

Schlumberger

Company: Noble Energy Inc

Well: Nelson 41-36B

Field: Schramm

County: Yuma

State: Colorado

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Schlumberger

Company: Noble Energy Inc

Well: Nelson 41-36B

Field: Schramm

County: Yuma

State: Colorado

[illegible]

Logging Date					
Run Number					
Depth Driller					
Schlumberger Depth					
Bottom Log Interval					
Top Log Interval					
Casing Driller Size @ Depth		@			
Casing Schlumberger					
Bit Size					
Type Fluid In Hole					
Density		Viscosity			
Fluid Loss		PH			
Source Of Sample					
RM @ Measured Temperature		@			
RMF @ Measured Temperature		@			
RMC @ Measured Temperature		@			
Source RMF		RMF			
RM @ MRT		RMF @ MRT	@		@
Maximum Recorded Temperatures					
Circulation Stopped		Time			
Logger On Bottom		Time			
Unit Number		Location			
Recorded By					
Witnessed By					

OTHER SERVICES1	OTHER SERVICES2
OS1: None	OS1:
OS2:	OS2:
OS3:	OS3:
OS4:	OS4:
OS5:	OS5:
REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
This is the first run in hole.	
Tool run as per tool sketch.	
Data may be affected by hole rugosity.	

[illegible]

Induction
Temperatu
Power Sup

7.9

SP SENSOR
HTEN HMAS
Accelerom HV
Mud Resis
Tension

0.1

0.0

TOOL ZERO

MAXIMUM STRING DIAMETER 4.63 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN FEET

Production String

(in)

(ft)

OD

ID

MD

Well Schematic

(ft)

(in)

MD

OD

ID

Casing String

0.0

7.000

6.538

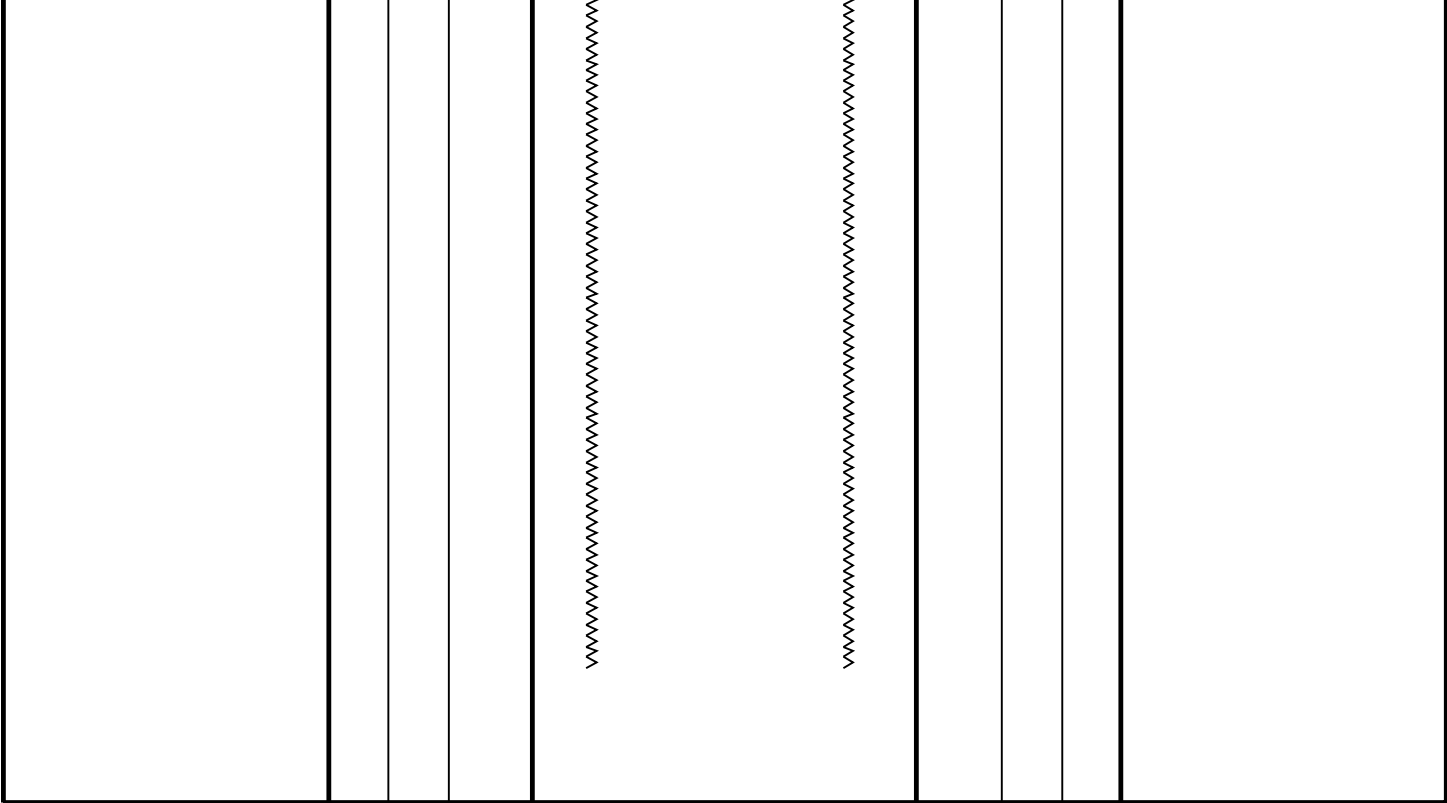
Casing String

483.0
483.0

7.000
6.250

6.538

Casing Shoe
Borehole Segment



All Depths are Drillers

Schlumberger

COMBO LOG 2" = 100'

MAXIS Field Log

Output DLIS Files

DEFAULT AIT_TLD_MCFL_CNL_007LUP FN:6 PRODUCER 21-Dec-2010 01:46 2790.0 FT 440.5 FT

Integrated Hole/Cement Volume Summary

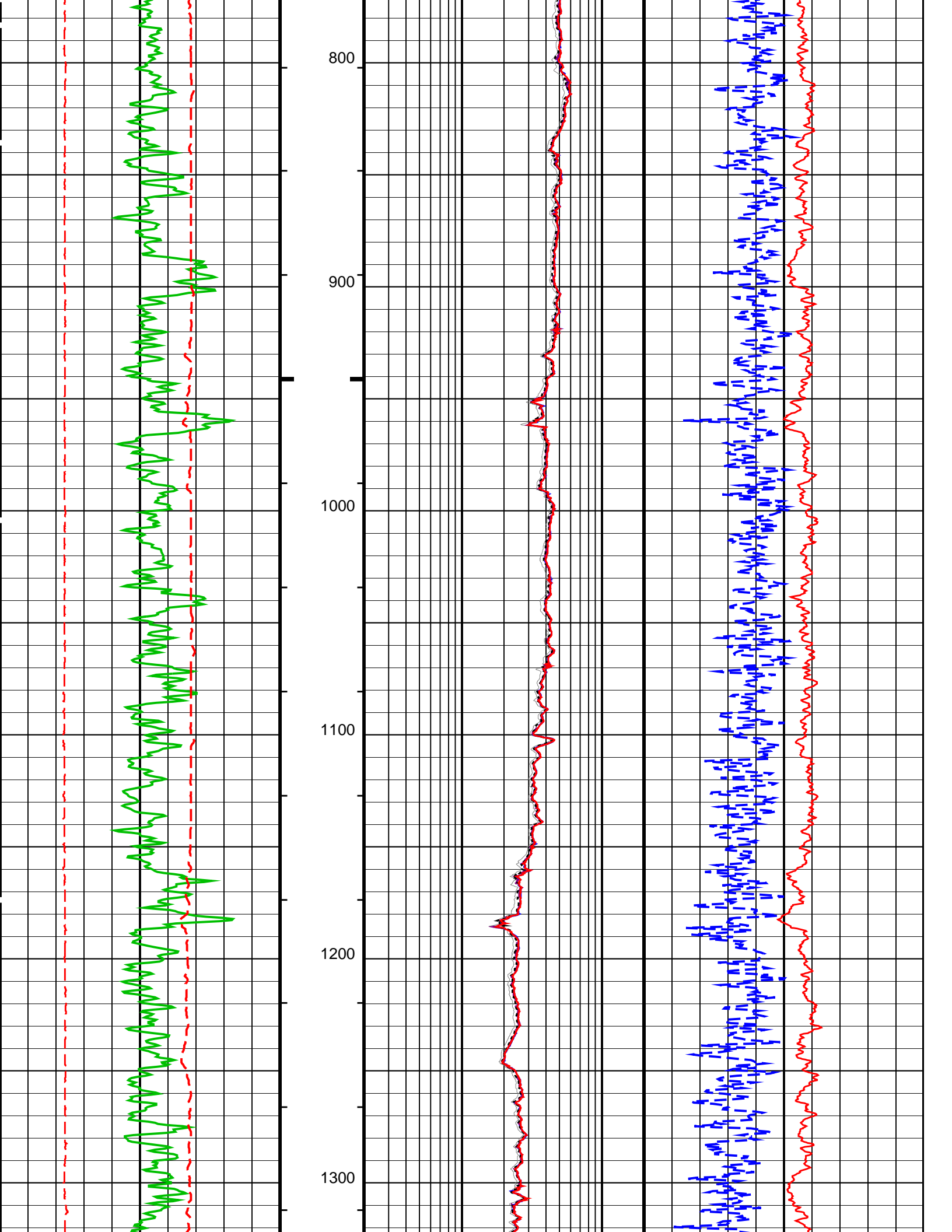
Hole Volume = 498.61 F3
Cement Volume = 498.61 F3 (assuming 0.00 IN casing O.D.)
Computed from 2784.0 FT to 486.0 FT using data channel(s) HCAL

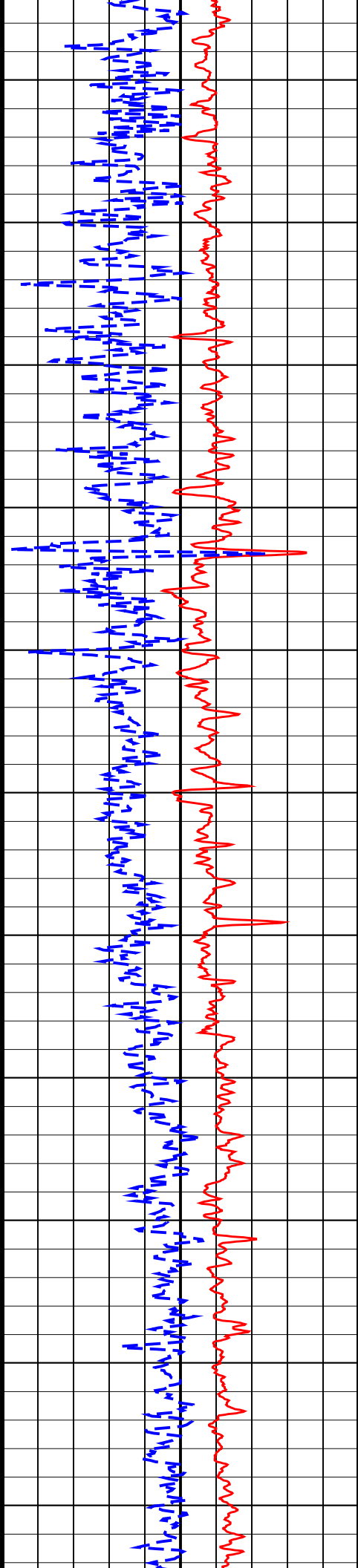
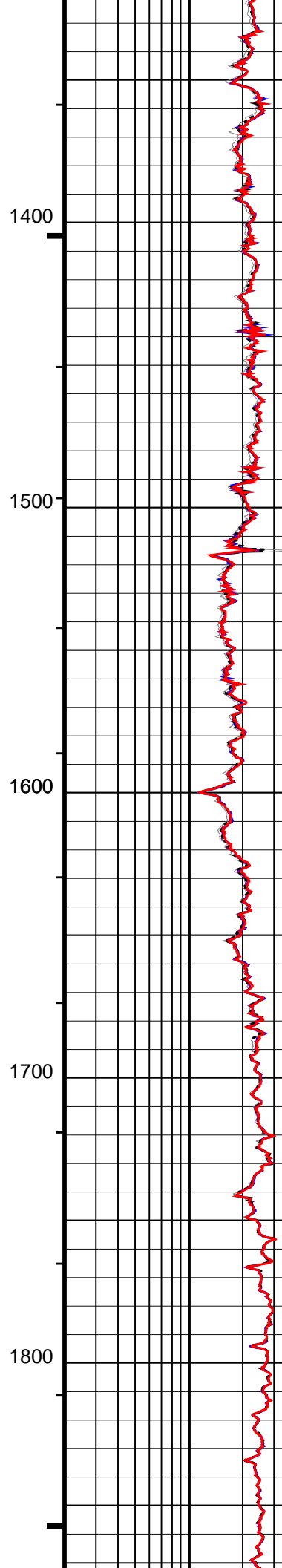
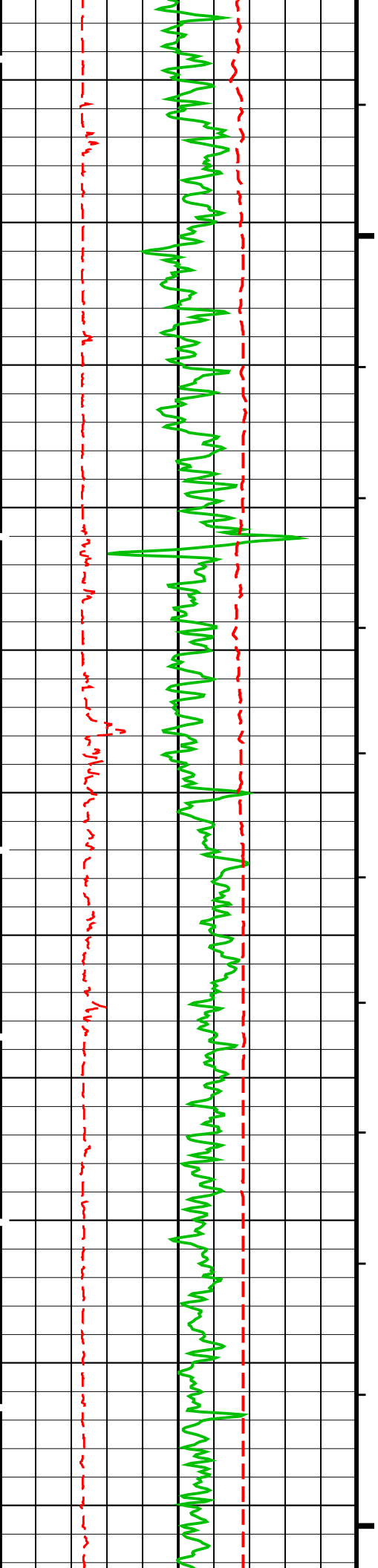
OP System Version: 18C0-147

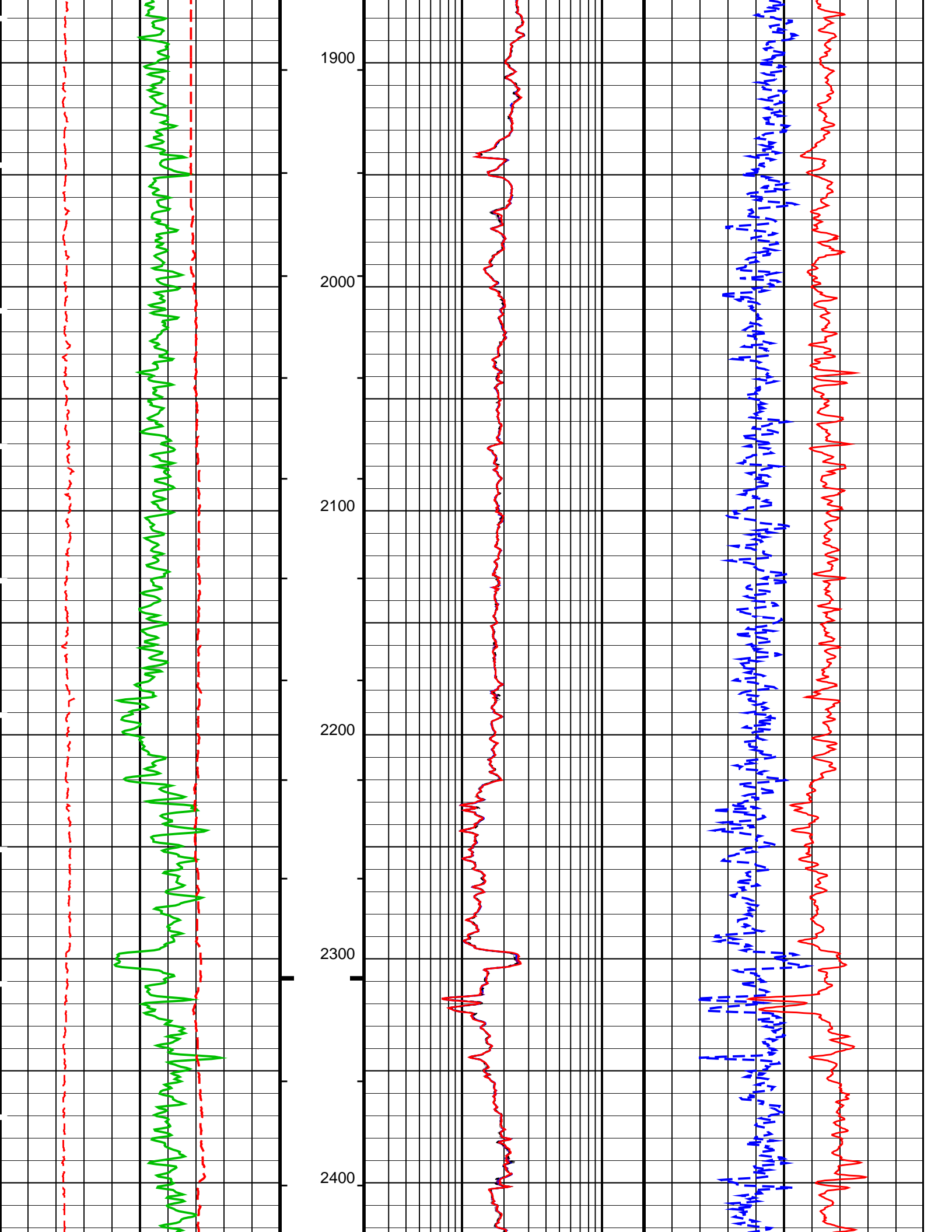
HILTB-CTS 18C0-147

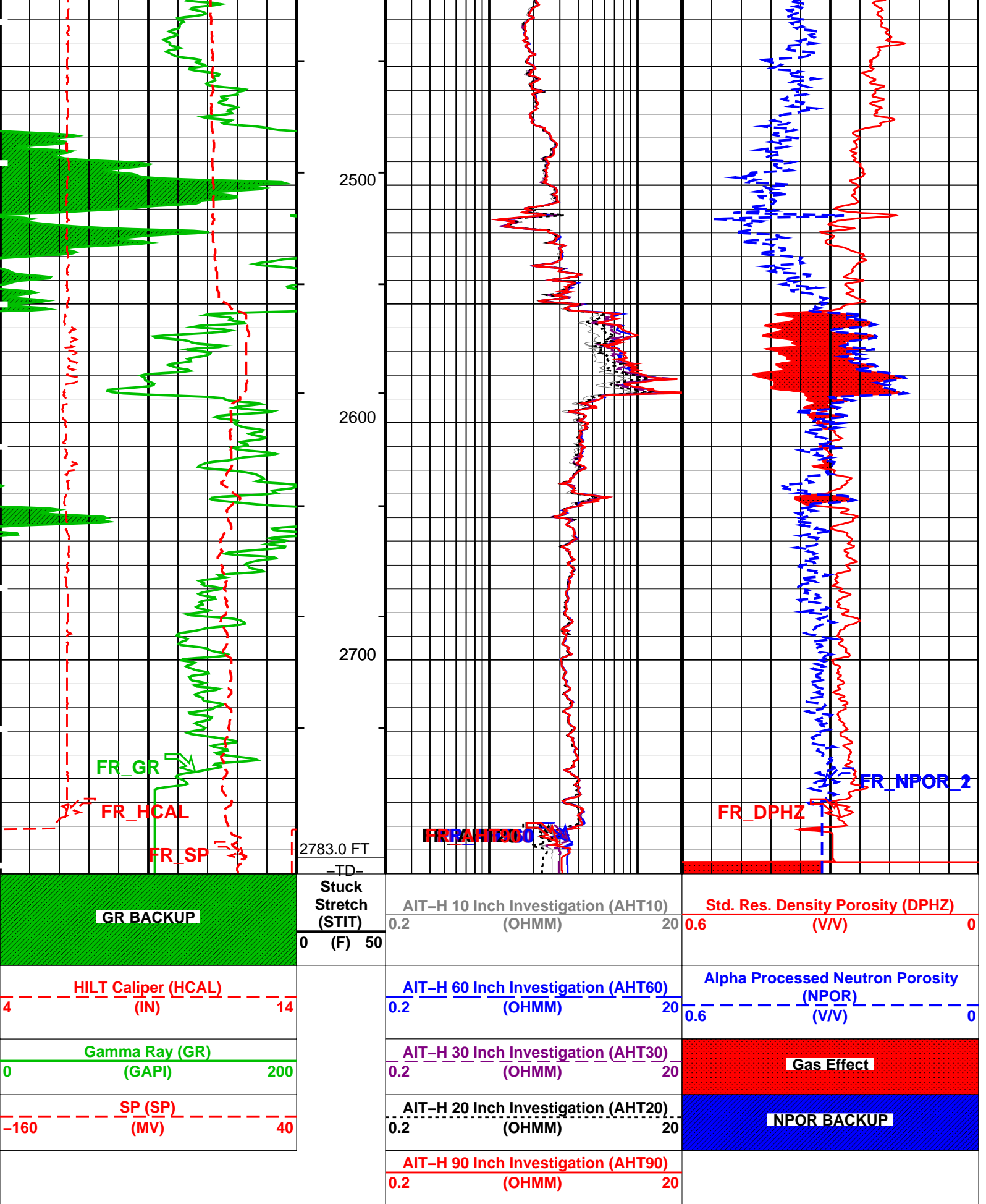
Changed Parameter Summary

DLIS Name	New Value	Previous Value	Depth & Time
TDL	2783.00 FT	2784.00 FT	2006.5 02:00:00
<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>Time Mark Every 60 S</div> </div>			
<div>AIT-H 90 Inch Investigation (AHT90)</div> <div>0.2 (OHMM) 20</div>			
<div>AIT-H 20 Inch Investigation (AHT20)</div> <div>0.2 (OHMM) 20</div>		NPOR BACKUP	
<div>AIT-H 30 Inch Investigation (AHT30)</div> <div>0.2 (OHMM) 20</div>		Gas Effect	
<div>AIT-H 60 Inch Investigation (AHT60)</div> <div>0.2 (OHMM) 20</div>		Alpha Processed Neutron Porosity (NPOR) (V/V) 0.6 0	
<div>AIT-H 10 Inch Investigation (AHT10)</div> <div>0.2 (OHMM) 20</div>		Std. Res. Density Porosity (DPHZ) (V/V) 0.6 0	
<div>SP (SP) (MV) -160 40</div> <div>Gamma Ray (GR) (GAPI) 0 200</div> <div>HILT Caliper (HCAL) (IN) 4 14</div> <div>GR BACKUP</div>	<div>Stuck Stretch (STIT) 0 (F) 50</div>		
<div>486.0 FT -CSG-500</div> <div>600</div> <div>700</div>			









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

Parameters

DLIS Name	Description	Value	
HILTB-CTS: High resolution Integrated Logging Tool-CTS			
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	0.125	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)	144	DEGF
BSCO	Borehole Salinity Correction Option	NO	
CCCO	Casing & Cement Thickness Correction Option	NO	
DHC	Density Hole Correction	BS	
FD	Fluid Density	1	G/C3
FEXP	Form Factor Exponent	2	
FNUM	Form Factor Numerator	1	
FSAL	Formation Salinity	-50000	PPM
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	DEG
GGRD	Geothermal Gradient	0.01	DF/F
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	LIMESTONE	
MCCO	Mud Cake Correction Option	NO	
MCOR	Mud Correction	NATU	
MDEN	Matrix Density	2.71	G/C3
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	IN
PTCO	Pressure/Temperature Correction Option	NO	
SDAT	Standoff Data Source	SOCN	
SHT	Surface Hole Temperature	68	DEGF
SOCN	Standoff Distance	0.125	IN
SOCO	Standoff Correction Option	YES	
SPNV	SP Next Value	0	MV
FEQL: Formation Evaluation Quick Look			
FEXP	Form Factor Exponent	2	
FNUM	Form Factor Numerator	1	
HOLEV: Integrated Hole/Cement Volume			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	144	DEGF
FCD	Future Casing (Outer) Diameter	0	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	AUTOMATIC	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
SHT	Surface Hole Temperature	68	DEGF
PERT: Preliminary Evaluation - Real Time			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	144	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	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
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	System and Miscellaneous	2783.00	FT
TDL	Bit Size	2784.00	FT
	Borehole Salinity	6.250	IN
BS	Current Casing Size	-50000.00	PPM
BSAL	Casing Weight	7.000	IN
CSIZ	Drilling Fluid Density	17.00	LB/F
CWEI	Depth Offset for Repeat Analysis	8.70	LB/G
DFD	Fluid Level	0.0	FT
DORL	Mud Sample Temperature	-50000.00	FT
FLEV	Resistivity of Mud Filtrate Sample	53.95	DEGF
MST	Total Depth	0.1402	OHMM
RMFS		2784	FT
TD			

Format: COMBO_LOG_S2

Vertical Scale: 2" per 100'

Graphics File Created: 21-Dec-2010 01:46

OP System Version: 18C0-147

HILTB-CTS

18C0-147

Output DLIS Files


DEFAULT

AIT_TLD_MCFL_CNL_007LUP

FN:6

PRODUCER

21-Dec-2010 01:46



COMBO LOG 5" = 100'

MAXIS Field Log

Output DLIS Files

DEFAULT

AIT_TLD_MCFL_CNL_007LUP

FN:6

PRODUCER

21-Dec-2010 01:46

2790.0 FT

440.5 FT

Integrated Hole/Cement Volume Summary

Hole Volume = 498.61 F3

Cement Volume = 498.61 F3 (assuming 0.00 IN casing O.D.)

Computed from 2784.0 FT to 486.0 FT using data channel(s) HCAL

OP System Version: 18C0-147

HILTB-CTS

18C0-147

Changed Parameter Summary

DLIS Name	New Value	Previous Value	Depth & Time
TDL	2783.00 FT	2784.00 FT	2006.5 02:00:00

PIP SUMMARY

Integrated Hole Volume Minor Pip Every 10 F3

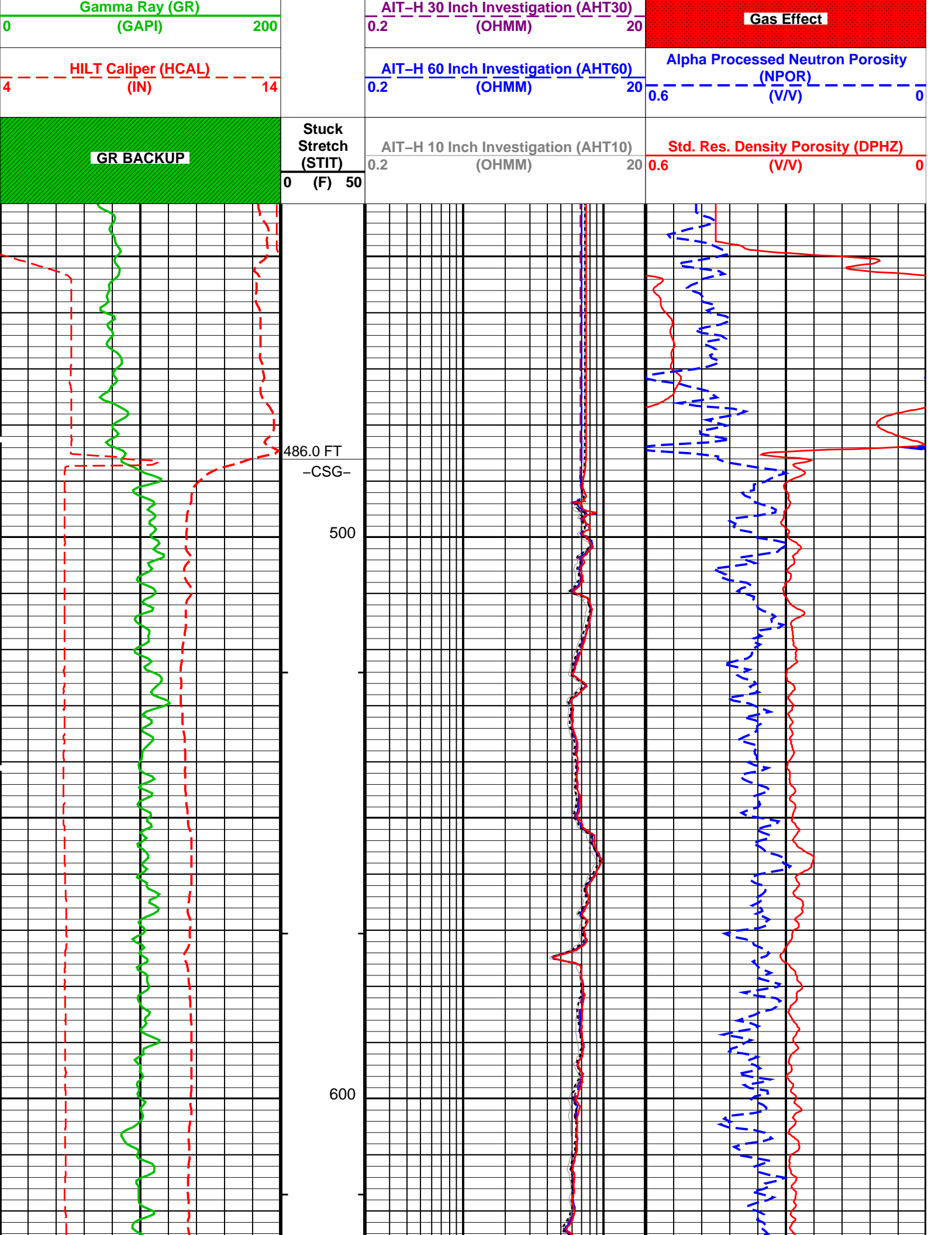
Integrated Hole Volume Major Pip Every 100 F3

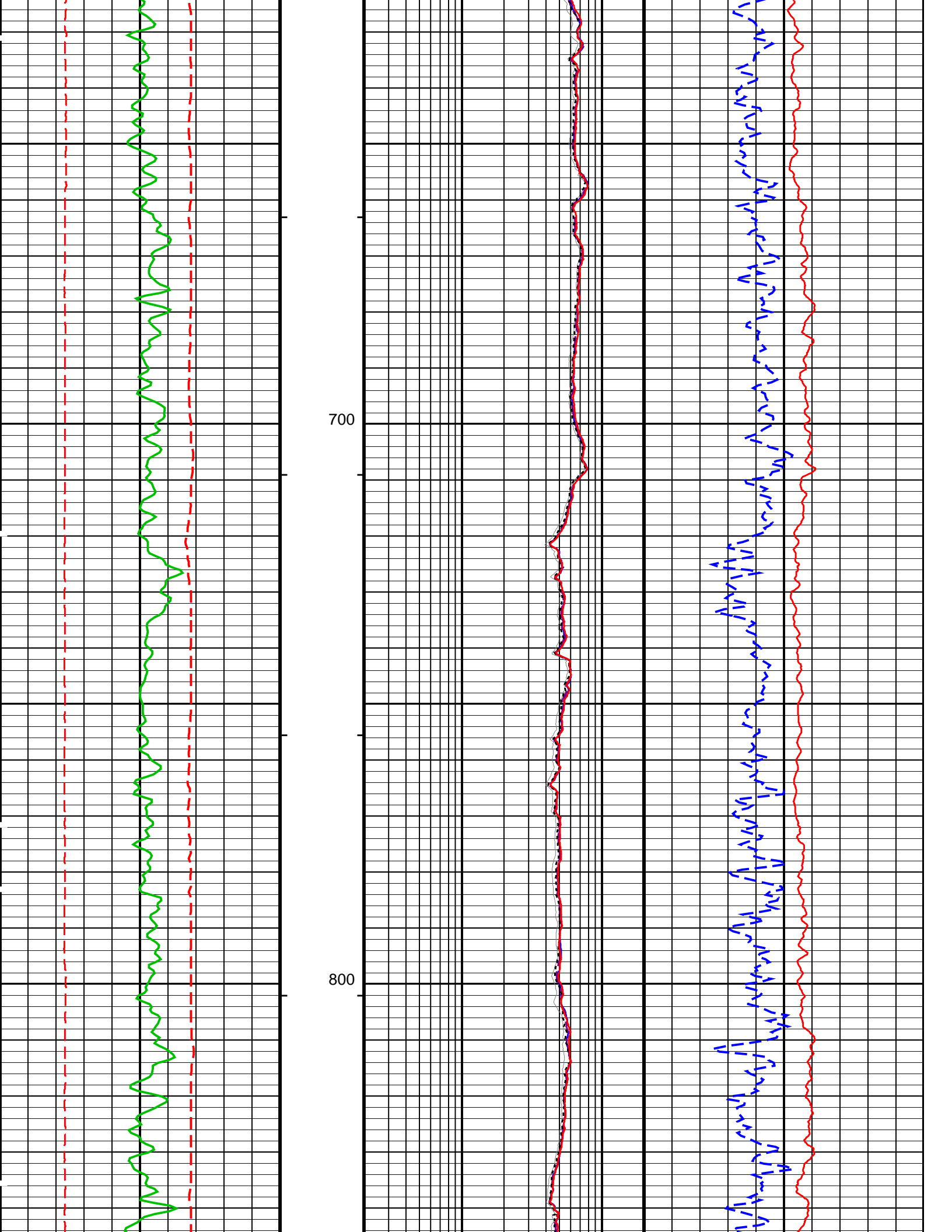
Integrated Cement Volume Minor Pip Every 10 F3

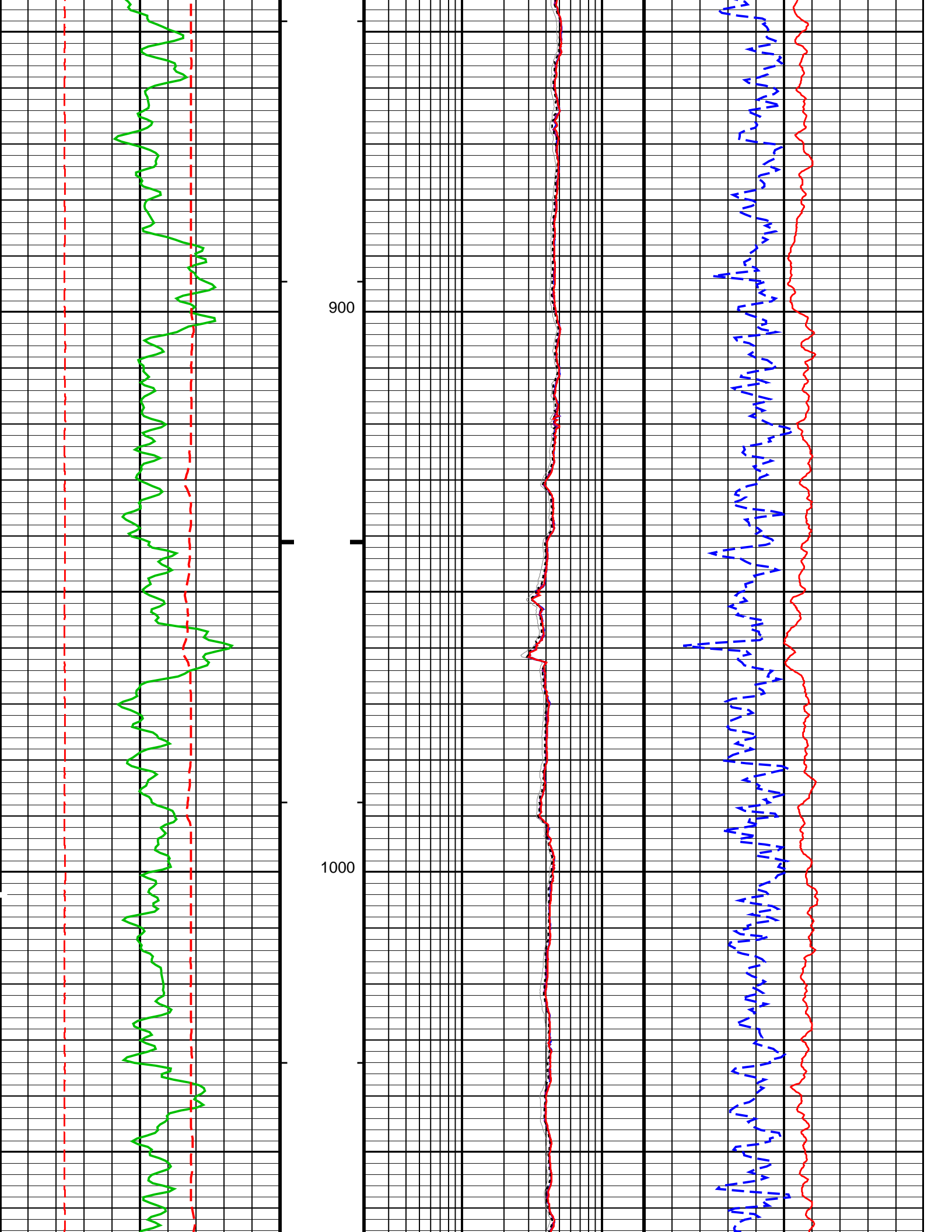
Integrated Cement Volume Major Pip Every 100 F3

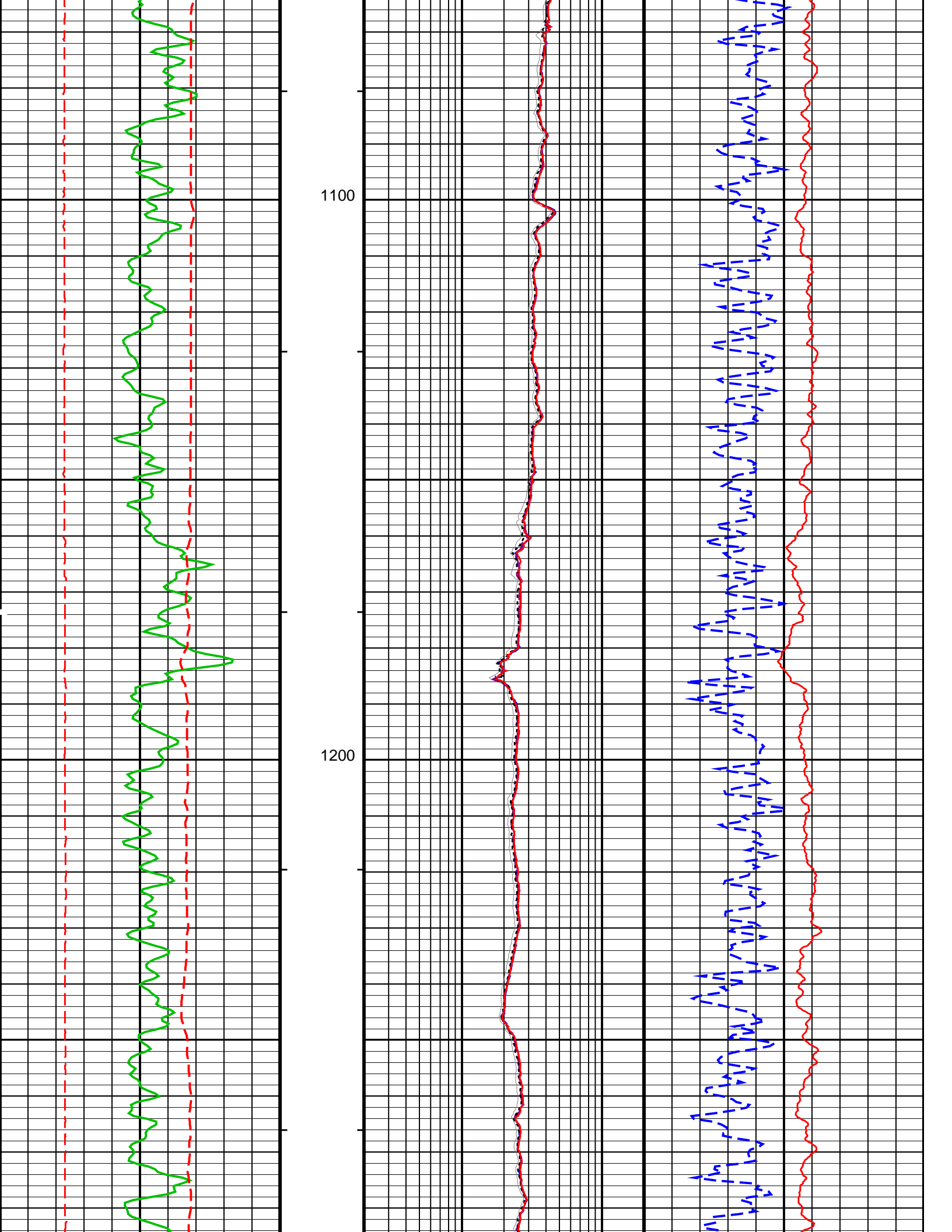
Time Mark Every 60 S

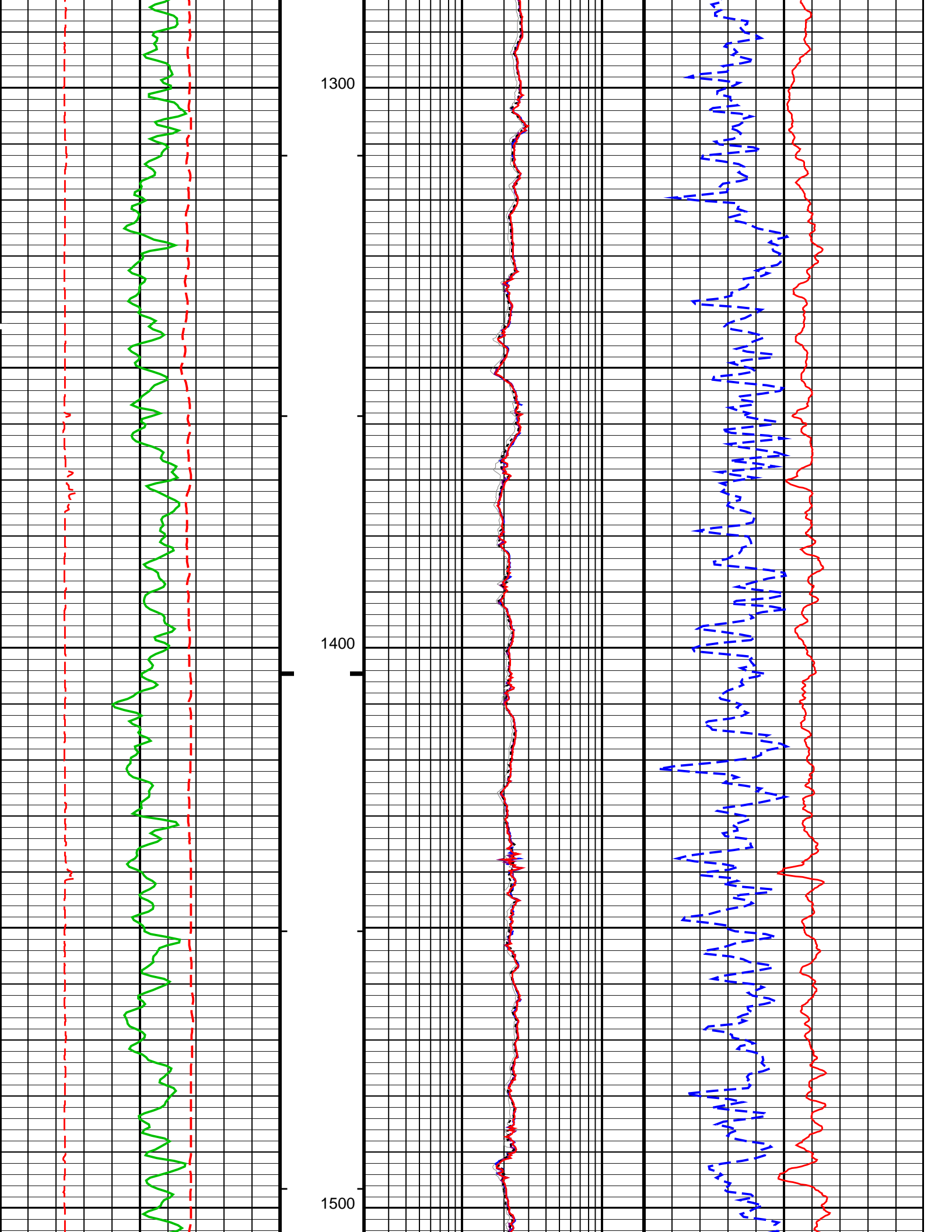
<div> <div>SP (SP)</div> <div>(MV)</div> </div> <div> <div>-160</div> <div>40</div> </div>	<div>AIT-H 90 Inch Investigation (AHT90)</div> <div>0.2 (OHMM) 20</div>	<div>NPOR BACKUP</div>
	<div>AIT-H 20 Inch Investigation (AHT20)</div> <div>0.2 (OHMM) 20</div>	

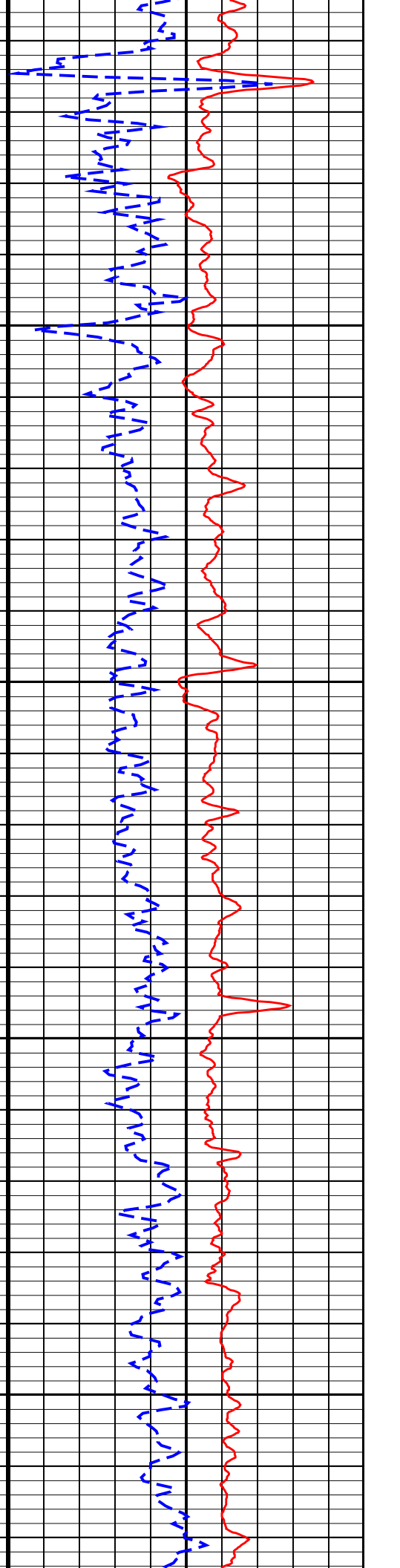
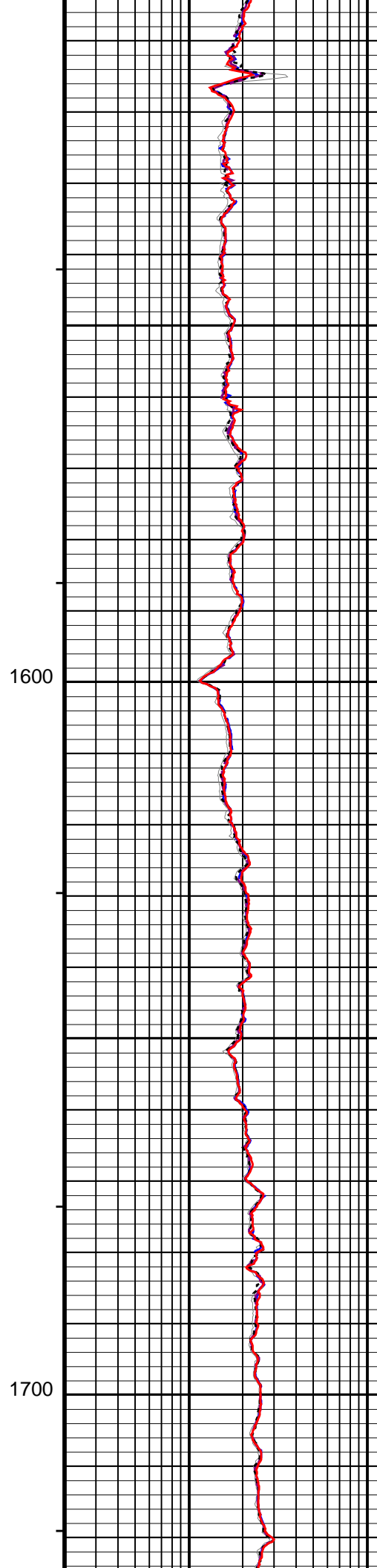
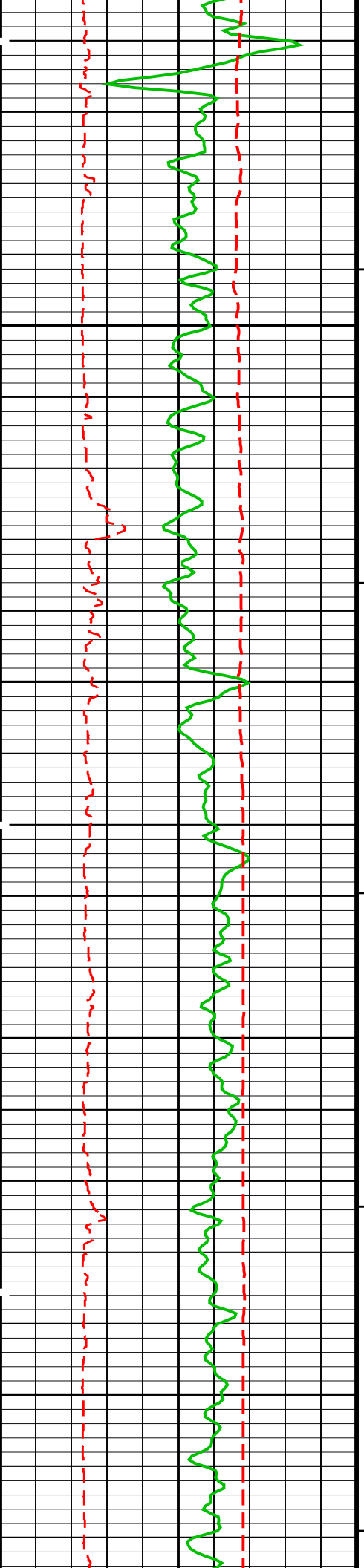


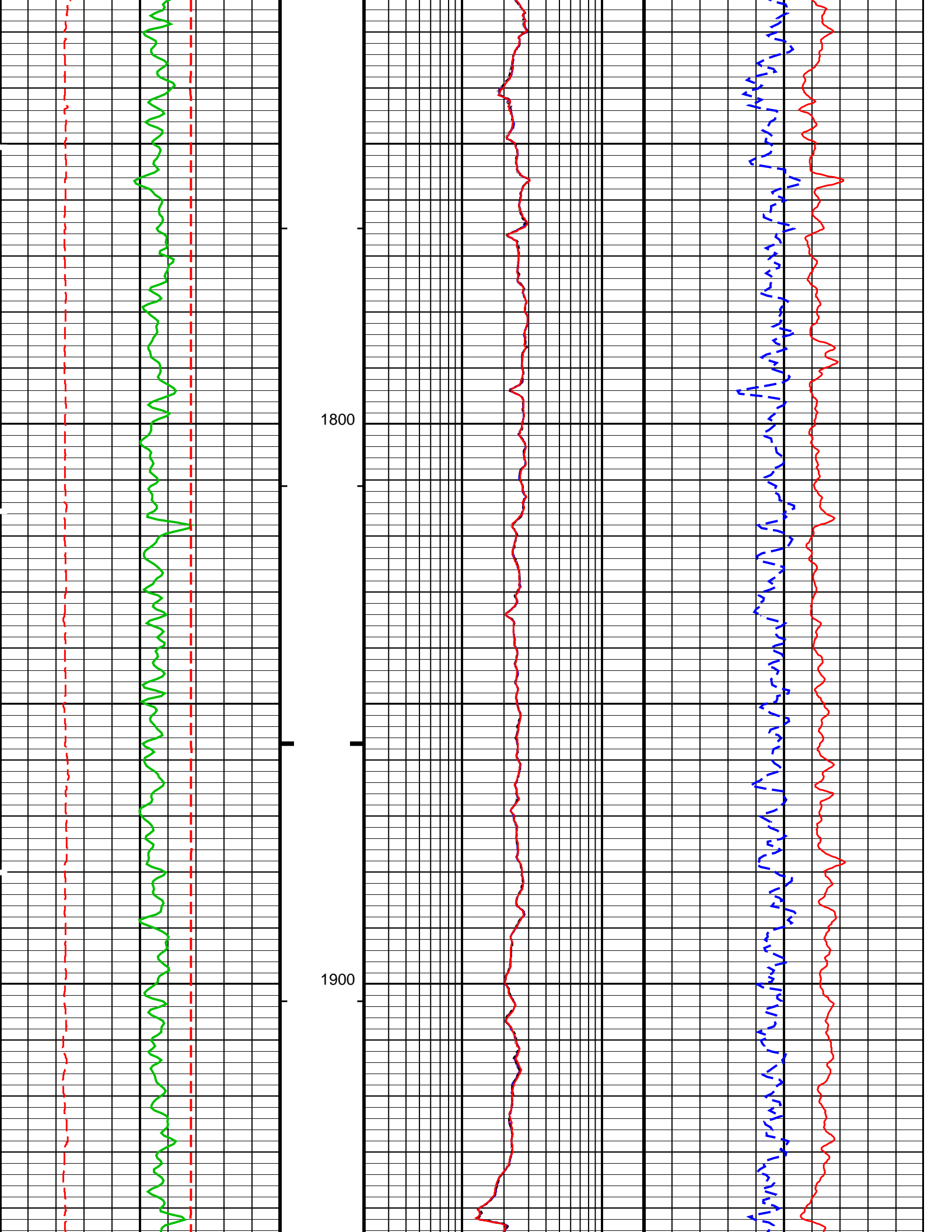


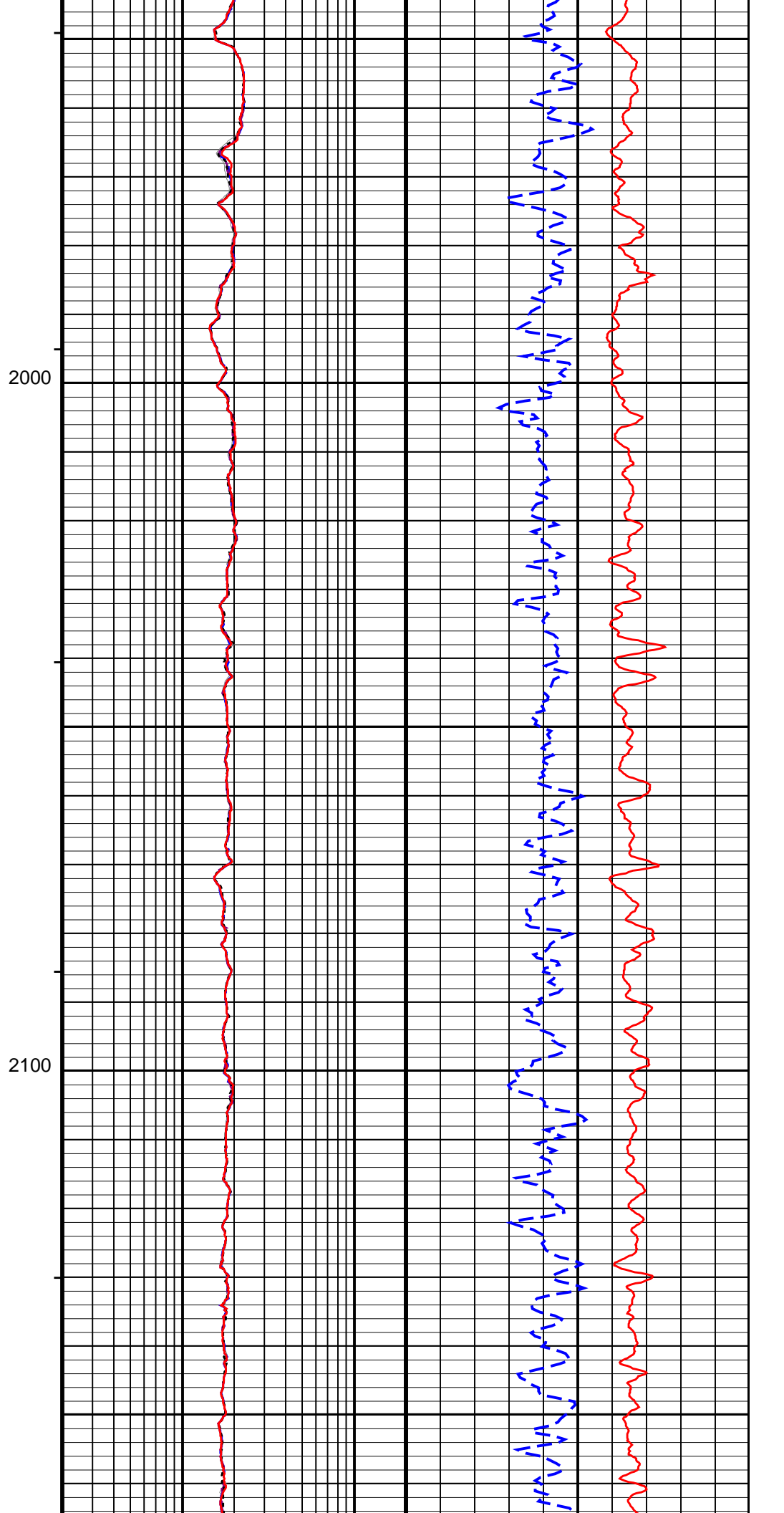
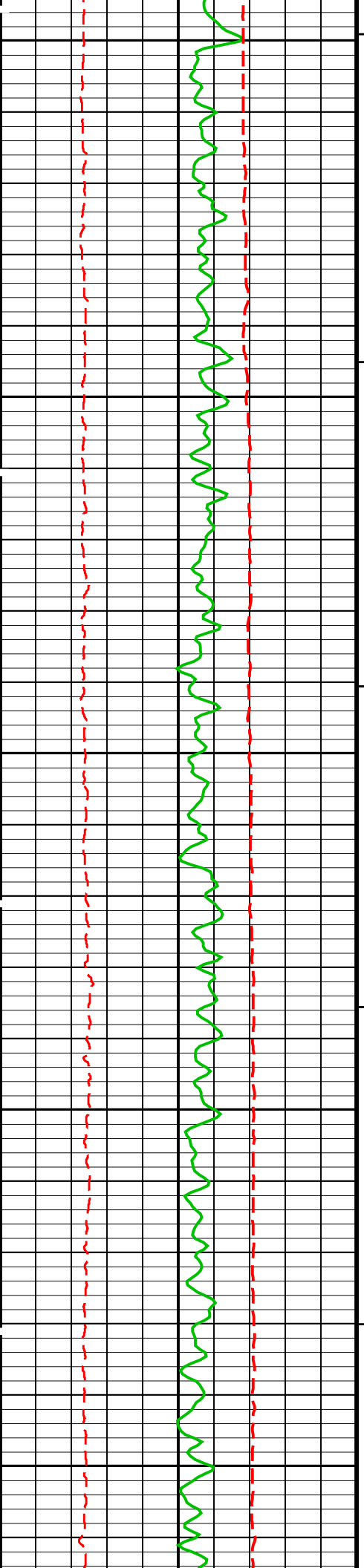


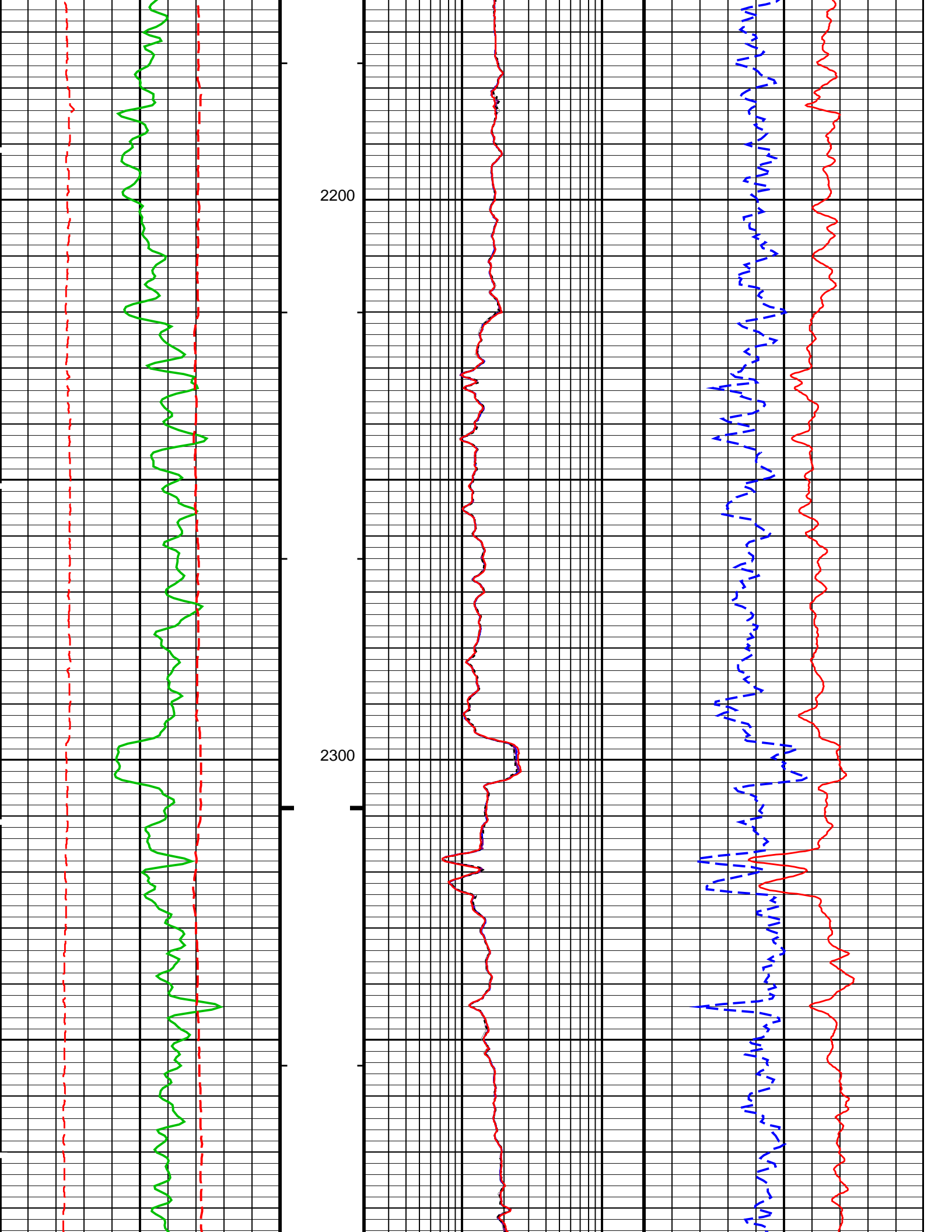


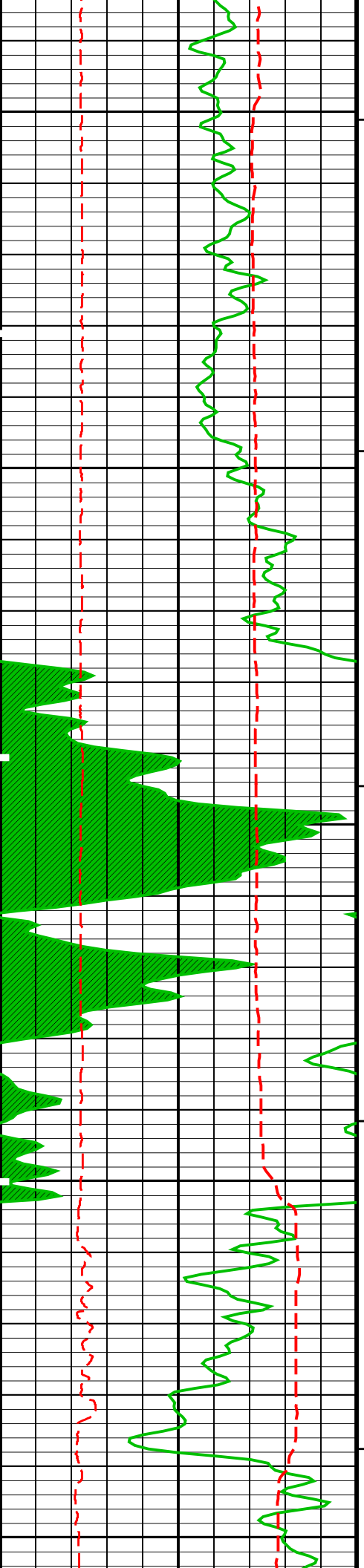








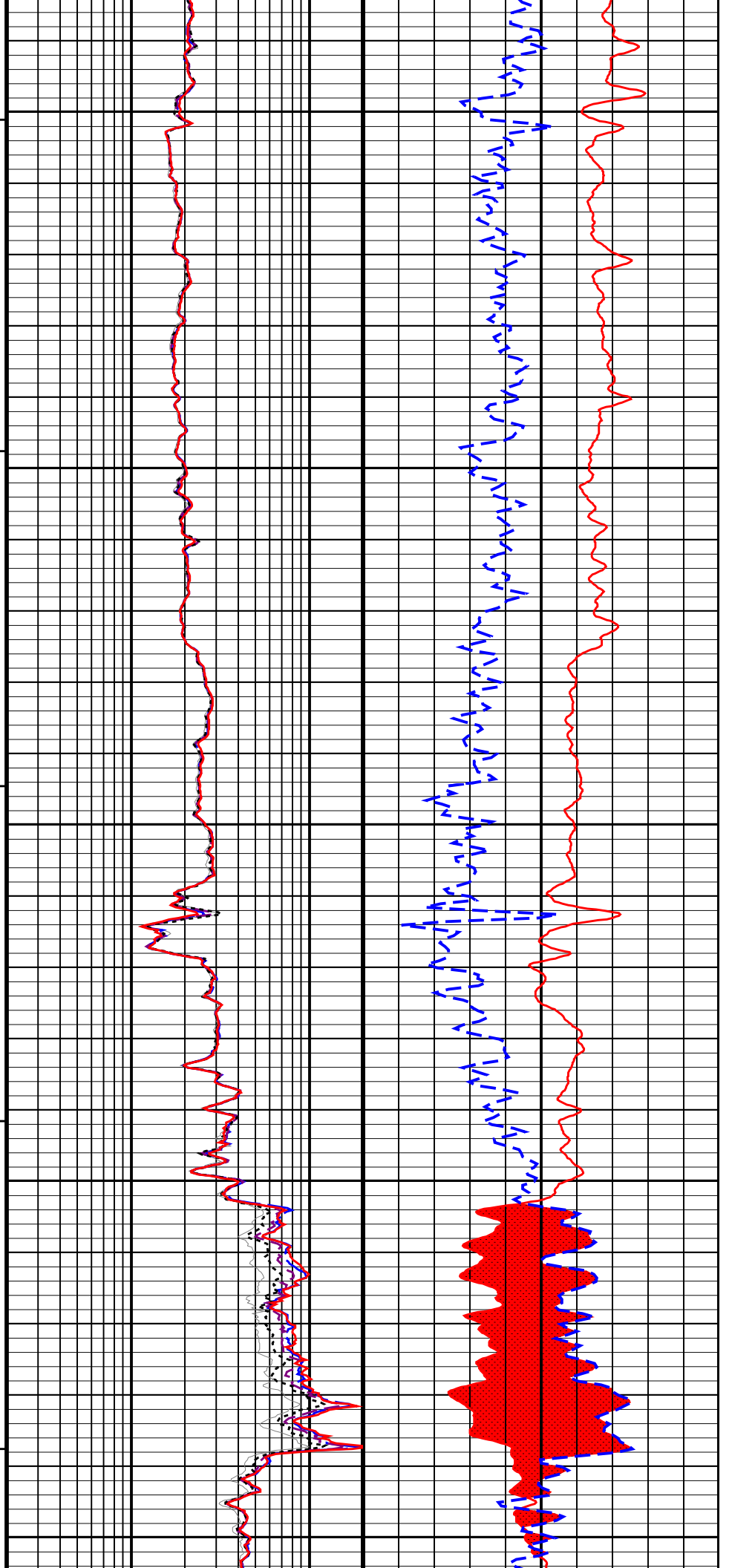


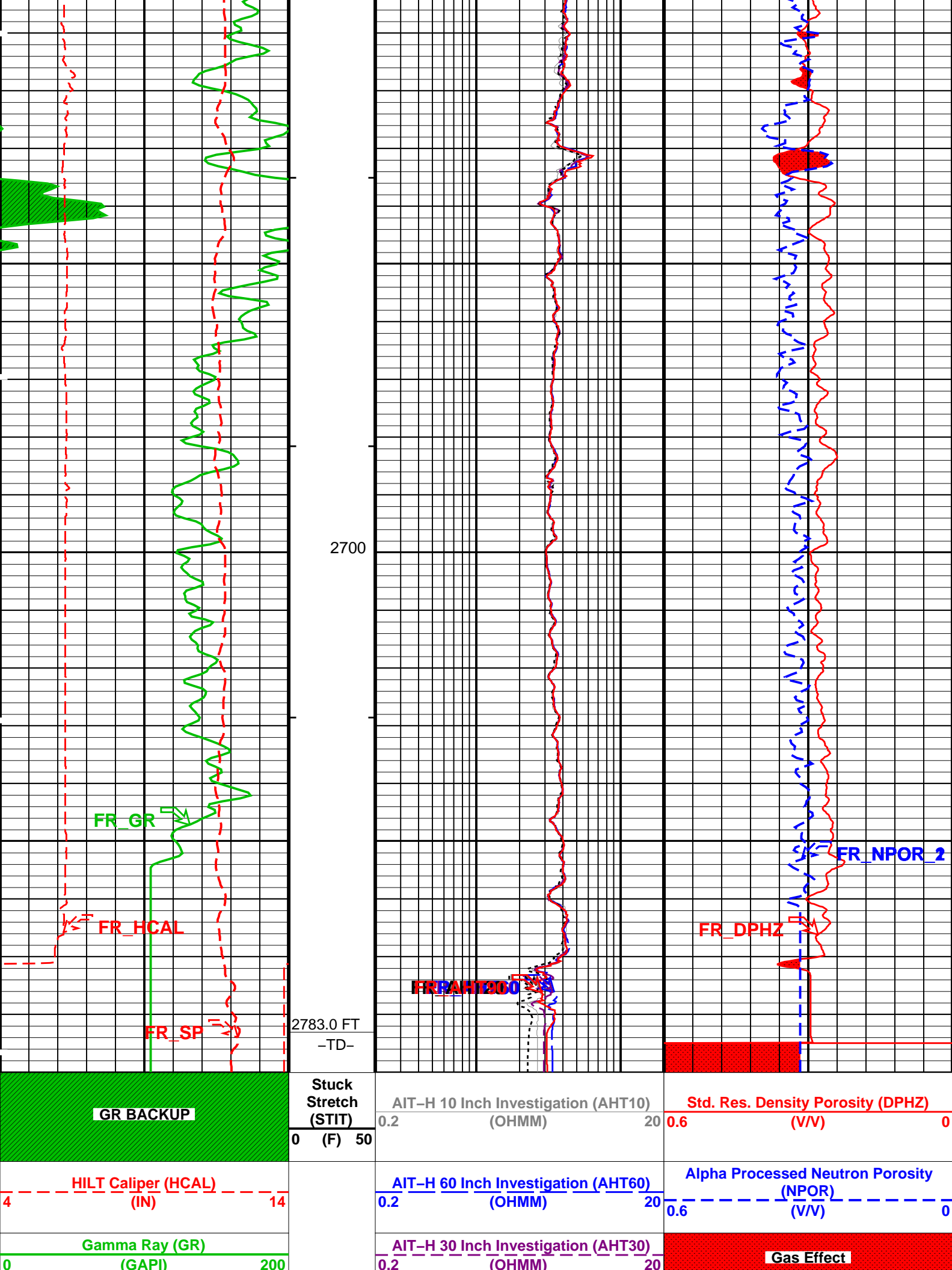


2400

2500

2600





-160	SP (SP) (MV)	40
AIT-H 20 Inch Investigation (AHT20)		
0.2	(OHMM)	20
AIT-H 90 Inch Investigation (AHT90)		
0.2	(OHMM)	20
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-CTS: High resolution Integrated Logging Tool-CTS		
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	0.125 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)	144 DEGF
BSCO	Borehole Salinity Correction Option	NO
CCCO	Casing & Cement Thickness Correction Option	NO
DHC	Density Hole Correction	BS
FD	Fluid Density	1 G/C3
FEXP	Form Factor Exponent	2
FNUM	Form Factor Numerator	1
FSAL	Formation Salinity	-50000 PPM
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 DEG
GGRD	Geothermal Gradient	0.01 DF/F
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	LIMESTONE
MCCO	Mud Cake Correction Option	NO
MCOR	Mud Correction	NATU
MDEN	Matrix Density	2.71 G/C3
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 IN
PTCO	Pressure/Temperature Correction Option	NO
SDAT	Standoff Data Source	SOCN
SHT	Surface Hole Temperature	68 DEGF
SOCN	Standoff Distance	0.125 IN
SOCO	Standoff Correction Option	YES
SPNV	SP Next Value	0 MV
FEQL: Formation Evaluation Quick Look		
FEXP	Form Factor Exponent	2
FNUM	Form Factor Numerator	1
HOLEV: Integrated Hole/Cement Volume		
BHS	Borehole Status	OPEN
BHT	Bottom Hole Temperature (used in calculations)	144 DEGF
FCD	Future Casing (Outer) Diameter	0 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	AUTOMATIC
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE
SHT	Surface Hole Temperature	68 DEGF


PERT: Preliminary Evaluation – Real Time			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	144	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	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
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	2783.00	FT
TDL	Total Depth – Logger	2784.00	FT
System and Miscellaneous			
BS	Bit Size	6.250	IN
BSAL	Borehole Salinity	–50000.00	PPM
CSIZ	Current Casing Size	7.000	IN
CWEI	Casing Weight	17.00	LB/F
DFD	Drilling Fluid Density	8.70	LB/G
DORL	Depth Offset for Repeat Analysis	0.0	FT
FLEV	Fluid Level	–50000.00	FT
MST	Mud Sample Temperature	53.95	DEGF
RMFS	Resistivity of Mud Filtrate Sample	0.1402	OHMM
TD	Total Depth	2784	FT

Format: COMBO_LOG

Vertical Scale: 5" per 100'

Graphics File Created: 21–Dec–2010 01:46

OP System Version: 18C0–147				
HILTB–CTS	18C0–147			
Output DLIS Files				
DEFAULT	AIT_TLD_MCFL_CNL_007LUP	FN:6	PRODUCER	21–Dec–2010 01:46



REPEAT ANALYSIS

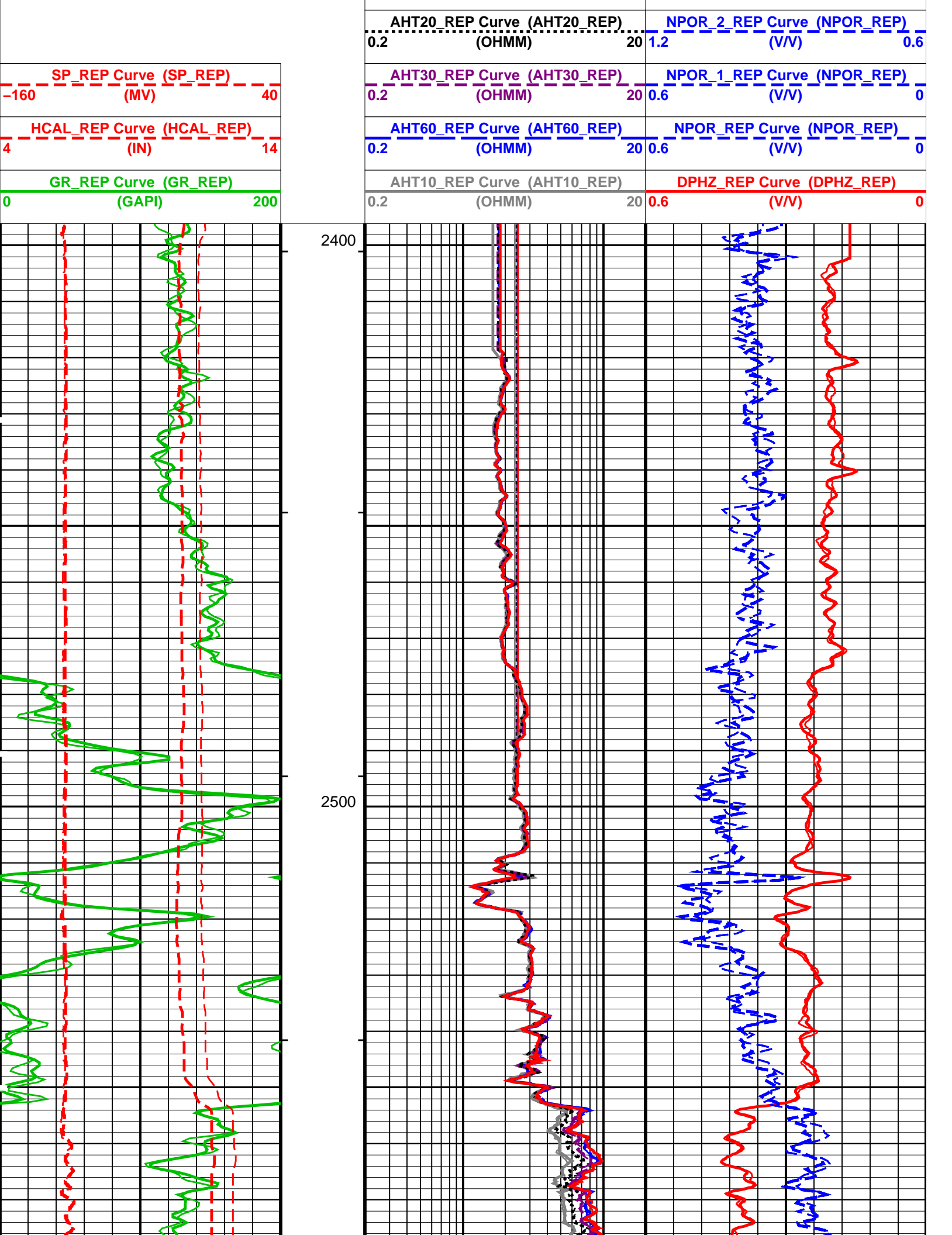
MAXIS Field Log

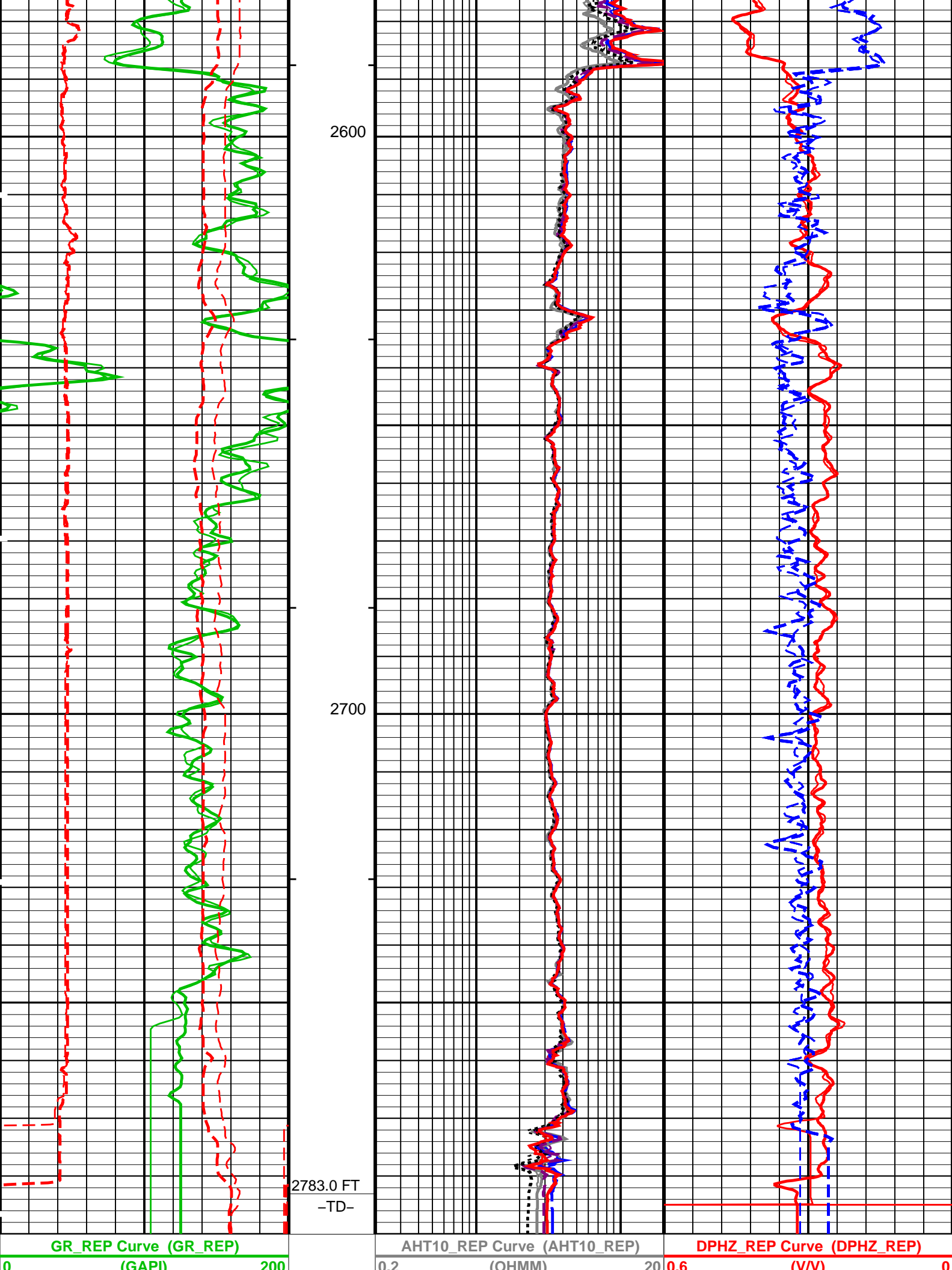
Input DLIS Files						
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Output DLIS Files						
DEFAULT	AIT_TLD_MCFL_CNL_007LUP	FN:6	PRODUCER	21–Dec–2010 01:46		

OP System Version: 18C0–147	
HILTB–CTS	18C0–147

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

AHT90_REP Curve (AHT90_REP)		
0.2	(OHMM)	20





<div> <div> <div>HCAL_REP Curve (HCAL_REP)</div> <div>(IN)</div> </div> <div> <div>SP_REP Curve (SP_REP)</div> <div>(MV)</div> </div> </div>	4	14	0.2	AHT60_REP Curve (AHT60_REP)	(OHMM)	20	0.6	NPOR_REP Curve (NPOR_REP)	(V/V)	0
	-160	40	0.2	AHT30_REP Curve (AHT30_REP)	(OHMM)	20	0.6	NPOR_1_REP Curve (NPOR_REP)	(V/V)	0
			0.2	AHT20_REP Curve (AHT20_REP)	(OHMM)	20	1.2	NPOR_2_REP Curve (NPOR_REP)	(V/V)	0.6
			0.2	AHT90_REP Curve (AHT90_REP)	(OHMM)	20				
<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> <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>										

Parameters			
DLIS Name	Description	Value	
HILTB-CTS: High resolution Integrated Logging Tool-CTS			
AHBHM	Array Induction Borehole Correction Mode	2_ComputeStandoff	
AHBHV	Array Induction Borehole Correction Code Version Number	900	
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AHCDE	Array Induction Casing Detection Enable	Yes	
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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	0.125	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)	144	DEGF
BSCO	Borehole Salinity Correction Option	NO	
CCCO	Casing & Cement Thickness Correction Option	NO	
DHC	Density Hole Correction	BS	
FD	Fluid Density	1	G/C3
FEXP	Form Factor Exponent	2	
FNUM	Form Factor Numerator	1	
FSAL	Formation Salinity	-50000	PPM
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	DEG
GGRD	Geothermal Gradient	0.01	DF/F
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	LIMESTONE	
MCCO	Mud Cake Correction Option	NO	
MCOR	Mud Correction	NATU	
MDEN	Matrix Density	2.71	G/C3
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	IN
PTCO	Pressure/Temperature Correction Option	NO	
SDAT	Standoff Data Source	SOCN	
SHT	Surface Hole Temperature	68	DEGF
SOCN	Standoff Distance	0.125	IN
SOCO	Standoff Correction Option	YES	
SPNV	SP Next Value	0	MV
FEQL: Formation Evaluation Quick Look			
FEXP	Form Factor Exponent	2	
FNUM	Form Factor Numerator	1	
HOLEV: Integrated Hole/Cement Volume			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	144	DEGF
FCD	Future Casing (Outer) Diameter	0	IN
GCSE	Generalized Caliper Selection	HCAL	

GCSE	Generalized Caliper Selection	HCAL	0	DEG
GDEV	Average Angular Deviation of Borehole from Normal			DF/F
GGRD	Geothermal Gradient		0.01	
GRSE	Generalized Mud Resistivity Selection	AITH_RESIST		
GTSE	Generalized Temperature Selection	HSTS_HTEM		
HVCS	Integrated Hole Volume Caliper Selection	AUTOMATIC		
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE		
SHT	Surface Hole Temperature		68	DEGF
PERT: Preliminary Evaluation – Real Time				
BHS	Borehole Status	OPEN		
BHT	Bottom Hole Temperature (used in calculations)		144	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		
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE		
SHT	Surface Hole Temperature		68	DEGF
STI: Stuck Tool Indicator				
TDL	Total Depth – Logger		2784.00	FT
System and Miscellaneous				
BS	Bit Size		6.250	IN
BSAL	Borehole Salinity		-50000.00	PPM
CSIZ	Current Casing Size		7.000	IN
CWEI	Casing Weight		17.00	LB/F
DFD	Drilling Fluid Density		8.70	LB/G
DORL	Depth Offset for Repeat Analysis		0.0	FT
FLEV	Fluid Level		-50000.00	FT
MST	Mud Sample Temperature		53.95	DEGF
RMFS	Resistivity of Mud Filtrate Sample		0.1402	OHMM
TD	Total Depth		2784	FT

Format: COMBO_LOG_REP Vertical Scale: 5" per 100' Graphics File Created: 21-Dec-2010 01:46

OP System Version: 18C0-147

HILTB-CTS 18C0-147

Input DLIS Files

DEFAULT AIT_TLD_MCFL_CNL_006PUP FN:5 PRODUCER 21-Dec-2010 01:46 2797.5 FT 2396.0 FT

Output DLIS Files

DEFAULT AIT_TLD_MCFL_CNL_007LUP FN:6 PRODUCER 21-Dec-2010 01:46

Company: **Noble Energy Inc**

Schlumberger

Well: **Nelson 41-36B**

Field: **Schramm**

County: **Yuma**

State: **Colorado**

Platform Express
Triple Combo