

--	--	--

[illegible]

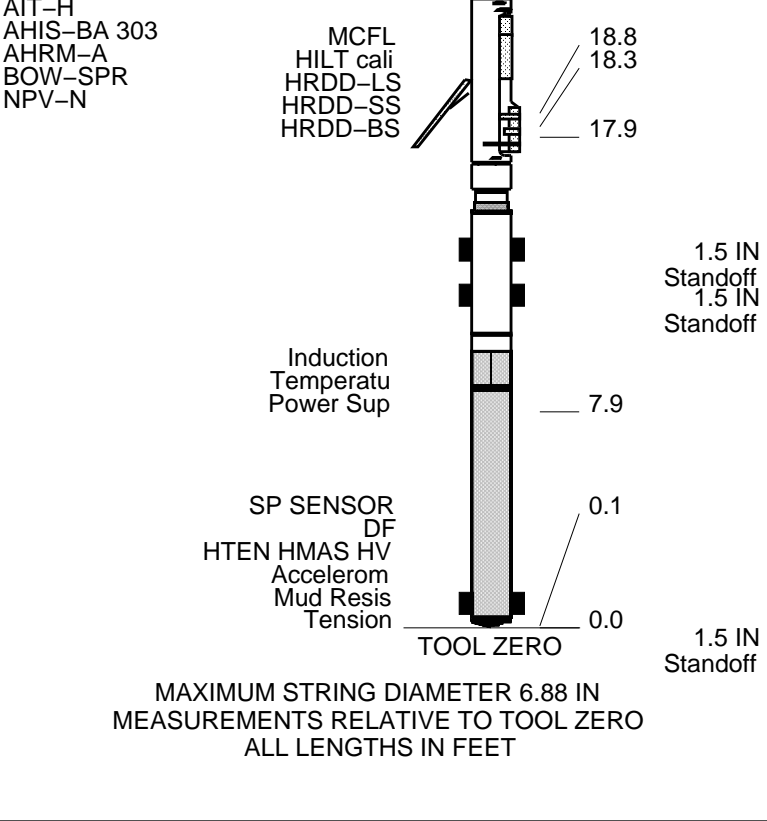
1

--	--

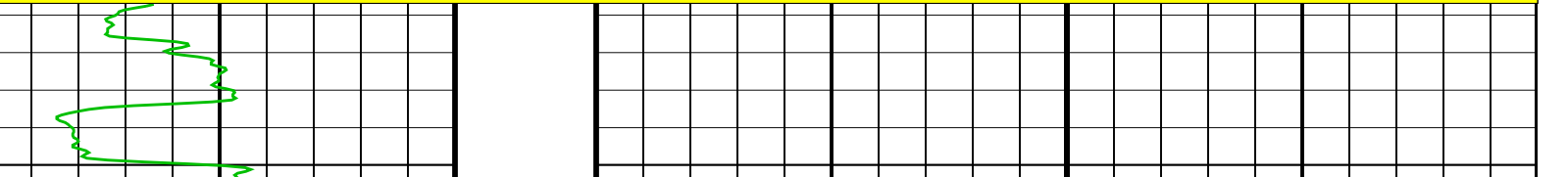
--	--

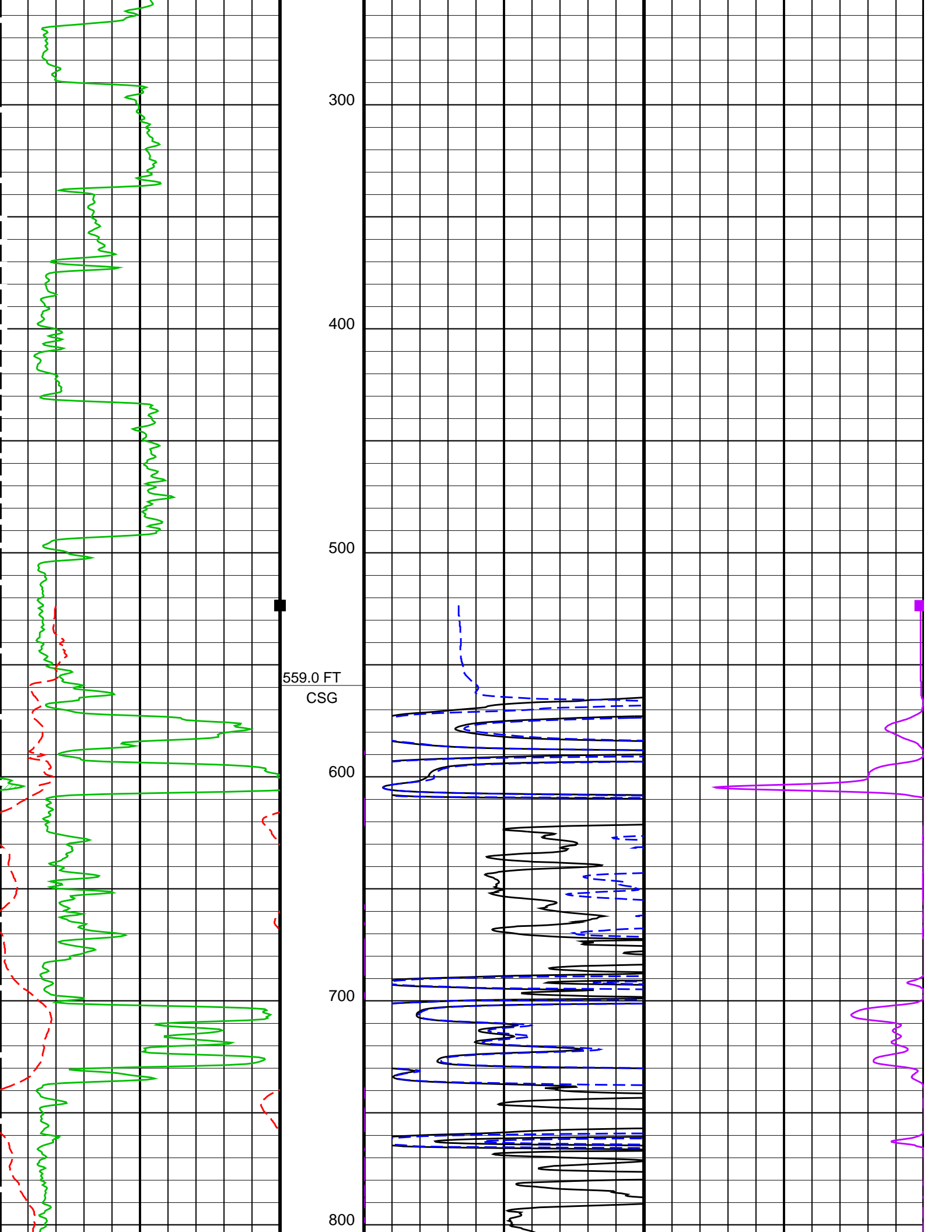
[illegible][illegible]

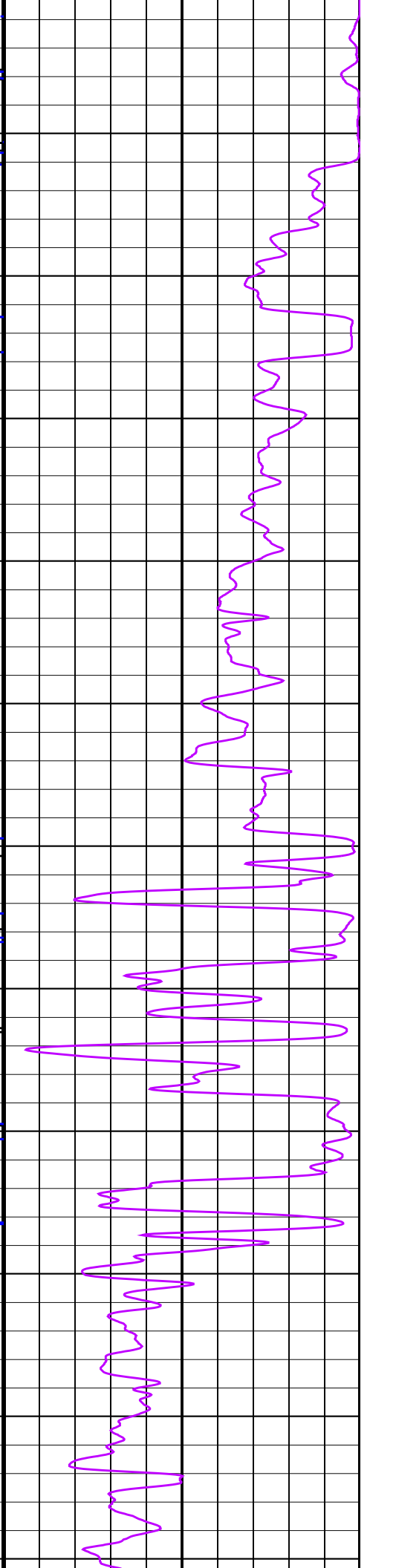
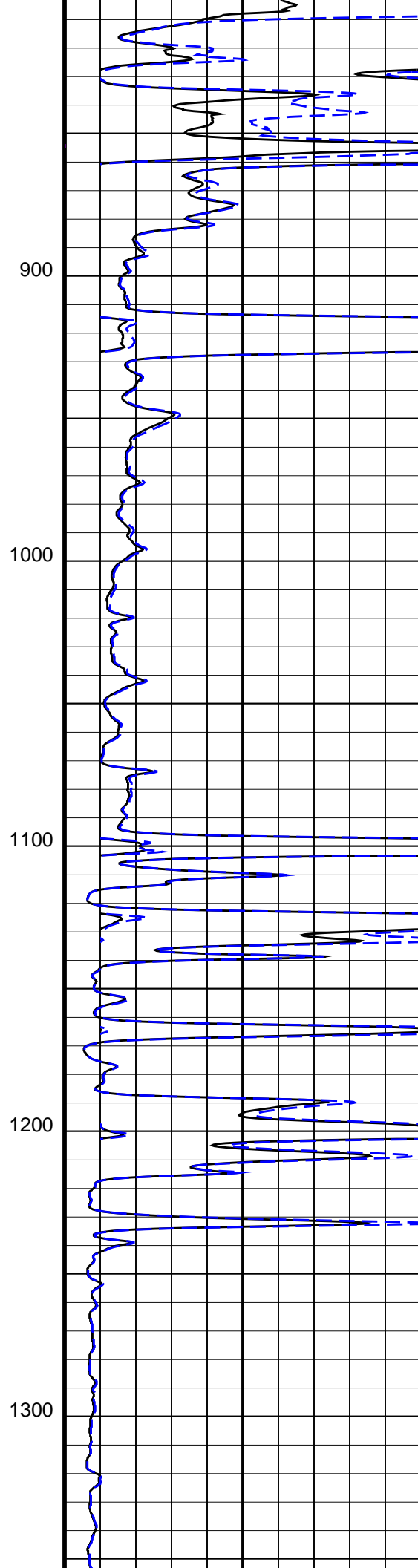
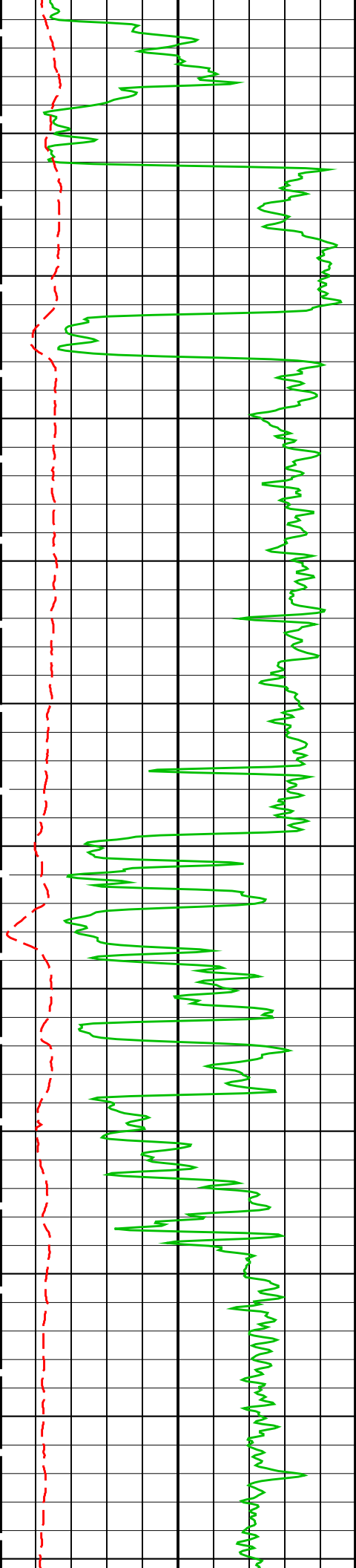
NABORS RIG 113					
YOUR CREW TODAY: JAMES, TRAVAS, MARCUS					
THANK YOU FOR USING SCHLUMBERGER					
RUN 1			RUN 2		
SERVICE ORDER #:			SERVICE ORDER #:		
PROGRAM VERSION:			PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP
EQUIPMENT DESCRIPTION					
RUN 1			RUN 2		
SURFACE EQUIPMENT					
WITM (DTS)-A					
GSR-U/Y					
NCT-B					
CNB-AB					
NCS-VB					
DOWNHOLE EQUIPMENT					
LEH-QT					
LEH-QT 2609					
DTC-H					
ECH-KC 10001					
DTCH0-A 8921					
DTCH1-A					
SGT-N					
SGH-K 2824					
SGC-TB 9969					
SGD-TAB					
ECC-A					
ECH-A 12					
ECC-A 42					
ECS-A					
ECS-A 10					
NSR-F 5203					
ECSD-A					
EC SH-A 10					
HILTB-FTB					
HGNSD-B 4825					
HMCA					
HG NH 3929					
NLS-KL					
NSR-F 1329					
HACCZ 5975					
HCNT					
HGR					
HRCC-B 776					
HRMS-B 832					
HRGD-B 722					
GLS-VJ 1885					
MCFL Device					
HILT Nucl. LS 42767					
HILT Nucl. SS 42767					
HILT Nucl. BS 42767					

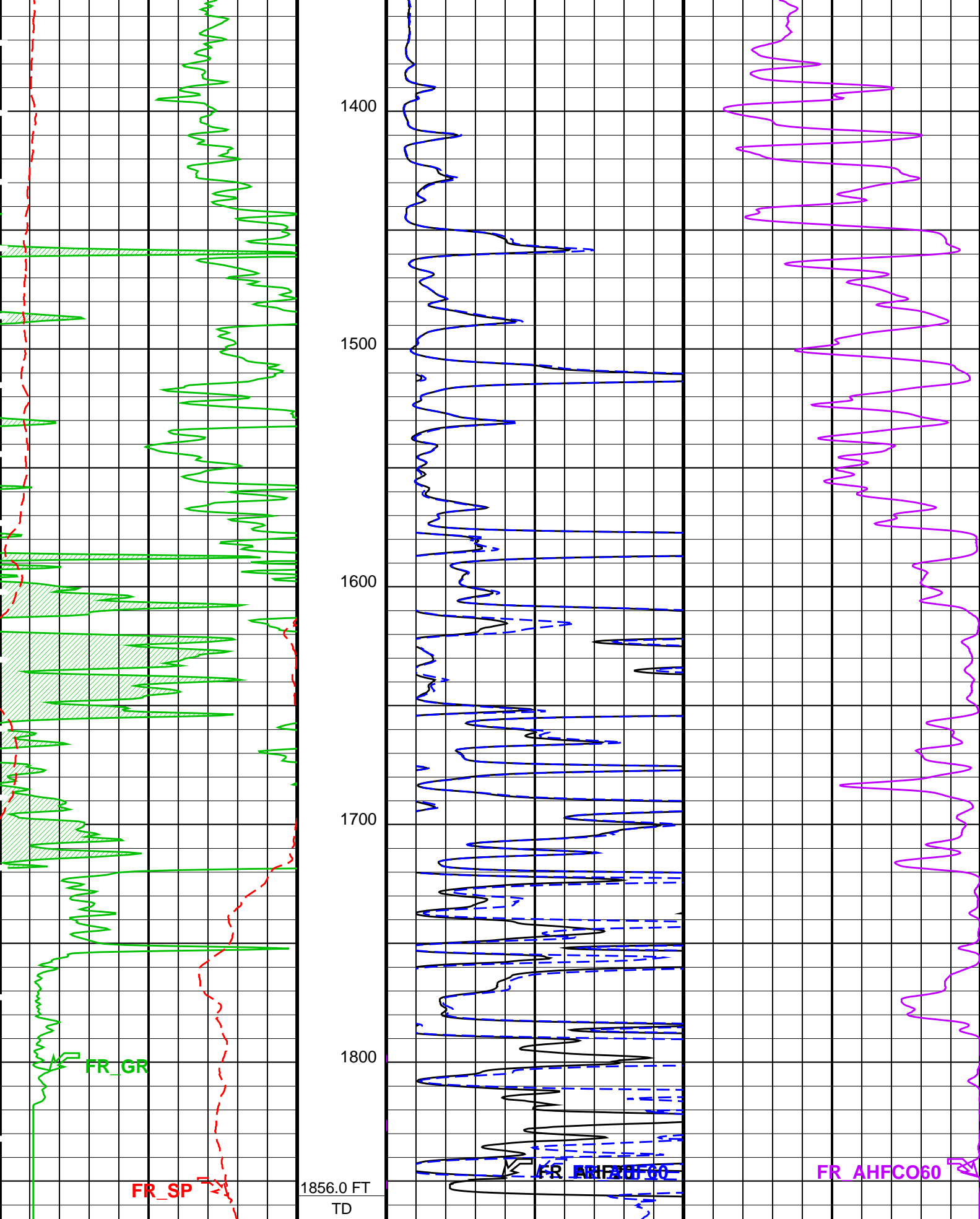


Input DLIS Files					
DEFAULT	AIT_TLD_MCFL_CNL_011LUP	FN:10	PRODUCER	28-Sep-2007 13:58	1866.0 FT 200.0 FT
Output DLIS Files					
DEFAULT	AIT_TLD_MCFL_CNL_013PUP	FN:12	PRODUCER	28-Sep-2007 15:14	1866.0 FT 206.5 FT
OP System Version: 15C0-309					
MCM					
HILTB-FTB	SRPC-3402-Q3_2007	ECS-A	15C0-309		
ECC-A	15C0-309	SGT-N	15C0-309		
DTC-H	15C0-309				
PIP SUMMARY					
Time Mark Every 60 S					
BACKUP GAMMA RAY From T1 to GR_1					
SP (SP) (MV)		AIT-H 60 Inch Investigation (AHF60) (OHMM)			
-160 40		0 100			
Gamma Ray (GR) (GAPI)		AIT-H 20 Inch Investigation (AHF20) (OHMM)			
50 300		0 100			
Gamma Ray (GR) (GAPI)		AIT-H 60 Inch Investigation Conductivity (AHFCO60) (MM/M)			
0 150		400 0			
0 (F) 50					
CORRELATION 2"=100FT					









CORRELATION 2"=100FT

Gamma Ray (GR)

Stuck
Stretch
(CTT)

AIT-H 60 Inch Investigation Conductivity (AHFCO60)

	(GAPI)	150	(STIT)	0	(F)	50	(MM/M)	400	0
Gamma Ray (GR)			Cable Drag From STIA to STIT	AIT-H 20 Inch Investigation (AHF20)					
150	(GAPI)	300		0	(OHMM)	100			
SP (SP)				AIT-H 60 Inch Investigation (AHF60)					
-160	(MV)	40		0	(OHMM)	100			
BACKUP GAMMA RAY From T1 to GR_1									

PIP SUMMARY

Time Mark Every 60 S

AIT-H Answer Product Processing Summary. Data taken with Tool # 303 (AHTNO)

...Acquired data from HILT/HAIT

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

Effective Tool Standoff computed. Borehole diameter and mud res. taken as input (see GCSE and GRSE parameters)

Tool is run in ECCENTERED mode with a tool stand-off of 1.50 IN. Bit Size is 8.75 IN.

***** 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) 0.885 OHMM Mud Filtrate Sample Temperature (MFST) 88.390 DEGF

Resitivity Connate Water (RW) 1.000 OHMM

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

Playback Mode: RECOMPUTE

(AHEBC) : Yes (AHEBL) : Yes (AHERP) : Yes

(AHBHM): 2_ComputeStandoff (AHBLM): 6_One_Two_and_Four (AHRPM): 1_Two

Parameters

DLIS Name	Description	Value	
HILTB-FTB: High resolution Integrated Logging Tool-DTS			
AHBHM	Array Induction Borehole Correction Mode	2_ComputeStandoff	
AHBHV	Array Induction Borehole Correction Code Version Number	900	
AHBLM	Array Induction Basic Logs Mode	6_One_Two_and_Four	
AHBLV	Array Induction Basic Logs Code Version Number	223	
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	41.70.24.20	
AHMRF	Array Induction Mud Resistivity Factor	1	
AHORSV	Array Induction Response Set Version for One ft Resolution	41.70.24.20	
AHRFV	Array Induction Radial Profiling Code Version Number	701	
AHRPV	Array Induction Radial Parametrization Code Version Number	232	
AHSTA	Array Induction Tool Standoff	1.5	IN
AHTRSV	Array Induction Response Set Version for Two ft Resolution	41.70.24.20	
BHT	Bottom Hole Temperature (used in calculations)	89	DEGF
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	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	AITH_RESIST	
GTSE	Generalized Temperature Selection	HSTS_HTEM	
SHT	Surface Hole Temperature	68	DEGF
SPNV	SP Next Value	0	MV
SGT-N: Scintillation Gamma Ray Tool - N			
BHT	Bottom Hole Temperature (used in calculations)	89	DEGF
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	AITH_RESIST	
GTSE	Generalized Temperature Selection	HSTS_HTEM	
SHT	Surface Hole Temperature	68	DEGF
HOLEV: Integrated Hole/Cement Volume			

BHT	Bottom Hole Temperature (used in calculations)	89	DEGF
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	AITH_RESIST	
GTSE	Generalized Temperature Selection	HSTS_HTEM	
SHT	Surface Hole Temperature	68	DEGF
STI: Stuck Tool Indicator			
LBFR	Trigger for MAXIS First Reading Label	TDL	
STKT	STI Stuck Threshold	2.5	FT
TDD	Total Depth – Driller	1859.00	FT
TDL	Total Depth – Logger	1856.00	FT
System and Miscellaneous			
BS	Bit Size	8.750	IN
DFD	Drilling Fluid Density	9.00	LB/G
DO	Depth Offset for Playback	0.0	FT
DORL	Depth Offset for Repeat Analysis	0.0	FT
FLEV	Fluid Level	-50000.00	FT
MST	Mud Sample Temperature	88.39	DEGF
PP	Playback Processing	RECOMPUTE	
TD	Total Depth	1856	FT

Format: AIT_2 Vertical Scale: 2" per 100' Graphics File Created: 28-Sep-2007 15:15

OP System Version: 15C0-309			
MCM			
HILTB-FTB	SRPC-3402-Q3_2007	ECS-A	15C0-309
ECC-A	15C0-309	SGT-N	15C0-309
DTC-H	15C0-309		

Input DLIS Files						
DEFAULT	AIT_TLD_MCFL_CNL_011LUP	FN:10	PRODUCER	28-Sep-2007 13:58	1866.0 FT	200.0 FT
Output DLIS Files						
DEFAULT	AIT_TLD_MCFL_CNL_013PUP	FN:12	PRODUCER	28-Sep-2007 15:14		

Company: STORM CAT ENERGY (USA) OPERATING CORP Well: FILES 1-12H

Input DLIS Files						
DEFAULT	AIT_TLD_MCFL_CNL_013PUP	FN:12	PRODUCER	28-Sep-2007 15:14	1866.0 FT	206.5 FT
DEFAULT	AIT_TLD_MCFL_CNL_010PUP	FN:9	PRODUCER	28-Sep-2007 13:54	1866.0 FT	1447.0 FT

Integrated Hole/Cement Volume Summary	
Hole Volume = 554.93 ft3	
Cement Volume = 340.86 ft3 (assuming 5.50 in casing O.D.)	
Computed from 1856.0 ft to 559.0 ft	

OP System Version: 15C0-309			
MCM			
HILTD	SRPC-3402-Q3_2007	ECS	15C0-309
ECC-A	15C0-309	SGTN	15C0-309
DTCH	15C0-309		

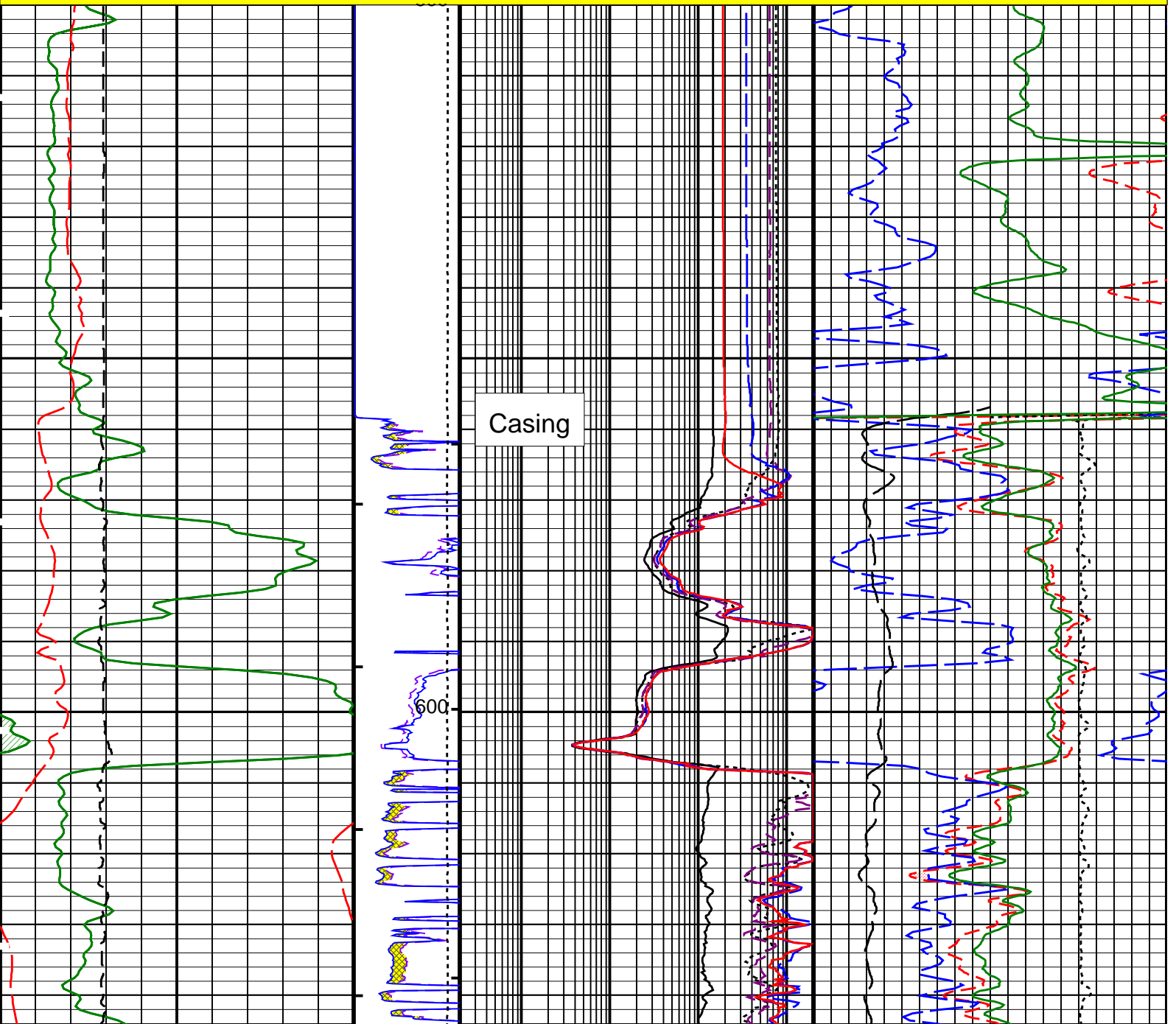
PIP SUMMARY	
┌ Integrated Hole Volume Minor Pip Every 10 F3	
└ Integrated Hole Volume Major Pip Every 100 F3	
└┐ Integrated Cement Volume Minor Pip Every 10 F3	
└┐ Integrated Cement Volume Major Pip Every 100 F3	
Time Mark Every 60 S	

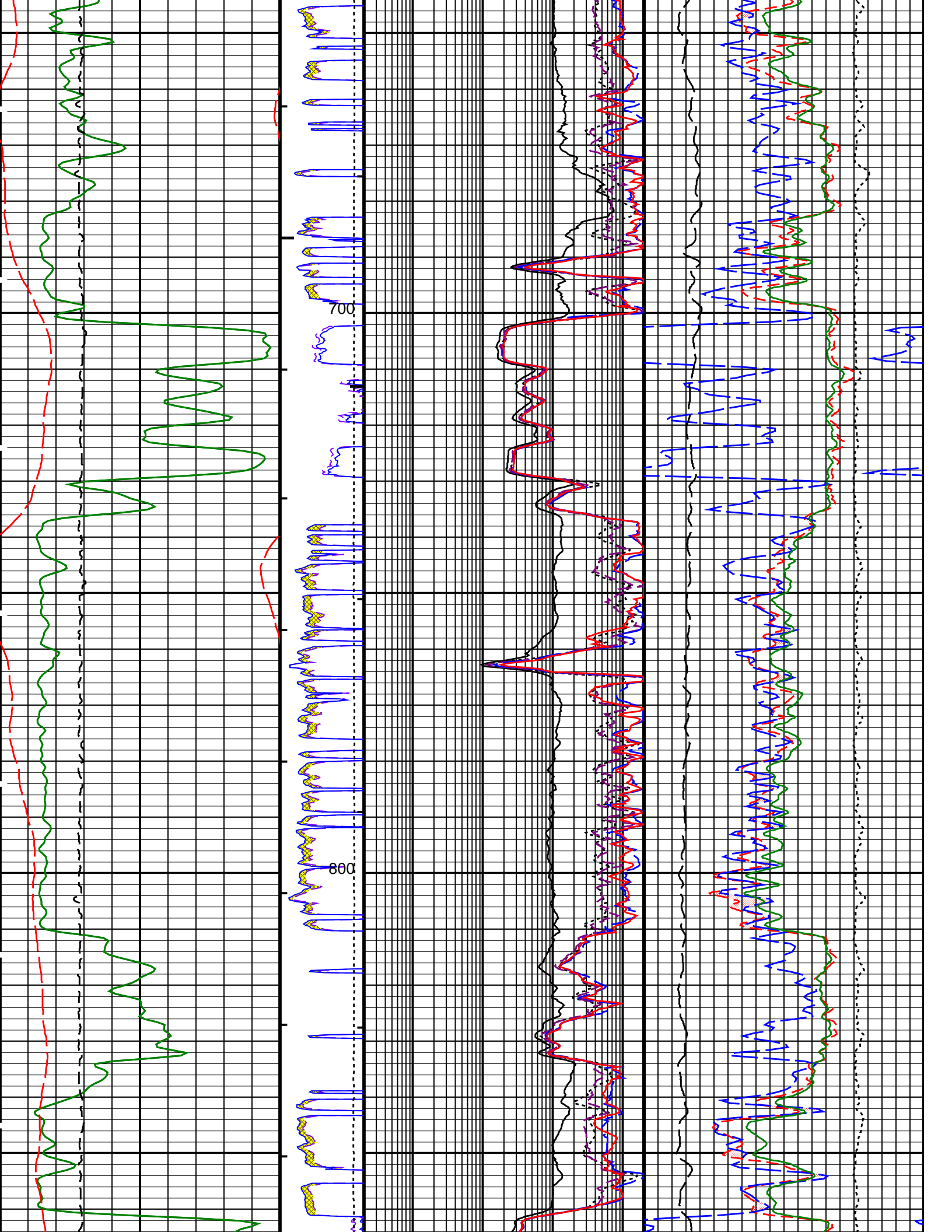
		CROSSOVER From DPHZ to NPOR	
GAMMA RAY BACKUP From LHT1 to GR_1		AIT-H 90 Inch Investigation (AHT90) 0.2 (OHMM) 2000	Std. Res. Formation Density (RHOZ) 2 (G/C3) 3

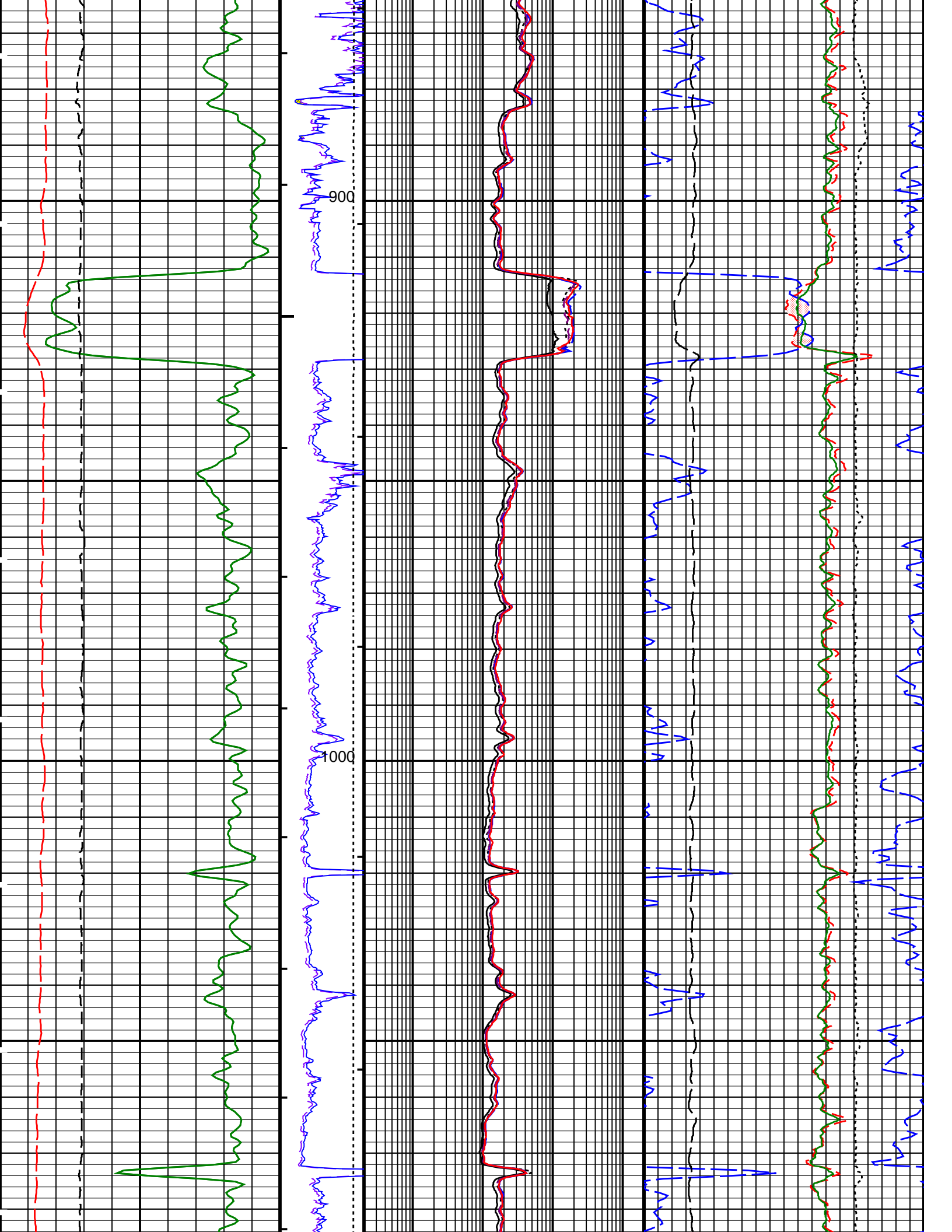
Computed			
----------	--	--	--

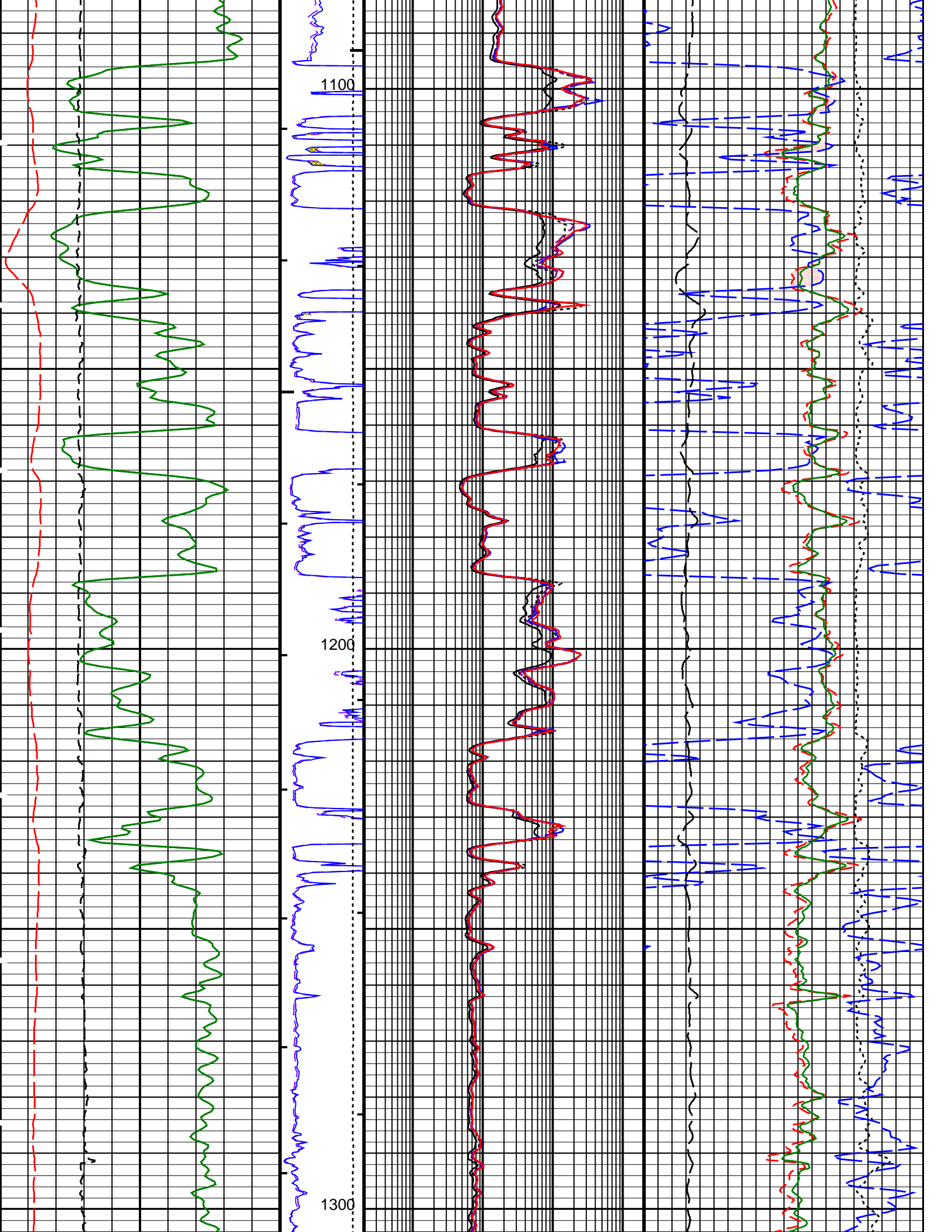
<div>SP (SP)</div> <div>(MV)</div> <div>-160</div> <div>40</div>	<div>Micro Inverse (HMIN) (OHMM)</div> <div>0</div> <div>40</div>	<div>AIT-H 60 Inch Investigation (AHT60)</div> <div>(OHMM)</div> <div>0.2</div> <div>2000</div>	<div>Std. Res. Formation Pe (PEFZ)</div> <div>(-----)</div> <div>0</div> <div>10</div>	<div>Density Correction (HDRA)</div> <div>(G/C3)</div> <div>-0.25</div> <div>0.25</div>
<div>HILT Caliper (HCAL)</div> <div>(IN)</div> <div>6</div> <div>16</div>	<div>Computed Micro Normal (HMNO) (OHMM)</div> <div>0</div> <div>40</div>	<div>AIT-H 30 Inch Investigation (AHT30)</div> <div>(OHMM)</div> <div>0.2</div> <div>2000</div>	<div>Alpha Processed Neutron Porosity (NPOR)</div> <div>(V/V)</div> <div>0.7</div> <div>0.3</div>	
<div>Gamma Ray (GR)</div> <div>(GAPI)</div> <div>150</div> <div>300</div>	<div>MICROLOG From HMIN to HMNO</div>	<div>AIT-H 20 Inch Investigation (AHT20)</div> <div>(OHMM)</div> <div>0.2</div> <div>2000</div>	<div>Alpha Processed Neutron Porosity (NPOR)</div> <div>(V/V)</div> <div>0.3</div> <div>-0.1</div>	
<div>Gamma Ray (GR)</div> <div>(GAPI)</div> <div>0</div> <div>150</div>	<div>Tension (TENS) (LBF)</div> <div>10000</div> <div>0</div>	<div>AIT-H 10 Inch Investigation (AHT10)</div> <div>(OHMM)</div> <div>0.2</div> <div>2000</div>	<div>Std. Res. Density Porosity (DPHZ)</div> <div>(V/V)</div> <div>0.3</div> <div>-0.1</div>	

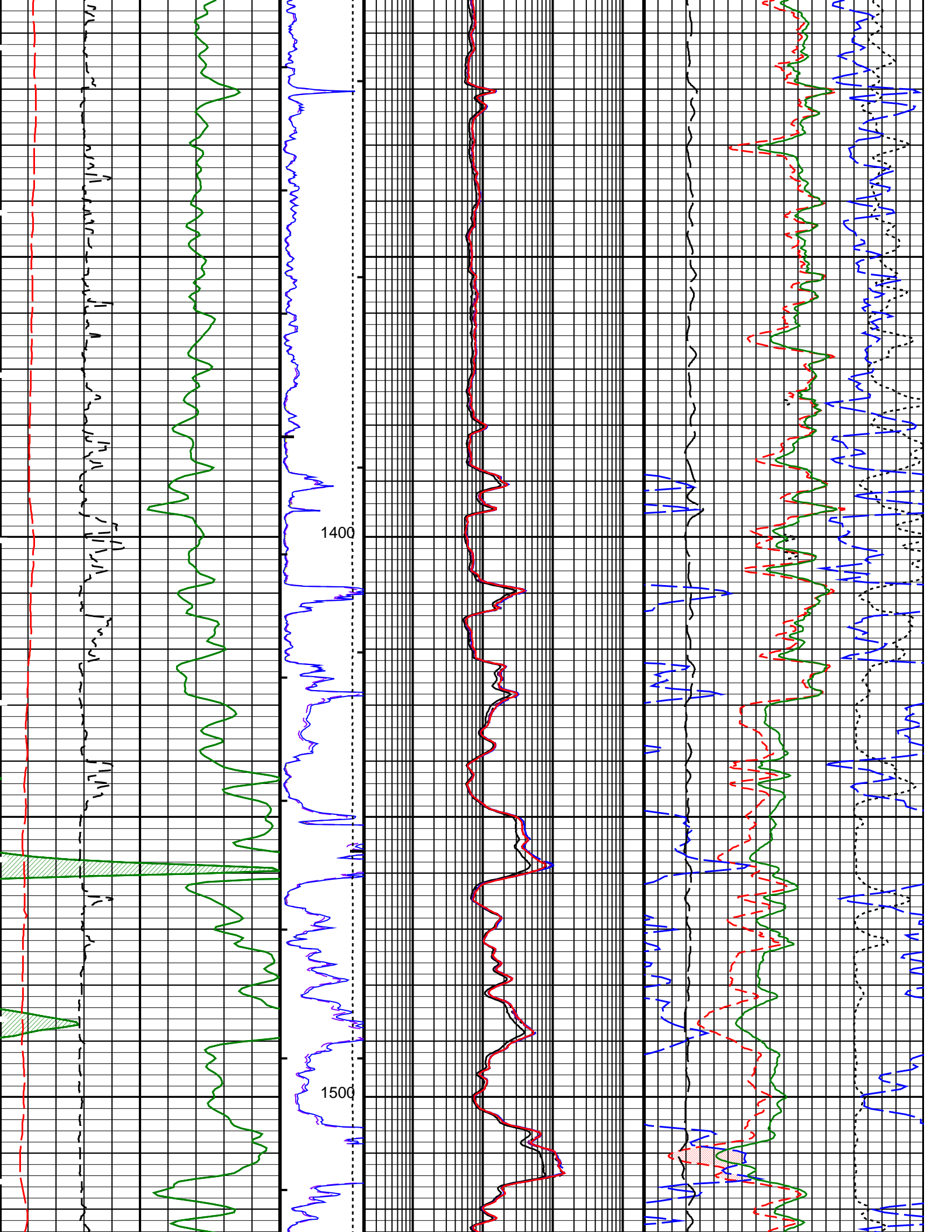
PLATFORM EXPRESS – TRIPLE COMBO MAIN PASS / 5 IN = 100 FT

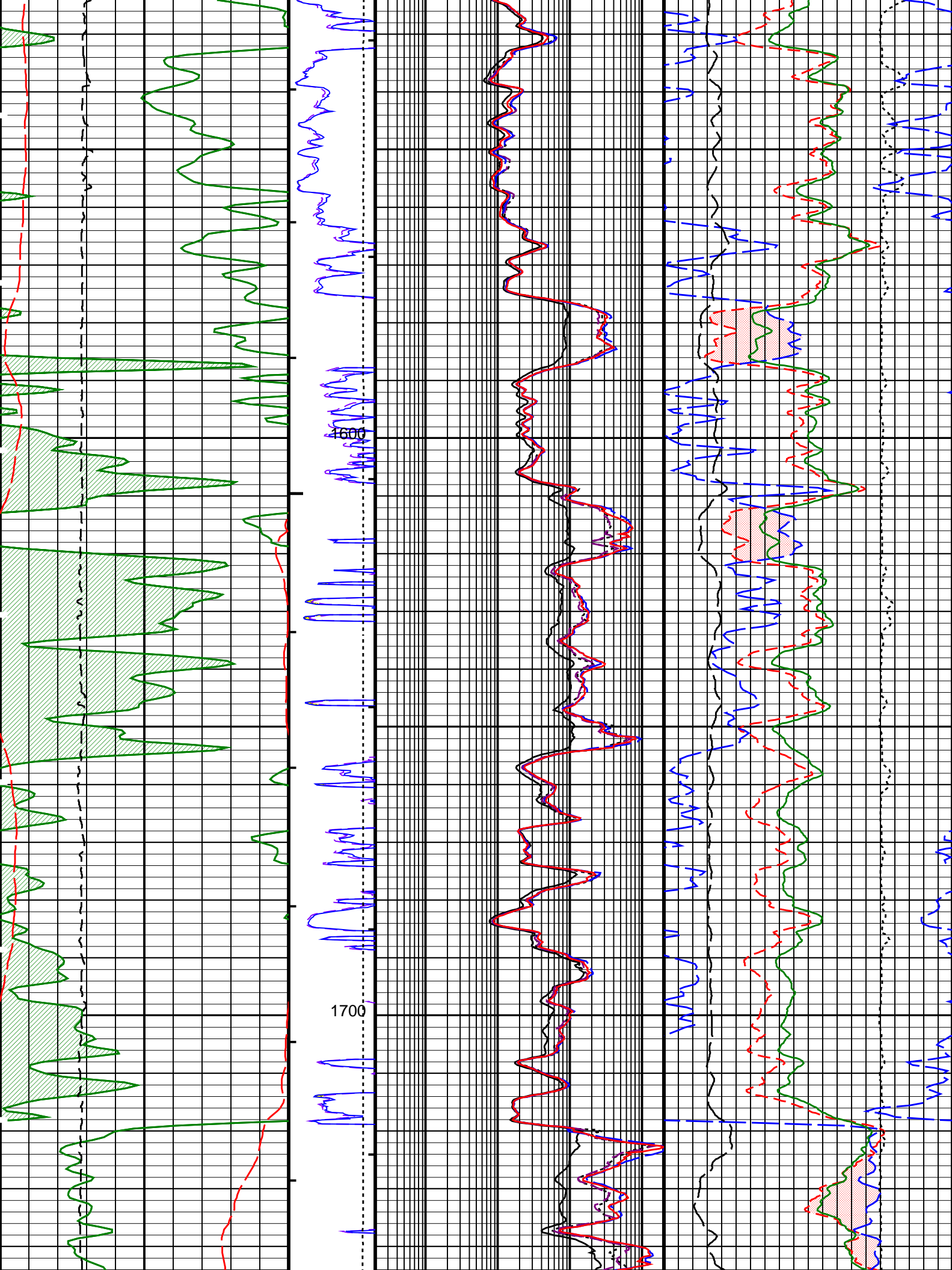


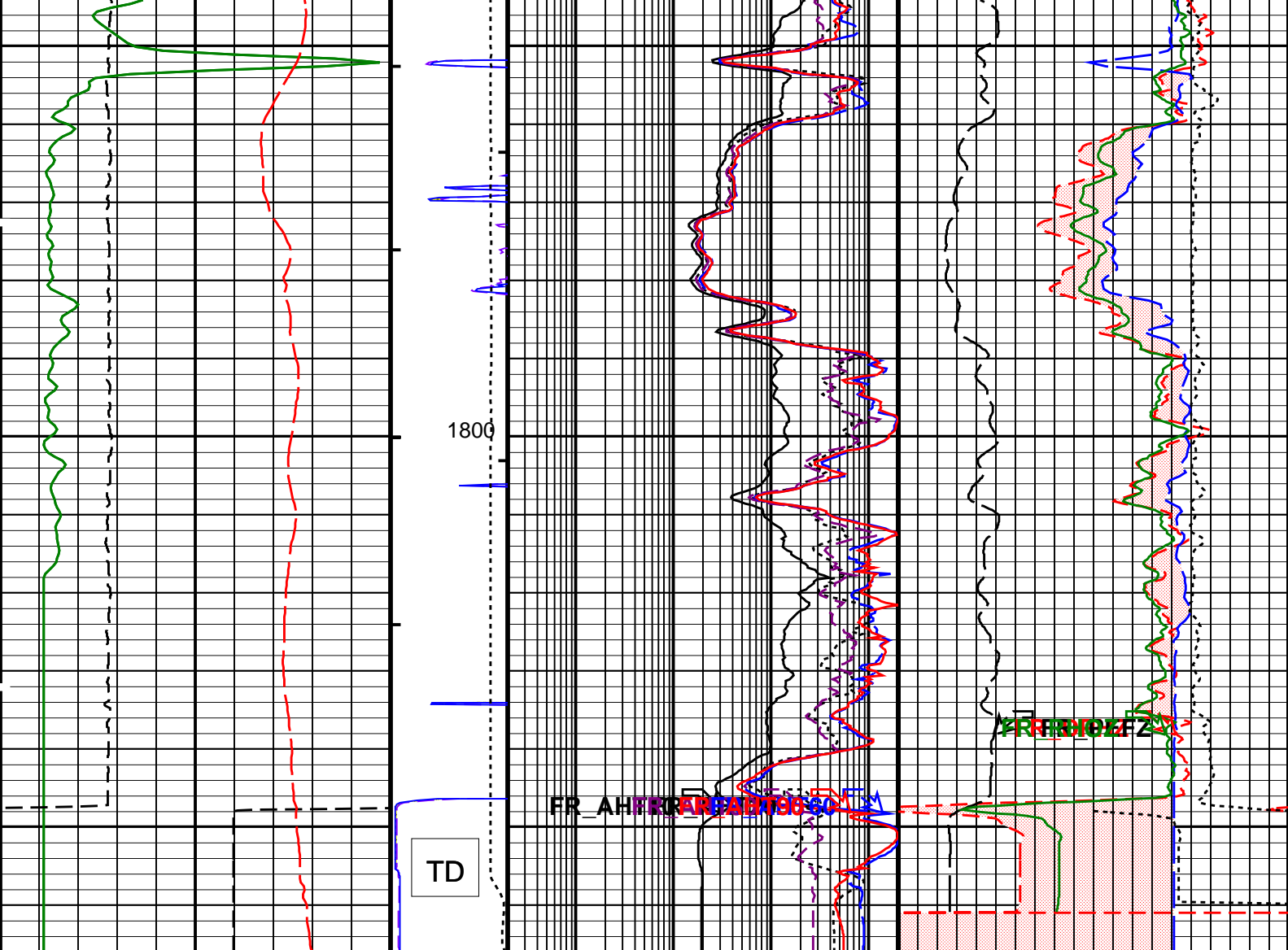












PLATFORM EXPRESS – TRIPLE COMBO MAIN PASS / 5 IN = 100 FT

Gamma Ray (GR) (GAPI)	Tension (TENS) (LBF)	AIT-H 10 Inch Investigation (AHT10) (OHMM)	Std. Res. Density Porosity (DPHZ) (V/V)
0 150	10000 0	0.2 2000	0.3 -0.1
Gamma Ray (GR) (GAPI)	MICROLOG From HMIN to HMNO	AIT-H 20 Inch Investigation (AHT20) (OHMM)	Alpha Processed Neutron Porosity (NPOR) (V/V)
150 300		0.2 2000	0.3 -0.1
HILT Caliper (HCAL) (IN)	Computed Micro Normal (HMNO) (OHMM)	AIT-H 30 Inch Investigation (AHT30) (OHMM)	Alpha Processed Neutron Porosity (NPOR) (V/V)
6 16	0 40	0.2 2000	0.7 0.3
SP (SP) (MV)	Computed Micro Inverse (HMIN) (OHMM)	AIT-H 60 Inch Investigation (AHT60) (OHMM)	Std. Res. Formation Pe (PEFZ)
-160 40	0 40	0.2 2000	0 10
GAMMA RAY BACKUP From LHT1 to GR_1		AIT-H 90 Inch Investigation (AHT90) (OHMM)	Density Correction (HDRA) (G/C3)
		0.2 2000	-0.25 0.25
			Std. Res. Formation Density (RHOZ) (G/C3)
			2 3

CROSSOVER
From DPHZ to NPOR

PIP SUMMARY

- └ Integrated Hole Volume Minor Pip Every 10 F3
- └ Integrated Hole Volume Major Pip Every 100 F3
 - └ Integrated Cement Volume Minor Pip Every 10 F3
 - └ Integrated Cement Volume Major Pip Every 100 F3

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
HILTB-FTB: High resolution Integrated Logging Tool-DTS		
AHBHM	Array Induction Borehole Correction Mode	2_COMPUTESTANDOFF
AHBHV	Array Induction Borehole Correction Code Version Number	900
AHBLM	Array Induction Basic Logs Mode	6_ONE_TWO_AND_FOUR
AHBLV	Array Induction Basic Logs Code Version Number	223
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	41.70.24.20
AHMRV	Array Induction Mud Resistivity Factor	1.000
AHORSV	Array Induction Response Set Version for One ft Resolution	41.70.24.20
AHRFV	Array Induction Radial Profiling Code Version Number	701
AHRPV	Array Induction Radial Parametrization Code Version Number	232
AHSAP	Array Induction Suspend Answer Product Processing	0_NOSUSPENSION
AHSTA	Array Induction Tool Standoff	1.500 in
AHTRSV	Array Induction Response Set Version for Two ft Resolution	41.70.24.20
BHFL	Borehole Fluid Type	WATER
BHFL_TLD	HILT Nuclear Mud Base	WATER
BHS	Borehole Status	OPEN
BHT	Bottom Hole Temperature (used in calculations)	89.000 degF
BSCO	Borehole Salinity Correction Option	NO
CCCO	Casing & Cement Thickness Correction Option	NO
DHC	Density Hole Correction	BS
FD	Fluid Density	1.000 g/cm3
FEXP	Form Factor Exponent	2.000
FNUM	Form Factor Numerator	1.000
FSCO	Formation Salinity Correction Option	NO
GCLF	Germany Coal-like Formation Option	NO
GCSE	Generalized Caliper Selection	HCAL
GDEV	Average Angular Deviation of Borehole from Normal	0.000 deg
GGRD	Geothermal Gradient	0.010 degF/ft
GRSE	Generalized Mud Resistivity Selection	AHMF
GTSE	Generalized Temperature Selection	HSTS_HTEM
HSCO	Hole Size Correction Option	YES
MATR	Rock Matrix for Neutron Porosity Corrections	LIME
MCCO	Mud Cake Correction Option	NO
MCOR	Mud Correction	NATU
MDEN	Matrix Density	2.710 g/cm3
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	STDRES
NSAR	HRDD Depth Sampling Rate	1.000 in
PTCO	Pressure/Temperature Correction Option	NO
SDAT	Standoff Data Source	SOCN
SHT	Surface Hole Temperature	68.000 degF
SOCN	Standoff Distance	0.125 in
SOCO	Standoff Correction Option	NO
SPDR	SP Drift	0.000 mV/ft
SPNV	SP Next Value	0.000 mV
SGT-N: Scintillation Gamma Ray Tool - N		
BHS	Borehole Status	OPEN
BHT	Bottom Hole Temperature (used in calculations)	89.000 degF
GCSE	Generalized Caliper Selection	HCAL
GDEV	Average Angular Deviation of Borehole from Normal	0.000 deg
GGRD	Geothermal Gradient	0.010 degF/ft
GRSE	Generalized Mud Resistivity Selection	AHMF
GTSE	Generalized Temperature Selection	HSTS_HTEM
MATR	Rock Matrix for Neutron Porosity Corrections	LIME
SHT	Surface Hole Temperature	68.000 degF
HOLEV: Integrated Hole/Cement Volume		
BHS	Borehole Status	OPEN
BHT	Bottom Hole Temperature (used in calculations)	89.000 degF
GCSE	Generalized Caliper Selection	HCAL
GDEV	Average Angular Deviation of Borehole from Normal	0.000 deg
GGRD	Geothermal Gradient	0.010 degF/ft
GRSE	Generalized Mud Resistivity Selection	AHMF
GTSE	Generalized Temperature Selection	HSTS_HTEM
MATR	Rock Matrix for Neutron Porosity Corrections	LIME
SHT	Surface Hole Temperature	68.000 degF

STI: Stuck Tool Indicator			
TDL	Total Depth – Logger	1856.0	ft
System and Miscellaneous			
BS	Bit Size	8.750	in
BSAL	Borehole Salinity		
CSIZ	Current Casing Size	9.625	in
CWEI	Casing Weight	36.000	lbm/ft
DFD	Drilling Fluid Density	9.000	lbm/gal
FLEV	Fluid Level		
FSAL	Formation Salinity		
MST	Mud Sample Temperature	88.390	degF
RMFS	Resistivity of Mud Filtrate Sample	0.885	ohm.m
TD	Total Depth	1856.0	ft

Format: MUD_TCOM_MAIN	Vertical Scale: 5" per 100'	Graphics File Created: 28-Sep-2007 15:32
-----------------------	-----------------------------	--

<div>OP System Version: 15C0-309</div> <div>MCM</div>			
HILTD	SRPC-3402-Q3_2007	ECS	15C0-309
ECC-A	15C0-309	SGTN	15C0-309
DTCH	15C0-309		

Input DLIS Files						
DEFAULT	AIT_TLD_MCFL_CNL_013PUP	FN:12	PRODUCER	28-Sep-2007 15:14	1866.0 FT	206.5 FT
DEFAULT	AIT_TLD_MCFL_CNL_010PUP	FN:9	PRODUCER	28-Sep-2007 13:54	1866.0 FT	1447.0 FT

Company: STORM CAT ENERGY (USA) OPERATING CORP	Well: FILES 1-12H
--	-------------------

Input DLIS Files						
DEFAULT	AIT_TLD_MCFL_CNL_010PUP	FN:9	PRODUCER	28-Sep-2007 13:54	1866.0 FT	1447.0 FT

<div>Integrated Hole/Cement Volume Summary</div> <div>Hole Volume = 170.22 ft3</div> <div>Cement Volume = 102.74 ft3 (assuming 5.50 in casing O.D.)</div> <div>Computed from 1856.0 ft to 1447.5 ft</div>						
---	--	--	--	--	--	--

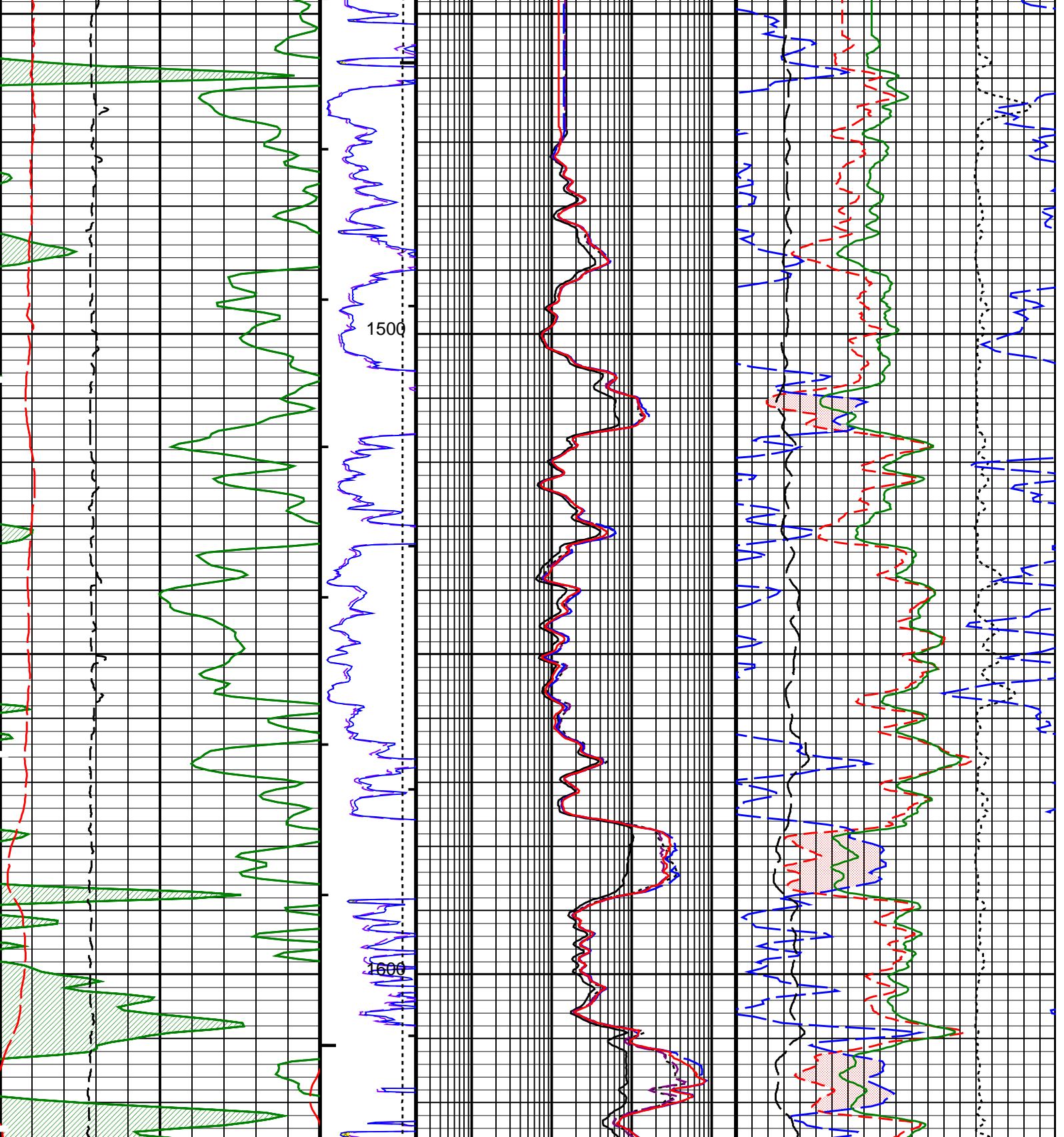
<div>OP System Version: 15C0-309</div> <div>MCM</div>			
HILTD	SRPC-3402-Q3_2007	ECS	15C0-309
ECC-A	15C0-309	SGTN	15C0-309
DTCH	15C0-309		

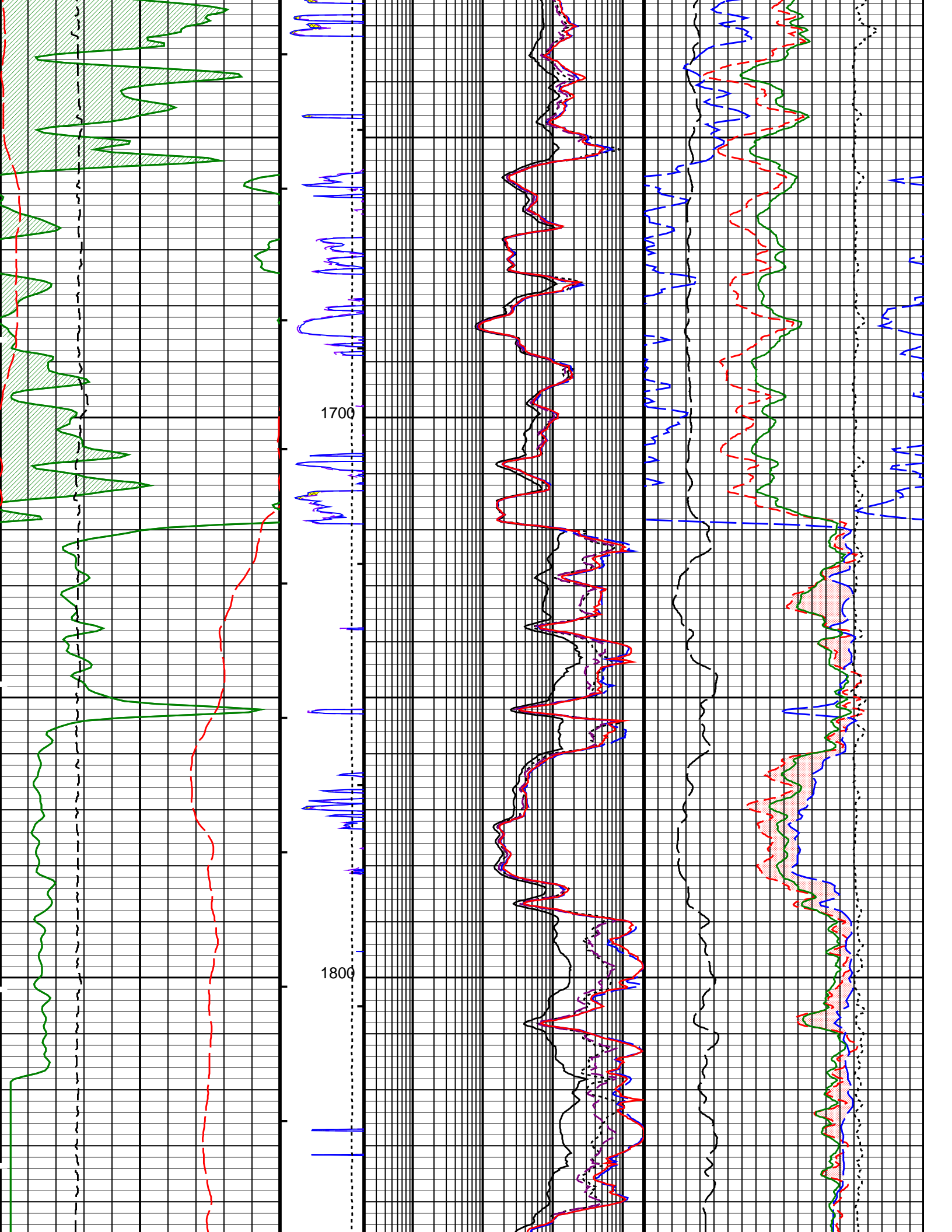
PIP SUMMARY	
<div>└ Integrated Hole Volume Minor Pip Every 10 F3</div> <div>└ Integrated Hole Volume Major Pip Every 100 F3</div> <div>└ Integrated Cement Volume Minor Pip Every 10 F3</div> <div>└ Integrated Cement Volume Major Pip Every 100 F3</div>	
<div>Time Mark Every 60 S</div>	

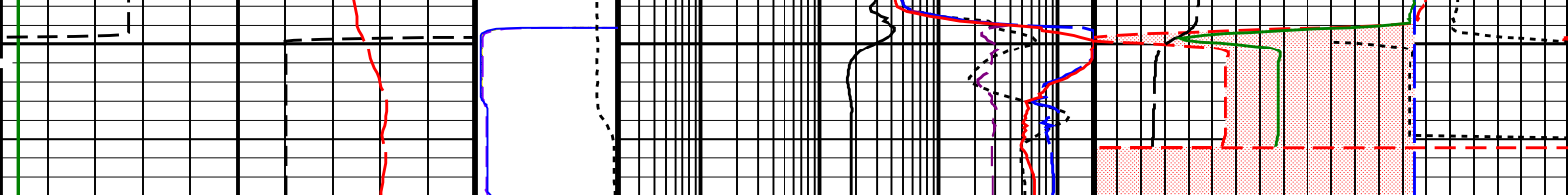
			CROSSOVER From DPHZ to NPOR	
<div>GAMMA RAY BACKUP</div> <div>From LHT1 to GR_1</div>	<div>AIT-H 90 Inch Investigation (AHT90)</div> <div>0.2 (OHMM) 2000</div>		<div>Std. Res. Formation Density (RHOZ)</div> <div>(G/C3)</div>	
			3	
<div>SP (SP)</div> <div>-160 (MV) 40</div>	<div>Computed Micro Inverse (HMIN) (OHMM)</div> <div>0 40</div>	<div>AIT-H 60 Inch Investigation (AHT60)</div> <div>0.2 (OHMM) 2000</div>		<div>Std. Res. Formation Pe (PEFZ)</div> <div>(----) 10</div>
				<div>Density Correction (HDRA)</div> <div>-0.25 (G/C3) 0.25</div>
<div>HILT Caliper (HCAL)</div> <div>6 (IN) 16</div>	<div>Computed Micro Normal (HMNO) (OHMM)</div> <div>0 40</div>	<div>AIT-H 30 Inch Investigation (AHT30)</div> <div>0.2 (OHMM) 2000</div>		<div>Alpha Processed Neutron Porosity (NPOR)</div> <div>(V/V)</div>
				<div>0.7 0.3</div>

Gamma Ray (GR) (GAPI) 150 300	MICROLOG G From HMIN to HMNO	AIT-H 20 Inch Investigation (AHT20) (OHMM) 0.2 2000	Alpha Processed Neutron Porosity (NPOR) (V/V) 0.3 -0.1
Gamma Ray (GR) (GAPI) 0 150	Tension (TENS) (LBF) 10000 0	AIT-H 10 Inch Investigation (AHT10) (OHMM) 0.2 2000	Std. Res. Density Porosity (DPHZ) (V/V) 0.3 -0.1

PLATFORM EXPRESS – TRIPLE COMBO REPEAT SECTION / 5 IN = 100 FT







PLATFORM EXPRESS – TRIPLE COMBO REPEAT SECTION / 5 IN = 100 FT

Gamma Ray (GR) (GAPI)	Tension (TENS) (LBF)	AIT-H 10 Inch Investigation (AHT10) (OHMM)	Std. Res. Density Porosity (DPHZ) (V/V)
0 150	10000 0	0.2 2000	0.3 -0.1
Gamma Ray (GR) (GAPI)	MICROLO G From HMIN to HMNO	AIT-H 20 Inch Investigation (AHT20) (OHMM)	Alpha Processed Neutron Porosity (NPOR) (V/V)
150 300		0.2 2000	0.3 -0.1
HILT Caliper (HCAL) (IN)	Computed Micro Normal (HMNO) (OHMM)	AIT-H 30 Inch Investigation (AHT30) (OHMM)	Alpha Processed Neutron Porosity (NPOR) (V/V)
6 16	0 40	0.2 2000	0.7 0.3
SP (SP) (MV)	Computed Micro Inverse (HMIN) (OHMM)	AIT-H 60 Inch Investigation (AHT60) (OHMM)	Std. Res. Formation Pe (PEFZ) (-----)
-160 40	0 40	0.2 2000	0 10
GAMMA RAY BACKUP From LHT1 to GR_1		AIT-H 90 Inch Investigation (AHT90) (OHMM)	Std. Res. Formation Density (RHOZ) (G/C3)
		0.2 2000	2 3
CROSSOVER From DPHZ to NPOR			

PIP SUMMARY

- Integrated Hole Volume Minor Pip Every 10 F3
- Integrated Hole Volume Major Pip Every 100 F3
 - Integrated Cement Volume Minor Pip Every 10 F3
 - Integrated Cement Volume Major Pip Every 100 F3

Time Mark Every 60 S

Parameters		
DLIS Name	Description	Value
HILTB-FTB: High resolution Integrated Logging Tool-DTS		
AHBHM	Array Induction Borehole Correction Mode	2_COMPUTESTANDOFF
AHBHV	Array Induction Borehole Correction Code Version Number	900
AHBLM	Array Induction Basic Logs Mode	6_ONE_TWO_AND_FOUR
AHBLV	Array Induction Basic Logs Code Version Number	223
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	41.70.24.20
AHMRF	Array Induction Mud Resistivity Factor	1.000
AHORSV	Array Induction Response Set Version for One ft Resolution	41.70.24.20
AHRFV	Array Induction Radial Profiling Code Version Number	701
AHRPV	Array Induction Radial Parametrization Code Version Number	232
AHSAP	Array Induction Suspend Answer Product Processing	0_NOSUSPENSION
AHSTA	Array Induction Tool Standoff	1.500 in
AHTRSV	Array Induction Response Set Version for Two ft Resolution	41.70.24.20
BHFL	Borehole Fluid Type	WATER
BHFL_TLD	HILT Nuclear Mud Base	WATER
BHS	Borehole Status	OPEN
BHT	Bottom Hole Temperature (used in calculations)	212.0 degF
BSCO	Borehole Salinity Correction Option	NO
CCCO	Casing & Cement Thickness Correction Option	NO
DHC	Density Hole Correction	BS
FD	Fluid Density	1.000 g/cm3
FEXP	Form Factor Exponent	2.000
FNUM	Form Factor Numerator	1.000

FNOM	Formation Factor Numerator	1.000	
FSCO	Formation Salinity Correction Option	NO	
GCLF	Germany Coal-like Formation Option	NO	
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0.000	deg
GGRD	Geothermal Gradient	0.010	degF/ft
GRSE	Generalized Mud Resistivity Selection	AHMF	
GTSE	Generalized Temperature Selection	HSTS_HTEM	
HSCO	Hole Size Correction Option	YES	
MATR	Rock Matrix for Neutron Porosity Corrections	LIME	
MCCO	Mud Cake Correction Option	NO	
MCOR	Mud Correction	NATU	
MDEN	Matrix Density	2.710	g/cm3
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	STDRES	
NSAR	HRDD Depth Sampling Rate	1.000	in
PTCO	Pressure/Temperature Correction Option	NO	
SDAT	Standoff Data Source	SOCN	
SHT	Surface Hole Temperature	68.000	degF
SOCN	Standoff Distance	0.125	in
SOCO	Standoff Correction Option	NO	
SPDR	SP Drift	0.000	mV/ft
SPNV	SP Next Value	0.000	mV
SGT-N: Scintillation Gamma Ray Tool - N			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	212.0	degF
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0.000	deg
GGRD	Geothermal Gradient	0.010	degF/ft
GRSE	Generalized Mud Resistivity Selection	AHMF	
GTSE	Generalized Temperature Selection	HSTS_HTEM	
MATR	Rock Matrix for Neutron Porosity Corrections	LIME	
SHT	Surface Hole Temperature	68.000	degF
HOLEV: Integrated Hole/Cement Volume			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	212.0	degF
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0.000	deg
GGRD	Geothermal Gradient	0.010	degF/ft
GRSE	Generalized Mud Resistivity Selection	AHMF	
GTSE	Generalized Temperature Selection	HSTS_HTEM	
MATR	Rock Matrix for Neutron Porosity Corrections	LIME	
SHT	Surface Hole Temperature	68.000	degF
STI: Stuck Tool Indicator			
TDL	Total Depth - Logger	1856.0	ft
System and Miscellaneous			
BS	Bit Size	8.750	in
BSAL	Borehole Salinity		
CSIZ	Current Casing Size	9.625	in
CWEI	Casing Weight	36.000	lbm/ft
DFD	Drilling Fluid Density	9.000	lbm/gal
FLEV	Fluid Level		
FSAL	Formation Salinity		
MST	Mud Sample Temperature		
RMFS	Resistivity of Mud Filtrate Sample		
TD	Total Depth	1856.0	ft

Format: MUD_TCOM_REPEAT_SECTION Vertical Scale: 5" per 100' Graphics File Created: 28-Sep-2007 15:34

OP System Version: 15C0-309

MCM

HILTD	SRPC-3402-Q3_2007	ECS	15C0-309
ECC-A	15C0-309	SGTN	15C0-309
DTCH	15C0-309		

Input DLIS Files

DEFAULT	AIT_TLD_MCFL_CNL_010PUP	FN:9	PRODUCER	28-Sep-2007 13:54	1866.0 FT	1447.0 FT
---------	-------------------------	------	----------	-------------------	-----------	-----------

Company: STORM CAT ENERGY (USA) OPERATING CORP Well: FILES 1-12H

Input DLIS Files

DEFAULT	AIT_TLD_MCFL_CNL_013PUP	FN:12	PRODUCER	28-Sep-2007 15:14	1866.0 FT	206.5 FT
DEFAULT	AIT_TLD_MCFL_CNL_010PUP	FN:9	PRODUCER	28-Sep-2007 13:54	1866.0 FT	1447.0 FT

Integrated Hole/Cement Volume Summary

Hole Volume = 554.93 ft3

Cement Volume = 340.86 ft3 (assuming 5.50 in casing O.D.)

Computed from 1856.0 ft to 559.0 ft

OP System Version: 15C0-309

MCM

HILTD
ECC-A
DTCH

SRPC-3402-Q3_2007
15C0-309
15C0-309

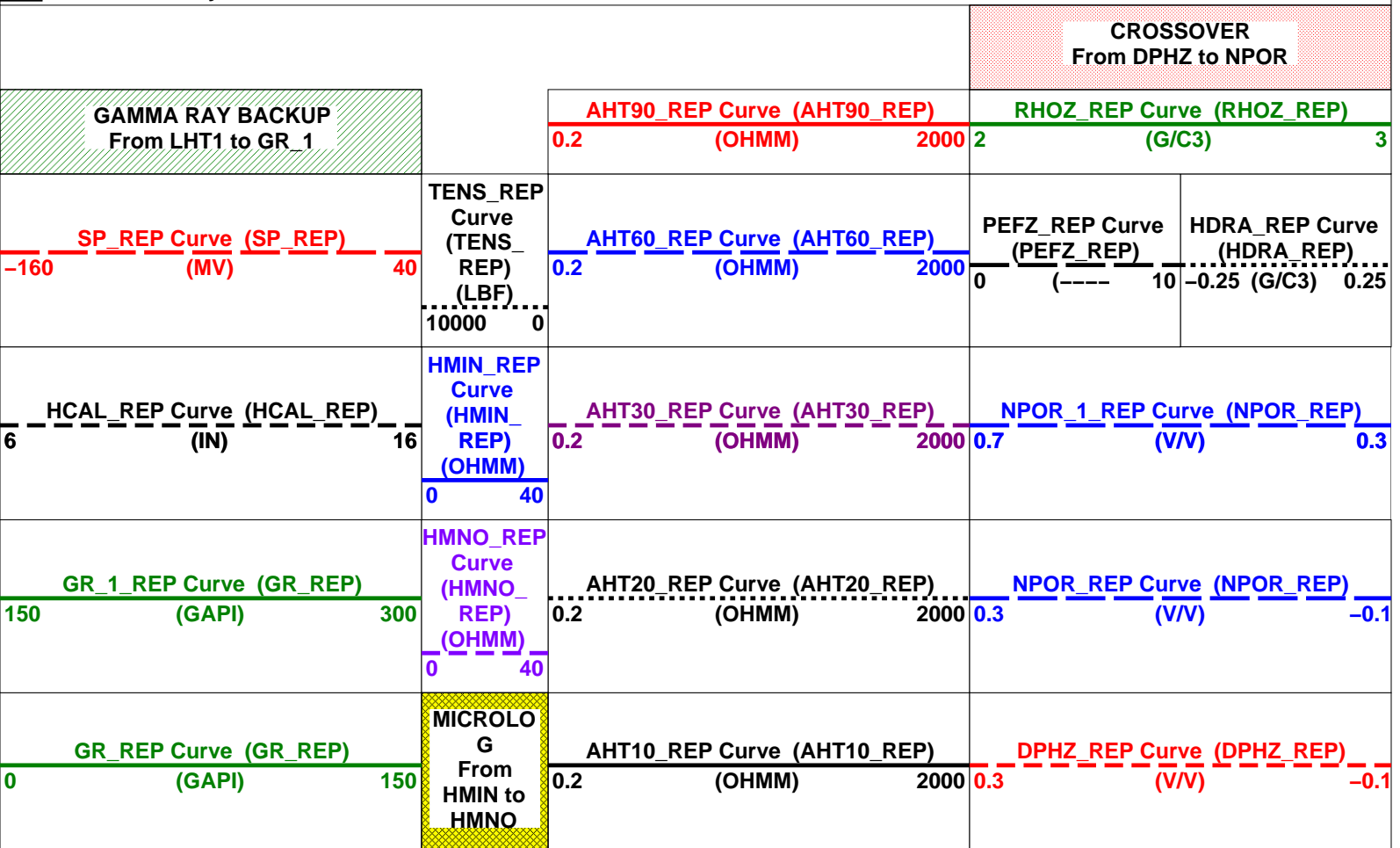
ECS
SGTN

15C0-309
15C0-309

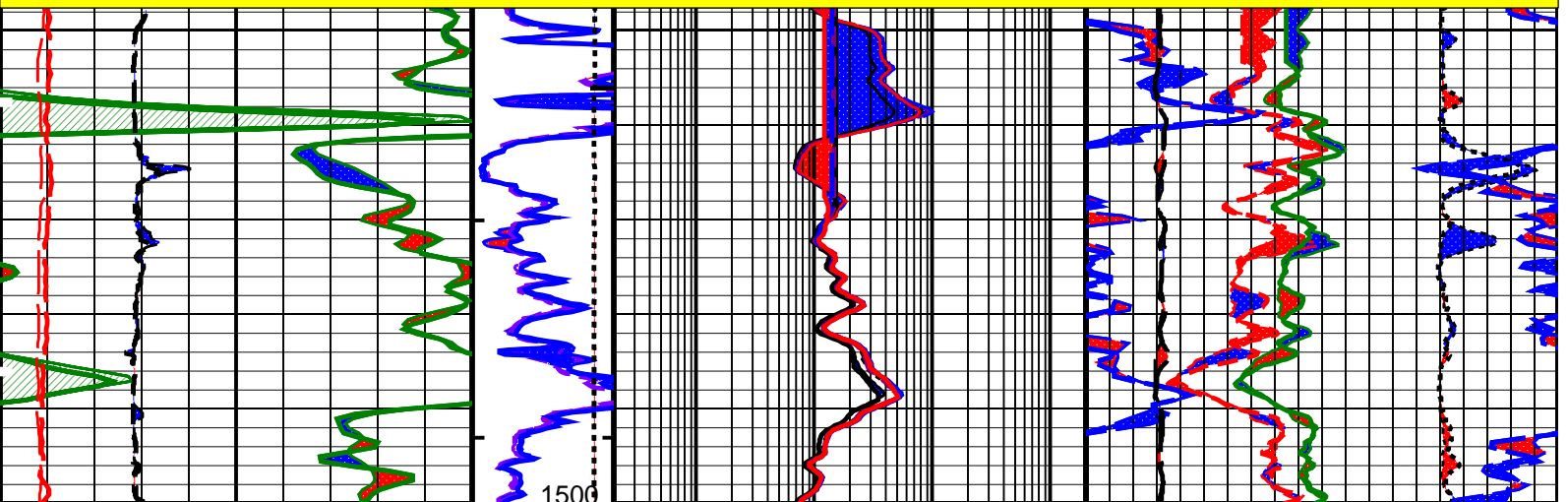
PIP SUMMARY

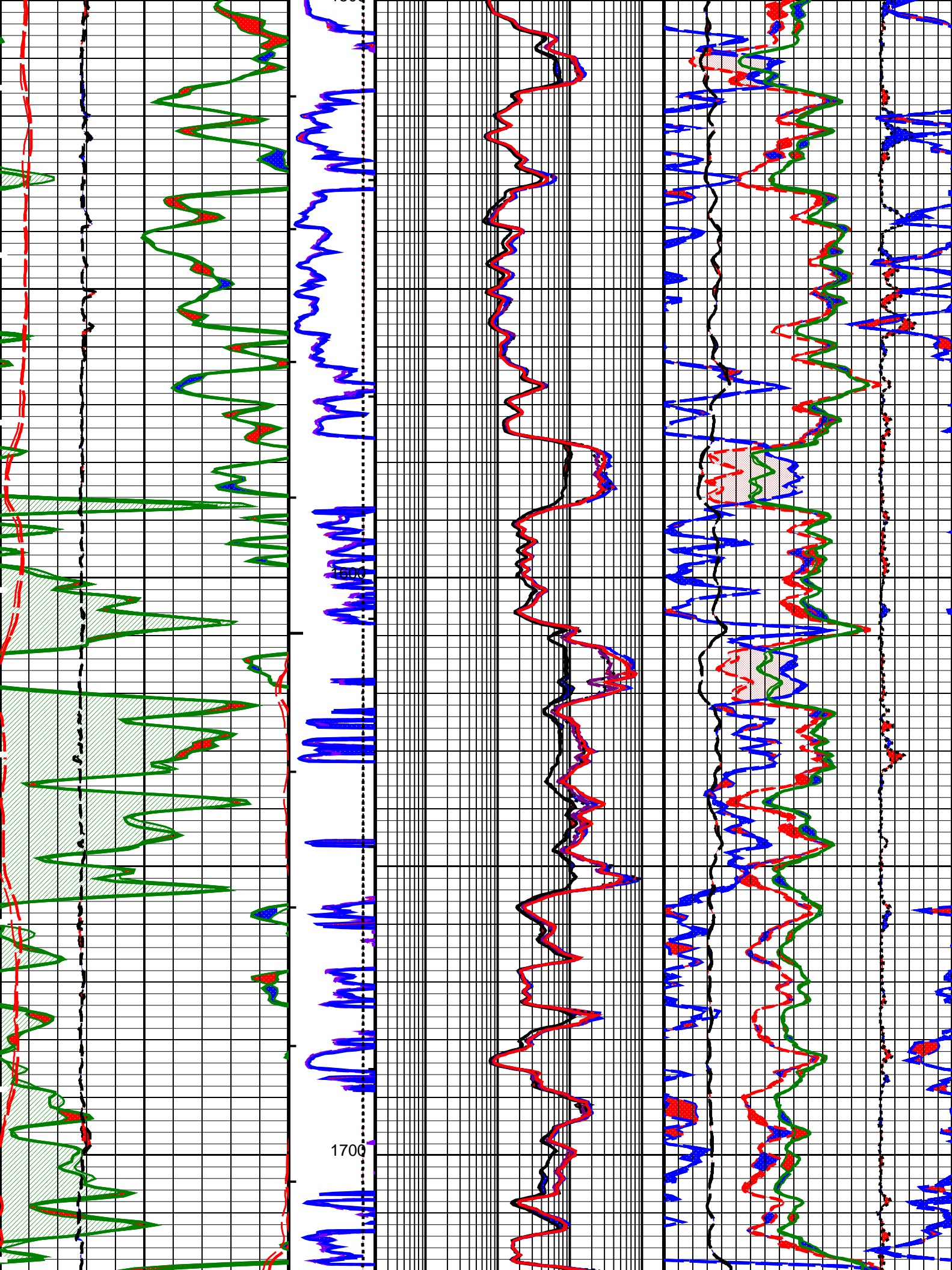
- └ Integrated Hole Volume Minor Pip Every 10 F3
- └ Integrated Hole Volume Major Pip Every 100 F3
 - └ Integrated Cement Volume Minor Pip Every 10 F3
 - └ Integrated Cement Volume Major Pip Every 100 F3

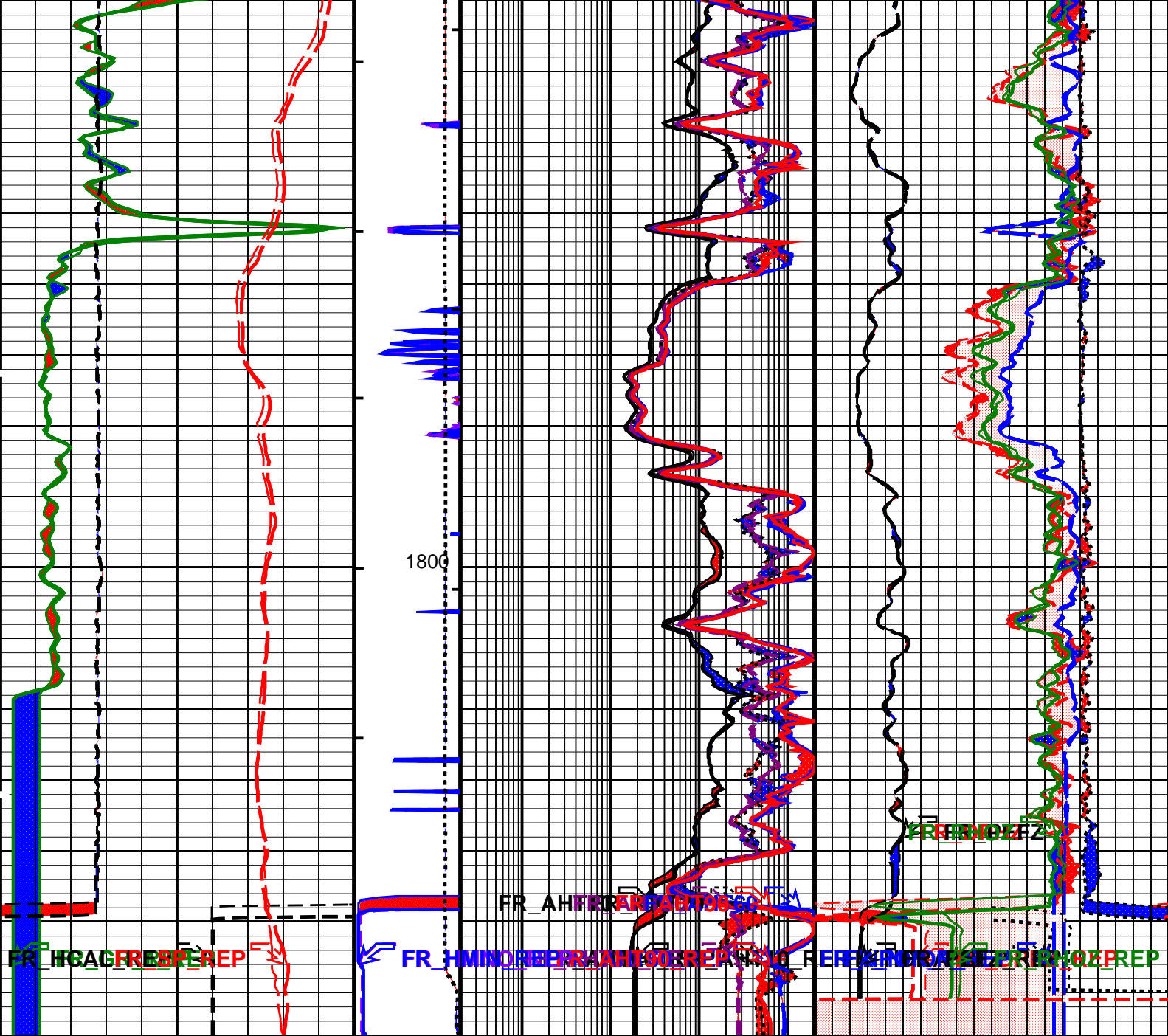
Time Mark Every 60 S



PLATFORM EXPRESS - TRIPLE COMBO REPEAT ANALYSIS / 5 IN = 100 FT







PLATFORM EXPRESS - TRIPLE COMBO REPEAT ANALYSIS / 5 IN = 100 FT

<div>GR_REP Curve (GR_REP) (GAPI)</div> <div>0150</div>	<div>MICROLOG From HMNO to HMNO</div>	<div>AHT10_REP Curve (AHT10_REP) (OHMM)</div> <div>0.22000</div>	<div>DPHZ_REP Curve (DPHZ_REP) (V/V)</div> <div>0.3-0.1</div>
<div>GR_1_REP Curve (GR_REP) (GAPI)</div> <div>150300</div>	<div>HMNO_REP Curve (HMNO_REP) (OHMM)</div> <div>040</div>	<div>AHT20_REP Curve (AHT20_REP) (OHMM)</div> <div>0.22000</div>	<div>NPOR_REP Curve (NPOR_REP) (V/V)</div> <div>0.3-0.1</div>
<div>HCAL_REP Curve (HCAL_REP) (IN)</div> <div>616</div>	<div>HMIN_REP Curve (HMIN_REP) (OHMM)</div> <div>040</div>	<div>AHT30_REP Curve (AHT30_REP) (OHMM)</div> <div>0.22000</div>	<div>NPOR_1_REP Curve (NPOR_REP) (V/V)</div> <div>0.70.3</div>
<div>CD_REP Curve (CD_REP) (CD)</div> <div>010</div>	<div>TENS_REP Curve</div>	<div>AHT50_REP Curve (AHT50_REP) (OHMM)</div> <div>0.22000</div>	<div>PEFZ_REP Curve (PEFZ_REP) (V/V)</div> <div>0.3-0.1</div>

<div>SP_REP Curve (SP_REP)</div> <div>-160 (MV) 40</div>		<div>(TENS_REP)</div> <div>(LBF)</div> <div>10000 0</div>	<div>AHT60_REP Curve (AHT60_REP)</div> <div>0.2 (OHMM) 2000</div>		<div>(PEFZ_REP)</div> <div>(HDRA_REP)</div> <div>0 (----) 10 -0.25 (G/C3) 0.25</div>
<div>GAMMA RAY BACKUP</div> <div>From LHT1 to GR_1</div>			<div>AHT90_REP Curve (AHT90_REP)</div> <div>0.2 (OHMM) 2000</div>		<div>RHOZ_REP Curve (RHOZ_REP)</div> <div>(G/C3)</div> <div>2 3</div>
					<div>CROSSOVER</div> <div>From DPHZ to NPOR</div>

<div>PIP SUMMARY</div> <div> <div> <div> Integrated Hole Volume Minor Pip Every 10 F3 </div> <div> Integrated Hole Volume Major Pip Every 100 F3 </div> <div> Integrated Cement Volume Minor Pip Every 10 F3 </div> <div> Integrated Cement Volume Major Pip Every 100 F3 </div> </div> <div> <div>Time Mark Every 60 S</div> </div> </div>								
---	--	--	--	--	--	--	--	--

Format: MUD_TCOM_MAIN_REP		Vertical Scale: 5" per 100'		Graphics File Created: 28-Sep-2007 15:32		
OP System Version: 15C0-309						
MCM						
HILTD	SRPC-3402-Q3_2007	ECS	15C0-309			
ECC-A	15C0-309	SGTN	15C0-309			
DTCH	15C0-309					
Input DLIS Files						
DEFAULT	AIT_TLD_MCFL_CNL_013PUP	FN:12	PRODUCER	28-Sep-2007 15:14	1866.0 FT	206.5 FT
DEFAULT	AIT_TLD_MCFL_CNL_010PUP	FN:9	PRODUCER	28-Sep-2007 13:54	1866.0 FT	1447.0 FT

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: 21-Jul-2007 17:20 Before: 28-Sep-2007 6:43							
Thru Cal Magnitude – 0	0	0.6375	0.6421	N/A	N/A	N/A	V
Thru Cal Magnitude – 1	0	1.308	1.318	N/A	N/A	N/A	V
Thru Cal Magnitude – 2	0	0.6482	0.6538	N/A	N/A	N/A	V
Thru Cal Magnitude – 3	0	0.7317	0.7377	N/A	N/A	N/A	V
Thru Cal Magnitude – 4	0	1.374	1.385	N/A	N/A	N/A	V
Thru Cal Magnitude – 5	0	1.998	2.014	N/A	N/A	N/A	V
Thru Cal Magnitude – 6	0	1.996	2.011	N/A	N/A	N/A	V
Thru Cal Magnitude – 7	0	1.446	1.460	N/A	N/A	N/A	V
Phase – 0	0	70.24	71.21	N/A	N/A	N/A	DEG
Phase – 1	0	69.12	70.09	N/A	N/A	N/A	DEG
Phase – 2	0	65.65	66.63	N/A	N/A	N/A	DEG
Phase – 3	0	64.90	65.88	N/A	N/A	N/A	DEG
Phase – 4	0	58.79	59.81	N/A	N/A	N/A	DEG
Phase – 5	0	57.16	58.20	N/A	N/A	N/A	DEG
Phase – 6	0	57.17	58.21	N/A	N/A	N/A	DEG
Phase – 7	0	56.30	57.53	N/A	N/A	N/A	DEG
High resolution Integrated Logging Tool-DTS Wellsite Calibration – Electronics Calibration Check – Auxilliary							
Master: 21-Jul-2007 17:20 Before: 28-Sep-2007 6:43							
Array Induction SPA Plus	990.5	991.2	992.6	N/A	N/A	N/A	MV
Array Induction SPA Zero	0	-0.01815	-0.07321	N/A	N/A	N/A	MV
Array Induction Temperature PI	0.9150	0.9180	0.9192	N/A	N/A	N/A	V
Array Induction Temperature Ze	0	-0.00001028	-0.00006897	N/A	N/A	N/A	V
High resolution Integrated Logging Tool-DTS Wellsite Calibration – Test Loop Gain Correction							
Master: 21-Jul-2007 17:20							
Test Loop Gain Magnitude – 0	0	1.012	N/A	N/A	N/A	N/A	V
Test Loop Gain Magnitude – 1	0	1.010	N/A	N/A	N/A	N/A	V
Test Loop Gain Magnitude – 2	0	1.007	N/A	N/A	N/A	N/A	V
Test Loop Gain Magnitude – 3	0	0.9994	N/A	N/A	N/A	N/A	V
Test Loop Gain Magnitude – 4	0	0.9885	N/A	N/A	N/A	N/A	V
Test Loop Gain Magnitude – 5	0	0.9844	N/A	N/A	N/A	N/A	V
Test Loop Gain Magnitude – 6	0	0.9957	N/A	N/A	N/A	N/A	V
Test Loop Gain Magnitude – 7	0	1.003	N/A	N/A	N/A	N/A	V

Phase – 0	0	0.4224	N/A	N/A	N/A	N/A	DEG
Phase – 1	0	0.3222	N/A	N/A	N/A	N/A	DEG
Phase – 2	0	0.2178	N/A	N/A	N/A	N/A	DEG
Phase – 3	0	0.7772	N/A	N/A	N/A	N/A	DEG
Phase – 4	0	0.04380	N/A	N/A	N/A	N/A	DEG
Phase – 5	0	–0.5315	N/A	N/A	N/A	N/A	DEG
Phase – 6	0	0.08743	N/A	N/A	N/A	N/A	DEG
Phase – 7	0	–0.3628	N/A	N/A	N/A	N/A	DEG

High resolution Integrated Logging Tool–DTS Wellsite Calibration – Sonde Error Correction
Master: 21–Jul–2007 17:20

R Sonde Error Correction – 0	0	–119.0	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 1	0	168.4	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 2	0	105.0	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 3	0	66.90	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 4	0	24.50	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 5	0	13.79	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 6	0	8.936	N/A	N/A	N/A	N/A	MM/M
R Sonde Error Correction – 7	0	–1.189	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 0	0	–32.20	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 1	0	–197.3	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 2	0	–75.66	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 3	0	–64.46	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 4	0	–16.63	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 5	0	10.43	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 6	0	–2.144	N/A	N/A	N/A	N/A	MM/M
X Sonde Error Correction – 7	0	10.52	N/A	N/A	N/A	N/A	MM/M

High resolution Integrated Logging Tool–DTS Wellsite Calibration – Mud Gain Correction
Master: 21–Jul–2007 17:20

Coarse – Mag, Real, Imag – 0	0	1.164	N/A	N/A	N/A	N/A
Coarse – Mag, Real, Imag – 1	0	1.164	N/A	N/A	N/A	N/A
Coarse – Mag, Real, Imag – 2	0	1.164	N/A	N/A	N/A	N/A
Fine – Mag, Real, Imag – 0	0	1.162	N/A	N/A	N/A	N/A
Fine – Mag, Real, Imag – 1	0	1.162	N/A	N/A	N/A	N/A
Fine – Mag, Real, Imag – 2	0	1.162	N/A	N/A	N/A	N/A

High resolution Integrated Logging Tool–DTS Wellsite Calibration – Stab Measurement Summary
Before: 28–Sep–2007 6:54

BS Window Ratio	0.7328	N/A	0.7343	N/A	N/A	N/A	
BS Window Sum	13770	N/A	13760	N/A	N/A	N/A	CPS
SS Window Ratio	0.5010	N/A	0.5007	N/A	N/A	N/A	
SS Window Sum	9642	N/A	9643	N/A	N/A	N/A	CPS
LS Window Ratio	0.2880	N/A	0.2890	N/A	N/A	N/A	
LS Window Sum	1217	N/A	1215	N/A	N/A	N/A	CPS

High resolution Integrated Logging Tool–DTS Wellsite Calibration – Photo–multiplier High Voltages Calibrations
Before: 28–Sep–2007 6:54

BS PM High Voltage (Command)	1396	N/A	1382	N/A	N/A	N/A	V
SS PM High Voltage (Command)	1208	N/A	1214	N/A	N/A	N/A	V
LS PM High Voltage (Command)	1433	N/A	1438	N/A	N/A	N/A	V

High resolution Integrated Logging Tool–DTS Wellsite Calibration – Crystal Quality Resolutions Calibration
Before: 28–Sep–2007 6:54

BS Crystal Resolution	11.24	N/A	11.08	N/A	N/A	N/A	%
SS Crystal Resolution	8.715	N/A	9.095	N/A	N/A	N/A	%
LS Crystal Resolution	9.082	N/A	8.914	N/A	N/A	N/A	%

High resolution Integrated Logging Tool–DTS Wellsite Calibration – MCFL Calibration
Before: 28–Sep–2007 6:55

Raw B0 Resistivity	3875	N/A	3847	N/A	N/A	N/A	OHMM
Raw B1 Resistivity	3830	N/A	3780	N/A	N/A	N/A	OHMM
Raw B2 Resistivity	3830	N/A	3792	N/A	N/A	N/A	OHMM

High resolution Integrated Logging Tool–DTS Wellsite Calibration – HILT Caliper Calibration
Before: 28–Sep–2007 6:46

HILT Caliper Zero Measurement	8.000	N/A	9.519	N/A	N/A	N/A	IN
HILT Caliper Plus Measurement	16.00	N/A	17.84	N/A	N/A	N/A	IN

High resolution Integrated Logging Tool–DTS Wellsite Calibration – Detector Calibration
Before: 28–Sep–2007 6:42

Gamma Ray Background	30.00	N/A	50.29	N/A	N/A	N/A	GAPI
Gamma Ray (Jig – Bkg)	185.4	N/A	185.4	N/A	N/A	16.86	GAPI
Gamma Ray (Calibrated)	165.0	N/A	165.0	N/A	N/A	15.00	GAPI

High resolution Integrated Logging Tool–DTS Wellsite Calibration – Zero Measurement
Master: 13–Sep–2007 15:00 Before: 28–Sep–2007 6:43

CNTC Background	25.84	25.84	24.50	N/A	N/A	3.876	CPS
CFTC Background	28.13	28.13	25.27	N/A	N/A	4.220	CPS

High resolution Integrated Logging Tool–DTS Wellsite Calibration – Ratio Measurement
Master: 13–Sep–2007 15:00

Master: 19-Sep-2007 19:00	Thermal Near Corr. (Tank)	5800	5357	N/A	N/A	N/A	N/A	CPS
	Thermal Far Corr. (Tank)	2400	2343	N/A	N/A	N/A	N/A	CPS
	CNTC/CFTC (Tank)	2.159	2.286	N/A	N/A	N/A	N/A	
High resolution Integrated Logging Tool-DTS Wellsite Calibration – Accelerometer Calibration								
Before: 28-Sep-2007 13:19								
	Z-Axis Acceleration	32.19	N/A	32.09	N/A	N/A	N/A	F/S2
High resolution Integrated Logging Tool-DTS Master Calibration – Inversion results								
Master: 19-Sep-2007 20:04								
	Rho Aluminum	2.596	2.598	--	--	--	--	G/C3
	Rho Magnesium	1.686	1.688	--	--	--	--	G/C3
	Pe Aluminum	2.570	2.596	--	--	--	--	
	Pe Magnesium	2.650	2.596	--	--	--	--	
High resolution Integrated Logging Tool-DTS Master Calibration – Deviation Summary								
Master: 19-Sep-2007 20:04								
	BS Average Deviation	0	0.2310	--	--	--	--	%
	BS Max Deviation	0	0.8873	--	--	--	--	%
	SS Average Deviation	0	0.3318	--	--	--	--	%
	SS Max Deviation	0	1.081	--	--	--	--	%
	LS Average Deviation	0	0.7040	--	--	--	--	%
	LS Max Deviation	0	1.809	--	--	--	--	%
Scintillation Gamma Ray Tool – N Wellsite Calibration – Detector Calibration								
Before: 28-Sep-2007 7:26								
	Gamma Ray (Jig – Bkg)	167.7	N/A	167.7	N/A	N/A	15.24	GAPI
	Gamma Ray (Calibrated)	165.0	N/A	165.0	N/A	N/A	15.00	GAPI
<p>The GLS-VJ source activity is acceptable.</p> <p>The HGNS Neutron Master Calibration was done with the following parameters :</p> <p>NCT-B Water Temperature 79.0 DEGF.</p> <p>Thermal Housing Size 3.375 IN.</p> <p>NSR-F serial number 1329</p>								

High resolution Integrated Logging Tool-DTS / Equipment Identification			
Primary Equipment:			
Array Induction Tool – H	AIT – H		
Rm/SP Bottom Nose	AHRM – A		
Array Induction Sonde	AHIS – BA	303	
HILT high-Resolution Mechanical Sonde	HRMS – B		
HILT Rxo Gamma-ray Device	HRGD – B		
HILT Micro Cylindrically Focused Log Dev	MCFL –		
GR Logging Source	GLS – VJ	1885	
HILT High Res. Control Cartridge	HRCC – B		
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	0.6375		0.6050	70.24		71.00
	Before	0.6421			71.21		
1	Master	1.308		1.270	69.12		70.00
	Before	1.318			70.09		
2	Master	0.6482		0.6230	65.65		66.00
	Before	0.6538			66.63		
3	Master	0.7317		0.7040	64.90		65.00
	Before	0.7377			65.88		
4	Master	1.374		1.337	58.79		59.00
	Before	1.387			58.61		

Before	1.385				59.81		
5	Master	1.998			1.955	57.16	
	Before	2.014				58.20	57.00
6	Master	1.996			1.955	57.17	
	Before	2.011				58.21	57.00
7	Master	1.446			1.415	56.30	
	Before	1.460				57.53	53.00
		60.00 % (Minimum)	(Nominal)	140.0 % (Maximum)		Nom -60.00 (Minimum)	Nom + 60.00 (Maximum)
Master: 21-Jul-2007 17:20				Before: 28-Sep-2007 6:43			

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			991.2	Master			-0.01815
Before			992.6	Before			-0.07321
	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			0.9180	Master			-1.028E-00
Before			0.9192	Before			-6.897E-00
	0.8700 (Minimum)	0.9150 (Nominal)	0.9600 (Maximum)		-0.05000 (Minimum)	0 (Nominal)	0.05000 (Maximum)
Master: 21-Jul-2007 17:20				Before: 28-Sep-2007 6:43			

High resolution Integrated Logging Tool-DTS Wellsite Calibration							
Test Loop Gain Correction							
Idx	Value	Test Loop Gain Magnitude V		Value	Phase DEG		
0	1.012			0.4224			
		0.9500 (Minimum)	1.000 (Nominal)		-3.000 (Minimum)	0 (Nominal)	3.000 (Maximum)
1	1.010			0.3222			
		0.9500 (Minimum)	1.000 (Nominal)		-3.000 (Minimum)	0 (Nominal)	3.000 (Maximum)
2	1.007			0.2178			
		0.9500 (Minimum)	1.000 (Nominal)		-3.000 (Minimum)	0 (Nominal)	3.000 (Maximum)
3	0.9994			0.7772			
		0.9500 (Minimum)	1.000 (Nominal)		-3.000 (Minimum)	0 (Nominal)	3.000 (Maximum)
4	0.9885			0.04380			
		0.9500 (Minimum)	1.000 (Nominal)		-3.000 (Minimum)	0 (Nominal)	3.000 (Maximum)
5	0.9844			-0.5315			
		0.9500 (Minimum)	1.000 (Nominal)		-3.000 (Minimum)	0 (Nominal)	3.000 (Maximum)
6	0.9957			0.08743			
		0.9500 (Minimum)	1.000 (Nominal)		-3.000 (Minimum)	0 (Nominal)	3.000 (Maximum)
7	1.003			-0.3628			
		0.9500 (Minimum)	1.000 (Nominal)		-3.000 (Minimum)	0 (Nominal)	3.000 (Maximum)
Master: 21-Jul-2007 17:20							

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	-119.0			-32.20			
		-231.0 (Minimum)	-56.00 (Nominal)		-2250 (Minimum)	0 (Nominal)	2250 (Maximum)
1	168.4			-197.3			
		114.0	159.0		-625.0	0	625.0

Master: 21-Jul-2007 17:20

Master: 21-Jul-2007 17:20

Before: 28-Sep-2007 6:54

Before: 28-Sep-2007 6:54

Before: 28-Sep-2007 6:54

Before: 28-Sep-2007 6:55

Before: 28-Sep-2007 6:46





Before: 28-Sep-2007 6:42

















Master: 13-Sep-2007 15:00 Before: 28-Sep-2007 6:43















Master: 13-Sep-2007 15:00

Before: 28-Sep-2007 13:19

Master: 21-Jul-2007 17:20

High resolution Integrated Logging Tool–DTS Master Calibration									
Electronics Calibration Check – Auxilliary									
Phase	Array Induction SPA Plus MV			Value	Phase	Array Induction SPA Zero MV			Value
Master				991.2	Master				–0.01815
	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				0.9180	Master				–1.028E–00
	0.8700 (Minimum)	0.9150 (Nominal)	0.9600 (Maximum)			–0.05000 (Minimum)	0 (Nominal)	0.05000 (Maximum)	
Master: 21–Jul–2007 17:20									







High resolution Integrated Logging Tool–DTS Master Calibration							
Test Loop Gain Correction							
Idx	Value	Test Loop Gain Magnitude V			Value	Phase DEG	
0	1.012				0.4224		
		0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)		-3.000 (Minimum)	0 (Nominal) 3.000 (Maximum)
1	1.010				0.3222		
		0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)		-3.000 (Minimum)	0 (Nominal) 3.000 (Maximum)
2	1.007				0.2178		
		0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)		-3.000 (Minimum)	0 (Nominal) 3.000 (Maximum)
3	0.9994				0.7772		
		0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)		-3.000 (Minimum)	0 (Nominal) 3.000 (Maximum)
4	0.9885				0.04380		
		0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)		-3.000 (Minimum)	0 (Nominal) 3.000 (Maximum)
5	0.9844				-0.5315		
		0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)		-3.000 (Minimum)	0 (Nominal) 3.000 (Maximum)
6	0.9957				0.08743		
		0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)		-3.000 (Minimum)	0 (Nominal) 3.000 (Maximum)
7	1.003				-0.3628		
		0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)		-3.000 (Minimum)	0 (Nominal) 3.000 (Maximum)
Master: 21–Jul–2007 17:20							

High resolution Integrated Logging Tool–DTS Master Calibration								
Sonde Error Correction								
Idx	Value	R Sonde Error Correction MM/M			Value	X Sonde Error Correction MM/M		
0	-119.0				-32.20			
		-231.0 (Minimum)	-56.00 (Nominal)	119.0 (Maximum)		-2250 (Minimum)	0 (Nominal)	2250 (Maximum)
1	168.4				-197.3			
		114.0 (Minimum)	159.0 (Nominal)	204.0 (Maximum)		-625.0 (Minimum)	0 (Nominal)	625.0 (Maximum)
2	105.0				-75.66			
		66.00 (Minimum)	111.0 (Nominal)	156.0 (Maximum)		-350.0 (Minimum)	0 (Nominal)	350.0 (Maximum)
3	66.90				-64.46			
		39.00 (Minimum)	64.00 (Nominal)	89.00 (Maximum)		-250.0 (Minimum)	0 (Nominal)	250.0 (Maximum)
4	24.50				-16.63			
		15.00 (Minimum)	25.00 (Nominal)	35.00 (Maximum)		-63.00 (Minimum)	0 (Nominal)	63.00 (Maximum)
5	13.79				10.43			
		4.000 (Minimum)	14.00 (Nominal)	24.00 (Maximum)		-50.00 (Minimum)	0 (Nominal)	50.00 (Maximum)
6	8.936				-2.144			
		5.000 (Minimum)	10.00 (Nominal)	15.00 (Maximum)		-30.00 (Minimum)	0 (Nominal)	30.00 (Maximum)

	(Minimum)	(Nominal)	(Maximum)	(Minimum)	(Nominal)	(Maximum)
7	-1.189			10.52		
	-5.000 (Minimum)	0 (Nominal)	5.000 (Maximum)	-30.00 (Minimum)	0 (Nominal)	30.00 (Maximum)

Master: 21-Jul-2007 17:20

Master: 21-Jul-2007 17:20

High resolution Integrated Logging Tool–DTS Master Calibration								
Mud Gain Correction								
Idx	Value	Coarse – Mag, Real, Imag			Value	Fine – Mag, Real, Imag		
0	1.164				1.162			
		0.8000 (Minimum)	1.000 (Nominal)	1.200 (Maximum)		0.8000 (Minimum)	1.000 (Nominal)	1.200 (Maximum)
1	1.164				1.162			
		0.8000 (Minimum)	1.000 (Nominal)	1.200 (Maximum)		0.8000 (Minimum)	1.000 (Nominal)	1.200 (Maximum)
2	1.164				1.162			
		0.8000 (Minimum)	1.000 (Nominal)	1.200 (Maximum)		0.8000 (Minimum)	1.000 (Nominal)	1.200 (Maximum)
Master: 21–Jul–2007 17:20								



Master: 21-Jul-2007 17:20

High resolution Integrated Logging Tool-DTS Master Calibration									
Inversion results									
Phase	Rho Aluminum G/C3			Value	Phase	Rho Magnesium G/C3			Value
Master	<div><div></div></div>			2.598	Master	<div><div></div></div>			1.688
	2.586 (Minimum)	2.596 (Nominal)	2.606 (Maximum)			1.676 (Minimum)	1.686 (Nominal)	1.696 (Maximum)	
Phase	Pe Aluminum			Value	Phase	Pe Magnesium			Value
Master	<div><div></div></div>			2.596	Master	<div><div></div></div>			2.596
	2.470 (Minimum)	2.570 (Nominal)	2.670 (Maximum)			2.550 (Minimum)	2.650 (Nominal)	2.750 (Maximum)	
Master: 19-Sep-2007 20:04									

Master: 19-Sep-2007 20:04

High resolution Integrated Logging Tool-DTS Master Calibration									
Deviation Summary									
Phase	BS Average Deviation %			Value	Phase	SS Average Deviation %			Value
Master				0.2310	Master				0.3318
	-0.6000 (Minimum)	0 (Nominal)	0.6000 (Maximum)			-1.000 (Minimum)	0 (Nominal)	1.000 (Maximum)	
Phase	BS Max Deviation %			Value	Phase	SS Max Deviation %			Value
Master				0.8873	Master				1.081
	-1.600 (Minimum)	0 (Nominal)	1.600 (Maximum)			-2.500 (Minimum)	0 (Nominal)	2.500 (Maximum)	
Phase	LS Average Deviation %			Value	Phase	LS Max Deviation %			Value
Master				0.7040	Master				1.809
	-1.500 (Minimum)	0 (Nominal)	1.500 (Maximum)			-3.500 (Minimum)	0 (Nominal)	3.500 (Maximum)	

Master: 19-Sep-2007 20:04

High resolution Integrated Logging Tool-DTS Master Calibration									
Zero Measurement									
Phase	CNTC Background CPS			Value	Phase	CFTC Background CPS			Value
Master				25.84	Master				28.13
	5.000 (Minimum)	25.84 (Nominal)	40.00 (Maximum)			5.000 (Minimum)	28.13 (Nominal)	40.00 (Maximum)	
Master: 13-Sep-2007 15:00									

Master: 13-Sep-2007 15:00

High resolution Integrated Logging Tool-DTS Master Calibration									
Tank Measurement									
Phase	Thermal Near Corr. (Tank) CPS			Value	Phase	Thermal Far Corr. (Tank) CPS			Value
Master				5357	Master				2343
	4700 (Minimum)	5800 (Nominal)	6900 (Maximum)			1900 (Minimum)	2400 (Nominal)	2900 (Maximum)	
Phase	CNTC/CFTC (Tank)			Value	Phase	CNTC/CFTC (Tank)			Value
Master				2.286					
	2.120 (Minimum)	2.159 (Nominal)	2.540 (Maximum)						

Master: 13-Sep-2007 15:00

Elemental Capture Cartridge - A / Equipment Identification	
Primary Equipment: ECC Cartridge	ECC - A
Auxiliary Equipment:	

Scintillation Gamma Ray Tool – N / Equipment Identification

Primary Equipment:

Scintillation Gamma Cartridge
Scintillation Gamma Detector

SGC – TB
SGD – TAB




Auxiliary Equipment:

Scintillation Gamma Housing
Gamma Source Radioactive

SGH – K
GSR – U/Y

Scintillation Gamma Ray Tool – N Wellsite Calibration

Detector Calibration

Phase	Gamma Ray Background	GAPI	Value	Phase	Gamma Ray (Jig – Bkg)	GAPI	Value	Phase	Gamma Ray (Calibrated)	GAPI	Value
Before			46.99	Before			167.7	Before			165.0
0 (Minimum)	30.00 (Nominal)	120.0 (Maximum)		152.4 (Minimum)	167.7 (Nominal)	182.9 (Maximum)		150.0 (Minimum)	165.0 (Nominal)	180.0 (Maximum)	

Before: 28-Sep-2007 7:26

DTS Telemetry Tool / Equipment Identification

Primary Equipment:

DTC–H Auxiliary Cartridge
DTC–H Telemetry Cartridge

DTCH – A
DTCH – A

Auxiliary Equipment:

DTCH Telemetry Cartridge Housing

ECH – KC

Input DLIS Files

DEFAULT AIT_TLD_MCFL_CNL_011LUP FN:10 PRODUCER 28-Sep-2007 13:58 1866.0 FT 200.0 FT

Output DLIS Files

DEFAULT AIT_TLD_MCFL_CNL_013PUP FN:12 PRODUCER 28-Sep-2007 15:14 1866.0 FT 206.5 FT

Integrated Hole/Cement Volume Summary

Hole Volume = 554.93 F3

Cement Volume = 340.86 F3 (assuming 5.50 IN casing O.D.)

Computed from 1856.0 FT to 559.0 FT using data channel(s) HCAL

OP System Version: 15C0–309

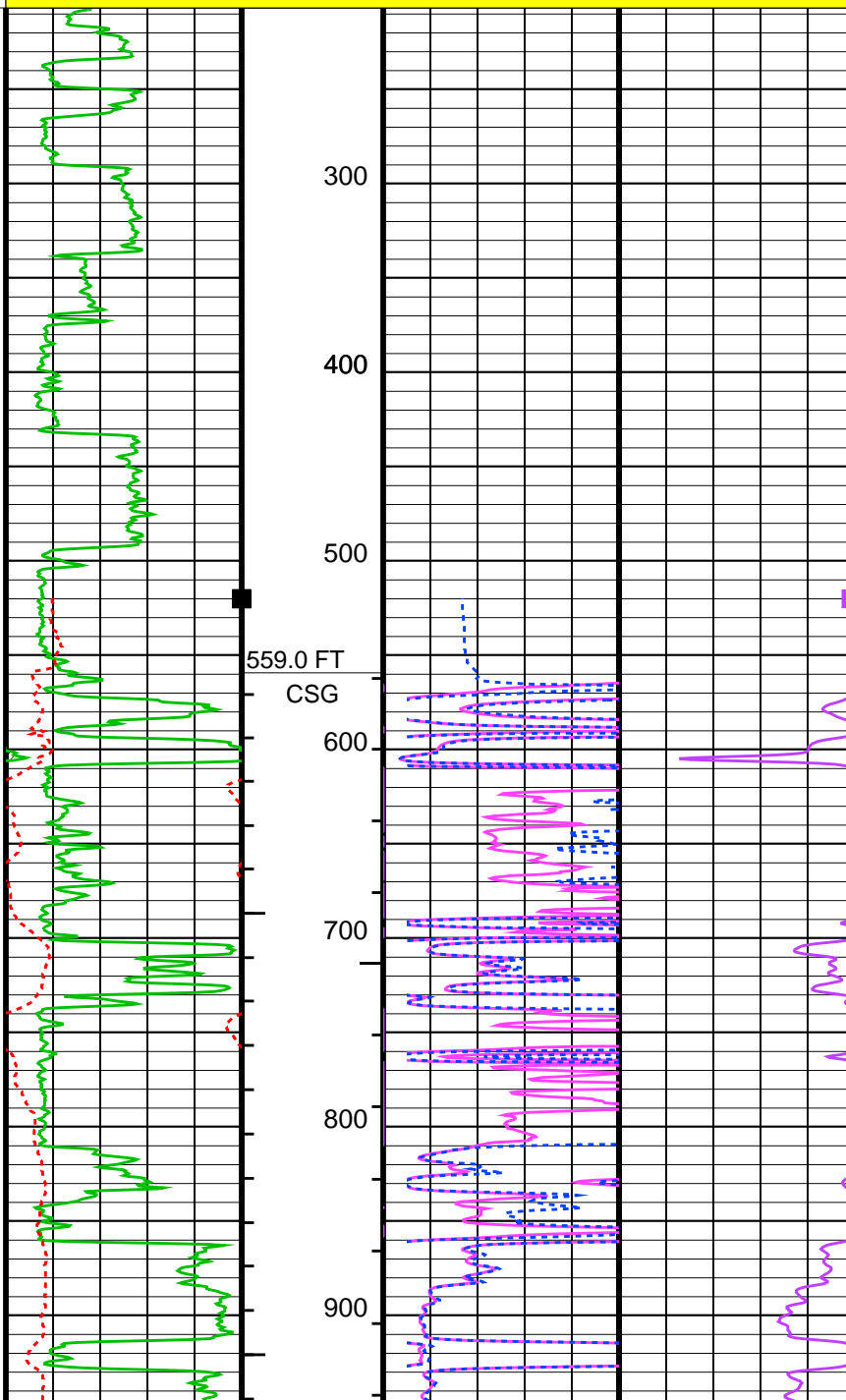
MCM

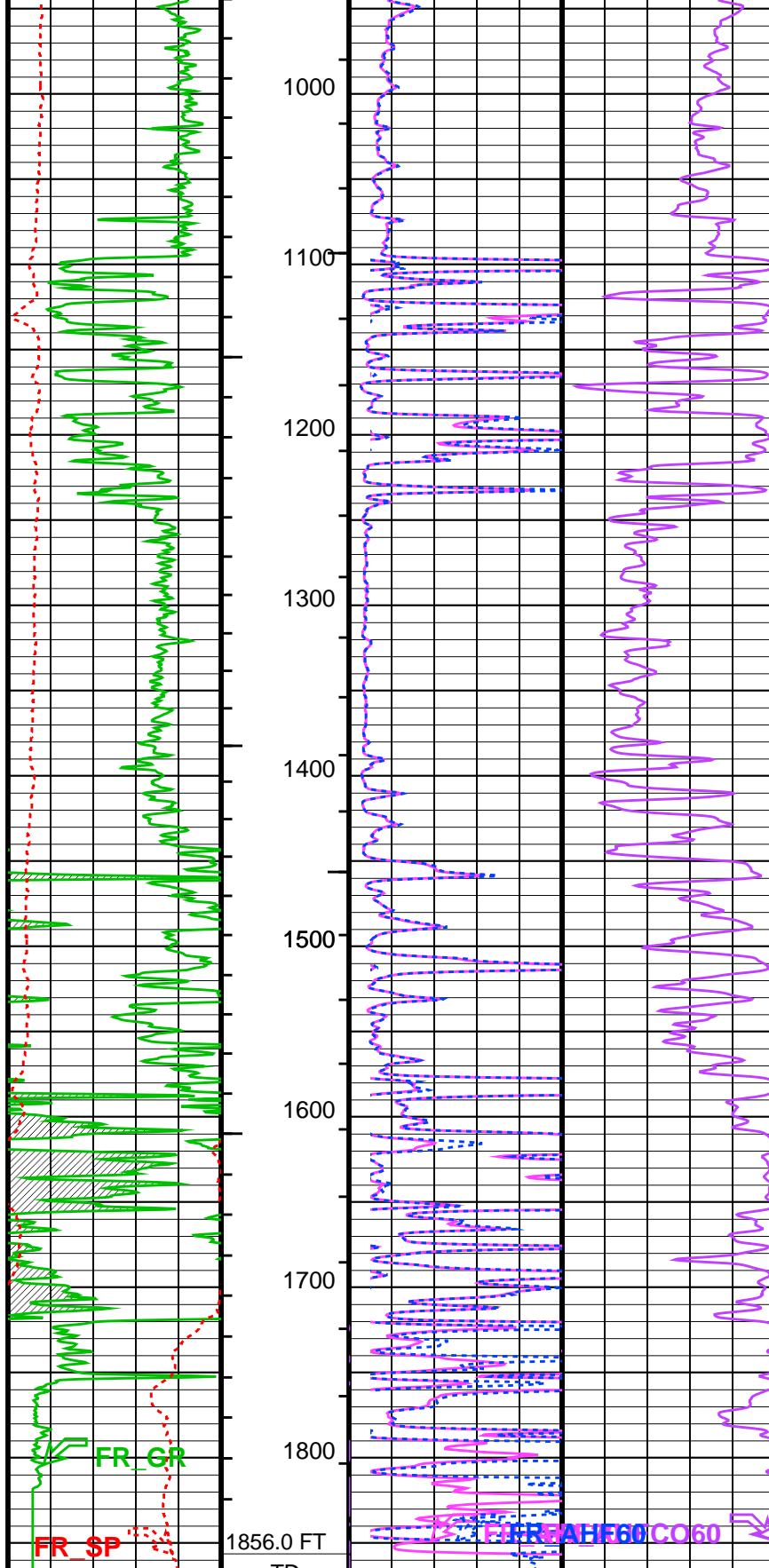
HILTB–FTB	SRPC–3402–Q3_2007	ECS–A	15C0–309
ECC–A	15C0–309	SGT–N	15C0–309
DTC–H	15C0–309		

PIP SUMMARY

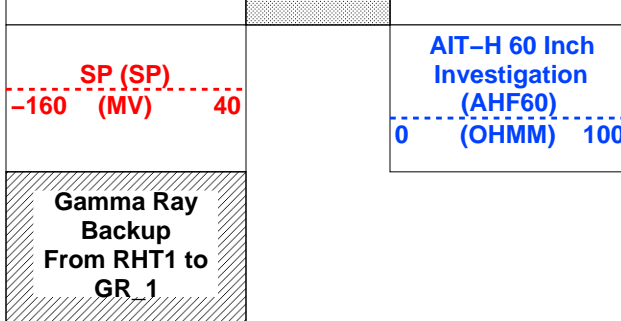
- └ Integrated Hole Volume Minor Pip Every 10 F3
- └ Integrated Hole Volume Major Pip Every 100 F3
 - └ Integrated Cement Volume Minor Pip Every 10 F3
 - └ Integrated Cement Volume Major Pip Every 100 F3

Gamma Ray Backup From RHT1 to GR_1			
SP (SP) -160 (MV) 40		AIT-H 60 Inch Investigation (AHF60) 0 (OHMM) 100	
Gamma Ray (GR) 150 (GAPI) 300	Cable Drag From STIA to STIT	AIT-H 20 Inch Investigation (AHF20) 0 (OHMM) 100	
Gamma Ray (GR) 0 (GAPI) 150	Stuck Stretch (STIT) 0 (F) 50	AIT-H 60 Inch Investigation Conductivity (AHFCO60) 400 (MM/M) 0	
CORRELATION 1"=100FT			





CORRELATION 1"=100FT			
Gamma Ray (GR) 0 (GAPI) 150	Stuck Stretch (STIT) 0 (F) 50	AIT-H 60 Inch Investigation Conductivity (AHFCO60) 400 (MM/M) 0	
Gamma Ray (GR) 150 (GAPI) 300	Cable Drag From STIA to STIT	AIT-H 20 Inch Investigation (AHF20) 0 (OHMM) 100	



PIP SUMMARY

- └ Integrated Hole Volume Minor Pip Every 10 F3
- └ Integrated Hole Volume Major Pip Every 100 F3
 - └ Integrated Cement Volume Minor Pip Every 10 F3
 - └ Integrated Cement Volume Major Pip Every 100 F3

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
HILTB-FTB: High resolution Integrated Logging Tool-DTS			
AHBHM	Array Induction Borehole Correction Mode	2_ComputeStandoff	
AHBHV	Array Induction Borehole Correction Code Version Number	900	
AHBLM	Array Induction Basic Logs Mode	6_One_Two_and_Four	
AHBLV	Array Induction Basic Logs Code Version Number	223	
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	41.70.24.20	
AHMRF	Array Induction Mud Resistivity Factor	1	
AHORSV	Array Induction Response Set Version for One ft Resolution	41.70.24.20	
AHRFV	Array Induction Radial Profiling Code Version Number	701	
AHRPV	Array Induction Radial Parametrization Code Version Number	232	
AHSTA	Array Induction Tool Standoff	1.5	IN
AHTRSV	Array Induction Response Set Version for Two ft Resolution	41.70.24.20	
BHT	Bottom Hole Temperature (used in calculations)	89	DEGF
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	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	AITH_RESIST	
GTSE	Generalized Temperature Selection	HSTS_HTEM	
SHT	Surface Hole Temperature	68	DEGF
SPNV	SP Next Value	0	MV
SGT-N: Scintillation Gamma Ray Tool - N			
BHT	Bottom Hole Temperature (used in calculations)	89	DEGF
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	AITH_RESIST	
GTSE	Generalized Temperature Selection	HSTS_HTEM	
SHT	Surface Hole Temperature	68	DEGF
HOLEV: Integrated Hole/Cement Volume			
BHT	Bottom Hole Temperature (used in calculations)	89	DEGF
FCD	Future Casing (Outer) Diameter	5.5	IN
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	AITH_RESIST	
GTSE	Generalized Temperature Selection	HSTS_HTEM	
HVCS	Integrated Hole Volume Caliper Selection	HCAL	
SHT	Surface Hole Temperature	68	DEGF
STI: Stuck Tool Indicator			
LBFR	Trigger for MAXIS First Reading Label	TDL	
STKT	STI Stuck Threshold	2.5	FT
TDD	Total Depth - Driller	1859.00	FT
TDL	Total Depth - Logger	1856.00	FT
System and Miscellaneous			
BS	Bit Size	8.750	IN
DFD	Drilling Fluid Density	9.00	LB/G
DO	Depth Offset for Playback	0.0	FT
DORL	Depth Offset for Repeat Analysis	0.0	FT
FLEV	Fluid Level	-50000.00	FT
MST	Mud Sample Temperature	88.39	DEGF
PP	Playback Processing	RECOMPUTE	
TD	Total Depth	1856	FT

OP System Version: 15C0-309
MCM

HILTB-FTB	SRPC-3402-Q3_2007	ECS-A	15C0-309
ECC-A	15C0-309	SGT-N	15C0-309
DTC-H	15C0-309		

Input DLIS Files

DEFAULT AIT_TLD_MCFL_CNL_011LUP FN:10 PRODUCER 28-Sep-2007 13:58 1866.0 FT 200.0 FT

Output DLIS Files

DEFAULT AIT_TLD_MCFL_CNL_013PUP FN:12 PRODUCER 28-Sep-2007 15:14

Company: **STORM CAT ENERGY (USA) OPERATING CORP**



Well: **FILES 1-12H**
Field: **B-43**
County: **VAN BUREN**
State: **ARKANSAS**

****PLATFORM EXPRESS****
ARRAY INDUCTION/ GAMMA RAY
LITHO-DENSITY/ COMPENSATED NEUTRON