

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: DITE/HLDS
 OS2: FMS/DSI
 OS3: HNGS
 OS4: GBM
 OS5:

OTHER SERVICES2
 OS1:
 OS2:
 OS3:
 OS4:
 OS5:

REMARKS: RUN NUMBER 1
 Depths originally recorded from drill floor as main depth reference. Log files were played back with offset of -1514m to force sea floor as the new reference. This log references seafloor at 0m. Td of hole at 183m (driller), 181m (log). Tools run inside drill pipe and drill collars 9 7/8" bs. Bit released prior to logging. Active Heave Compensator used on all logs. ILE inline eccentralizer run for APS to eccentralize it against borehole. Gpit run with tool for AHC testing.

REMARKS: RUN NUMBER 2

RUN 1

SERVICE ORDER #: _____
 PROGRAM VERSION: 17C0-154
 FLUID LEVEL: _____

LOGGED INTERVAL	START	STOP

RUN 2

SERVICE ORDER #: _____
 PROGRAM VERSION: _____
 FLUID LEVEL: _____

LOGGED INTERVAL	START	STOP




EQUIPMENT DESCRIPTION

RUN 1

SURFACE EQUIPMENT

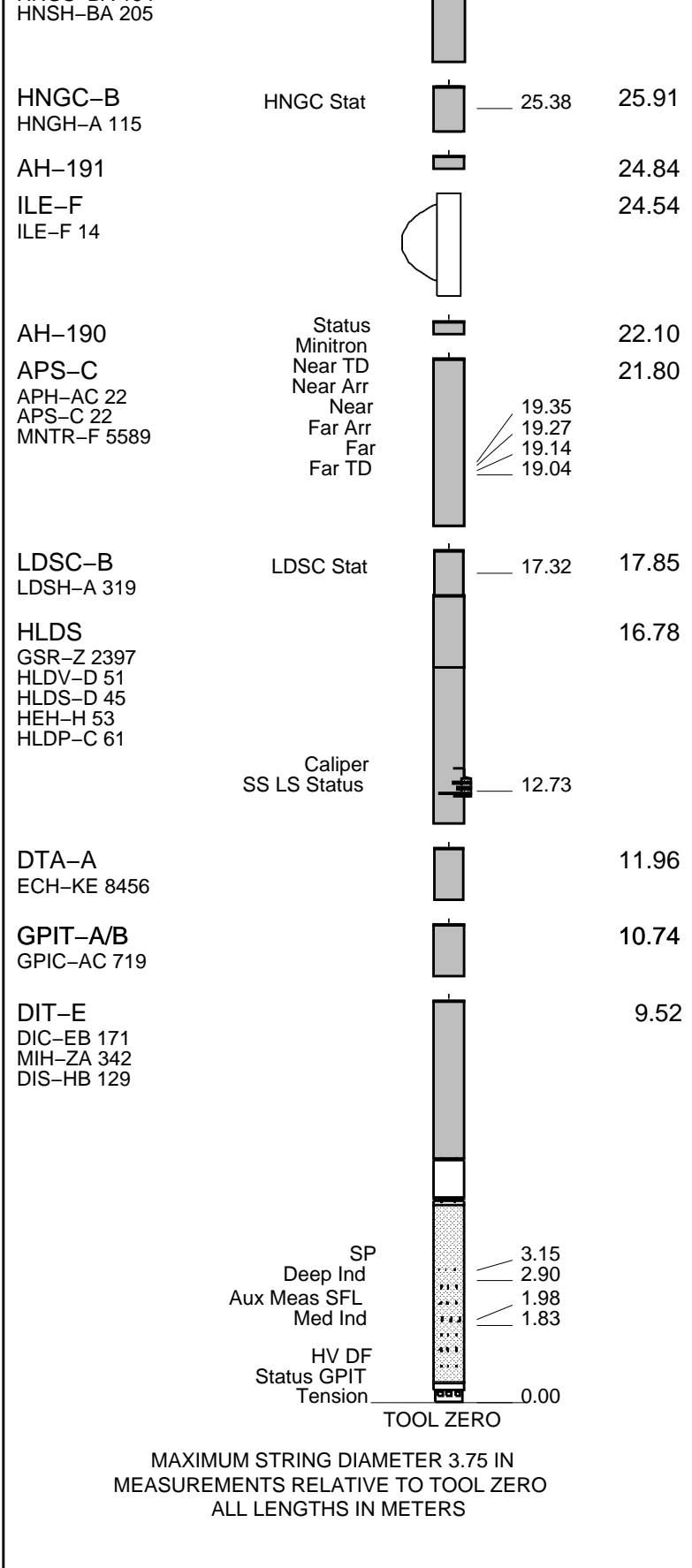
SFT-281 1
 SFT-178 1
 GSR-U 616008
 WITM (DTS)-A

DOWNHOLE EQUIPMENT

LEH-QT		30.21
LEH-QT 301		
DTC-H		29.32
ECH-KC 1777		
HNGS-BA		28.41
HNGS-BA 194		

CTEM 29.04
 TelStatus
 ToolStatu 28.41
 Upper_1 27.71
 Lower_2 27.50

RUN 2



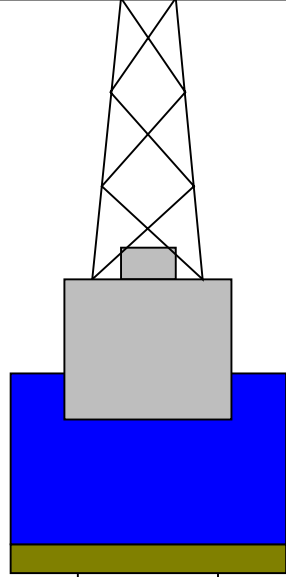
Production String	(in)	(M)	Well Schematic	(M)	(in)	Casing String
	OD	ID		MD	MD	

Kelly Bushing Elevation
Derrick Floor Elevation

Mean Sea Level

-1514
-1514

-1508



4.1



0
80

182

4.1
9.875

Sea Floor
Open Hole

Total Depth

Input DLIS Files

DEFAULT	PI_LDL_APS_NGS_035PUP	FN:51	PRODUCER	03-Feb-2011 08:57	1696.2 M	1584.8 M
---------	-----------------------	-------	----------	-------------------	----------	----------

Output DLIS Files

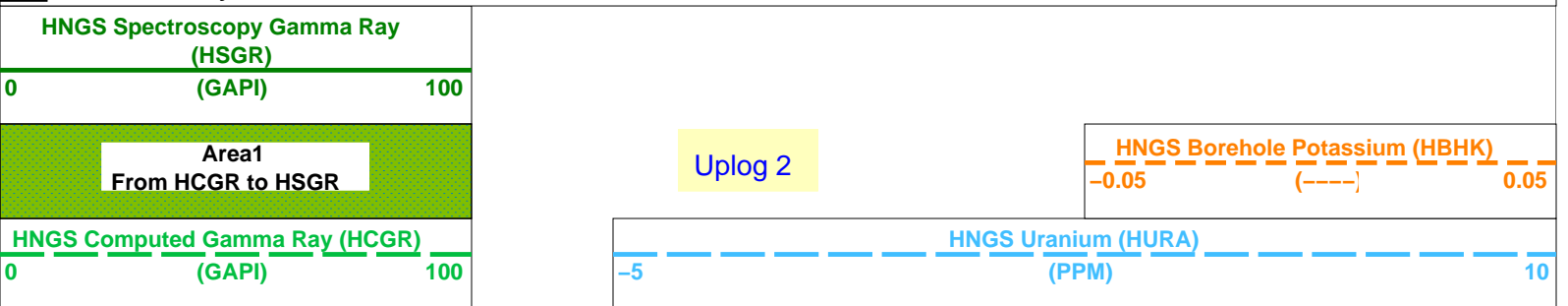
DEFAULT	PI_LDL_APS_NGS_045PUP	FN:3	PRODUCER	11-Feb-2011 11:04	182.9 M	70.9 M
---------	-----------------------	------	----------	-------------------	---------	--------

OP System Version: 17C0-154

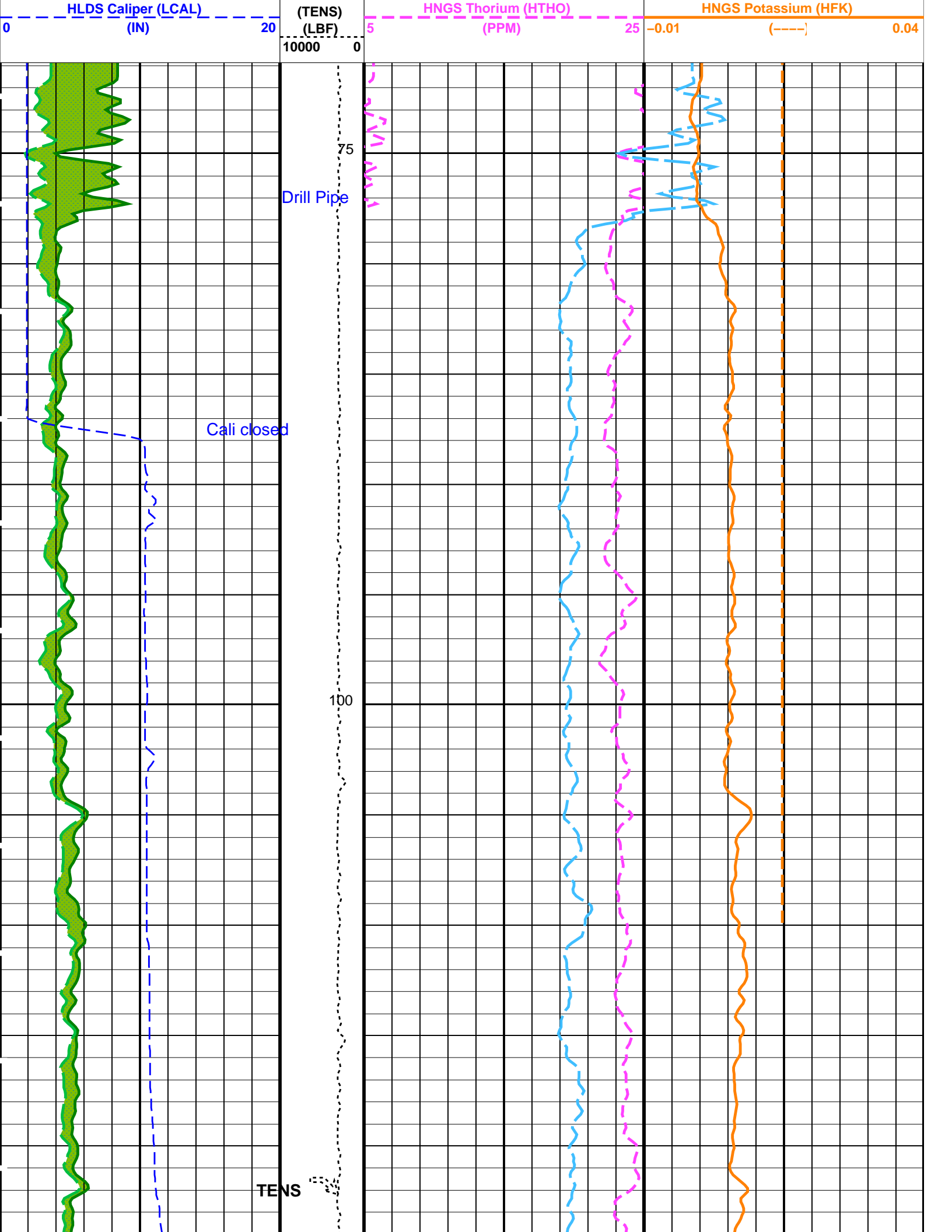
DIT-E	17C0-154	GPIT-A/B	SRPC-3971-Q1_2010_OP17
DTA-A	17C0-154	HLDS	SPC-3961-OP17_NUCL
LDSC-B	SPC-3961-OP17_NUCL	APS-C	SPC-3961-OP17_NUCL
HNGC-B	SPC-3961-OP17_NUCL	HNGS-BA	SPC-3961-OP17_NUCL
DTC-H	17C0-154		

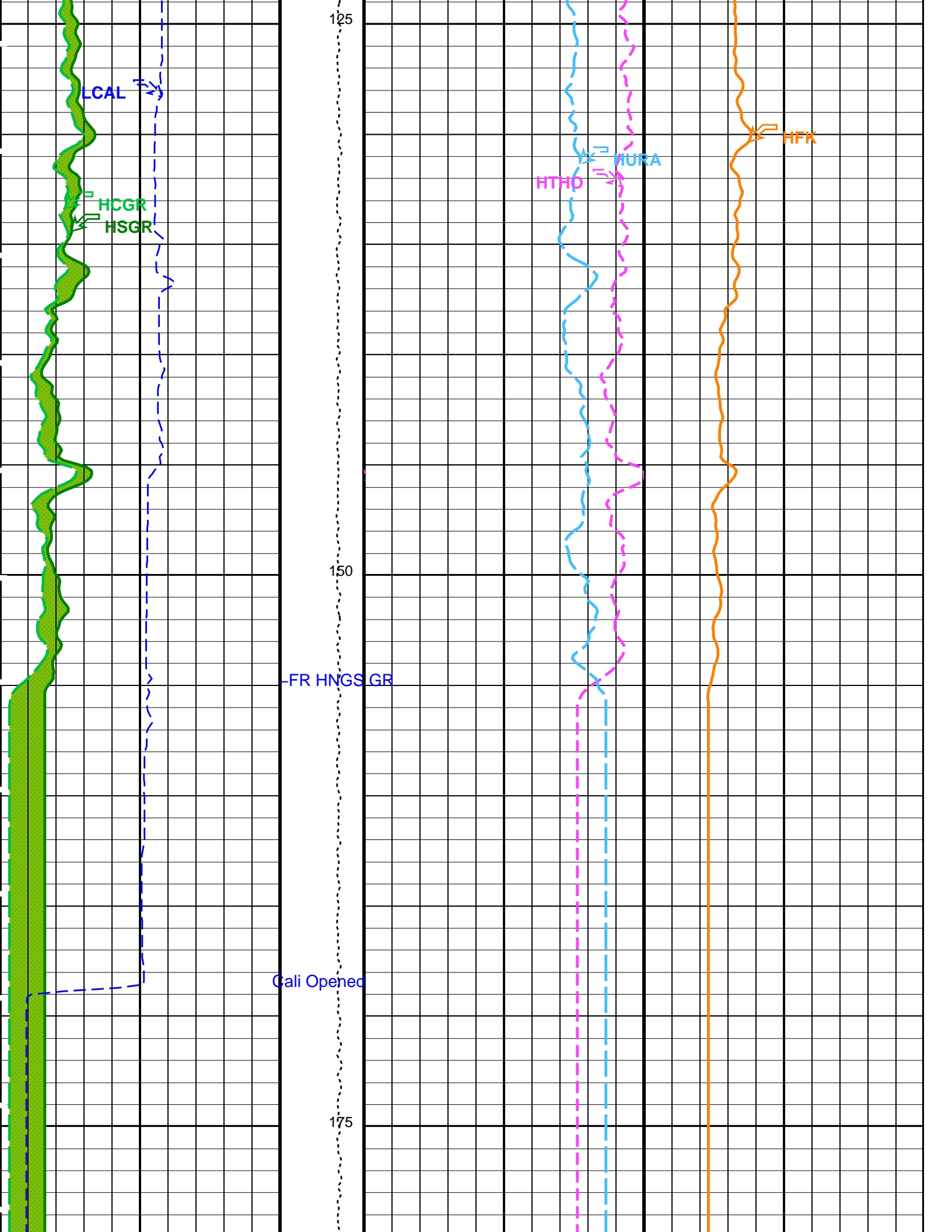
PIP SUMMARY

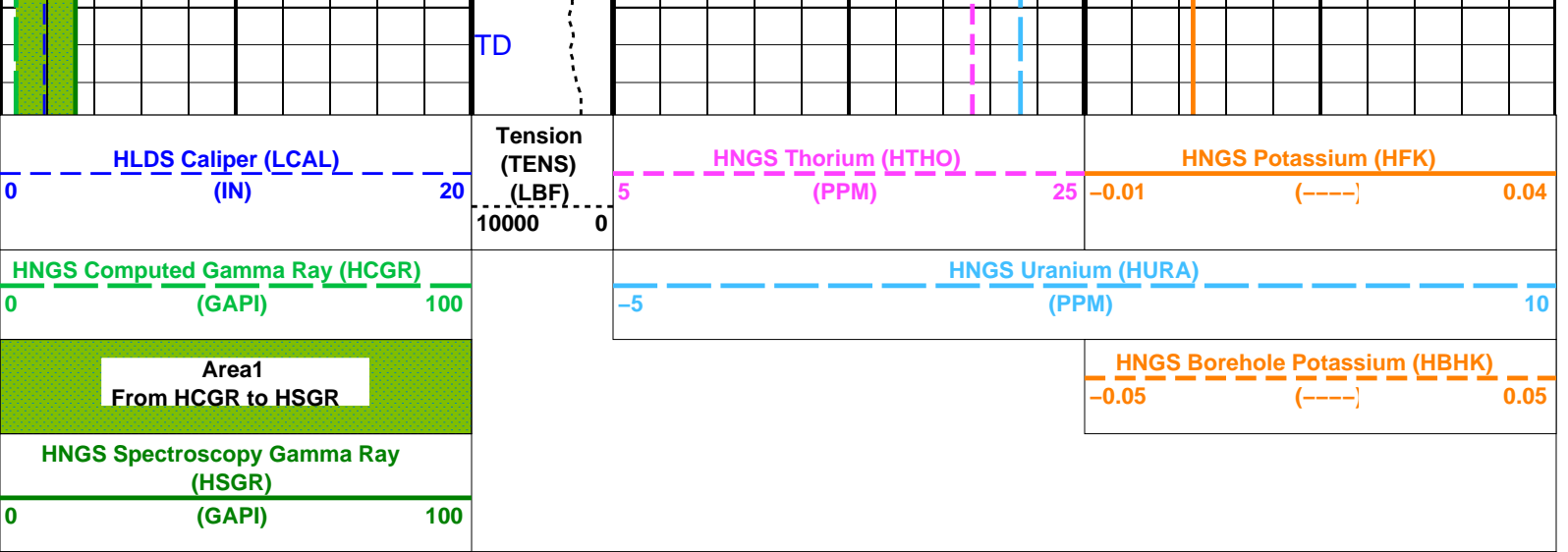
Time Mark Every 60 S



Tension







PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	DIT-E: Dual Induction - E		
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	BS	
	APS-C: Accelerator-Porosity Tool		
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	BS	
	HNCS-BA: Hostile Natural Gamma Ray Sonde		
BAR1	HNCS Detector 1 Barite Constant	1	
BAR2	HNCS Detector 2 Barite Constant	1	
BHK	HNCS Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
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	HNCS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	BS	
H1P	HNCS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNCS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNCS Borehole Potassium Running Average	-0.00533577	
HALF	HNCS Alpha Filter Length	60	IN
HCRB	HNCS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNCS Processing Enable	YES	
S1BI	HNCS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNCS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNCS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	ECCE	
VBA1	HNCS Detector 1 Variable Barite Factor Running Average	0.615824	
VBA2	HNCS Detector 2 Variable Barite Factor Running Average	1.20133	
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	-1514.0	M
PP	Playback Processing	NORMAL	

Format: HNGSYields Vertical Scale: 1:200

Graphics File Created: 11-Feb-2011 11:04

OP System Version: 17C0-154

DIT-E	17C0-154	GPIT-A/B	SRPC-3971-Q1_2010_OP17
DTA-A	17C0-154	HLDS	SPC-3961-OP17_NUCL
LDSC-B	SPC-3961-OP17_NUCL	APS-C	SPC-3961-OP17_NUCL
HNGC-B	SPC-3961-OP17_NUCL	HNCS-BA	SPC-3961-OP17_NUCL
DTC-H	17C0-154		

Input DLIS Files

DEFAULT	PI_LDL_APS_NGS_035PUP	FN:51	PRODUCER	03-Feb-2011 08:57	1696.2 M	1584.8 M
---------	-----------------------	-------	----------	-------------------	----------	----------

Output DLIS Files

DEFAULT PI_LDL_APS_NGS_045PUP FN:3 PRODUCER 11-Feb-2011 11:04

Input DLIS Files

DEFAULT PI_LDL_APS_NGS_034PUP FN:50 PRODUCER 03-Feb-2011 08:52 1696.2 M 1502.5 M

Output DLIS Files

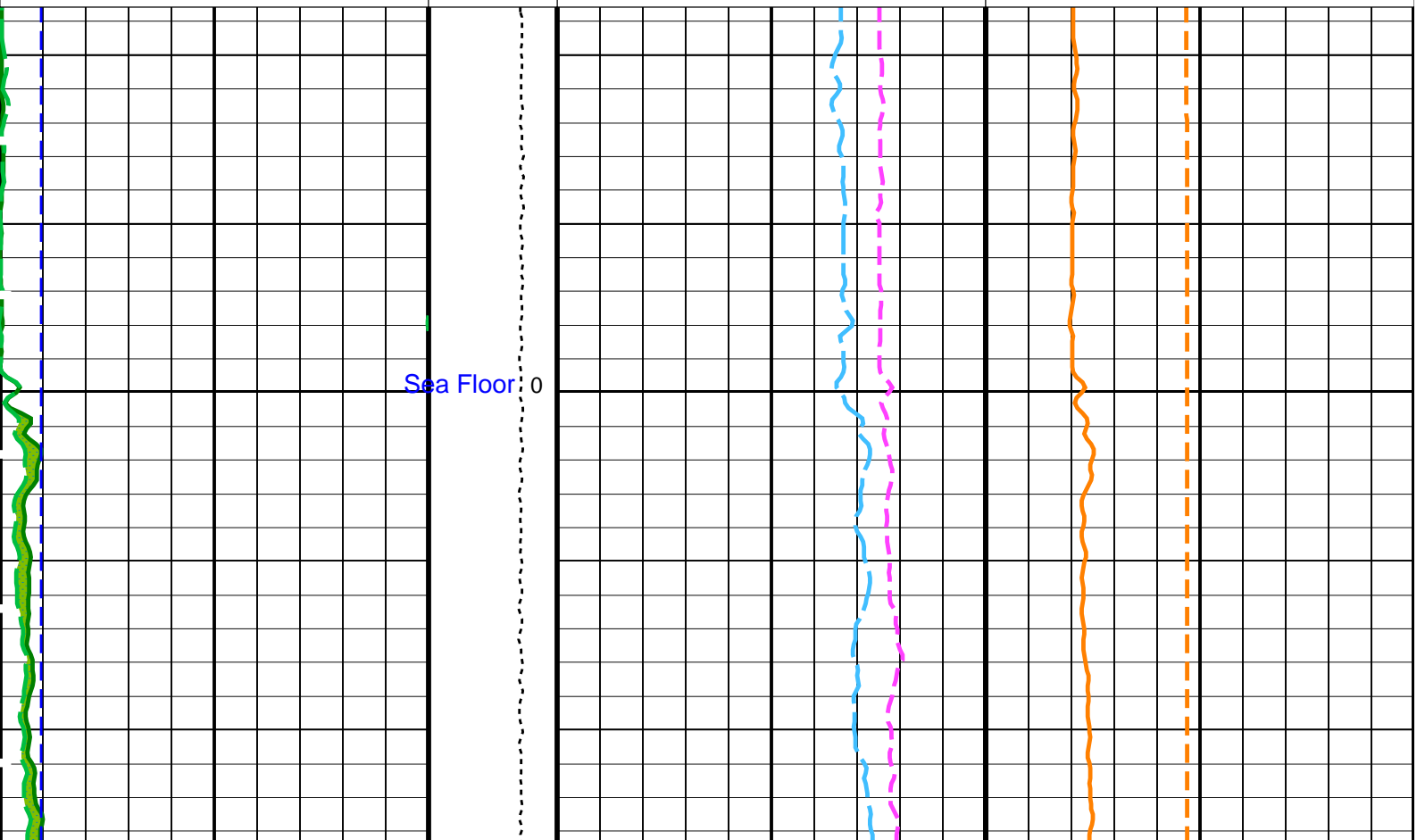
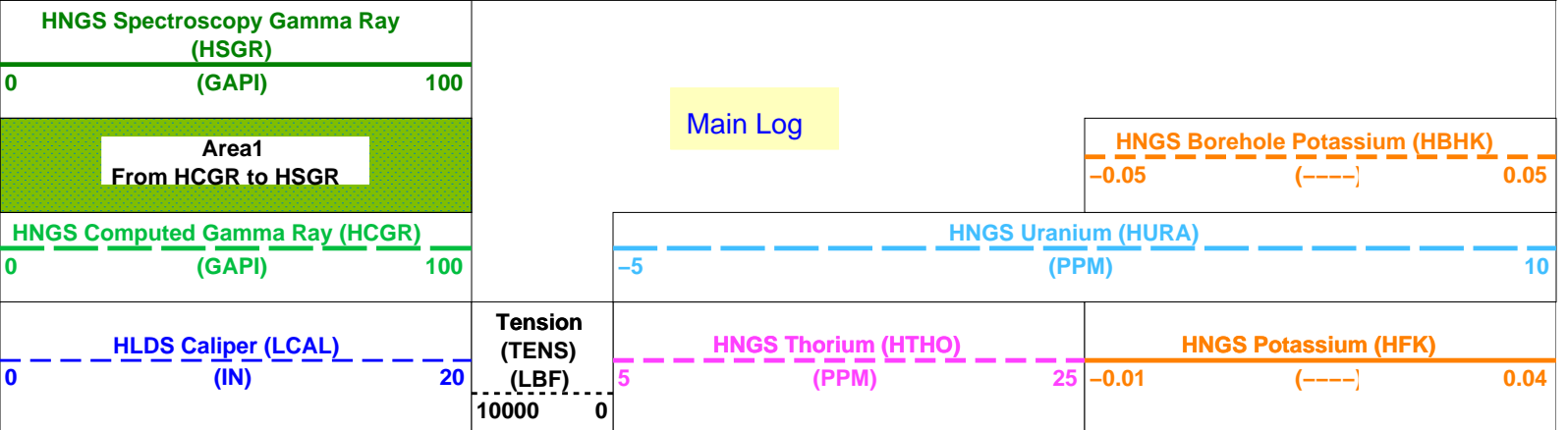
DEFAULT PI_LDL_APS_NGS_044PUP FN:2 PRODUCER 11-Feb-2011 10:53 182.9 M -11.4 M

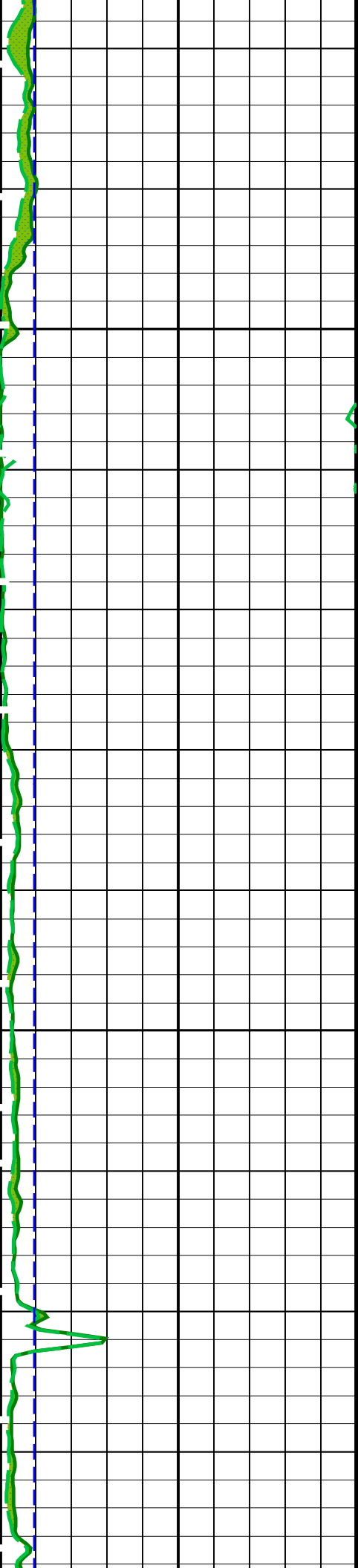
OP System Version: 17C0-154

DIT-E	17C0-154	GPIT-A/B	SRPC-3971-Q1_2010_OP17
DTA-A	17C0-154	HLDS	SPC-3961-OP17_NUCL
LDSC-B	SPC-3961-OP17_NUCL	APS-C	SPC-3961-OP17_NUCL
HNGC-B	SPC-3961-OP17_NUCL	HNGS-BA	SPC-3961-OP17_NUCL
DTC-H	17C0-154		

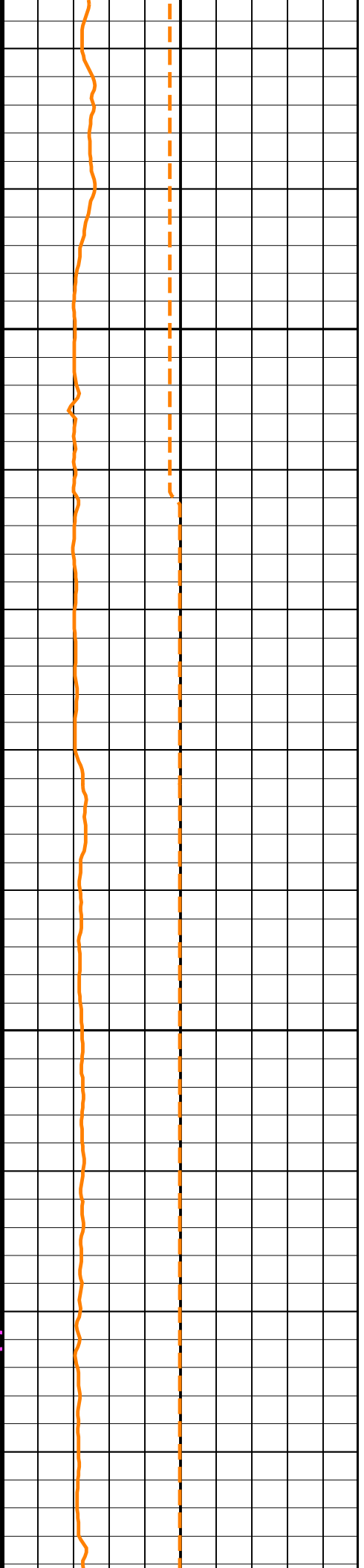
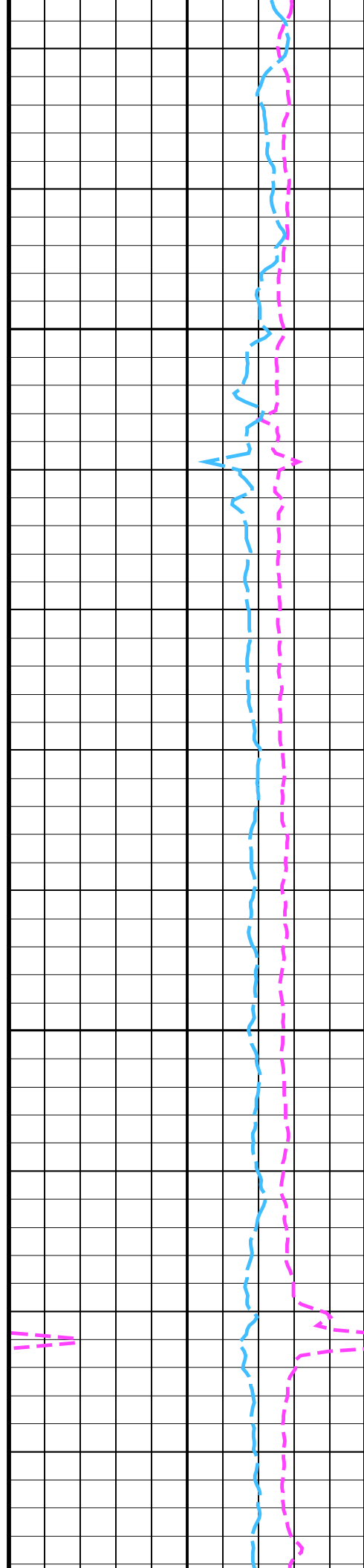
PIP SUMMARY

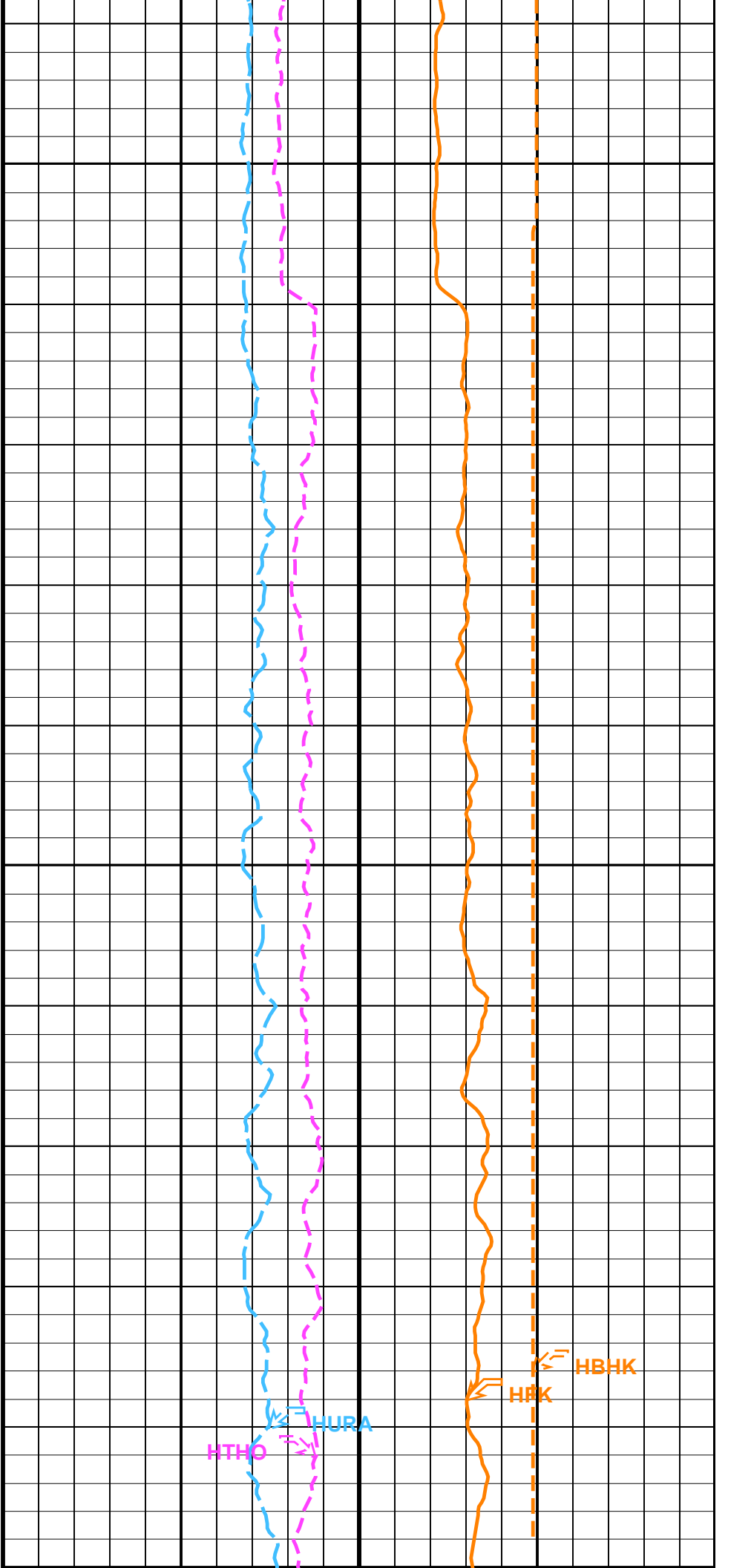
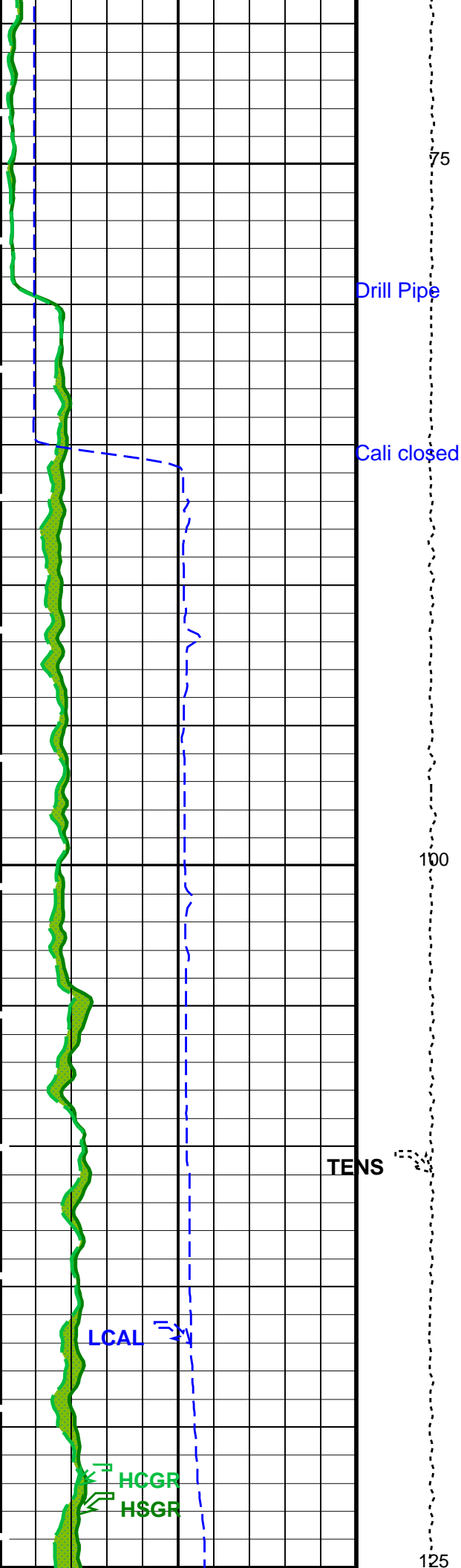
Time Mark Every 60 S

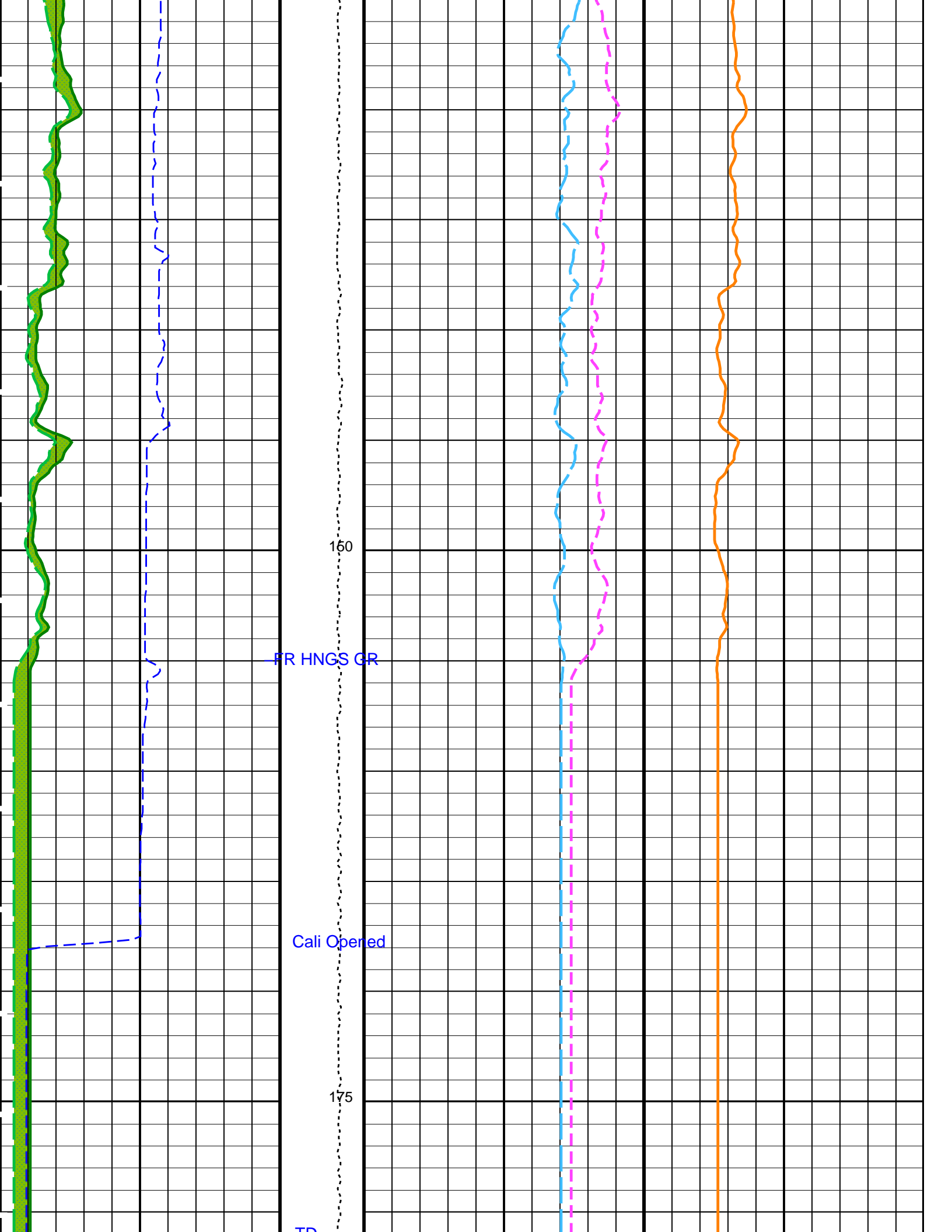


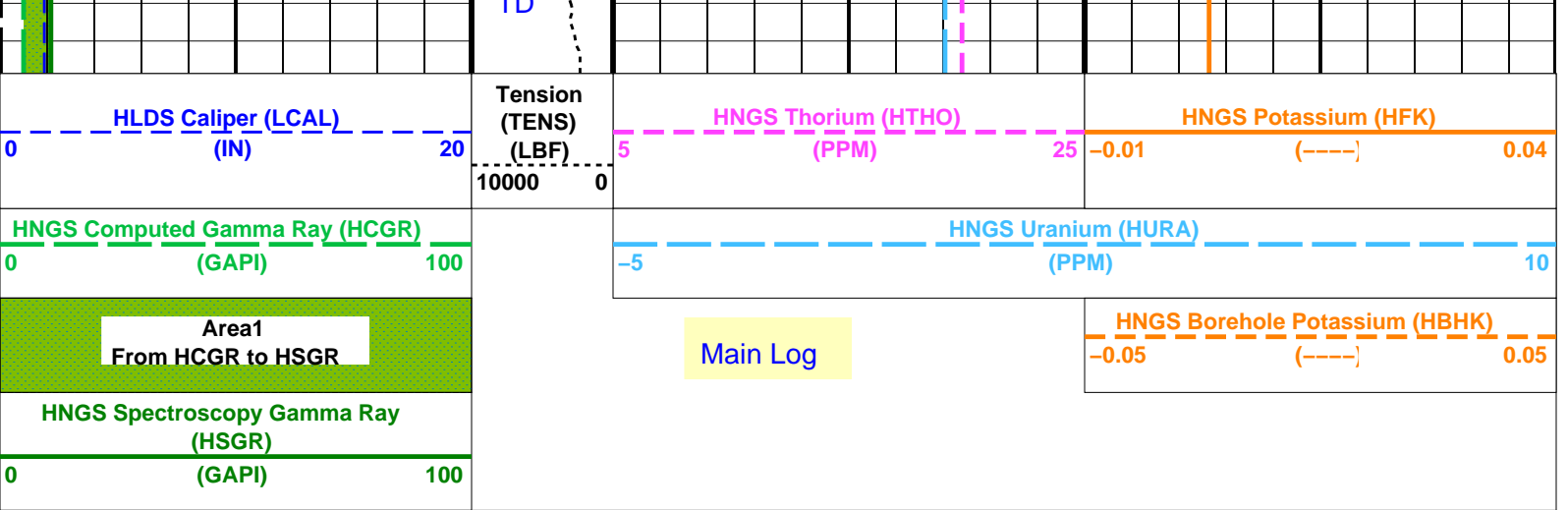


25
50









PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DIT-E: Dual Induction - E		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	BS
APS-C: Accelerator-Porosity Tool		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	BS
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
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	BS
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW
HABK	HNGS Borehole Potassium Running Average	-0.00533577
HALF	HNGS Alpha Filter Length	60 IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE
HMWM	Mud Weighting Material	NATU
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
TPOS	Tool Position	ECCE
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.615824
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.20133
System and Miscellaneous		
BS	Bit Size	9.875 IN
DFD	Drilling Fluid Density	1.26 G/C3
DO	Depth Offset for Playback	-1514.0 M
PP	Playback Processing	NORMAL

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 11-Feb-2011 10:53

OP System Version: 17C0-154

DIT-E	17C0-154	GPIT-A/B	SRPC-3971-Q1_2010_OP17
DTA-A	17C0-154	HLDS	SPC-3961-OP17_NUCL
LDSC-B	SPC-3961-OP17_NUCL	APS-C	SPC-3961-OP17_NUCL
HNGC-B	SPC-3961-OP17_NUCL	HNGS-BA	SPC-3961-OP17_NUCL
DTC-H	17C0-154		

Input DLIS Files

DEFAULT PI_LDL_APS_NGS_034PUP FN:50 PRODUCER 03-Feb-2011 08:52 1696.2 M 1502.5 M

Output DLIS Files

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
General Purpose Inclinometer Wellsite Calibration – CROUZET ACCELEROMETER PROM HAS BEEN READ CORRECTLY							
Before: 3-Feb-2011 0:31							
TEMPERATURE REFERENCE :	N/A	N/A	20	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	99	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	3	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	743	N/A	N/A	N/A	
General Purpose Inclinometer Wellsite Calibration – CROUZET MAGNETOMETER PROM HAS BEEN READ CORRECTLY							
Before: 3-Feb-2011 0:31							
TEMPERATURE REFERENCE :	N/A	N/A	23	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	3	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	9	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	507	N/A	N/A	N/A	
Hostile Litho-Density Sonde Wellsite Calibration – Background Measurement							
Master: 11-Dec-2010 5:21 Before: 25-Dec-2010 6:05 After: 2-Feb-2011 15:05							
SS Cs Resolution Bkg	9.000	8.370	8.517	8.404	-0.1129	1.800	%
LS Cs Resolution Bkg	9.000	8.635	8.619	8.560	-0.05935	1.800	%
LSW1 Background	100.0	72.88	72.56	71.75	-0.8128	0.03000	CPS
LSW2 Background	100.0	66.98	66.25	66.82	0.5712	0.03000	CPS
LSW3 Background	200.0	151.3	148.8	149.9	1.100	0.03000	CPS
LSW4 Background	250.0	184.5	182.4	181.1	-1.232	0.03000	CPS
LSW5 Background	600.0	415.6	412.8	413.4	0.5532	0.03000	CPS
SSW1 Background	100.0	72.08	71.78	70.44	-1.344	0.03000	CPS
SSW2 Background	200.0	125.4	126.6	123.6	-2.988	0.03000	CPS
SSW3 Background	500.0	334.7	333.8	332.4	-1.364	0.03000	CPS
SSW4 Background	270.0	178.2	178.2	177.3	-0.8834	0.03000	CPS
SSW5 Background	200.0	127.8	127.9	127.9	0.03127	0.03000	CPS
Hostile Litho-Density Sonde Wellsite Calibration – Aluminum Measurement							
Master: 11-Dec-2010 5:21							
LSW1 Aluminum	600.0	532.4	N/A	N/A	N/A	N/A	CPS
LSW2 Aluminum	900.0	783.1	N/A	N/A	N/A	N/A	CPS
LSW3 Aluminum	1100	957.6	N/A	N/A	N/A	N/A	CPS
LSW4 Aluminum	580.0	481.5	N/A	N/A	N/A	N/A	CPS
LSW5 Aluminum	570.0	443.6	N/A	N/A	N/A	N/A	CPS
SSW1 Aluminum	2800	2267	N/A	N/A	N/A	N/A	CPS
SSW2 Aluminum	8000	6468	N/A	N/A	N/A	N/A	CPS
SSW3 Aluminum	11600	9431	N/A	N/A	N/A	N/A	CPS
SSW4 Aluminum	5000	3976	N/A	N/A	N/A	N/A	CPS
SSW5 Aluminum	660.0	532.8	N/A	N/A	N/A	N/A	CPS
Hostile Litho-Density Sonde Wellsite Calibration – Lithology Measurement							
Master: 11-Dec-2010 5:21							
LSW1 Iron	400.0	362.4	N/A	N/A	N/A	N/A	CPS
LSW2 Iron	730.0	636.5	N/A	N/A	N/A	N/A	CPS
LSW3 Iron	1000	851.8	N/A	N/A	N/A	N/A	CPS
LSW4 Iron	520.0	439.8	N/A	N/A	N/A	N/A	CPS
LSW5 Iron	470.0	412.4	N/A	N/A	N/A	N/A	CPS
SSW1 Iron	2100	1712	N/A	N/A	N/A	N/A	CPS
SSW2 Iron	6800	5497	N/A	N/A	N/A	N/A	CPS
SSW3 Iron	10800	8763	N/A	N/A	N/A	N/A	CPS
SSW4 Iron	4600	3715	N/A	N/A	N/A	N/A	CPS
SSW5 Iron	580.0	488.7	N/A	N/A	N/A	N/A	CPS
Hostile Litho-Density Sonde Wellsite Calibration – Caliper Calibration							
Before: 25-Dec-2010 5:54							
HLDS Caliper Small Ring	11.88	N/A	13.51	N/A	N/A	N/A	IN
HLDS Caliper Large Ring	15.19	N/A	17.01	N/A	N/A	N/A	IN
Accelerator-Porosity Tool Wellsite Calibration – Detector Background							
Master: 11-Dec-2010 9:00 Before: 20-Jan-2011 17:41 After: 2-Feb-2011 15:08							
Near Det Bkg Cntrate	30.00	32.95	32.44	31.02	-1.418	N/A	CPS
Far Det Bkg Cntrate	30.00	32.12	33.19	32.77	-0.4173	N/A	CPS
Array-1 Det Bkg Cntrate	30.00	29.56	29.36	28.36	-1.001	N/A	CPS
Array-2 Det Bkg Cntrate	30.00	29.68	29.66	29.28	-0.3837	N/A	CPS
Array Therm Det Bkg Cntrate	30.00	31.39	34.13	31.14	-2.992	N/A	CPS
Accelerator-Porosity Tool Wellsite Calibration – Calibration Ratios							
Master: 11-Dec-2010 9:00							

Near/Far Calibration Ratio	0.9250	0.8904	N/A	N/A	N/A	N/A	N/A
Near/Array Calibration Ratio	1.030	1.060	N/A	N/A	N/A	N/A	N/A
Near/Array Cal Ratio Up/Down	1.000	0.9962	N/A	N/A	N/A	N/A	N/A
Accelerator-Porosity Tool Wellsite Calibration – Tank Check							
Master: 11-Dec-2010 9:00							
Array-1 Standoff Porosity	11.75	12.03	N/A	N/A	N/A	N/A	PU
Array-2 Standoff Porosity	11.75	11.87	N/A	N/A	N/A	N/A	PU
Average Slowing Down Time	6.000	5.811	N/A	N/A	N/A	N/A	US
Array-1 SDT Ratio Up/Down	1.000	1.003	N/A	N/A	N/A	N/A	
Array-2 SDT Ratio Up/Down	1.000	0.9944	N/A	N/A	N/A	N/A	
Sigma Formation	27.50	28.18	N/A	N/A	N/A	N/A	CU
Accelerator-Porosity Tool Wellsite Calibration – CCR7 signal boxes							
Master: 11-Dec-2010 8:15							
Near Detector Plateau Setting	1650	1734	N/A	N/A	N/A	N/A	V
Far Detector Plateau Setting	2000	2080	N/A	N/A	N/A	N/A	V
Array Detector Plateau Setting	2000	1968	N/A	N/A	N/A	N/A	V
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 1 Check							
Master: 10-Dec-2010 8:35 Before: 25-Dec-2010 5:54 After: 2-Feb-2011 15:09							
Na 511 Peak Loc	40.00	39.66	39.55	39.53	-0.02015	1.000	
Na 511 Peak Res	15.50	14.96	16.05	15.46	-0.5849	2.000	%
High Voltage	1150	1187	1209	1178	-31.17	N/A	V
Na 1785 Peak Loc	142.6	141.8	142.2	141.9	-0.2488	7.000	
Na 1785 Peak Res	8.500	8.530	9.021	8.136	-0.8855	2.000	%
Temperature	15.50	25.35	34.71	28.92	-5.789	N/A	DEGC
Na Count Rate	45.00	27.13	26.60	24.90	-1.701	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 2 Check							
Master: 10-Dec-2010 8:35 Before: 25-Dec-2010 5:54 After: 2-Feb-2011 15:09							
Na 511 Peak Loc	40.00	39.72	39.62	39.77	0.1445	1.000	
Na 511 Peak Res	15.50	15.09	16.03	15.50	-0.5293	2.000	%
High Voltage	1150	1099	1119	1109	-9.944	N/A	V
Na 1785 Peak Loc	142.6	142.5	141.3	142.1	0.8279	7.000	
Na 1785 Peak Res	8.500	8.852	9.212	7.977	-1.235	2.000	%
Temperature	15.50	25.94	35.42	30.69	-4.729	N/A	DEGC
Na Count Rate	45.00	27.08	26.72	24.88	-1.836	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Ratio Of Detector 1 To Detector 2							
Master: 10-Dec-2010 8:35 Before: 25-Dec-2010 5:54 After: 2-Feb-2011 15:09							
Coincidence Count Rate Ratio	1.000	1.001	0.9966	1.001	0.004621	0.05000	
Hostile Natural Gamma Ray Sonde Master Calibration – Detector 1 Calibration							
Master: 10-Dec-2010 8:35							
Na 511 Peak Set Point	40.00	41.00	---	---	---	---	
Th Peak Loc	209.6	210.6	---	---	---	---	
Th Peak Res	7.000	7.309	---	---	---	---	%
Background Count Rate	142.5	19.80	---	---	---	---	CPS
Gain Ratio	1.000	1.011	---	---	---	---	
Hostile Natural Gamma Ray Sonde Master Calibration – Detector 2 Calibration							
Master: 10-Dec-2010 8:35							
Na 511 Peak Set Point	40.00	41.00	---	---	---	---	
Th Peak Loc	209.6	208.6	---	---	---	---	
Th Peak Res	7.000	6.652	---	---	---	---	%
Background Count Rate	142.5	20.42	---	---	---	---	CPS
Gain Ratio	1.000	0.9993	---	---	---	---	

Accelerator-Porosity Tool – Detector Plateau Settings :

Near Detector Plateau Setting 1734 V
 Far Detector Plateau Setting 2080 V
 Array Detector Plateau Setting 1968 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

General Purpose Inclinometer / Equipment Identification

Primary Equipment:			
GPIT Cartridge – AC	GPIC – AC		719
Auxiliary Equipment:			
GPIT Housing	GPIH – A		2864

Hostile Litho–Density Sonde / Equipment Identification

Primary Equipment:			
Hostile Litho Density Sonde	HLDS – D		45
Hostile Litho Density High Voltage	HLDV – D		51
Gamma Source Radioactive	GSR – Z		2397
Auxiliary Equipment:			
Hostile Litho Density Pad	HLDP – C		61
Hostile Litho Density High Voltage Housi	HEH – H		53

Litho–Density Spectroscopy Cartridge – B / Equipment Identification

Primary Equipment:			
LDSC Cartridge	LDSC – B		521
Auxiliary Equipment:			
LDSC Housing	LDSH – A		319

Accelerator–Porosity Tool / Equipment Identification

Primary Equipment:			
Accelerator–Porosity Sonde	APS – C		22
APS Minitron	MNTR – F		5589
Auxiliary Equipment:			
Accelerator–Porosity Housing	APH – AC		22
APS Calibration Water Tank	SFT – 178		1
APS Aluminum Calibrator Sleeve	SFT – 281		1

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		616008

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		39.66	Master		14.96	Master		1187
Before		39.55	Before		16.05	Before		1209
After		39.53	After		15.46	After		1178

Phase	Na 1785 Peak Loc	Value	Phase	Na 1785 Peak Res %	Value	Phase	Temperature DEGC	Value
Master		141.8	Master		8.530	Master		25.35
Before		142.2	Before		9.021	Before		34.71
After		141.9	After		8.136	After		28.92
135.0 (Minimum) 142.6 (Nominal) 150.3 (Maximum)			7.000 (Minimum) 8.500 (Nominal) 11.000 (Maximum)			-28.89 (Minimum) 15.50 (Nominal) 60.00 (Maximum)		
Phase	Na Count Rate CPS	Value						
Master		27.13						
Before		26.60						
After		24.90						
10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)								
Master: 10-Dec-2010 8:35			Before: 25-Dec-2010 5:54			After: 2-Feb-2011 15:09		






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		39.72	Master		15.09	Master		1099
Before		39.62	Before		16.03	Before		1119
After		39.77	After		15.50	After		1109
37.50 (Minimum) 40.00 (Nominal) 43.50 (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		142.5	Master		8.852	Master		25.94
Before		141.3	Before		9.212	Before		35.42
After		142.1	After		7.977	After		30.69
135.0 (Minimum) 142.6 (Nominal) 150.3 (Maximum)			7.000 (Minimum) 8.500 (Nominal) 11.000 (Maximum)			-28.89 (Minimum) 15.50 (Nominal) 60.00 (Maximum)		
Phase	Na Count Rate CPS	Value						
Master		27.08						
Before		26.72						
After		24.88						
10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)								
Master: 10-Dec-2010 8:35			Before: 25-Dec-2010 5:54			After: 2-Feb-2011 15:09		

Hostile Natural Gamma Ray Sonde Wellsite Calibration		
Ratio Of Detector 1 To Detector 2		
Phase	Coincidence Count Rate Ratio	Value
Master		1.001
Before		0.9966
After		1.001
0.9500 (Minimum) 1.000 (Nominal) 1.050 (Maximum)		
Master: 10-Dec-2010 8:35		
Before: 25-Dec-2010 5:54		
After: 2-Feb-2011 15:09		

Hostile Natural Gamma Ray Sonde Master Calibration								
Detector 1 Calibration								
Phase	Na 511 Peak Set Point	Value	Phase	Th Peak Loc	Value	Phase	Th Peak Res %	Value
Master		41.00	Master		210.6	Master		7.309
38.00 (Minimum) 40.00 (Nominal) 43.00 (Maximum)			201.0 (Minimum) 209.6 (Nominal) 218.3 (Maximum)			5.000 (Minimum) 7.000 (Nominal) 9.000 (Maximum)		
Phase	Background Count Rate CPS	Value	Phase	Gain Ratio	Value			
Master		19.80	Master		1.011			
10.00 142.5 265.0			0.9400 1.000 1.060					

Hostile Natural Gamma Ray Sonde Master Calibration

Detector 2 Calibration

Phase	Na 511 Peak Set Point	Value	Phase	Th Peak Loc	Value	Phase	Th Peak Res %	Value	
Master		41.00	Master		208.6	Master		6.652	
	38.00 (Minimum)	40.00 (Nominal)	43.00 (Maximum)	201.0 (Minimum)	209.6 (Nominal)	218.3 (Maximum)	5.000 (Minimum)	7.000 (Nominal)	9.000 (Maximum)
Phase	Background Count Rate CPS	Value	Phase	Gain Ratio	Value				
Master		20.42	Master		0.9993				
	10.00 (Minimum)	142.5 (Nominal)	265.0 (Maximum)	0.9400 (Minimum)	1.000 (Nominal)	1.060 (Maximum)			

DTS Telemetry Tool / Equipment Identification

Primary Equipment:

DTC-H Auxiliary Cartridge	DTCH - A	8799
DTC-H Telemetry Cartridge	DTCH - A	8798

Auxiliary Equipment:

DTCH Telemetry Cartridge Housing	ECH - KC	1777
----------------------------------	----------	------

Company: **Lamont Doherty**



Well: **Expedition 330 Site U1376A**

Field: **Louisville Seamounds**

Rig: **JOIDES Resolution**

Ocean: **Pacific**

HNGS
Natural Gamma Ray
Spectroscopy