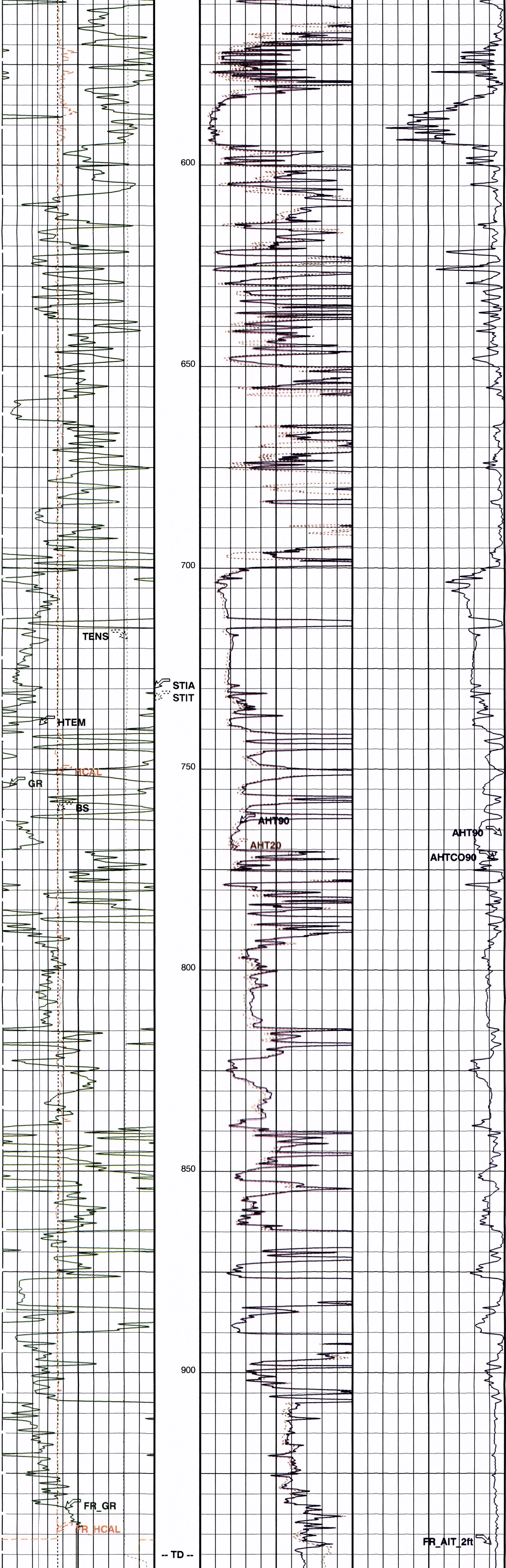




MAIN PASS: *** PLATFORM EXPRESS - ARRAY INDUCTION ***

HTC Cartridge Temperature (HTEM) (DEGC)		50	AIT-H 90 Inch Investigation Conductivity (AHTCO90) (MM/M)		1000	0
HILT Caliper (HCAL) (MM)		125	AIT-H 20 Inch Investigation (AHT20) (OHMM)		0	50
Bit Size (BS) (MM)		125	AIT-H 90 Inch Investigation (AHT90) (OHMM)		0	50
Gamma Ray (GR) (GAPI)		0				
Tension (TENS) 25000 (N)		0				

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
Resitivity 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)	12	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
STI: Stuck Tool Indicator			
LBFR	Trigger for MAXIS First Reading Label	TDL	
STKT	STI Stuck Threshold	1.5	M
TDD	Total Depth - Driller	945.00	M
TDL	Total Depth - Logger	945.00	M
HOLEV: Integrated Hole/Cement Volume			
BHT	Bottom Hole Temperature (used in calculations)	12	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	1100.00	K/M3
DO	Depth Offset for Playback	0.0	M
MST	Mud Sample Temperature	-50000.00	DEGC
PP	Playback Processing	NORMAL	
TD	Total Depth	945	M

Format: AITH2_S2 Vertical Scale: 1:600

Graphics File Created: 21-Feb-2004 06:11

OP System Version: 11C0-305

MCM

HILTB-FTB
DTA-A

11C0-305
OP11-KP1

LDT-D
DTC-H

11C0-305
11C0-305

Input DLIS Files

DEFAULT	AIT_TLD_MCFL_CNL_009LUP	FN:18	PRODUCER	21-Feb-2004 04:46	949.1 M	1.4 M
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Output DLIS Files

DEFAULT	AIT_TLD_MCFL_CNL_014PUP	FN:29	PRODUCER	21-Feb-2004 06:11
BACKUP	AIT_TLD_MCFL_CNL_014PUP	FN:30	PRODUCER	21-Feb-2004 06:20
CUST	AIT_TLD_MCFL_CNL_014PUC	FN:31	CUSTOMER	21-Feb-2004 06:11

Input DLIS Files

DEFAULT	AIT_TLD_MCFL_CNL_009LUP	FN:18	PRODUCER	21-Feb-2004 04:46	949.1 M	1.4 M
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Output DLIS Files

DEFAULT	AIT_TLD_MCFL_CNL_014PUP	FN:29	PRODUCER	21-Feb-2004 06:11	949.1 M	405.5 M
BACKUP	AIT_TLD_MCFL_CNL_014PUP	FN:30	PRODUCER	21-Feb-2004 06:20	949.1 M	405.5 M
CUST	AIT_TLD_MCFL_CNL_014PUC	FN:31	CUSTOMER	21-Feb-2004 06:11	949.1 M	405.5 M

OP System Version: 11C0-305

MCM

HILTB-FTB
DTA-A

11C0-305
OP11-KP1

LDT-D
DTC-H

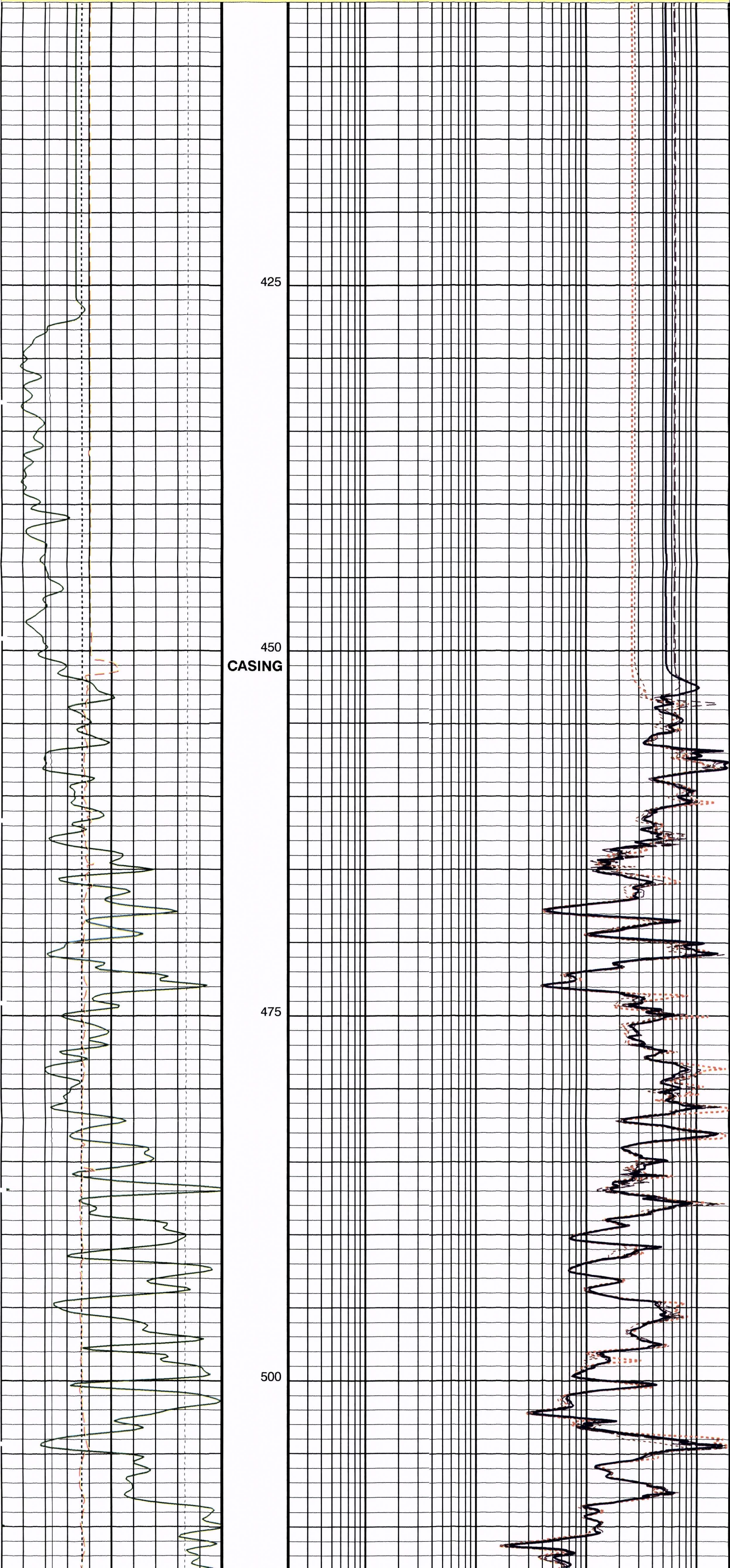
11C0-305
11C0-305

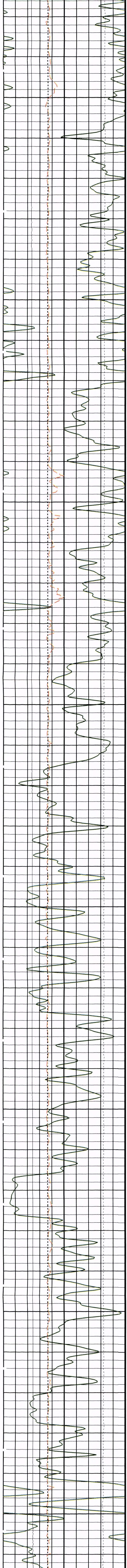
PIP SUMMARY

 Time Mark Every 60 S

	Tension (TENS) 25000 (N)	0		AIT-H 90 Inch Investigation (AHT90)		
				0.2	(OHMM)	2000
Gamma Ray (GR) (GAPI)					AIT-H 60 Inch Investigation (AHT60)	
0		150		0.2	(OHMM)	2000
Bit Size (BS) (MM)					AIT-H 30 Inch Investigation (AHT30)	
125		375	0.2	(OHMM)	2000	
HILT Caliper (HCAL) (MM)				AIT-H 20 Inch Investigation (AHT20)		
125		375	0.2	(OHMM)	2000	
HTC Cartridge Temperature (HTEM) (DEGC)			Stuck Stretch (STIT)	AIT-H 10 Inch Investigation (AHT10)		
0		50	(M)	0.2	(OHMM)	
			0		2000	

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





525

550

575

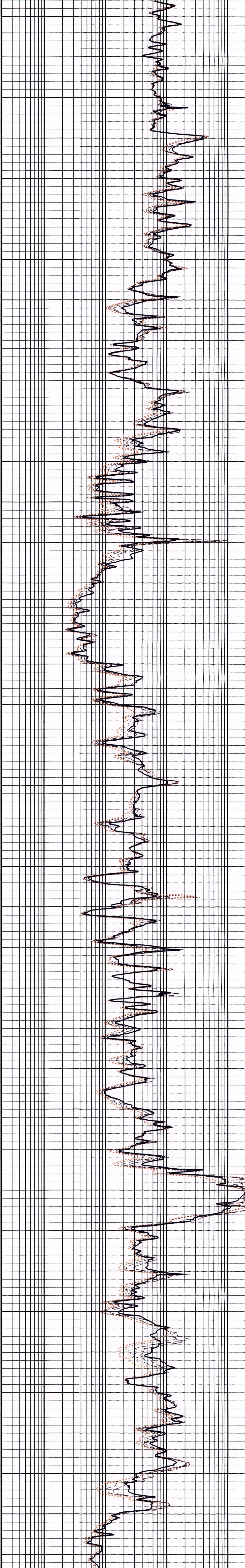
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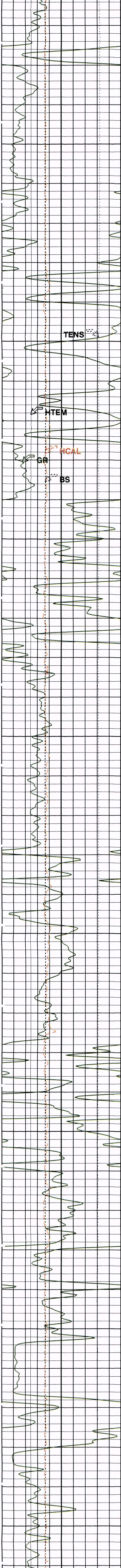
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650

675

700





725

750

STIA
STIT

775

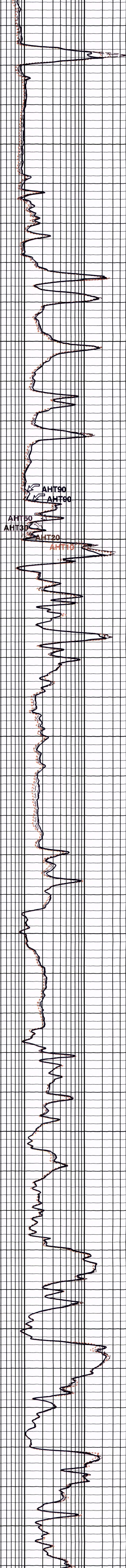
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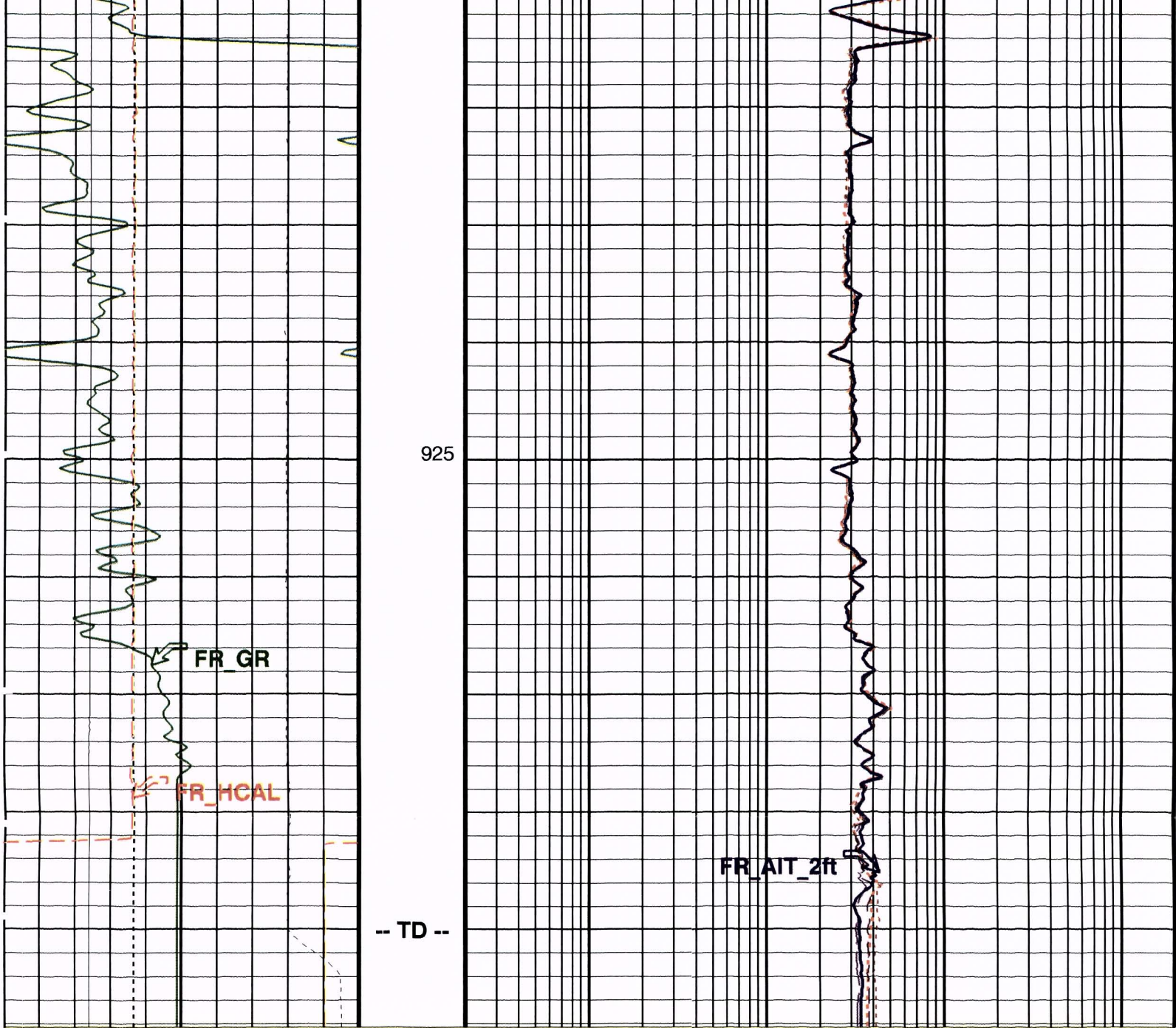
825

850

875

900





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

HTC Cartridge Temperature (HTEM) (DEGC)	50	Stuck Stretch (STIT) (M)	20	AIT-H 10 Inch Investigation (AHT10) (OHMM)	2000
HILT Caliper (HCAL) (MM)	125			AIT-H 20 Inch Investigation (AHT20) (OHMM)	2000
Bit Size (BS) (MM)	125			AIT-H 30 Inch Investigation (AHT30) (OHMM)	2000
Gamma Ray (GR) (GAPI)	0			AIT-H 60 Inch Investigation (AHT60) (OHMM)	2000
Tension (TENS) 25000 (N)	0			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 *****
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
Resitivity 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)	12 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
STI: Stuck Tool Indicator		
LBFR	Trigger for MAXIS First Reading Label	TDL
STKT	STI Stuck Threshold	1.5 M
TDD	Total Depth - Driller	945.00 M
TDL	Total Depth - Logger	945.00 M
HOLEV: Integrated Hole/Cement Volume		
BHT	Bottom Hole Temperature (used in calculations)	12 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	1100.00 K/M3
DO	Depth Offset for Playback	0.0 M
MST	Mud Sample Temperature	-50000.00 DEGC
PP	Playback Processing	NORMAL
TD	Total Depth	945 M

Format: AITH2_S5 Vertical Scale: 1:240 Graphics File Created: 21-Feb-2004 06:11

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_009LUP	FN:18	PRODUCER	21-Feb-2004 04:46 949.1 M 1.4 M
Output DLIS Files				
DEFAULT	AIT_TLD_MCFL_CNL_014PUP	FN:29	PRODUCER	21-Feb-2004 06:11
BACKUP	AIT_TLD_MCFL_CNL_014PUP	FN:30	PRODUCER	21-Feb-2004 06:20
CUST	AIT_TLD_MCFL_CNL_014PUC	FN:31	CUSTOMER	21-Feb-2004 06:11

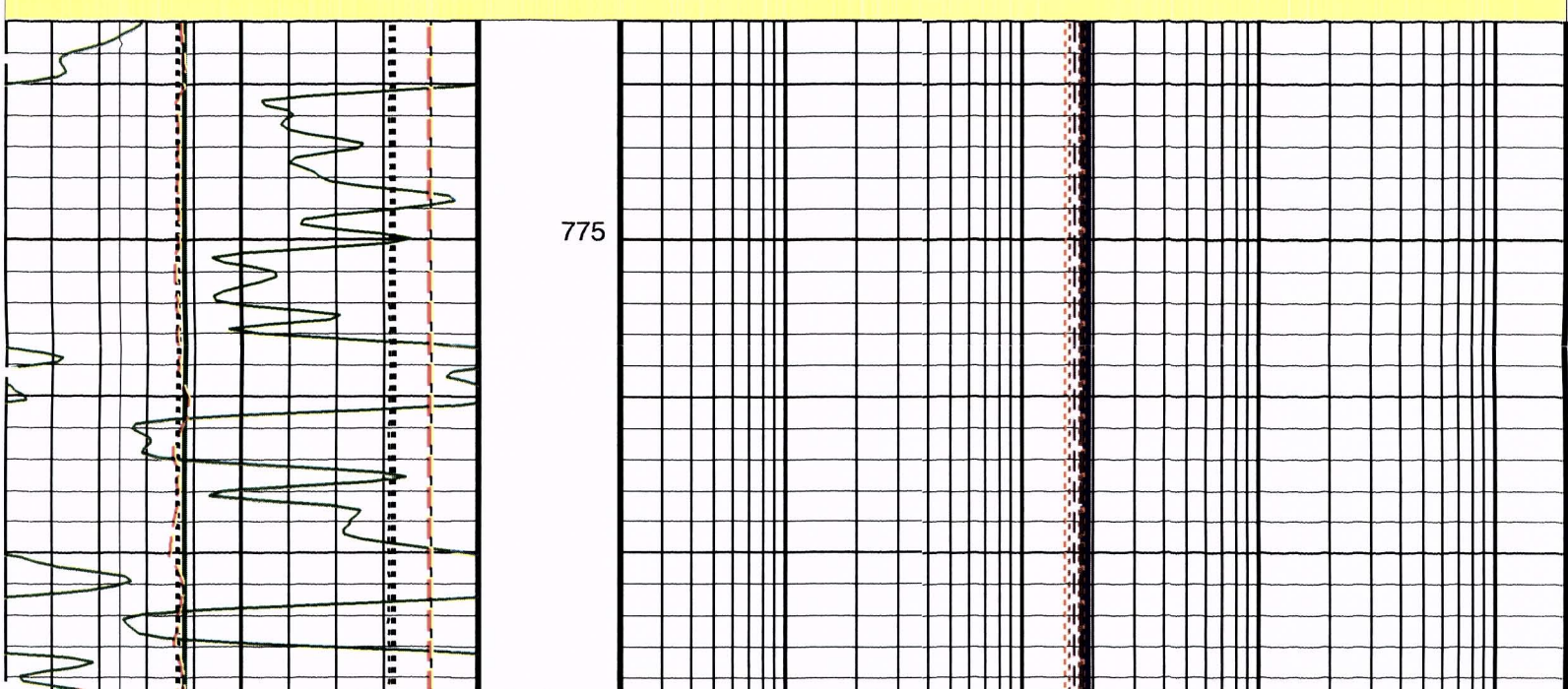
Input DLIS Files				
DEFAULT	AIT_TLD_MCFL_CNL_008PUP	FN:15	PRODUCER	21-Feb-2004 04:44 948.1 M 767.9 M
Output DLIS Files				
DEFAULT	AIT_TLD_MCFL_CNL_009LUP	FN:18	PRODUCER	21-Feb-2004 04:46
BACKUP	AIT_TLD_MCFL_CNL_009LUP	FN:19	PRODUCER	21-Feb-2004 04:55
CUST	AIT_TLD_MCFL_CNL_009LUC	FN:20	CUSTOMER	21-Feb-2004 04:46

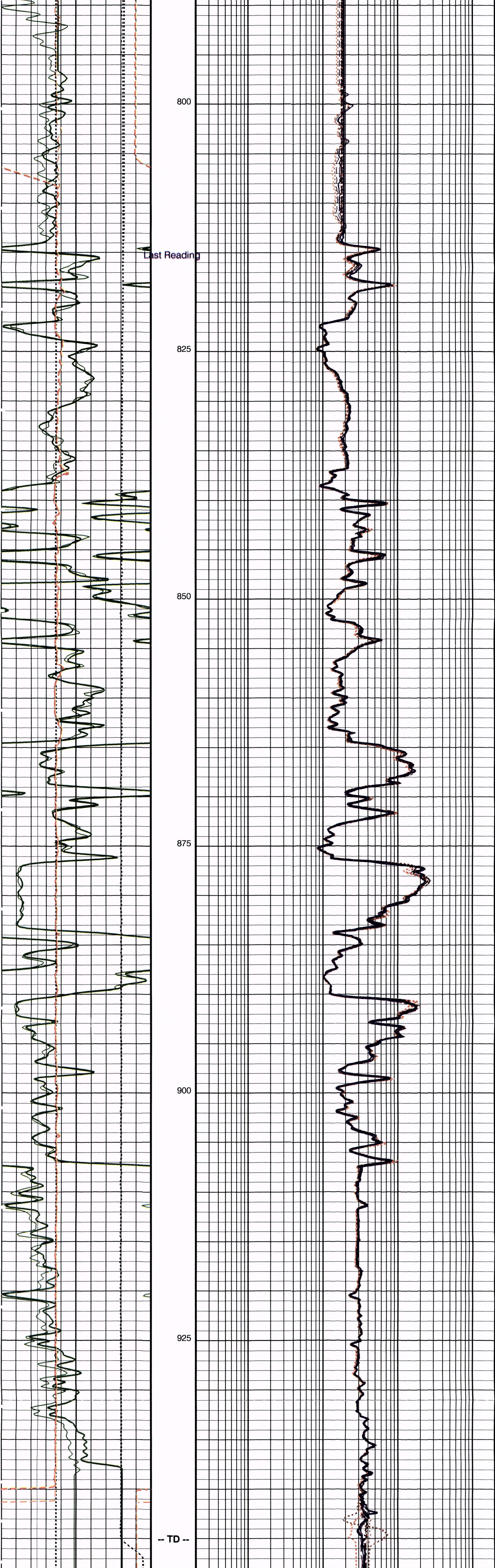
OP System Version: 11C0-305				
MCM				
HILTB-FTB	11C0-305	LDT-D	11C0-305	
DTA-A	OP11-KP1	DTC-H	11C0-305	

PIP SUMMARY

Time Mark Every 60 S		TENS_REP Curve (TENS_REP) 25000 (N) 0	AHT90 REP Curve (AHT90_REP) (OHMM) 2000
HCAL_REP Curve (HCAL_REP) 125 (MM) 375			AHT60 REP Curve (AHT60_REP) (OHMM) 2000
GR_REP Curve (GR_REP) 0 (GAPI) 150			AHT30 REP Curve (AHT30_REP) (OHMM) 2000
BS_REP Curve (BS_REP) 125 (MM) 375			AHT20 REP Curve (AHT20_REP) (OHMM) 2000
HTC Cartridge Temperature (HTEM) 0 (DEGC) 50			AHT10 REP Curve (AHT10_REP) (OHMM) 2000

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





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

HTC Cartridge Temperature (HTEM) 0 (DEGC) 50	AHT10 REP Curve (AHT10 REP) 0.2 (OHMM) 2000
BS REP Curve (BS REP) 125 (MM) 375	AHT20 REP Curve (AHT20 REP) 0.2 (OHMM) 2000
GR REP Curve (GR REP) 0 (GAPI) 150	AHT30 REP Curve (AHT30 REP) 0.2 (OHMM) 2000
HCAL REP Curve (HCAL REP) 125 (MM) 375	AHT60 REP Curve (AHT60 REP) 0.2 (OHMM) 2000
TENS REP Curve (TENS REP) 25000 (N) 0	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
Resitivity Connate Water (RW) 1.000 OHMM
***** AIT-H Answer Product Processing Control Parameters *****

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)	12	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)	12	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	1100.00	K/M3
DORL	Depth Offset for Repeat Analysis	0.0	M
MST	Mud Sample Temperature	-50000.00	DEGC
TD	Total Depth	945	M

Format: AITH2_S5_REP Vertical Scale: 1:240 Graphics File Created: 21-Feb-2004 04:46

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_008PUP	FN:15	PRODUCER	21-Feb-2004 04:44	948.1 M	767.9 M

Output DLIS Files						
DEFAULT	AIT_TLD_MCFL_CNL_009LUP	FN:18	PRODUCER	21-Feb-2004 04:46		
BACKUP	AIT_TLD_MCFL_CNL_009LUP	FN:19	PRODUCER	21-Feb-2004 04:55		
CUST	AIT_TLD_MCFL_CNL_009LUC	FN:20	CUSTOMER	21-Feb-2004 04:46		

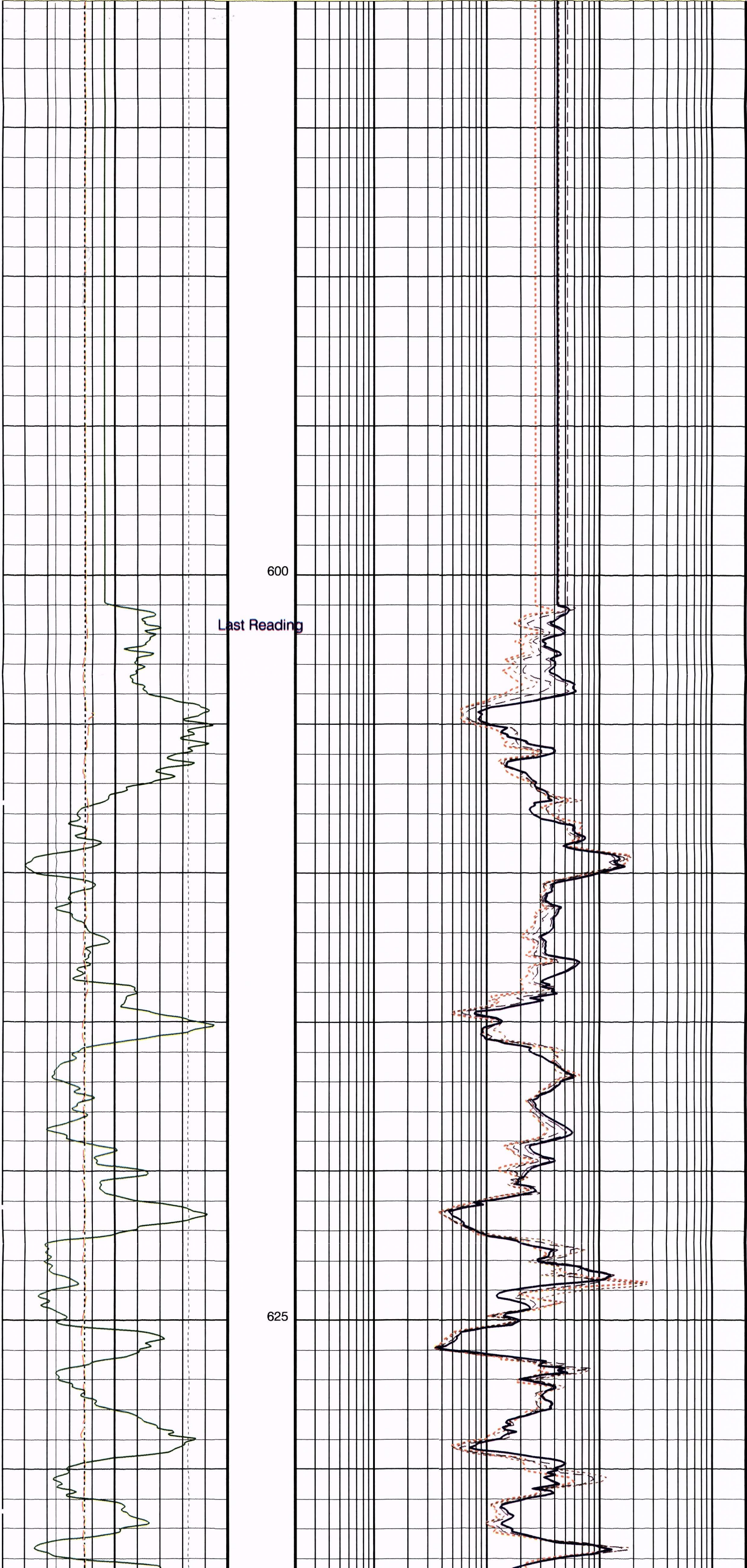
Input DLIS Files						
DEFAULT	AIT_TLD_MCFL_CNL_009LUP	FN:18	PRODUCER	21-Feb-2004 04:46	949.1 M	1.4 M

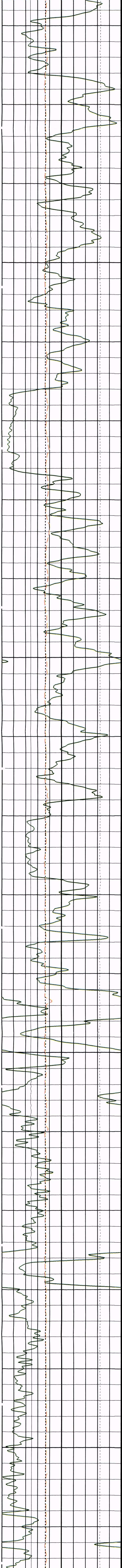
Output DLIS Files						
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BACKUP	AIT_TLD_MCFL_CNL_013PUP	FN:27	PRODUCER	21-Feb-2004 06:17	949.1 M	580.6 M
CUST	AIT_TLD_MCFL_CNL_013PUC	FN:28	CUSTOMER	21-Feb-2004 06:08	949.1 M	580.6 M

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

PIP SUMMARY			
Time Mark Every 60 S			
0	Tension (TENS)	0	AIT-H 90 Inch Investigation (AHO90)
	25000 (N)		0.2 (OHMM) 2000
	HiRes GammaRay (HGR)		AIT-H 60 Inch Investigation (AHO60)
	(GAPI) 150		0.2 (OHMM) 2000
125	Bit Size (BS)	375	AIT-H 30 Inch Investigation (AHO30)
	(MM)		0.2 (OHMM) 2000
125	HILT Caliper (HCAL)	375	AIT-H 20 Inch Investigation (AHO20)
	(MM)		0.2 (OHMM) 2000
0	HTC Cartridge Temperature (HTEM)	50	AIT-H 10 Inch Investigation (AHO10)
	(DEGC)		
			0.2 (OHMM) 2000
	Stuck Stretch (STIT)	0 (M) 20	

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



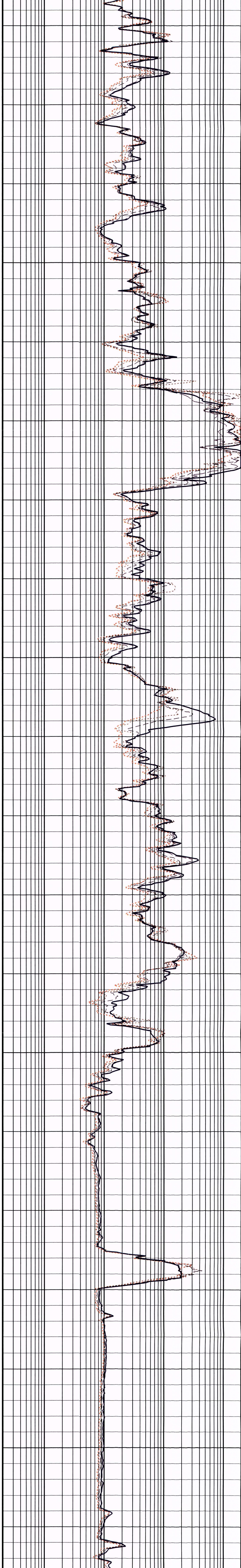


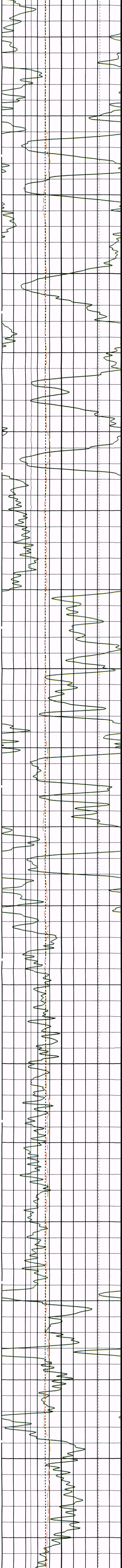
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675

700

725



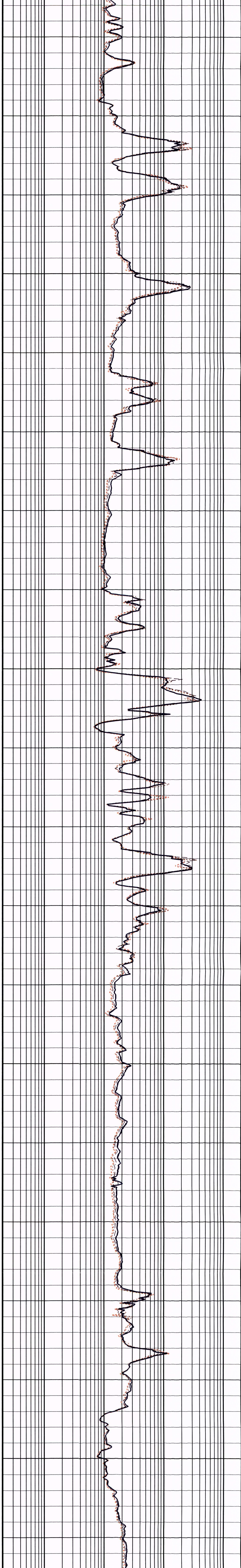


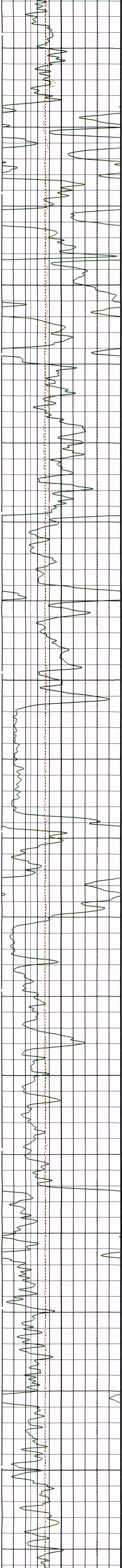
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775

800

825



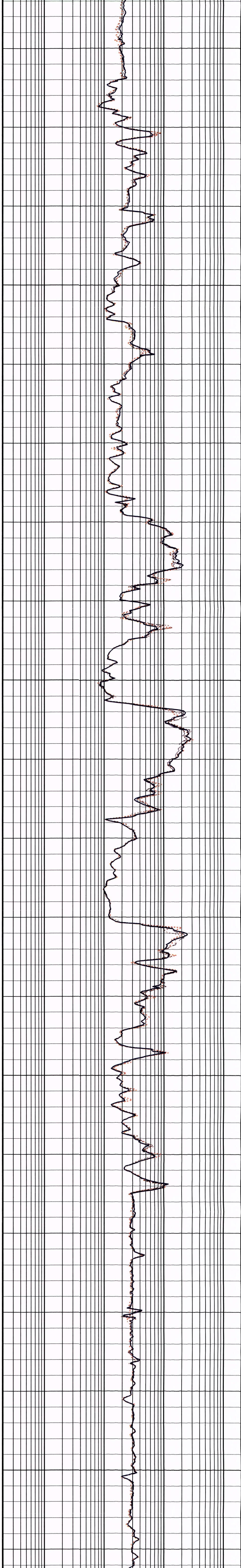


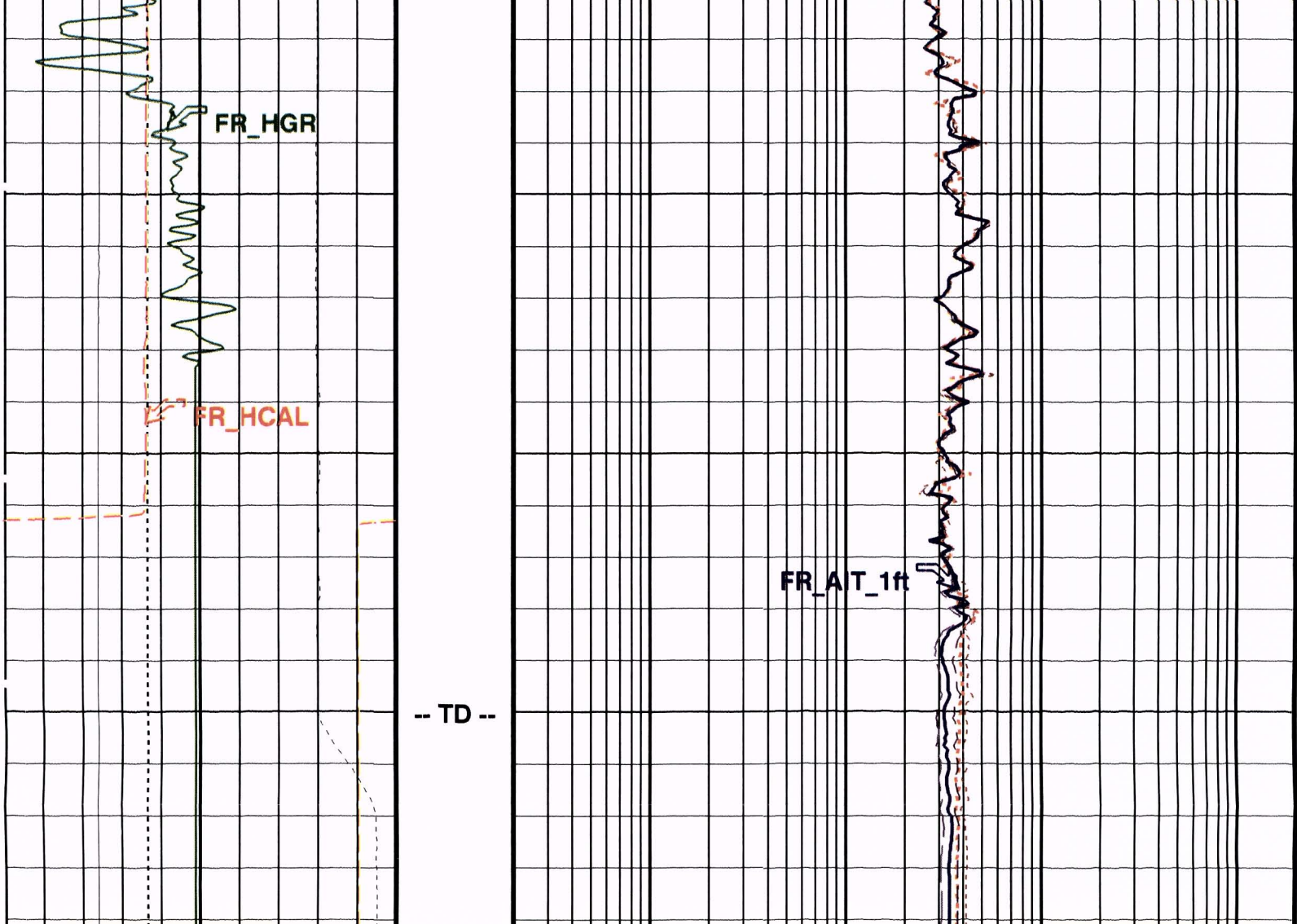
850

875

900

925





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

HTC Cartridge Temperature (HTEM) 0 (DEGC) 50	Stuck Stretch (STIT) 0 (M) 20	AIT-H 10 Inch Investigation (AHO10) (OHMM) 0.2 2000
HILT Caliper (HCAL) 125 (MM) 375		AIT-H 20 Inch Investigation (AHO20) (OHMM) 0.2 2000
Bit Size (BS) 125 (MM) 375		AIT-H 30 Inch Investigation (AHO30) (OHMM) 0.2 2000
HiRes GammaRay (HGR) 0 (GAPI) 150		AIT-H 60 Inch Investigation (AHO60) (OHMM) 0.2 2000
Tension (TENS) 25000 (N) 0		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
Resitivity 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)	12 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
STI: Stuck Tool Indicator		
LBFR	Trigger for MAXIS First Reading Label	TDL
STKT	STI Stuck Threshold	1.5 M
TDD	Total Depth - Driller	945.00 M
TDL	Total Depth - Logger	945.00 M
HOLEV: Integrated Hole/Cement Volume		
BHT	Bottom Hole Temperature (used in calculations)	12 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	1100.00 K/M3
DO	Depth Offset for Playback	0.0 M
MST	Mud Sample Temperature	-50000.00 DEGC
PP	Playback Processing	NORMAL
TD	Total Depth	945 M

Format: AITH1_S10 Vertical Scale: 1:120 Graphics File Created: 21-Feb-2004 06:08

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_009LUP	FN:18	PRODUCER	21-Feb-2004 04:46 949.1 M 1.4 M
Output DLIS Files				
DEFAULT	AIT_TLD_MCFL_CNL_013PUP	FN:26	PRODUCER	21-Feb-2004 06:08
BACKUP	AIT_TLD_MCFL_CNL_013PUP	FN:27	PRODUCER	21-Feb-2004 06:17
CUST	AIT_TLD_MCFL_CNL_013PUC	FN:28	CUSTOMER	21-Feb-2004 06:08

Input DLIS Files				
DEFAULT	AIT_TLD_MCFL_CNL_009LUP	FN:18	PRODUCER	21-Feb-2004 04:46 949.1 M 1.4 M
Output DLIS Files				
DEFAULT	AIT_TLD_MCFL_CNL_014PUP	FN:29	PRODUCER	21-Feb-2004 06:11 949.1 M 405.5 M
BACKUP	AIT_TLD_MCFL_CNL_014PUP	FN:30	PRODUCER	21-Feb-2004 06:20 949.1 M 405.5 M
CUST	AIT_TLD_MCFL_CNL_014PUC	FN:31	CUSTOMER	21-Feb-2004 06:11 949.1 M 405.5 M

HRDD Processing Flags Statistical Analysis:				
Percentages computed on interval 3071.2 to 1489.7 ft (936.1 to 454.1 m)				
Pef Flags Up	0.3 %			
Density Flags Up	0.1 %			
	Window 1	Window 2	Window 3	Window 4
BS Average Reconstruction Error	0.19 %	-0.39 %	0.43 %	
SS Average Reconstruction Error	-0.11 %	0.24 %	-0.08 %	-0.20 %
LS Average Reconstruction Error	0.37 %	0.07 %	0.66 %	1.33 %

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
MATR	LIMESTONE	SANDSTONE	0.0 06:11:46

PIP SUMMARY
Time Mark Every 60 S

AIT-H Mud Full Cal (AHMF) 0 (OHMM) 5	AIT-H QC Fully Calibrated A8 Signal (AHQABN[7]) 2 (MM/M) 20000 AIT-H QC Fully Calibrated A7 Signal (AHQABN[6]) 2 (MM/M) 20000 AIT-H QC Fully Calibrated A6 Signal (AHQABN[5]) 2 (MM/M) 20000 AIT-H QC Fully Calibrated A5 Signal (AHQABN[4]) 2 (MM/M) 20000 AIT-H QC Fully Calibrated A4 Signal (AHQABN[3]) 2 (MM/M) 20000 AIT-H QC Fully Calibrated A3 Signal (AHQABN[2]) 2 (MM/M) 20000	
HILT Caliper (HCAL) 125 (MM) 375		
HGNS Deviation (GDEV) -5 (DEG) 45		
Gamma Ray (ECGR) 0 (GAPI) 150		
Std. Res. Density Standoff (DSOZ) 65 (MM) 0		Pe Correction (HPRA) -3 (---) 3
Bit Size (BS) 125 (MM) 375		BS Delta Rho (HDRB) -0.5 (G/C3) 0.5
AIT-H Bhole/Form Signal Ratio (AHBFR) 25 (---) -25		Density Correction (HDRA) 450 (K/M3) -50

AIT-H TEMP (AHTCA) (DEGC)		25	125	Stick Stretch (STIT)	0	(M)	20	AIT-H QC Fully Calibrated A2 Signal (AHQABN[1])		2	20000	Delta Neutron Porosity (DNPH)		-0.1	0.1
Std. Res. Resistivity Standoff (RSOZ) (MM)		65	0	Tension (TENS) (N)	20000		0	AIT-H QC Fully Calibrated A1 Signal (AHQABN[0])		2	20000	GR Borehole Correction Factor (CFGR)		0.5	1.5

LOG QUALITY: *** PLATFORM EXPRESS ***

*** Flag Tracks ***

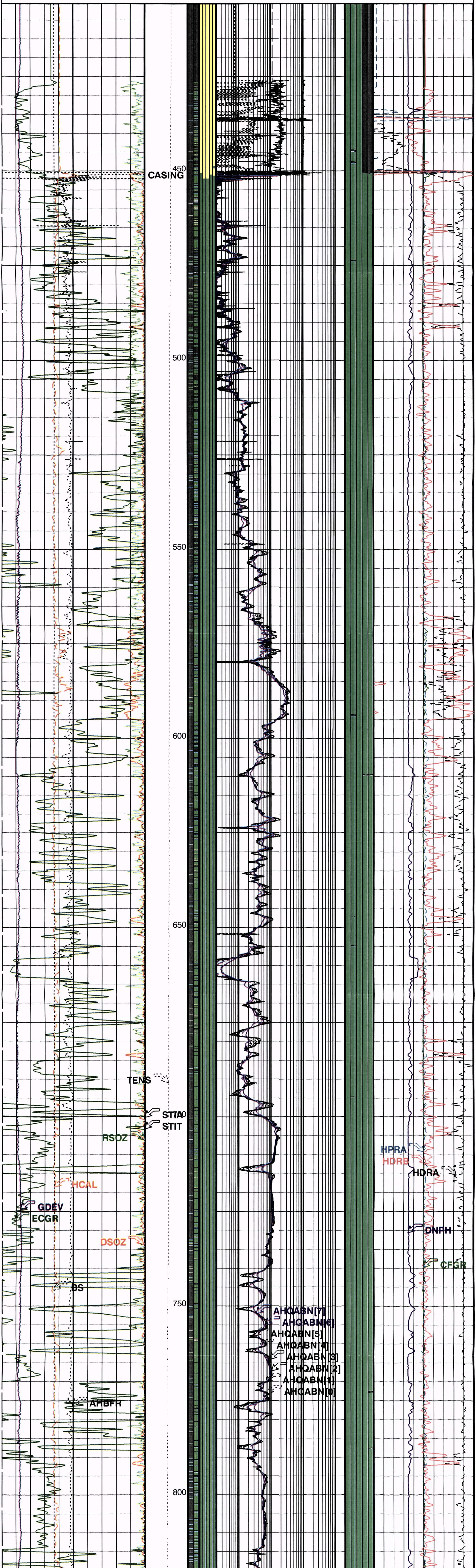
White = Absent Green = Good Yellow = Warn Red/Black = Bad

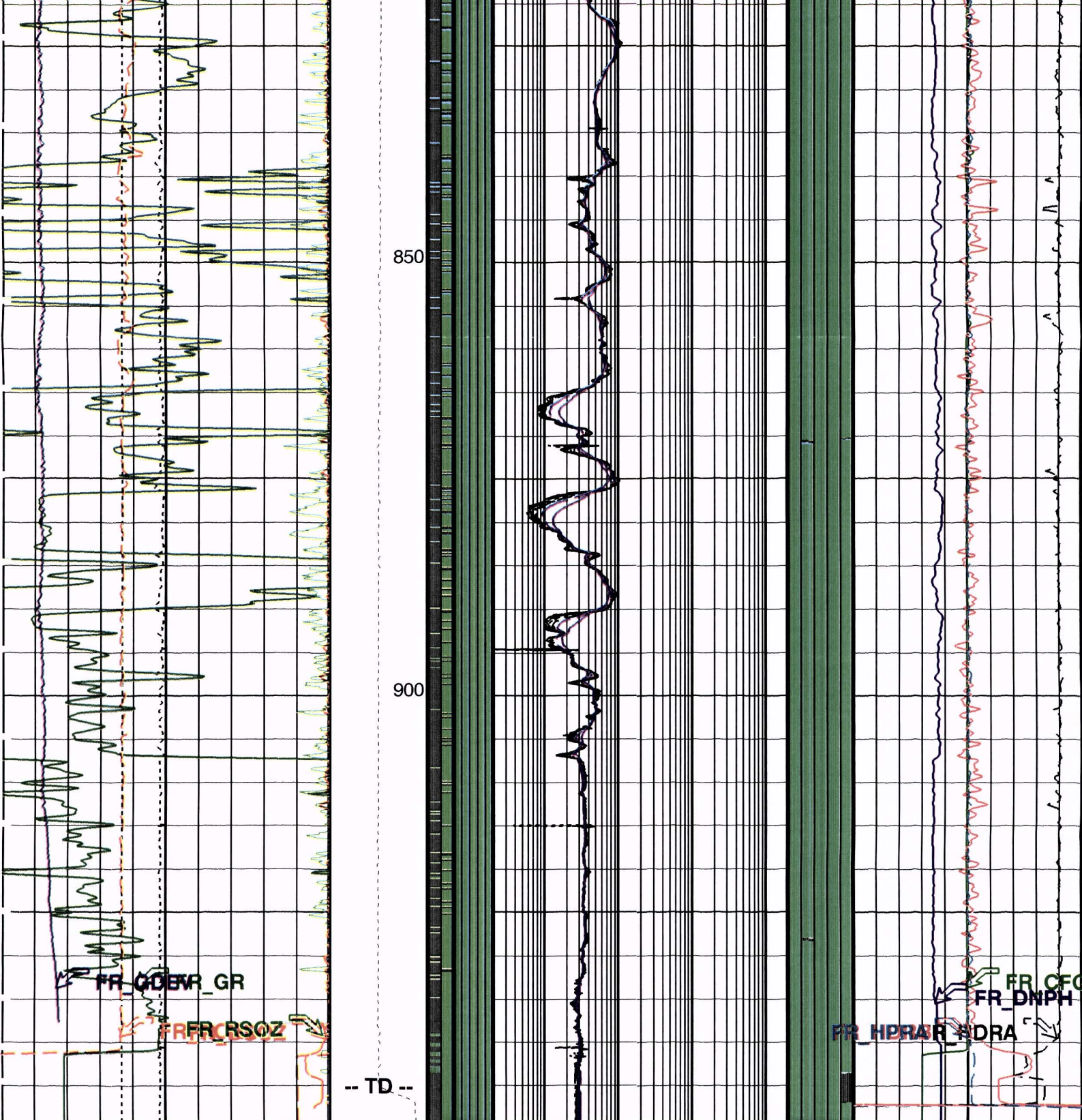
RESISTIVITY TRACK :

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) 25 (DEGC) 125	Stuck Stretch (STIT) (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) 125 (MM) 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) 0 (GAPI) 150		AIT-H QC Fully Calibrated A6 Signal (AHQABN[5]) 2 (MM/M) 20000	
HGNS Deviation (GDEV) -5 (DEG) 45		AIT-H QC Fully Calibrated A7 Signal (AHQABN[6]) 2 (MM/M) 20000	
HILT Caliper (HCAL) 125 (MM) 375		AIT-H QC Fully Calibrated A8 Signal (AHQABN[7]) 2 (MM/M) 20000	
AIT-H Mud Full Cal (AHMF) 0 (OHMM) 5			

PIP SUMMARY

Time Mark Every 60 S

Parameters		
DLIS Name	Description	Value
HILTB-FTB: High resolution Integrated Logging Tool-DTS		
AHBM	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
AHMRF	Array Induction Mud Resistivity Factor	1
AHSTA	Array Induction Tool Standoff	25 MM
BHFL	Borehole Fluid Type	OIL
BHS	Borehole Status	CASED
BHT	Bottom Hole Temperature (used in calculations)	12 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
MWCO	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
STI: Stuck Tool Indicator		
LBFR	Trigger for MAXIS First Reading Label	TDL
STKT	STI Stuck Threshold	1.5 M
TDD	Total Depth - Driller	945.00 M
TDL	Total Depth - Logger	945.00 M
HOLEV: Integrated Hole/Cement Volume		
BHS	Borehole Status	CASED
BHT	Bottom Hole Temperature (used in calculations)	12 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
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	1100.00 K/M3
DO	Depth Offset for Playback	0.0 M
MST	Mud Sample Temperature	-50000.00 DEGC
PP	Playback Processing	NORMAL
RMFS	Resistivity of Mud Filtrate Sample	-50000.0000 OHMM
TD	Total Depth	945 M

Format: PEX_LQC

Vertical Scale: 1:600

Graphics File Created: 21-Feb-2004 06:11

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_009LUP	FN:18	PRODUCER	21-Feb-2004 04:46	949.1 M	1.4 M
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Output DLIS Files

DEFAULT	AIT_TLD_MCFL_CNL_014PUP	FN:29	PRODUCER	21-Feb-2004 06:11
BACKUP	AIT_TLD_MCFL_CNL_014PUP	FN:30	PRODUCER	21-Feb-2004 06:20
CUST	AIT_TLD_MCFL_CNL_014PUC	FN:31	CUSTOMER	21-Feb-2004 06:11

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: 21-Feb-2004 3:45							
Thru Cal Magnitude - 0	0	0.6159	0.6238	N/A	N/A	N/A	V
Thru Cal Magnitude - 1	0	1.263	1.279	N/A	N/A	N/A	V
Thru Cal Magnitude - 2	0	0.6267	0.6347	N/A	N/A	N/A	V

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 -	
HILT Nuclear Long-Spacing Detector	HILT -	
Auxiliary Equipment:		

High resolution Integrated Logging Tool-DTS Wellsite Calibration							
Electronics Calibration Check - Thru Cal Mag. & Phase							
Idx	Phase	Value	Thru Cal Magnitude V	Nominal	Value	Phase DEG	Nominal
0	Master	0.6159		0.6050	65.97		71.00
	Before	0.6238			66.19		
1	Master	1.263		1.270	64.94		70.00
	Before	1.279			65.16		
2	Master	0.6267		0.6230	61.10		66.00
	Before	0.6347			61.32		
3	Master	0.7081		0.7040	60.30		65.00
	Before	0.7174			60.52		
	Master	1.329			53.79		

4	Before	1.346		1.337	54.00		59.00
	Master	1.919		1.955	51.96		57.00
5	Before	1.943			52.16		
6	Master	1.922		1.955	51.92		57.00
	Before	1.947			52.12		
7	Master	1.377		1.415	48.48		53.00
	Before	1.394			48.64		
		60.00 % (Minimum)	(Nominal)	140.0 % (Maximum)	Nom -60.00 (Minimum)	(Nominal)	Nom + 60.00 (Maximum)
Master: 11-Jan-2004 18:19					Before: 21-Feb-2004 3:45		

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			997.3	Before			0.2384
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			0.9238	Before			0.0002414
0.8700 (Minimum)		0.9150 (Nominal)	0.9600 (Maximum)	-0.05000 (Minimum)		0 (Nominal)	0.05000 (Maximum)
Master: 11-Jan-2004 18:19				Before: 21-Feb-2004 3:45			

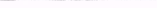
High resolution Integrated Logging Tool-DTS Wellsite Calibration						
Test Loop Gain Correction						
Idx	Value	Test Loop Gain Magnitude V			Value	Phase DEG
0	1.019				0.4294	
		0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)	-3.000 (Minimum)	0 (Nominal) 3.000 (Maximum)
1	1.017				0.5291	
		0.9500 (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											
BS Window Ratio			Value	SS Window Ratio			Value	LS Window Ratio			Value
Before			0.7552	Before			0.4797	Before			0.3020
0.7146 (Minimum)		0.7522 (Nominal)	0.7898 (Maximum)	0.4566 (Minimum)		0.4807 (Nominal)	0.5047 (Maximum)	0.2793 (Minimum)		0.2940 (Nominal)	0.3087 (Maximum)
BS Window Sum CPS			Value	SS Window Sum CPS			Value	LS Window Sum CPS			Value
Before			11250	Before			11130	Before			1241
10670 (Minimum)		11230 (Nominal)	11790 (Maximum)	10590 (Minimum)		11140 (Nominal)	11700 (Maximum)	1189 (Minimum)		1251 (Nominal)	1314 (Maximum)
Before: 19-Feb-2004 19:59											

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	Phase	LS PM High Voltage (Command) V	Value		
Before		1814	Before		1989	Before		1992		
1776 (Minimum)		1876 (Nominal)	1823 (Minimum)		1923 (Nominal)	2023 (Maximum)		1857 (Minimum)	1957 (Nominal)	2057 (Maximum)
Before: 19-Feb-2004 19:59										

High resolution Integrated Logging Tool-DTS Wellsite Calibration											
Crystal Quality Resolutions Calibration											
Phase	BS Crystal Resolution %		Value	Phase	SS Crystal Resolution %		Value	Phase	LS Crystal Resolution %		Value
Before			11.16	Before			11.06	Before			8.905
	10.52 (Minimum)	11.52 (Nominal)	12.52 (Maximum)		9.106 (Minimum)	10.11 (Nominal)	11.11 (Maximum)		8.105 (Minimum)	9.105 (Nominal)	10.10 (Maximum)
Before: 19-Feb-2004 19:59											

High resolution Integrated Logging Tool-DTS Wellsite Calibration												
MCFL Calibration												
Phase	Raw B0 Resistivity OHMM		Value	Phase	Raw B1 Resistivity OHMM		Value	Phase	Raw B2 Resistivity OHMM		Value	
Before			3856	Before			3835	Before			3849	
3565 (Minimum)			3875 (Nominal)	3524 (Minimum)			3830 (Nominal)	3524 (Minimum)			3830 (Nominal)	4136 (Maximum)
Before: 19-Feb-2004 19:50												

High resolution Integrated Logging Tool-DTS Wellsite Calibration						
HILT Caliper Calibration						
Phase HILT Caliper Zero Measurement MM			Phase HILT Caliper Plus Measurement MM			Value
Before						307.5
152.4 (Minimum)		203.2 (Nominal)	228.6 (Minimum)		304.8 (Nominal)	381.0 (Maximum)
Before: 19-Feb-2004 19:43						

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			25.35	Before			175.0	Before			165.0
0	30.00	120.0		159.1	175.0	191.0		150.0	165.0	180.0	
(Minimum)	(Nominal)	(Maximum)		(Minimum)	(Nominal)	(Maximum)		(Minimum)	(Nominal)	(Maximum)	
Before: 19-Feb-2004 19:43											

High resolution Integrated Logging Tool-DTS Wellsite Calibration							
Zero Measurement							
Phase	CNTC Background CPS		Value	Phase	CFTC Background CPS		Value
Master			26.04	Master			27.25
Before			25.69	Before			30.38
5.000 (Minimum)		26.04 (Nominal)	40.00 (Maximum)	5.000 (Minimum)		27.25 (Nominal)	40.00 (Maximum)
Master: 16-Jan-2004 11:48				Before: 19-Feb-2004 19:45			

High resolution Integrated Logging Tool-DTS Wellsite Calibration		
Accelerometer Calibration		
Phase	Z-Axis Acceleration M/S2	Value
Before		9.814
9.610 (Minimum)	9.810 (Nominal)	10.01 (Maximum)
Before: 21-Feb-2004 3:41		

High resolution Integrated Logging Tool-DTS Master Calibration								
Electronics Calibration Check - Thru Cal Mag. & Phase								
Idx	Phase	Value	Thru Cal Magnitude V	Nominal	Value	Phase DEG	Nominal	
0	Master	0.6159		0.6050	65.97		71.00	
1	Master	1.263		1.270	64.94		70.00	
2	Master	0.6267		0.6230	61.10		66.00	
3	Master	0.7081		0.7040	60.30		65.00	
4	Master	1.329		1.337	53.79		59.00	
5	Master	1.919		1.955	51.96		57.00	
6	Master	1.922		1.955	51.92		57.00	
7	Master	1.377		1.415	48.48		53.00	
		60.00 % (Minimum)	(Nominal)	140.0 % (Maximum)	Norm -60.00 (Minimum)	(Nominal)	Norm + 60.00 (Maximum)	
Master: 11 Jan 2004 18:19								

Company: **APACHE CANADA LTD.**

Schlumberger

Well: **APACHE PARAMOUNT LAC MAUNOIR C-34**

Field: **UNDEFINED**

Province: **NORTHWEST TERRITORIES**

PLATFORM EXPRESS:
ARRAY INDUCTION LOG