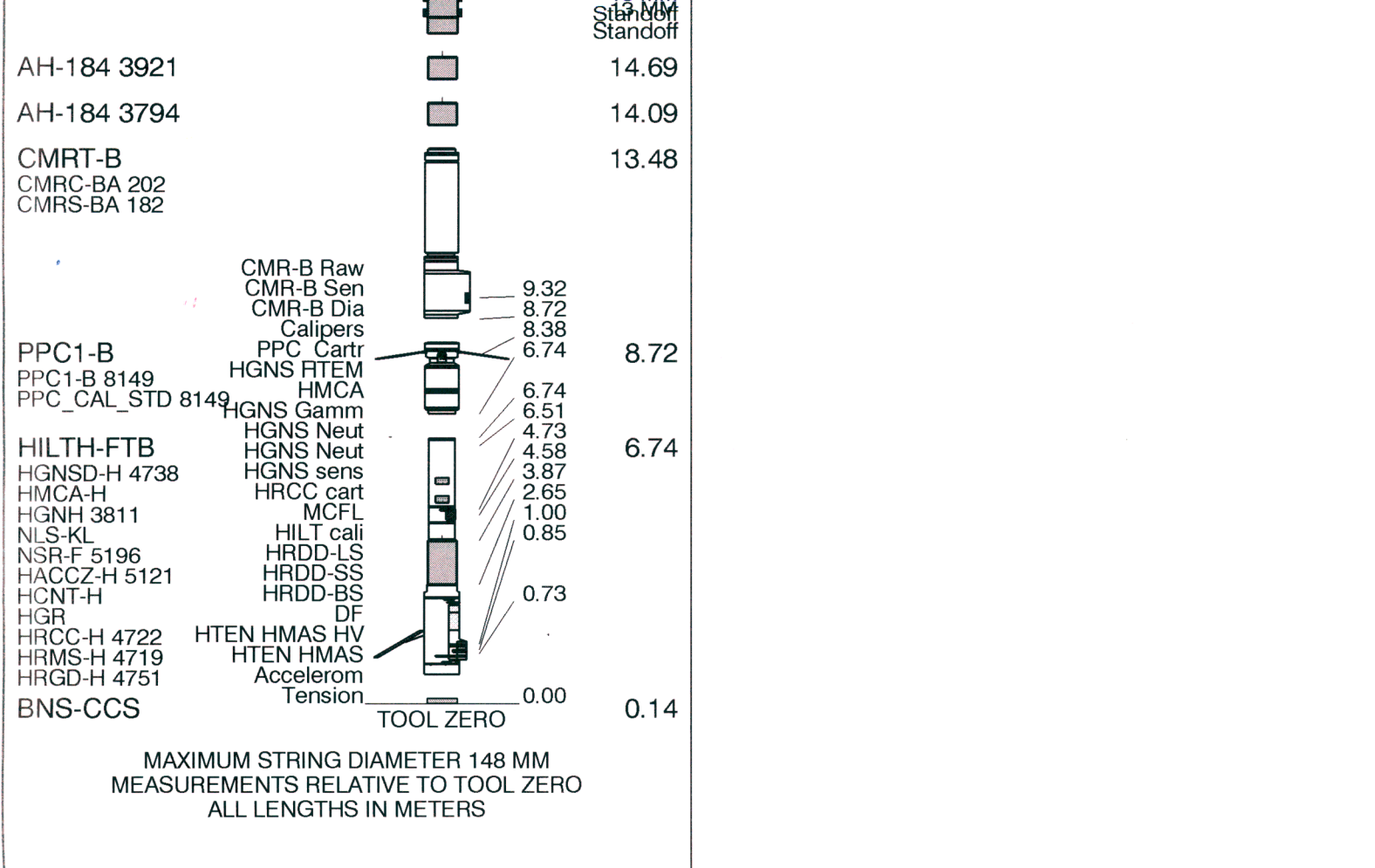
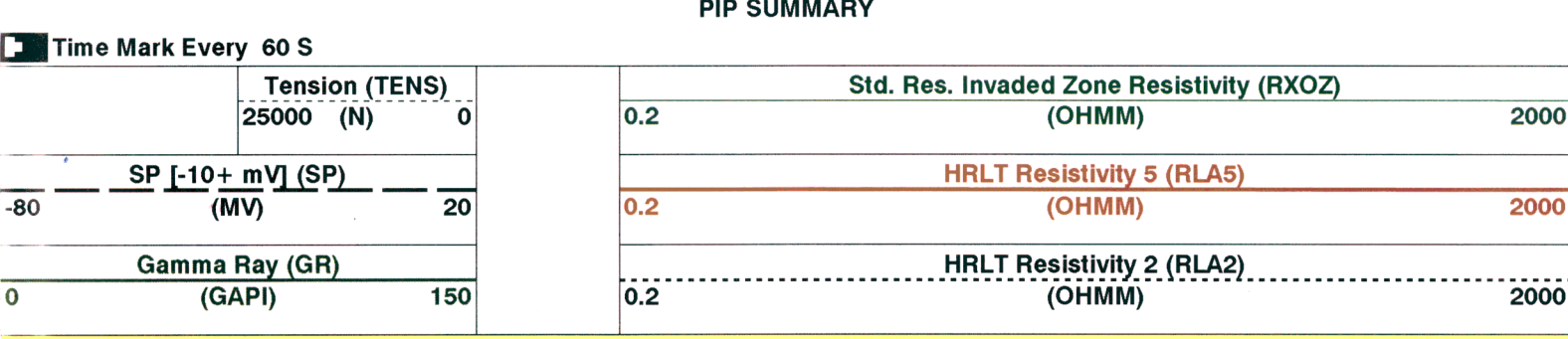
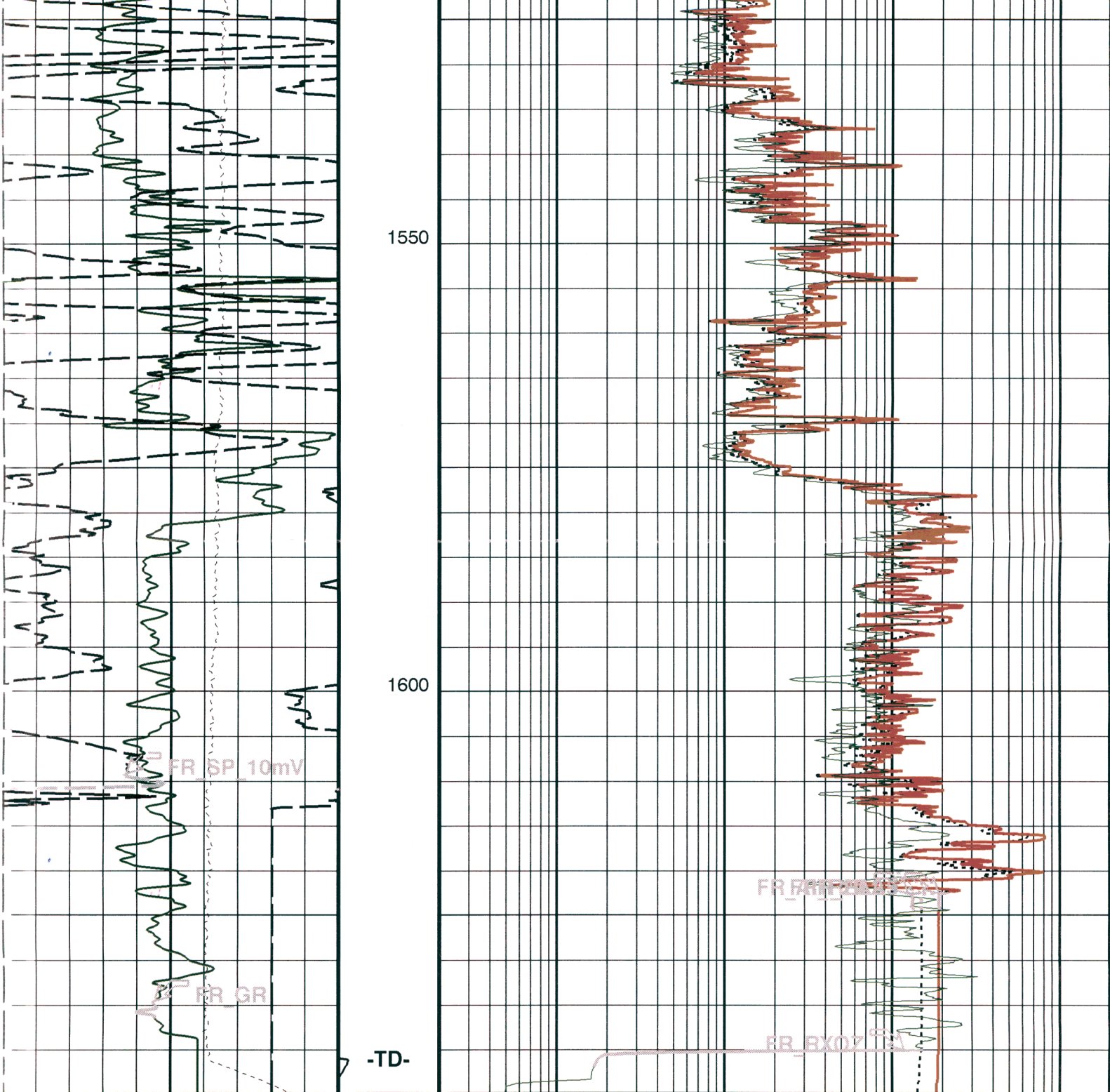




Input DLIS Files						
DEFAULT	TLD_MCFL_CNL_CAL_ML_011LUP	FN:16	PRODUCER	04-Mar-2008 22:57	1644.6 M	1041.1 M
Output DLIS Files						
DEFAULT	TLD_MCFL_CNL_CAL_ML_013PUP	FN:20	PRODUCER	05-Mar-2008 01:01	1644.7 M	1124.1 M
BACKUP	TLD_MCFL_CNL_CAL_ML_013PUP	FN:21	PRODUCER	05-Mar-2008 01:02	1644.7 M	1124.1 M

OP System Version: 15C0-309						
MCM						
HILTH-FTB	SRPC-3402-Q3_2007	PPC1-B	15C0-309			
CMRT-B	15C0-309	HRLT-B	15C0-309			
HILTH2-FTB	SRPC-3402-Q3_2007	MLT-B	15C0-309			
DTC-H	15C0-309	SPA-A	9936			





Gamma Ray (GR)		HRLT Resistivity 2 (RLA2)	
0	(GAPI) 150	0.2	(OHMM) 2000
SP [-10+ mV] (SP)		HRLT Resistivity 5 (RLA5)	
-80	(MV) 20	0.2	(OHMM) 2000
Tension (TENS)		Std. Res. Invaded Zone Resistivity (RXOZ)	
25000 (N)	0	0.2	(OHMM) 2000

PIP SUMMARY

Time Mark Every 60 S

Parameters			
DLIS Name	Description	Value	
MPOF	HILTH-FTB: High resolution Integrated Logging Tool-DTS MCFL Processing Operation Mode	ON	
KFAC_HRLT	HRLT-B: High Resolution Laterolog Array - B HRLT K Factor Option	SONDE	
SPNV	SPA-A 9936: SP ADAPTOR SP Next Value	0	MV
SPVD	DIR: Directional Survey Computation TVD of Starting Point	0	M
TIMD	Along-hole depth of Tie-in Point	1198	M
TIVD	TVD of Tie-in Point	1198	M
LBFR	STI: Stuck Tool Indicator Trigger for MAXIS First Reading Label	TDL	
STKT	STI Stuck Threshold	1.524	M
TDD	Total Depth - Driller	1640.00	M
TDL	Total Depth - Logger	1641.00	M
System and Miscellaneous			
BS	Bit Size	156.000	MM
DO	Depth Offset for Playback	0.2	M
DORL	Depth Offset for Repeat Analysis	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: HRLA_S2 Vertical Scale: 1:600 Graphics File Created: 05-Mar-2008 01:02

OP System Version: 15C0-309			
MCM			
HILTH-FTB	SRPC-3402-Q3_2007	PPC1-B	15C0-309
CMRT-B	15C0-309	HRLT-B	15C0-309
HILTH2-FTB	SRPC-3402-Q3_2007	MLT-B	15C0-309
DTC-H	15C0-309	SPA-A	9936

Input DLIS Files						
DEFAULT	TLD_MCFL_CNL_CAL_ML_011LUP	FN:16	PRODUCER	04-Mar-2008 22:57	1644.6 M	1041.1 M

Output DLIS Files						
DEFAULT	TLD_MCFL_CNL_CAL_ML_013PUP	FN:20	PRODUCER	05-Mar-2008 01:01		
BACKUP	TLD_MCFL_CNL_CAL_ML_013PUP	FN:21	PRODUCER	05-Mar-2008 01:02		

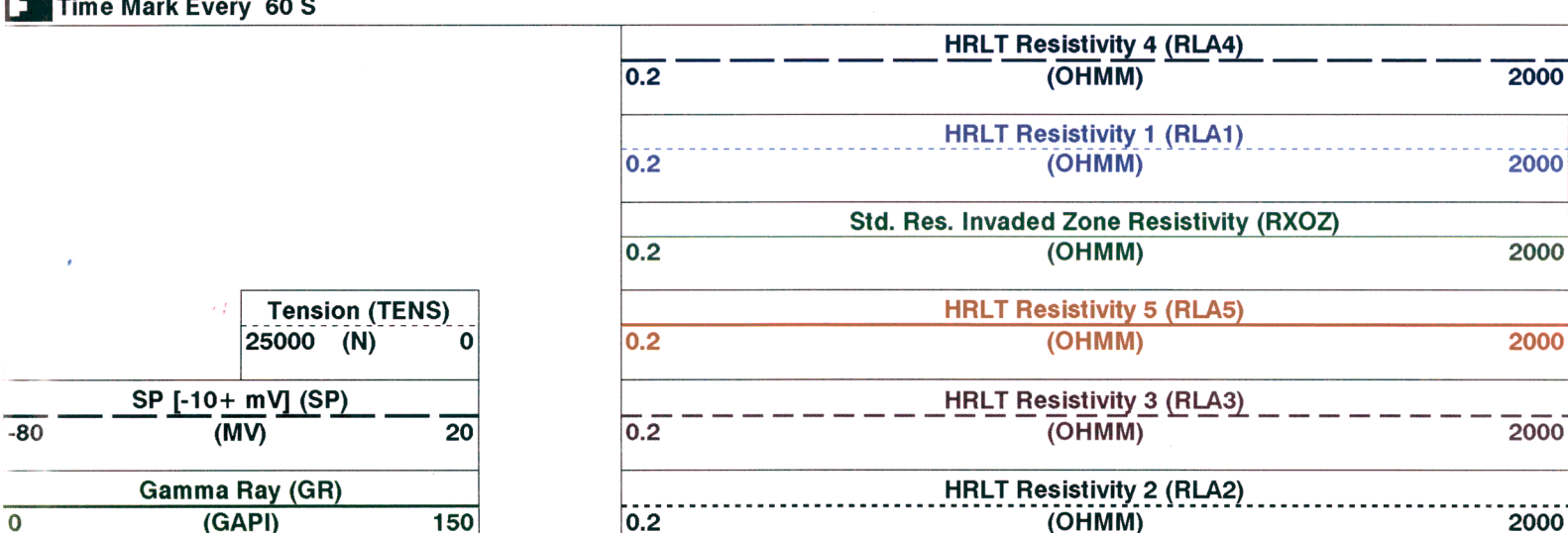
Input DLIS Files						
DEFAULT	TLD_MCFL_CNL_CAL_ML_011LUP	FN:16	PRODUCER	04-Mar-2008 22:57	1644.6 M	1041.1 M

Output DLIS Files						
DEFAULT	TLD_MCFL_CNL_CAL_ML_013PUP	FN:20	PRODUCER	05-Mar-2008 01:01	1644.7 M	1124.1 M
BACKUP	TLD_MCFL_CNL_CAL_ML_013PUP	FN:21	PRODUCER	05-Mar-2008 01:02	1644.7 M	1124.1 M

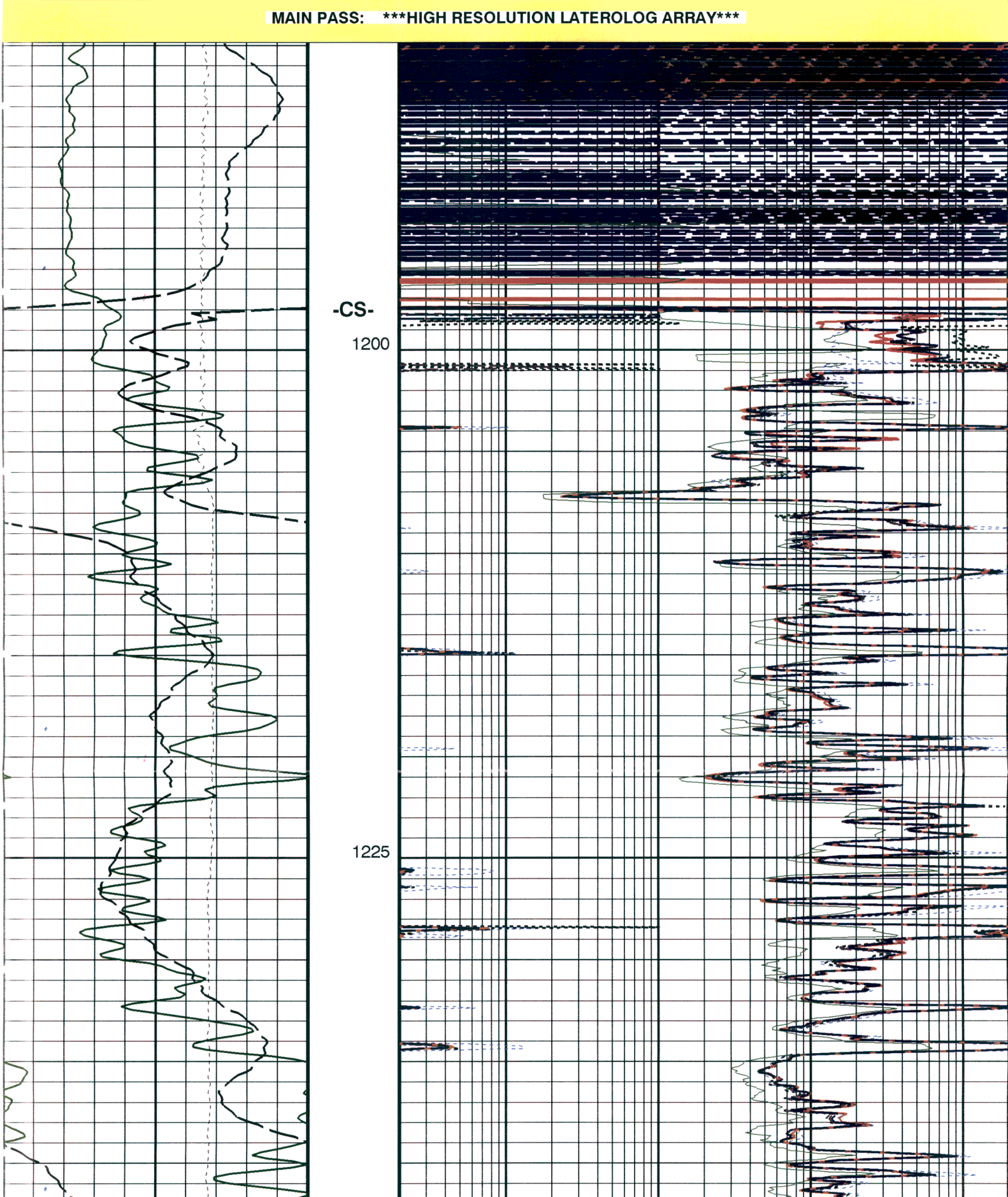
OP System Version: 15C0-309			
MCM			
HILTH-FTB	SRPC-3402-Q3_2007	PPC1-B	15C0-309
CMRT-B	15C0-309	HRLT-B	15C0-309
HILTH2-FTB	SRPC-3402-Q3_2007	MLT-B	15C0-309
DTC-H	15C0-309	SPA-A	9936

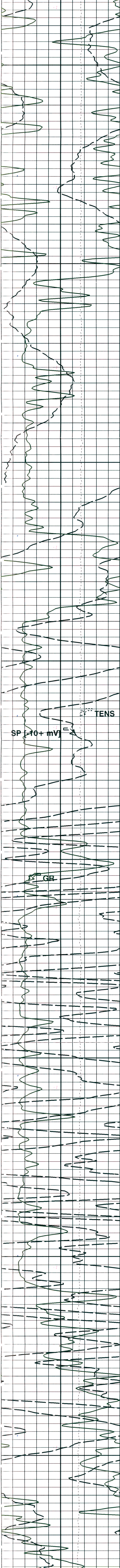
PIP SUMMARY

Time Mark Every 60 S



MAIN PASS: ***HIGH RESOLUTION LATEROLOG ARRAY***





1250

1275

1300

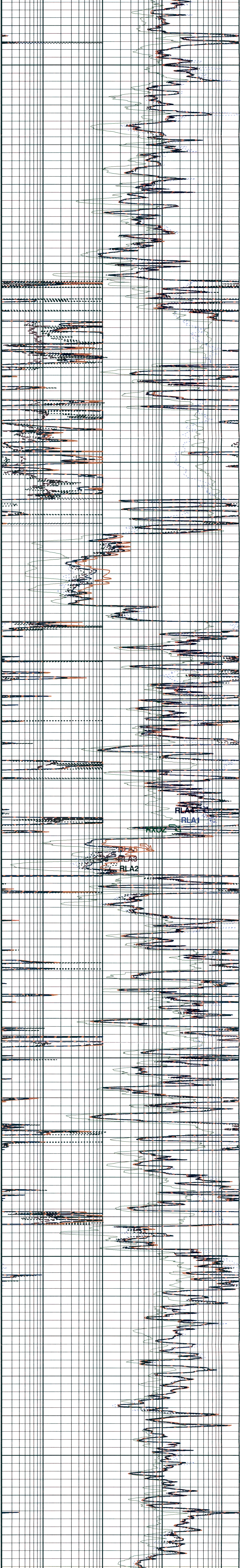
1325

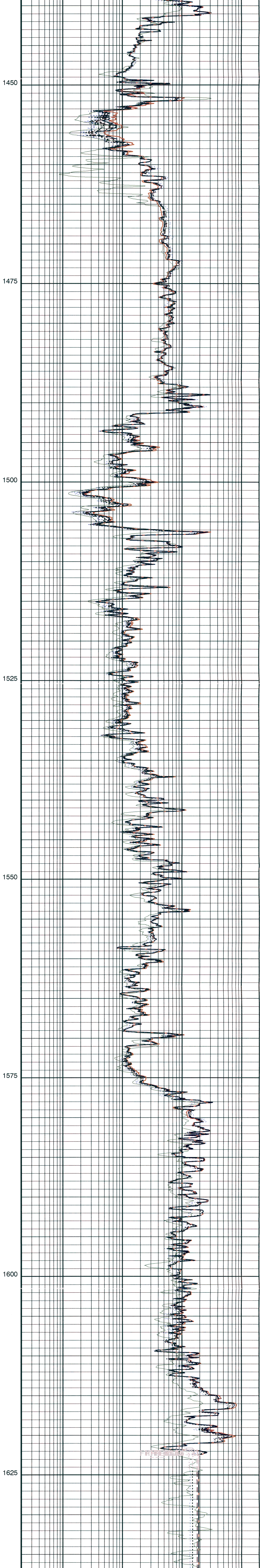
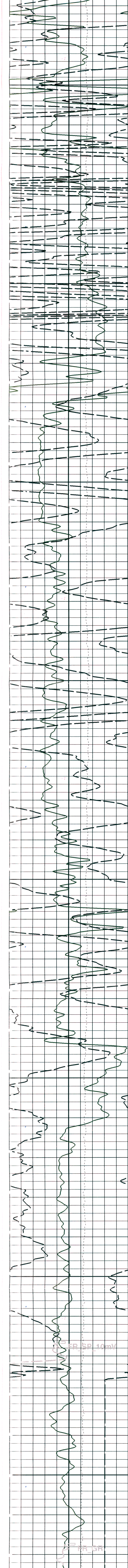
1350

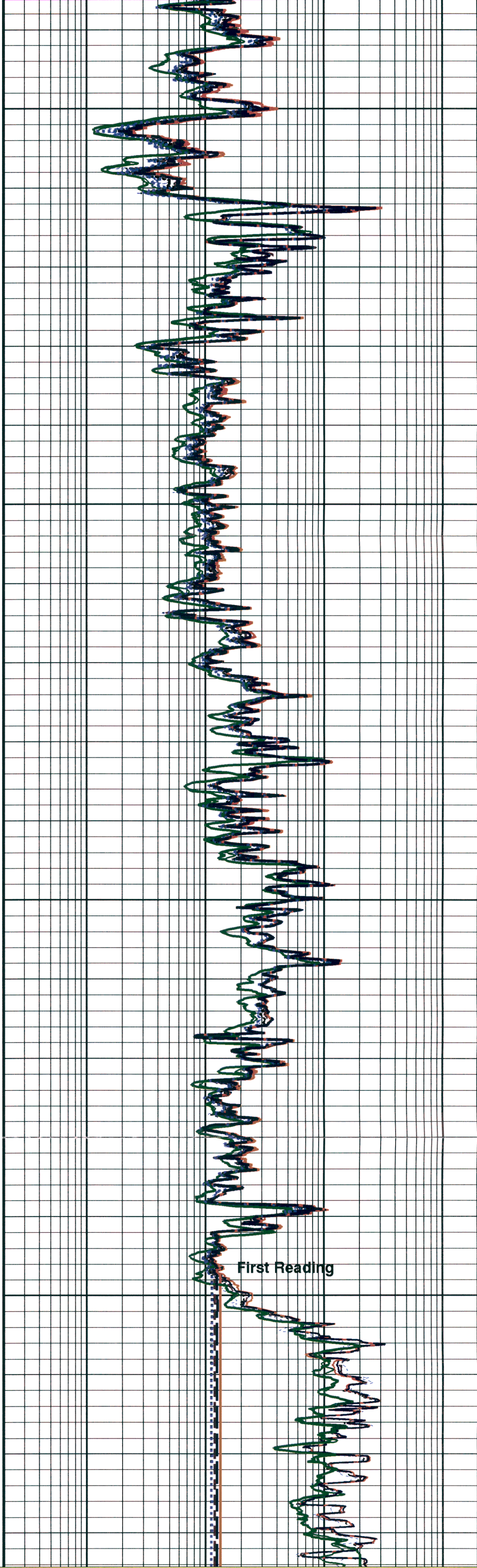
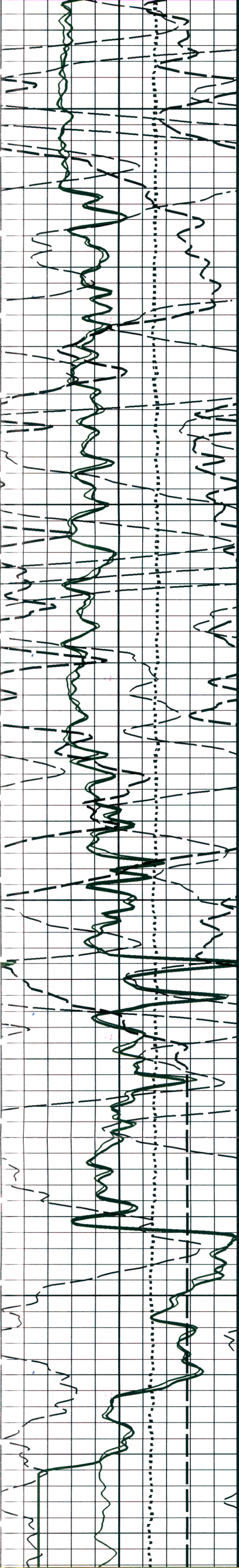
1375

1400

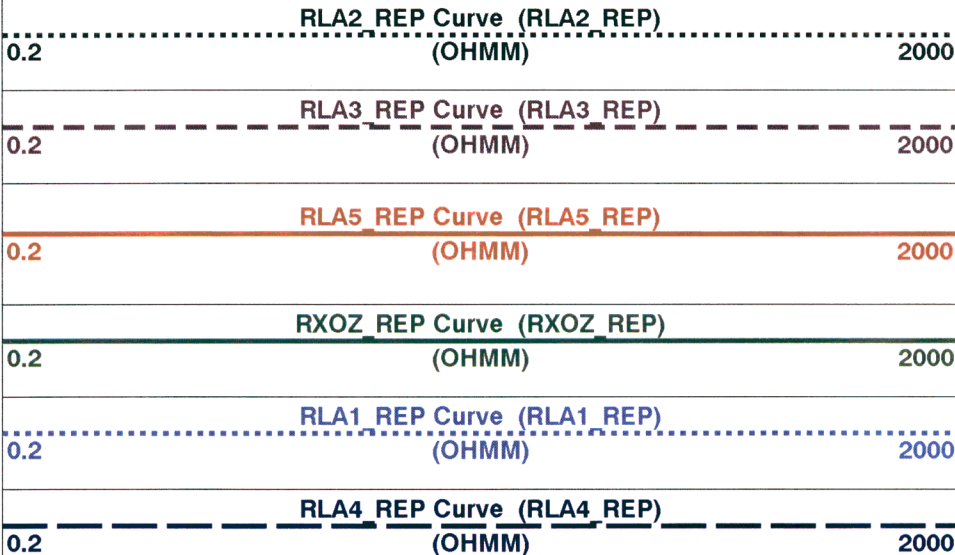
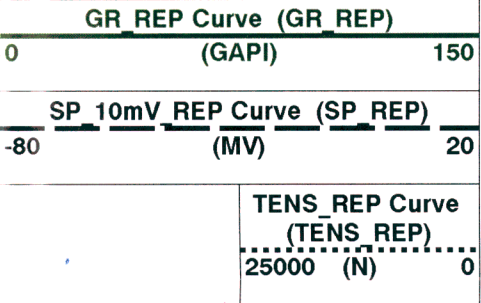
1425







REPEAT ANALYSIS: ***HIGH RESOLUTION LATEROLOG ARRAY***



PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
MPOF	HILTH-FTB: High resolution Integrated Logging Tool-DTS MCFL Processing Operation Mode	ON	
KFAC_HRLT	HRLT-B: High Resolution Laterolog Array - B HRLT K Factor Option	SONDE	
SPNV	SPA-A 9936: SP ADAPTOR SP Next Value	0	MV
SPVD	DIR: Directional Survey Computation TVD of Starting Point	0	M
TIMD	Along-hole depth of Tie-in Point	1198	M
TIVD	TVD of Tie-in Point	1198	M
BS	System and Miscellaneous Bit Size	156.000	MM
DO	Depth Offset for Playback	0.2	M
DORL	Depth Offset for Repeat Analysis	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: HRLA_S5_REP Vertical Scale: 1:240 Graphics File Created: 05-Mar-2008 01:02

OP System Version: 15C0-309

MCM

HILTH-FTB	SRPC-3402-Q3_2007	PPC1-B	15C0-309
CMRT-B	15C0-309	HRLT-B	15C0-309
HILTH2-FTB	SRPC-3402-Q3_2007	MLT-B	15C0-309
DTC-H	15C0-309	SPA-A	9936

Input DLIS Files

DEFAULT	TLD_MCFL_CNL_CAL_ML_011LUP	FN:16	PRODUCER	04-Mar-2008 22:57	1644.6 M	1041.1 M
DEFAULT	TLD_MCFL_CNL_CAL_ML_010PUP	FN:14	PRODUCER	04-Mar-2008 22:39	1592.1 M	1406.3 M

Output DLIS Files

DEFAULT	TLD_MCFL_CNL_CAL_ML_013PUP	FN:20	PRODUCER	05-Mar-2008 01:01
BACKUP	TLD_MCFL_CNL_CAL_ML_013PUP	FN:21	PRODUCER	05-Mar-2008 01:02

Input DLIS Files

DEFAULT	TLD_MCFL_CNL_CAL_ML_011LUP	FN:16	PRODUCER	04-Mar-2008 22:57	1644.6 M	1041.1 M
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Output DLIS Files

DEFAULT	TLD_MCFL_CNL_CAL_ML_013PUP	FN:20	PRODUCER	05-Mar-2008 01:01	1644.7 M	1124.1 M
BACKUP	TLD_MCFL_CNL_CAL_ML_013PUP	FN:21	PRODUCER	05-Mar-2008 01:02	1644.7 M	1124.1 M

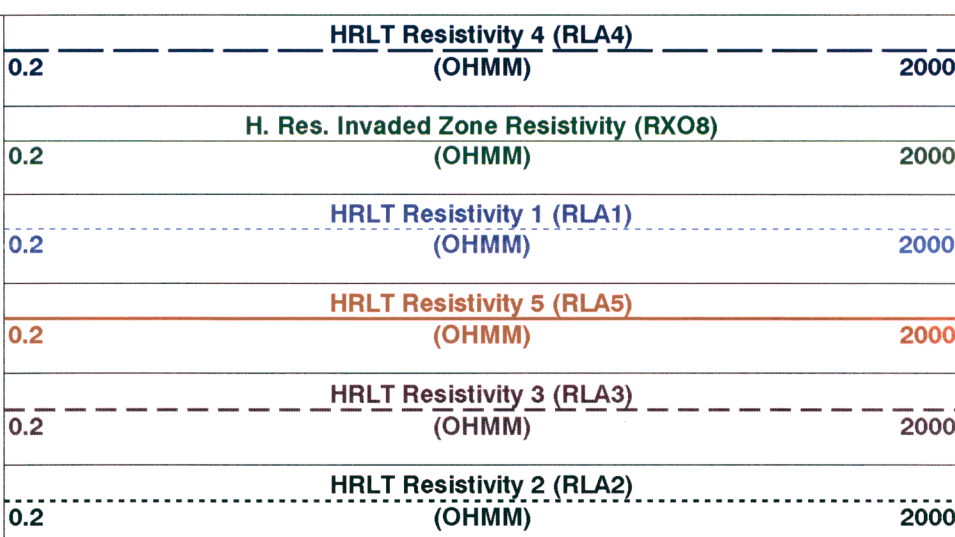
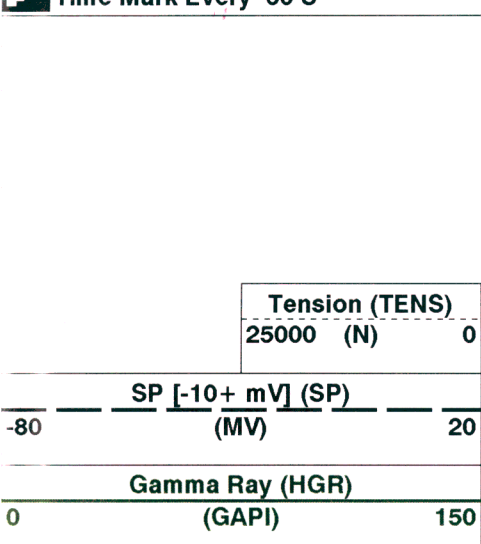
OP System Version: 15C0-309

MCM

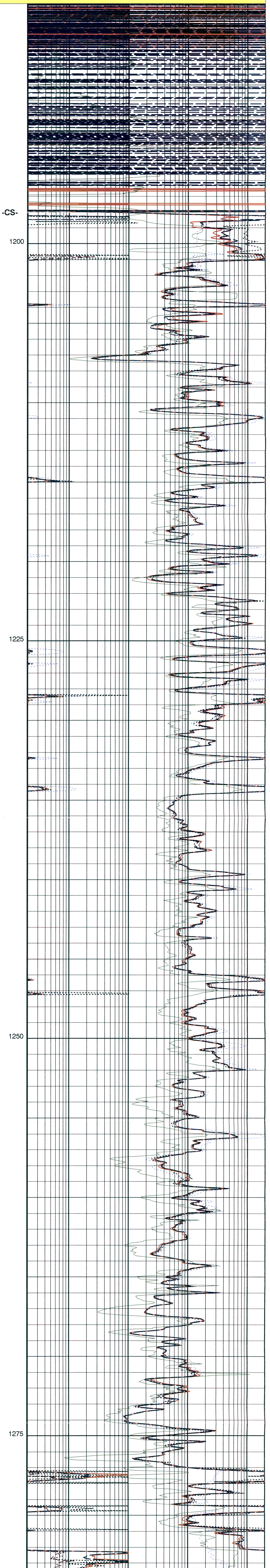
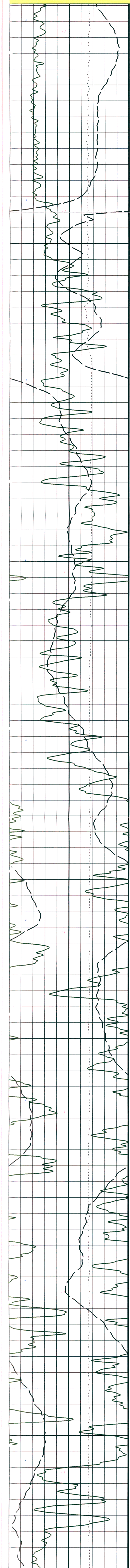
HILTH-FTB	SRPC-3402-Q3_2007	PPC1-B	15C0-309
CMRT-B	15C0-309	HRLT-B	15C0-309
HILTH2-FTB	SRPC-3402-Q3_2007	MLT-B	15C0-309
DTC-H	15C0-309	SPA-A	9936

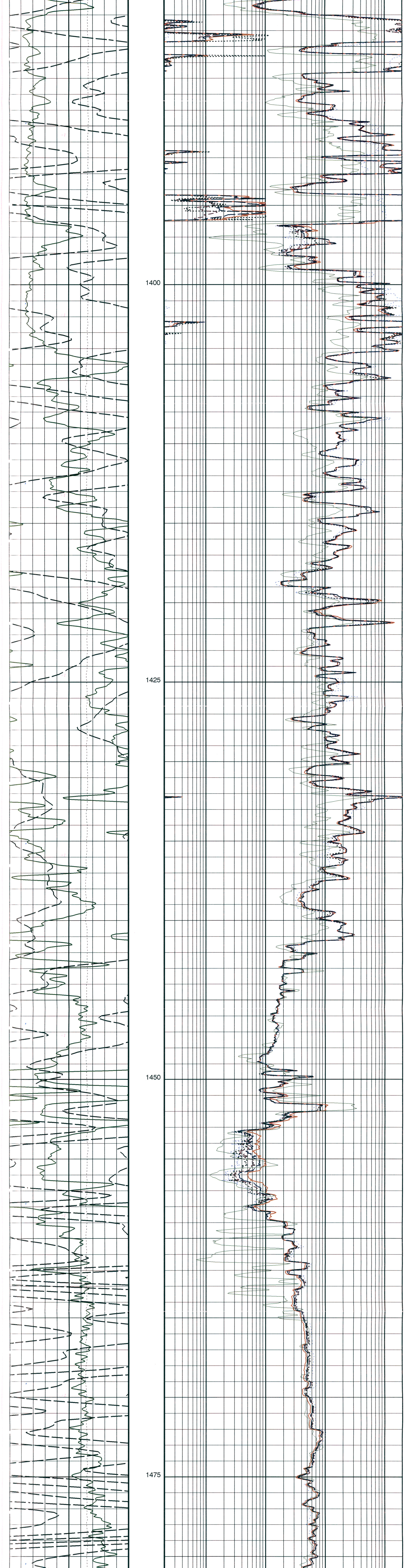
PIP SUMMARY

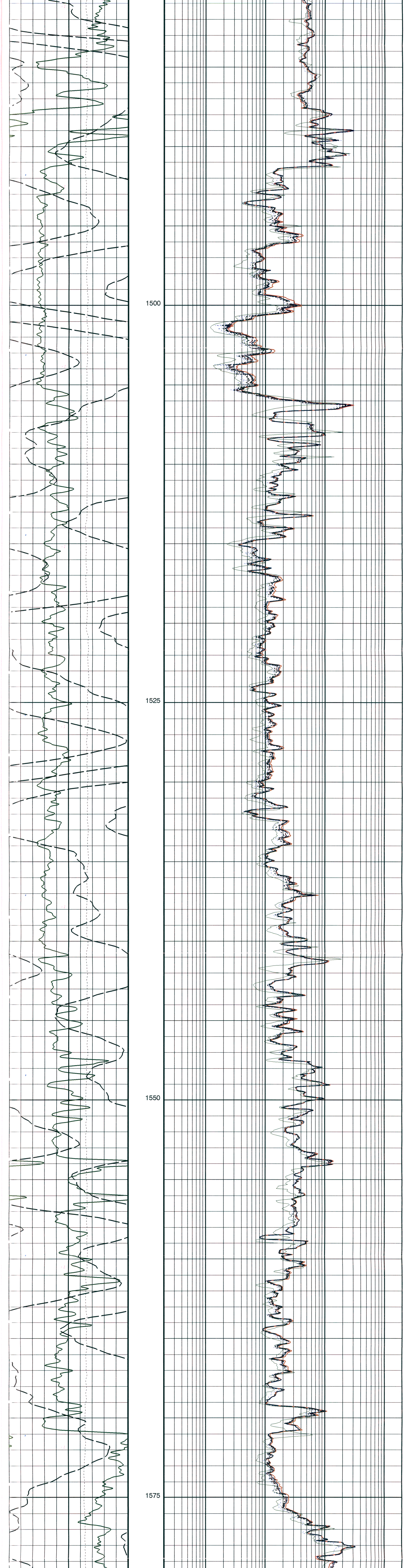
Time Mark Every 60 S

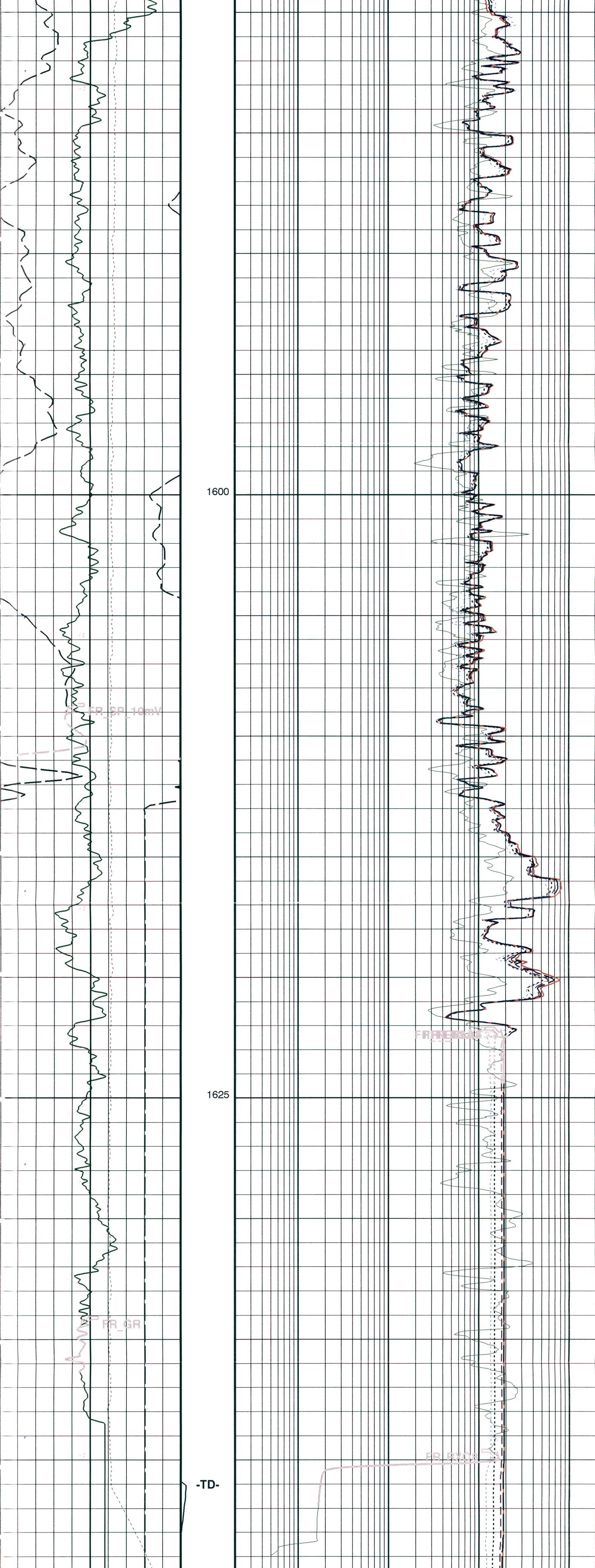


HIRES PASS: ***HIGH RESOLUTION LATEROLOG ARRAY***









HIRES PASS: ***HIGH RESOLUTION LATEROLOG ARRAY***

Gamma Ray (HGR)		
0	(GAPI)	150
SP [-10+ mV] (SP)		
-80	(MV)	20
Tension (TENS)		
25000	(N)	0

0.2	HRLT Resistivity 2 (RLA2)	2000
(OHMM)		
0.2	HRLT Resistivity 3 (RLA3)	2000
(OHMM)		
0.2	HRLT Resistivity 5 (RLA5)	2000
(OHMM)		
0.2	HRLT Resistivity 1 (RLA1)	2000
(OHMM)		
0.2	H. Res. Invaded Zone Resistivity (RXO8)	2000
(OHMM)		
0.2	HRLT Resistivity 4 (RLA4)	2000
(OHMM)		

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
MPOF	HILTH-FTB: High resolution Integrated Logging Tool-DTS MCFL Processing Operation Mode	ON	
KFAC_HRLT	HRLT-B: High Resolution Laterolog Array - B HRLT K Factor Option	SONDE	
SPNV	SPA-A 9936: SP ADAPTOR SP Next Value	0	MV
SPVD	DIR: Directional Survey Computation TVD of Starting Point	0	M
TIMD	Along-hole depth of Tie-in Point	1198	M
TIVD	TVD of Tie-in Point	1198	M
LBFR	STI: Stuck Tool Indicator Trigger for MAXIS First Reading Label	TDL	
STKT	STI Stuck Threshold	1.524	M
TDD	Total Depth - Driller	1640.00	M
TDL	Total Depth - Logger	1641.00	M
System and Miscellaneous			
BS	Bit Size	156.000	MM
DO	Depth Offset for Playback	0.2	M
DORL	Depth Offset for Repeat Analysis	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: HIRES-HRLA Vertical Scale: 1:120 Graphics File Created: 05-Mar-2008 01:02

OP System Version: 15C0-309

MCM

HILTH-FTB	SRPC-3402-Q3_2007	PPC1-B	15C0-309
CMRT-B	15C0-309	HRLT-B	15C0-309
HILTH2-FTB	SRPC-3402-Q3_2007	MLT-B	15C0-309
DTC-H	15C0-309	SPA-A	9936

Input DLIS Files

DEFAULT	TLD_MCFL_CNL_CAL_ML_011LUP	FN:16	PRODUCER	04-Mar-2008 22:57	1644.6 M	1041.1 M
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Output DLIS Files

DEFAULT	TLD_MCFL_CNL_CAL_ML_013PUP	FN:20	PRODUCER	05-Mar-2008 01:01		
BACKUP	TLD_MCFL_CNL_CAL_ML_013PUP	FN:21	PRODUCER	05-Mar-2008 01:02		

Input DLIS Files

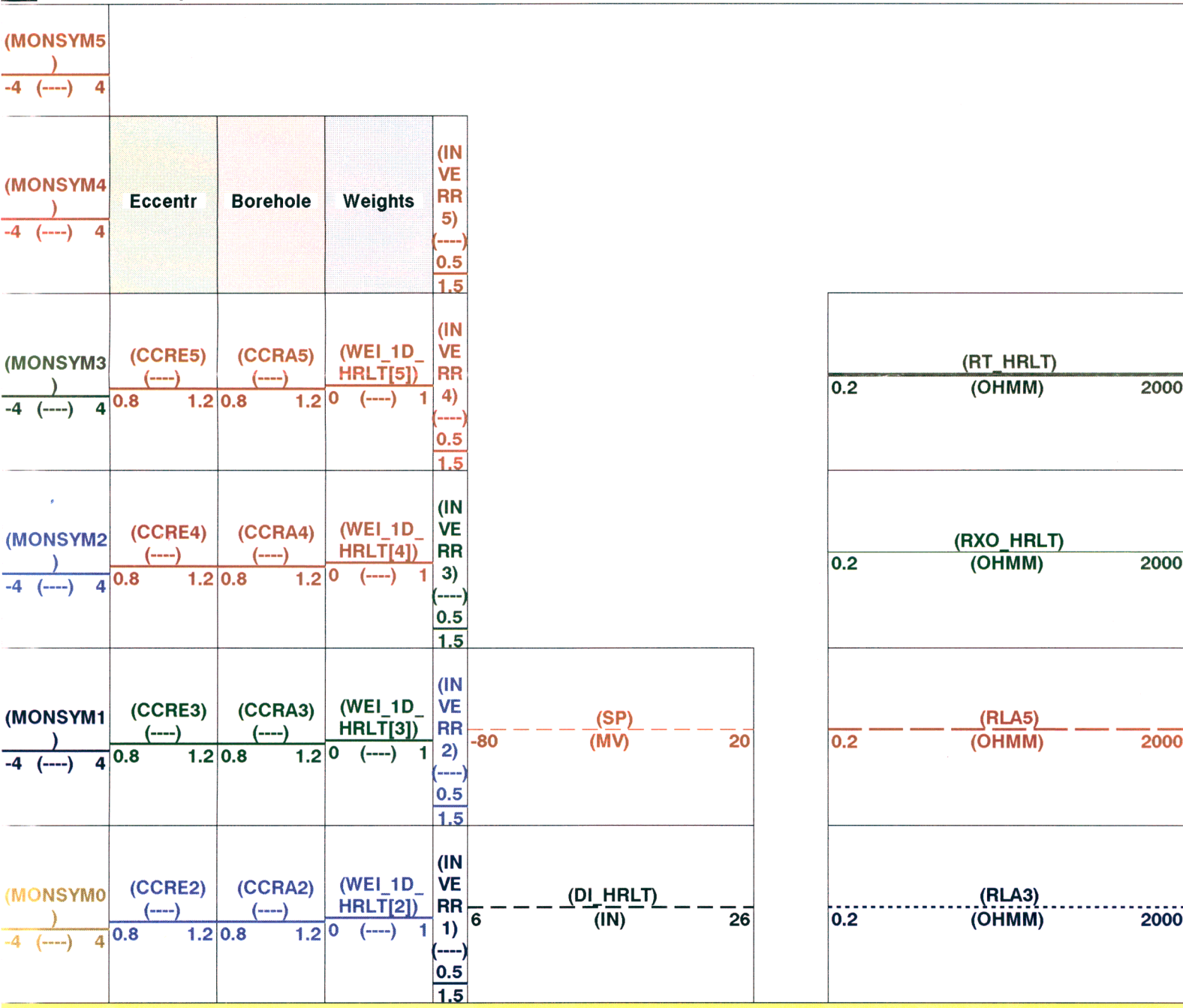
DEFAULT	TLD_MCFL_CNL_CAL_ML_011LUP	FN:16	PRODUCER	04-Mar-2008 22:57	1644.6 M	1041.1 M
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Output DLIS Files

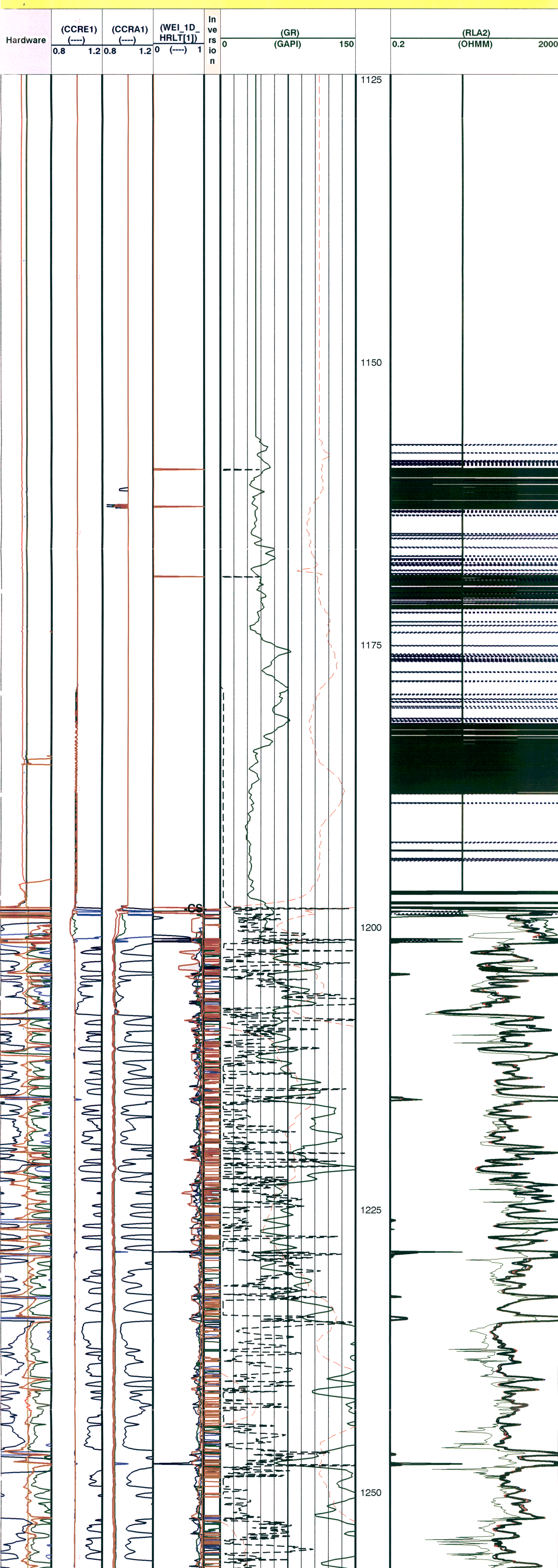
DEFAULT	TLD_MCFL_CNL_CAL_ML_013PUP	FN:20	PRODUCER	05-Mar-2008 01:01	1644.7 M	1124.1 M
BACKUP	TLD_MCFL_CNL_CAL_ML_013PUP	FN:21	PRODUCER	05-Mar-2008 01:02	1644.7 M	1124.1 M
OP System Version: 15C0-309						
MCM						
HILTH-FTB	SRPC-3402-Q3_2007		PPC1-B	15C0-309		
CMRT-B	15C0-309		HRLT-B	15C0-309		
HILTH2-FTB	SRPC-3402-Q3_2007		MLT-B	15C0-309		
DTC-H	15C0-309		SPA-A	9936		

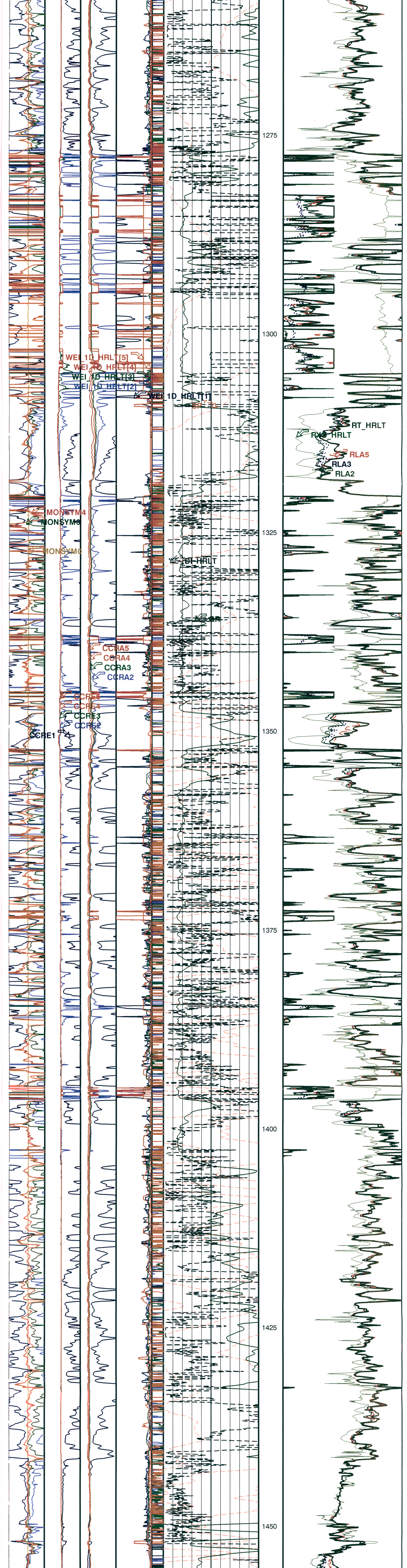
PIP SUMMARY

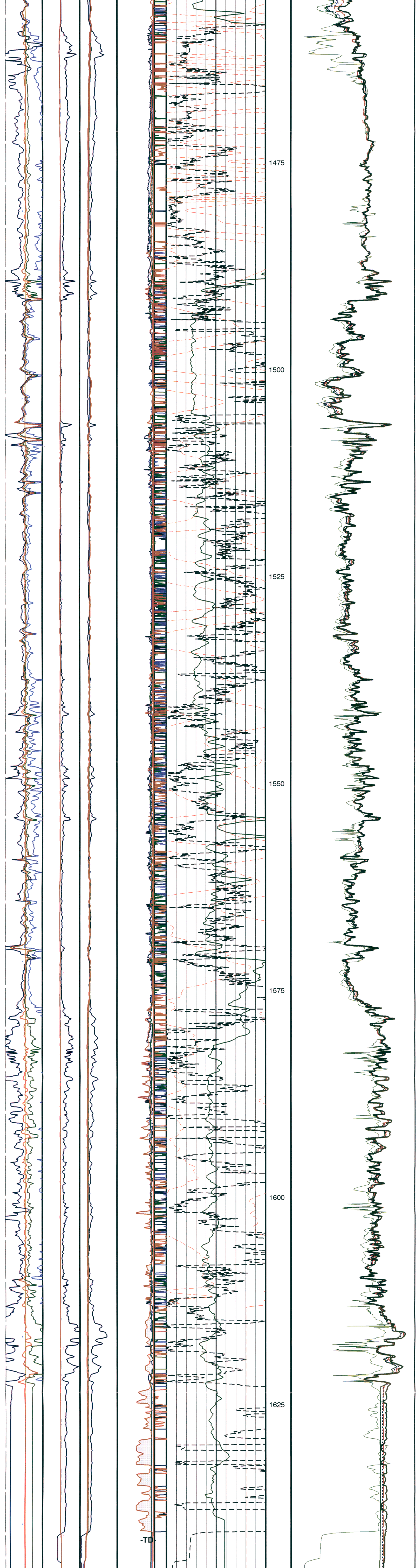
Time Mark Every 60 S



LOG QUALITY CONTROL: *** HIRES LATEROLOG ARRAY ***







Hardware	(CCRE1)	(CCRA1)	(WEI 1D_HRLT[1])	Inversion	(GR)	(RLA2)
	(---) 0.8 1.2	(---) 0.8 1.2	(---) 0 1	0 1	(GAPI) 0 150	(OHMM) 0.2 2000

(MONSYM0) (-----) 4	(CCRE2) (-----) 0.8 1.2	(CCRA2) (-----) 0.8 1.2	(WEI_1D_HRLT[2]) (-----) 0 1	(IN VE RR 1) 6	(DI_HRLT) (IN) 26	(RLA3) (OHMM) 2000
(MONSYM1) (-----) 4	(CCRE3) (-----) 0.8 1.2	(CCRA3) (-----) 0.8 1.2	(WEI_1D_HRLT[3]) (-----) 0 1	(IN VE RR 2) -80	(SP) (MV) 20	(RLA5) (OHMM) 2000
(MONSYM2) (-----) 4	(CCRE4) (-----) 0.8 1.2	(CCRA4) (-----) 0.8 1.2	(WEI_1D_HRLT[4]) (-----) 0 1	(IN VE RR 3)		(RXO_HRLT) (OHMM) 2000
(MONSYM3) (-----) 4	(CCRE5) (-----) 0.8 1.2	(CCRA5) (-----) 0.8 1.2	(WEI_1D_HRLT[5]) (-----) 0 1	(IN VE RR 4)		(RT_HRLT) (OHMM) 2000
(MONSYM4) (-----) 4	Eccentr	Borehole	Weights	(IN VE RR 5)		
(MONSYM5) (-----) 4						

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
HILTH-FTB: High resolution Integrated Logging Tool-DTS			
BHT	Bottom Hole Temperature (used in calculations)	34	DEGC
GCSE	Generalized Caliper Selection	HCAL	
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	HSTS_HTEM	
SHT	Surface Hole Temperature	23	DEGC
CMRT-B: Combinable Magnetic Resonance Tool - B			
BHT	Bottom Hole Temperature (used in calculations)	34	DEGC
GCSE	Generalized Caliper Selection	HCAL	
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	HSTS_HTEM	
SHT	Surface Hole Temperature	23	DEGC
HRLT-B: High Resolution Laterolog Array - B			
BHT	Bottom Hole Temperature (used in calculations)	34	DEGC
GCSE	Generalized Caliper Selection	HCAL	
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	HSTS_HTEM	
KFAC_HRLT	HRLT K Factor Option	SONDE	
PROCIINV	Inversion Selection	ON	
PROCMFL	Inversion Micro-Resistivity Selection	RXOZ	
PROCMSO	Mechanical Standoff Fin Size	13	MM
PROCRM	Processing Mud Resistivity Select	HRLT_Compute	
PROCSP0	Sonde Position	Eccentered	
SHT	Surface Hole Temperature	23	DEGC
HILTH2-FTB: High resolution Integrated Logging Tool-DTS2			
BHT	Bottom Hole Temperature (used in calculations)	34	DEGC
GCSE	Generalized Caliper Selection	HCAL	
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	HSTS_HTEM	
SHT	Surface Hole Temperature	23	DEGC
SPA-A 9936: SP ADAPTOR			
SPNV	SP Next Value	0	MV
DIR: Directional Survey Computation			
SPVD	TVD of Starting Point	0	M
TIMD	Along-hole depth of Tie-in Point	1198	M
TIVD	TVD of Tie-in Point	1198	M
HOLEV: Integrated Hole/Cement Volume			
BHT	Bottom Hole Temperature (used in calculations)	34	DEGC
GCSE	Generalized Caliper Selection	HCAL	
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	HSTS_HTEM	
SHT	Surface Hole Temperature	23	DEGC
System and Miscellaneous			
BS	Bit Size	156.000	MM
DO	Depth Offset for Playback	0.2	M
DORL	Depth Offset for Repeat Analysis	0.0	M
MST	Mud Sample Temperature	15.40	DEGC
PP	Playback Processing	RECOMPUTE	
TD	Total Depth	1641	M

Format: HRLT_LQC Vertical Scale: 1:240 Graphics File Created: 05-Mar-2008 01:02

OP System Version: 15C0-309

MCM

HILTH-FTB	SRPC-3402-Q3_2007	PPC1-B	15C0-309
CMRT-B	15C0-309	HRLT-B	15C0-309
HILTH2-FTB	SRPC-3402-Q3_2007	MLT-B	15C0-309
DTC:H	15C0-309	SPA-A	9936

Input DLIS Files

DEFAULT	TLD_MCFL_CNL_CAL_ML_011LUP	FN:16	PRODUCER	04-Mar-2008 22:57	1644.6 M	1041.1 M
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Output DLIS Files

DEFAULT	TLD_MCFL_CNL_CAL_ML_013PUP	FN:20	PRODUCER	05-Mar-2008 01:01
BACKUP	TLD_MCFL_CNL_CAL_ML_013PUP	FN:21	PRODUCER	05-Mar-2008 01:02

Calibration and Check Summary							
Measurement	Nominal	Master	Before	After	Change	Limit	Units
High resolution Integrated Logging Tool-DTS Wellsite Calibration - Stab Measurement Summary							
Before: 3-Mar-2008 14:18							
BS Window Ratio	0.7418	N/A	0.7463	N/A	N/A	N/A	CPS
BS Window Sum	28600	N/A	28620	N/A	N/A	N/A	
SS Window Ratio	0.4827	N/A	0.4782	N/A	N/A	N/A	
SS Window Sum	12770	N/A	12740	N/A	N/A	N/A	CPS
LS Window Ratio	0.3018	N/A	0.3019	N/A	N/A	N/A	CPS
LS Window Sum	1503	N/A	1500	N/A	N/A	N/A	
High resolution Integrated Logging Tool-DTS Wellsite Calibration - Photo-multiplier High Voltages Calibrations							
Before: 3-Mar-2008 14:18							
BS PM High Voltage (Command)	1369	N/A	1350	N/A	N/A	N/A	V
SS PM High Voltage (Command)	1426	N/A	1439	N/A	N/A	N/A	V
LS PM High Voltage (Command)	1322	N/A	1335	N/A	N/A	N/A	V
High resolution Integrated Logging Tool-DTS Wellsite Calibration - Crystal Quality Resolutions Calibration							
Before: 3-Mar-2008 14:18							
BS Crystal Resolution	10.83	N/A	10.70	N/A	N/A	N/A	%
SS Crystal Resolution	8.828	N/A	9.424	N/A	N/A	N/A	%
LS Crystal Resolution	8.889	N/A	8.971	N/A	N/A	N/A	%
High resolution Integrated Logging Tool-DTS Wellsite Calibration - MCFL Calibration							
Before: 3-Mar-2008 14:19							
Raw B0 Resistivity	3875	N/A	3864	N/A	N/A	N/A	OHMM
Raw B1 Resistivity	3830	N/A	3823	N/A	N/A	N/A	OHMM
Raw B2 Resistivity	3830	N/A	3823	N/A	N/A	N/A	OHMM
High resolution Integrated Logging Tool-DTS Wellsite Calibration - HILT Caliper Calibration							
Before: 3-Mar-2008 14:12							
HILT Caliper Zero Measurement	203.2	N/A	193.8	N/A	N/A	N/A	MM
HILT Caliper Plus Measurement	304.8	N/A	303.5	N/A	N/A	N/A	MM
High resolution Integrated Logging Tool-DTS Wellsite Calibration - Detector Calibration							
Before: 3-Mar-2008 14:39							
Gamma Ray Background	30.00	N/A	21.54	N/A	N/A	N/A	GAPI
Gamma Ray (Jig - Bkg)	180.5	N/A	180.5	N/A	N/A	16.41	GAPI
Gamma Ray (Calibrated)	162.0	N/A	162.0	N/A	N/A	15.00	GAPI
High resolution Integrated Logging Tool-DTS Wellsite Calibration - Zero Measurement							
Master: 15-Jan-2008 15:00 Before: 3-Mar-2008 14:34							
CNTC Background	26.64	26.64	27.19	N/A	N/A	3.996	CPS
CFTC Background	26.42	26.42	27.76	N/A	N/A	3.963	CPS
High resolution Integrated Logging Tool-DTS Wellsite Calibration - Ratio Measurement							
Master: 15-Jan-2008 15:00							
Thermal Near Corr. (Tank)	5800	6123	N/A	N/A	N/A	N/A	CPS
Thermal Far Corr. (Tank)	2400	2592	N/A	N/A	N/A	N/A	CPS
CNTC/CFTC (Tank)	2.159	2.362	N/A	N/A	N/A	N/A	
High resolution Integrated Logging Tool-DTS Wellsite Calibration - Accelerometer Calibration							
Before: 23-Feb-2008 14:50							
Z-Axis Acceleration	9.810	N/A	9.810	N/A	N/A	N/A	M/S2
High resolution Integrated Logging Tool-DTS Master Calibration - Inversion results							
Master: 15-Feb-2008 16:22							
Rho Aluminum	2596	2597	--	--	--	--	K/M3
Rho Magnesium	1686	1688	--	--	--	--	K/M3
Pe Aluminum	2.570	2.564	--	--	--	--	
Pe Magnesium	2.650	2.613	--	--	--	--	
High resolution Integrated Logging Tool-DTS Master Calibration - Deviation Summary							
Master: 15-Feb-2008 16:22							
BS Average Deviation	0	0.2990	--	--	--	--	%
BS Max Deviation	0	1.040	--	--	--	--	%
SS Average Deviation	0	0.4137	--	--	--	--	%
SS Max Deviation	0	0.9796	--	--	--	--	%
LS Average Deviation	0	0.5746	--	--	--	--	%
LS Max Deviation	0	1.170	--	--	--	--	%
Combinable Magnetic Resonance Tool - B Master Calibration - Date of Master Calibration: 16-Jan-2008							
Master: 4-Mar-2008 20:45							
Tool Temperature MCAL	27.00	17.02	--	--	--	--	DEGC
LOOP Measurement MCAL	2300	1863	--	--	--	--	
Hall Probe B0 MCAL	52.00	52.77	--	--	--	--	MTES
Cal. Fixture Amplitude MCAL	37.50	27.91	--	--	--	--	%
High Resolution Laterolog Array - B Wellsite Calibration - HRLT M01							
Before: 4-Mar-2008 21:13							
HRLT M0-M1 Voltage Plus - 0	0	N/A	-321.3	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus - 1	0	N/A	-369.6	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus - 2	0	N/A	-339.0	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus - 3	0	N/A	-337.9	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus - 4	0	N/A	-324.2	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus - 5	0	N/A	-328.0	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus - 6	0	N/A	360.0	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus - 7	0	N/A	-322.7	N/A	N/A	9.681	UV
High Resolution Laterolog Array - B Wellsite Calibration - HRLT M12							
Before: 4-Mar-2008 21:13							
HRLT M1-M2 Voltage Plus - 0	0	N/A	1766	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus - 1	0	N/A	2023	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus - 2	0	N/A	1853	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus - 3	0	N/A	1849	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus - 4	0	N/A	1778	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus - 5	0	N/A	1801	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus - 6	0	N/A	-1979	N/A	N/A	53.42	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT M23								
Before: 4-Mar-2008 21:13								
HRLT M2-M3 Voltage Plus - 0	0	N/A	1750	N/A	N/A	53.42	UV	
HRLT M2-M3 Voltage Plus - 1	0	N/A	2023	N/A	N/A	53.42	UV	
HRLT M2-M3 Voltage Plus - 2	0	N/A	1853	N/A	N/A	53.42	UV	
HRLT M2-M3 Voltage Plus - 3	0	N/A	1851	N/A	N/A	53.42	UV	
HRLT M2-M3 Voltage Plus - 4	0	N/A	1773	N/A	N/A	53.42	UV	
HRLT M2-M3 Voltage Plus - 5	0	N/A	1795	N/A	N/A	53.42	UV	
HRLT M2-M3 Voltage Plus - 6	0	N/A	-1966	N/A	N/A	53.42	UV	
HRLT M2-M3 Voltage Plus - 7	0	N/A	1781	N/A	N/A	53.42	UV	
High Resolution Laterolog Array - B Wellsite Calibration - HRLT V34								
Before: 4-Mar-2008 21:13								
HRLT A3-A4 Voltage Plus - 0	0	N/A	68940	N/A	N/A	2100	UV	
HRLT A3-A4 Voltage Plus - 1	0	N/A	79390	N/A	N/A	2100	UV	
HRLT A3-A4 Voltage Plus - 2	0	N/A	73020	N/A	N/A	2100	UV	
HRLT A3-A4 Voltage Plus - 3	0	N/A	73280	N/A	N/A	2100	UV	
HRLT A3-A4 Voltage Plus - 4	0	N/A	70190	N/A	N/A	2100	UV	
HRLT A3-A4 Voltage Plus - 5	0	N/A	71100	N/A	N/A	2100	UV	
HRLT A3-A4 Voltage Plus - 6	0	N/A	-76000	N/A	N/A	2100	UV	
HRLT A3-A4 Voltage Plus - 7	0	N/A	70000	N/A	N/A	2100	UV	
High Resolution Laterolog Array - B Wellsite Calibration - HRLT V45								
Before: 4-Mar-2008 21:13								
HRLT A4-A5 Voltage Plus - 0	0	N/A	68810	N/A	N/A	2100	UV	
HRLT A4-A5 Voltage Plus - 1	0	N/A	79180	N/A	N/A	2100	UV	
HRLT A4-A5 Voltage Plus - 2	0	N/A	72840	N/A	N/A	2100	UV	
HRLT A4-A5 Voltage Plus - 3	0	N/A	73110	N/A	N/A	2100	UV	
HRLT A4-A5 Voltage Plus - 4	0	N/A	70030	N/A	N/A	2100	UV	
HRLT A4-A5 Voltage Plus - 5	0	N/A	70950	N/A	N/A	2100	UV	
HRLT A4-A5 Voltage Plus - 6	0	N/A	-75800	N/A	N/A	2100	UV	
HRLT A4-A5 Voltage Plus - 7	0	N/A	70000	N/A	N/A	2100	UV	
High Resolution Laterolog Array - B Wellsite Calibration - HRLT V56								
Before: 4-Mar-2008 21:13								
HRLT A5-A6 Voltage Plus - 0	0	N/A	69210	N/A	N/A	2100	UV	
HRLT A5-A6 Voltage Plus - 1	0	N/A	79760	N/A	N/A	2100	UV	
HRLT A5-A6 Voltage Plus - 2	0	N/A	73350	N/A	N/A	2100	UV	
HRLT A5-A6 Voltage Plus - 3	0	N/A	73600	N/A	N/A	2100	UV	
HRLT A5-A6 Voltage Plus - 4	0	N/A	70450	N/A	N/A	2100	UV	
HRLT A5-A6 Voltage Plus - 5	0	N/A	71380	N/A	N/A	2100	UV	
HRLT A5-A6 Voltage Plus - 6	0	N/A	-76370	N/A	N/A	2100	UV	
HRLT A5-A6 Voltage Plus - 7	0	N/A	70000	N/A	N/A	2100	UV	
High Resolution Laterolog Array - B Wellsite Calibration - HRLT VTP								
Before: 4-Mar-2008 21:13								
HRLT Torpedo-M0 Voltage - 0	0	N/A	-68580	N/A	N/A	2100	UV	
HRLT Torpedo-M0 Voltage - 1	0	N/A	-79420	N/A	N/A	2100	UV	
HRLT Torpedo-M0 Voltage - 2	0	N/A	-73070	N/A	N/A	2100	UV	
HRLT Torpedo-M0 Voltage - 3	0	N/A	-73360	N/A	N/A	2100	UV	
HRLT Torpedo-M0 Voltage - 4	0	N/A	-70270	N/A	N/A	2100	UV	
HRLT Torpedo-M0 Voltage - 5	0	N/A	-71210	N/A	N/A	2100	UV	
HRLT Torpedo-M0 Voltage - 6	0	N/A	75970	N/A	N/A	2100	UV	
HRLT Torpedo-M0 Voltage - 7	0	N/A	-70000	N/A	N/A	2100	UV	
High Resolution Laterolog Array - B Wellsite Calibration - HRLT VBD								
Before: 4-Mar-2008 21:13								
HRLT Bridle#9-M0 Voltage - 0	0	N/A	-68590	N/A	N/A	2100	UV	
HRLT Bridle#9-M0 Voltage - 1	0	N/A	-79400	N/A	N/A	2100	UV	
HRLT Bridle#9-M0 Voltage - 2	0	N/A	-73040	N/A	N/A	2100	UV	
HRLT Bridle#9-M0 Voltage - 3	0	N/A	-73340	N/A	N/A	2100	UV	
HRLT Bridle#9-M0 Voltage - 4	0	N/A	-70260	N/A	N/A	2100	UV	
HRLT Bridle#9-M0 Voltage - 5	0	N/A	-71190	N/A	N/A	2100	UV	
HRLT Bridle#9-M0 Voltage - 6	0	N/A	75950	N/A	N/A	2100	UV	
HRLT Bridle#9-M0 Voltage - 7	0	N/A	-70000	N/A	N/A	2100	UV	
High Resolution Laterolog Array - B Wellsite Calibration - HRLT ISO								
Before: 4-Mar-2008 21:13								
HRLT Source Current Plus - 0	0	N/A	286.2	N/A	N/A	8.520	UA	
HRLT Source Current Plus - 1	0	N/A	281.1	N/A	N/A	8.520	UA	
HRLT Source Current Plus - 2	0	N/A	281.1	N/A	N/A	8.520	UA	
HRLT Source Current Plus - 3	0	N/A	281.1	N/A	N/A	8.520	UA	
HRLT Source Current Plus - 4	0	N/A	281.1	N/A	N/A	8.520	UA	
HRLT Source Current Plus - 5	0	N/A	281.1	N/A	N/A	8.520	UA	
HRLT Source Current Plus - 6	0	N/A	281.1	N/A	N/A	8.520	UA	
HRLT Source Current Plus - 7	0	N/A	281.1	N/A	N/A	8.520	UA	
High Resolution Laterolog Array - B Wellsite Calibration - HRLT MV								
Before: 4-Mar-2008 21:13								
HRLT Vertical Voltage PI - 0	0	N/A	-323.0	N/A	N/A	9.681	UV	
HRLT Vertical Voltage PI - 1	0	N/A	-362.2	N/A	N/A	9.681	UV	
HRLT Vertical Voltage PI - 2	0	N/A	-331.7	N/A	N/A	9.681	UV	
HRLT Vertical Voltage PI - 3	0	N/A	-328.9	N/A	N/A	9.681	UV	
HRLT Vertical Voltage PI - 4	0	N/A	-313.0	N/A	N/A	9.681	UV	
HRLT Vertical Voltage PI - 5	0	N/A	-332.1	N/A	N/A	9.681	UV	
HRLT Vertical Voltage PI - 6	0	N/A	367.3	N/A	N/A	9.681	UV	
HRLT Vertical Voltage PI - 7	0	N/A	-322.7	N/A	N/A	9.681	UV	
High resolution Integrated Logging Tool-DTS2 Wellsite Calibration - Stab Measurement Summary								
Before: 3-Mar-2008 13:15								
BS2 Window Ratio	0.7383	N/A	0.7405	N/A	N/A	N/A		
BS2 Window Sum	26790	N/A	26910	N/A	N/A	N/A	CPS	
SS2 Window Ratio	0.4880	N/A	0.4824	N/A	N/A	N/A		
SS2 Window Sum	12320	N/A	12240	N/A	N/A	N/A	CPS	
LS2 Window Ratio	0.2973	N/A	0.3019	N/A	N/A	N/A		
LS2 Window Sum	1478	N/A	1468	N/A	N/A	N/A	CPS	
High resolution Integrated Logging Tool-DTS2 Wellsite Calibration - Photo-multiplier High Voltages Calibrations								
Before: 3-Mar-2008 13:15								
BS2 PM High Voltage (Command)	1403	N/A	1356	N/A	N/A	N/A	V	
SS2 PM High Voltage (Command)	1315	N/A	1307	N/A	N/A	N/A	V	
LS2 PM High Voltage (Command)	1334	N/A	1341	N/A	N/A	N/A	V	
High resolution Integrated Logging Tool-DTS2 Wellsite Calibration - Crystal Quality Resolutions Calibration								
Before: 3-Mar-2008 13:15								
BS2 Crystal Resolution	11.04	N/A	10.82	N/A	N/A	N/A	%	
SS2 Crystal Resolution	9.084	N/A	9.536	N/A	N/A	N/A	%	
LS2 Crystal Resolution	8.323	N/A	8.362	N/A	N/A	N/A	%	
High resolution Integrated Logging Tool-DTS2 Wellsite Calibration - MCFL2 Calibration								
Before: 3-Mar-2008 13:06								
Raw B0 Resistivity	3875	N/A	3837	N/A	N/A	N/A	OHMM	
Raw B1 Resistivity	3830	N/A	3813	N/A	N/A	N/A	OHMM	
Raw B2 Resistivity	3830	N/A	3820	N/A	N/A	N/A	OHMM	
High resolution Integrated Logging Tool-DTS2 Wellsite Calibration - HILT2 Caliper Calibration								
Before: 3-Mar-2008 13:05								
HILT2 Caliper Zero Measurement	203.2	N/A	178.7	N/A	N/A	N/A	MM	
HILT2 Caliper Plus Measurement	304.8	N/A	283.9	N/A	N/A	N/A	MM	
High resolution Integrated Logging Tool-DTS2 Master Calibration - Inversion results								
Master: 22-Feb-2008 12:27								
Rho Aluminum	2596	2601	--	--	--	--	K/M3	
Rho Magnesium	1686	1686	--	--	--	--	K/M3	
Pe Aluminum	2.570	2.561	--	--	--	--		
Pe Magnesium	2.650	2.617	--	--	--	--		
High resolution Integrated Logging Tool-DTS2 Master Calibration - Deviation Summary								
Master: 22-Feb-2008 12:27								
BS2 Average Deviation	0	0.2741	--	--	--	--	%	
BS2 Max Deviation	0	1.036	--	--	--	--	%	
SS2 Average Deviation	0	0.3569	--	--	--	--	%	
SS2 Max Deviation	0	1.416	--	--	--	--	%	
LS2 Average Deviation	0	0.5074	--	--	--	--	%	
LS2 Max Deviation	0	1.283	--	--	--	--	%	
MicroLog - B Wellsite Calibration - MLT Caliper Calibration								
Before: 3-Mar-2008 13:47								
MLT Caliper Small Ring	203.2	N/A	162.1	N/A	N/A	N/A	MM	
MLT Caliper Large Ring	304.8	N/A	265.8	N/A	N/A	N/A	MM	
MicroLog - B Wellsite Calibration - MLT Micro Inverse Calibration								
Before: 3-Mar-2008 13:45								
Micro Inverse Zero	0	N/A	0.0006272	N/A	N/A	0.2000	OHMM	
Micro Inverse Plus	5.000	N/A	4.872	N/A	N/A	0.2000	OHMM	
MicroLog - B Wellsite Calibration - MLT Micro Normal Calibration								
Before: 3-Mar-2008 13:45								
Micro Normal Zero	0	N/A	0.002347	N/A	N/A	0.2000	OHMM	
Micro Normal Plus	6.720	N/A	6.560	N/A	N/A	0.2000	OHMM	
The GLS-VJ source activity is acceptable.								
The HGNS Neutron Master Calibration was done with the following parameters :								
NCT-B Water Temperature	19.4	DEGC.						
Thermal Housing Size	85.750	MM.						
NSR-F serial number	5196							
The GLS-VJ2 source activity is acceptable.								

High resolution Integrated Logging Tool-DTS Wellsite Calibration				High resolution Integrated Logging Tool-DTS Wellsite Calibration			
Zero Measurement				Zero Measurement			
Phase	Gamma Ray Caliper	Zero Measurement	Value	Phase	Gamma Ray Caliper	Zero Measurement	Value
Before			193.8	Before			303.5
0	(Minimum)	(Nominal)	(Maximum)	0	(Minimum)	(Nominal)	(Maximum)
Before: 3-Mar-2008 14:12							

High resolution Integrated Logging Tool-DTS Wellsite Calibration														
Detector Calibration														
Phase	Gamma Ray Background		GAPI	Value	Phase	Gamma Ray (Jig - Bkg)		GAPI	Value	Phase	Gamma Ray (Calibrated)		GAPI	Value
Before				21.54	Before				180.5	Before				162.0
	0	30.00	120.0			164.1	180.5	196.9			147.0	162.0	177.0	
	(Minimum)	(Nominal)	(Maximum)			(Minimum)	(Nominal)	(Maximum)			(Minimum)	(Nominal)	(Maximum)	
Before: 3-Mar-2008 14:39														

High resolution Integrated Logging Tool-DTS Wellsite Calibration											
Zero Measurement											
Phase	CNTC Background			CPS	Value	Phase	CFTC Background			CPS	Value
Master					26.64	Master					26.42
Before					27.19	Before					27.76
5.000		26.64		40.00		5.000		26.42		40.00	
(Minimum)		(Nominal)		(Maximum)		(Minimum)		(Nominal)		(Maximum)	
Master: 15-Jan-2008 15:00					Before: 3-Mar-2008 14:34						

High resolution Integrated Logging Tool-DTS Wellsite Calibration														
Ratio Measurement														
Phase	Thermal Near Corr. (Tank) CPS			Value	Phase	Thermal Far Corr. (Tank) CPS			Value	Phase	CNTC/CFTC (Tank)			Value
Master				6123	Master				2592	Master				2.362
	4700 (Minimum)	5800 (Nominal)	6900 (Maximum)			1900 (Minimum)	2400 (Nominal)	2900 (Maximum)			2.120 (Minimum)	2.159 (Nominal)	2.540 (Maximum)	
Master: 15-Jan-2008 15:00														

High resolution Integrated Logging Tool-DTS			
Wellsite Calibration			
Accelerometer Calibration			
Phase	Z-Axis Acceleration M/S ²		Value
Before			9.810
	9.610 (Minimum)	9.810 (Nominal)	10.01 (Maximum)
Before: 23-Feb-2008 14:50			

High resolution Integrated Logging Tool-DTS Master Calibration							
Inversion results							
Phase	Rho Aluminum K/M3		Value	Phase	Rho Magnesium K/M3		Value
Master			2597	Master			1688
2586 (Minimum)	2596 (Nominal)	2606 (Maximum)		1676 (Minimum)	1686 (Nominal)	1696 (Maximum)	
Phase	Pe Aluminum		Value	Phase	Pe Magnesium		Value
Master			2.564	Master			2.613
2.470 (Minimum)	2.570 (Nominal)	2.670 (Maximum)		2.550 (Minimum)	2.650 (Nominal)	2.750 (Maximum)	
Master: 15-Feb-2008 16:22							

High resolution Integrated Logging Tool-DTS Master Calibration														
Deviation Summary														
Phase	BS Average Deviation %			Value	Phase	SS Average Deviation %			Value	Phase	LS Average Deviation %			Value
Master				0.2990	Master				0.4137	Master				0.5746
	-0.6000 (Minimum)	0 (Nominal)	0.6000 (Maximum)			-1.000 (Minimum)	0 (Nominal)	1.000 (Maximum)			-1.500 (Minimum)	0 (Nominal)	1.500 (Maximum)	
Phase	BS Max Deviation %			Value	Phase	SS Max Deviation %			Value	Phase	LS Max Deviation %			Value
Master				1.040	Master				0.9796	Master				1.170
	-1.600 (Minimum)	0 (Nominal)	1.600 (Maximum)			-2.500 (Minimum)	0 (Nominal)	2.500 (Maximum)			-3.500 (Minimum)	0 (Nominal)	3.500 (Maximum)	
Master: 15-Feb-2008 16:22														

High resolution Integrated Logging Tool-DTS Master Calibration											
Zero Measurement											
Phase	CNTC Background			CPS	Value	Phase	CFTC Background			CPS	Value
Master					26.64	Master					26.42
5.000		26.64		40.00		5.000		26.42		40.00	
(Minimum)		(Nominal)		(Maximum)		(Minimum)		(Nominal)		(Maximum)	
Master: 15-Jan-2008 15:00											

High resolution Integrated Logging Tool-DTS Master Calibration														
Tank Measurement														
Phase	Thermal Near Corr. (Tank)			Value	Phase	Thermal Far Corr. (Tank)			Value	Phase	CNTC/CFTC (Tank)			Value
Master				6123	Master				2592	Master				2.362
	4700 (Minimum)	5800 (Nominal)	6900 (Maximum)			1900 (Minimum)	2400 (Nominal)	2900 (Maximum)			2.120 (Minimum)	2.159 (Nominal)	2.540 (Maximum)	
Master: 15-Jan-2008 15:00														

Combinable Magnetic Resonance Tool - B / Equipment Identification			
Primary Equipment:			
CMR-B Sonde	CMRS - BA	182	
CMR Cartridge	CMRC - BA	202	
Auxiliary Equipment:			

Combinable Magnetic Resonance Tool - B Master Calibration																
Date of Master Calibration: 16-Jan-2008																
Phase	Tool Temperature MCAL			DEGC	Value	Phase	LOOP Measurement MCAL			Value	Phase	Hall Probe B0 MCAL			MTES	Value
Master					17.02	Master				1863	Master					52.77
	10.00	27.00	44.00			1500	2300	2900			50.00	52.00	55.00			
	(Minimum)	(Nominal)	(Maximum)			(Minimum)	(Nominal)	(Maximum)			(Minimum)	(Nominal)	(Maximum)			
Phase	Cal. Fixture Amplitude MCAL			%	Value											
Master					27.91											
	25.00	37.50	50.00													
	(Minimum)	(Nominal)	(Maximum)													
Master: 4-Mar-2008 20:45																

High Resolution Laterolog Array - B / Equipment Identification			
Primary Equipment:			
HRLT Sonde	HRLS - B	1704	
Auxiliary Equipment:			
HRLT lower Housing	HRLH - B	763	
HRLT Lower Cartridge	HRLC - B	951	
HRLT upper Housing	HRUH - B	1716	
HRLT Upper Cartridge	HRUC - B	1714	

High Resolution Laterolog Array - B Wellsite Calibration							
HRLT M01							
Idx	Phase	HRLT M0-M1 Voltage Plus	UV	Value	Nominal	Maximum	Minimum
0	Before			-321.3	-322.7	-280.7	-379.7
1	Before			-369.6	-322.7	-280.7	-379.7
2	Before			-339.0	-322.7	-280.7	-379.7
3	Before			-337.9	-322.7	-280.7	-379.7
4	Before			-324.2	-322.7	-280.7	-379.7
5	Before			-328.0	-322.7	-280.7	-379.7
6	Before			360.0	322.7	379.7	280.7
7	Before			-322.7	-322.7	-280.7	-379.7
		(Minimum)	(Nominal)	(Maximum)			
Before: 4-Mar-2008 21:13							

High Resolution Laterolog Array - B Wellsite Calibration							
HRLT M12							
Idx	Phase	HRLT M1-M2 Voltage Plus UV	Value	Nominal	Maximum	Minimum	
0	Before		1766	1781	2095	1549	
1	Before		2023	1781	2095	1549	
2	Before		1853	1781	2095	1549	
3	Before		1849	1781	2095	1549	
4	Before		1778	1781	2095	1549	
5	Before		1801	1781	2095	1549	
6	Before		-1979	-1781	-1549	-2095	
7	Before		1781	1781	2095	1549	
		(Minimum) (Nominal) (Maximum)					
Before: 4-Mar-2008 21:13							

High Resolution Laterolog Array - B Wellsite Calibration							
HRLT M23							
Idx	Phase	HRLT M2-M3 Voltage Plus	UV	Value	Nominal	Maximum	Minimum
0	Before			1750	1781	2095	1549
1	Before			2023	1781	2095	1549
2	Before			1853	1781	2095	1549
3	Before			1851	1781	2095	1549
4	Before			1773	1781	2095	1549
5	Before			1795	1781	2095	1549
6	Before			-1966	-1781	-1549	-2095
7	Before			1781	1781	2095	1549
		(Minimum)	(Nominal)	(Maximum)			
Before: 4-Mar-2008 21:13							

High Resolution Laterolog Array - B Wellsite Calibration							
HRLT V34							
Idx	Phase	HRLT A3-A4 Voltage Plus	UV	Value	Nominal	Maximum	Minimum
0	Before			68940	70000	82360	60900
1	Before			79390	70000	82360	60900
2	Before			73020	70000	82360	60900
3	Before			73280	70000	82360	60900
4	Before			70190	70000	82360	60900
5	Before			71100	70000	82360	60900
6	Before			-76000	-70000	-60900	-82360
7	Before			70000	70000	82360	60900
		(Minimum)	(Nominal)	(Maximum)			
Before: 4-Mar-2008 21:13							

Before				72840	70000	82360	60900
3	Before			73110	70000	82360	60900
4	Before			70030	70000	82360	60900
5	Before			70950	70000	82360	60900
6	Before			-75800	-70000	-60900	-82360
7	Before			70000	70000	82360	60900
				(Minimum)	(Nominal)	(Maximum)	
Before: 4-Mar-2008 21:13							

High Resolution Laterolog Array - B Wellsite Calibration							
HRLT V56							
Idx	Phase	HRLT A5-A6 Voltage Plus UV		Value	Nominal	Maximum	Minimum
0	Before			69210	70000	82360	60900
1	Before			79760	70000	82360	60900
2	Before			73350	70000	82360	60900
3	Before			73600	70000	82360	60900
4	Before			70450	70000	82360	60900
5	Before			71380	70000	82360	60900
6	Before			-76370	-70000	-60900	-82360
7	Before			70000	70000	82360	60900
				(Minimum)	(Nominal)	(Maximum)	
Before: 4-Mar-2008 21:13							

High Resolution Laterolog Array - B Wellsite Calibration							
HRLT VTP							
Idx	Phase	HRLT Torpedo-M0 Voltage Plus UV		Value	Nominal	Maximum	Minimum
0	Before			-68580	-70000	-60900	-82360
1	Before			-79420	-70000	-60900	-82360
2	Before			-73070	-70000	-60900	-82360
3	Before			-73360	-70000	-60900	-82360
4	Before			-70270	-70000	-60900	-82360
5	Before			-71210	-70000	-60900	-82360
6	Before			75970	70000	82360	60900
7	Before			-70000	-70000	-60900	-82360
				(Minimum)	(Nominal)	(Maximum)	
Before: 4-Mar-2008 21:13							

High Resolution Laterolog Array - B Wellsite Calibration							
HRLT VBD							
Idx	Phase	HRLT Bridle#9-M0 Voltage Plus UV		Value	Nominal	Maximum	Minimum
0	Before			-68590	-70000	-60900	-82360
1	Before			-79400	-70000	-60900	-82360
2	Before			-73040	-70000	-60900	-82360
3	Before			-73340	-70000	-60900	-82360
4	Before			-70260	-70000	-60900	-82360
5	Before			-71190	-70000	-60900	-82360
6	Before			75950	70000	82360	60900
7	Before			-70000	-70000	-60900	-82360
				(Minimum)	(Nominal)	(Maximum)	
Before: 4-Mar-2008 21:13							

High Resolution Laterolog Array - B Wellsite Calibration							
HRLT ISO							
Idx	Phase	HRLT Source Current Plus UA		Value	Nominal	Maximum	Minimum
0	Before			286.2	284.0	334.1	247.0
1	Before			281.1	281.1	330.7	244.4
2	Before			281.1	281.1	330.7	244.4
3	Before			281.1	281.1	330.7	244.4
4	Before			281.1	281.1	330.7	244.4
5	Before			281.1	281.1	330.7	244.4
6	Before			281.1	281.1	330.7	244.4
7	Before			281.1	281.1	330.7	244.4
				(Minimum)	(Nominal)	(Maximum)	
Before: 4-Mar-2008 21:13							

High Resolution Laterolog Array - B Wellsite Calibration							
HRLT MV							
Idx	Phase	HRLT Vertical Voltage Plus UV		Value	Nominal	Maximum	Minimum
0	Before			-323.0	-322.7	-280.7	-379.7
1	Before			-362.2	-322.7	-280.7	-379.7
2	Before			-331.7	-322.7	-280.7	-379.7
3	Before			-328.9	-322.7	-280.7	-379.7
4	Before			-313.0	-322.7	-280.7	-379.7
5	Before			-332.1	-322.7	-280.7	-379.7
6	Before			367.3	322.7	379.7	280.7
7	Before			-322.7	-322.7	-280.7	-379.7
				(Minimum)	(Nominal)	(Maximum)	
Before: 4-Mar-2008 21:13							

High resolution Integrated Logging Tool-DTS2 / Equipment Identification			
Primary Equipment:			
HILT2 high-Resolution Mechanical Sonde	HRMS - H2	3983	
HILT2 Rxo Gamma-ray Device	HRGD - H2	4709	
HILT2 Micro Cylindrically Focused Log De	MCFL - H2		
GR Logging Source	GLS - VJ2	1984	
HILT2 High Res. Control Cartridge	HRCC - H2	3990	
HILT2 HTBC DTS mode	HTBC - H2	3733	
HTBC2 Communication Assembly DTS Mode	HMCA - H	3733	
Auxiliary Equipment:			

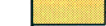
High resolution Integrated Logging Tool-DTS2 Wellsite Calibration														
Stab Measurement Summary														
Phase	BS2 Window Ratio			Value	Phase	SS2 Window Ratio			Value	Phase	LS2 Window Ratio			Value
Before				0.7405	Before				0.4824	Before				0.3019
	0.7014 (Minimum)	0.7383 (Nominal)	0.7753 (Maximum)			0.4636 (Minimum)	0.4880 (Nominal)	0.5124 (Maximum)			0.2824 (Minimum)	0.2973 (Nominal)	0.3122 (Maximum)	
Phase	BS2 Window Sum CPS			Value	Phase	SS2 Window Sum CPS			Value	Phase	LS2 Window Sum CPS			Value
Before				26910	Before				12240	Before				1468
	25450 (Minimum)	26790 (Nominal)	28130 (Maximum)			11710 (Minimum)	12320 (Nominal)	12940 (Maximum)			1405 (Minimum)	1478 (Nominal)	1552 (Maximum)	
Before: 3-Mar-2008 13:15														

High resolution Integrated Logging Tool-DTS2 Wellsite Calibration														
Photo-multiplier High Voltages Calibrations														
Phase	BS2 PM High Voltage (Command) ↓			Value	Phase	SS2 PM High Voltage (Command) ↓			Value	Phase	LS2 PM High Voltage (Command) ↓			Value
Before				1356	Before				1307	Before				1341
	1303 (Minimum)	1403 (Nominal)	1503 (Maximum)			1215 (Minimum)	1315 (Nominal)	1415 (Maximum)			1234 (Minimum)	1334 (Nominal)	1434 (Maximum)	
Before: 3-Mar-2008 13:15														

High resolution Integrated Logging Tool-DTS2 Wellsite Calibration														
Crystal Quality Resolutions Calibration														
Phase	BS2 Crystal Resolution %			Value	Phase	SS2 Crystal Resolution %			Value	Phase	LS2 Crystal Resolution %			Value
Before				10.82	Before				9.536	Before				8.362
	10.04 (Minimum)	11.04 (Nominal)	12.04 (Maximum)			8.084 (Minimum)	9.084 (Nominal)	10.08 (Maximum)			7.323 (Minimum)	8.323 (Nominal)	9.323 (Maximum)	
Before: 3-Mar-2008 13:15														

High resolution Integrated Logging Tool-DTS2 Wellsite Calibration														
MCFL2 Calibration														
Phase	Raw B0 Resistivity OHMM			Value	Phase	Raw B1 Resistivity OHMM			Value	Phase	Raw B2 Resistivity OHMM			Value
Before				3837	Before				3813	Before				3820
	3565 (Minimum)	3875 (Nominal)	4185 (Maximum)			3524 (Minimum)	3830 (Nominal)	4136 (Maximum)			3524 (Minimum)	3830 (Nominal)	4136 (Maximum)	
Before: 3-Mar-2008 13:06														

High resolution Integrated Logging Tool-DTS2 Wellsite Calibration											
HILT2 Caliper Calibration											
Phase	HILT2 Caliper Zero Measurement MM			Value	Phase	HILT2 Caliper Plus Measurement MM			Value		
Before				178.7	Before				283.9		
	152.4 (Minimum)	203.2 (Nominal)	254.0 (Maximum)			228.6 (Minimum)	304.8 (Nominal)	381.0 (Maximum)			
Before: 3-Mar-2008 13:05											

High resolution Integrated Logging Tool-DTS2 Master Calibration											
Inversion results											
Phase	Rho Aluminum K/M3			Value	Phase	Rho Magnesium K/M3			Value		
Master				2601	Master				1686		
	2586 (Minimum)	2596 (Nominal)	2606 (Maximum)			1676 (Minimum)	1686 (Nominal)	1696 (Maximum)			
Phase	Pe Aluminum			Value	Phase	Pe Magnesium			Value		
Master				2.561	Master				2.617		
	2.470 (Minimum)	2.570 (Nominal)	2.670 (Maximum)			2.550 (Minimum)	2.650 (Nominal)	2.750 (Maximum)			
Master: 22-Feb-2008 12:27											

High resolution Integrated Logging Tool-DTS2 Master Calibration														
Deviation Summary														
Phase	BS2 Average Deviation %			Value	Phase	SS2 Average Deviation %			Value	Phase	LS2 Average Deviation %			Value
Master				0.2741	Master				0.3569	Master				0.5074
	-0.6000 (Minimum)	0 (Nominal)	0.6000 (Maximum)			-1.000 (Minimum)	0 (Nominal)	1.000 (Maximum)			-1.500 (Minimum)	0 (Nominal)	1.500 (Maximum)	
Phase	BS2 Max Deviation %			Value	Phase	SS2 Max Deviation %			Value	Phase	LS2 Max Deviation %			Value
Master				1.036	Master				1.416	Master				1.283
	-1.600 (Minimum)	0 (Nominal)	1.600 (Maximum)			-2.500 (Minimum)	0 (Nominal)	2.500 (Maximum)			-3.500 (Minimum)	0 (Nominal)	3.500 (Maximum)	
Master: 22-Feb-2008 12:27														

MicroLog - B Wellsite Calibration							
MLT Micro Inverse Calibration							
Phase	Micro Inverse Zero OHMM		Value	Phase	Micro Inverse Plus OHMM		Value
Before			0.0006272	Before			4.872
	-2.000 (Minimum)	0 (Nominal)	2.000 (Maximum)		1.000 (Minimum)	5.000 (Nominal)	9.000 (Maximum)
Before: 3-Mar-2008 13:45							

MicroLog - B Wellsite Calibration							
MLT Micro Normal Calibration							
Phase	Micro Normal Zero OHMM		Value	Phase	Micro Normal Plus OHMM		Value
Before			0.002347	Before			6.560
	-2.000 (Minimum)	0 (Nominal)	2.000 (Maximum)		2.720 (Minimum)	6.720 (Nominal)	10.72 (Maximum)
Before: 3-Mar-2008 13:45							

DTS Telemetry Tool / Equipment Identification			
Primary Equipment:			
DTC-H Auxiliary Cartridge	DTCH - A	9397	
DTC-H Telemetry Cartridge	DTCH - A	9397	
Auxiliary Equipment:			
DTCH Telemetry Cartridge Housing	ECH - KC	10485	

Company:

PETRO-CANADA

Well:

PETRO-CANADA BLACKWATER KWIJIKA M-59

Field:

KWIJIKA

Province:

NORTHWEST TERRITORIES

MD

Schlumberger

MD

PLATFORM EXPRESS

HIGH RESOLUTION LATEROLOG ARRAY