

DISCLAIMER

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
OTHER SERVICES1 OS1: MESTB/DSI/HNGS OS2: OS3: OS4: OS5:	OTHER SERVICES2 OS1: OS2: OS3: OS4: OS5:
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REMARKS: RUN NUMBER 1 Hole drilled for logging, with two XCB cores on bottom. All depths in Meters Below Rig Floor (MBRF). Hole flushed with Sepiolite/Barite mud. Sae Floor Driller- 957.4 MBRF Sea Floor Logger- 956 MBRF. Total Depth Driller- 1167.9 MBRF Total Depth Logger- 1166 MBRF. Casing bottom Driller- 1004.32 MBRF. Casing Bottom Logger- 1003 MBRF Tight hole at 1144 and 1128 MBRF. Caliper closed before entering pipe. Heave was around 3+ meters. Lamont Heave Comp. hit limit around 1115 MBRF.	REMARKS: RUN NUMBER 2
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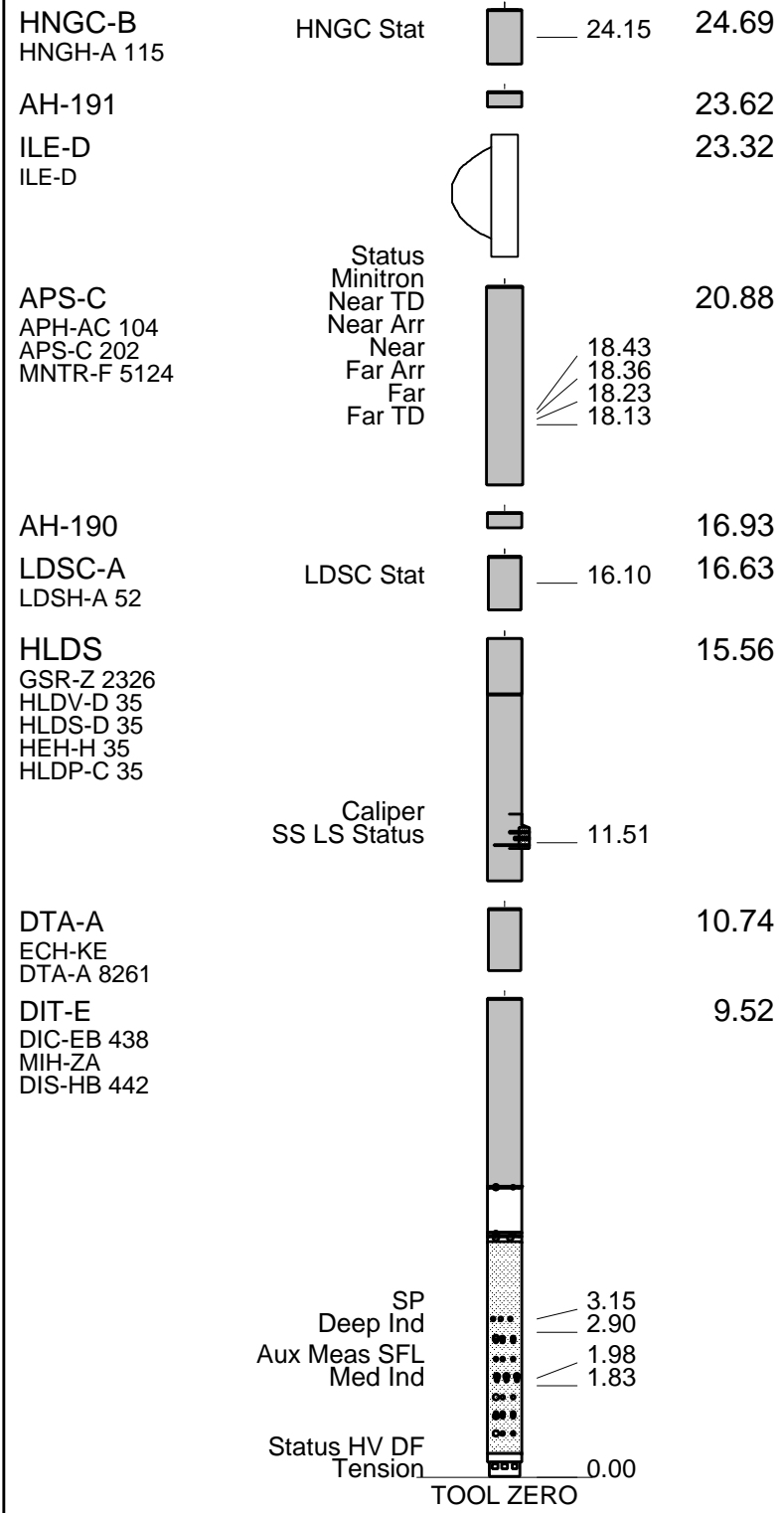
RUN 1			RUN 2		
SERVICE ORDER #:			SERVICE ORDER #:		
PROGRAM VERSION:		12C0-301	PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1		RUN 2	
SURFACE EQUIPMENT			
SFT-281 6250			
SFT-178 6250			
GSR-U 135			
WITM (DTS)-A			

DOWNHOLE EQUIPMENT			
LEH-QT			28.99
LEH-QT 1726			
DTC-H	CTEM		27.82
ECH-KC 9841	TelStatus		28.10
	ToolStatu		27.19
HNGS-BA	Upper_1		26.49
HNGS-BA 194	Lower_2		26.27
			27.19

HNSH-BA 205



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

Production String	(in)	(ft)	Well Schematic	(ft)	(in)	Casing String
	OD	ID		MD	OD	

Kelly Bushing Elevation

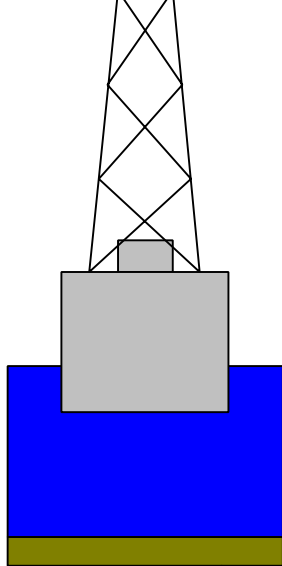
Derrick Floor Elevation

Mean Sea Level

11.3

11.0

0.0



0.0

5.500

Casing String



957.4 9.875
1004.3 5.500

Borehole Segment
Casing Shoe

1167.9 9.875

Borehole Segment Bottom

Schlumberger

Main Up Log

MAXIS Field Log

Input DLIS Files

DEFAULT	PI_LDL_APS_NGS_044LUP	FN:45	PRODUCER	30-Sep-2005 15:41	1165.9 M	951.0 M
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Output DLIS Files

DEFAULT	PI_LDL_APS_NGS_045PUP	FN:47	PRODUCER	30-Sep-2005 16:34	1165.9 M	955.7 M
DLIS_BKUP	PI_LDL_APS_NGS_045PUP	FN:48	PRODUCER	30-Sep-2005 16:34	1165.9 M	955.7 M

OP System Version: 12C0-301 MCM

DIT-E	12C0-301	DTA-A	12C0-301
HLDS	SPC-2602-NUCL_b	LDSC-A	SPC-2602-NUCL_b
APS-C	SPC-2602-NUCL_b	HNGC-B	SPC-2602-NUCL_b
HNGS-BA	SPC-2602-NUCL_b	DTC-H	12C0-301

Changed Parameter Summary

DLIS Name

New Value

Previous Value

Depth & Time

GCSE

BS

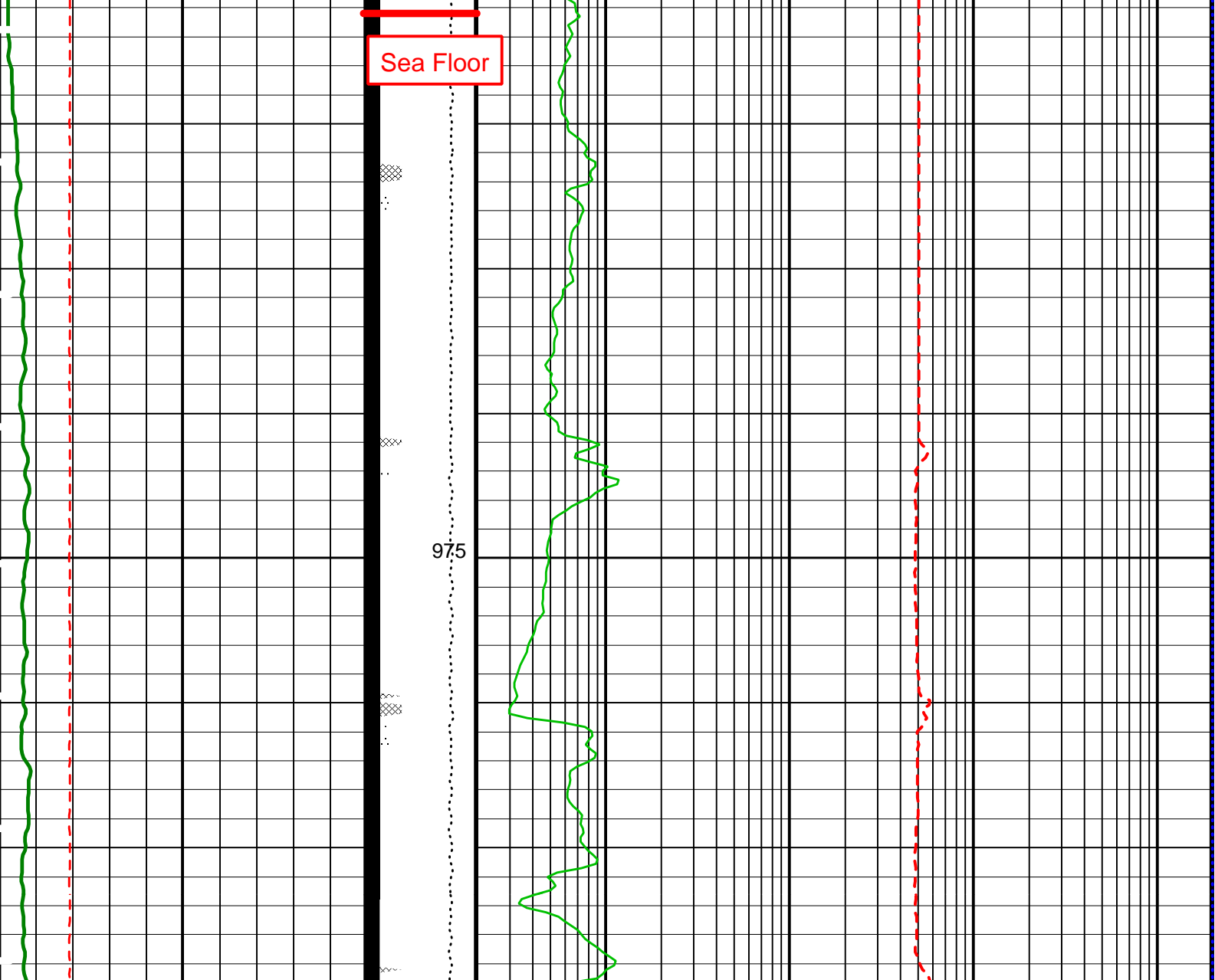
LCAL

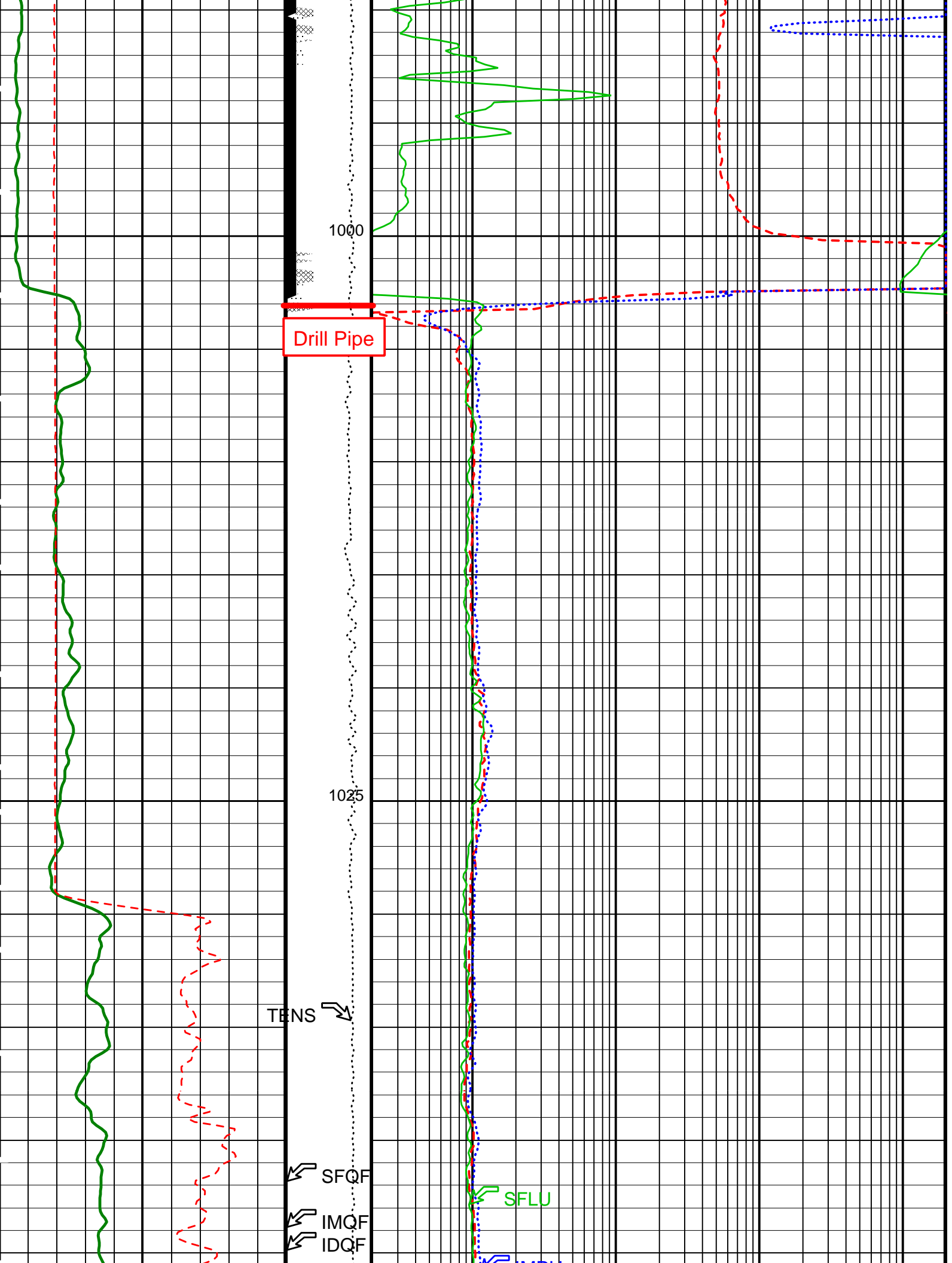
1006.8 16:37:35

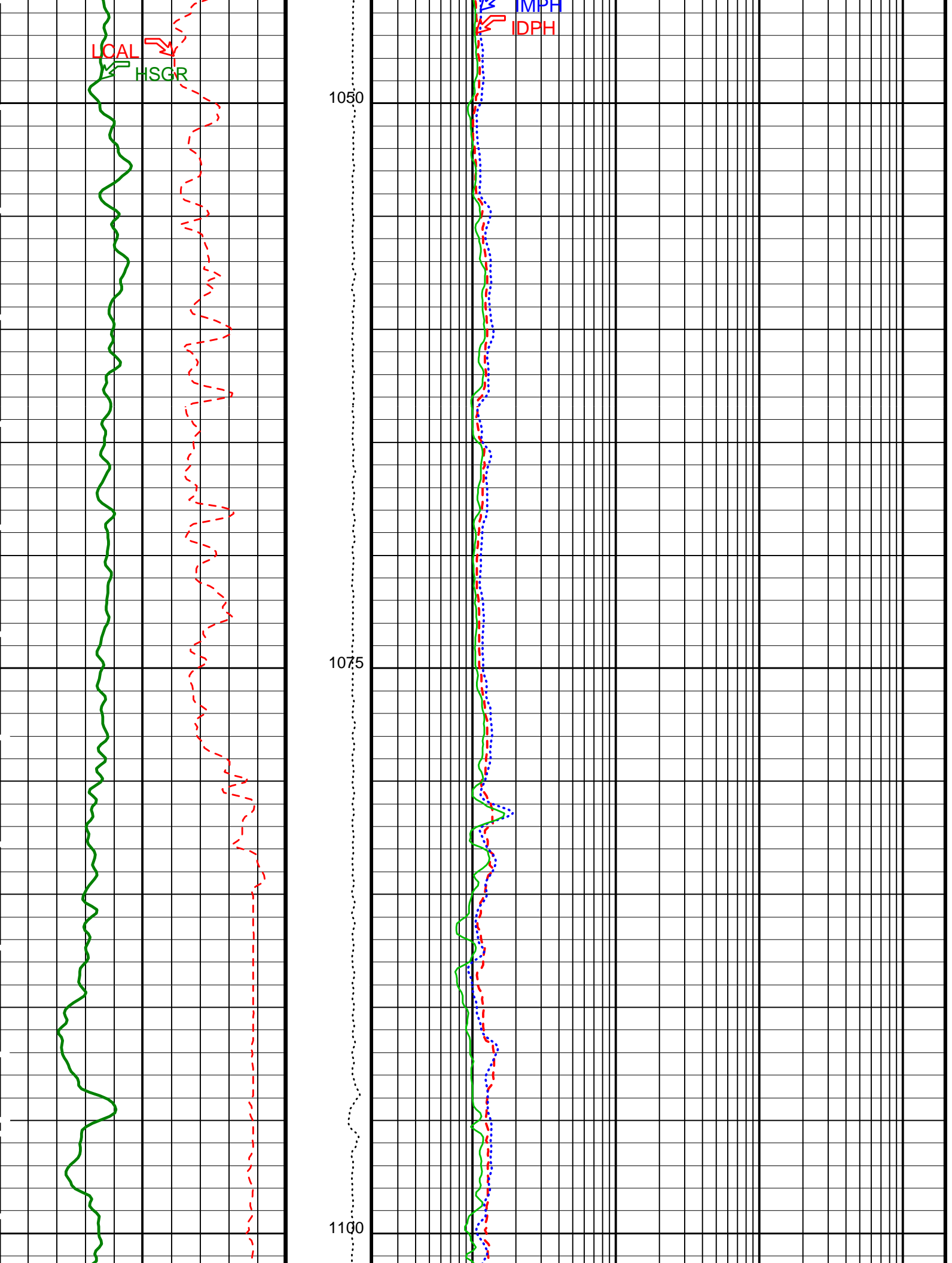
PIP SUMMARY

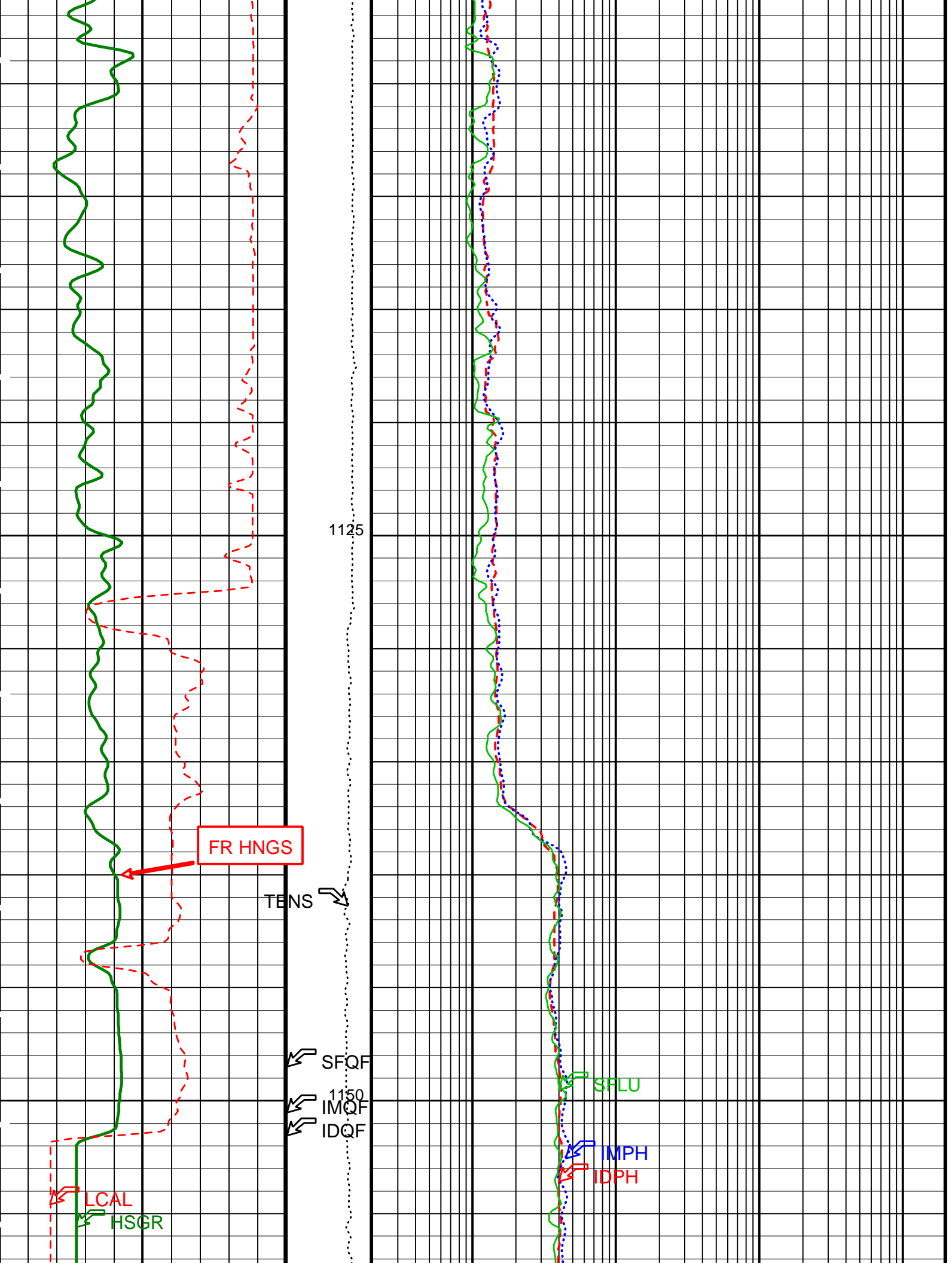
Time Mark Every 60 S

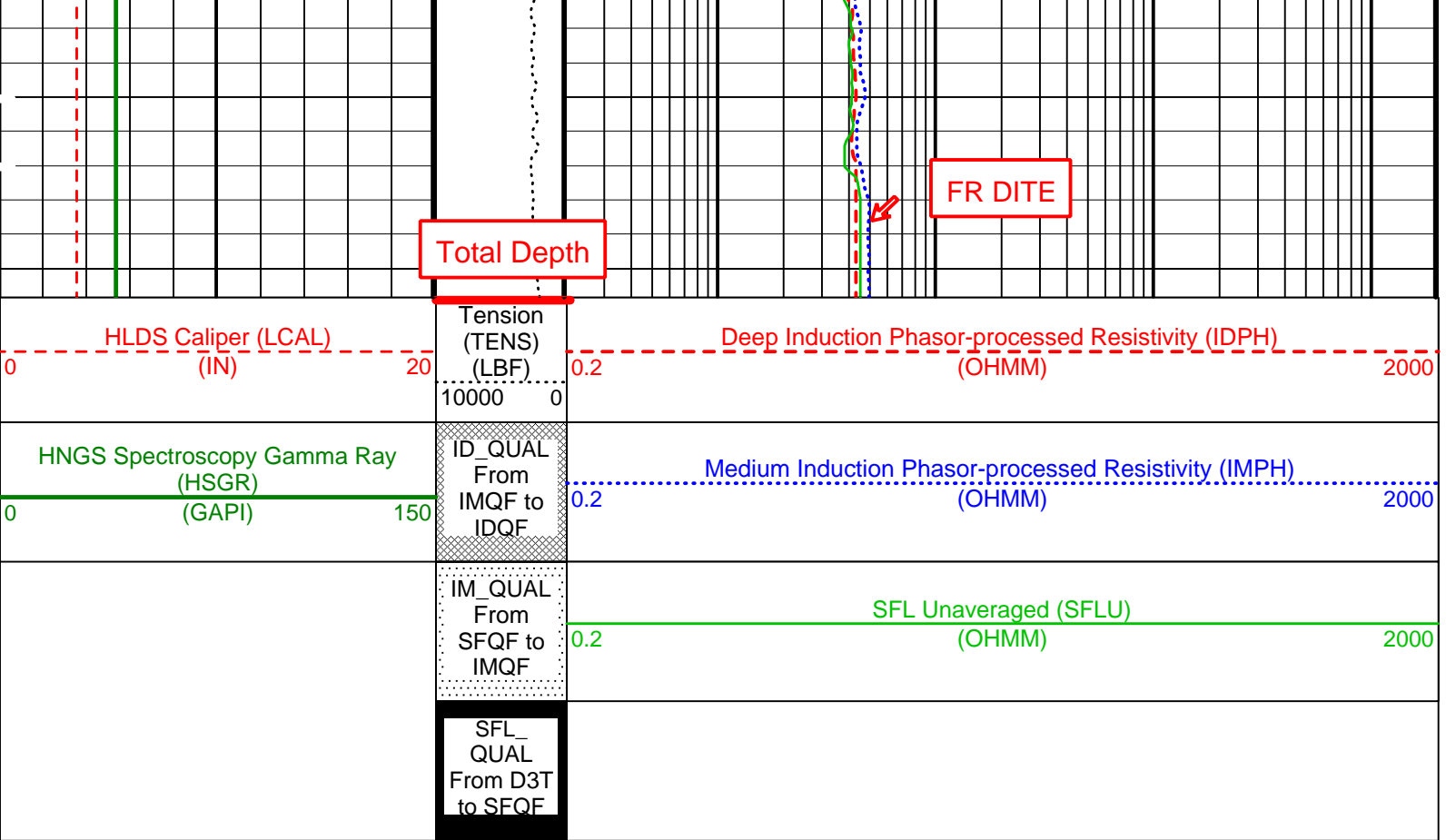
	SFL_QUAL From D3T to SFQF		
	IM_QUAL From SFQF to IMQF	0.2	SFL Unaveraged (SFLU) (OHMM) 2000
HNGS Spectroscopy Gamma Ray (HSGR) (GAPI) 0 150	ID_QUAL From IMQF to IDQF	0.2	Medium Induction Phasor-processed Resistivity (IMPH) (OHMM) 2000
HLDS Caliper (LCAL) (IN) 0 20	Tension (TENS) (LBF) 10000 0	0.2	Deep Induction Phasor-processed Resistivity (IDPH) (OHMM) 2000











PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DIT-E: Dual Induction - E		
BHS	Borehole Status	OPEN
BHT	Bottom Hole Temperature (used in calculations)	100 DEGC
DGF2	Deep 20 kHz Gain Factor	1.02064
DPH2	Deep 20 kHz Phase Shift	-0.243728 DEG
DRE2	Deep Real 20 kHz Sonde Error Correction	16.6208 MM/M
DSR2	Deep Sigma Reference (20 kHz)	1843 MM/M
DXE2	Deep Quad 20 kHz Sonde Error Correction	64.8082 MM/M
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
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
MGF2	Medium 20 kHz Gain Factor	1
MPH2	Medium 20 kHz Phase Shift	0 DEG
MRE2	Medium Real 20 kHz Sonde Error Correction	-2.31932 MM/M
MSR2	Medium Sigma Reference (20 kHz)	3250 MM/M
MXE2	Medium Quad 20 kHz Sonde Error Correction	-31.8992 MM/M
SFCR	SFL Channel Ratio	1000
SHT	Surface Hole Temperature	20 DEGC
APS-C: Accelerator-Porosity Tool		
BHS	Borehole Status	OPEN
BHT	Bottom Hole Temperature (used in calculations)	100 DEGC
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
SHT	Surface Hole Temperature	20 DEGC
HNGS-BA: Hostile Natural Gamma Ray Sonde		
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)	100 DEGC
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
DBCC	HNGS Barite Constant Correction Flag	NONE	
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	-0.00188243	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
SHT	Surface Hole Temperature	20	DEGC
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.971055	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.974887	
HOLEV: Integrated Hole/Cement Volume			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	100	DEGC
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	
SHT	Surface Hole Temperature	20	DEGC
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	
TD	Total Depth	1167.9	M

Format: DITE_LogPhasor Vertical Scale: 1:200 Graphics File Created: 30-Sep-2005 16:35

OP System Version: 12C0-301

MCM

DIT-E	12C0-301	DTA-A	12C0-301
HLDS	SPC-2602-NUCL_b	LDSC-A	SPC-2602-NUCL_b
APS-C	SPC-2602-NUCL_b	HNGC-B	SPC-2602-NUCL_b
HNGS-BA	SPC-2602-NUCL_b	DTC-H	12C0-301

Input DLIS Files

DEFAULT	PI_LDL_APS_NGS_044LUP	FN:45	PRODUCER	30-Sep-2005 15:41	1165.9 M	951.0 M
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Output DLIS Files

DEFAULT	PI_LDL_APS_NGS_045PUP	FN:47	PRODUCER	30-Sep-2005 16:34		
DLIS_BKUP	PI_LDL_APS_NGS_045PUP	FN:48	PRODUCER	30-Sep-2005 16:34		



Calibrations

MAXIS Field Log

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
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Master: 8-Aug-2005 5:15 Before: 21-Sep-2005 14:57 After: 30-Sep-2005 17:11								
SS Cs Resolution Bkg	9.000	8.500	8.443	8.524	0.08127	1.800	%	
LS Cs Resolution Bkg	9.000	8.161	8.109	8.091	-0.01800	1.800	%	
LSW1 Background	100.0	82.14	80.82	80.57	-0.2516	3.000	CPS	
LSW2 Background	100.0	74.99	73.65	73.47	-0.1817	3.000	CPS	
LSW3 Background	200.0	169.1	165.2	165.9	0.6608	6.000	CPS	
LSW4 Background	250.0	207.4	207.5	207.1	-0.4258	7.500	CPS	
LSW5 Background	600.0	464.2	463.8	466.7	2.918	18.00	CPS	
SSW1 Background	100.0	79.48	79.58	79.15	-0.4258	3.000	CPS	
SSW2 Background	200.0	141.1	139.3	139.8	0.4963	6.000	CPS	
SSW3 Background	500.0	376.6	373.7	376.1	2.361	15.00	CPS	
SSW4 Background	270.0	198.6	200.2	200.1	-0.08234	8.100	CPS	
SSW5 Background	200.0	143.3	142.2	142.9	0.7099	6.000	CPS	
Hostile Litho-Density Sonde Wellsite Calibration - Aluminum Measurement								
Master: 8-Aug-2005 7:18								
LSW1 Aluminum	600.0	547.9	N/A	N/A	N/A	N/A	CPS	
LSW2 Aluminum	900.0	848.8	N/A	N/A	N/A	N/A	CPS	
LSW3 Aluminum	1100	1044	N/A	N/A	N/A	N/A	CPS	
LSW4 Aluminum	580.0	519.9	N/A	N/A	N/A	N/A	CPS	
LSW5 Aluminum	570.0	481.0	N/A	N/A	N/A	N/A	CPS	
SSW1 Aluminum	2800	2413	N/A	N/A	N/A	N/A	CPS	
SSW2 Aluminum	8000	6977	N/A	N/A	N/A	N/A	CPS	
SSW3 Aluminum	11600	10160	N/A	N/A	N/A	N/A	CPS	
SSW4 Aluminum	5000	4265	N/A	N/A	N/A	N/A	CPS	
SSW5 Aluminum	660.0	578.6	N/A	N/A	N/A	N/A	CPS	
Hostile Litho-Density Sonde Wellsite Calibration - Lithology Measurement								
Master: 8-Aug-2005 7:13								
LSW1 Iron	400.0	371.2	N/A	N/A	N/A	N/A	CPS	
LSW2 Iron	730.0	670.4	N/A	N/A	N/A	N/A	CPS	
LSW3 Iron	1000	911.2	N/A	N/A	N/A	N/A	CPS	
LSW4 Iron	520.0	473.6	N/A	N/A	N/A	N/A	CPS	
LSW5 Iron	470.0	442.6	N/A	N/A	N/A	N/A	CPS	
SSW1 Iron	2100	1806	N/A	N/A	N/A	N/A	CPS	
SSW2 Iron	6800	5840	N/A	N/A	N/A	N/A	CPS	
SSW3 Iron	10800	9264	N/A	N/A	N/A	N/A	CPS	
SSW4 Iron	4600	3901	N/A	N/A	N/A	N/A	CPS	
SSW5 Iron	580.0	507.2	N/A	N/A	N/A	N/A	CPS	
Hostile Litho-Density Sonde Wellsite Calibration - Caliper Calibration								
Before: 21-Sep-2005 15:47								
HLDS Caliper Small Ring	3.625	N/A	4.808	N/A	N/A	N/A	IN	
HLDS Caliper Large Ring	17.63	N/A	20.95	N/A	N/A	N/A	IN	
Accelerator-Porosity Tool Wellsite Calibration - Detector Background								
Master: 14-Aug-2005 23:57 Before: 21-Sep-2005 14:37 After: 30-Sep-2005 17:12								
Near Det Bkg Cntrate	30.00	25.36	25.48	23.91	-1.568	N/A	CPS	
Far Det Bkg Cntrate	30.00	26.40	25.95	25.89	-0.05788	N/A	CPS	
Array-1 Det Bkg Cntrate	30.00	27.15	27.16	27.81	0.6514	N/A	CPS	
Array-2 Det Bkg Cntrate	30.00	26.59	26.06	27.08	1.021	N/A	CPS	
Array Therm Det Bkg Cntrate	30.00	26.22	27.76	25.18	-2.583	N/A	CPS	
Accelerator-Porosity Tool Wellsite Calibration - Calibration Ratios								
Master: 14-Aug-2005 23:57								
Near/Far Calibration Ratio	0.9250	0.9630	N/A	N/A	N/A	N/A		
Near/Array Calibration Ratio	1.030	0.9878	N/A	N/A	N/A	N/A		
Near/Array Cal Ratio Up/Down	1.000	1.011	N/A	N/A	N/A	N/A		
Accelerator-Porosity Tool Wellsite Calibration - Tank Check								
Master: 14-Aug-2005 23:57								
Array-1 Standoff Porosity	11.75	12.31	N/A	N/A	N/A	N/A	PU	
Array-2 Standoff Porosity	11.75	11.98	N/A	N/A	N/A	N/A	PU	
Average Slowing Down Time	6.000	5.772	N/A	N/A	N/A	N/A	US	
Array-1 SDT Ratio Up/Down	1.000	1.001	N/A	N/A	N/A	N/A		
Array-2 SDT Ratio Up/Down	1.000	0.9963	N/A	N/A	N/A	N/A		
Sigma Formation	27.50	27.56	N/A	N/A	N/A	N/A	CU	
Accelerator-Porosity Tool Wellsite Calibration - CCR7 signal boxes								
Master: 14-Aug-2005 23:11								
Near Detector Plateau Setting	1650	1738	N/A	N/A	N/A	N/A	V	
Far Detector Plateau Setting	2000	2083	N/A	N/A	N/A	N/A	V	
Array Detector Plateau Setting	2000	1970	N/A	N/A	N/A	N/A	V	
Hostile Natural Gamma Ray Sonde Wellsite Calibration - Detector 1 Check								
Master: 19-Aug-2005 13:45 Before: 21-Sep-2005 14:13 After: 30-Sep-2005 17:12								
Na 511 Peak Loc	40.00	39.55	39.73	39.54	-0.1916	1.000		
Na 511 Peak Res	15.50	16.41	15.03	16.10	1.070	2.000	%	
High Voltage	1150	1122	1093	1092	-1.759	N/A	V	
Na 1785 Peak Loc	142.6	142.5	142.9	142.9	0.06044	7.000		
Na 1785 Peak Res	8.500	9.106	7.652	7.826	0.1741	2.000	%	

Temperature	15.50	34.58	20.94	18.97	-1.968	N/A	DEGC
Na Count Rate	45.00	47.00	46.36	45.14	-1.222	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration - Detector 2 Check							
Master: 19-Aug-2005 13:45 Before: 21-Sep-2005 14:13 After: 30-Sep-2005 17:12							
Na 511 Peak Loc	40.00	39.60	39.66	39.63	-0.03110	1.000	
Na 511 Peak Res	15.50	16.71	14.86	15.17	0.3153	2.000	%
High Voltage	1150	1200	1169	1167	-1.549	N/A	V
Na 1785 Peak Loc	142.6	142.6	142.3	142.3	0.07344	7.000	
Na 1785 Peak Res	8.500	8.264	8.291	8.664	0.3727	2.000	%
Temperature	15.50	33.67	19.78	18.93	-0.8521	N/A	DEGC
Na Count Rate	45.00	46.77	46.71	45.62	-1.092	8.000	CPS

Hostile Natural Gamma Ray Sonde Wellsite Calibration - Ratio Of Detector 1 To Detector 2							
Master: 19-Aug-2005 13:45 Before: 21-Sep-2005 14:13 After: 30-Sep-2005 17:12							
Coincidence Count Rate Ratio	1.000	1.005	0.9949	0.9871	-0.007736	0.05000	

Hostile Natural Gamma Ray Sonde Master Calibration - Detector 1 Calibration							
Master: 19-Aug-2005 13:45							
Na 511 Peak Set Point	40.00	41.00	--	--	--	--	
Th Peak Loc	209.6	209.4	--	--	--	--	
Th Peak Res	7.000	7.421	--	--	--	--	%
Background Count Rate	142.5	22.21	--	--	--	--	CPS
Gain Ratio	1.000	1.007	--	--	--	--	

Hostile Natural Gamma Ray Sonde Master Calibration - Detector 2 Calibration							
Master: 19-Aug-2005 13:45							
Na 511 Peak Set Point	40.00	41.00	--	--	--	--	
Th Peak Loc	209.6	209.7	--	--	--	--	
Th Peak Res	7.000	7.313	--	--	--	--	%
Background Count Rate	142.5	20.37	--	--	--	--	CPS
Gain Ratio	1.000	1.007	--	--	--	--	

Accelerator-Porosity Tool - Detector Plateau Settings :

Near Detector Plateau Setting	1738 V
Far Detector Plateau Setting	2083 V
Array Detector Plateau Setting	1970 V

Dual Induction - E / Equipment Identification

Primary Equipment:			
Dual Induction Sonde	DIS - HB	442	
Dual Induction Cartridge	DIC - EB	438	
Auxiliary Equipment:			
Mass Isolated Housing	MIH - ZA		

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		39.39	Before		1.019	Before		8.637
	-300.0 (Minimum) 0 (Nominal) 300.0 (Maximum)			0.8500 (Minimum) 1.000 (Nominal) 1.200 (Maximum)			-10.00 (Minimum) 0 (Nominal) 10.00 (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		23.60	Before		1.007	Before	EXCEEDS LIMIT	13.17
	-300.0 (Minimum) 0 (Nominal) 300.0 (Maximum)			0.8500 (Minimum) 1.000 (Nominal) 1.200 (Maximum)			-10.00 (Minimum) 0 (Nominal) 10.00 (Maximum)	
Phase	IM Elect Real Offset 10 kHz MM/M	Value	Phase	IM Elect Real Gain 10 kHz	Value			
Before		96.97	Before		0.9575			
	-550.0 (Minimum) 0 (Nominal) 550.0 (Maximum)			0.8500 (Minimum) 1.000 (Nominal) 1.200 (Maximum)				
Phase	IM Elect Quad Offset 10 kHz MM/M	Value	Phase	IM Elect Quad Gain 10 kHz	Value			
Before		94.83	Before		0.9542			
	-550.0 (Minimum) 0 (Nominal) 550.0 (Maximum)			0.8500 (Minimum) 1.000 (Nominal) 1.200 (Maximum)				

Before: 30-Sep-2005 15:33

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		15.27	Before		1.026	Before		6.866
	-125.0 (Minimum) 0 (Nominal) 125.0 (Maximum)			0.8500 (Minimum) 1.000 (Nominal) 1.200 (Maximum)			-15.00 (Minimum) 0 (Nominal) 15.00 (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		9.289	Before		1.014	Before		11.63
	-125.0 (Minimum) 0 (Nominal) 125.0 (Maximum)			0.8500 (Minimum) 1.000 (Nominal) 1.200 (Maximum)			-15.00 (Minimum) 0 (Nominal) 15.00 (Maximum)	
Phase	IM Elect Real Offset 20 kHz MM/M	Value	Phase	IM Elect Real Gain 20 kHz	Value			
Before		40.40	Before		1.017			
	-225.0 (Minimum) 0 (Nominal) 225.0 (Maximum)			0.8500 (Minimum) 1.000 (Nominal) 1.200 (Maximum)				
Phase	IM Elect Quad Offset 20 kHz MM/M	Value	Phase	IM Elect Quad Gain 20 kHz	Value			
Before		39.62	Before		1.013			
	-225.0 (Minimum) 0 (Nominal) 225.0 (Maximum)			0.8500 (Minimum) 1.000 (Nominal) 1.200 (Maximum)				

Before: 30-Sep-2005 15:34

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		9.867	Before		0.9970	Before		25.58
	-85.00 (Minimum) 0 (Nominal) 85.00 (Maximum)			0.8500 (Minimum) 1.000 (Nominal) 1.200 (Maximum)			-20.00 (Minimum) 0 (Nominal) 20.00 (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		6.014	Before		0.9838	Before		30.19
	-85.00 (Minimum) 0 (Nominal) 85.00 (Maximum)			0.8500 (Minimum) 1.000 (Nominal) 1.200 (Maximum)			-20.00 (Minimum) 0 (Nominal) 20.00 (Maximum)	
Phase	IM Elect Real Offset 40 kHz MM/M	Value	Phase	IM Elect Real Gain 40 kHz	Value			
Before		26.31	Before		1.030			
	-130.0 (Minimum) 0 (Nominal) 130.0 (Maximum)			0.8500 (Minimum) 1.000 (Nominal) 1.200 (Maximum)				
Phase	IM Elect Quad Offset 40 kHz MM/M	Value	Phase	IM Elect Quad Gain 40 kHz	Value			
Before		25.86	Before		1.026			
	-130.0 (Minimum) 0 (Nominal) 130.0 (Maximum)			0.8500 (Minimum) 1.000 (Nominal) 1.200 (Maximum)				

Before: 30-Sep-2005 15:35

Dual Induction - E Wellsite Calibration

SFL Electronics

Phase	SFL Voltage Offset MV	Value	Phase	SFL Voltage Gain	Value
Before		1.191	Before		1.014
	-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		0.007952	Before		0.9927
	-0.6000 (Minimum) 0 (Nominal) 0.6000 (Maximum)			0.8500 (Minimum) 1.000 (Nominal) 1.200 (Maximum)	

Before: 30-Sep-2005 15:36

Dual Induction - E Wellsite Calibration

Electronics Calibration Changes Files/Depth Intervals: 40: 0.0 - 0.0 41: 973.8 - 1138.6 43: 0.0 - 0.0 44: 1165.9 - 951.0

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		0.4595	After		0.0003691	After		0.0006742
	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		0.3622	After		0.0003085			
	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		0.0005184			
	0 (Minimum) 0 (Nominal) 0.7500 (Maximum)			0 (Minimum) 0 (Nominal) 2.000 (Maximum)				

Dual Induction - E Master Calibration								
Test Loop Calibration: Calibration of Internal Reference to Test Loop Standard								
Phase	Deep 10 kHz Gain Factor	Value	Phase	Deep 20 kHz Gain Factor	Value	Phase	Deep 40 kHz Gain Factor	Value
Master		1.009	Master		1.021	Master		1.038
	0.9000 (Minimum) 1.000 (Nominal) 1.100 (Maximum)			0.9000 (Minimum) 1.000 (Nominal) 1.100 (Maximum)			0.9000 (Minimum) 1.000 (Nominal) 1.100 (Maximum)	
Phase	Medium 10 kHz Gain Factor	Value	Phase	Medium 20 kHz Gain Factor	Value	Phase	Medium 40 kHz Gain Factor	Value
Master		1.000	Master		1.000	Master		1.000
	0.9000 (Minimum) 1.000 (Nominal) 1.100 (Maximum)			0.9000 (Minimum) 1.000 (Nominal) 1.100 (Maximum)			0.9000 (Minimum) 1.000 (Nominal) 1.100 (Maximum)	
Phase	Deep 10 kHz Phase Shift	Value	Phase	Deep 20 kHz Phase Shift	Value	Phase	Deep 40 kHz Phase Shift	Value
Master		0.01267	Master		-0.2437	Master		-1.527
	-1.500 (Minimum) 0 (Nominal) 1.500 (Maximum)			-2.000 (Minimum) 0 (Nominal) 2.000 (Maximum)			-4.000 (Minimum) -1.000 (Nominal) 2.000 (Maximum)	
Phase	Medium 10 kHz Phase Shift	Value	Phase	Medium 20 kHz Phase Shift	Value	Phase	Medium 40 kHz Phase Shift	Value
Master		0	Master		0	Master		0
	-1.500 (Minimum) 0 (Nominal) 1.500 (Maximum)			-3.000 (Minimum) -1.000 (Nominal) 1.000 (Maximum)			-5.000 (Minimum) -2.000 (Nominal) 1.000 (Maximum)	

Master: Calibration out of date 8-Apr-2004 10:16

Dual Induction - E Master Calibration								
Sonde Error Corrections: Correction for sonde response in zero conductivity environment. (Normalized to 25C).								
Phase	Real Deep 10 kHz S.E. Corr.	Value	Phase	Real Deep 20 kHz S.E. Corr.	Value	Phase	Real Deep 40 kHz S.E. Corr.	Value
Master		48.25	Master		16.62	Master		4.700
	-50.00 (Minimum) 0 (Nominal) 125.0 (Maximum)			-30.00 (Minimum) 0 (Nominal) 30.00 (Maximum)			-15.00 (Minimum) 0 (Nominal) 15.00 (Maximum)	
Phase	Quad Deep 10 kHz S.E. Corr.	Value	Phase	Quad Deep 20 kHz S.E. Corr.	Value	Phase	Quad Deep 40 kHz S.E. Corr.	Value
Master		105.0	Master		64.81	Master		46.33
	-250.0 (Minimum) 0 (Nominal) 350.0 (Maximum)			-125.0 (Minimum) 0 (Nominal) 200.0 (Maximum)			-75.00 (Minimum) 0 (Nominal) 125.0 (Maximum)	
Phase	Real Medium 10 kHz S.E. Corr.	Value	Phase	Real Medium 20 kHz S.E. Corr.	Value	Phase	Real Medium 40 kHz S.E. Corr.	Value
Master		17.07	Master		-2.319	Master		-9.445
	-50.00 (Minimum) 0 (Nominal) 140.0 (Maximum)			-50.00 (Minimum) 0 (Nominal) 50.00 (Maximum)			-30.00 (Minimum) 0 (Nominal) 30.00 (Maximum)	
Phase	Quad Medium 10 kHz S.E. Corr.	Value	Phase	Quad Medium 20 kHz S.E. Corr.	Value	Phase	Quad Medium 40 kHz S.E. Corr.	Value
Master		-95.46	Master		-31.90	Master		11.62
	-1300 (Minimum) 0 (Nominal) 1300 (Maximum)			-650.0 (Minimum) 0 (Nominal) 650.0 (Maximum)			-350.0 (Minimum) 0 (Nominal) 350.0 (Maximum)	

Master: Calibration out of date 8-Apr-2004 10:25

Hostile Litho-Density Sonde / Equipment Identification

Primary Equipment:

Hostile Litho Density Sonde HLDS - D 35
 Hostile Litho Density High Voltage HDLV - D 35
 Gamma Source Radioactive GSR - Z 2326

Auxiliary Equipment:

Hostile Litho Density Pad HLDP - C 35
 Hostile Litho Density High Voltage Housi HEH - H 35

Hostile Litho-Density Sonde Wellsite Calibration								
Background Measurement								
Phase	SS Cs Resolution Bkg %	Value	Phase	LS Cs Resolution Bkg %	Value	Phase	LSW1 Background CPS	Value
Master		8.500	Master		8.161	Master		82.14
Before		8.443	Before		8.109	Before		80.82
After		8.524	After		8.091	After		80.57
	7.000 (Minimum) 9.000 (Nominal) 11.00 (Maximum)			7.000 (Minimum) 9.000 (Nominal) 11.00 (Maximum)			55.00 (Minimum) 100.0 (Nominal) 150.0 (Maximum)	
Phase	LSW2 Background CPS	Value	Phase	LSW3 Background CPS	Value	Phase	LSW4 Background CPS	Value
Master		74.99	Master		169.1	Master		207.4

Before		73.65	Before		165.2	Before		207.5
After		73.47	After		165.9	After		207.1
50.00 (Minimum) 100.0 (Nominal) 140.0 (Maximum)			110.0 (Minimum) 200.0 (Nominal) 290.0 (Maximum)			140.0 (Minimum) 250.0 (Nominal) 360.0 (Maximum)		
Phase	LSW5 Background CPS	Value	Phase	SSW1 Background CPS	Value	Phase	SSW2 Background CPS	Value
Master		464.2	Master		79.48	Master		141.1
Before		463.8	Before		79.58	Before		139.3
After		466.7	After		79.15	After		139.8
330.0 (Minimum) 600.0 (Nominal) 830.0 (Maximum)			55.00 (Minimum) 100.0 (Nominal) 150.0 (Maximum)			100.0 (Minimum) 200.0 (Nominal) 260.0 (Maximum)		
Phase	SSW3 Background CPS	Value	Phase	SSW4 Background CPS	Value	Phase	SSW5 Background CPS	Value
Master		376.6	Master		198.6	Master		143.3
Before		373.7	Before		200.2	Before		142.2
After		376.1	After		200.1	After		142.9
280.0 (Minimum) 500.0 (Nominal) 700.0 (Maximum)			150.0 (Minimum) 270.0 (Nominal) 380.0 (Maximum)			110.0 (Minimum) 200.0 (Nominal) 270.0 (Maximum)		
Master: 8-Aug-2005 5:15			Before: 21-Sep-2005 14:54			After: 30-Sep-2005 17:11		

Hostile Litho-Density Sonde Master Calibration								
Detector Background Measurement								
Phase	LSW1 Background CPS	Value	Phase	LSW2 Background CPS	Value	Phase	LSW3 Background CPS	Value
Master		82.14	Master		74.99	Master		169.1
55.00 (Minimum) 100.0 (Nominal) 150.0 (Maximum)			50.00 (Minimum) 100.0 (Nominal) 140.0 (Maximum)			110.0 (Minimum) 200.0 (Nominal) 290.0 (Maximum)		
Phase	LSW4 Background CPS	Value	Phase	LSW5 Background CPS	Value	Phase	LS Cs Resolution Bkg %	Value
Master		207.4	Master		464.2	Master		8.161
140.0 (Minimum) 250.0 (Nominal) 360.0 (Maximum)			330.0 (Minimum) 600.0 (Nominal) 830.0 (Maximum)			7.000 (Minimum) 9.000 (Nominal) 11.00 (Maximum)		
Phase	SSW1 Background CPS	Value	Phase	SSW2 Background CPS	Value	Phase	SSW3 Background CPS	Value
Master		79.48	Master		141.1	Master		376.6
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	Phase	SS Cs Resolution Bkg %	Value
Master		198.6	Master		143.3	Master		8.500
150.0 (Minimum) 270.0 (Nominal) 380.0 (Maximum)			110.0 (Minimum) 200.0 (Nominal) 270.0 (Maximum)			7.000 (Minimum) 9.000 (Nominal) 11.00 (Maximum)		
Master: 8-Aug-2005 5:15								

Hostile Litho-Density Sonde Master Calibration								
Detector Aluminum Measurement (bkgd-subtracted)								
Phase	LSW1 Aluminum CPS	Value	Phase	LSW2 Aluminum CPS	Value	Phase	LSW3 Aluminum CPS	Value
Master		547.9	Master		848.8	Master		1044
420.0 (Minimum) 600.0 (Nominal) 700.0 (Maximum)			650.0 (Minimum) 900.0 (Nominal) 1050 (Maximum)			800.0 (Minimum) 1100 (Nominal) 1300 (Maximum)		
Phase	LSW4 Aluminum CPS	Value	Phase	LSW5 Aluminum CPS	Value	Phase	SSW1 Aluminum CPS	Value
Master		519.9	Master		481.0	Master		2413
410.0 (Minimum) 580.0 (Nominal) 670.0 (Maximum)			410.0 (Minimum) 570.0 (Nominal) 660.0 (Maximum)			2000 (Minimum) 2800 (Nominal) 3200 (Maximum)		
Phase	SSW2 Aluminum CPS	Value	Phase	SSW3 Aluminum CPS	Value	Phase	SSW4 Aluminum CPS	Value
Master		6977	Master		10160	Master		4265
5800 (Minimum) 8000 (Nominal) 9300 (Maximum)			8300 (Minimum) 11600 (Nominal) 13500 (Maximum)			3500 (Minimum) 5000 (Nominal) 5800 (Maximum)		
Phase	SSW5 Aluminum CPS	Value						
Master		578.6						
470.0 (Minimum) 660.0 (Nominal) 770.0 (Maximum)								
Master: 8-Aug-2005 7:18								

Hostile Litho-Density Sonde Master Calibration								
Detector Litholog Measurement (bkgd-subtracted)								
Phase	LSW1 Iron CPS	Value	Phase	LSW2 Iron CPS	Value	Phase	LSW3 Iron CPS	Value
Master		371.2	Master		670.4	Master		911.2

290.0 (Minimum) 400.0 (Nominal) 470.0 (Maximum)			520.0 (Minimum) 730.0 (Nominal) 850.0 (Maximum)			720.0 (Minimum) 1000 (Nominal) 1160 (Maximum)		
Phase	LSW4 Iron CPS	Value	Phase	LSW5 Iron CPS	Value	Phase	SSW1 Iron CPS	Value
Master		473.6	Master		442.6	Master		1806
	370.0 (Minimum) 520.0 (Nominal) 600.0 (Maximum)			340.0 (Minimum) 470.0 (Nominal) 550.0 (Maximum)			1500 (Minimum) 2100 (Nominal) 2400 (Maximum)	
Phase	SSW2 Iron CPS	Value	Phase	SSW3 Iron CPS	Value	Phase	SSW4 Iron CPS	Value
Master		5840	Master		9264	Master		3901
	4900 (Minimum) 6800 (Nominal) 7900 (Maximum)			7800 (Minimum) 10800 (Nominal) 12600 (Maximum)			3300 (Minimum) 4600 (Nominal) 5400 (Maximum)	
Phase	SSW5 Iron CPS	Value						
Master		507.2						
	420.0 (Minimum) 580.0 (Nominal) 680.0 (Maximum)							
Master: 8-Aug-2005 7:13								

Hostile Litho-Density Sonde Master Calibration								
Quality Ratios								
Phase	AL CALIBRATION RATIO 1	Value	Phase	AL CALIBRATION RATIO 2	Value	Phase	AL CALIBRATION RATIO 3	Value
Master		1.043	Master		2.098	Master		0.5474
	0.9000 (Minimum) 1.000 (Nominal) 1.100 (Maximum)			1.900 (Minimum) 2.100 (Nominal) 2.300 (Maximum)			0.4500 (Minimum) 0.5500 (Nominal) 0.6500 (Maximum)	
Phase	AL CALIBRATION RATIO 4	Value	Phase	Pad-Wear SS Ratio	Value	Phase	Pad-Wear LS Ratio	Value
Master		0.4982	Master		0.9898	Master		0.9886
	0.4000 (Minimum) 0.5500 (Nominal) 0.6500 (Maximum)			0.9800 (Minimum) 0.9880 (Nominal) 0.9960 (Maximum)			0.9800 (Minimum) 0.9880 (Nominal) 0.9960 (Maximum)	
Phase	Pad-Position SS Ratio	Value	Phase	Pad-Position LS Ratio	Value			
Master		1.002	Master		0.9860			
	0.9900 (Minimum) 0.9940 (Nominal) 1.015 (Maximum)			0.9850 (Minimum) 0.9940 (Nominal) 1.010 (Maximum)				
Master: 8-Aug-2005 7:08								

Litho-Density Spectroscopy Cartridge - A / Equipment Identification			
Primary Equipment:	LDSC Cartridge	LDSC - A	16
Auxiliary Equipment:	LDSC Housing	LDSH - A	52

Accelerator-Porosity Tool / Equipment Identification			
Primary Equipment:	Accelerator-Porosity Sonde	APS - C	202
	APS Minitron	MNTR - F	5124
Auxiliary Equipment:	Accelerator-Porosity Housing	APH - AC	104
	APS Calibration Water Tank	SFT - 178	6250
	APS Aluminum Calibrator Sleeve	SFT - 281	6250

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		25.36	Master		26.40	Master		27.15
Before		25.48	Before		25.95	Before		27.16
After		23.91	After		25.89	After		27.81
	1.000 (Minimum) 30.00 (Nominal) 50.00 (Maximum)			1.000 (Minimum) 30.00 (Nominal) 50.00 (Maximum)			1.000 (Minimum) 30.00 (Nominal) 50.00 (Maximum)	
Phase	Array-2 Det Bkg Cntrate CPS	Value	Phase	Array Therm Det Bkg Cntrate CPS	Value			
Master		26.59	Master		26.22			
Before		26.06	Before		27.76			

After		27.08	After		25.18
1.000 (Minimum)	30.00 (Nominal)	50.00 (Maximum)	1.000 (Minimum)	30.00 (Nominal)	50.00 (Maximum)
Master: 14-Aug-2005 23:57		Before: 21-Sep-2005 14:37		After: 30-Sep-2005 17:12	

Accelerator-Porosity Tool Wellsite Calibration											
Calibration Ratios											
Phase	Near/Far Calibration Ratio		Value	Phase	Near/Array Calibration Ratio		Value	Phase	Near/Array Cal Ratio Up/Down		Value
Master			0.9630	Master			0.9878	Master			1.011
	0.8000 (Minimum)	0.9250 (Nominal)	1.050 (Maximum)		0.9000 (Minimum)	1.030 (Nominal)	1.170 (Maximum)		0.9700 (Minimum)	1.000 (Nominal)	1.030 (Maximum)
Master: 14-Aug-2005 23:57											

Accelerator-Porosity Tool Wellsite Calibration													
Tank Check													
Phase	Array-1 Standoff Porosity PU			Value	Phase	Array-2 Standoff Porosity PU			Value	Phase	Average Slowing Down Time US		Value
Master				12.31	Master				11.98	Master			5.772
	9.900 (Minimum)	11.75 (Nominal)	13.60 (Maximum)			9.900 (Minimum)	11.75 (Nominal)	13.60 (Maximum)			5.500 (Minimum)	6.000 (Nominal)	6.250 (Maximum)
Phase	Array-1 SDT Ratio Up/Down			Value	Phase	Array-2 SDT Ratio Up/Down			Value	Phase	Sigma Formation CU		Value
Master				1.001	Master				0.9963	Master			27.56
	0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)			0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)			20.00 (Minimum)	27.50 (Nominal)	35.00 (Maximum)
Master: 14-Aug-2005 23:57													

Accelerator-Porosity Tool Master Calibration											
Detector Calibration											
Phase	Near/Far Calibration Ratio		Value	Phase	Near/Array Calibration Ratio		Value	Phase	Near/Array Cal Ratio Up/Down		Value
Master			0.9630	Master			0.9878	Master			1.011
	0.8000 (Minimum)	0.9250 (Nominal)	1.050 (Maximum)		0.9000 (Minimum)	1.030 (Nominal)	1.170 (Maximum)		0.9700 (Minimum)	1.000 (Nominal)	1.030 (Maximum)
Master: 14-Aug-2005 23:57											

Accelerator-Porosity Tool Master Calibration													
Tank Check													
Phase	Array-1 Standoff Porosity PU			Value	Phase	Array-2 Standoff Porosity PU			Value	Phase	Average Slowing Down Time US		Value
Master				12.31	Master				11.98	Master			5.772
	9.900 (Minimum)	11.75 (Nominal)	13.60 (Maximum)			9.900 (Minimum)	11.75 (Nominal)	13.60 (Maximum)			5.500 (Minimum)	6.000 (Nominal)	6.250 (Maximum)
Phase	Array-1 SDT Ratio Up/Down			Value	Phase	Array-2 SDT Ratio Up/Down			Value	Phase	Sigma Formation CU		Value
Master				1.001	Master				0.9963	Master			27.56
	0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)			0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)			20.00 (Minimum)	27.50 (Nominal)	35.00 (Maximum)
Master: 14-Aug-2005 23:57													

Hostile Natural Gamma Ray Cartridge - B / Equipment Identification		
Primary Equipment:	HNGC Cartridge	HNGC - B 300
Auxiliary Equipment:	HNGC Housing	HNGH - A 115

Hostile Natural Gamma Ray Sonde / Equipment Identification		
Primary Equipment:	HNGS Sonde	HNGS - BA 194
Auxiliary Equipment:	HNGS Sonde Housing	HNSH - BA 205
	Gamma Source Radioactive	GSR - U 135

Hostile Natural Gamma Ray Sonde Wellsite Calibration		
Detector 1 Check		

Na 511 Peak Loc			Na 511 Peak Res %			High Voltage V		
Phase		Value	Phase		Value	Phase		Value
Master		39.55	Master		16.41	Master		1122
Before		39.73	Before		15.03	Before		1093
After		39.54	After		16.10	After		1092
	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)	
Na 1785 Peak Loc			Na 1785 Peak Res %			Temperature DEGC		
Master		142.5	Master		9.106	Master		34.58
Before		142.9	Before		7.652	Before		20.94
After		142.9	After		7.826	After		18.97
	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)	
Na Count Rate CPS								
Master		47.00						
Before		46.36						
After		45.14						
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							
Master: 19-Aug-2005 13:45			Before: 21-Sep-2005 14:13			After: 30-Sep-2005 17:12		

Hostile Natural Gamma Ray Sonde Wellsite Calibration								
Detector 2 Check								
Na 511 Peak Loc			Na 511 Peak Res %			High Voltage V		
Phase		Value	Phase		Value	Phase		Value
Master		39.60	Master		16.71	Master		1200
Before		39.66	Before		14.86	Before		1169
After		39.63	After		15.17	After		1167
	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)	
Na 1785 Peak Loc			Na 1785 Peak Res %			Temperature DEGC		
Master		142.6	Master		8.264	Master		33.67
Before		142.3	Before		8.291	Before		19.78
After		142.3	After		8.664	After		18.93
	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)	
Na Count Rate CPS								
Master		46.77						
Before		46.71						
After		45.62						
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							
Master: 19-Aug-2005 13:45			Before: 21-Sep-2005 14:13			After: 30-Sep-2005 17:12		

Hostile Natural Gamma Ray Sonde Wellsite Calibration		
Ratio Of Detector 1 To Detector 2		
Phase	Coincidence Count Rate Ratio	Value
Master		1.005
Before		0.9949
After		0.9871
	0.9500 (Minimum) 1.000 (Nominal) 1.050 (Maximum)	
Master: 19-Aug-2005 13:45		
Before: 21-Sep-2005 14:13		
After: 30-Sep-2005 17:12		

Hostile Natural Gamma Ray Sonde Master Calibration								
Detector 1 Calibration								
Na 511 Peak Set Point		Value	Th Peak Loc		Value	Th Peak Res %		Value
Master		41.00	Master		209.4	Master		7.421

Background Count Rate CPS			Gain Ratio			Th Peak Res %		
(Minimum)	(Nominal)	(Maximum)	(Minimum)	(Nominal)	(Maximum)	(Minimum)	(Nominal)	(Maximum)
38.00	40.00	42.00	201.0	209.6	218.3	5.000	7.000	9.000
Phase	Background Count Rate CPS		Value	Phase	Gain Ratio		Value	
Master			22.21	Master			1.007	
	20.00 (Minimum)	142.5 (Nominal)	265.0 (Maximum)		0.9400 (Minimum)	1.000 (Nominal)	1.060 (Maximum)	

Master: 19-Aug-2005 13:45

Hostile Natural Gamma Ray Sonde Master Calibration										
Detector 2 Calibration										
Na 511 Peak Set Point			Th Peak Loc			Th Peak Res %				
(Minimum)	(Nominal)	(Maximum)	(Minimum)	(Nominal)	(Maximum)	(Minimum)	(Nominal)	(Maximum)		
38.00	40.00	42.00	201.0	209.6	218.3	5.000	7.000	9.000		
Phase	Na 511 Peak Set Point		Value	Phase	Th Peak Loc		Value	Phase	Th Peak Res %	
Master			41.00	Master			209.7	Master		
	20.00 (Minimum)	142.5 (Nominal)	265.0 (Maximum)		0.9400 (Minimum)	1.000 (Nominal)	1.060 (Maximum)			

Master: 19-Aug-2005 13:45

Company: Lamont Doherty

Schlumberger

Well: IODP EXP 311 Site U1329D

Field: CAS-05D

Country: Canada

Ocean: Pacific

Phasor Induction