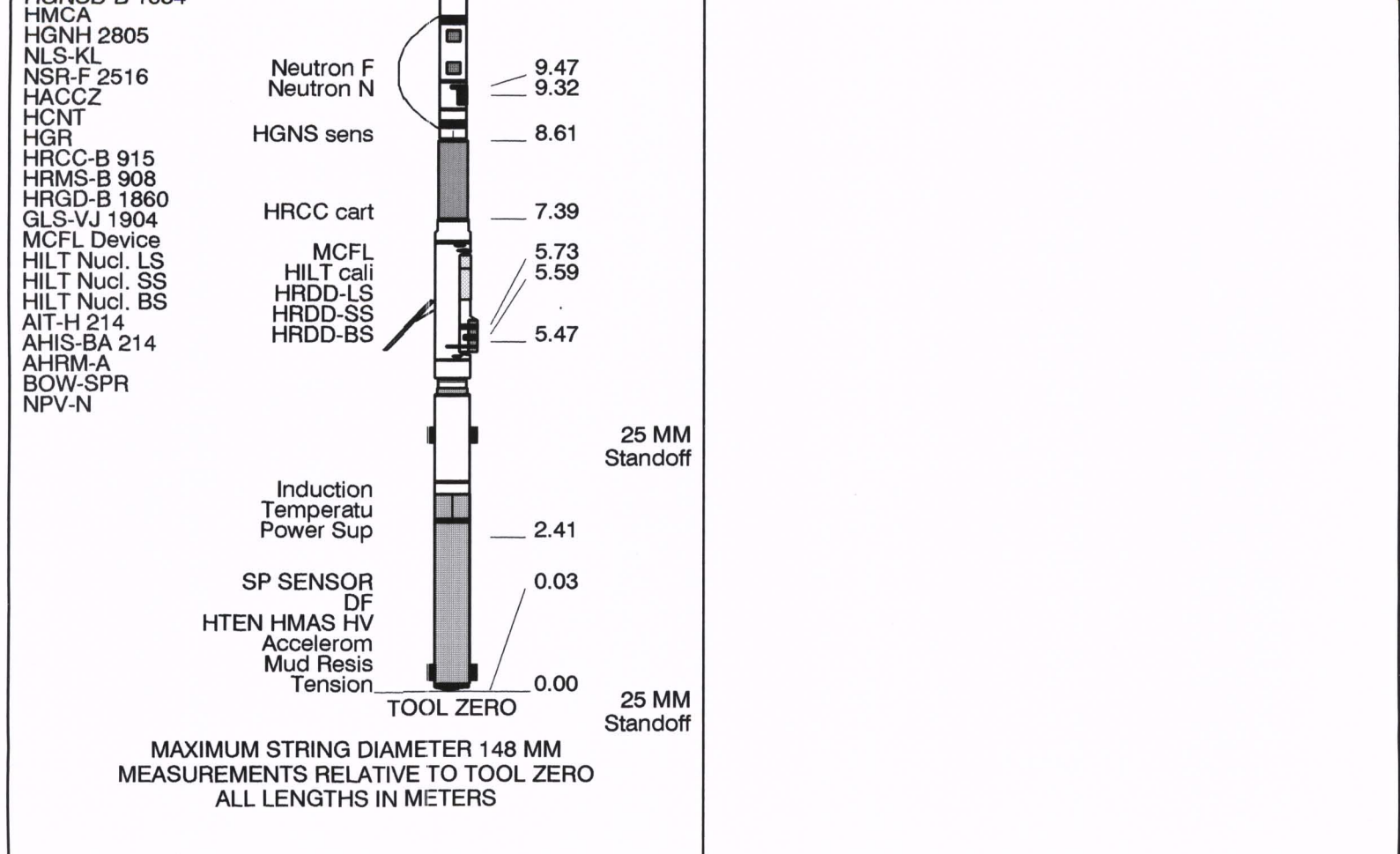




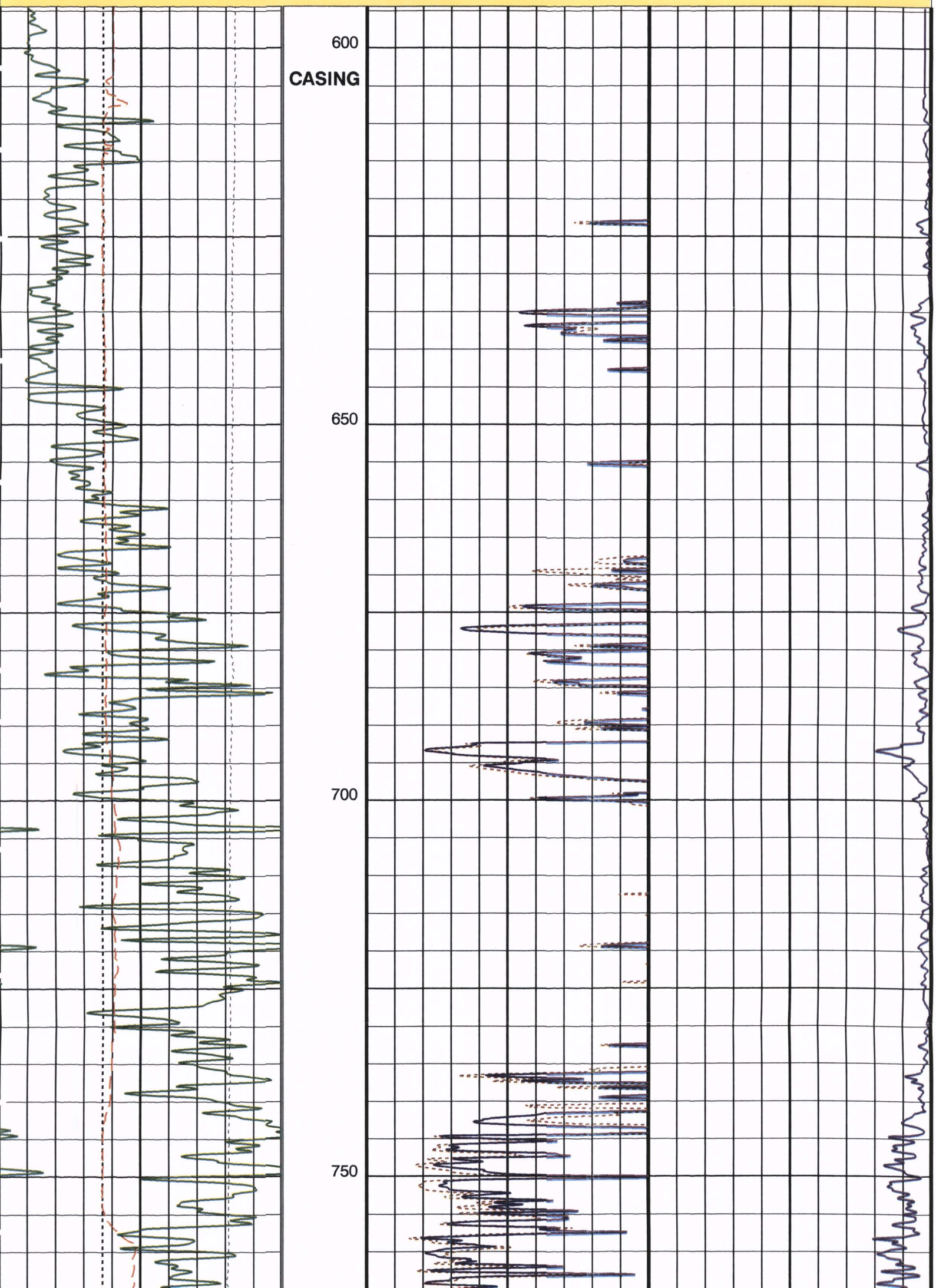
Output DLIS Files					
DEFAULT	AIT_TLD_MCFL_CNL_012LUP	FN:25	PRODUCER	15-Mar-2004 01:04	
BACKUP	AIT_TLD_MCFL_CNL_012LUP	FN:26	PRODUCER	15-Mar-2004 01:19	
CUST	AIT_TLD_MCFL_CNL_012LUP	FN:27	PRODUCER	15-Mar-2004 01:04	

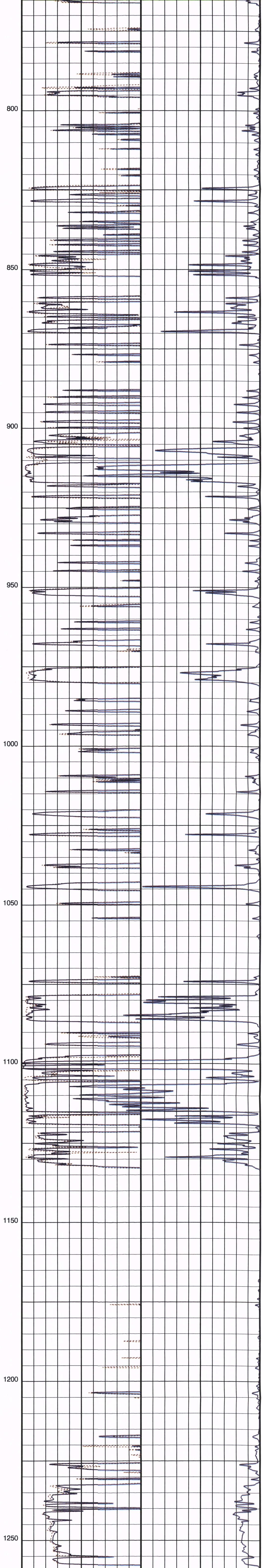
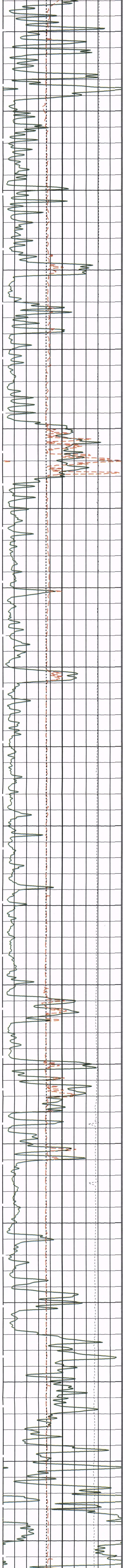
OP System Version: 11C0-305			
MCM			
HILTB-FTB	11C0-305	LDT-D	11C0-305
DTA-A	OP11-KP1	DTC-H	11C0-305

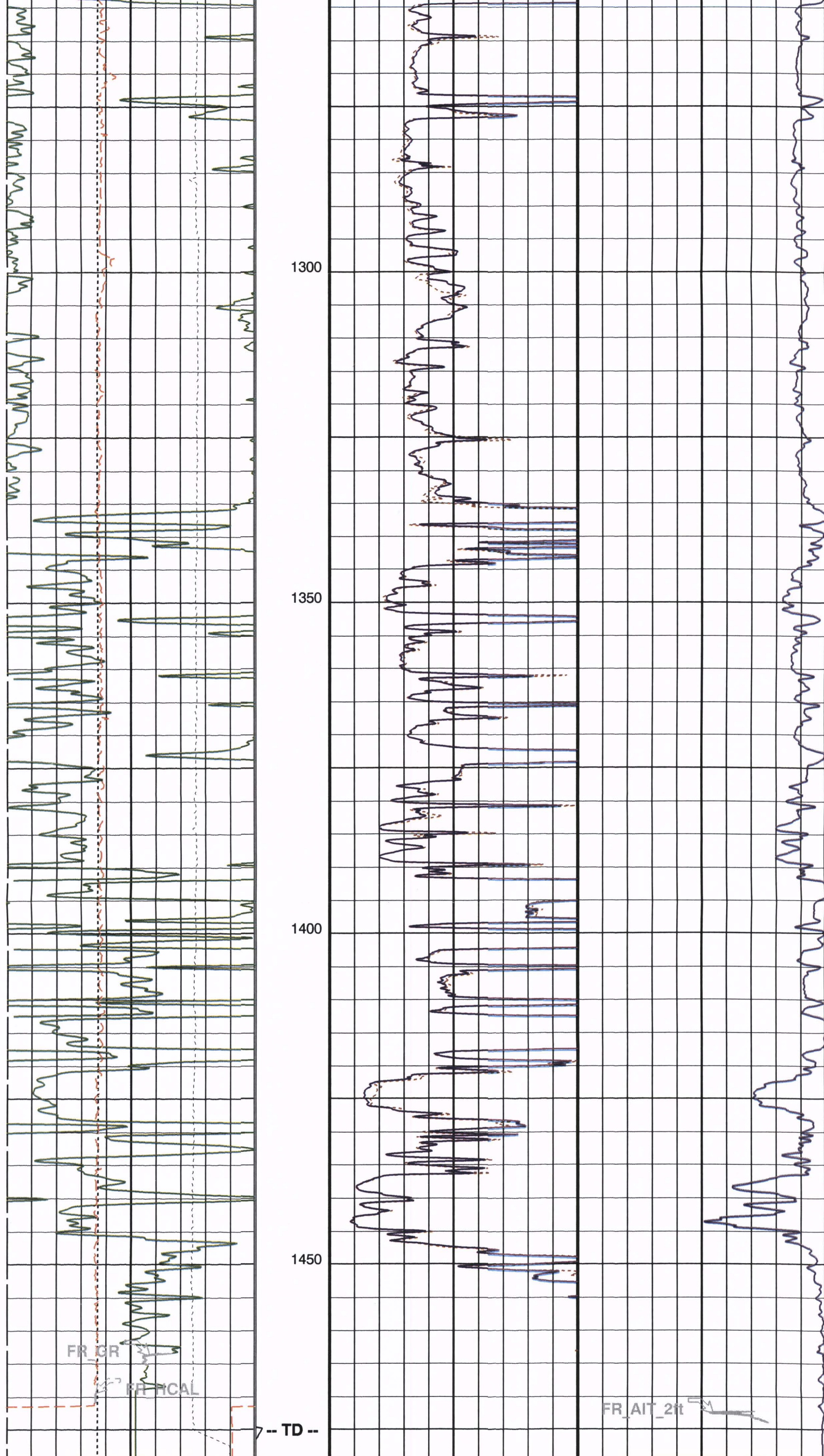
Changed Parameter Summary			
DLIS Name	New Value	Previous Value	Depth & Time
BHT	21 DEGC	20 DEGC	1394.1 01:16:49
SHT	-5 DEGC	20 DEGC	1345.0 01:21:38

PIP SUMMARY			
Time Mark Every 60 S			
Tension (TENS)		AIT-H 90 Inch Investigation (AHT90)	
25000 (N)		0	50
Gamma Ray (GR)		AIT-H 20 Inch Investigation (AHT20)	
0	150	0	50
(GAPI)		(OHMM)	
Bit Size (BS)		AIT-H 90 Inch Investigation Conductivity (AHTCO90)	
125	375	0	50
(MM)		(MM/M)	
HILT Caliper (HCAL)		Stuck Stretch (STIT)	
125	375	0	20
(MM)		(M)	

MAIN PASS: *** PLATFORM EXPRESS - ARRAY INDUCTION ***







MAIN PASS: *** PLATFORM EXPRESS - ARRAY INDUCTION ***

HILT Caliper (HCAL) (MM) 125375			Stuck Stretch (STIT) (M) 020	AIT-H 90 Inch Investigation Conductivity (AHTCO90) (MM/M) 10000		
Bit Size (BS) (MM) 125375				AIT-H 20 Inch Investigation (AHT20) (OHMM) 050		
Gamma Ray (GR) (GAPI) 0150				AIT-H 90 Inch Investigation (AHT90) (OHMM) 050		
Tension (TENS) (N) 250000						

PIP SUMMARY

Time Mark Every 60 S

AIT-H Answer Product Processing Summary. Data taken with Tool # 214 (AHTNO)

...Acquired data from HILT/HAIT

***** Borehole Correction *****

Effective Mud Resistivity computed. Borehole diameter taken as input (see GCSE parameter)

Tool is run in ECCENTERED mode with a tool stand-off of 25.00 MM. Bit Size is 216.00 MM.

***** Input Selections to AIT-H Answer Product Processing *****

Caliper (GCSE): HCAL Mud Resistivity (GRSE): AHMF Temperature (GTSE): HTEM Porosity (FPHI): DPHZ

***** Other Parameters used by AIT-H Answer Product Processing *****

***** AIT-H Answer Product Processing Control Parameters *****

(AHAPL): 2_BholeCorr_BasicLogs

(AHBHM): 0_ComputeMudResistivity (AHBLM): 6_One_Two_and_Four

Parameters		
DLIS Name	Description	Value
HILTB-FTB: High resolution Integrated Logging Tool-DTS		
AHBHM	Array Induction Borehole Correction Mode	0_ComputeMudResistivity
AHBHV	Array Induction Borehole Correction Code Version Number	880
AHBLM	Array Induction Basic Logs Mode	6_One_Two_and_Four
AHBLV	Array Induction Basic Logs Code Version Number	108
AHCDE	Array Induction Casing Detection Enable	Yes
AHCEN	Array Induction Tool Centering Flag (in Borehole)	Eccentered
AHFRSV	Array Induction Response Set Version for Four ft Resolution	40.70.24.21
AHMRF	Array Induction Mud Resistivity Factor	1
AHORSV	Array Induction Response Set Version for One ft Resolution	40.70.24.21
AHRFV	Array Induction Radial Profiling Code Version Number	700
AHRPV	Array Induction Radial Parametrization Code Version Number	223
AHSTA	Array Induction Tool Standoff	25 MM
AHTRSV	Array Induction Response Set Version for Two ft Resolution	40.70.24.21
BHT	Bottom Hole Temperature (used in calculations)	20 DEGC
FEXP	Form Factor Exponent	2
FNUM	Form Factor Numerator	1
GCSE	Generalized Caliper Selection	HCAL
GDEV	Average Angular Deviation of Borehole from Normal	0 DEG
GGRD	Geothermal Gradient	0.018227 DC/M
GRSE	Generalized Mud Resistivity Selection	AITH_RESIST
GTSE	Generalized Temperature Selection	HSTS_HTEM
SHT	Surface Hole Temperature	20 DEGC
HOLEV: Integrated Hole/Cement Volume		
BHT	Bottom Hole Temperature (used in calculations)	20 DEGC
GCSE	Generalized Caliper Selection	HCAL
GDEV	Average Angular Deviation of Borehole from Normal	0 DEG
GGRD	Geothermal Gradient	0.018227 DC/M
GRSE	Generalized Mud Resistivity Selection	AITH_RESIST
GTSE	Generalized Temperature Selection	HSTS_HTEM
SHT	Surface Hole Temperature	20 DEGC
STI: Stuck Tool Indicator		
LBFR	Trigger for MAXIS First Reading Label	TDL
STKT	STI Stuck Threshold	1.524 M
TDD	Total Depth - Driller	1476.00 M
TDL	Total Depth - Logger	1475.00 M
System and Miscellaneous		
BS	Bit Size	216.000 MM
DFD	Drilling Fluid Density	1200.00 K/M3
DORL	Depth Offset for Repeat Analysis	0.0 M
MST	Mud Sample Temperature	-50000.00 DEGC
TD	Total Depth	1475 M

Format: AITH2_S2 Vertical Scale: 1:600 Graphics File Created: 15-Mar-2004 01:04

OP System Version: 11C0-305			
MCM			
HILTB-FTB	11C0-305	LDT-D	11C0-305
DTA-A	OP11-KP1	DTC-H	11C0-305

Output DLIS Files				
DEFAULT	AIT_TLD_MCFL_CNL_012LUP	FN:25	PRODUCER	15-Mar-2004 01:04
BACKUP	AIT_TLD_MCFL_CNL_012LUP	FN:26	PRODUCER	15-Mar-2004 01:19
CUST	AIT_TLD_MCFL_CNL_012LUP	FN:27	PRODUCER	15-Mar-2004 01:04

Output DLIS Files				
DEFAULT	AIT_TLD_MCFL_CNL_012LUP	FN:25	PRODUCER	15-Mar-2004 01:04
BACKUP	AIT_TLD_MCFL_CNL_012LUP	FN:26	PRODUCER	15-Mar-2004 01:19
CUST	AIT_TLD_MCFL_CNL_012LUP	FN:27	PRODUCER	15-Mar-2004 01:04

OP System Version: 11C0-305			
MCM			
HILTB-FTB	11C0-305	LDT-D	11C0-305
DTA-A	OP11-KP1	DTC-H	11C0-305

Changed Parameter Summary				
DLIS Name	New Value	Previous Value	Depth & Time	
BHT	21 DEGC	20 DEGC	1394.1	01:16:49
SHT	-5 DEGC	20 DEGC	1345.0	01:21:38

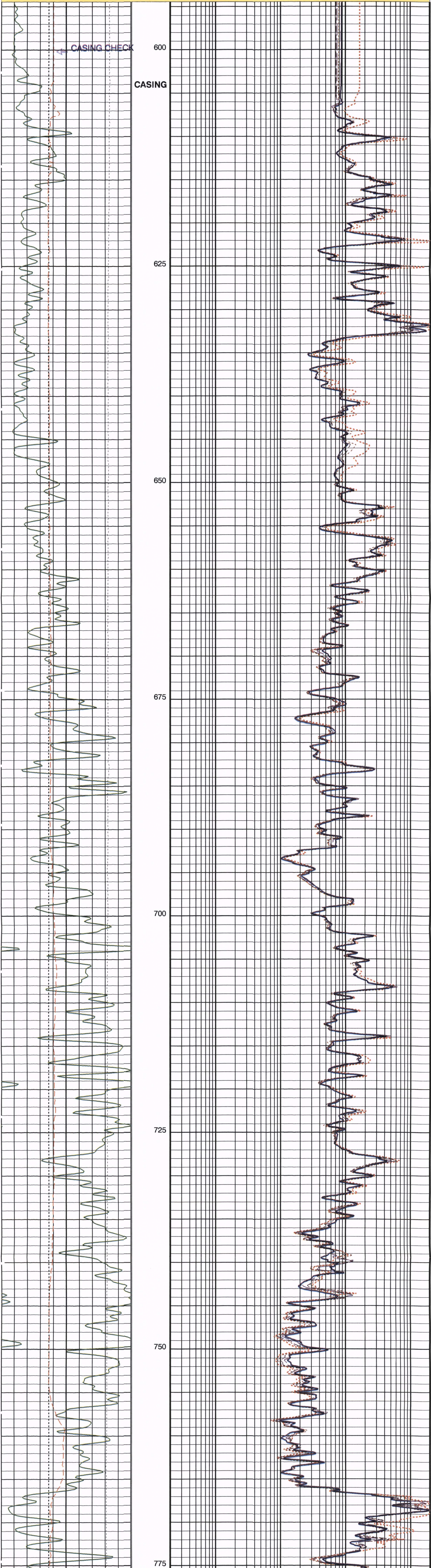
PIP SUMMARY

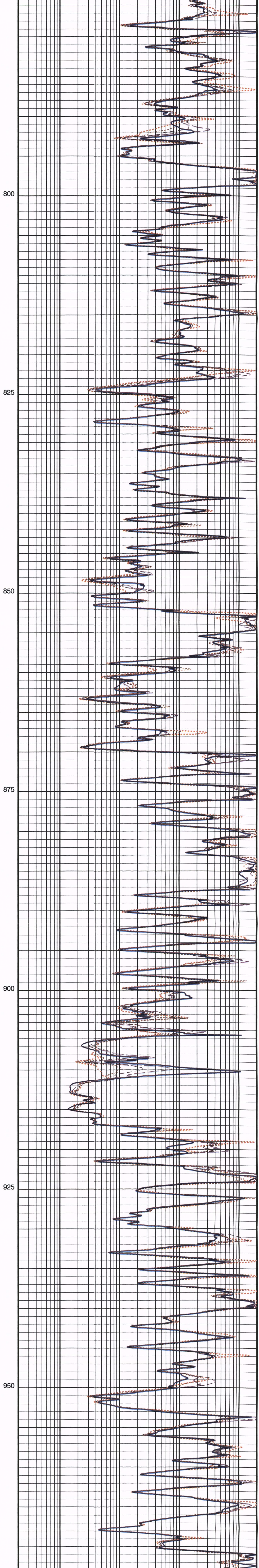
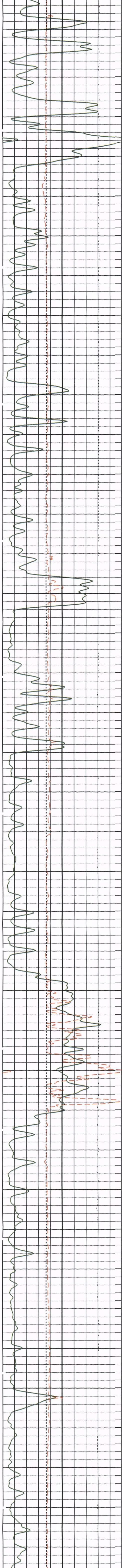
Time Mark Every 60 S

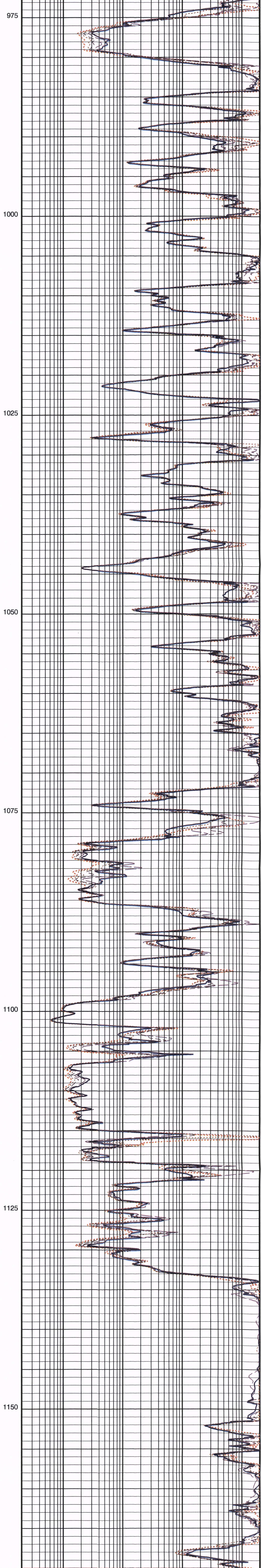
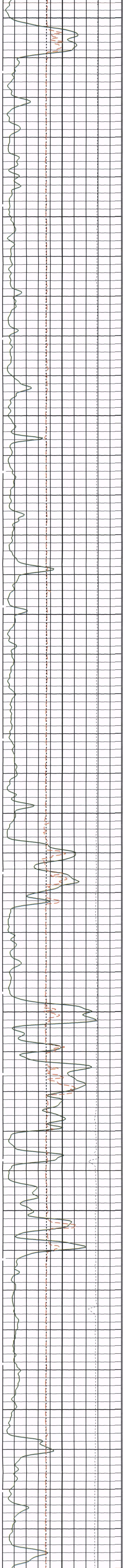
AIT-H 90 Inch Investigation (AHT90)	
0	50

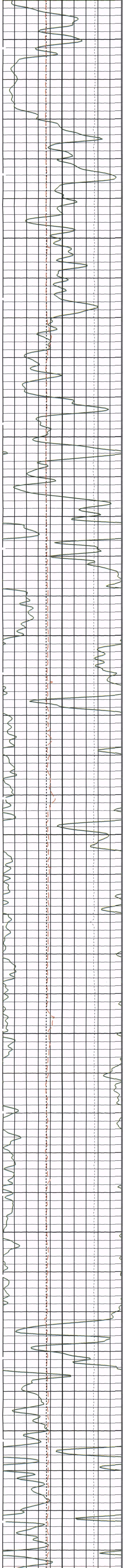
Tension (TENS) 25000 (N) 0		AIT-H 60 Inch Investigation (AHT60) (OHMM) 2000	
Gamma Ray (GR) (GAPI) 0 150		AIT-H 30 Inch Investigation (AHT30) (OHMM) 2000	
Bit Size (BS) (MM) 125 375		AIT-H 20 Inch Investigation (AHT20) (OHMM) 2000	
HILT Caliper (HCAL) (MM) 125 375		AIT-H 10 Inch Investigation (AHT10) (OHMM) 2000	
Stuck Stretch (STIT) (M) 0 20			

MAIN PASS: *** PLATFORM EXPRESS - ARRAY INDUCTION ***









1175

1200

1225

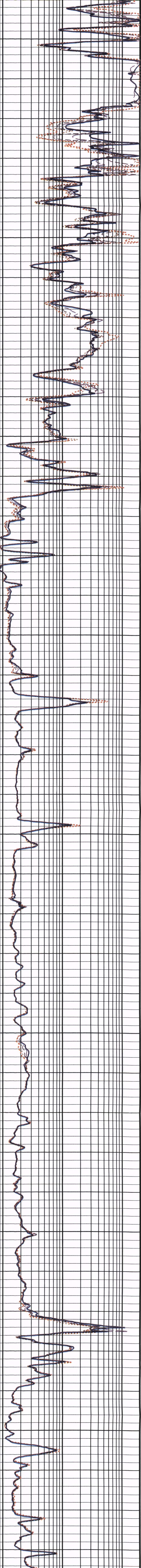
1250

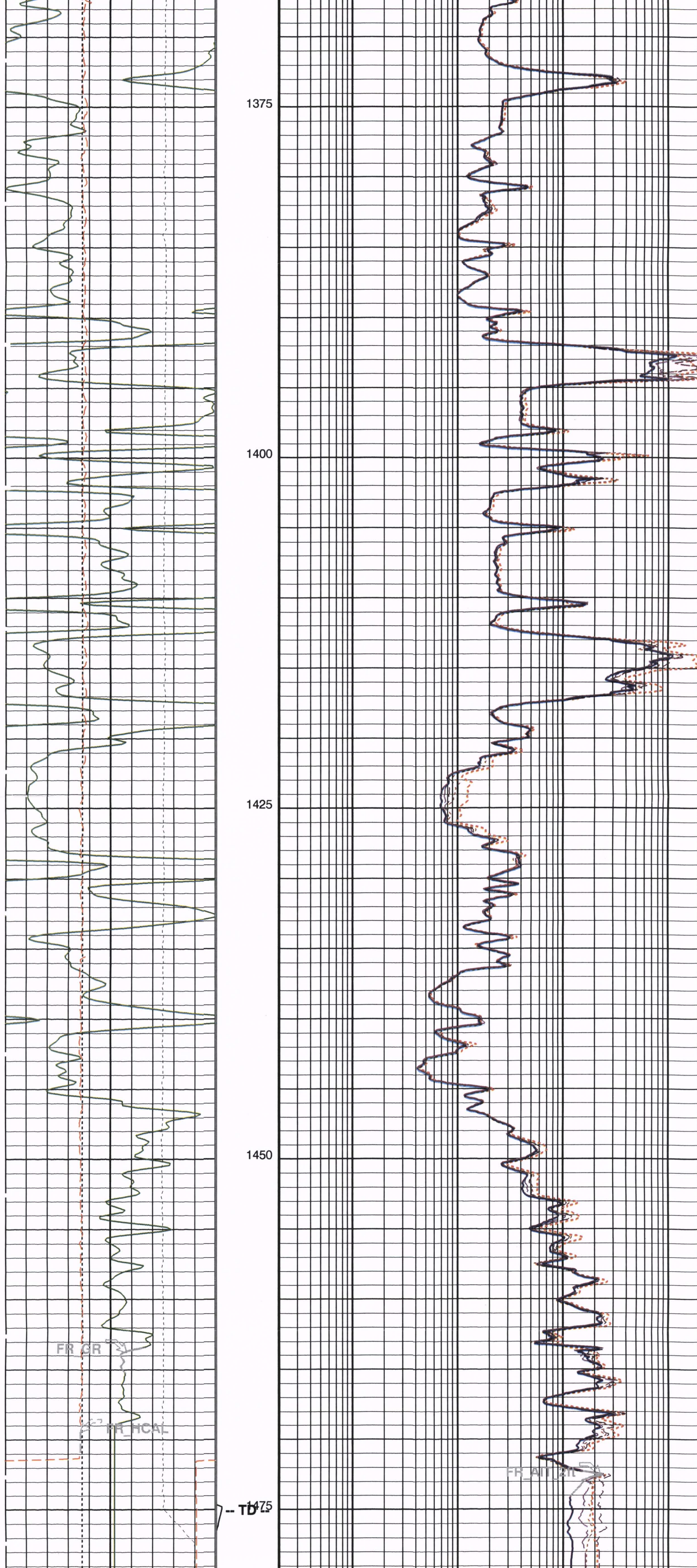
1275

1300

1325

1350





MAIN PASS: *** PLATFORM EXPRESS - ARRAY INDUCTION ***

125	HILT Caliper (HCAL) (MM)	375	0.2	AIT-H 10 Inch Investigation (AHT10) (OHMM)	2000
125	Bit Size (BS) (MM)	375	0.2	AIT-H 20 Inch Investigation (AHT20) (OHMM)	2000
0	Gamma Ray (GR) (GAPI)	150	0.2	AIT-H 30 Inch Investigation (AHT30) (OHMM)	2000
	Tension (TENS) 25000 (N)	0	0.2	AIT-H 60 Inch Investigation (AHT60) (OHMM)	2000
			0.2	AIT-H 90 Inch Investigation (AHT90) (OHMM)	2000

PIP SUMMARY

Time Mark Every 60 S

AIT-H Answer Product Processing Summary. Data taken with Tool # 214 (AHTNO)

...Acquired data from HILT/HAIT

***** Borehole Correction *****

Effective Mud Resistivity computed. Borehole diameter taken as input (see GCSE parameter)

Tool is run in ECCENTERED mode with a tool stand-off of 25.00 MM. Bit Size is 216.00 MM.

***** Input Selections to AIT-H Answer Product Processing *****

Caliper (GCSE): HCAL Mud Resistivity (GRSE): AHMF Temperature (GTSE): HTEM Porosity (FPHI): DPHZ

***** Other Parameters used by AIT-H Answer Product Processing *****

***** AIT-H Answer Product Processing Control Parameters *****

(AHAPL): 2_BholeCorr_BasicLogs

(AHBHM): 0_ComputeMudResistivity (AHBLM): 6_One_Two_and_Four

Parameters

DLIS Name	Description	Value
HILTB-FTB: High resolution Integrated Logging Tool-DTS		
AHBHM	Array Induction Borehole Correction Mode	0_ComputeMudResistivity
AHBHV	Array Induction Borehole Correction Code Version Number	880
AHBLM	Array Induction Basic Logs Mode	6_One_Two_and_Four
AHBLV	Array Induction Basic Logs Code Version Number	108
AHCDE	Array Induction Casing Detection Enable	Yes
AHCEN	Array Induction Tool Centering Flag (in Borehole)	Eccentered
AHFRSV	Array Induction Response Set Version for Four ft Resolution	40.70.24.21
AHMRF	Array Induction Mud Resistivity Factor	1
AHORSV	Array Induction Response Set Version for One ft Resolution	40.70.24.21
AHRFV	Array Induction Radial Profiling Code Version Number	700
AHRPV	Array Induction Radial Parametrization Code Version Number	223
AHSTA	Array Induction Tool Standoff	25 MM
AHTRSV	Array Induction Response Set Version for Two ft Resolution	40.70.24.21
BHT	Bottom Hole Temperature (used in calculations)	20 DEGC
FEXP	Form Factor Exponent	2
FNUM	Form Factor Numerator	1
GCSE	Generalized Caliper Selection	HCAL
GDEV	Average Angular Deviation of Borehole from Normal	0 DEG
GGRD	Geothermal Gradient	0.018227 DC/M
GRSE	Generalized Mud Resistivity Selection	AITH_RESIST
GTSE	Generalized Temperature Selection	HSTS_HTEM
SHT	Surface Hole Temperature	20 DEGC
HOLEV: Integrated Hole/Cement Volume		
BHT	Bottom Hole Temperature (used in calculations)	20 DEGC
GCSE	Generalized Caliper Selection	HCAL
GDEV	Average Angular Deviation of Borehole from Normal	0 DEG
GGRD	Geothermal Gradient	0.018227 DC/M
GRSE	Generalized Mud Resistivity Selection	AITH_RESIST
GTSE	Generalized Temperature Selection	HSTS_HTEM
SHT	Surface Hole Temperature	20 DEGC
STI: Stuck Tool Indicator		
LBFR	Trigger for MAXIS First Reading Label	TDL
STKT	STI Stuck Threshold	1.524 M
TDD	Total Depth - Driller	1476.00 M
TDL	Total Depth - Logger	1475.00 M
System and Miscellaneous		
BS	Bit Size	216.000 MM
DFD	Drilling Fluid Density	1200.00 K/M3
DORL	Depth Offset for Repeat Analysis	0.0 M
MST	Mud Sample Temperature	-50000.00 DEGC
TD	Total Depth	1475 M

Format: AITH2_S5 Vertical Scale: 1:240

Graphics File Created: 15-Mar-2004 01:04

OP System Version: 11C0-305

MCM

HILTB-FTB	11C0-305	LDT-D	11C0-305
DTA-A	OP11-KP1	DTC-H	11C0-305

Output DLIS Files

DEFAULT	AIT_TLD_MCFL_CNL_012LUP	FN:25	PRODUCER	15-Mar-2004 01:04
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BACKUP	AIT_TLD_MCFL_CNL_012LUP	FN:26	PRODUCER	15-Mar-2004 01:19
CUST	AIT_TLD_MCFL_CNL_012LUP	FN:27	PRODUCER	15-Mar-2004 01:04

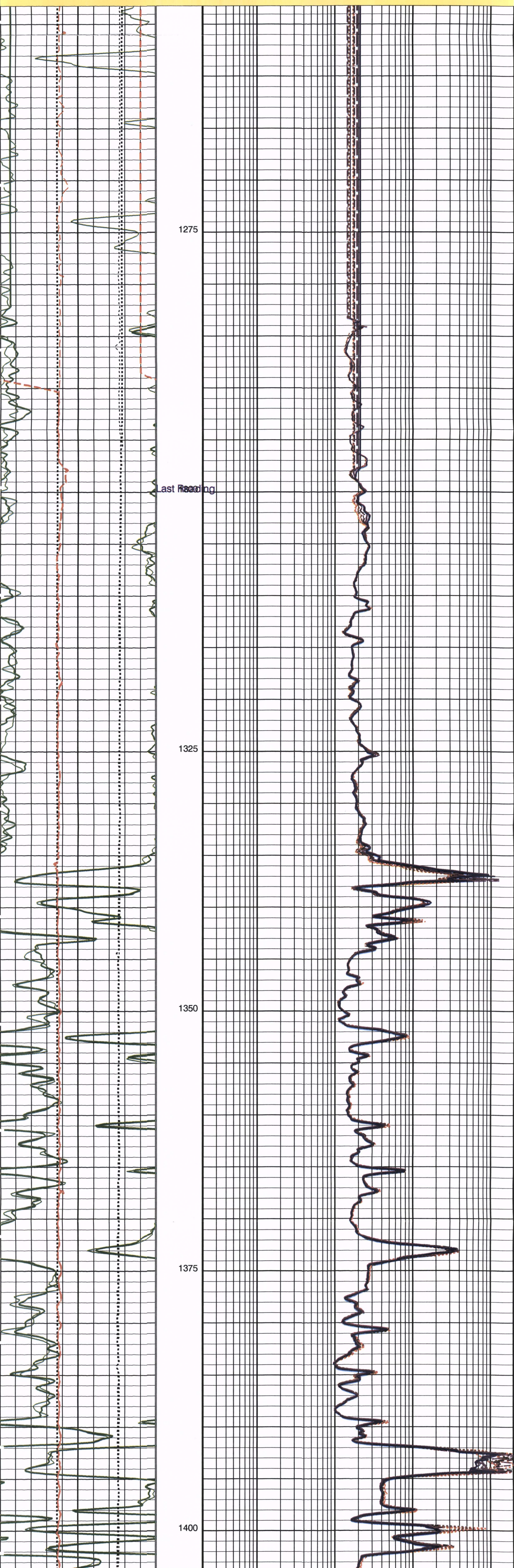
Input DLIS Files					
DEFAULT	AIT_TLD_MCFL_CNL_011PUP	FN:22	PRODUCER	15-Mar-2004 01:02	1478.7 M 1253.2 M
Output DLIS Files					
DEFAULT	AIT_TLD_MCFL_CNL_012LUP	FN:25	PRODUCER	15-Mar-2004 01:04	
BACKUP	AIT_TLD_MCFL_CNL_012LUP	FN:26	PRODUCER	15-Mar-2004 01:19	
CUST	AIT_TLD_MCFL_CNL_012LUP	FN:27	PRODUCER	15-Mar-2004 01:04	

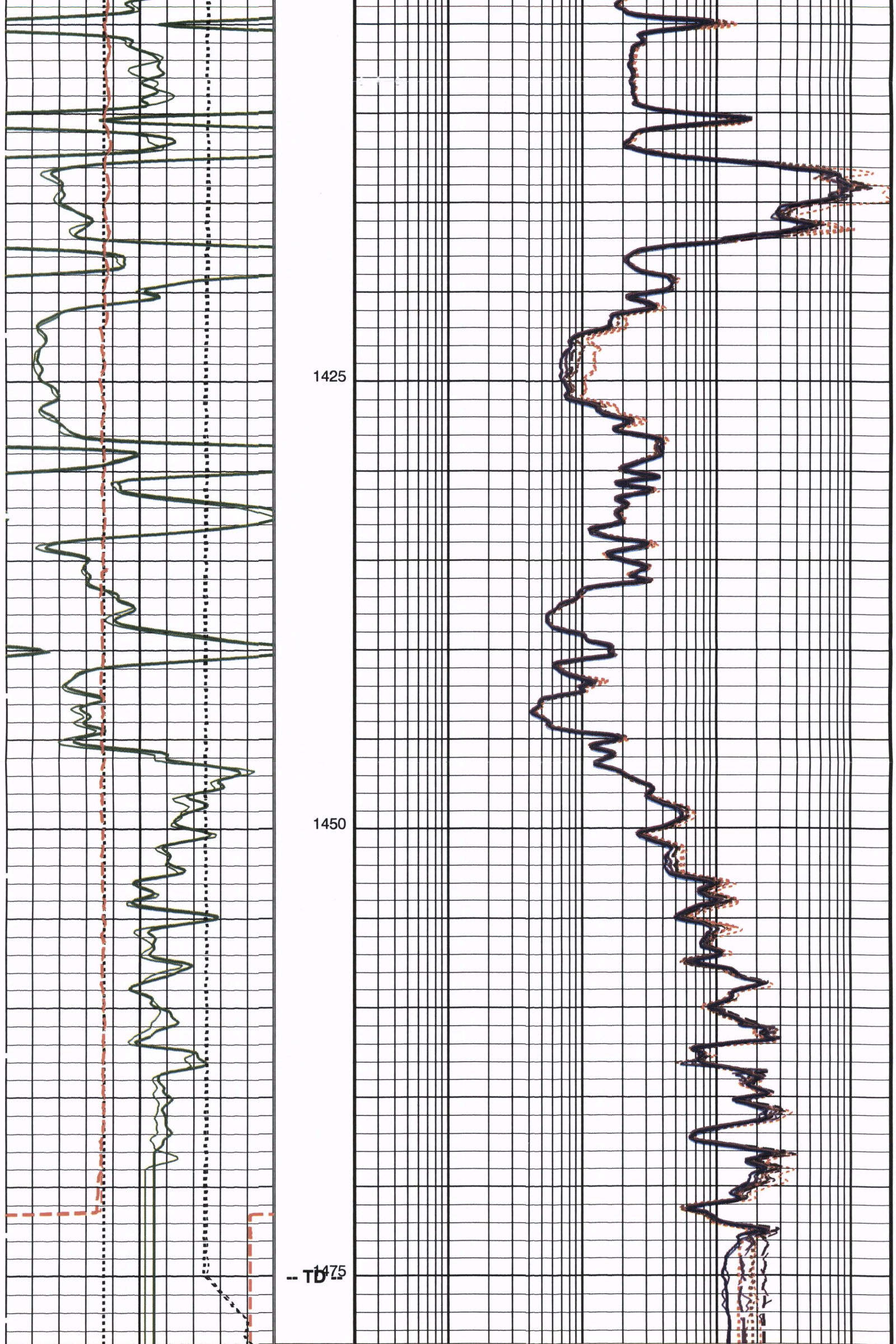
OP System Version: 11C0-305			
MCM			
HILTB-FTB	11C0-305	LDT-D	11C0-305
DTA-A	OP11-KP1	DTC-H	11C0-305

Changed Parameter Summary			
DLIS Name	New Value	Previous Value	Depth & Time
BHT	21 DEGC	20 DEGC	1394.1 01:16:49
SHT	-5 DEGC	20 DEGC	1345.0 01:21:38

PIP SUMMARY			
Time Mark Every 60 S			
TENS REP Curve (TENS REP) 25000 (N) 0 HCAL REP Curve (HCAL REP) 125 (MM) 375 GR REP Curve (GR REP) 0 (GAPI) 150 BS REP Curve (BS REP) 125 (MM) 375	AHT90 REP Curve (AHT90 REP)		
	0.2	(OHMM)	2000
	AHT60 REP Curve (AHT60 REP)		
	0.2	(OHMM)	2000
	AHT30 REP Curve (AHT30 REP)		
	0.2	(OHMM)	2000
	AHT20 REP Curve (AHT20 REP)		
	0.2	(OHMM)	2000
	AHT10 REP Curve (AHT10 REP)		
	0.2	(OHMM)	2000

REPEAT ANALYSIS: *** PLATFORM EXPRESS - ARRAY INDUCTION ***





REPEAT ANALYSIS: *** PLATFORM EXPRESS - ARRAY INDUCTION ***

BS_REP Curve (BS REP) 125 (MM) 375	AHT10_REP Curve (AHT10 REP) 0.2 (OHMM) 2000
GR_REP Curve (GR REP) 0 (GAPI) 150	AHT20_REP Curve (AHT20 REP) 0.2 (OHMM) 2000
HCAL_REP Curve (HCAL REP) 125 (MM) 375	AHT30_REP Curve (AHT30 REP) 0.2 (OHMM) 2000
TENS_REP Curve (TENS REP) 25000 (N) 0	AHT60_REP Curve (AHT60 REP) 0.2 (OHMM) 2000
	AHT90_REP Curve (AHT90 REP) 0.2 (OHMM) 2000

PIP SUMMARY

Time Mark Every 60 S

AIT-H Answer Product Processing Summary. Data taken with Tool # 214 (AHTNO)
...Acquired data from HILT/HAIT

***** Borehole Correction *****

Effective Mud Resistivity computed. Borehole diameter taken as input (see GCSE parameter)
Tool is run in ECCENTERED mode with a tool stand-off of 25.00 MM. Bit Size is 216.00 MM.

***** Input Selections to AIT-H Answer Product Processing *****

Caliper (GCSE): HCAL Mud Resistivity (GRSE): AHMF Temperature (GTSE): HTEM Porosity (FPHI): DPHZ

***** Other Parameters used by AIT-H Answer Product Processing *****

Form Factor Exponent (FEXP) 2.000 Form Factor Numerator (FNUM) 1.000
Mud Filtrate Sample Resistivity (RMFS) -50000.000 OHMM Mud Filtrate Sample Temperature (MFST) -50000.000 DEGC
Resistivity Connate Water (RW) 1.000 OHMM

***** AIT-H Answer Product Processing Control Parameters *****

Playback Mode: NORMAL

Parameters

DLIS Name	Description	Value
HILTB-FTB: High resolution Integrated Logging Tool-DTS		
AHBHM	Array Induction Borehole Correction Mode	0 ComputeMudResistivity
AHBHV	Array Induction Borehole Correction Code Version Number	880
AHBLM	Array Induction Basic Logs Mode	6_One_Two_and_Four
AHBLV	Array Induction Basic Logs Code Version Number	108
AHCDE	Array Induction Casing Detection Enable	Yes
AHCEN	Array Induction Tool Centering Flag (in Borehole)	Eccentered
AHFRSV	Array Induction Response Set Version for Four ft Resolution	40.70.24.21
AHMRF	Array Induction Mud Resistivity Factor	1
AHORSV	Array Induction Response Set Version for One ft Resolution	40.70.24.21
AHRFV	Array Induction Radial Profiling Code Version Number	700
AHRPV	Array Induction Radial Parametrization Code Version Number	223
AHSTA	Array Induction Tool Standoff	25 MM
AHTRSV	Array Induction Response Set Version for Two ft Resolution	40.70.24.21
BHT	Bottom Hole Temperature (used in calculations)	20 DEGC
FEXP	Form Factor Exponent	2
FNUM	Form Factor Numerator	1
GCSE	Generalized Caliper Selection	HCAL
GDEV	Average Angular Deviation of Borehole from Normal	0 DEG
GGRD	Geothermal Gradient	0.018227 DC/M
GRSE	Generalized Mud Resistivity Selection	AITH_RESIST
GTSE	Generalized Temperature Selection	HSTS_HTEM
SHT	Surface Hole Temperature	20 DEGC
HOLEV: Integrated Hole/Cement Volume		
BHT	Bottom Hole Temperature (used in calculations)	20 DEGC
GCSE	Generalized Caliper Selection	HCAL
GDEV	Average Angular Deviation of Borehole from Normal	0 DEG
GGRD	Geothermal Gradient	0.018227 DC/M
GRSE	Generalized Mud Resistivity Selection	AITH_RESIST
GTSE	Generalized Temperature Selection	HSTS_HTEM
SHT	Surface Hole Temperature	20 DEGC
System and Miscellaneous		
BS	Bit Size	216.000 MM
DFD	Drilling Fluid Density	1200.00 K/M3
DORL	Depth Offset for Repeat Analysis	0.0 M
MST	Mud Sample Temperature	-50000.00 DEGC
TD	Total Depth	1475 M

Format: AITH2_S5_REP Vertical Scale: 1:240 Graphics File Created: 15-Mar-2004 01:04

OP System Version: 11C0-305

MCM

HILTB-FTB	11C0-305	LDT-D	11C0-305
DTA-A	OP11-KP1	DTC-H	11C0-305

Input DLIS Files

DEFAULT	AIT_TLD_MCFL_CNL_011PUP	FN:22	PRODUCER	15-Mar-2004 01:02	1478.7 M	1253.2 M
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Output DLIS Files

DEFAULT	AIT_TLD_MCFL_CNL_012LUP	FN:25	PRODUCER	15-Mar-2004 01:04
BACKUP	AIT_TLD_MCFL_CNL_012LUP	FN:26	PRODUCER	15-Mar-2004 01:19
CUST	AIT_TLD_MCFL_CNL_012LUP	FN:27	PRODUCER	15-Mar-2004 01:04

Input DLIS Files

DEFAULT	AIT_TLD_MCFL_CNL_010LUP	FN:19	PRODUCER	15-Mar-2004 00:39	1477.7 M	1271.5 M
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Output DLIS Files

DEFAULT	AIT_TLD_MCFL_CNL_011PUP	FN:22	PRODUCER	15-Mar-2004 01:02	1478.7 M	1253.2 M
BACKUP	AIT_TLD_MCFL_CNL_011PUP	FN:23	PRODUCER	15-Mar-2004 01:17	1478.7 M	1253.2 M
CUST	AIT_TLD_MCFL_CNL_011PUP	FN:24	PRODUCER	15-Mar-2004 01:02	1478.7 M	1253.2 M

OP System Version: 11C0-305

MCM

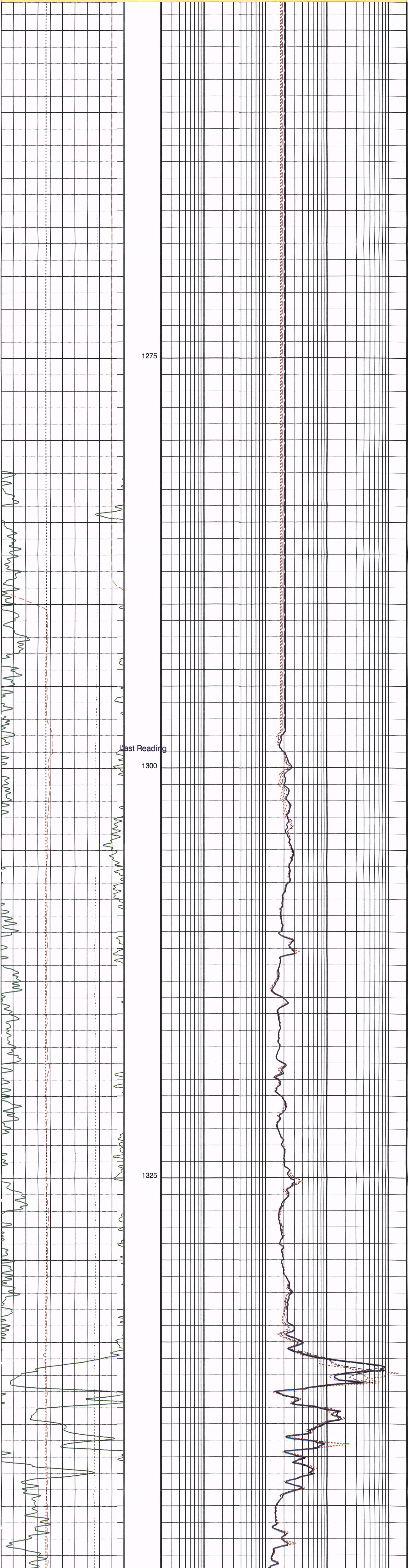
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DTA-A	OP11-KP1	DTC-H	11C0-305

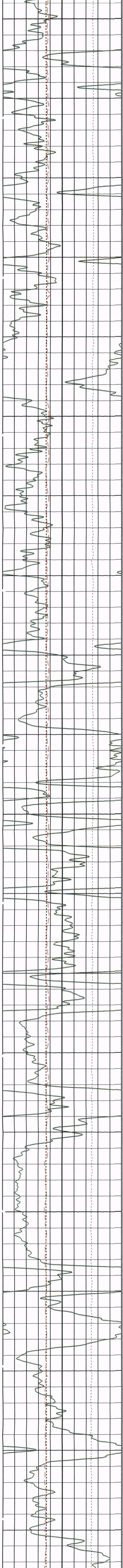
PIP SUMMARY

Time Mark Every 60 S

Tension (TENS) 25000 (N) 0 HiRes GammaRay (HGR) 0 (GAPI) 150 Bit Size (BS) 125 (MM) 375	AIT-H 90 Inch Investigation (AHO90)		
	0.2	(OHMM)	2000
	AIT-H 60 Inch Investigation (AHO60)		
	0.2	(OHMM)	2000
	AIT-H 30 Inch Investigation (AHO30)		
	0.2	(OHMM)	2000
	AIT-H 20 Inch Investigation (AHO20)		
	0.2	(OHMM)	2000

HIRES SECTION: *** PLATFORM EXPRESS - ARRAY INDUCTION ***



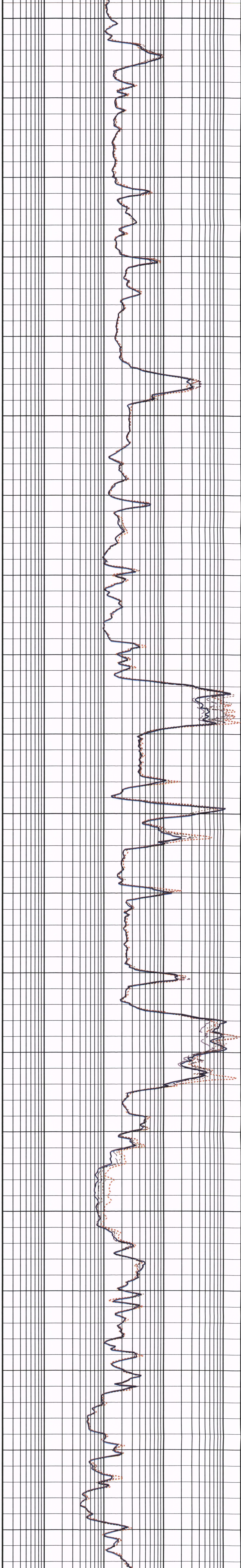


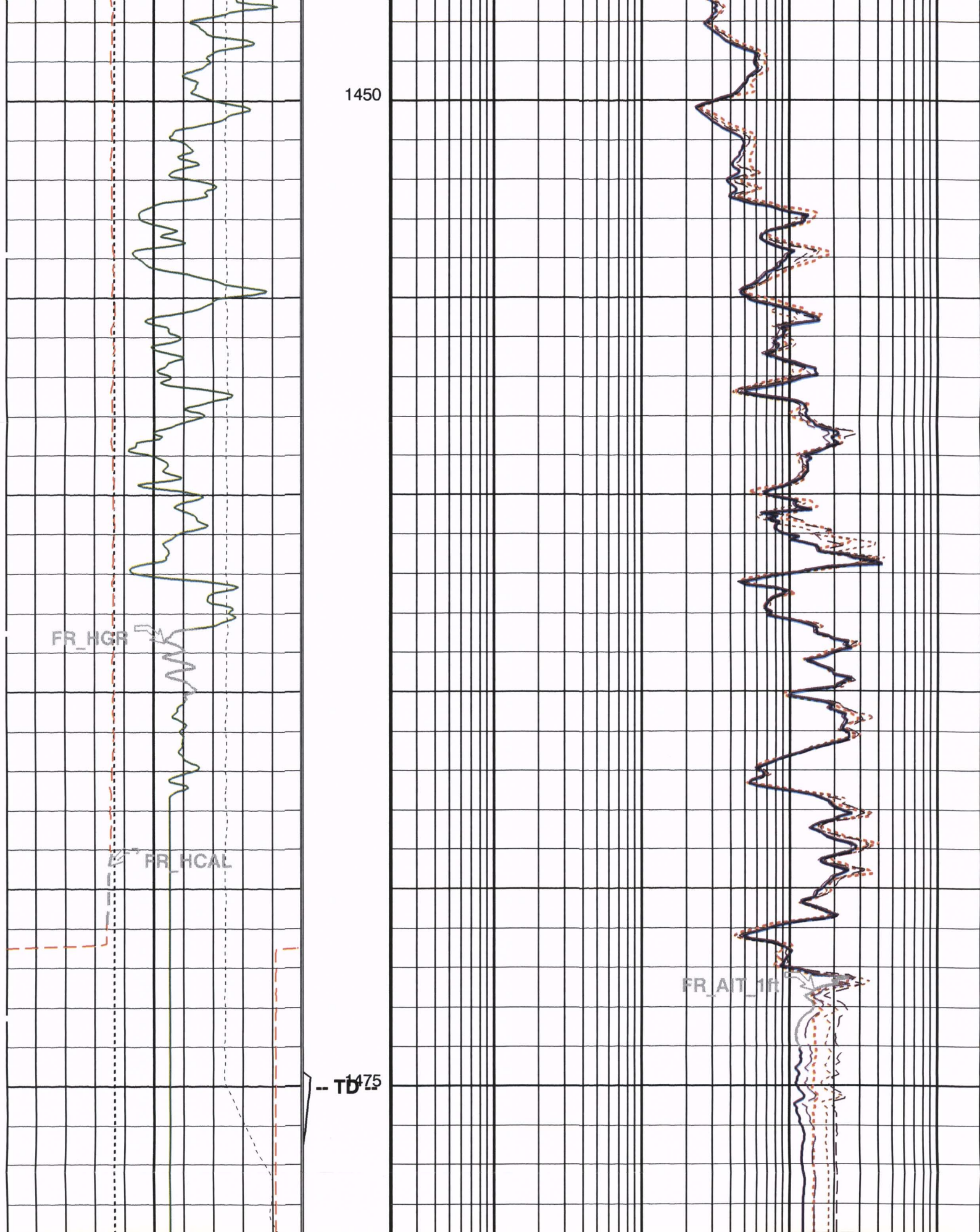
1350

1375

1400

1425





HIRES SECTION: *** PLATFORM EXPRESS - ARRAY INDUCTION ***

HILT Caliper (HCAL) (MM)	125	375	Stuck Stretch (STIT) 0 (M) 20	AIT-H 10 Inch Investigation (AHO10) (OHMM)	0.2	2000
Bit Size (BS) (MM)	125	375		AIT-H 20 Inch Investigation (AHO20) (OHMM)	0.2	2000
HiRes GammaRay (HGR) (GAPI)	0	150		AIT-H 30 Inch Investigation (AHO30) (OHMM)	0.2	2000
Tension (TENS) 25000 (N)		0		AIT-H 60 Inch Investigation (AHO60) (OHMM)	0.2	2000
				AIT-H 90 Inch Investigation (AHO90) (OHMM)	0.2	2000

PIP SUMMARY

Time Mark Every 60 S

AIT-H Answer Product Processing Summary. Data taken with Tool # 214 (AHTNO)
...Acquired data from HILT/HAIT

***** Borehole Correction *****

Effective Mud Resistivity computed. Borehole diameter taken as input (see GCSE parameter)
Tool is run in ECCENTERED mode with a tool stand-off of 25.00 MM. Bit Size is 216.00 MM.

***** Input Selections to AIT-H Answer Product Processing *****

Caliper (GCSE): HCAL Mud Resistivity (GRSE): AHMF Temperature (GTSE): HTEM Porosity (FPHI): DPHZ

***** Other Parameters used by AIT-H Answer Product Processing *****

Form Factor Exponent (FEXP) 2.000 Form Factor Numerator (FNUM) 1.000
Mud Filtrate Sample Resistivity (RMFS) -50000.000 OHMM Mud Filtrate Sample Temperature (MFST) -50000.000 DEGC
Resistivity Connate Water (RW) 1.000 OHMM

***** AIT-H Answer Product Processing Control Parameters *****

Playback Mode: NORMAL

Parameters

DLIS Name	Description	Value
HILTB-FTB: High resolution Integrated Logging Tool-DTS		
AHBHM	Array Induction Borehole Correction Mode	0 ComputeMudResistivity
AHBHV	Array Induction Borehole Correction Code Version Number	880
AHBLM	Array Induction Basic Logs Mode	6_One_Two_and_Four
AHBLV	Array Induction Basic Logs Code Version Number	108
AHCDE	Array Induction Casing Detection Enable	Yes
AHCEN	Array Induction Tool Centering Flag (in Borehole)	Eccentered
AHFRSV	Array Induction Response Set Version for Four ft Resolution	40.70.24.21
AHMRF	Array Induction Mud Resistivity Factor	1
AHORSV	Array Induction Response Set Version for One ft Resolution	40.70.24.21
AHRFV	Array Induction Radial Profiling Code Version Number	700
AHRPV	Array Induction Radial Parametrization Code Version Number	223
AHSTA	Array Induction Tool Standoff	25 MM
AHTRSV	Array Induction Response Set Version for Two ft Resolution	40.70.24.21
BHT	Bottom Hole Temperature (used in calculations)	20 DEGC
FEXP	Form Factor Exponent	2
FNUM	Form Factor Numerator	1
GCSE	Generalized Caliper Selection	HCAL
GDEV	Average Angular Deviation of Borehole from Normal	0 DEG
GRD	Geothermal Gradient	0.018227 DC/M
GRSE	Generalized Mud Resistivity Selection	AITH_RESIST
GTSE	Generalized Temperature Selection	HSTS_HTEM
SHT	Surface Hole Temperature	20 DEGC
HOLEV: Integrated Hole/Cement Volume		
BHT	Bottom Hole Temperature (used in calculations)	20 DEGC
GCSE	Generalized Caliper Selection	HCAL
GDEV	Average Angular Deviation of Borehole from Normal	0 DEG
GRD	Geothermal Gradient	0.018227 DC/M
GRSE	Generalized Mud Resistivity Selection	AITH_RESIST
GTSE	Generalized Temperature Selection	HSTS_HTEM
SHT	Surface Hole Temperature	20 DEGC
STI: Stuck Tool Indicator		
LBFR	Trigger for MAXIS First Reading Label	TDL
STKT	STI Stuck Threshold	1.524 M
TDD	Total Depth - Driller	1476.00 M
TDL	Total Depth - Logger	1475.00 M
System and Miscellaneous		
BS	Bit Size	216.000 MM
DFD	Drilling Fluid Density	1200.00 K/M3
DO	Depth Offset for Playback	1.0 M
MST	Mud Sample Temperature	-50000.00 DEGC
PP	Playback Processing	NORMAL
TD	Total Depth	1475 M

Format: AITH1_S10 Vertical Scale: 1:120

Graphics File Created: 15-Mar-2004 01:02

OP System Version: 11C0-305

MCM

HILTB-FTB	11C0-305	LDT-D	11C0-305
DTA-A	OP11-KP1	DTC-H	11C0-305

Input DLIS Files

DEFAULT	AIT_TLD_MCFL_CNL_010LUP	FN:19	PRODUCER	15-Mar-2004 00:39	1477.7 M	1271.5 M
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Output DLIS Files

DEFAULT	AIT_TLD_MCFL_CNL_011PUP	FN:22	PRODUCER	15-Mar-2004 01:02
BACKUP	AIT_TLD_MCFL_CNL_011PUP	FN:23	PRODUCER	15-Mar-2004 01:17
CUST	AIT_TLD_MCFL_CNL_011PUP	FN:24	PRODUCER	15-Mar-2004 01:02

Output DLIS Files

DEFAULT	AIT_TLD_MCFL_CNL_012LUP	FN:25	PRODUCER	15-Mar-2004 01:04
BACKUP	AIT_TLD_MCFL_CNL_012LUP	FN:26	PRODUCER	15-Mar-2004 01:19
CUST	AIT_TLD_MCFL_CNL_012LUP	FN:27	PRODUCER	15-Mar-2004 01:04

HRDD Processing Flags Statistical Analysis:

Percentages computed on interval 4811.2 to 1993.3 ft (1466.4 to 607.6 m)

Pef Flags Up	1.5 %			
Density Flags Up	0.0 %			
	Window 1	Window 2	Window 3	Window 4
BS Average Reconstruction Error	0.19 %	-0.97 %	-0.67 %	
SS Average Reconstruction Error	0.05 %	-0.07 %	-0.44 %	0.28 %
LS Average Reconstruction Error	1.03 %	0.80 %	0.44 %	0.51 %

OP System Version: 11C0-305

MCM

HILTB-FTB	11C0-305	LDT-D	11C0-305
DTA-A	OP11-KP1	DTC-H	11C0-305

Changed Parameter Summary

DLIS Name	New Value	Previous Value	Depth & Time
BHT	21 DEGC	20 DEGC	1394.1 01:16:49
SHT	-5 DEGC	20 DEGC	1345.0 01:21:38

PIP SUMMARY

Time Mark Every 60 S

AIT-H Mud Full Cal (AHMF)

0	(OHMM)	5
125	HILT Caliper (HCAL) (MM)	375
-5	HGNS Deviation (GDEV) (DEG)	45
0	Gamma Ray (ECGR) (GAPI)	150
65	Std. Res. Density Standoff (DSOZ) (MM)	0
125	Bit Size (BS) (MM)	375
25	AIT-H Bhole/Form Signal Ratio (AHBFR) (---)	-25
25	AIT-H TEMP (AHTCA) (DEGC)	125
65	Std. Res. Resistivity Standoff (RSOZ) (MM)	0
0	Stuck Stretch (STIT) (M)	20
20000	Tension (TENS) (N)	0
2	AIT-H QC Fully Calibrated A8 Signal (AHQABN[7]) (MM/M)	20000
2	AIT-H QC Fully Calibrated A7 Signal (AHQABN[6]) (MM/M)	20000
2	AIT-H QC Fully Calibrated A6 Signal (AHQABN[5]) (MM/M)	20000
2	AIT-H QC Fully Calibrated A5 Signal (AHQABN[4]) (MM/M)	20000
2	AIT-H QC Fully Calibrated A4 Signal (AHQABN[3]) (MM/M)	20000
2	AIT-H QC Fully Calibrated A3 Signal (AHQABN[2]) (MM/M)	20000
2	AIT-H QC Fully Calibrated A2 Signal (AHQABN[1]) (MM/M)	20000
2	AIT-H QC Fully Calibrated A1 Signal (AHQABN[0]) (MM/M)	20000
-3	Pe Correction (HPRA) (----	3
-0.5	BS Delta Rho (HDRB) (G/C3)	0.5
450	Density Correction (HDRA) (K/M3)	-50
-0.1	Delta Neutron Porosity (DNPH) (V/V)	0.1
0.5	GR Borehole Correction Factor (CFGR) (----	1.5

LOG QUALITY: *** PLATFORM EXPRESS ***

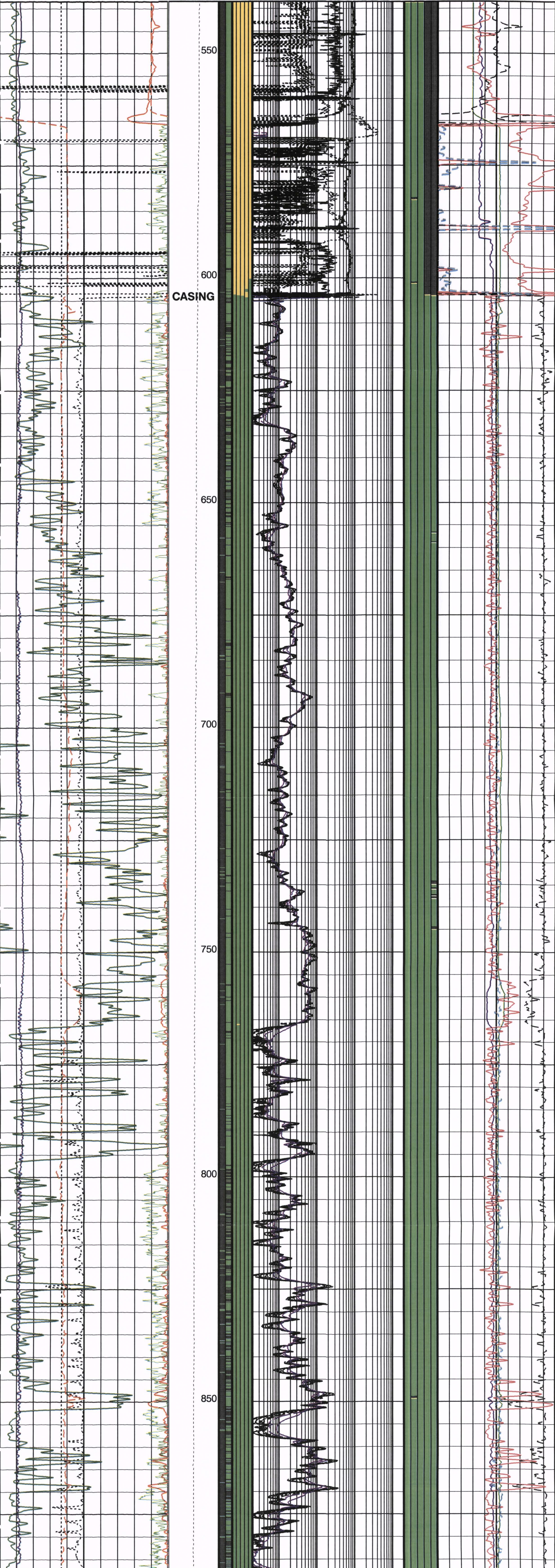
*** Flag Tracks ***
White = Absent Green = Good Yellow = Warn Red/Black = Bad

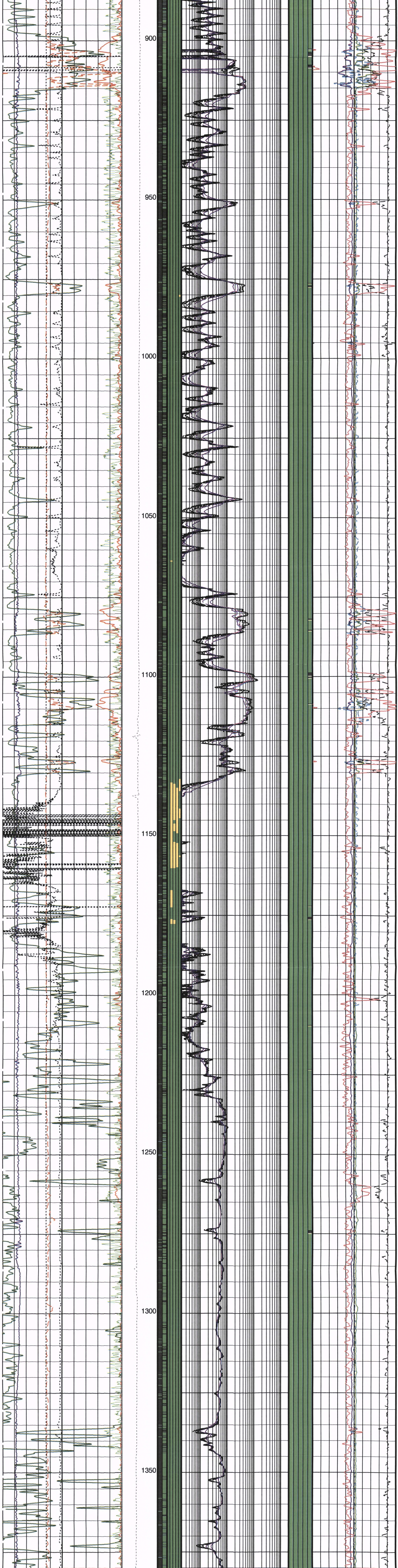
RESISTIVITY TRACK :

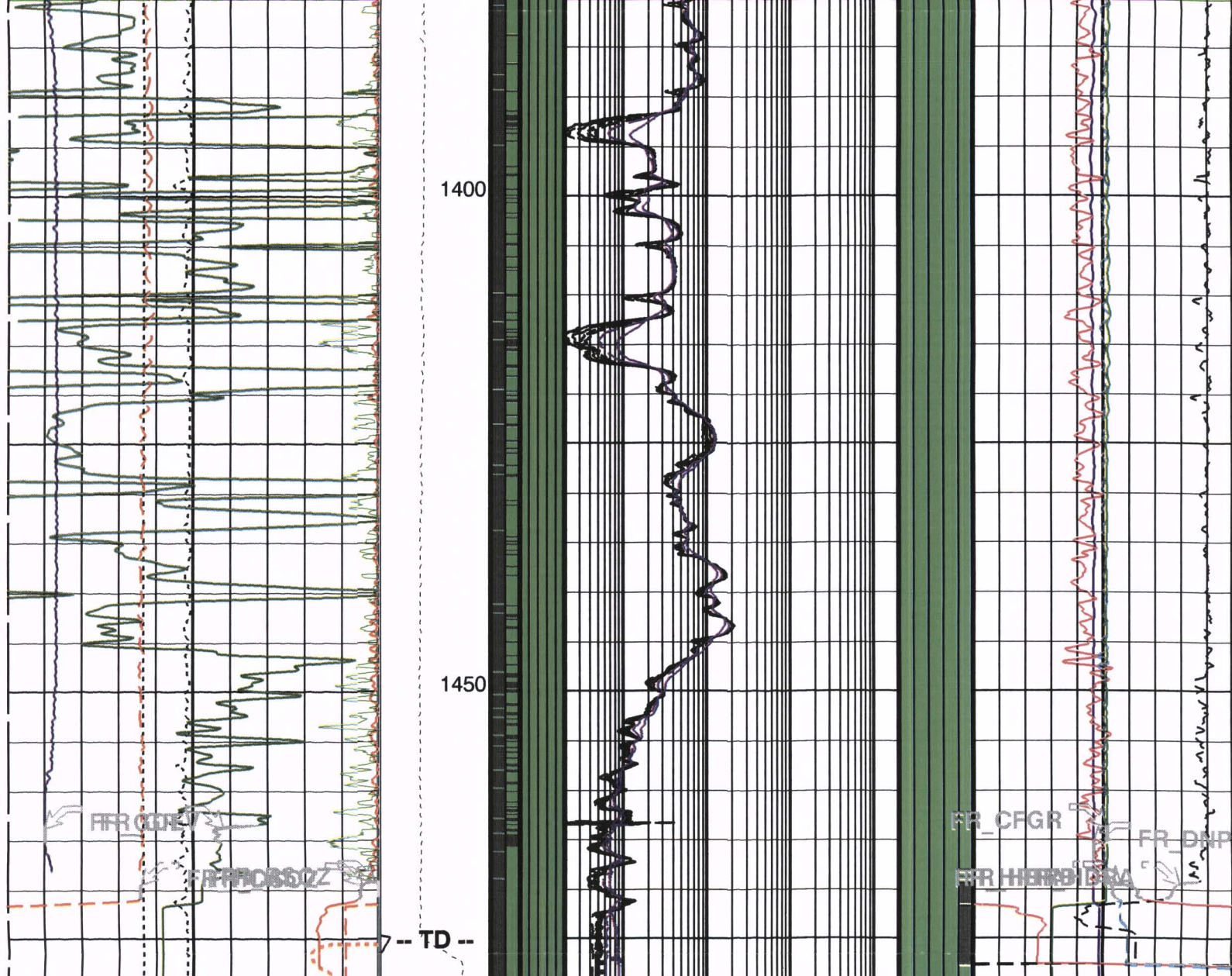
1. MCFL Hardware
2. RXO Processing
3. HAIT Hardware
4. HAIT Array[1-2]
5. HAIT Array[3-4]
6. HAIT Array[5-6]
7. HAIT Array[7-8]

NUCLEAR TRACK :

1. Accelerometer
2. Density Detector
3. Neutron Porosity
4. Density Computation
5. Pef Computation







*** Flag Tracks ***
White = Absent Green = Good Yellow = Warn Red/Black = Bad

RESISTIVITY TRACK :

1. MCFL Hardware
2. RXO Processing
3. HAIT Hardware
4. HAIT Array[1-2]
5. HAIT Array[3-4]
6. HAIT Array[5-6]
7. HAIT Array[7-8]

NUCLEAR TRACK :

1. Accelerometer
2. Density Detector
3. Neutron Porosity
4. Density Computation
5. Pef Computation

LOG QUALITY: *** PLATFORM EXPRESS ***

Std. Res. Resistivity Standoff (RSOZ) 65 (MM) 0	Tension (TENS) (N) 20000 0	AIT-H QC Fully Calibrated A1 Signal (AHQABN[0]) 2 (MM/M) 20000	GR Borehole Correction Factor (CFGR) 0.5 (---) 1.5
AIT-H TEMP (AHTCA) (DEGC) 25 125	Stuck Stretch (STIT) 0 (M) 20	AIT-H QC Fully Calibrated A2 Signal (AHQABN[1]) 2 (MM/M) 20000	Delta Neutron Porosity (DNPH) -0.1 (V/V) 0.1
AIT-H Bhole/Form Signal Ratio (AHBFR) 25 (---) -25		AIT-H QC Fully Calibrated A3 Signal (AHQABN[2]) 2 (MM/M) 20000	Density Correction (HDRA) 450 (K/M3) -50
Bit Size (BS) (MM) 125 375		AIT-H QC Fully Calibrated A4 Signal (AHQABN[3]) 2 (MM/M) 20000	BS Delta Rho (HDRB) -0.5 (G/C3) 0.5
Std. Res. Density Standoff (DSOZ) 65 (MM) 0		AIT-H QC Fully Calibrated A5 Signal (AHQABN[4]) 2 (MM/M) 20000	Pe Correction (HPRA) -3 (---) 3
Gamma Ray (ECGR) (GAPI) 0 150		AIT-H QC Fully Calibrated A6 Signal (AHQABN[5]) 2 (MM/M) 20000	
HGNS Deviation (GDEV) (DEG) -5 45		AIT-H QC Fully Calibrated A7 Signal (AHQABN[6]) 2 (MM/M) 20000	
HILT Caliper (HCAL) (MM) 125 375		AIT-H QC Fully Calibrated A8 Signal (AHQABN[7]) 2 (MM/M) 20000	
AIT-H Mud Full Cal (AHMF) (OHMM) 0 5			

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
HILTB-FTB: High resolution Integrated Logging Tool-DTS		
AHBHM	Array Induction Borehole Correction Mode	0_ComputeMudResistivity
AHBLM	Array Induction Basic Logs Mode	6_One_Two_and_Four
AHCEN	Array Induction Tool Centering Flag (in Borehole)	Eccentered
AHMRFB	Array Induction Mud Resistivity Factor	1
AHSTA	Array Induction Tool Standoff	25 MM
BHFL	Borehole Fluid Type	OIL
BHS	Borehole Status	OPEN
BHT	Bottom Hole Temperature (used in calculations)	20 DEGC
BSCO	Borehole Salinity Correction Option	NO
CCCO	Casing & Cement Thickness Correction Option	NO
DHC	Density Hole Correction	BS
FEXP	Form Factor Exponent	2
FNUM	Form Factor Numerator	1
FSAL	Formation Salinity	-50000 PPM
FSCO	Formation Salinity Correction Option	NO
GCSE	Generalized Caliper Selection	HCAL
GDEV	Average Angular Deviation of Borehole from Normal	0 DEG
GGRD	Geothermal Gradient	0.018227 DC/M
GRSE	Generalized Mud Resistivity Selection	AITH_RESIST
GTSE	Generalized Temperature Selection	HSTS_HTEM
HSCO	Hole Size Correction Option	YES
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE
MCCO	Mud Cake Correction Option	NO
MCOF	Mud Correction	NATU
MPOF	MCFL Processing Operation Mode	ON
NWCO	Mud Weight Correction Option	NO
NAAC	HRDD APS Activation Correction	OFF
NMT	HILT Nuclear Mud Type	NOBARITE
NPRM	HRDD Processing Mode	HiRes
NSAR	HRDD Depth Sampling Rate	25.4 MM
PTCO	Pressure/Temperature Correction Option	NO
SDAT	Standoff Data Source	SOCN
SHT	Surface Hole Temperature	20 DEGC
SOCN	Standoff Distance	3.175 MM
SOCO	Standoff Correction Option	YES
LDT-D: Litho Density - D		
DHC	Density Hole Correction	BS
HOLEV: Integrated Hole/Cement Volume		
BHS	Borehole Status	OPEN
BHT	Bottom Hole Temperature (used in calculations)	20 DEGC
GCSE	Generalized Caliper Selection	HCAL
GDEV	Average Angular Deviation of Borehole from Normal	0 DEG
GGRD	Geothermal Gradient	0.018227 DC/M
GRSE	Generalized Mud Resistivity Selection	AITH_RESIST
GTSE	Generalized Temperature Selection	HSTS_HTEM
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE
SHT	Surface Hole Temperature	20 DEGC
STI: Stuck Tool Indicator		
LBFR	Trigger for MAXIS First Reading Label	TDL
STKT	STI Stuck Threshold	1.524 M
TDD	Total Depth - Driller	1476.00 M
TDL	Total Depth - Logger	1475.00 M
System and Miscellaneous		
BS	Bit Size	216.000 MM
BSAL	Borehole Salinity	-50000.00 PPM
CSIZ	Current Casing Size	244.500 MM
CWEI	Casing Weight	59.50 KG/M
DFD	Drilling Fluid Density	1200.00 K/M3
DORL	Depth Offset for Repeat Analysis	0.0 M
MST	Mud Sample Temperature	-50000.00 DEGC
RMFS	Resistivity of Mud Filtrate Sample	-50000.0000 OHMM
TD	Total Depth	1475 M

Format: PEX_LQC Vertical Scale: 1:600 Graphics File Created: 15-Mar-2004 01:04

OP System Version: 11C0-305

MCM

HILTB-FTB	11C0-305	LDT-D	11C0-305
DTA-A	OP11-KP1	DTC-H	11C0-305

Output DLIS Files

DEFAULT	AIT_TLD_MCFL_CNL_012LUP	FN:25	PRODUCER	15-Mar-2004 01:04
BACKUP	AIT_TLD_MCFL_CNL_012LUP	FN:26	PRODUCER	15-Mar-2004 01:19
CUST	AIT_TLD_MCFL_CNL_012LUP	FN:27	PRODUCER	15-Mar-2004 01:04

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
High resolution Integrated Logging Tool-DTS WellSite Calibration - Electronics Calibration Check - Thru Cal Mag. & Phase							
Master: 11-Jan-2004 18:19 Before: 14-Mar-2004 9:22							
Thru Cal Magnitude - 0	0	0.6159	0.6225	N/A	N/A	N/A	V
Thru Cal Magnitude - 1	0	1.263	1.277	N/A	N/A	N/A	V
Thru Cal Magnitude - 2	0	0.6267	0.6330	N/A	N/A	N/A	V
Thru Cal Magnitude - 3	0	0.7081	0.7159	N/A	N/A	N/A	V
Thru Cal Magnitude - 4	0	1.329	1.343	N/A	N/A	N/A	V
Thru Cal Magnitude - 5	0	1.919	1.939	N/A	N/A	N/A	V
Thru Cal Magnitude - 6	0	1.922	1.943	N/A	N/A	N/A	V
Thru Cal Magnitude - 7	0	1.377	1.395	N/A	N/A	N/A	V
Phase - 0	0	65.97	65.98	N/A	N/A	N/A	DEG
Phase - 1	0	64.94	64.96	N/A	N/A	N/A	DEG
Phase - 2	0	61.10	61.14	N/A	N/A	N/A	DEG
Phase - 3	0	60.30	60.34	N/A	N/A	N/A	DEG
Phase - 4	0	53.79	53.87	N/A	N/A	N/A	DEG
Phase - 5	0	51.96	52.07	N/A	N/A	N/A	DEG
Phase - 6	0	51.92	52.03	N/A	N/A	N/A	DEG
Phase - 7	0	48.48	48.85	N/A	N/A	N/A	DEG
High resolution Integrated Logging Tool-DTS WellSite Calibration - Electronics Calibration Check - Auxilliary							
Master: 11-Jan-2004 18:19 Before: 14-Mar-2004 9:22							
Array Induction SPA Plus	990.5	997.5	997.8	N/A	N/A	N/A	MV
Array Induction SPA Zero	0	0.2305	0.2124	N/A	N/A	N/A	MV
Array Induction Temperature PI	0.9150	0.9239	0.9243	N/A	N/A	N/A	V

Array Induction Temperature Ze		0	0.0002323	0.0002130	N/A	N/A	N/A	N/A
High resolution Integrated Logging Tool-DTS Wellsite Calibration - Test Loop Gain Correction								
Master: 11-Jan-2004 18:19								
Test Loop Gain Magnitude - 0	0	1.019	N/A	N/A	N/A	N/A	N/A	V
Test Loop Gain Magnitude - 1	0	1.017	N/A	N/A	N/A	N/A	N/A	V
Test Loop Gain Magnitude - 2	0	1.015	N/A	N/A	N/A	N/A	N/A	V
Test Loop Gain Magnitude - 3	0	1.014	N/A	N/A	N/A	N/A	N/A	V
Test Loop Gain Magnitude - 4	0	0.9981	N/A	N/A	N/A	N/A	N/A	V
Test Loop Gain Magnitude - 5	0	0.9868	N/A	N/A	N/A	N/A	N/A	V
Test Loop Gain Magnitude - 6	0	0.9997	N/A	N/A	N/A	N/A	N/A	V
Test Loop Gain Magnitude - 7	0	1.006	N/A	N/A	N/A	N/A	N/A	V
Phase - 0	0	0.4294	N/A	N/A	N/A	N/A	N/A	DEG
Phase - 1	0	0.5291	N/A	N/A	N/A	N/A	N/A	DEG
Phase - 2	0	0.005692	N/A	N/A	N/A	N/A	N/A	DEG
Phase - 3	0	0.1272	N/A	N/A	N/A	N/A	N/A	DEG
Phase - 4	0	-0.009129	N/A	N/A	N/A	N/A	N/A	DEG
Phase - 5	0	-0.1061	N/A	N/A	N/A	N/A	N/A	DEG
Phase - 6	0	0.3198	N/A	N/A	N/A	N/A	N/A	DEG
Phase - 7	0	-0.1423	N/A	N/A	N/A	N/A	N/A	DEG
High resolution Integrated Logging Tool-DTS Wellsite Calibration - Sonde Error Correction								
Master: 11-Jan-2004 18:19								
R Sonde Error Correction - 0	0	-37.90	N/A	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction - 1	0	168.0	N/A	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction - 2	0	111.8	N/A	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction - 3	0	64.01	N/A	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction - 4	0	23.15	N/A	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction - 5	0	13.62	N/A	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction - 6	0	8.867	N/A	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction - 7	0	-0.5816	N/A	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction - 0	0	-39.61	N/A	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction - 1	0	132.9	N/A	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction - 2	0	68.86	N/A	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction - 3	0	140.6	N/A	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction - 4	0	-41.23	N/A	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction - 5	0	-6.873	N/A	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction - 6	0	4.019	N/A	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction - 7	0	-2.271	N/A	N/A	N/A	N/A	N/A	MM/M
High resolution Integrated Logging Tool-DTS Wellsite Calibration - Mud Gain Correction								
Master: 11-Jan-2004 18:19								
Coarse - Mag, Real, Imag - 0	0	1.000	N/A	N/A	N/A	N/A	N/A	
Coarse - Mag, Real, Imag - 1	0	1.000	N/A	N/A	N/A	N/A	N/A	
Coarse - Mag, Real, Imag - 2	0	1.000	N/A	N/A	N/A	N/A	N/A	
Fine - Mag, Real, Imag - 0	0	1.000	N/A	N/A	N/A	N/A	N/A	
Fine - Mag, Real, Imag - 1	0	1.000	N/A	N/A	N/A	N/A	N/A	
Fine - Mag, Real, Imag - 2	0	1.000	N/A	N/A	N/A	N/A	N/A	
High resolution Integrated Logging Tool-DTS Wellsite Calibration - Stab Measurement Summary								
Before: 14-Mar-2004 9:35								
BS Window Ratio	0.7522	N/A	0.7535	N/A	N/A	N/A	N/A	
BS Window Sum	11230	N/A	11230	N/A	N/A	N/A	N/A	CPS
SS Window Ratio	0.4807	N/A	0.4821	N/A	N/A	N/A	N/A	
SS Window Sum	11140	N/A	11110	N/A	N/A	N/A	N/A	CPS
LS Window Ratio	0.2940	N/A	0.2996	N/A	N/A	N/A	N/A	
LS Window Sum	1251	N/A	1243	N/A	N/A	N/A	N/A	CPS
High resolution Integrated Logging Tool-DTS Wellsite Calibration - Photo-multiplier High Voltages Calibrations								
Before: 14-Mar-2004 9:35								
BS PM High Voltage (Command)	1876	N/A	1823	N/A	N/A	N/A	N/A	V
SS PM High Voltage (Command)	1923	N/A	1961	N/A	N/A	N/A	N/A	V
LS PM High Voltage (Command)	1957	N/A	1971	N/A	N/A	N/A	N/A	V
High resolution Integrated Logging Tool-DTS Wellsite Calibration - Crystal Quality Resolutions Calibration								
Before: 14-Mar-2004 9:35								
BS Crystal Resolution	11.52	N/A	11.33	N/A	N/A	N/A	N/A	%
SS Crystal Resolution	10.11	N/A	10.83	N/A	N/A	N/A	N/A	%
LS Crystal Resolution	9.105	N/A	9.205	N/A	N/A	N/A	N/A	%
High resolution Integrated Logging Tool-DTS Wellsite Calibration - MCFL Calibration								
Before: 14-Mar-2004 9:27								
Raw B0 Resistivity	3875	N/A	3857	N/A	N/A	N/A	N/A	OHMM
Raw B1 Resistivity	3830	N/A	3834	N/A	N/A	N/A	N/A	OHMM
Raw B2 Resistivity	3830	N/A	3847	N/A	N/A	N/A	N/A	OHMM
High resolution Integrated Logging Tool-DTS Wellsite Calibration - HILT Caliper Calibration								
Before: 14-Mar-2004 10:10								
HILT Caliper Zero Measurement	203.2	N/A	200.8	N/A	N/A	N/A	N/A	MM
HILT Caliper Plus Measurement	304.8	N/A	307.6	N/A	N/A	N/A	N/A	MM
High resolution Integrated Logging Tool-DTS Wellsite Calibration - Detector Calibration								
Before: 14-Mar-2004 9:49								
Gamma Ray Background	30.00	N/A	30.17	N/A	N/A	N/A	N/A	GAPI
Gamma Ray (Jig - Bkg)	171.4	N/A	171.4	N/A	N/A	N/A	15.58	GAPI
Gamma Ray (Calibrated)	165.0	N/A	165.0	N/A	N/A	N/A	15.00	GAPI
High resolution Integrated Logging Tool-DTS Wellsite Calibration - Zero Measurement								
Master: 16-Jan-2004 11:48 Before: 14-Mar-2004 9:23								
CNTC Background	26.04	26.04	25.54	N/A	N/A	N/A	3.906	CPS
CFTC Background	27.25	27.25	26.08	N/A	N/A	N/A	4.088	CPS
High resolution Integrated Logging Tool-DTS Wellsite Calibration - Accelerometer Calibration								
Before: 14-Mar-2004 9:20								
Z-Axis Acceleration	9.810	N/A	9.813	N/A	N/A	N/A	N/A	M/S2
High resolution Integrated Logging Tool-DTS Master Calibration - Inversion results								
Master: 15-Feb-2004 1:11								
Rho Aluminum	2596	2595	--	--	--	--	--	K/M3
Rho Magnesium	1686	1687	--	--	--	--	--	K/M3
Pe Aluminum	2.570	2.590	--	--	--	--	--	
Pe Magnesium	2.650	2.624	--	--	--	--	--	
High resolution Integrated Logging Tool-DTS Master Calibration - Deviation Summary								
Master: 15-Feb-2004 1:11								
BS Average Deviation	0	0.4211	--	--	--	--	--	%
BS Max Deviation	0	1.134	--	--	--	--	--	%
SS Average Deviation	0	0.3113	--	--	--	--	--	%
SS Max Deviation	0	0.5818	--	--	--	--	--	%
LS Average Deviation	0	0.7596	--	--	--	--	--	%
LS Max Deviation	0	1.947	--	--	--	--	--	%
High resolution Integrated Logging Tool-DTS Master Calibration - Tank Measurement								
Master: 16-Jan-2004 11:48								
Thermal Near Corr. (Tank)	6031	6037	--	--	--	--	--	CPS
Thermal Far Corr. (Tank)	2793	2542	--	--	--	--	--	CPS
CNTC/CFTC (Tank)	2.159	2.375	--	--	--	--	--	
High resolution Integrated Logging Tool-DTS Master Calibration - Tank Measurement								
Master: 16-Jan-2004 11:48								
Thermal Near Corr. (Tank)	6031	6037	--	--	--	--	--	CPS
Thermal Far Corr. (Tank)	2793	2542	--	--	--	--	--	CPS
CNTC/CFTC (Tank)	2.159	2.375	--	--	--	--	--	
Litho Density - D Wellsite Calibration - Background Measurement								
Master: 23-Jan-2004 12:21 Before: 14-Mar-2004 9:25								
LL Background	20.00	15.91	15.81	N/A	N/A	N/A	1.000	CPS
LU Background	76.00	60.35	60.27	N/A	N/A	N/A	1.000	CPS
LS Background	57.00	46.09	45.95	N/A	N/A	N/A	1.000	CPS
LTH Background	5.500	4.497	4.448	N/A	N/A	N/A	0.3000	CPS
SS1 Background	16.00	14.79	14.85	N/A	N/A	N/A	0.5000	CPS
SS2 Background	11.00	9.968	9.957	N/A	N/A	N/A	0.5000	CPS
Litho Density - D Wellsite Calibration - Tool Quality Control Information HV								
Master: 23-Jan-2004 12:21 Before: 14-Mar-2004 9:25								
LSHV Background	1500	1402	1406	N/A	N/A	N/A	N/A	V
SSHV Background	1500	1286	1295	N/A	N/A	N/A	N/A	V
Litho Density - D Wellsite Calibration - Detectors Resolution From BKG Measurmnts								
Master: 23-Jan-2004 12:21 Before: 14-Mar-2004 9:25								
LS Resolution Background	8.000	8.482	8.580	N/A	N/A	N/A	N/A	
SS Resolution Background	8.000	8.538	8.656	N/A	N/A	N/A	N/A	
Litho Density - D Wellsite Calibration - Caliper Calibration								
Before: 14-Mar-2004 9:43								
Caliper Small Ring	203.2	N/A	168.8	N/A	N/A	N/A	N/A	MM
Caliper Large Ring	304.8	N/A	275.5	N/A	N/A	N/A	N/A	MM
Litho Density - D Master Calibration - Aluminum Measurement								
Master: 23-Jan-2004 13:08								
LL Aluminum	90.00	83.18	--	--	--	--	--	CPS
LU Aluminum	135.0	123.7	--	--	--	--	--	CPS
LS Aluminum	155.0	145.1	--	--	--	--	--	CPS
LTH Aluminum	50.00	50.24	--	--	--	--	--	CPS
SS1 Aluminum	175.0	171.3	--	--	--	--	--	CPS
SS2 Aluminum	260.0	239.4	--	--	--	--	--	CPS
Litho Density - D Master Calibration - Litholog Measurement								
Master: 23-Jan-2004 12:48								
LL Iron	80.00	82.18	--	--	--	--	--	CPS
LU Iron	120.0	122.9	--	--	--	--	--	CPS
LS Iron	135.0	143.6	--	--	--	--	--	CPS
LTH Iron	30.00	35.77	--	--	--	--	--	CPS
SS1 Iron	155.0	172.8	--	--	--	--	--	CPS
SS2 Iron	245.0	237.0	--	--	--	--	--	CPS
Litho Density - D Master Calibration - Spectrum Quality Ratios								
Master: 23-Jan-2004 13:09								
QRLS Calculated	0.6500	0.6722	--	--	--	--	--	
QRSS Calculated	0.7200	0.7157	--	--	--	--	--	
QRLI Calculated	0.3900	0.3464	--	--	--	--	--	
QLIR Calculated	1.390	1.391	--	--	--	--	--	
QR Calculated	1.000	1.019	--	--	--	--	--	
The GLS-VJ source activity is acceptable.								
The HGNS Neutron Master Calibration was done with the following parameters :								
NCT-B Water Temperature 20.2 DEGC.								
Thermal Housing Size 85.700 MM.								

High resolution Integrated Logging Tool-DTS / Equipment Identification			
Primary Equipment:			
Array Induction Tool - H	AIT - H	214	
Rm/SP Bottom Nose	AHRM - A		
Array Induction Sonde	AHIS - BA	214	
HILT high-Resolution Mechanical Sonde	HRMS - B	908	
HILT Rxo Gamma-ray Device	HRGD - B	1860	
HILT Nuclear Back-Scatter Detector	HILT -		
HILT Nuclear Short-Spacing Detector	HILT -		

High resolution Integrated Logging Tool-DTS Wellsite Calibration									
Electronics Calibration Check - Auxilliary									
Phase	Array Induction SPA Plus MV			Value	Phase	Array Induction SPA Zero MV			Value
Master				997.5	Master				0.2305
Before				997.8	Before				0.2124
	941.0 (Minimum)	990.5 (Nominal)	1040 (Maximum)			-50.00 (Minimum)	0 (Nominal)	50.00 (Maximum)	
Phase	Array Induction Temperature Plus V			Value	Phase	Array Induction Temperature Zero V			Value
Master				0.9239	Master				0.0002323
Before				0.9243	Before				0.0002130
	0.8700 (Minimum)	0.9150 (Nominal)	0.9600 (Maximum)			-0.05000 (Minimum)	0 (Nominal)	0.05000 (Maximum)	
Master: 11-Jan-2004 18:19					Before: 14-Mar-2004 9:22				

High resolution Integrated Logging Tool-DTS Wellsite Calibration									
Test Loop Gain Correction									
Idx	Value	Test Loop Gain Magnitude V			Value	Phase DEG			
0	1.019				0.4294				
		0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)		-3.000 (Minimum)	0 (Nominal)	3.000 (Maximum)	
1	1.017				0.5291				
		0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)		-3.000 (Minimum)	0 (Nominal)	3.000 (Maximum)	
2	1.015				0.005692				
		0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)		-3.000 (Minimum)	0 (Nominal)	3.000 (Maximum)	
3	1.014				0.1272				
		0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)		-3.000 (Minimum)	0 (Nominal)	3.000 (Maximum)	
4	0.9981				-0.009129				
		0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)		-3.000 (Minimum)	0 (Nominal)	3.000 (Maximum)	
5	0.9868				-0.1061				
		0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)		-3.000 (Minimum)	0 (Nominal)	3.000 (Maximum)	
6	0.9997				0.3198				
		0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)		-3.000 (Minimum)	0 (Nominal)	3.000 (Maximum)	
7	1.006				-0.1423				
		0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)		-3.000 (Minimum)	0 (Nominal)	3.000 (Maximum)	
Master: 11-Jan-2004 18:19									

High resolution Integrated Logging Tool-DTS Wellsite Calibration									
Sonde Error Correction									
Idx	Value	R Sonde Error Correction MM/M			Value	X Sonde Error Correction MM/M			
0	-37.90				-39.61				
		-231.0 (Minimum)	-56.00 (Nominal)	119.0 (Maximum)		-2250 (Minimum)	0 (Nominal)	2250 (Maximum)	
1	168.0				132.9				
		114.0 (Minimum)	159.0 (Nominal)	204.0 (Maximum)		-625.0 (Minimum)	0 (Nominal)	625.0 (Maximum)	
2	111.8				68.86				
		66.00 (Minimum)	111.0 (Nominal)	156.0 (Maximum)		-350.0 (Minimum)	0 (Nominal)	350.0 (Maximum)	
3	64.01				140.6				
		39.00 (Minimum)	64.00 (Nominal)	89.00 (Maximum)		-250.0 (Minimum)	0 (Nominal)	250.0 (Maximum)	
4	23.15				-41.23				
		15.00 (Minimum)	25.00 (Nominal)	35.00 (Maximum)		-63.00 (Minimum)	0 (Nominal)	63.00 (Maximum)	
5	13.62				-6.873				
		4.000 (Minimum)	14.00 (Nominal)	24.00 (Maximum)		-50.00 (Minimum)	0 (Nominal)	50.00 (Maximum)	
6	8.867				4.019				
		5.000 (Minimum)	10.00 (Nominal)	15.00 (Maximum)		-30.00 (Minimum)	0 (Nominal)	30.00 (Maximum)	
7	-0.5816				-2.271				
		-5.000 (Minimum)	0 (Nominal)	5.000 (Maximum)		-30.00 (Minimum)	0 (Nominal)	30.00 (Maximum)	
Master: 11-Jan-2004 18:19									

High resolution Integrated Logging Tool-DTS Wellsite Calibration									
Mud Gain Correction									
Idx	Value	Coarse - Mag, Real, Imag			Value	Fine - Mag, Real, Imag			
0	1.000				1.000				
		0.8000 (Minimum)	1.000 (Nominal)	1.200 (Maximum)		0.8000 (Minimum)	1.000 (Nominal)	1.200 (Maximum)	
1	1.000				1.000				
		0.8000 (Minimum)	1.000 (Nominal)	1.200 (Maximum)		0.8000 (Minimum)	1.000 (Nominal)	1.200 (Maximum)	
2	1.000				1.000				
		0.8000 (Minimum)	1.000 (Nominal)	1.200 (Maximum)		0.8000 (Minimum)	1.000 (Nominal)	1.200 (Maximum)	
Master: 11-Jan-2004 18:19									

High resolution Integrated Logging Tool-DTS Wellsite Calibration									
Stab Measurement Summary									
Phase	BS Window Ratio			Value	Phase	SS Window Ratio			Value
Before				0.7535	Before				0.4821
	0.7146 (Minimum)	0.7522 (Nominal)	0.7898 (Maximum)			0.4566 (Minimum)	0.4807 (Nominal)	0.5047 (Maximum)	
				11230					11110
	10670 (Minimum)	11230 (Nominal)	11790 (Maximum)			10590 (Minimum)	11140 (Nominal)	11700 (Maximum)	
				1243					1243
	1189 (Minimum)	1251 (Nominal)	1314 (Maximum)			1189 (Minimum)	1251 (Nominal)	1314 (Maximum)	
Before: 14-Mar-2004 9:35									

High resolution Integrated Logging Tool-DTS Wellsite Calibration									
Photo-multiplier High Voltages Calibrations									
Phase	BS PM High Voltage (Command) V			Value	Phase	SS PM High Voltage (Command) V			Value
Before				1823	Before				1961
	1776 (Minimum)	1876 (Nominal)	1976 (Maximum)			1823 (Minimum)	1923 (Nominal)	2023 (Maximum)	
				1971					1971
	1857 (Minimum)	1957 (Nominal)	2057 (Maximum)			1857 (Minimum)	1957 (Nominal)	2057 (Maximum)	
Before: 14-Mar-2004 9:35									

High resolution Integrated Logging Tool-DTS Wellsite Calibration									
Crystal Quality Resolutions Calibration									
Phase	BS Crystal Resolution %			Value	Phase	SS Crystal Resolution %			Value
Before				11.33	Before				10.83
	10.52 (Minimum)	11.52 (Nominal)	12.52 (Maximum)			9.106 (Minimum)	10.11 (Nominal)	11.11 (Maximum)	
				9.205					9.205
	8.105 (Minimum)	9.105 (Nominal)	10.10 (Maximum)			8.105 (Minimum)	9.105 (Nominal)	10.10 (Maximum)	
Before: 14-Mar-2004 9:35									

High resolution Integrated Logging Tool-DTS Wellsite Calibration									
MCFL Calibration									
Phase	Raw B0 Resistivity OHMM			Value	Phase	Raw B1 Resistivity OHMM			Value
Before				3857	Before				3834
	3565 (Minimum)	3875 (Nominal)	4185 (Maximum)			3524 (Minimum)	3830 (Nominal)	4136 (Maximum)	
				3847					3847
	3524 (Minimum)	3830 (Nominal)	4136 (Maximum)			3524 (Minimum)	3830 (Nominal)	4136 (Maximum)	
Before: 14-Mar-2004 9:27									

High resolution Integrated Logging Tool-DTS Wellsite Calibration									
HILT Caliper Calibration									
Phase	HILT Caliper Zero Measurement MM			Value	Phase	HILT Caliper Plus Measurement MM			Value
Before				200.8	Before				307.6
	152.4 (Minimum)	203.2 (Nominal)	254.0 (Maximum)			228.6 (Minimum)	304.8 (Nominal)	381.0 (Maximum)	
Before: 14-Mar-2004 10:10									

High resolution Integrated Logging Tool-DTS Wellsite Calibration									
Detector Calibration									
Phase	Gamma Ray Background GAPI			Value	Phase	Gamma Ray (Jig - Bkg) GAPI			Value
Before				30.17	Before				171.4
	0 (Minimum)	30.00 (Nominal)	120.0 (Maximum)			155.8 (Minimum)	171.4 (Nominal)	187.0 (Maximum)	
				165.0					165.0
	150.0 (Minimum)	165.0 (Nominal)	180.0 (Maximum)			150.0 (Minimum)	165.0 (Nominal)	180.0 (Maximum)	
Before: 14-Mar-2004 9:49									

High resolution Integrated Logging Tool

High resolution Integrated Logging Tool-DTS Master Calibration					
Sonde Error Correction					
Idx	Value	R Sonde Error Correction MM/M			Value
0	-37.90				-39.61
		-231.0 (Minimum)	-56.00 (Nominal)	119.0 (Maximum)	
1	168.0				132.9
		114.0 (Minimum)	159.0 (Nominal)	204.0 (Maximum)	
2	111.8				68.86
		66.00 (Minimum)	111.0 (Nominal)	156.0 (Maximum)	
3	64.01				140.6
		39.00 (Minimum)	64.00 (Nominal)	89.00 (Maximum)	
4	23.15				-41.23
		15.00 (Minimum)	25.00 (Nominal)	35.00 (Maximum)	
5	13.62				-6.873
		4.000 (Minimum)	14.00 (Nominal)	24.00 (Maximum)	
6	8.867				4.019
		5.000 (Minimum)	10.00 (Nominal)	15.00 (Maximum)	
7	-0.5816				-2.271
		-5.000 (Minimum)	0 (Nominal)	5.000 (Maximum)	
Master: 11-Jan-2004 18:19					

High resolution Integrated Logging Tool-DTS Master Calibration					
Mud Gain Correction					
Idx	Value	Coarse - Mag, Real, Imag			Value
0	1.000				1.000
		0.8000 (Minimum)	1.000 (Nominal)	1.200 (Maximum)	
1	1.000				1.000
		0.8000 (Minimum)	1.000 (Nominal)	1.200 (Maximum)	
2	1.000				1.000
		0.8000 (Minimum)	1.000 (Nominal)	1.200 (Maximum)	
Master: 11-Jan-2004 18:19					

High resolution Integrated Logging Tool-DTS Master Calibration					
Inversion results					
Phase	Rho Aluminum K/M3	Value	Phase	Rho Magnesium K/M3	Value
Master		2595	Master		1687
	2586 (Minimum)	2596 (Nominal)	2606 (Maximum)	1676 (Minimum)	1686 (Nominal)
				1696 (Maximum)	
Phase	Pe Aluminum	Value	Phase	Pe Magnesium	Value
Master		2.590	Master		2.624
	2.470 (Minimum)	2.570 (Nominal)	2.670 (Maximum)	2.550 (Minimum)	2.650 (Nominal)
				2.750 (Maximum)	
Master: 15-Feb-2004 1:11					

High resolution Integrated Logging Tool-DTS Master Calibration							
Deviation Summary							
Phase	BS Average Deviation %	Value	Phase	SS Average Deviation %	Value	Phase	LS Average Deviation %
Master		0.4211	Master		0.3113	Master	
	-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 %
Master		1.134	Master		0.5818	Master	
	-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-2004 1:11							

High resolution Integrated Logging Tool-DTS Master Calibration							
Tank Measurement							
Phase	Thermal Near Corr. (Tank) CPS	Value	Phase	Thermal Far Corr. (Tank) CPS	Value	Phase	CNTC/CFTC (Tank)
Master		6037	Master		2542	Master	
	5000 (Minimum)	6031 (Nominal)	7200 (Maximum)	2075 (Minimum)	2793 (Nominal)	3125 (Maximum)	2.120 (Minimum)
							2.159 (Nominal)
							2.540 (Maximum)
Master: 16-Jan-2004 11:48							

High resolution Integrated Logging Tool-DTS Master Calibration							
Tank Measurement							
Phase	Thermal Near Corr. (Tank) CPS	Value	Phase	Thermal Far Corr. (Tank) CPS	Value	Phase	CNTC/CFTC (Tank)
Master		6037	Master		2542	Master	
	5000 (Minimum)	6031 (Nominal)	7200 (Maximum)	2075 (Minimum)	2793 (Nominal)	3125 (Maximum)	2.120 (Minimum)
							2.159 (Nominal)
							2.540 (Maximum)
Master: 16-Jan-2004 11:48							

Litho Density - D / Equipment Identification			
Primary Equipment:			
Nuclear Services Cartridge		NSC - F	1868
Powered Gamma Detector		PGD - G	3745
Gamma Source Radioactive		GSR - J	2043
Auxiliary Equipment:			
Density Resistivity Sonde		DRS - E	723
Electronics Cartridge Housing		ECH - MKA	
Powered Detector Housing		PDH - L	

Litho Density - D Wellsite Calibration							
Background Measurement							
Phase	LL Background CPS	Value	Phase	LU Background CPS	Value	Phase	LS Background CPS
Master		15.91	Master		60.35	Master	
Before		15.81	Before		60.27	Before	
	15.00 (Minimum)	20.00 (Nominal)	25.00 (Maximum)	58.00 (Minimum)	76.00 (Nominal)	94.00 (Maximum)	43.00 (Minimum)
							57.00 (Nominal)
							72.00 (Maximum)
Phase	LITH Background CPS	Value	Phase	SS1 Background CPS	Value	Phase	SS2 Background CPS
Master		4.497	Master		14.79	Master	
Before		4.448	Before		14.85	Before	
	4.000 (Minimum)	5.500 (Nominal)	7.000 (Maximum)	12.00 (Minimum)	16.00 (Nominal)	19.50 (Maximum)	8.000 (Minimum)
							11.00 (Nominal)
							13.50 (Maximum)
Master: 23-Jan-2004 12:21				Before: 14-Mar-2004 9:25			

Litho Density - D Wellsite Calibration					
Detectors Resolution From BKG Measurements					
Phase	LS Resolution Background	Value	Phase	SS Resolution Background	Value
Master		8.482	Master		8.538
Before		8.580	Before		8.656
	5.000 (Minimum)	8.000 (Nominal)	11.50 (Maximum)	5.000 (Minimum)	8.000 (Nominal)
					11.50 (Maximum)
Master: 23-Jan-2004 12:21			Before: 14-Mar-2004 9:25		

Litho Density - D Master Calibration							
Aluminum Measurement							
Phase	LL Aluminum CPS	Value	Phase	LU Aluminum CPS	Value	Phase	LS Aluminum CPS
Master		83.18	Master		123.7	Master	
	70.00 (Minimum)	90.00 (Nominal)	125.0 (Maximum)	100.0 (Minimum)	135.0 (Nominal)	194.0 (Maximum)	120.0 (Minimum)
							155.0 (Nominal)
							217.0 (Maximum)
Phase	LITH Aluminum CPS	Value	Phase	SS1 Aluminum CPS	Value	Phase	SS2 Aluminum CPS
Master		50.24	Master		171.3	Master	
	35.00 (Minimum)	50.00 (Nominal)	74.00 (Maximum)	125.0 (Minimum)	175.0 (Nominal)	256.0 (Maximum)	210.0 (Minimum)
							260.0 (Nominal)
							353.0 (Maximum)
Master: 23-Jan-2004 13:08							

Litho Density - D Master Calibration							
Lithology Measurement							
Phase	LL Iron CPS	Value	Phase	LU Iron CPS	Value	Phase	LS Iron CPS
Master		82.18	Master		122.9	Master	
	60.00 (Minimum)	80.00 (Nominal)	114.0 (Maximum)	85.00 (Minimum)	120.0 (Nominal)	177.0 (Maximum)	100.0 (Minimum)
							135.0 (Nominal)
							193.0 (Maximum)
Phase	LITH Iron CPS	Value	Phase	SS1 Iron CPS	Value	Phase	SS2 Iron CPS
Master		35.77	Master		172.8	Master	
	15.00 (Minimum)	30.00 (Nominal)	51.00 (Maximum)	105.0 (Minimum)	155.0 (Nominal)	234.0 (Maximum)	190.0 (Minimum)
							245.0 (Nominal)
							325.0 (Maximum)
Master: 23-Jan-2004 12:48							

Litho Density - D Master Calibration																										
Spectrum Quality Ratios																										
Phase			QRLS Calculated			Value			Phase			QRSS Calculated			Value			Phase			QRLI Calculated			Value		
Master						0.6722			Master						0.7157			Master						0.3464		
0.6000 (Minimum)			0.6500 (Nominal)			0.7000 (Maximum)			0.6200 (Minimum)			0.7200 (Nominal)			0.8200 (Maximum)			0.2900 (Minimum)			0.3900 (Nominal)			0.4500 (Maximum)		
Phase			QLIR Calculated			Value			Phase			QR Calculated			Value											
Master						1.391			Master						1.019											
1.290 (Minimum)			1.390 (Nominal)			1.450 (Maximum)			0.9800 (Minimum)			1.000 (Nominal)			1.020 (Maximum)											
Master: 23-Jan-2004 13:09																										

Field: **UNDEFINED**

Province: **NORTHWEST TERRITORIES**

PLATFORM EXPRESS:

ARRAY INDUCTION LOG