

**Schlumberger**

Company: **Noble Energy Inc.**

Well: **Gardner Trusts 34-29**

Field: **Schramm**

County: **Yuma**

State: **Colorado**

Well: **Gardner Trusts 34-29**  
Field: **Schramm**  
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Field: **Schramm**  
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1

[illegible][illegible]

## DEPTH SUMMARY LISTING

Depth System Equipment	
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Depth Control Parameters	
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Depth Control Remarks	
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- |  |
|--|
| <ol style="list-style-type: none"><li>1. All Schlumberger depth policy procedures applied</li><li>2. This is the primary depth reference</li><li>3.</li><li>4.</li><li>5.</li><li>6.</li></ol> |
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**DISCLAIMER**

THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE OF AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

OTHER SERVICES1 OS1:   None OS2: OS3: OS4: OS5:	OTHER SERVICES2 OS1: OS2: OS3: OS4: 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

448.0

448.0

7.000

6.250

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All depths are driller's depths

Schlumberger

MAIN TRIPLE COMBO LOG 2" = 100'

MAXIS Field Log

Output DLIS Files

DEFAULT      AIT\_TLD\_MCFL\_CNL\_006LUP      FN:5      PRODUCER      15-Dec-2010 02:32      2754.0 FT      431.0 FT

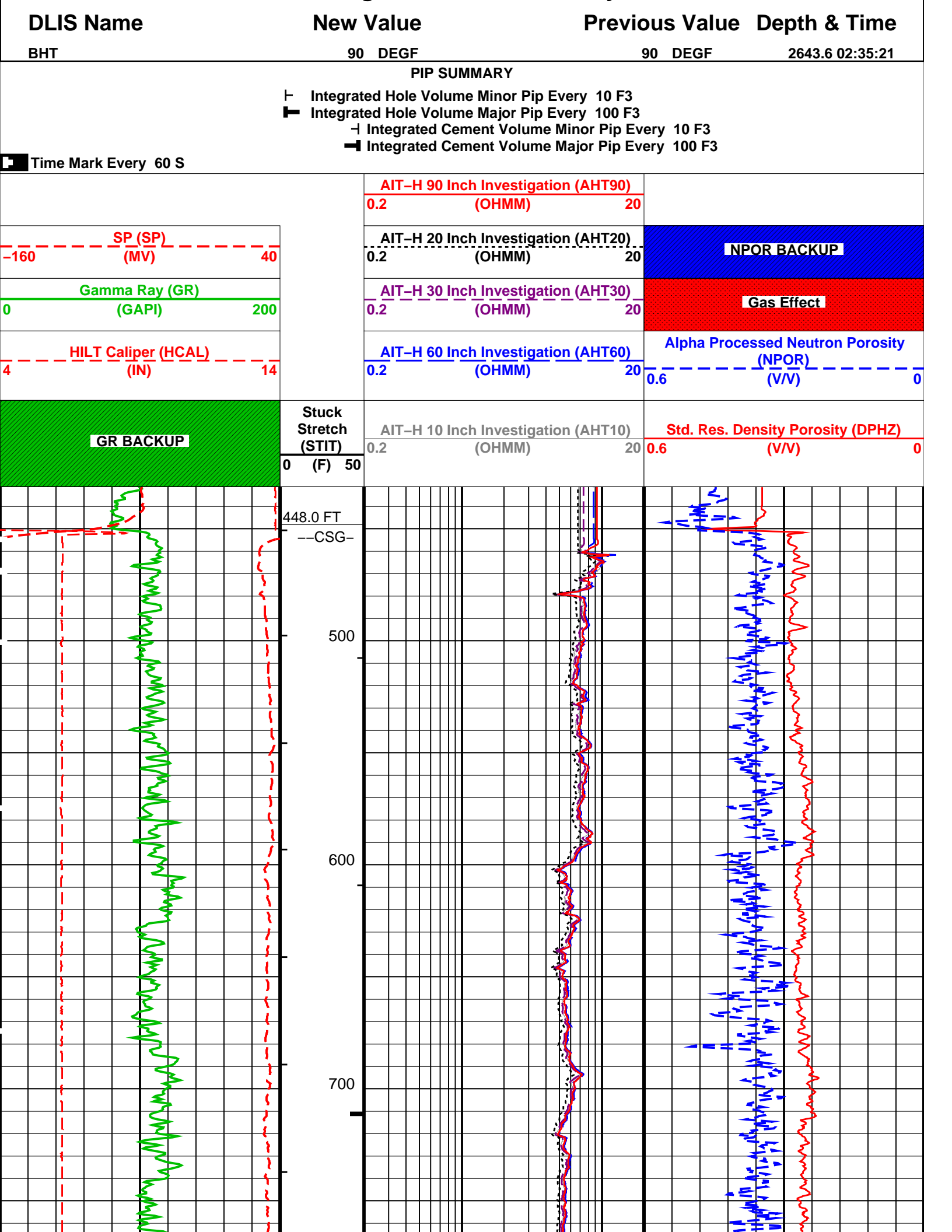
Integrated Hole/Cement Volume Summary

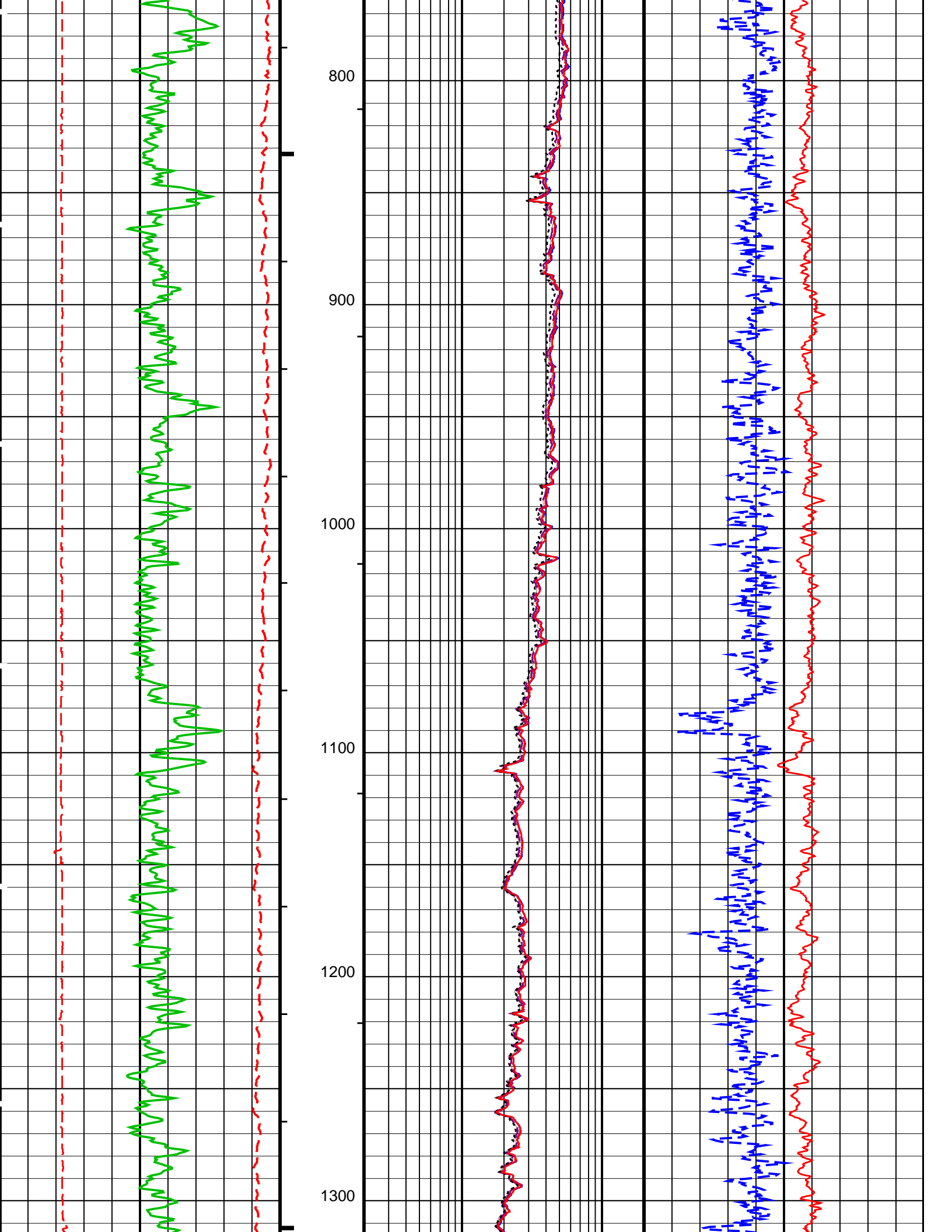
Hole Volume = 480.22 F3  
Cement Volume = 225.70 F3 (assuming 4.50 IN casing O.D.)  
Computed from 2752.0 FT to 448.0 FT using data channel(s) HCAL

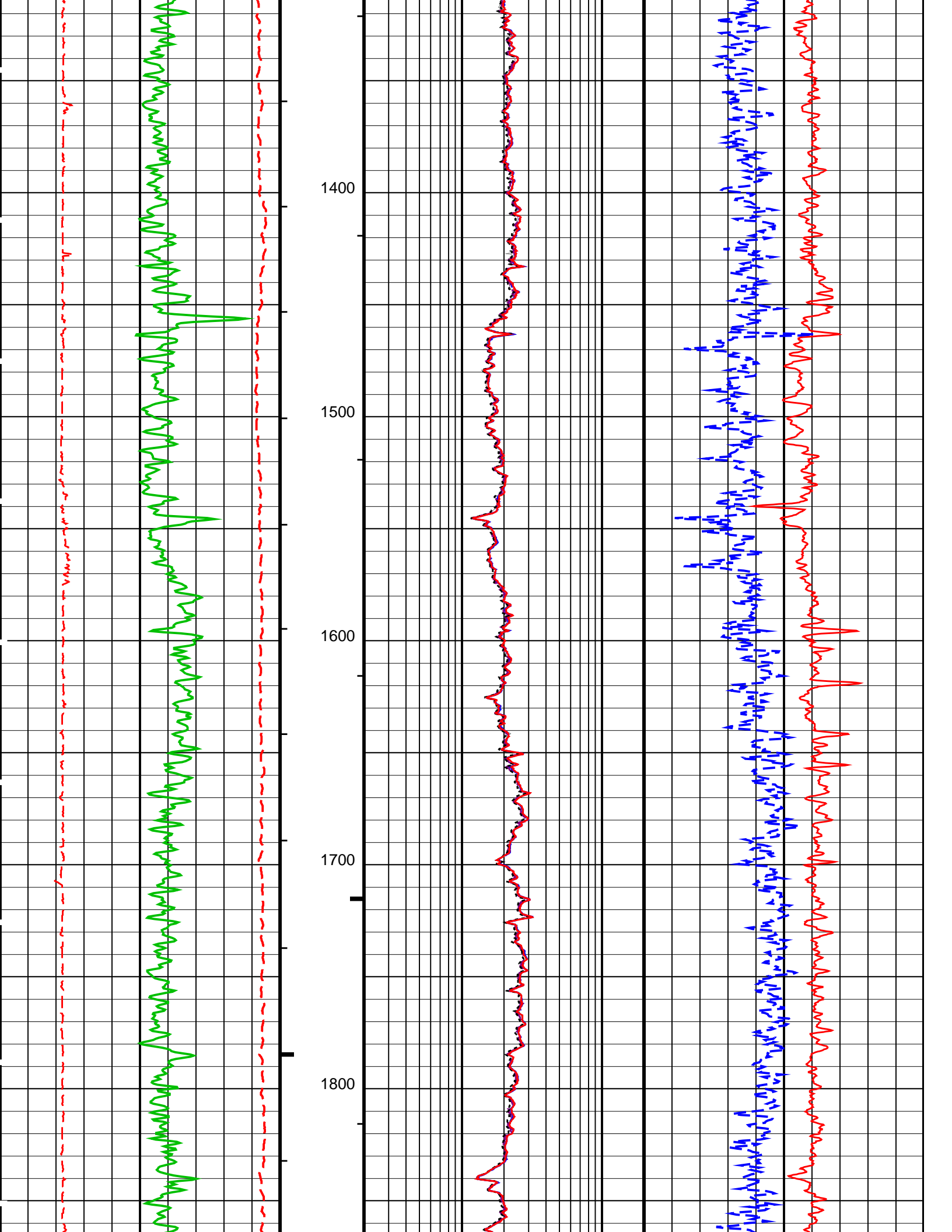
OP System Version: 18C0-147

HILTB-CTS      18C0-147

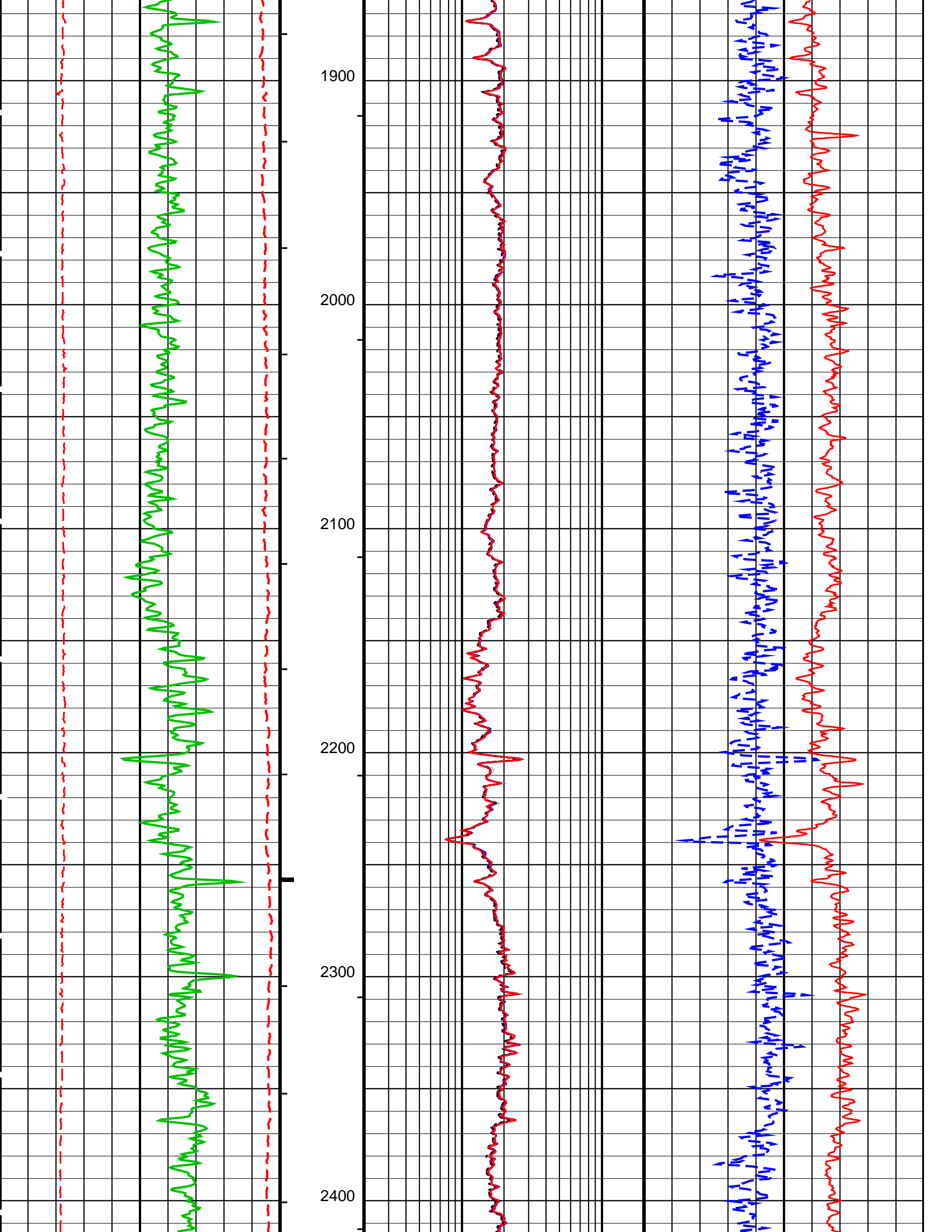
Changed Parameter Summary

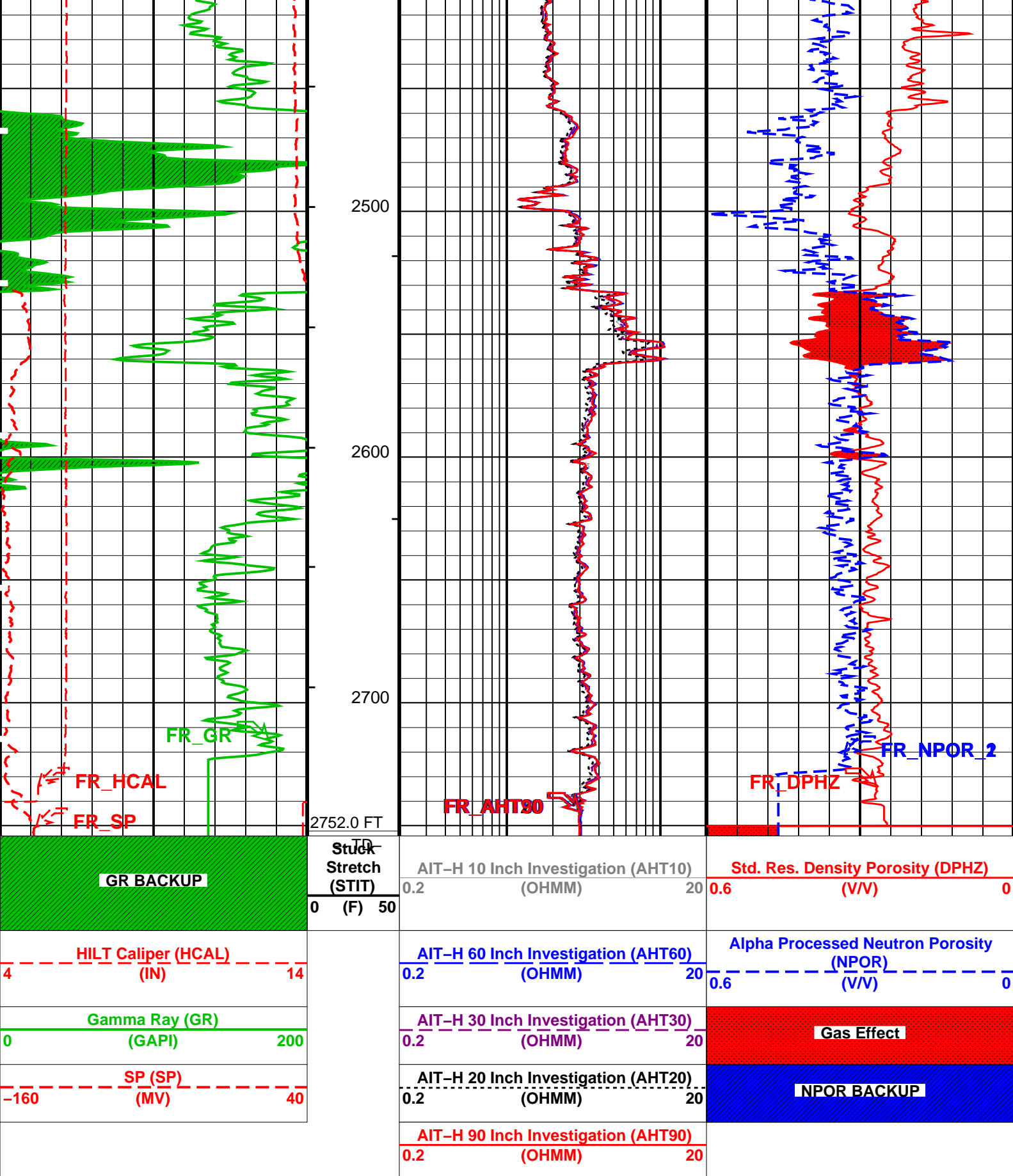












**PIP SUMMARY**

- ┌ 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)	90	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)	90	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)	90	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	2752.00	FT	
TDL	Total Depth - Logger	2752.00	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	20.00	LB/F
DORL	Depth Offset for Repeat Analysis	0.0	FT
FLEV	Fluid Level	20.00	FT
MST	Mud Sample Temperature	50.00	DEGF
RMFS	Resistivity of Mud Filtrate Sample	0.1950	OHMM
TD	Total Depth	2752	FT

Format: COMBO\_LOG\_S2

Vertical Scale: 2" per 100'

Graphics File Created: 15-Dec-2010 02:32

OP System Version: 18C0-147

HILTB-CTS18C0-147

Output DLIS Files

DEFAULTAIT\_TLD\_MCFL\_CNL\_006LUPFN:5PRODUCER15-Dec-2010 02:32

Schlumberger

MAIN TRIPLE COMBO LOG 5" = 100'

MAXIS Field Log

Output DLIS Files

DEFAULTAIT\_TLD\_MCFL\_CNL\_006LUPFN:5PRODUCER15-Dec-2010 02:322754.0 FT431.0 FT

Integrated Hole/Cement Volume Summary

Hole Volume = 480.22 F3

Cement Volume = 225.70 F3 (assuming 4.50 IN casing O.D.)

Computed from 2752.0 FT to 448.0 FT using data channel(s) HCAL

OP System Version: 18C0-147

HILTB-CTS18C0-147

Changed Parameter Summary

DLIS Name	New Value	Previous Value	Depth & Time
BHT	90 DEGF	90 DEGF	2643.6 02:35:21

PIP SUMMARY

Integrated Hole Volume Minor Pip Every 10 F3

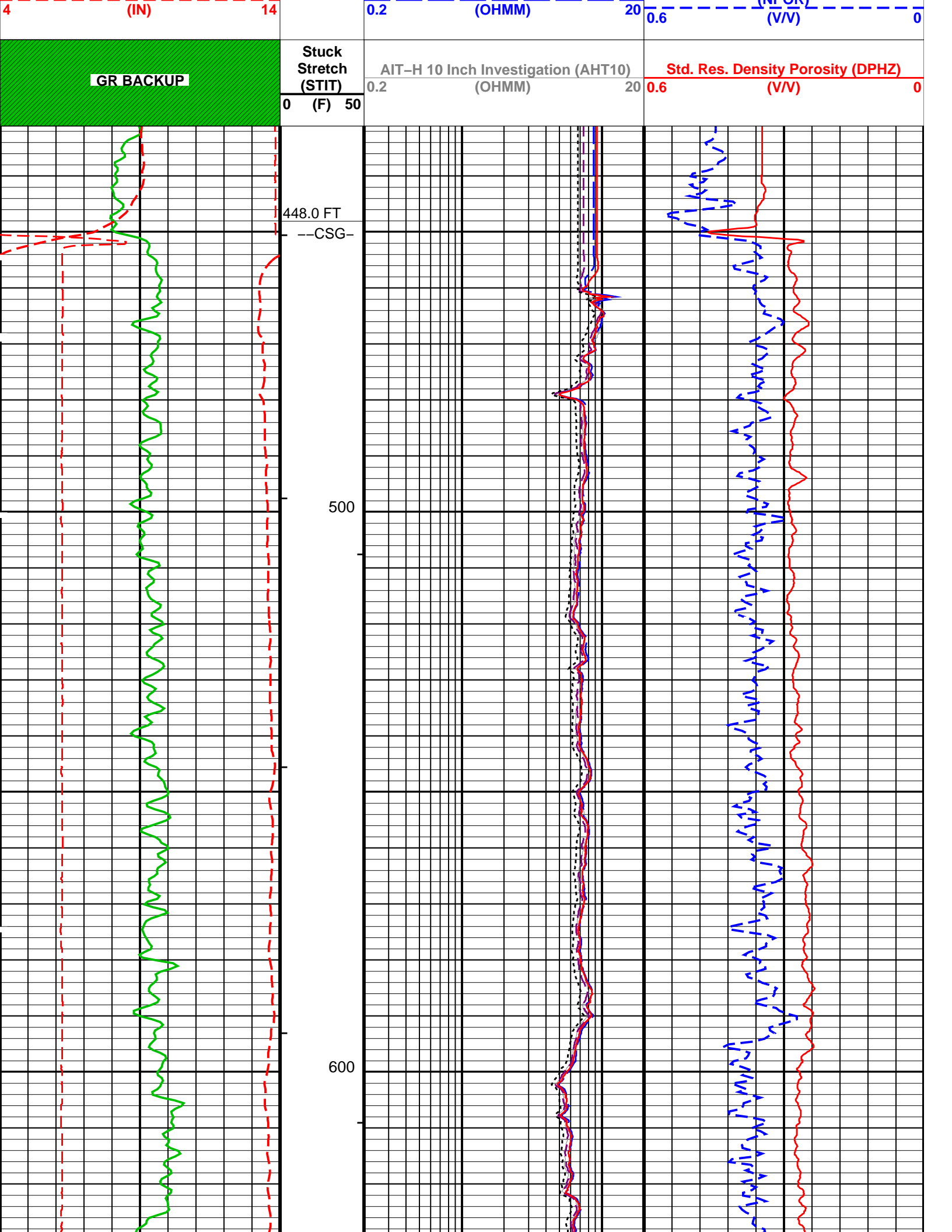
Integrated Hole Volume Major Pip Every 100 F3

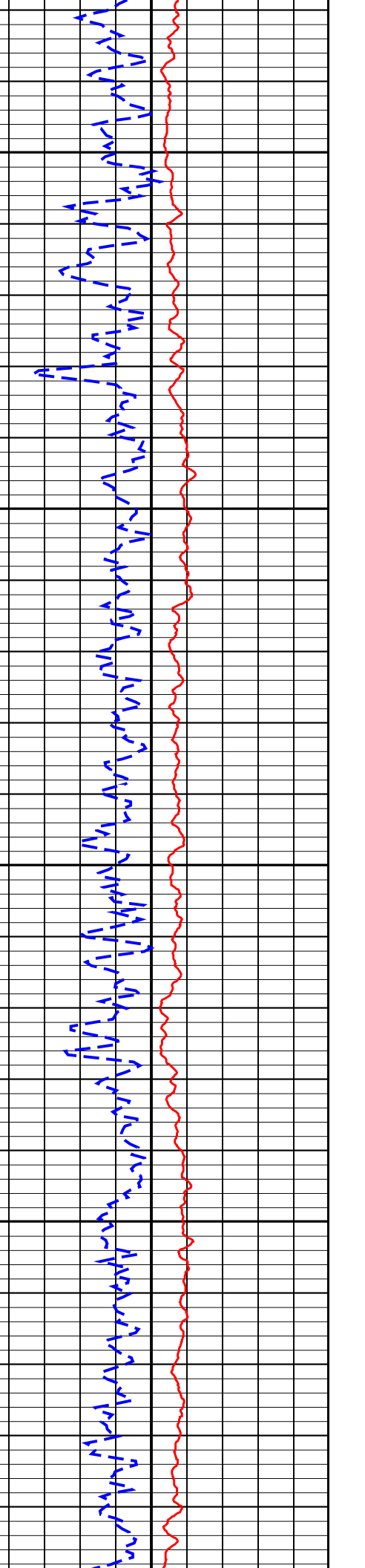
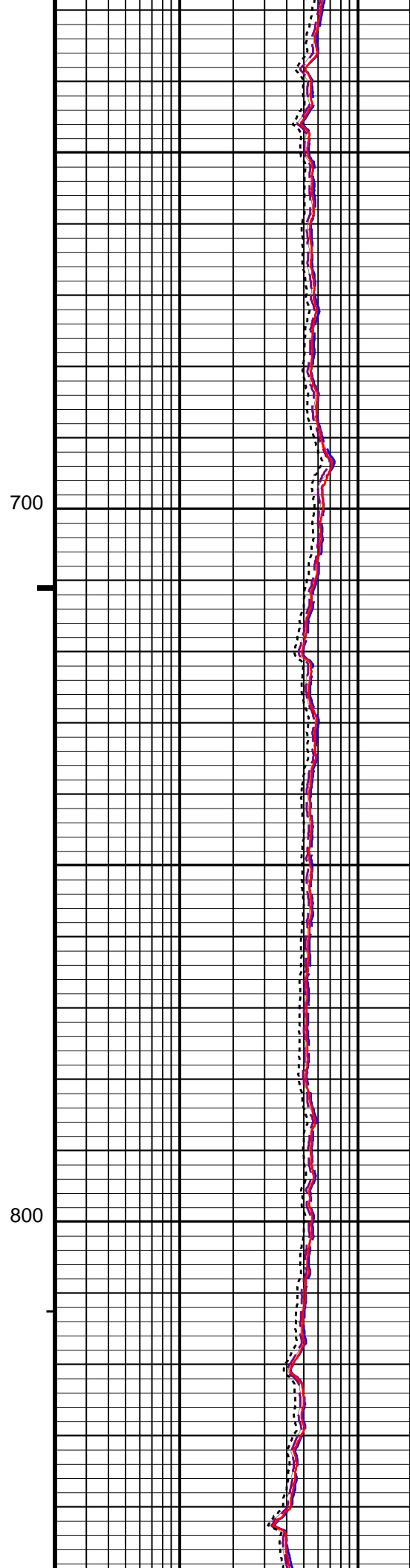
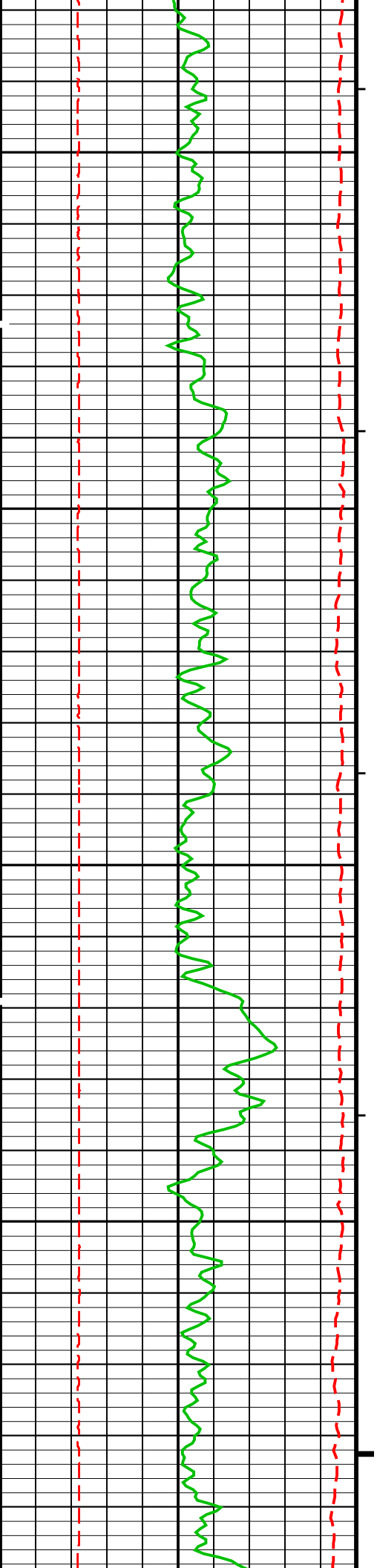
Integrated Cement Volume Minor Pip Every 10 F3

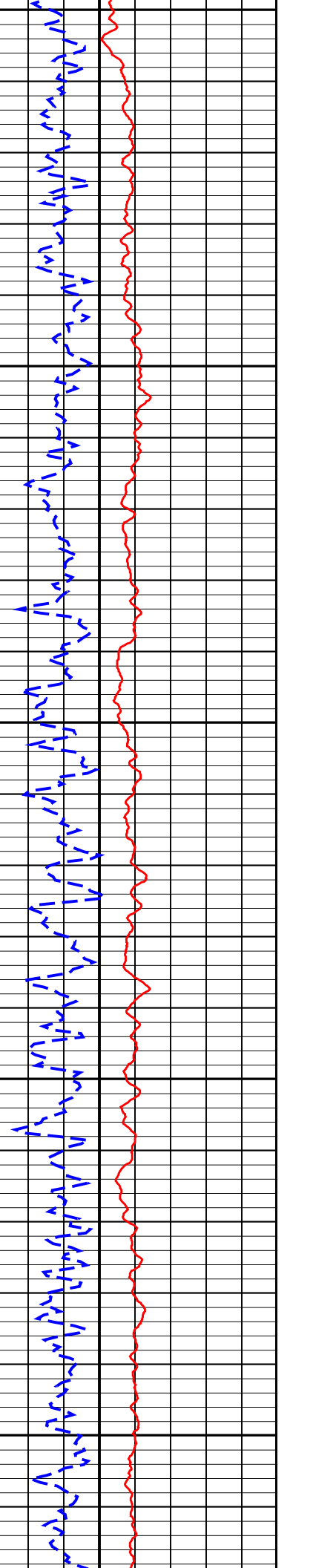
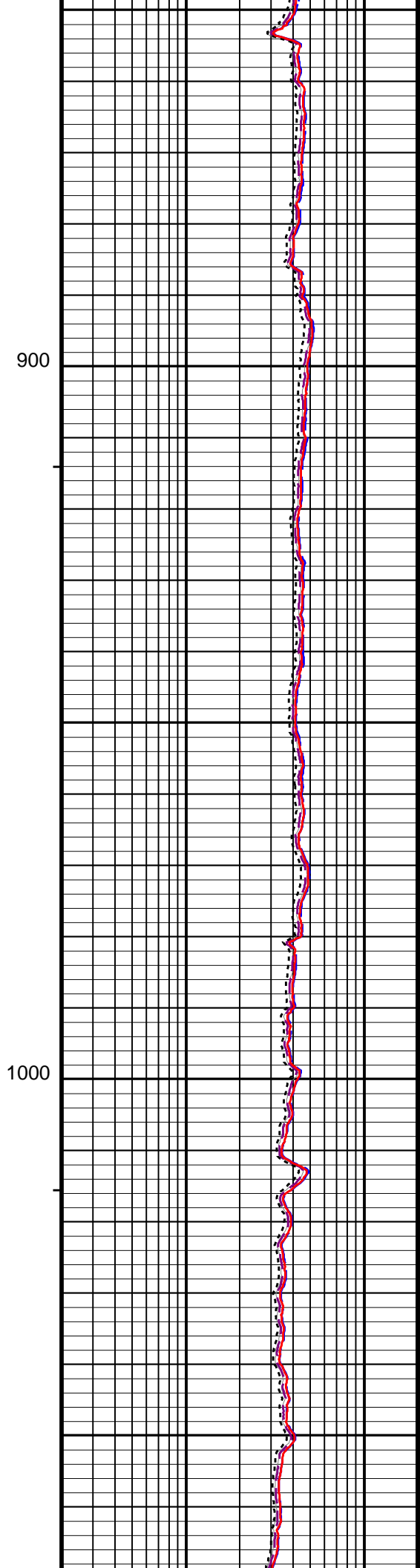
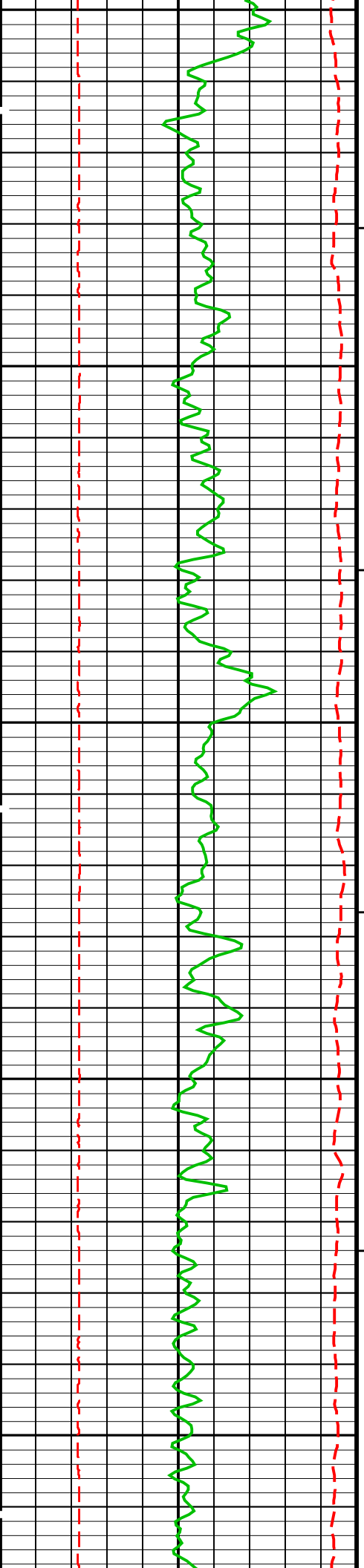
Integrated Cement Volume Major Pip Every 100 F3

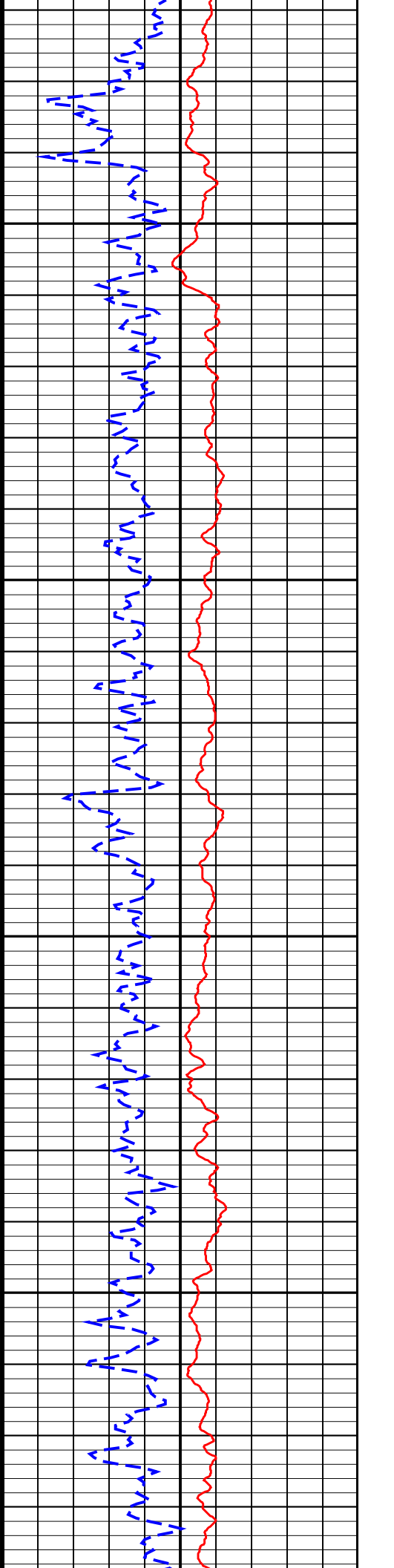
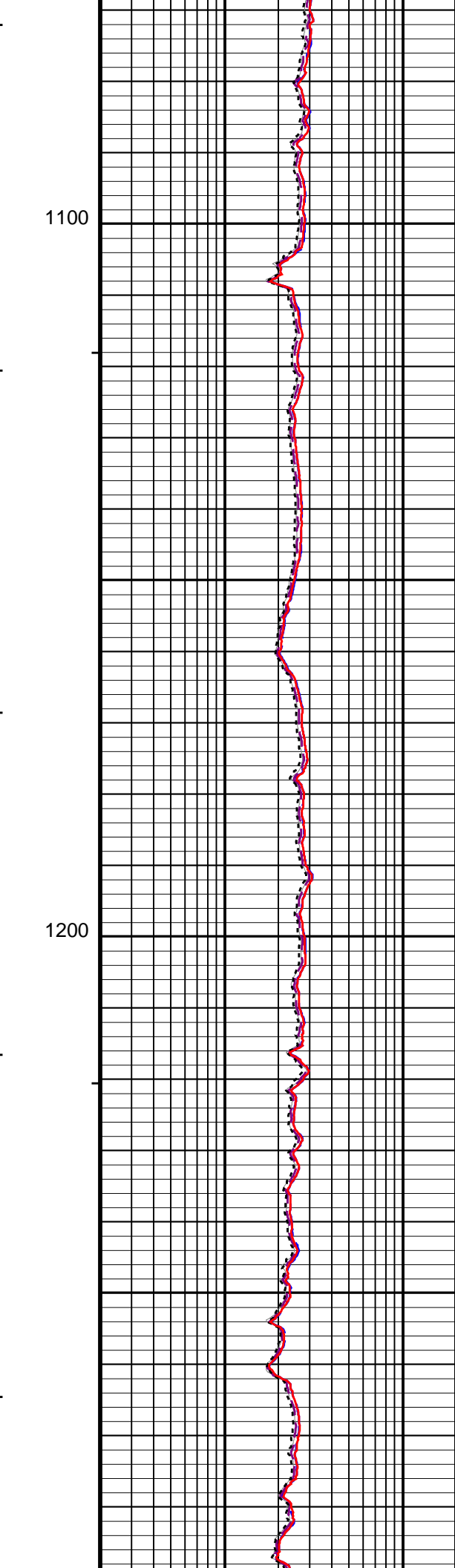
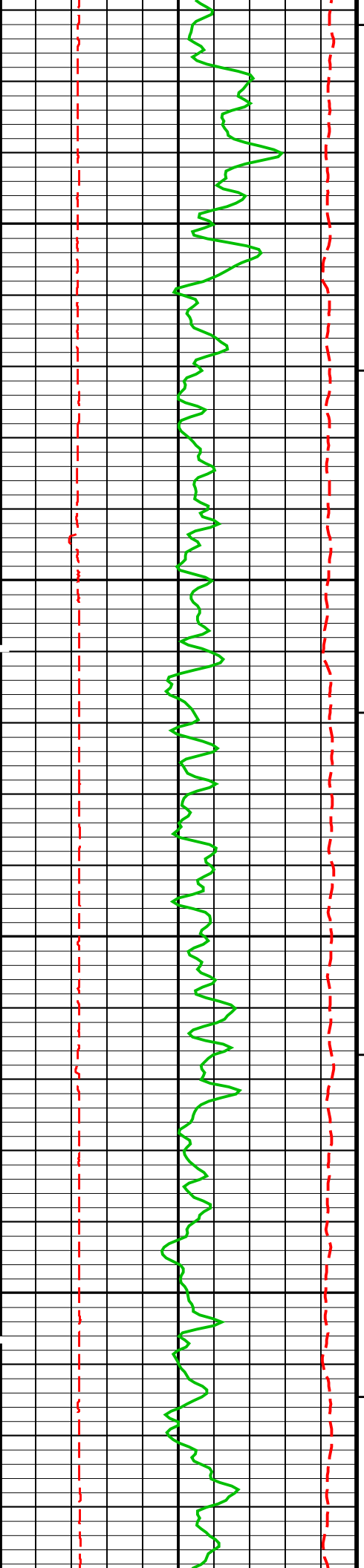
Time Mark Every 60 S

	AIT-H 90 Inch Investigation (AHT90)	
	0.2 (OHMM) 20	
SP (SP) -160 (MV) 40	AIT-H 20 Inch Investigation (AHT20)	NPOR BACKUP
	0.2 (OHMM) 20	
Gamma Ray (GR) 0 (GAPI) 200	AIT-H 30 Inch Investigation (AHT30)	Gas Effect
	0.2 (OHMM) 20	
HILT Caliper (HCAL)	AIT-H 60 Inch Investigation (AHT60)	Alpha Processed Neutron Porosity (NPOR)

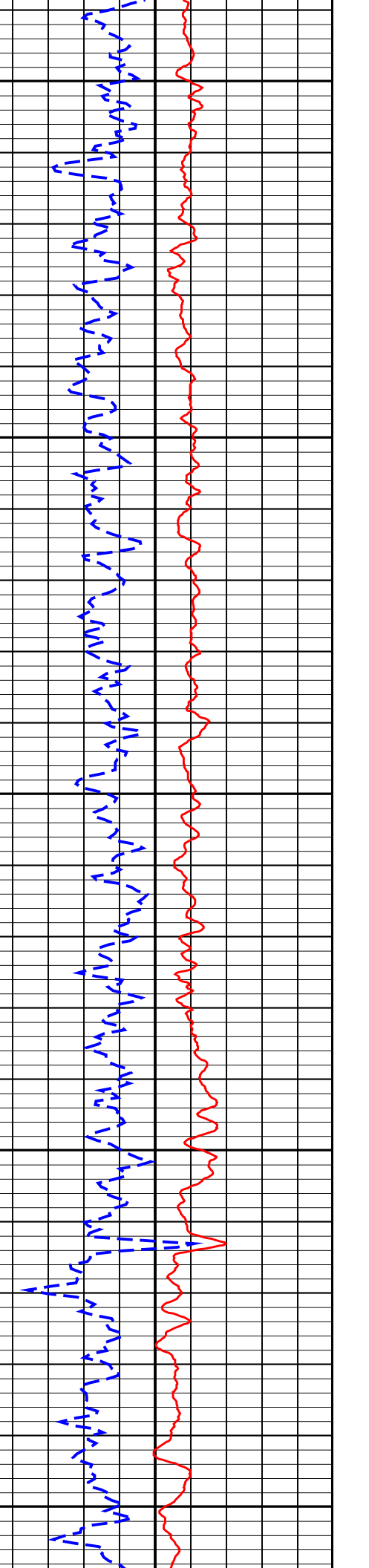
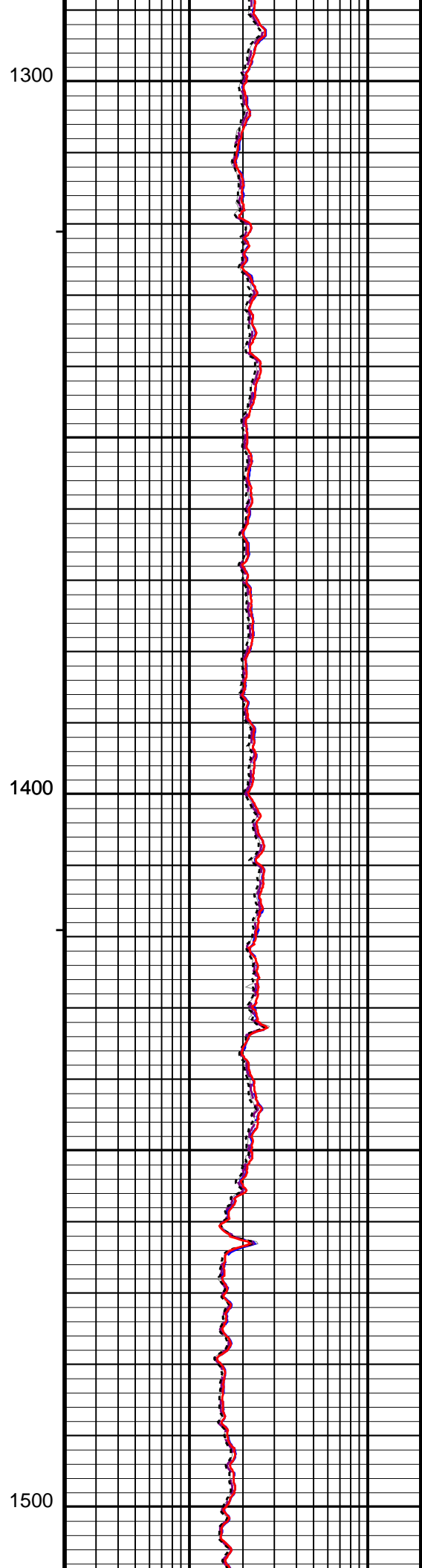
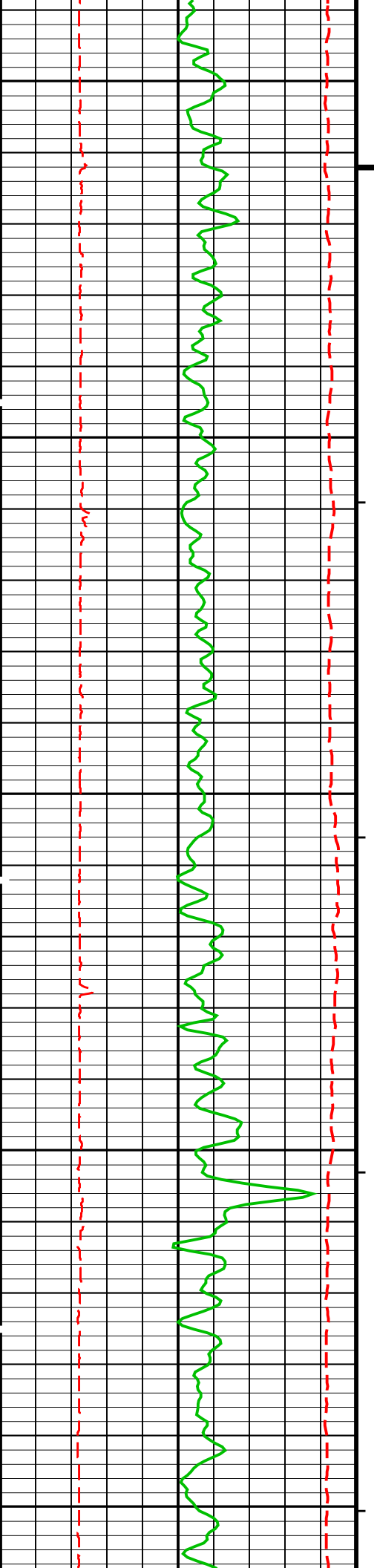


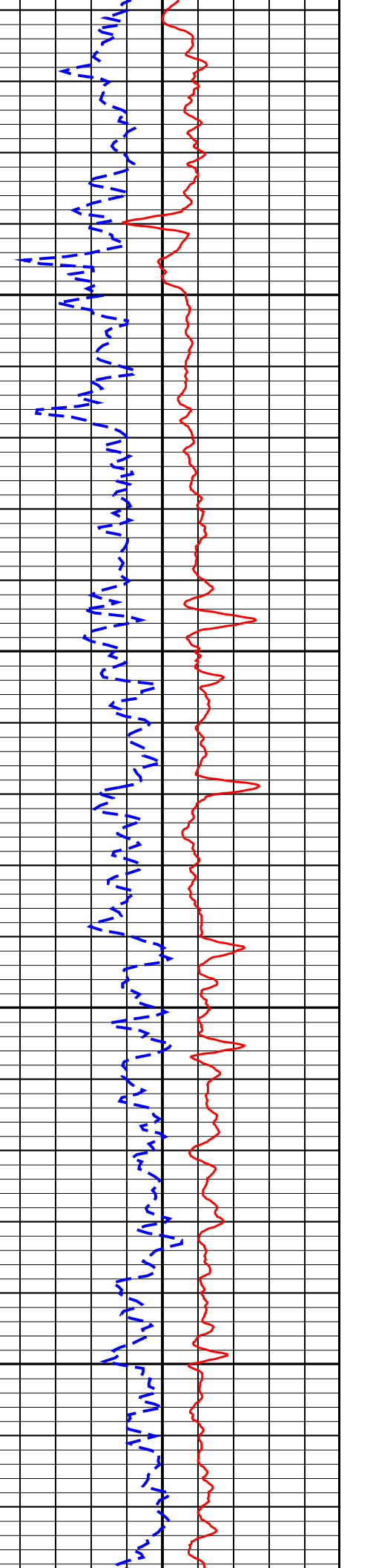
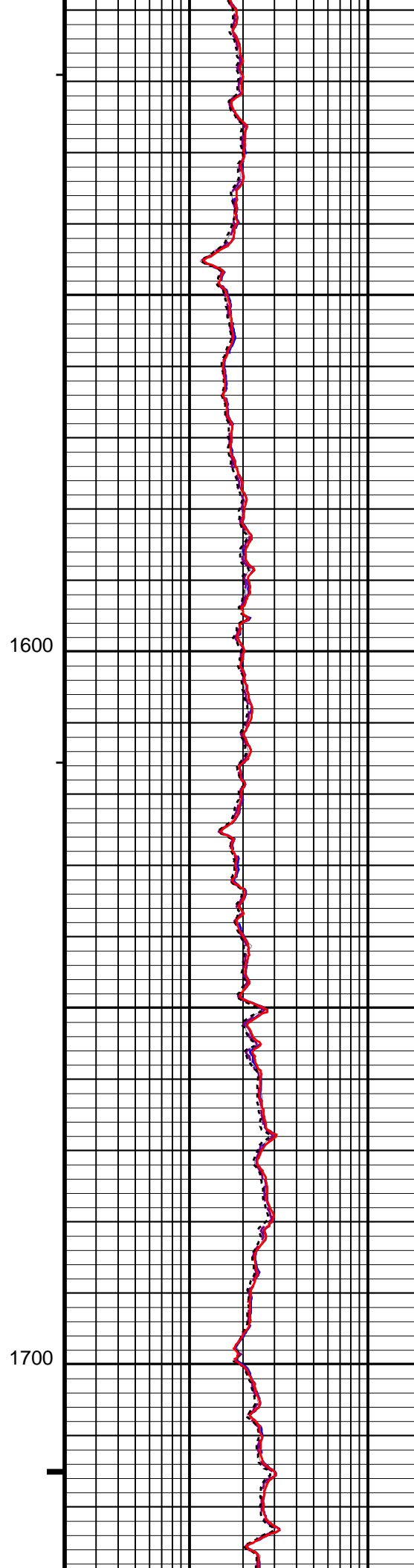
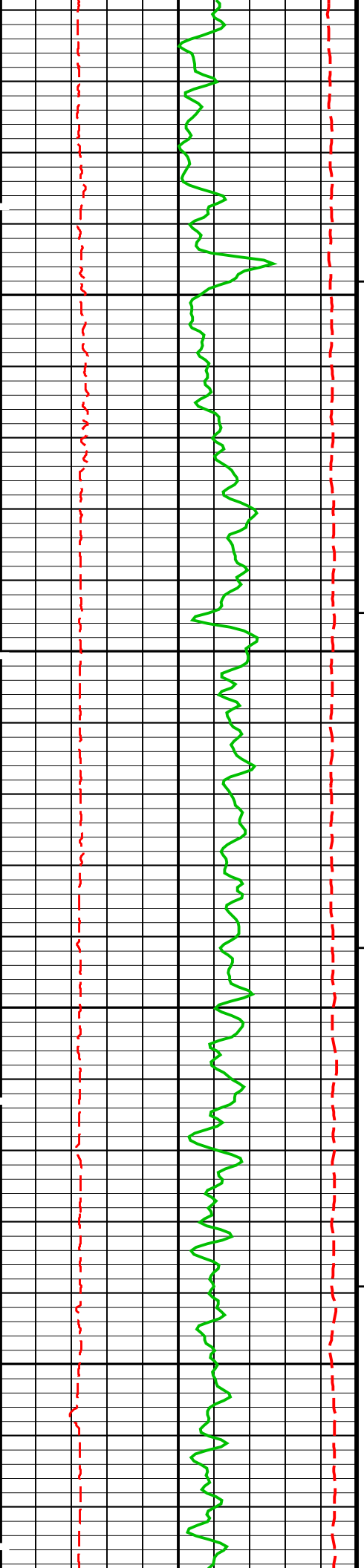


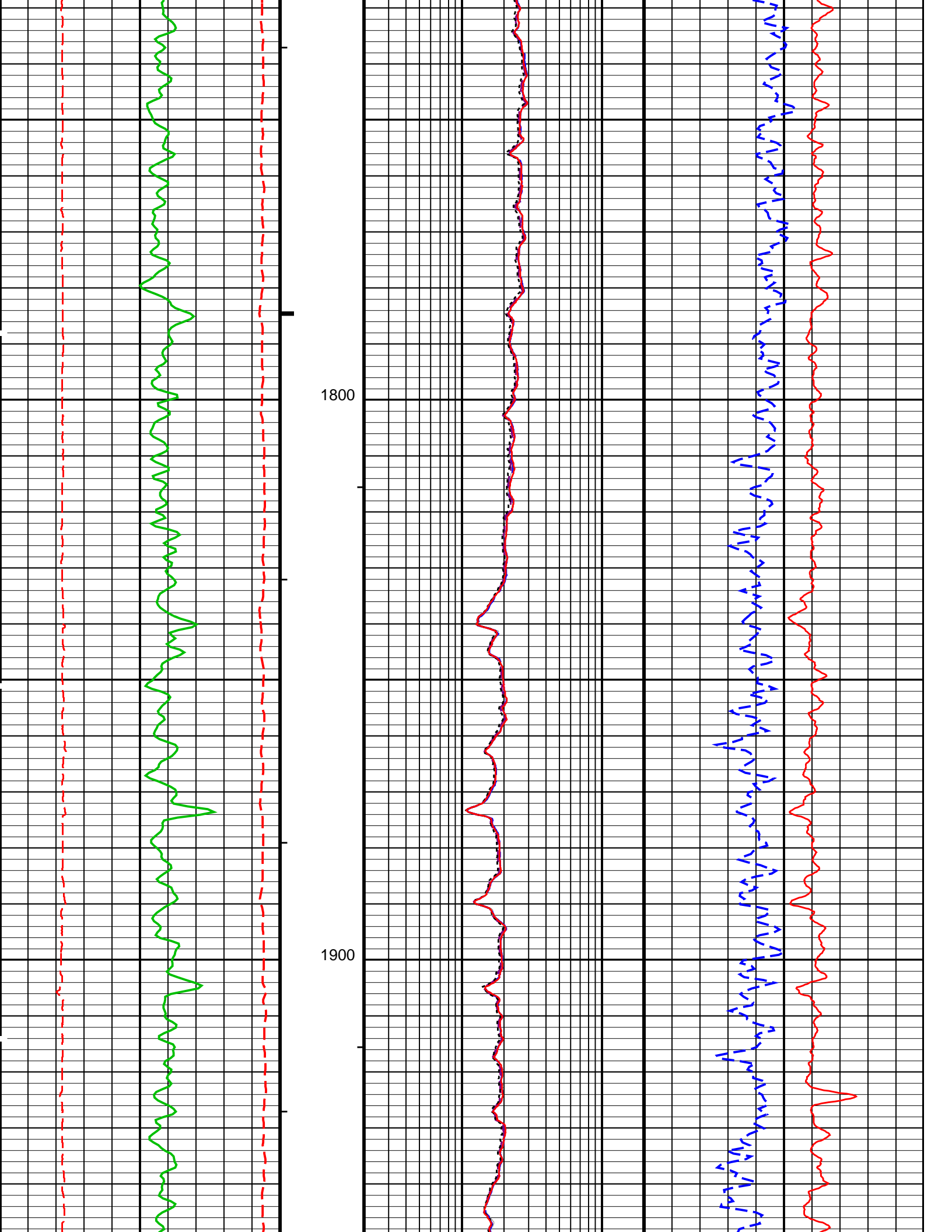


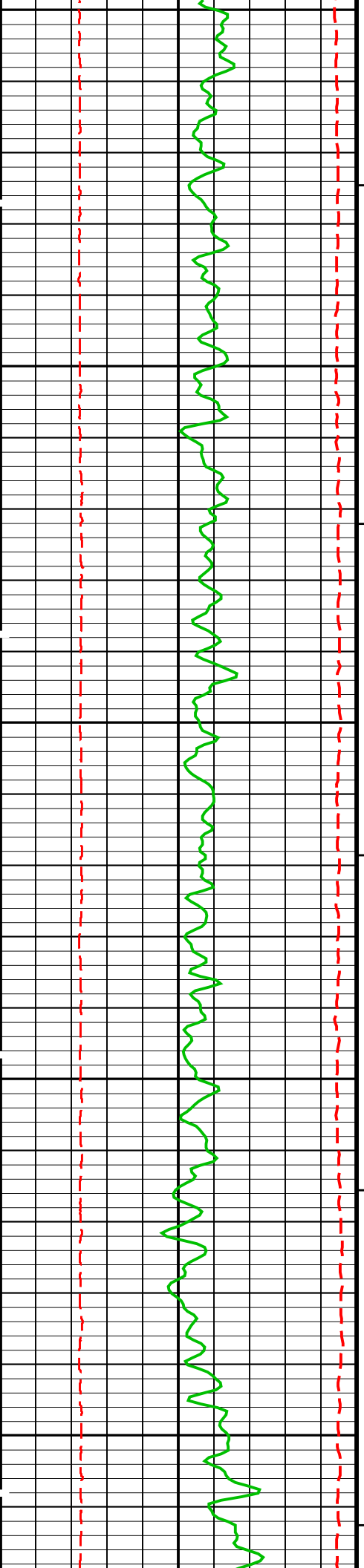






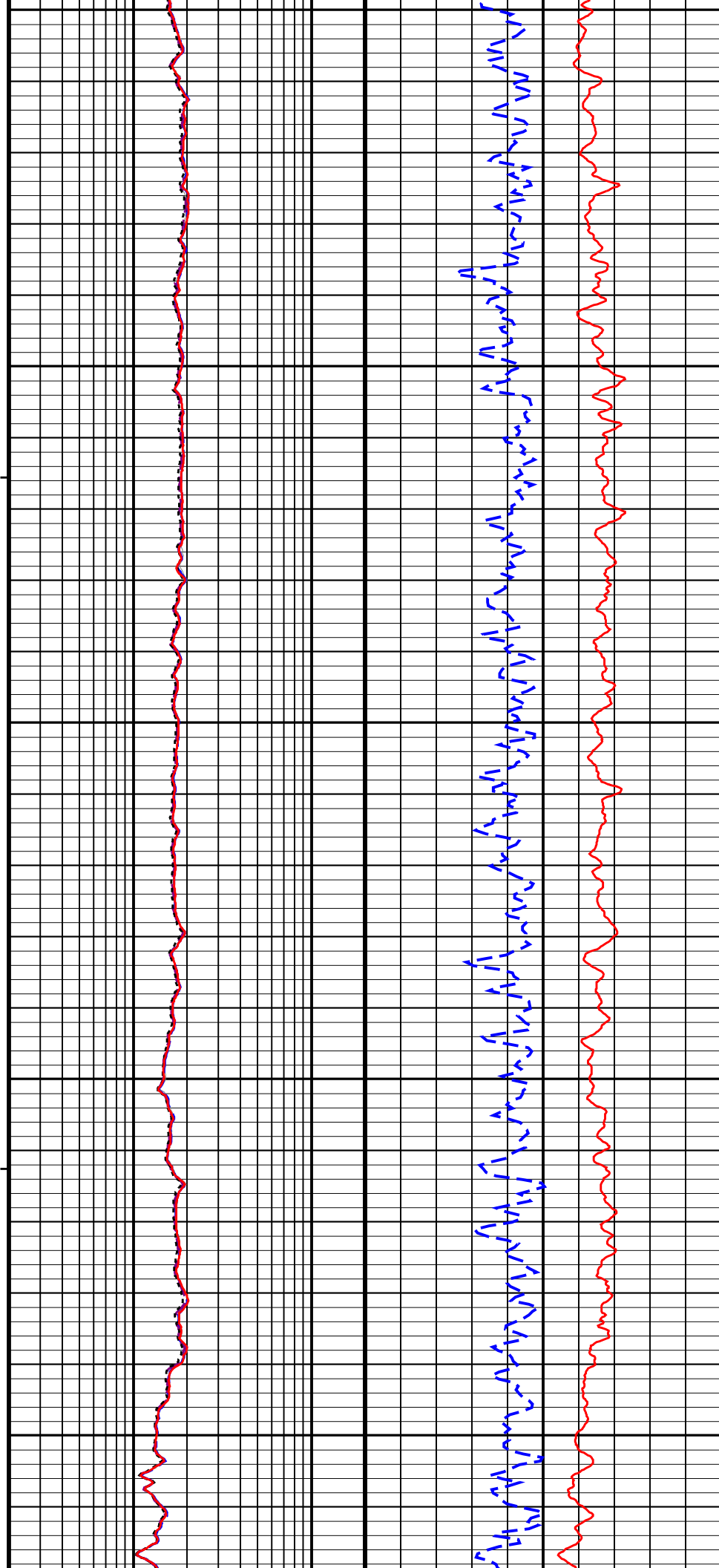


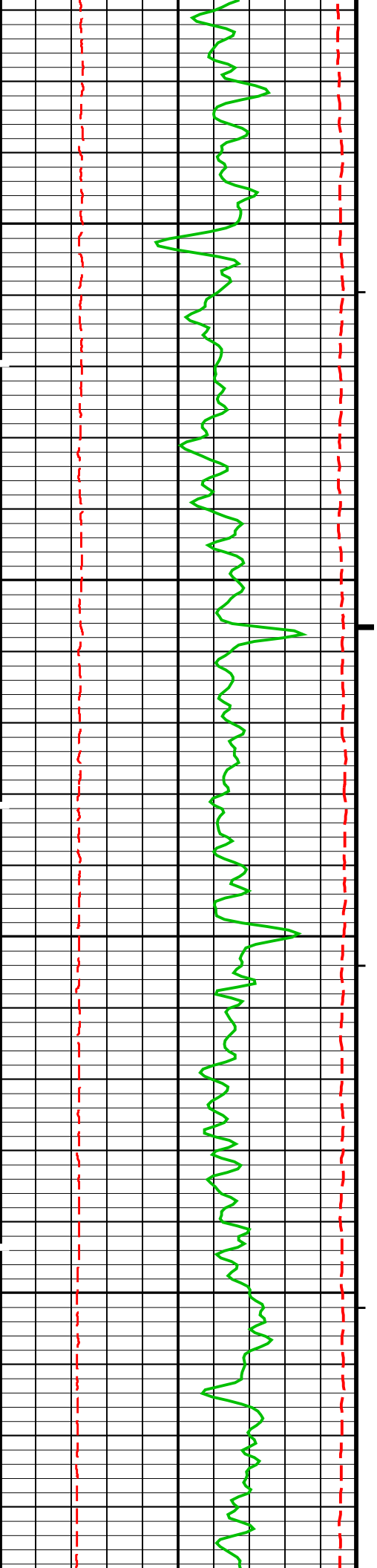




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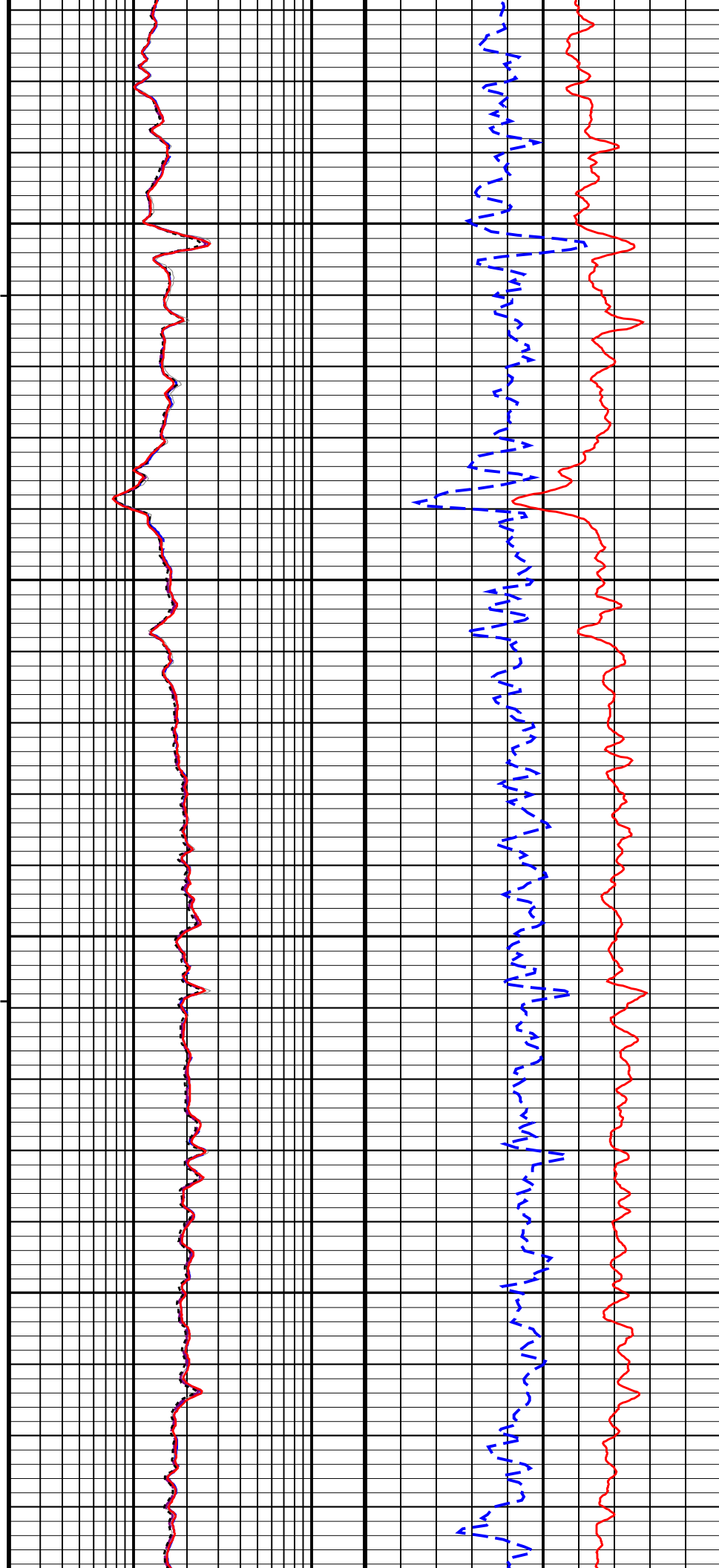
2100

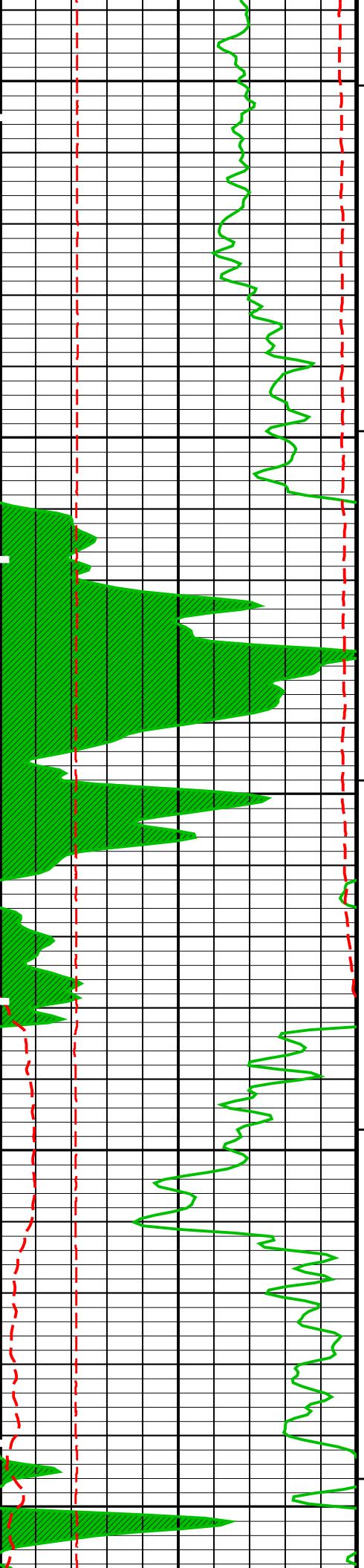




2200

2300

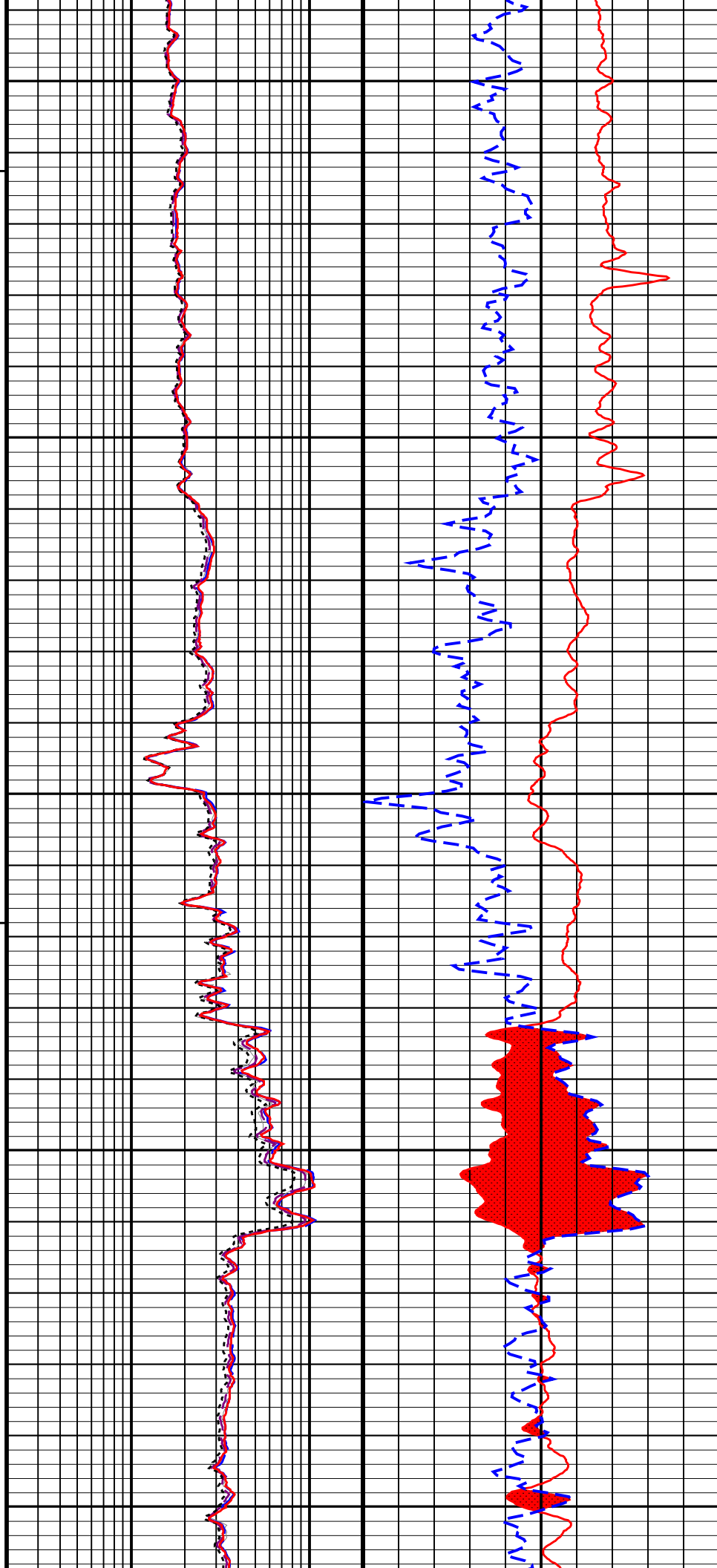


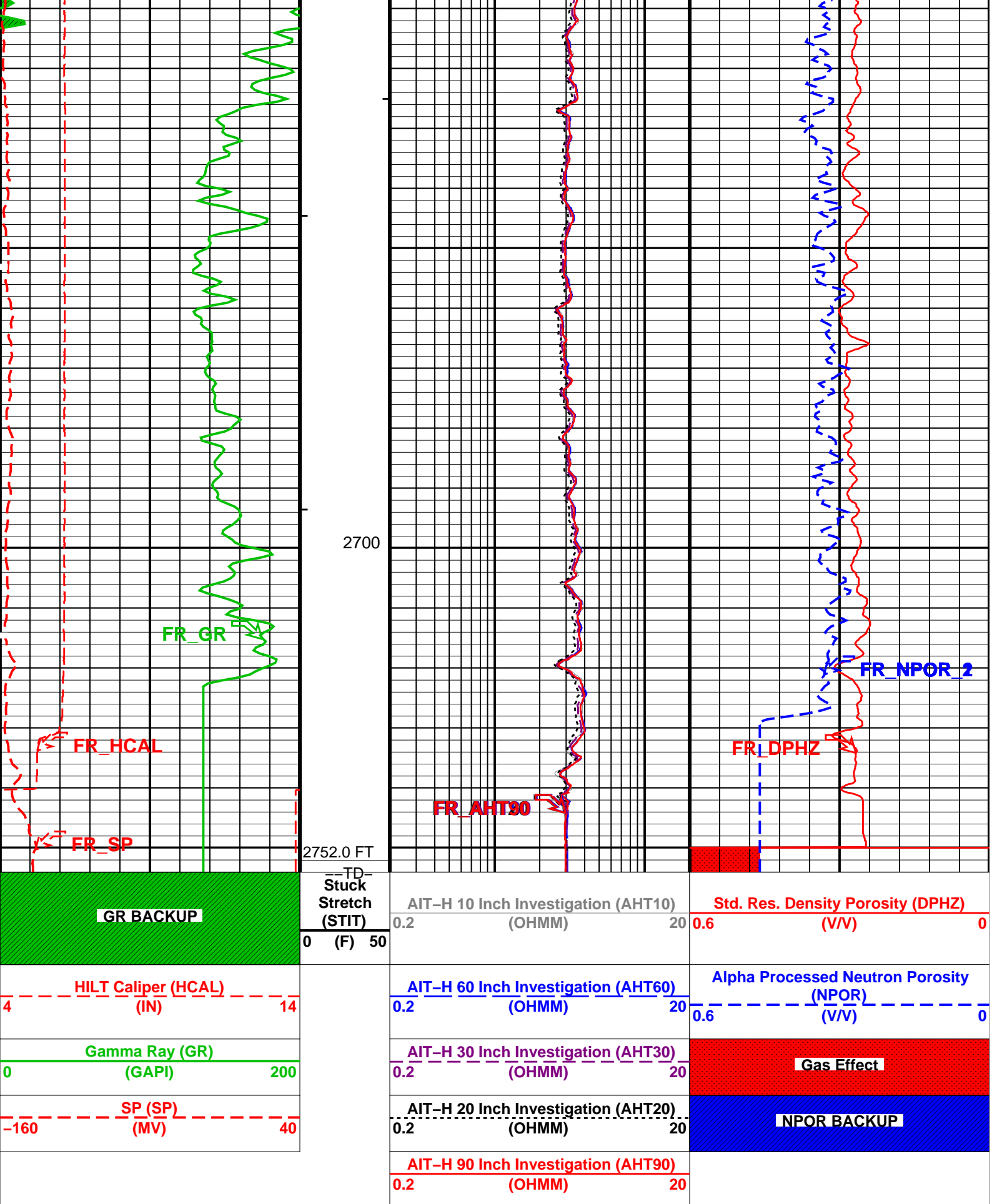


2400

2500

2600





### 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)	90	DEGF
BSCO	Borehole Salinity Correction Option	NO	
CSCO	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)	90	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)	90	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
TRD	Total Depth Driller	2752.28	FT



TDD	Total Depth - Driller	2752.00	FT
TDL	Total Depth - Logger	2752.00	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	20.00	LB/F
DORL	Depth Offset for Repeat Analysis	0.0	FT
FLEV	Fluid Level	20.00	FT
MST	Mud Sample Temperature	50.00	DEGF
RMFS	Resistivity of Mud Filtrate Sample	0.1950	OHMM
TD	Total Depth	2752	FT

Format: COMBO\_LOG

Vertical Scale: 5" per 100'

Graphics File Created: 15-Dec-2010 02:32

OP System Version: 18C0-147

HILTB-CTS18C0-147

Output DLIS Files

DEFAULTAIT\_TLD\_MCFL\_CNL\_006LUPFN:5PRODUCER15-Dec-2010 02:32

Schlumberger

REPEAT TRIPLE COMBO 5" = 100'

MAXIS Field Log

Input DLIS Files

DEFAULTAIT\_TLD\_MCFL\_CNL\_005LUPFN:4PRODUCER15-Dec-2010 02:182754.0 FT2292.2 FT

Output DLIS Files

DEFAULTAIT\_TLD\_MCFL\_CNL\_006LUPFN:5PRODUCER15-Dec-2010 02:32

OP System Version: 18C0-147

HILTB-CTS18C0-147

Changed Parameter Summary			
DLIS Name	New Value	Previous Value	Depth & Time
BHT	90 DEGF	90 DEGF	2643.6 02:35:21

PIP SUMMARY

Integrated Hole Volume Minor Pip Every 10 F3

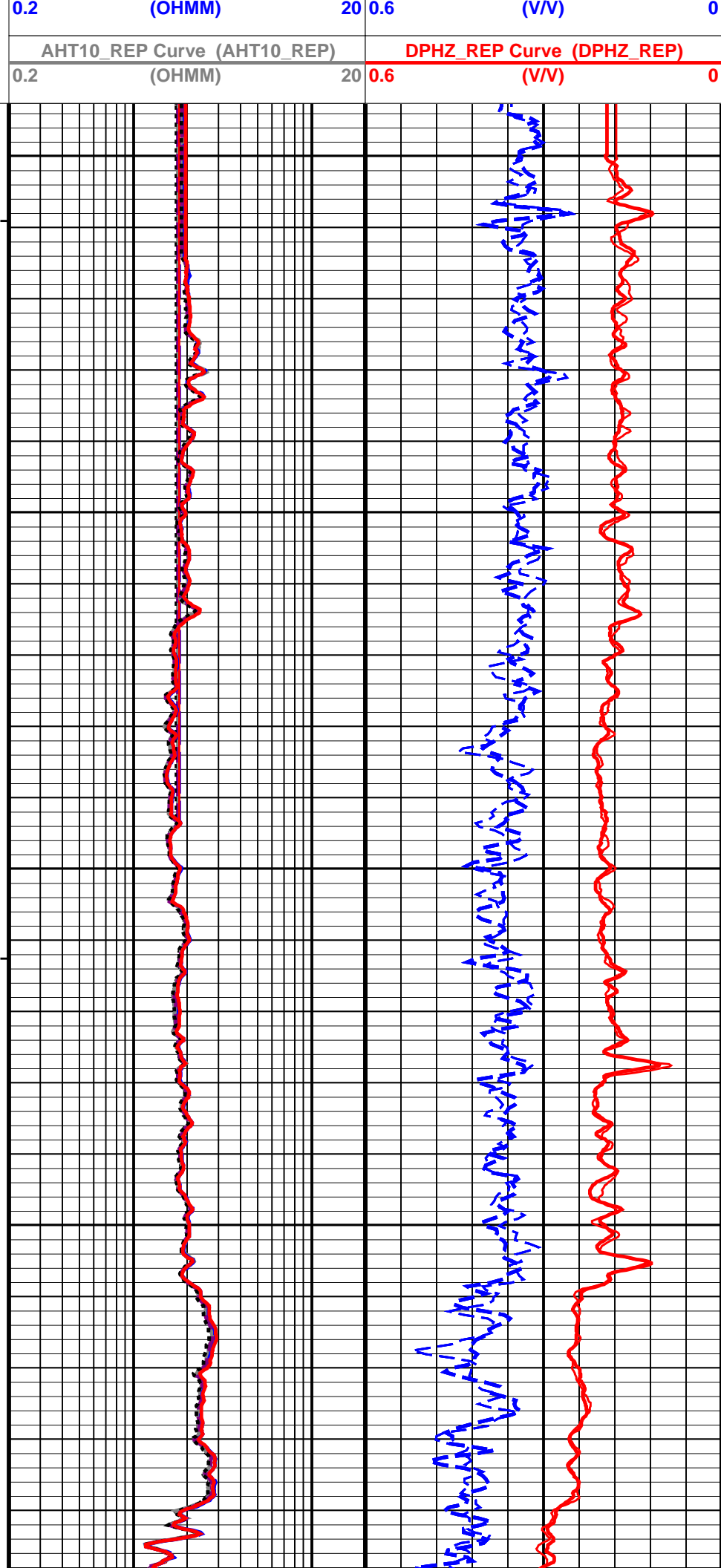
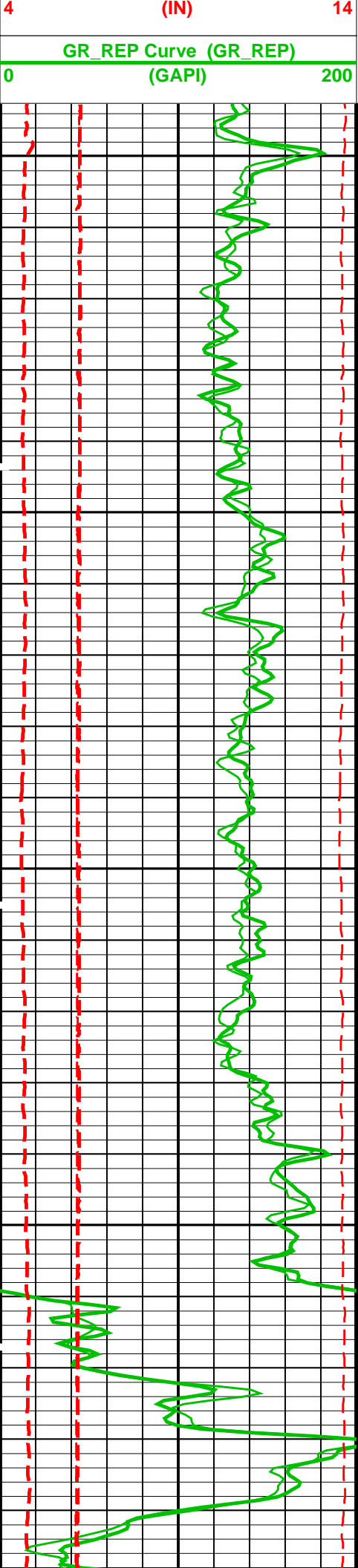
Integrated Hole Volume Major Pip Every 100 F3

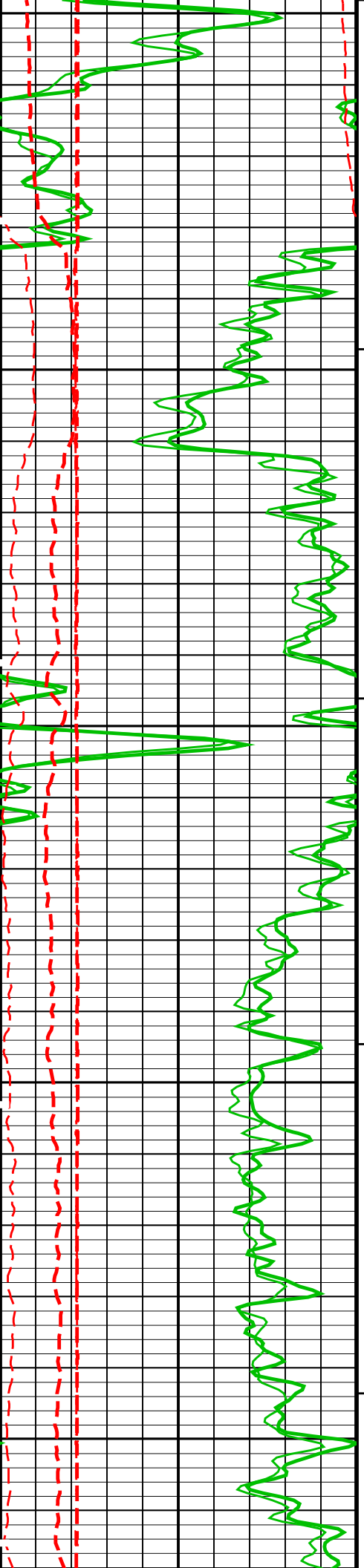
Integrated Cement Volume Minor Pip Every 10 F3

Integrated Cement Volume Major Pip Every 100 F3

Time Mark Every 60 S

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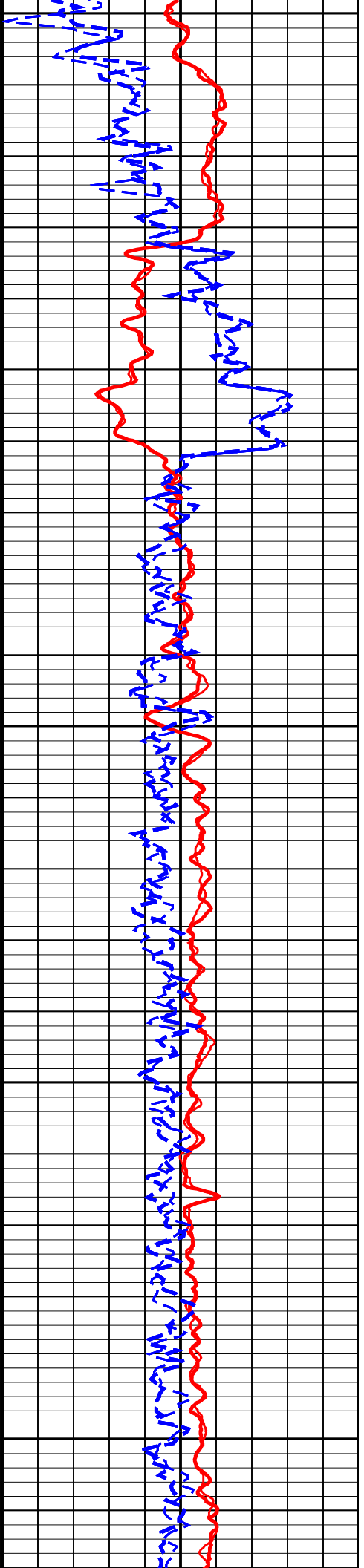
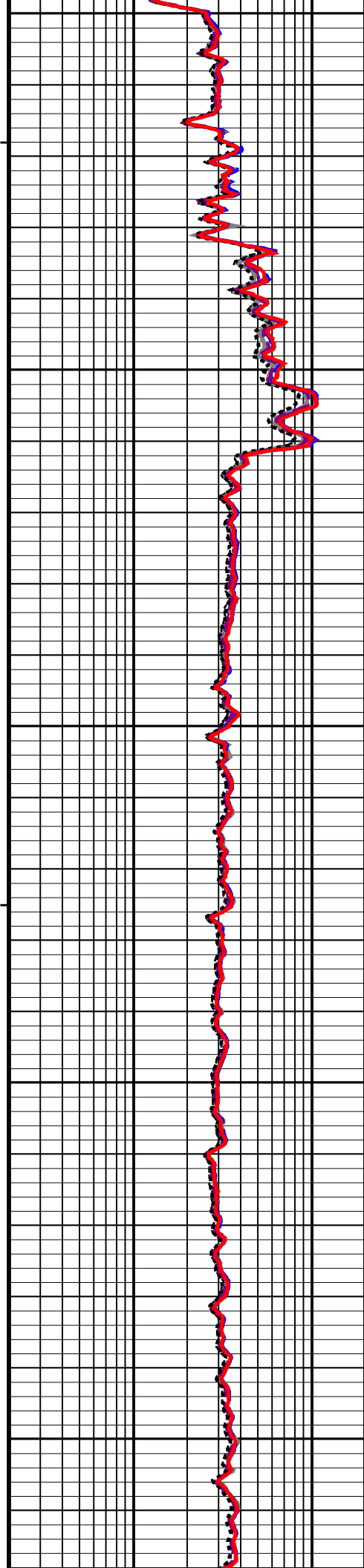


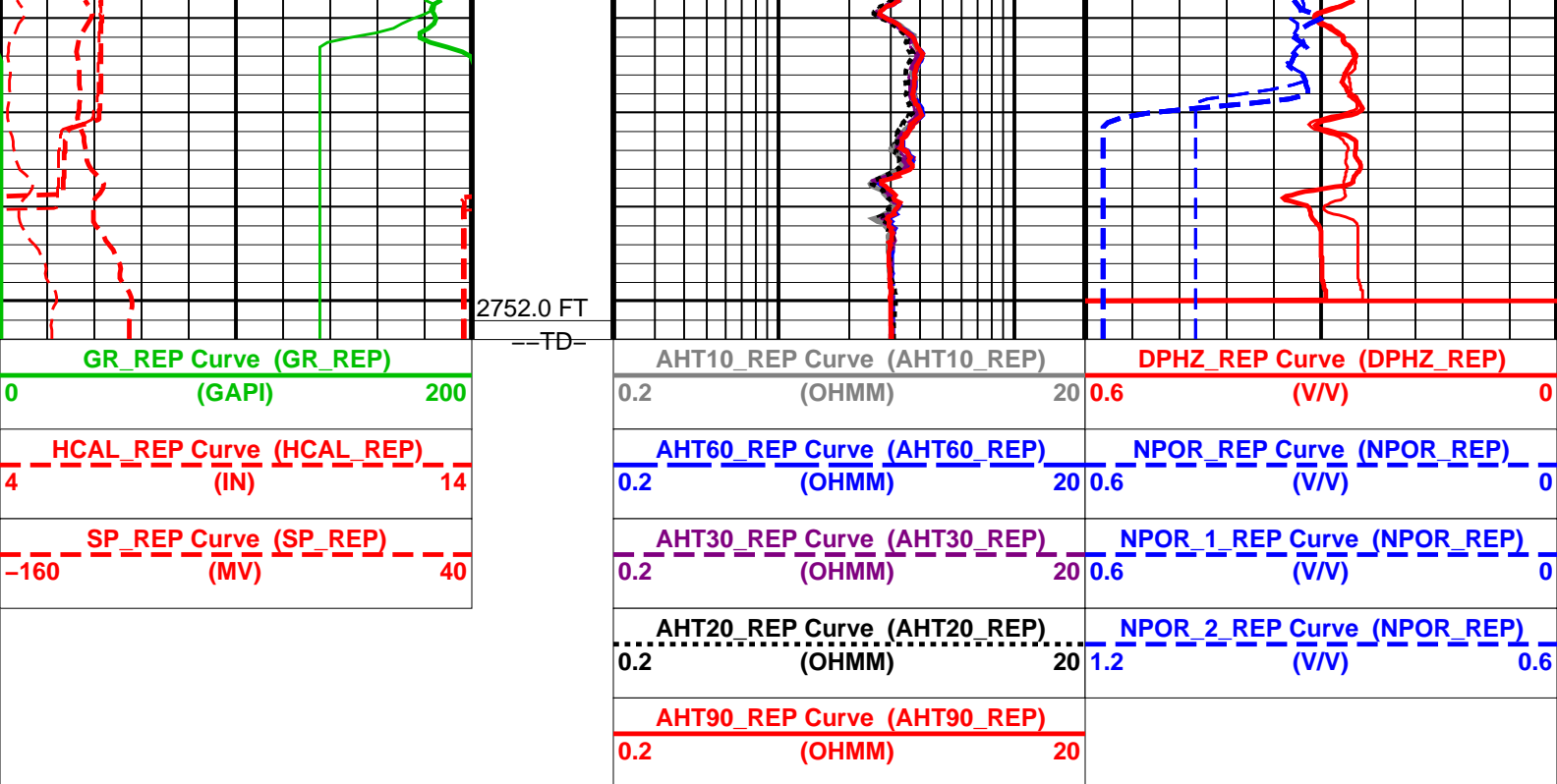


2500

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)	90 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)	90	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)	90	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	2752.00	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	20.00	LB/F
DORL	Depth Offset for Repeat Analysis	0.0	FT
FLEV	Fluid Level	20.00	FT
MST	Mud Sample Temperature	50.00	DEGF
RMFS	Resistivity of Mud Filtrate Sample	0.1950	OHMM
TD	Total Depth	2752	FT

Format: COMBO\_LOG\_REP      Vertical Scale: 5" per 100'      Graphics File Created: 15-Dec-2010 02:32

## OP System Version: 18C0-147

HILTB-CTS      18C0-147

### Input DLIS Files

DEFAULT	AIT_TLD_MCFL_CNL_005LUP	FN:4	PRODUCER	15-Dec-2010 02:18	2754.0 FT	2292.2 FT
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### Output DLIS Files

DEFAULT	AIT_TLD_MCFL_CNL_006LUP	FN:5	PRODUCER	15-Dec-2010 02:32
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Company: **Noble Energy Inc.**

**Schlumberger**

Well: **Gardner Trusts 34-29**

Field: **Schramm**

County: **Yuma**

State: **Colorado**

Platform Express  
Triple Combo

