

# Schlumberger

Company:	Noble Energy Inc.	
Well:	RMR Ranch 13-36	
Field:	Schramm	
County:	Yuma	
		State: Colorado

Well: **RMR Ranch 13-36**  
Field: **Schramm**  
County: **Yuma**  
State: **Colorado**

Field: **Schramm**  
County: **Yuma**  
State: **Colorado**

County: **Yuma** State: **Colorado**

1

[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 the hole.	
Toolstring run as per tool sketch.	
Toolstring run without bowspring or standoffs as per client request.	
Matrix: Limestone (2.71 g/cc)	



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

Casing String

Casing Shoe  
Borehole Segment

0.0

7.000

450.0  
450.0

7.000  
6.250

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Schlumberger

COMBO LOG 2" = 100'

MAXIS Field Log

Output DLIS Files

DEFAULT      AIT\_TLD\_MCFL\_CNL\_007LUP      FN:6      PRODUCER      18-Dec-2010 21:16      2796.0 FT      419.5 FT

Integrated Hole/Cement Volume Summary

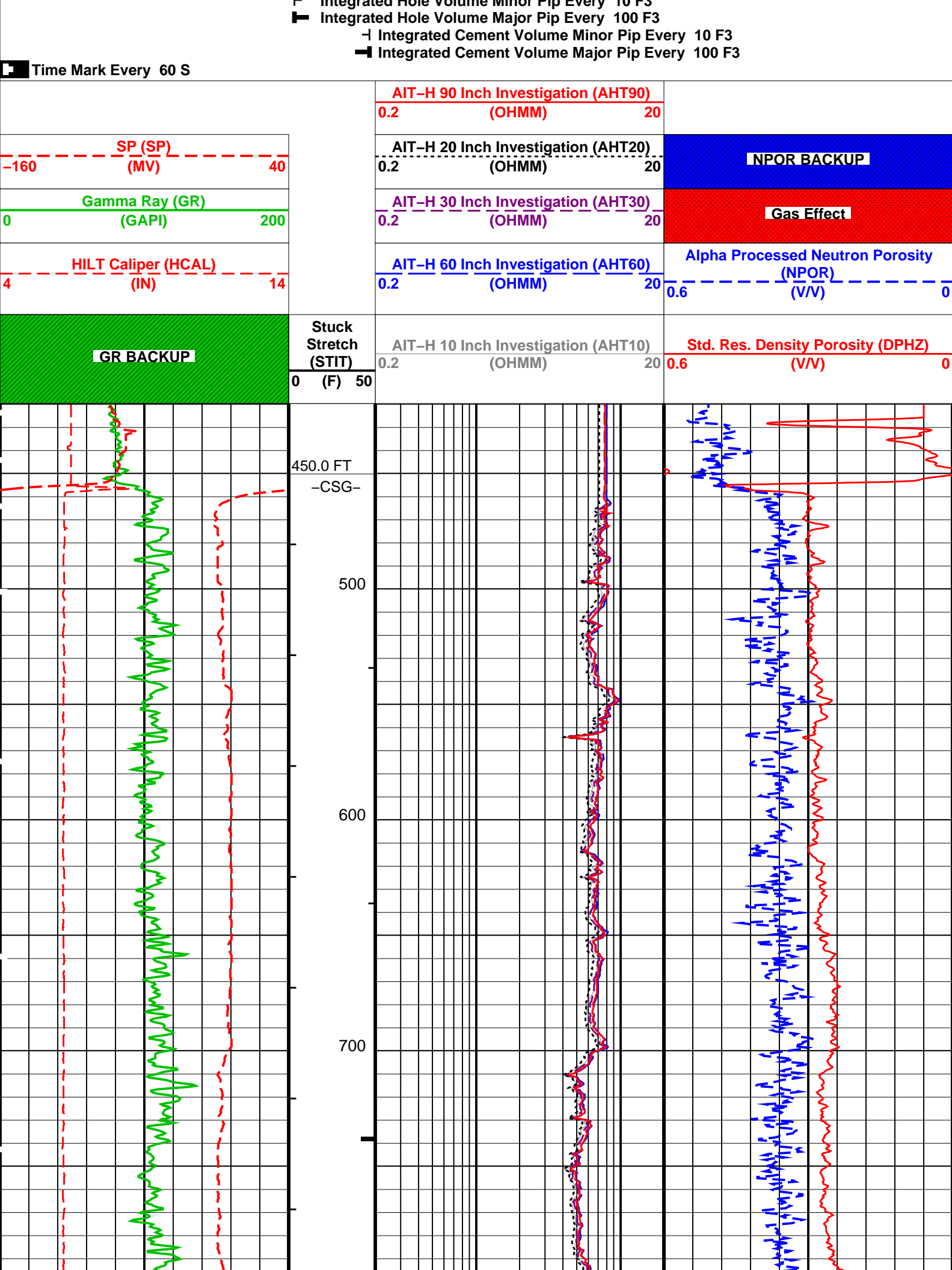
Hole Volume = 486.85 F3  
Cement Volume = 228.68 F3 (assuming 4.50 IN casing O.D.)  
Computed from 2787.0 FT to 450.0 FT using data channel(s) HCAL

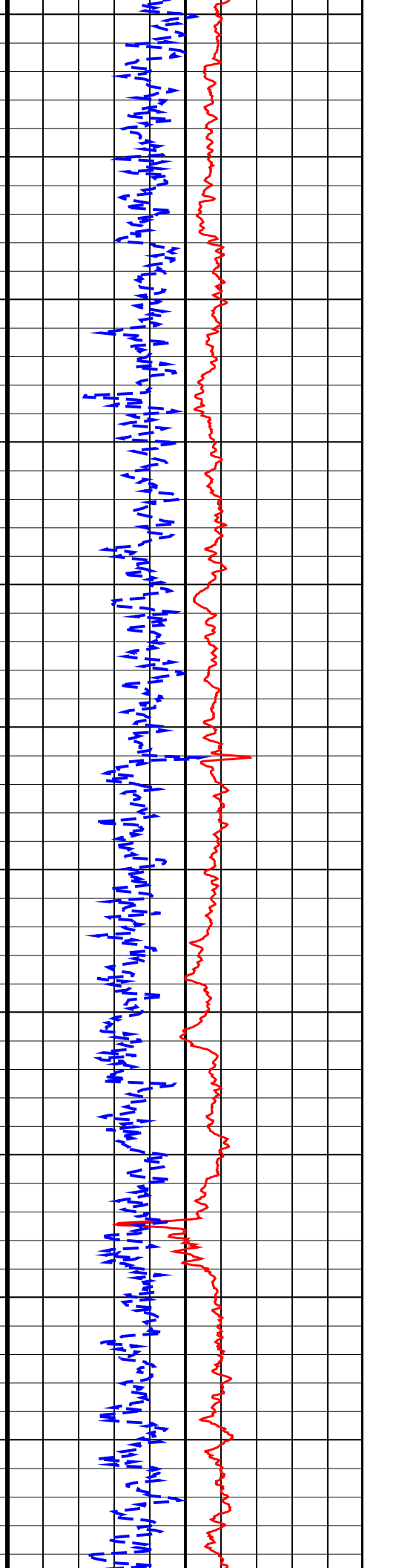
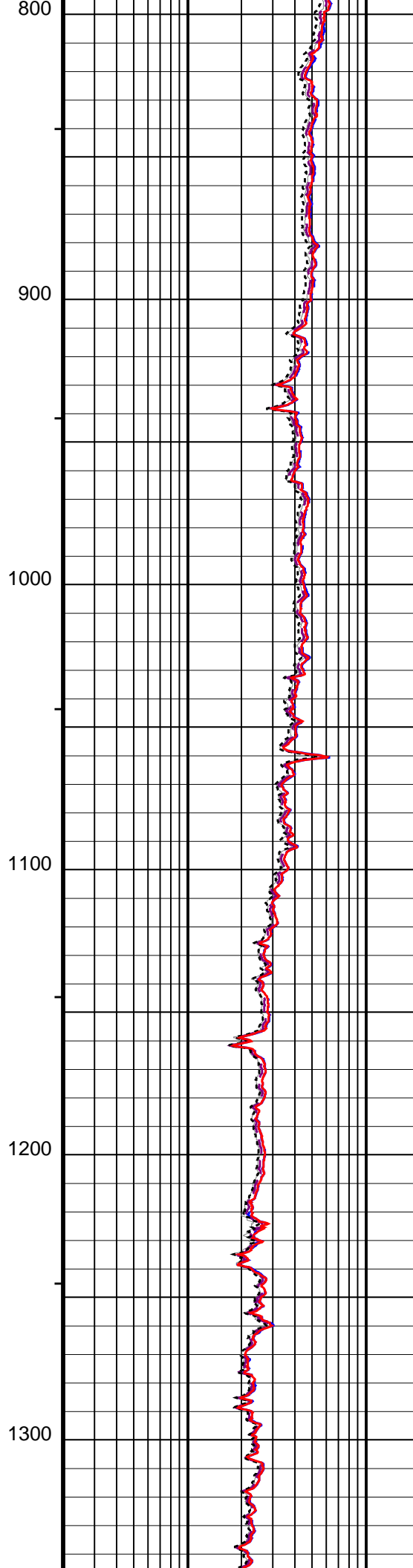
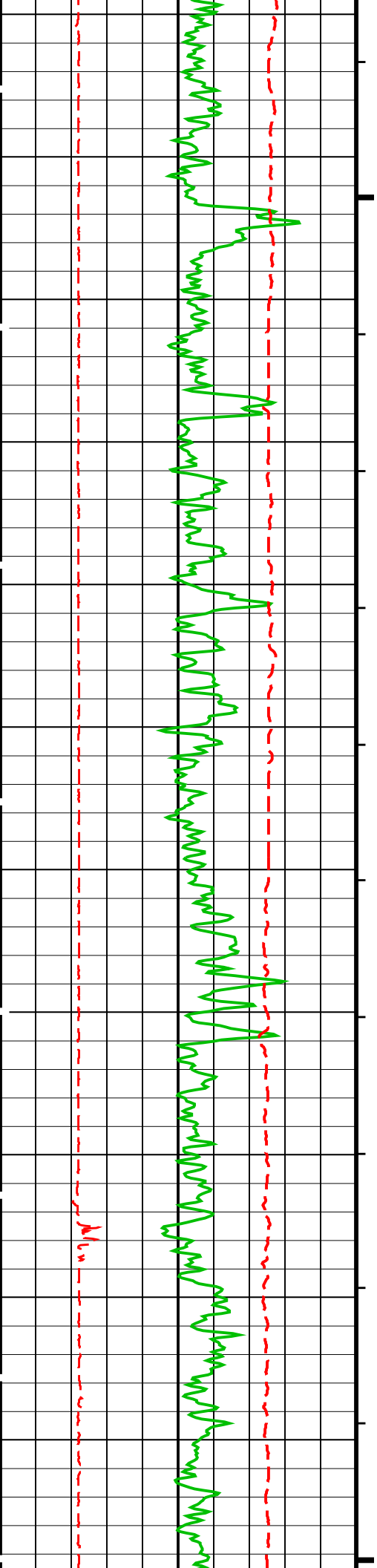
OP System Version: 18C0-147

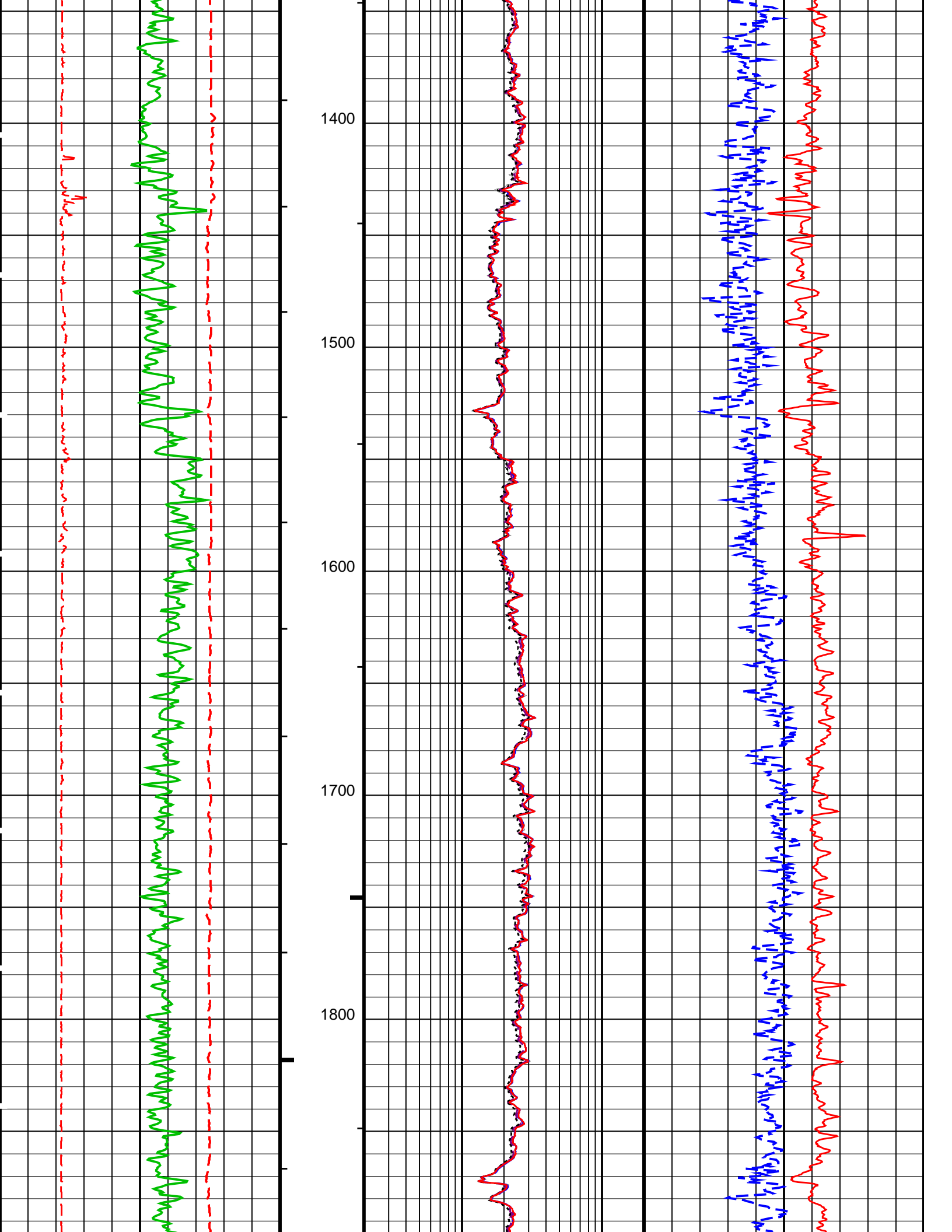
HILTB-CTS      18C0-147

PIP SUMMARY

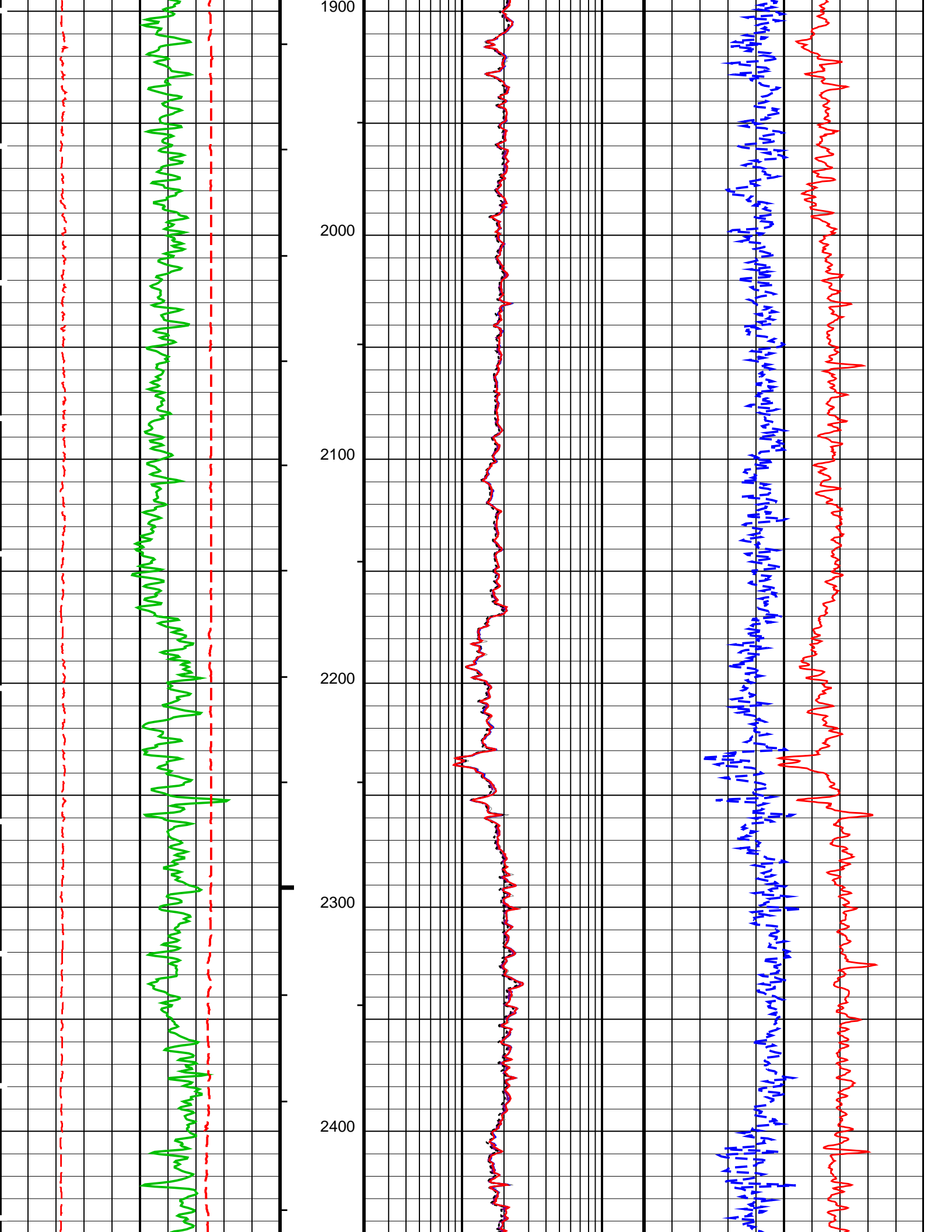
Integrated Hole Volume Minor Bin Every 10 F3

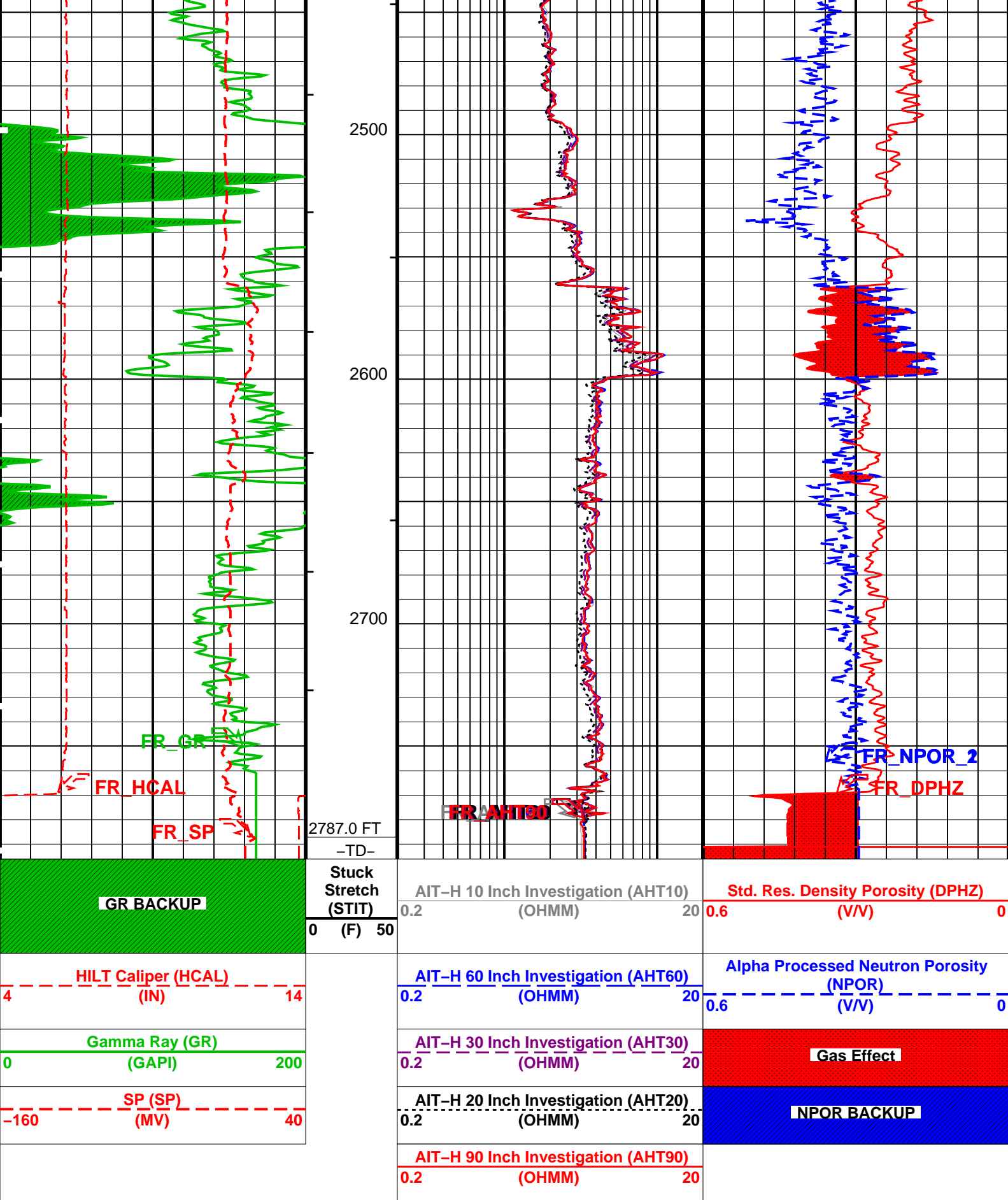












#### PIP SUMMARY

- └ 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	
<b>HILTB-CTS: High resolution Integrated Logging Tool-CTS</b>			
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)	145	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
<b>FEQL: Formation Evaluation Quick Look</b>			
FEXP	Form Factor Exponent	2	
FNUM	Form Factor Numerator	1	
<b>HOLEV: Integrated Hole/Cement Volume</b>			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	145	DEGF
FCD	Future Casing (Outer) Diameter	4.5	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	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
SHT	Surface Hole Temperature	68	DEGF
<b>PERT: Preliminary Evaluation - Real Time</b>			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	145	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
<b>STI: Stuck Tool Indicator</b>			
LBFR	Trigger for MAXIS First Reading Label	TDL	
STKT	STI Stuck Threshold	2.5	FT
TDD	Total Depth - Driller	2784.00	FT
TDL	Total Depth - Logger	2787.00	FT

System and Miscellaneous		6.250	IN
BS	Bit Size	-50000.00	PPM
BSAL	Borehole Salinity	7.000	IN
CSIZ	Current Casing Size	17.00	LB/F
CWEI	Casing Weight	8.90	LB/G
DFD	Drilling Fluid Density	0.0	FT
DORL	Depth Offset for Repeat Analysis	20.00	FT
FLEV	Fluid Level	55.00	DEGF
MST	Mud Sample Temperature	0.1928	OHMM
RMFS	Resistivity of Mud Filtrate Sample	2787	FT
TD	Total Depth		

Format: COMBO\_LOG\_S2

Vertical Scale: 2" per 100'


Graphics File Created: 18-Dec-2010 21:16

OP System Version: 18C0-147

HILTB-CTS18C0-147

Output DLIS Files

DEFAULTAIT\_TLD\_MCFL\_CNL\_007LUPFN:6PRODUCER18-Dec-2010 21:16



COMBO LOG 5" = 100'

MAXIS Field Log

Output DLIS Files

DEFAULTAIT\_TLD\_MCFL\_CNL\_007LUPFN:6PRODUCER18-Dec-2010 21:162796.0 FT419.5 FT

Integrated Hole/Cement Volume Summary

Hole Volume = 486.85 F3

Cement Volume = 228.68 F3 (assuming 4.50 IN casing O.D.)

Computed from 2787.0 FT to 450.0 FT using data channel(s) HCAL

OP System Version: 18C0-147

HILTB-CTS18C0-147

PIP SUMMARY

└ Integrated Hole Volume Minor Pip Every 10 F3

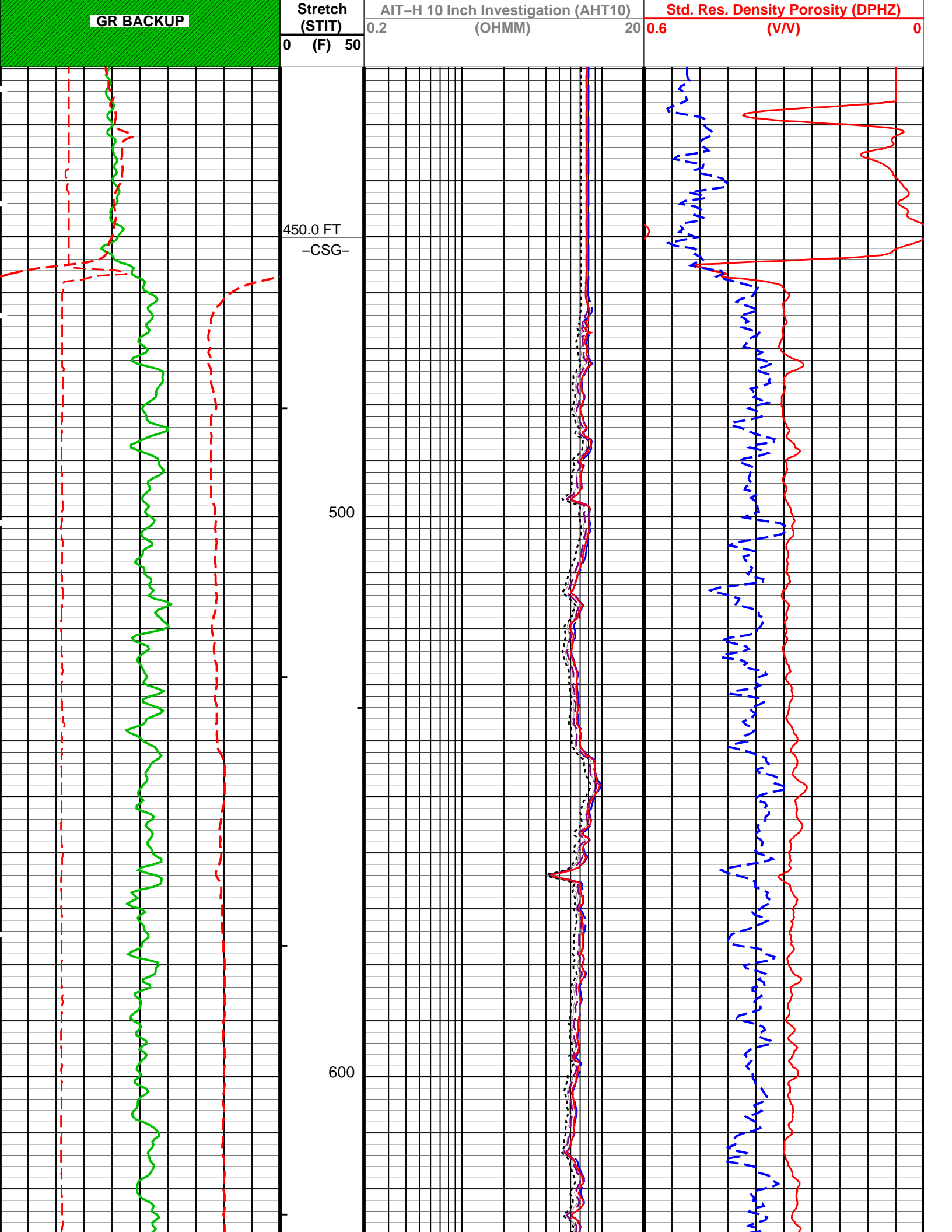
└ Integrated Hole Volume Major Pip Every 100 F3

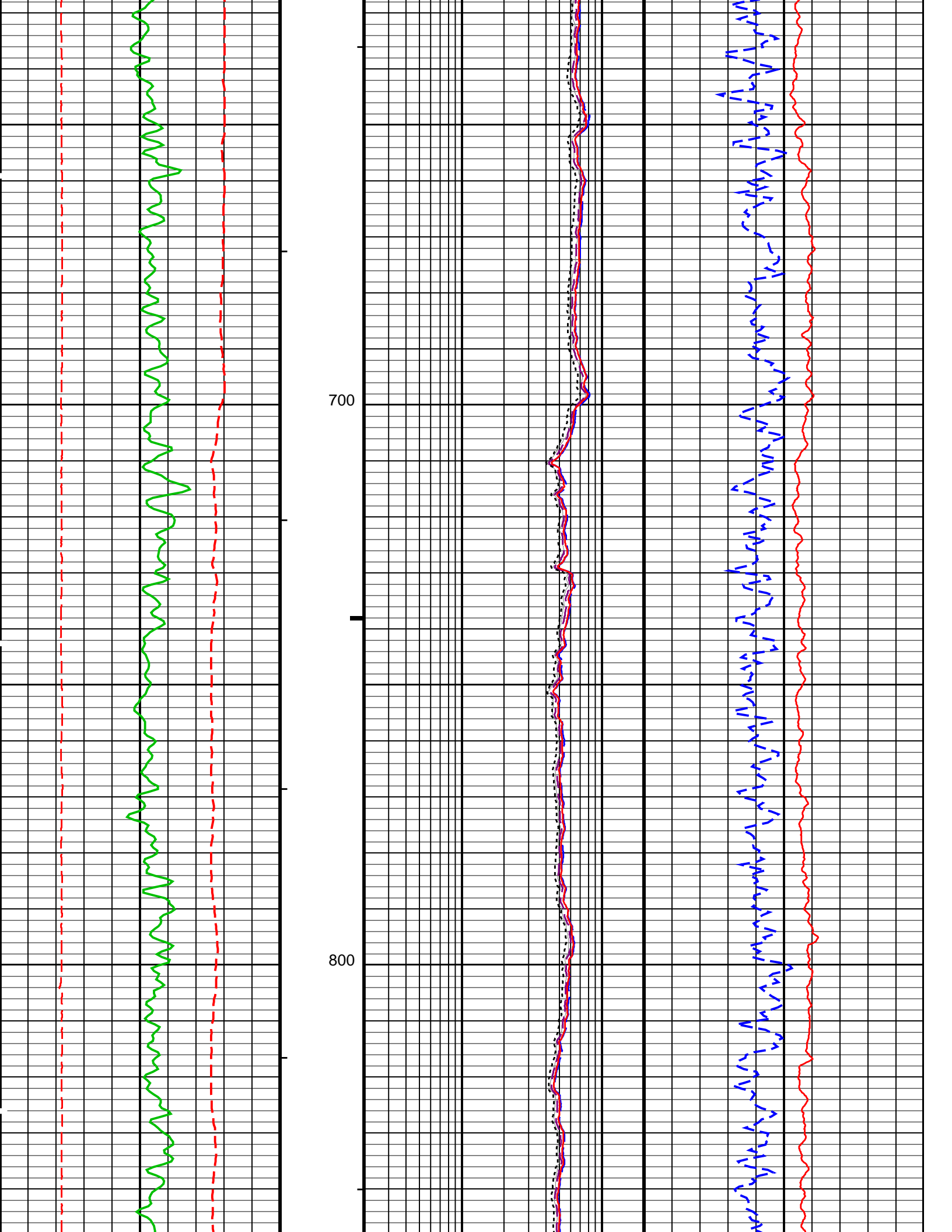
└ Integrated Cement Volume Minor Pip Every 10 F3

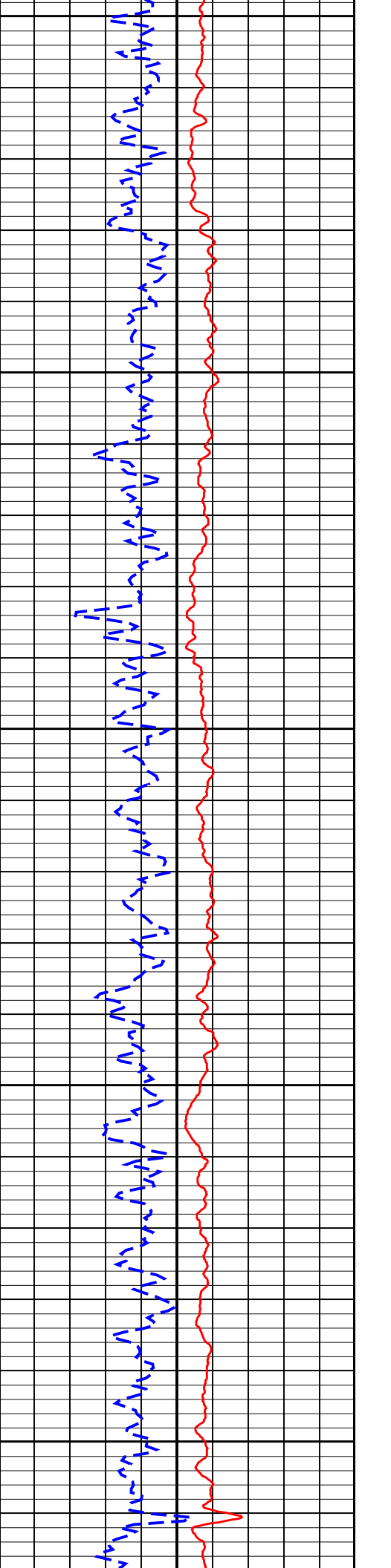
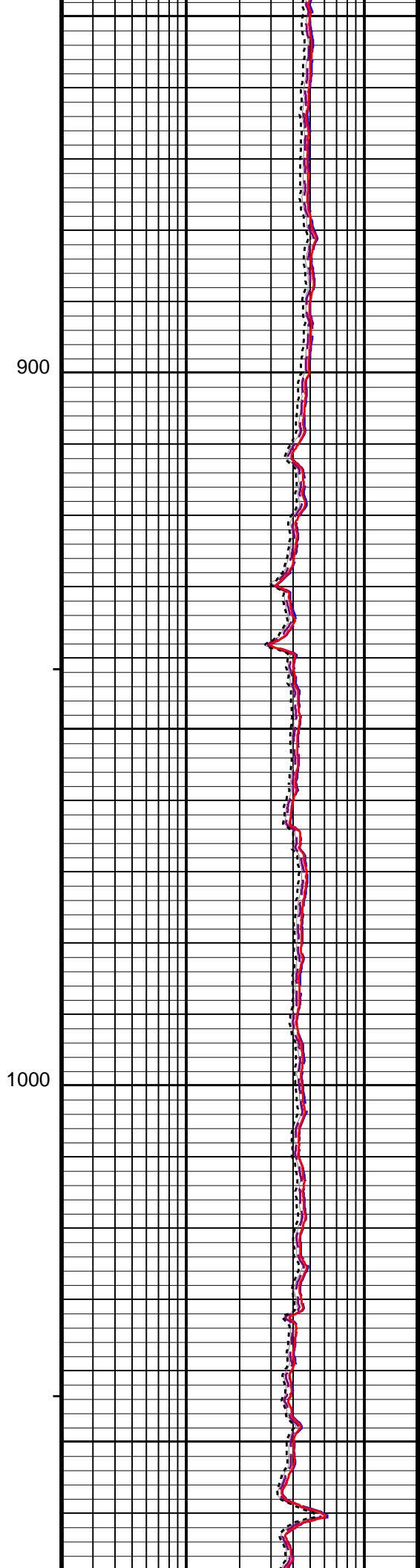
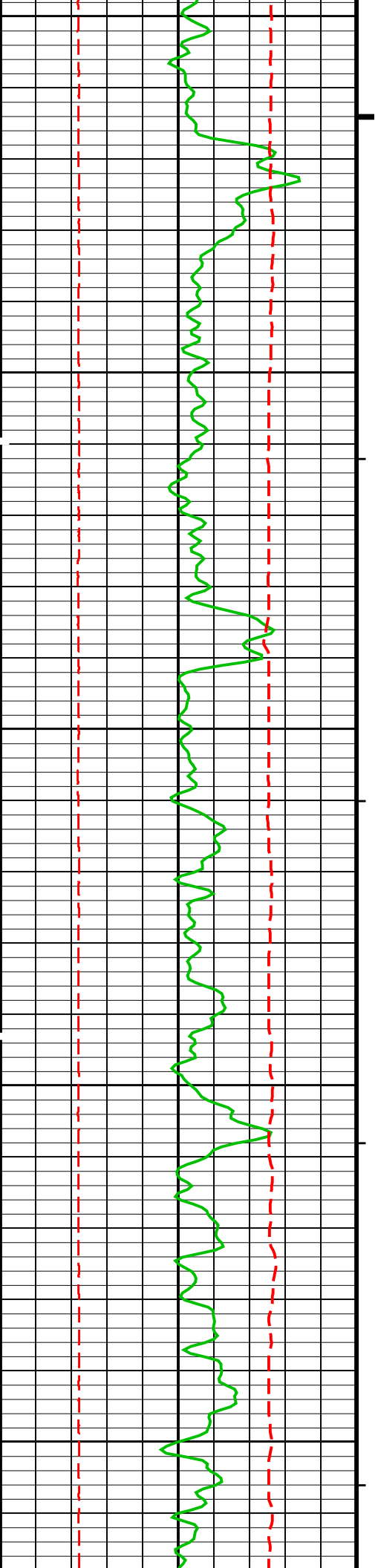
└ Integrated Cement Volume Major Pip Every 100 F3

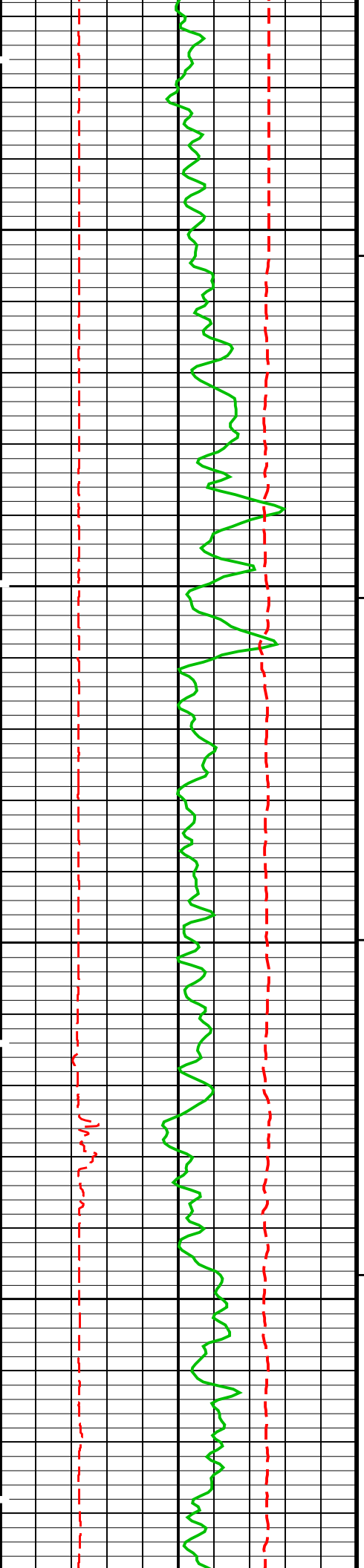
Time Mark Every 60 S

		AIT-H 90 Inch Investigation (AHT90)	
		0.2 (OHMM) 20	
<div><div>SP (SP) (MV)</div><div>Gamma Ray (GR) (GAPI)</div><div>HILT Caliper (HCAL) (IN)</div></div>	-16040	AIT-H 20 Inch Investigation (AHT20)	NPOR BACKUP
		0.2 (OHMM) 20	
	0200	AIT-H 30 Inch Investigation (AHT30)	Gas Effect
		0.2 (OHMM) 20	
	414	AIT-H 60 Inch Investigation (AHT60)	Alpha Processed Neutron Porosity (NPOR) (V/V)
		0.2 (OHMM) 20	
Stuck			0.60



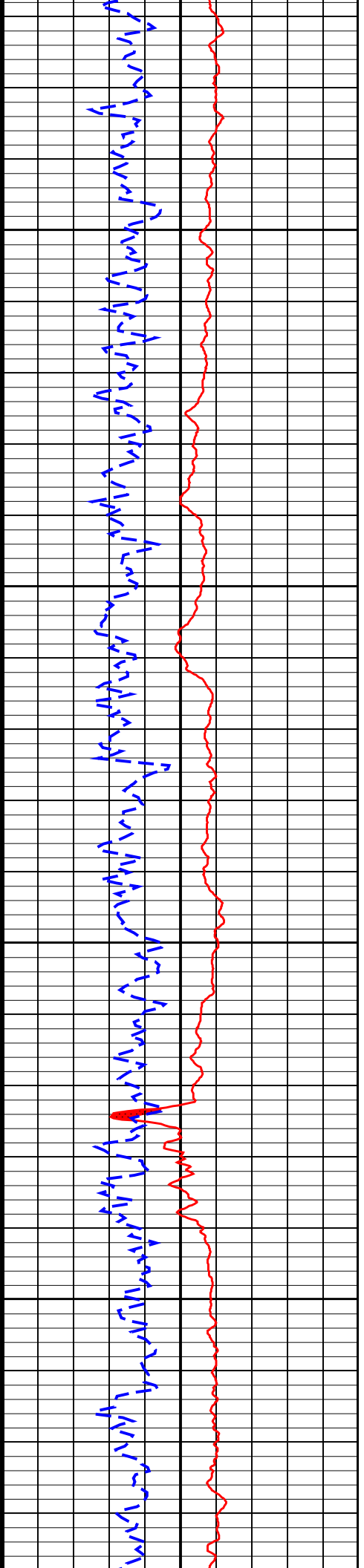
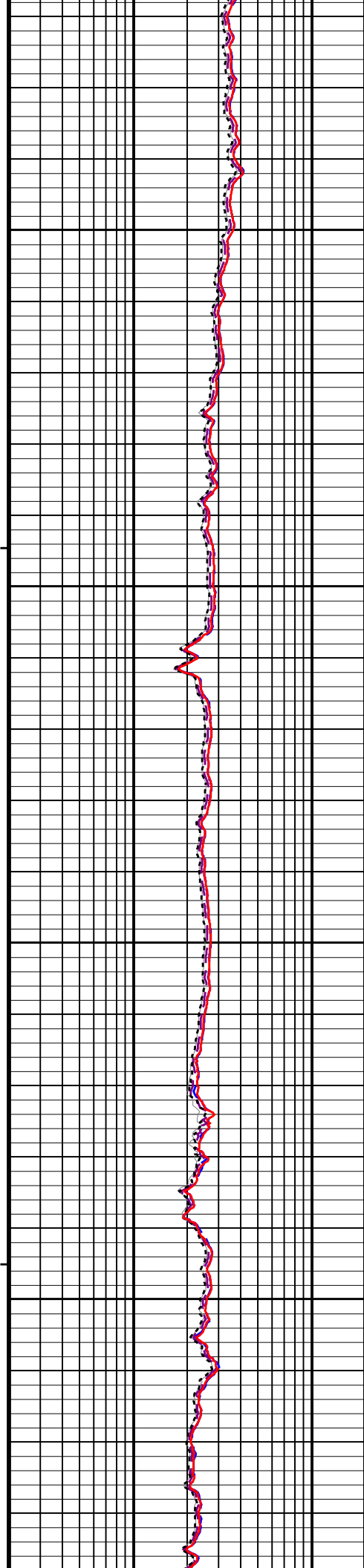




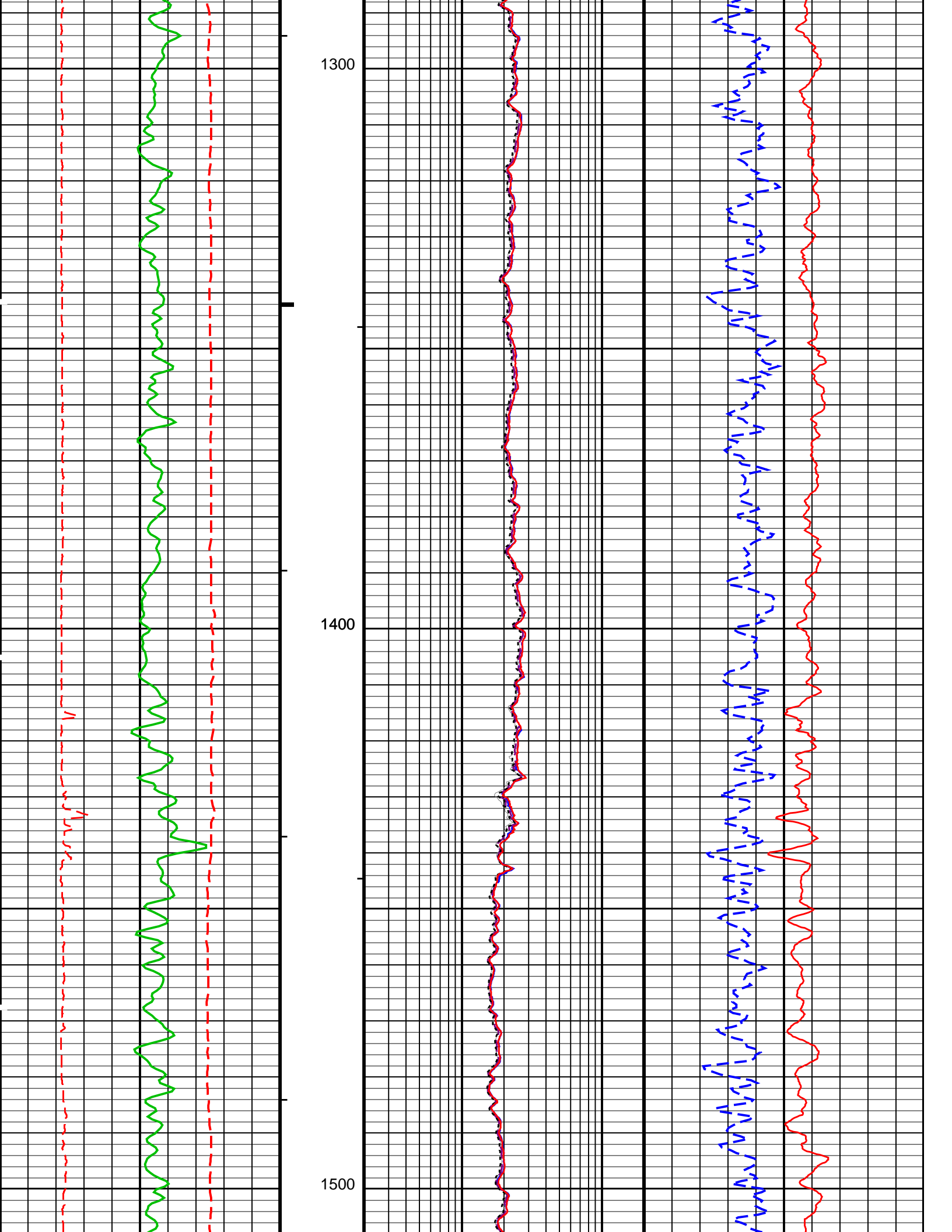


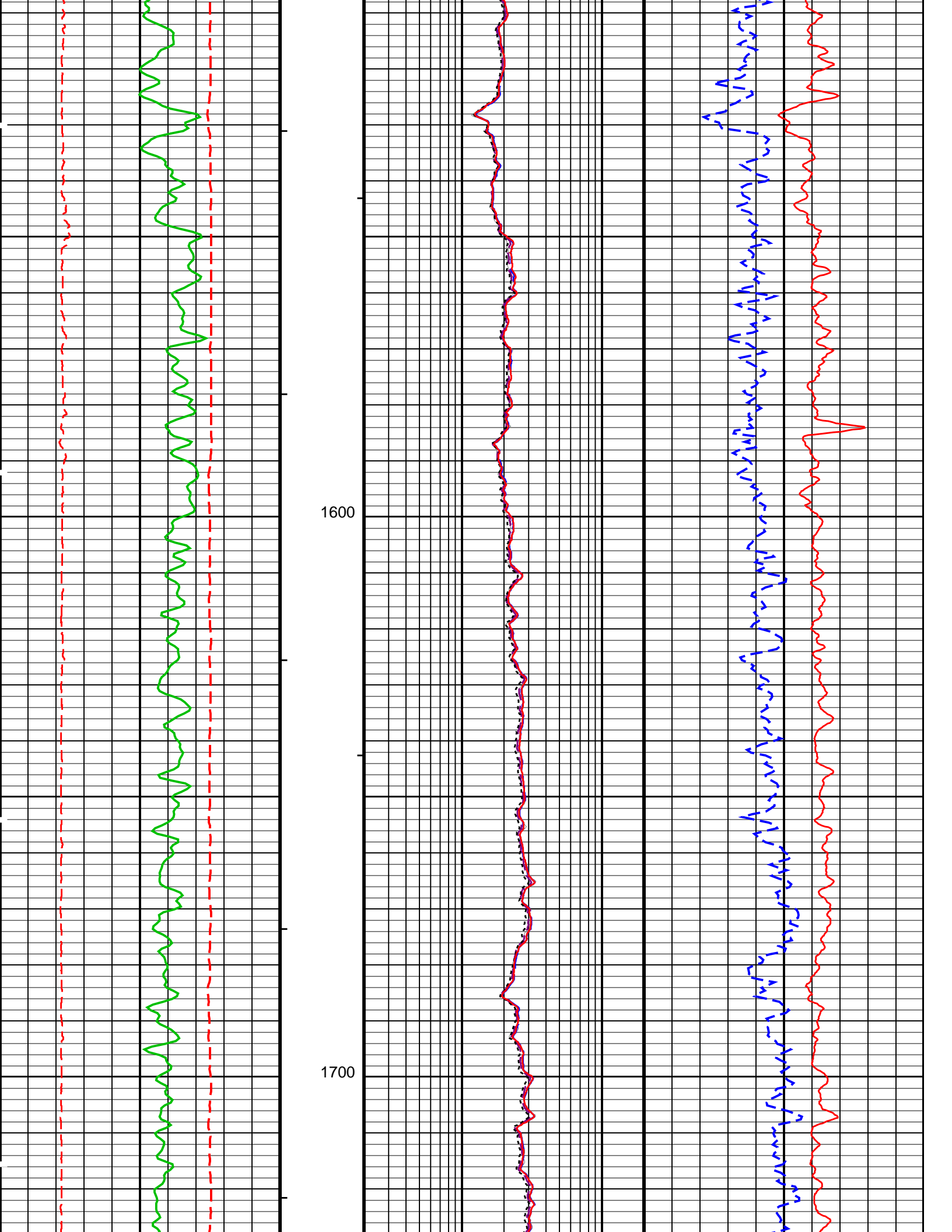
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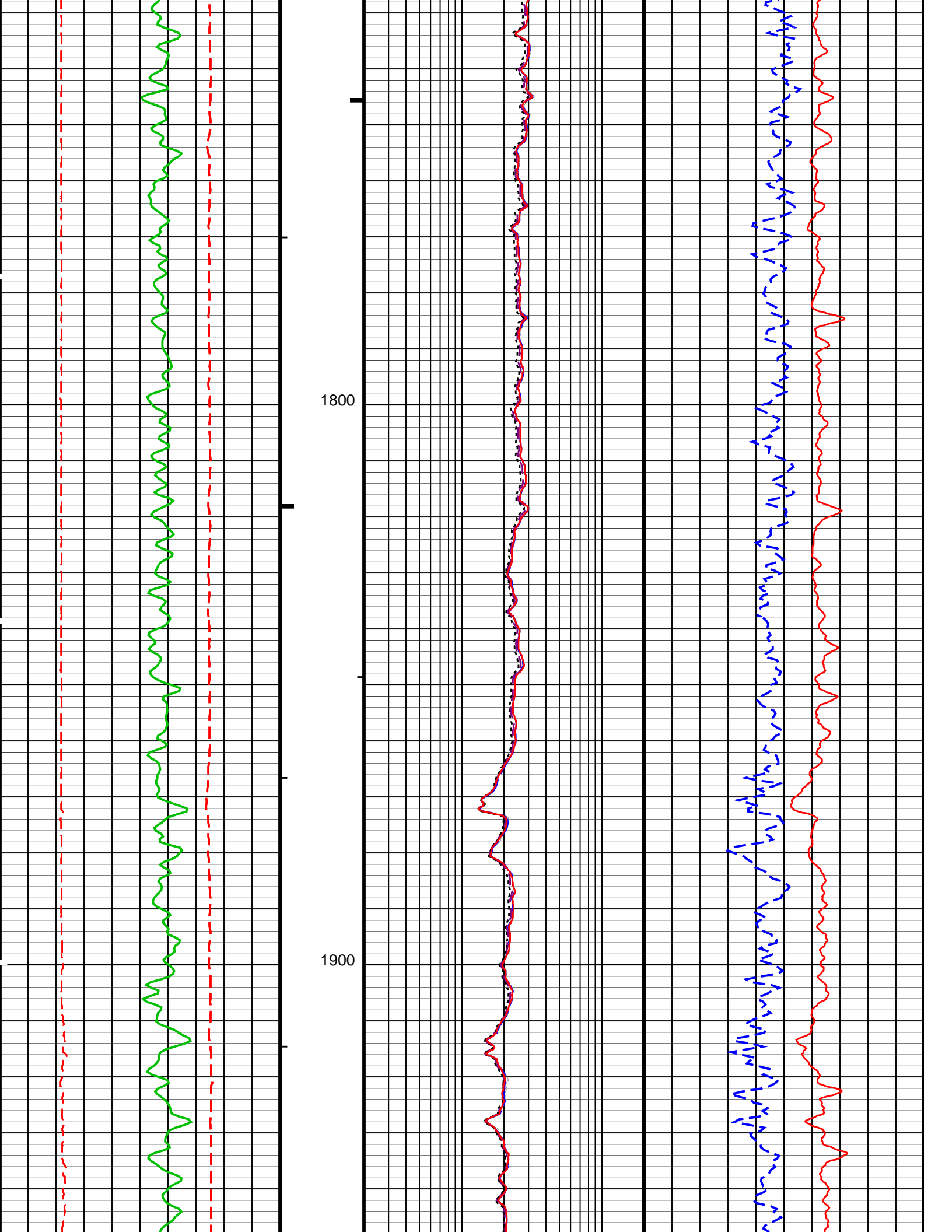
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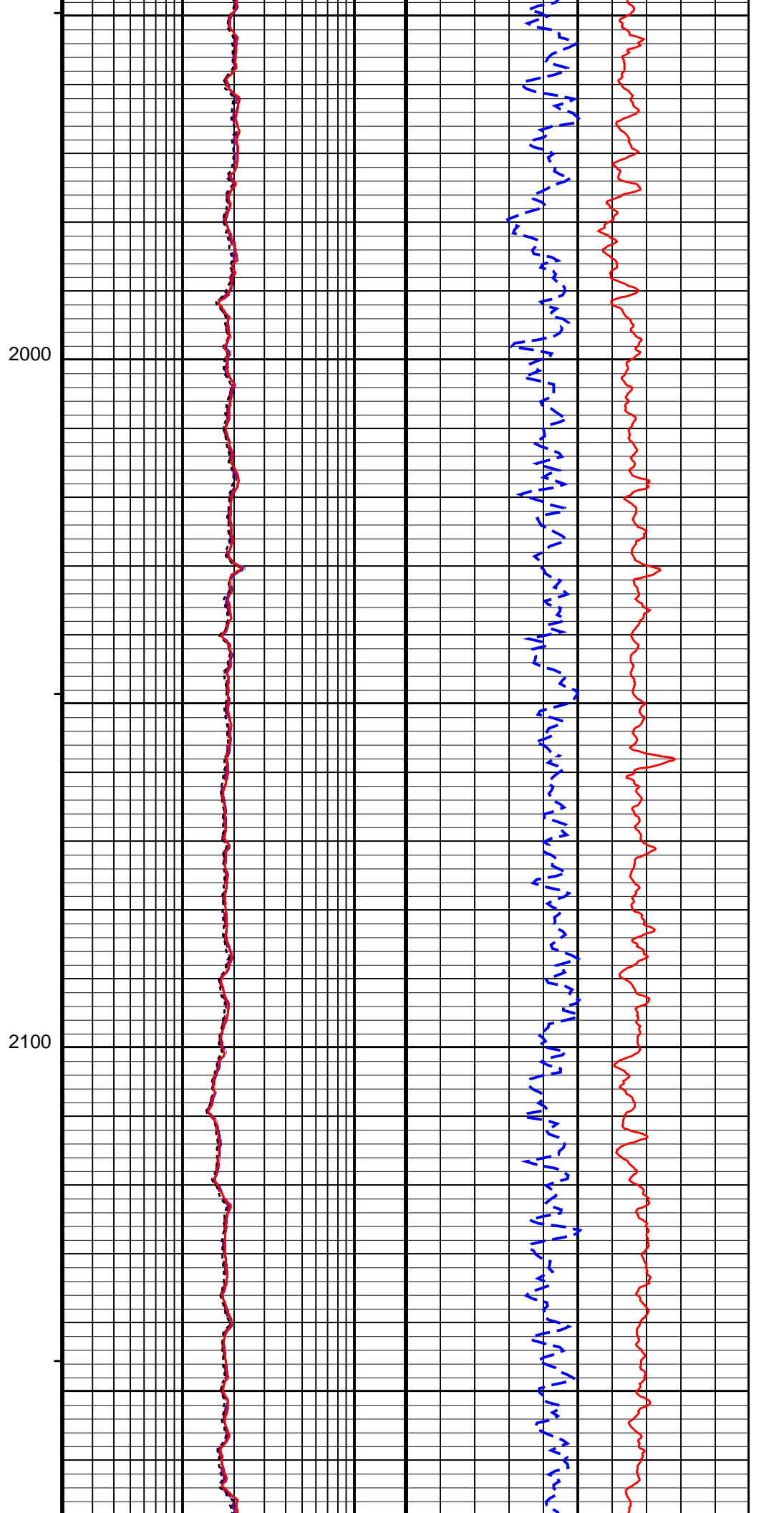
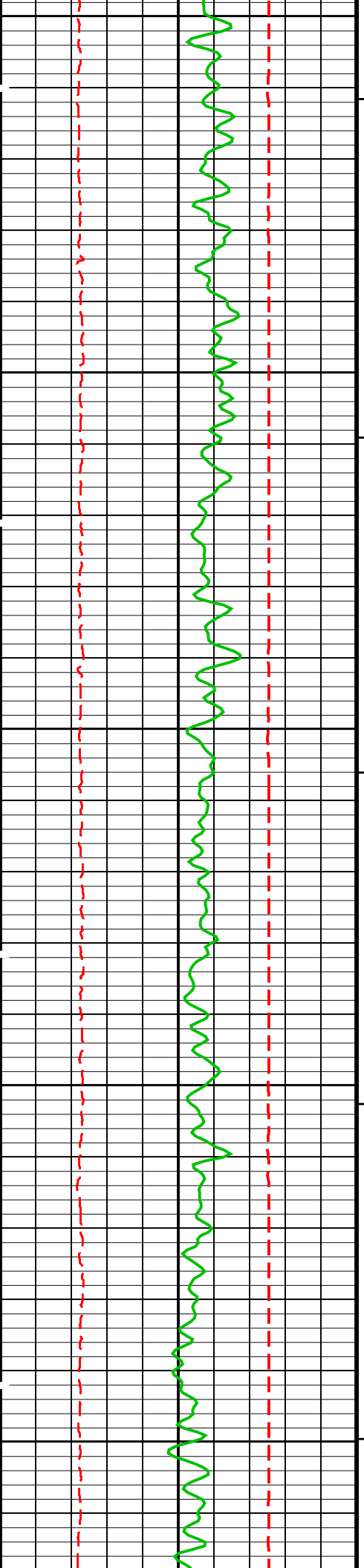


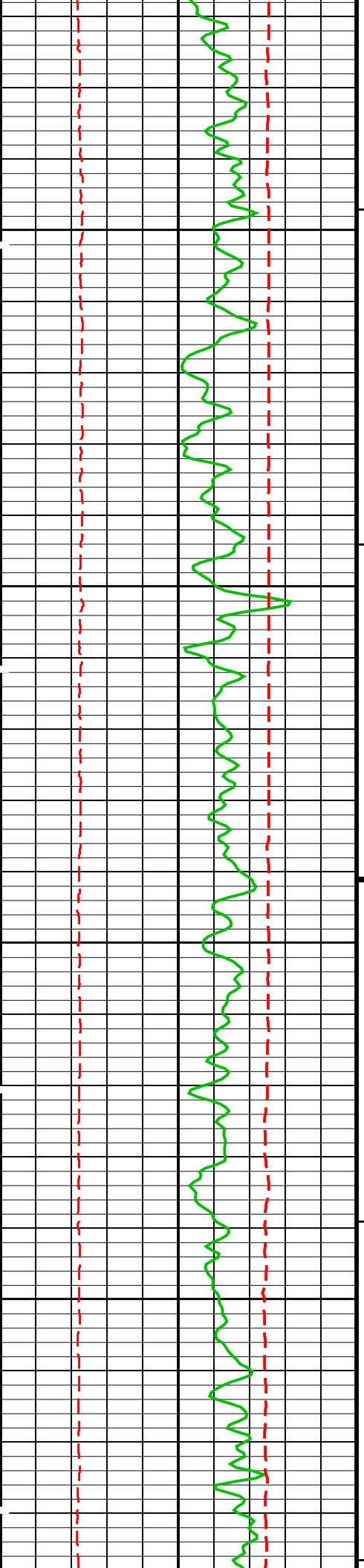






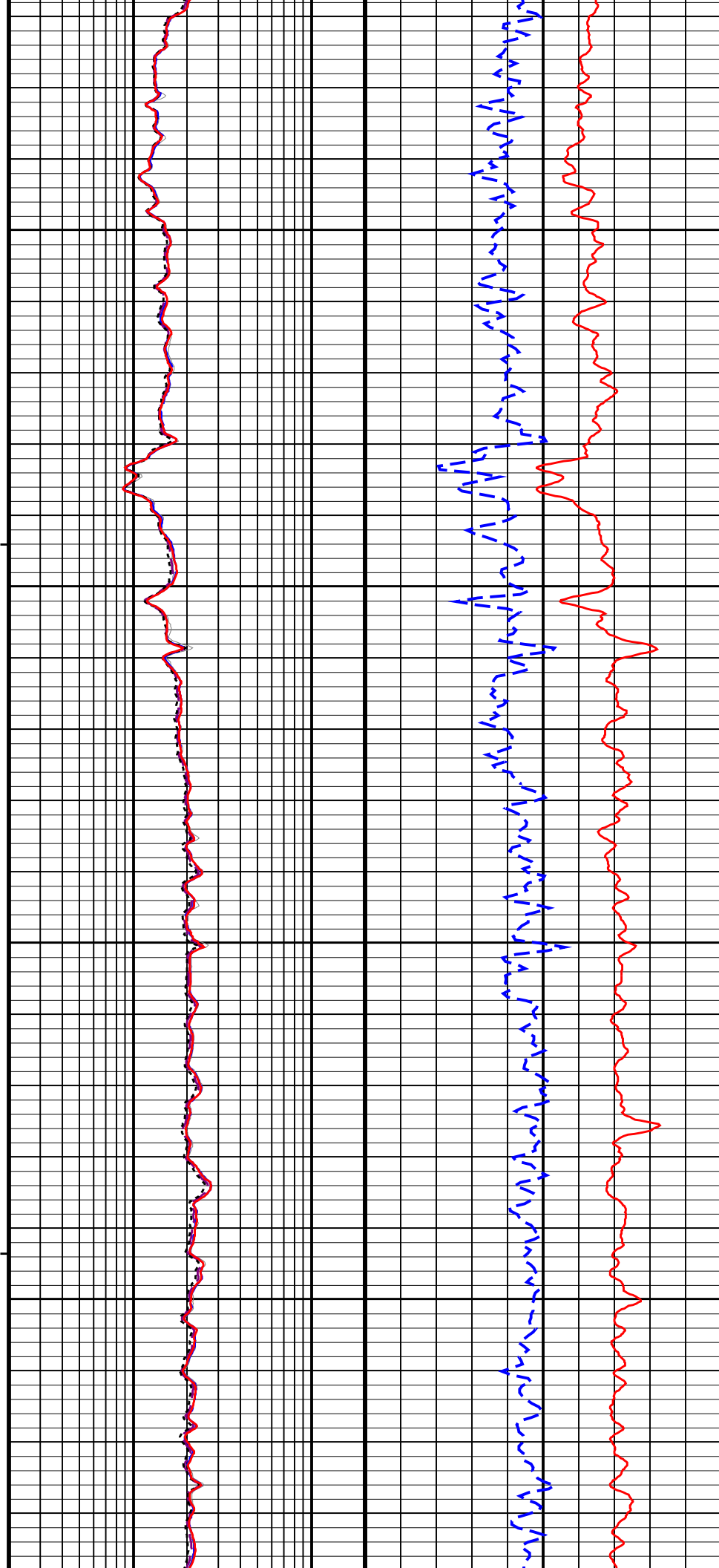


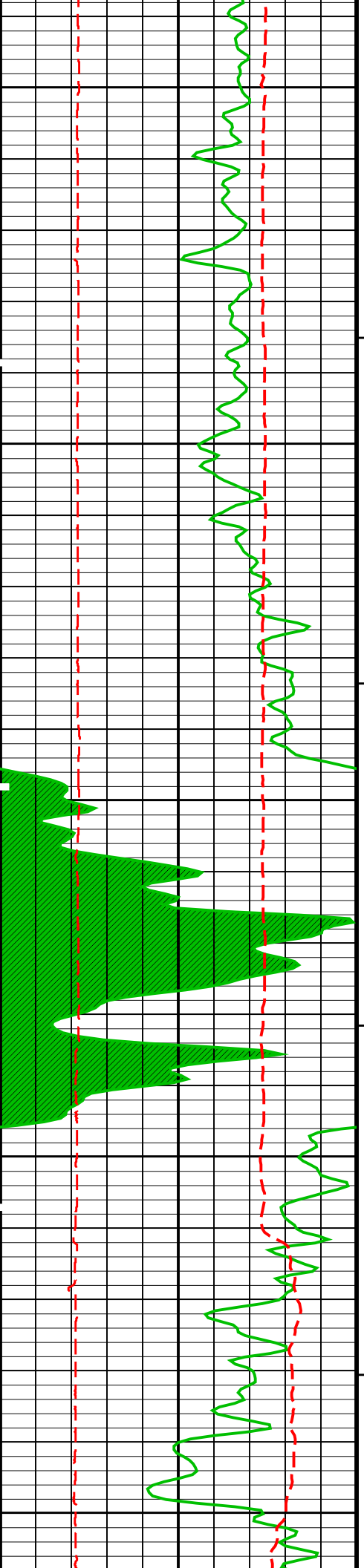




2200

2300

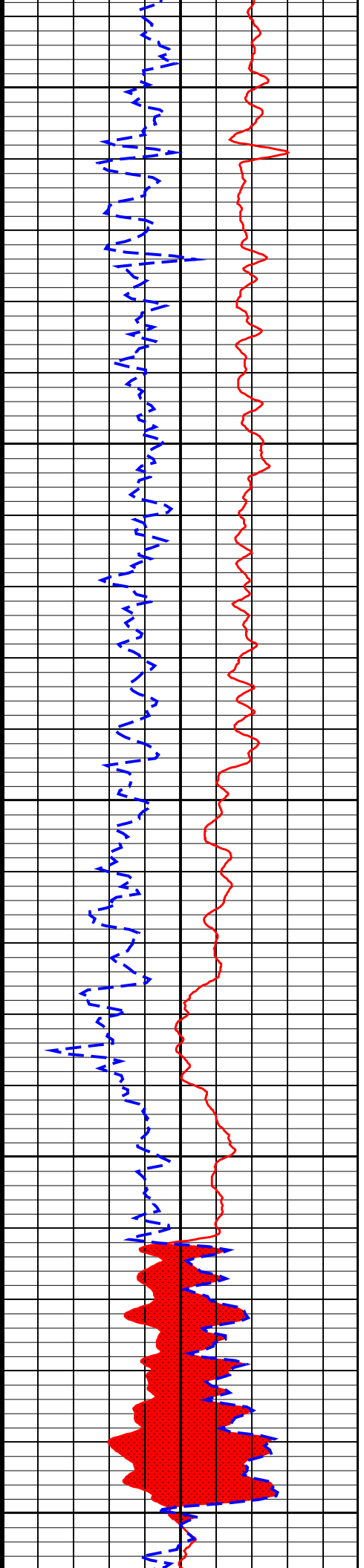
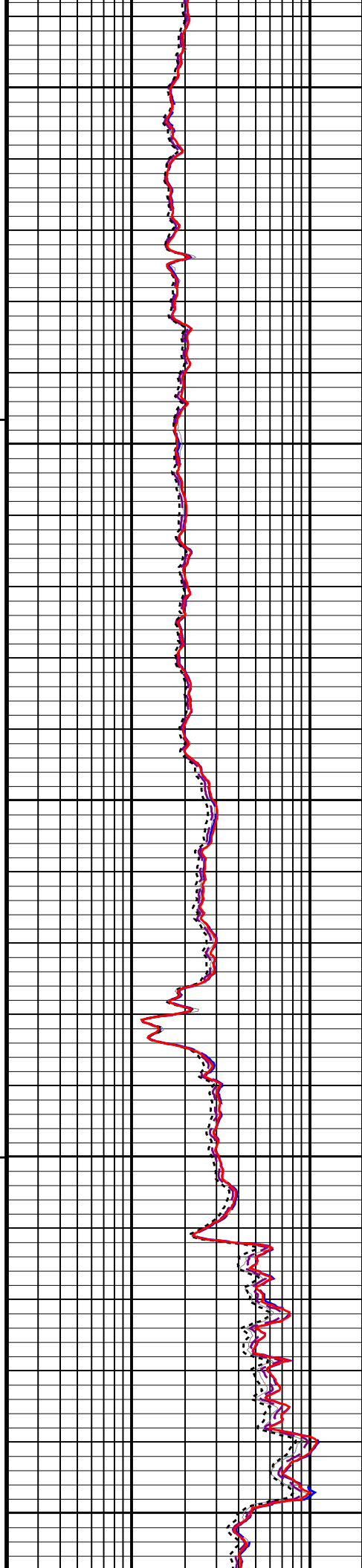


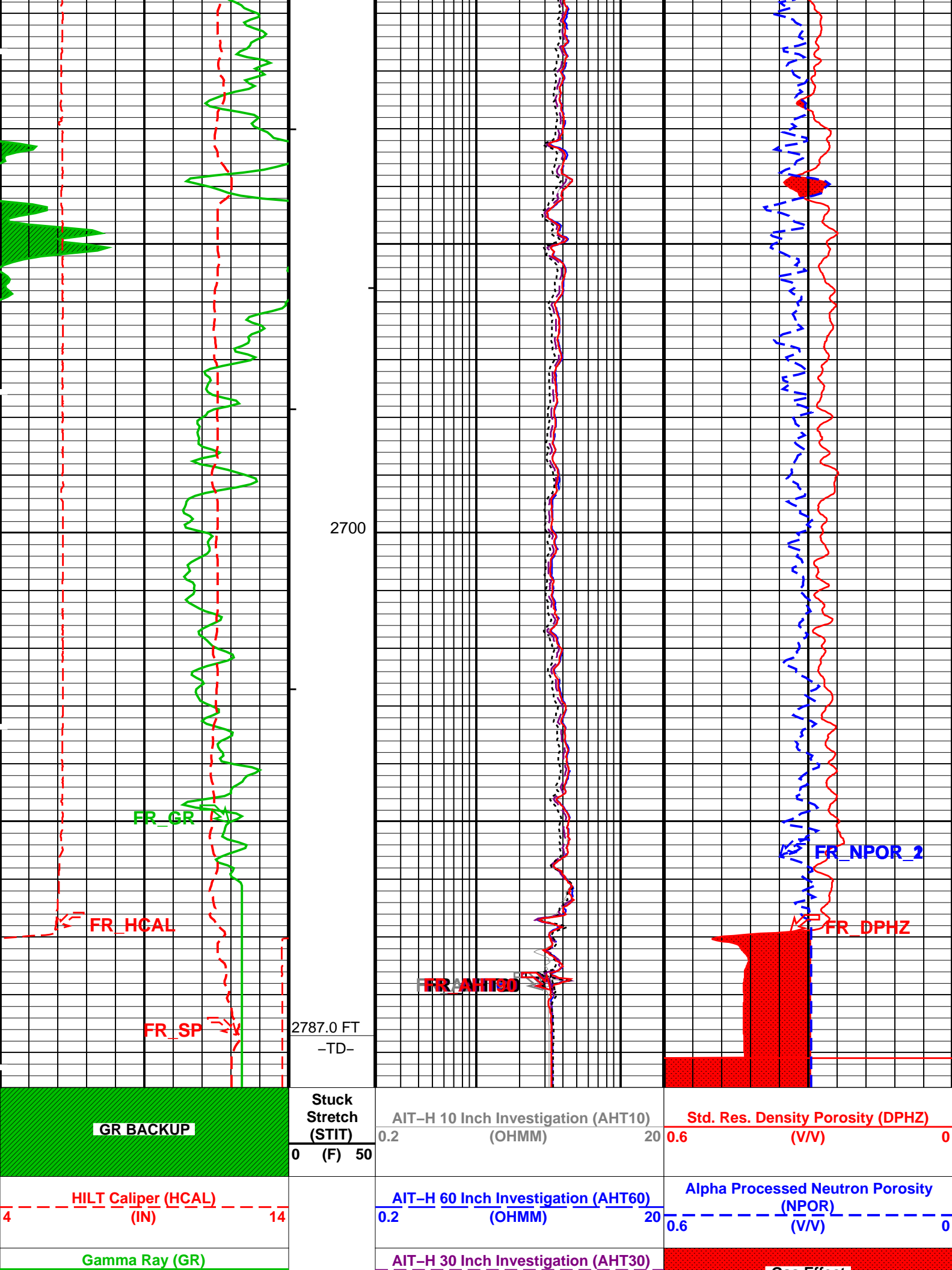


2400

2500

2600





0	(GAPI)	200	0.2	(OHMM)	20	Gas Effect
SP (SP)			AIT-H 20 Inch Investigation (AHT20)			NPOR BACKUP
-160	(MV)	40	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)	145	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)	145	DEGF			
FCD	Future Casing (Outer) Diameter	4.5	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				
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE				



SHT	PERT: Preliminary Evaluation – Real Time	Surface Hole Temperature	68	DEGF
BHS		Borehole Status	OPEN	
BHT		Bottom Hole Temperature (used in calculations)	145	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	2784.00	FT
TDL		Total Depth – Logger	2787.00	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	8.90	LB/G
DORL		Depth Offset for Repeat Analysis	0.0	FT
FLEV		Fluid Level	20.00	FT
MST		Mud Sample Temperature	55.00	DEGF
RMFS		Resistivity of Mud Filtrate Sample	0.1928	OHMM
TD		Total Depth	2787	FT

Format: COMBO\_LOG    Vertical Scale: 5" per 100'    Graphics File Created: 18-Dec-2010 21:16

## OP System Version: 18C0-147

HILTB-CTS    18C0-147

### Output DLIS Files

DEFAULT    AIT\_TLD\_MCFL\_CNL\_007LUP    FN:6    PRODUCER    18-Dec-2010 21:16

**Schlumberger**

## REPEAT ANALYSIS

MAXIS Field Log

### Input DLIS Files

DEFAULT    AIT\_TLD\_MCFL\_CNL\_004LUP    FN:3    PRODUCER    18-Dec-2010 21:02    2796.0 FT    2342.2 FT

### Output DLIS Files

DEFAULT    AIT\_TLD\_MCFL\_CNL\_007LUP    FN:6    PRODUCER    18-Dec-2010 21:16

## OP System Version: 18C0-147

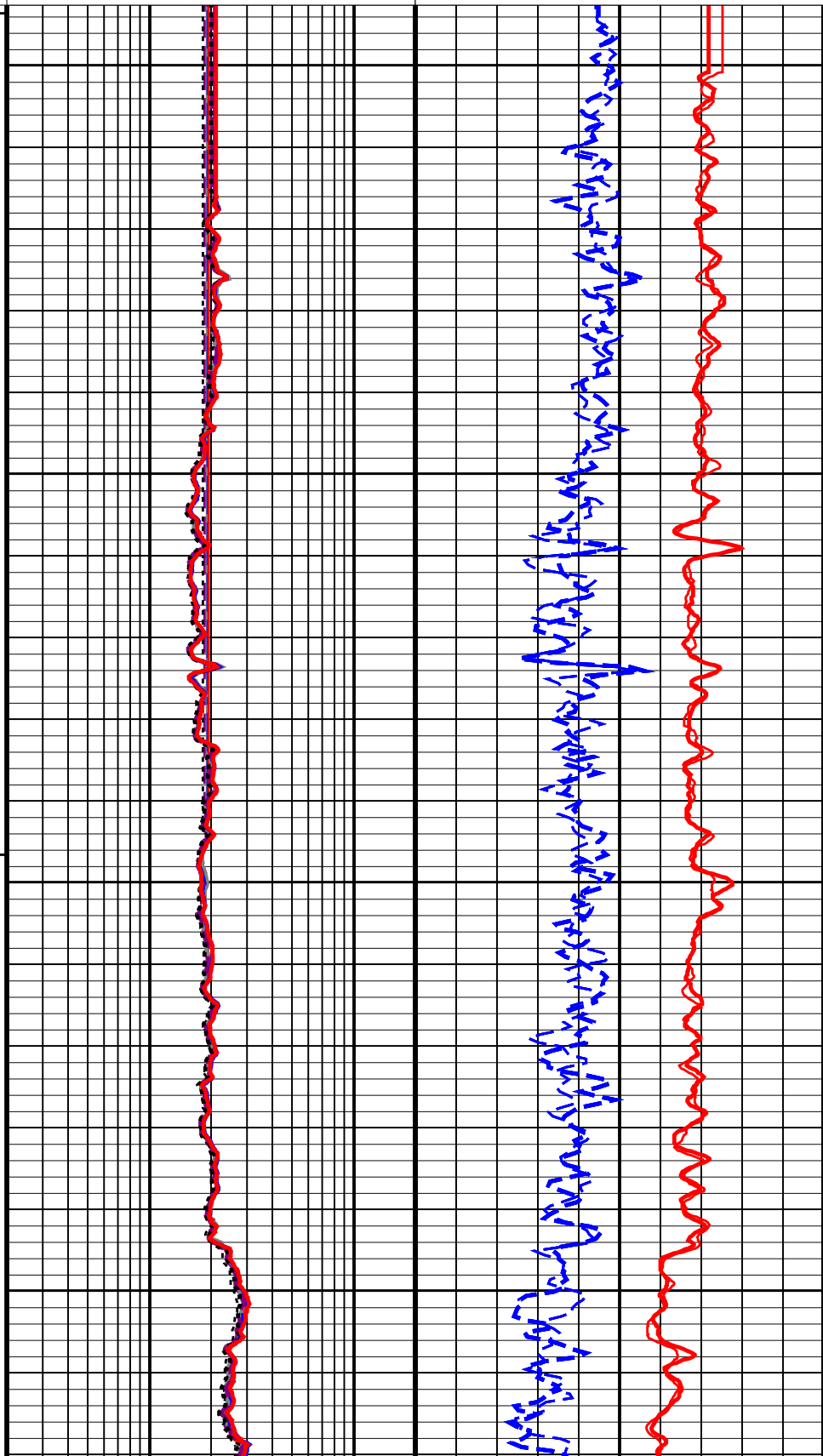
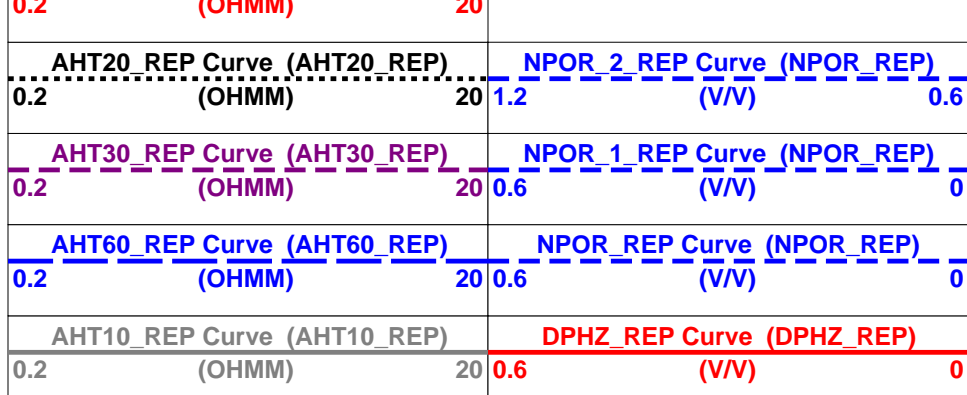
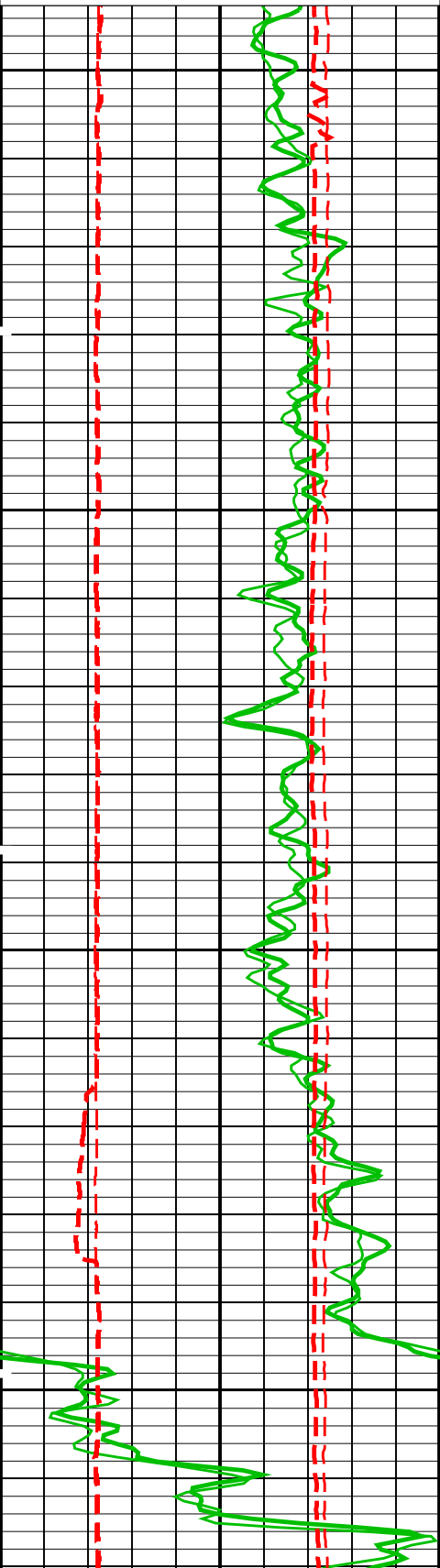
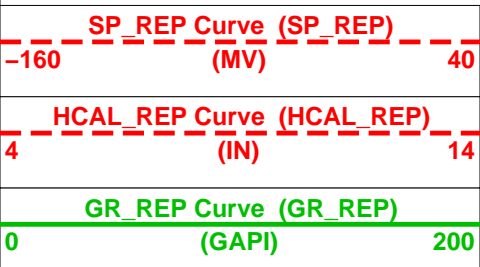
HILTB-CTS    18C0-147

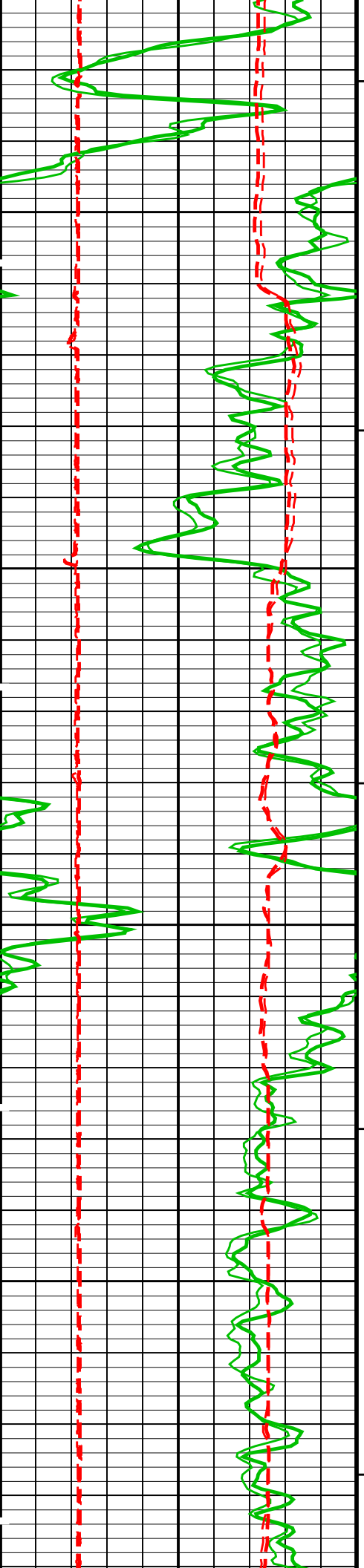
### PIP SUMMARY

- └ 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

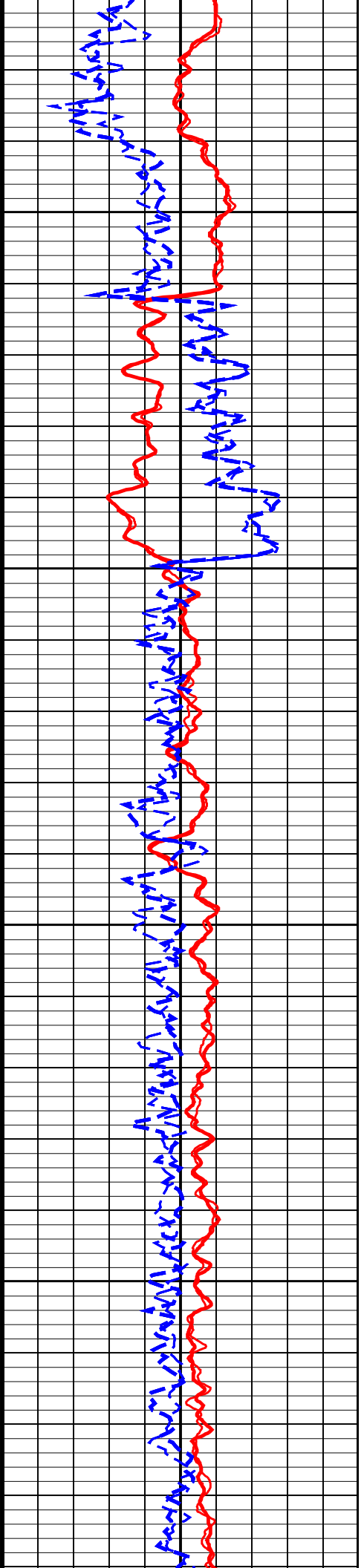
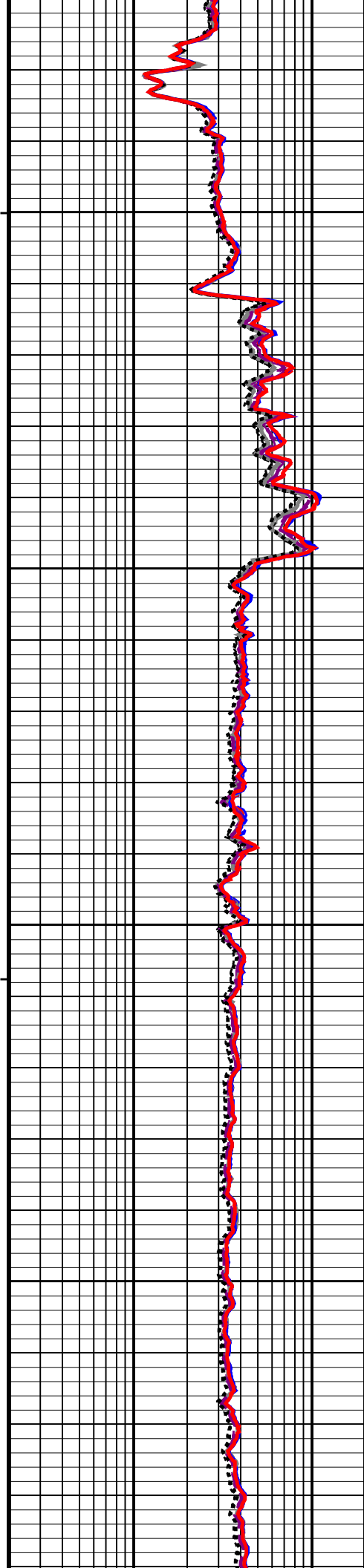
**AHT90\_REP Curve (AHT90\_REP)**

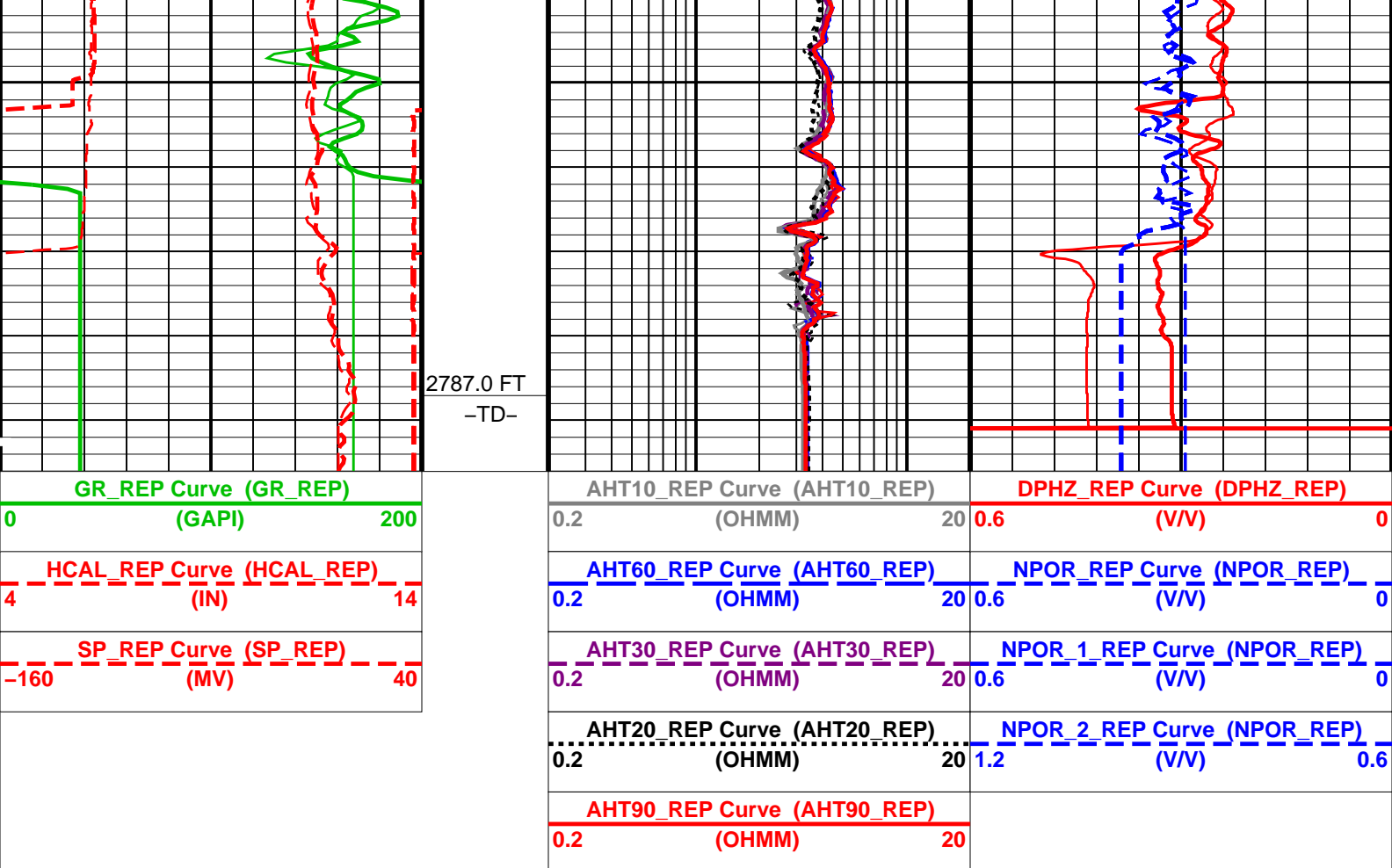




2600

2700





#### 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)	145 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
GRSE	Generalized Temperature Selection	UITS_UTEM

GTSE	Generalized Temperature Selection	HSTS_HTEM	YES	
HSCO	Hole Size Correction Option			
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)	145	DEGF	
FCD	Future Casing (Outer) Diameter	4.5	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		
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)	145	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	2787.00	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	8.90	LB/G	
DORL	Depth Offset for Repeat Analysis	0.0	FT	
FLEV	Fluid Level	20.00	FT	
MST	Mud Sample Temperature	55.00	DEGF	
RMFS	Resistivity of Mud Filtrate Sample	0.1928	OHMM	
TD	Total Depth	2787	FT	

Format: COMBO\_LOG\_REP    Vertical Scale: 5" per 100'    Graphics File Created: 18-Dec-2010 21:16

## OP System Version: 18C0-147

HILTB-CTS    18C0-147

### Input DLIS Files

DEFAULT	AIT_TLD_MCFL_CNL_004LUP	FN:3	PRODUCER	18-Dec-2010 21:02	2796.0 FT	2342.2 FT
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### Output DLIS Files

DEFAULT	AIT_TLD_MCFL_CNL_007LUP	FN:6	PRODUCER	18-Dec-2010 21:16
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Company: **Noble Energy Inc.**

**Schlumberger**

Well: **RMR Ranch 13-36**

Field: **Schramm**

County: **Yuma**

Platform Express

Triple Combo