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OTHER SERVICES1 OS1: HLDS, APS OS2: DITE OS3: DSI OS4: FMS OS5: EST	OTHER SERVICES2 OS1: OS2: OS3: OS4: OS5:
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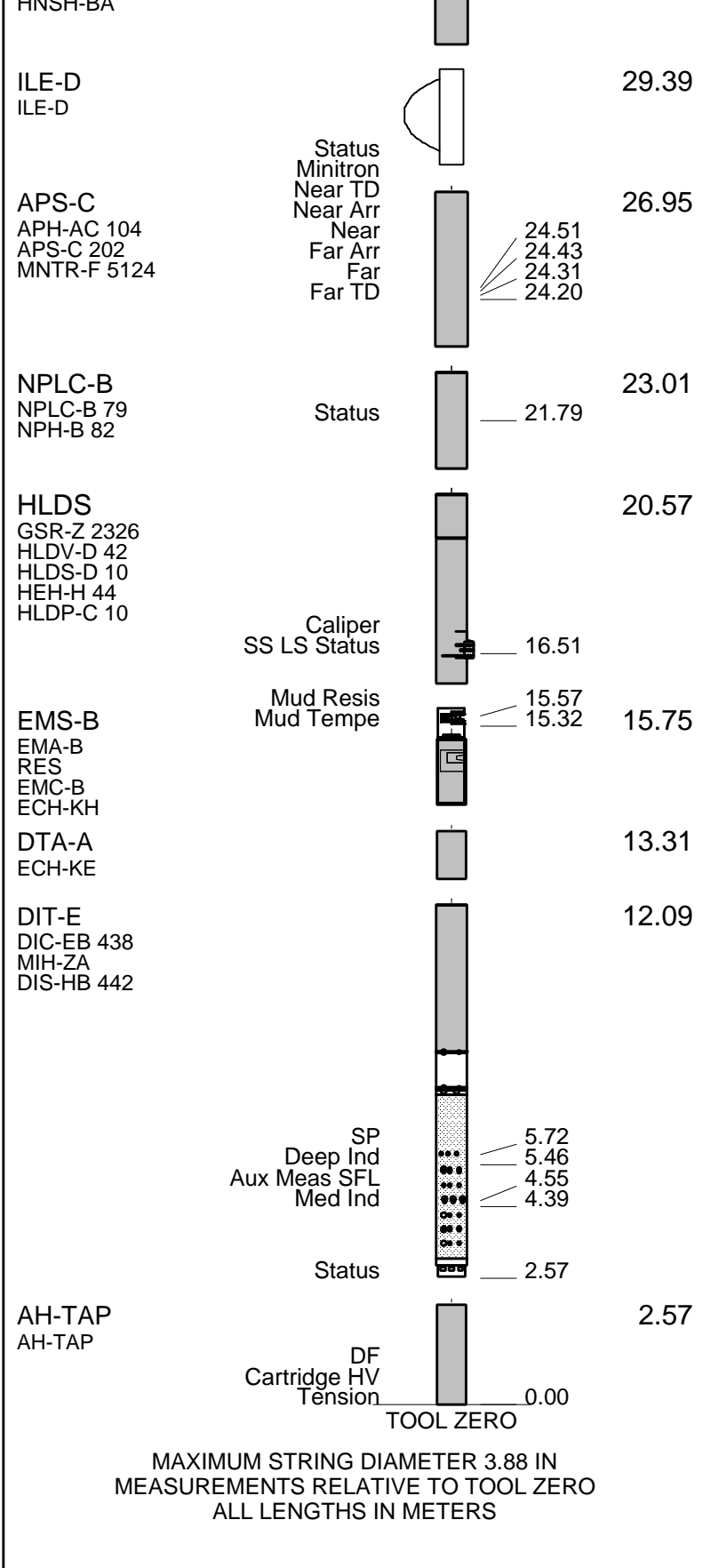
REMARKS: RUN NUMBER 1 Parameters and presentatiosn as per IODP standards Tool ran as per tool sketch below Hole flushed with sepiolite TD not reached due to hole conditions.	REMARKS: RUN NUMBER 2
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RUN 1			RUN 2		
SERVICE ORDER #: PROGRAM VERSION: 12C0-301 FLUID LEVEL:			SERVICE ORDER #: PROGRAM VERSION: FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

**EQUIPMENT DESCRIPTION**

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

<b>DOWNHOLE EQUIPMENT</b>			
LEH-QT		33.70	
LEH-QT			
DTC-H	CTEM	32.53	
ECH-KC	TelStatus	32.81	
	ToolStatu	31.89	
HNGS-BA	Upper_1	31.19	31.89
HNGS-BA 77	Lower_2	30.98	



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

Kelly Bushing Elevation  
Derrick Floor Elevation

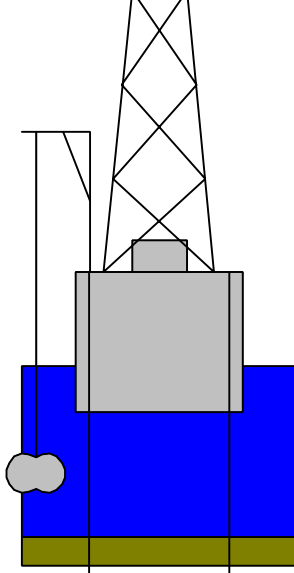
11.3  
11.0

Mean Sea Level

0.0

Seismic Gun depth below MSL

2.0



0.0 5.000

Casing String



805.0 9.875

Borehole Segment

892.0 5.000

Casing Shoe

**Schlumberger**

MAIN PASS

MAXIS Field Log

Company: Lamont Doherty

Well: Expedition 307 Site U1307D

Output DLIS Files

DEFAULT	PI_EMS_LDL_APS_NGS_019LUP	FN:18	PRODUCER	06-May-2005 15:05	1051.6 M	746.6 M
REDUCED	PI_EMS_LDL_APS_NGS_019LUP	FN:19	PRODUCER	06-May-2005 15:05	1051.6 M	746.6 M

OP System Version: 12C0-301

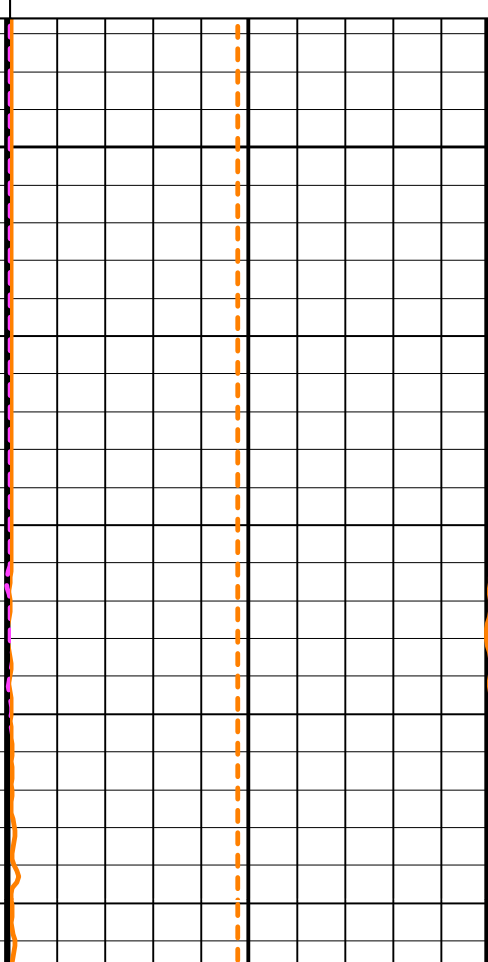
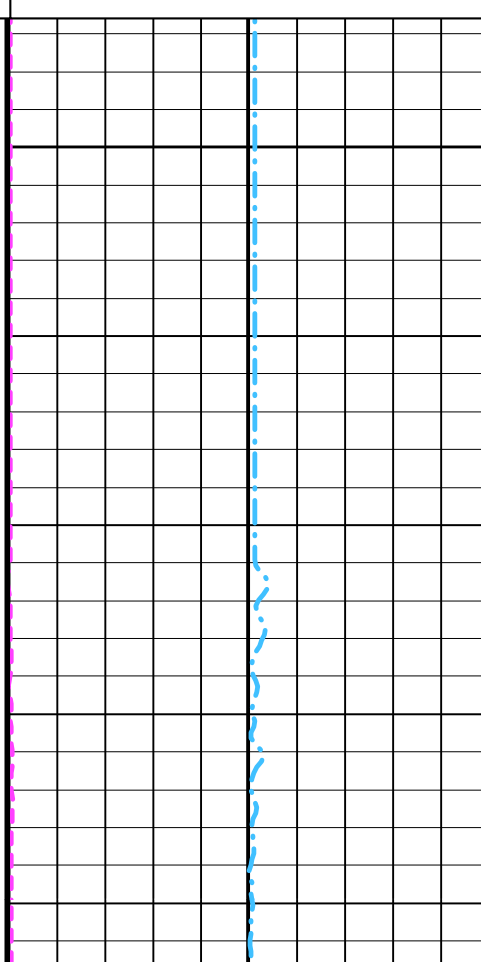
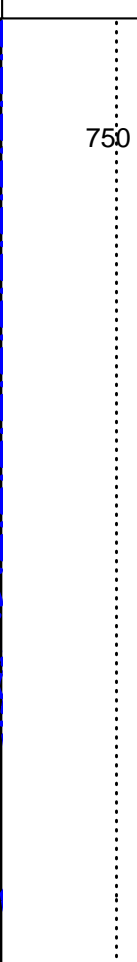
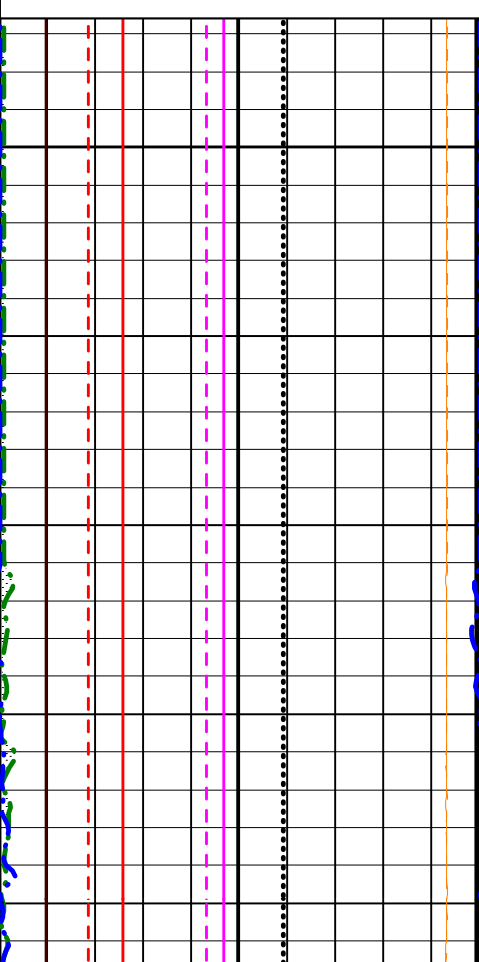
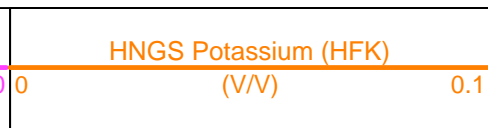
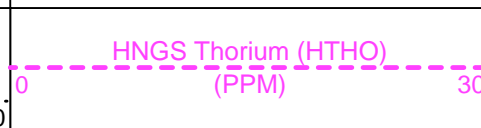
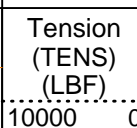
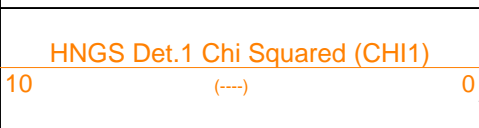
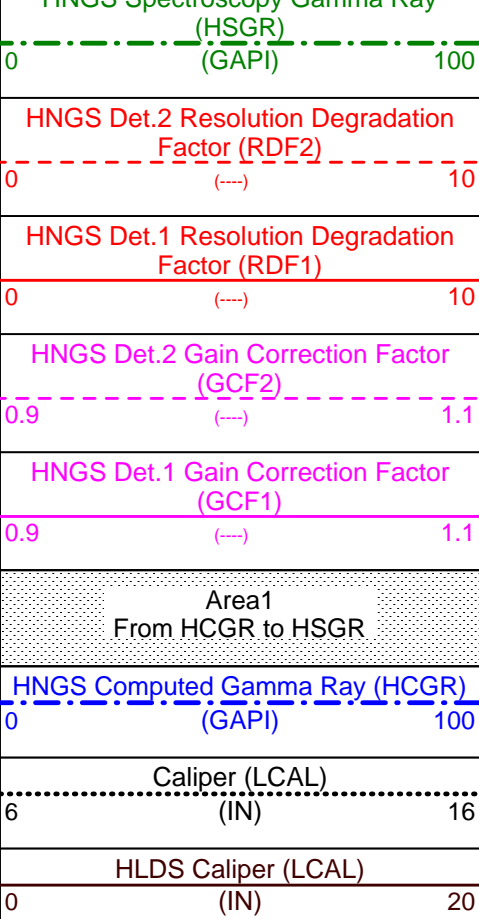
MCM

DIT-E	12C0-301	DTA-A	12C0-301
EMS-B	12C0-301	HLDS	12C0-301
NPLC-B	12C0-301	APS-C	12C0-301
HNGS-BA	12C0-301	DTC-H	12C0-301

PIP SUMMARY

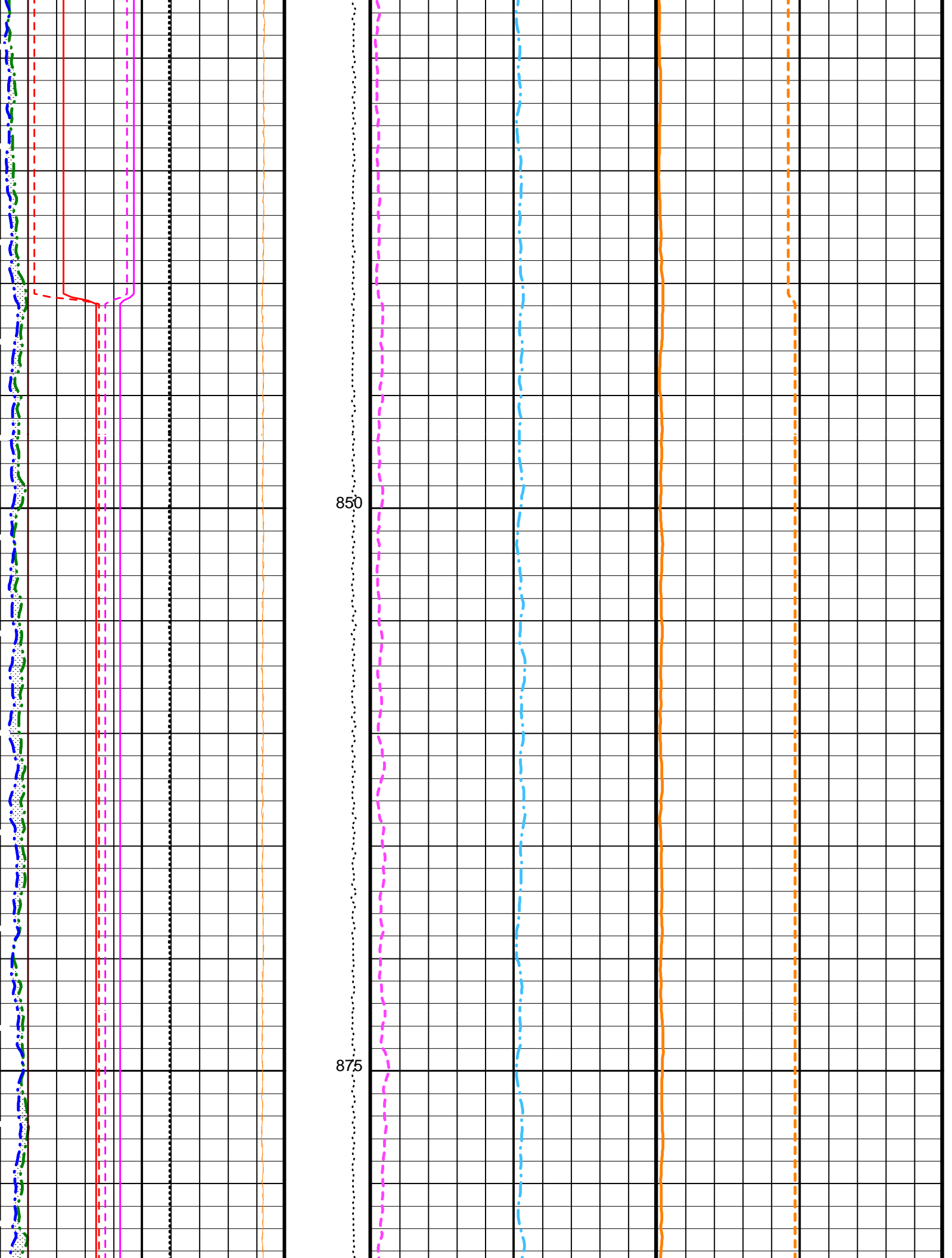
Time Mark Every 60 S

HNGS Spectroscopy Gamma Ray

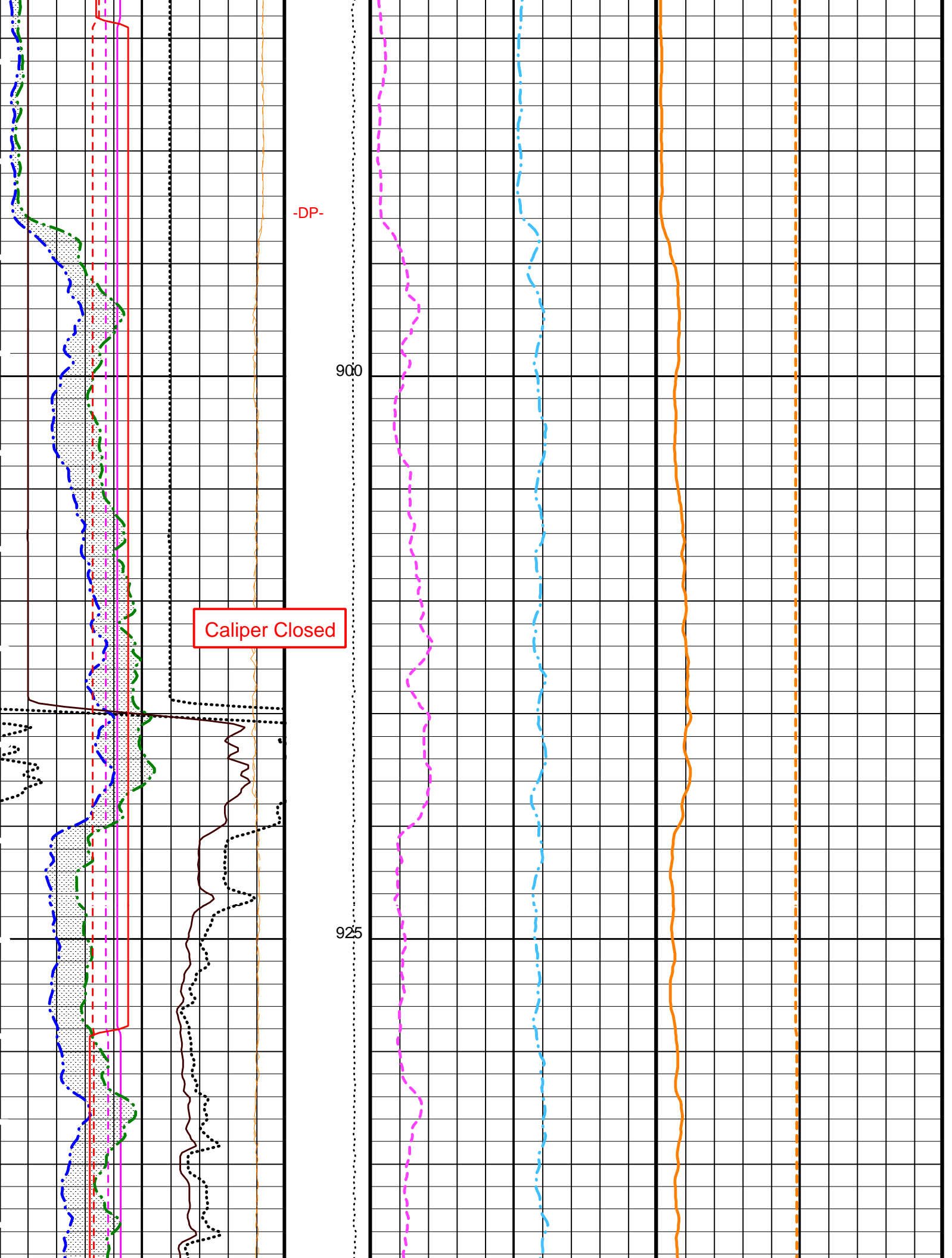


750







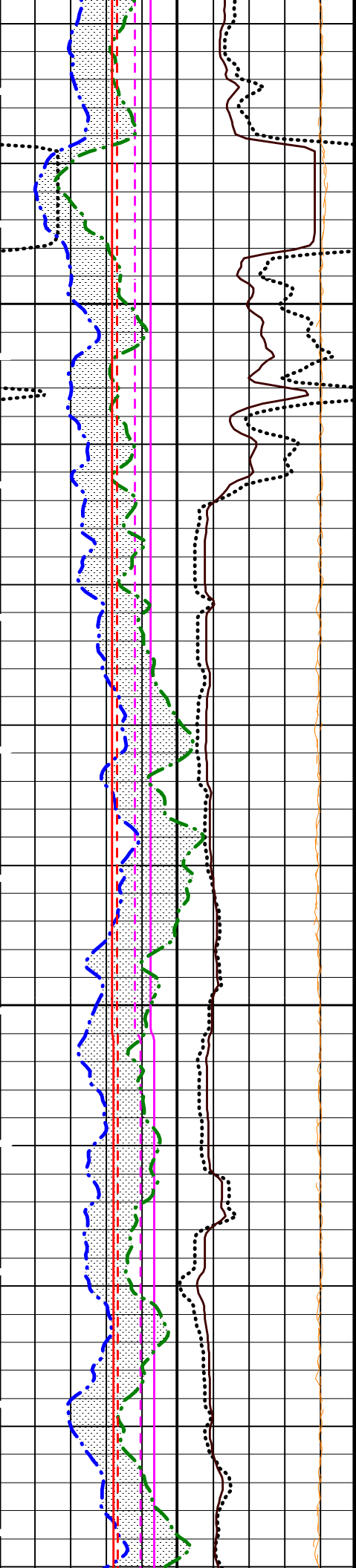


Caliper Closed

-DP-

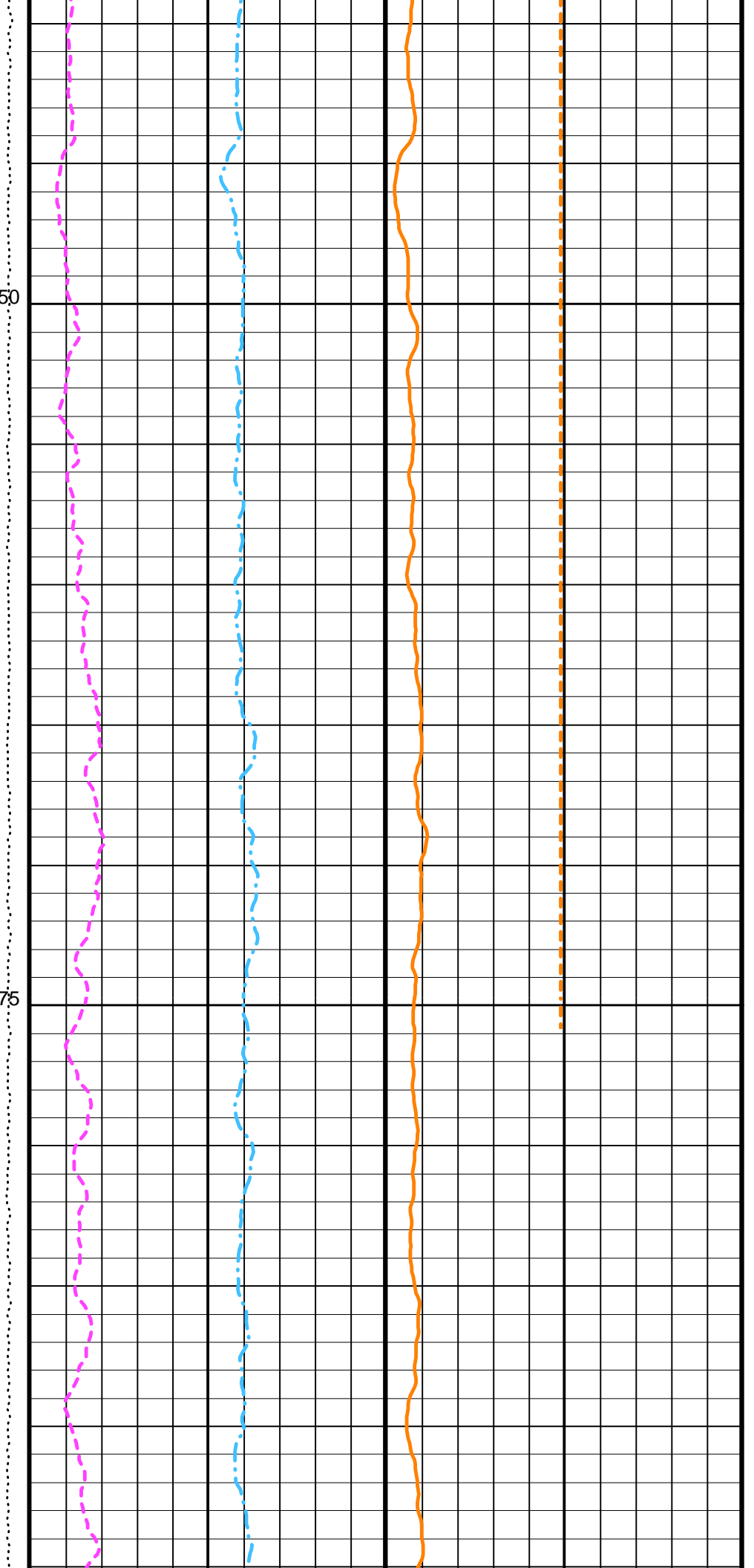
900

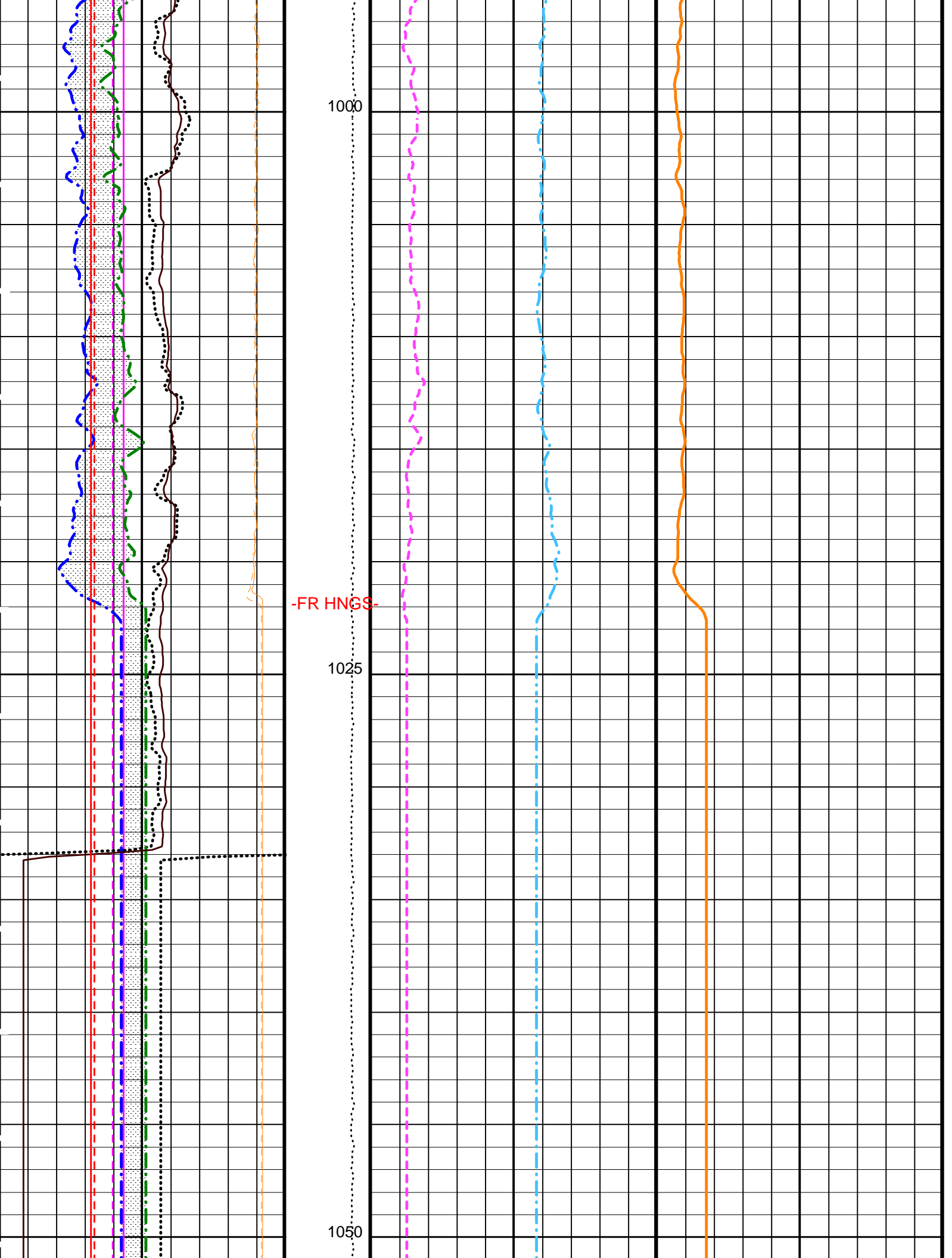
925



950

975





HNGS Det.1 Chi Squared (CHI1) 10 (----) 0	Tension (TENS) (LBF) 10000 0	HNGS Thorium (HTHO) 0 (PPM) 30	HNGS Potassium (HFK) 0 (V/V) 0.1
HNGS Det.2 Chi Squared (CHI2) 10 (----) 0		HNGS Uranium (HURA) -10 (PPM) 30	
HLDS Caliper (LCAL) 0 (IN) 20			HNGS Borehole Potassium (HBHK) -0.05 (V/V) 0.05
Caliper (LCAL) 6 (IN) 16			
HNGS Computed Gamma Ray (HCGR) 0 (GAPI) 100			
Area1 From HCGR to HSGR			
HNGS Det.1 Gain Correction Factor (GCF1) 0.9 (----) 1.1			
HNGS Det.2 Gain Correction Factor (GCF2) 0.9 (----) 1.1			
HNGS Det.1 Resolution Degradation Factor (RDF1) 0 (----) 10			
HNGS Det.2 Resolution Degradation Factor (RDF2) 0 (----) 10			
HNGS Spectroscopy Gamma Ray (HSGR) 0 (GAPI) 100			

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	
	EMS-B: Environment Measurement Sonde		
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	
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	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.07	G/C3

Format: HNGSYields    Vertical Scale: 1:200    Graphics File Created: 06-May-2005 15:05

## OP System Version: 12C0-301 MCM

DIT-E	12C0-301	DTA-A	12C0-301
EMS-B	12C0-301	HLDS	12C0-301
NPLC-B	12C0-301	APS-C	12C0-301
HNGS-BA	12C0-301	DTC-H	12C0-301

## Output DLIS Files

DEFAULT	PI_EMS_LDL_APS_NGS_019LUP	FN:18	PRODUCER	06-May-2005 15:05
REDUCED	PI_EMS_LDL_APS_NGS_019LUP	FN:19	PRODUCER	06-May-2005 15:05



# CALIBRATIONS

## MAXIS Field Log

### Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
<b>Hostile Litho-Density Sonde Wellsite Calibration - Background Measurement</b>							
Master: 13-Apr-2005 14:57    Before: 4-May-2005 10:16							
SS Cs Resolution Bkg	9.000	8.327	8.278	N/A	N/A	1.800	%
LS Cs Resolution Bkg	9.000	8.844	8.838	N/A	N/A	1.800	%
LSW1 Background	100.0	85.93	84.50	N/A	N/A	3.000	CPS
LSW2 Background	100.0	79.37	78.34	N/A	N/A	3.000	CPS
LSW3 Background	200.0	173.9	172.4	N/A	N/A	6.000	CPS
LSW4 Background	250.0	212.7	211.2	N/A	N/A	7.500	CPS
LSW5 Background	600.0	496.4	493.5	N/A	N/A	18.00	CPS
SSW1 Background	100.0	84.01	84.96	N/A	N/A	3.000	CPS
SSW2 Background	200.0	151.0	153.7	N/A	N/A	6.000	CPS
SSW3 Background	500.0	416.8	414.9	N/A	N/A	15.00	CPS
SSW4 Background	270.0	219.0	219.7	N/A	N/A	8.100	CPS
SSW5 Background	200.0	159.0	158.9	N/A	N/A	6.000	CPS
<b>Hostile Litho-Density Sonde Wellsite Calibration - Aluminum Measurement</b>							
Master: 13-Apr-2005 15:41							
LSW1 Aluminum	600.0	631.9	N/A	N/A	N/A	N/A	CPS
LSW2 Aluminum	900.0	923.0	N/A	N/A	N/A	N/A	CPS
LSW3 Aluminum	1100	1128	N/A	N/A	N/A	N/A	CPS
LSW4 Aluminum	580.0	571.2	N/A	N/A	N/A	N/A	CPS
LSW5 Aluminum	570.0	531.9	N/A	N/A	N/A	N/A	CPS
SSW1 Aluminum	2800	3024	N/A	N/A	N/A	N/A	CPS
SSW2 Aluminum	8000	8390	N/A	N/A	N/A	N/A	CPS
SSW3 Aluminum	11600	11660	N/A	N/A	N/A	N/A	CPS
SSW4 Aluminum	5000	4884	N/A	N/A	N/A	N/A	CPS
SSW5 Aluminum	660.0	644.8	N/A	N/A	N/A	N/A	CPS
<b>Hostile Litho-Density Sonde Wellsite Calibration - Lithology Measurement</b>							
Master: 13-Apr-2005 15:35							
LSW1 Iron	400.0	430.0	N/A	N/A	N/A	N/A	CPS

LSW2 Iron	730.0	733.6	N/A	N/A	N/A	N/A	CPS
LSW3 Iron	1000	986.9	N/A	N/A	N/A	N/A	CPS
LSW4 Iron	520.0	515.9	N/A	N/A	N/A	N/A	CPS
LSW5 Iron	470.0	489.1	N/A	N/A	N/A	N/A	CPS
SSW1 Iron	2100	2212	N/A	N/A	N/A	N/A	CPS
SSW2 Iron	6800	6952	N/A	N/A	N/A	N/A	CPS
SSW3 Iron	10800	10570	N/A	N/A	N/A	N/A	CPS
SSW4 Iron	4600	4424	N/A	N/A	N/A	N/A	CPS
SSW5 Iron	580.0	563.2	N/A	N/A	N/A	N/A	CPS

Hostile Litho-Density Sonde Wellsite Calibration - Caliper Calibration

Before: 4-May-2005 10:20

HLDS Caliper Small Ring	8.000	N/A	10.61	N/A	N/A	N/A	IN
HLDS Caliper Large Ring	12.00	N/A	14.67	N/A	N/A	N/A	IN

Accelerator-Porosity Tool Wellsite Calibration - Detector Background

Master: 22-Mar-2005 20:56 Before: 4-May-2005 10:17

Near Det Bkg Cntrate	30.00	25.38	25.71	N/A	N/A	N/A	CPS
Far Det Bkg Cntrate	30.00	25.40	26.37	N/A	N/A	N/A	CPS
Array-1 Det Bkg Cntrate	30.00	28.70	26.09	N/A	N/A	N/A	CPS
Array-2 Det Bkg Cntrate	30.00	25.69	27.22	N/A	N/A	N/A	CPS
Array Therm Det Bkg Cntrate	30.00	25.67	24.20	N/A	N/A	N/A	CPS

Accelerator-Porosity Tool Wellsite Calibration - Calibration Ratios

Master: 22-Mar-2005 20:56

Near/Far Calibration Ratio	0.9250	0.9625	N/A	N/A	N/A	N/A	
Near/Array Calibration Ratio	1.030	0.9914	N/A	N/A	N/A	N/A	
Near/Array Cal Ratio Up/Down	1.000	0.9985	N/A	N/A	N/A	N/A	

Accelerator-Porosity Tool Wellsite Calibration - Tank Check

Master: 22-Mar-2005 20:56

Array-1 Standoff Porosity	11.75	11.97	N/A	N/A	N/A	N/A	PU
Array-2 Standoff Porosity	11.75	11.85	N/A	N/A	N/A	N/A	PU
Average Slowing Down Time	6.000	5.825	N/A	N/A	N/A	N/A	US
Array-1 SDT Ratio Up/Down	1.000	0.9952	N/A	N/A	N/A	N/A	
Array-2 SDT Ratio Up/Down	1.000	1.006	N/A	N/A	N/A	N/A	
Sigma Formation	27.50	27.53	N/A	N/A	N/A	N/A	CU

Accelerator-Porosity Tool Wellsite Calibration - CCR7 signal boxes

Master: 22-Mar-2005 20:56

Near Detector Plateau Setting	1650	1741	N/A	N/A	N/A	N/A	V
Far Detector Plateau Setting	2000	2082	N/A	N/A	N/A	N/A	V
Array Detector Plateau Setting	2000	1973	N/A	N/A	N/A	N/A	V

Hostile Natural Gamma Ray Sonde Wellsite Calibration - Detector 1 Check

Master: 4-May-2005 10:11 Before: 4-May-2005 10:17

Na 511 Peak Loc	40.00	40.62	40.84	N/A	N/A	1.000	
Na 511 Peak Res	15.50	16.96	15.95	N/A	N/A	2.000	%
High Voltage	1150	1255	1255	N/A	N/A	N/A	V
Na 1785 Peak Loc	142.6	144.8	144.7	N/A	N/A	7.000	
Na 1785 Peak Res	8.500	9.982	9.411	N/A	N/A	2.000	%
Temperature	15.50	18.00	18.01	N/A	N/A	N/A	DEGC
Na Count Rate	45.00	42.26	42.82	N/A	N/A	8.000	CPS

Hostile Natural Gamma Ray Sonde Wellsite Calibration - Detector 2 Check

Master: 4-May-2005 10:11 Before: 4-May-2005 10:17

Na 511 Peak Loc	40.00	40.54	40.56	N/A	N/A	1.000	
Na 511 Peak Res	15.50	16.66	16.93	N/A	N/A	2.000	%
High Voltage	1150	1274	1275	N/A	N/A	N/A	V
Na 1785 Peak Loc	142.6	144.2	144.8	N/A	N/A	7.000	
Na 1785 Peak Res	8.500	9.777	9.984	N/A	N/A	2.000	%
Temperature	15.50	17.18	17.20	N/A	N/A	N/A	DEGC
Na Count Rate	45.00	42.45	43.34	N/A	N/A	8.000	CPS

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

Master: 4-May-2005 10:11 Before: 4-May-2005 10:17

Coincidence Count Rate Ratio	1.000	0.9936	0.9895	N/A	N/A	0.05000	
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Hostile Natural Gamma Ray Sonde Master Calibration - Detector 1 Calibration

Master: 4-May-2005 10:06

Na 511 Peak Set Point	40.00	41.00	--	--	--	--	
Th Peak Loc	209.6	208.9	--	--	--	--	
Th Peak Res	7.000	8.099	--	--	--	--	%
Background Count Rate	142.5	21.35	--	--	--	--	CPS
Gain Ratio	1.000	0.9786	--	--	--	--	

Hostile Natural Gamma Ray Sonde Master Calibration - Detector 2 Calibration

Master: 4-May-2005 10:06

Na 511 Peak Set Point	40.00	41.00	--	--	--	--	
Th Peak Loc	209.6	207.3	--	--	--	--	
Th Peak Res	7.000	8.237	--	--	--	--	%
Background Count Rate	142.5	22.15	--	--	--	--	CPS

Accelerator-Porosity Tool - Detector Plateau Settings :

Near Detector Plateau Setting 1741 V  
 Far Detector Plateau Setting 2082 V  
 Array Detector Plateau Setting 1973 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			39.56	Before		1.015	Before			8.777	
	-260.8 (Minimum)	39.24 (Nominal)	339.2 (Maximum)		0.8596 (Minimum)	1.010 (Nominal)	1.214 (Maximum)		-0.7861 (Minimum)	9.214 (Nominal)	19.21 (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			24.27	Before		1.003	Before			13.38	
	-276.2 (Minimum)	23.78 (Nominal)	323.8 (Maximum)		0.8494 (Minimum)	0.9994 (Nominal)	1.199 (Maximum)		3.832 (Minimum)	13.83 (Nominal)	23.83 (Maximum)
Phase	IM Elect Real Offset 10 kHz	MM/M	Value	Phase	IM Elect Real Gain 10 kHz	Value					
Before			98.11	Before		0.9546					
	-453.1 (Minimum)	96.90 (Nominal)	646.9 (Maximum)		0.8089 (Minimum)	0.9589 (Nominal)					1.142 (Maximum)
Phase	IM Elect Quad Offset 10 kHz	MM/M	Value	Phase	IM Elect Quad Gain 10 kHz	Value					
Before			96.48	Before		0.9518					
	-454.8 (Minimum)	95.22 (Nominal)	645.2 (Maximum)		0.8065 (Minimum)	0.9565 (Nominal)	1.139 (Maximum)				

Before: 4-May-2005 10:14

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			15.30	Before		1.020	Before			7.291	
	-109.9 (Minimum)	15.07 (Nominal)	140.1 (Maximum)		0.8601 (Minimum)	1.010 (Nominal)	1.214 (Maximum)		-7.449 (Minimum)	7.551 (Nominal)	22.55 (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			9.570	Before		1.008	Before			12.09	
	-115.6 (Minimum)	9.373 (Nominal)	134.4 (Maximum)		0.8497 (Minimum)	0.9997 (Nominal)	1.200 (Maximum)		-2.658 (Minimum)	12.34 (Nominal)	27.34 (Maximum)
Phase	IM Elect Real Offset 20 kHz	MM/M	Value	Phase	IM Elect Real Gain 20 kHz	Value					
Before			40.87	Before		1.012					
	-184.8 (Minimum)	40.18 (Nominal)	265.2 (Maximum)		0.8536 (Minimum)	1.004 (Nominal)					1.205 (Maximum)
Phase	IM Elect Quad Offset 20 kHz	MM/M	Value	Phase	IM Elect Quad Gain 20 kHz	Value					
Before			40.29	Before		1.009					
	-185.4 (Minimum)	39.62 (Nominal)	264.6 (Maximum)		0.8510 (Minimum)	1.001 (Nominal)	1.201 (Maximum)				

Before: 4-May-2005 10:15

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			9.904	Before		0.9918	Before			27.05	
	-75.27 (Minimum)	9.729 (Nominal)	94.73 (Maximum)		0.8369 (Minimum)	0.9869 (Nominal)	1.182 (Maximum)		7.238 (Minimum)	27.24 (Nominal)	47.24 (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			6.161	Before		0.9789	Before		31.69	
	-78.94 (Minimum)	6.062 (Nominal)	91.06 (Maximum)		0.8259 (Minimum)	0.9759 (Nominal)	1.166 (Maximum)	11.87 (Minimum)	31.87 (Nominal)	51.87 (Maximum)
Phase	IM Elect Real Offset 40 kHz	MM/M	Value	Phase	IM Elect Real Gain 40 kHz	Value				
Before			26.63	Before		1.026				
	-103.8 (Minimum)	26.23 (Nominal)	156.2 (Maximum)		0.8659 (Minimum)	1.016 (Nominal)	1.222 (Maximum)			
Phase	IM Elect Quad Offset 40 kHz	MM/M	Value	Phase	IM Elect Quad Gain 40 kHz	Value				
Before			26.34	Before		1.023				
	-104.1 (Minimum)	25.93 (Nominal)	155.9 (Maximum)		0.8629 (Minimum)	1.013 (Nominal)	1.218 (Maximum)			

Before: 4-May-2005 10:16

Dual Induction - E Wellsite Calibration							
SFL Electronics							
Phase	SFL Voltage Offset MV	Value	Phase	SFL Voltage Gain	Value		
Before		1.275	Before		1.018		
	-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		0.007354	Before		0.9952		
	-0.6000 (Minimum)	0 (Nominal)	0.6000 (Maximum)		0.8500 (Minimum)	1.000 (Nominal)	1.200 (Maximum)

Before: 4-May-2005 10:16

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)			
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)			
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)			
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)			

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)			
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)			
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)			
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)			



### Hostile Litho-Density Sonde / Equipment Identification

<b>Primary Equipment:</b>		
Hostile Litho Density Sonde	HLDS - D	10
Hostile Litho Density High Voltage	HLDV - D	42
Gamma Source Radioactive	GSR - Z	2326
<b>Auxiliary Equipment:</b>		
Hostile Litho Density Pad	HLDP - C	10
Hostile Litho Density High Voltage Housi	HEH - H	44

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		8.327	Master		8.844	Master		85.93	
Before		8.278	Before		8.838	Before		84.50	
7.000 (Minimum)		9.000 (Nominal)	11.000 (Maximum)		7.000 (Minimum)		9.000 (Nominal)	11.000 (Maximum)	
55.00 (Minimum)		100.0 (Nominal)	150.0 (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		79.37	Master		173.9	Master		212.7	
Before		78.34	Before		172.4	Before		211.2	
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)		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		496.4	Master		84.01	Master		151.0	
Before		493.5	Before		84.96	Before		153.7	
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)		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		416.8	Master		219.0	Master		159.0	
Before		414.9	Before		219.7	Before		158.9	
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)		110.0 (Minimum)		200.0 (Nominal)	270.0 (Maximum)	
Master: 13-Apr-2005 14:57					Before: 4-May-2005 10:16				

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		85.93	Master		79.37	Master		173.9	
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)		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		212.7	Master		496.4	Master		8.844	
140.0 (Minimum)		250.0 (Nominal)	360.0 (Maximum)		330.0 (Minimum)		600.0 (Nominal)	830.0 (Maximum)	
7.000 (Minimum)		9.000 (Nominal)	11.000 (Maximum)		7.000 (Minimum)		9.000 (Nominal)	11.000 (Maximum)	
Phase	SSW1 Background CPS	Value	Phase	SSW2 Background CPS	Value	Phase	SSW3 Background CPS	Value	
Master		84.01	Master		151.0	Master		416.8	
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)		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		219.0	Master		159.0	Master		8.327	
150.0 (Minimum)		270.0 (Nominal)	380.0 (Maximum)		110.0 (Minimum)		200.0 (Nominal)	270.0 (Maximum)	
7.000 (Minimum)		9.000 (Nominal)	11.000 (Maximum)		7.000 (Minimum)		9.000 (Nominal)	11.000 (Maximum)	
Master: 13-Apr-2005 14:57									

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		631.9	Master		923.0	Master		1128	
420.0 (Minimum)		600.0 (Nominal)	700.0 (Maximum)		650.0 (Minimum)		900.0 (Nominal)	1050 (Maximum)	
800.0 (Minimum)		1100 (Nominal)	1300 (Maximum)		800.0 (Minimum)		1100 (Nominal)	1300 (Maximum)	

Phase	LSW4 Aluminum CPS	Value	Phase	LSW5 Aluminum CPS	Value	Phase	SSW1 Aluminum CPS	Value
Master		571.2	Master		531.9	Master		3024
	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		8390	Master		11660	Master		4884
	5800 (Minimum) 8000 (Nominal) 9300 (Maximum)			8300 (Minimum) 11600 (Nominal) 13500 (Maximum)			3500 (Minimum) 5000 (Nominal) 5800 (Maximum)	
Phase	SSW5 Aluminum CPS	Value						
Master		644.8						
	470.0 (Minimum) 660.0 (Nominal) 770.0 (Maximum)							

Master: 13-Apr-2005 15:41

Hostile Litho-Density Sonde Master Calibration								
Detector Litholog Measurement (bkqd-subtracted)								
Phase	LSW1 Iron CPS	Value	Phase	LSW2 Iron CPS	Value	Phase	LSW3 Iron CPS	Value
Master		430.0	Master		733.6	Master		986.9
	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		515.9	Master		489.1	Master		2212
	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		6952	Master		10570	Master		4424
	4900 (Minimum) 6800 (Nominal) 7900 (Maximum)			7800 (Minimum) 10800 (Nominal) 12600 (Maximum)			3300 (Minimum) 4600 (Nominal) 5400 (Maximum)	
Phase	SSW5 Iron CPS	Value						
Master		563.2						
	420.0 (Minimum) 580.0 (Nominal) 680.0 (Maximum)							

Master: 13-Apr-2005 15:35

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		1.023	Master		2.109	Master		0.5728
	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		0.5470	Master		0.9845	Master		0.9807
	0.4500 (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		1.006	Master		0.9882			
	0.9900 (Minimum) 0.9940 (Nominal) 1.015 (Maximum)			0.9850 (Minimum) 0.9940 (Nominal) 1.010 (Maximum)				

Master: 13-Apr-2005 15:22

### 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 - C	202
APS Minitron	MNTR - F	5124

Auxiliary Equipment:  
 Accelerator-Porosity Housing  
 APS Calibration Water Tank  
 APS Aluminum Calibrator Sleeve

APH - AC 104  
 SFT - 178 6250  
 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		25.38	Master		25.40	Master		28.70		
Before		25.71	Before		26.37	Before		26.09		
	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		25.69	Master		25.67					
Before		27.22	Before		24.20					
	1.000 (Minimum) 30.00 (Nominal) 50.00 (Maximum)			1.000 (Minimum) 30.00 (Nominal) 50.00 (Maximum)						
Master: 22-Mar-2005 20:56					Before: 4-May-2005 10:17					

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		0.9625	Master		0.9914	Master		0.9985	
	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: 22-Mar-2005 20:56									

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		11.97	Master		11.85	Master		5.825	
	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		0.9952	Master		1.006	Master		27.53	
	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: 22-Mar-2005 20:56									

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		0.9625	Master		0.9914	Master		0.9985	
	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: 22-Mar-2005 20:56									

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		11.97	Master		11.85	Master		5.825	
	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		0.9952	Master		1.006	Master		27.53	
	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: 22-Mar-2005 20:56									

Hostile Natural Gamma Ray Sonde / Equipment Identification

Primary Equipment:

UNGC Sonde

UNGC RA

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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			40.62	Master			16.96	Master			1255
Before			40.84	Before			15.95	Before			1255
	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			144.8	Master			9.982	Master			18.00
Before			144.7	Before			9.411	Before			18.01
	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			42.26								
Before			42.82								
	10.00 (Minimum)	45.00 (Nominal)	100.0 (Maximum)								
Master: 4-May-2005 10:11				Before: 4-May-2005 10:17							

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			40.54	Master			16.66	Master			1274
Before			40.56	Before			16.93	Before			1275
	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			144.2	Master			9.777	Master			17.18
Before			144.8	Before			9.984	Before			17.20
	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			42.45								
Before			43.34								
	10.00 (Minimum)	45.00 (Nominal)	100.0 (Maximum)								
Master: 4-May-2005 10:11				Before: 4-May-2005 10:17							

Hostile Natural Gamma Ray Sonde Wellsite Calibration		
Ratio Of Detector 1 To Detector 2		
Phase	Coincidence Count Rate Ratio	Value
Master		0.9936
Before		0.9895
	0.9500 (Minimum)	1.000 (Nominal)
Master: 4-May-2005 10:11		
Before: 4-May-2005 10:17		

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			208.9	Master			8.099
	38.00 (Minimum)	40.00 (Nominal)	42.00 (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			21.35	Master			0.9786				

20.00 (Minimum)	142.5 (Nominal)	265.0 (Maximum)	0.9400 (Minimum)	1.000 (Nominal)	1.060 (Maximum)
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Master: 4-May-2005 10:06

**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			207.3	Master			8.237
	38.00 (Minimum)	40.00 (Nominal)	42.00 (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			22.15	Master			0.9731				
	20.00 (Minimum)	142.5 (Nominal)	265.0 (Maximum)		0.9400 (Minimum)	1.000 (Nominal)	1.060 (Maximum)				

Master: 4-May-2005 10:06

Company:	Lamont Doherty	<b>Schlumberger</b>
Well:	Expedition 307 Site U1317D	
Field:	Porcupine Basin Carbonate Mounds	
Rig:	Joides Resolution	
Country:	Ireland	
Hostile Natural Gamma Ray		