000 (Maximum)			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		8.786	After		86.02	After		79.51
	7.000 (Minimum)			55.00 (Minimum)			50.00 (Minimum)	
	9.000 (Nominal)			100.0 (Nominal)			100.0 (Nominal)	
	11.00 (Maximum)			150.0 (Maximum)			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		176.5	Before		216.0	Before		496.4
After		178.3	After		214.0	After		492.8
	110.0 (Minimum)			140.0 (Minimum)			330.0 (Minimum)	
	200.0 (Nominal)			250.0 (Nominal)			600.0 (Nominal)	
	290.0 (Maximum)			360.0 (Maximum)			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		86.33	After		153.3	After		412.9
	55.00 (Minimum)			100.0 (Minimum)			280.0 (Minimum)	
	100.0 (Nominal)			200.0 (Nominal)			500.0 (Nominal)	
	150.0 (Maximum)			260.0 (Maximum)			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		218.8	After		158.9	
	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: 11-FEB-2001 0:06		

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	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		32.27	After		35.76	After		28.36	
	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		30.17	After		31.56				
	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: 11-FEB-2001 0:08					

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		40.52	After		16.47	After		1107
	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		145.3	After		11.21	After		29.15
	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		21.86						
	15.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							
Master: 4-JAN-2001 11:08			Before: 11-JAN-2001 4:17			After: 11-FEB-2001 0:07		

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		40.65	After		15.03	After		1196
	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		146.1	After		8.276	After		28.66
	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		22.05						
	15.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							
Master: 4-JAN-2001 11:08			Before: 11-JAN-2001 4:17			After: 11-FEB-2001 0:07		

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		0.9899
	0.9500 (Minimum) 1.000 (Nominal) 1.050 (Maximum)	
Master: 4-JAN-2001 11:08		
Before: 11-JAN-2001 4:17		
After: 11-FEB-2001 0:07		

COMPANY: Lamont Doherty

WELL: ODP Leg 194, Site 1198B

FIELD: Marion Plateau

Country: Australia

Ocean: Pacific Ocean

BOTTOM LOG INTERVAL	560 m
SCHLUMBERGER DEPTH	562.5 m
DEPTH DRILLER	853.1 m
KELLY BUSHING	11.3 m
DRILL FLOOR	11 m
GROUND LEVEL	-330.5 m

Schlumberger

Phasor Induction-Natural Gamma Ray