COMPANY: Lamont Doherty

WELL: ODP Leg 193, Site 1189B (PCM-3A)

FIELD: Manus Basin, Roman Ruins

COUNTY: Offshore STATE: Bismarck Sea

COUNTY: Offshore
Field: Manus Basin, Roman Ruins
Location:
Well: ODP Leg 193, Site 1189B (PCM-
Company: Lamont Doherty

Schlumberger

Phasor Induction
Gamma Ray

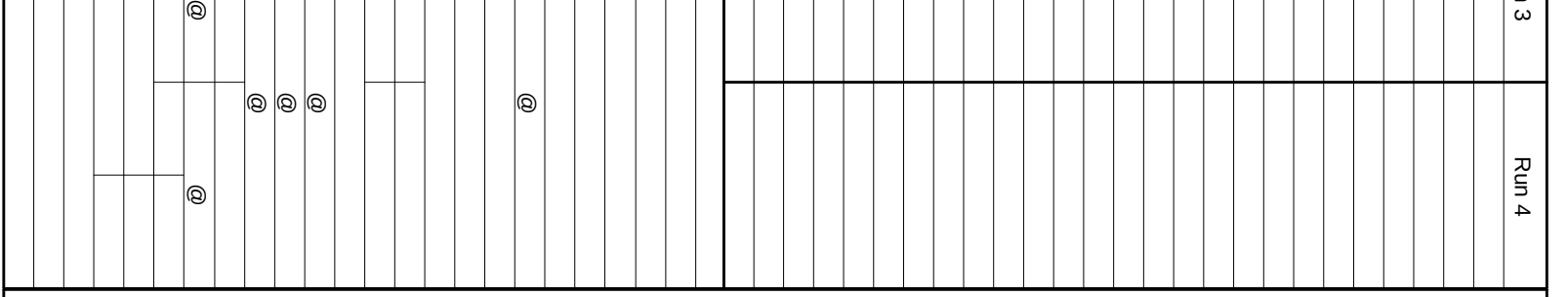
LOCATION

Elev.: K.B. 11.3 m
G.L. -1693 m
D.F. 11 m

Permanent Datum: MSL Elev.: 0 m
Log Measured From: Drill Floor 11.0 m above Perm. Datum
Drilling Measured From: Drill Floor

API Serial No.	LATITUDE: 03* 43.2361' S	LONGITUDE: 151* 40.5081' E	RIG: JOIDES Resolution

			Run 1	Run 2	Run
Logging Date	25-DEC-2000				
Run Number	1				
Depth Driller	1899 m				
Schlumberger Depth	1888 m				
Bottom Log Interval	1848 m				
Top Log Interval	1695 m				
Casing Driller Size @ Depth	0.000 in @ 1724 m	@		@	
Casing Schlumberger	1727 m				
Bit Size	7.250 in				
Type Fluid In Hole	Seawater				
MUD Density / Viscosity	1.1 g/cm3				
MUD Fluid Loss / PH					
MUD Source Of Sample	Seawater				
RM @ Measured Temperature	0.180 ohm.m @ 30 degC	@		@	
RMF @ Measured Temperature	0.235 ohm.m @	@		@	
RMC @ Measured Temperature	@	@		@	
Source RMF / RMC					
RM @ MRT / RMF @ MRT	0.101 @ 70	@ 70 @	@	@	
Maximum Recorded Temperatures	70 degC				
Circulation Stopped / Time	20-Dec-2000	22:00			
Logger On Bottom / Time	26-DEC-2000	7:00			
Unit Number / Location	99	Houston ODP			
Recorded By	Kerry M. Swain				
Witnessed By	Gerardo Iturrino, Anne Bartetzko				



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OTHER SERVICES1	OTHER SERVICES2
OS1: FMS/DSI	OS1:
OS2: TEMP	OS2:
OS3: APS/HLDS	OS3:
OS4:	OS4:
OS5:	OS5:

REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
HGTC (HighTemp/High Pressure Gamma Ray Telemetry Cartridge) used for Temperature	
with LEH-QO head and MTEM sensor.	
Log presented in meters below rig floor. Sea floor at 1692 mbrf.	
Wireline heave compensator used on all descents.	
Sea water used as mud in hole.	
Log TD at 1888 mbrf on first descent, 1850 on other descents there after.	
Maximum temperature recorded from DITE ITEM.	
Toolstring-DITE/DTA/HLDS/NPLC/APS/ILED/HNGS/HGTC/LEHQO	
Original log files are log12.dlis and log18.dlis, they are replaced with	
play84.dlis and play 86.dlis. Reprocessing was done for the HNGS to	
compensate for the correct mud density of 1.1 g/cc.	
SFL curve of the DITE spikes due to electronic problems.	
SP curve drifts and is affected by rig electrical devices and poor grounding.	
DITE Calibrations found on HLDS/APS Porosity Log.	

RUN 1		RUN 2	
SERVICE ORDER #:		SERVICE ORDER #:	
PROGRAM VERSION:	9C1-303	PROGRAM VERSION:	
FLUID LEVEL:	0 m	FLUID LEVEL:	

LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1 RUN 2

SURFACE EQUIPMENT

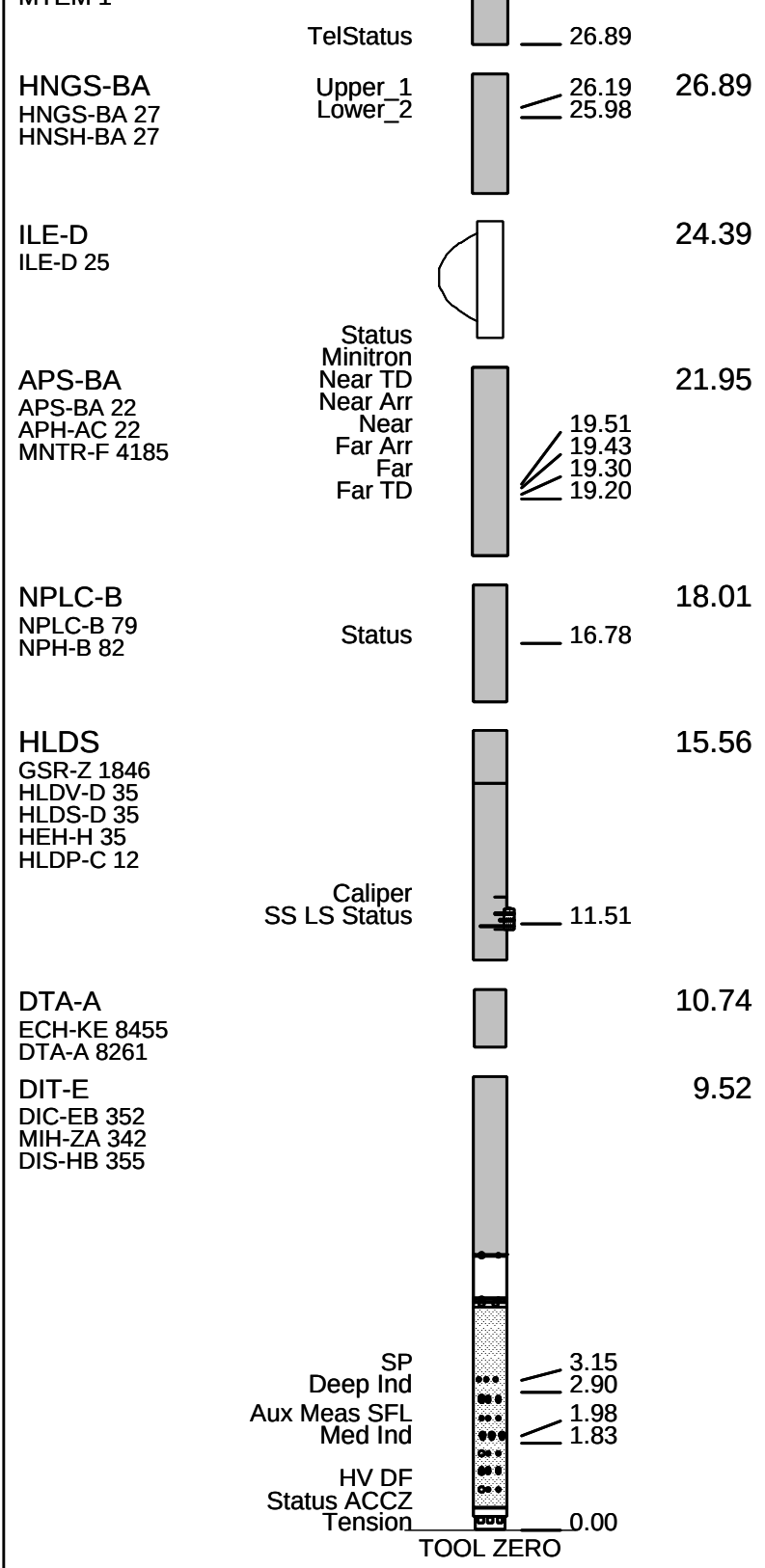
SFT-281 24
SFT-178 4722
GSR-U 135
WITM (DTS)-A

DOWNHOLE EQUIPMENT

LEH-MT 31.10
LEH-MT 1

Mud Tempe ___ 30.14

HTGC-B 30.14
UDFH-KL 1062 Gamma Ray ___ 29.11
STGC0-A 8038
STGC1-BH 8038 CTEM ___ 28.24
MTEM 1



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

Input DLIS Files

DEFAULT	DITE .043	FN:70	PRODUCER	27-Dec-2000 17:34	1851.7 M	1669.2 M

Output DLIS Files

DEFAULT	DITE .084	FN:130	PRODUCER	31-Dec-2000 16:15	1851.7 M	1669.5 M
LAMONT	DITE .084	FN:131	PRODUCER	31-Dec-2000 16:15	1851.7 M	1669.3 M

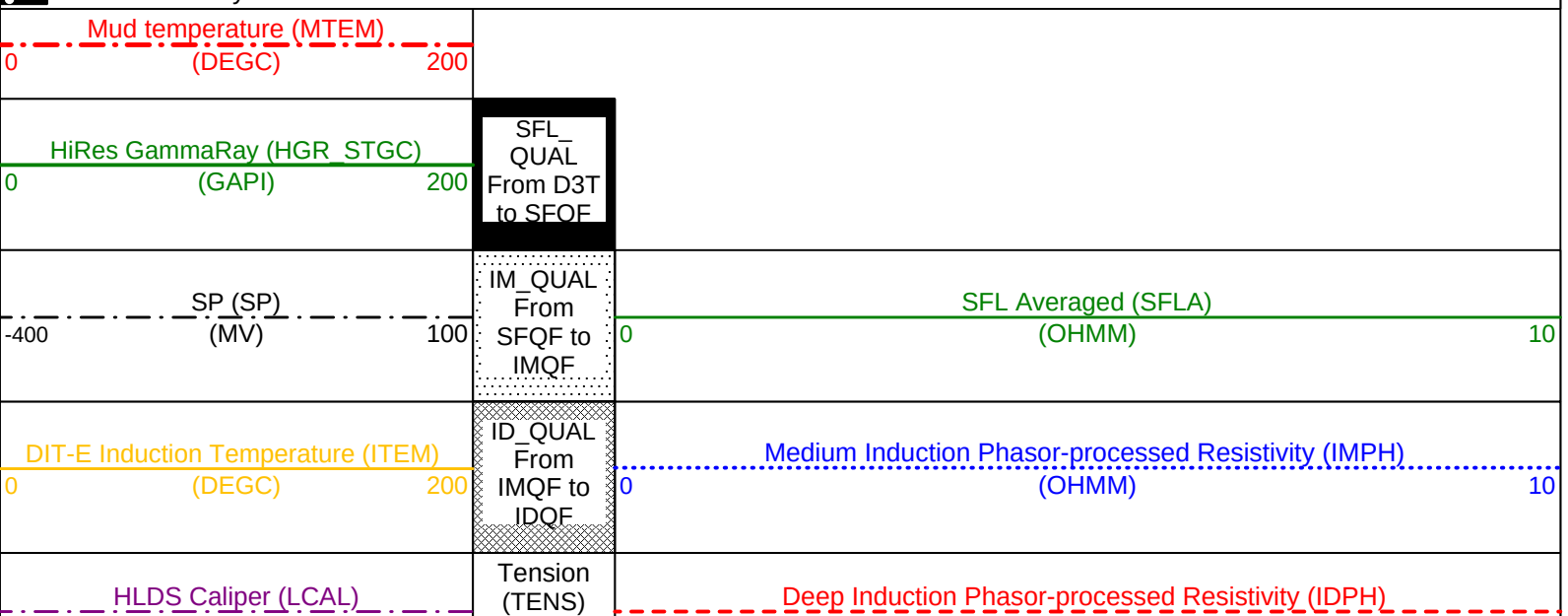
OP System Version: 9C1-303

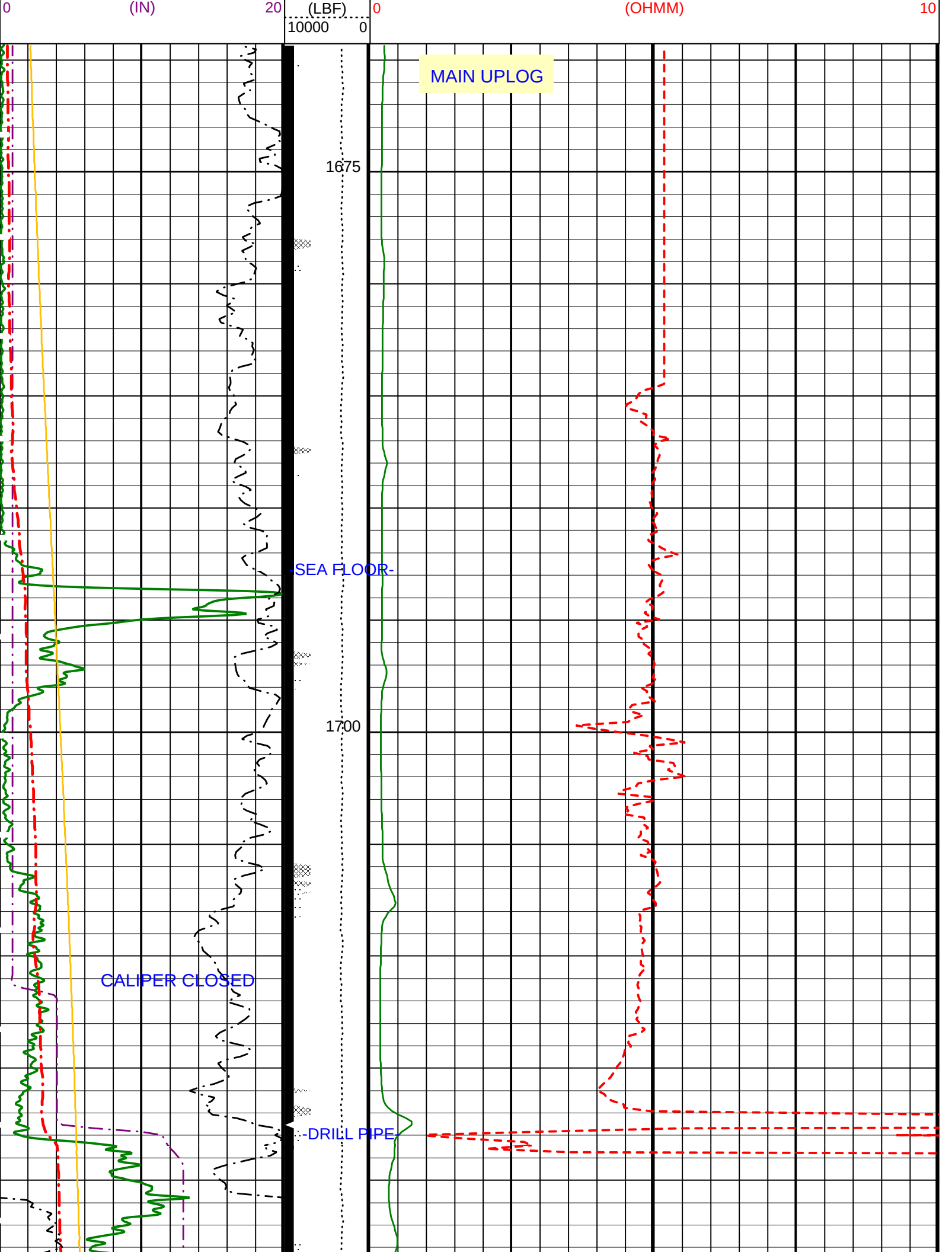
MCM

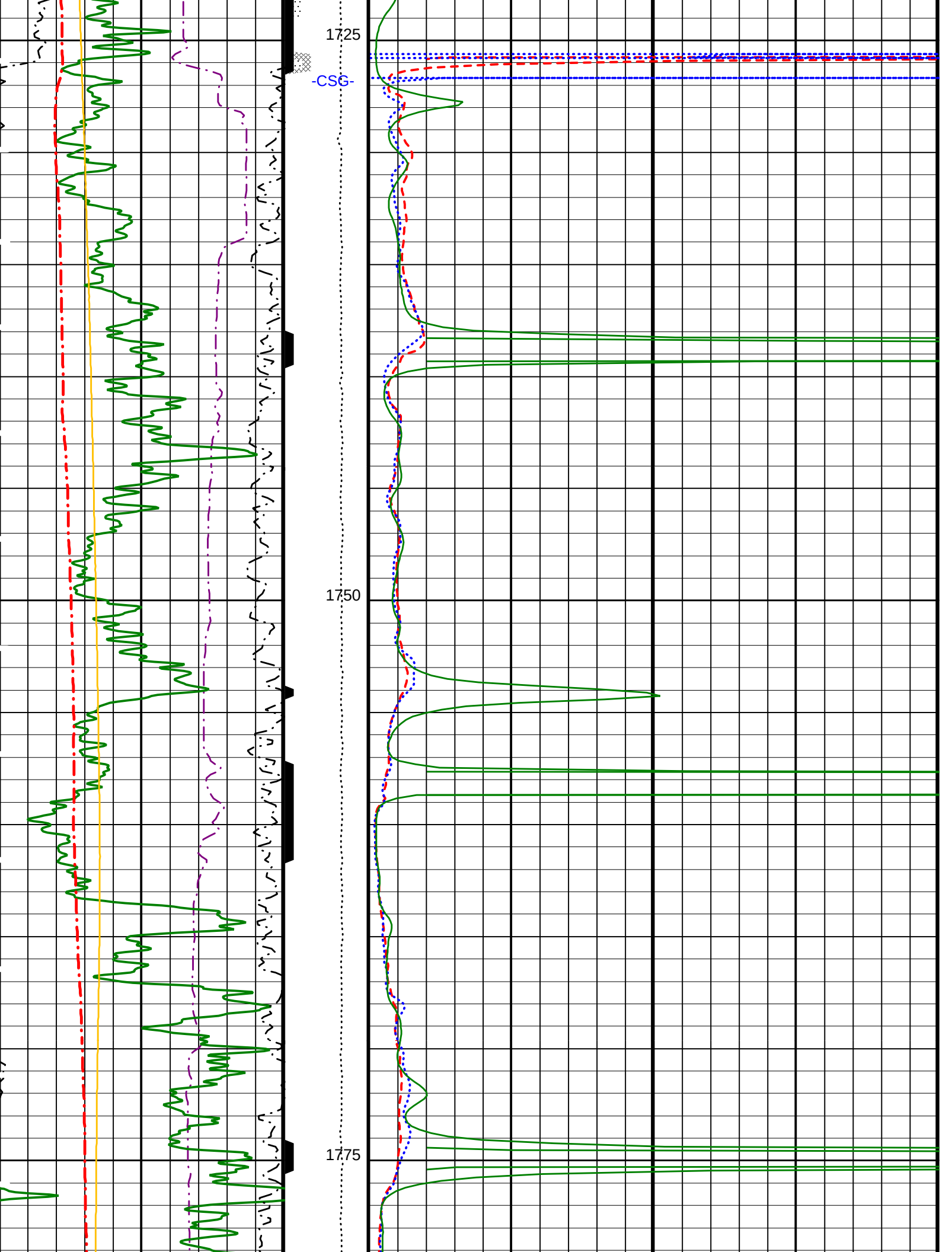
DIT-E	OP91-kp2	DTA-A	OP91-kp2
HLDS	OP91-kp2	NPLC-B	OP91-kp2
APS-BA	OP91-kp2	HNGS-BA	OP91-kp2
HTGC-B	OP91-kp2		

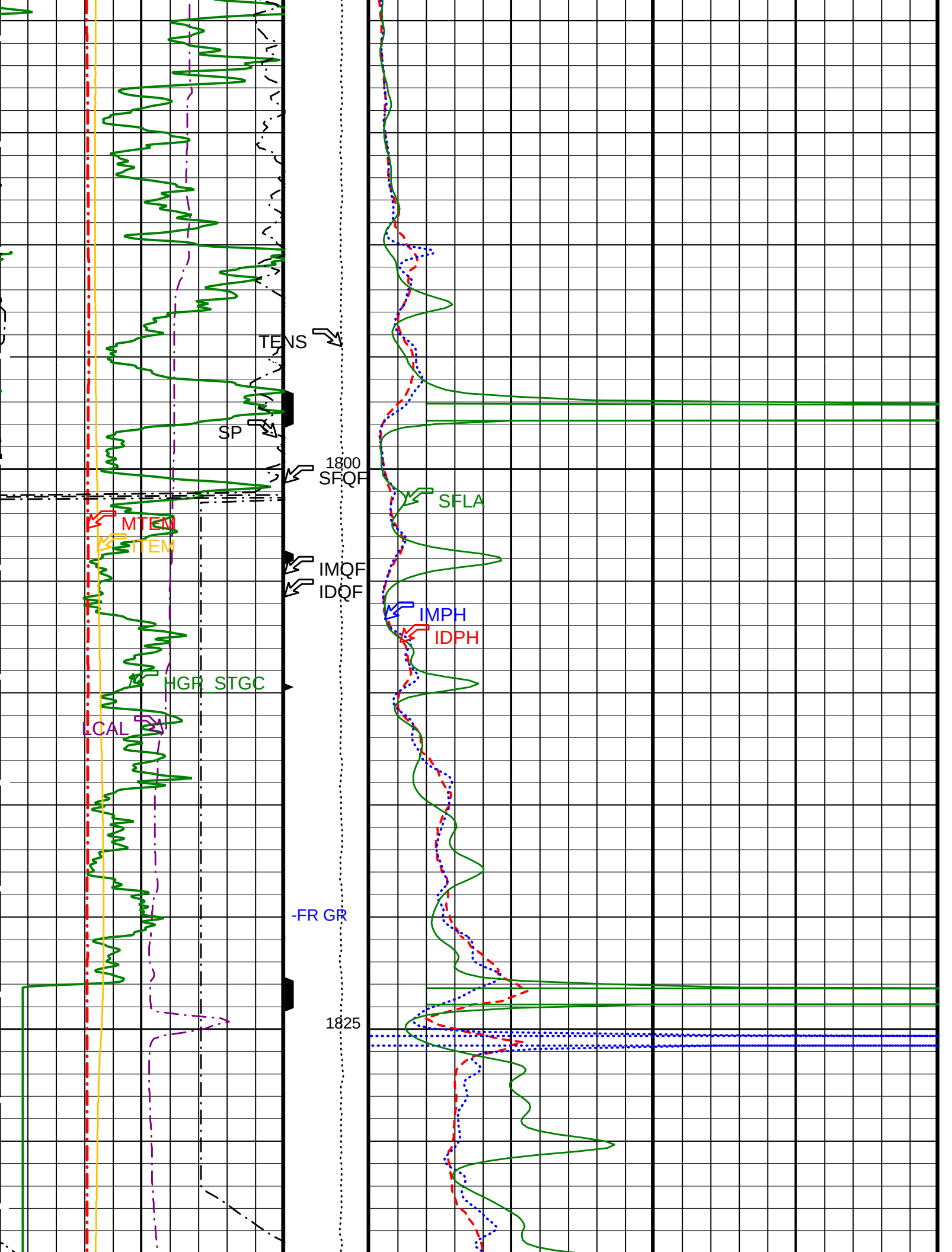
PIP SUMMARY

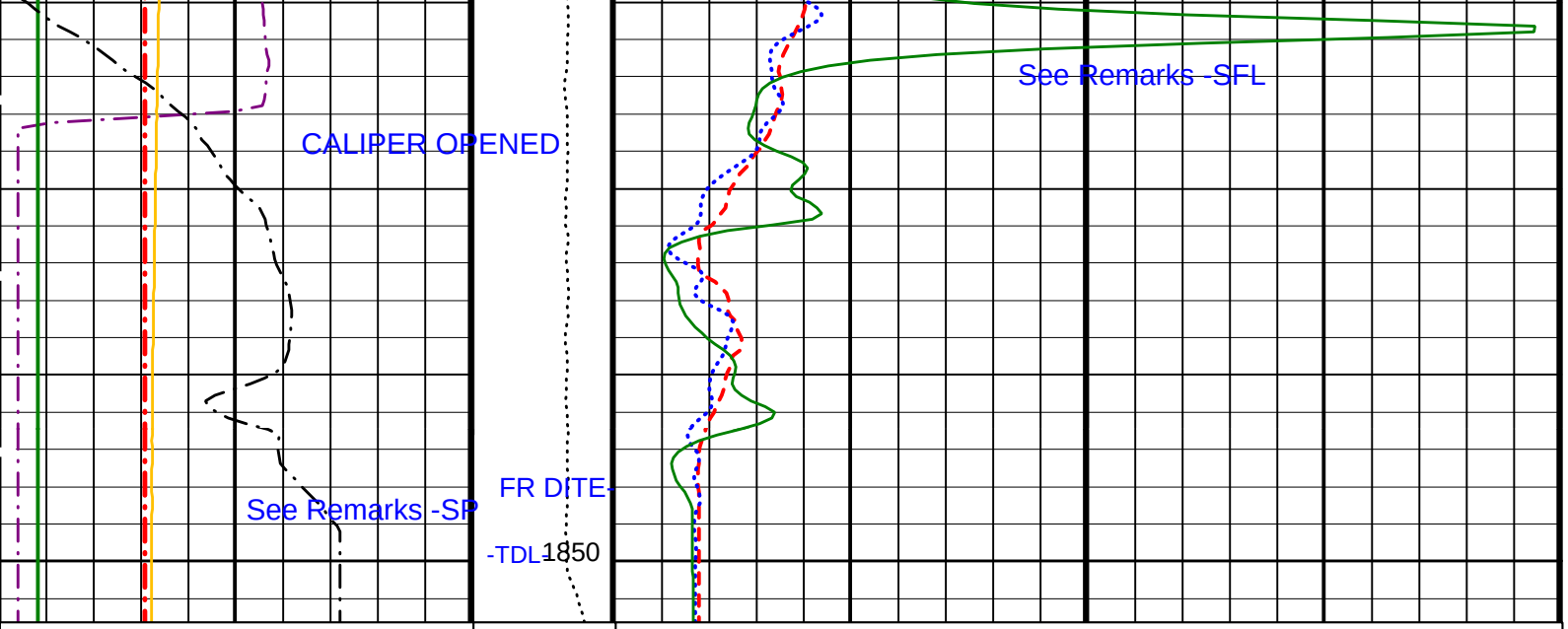
Time Mark Every 60 S




0
(IN)
20
(LBF)
10000
0
0
(OHMM)
10
MAIN UPLOG
1675
-SEA FLOOR-
1700
CALIPER CLOSED
-DRILL PIPE-


1725
-CSG-
1750
1775


TENS
SP
1800
SFQF
SFLA
MTEM
TTEM
IMQF
IDQF
IMPH
IDPH
HGR STGC
LCAL
-FR GR
1825



HLDS Caliper (LCAL)
0 (IN) 20

Tension (TENS) (LBF)
10000 0

Deep Induction Phasor-processed Resistivity (IDPH)
0 (OHMM) 10

DIT-E Induction Temperature (ITEM)
0 (DEGC) 200

ID_QUAL From IMQF to IDQF

Medium Induction Phasor-processed Resistivity (IMPH)
0 (OHMM) 10

SP (SP)
-400 (MV) 100

IM_QUAL From SFQF to IMQF

SFL Averaged (SFLA)
0 (OHMM) 10

HiRes GammaRay (HGR_STGC)
0 (GAPI) 200

SFL_ QUAL From D3T to SFQF

MAIN UPLOG

Mud temperature (MTEM)
0 (DEGC) 200

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	APS Cement Thickness Source	COMPUTED	
	Apparent Thickness of Cement	0	IN
	APS Software Version	5	
	HLDS Data Control	AcquiredData	
	HLDS SS NCB Mode	Density	
	HLDS Spec Message Rate	1	
	HLDS Diag Message Rate	20	
	HLDS SS Digital Integrator State	Normal	
	HLDS LS NCB Mode	Density	
	HLDS LS Tri-Ported Memory State	Enable	
	HLDS SS Tri-Ported Memory State	Enable	
	HLDS LS Digital Integrator State	Normal	
AASD	APS Thermal and Array Detectors High Voltage Setting	1968.98	V
ABOS	APS Neutron Burst-Off Background Subtraction Switch	ON	
ADSO	APS Array Detectors Data Source Switch	Both	
AFSD	APS Far Detector High Voltage Setting	2052.03	V
AHCS	APS Holesize Correction Source	GCSE	
AHSS	APS Holesize Correction Switch	ON	
ALTDPCHAN	Name of alternate depth channel	SpeedCorrectedDepth	
AMTY	APS Environmental Corrections Mud Type	WaterBaseBarite	
ANSD	APS Near Detector High Voltage Setting	1748.3	V
AOTS	APS Old Temperature Sensor Switch	NO	
ASOS	APS Standoff Correction Switch	ON	

ATSS	APS Temperature-Pressure-Salinity Correction Switch	OFF	
BAR1	HNGS Detector 1 Barite Constant	1	
BAR2	HNGS Detector 2 Barite Constant	1	
BHFL	Borehole Fluid Type	WATER	
BHK	HNGS Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	212	DEGF
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
BSAL	Borehole Salinity	-50000.00	PPM
BSCO	Borehole Salinity Correction Option	NO	
CCCO	Casing & Cement Thickness Correction Option	NO	
CLCL	HLDS LS Control Loop Controller Mode	AUTO_DEFAULT	
CLCS	HLDS SS Control Loop Controller Mode	AUTO_DEFAULT	
CLLS	HLDS Mode Loop Long Spacing	AUTO	
CLSS	HLDS Mode Loop Short Spacing	AUTO	
CONTYP	Conveyance Type	Wireline	
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSIZ	Current Casing Size	0.000	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
CWEI	Casing Weight	0.00	LB/F
D1PR	HNGS Detector 1 Calibration Thorium Peak Resolution	7.69015	%
D1TC	HNGS Detector 1 Calibration Temperature	83.0462	DEGF
D1TL	HNGS Detector 1 Calibration Thorium Peak Location	209.757	
D2PR	HNGS Detector 2 Calibration Thorium Peak Resolution	7.03497	%
D2TC	HNGS Detector 2 Calibration Temperature	81.4405	DEGF
D2TL	HNGS Detector 2 Calibration Thorium Peak Location	209.443	
DBCC	HNGS Barite Constant Correction Flag	NONE	
DEPREM1	Depth Remark 1		
DEPREM2	Depth Remark 2		
DEPREM3	Depth Remark 3		
DEPREM4	Depth Remark 4		
DEPREM5	Depth Remark 5		
DEPREM6	Depth Remark 6		
DFD	Drilling Fluid Density	9.17	LB/G
DGF1	Deep 10 kHz Gain Factor	1.01032	
DGF2	Deep 20 kHz Gain Factor	1.0235	
DGF4	Deep 40 kHz Gain Factor	1.04448	
DHC	Density Hole Correction	BS	
DO	Depth Offset for Logical Unit 1	0.0	M
DPH1	Deep 10 kHz Phase Shift	0.0509876	DEG
DPH2	Deep 20 kHz Phase Shift	-0.230754	DEG
DPH4	Deep 40 kHz Phase Shift	-1.48361	DEG
DPPM	Density Porosity Processing Mode	HIRS	
DRE1	Deep Real 10 kHz Sonde Error Correction	38.8566	MM/M
DRE2	Deep Real 20 kHz Sonde Error Correction	18.3624	MM/M
DRE4	Deep Real 40 kHz Sonde Error Correction	7.2011	MM/M
DRIM	DIT-E Radial Invasion Mode	Rxo>Rt	
DSR1	Deep Sigma Reference (10 kHz)	7637	MM/M
DSR2	Deep Sigma Reference (20 kHz)	1843	MM/M
DSR4	Deep Sigma Reference (40 kHz)	405	MM/M
DSTA	DIT-E Transversal Standoff	0	IN
DXE1	Deep Quad 10 kHz Sonde Error Correction	-112.164	MM/M
DXE2	Deep Quad 20 kHz Sonde Error Correction	-42.2018	MM/M
DXE4	Deep Quad 40 kHz Sonde Error Correction	-2.65141	MM/M
FD	Fluid Density	1	G/C3
FSAL	Formation Salinity	32000	PPM
FSCO	Formation Salinity Correction Option	NO	
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	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
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	0.00209471	
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	
HSCO	Hole Size Correction Option	YES	
HSLV	HNGS Borehole Fluid Excluder Sleeve Status	NO	
HSVN	HNGS Spectral Standards Version Number	4.02002e-036	
IDWCD	IDW Calibration Date (dd-MMM-yyyy)	dd-MMM-yyyy	
IDWCSN	IDW Calibrator Serial Number	-999	
IDWLCN	IDW Calibration Cable Type	7-46P	
IDWSN	IDW Serial Number	-999	
IDWTYP	IDW Type	IDW-B	

IDWTYP	IDW Type	IDW-B	
IDWWC1	IDW Wheel Corrrection 1	1	
IDWWC2	IDW Wheel Corrrection 2	1	
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	
LATC	HLDS Activation Correction	ON	
LCSN	Logging Cable Serial Number	-999	
LLDL	HLDS LS Low Level Discriminator DAC	14000	
LLDS	HLDS SS Low Level Discriminator DAC	14000	
LLML	HLDS LS Low Level Discriminator Mode	AUTO	
LLMS	HLDS SS Low Level Discriminator Mode	AUTO	
LOGSEQ	Log Sequence	First_Log_In_Well	
MARQ_START	HNGS Marquardt Start-up Mode	INTERNAL	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
MCCO	Mud Cake Correction Option	NO	
MCOR	Mud Correction	NATU	
MDEN	Matrix Density	2.71	G/C3
MGF1	Medium 10 kHz Gain Factor	1.01651	
MGF2	Medium 20 kHz Gain Factor	1.02156	
MGF4	Medium 40 kHz Gain Factor	1.04229	
MPH1	Medium 10 kHz Phase Shift	-0.376713	DEG
MPH2	Medium 20 kHz Phase Shift	-1.08578	DEG
MPH4	Medium 40 kHz Phase Shift	-2.61029	DEG
MRE1	Medium Real 10 kHz Sonde Error Correction	43.3452	MM/M
MRE2	Medium Real 20 kHz Sonde Error Correction	8.9436	MM/M
MRE4	Medium Real 40 kHz Sonde Error Correction	-1.86438	MM/M
MSR1	Medium Sigma Reference (10 kHz)	13520	MM/M
MSR2	Medium Sigma Reference (20 kHz)	3250	MM/M
MSR4	Medium Sigma Reference (40 kHz)	685	MM/M
MST	Mud Sample Temperature	30.00	DEGF
MWCO	Mud Weight Correction Option	NO	
MXE1	Medium Quad 10 kHz Sonde Error Correction	-125.166	MM/M
MXE2	Medium Quad 20 kHz Sonde Error Correction	-46.3369	MM/M
MXE4	Medium Quad 40 kHz Sonde Error Correction	3.12311	MM/M
NARC	APS Near/Array Calibration Ratio	1.05998	
NFRC	APS Near/Far Calibration Ratio	0.896302	
NOTS	NPLC Old Temperature Sensor	NO	
NRBM	NPLC Reduced Telemetry Bandwidth Mode	OFF	
PBVSADP	Use alternate depth channel for playback	NO	
PHVL	HLDS Long Spacing High Voltage Setting	1000	V
PHVS	HLDS Short Spacing High Voltage Setting	1000	V
PP	Playback Processing	RECOMPUTE	
PSDL	HLDS LS Pulse Shape Compensation DAC	16000	
PSDS	HLDS SS Pulse Shape Compensation DAC	16000	
PSML	HLDS LS Pulse Shape Compensation Mode	AUTO	
PSMS	HLDS SS Pulse Shape Compensation Mode	AUTO	
PTCO	Pressure/Temperature Correction Option	NO	
RDF1_START	HNGS Detector 1 RDF Constant	0	
RDF2_START	HNGS Detector 2 RDF Constant	0	
RIGTYP	Rig Type	Offshore_Floater_with_WMC	
RLDT	Reference Log Date (dd-MMM-yyyy)	dd-MMM-yyyy	
RLNM	Reference Log Name		
RLRN	Reference Log Run Number		
RMFS	Resistivity of Mud Filtrate Sample	-50000.0000	OHMM
RULB	Rig Up Length at Bottom	0	FT
RULS	Rig Up Length at Surface	0	FT
RW	Resistivity of Connate Water	1.0000	OHMM
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S1NA	HNGS Detector 1 Calibration Sodium Count Rate	24.2212	CPS
S1NG	HNGS Detector 1 Calibration End-On / Side-On Gain Ratio	0.984113	
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
S2NA	HNGS Detector 2 Calibration Sodium Count Rate	24.6034	CPS
S2NG	HNGS Detector 2 Calibration End-On / Side-On Gain Ratio	0.982439	
SABK	HNGS Statistical Uncertainty in Borehole Potassium Running Average	0.000892373	
SBR	Shoulder Bed Resistivity Factor	1	OHMM
SCORR	Stretch Correction	-50000	FT
SDAT	Standoff Data Source	SOCN	
SFCR	SFL Channel Ratio	1000	
SFLE	SFL Enable	ENABLE	
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
SHT	Surface Hole Temperature	68.0001	DEGF
SOCN	Standoff Distance	0	IN
SOCO	Standoff Correction Option	NO	
SPAE	DIT-E SPARC Processing Enable	ENABLE	
SPNV	SP Next Value	0	MV
STDLC	Subsequent Trip Down Log Correction	-50000	FT
TD	Total Depth	32768	FT
TDD	Total Depth - Driller	-50000.00	FT
TDL	Total Depth - Logger	-50000.00	FT
TNDCD	Tension Device Calibration Date (dd-MMM-yyyy)	dd-MMM-yyyy	
TNDCSN	Tension Device Calibrator Serial Number	-999	
TNDGN	Tension Device GAIN	1	

TNDOFF	Tension Device Offset	0	
TNDSN	Tension Device Serial Number	-999	
TNDTYP	Tension Device	CMTD-B/A	
TPOS	Tool Position	ECCE	
TPOS_STGC	Tool Centered/Eccentered	Eccentered	
TWS	Temperature of Connate Water Sample	100.00	DEGF
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.978232	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.968875	
ZRCS	Tool Zero Reference Check at Surface	-50000	FT

Format: DITE_LinPhasor Vertical Scale: 1:200 Graphics File Created: 31-Dec-2000 16:15

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
HTGC-B	OP91-kp2		

Input DLIS Files

DEFAULT	DITE .043	FN:70	PRODUCER	27-Dec-2000 17:34	1851.7 M	1669.2 M

Output DLIS Files

DEFAULT	DITE .084	FN:130	PRODUCER	31-Dec-2000 16:15		
LAMONT	DITE .084	FN:131	PRODUCER	31-Dec-2000 16:15		

Input DLIS Files

DEFAULT	DITE .049	FN:82	PRODUCER	27-Dec-2000 17:59	1849.4 M	1743.5 M

Output DLIS Files

DEFAULT	DITE .086	FN:134	PRODUCER	31-Dec-2000 16:19	1849.4 M	1743.5 M
LAMONT	DITE .086	FN:135	PRODUCER	31-Dec-2000 16:19	1849.4 M	1743.5 M

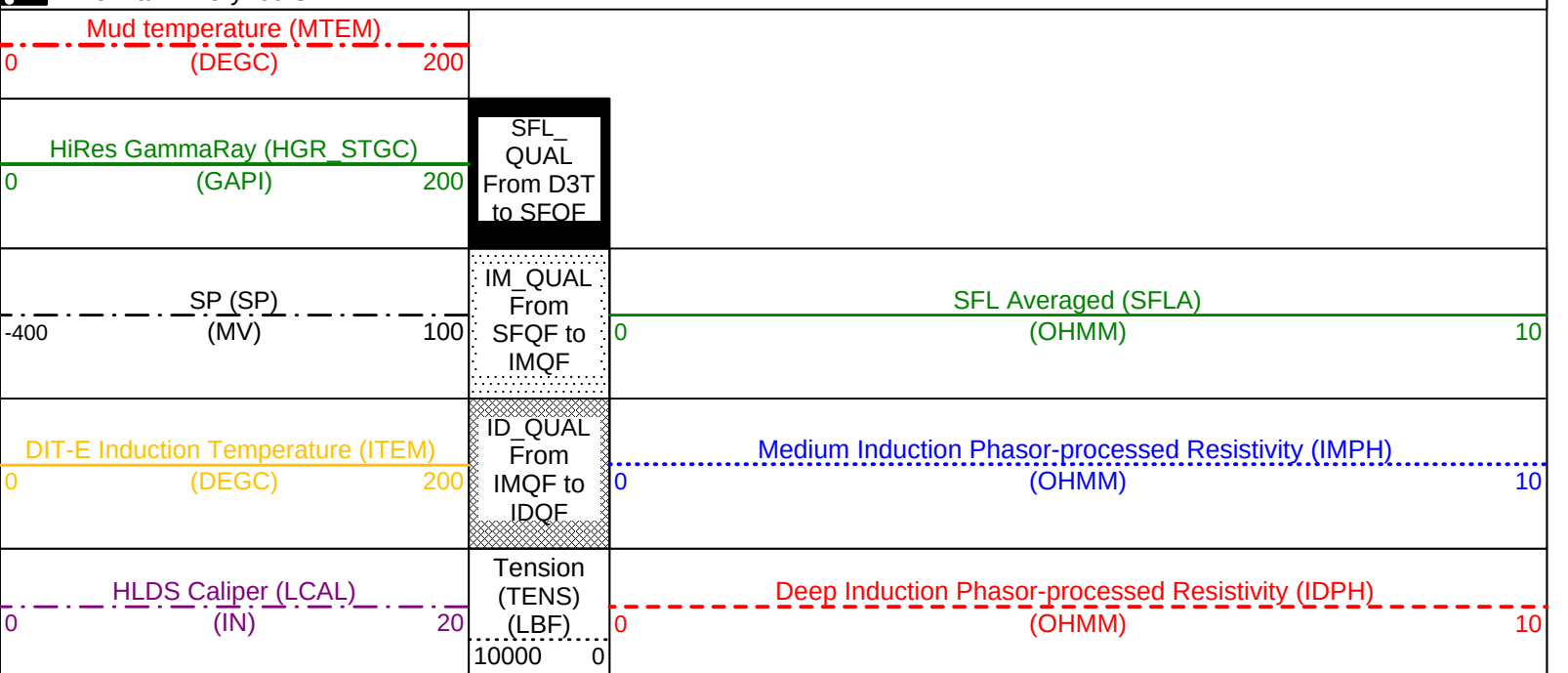
OP System Version: 9C1-303

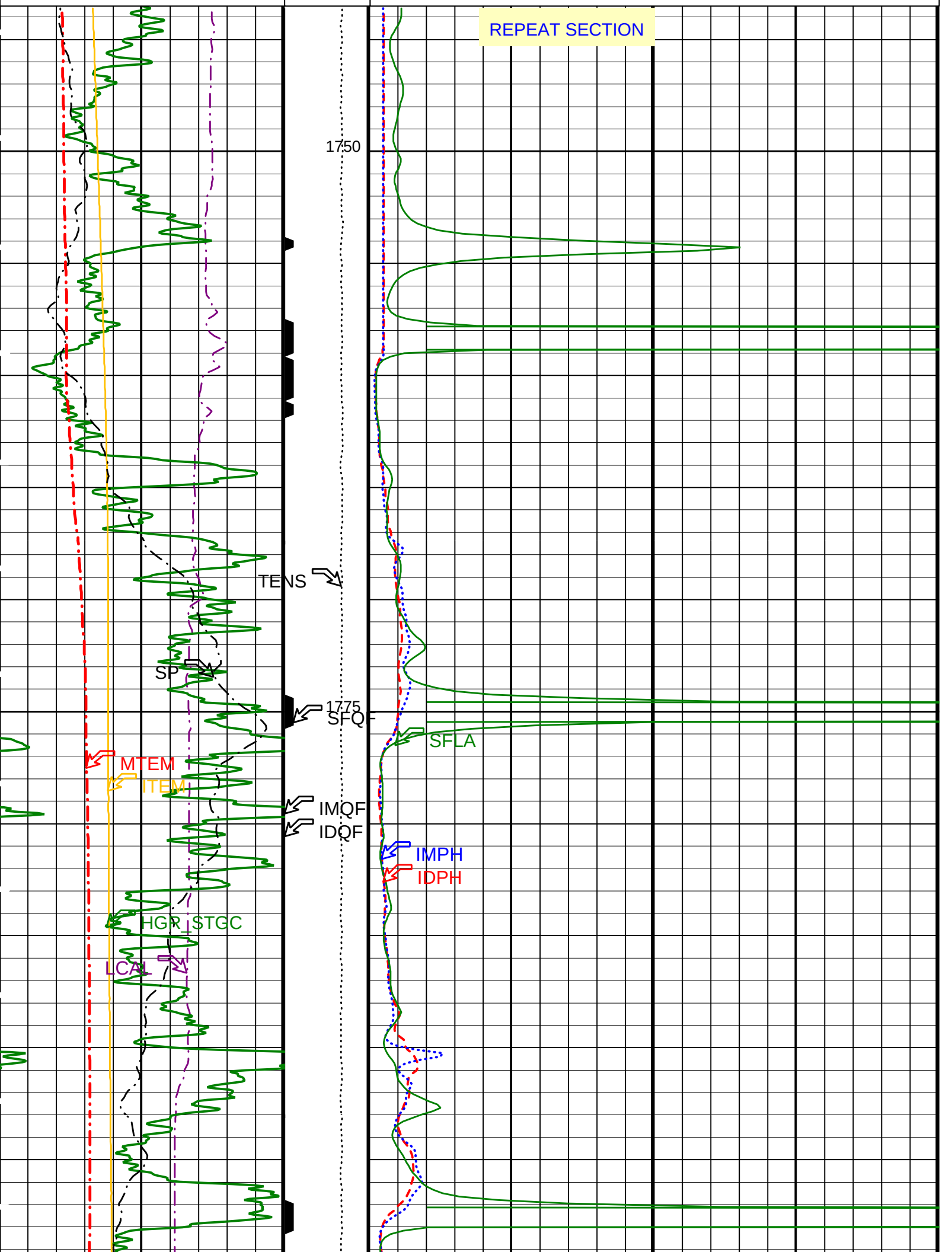
MCM

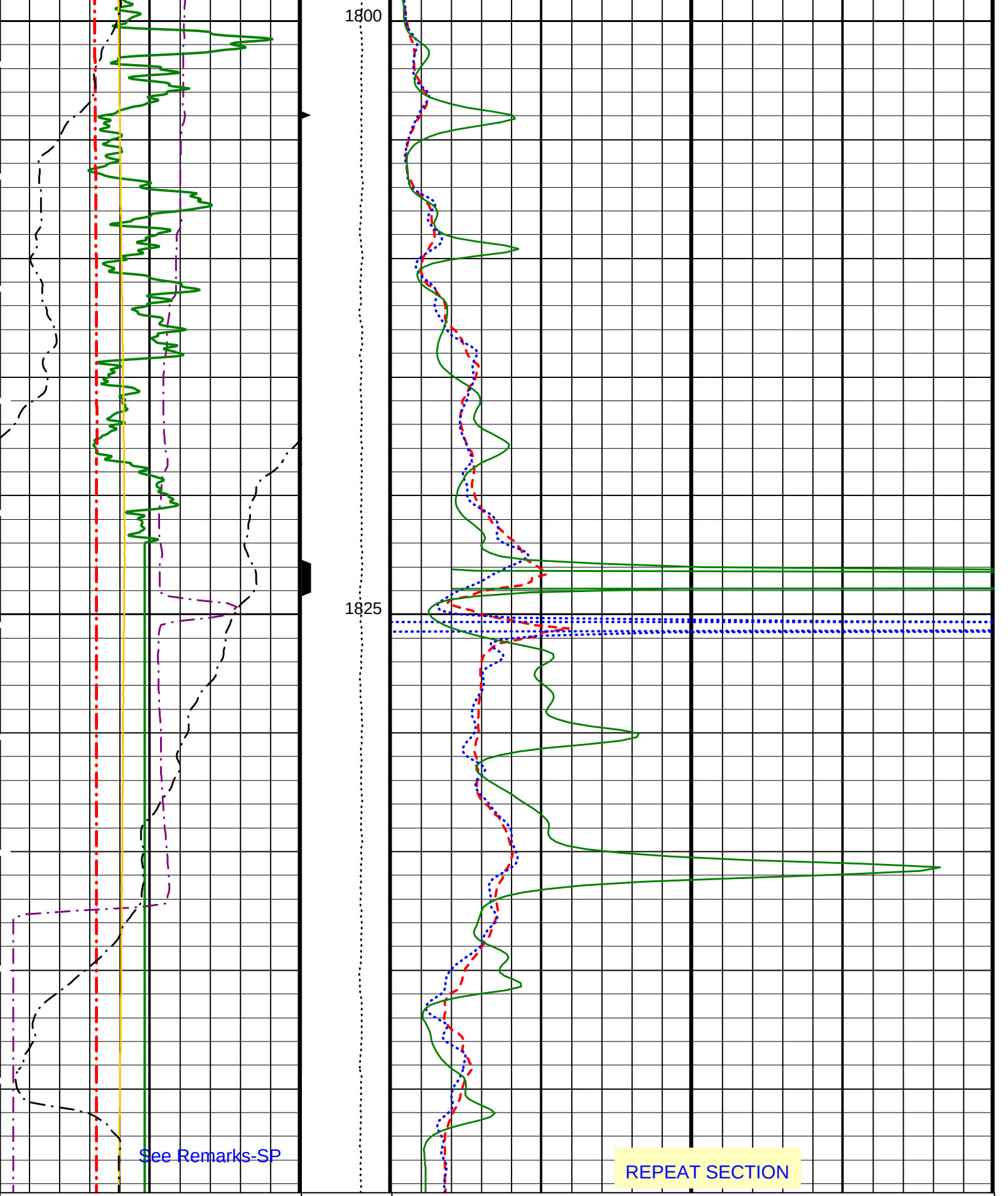
DIT-E	OP91-kp2	DTA-A	OP91-kp2
HLDS	OP91-kp2	NPLC-B	OP91-kp2
APS-BA	OP91-kp2	HNGS-BA	OP91-kp2
HTGC-B	OP91-kp2		

PIP SUMMARY

Time Mark Every 60 S




REPEAT SECTION
1750
TENS
SP
1775
SFQF
SFLA
MTEM
ITEM
IMQF
IDQF
IMPH
IDPH
HGR
STGC
LCAL



HLDS Caliper (LCAL)
0 (IN) 20

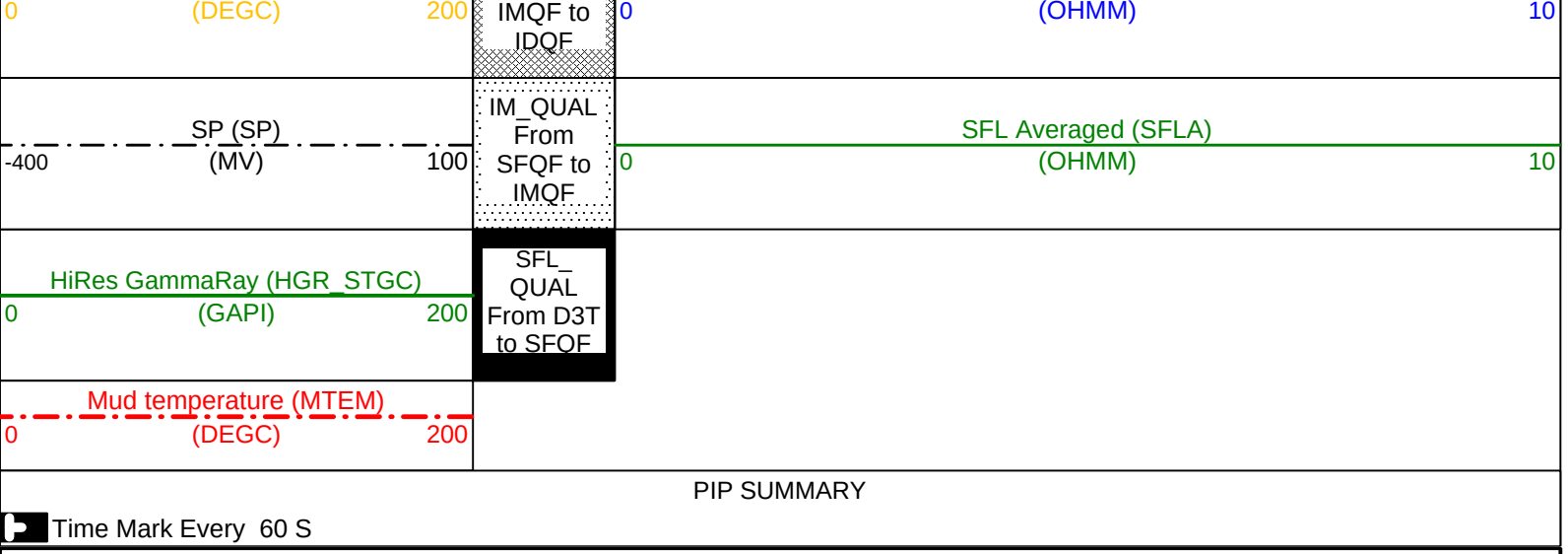
Tension (TENS) (LBF)
10000 0

Deep Induction Phasor-processed Resistivity (IDPH)
0 (OHMM) 10

DIT-E Induction Temperature (ITEM)

ID_QUAL From

Medium Induction Phasor-processed Resistivity (IMPH)



Parameters

DLIS Name	Description	Value	
	APS Cement Thickness Source	COMPUTED	
	Apparent Thickness of Cement	0	IN
	APS Software Version	5	
	HLDS Data Control	AcquiredData	
	HLDS SS NCB Mode	Density	
	HLDS Spec Message Rate	1	
	HLDS Diag Message Rate	20	
	HLDS SS Digital Integrator State	Normal	
	HLDS LS NCB Mode	Density	
	HLDS LS Tri-Ported Memory State	Enable	
	HLDS SS Tri-Ported Memory State	Enable	
	HLDS LS Digital Integrator State	Normal	
AASD	APS Thermal and Array Detectors High Voltage Setting	1968.98	V
ABOS	APS Neutron Burst-Off Background Subtraction Switch	ON	
ADSO	APS Array Detectors Data Source Switch	Both	
AFSD	APS Far Detector High Voltage Setting	2052.03	V
AHCS	APS Holesize Correction Source	GCSE	
AHSS	APS Holesize Correction Switch	ON	
ALTDPCHAN	Name of alternate depth channel	SpeedCorrectedDepth	
AMTY	APS Environmental Corrections Mud Type	WaterBaseBarite	
ANSD	APS Near Detector High Voltage Setting	1748.3	V
AOTS	APS Old Temperature Sensor Switch	NO	
ASOS	APS Standoff Correction Switch	ON	
ATSS	APS Temperature-Pressure-Salinity Correction Switch	OFF	
BAR1	HNGS Detector 1 Barite Constant	1	
BAR2	HNGS Detector 2 Barite Constant	1	
BHFL	Borehole Fluid Type	WATER	
BHK	HNGS Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	212	DEGF
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
BSAL	Borehole Salinity	-50000.00	PPM
BSCO	Borehole Salinity Correction Option	NO	
CCCO	Casing & Cement Thickness Correction Option	NO	
CLCL	HLDS LS Control Loop Controller Mode	AUTO_DEFAULT	
CLCS	HLDS SS Control Loop Controller Mode	AUTO_DEFAULT	
CLLS	HLDS Mode Loop Long Spacing	AUTO	
CLSS	HLDS Mode Loop Short Spacing	AUTO	
CONTYP	Conveyance Type	Wireline	
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSIZ	Current Casing Size	13.625	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
CWEI	Casing Weight	0.00	LB/F
D1PR	HNGS Detector 1 Calibration Thorium Peak Resolution	7.69015	%
D1TC	HNGS Detector 1 Calibration Temperature	83.0462	DEGF
D1TL	HNGS Detector 1 Calibration Thorium Peak Location	209.757	
D2PR	HNGS Detector 2 Calibration Thorium Peak Resolution	7.03497	%
D2TC	HNGS Detector 2 Calibration Temperature	81.4405	DEGF
D2TL	HNGS Detector 2 Calibration Thorium Peak Location	209.443	
DBCC	HNGS Barite Constant Correction Flag	NONE	
DEPREM1	Depth Remark 1		
DEPREM2	Depth Remark 2		

DEPREM3	Depth Remark 3		
DEPREM4	Depth Remark 4		
DEPREM5	Depth Remark 5		
DEPREM6	Depth Remark 6		
DFD	Drilling Fluid Density	9.17	LB/G
DGF1	Deep 10 kHz Gain Factor	1.01032	
DGF2	Deep 20 kHz Gain Factor	1.0235	
DGF4	Deep 40 kHz Gain Factor	1.04448	
DHC	Density Hole Correction	BS	
DO	Depth Offset for Logical Unit 1	0.0	M
DPH1	Deep 10 kHz Phase Shift	0.0509876	DEG
DPH2	Deep 20 kHz Phase Shift	-0.230754	DEG
DPH4	Deep 40 kHz Phase Shift	-1.48361	DEG
DPPM	Density Porosity Processing Mode	HIRS	
DRE1	Deep Real 10 kHz Sonde Error Correction	38.8566	MM/M
DRE2	Deep Real 20 kHz Sonde Error Correction	18.3624	MM/M
DRE4	Deep Real 40 kHz Sonde Error Correction	7.2011	MM/M
DRIM	DIT-E Radial Invasion Mode	Rxo>Rt	
DSR1	Deep Sigma Reference (10 kHz)	7637	MM/M
DSR2	Deep Sigma Reference (20 kHz)	1843	MM/M
DSR4	Deep Sigma Reference (40 kHz)	405	MM/M
DSTA	DIT-E Transversal Standoff	0	IN
DXE1	Deep Quad 10 kHz Sonde Error Correction	-112.164	MM/M
DXE2	Deep Quad 20 kHz Sonde Error Correction	-42.2018	MM/M
DXE4	Deep Quad 40 kHz Sonde Error Correction	-2.65141	MM/M
FD	Fluid Density	1	G/C3
FSAL	Formation Salinity	32000	PPM
FSCO	Formation Salinity Correction Option	NO	
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	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
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	-0.00471137	
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	
HSCO	Hole Size Correction Option	YES	
HSLV	HNGS Borehole Fluid Excluder Sleeve Status	NO	
HSVN	HNGS Spectral Standards Version Number	1.62695e-029	
IDWCD	IDW Calibration Date (dd-MMM-yyyy)	dd-MMM-yyyy	
IDWCSN	IDW Calibrator Serial Number	-999	
IDWLCN	IDW Calibration Cable Type	7-46P	
IDWSN	IDW Serial Number	-999	
IDWTYP	IDW Type	IDW-B	
IDWWC1	IDW Wheel Corrrection 1	1	
IDWWC2	IDW Wheel Corrrection 2	1	
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	
LATC	HLDS Activation Correction	ON	
LCSN	Logging Cable Serial Number	-999	
LLDL	HLDS LS Low Level Discriminator DAC	14000	
LLDS	HLDS SS Low Level Discriminator DAC	14000	
LLML	HLDS LS Low Level Discriminator Mode	AUTO	
LLMS	HLDS SS Low Level Discriminator Mode	AUTO	
LOGSEQ	Log Sequence	First_Log_In_Well	
MARQ_START	HNGS Marquardt Start-up Mode	INTERNAL	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
MCCO	Mud Cake Correction Option	NO	
MCOR	Mud Correction	NATU	
MDEN	Matrix Density	2.71	G/C3
MGF1	Medium 10 kHz Gain Factor	1.01651	
MGF2	Medium 20 kHz Gain Factor	1.02156	
MGF4	Medium 40 kHz Gain Factor	1.04229	
MPH1	Medium 10 kHz Phase Shift	-0.376713	DEG
MPH2	Medium 20 kHz Phase Shift	-1.08578	DEG
MPH4	Medium 40 kHz Phase Shift	-2.61029	DEG
MRE1	Medium Real 10 kHz Sonde Error Correction	43.3452	MM/M
MRE2	Medium Real 20 kHz Sonde Error Correction	8.9436	MM/M
MRE4	Medium Real 40 kHz Sonde Error Correction	-1.86438	MM/M
MSR1	Medium Sigma Reference (10 kHz)	13520	MM/M
MSR2	Medium Sigma Reference (20 kHz)	3250	MM/M
MSR4	Medium Sigma Reference (40 kHz)	685	MM/M
MST	Mud Sample Temperature	30.00	DEGF
MWCO	Mud Weight Correction Option	NO	
MXE1	Medium Quad 10 kHz Sonde Error Correction	-125.166	MM/M

MXE2	Medium Quad 20 kHz Sonde Error Correction	-46.3369	MM/M
MXE4	Medium Quad 40 kHz Sonde Error Correction	3.12311	MM/M
NARC	APS Near/Array Calibration Ratio	1.05998	
NFRC	APS Near/Far Calibration Ratio	0.896302	
NOTS	NPLC Old Temperature Sensor	NO	
NRBM	NPLC Reduced Telemetry Bandwidth Mode	OFF	
PBVSADP	Use alternate depth channel for playback	NO	
PHVL	HLDS Long Spacing High Voltage Setting	1000	V
PHVS	HLDS Short Spacing High Voltage Setting	1000	V
PP	Playback Processing	RECOMPUTE	
PSDL	HLDS LS Pulse Shape Compensation DAC	16000	
PSDS	HLDS SS Pulse Shape Compensation DAC	16000	
PSML	HLDS LS Pulse Shape Compensation Mode	AUTO	
PSMS	HLDS SS Pulse Shape Compensation Mode	AUTO	
PTCO	Pressure/Temperature Correction Option	NO	
RDF1_START	HNGS Detector 1 RDF Constant	0	
RDF2_START	HNGS Detector 2 RDF Constant	0	
RIGTYP	Rig Type	Offshore_Floater_with_WMC	
RLDT	Reference Log Date (dd-MMM-yyyy)	dd-MMM-yyyy	
RLNM	Reference Log Name		
RLRN	Reference Log Run Number		
RMFS	Resistivity of Mud Filtrate Sample	-50000.0000	OHMM
RULB	Rig Up Length at Bottom	0	FT
RULS	Rig Up Length at Surface	0	FT
RW	Resistivity of Connate Water	1.0000	OHMM
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S1NA	HNGS Detector 1 Calibration Sodium Count Rate	24.2212	CPS
S1NG	HNGS Detector 1 Calibration End-On / Side-On Gain Ratio	0.984113	
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
S2NA	HNGS Detector 2 Calibration Sodium Count Rate	24.6034	CPS
S2NG	HNGS Detector 2 Calibration End-On / Side-On Gain Ratio	0.982439	
SABK	HNGS Statistical Uncertainty in Borehole Potassium Running Average	0.000713537	
SBR	Shoulder Bed Resistivity Factor	1	OHMM
SCORR	Stretch Correction	-50000	FT
SDAT	Standoff Data Source	SOCN	
SFCR	SFL Channel Ratio	1000	
SFLE	SFL Enable	ENABLE	
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
SHT	Surface Hole Temperature	68.0001	DEGF
SOCN	Standoff Distance	0	IN
SOCO	Standoff Correction Option	NO	
SPAE	DIT-E SPARC Processing Enable	ENABLE	
SPNV	SP Next Value	0	MV
STDLC	Subsequent Trip Down Log Correction	-50000	FT
TD	Total Depth	32768	FT
TDD	Total Depth - Driller	-50000.00	FT
TDL	Total Depth - Logger	-50000.00	FT
TNDCD	Tension Device Calibration Date (dd-MMM-yyyy)	dd-MMM-yyyy	
TNDCSN	Tension Device Calibrator Serial Number	-999	
TNDGN	Tension Device GAIN	1	
TNDOFF	Tension Device Offset	0	
TNDSN	Tension Device Serial Number	-999	
TNDTYP	Tension Device	CMTD-B/A	
TPOS	Tool Position	ECCE	
TPOS_STGC	Tool Centered/Eccentered	Eccentered	
TWS	Temperature of Connate Water Sample	100.00	DEGF
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.952922	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.934578	
ZRCS	Tool Zero Reference Check at Surface	-50000	FT

Format: DITE_LinPhasor Vertical Scale: 1:200 Graphics File Created: 31-Dec-2000 16:19

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
HTGC-B	OP91-kp2		

Input DLIS Files

DEFAULT	DITE	.049	FN:82	PRODUCER	27-Dec-2000 17:59	1849.4 M	1743.5 M

Output DLIS Files

DEFAULT	DITE	.086	FN:134	PRODUCER	31-Dec-2000 16:19
LAMONT	DITE	.086	FN:135	PRODUCER	31-Dec-2000 16:19

COMPANY:	Lamont Doherty	BOTTOM LOG INTERVAL	1848 m

COMPANY: Lamont-Doherty

WELL: ODP Leg 193, Site 1189B (PCM-3A)

FIELD: Manus Basin, Roman Ruins

COUNTY: Offshore

STATE: Bismarck Sea

BOTTOM LOG INTERVAL	1848 m
SCHLUMBERGER DEPTH	1888 m
DEPTH DRILLER	1899 m
KELLY BUSHING	11.3 m
DRILL FLOOR	11 m
GROUND LEVEL	-1693 m

Schlumberger

Phasor Induction
Gamma Ray