

Company: CONOCOPHILLIPS CANADA RESOURCES CORP.

Well: COPRC DODO CANYON E76

Field: DODO CANYON

Province: NORTHWEST TERRITORIES

PLATFORM EXPRESS ***TVD***

ARRAY INDUCTION LOG

Province: NORTHWEST TERRITORIES
Field: DODO CANYON
Location: UNIT E SECTION 76
Well: COPRC DODO CANYON E76
Company: CONOCOPHILLIPS CANADA RESOURCES CO

Location:		UNIT E SECTION 76 300E766510126450 NORTHING: 7219874.66 EASTING: 594010.01	Elev.: K.B. 273.40 m G.L. 268.20 m D.F. 273.10 m
Permanent Datum:	Ground Level	Elev.: 268.20	
Log Measured From:	Kelly Bushing	5.20 m	above Perm.Datum
Drilling Measured From:	Kelly Bushing		
API Serial No.	EL470	Longitude: 126° 59' 58" W	Latitude: 65° 5' 27" N

Logging Date	14-Jan-2014	
Run Number	1.1	
Depth Driller	1908.00 m	
Schlumberger Depth	1819.10 m	
Bottom Log Interval	1816.69 m	
Top Log Interval	603.00 m	
Casing Driller Size @ Depth	244.5 mm @ 603.00 m	
Casing Schlumberger	603 m	
Bit Size	222 mm	
Type Fluid In Hole	INVERT	
Density	1025 kg/m3	75 s
Fluid Loss	PH	
Source of Sample	N/A	
RM @ Meas Temp	N/A	
RMF @ Meas Temp	N/A	
RMC @ Meas Temp	N/A	
Source RMF	RMC	N/A
RM @ BHT	RMF @ BHT	N/A
Max Recorded Temperatures	71.5 degC	
Circulation Stopped	14-Jan-2014	07:20:00
Logger on Bottom	14-Jan-2014	18:25:00
Unit Number	3139	GRANDE PRAIRIE
Recorded By	JEFFREY TATLOCK	
Witnessed By	DAVID LAWRENCE	

Disclaimer

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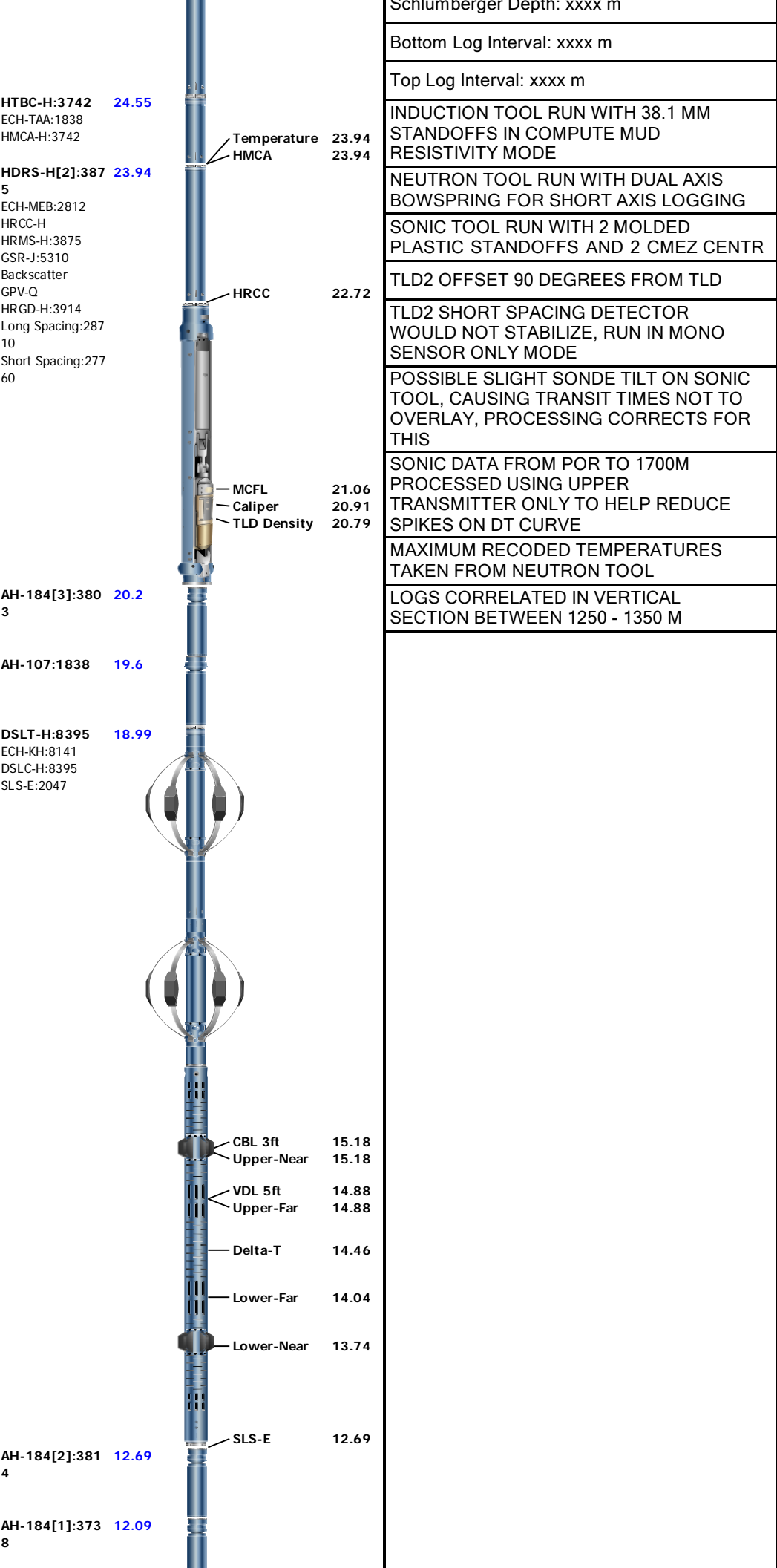
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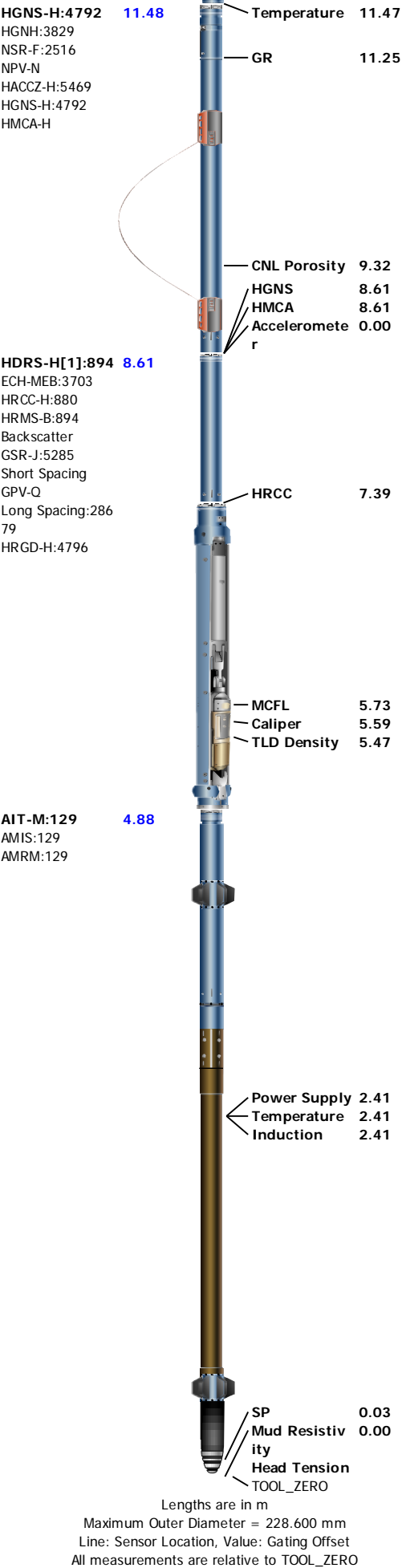
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 - 8.1 Integration Summary
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 - 8.4 Log (AIT-120)

11. Tail

Parameter(unit)	1.1					
Fluid Type	Oil					
Fluid Name	INVERT					
Max Recorded Temperatures (degC)	71.5					
Source of Sample	N/A					
Salinity (ppm)	0					
Density (kg/m3)	1025					
Funnel Viscosity (s)	75					
Fluid Loss (cm3)						
PH						
Date/Time Circulation Stopped	14-Jan-2014 07:20:00					
Date Logger on Bottom	14-Jan-2014					
Time Logger on Bottom	18:25:00					
Source RMF	N/A					
RMC	N/A					
RM @ Meas Temp (ohm.m@degC)	N/A					
RMF @ Meas Temp (ohm.m@degC)	N/A					
RMC @ Meas Temp (ohm.m@degC)	N/A					
RM @ BHT (ohm.m@degC)	N/A					
RMF @ BHT (ohm.m@degC)	N/A					
RMC @ BHT (ohm.m@degC)	N/A					
Electricity Stability (V)						
Oil/Water						
Total Solid (%)						
High Gravity Solids (%)						

1.1: Toolstring				1.1: Remarks
Equip name LEH-QT:2850 LEH-QT:2850	Length 28.03	MP name	Offset	ALL INTERVALS AND PRESENTATIONS AS PER CLIENT REQUEST
				RIG: BEAVER 2
				SLB CREW: JASON LEGASSIE
DTC-H:9100 ECH-KC:10172 DTC-H:9100	27.14	CTEM HV	26.86 0.00	LOGGER REQUESTED AT: 10:30 14-JAN-2014
				LOGGER ARRIVED AT: 09:30 14-JAN-2014
SGT-N:10447 SGH-K:3210 SGC-TB:10447 SGD-TAA	26.22	ToolStatus TelStatus	26.22 26.22	RIG READY AT: 15:45 14-JAN-2014
		GR	25.94	***TVD***
				Depth Driller: xxxx m
				Depth Driller: xxxxx m





Depth Summary

1.1

Depth Measuring Device

Depth Measuring Device

Type	IDW-JA		
Serial Number	6162		
Calibration Date	10-MAY-2010		
Calibrator Serial Number	4		
Calibration Cable Type	7-39 PLXS		
Wheel Correction 1	-3		
Wheel Correction 2	1		

Tension Device

Type	CMTD-B/A		
Serial Number	1293		
Calibration Date	06-SEP-2013		
Calibrator Serial Number	1111		
Number of Calibration Points	10		
Calibration Root Mean Square Error	28		
Calibration Peak Error	54		

Logging Cable

Type	7-39P-LXS		
Serial Number			
Length	3100.00 m		
Conveyance Type	Wireline		
Rig Type			

1.1:Depth Control Parameters

Log Sequence	First Log In the Well	ALL SCHLUMBERGER DEPTH CONTROL PROCEDURES FOLLOWED
Rig Up Length At Surface	56.06 m	IDW USED AS PRIMARY DEPTH CONTROL
Rig Up Length At Bottom	56.02 m	Z-CHART USED AS SECONDARY DEPTH CONTROL
Rig Up Length Correction	0.04 m	ALL LOGS CORRELATED TO DOWN LOG IN VERTICAL SECTION BETWEEN 1250 - 1350 M
Stretch Correction	1.27 m	
Tool Zero Check At Surface	0.30 m	

1.1

Software Version

Acquisition System	Version
MaxWell	4.0.9163.3000
Application Patch	Patch-SP-10767_13075-4.0.9163.3001

Computation	Description		Version
Borehole	Borehole Ensemble provides common Borehole Parameters and Channels		4.0.9213.3000
DepthCorrection	DepthCorrection		4.0.9213.3000
Tool Elements	Description	Software Version	Firmware Version
HRCC-H	HILT High-Resolution Control Cartridge, 150 degC	4.0.9231.3000	2.0
HGNS-H	HILT Gamma-Ray and Neutron Sonde, 150 degC	4.0.9231.3000	2.0
AMIS	Array Induction Sonde - M	4.0.9247.3000	1

Pass Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
1.1	Log[5]:Up	Up	543.85 m	1822.88 m	14-Jan-2014 6:48:20 PM	14-Jan-2014 8:17:20 PM	ON	-1.90 m	Yes

All depths are referenced to toolstring zero

Log	Company:CONOCOPHILLIPS CANADA RESOURCES CORP.	Well:COPRC DODO CANYON E76
		1.1: Log[5]:Up:S023

Description: MCFL processing LQC for Platform Express Format: Log (AIT-240) Index Scale: 1:240 Index Unit: m Index Type: TVD Creation Date: 18-Jan-2014 22:05:30

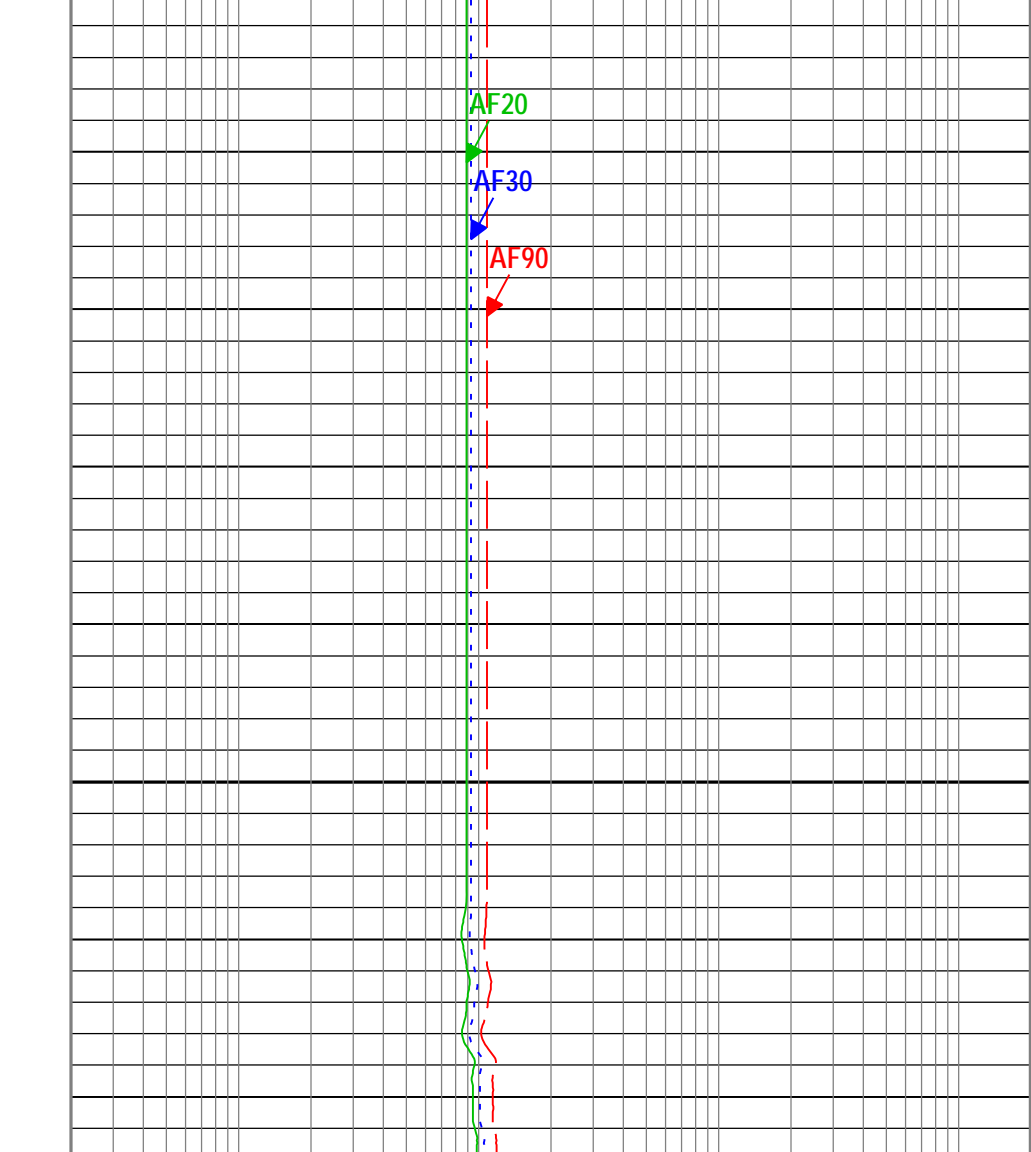
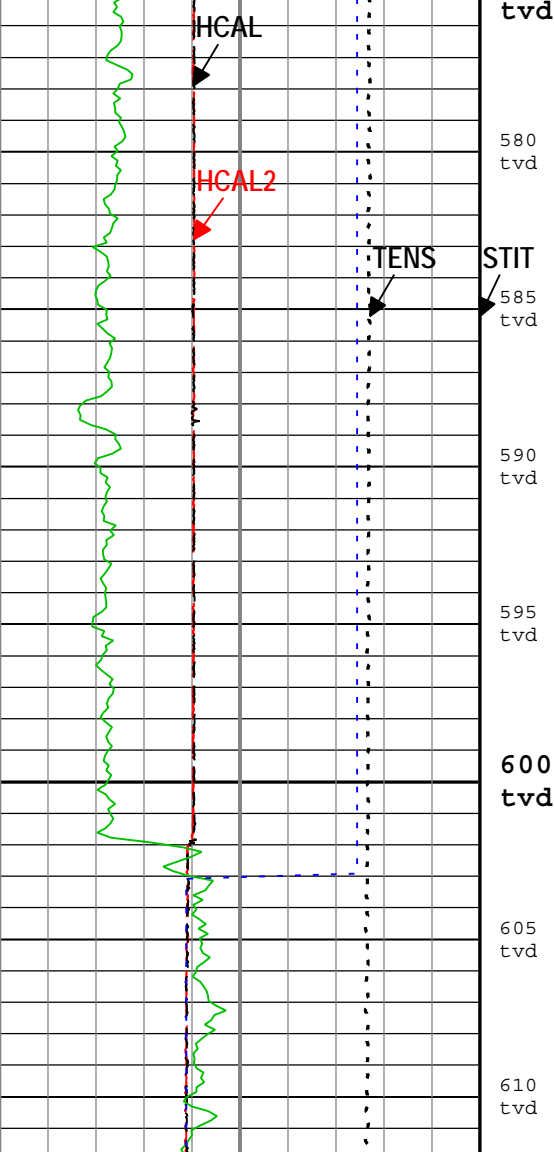
Channel	Source	Sampling
AF20	AIT-M:AMIS:AMIS	3in
AF30	AIT-M:AMIS:AMIS	3in
AF90	AIT-M:AMIS:AMIS	3in
BS	Borehole	6in
CALI.1	HDRS-H[1]:HRCC-H:HRCC-H	1in
CALI.2	HDRS-H[2]:HRCC-H:HRCC-H	1in
GR_CAL	HGNS-H:HGNS-H:HGNS-H	6in
STIT	DepthCorrection	6in
TENS	WLWorkflow	1in

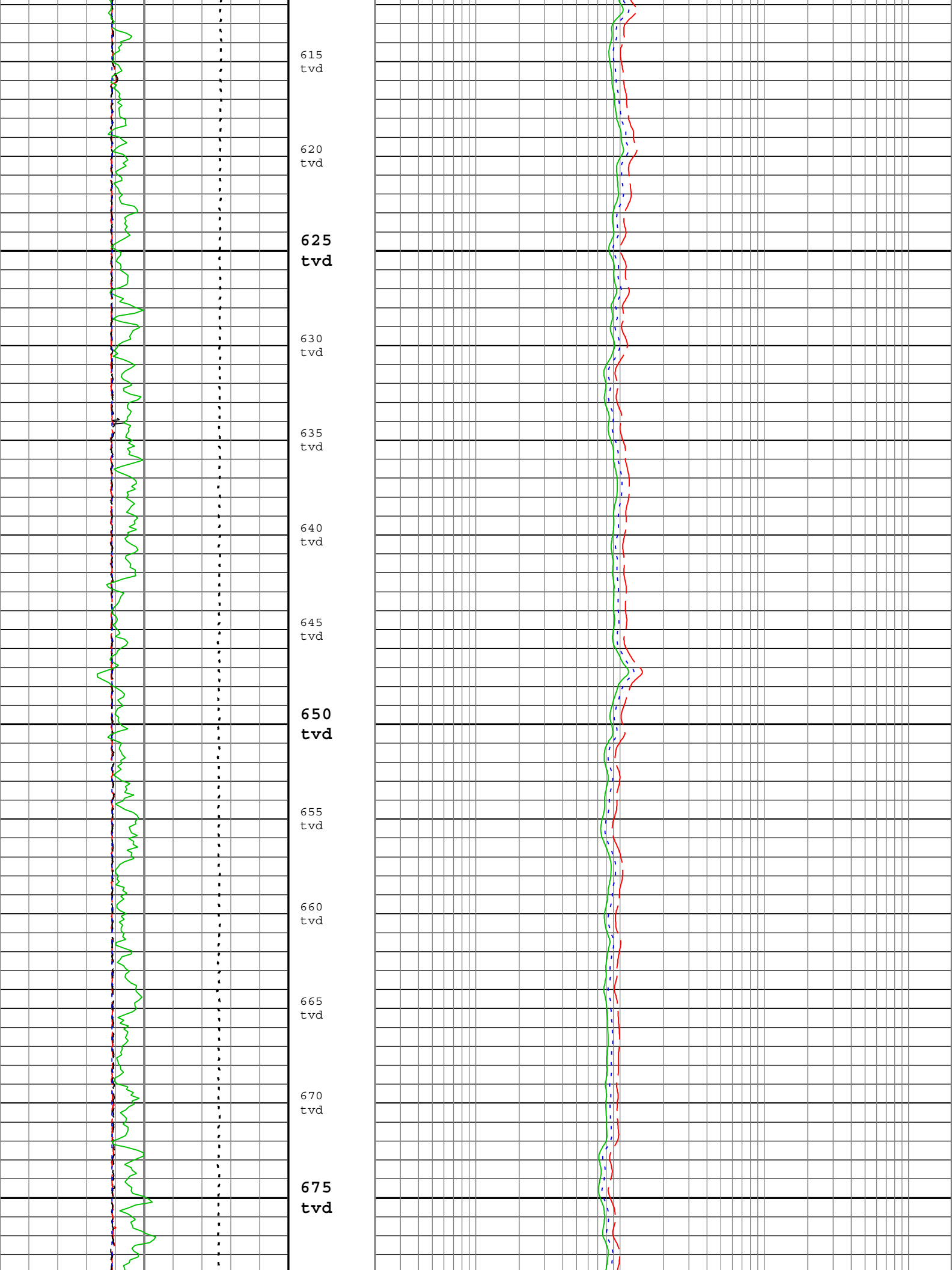
Cable Tension (TENS)		
25000	N	0

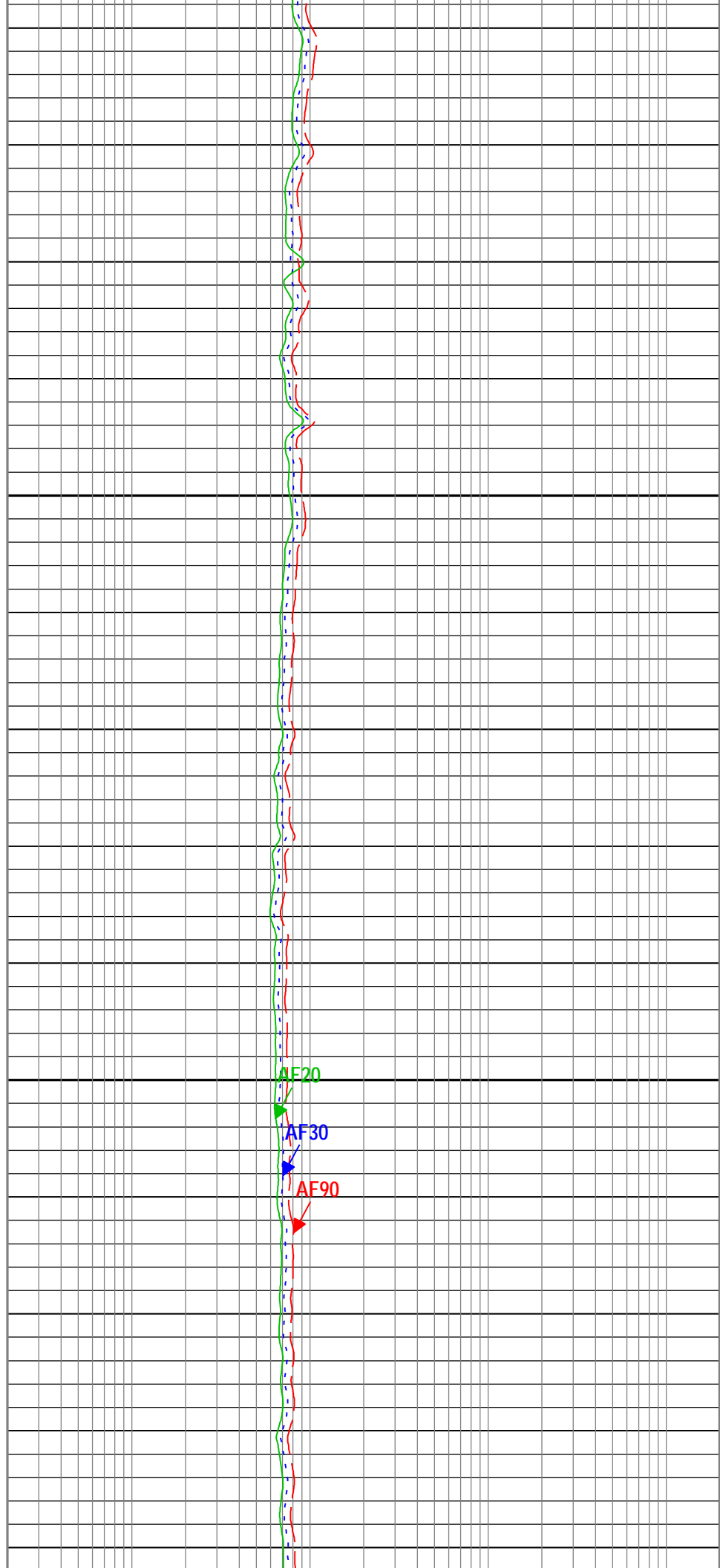
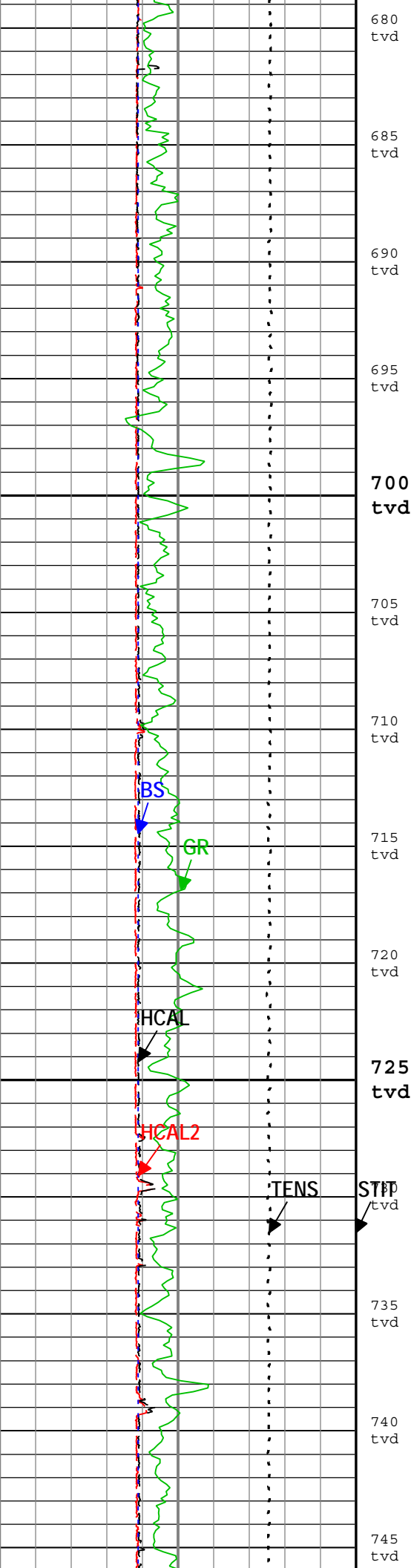
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125	mm	375
HCAL		
125	mm	375
GR		
0	gAPI	300
Bit Size (BS)		
125	mm	375

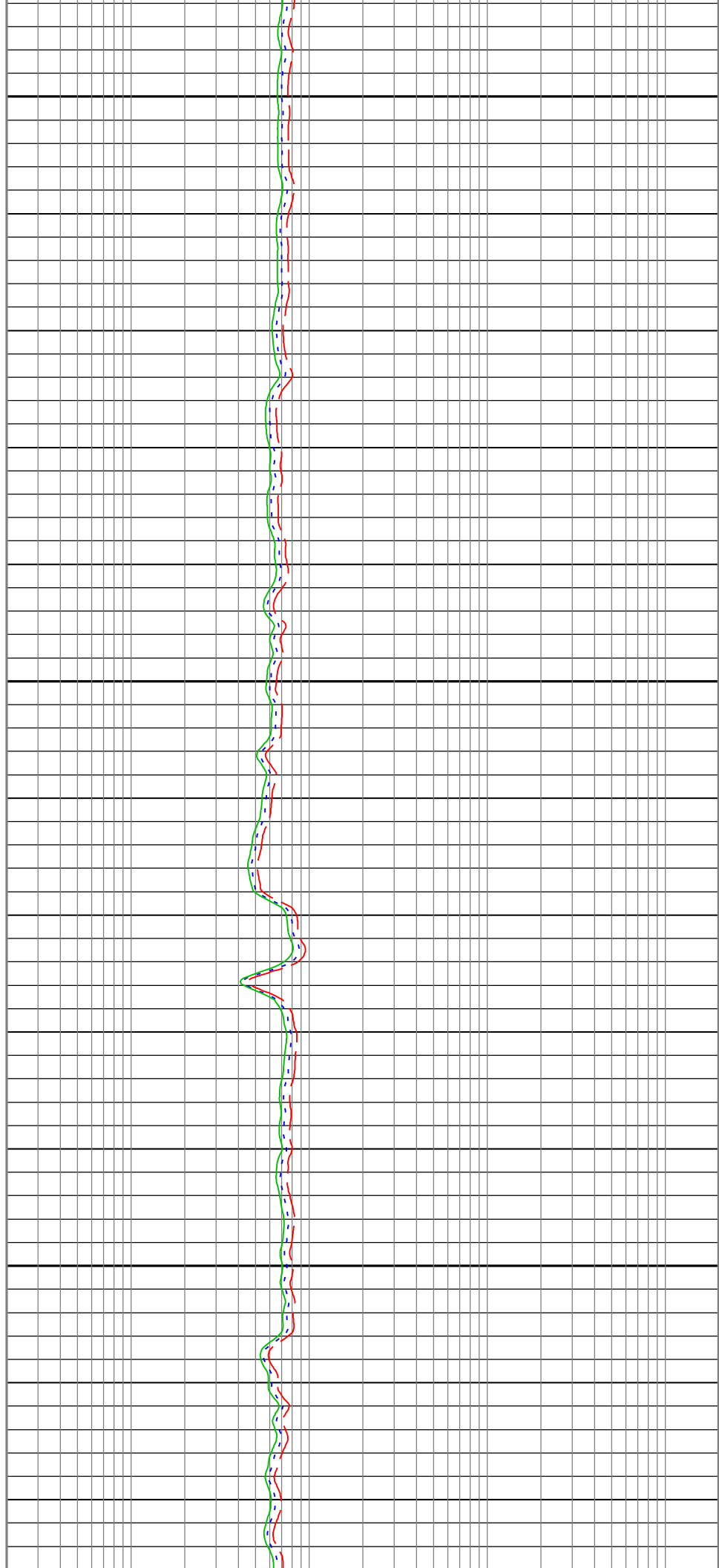
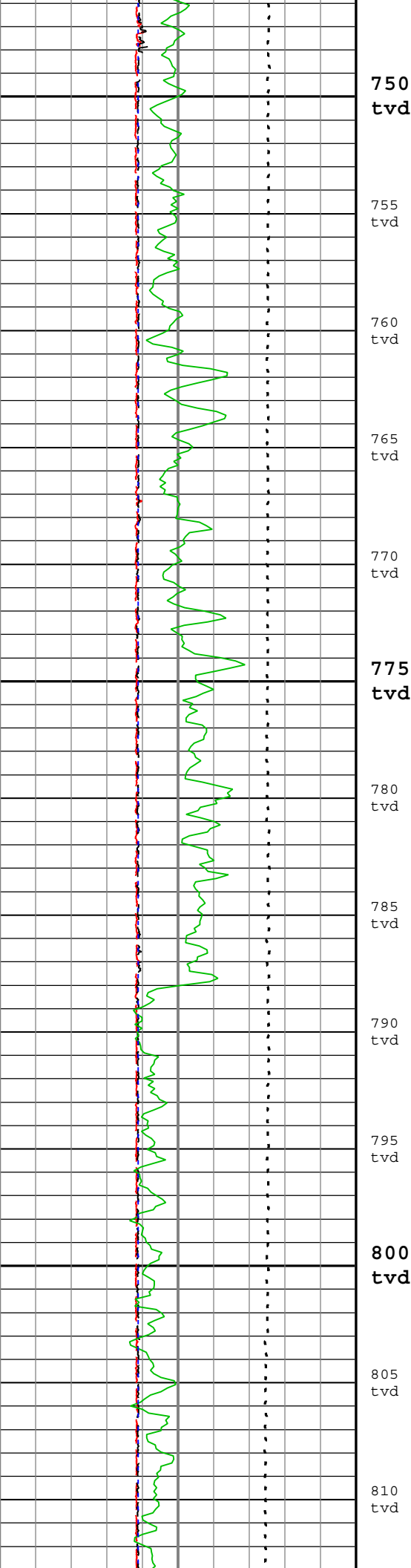
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0.2	ohm.m	2000
Array Induction Four Foot Resistivity A30 (AF30) AIT-M		
0.2	ohm.m	2000
Array Induction Four Foot Resistivity A20 (AF20) AIT-M		
0.2	ohm.m	2000

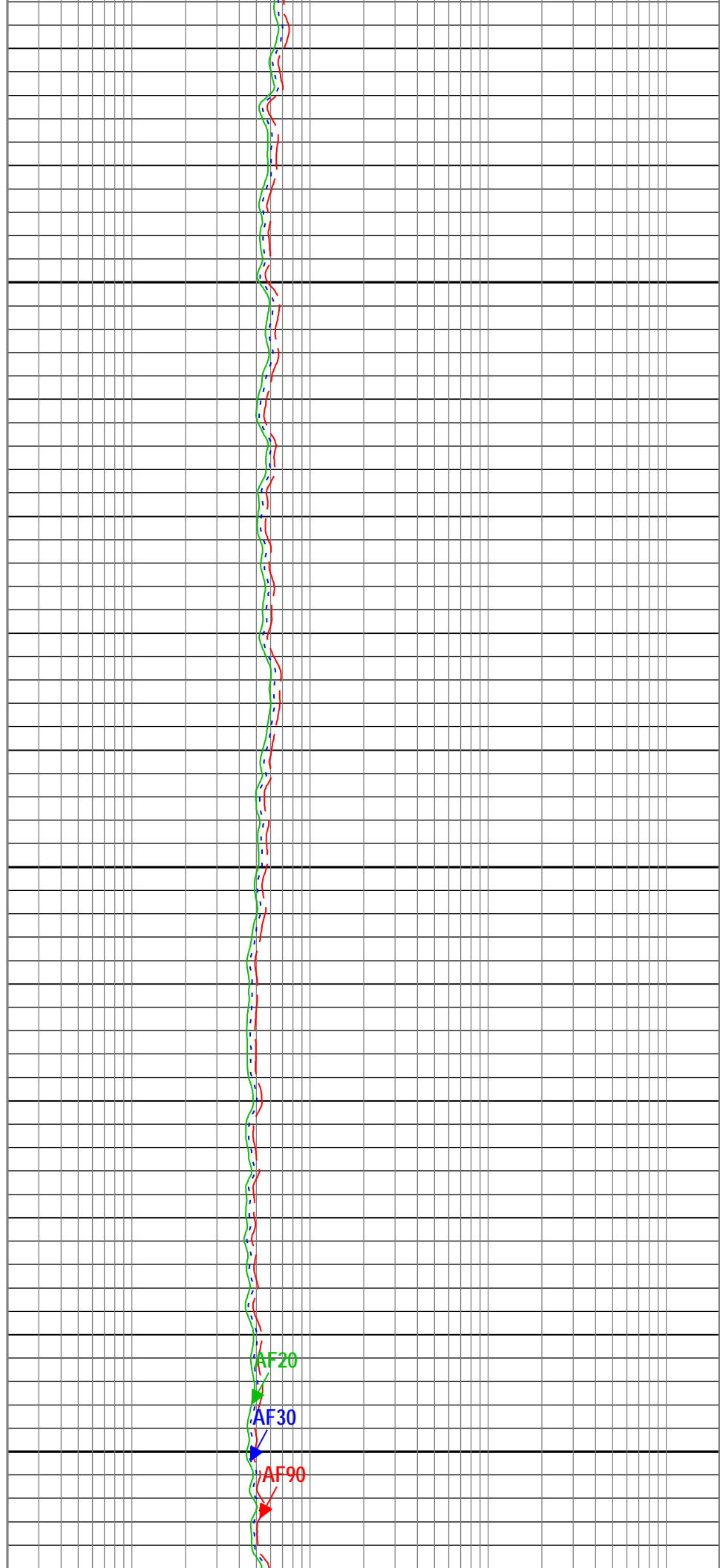
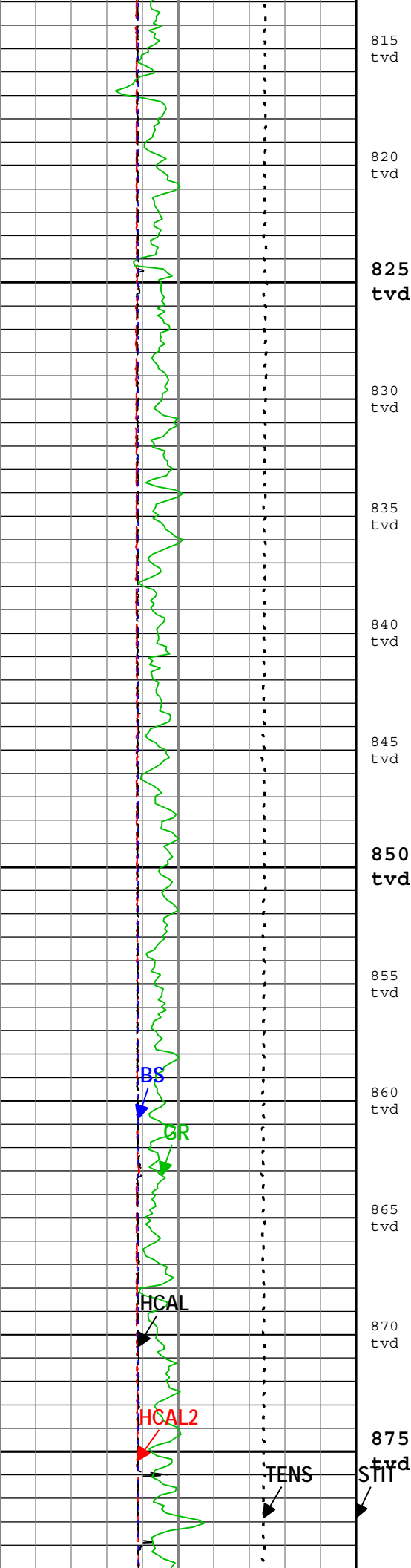
MAIN PASS: ARRAY INDUCTION LOG

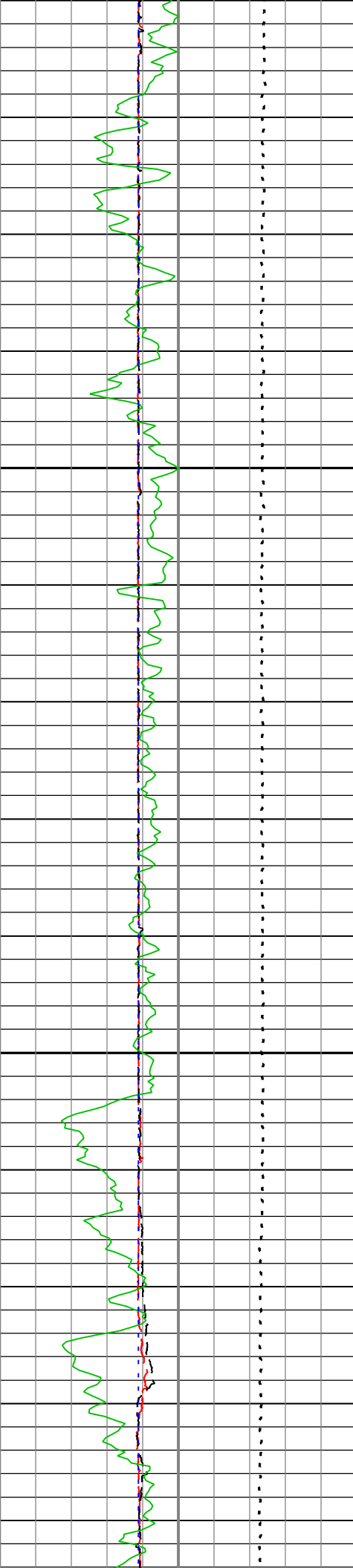




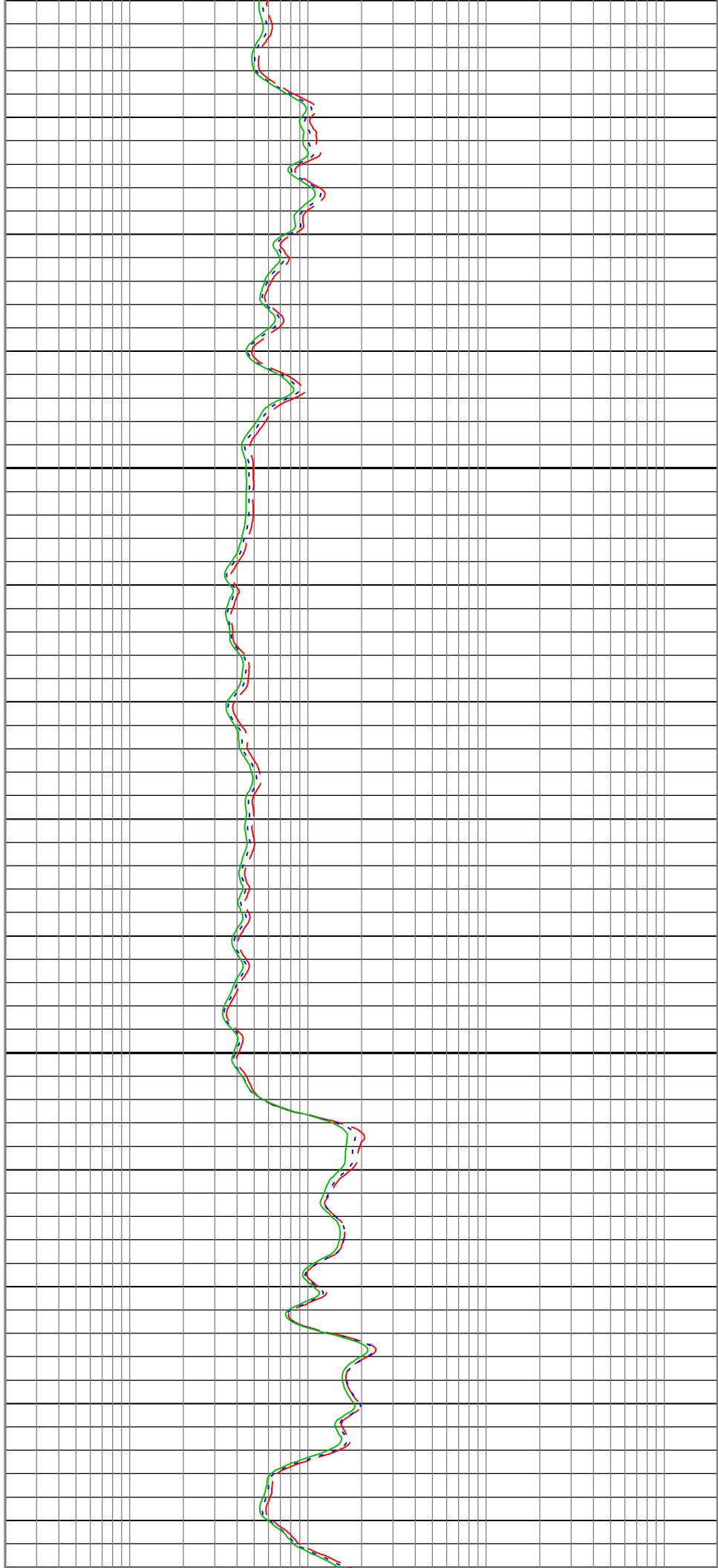


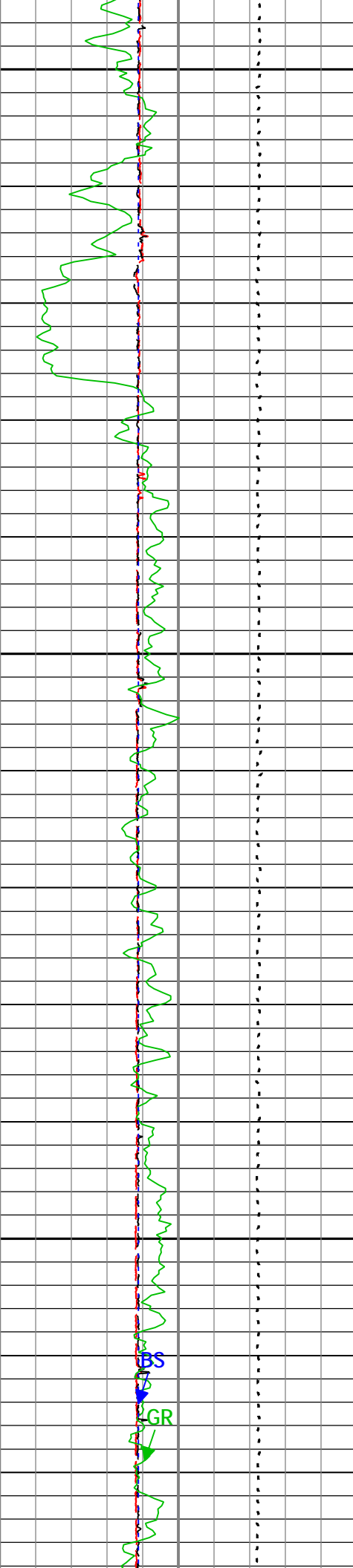






tvd
885
tvd
890
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895
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**900
tvd**
905
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910
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915
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940
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945
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950
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955
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960
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965
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970
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985
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990
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995
tvd

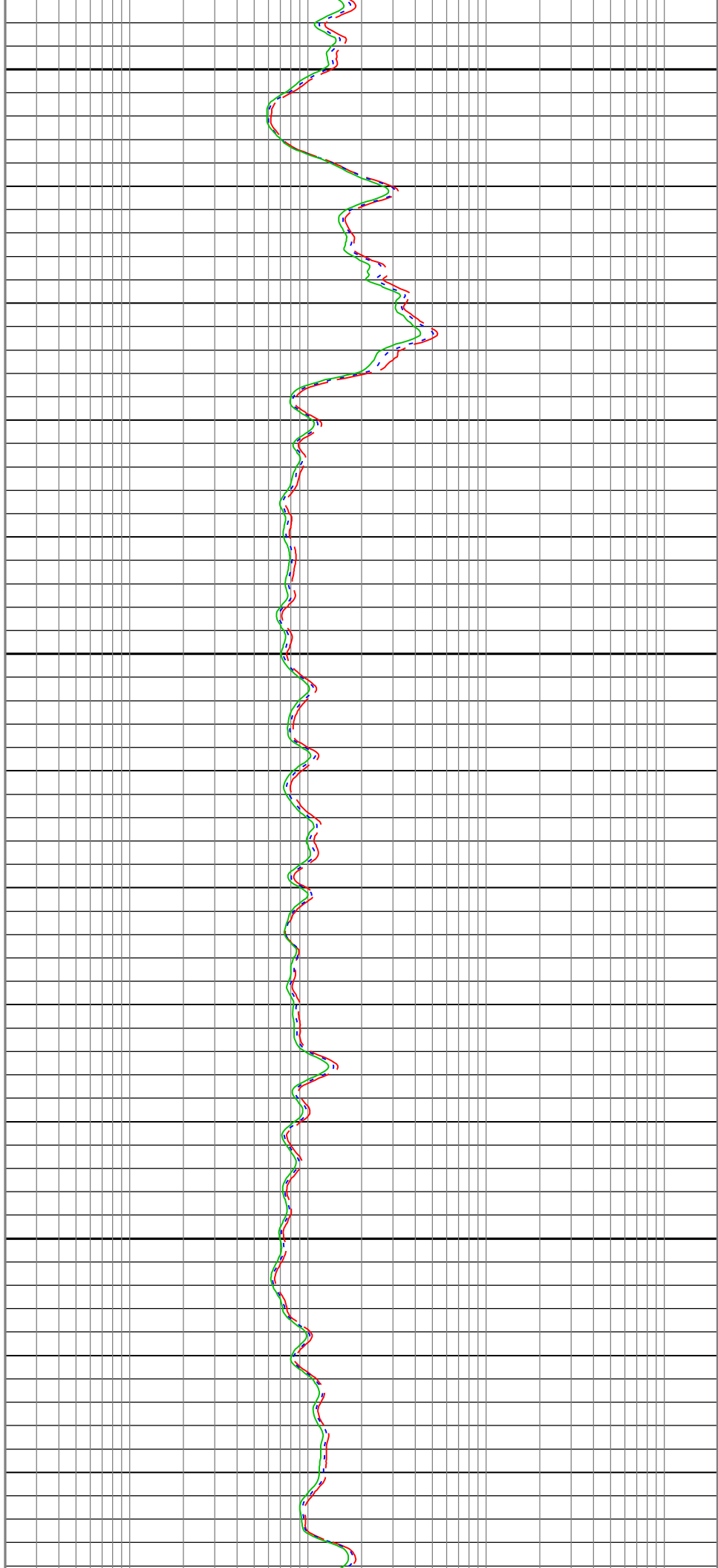
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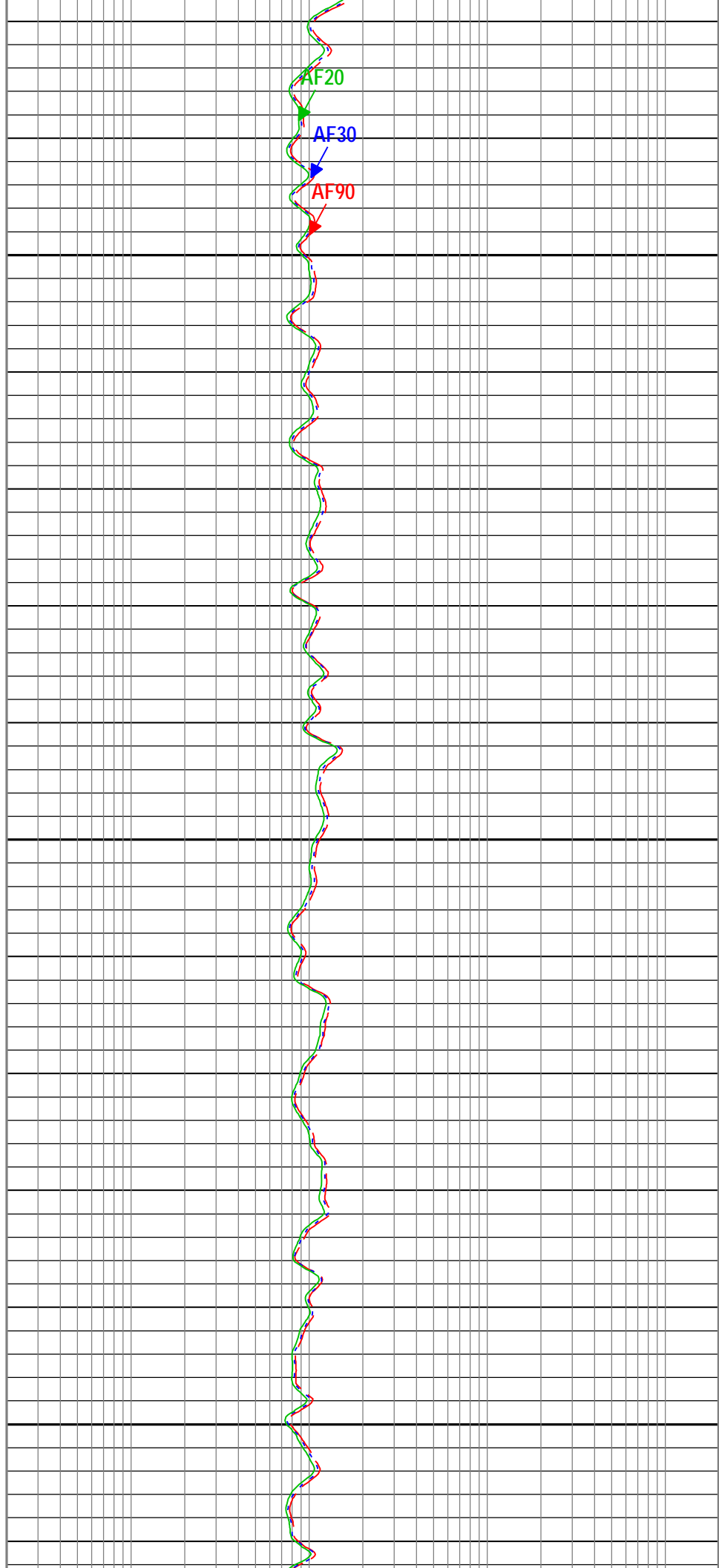
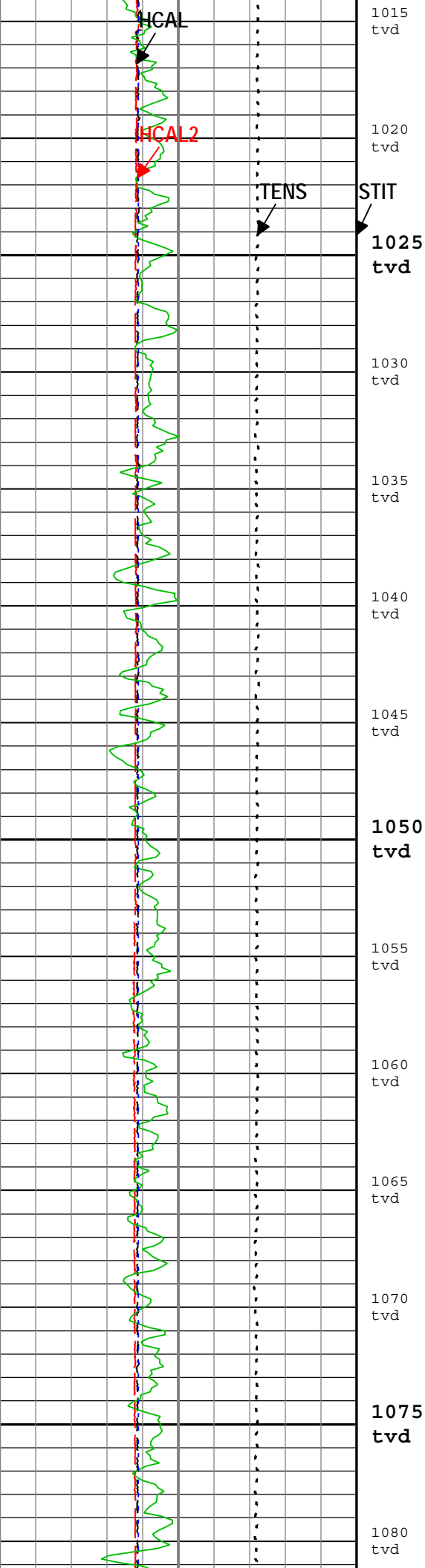
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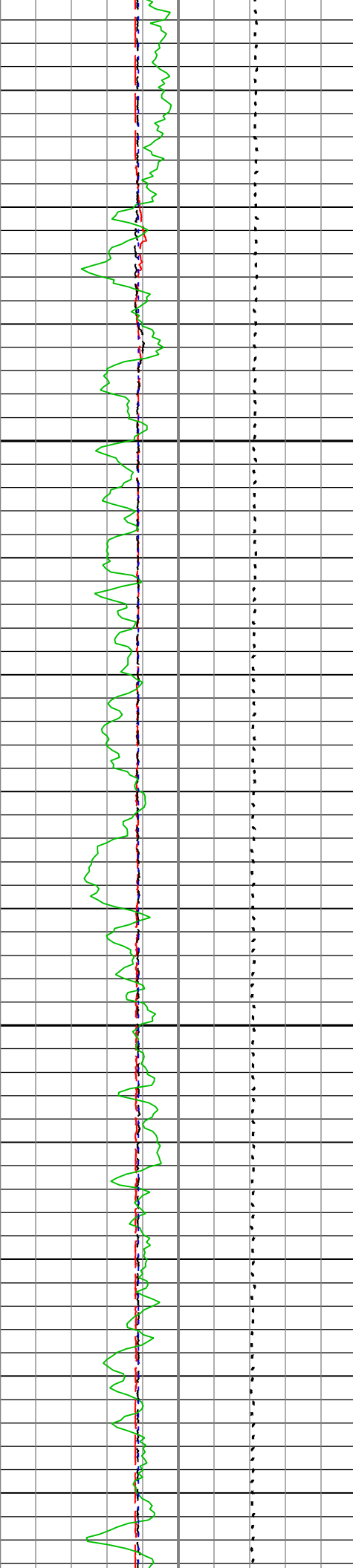
1010
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BS

GR







1085
tvd

1090
tvd

1095
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1100
tvd

1105
tvd

1110
tvd

1115
tvd

1120
tvd

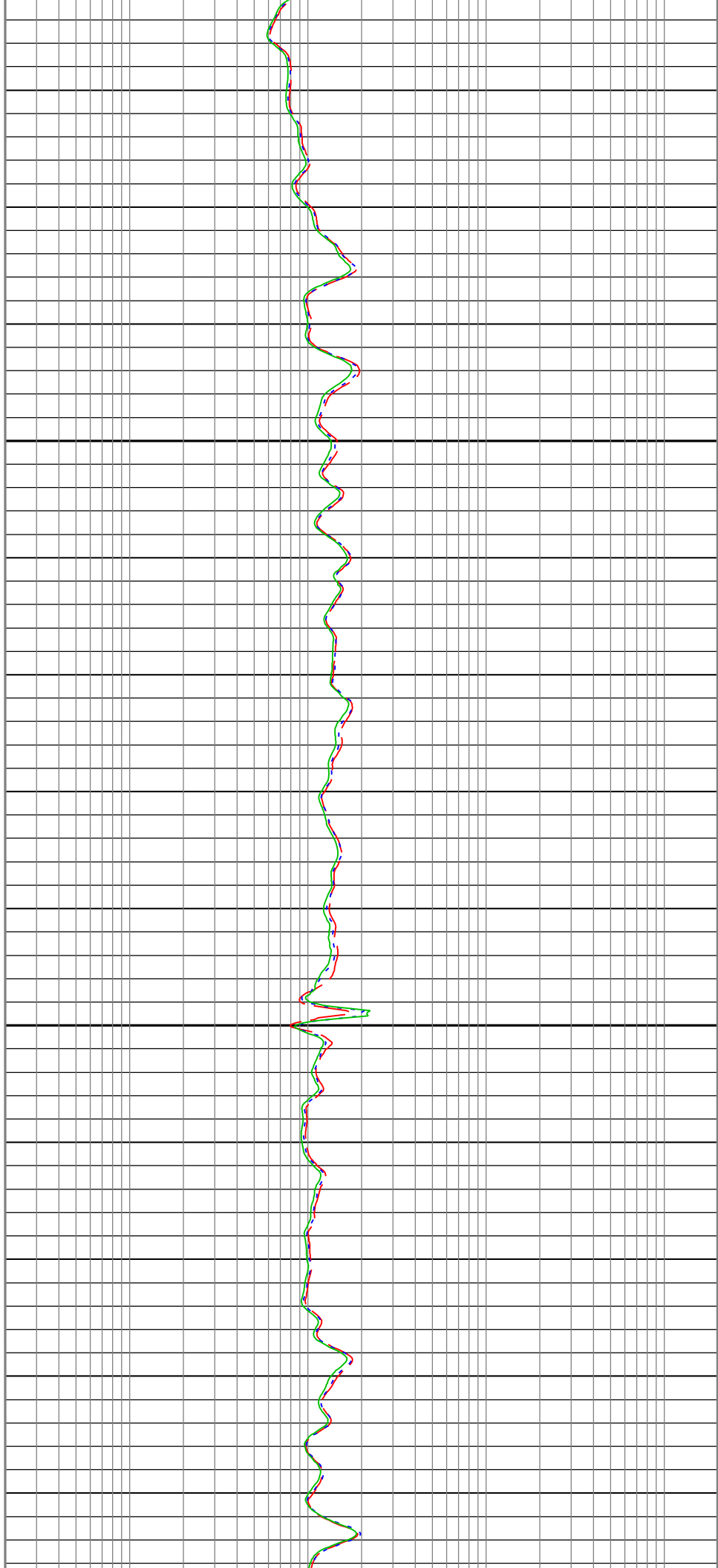
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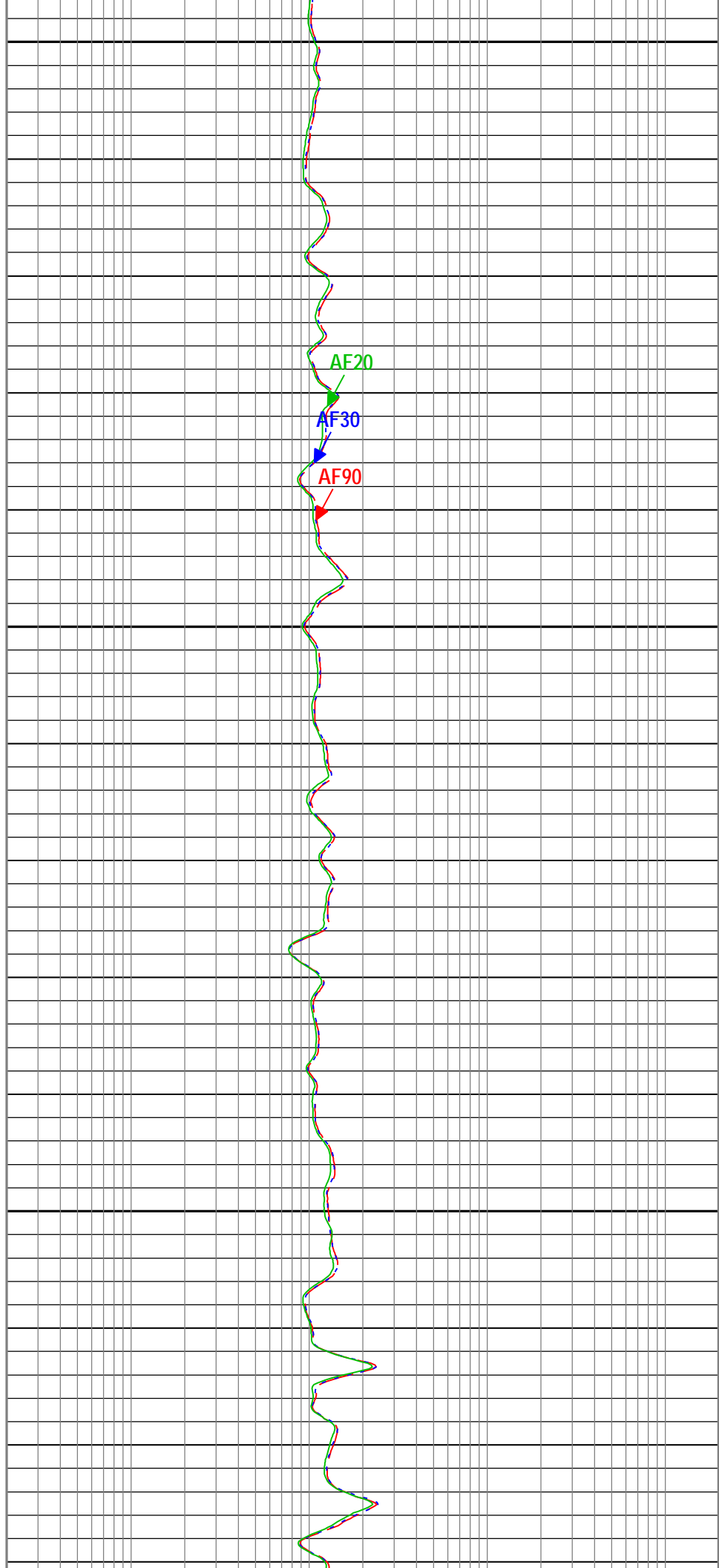
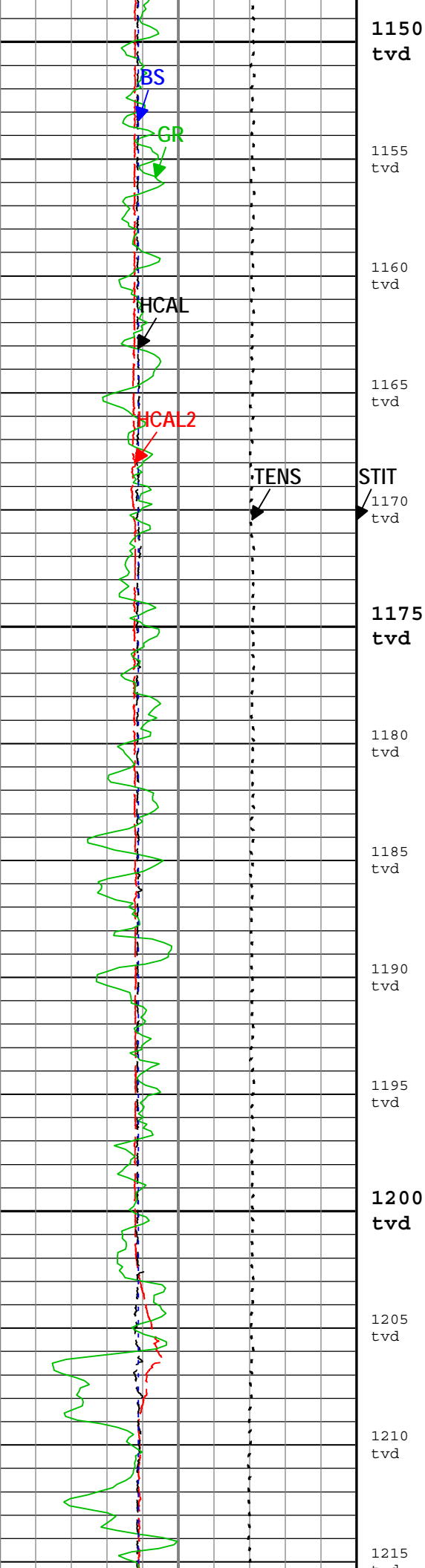
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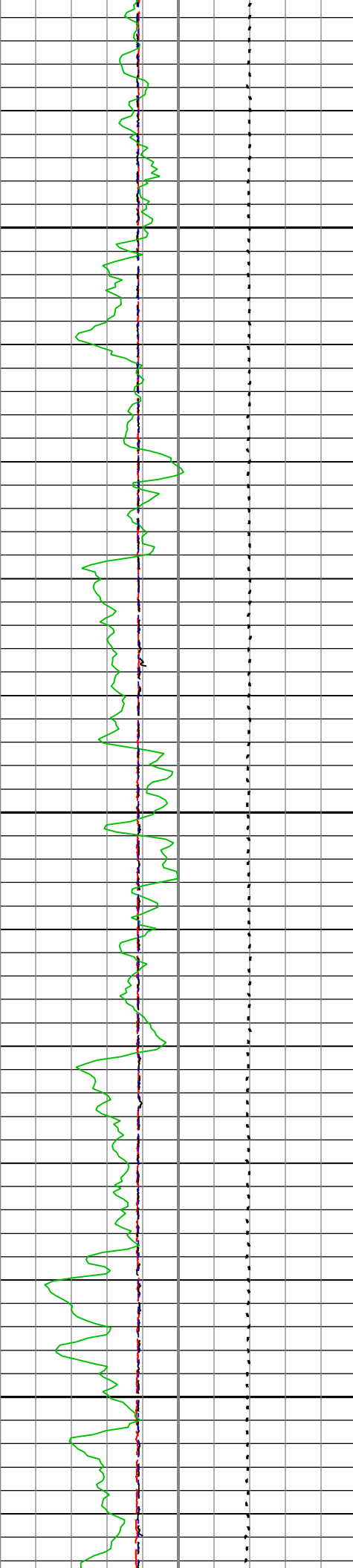
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1140
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1220
tvd

**1225
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**1250
tvd**

1255
tvd

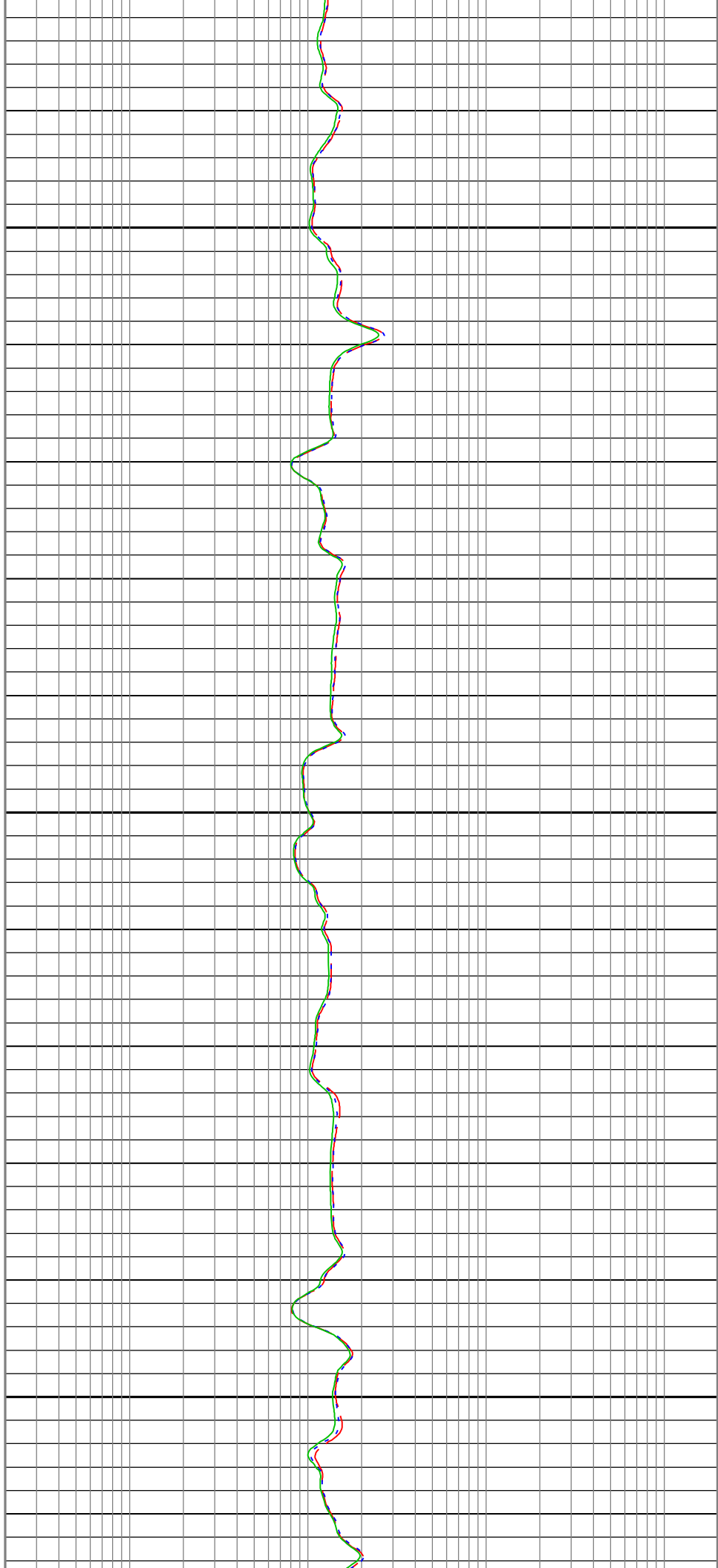
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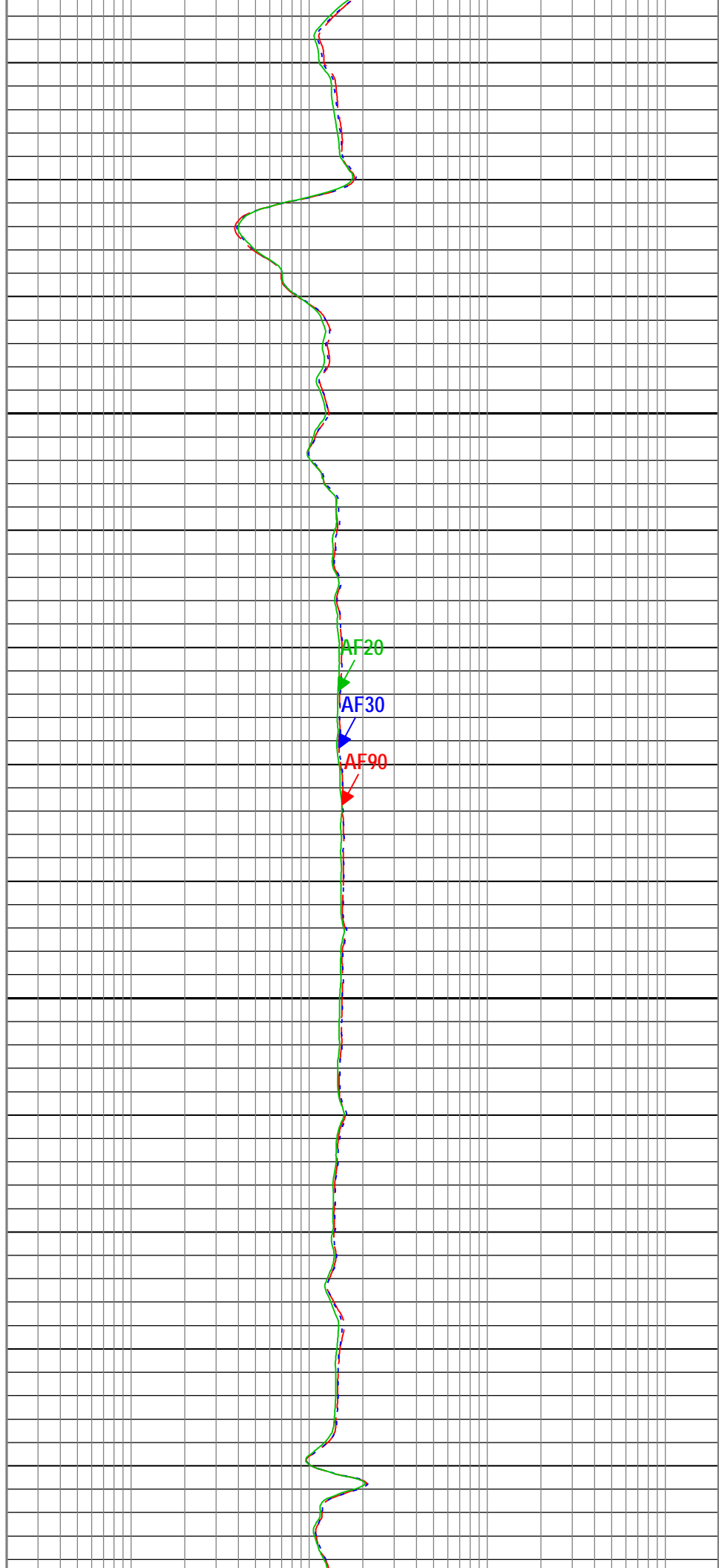
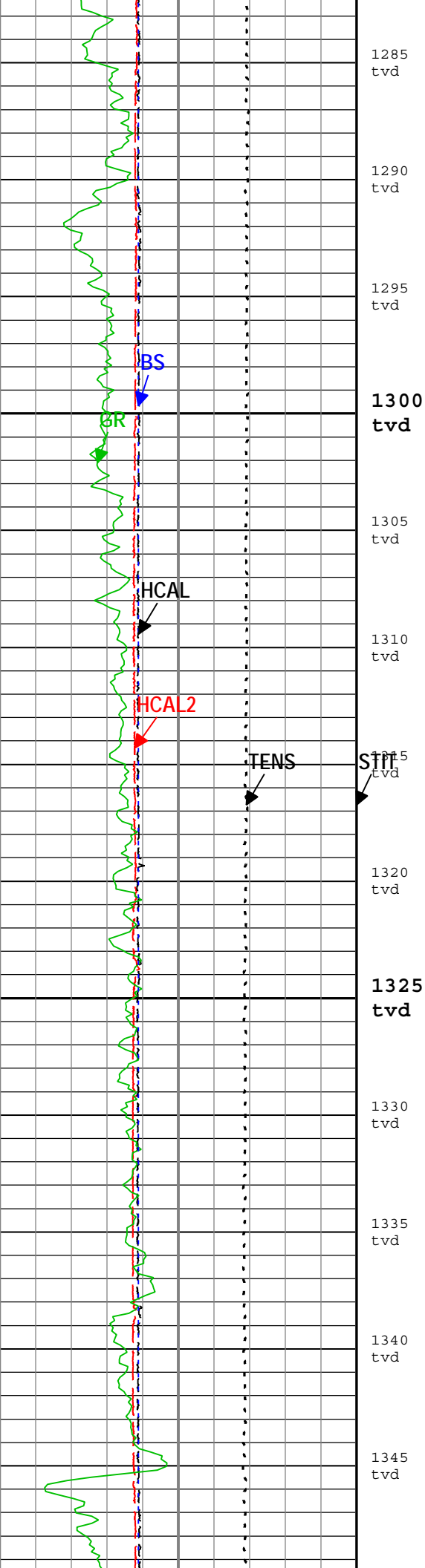
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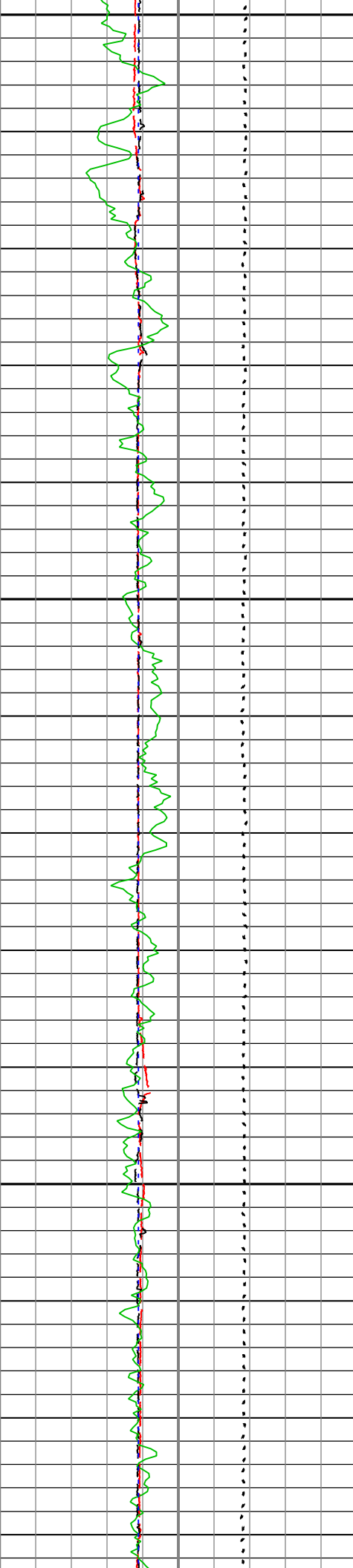
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**1275
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1280
tvd







1350
tvd

1355
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1375
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1380
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1385
tvd

1390
tvd

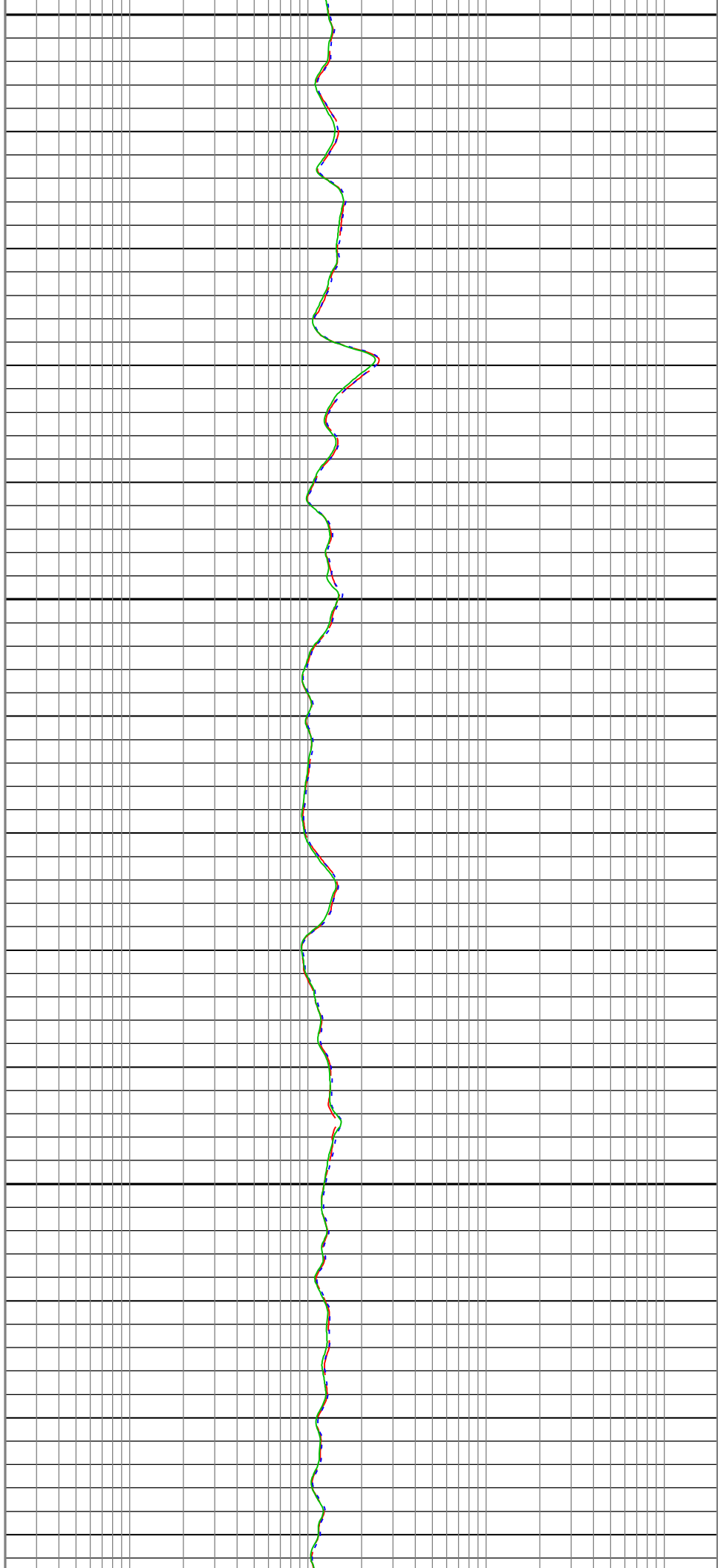
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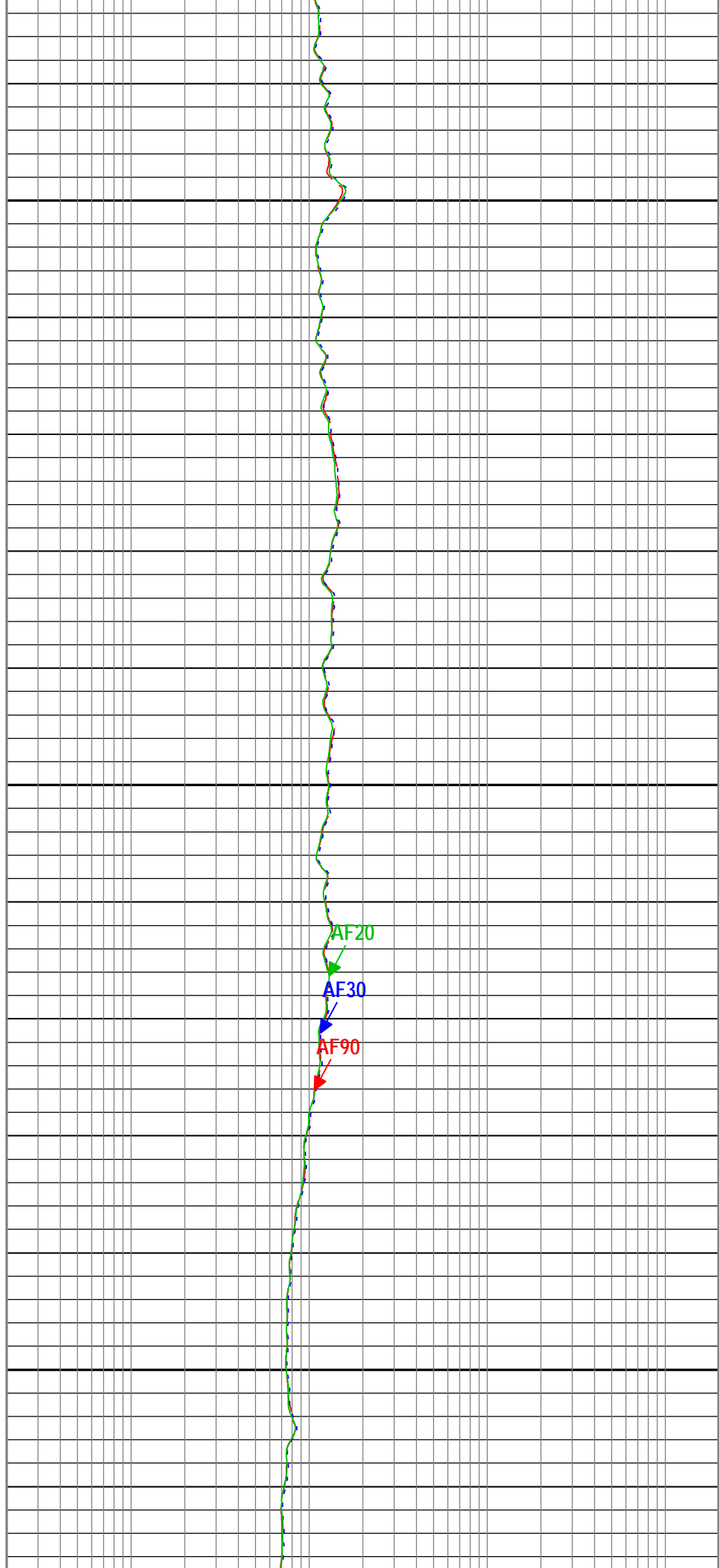
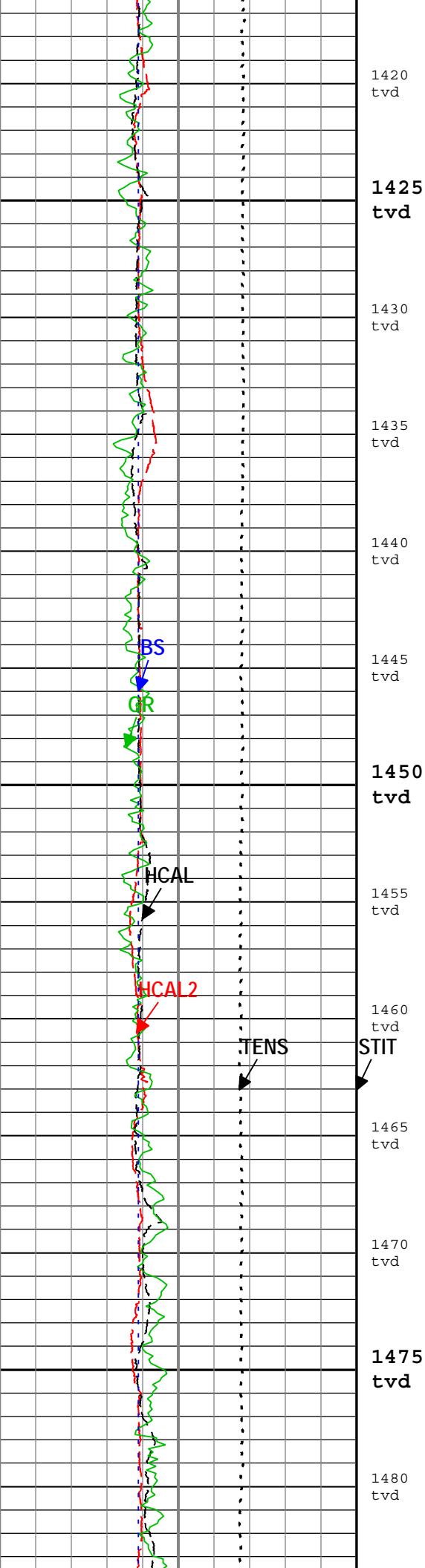
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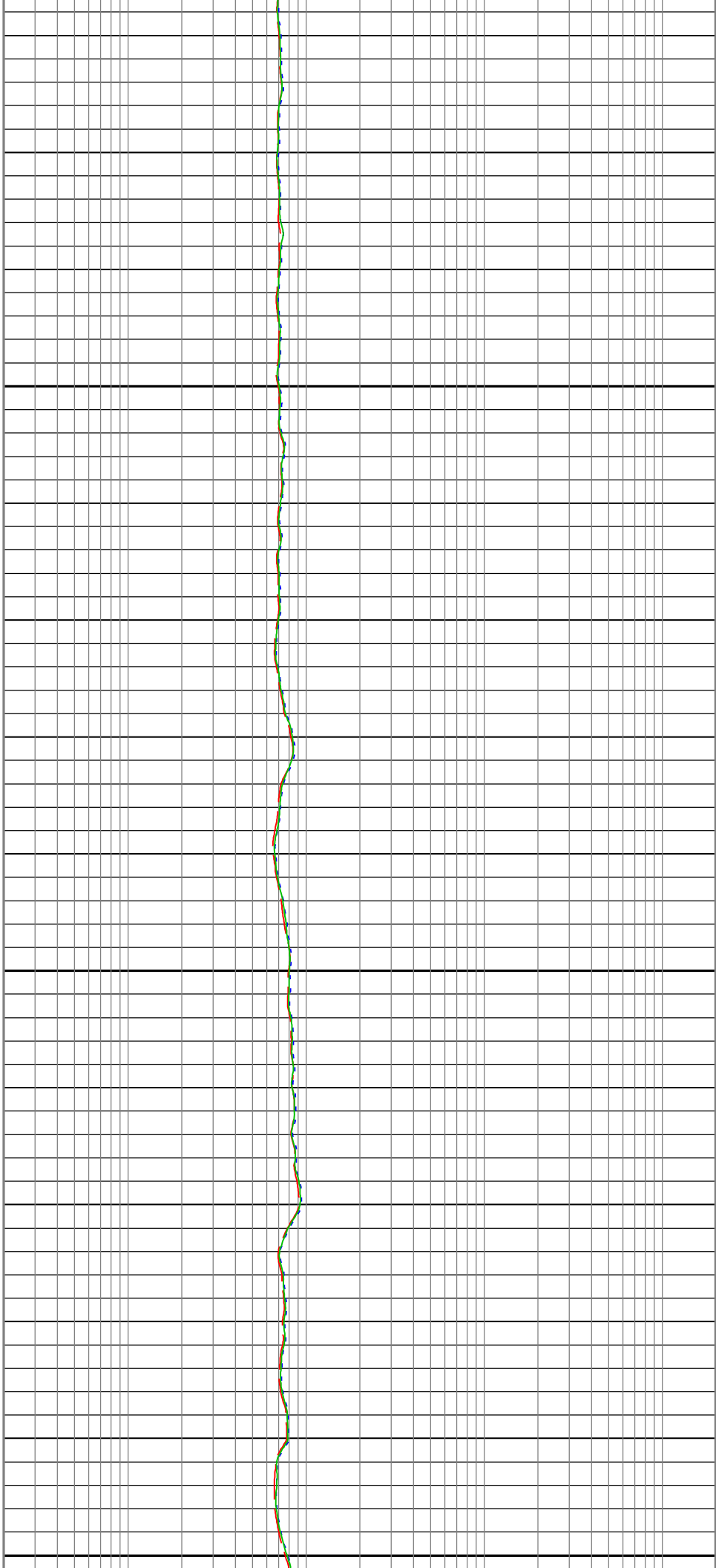
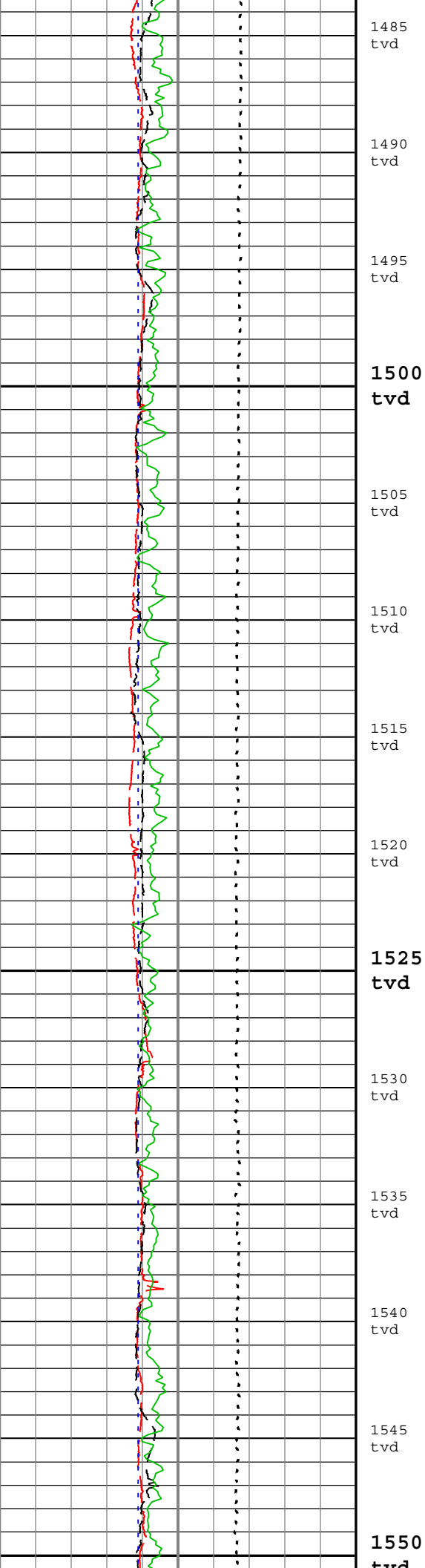
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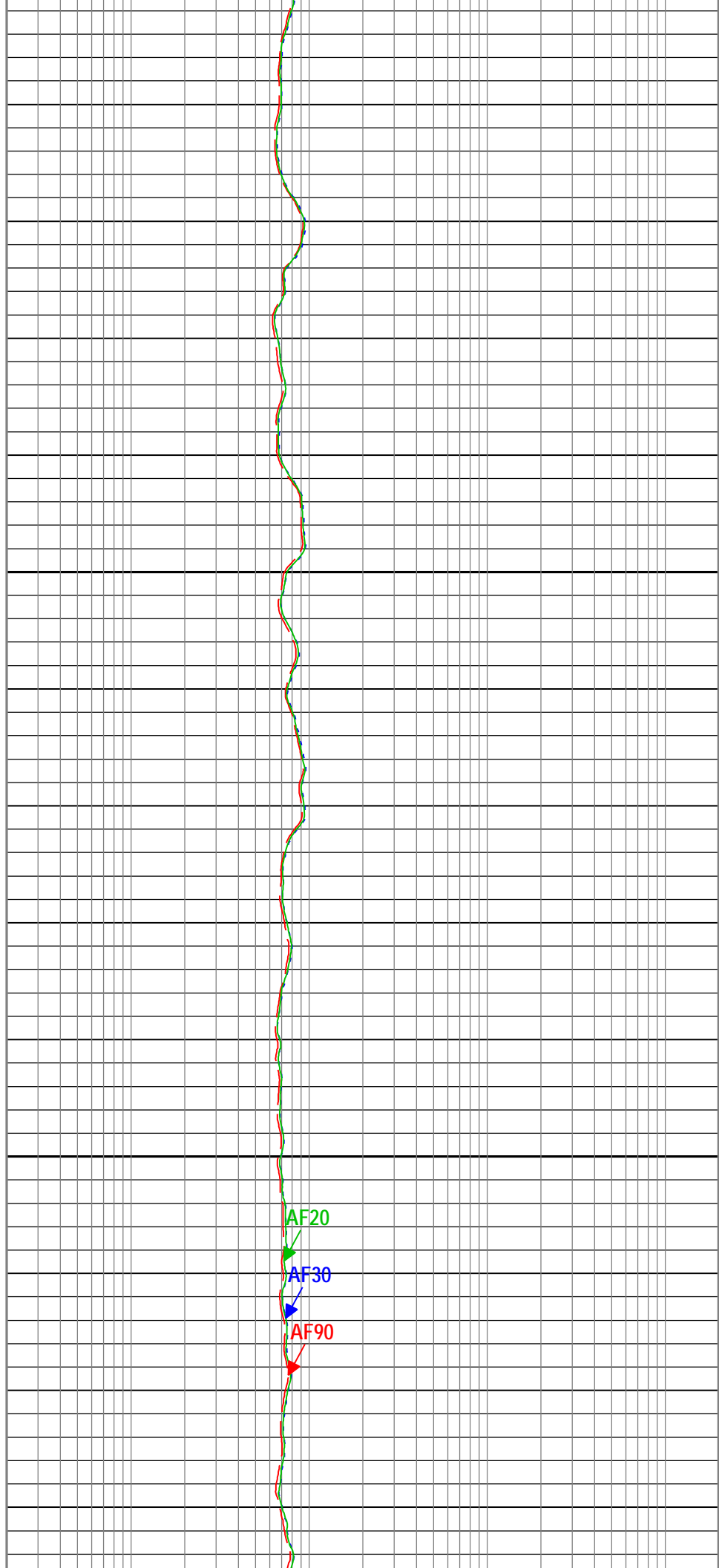
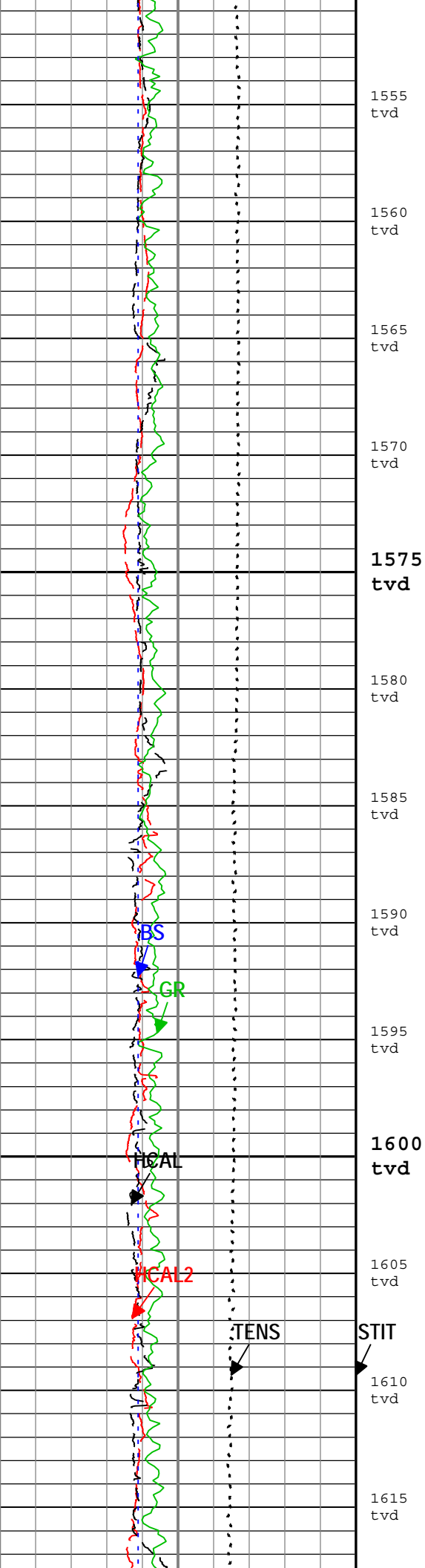
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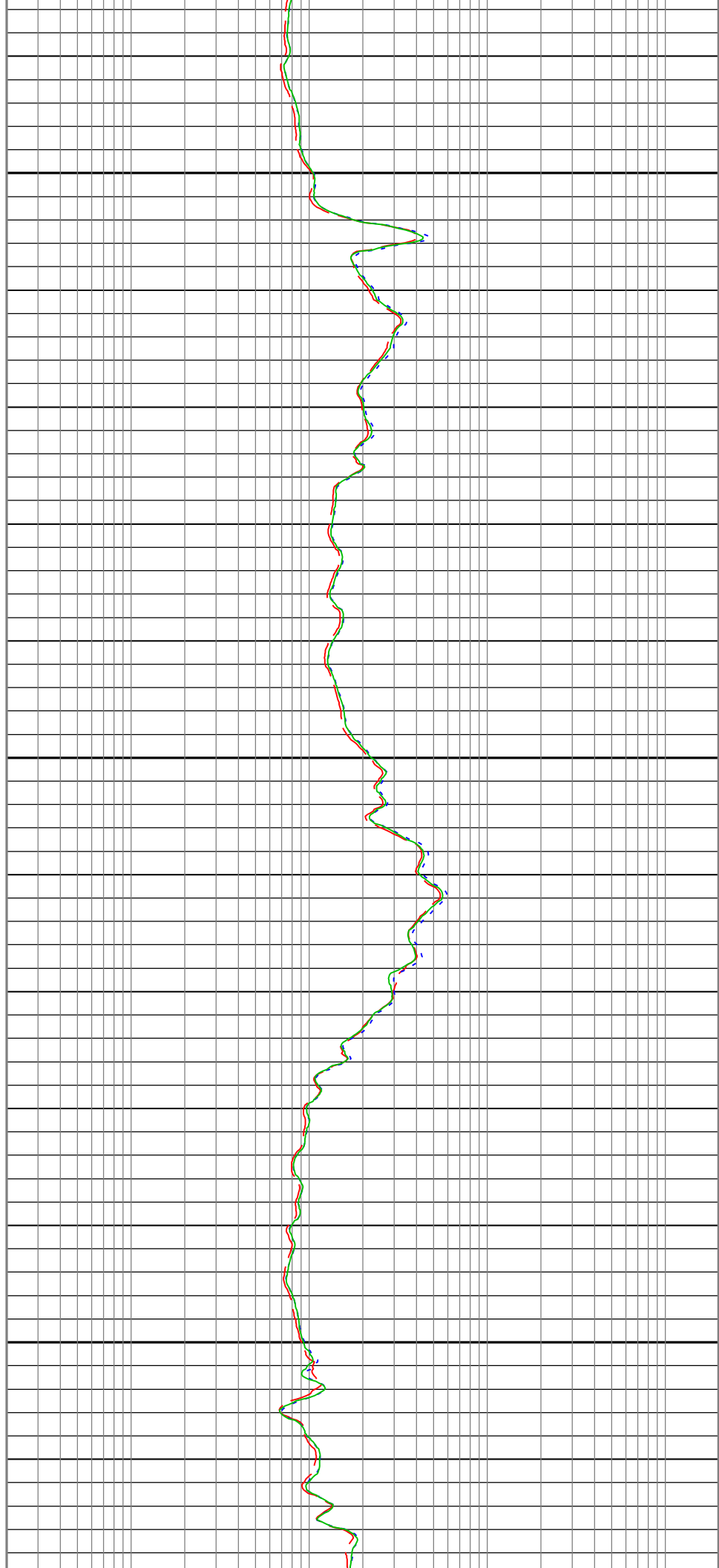
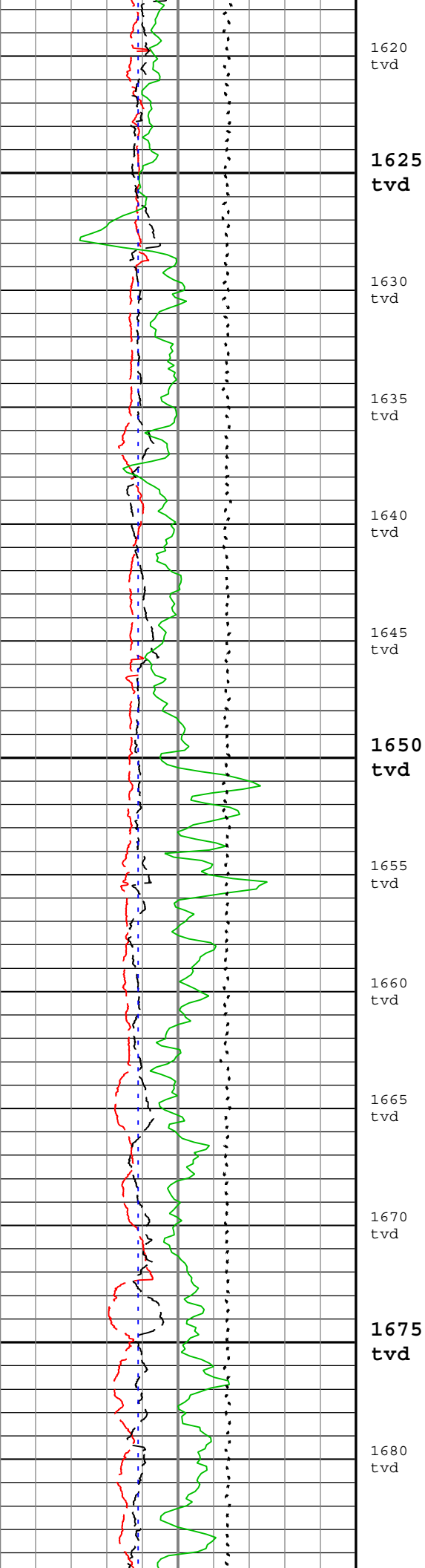
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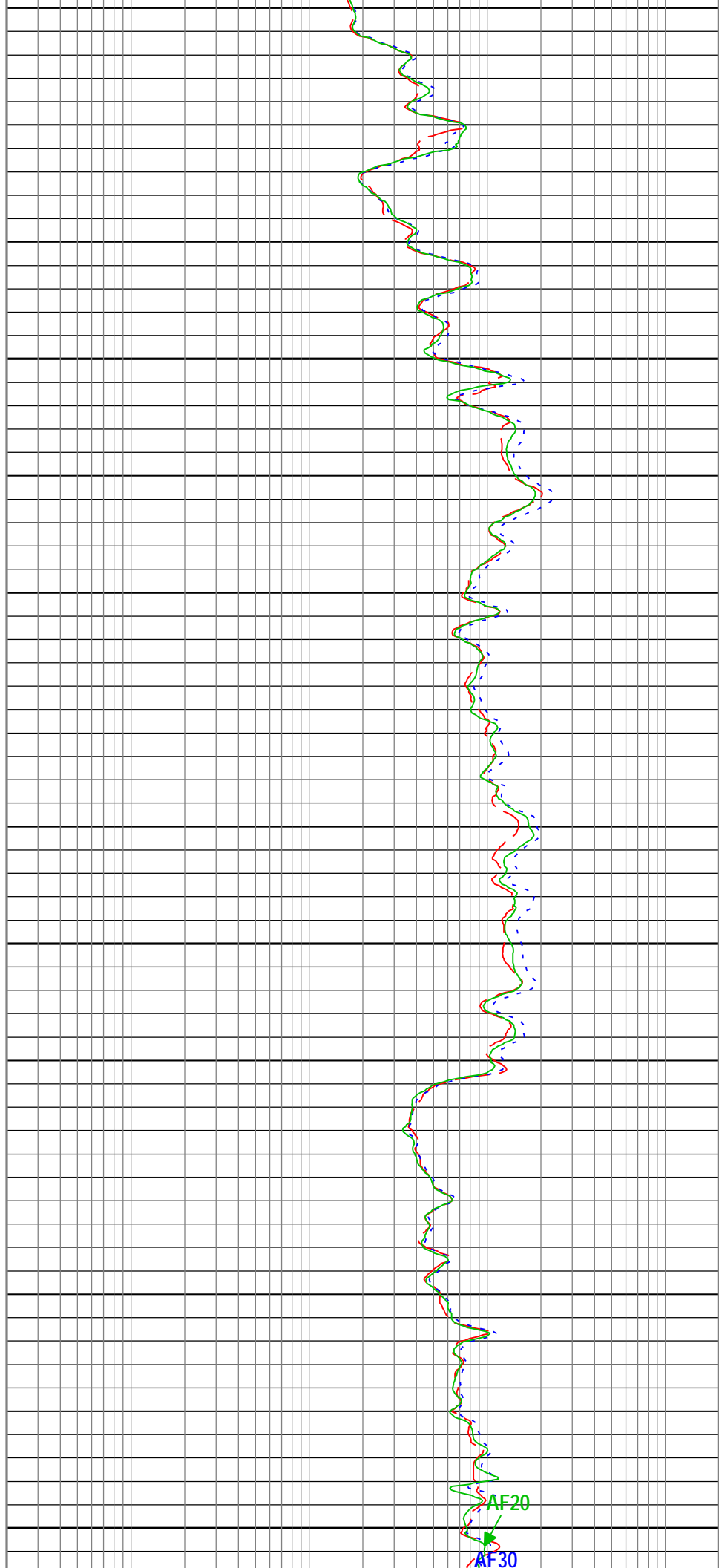
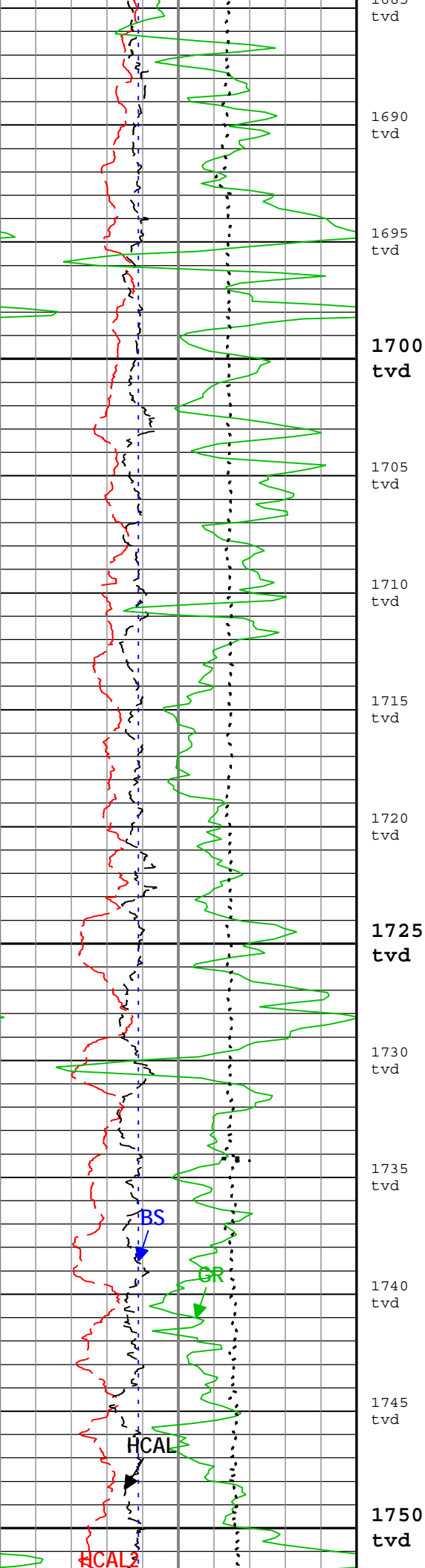


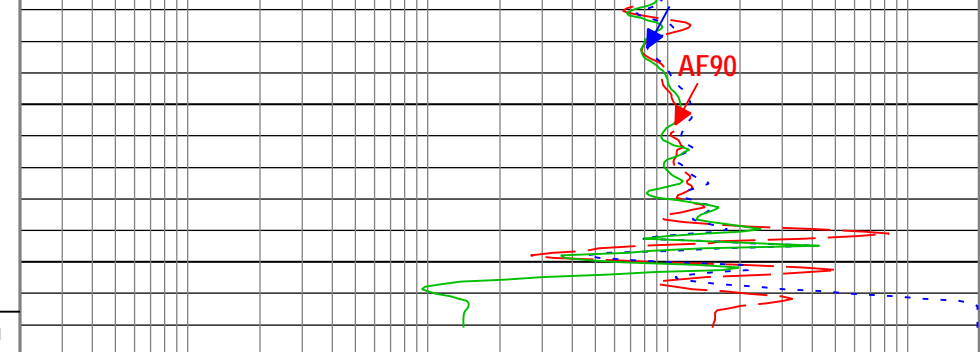
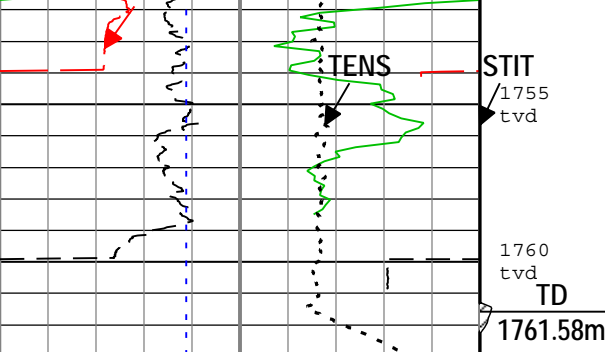












MAIN PASS: ARRAY INDUCTION LOG

HCAL2		
125	mm	375
HCAL		
125	mm	375
GR		
0	gAPI	300
Bit Size (BS)		
125	mm	375
Cable Tension (TENS)		
25000	N	0

Array Induction Four Foot Resistivity A90 (AF90) AIT-M		
0.2	ohm.m	2000
Array Induction Four Foot Resistivity A30 (AF30) AIT-M		
0.2	ohm.m	2000
Array Induction Four Foot Resistivity A20 (AF20) AIT-M		
0.2	ohm.m	2000

Description: MCFL processing LQC for Platform Express Format: Log (AIT-240) Index Scale: 1:240 Index Unit: m Index Type: TVD Creation Date: 18-Jan-2014 22:05:30

Channel Processing Parameters				
Parameter	Description	Tool	Value	Unit
AAPL	Array Induction Answer Product Level(Depth Log/View only)	AIT-M	Radial	
ABHM	Array Induction Borehole Correction Mode	AIT-M	Compute Mud Resistivity	
ACDE	Array Induction Casing Detection Enable	AIT-M	Yes	
ACEN	Array Induction Tool Centering Flag (in Borehole)	AIT-M	Eccentered	
AMRF	Array Induction Mud Resistivity Factor	AIT-M	1	
ASTA	Array Induction Tool Standoff	AIT-M	40.64	mm
ATSE	Array Induction Temperature Selection(Sonde Error Correction)	AIT-M	Internal	
BHS	Borehole Status (Open or Cased Hole)	Borehole	Depth Zoned	
BHT	Bottom Hole Temperature	Borehole	71.5	degC
BS	Bit Size	WLSESSION	Depth Zoned	mm
CALI_SHIFT.1	CALI Supplementary Offset	HDRS-H	13.5	mm
CALI_SHIFT.2	CALI Supplementary Offset	HDRS-H	4.4	mm
CBLO	Casing Bottom (Logger)	WLSESSION	603	m
DC_MODE	Depth Correction Mode	DepthCorrection	Real-time	
GCSE_DOWN_PASS	Generalized Caliper Selection for WL Log Down Passes	Borehole	BS	
GCSE_UP_PASS	Generalized Caliper Selection for WL Log Up Passes	Borehole	Depth Zoned	
GR_MULTIPLIER	Gamma Ray Multiplier	HGNS-H	1	
GRSE	Generalized Mud Resistivity Selection, from Measured or Computed Mud Resistivity	Borehole	REMS	
GTSE	Generalized Temperature Selection, from Measured or Computed Temperature	Borehole	CTEM	
TD	Total Measured Depth	Borehole	1819.1	m

Depth Zone Parameters			
Parameter	Value	Start (m)	Stop (m)
BHS	Cased	574.97	603.01
BHS	Open	603.01	1763

All depth are actual.

Tool Control Parameters

Parameter	Description	Tool	Value	Unit
HMCA_BRD_TYPE	HMCA Board Type	HGNS-H	1	
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	548.64	m/h

1.1

Software Version

Acquisition System	Version		
MaxWell	4.0.9163.3000		
Application Patch	Patch-SP-10767_13075-4.0.9163.3001		
Computation	Description	Version	
Borehole	Borehole Ensemble provides common Borehole Parameters and Channels	4.0.9213.3000	
DepthCorrection	DepthCorrection	4.0.9213.3000	
Tool Elements	Description	Software Version	Firmware Version
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AMIS	Array Induction Sonde - M	4.0.9247.3000	1

Pass Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
1.1	Log[5]:Up	Up	543.85 m	1822.88 m	14-Jan-2014 6:48:20 PM	14-Jan-2014 8:17:20 PM	ON	-1.90 m	Yes

All depths are referenced to toolstring zero

Log

Company:CONOCOPHILLIPS CANADA RESOURCES CORP. Well:COPRC DODO CANYON E76

1.1: Log[5]:Up:S023

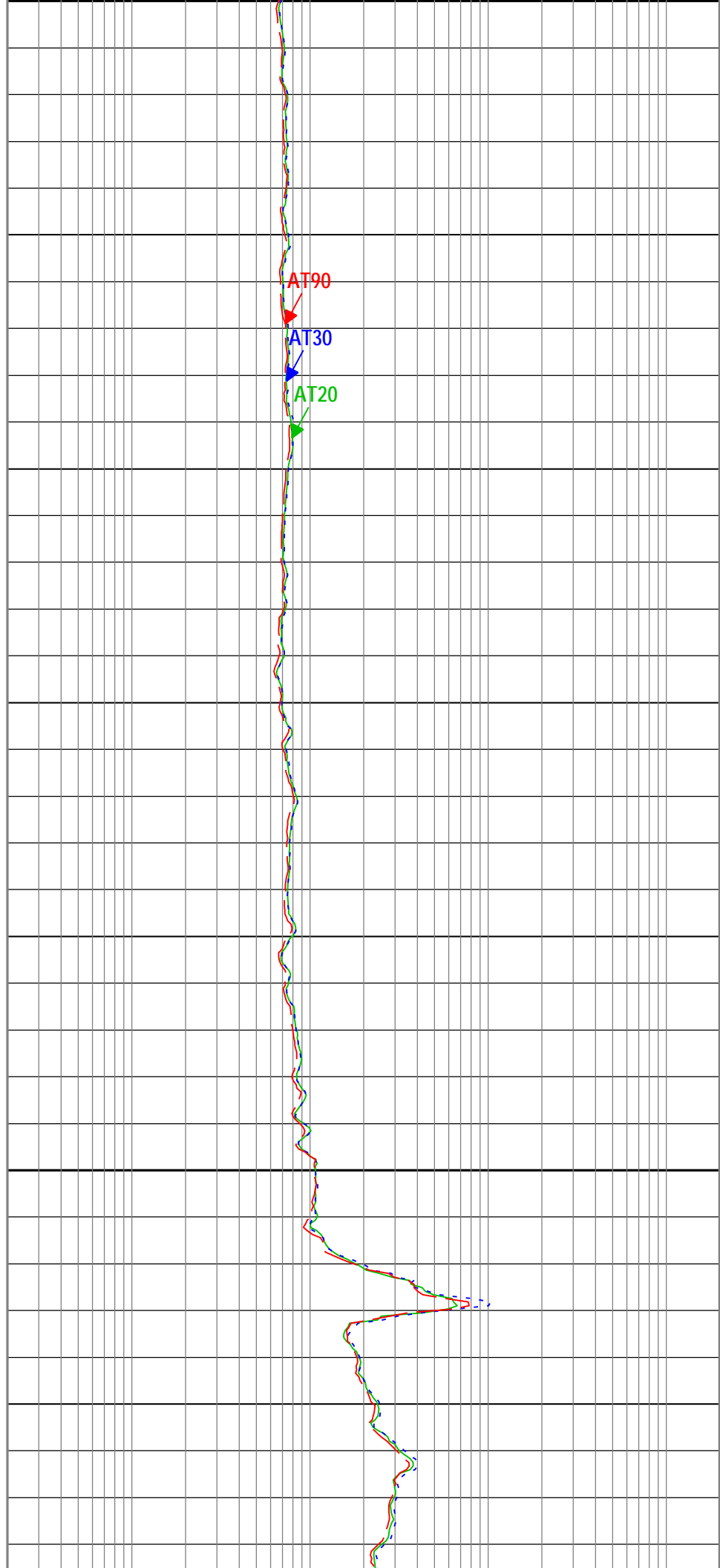
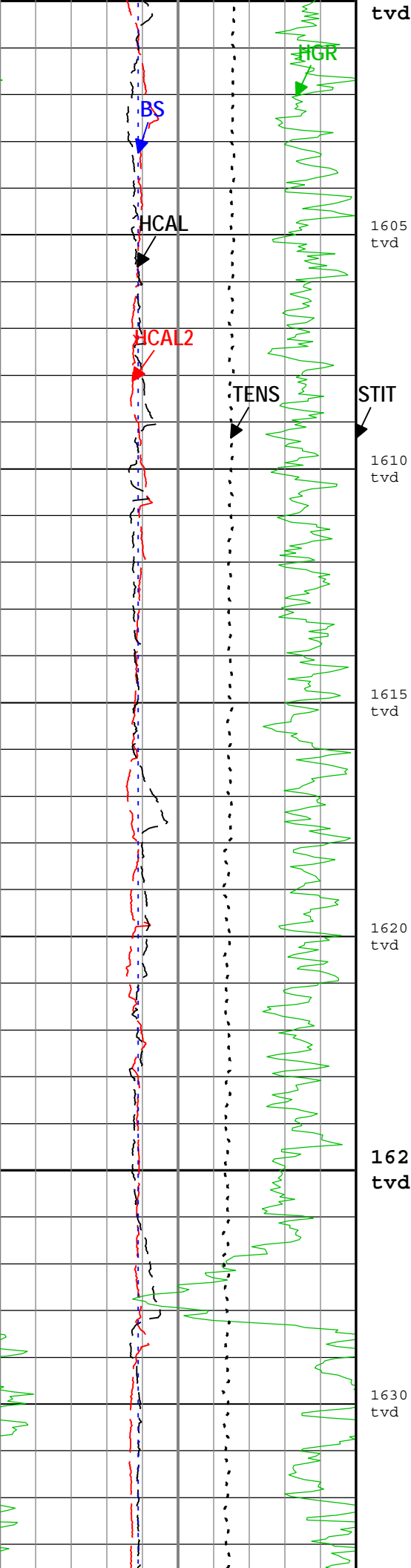
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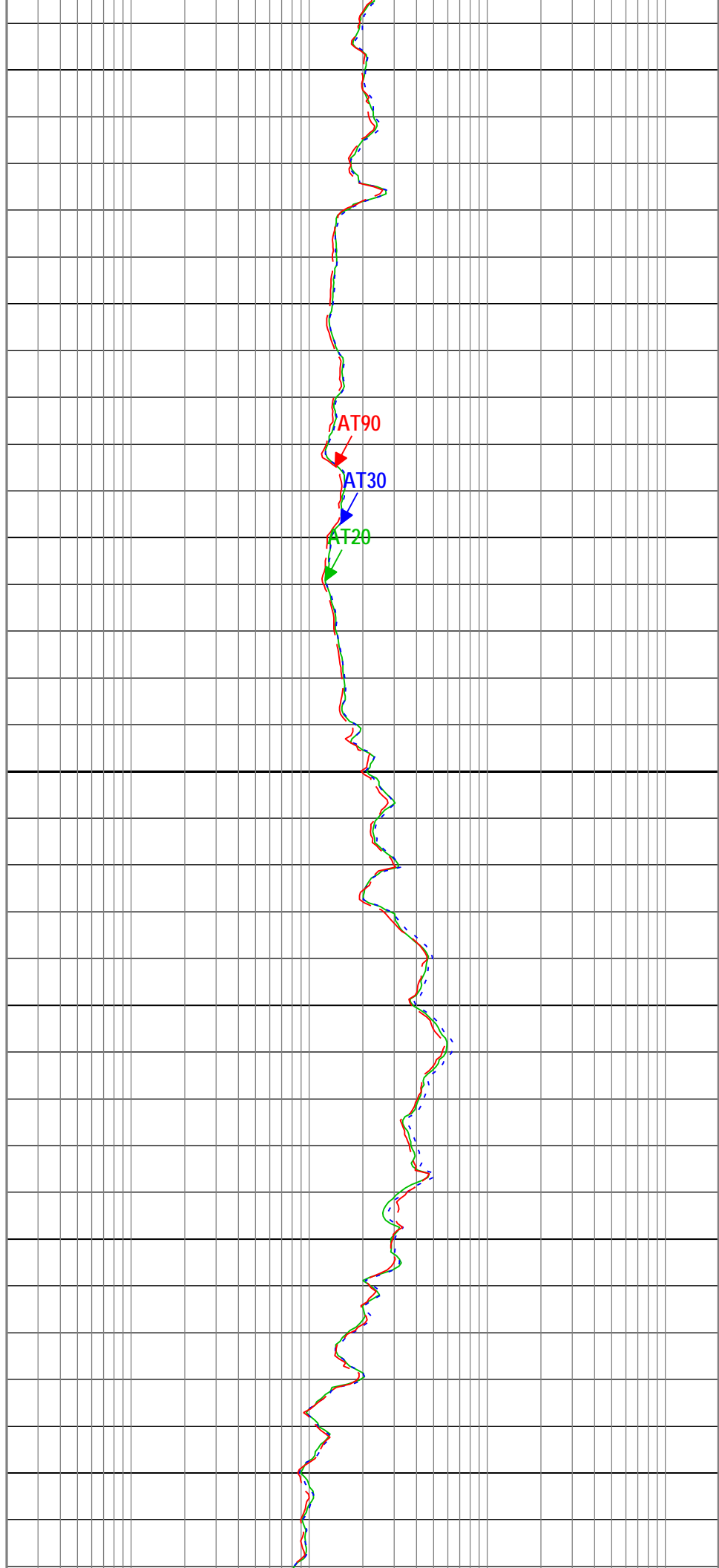
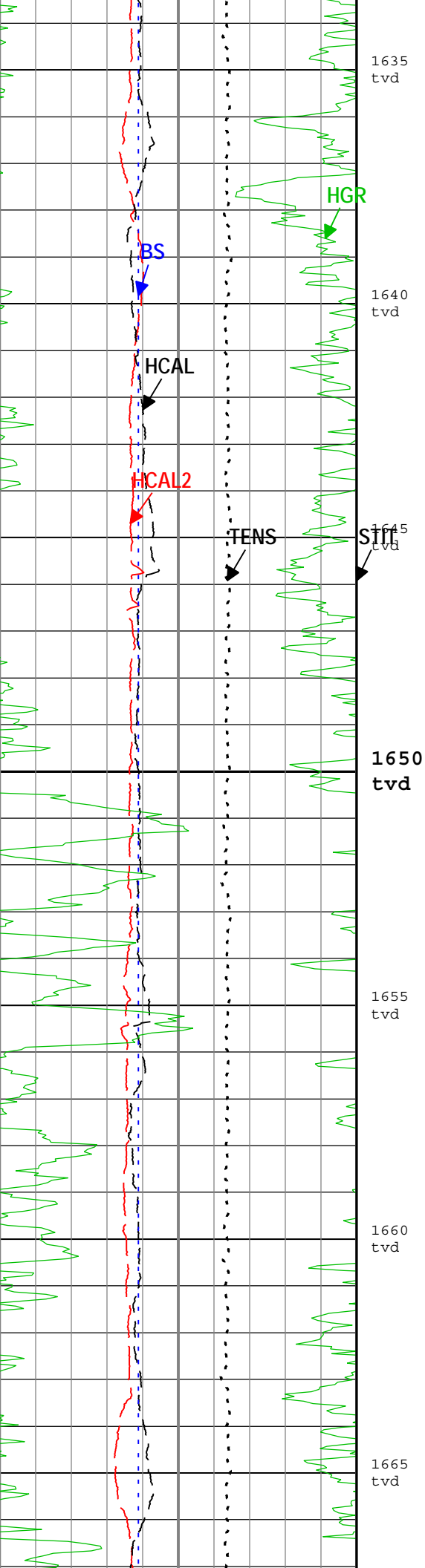
	Cable Tension (TENS)		

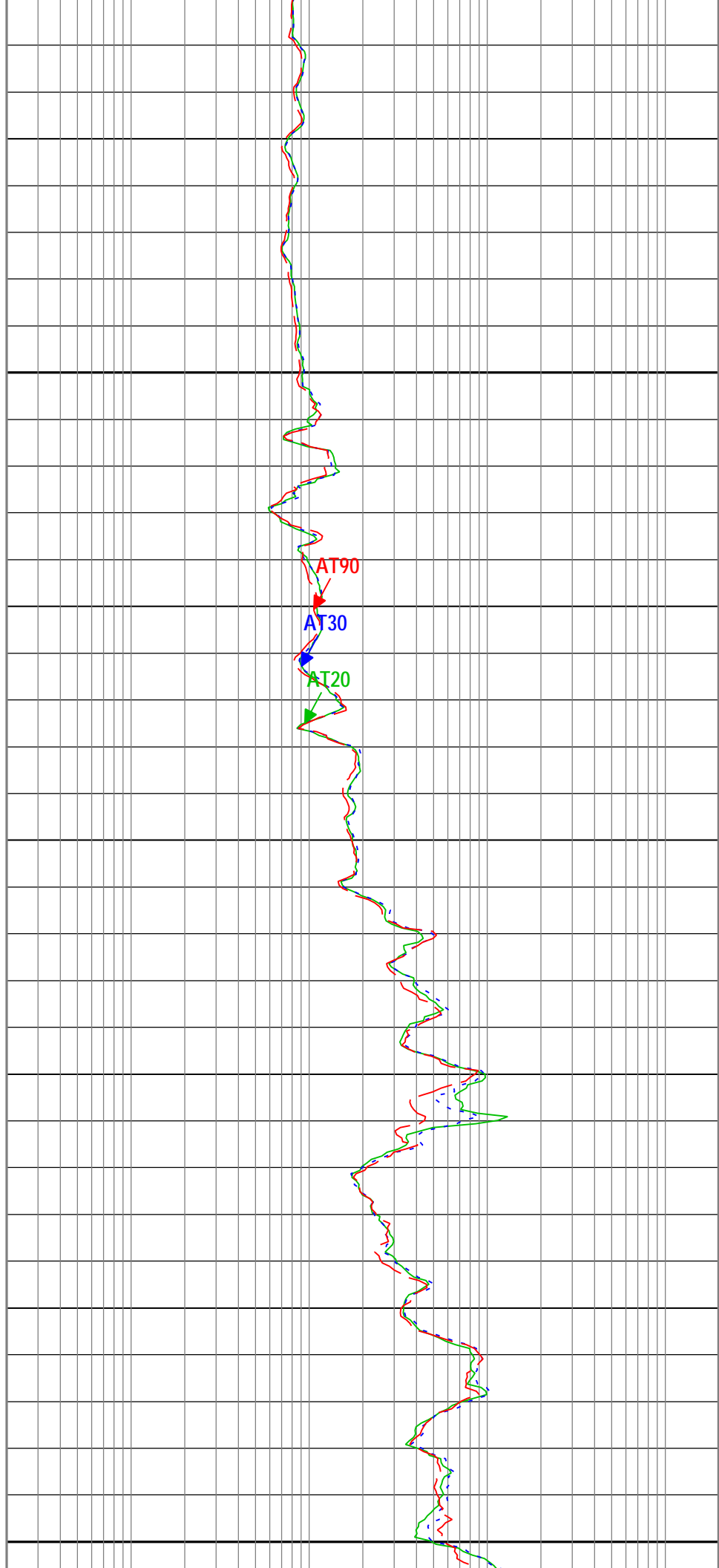
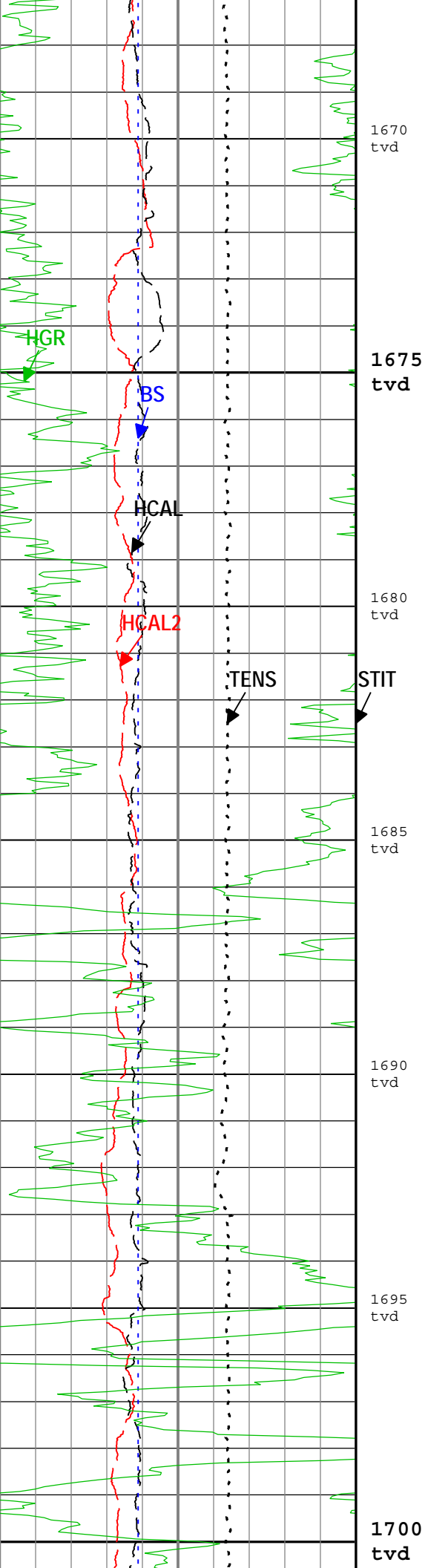
	25000 N 0		
	HCAL2		
-----	mm		
125			375
	HCAL		
-----	mm		
125			375
	Bit Size (BS)		
-----	mm		
125			375
	HGR		
-----	gAPI		
0			150

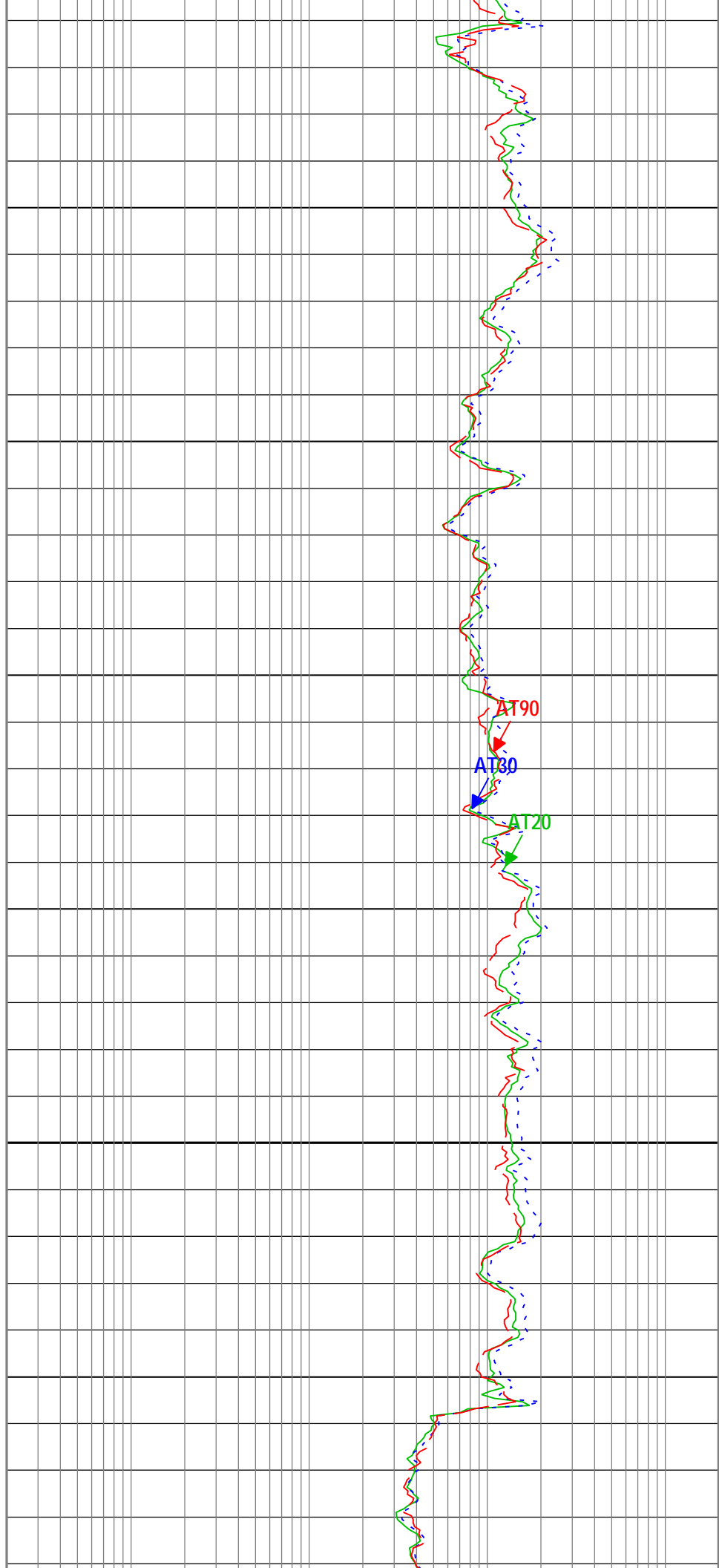
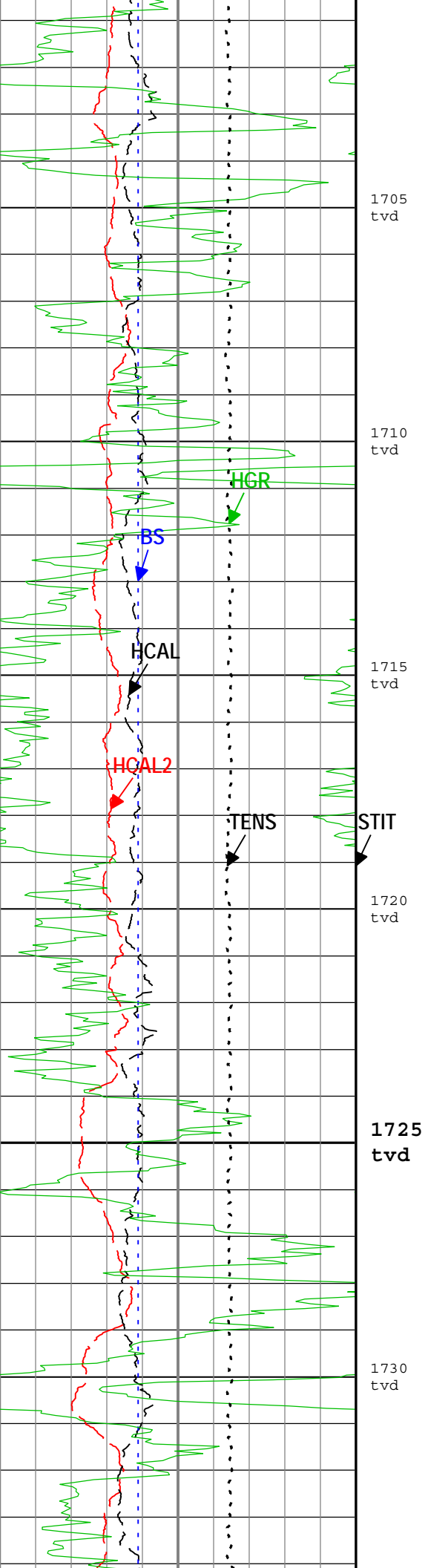
	Array Induction Two Foot Resistivity A20 (AT20) AIT-M		
-----	ohm.m		
0.2			2000
	Array Induction Two Foot Resistivity A30 (AT30) AIT-M		
-----	ohm.m		
0.2			2000
	Array Induction Two Foot Resistivity A90 (AT90) AIT-M		
-----	ohm.m		
0.2			2000

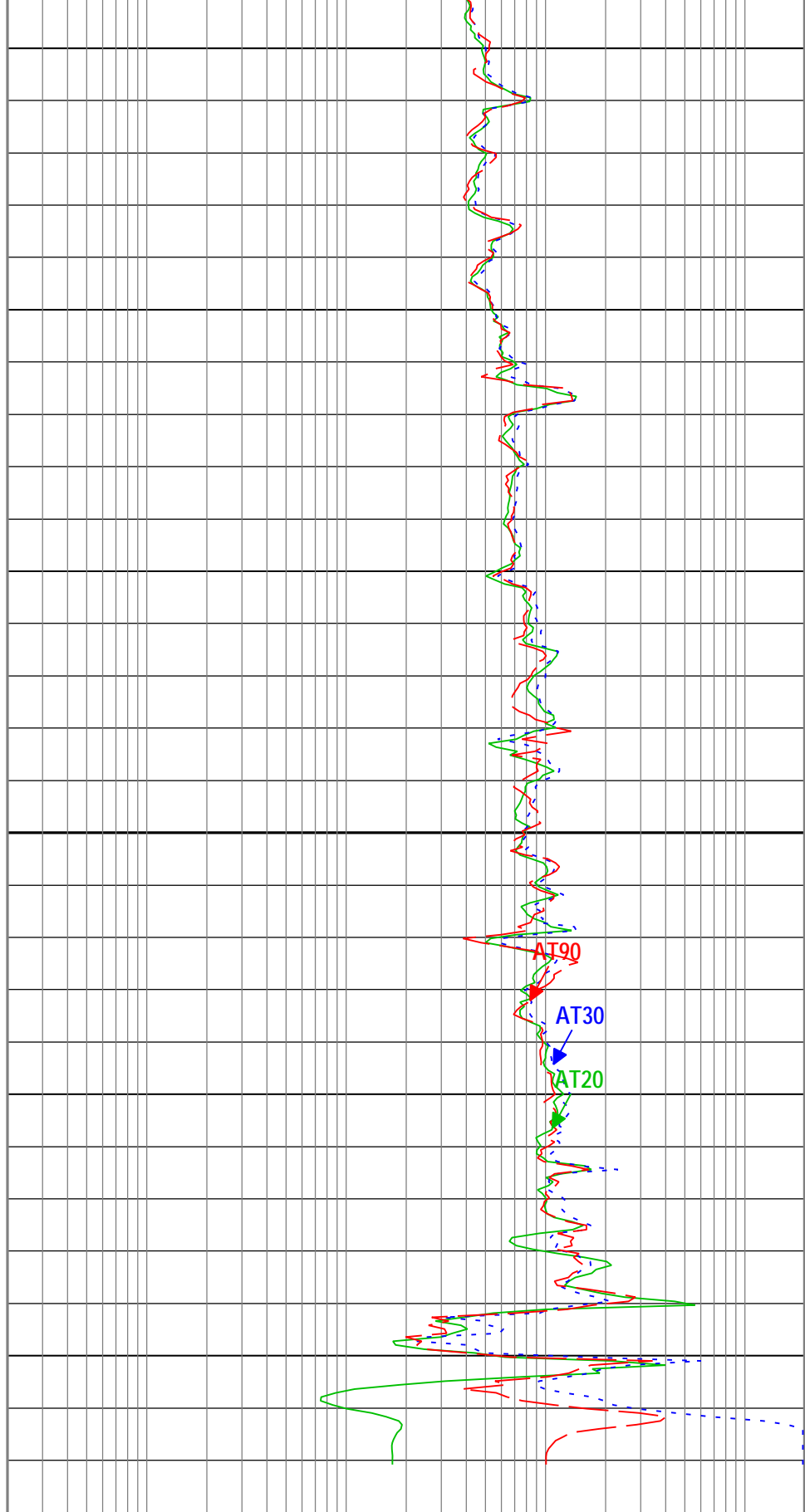
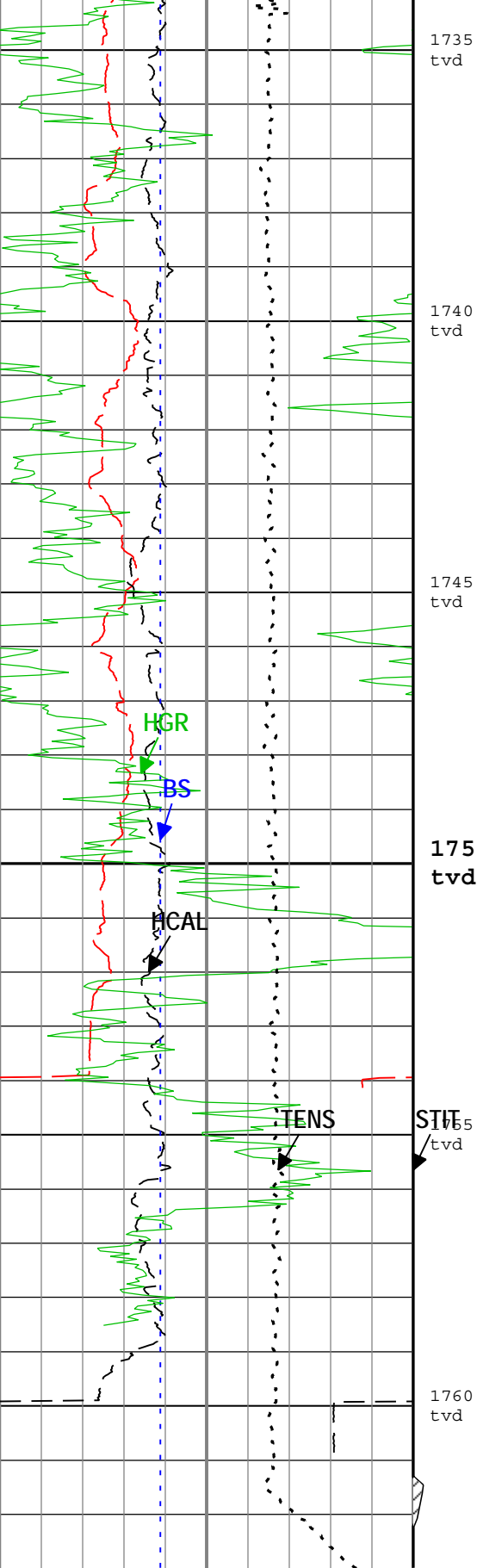
MAIN PASS: ARRAY INDUCTION LOG











MAIN PASS: ARRAY INDUCTION LOG

HCAL2		
125	mm	375
HCAL		
125	mm	375
Bit Size (BS)		

Array Induction Two Foot Resistivity A20 (AT20) AIT-M		
0.2	ohm.m	2000
Array Induction Two Foot Resistivity A30 (AT30) AIT-M		
0.2	ohm.m	2000
Array Induction Two Foot Resistivity A90 (AT90) AIT-M		

Channel Processing Parameters				
Parameter	Description	Tool	Value	Unit
ABHM	Array Induction Borehole Correction Mode	AIT-M	Compute Mud Resistivity	
ACDE	Array Induction Casing Detection Enable	AIT-M	Yes	
ASTA	Array Induction Tool Standoff	AIT-M	40.64	mm
BHS	Borehole Status (Open or Cased Hole)	Borehole	Open	
BHT	Bottom Hole Temperature	Borehole	71.5	degC
BS	Bit Size	WLSESSION	222	mm
CALI_SHIFT.1	CALI Supplementary Offset	HDRS-H	13.5	mm
CALI_SHIFT.2	CALI Supplementary Offset	HDRS-H	4.4	mm
CBLO	Casing Bottom (Logger)	WLSESSION	603	m
DC_MODE	Depth Correction Mode	DepthCorrection	Real-time	
GCSE_DOWN_PASS	Generalized Caliper Selection for WL Log Down Passes	Borehole	BS	
GCSE_UP_PASS	Generalized Caliper Selection for WL Log Up Passes	Borehole	CALI	
GRSE	Generalized Mud Resistivity Selection, from Measured or Computed Mud Resistivity	Borehole	REMS	
GTSE	Generalized Temperature Selection, from Measured or Computed Temperature	Borehole	CTEM	
TD	Total Measured Depth	Borehole	1819.1	m

Tool Control Parameters				
Parameter	Description	Tool	Value	Unit
HMCA_BRD_TYPE	HMCA Board Type	HGNS-H	1	
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	548.64	m/h

Calibration Report			
AIT-M (Array Induction Tool - M) Calibration - Run 1.1			
Primary Equipment :			
File code for AIT-MA Sonde Tool Element	AMIS	129	
Auxiliary Equipment :			
AITM Rm/SP Bottom Nose	AMRM	129	

AIT Sonde Calibration - Test Loop Gain							
Master (EEPROM):		10:28:12 31-Dec-2013					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Test Loop Gain - 0		Master	1.000	0.950	1.014	1.050	
Test Loop Phase - 0	deg	Master	0	-3.000	1.089	3.000	
Test Loop Gain - 1		Master	1.000	0.950	1.008	1.050	
Test Loop Phase - 1	deg	Master	0	-3.000	0.684	3.000	
Test Loop Gain - 2		Master	1.000	0.950	1.009	1.050	
Test Loop Phase - 2	deg	Master	0	-3.000	-0.018	3.000	
Test Loop Gain - 3		Master	1.000	0.950	1.004	1.050	
Test Loop Phase - 3	deg	Master	0	-3.000	0.042	3.000	
Test Loop Gain - 4		Master	1.000	0.950	0.989	1.050	
Test Loop Phase - 4	deg	Master	0	-3.000	0.028	3.000	
Test Loop Gain - 5		Master	1.000	0.950	0.980	1.050	
Test Loop Phase - 5	deg	Master	0	-3.000	-0.052	3.000	
Test Loop Gain - 6		Master	1.000	0.950	0.987	1.050	
Test Loop Phase - 6	deg	Master	0	-3.000	0.343	3.000	
Test Loop Gain - 7		Master	1.000	0.950	1.007	1.050	

Test Loop Phase - 7	deg	Master	0	-3.000	0.019	3.000	<div><div></div><div></div><div></div><div></div></div>
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AIT Sonde Calibration - Sonde Error Correction

Master (EEPROM): 10:28:12 31-Dec-2013

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div><div></div></div>
Sonde Error Correction Real - 0	mS/m	Master	-----	-231.000	-80.037	119.000	<div><div></div></div>
Sonde Error Correction Quad - 0		Master	-----	-2250.000	-45.287	2250.000	<div><div></div></div>
Sonde Error Correction Real - 1	mS/m	Master	-----	114.000	162.947	204.000	<div><div></div></div>
Sonde Error Correction Quad - 1		Master	-----	-625.000	140.227	625.000	<div><div></div></div>
Sonde Error Correction Real - 2	mS/m	Master	-----	66.000	107.663	156.000	<div><div></div></div>
Sonde Error Correction Quad - 2		Master	-----	-350.000	-65.097	350.000	<div><div></div></div>
Sonde Error Correction Real - 3	mS/m	Master	-----	39.000	59.198	89.000	<div><div></div></div>
Sonde Error Correction Quad - 3		Master	-----	-250.000	32.514	250.000	<div><div></div></div>
Sonde Error Correction Real - 4	mS/m	Master	-----	15.000	25.111	35.000	<div><div></div></div>
Sonde Error Correction Quad - 4		Master	-----	-63.000	12.558	63.000	<div><div></div></div>
Sonde Error Correction Real - 5	mS/m	Master	-----	4.000	11.772	24.000	<div><div></div></div>
Sonde Error Correction Quad - 5		Master	-----	-50.000	12.598	50.000	<div><div></div></div>
Sonde Error Correction Real - 6	mS/m	Master	-----	5.000	9.450	15.000	<div><div></div></div>
Sonde Error Correction Quad - 6		Master	-----	-30.000	-1.456	30.000	<div><div></div></div>
Sonde Error Correction Real - 7	mS/m	Master	-----	-5.000	-1.529	5.000	<div><div></div></div>
Sonde Error Correction Quad - 7		Master	-----	-30.000	-9.453	30.000	<div><div></div></div>

AIT Mud Calibration - Mud Calibration Gain

Master (EEPROM): 10:28:12 31-Dec-2013

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit		
Coarse Gain		Master	1.000	0.800	0.854	1.200		
Fine Gain		Master	1.000	0.800	0.855	1.200		

AIT Electronics Check - Thru Calibration Check

Master (EEPROM): 10:28:12 31-Dec-2013 Before (Measured): 17:33:23 14-Jan-2014 After:

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit		
Thru Cal Mag - 0	V	Master	----	0.366	0.621	0.854		
		Before	----	0.366	0.621	0.854		
		After	----	----	----	----		
		Before-Master	----	----	0.000	----		
		After-Before	----	----	----	----		
Thru Cal Phase - 0	deg	Master	----	137.000	-174.832	-103.000		
		Before	----	137.000	-166.266	-103.000		
		After	----	----	----	----		
		Before-Master	----	----	8.566	----		
		After-Before	----	----	----	----		
Thru Cal Mag - 1	V	Master	----	0.762	1.275	1.778		
		Before	----	0.762	1.275	1.778		
		After	----	----	----	----		
		Before-Master	----	----	0.000	----		
		After-Before	----	----	----	----		
Thru Cal Phase - 1	deg	Master	----	136.000	-175.928	-104.000		
		Before	----	136.000	-167.360	-104.000		
		After	----	----	----	----		
		Before-Master	----	----	8.568	----		
		After-Before	----	----	----	----		
Thru Cal Mag - 2	V	Master	----	0.372	0.632	0.868		
		Before	----	0.372	0.632	0.868		
		After	----	----	----	----		
		Before-Master	----	----	0.000	----		
		After-Before	----	----	----	----		
Thru Cal Phase - 2	deg	Master	----	132.000	-179.506	-108.000		
		Before	----	132.000	-170.938	-108.000		
		After	----	----	----	----		
		Before-Master	----	----	8.568	----		
		After-Before	----	----	----	----		
Thru Cal Mag - 3	V	Master	----	0.420	0.715	0.980		
		Before	----	0.420	0.715	0.980		
		After	----	----	----	----		
		Before-Master	----	----	0.000	----		
		After-Before	----	----	----	----		
Thru Cal Phase - 3	deg	Master	----	131.000	179.717	-109.000		
		Before	----	131.000	-171.711	-109.000		

		After Before-Master After-Before	----- ----- -----	----- ----- -----	----- -351.428 -----	----- ----- -----	
Thru Cal Mag - 4	V	Master Before After Before-Master After-Before	----- ----- ----- ----- -----	0.804 0.804 ----- ----- -----	1.338 1.338 ----- 0.000 -----	1.876 1.876 ----- ----- -----	
Thru Cal Phase - 4	deg	Master Before After Before-Master After-Before	----- ----- ----- ----- -----	125.000 125.000 ----- ----- -----	173.499 -177.921 ----- -351.420 -----	-115.000 -115.000 ----- ----- -----	
Thru Cal Mag - 5	V	Master Before After Before-Master After-Before	----- ----- ----- ----- -----	1.176 1.176 ----- ----- -----	1.944 1.943 ----- -0.001 -----	2.744 2.744 ----- ----- -----	
Thru Cal Phase - 5	deg	Master Before After Before-Master After-Before	----- ----- ----- ----- -----	122.000 122.000 ----- ----- -----	171.861 -179.552 ----- -351.413 -----	-118.000 -118.000 ----- ----- -----	
Thru Cal Mag - 6	V	Master Before After Before-Master After-Before	----- ----- ----- ----- -----	1.176 1.176 ----- ----- -----	1.941 1.940 ----- -0.001 -----	2.744 2.744 ----- ----- -----	
Thru Cal Phase - 6	deg	Master Before After Before-Master After-Before	----- ----- ----- ----- -----	121.000 121.000 ----- ----- -----	171.902 -179.513 ----- -351.415 -----	-119.000 -119.000 ----- ----- -----	
Thru Cal Mag - 7	V	Master Before After Before-Master After-Before	----- ----- ----- ----- -----	0.846 0.846 ----- ----- -----	1.395 1.395 ----- 0.000 -----	1.974 1.974 ----- ----- -----	
Thru Cal Phase - 7	deg	Master Before After Before-Master After-Before	----- ----- ----- ----- -----	115.000 115.000 ----- ----- -----	171.159 179.812 ----- 8.653 -----	-125.000 -125.000 ----- ----- -----	
SPA Zero	mV	Master Before After Before-Master After-Before	 ----- -----	-50.000 -50.000 ----- ----- -----	-0.122 -0.133 ----- -0.011 -----	50.000 50.000 ----- ----- -----	
SPA Plus	mV	Master Before After Before-Master After-Before	 ----- -----	941.000 941.000 ----- ----- -----	990.432 990.105 ----- -0.327 -----	1040.000 1040.000 ----- ----- -----	
Temperature Zero	V	Master Before After Before-Master After-Before	 ----- -----	-0.050 -0.050 ----- ----- -----	0.000 0.000 ----- 0.000 -----	0.050 0.050 ----- ----- -----	
Temperature Plus	V	Master Before After Before-Master After-Before	 ----- -----	0.870 0.870 ----- ----- -----	0.917 0.917 ----- 0.000 -----	0.960 0.960 ----- ----- -----	

HILT High-Resolution Control Cartridge, 150 degC	HRCC-H	880
HILT Resistivity Gamma-Ray Density Device, 150 degC	HRGD-H	4796

Auxiliary Equipment :

HRDD Backscatter Detector	Backscatter	
HRDD Long Spacing Detector	Long Spacing	28679
HRDD Short Spacing Detector	Short Spacing	
Cesium 137 Gamma-Ray Logging Source	GSR-J	5285
HILT High-Resolution Control Cartridge, 150 degC	HRCC-H	880
HRMS, 125 degC, 10 kpsi	HRMS-B	894

Calibration Parameter :

Small Ring Size (Caliper Calibration Small Ring)	203.2
Large Ring Size (Caliper Calibration Large Ring)	304.8

HDRS Caliper Calibration - Caliper Accumulations

Before (Measured): 06:27:32 14-Jan-2014

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Small Ring	mm	Before	203.2	152.4	199.0	254.0	
Large Ring	mm	Before	304.8	228.6	292.0	381.0	

HDRS Density Calibration - Inversion Results

Master (EEPROM): 12:27:24 24-Dec-2013

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Rho Aluminum	kg/m3	Master	2596	2586	2600	2606	
Rho Magnesium	kg/m3	Master	1686	1676	1690	1696	
Pe Aluminum		Master	2.570	2.470	2.579	2.670	
Pe Magnesium		Master	2.650	2.550	2.603	2.750	

HDRS Density Calibration - Deviation Summary

Master (EEPROM): 12:27:24 24-Dec-2013

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
BS Average Deviation	%	Master	0	-0.6000	0.2068	0.6000	
BS Max Deviation	%	Master	0	-1.6000	0.6397	1.6000	
SS Average Deviation	%	Master	0	-1.0000	0.3839	1.0000	
SS Max Deviation	%	Master	0	-2.5000	1.5922	2.5000	
LS Average Deviation	%	Master	0	-1.5000	0.8683	1.5000	
LS Max Deviation	%	Master	0	-3.5000	2.7525	3.5000	

HDRS Density Calibration - Background Summary



Master (EEPROM): 12:27:24 24-Dec-2013 Before (Measured): 06:28:18 14-Jan-2014

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
BS Window Ratio		Master	1.0000		0.7364		
		Before	0.7364	0.6996	0.7419	0.7732	
		Before-Master	-----	-----	0.0055	-----	
BS Window Sum	1/s	Master	1		26467		
		Before	26467	25143	26655	27790	
		Before-Master	-----	-----	188	-----	
SS Window Ratio		Master	1.0000		0.4815		
		Before	0.4815	0.4574	0.4769	0.5056	
		Before-Master	-----	-----	-0.0046	-----	
SS Window Sum	1/s	Master	1		11894		
		Before	11894	11300	11857	12489	
		Before-Master	-----	-----	-37	-----	
LS Window Ratio		Master	1.0000		0.2994		
		Before	0.2994	0.2844	0.2975	0.3144	
		Before-Master	-----	-----	-0.0019	-----	
LS Window Sum	1/s	Master	1		1353		
		Before	1353	1285	1341	1421	
		Before-Master	-----	-----	-12	-----	











HDRS Density Calibration - Photo-multiplier High Voltages

Master (EEPROM): 12:27:24 24-Dec-2013 Before (Measured): 06:28:18 14-Jan-2014





Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
BS PM High Voltage	V	Master		1000	1339	2400	
		Before		1000	1329	2400	
		Before-Master	-----	-100	-10	100	

SS PM High Voltage	V	Master Before Before-Master	-----	1000 1000 -100	1361 1398 37	2400 2400 100	
LS PM High Voltage	V	Master Before Before-Master	-----	1000 1000 -100	1321 1343 22	2400 2400 100	

HDRS Density Calibration - Crystal Quality Resolutions

Master (EEPROM): 12:27:24 24-Dec-2013		Before (Measured): 06:28:18 14-Jan-2014					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
BS Crystal Resolution	%	Master		5.00	10.60	25.00	
		Before		5.00	10.44	25.00	
		Before-Master	-----	-1.00	-0.16	1.00	
SS Crystal Resolution	%	Master		5.00	9.82	20.00	
		Before		5.00	10.29	20.00	
		Before-Master	-----	-1.00	0.47	1.00	
LS Crystal Resolution	%	Master		5.00	8.22	20.00	
		Before		5.00	8.07	20.00	
		Before-Master	-----	-1.00	-0.15	1.00	



HDRS MCFL Calibration - MCFL Accumulations

Before (Measured): 06:24:53 14-Jan-2014							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Main Resistivity	ohm.m	Before	3875	3565	3839	4185	
Deep Resistivity	ohm.m	Before	3830	3524	3808	4136	
Shallow Resistivity	ohm.m	Before	3830	3524	3810	4136	














HGNS-H (HILT Gamma-Ray and Neutron Sonde, 150 degC) Calibration - Run 1.1

Primary Equipment :			
HILT Gamma-Ray and Neutron Sonde, 150 degC		HGNS-H	4792
Auxiliary Equipment :			
HGNS Accelerometer, 150 degC		HACCZ-H	5469
AmBe Neutron Logging Source		NSR-F	2516
Calibration Parameter :			
Water Temperature			
Housing Size			
JIG-BKG (Jig minus background reference)		165	



HGNS Accelerometer Calibration - Accelerometer Accumulations

Before (Measured): 17:31:34 14-Jan-2014							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
AZ Vertical Measurement	m/s2	Before	9.81	9.61	9.81	10.01	

HGNS Accelerometer EEPROM - Accelerometer EEPROM Read

Master (EEPROM): 00:00:00 15-Sep-2006							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Accelerometer Manufacturer		Master			QAT_160		
Accelerometer Reference Temperature	degC	Master		-1.0	25.0	50.0	
Accelerometer Coefficients - 0		Master	-----	-----	7241.000	-----	
Accelerometer Coefficients - 1		Master	-----	-----	5.473	-----	
Accelerometer Coefficients - 2		Master	-----	-----	-0.012	-----	
Accelerometer Coefficients - 3		Master	-----	-----	0.000	-----	
Accelerometer Coefficients - 4		Master	-----	-----	2.735	-----	
Accelerometer Coefficients - 5		Master	-----	-----	0.000	-----	
Accelerometer Coefficients - 6		Master	-----	-----	0.000	-----	
Accelerometer Coefficients - 7		Master	-----	-----	0.000	-----	
Accelerometer Coefficients - 8		Master	-----	-----	300.400	-----	
Accelerometer Coefficients - 9		Master	-----	-----	0.984	-----	

HGNS Neutron Calibration - HGNS Neutron Accumulations

Master (EEPROM): 09:05:16 31-Dec-2013		Before (Measured): 06:25:14 14-Jan-2014		After:			
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Near Zero Measurement	1/c	Master	0	5.0	27.0	40.0	

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit		
CBL Amplitude - 0	mV	Before	----	----	----	----		

CBL Reference Amplitude (CBRA) - 0	mV	Before	-----	-----	-----	-----	
Measurement Depth - 0	m	Before	-----	-----	-----	-----	
CBL Free Pipe Adjustment - CBL Amplitude Coefficient							
Before:							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
CBL Adjustment Factor		Before	1.000	0.200	NOT DONE	5.000	
Depth of Before Calibration	ft	Before			NOT DONE		

HDRS-H[2] (HILT Density and Rxo Sonde, 150 degC) Calibration - Run 1.1

Primary Equipment :							
	HILT High-Resolution Control Cartridge, 150 degC		HRCC-H				
	HILT Resistivity Gamma-Ray Density Device, 150 degC		HRGD-H			3914	
Auxiliary Equipment :							
	HRDD Backscatter Detector		Backscatter				
	HRDD Long Spacing Detector		Long Spacing			28710	
	HRDD Short Spacing Detector		Short Spacing			27760	
	Cesium 137 Gamma-Ray Logging Source		GSR-J			5310	
	HILT High-Resolution Control Cartridge, 150 degC		HRCC-H				
	HILT High-Resolution Mechanical Sonde, 150 degC		HRMS-H			3875	
Calibration Parameter :							
	Small Ring Size (Caliper Calibration Small Ring)		203.2				
	Large Ring Size (Caliper Calibration Large Ring)		304.8				

HDRS Caliper Calibration - Caliper Accumulations

Before (Measured):	06:29:21 14-Jan-2014						
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Small Ring	mm	Before	203.2	152.4	204.6	254.0	
Large Ring	mm	Before	304.8	228.6	313.3	381.0	

HDRS Density Calibration - Inversion Results

Master (EEPROM):	10:28:40 24-Dec-2013						
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Rho Aluminum	kg/m3	Master	2596	2586	2598	2606	
Rho Magnesium	kg/m3	Master	1686	1676	1690	1696	
Pe Aluminum		Master	2.570	2.470	2.568	2.670	
Pe Magnesium		Master	2.650	2.550	2.615	2.750	

HDRS Density Calibration - Deviation Summary

Master (EEPROM):	10:28:40 24-Dec-2013						
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
BS Average Deviation	%	Master	0	-0.6000	0.2310	0.6000	
BS Max Deviation	%	Master	0	-1.6000	0.8128	1.6000	
SS Average Deviation	%	Master	0	-1.0000	0.6214	1.0000	
SS Max Deviation	%	Master	0	-2.5000	1.9703	2.5000	
LS Average Deviation	%	Master	0	-1.5000	0.3753	1.5000	
LS Max Deviation	%	Master	0	-3.5000	1.3653	3.5000	

HDRS Density Calibration - Background Summary

Master (EEPROM):	10:28:40 24-Dec-2013		Before (Measured):		14:51:08 09-Jan-2014 Expired by 4 days		
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
BS Window Ratio		Master	1.0000		0.7406		
		Before	0.7406	0.7036	0.7452	0.7776	
		Before-Master	-----	-----	0.0046	-----	
BS Window Sum	1/s	Master	1		23979		
		Before	23979	22780	24136	25178	
		Before-Master	-----	-----	157	-----	
SS Window Ratio		Master	1.0000		0.4809		
		Before	0.4809	0.4569	0.4768	0.5050	
		Before-Master	-----	-----	-0.0041	-----	
SS Window Sum	1/s	Master	1		10589		
		Before	10589	10060	10583	11119	
		Before-Master	-----	-----	-6	-----	

LS Window Ratio		Master Before Before-Master	1.0000 0.3042 -----	0.2890 -----	0.3042 0.2988 -0.0054	0.3194 -----	<div><div></div><div></div><div></div><div></div></div>
LS Window Sum	1/s	Master Before Before-Master	1 1192 -----	1132 -----	1192 1180 -12	1251 -----	<div><div></div><div></div><div></div><div></div></div>

HDRS Density Calibration - Photo-multiplier High Voltages

Master (EEPROM): 10:28:40 24-Dec-2013		Before (Measured):		14:51:08 09-Jan-2014 Expired by 4 days			
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div><div></div><div></div><div></div><div></div></div>
BS PM High Voltage	V	Master		1000	1448	2400	<div><div></div><div></div><div></div><div></div></div>
		Before		1000	1447	2400	<div><div></div><div></div><div></div><div></div></div>
		Before-Master	-----	-100	-1	100	<div><div></div><div></div><div></div><div></div></div>
SS PM High Voltage	V	Master		1000	1477	2400	<div><div></div><div></div><div></div><div></div></div>
		Before		1000	1506	2400	<div><div></div><div></div><div></div><div></div></div>
		Before-Master	-----	-100	29	100	<div><div></div><div></div><div></div><div></div></div>
LS PM High Voltage	V	Master		1000	1289	2400	<div><div></div><div></div><div></div><div></div></div>
		Before		1000	1286	2400	<div><div></div><div></div><div></div><div></div></div>
		Before-Master	-----	-100	-3	100	<div><div></div><div></div><div></div><div></div></div>

HDRS Density Calibration - Crystal Quality Resolutions

Master (EEPROM): 10:28:40 24-Dec-2013		Before (Measured):		14:51:08 09-Jan-2014 Expired by 4 days			
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div><div></div><div></div><div></div><div></div></div>
BS Crystal Resolution	%	Master		5.00	10.46	25.00	<div><div></div><div></div><div></div><div></div></div>
		Before		5.00	10.41	25.00	<div><div></div><div></div><div></div><div></div></div>
		Before-Master	-----	-1.00	-0.05	1.00	<div><div></div><div></div><div></div><div></div></div>
SS Crystal Resolution	%	Master		5.00	10.04	20.00	<div><div></div><div></div><div></div><div></div></div>
		Before		5.00	10.64	20.00	<div><div></div><div></div><div></div><div></div></div>
		Before-Master	-----	-1.00	0.60	1.00	<div><div></div><div></div><div></div><div></div></div>
LS Crystal Resolution	%	Master		5.00	8.04	20.00	<div><div></div><div></div><div></div><div></div></div>
		Before		5.00	8.03	20.00	<div><div></div><div></div><div></div><div></div></div>
		Before-Master	-----	-1.00	-0.01	1.00	<div><div></div><div></div><div></div><div></div></div>

HDRS MCFL Calibration - MCFL Accumulations

Before (Measured): 06:25:34 14-Jan-2014							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div><div></div><div></div><div></div><div></div></div>
Main Resistivity	ohm.m	Before	3875	3565	3906	4185	<div><div></div><div></div><div></div><div></div></div>
Deep Resistivity	ohm.m	Before	3830	3524	3827	4136	<div><div></div><div></div><div></div><div></div></div>
Shallow Resistivity	ohm.m	Before	3830	3524	3837	4136	<div><div></div><div></div><div></div><div></div></div>

SGT-N (Scintillation Gamma-Ray Tool) Calibration - Run 1.1

Primary Equipment :			
Scintillation Gamma Cartridge		SGC-TB	10447
Calibration Parameter :			
Plus Reference (Jig minus background reference)		165	

SGT-N Gamma-Ray Calibration - Gamma Ray Coefficients

Before (Measured): 06:28:02 14-Jan-2014		After:					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div><div></div><div></div><div></div><div></div></div>
Gamma Ray Gain		Before			1.169		<div><div></div><div></div><div></div><div></div></div>
		After	-----	-----	-----	-----	<div><div></div><div></div><div></div><div></div></div>
		After-Before	-----	-----	-----	-----	<div><div></div><div></div><div></div><div></div></div>

SGT-N Gamma-Ray Calibration - Gamma Ray Accumulations

Before (Measured): 06:28:02 14-Jan-2014		After:					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div><div></div><div></div><div></div><div></div></div>
RGR Zero Measurement	gAPI	Before		0	44.958	120.000	<div><div></div><div></div><div></div><div></div></div>
		After	-----	-----	-----	-----	<div><div></div><div></div><div></div><div></div></div>
		After-Before	-----	-----	-----	-----	<div><div></div><div></div><div></div><div></div></div>
RGR Plus Measurement	gAPI	Before	141.161	128.328	141.161	153.994	<div><div></div><div></div><div></div><div></div></div>
		After			NOT DONE		<div><div></div><div></div><div></div><div></div></div>
		After-Before	-----	-----	-----	-----	<div><div></div><div></div><div></div><div></div></div>

SGT-N Gamma-Ray Plateau Check - Gamma Ray Plateau Check

Before (Measured): 14:58:24 09-Jan-2014		After:					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div><div></div><div></div><div></div><div></div></div>
RGR Plus Plateau Measurement	gAPI	Before			173.529		<div><div></div><div></div><div></div><div></div></div>

		After After-Before	-----	-----	-----	-----	
RGR Minus Plateau Measurement	gAPI	Before After After-Before	-----	-----	170.096	-----	
			-----	-----	-----	-----	

LEH-QT (Logging Equipment Head - QT, 3-3/8 inch 31 pin HPHT with Tension Sensor) Calibration - Run 1.1							
Primary Equipment : <div> <div>Logging Equipment Head - QT, 3-3/8 inch 31 pin HPHT with Tension Sensor</div> <div>LEH-QT</div> <div>2850</div> </div>							
HTEN Master Calibration - HTEN Master Calibration							
Master:							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
HTEN Shop Gain		Master	1.000	0.800	NOT DONE	4.500	
HTEN Shop Offset	lbf	Master	0	-4448.222	NOT DONE	4448.222	
HTEN Before Calibration - HTEN Before Calibration							
Before:							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
RHTE Zero Measurement - 0	lbf	Before	-----	-----	-----	-----	
RHTE Plus Measurement - 0	lbf	Before	-----	-----	-----	-----	
HTEN Gain - 0		Before	-----	-----	-----	-----	
HTEN Offset - 0	lbf	Before	-----	-----	-----	-----	

Survey Record															
Survey Calculation															
Method :				Minimum Radius of Curvature				DLS Method :				Lubinski			
North Reference :				True North				Total Correction Formula :				Magnetic Dec			
Rig Location															
Latitude :				65° 5' 27" N				Longitude :				126° 59' 58" W			
Tie In Point															
Measured Depth:		0.00 m		Inclination:		0.00 deg		Azimuth:		0.00 deg					
True Vertical Depth:		0.00 m		North Displacement:		0.00 m		East Displacement:		0.00 m					
Survey Quality Index															
9 : Manual				28 : Tie-In Point											
Survey Correction Index															
0 : No correction															
Survey Description Index															
0 : Not Flagged Survey															
Seq	MD (m)	Incl (deg)	Azim (deg)	Course (m)	TVD (m)	V Sec (m)	N/ -S (m)	E/ -W (m)	Closure (m)	at Azim (deg)	DLS deg/30m	Tool Type	QI	CI	DI
1	0.00	0.00	0.00	----	0.00	0.00	0.00	0.00	0.00	90.00	0.00	TIP	28	0	0
2	29.00	0.40	0.00	29.00	29.00	0.10	0.10	0.00	0.10	360.00	0.41	Other	9	0	0
3	62.00	0.50	0.00	33.00	62.00	0.36	0.36	0.00	0.36	360.00	0.09	Other	9	0	0
4	90.00	0.20	0.00	28.00	90.00	0.53	0.53	0.00	0.53	360.00	0.32	Other	9	0	0
5	118.00	0.20	0.00	28.00	118.00	0.63	0.63	0.00	0.63	360.00	0.00	Other	9	0	0
6	146.00	0.10	0.00	28.00	146.00	0.70	0.70	0.00	0.70	360.00	0.11	Other	9	0	0
7	183.00	0.20	0.00	37.00	183.00	0.80	0.80	0.00	0.80	360.00	0.08	Other	9	0	0
8	211.00	0.30	0.00	28.00	211.00	0.92	0.92	0.00	0.92	360.00	0.11	Other	9	0	0
9	240.00	0.50	0.00	29.00	240.00	1.12	1.12	0.00	1.12	360.00	0.21	Other	9	0	0
10	269.00	0.80	0.00	29.00	268.99	1.45	1.45	0.00	1.45	360.00	0.31	Other	9	0	0
11	306.00	1.00	0.00	37.00	305.99	2.03	2.03	0.00	2.03	360.00	0.16	Other	9	0	0
12	348.00	0.90	0.00	42.00	347.98	2.73	2.73	0.00	2.73	360.00	0.07	Other	9	0	0
13	378.00	0.40	0.00	30.00	377.98	3.07	3.07	0.00	3.07	360.00	0.50	Other	9	0	0
14	396.00	0.60	0.00	18.00	395.98	3.23	3.23	0.00	3.23	360.00	0.33	Other	9	0	0
15	433.00	0.60	0.00	37.00	432.98	3.62	3.62	0.00	3.62	360.00	0.00	Other	9	0	0

	461.00	0.60	0.00	28.00	480.98	3.91	3.91	0.00	3.91	360.00	0.00	Other	9	0	0
17	489.00	0.50	0.00	28.00	488.98	4.18	4.18	0.00	4.18	360.00	0.11	Other	9	0	0
18	508.00	0.70	0.00	19.00	507.98	4.38	4.38	0.00	4.38	360.00	0.32	Other	9	0	0
19	544.00	0.40	0.00	36.00	543.97	4.72	4.72	0.00	4.72	360.00	0.25	Other	9	0	0
20	571.00	0.50	0.00	27.00	570.97	4.93	4.93	0.00	4.93	360.00	0.11	Other	9	0	0
21	627.50	0.31	124.14	56.50	627.47	5.09	5.09	0.13	5.10	1.42	0.38	Other	9	0	0
22	704.50	0.62	137.27	77.00	704.47	4.67	4.67	0.58	4.71	7.10	0.13	Other	9	0	0
23	781.50	0.71	129.47	77.00	781.46	4.06	4.06	1.23	4.25	16.88	0.05	Other	9	0	0
24	818.50	0.71	121.14	37.00	818.46	3.80	3.80	1.61	4.12	22.92	0.08	Other	9	0	0
25	856.50	1.28	112.77	38.00	856.46	3.51	3.51	2.20	4.14	32.05	0.46	Other	9	0	0
26	896.50	1.28	113.56	40.00	896.45	3.16	3.16	3.02	4.37	43.70	0.01	Other	9	0	0
27	932.50	1.19	113.98	36.00	932.44	2.85	2.85	3.73	4.69	52.64	0.08	Other	9	0	0
28	970.50	0.88	151.55	38.00	970.43	2.43	2.43	4.23	4.88	60.11	0.57	Other	9	0	0
29	1008.50	1.02	147.85	38.00	1008.43	1.89	1.89	4.55	4.93	67.46	0.12	Other	9	0	0
30	1046.50	1.19	133.05	38.00	1046.42	1.33	1.33	5.02	5.19	75.13	0.26	Other	9	0	0
31	1084.50	1.50	124.45	38.00	1084.41	0.78	0.78	5.72	5.77	82.21	0.29	Other	9	0	0
32	1122.50	1.10	145.78	38.00	1122.40	0.20	0.20	6.33	6.33	88.20	0.49	Other	9	0	0
33	1160.50	1.19	131.15	38.00	1160.39	-0.36	-0.36	6.83	6.84	93.04	0.24	Other	9	0	0
34	1198.50	2.12	145.56	38.00	1198.38	-1.20	-1.20	7.53	7.62	99.07	0.80	Other	9	0	0
35	1236.50	1.81	176.76	38.00	1236.35	-2.38	-2.38	7.96	8.31	106.65	0.87	Other	9	0	0
36	1274.50	1.41	163.67	38.00	1274.34	-3.43	-3.43	8.12	8.82	112.88	0.43	Other	9	0	0
37	1312.50	1.90	156.64	38.00	1312.32	-4.46	-4.46	8.51	9.60	117.65	0.42	Other	9	0	0
38	1351.50	2.12	141.06	39.00	1351.30	-5.61	-5.61	9.22	10.79	121.33	0.45	Other	9	0	0
39	1389.50	2.90	172.66	38.00	1389.27	-7.11	-7.11	9.78	12.09	126.02	1.23	Other	9	0	0
40	1426.50	2.78	175.74	37.00	1426.22	-8.93	-8.93	9.97	13.38	131.87	0.16	Other	9	0	0
41	1446.00	4.20	204.66	19.50	1445.68	-10.05	-10.05	9.70	13.97	136.02	3.41	Other	9	0	0
42	1464.50	2.70	229.77	18.50	1464.15	-10.95	-10.95	9.09	14.23	140.31	3.40	Other	9	0	0
43	1474.50	4.02	247.44	10.00	1474.13	-11.24	-11.24	8.58	14.14	142.62	4.99	Other	9	0	0
44	1483.50	4.60	257.05	9.00	1483.11	-11.44	-11.44	7.94	13.93	145.23	3.08	Other	9	0	0
45	1493.50	6.32	262.42	10.00	1493.06	-11.60	-11.60	7.01	13.55	148.88	5.38	Other	9	0	0
46	1503.00	7.11	268.46	9.50	1502.50	-11.69	-11.69	5.90	13.09	153.22	3.34	Other	9	0	0
47	1512.50	8.09	268.37	9.50	1511.91	-11.72	-11.72	4.64	12.61	158.39	3.09	Other	9	0	0
48	1522.00	8.62	267.36	9.50	1521.31	-11.77	-11.77	3.26	12.22	164.51	1.74	Other	9	0	0
49	1531.50	9.81	264.58	9.50	1530.69	-11.88	-11.88	1.75	12.01	171.64	4.01	Other	9	0	0
50	1541.00	10.78	267.18	9.50	1540.04	-12.00	-12.00	0.05	12.00	179.74	3.40	Other	9	0	0
51	1550.50	11.62	269.47	9.50	1549.36	-12.06	-12.06	-1.79	12.19	188.45	3.00	Other	9	0	0
52	1560.00	12.59	269.78	9.50	1558.65	-12.07	-12.07	-3.78	12.65	197.40	3.07	Other	9	0	0
53	1569.50	14.41	271.28	9.50	1567.88	-12.05	-12.05	-6.00	13.46	206.48	5.85	Other	9	0	0
54	1580.00	15.60	270.75	10.50	1578.02	-12.00	-12.00	-8.72	14.83	216.00	3.42	Other	9	0	0
55	1599.00	19.40	278.37	19.00	1596.14	-11.51	-11.51	-14.40	18.43	231.37	6.99	Other	9	0	0
56	1608.50	19.31	287.85	9.50	1605.11	-10.79	-10.79	-17.45	20.52	238.27	9.92	Other	9	0	0
57	1617.50	19.80	296.44	9.00	1613.59	-9.66	-9.66	-20.24	22.42	244.48	9.71	Other	9	0	0
58	1627.00	20.19	300.14	9.50	1622.52	-8.12	-8.12	-23.09	24.48	250.63	4.18	Other	9	0	0
59	1636.50	21.21	303.36	9.50	1631.41	-6.35	-6.35	-25.95	26.71	256.25	4.83	Other	9	0	0
60	1645.50	22.80	306.18	9.00	1639.75	-4.43	-4.43	-28.72	29.05	261.24	6.36	Other	9	0	0
61	1655.00	24.48	309.35	9.50	1648.45	-2.09	-2.09	-31.72	31.79	266.23	6.65	Other	9	0	0
62	1664.50	27.22	309.27	9.50	1657.00	0.53	0.53	-34.93	34.93	270.87	8.65	Other	9	0	0
63	1674.00	29.12	310.94	9.50	1665.38	3.42	3.42	-38.36	38.51	275.10	6.50	Other	9	0	0
64	1683.50	31.20	312.66	9.50	1673.59	6.61	6.61	-41.91	42.43	278.96	7.11	Other	9	0	0
65	1693.00	33.41	312.66	9.50	1681.62	10.05	10.05	-45.65	46.74	282.41	6.98	Other	9	0	0
66	1702.50	36.10	310.68	9.50	1689.42	13.64	13.64	-49.69	51.53	285.35	9.21	Other	9	0	0
67	1712.00	38.62	308.96	9.50	1696.98	17.33	17.33	-54.12	56.83	287.76	8.61	Other	9	0	0
68	1721.50	41.71	305.96	9.50	1704.23	21.05	21.05	-58.99	62.63	289.64	11.51	Other	9	0	0
69	1731.00	44.19	306.67	9.50	1711.19	24.89	24.89	-64.20	68.86	291.19	7.98	Other	9	0	0
70	1740.50	47.02	306.67	9.50	1717.83	28.94	28.94	-69.65	75.42	292.56	8.94	Other	9	0	0

71	1750.00	48.61	307.77	9.50	1724.21	33.20	33.20	-75.25	82.25	293.81	5.64	Other	9	0	0
72	1759.50	50.91	309.66	9.50	1730.35	37.74	37.74	-80.91	89.27	295.00	8.57	Other	9	0	0
73	1769.00	52.32	310.15	9.50	1736.25	42.51	42.51	-86.62	96.49	296.14	4.61	Other	9	0	0
74	1778.50	55.50	312.17	9.50	1741.84	47.57	47.57	-92.39	103.92	297.24	11.29	Other	9	0	0
75	1788.00	57.58	311.87	9.50	1747.08	52.87	52.87	-98.28	111.60	298.28	6.62	Other	9	0	0
76	1797.50	60.41	310.28	9.50	1751.97	58.22	58.22	-104.42	119.55	299.14	9.92	Other	9	0	0
77	1807.00	63.10	308.96	9.50	1756.47	63.55	63.55	-110.87	127.79	299.82	9.25	Other	9	0	0
78	1816.50	66.11	308.78	9.50	1760.54	68.94	68.94	-117.55	136.27	300.39	9.52	Other	9	0	0
79	1825.00	69.51	308.34	8.50	1763.75	73.84	73.84	-123.70	144.07	300.84	12.09	Other	9	0	0
80	1835.00	73.49	307.55	10.00	1766.93	79.67	79.67	-131.18	153.48	301.27	12.15	Other	9	0	0
81	1845.00	76.71	307.55	10.00	1769.50	85.56	85.56	-138.84	163.09	301.64	9.66	Other	9	0	0
82	1854.50	79.10	305.56	9.50	1771.49	91.09	91.09	-146.30	172.34	301.91	9.73	Other	9	0	0
83	1864.00	80.20	304.07	9.50	1773.19	96.43	96.43	-153.97	181.68	302.06	5.79	Other	9	0	0
84	1873.50	82.02	303.67	9.50	1774.66	101.66	101.66	-161.77	191.06	302.15	5.88	Other	9	0	0
85	1883.00	84.71	302.88	9.50	1775.76	106.84	106.84	-169.66	200.49	302.20	8.85	Other	9	0	0
86	1889.50	86.61	302.26	6.50	1776.25	110.33	110.33	-175.12	206.97	302.21	9.22	Other	9	0	0

Company:

CONOCOPHILLIPS CANADA RESOURCES CORP

Well:

COPRC DODO CANYON E76

Field:

DODO CANYON

Province:

NORTHWEST TERRITORIES

PLATFORM EXPRESS

ARRAY INDUCTION LOG

TVD

Schlumberger