

# Schlumberger

## VISION Resistivity

### 1:200 True Vertical Depth

### Recorded Mode Data

**Company:** ROC Oil

**Well:** Basker 7

**Field:** Gippsland Basin

**Rig Name:** Ocean Patriot

**State:** Victoria

**Country:** AUSTRALIA

**Latitude:** 38° 17' 58.78" S

**Longitude:** 148° 42' 22.31" E

**Block:**

**FL:** Gippsland Basin

**FL1:** VIC/L26

**FL2:**

**Custom:** 09ASQ0007

**Rig Name:** Ocean Patriot

**Rig Type:** Semi-Submersible

Log Measured From - Drill Floor: 21.5 m  
Permanent Datum - Mean Sea Level



Casing Flange: 152.7 m

Ground Level: 154.2 m

**Acquisition Dates:** 26 Jul 09 to 29 Jul 09

**Print Interval:** 975.0(m) to 2475.6(m)

**Index Types:** True Vertical Depth

**Index Scales:** 1:200

**Depth Source:** Driller Depth

**Depth Sensor:** DES

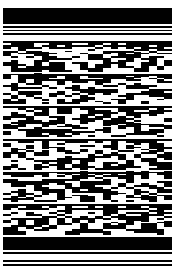
**Conveyance:** Drill Pipe

**Print Type:** Field

**Spud Date:**

**Other Services:**

Directional Surveys



## Disclaimer

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## Run 3

### Software Version

<b>Acquisition System</b>		<b>Version</b>	
MaxWell		1.2.8702.0	
Application Patch		APL-SPC-DnMSuperKit-1.2.8702.1000	
<b>Computation</b>	<b>Description</b>	<b>Version</b>	
ARC8GammaRayComputation	ARC8 Gamma Ray Computation Package for both Real-time and Recorded Mode	1.2.8702.0	
ARCResistivity	ARC Resistivity Computation Package for ARC Tool Family	1.2.8702.0	
<b>Tool Elements</b>	<b>Description</b>	<b>Software Version</b>	<b>Firmware Version</b>
ARDC	ARC 8.25 Inch Tool Drilling Collar	1.2.8702.0	V9.4B
DRILLING_SURFACE	DRILLING_SURFACE	1.2.8702.0	

### Pass Summary

Run Name	Pass Objective	Direction	Top	Bottom	Acquisition Start Date	Acquisition Start Time
Run 3	Drilling	Down	1027.73 m	2918.79 m	26-Jul-2009	15:32:43

All depths are referenced to toolstring zero

### Log

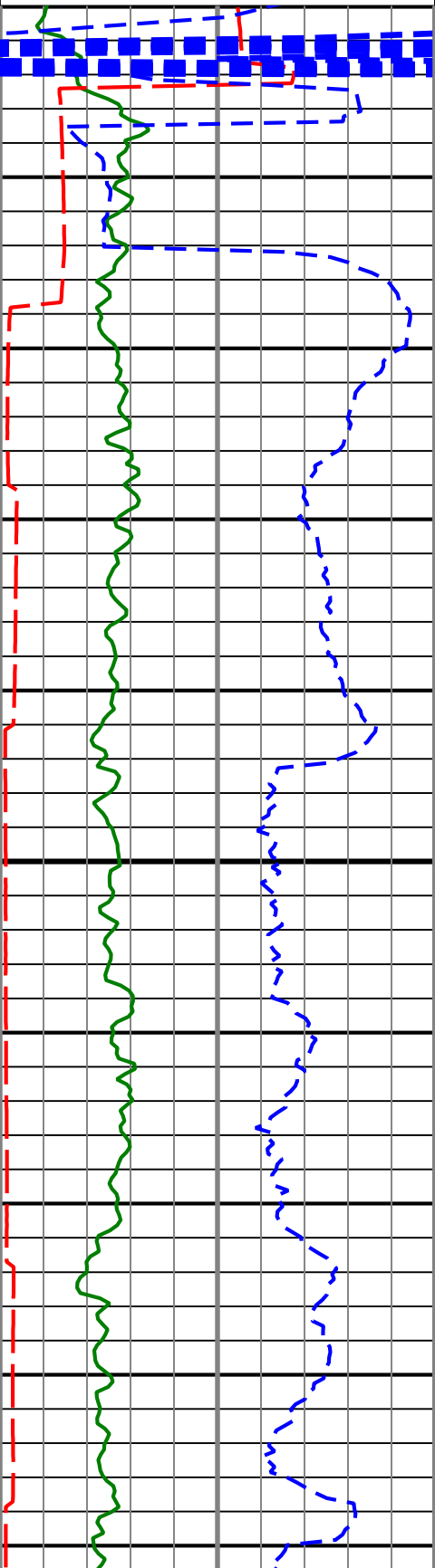
**Run 3: Drilling 15E746D0-31AC-427A-B9AB-BFF5284E2B17**

Description: ARC Dual Frequency 3-Log Resistivity Format: Log ( ARC RM ) Index Scale: 1:200 Index Unit: m Index Type: TVD Creation Date: 29-Jul-2009 13:04:07

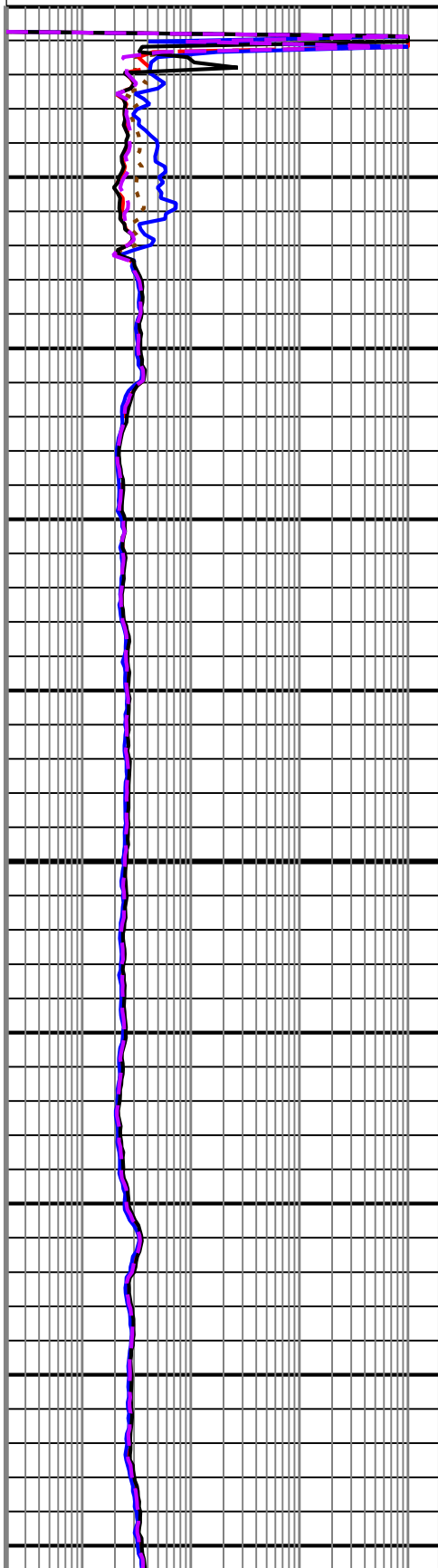
A16H ARC8:ARC8:ARDC 6in - RM  
 A22H ARC8:ARC8:ARDC 6in - RM  
 A28H ARC8:ARC8:ARDC 6in - RM  
 A34H ARC8:ARC8:ARDC 6in - RM  
 A40H ARC8:ARC8:ARDC 6in - RM  
 GR ARC8:ARC8:ARDC 6in - RM  
 P16H ARC8:ARC8:ARDC 6in - RM  
 P22H ARC8:ARC8:ARDC 6in - RM  
 P28H ARC8:ARC8:ARDC 6in - RM  
 P34H ARC8:ARC8:ARDC 6in - RM  
 P40H ARC8:ARC8:ARDC 6in - RM  
 ROP5 DRILLING\_SURFACE 6in - RT  
 TAB\_RES ARC8:ARC8:ARDC 6in

Phase Shift Resistivity 22 inch Spacing at 2 MHz, Environmentally Corrected. (P22H)	Attenuation Resistivity 40 inch Spacing at 2 MHz, Environmentally Corrected. (A40H)
0.2 ohm.m 2000	0.2 ohm.m 2000
Phase Shift Resistivity 34 inch Spacing at 2 MHz, Environmentally Corrected. (P34H)	Attenuation Resistivity 28 inch Spacing at 2 MHz, Environmentally Corrected. (A28H)
0.2 ohm.m 2000	0.2 ohm.m 2000
Phase Shift Resistivity 16 inch Spacing at 2 MHz, Environmentally Corrected. (P16H)	Attenuation Resistivity 16 inch Spacing at 2 MHz, Environmentally Corrected. (A16H)
0.2 ohm.m 2000	0.2 ohm.m 2000

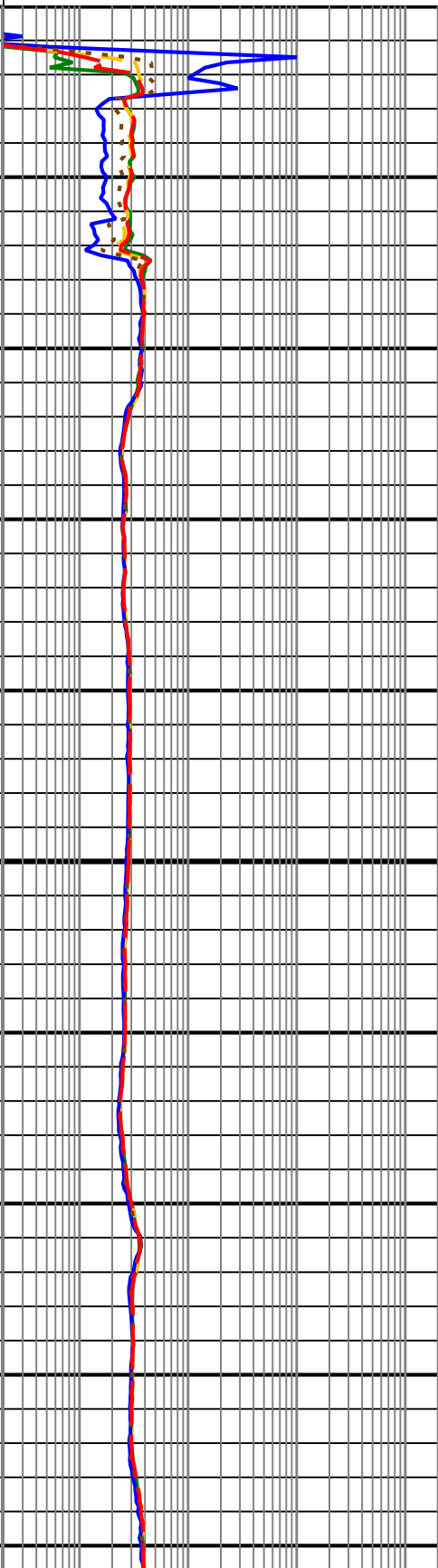
Gamma Ray (GR)		
0	gAPI	200
Resistivity Time After Bit (TAB_RES)		
0	h	10
Rate of penetration averaged over the last 5 ft (1.5 m) (ROP5)		
200	m/h	0

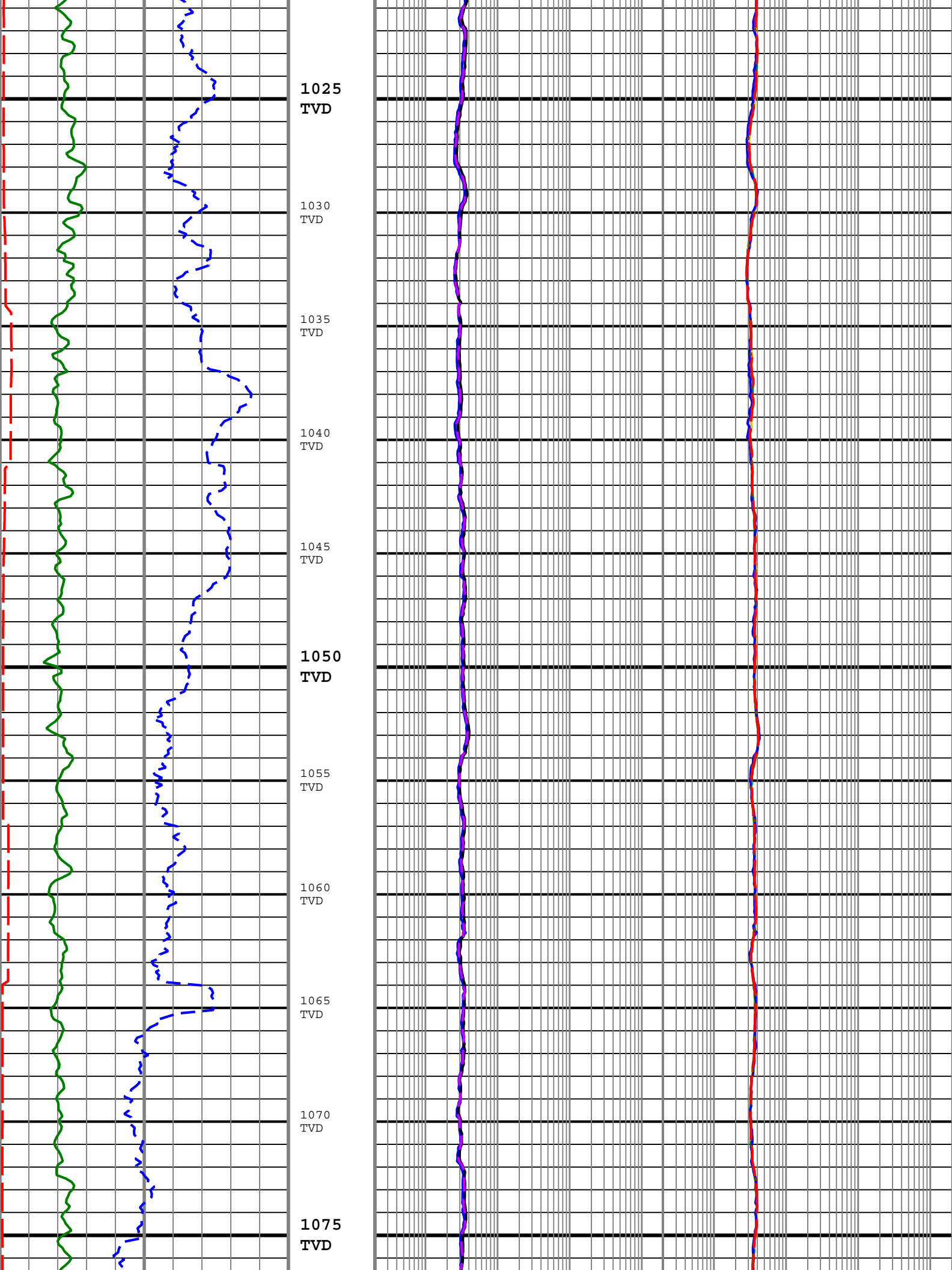


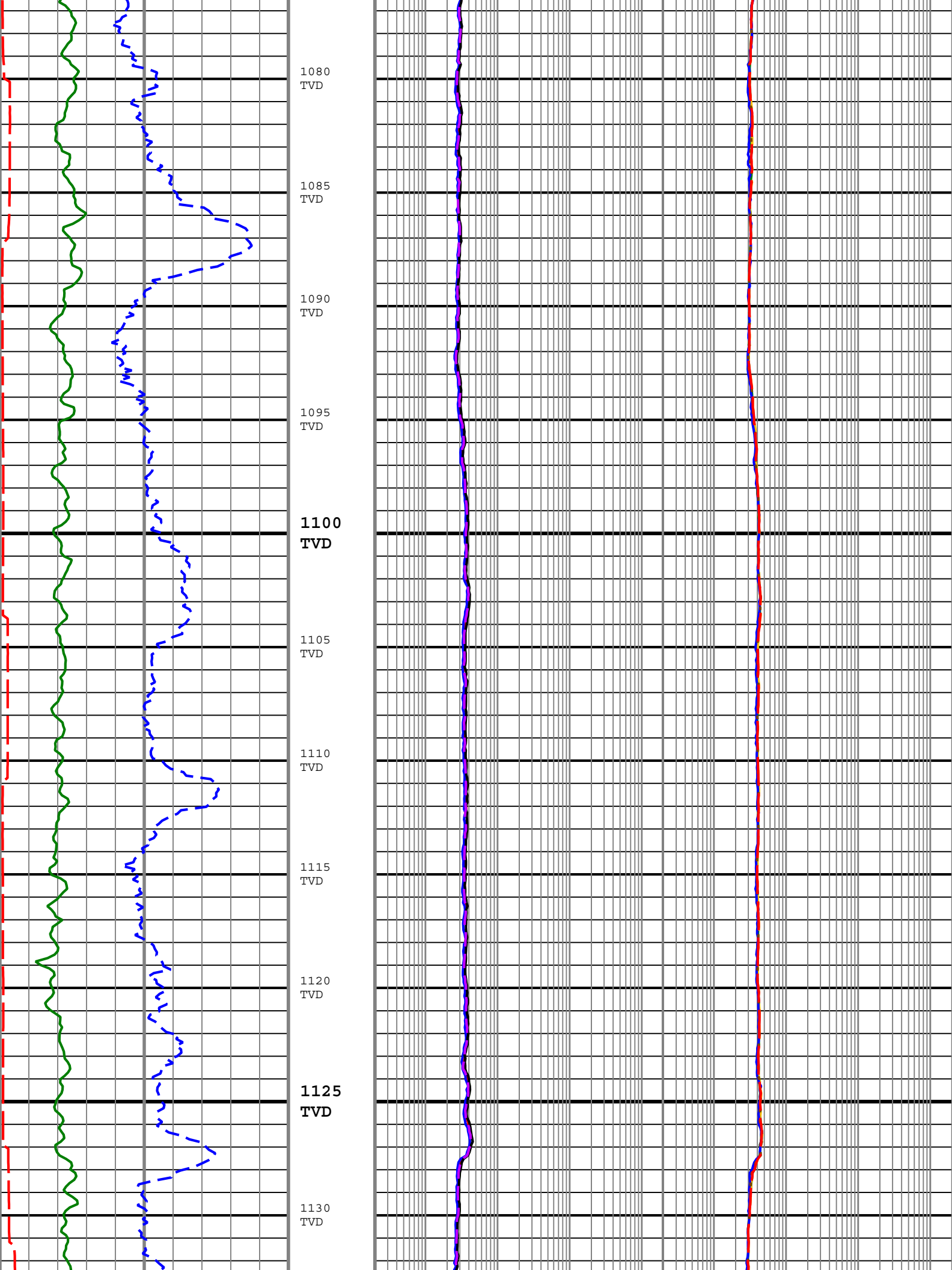
Environmentally Corrected. (P16H)		
0.2	ohm.m	2000
Phase Shift Resistivity 40 inch Spacing at 2 MHz, Environmentally Corrected. (P40H)		
0.2	ohm.m	2000
Phase Shift Resistivity 28 inch Spacing at 2 MHz, Environmentally Corrected. (P28H)		
0.2	ohm.m	2000

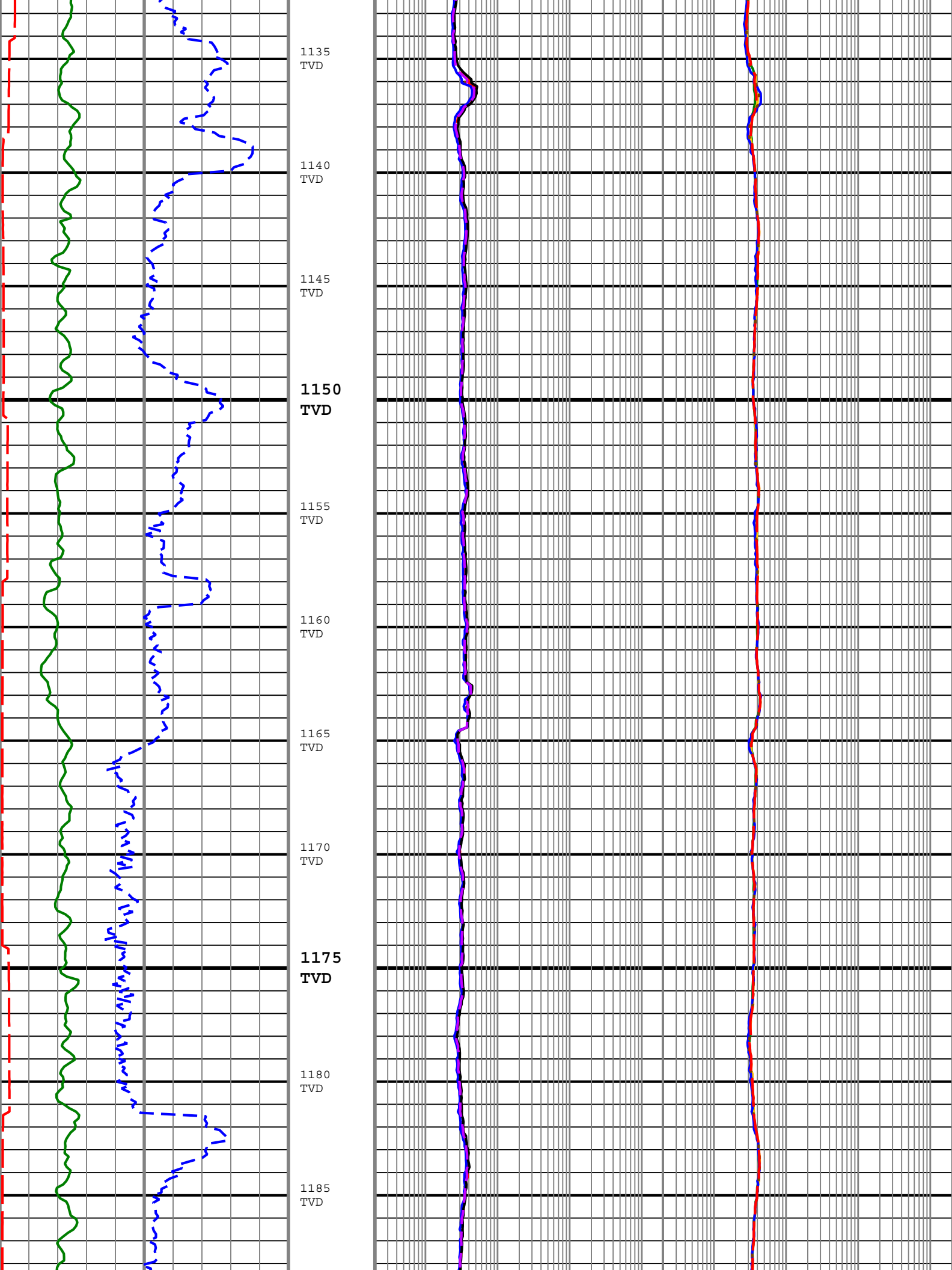


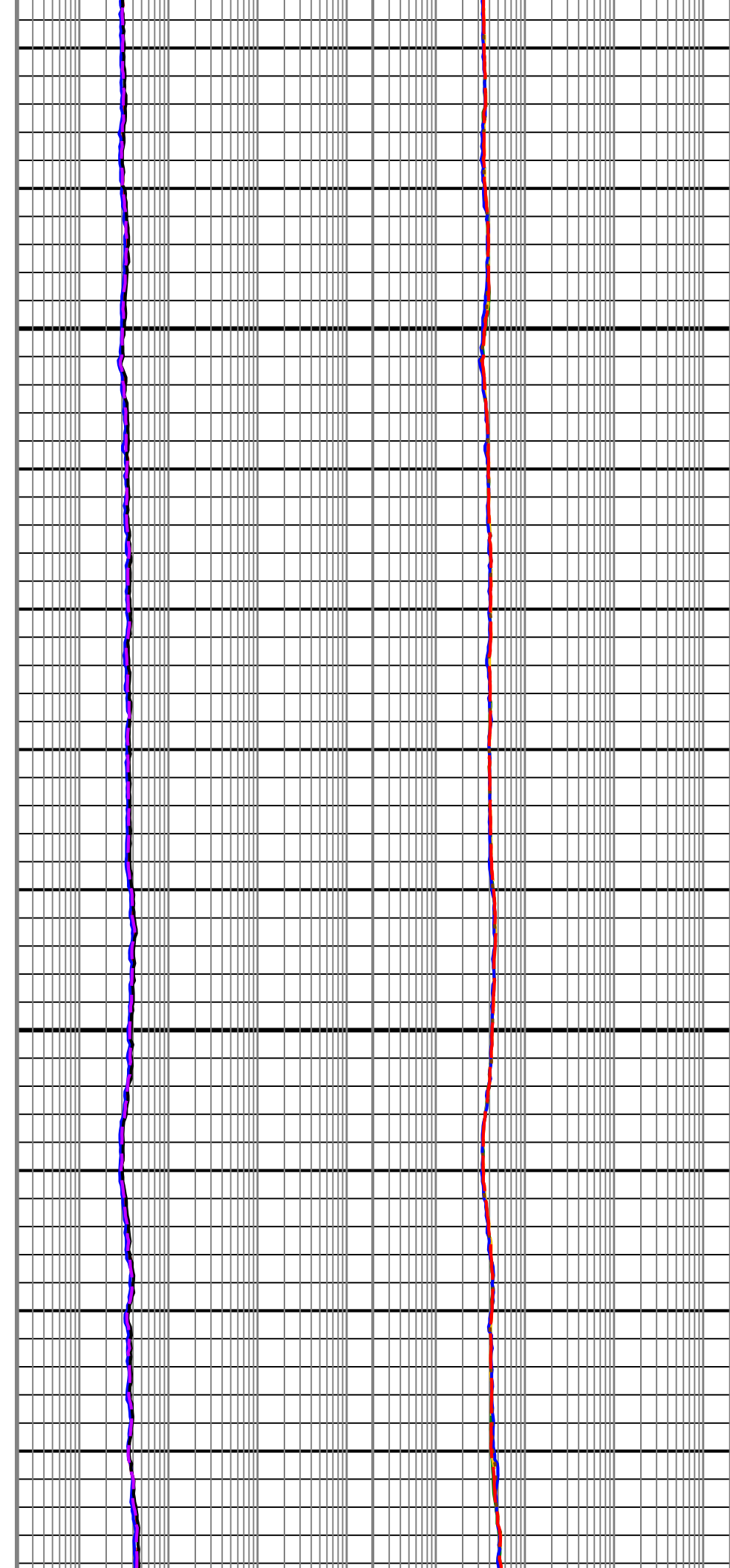
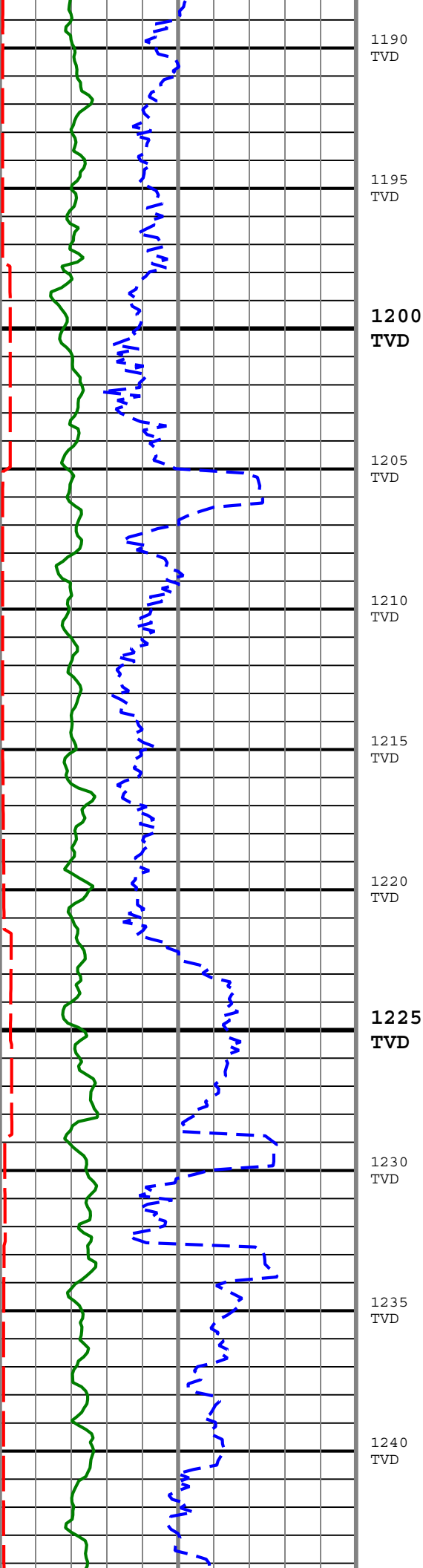
MHz, Environmentally Corrected (A16H)		
0.2	ohm.m	2000
Attenuation Resistivity 22 inch Spacing at 2 MHz, Environmentally Corrected (A22H)		
0.2	ohm.m	2000
Attenuation Resistivity 34 inch Spacing at 2 MHz, Environmentally Corrected (A34H)		
0.2	ohm.m	2000

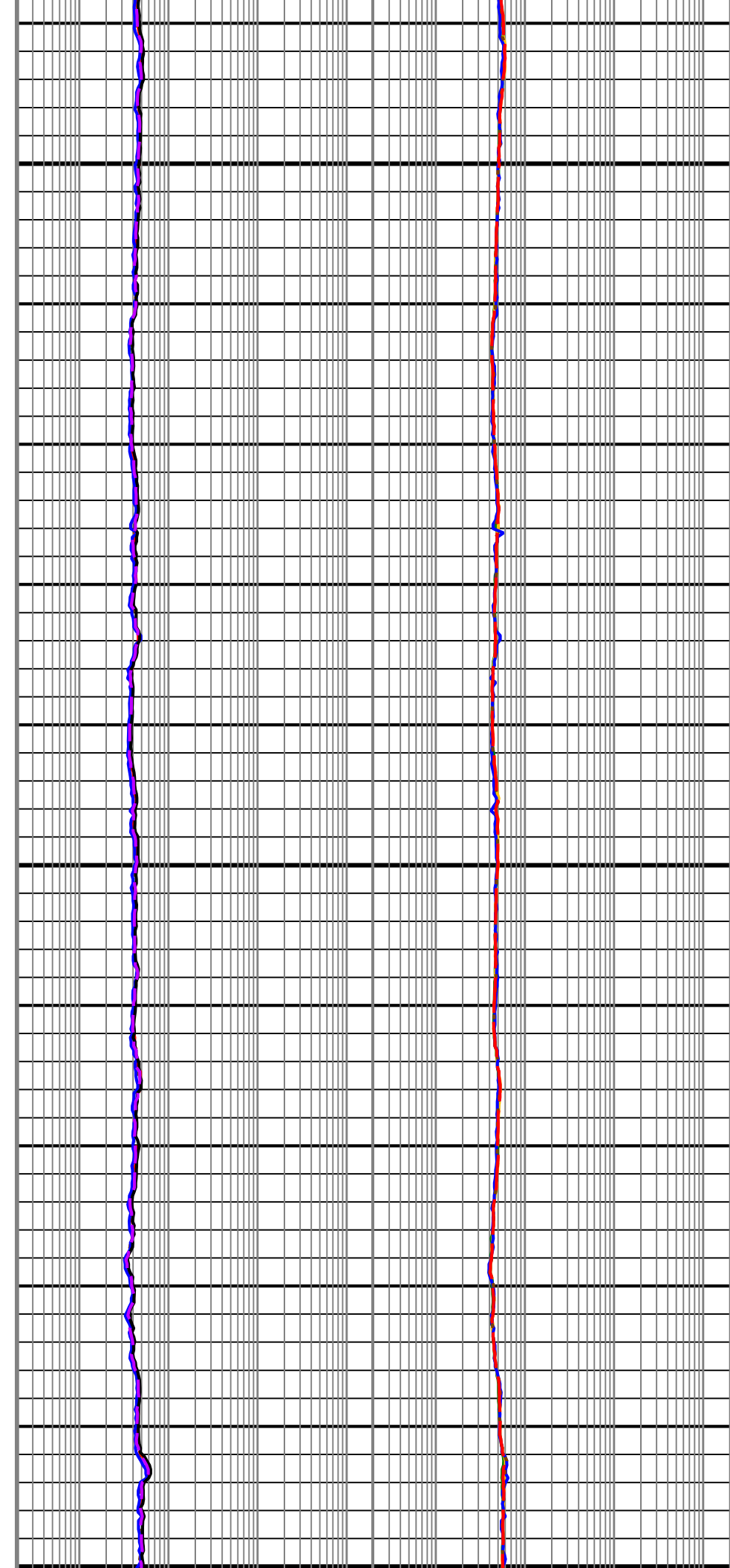
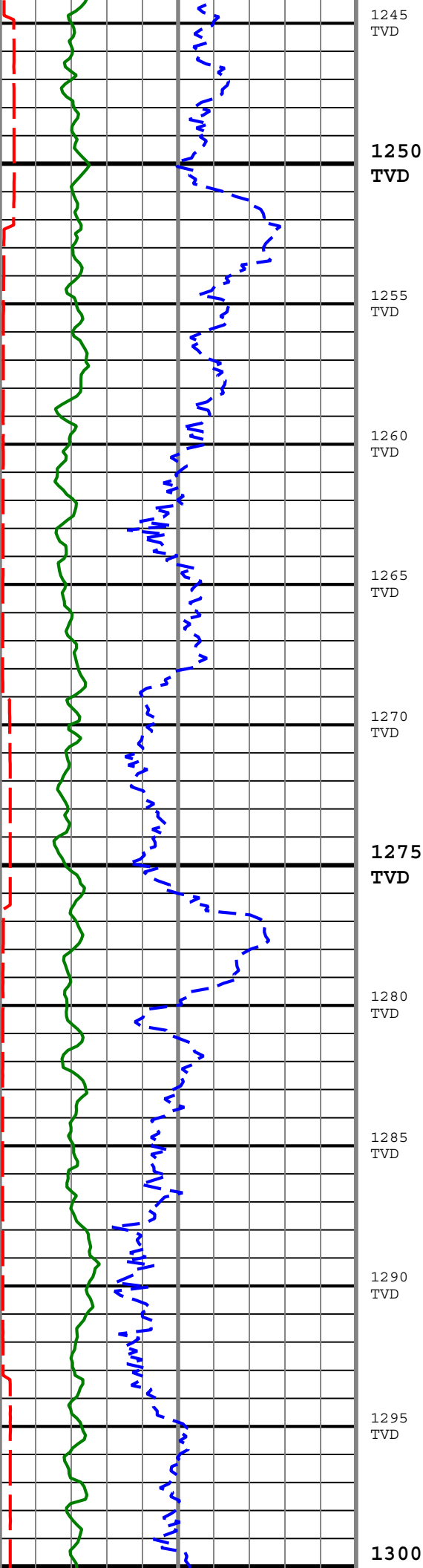




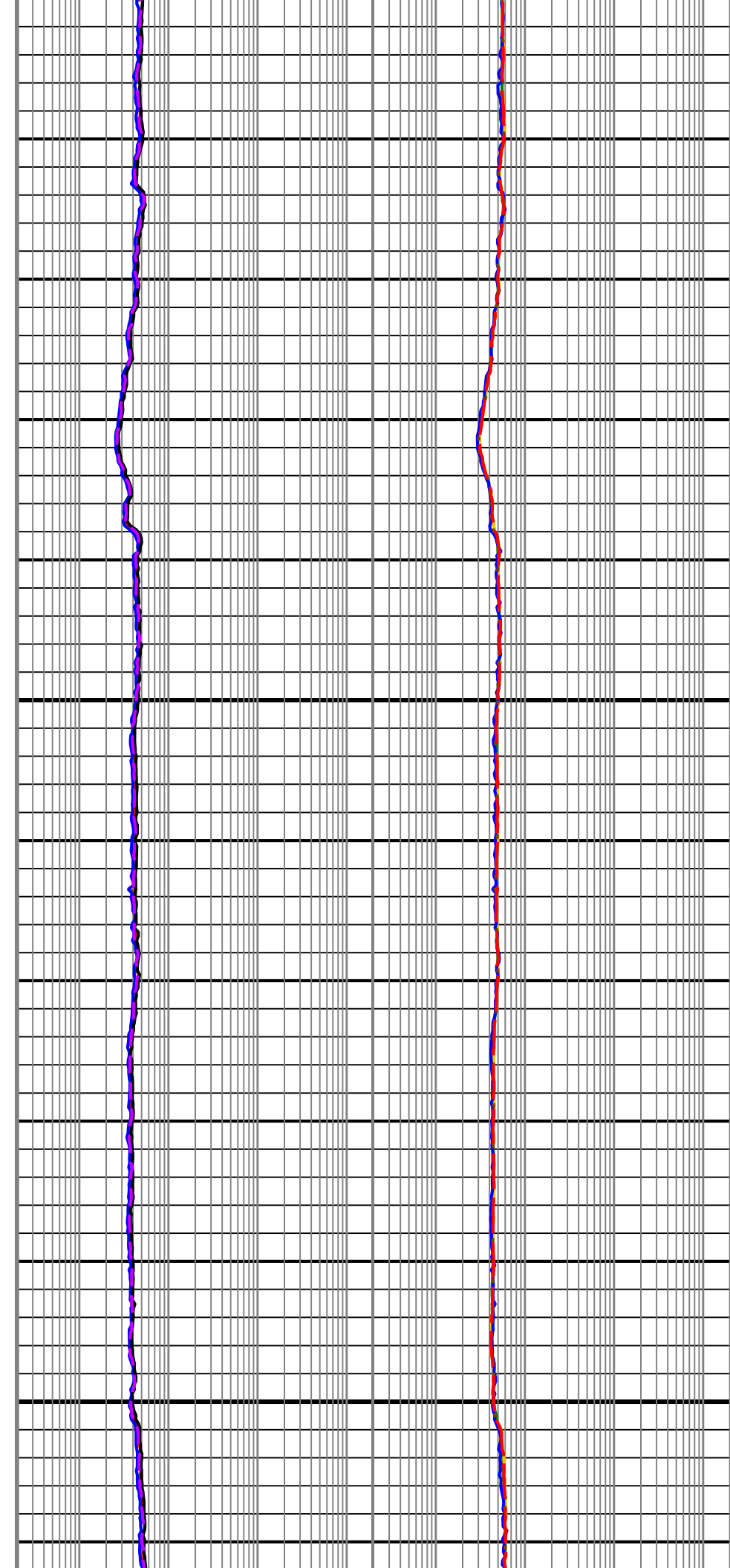
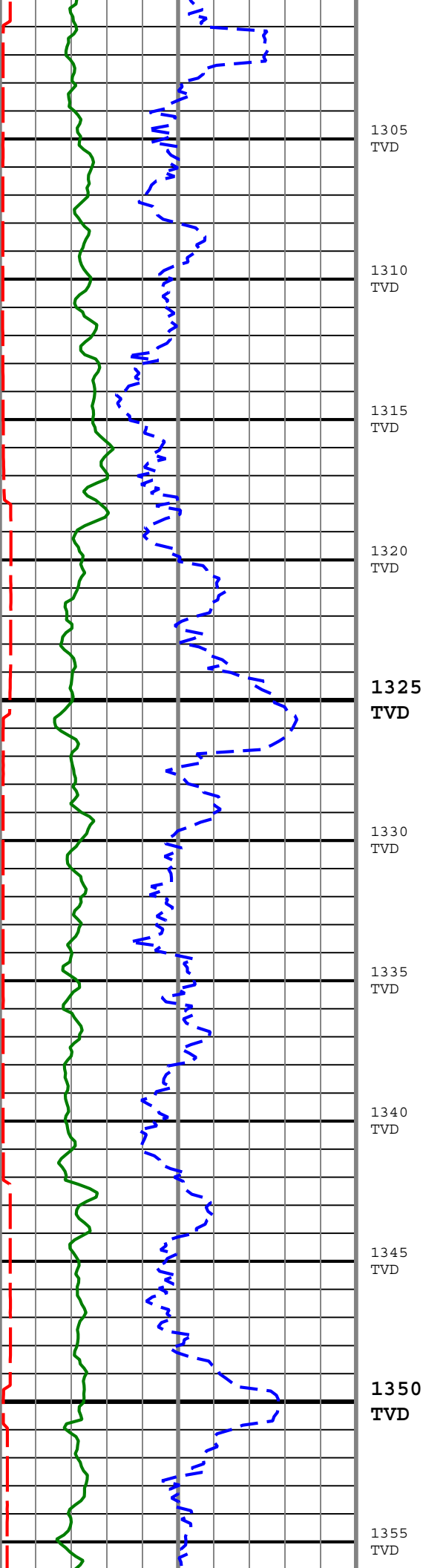


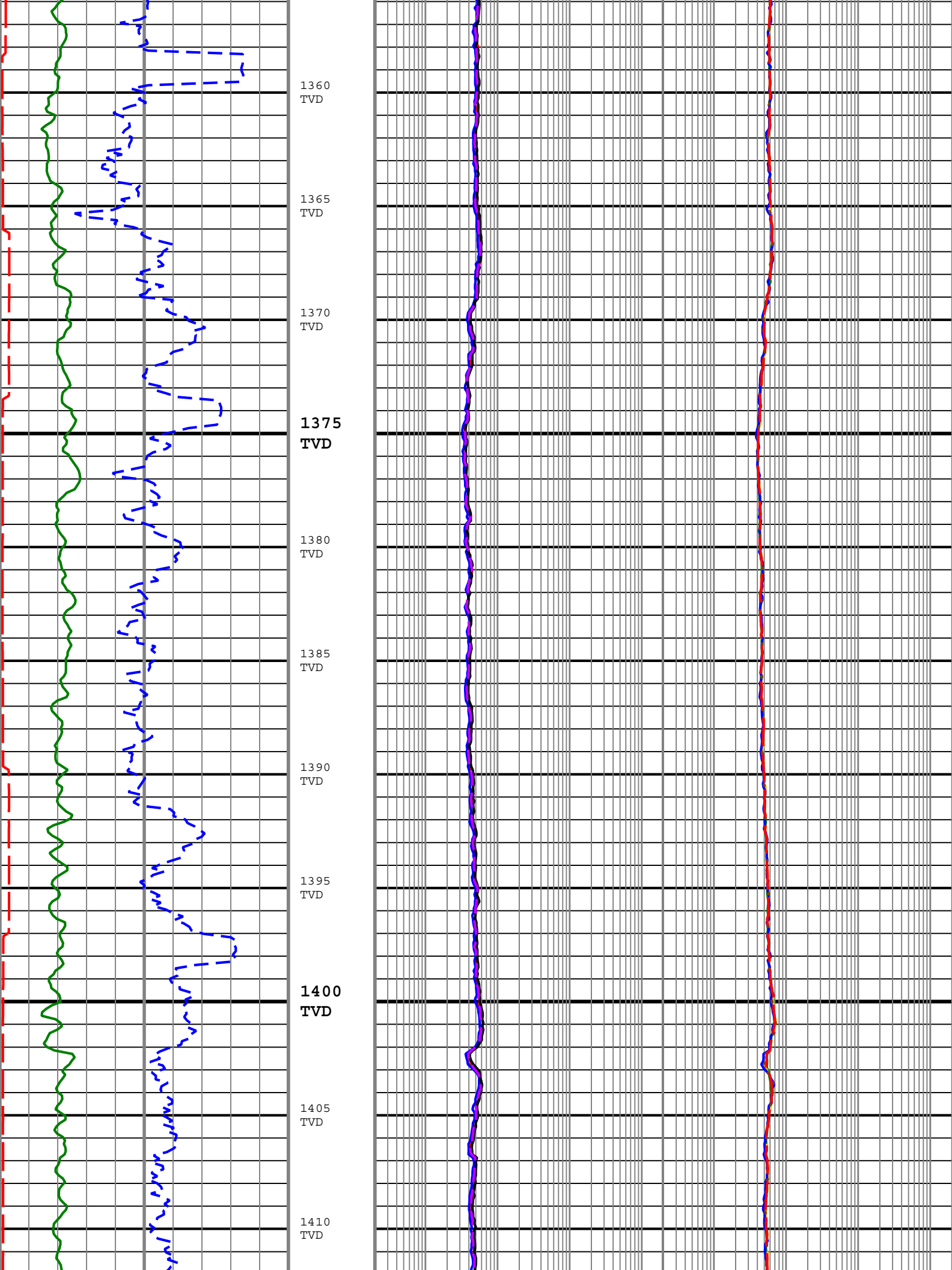


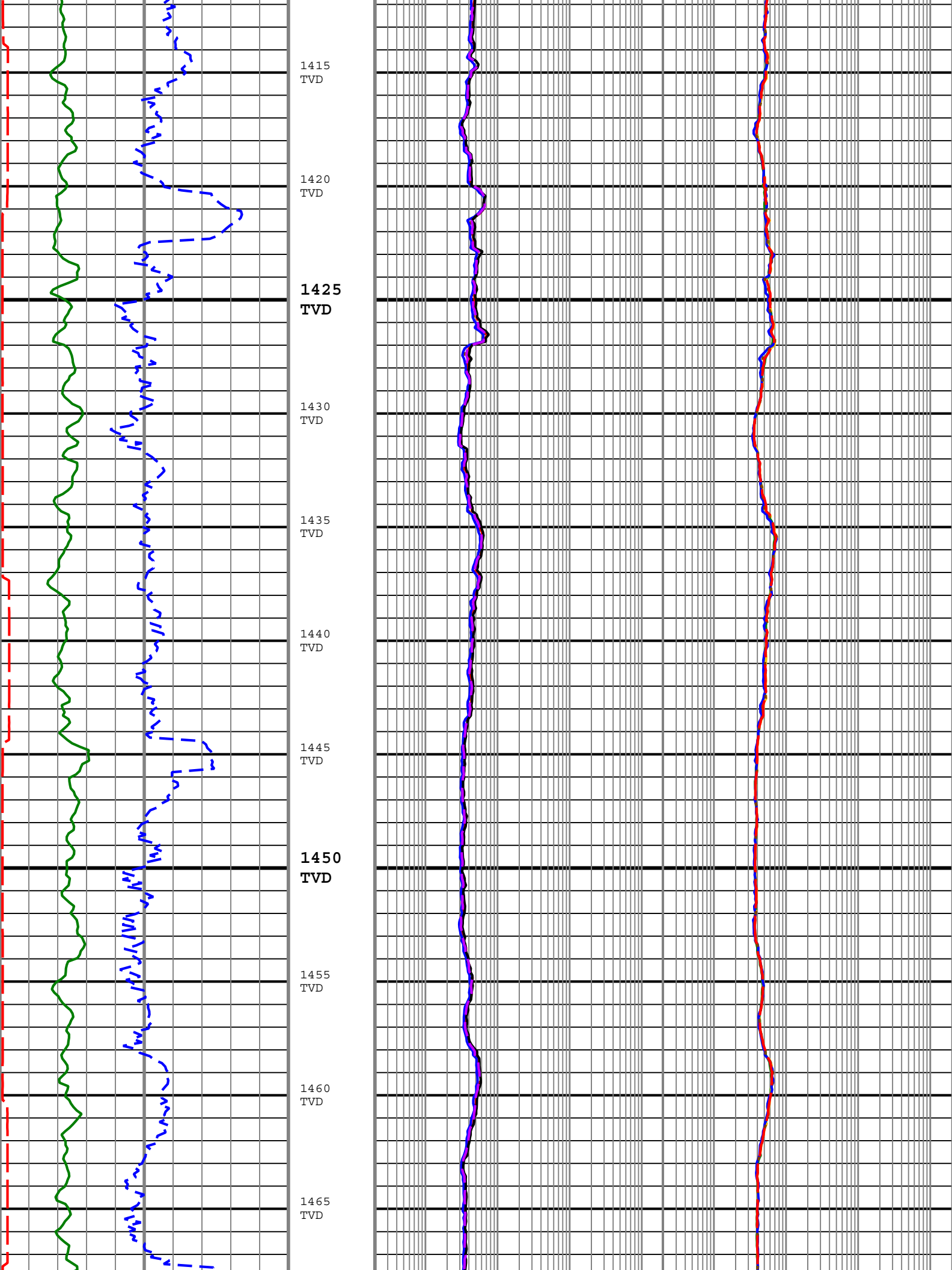


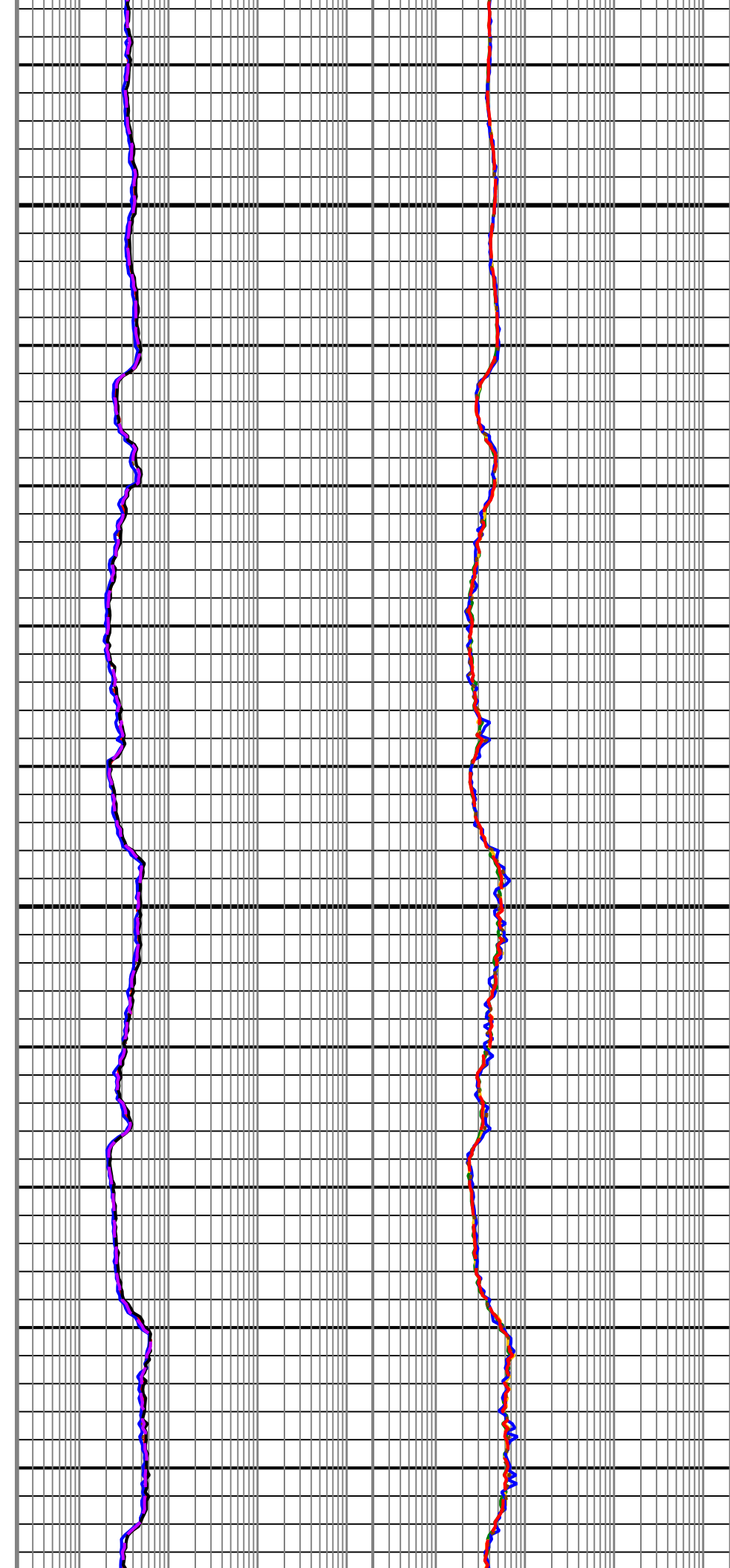
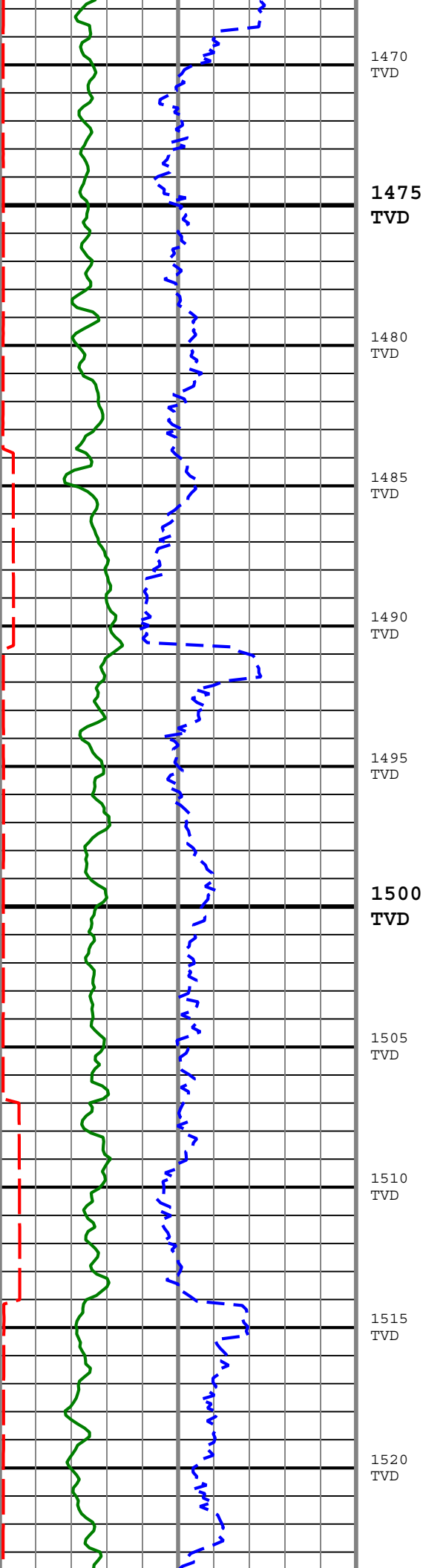


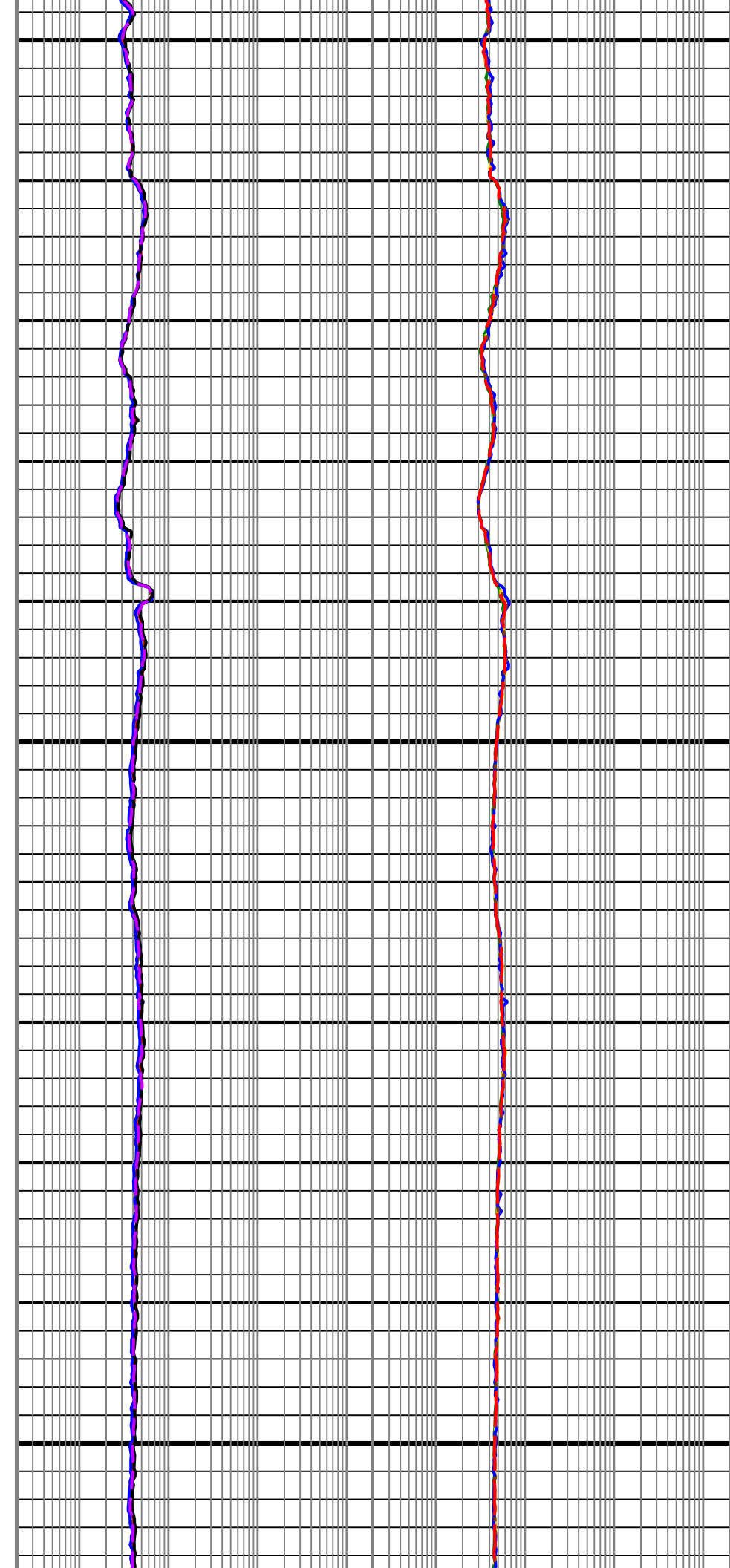
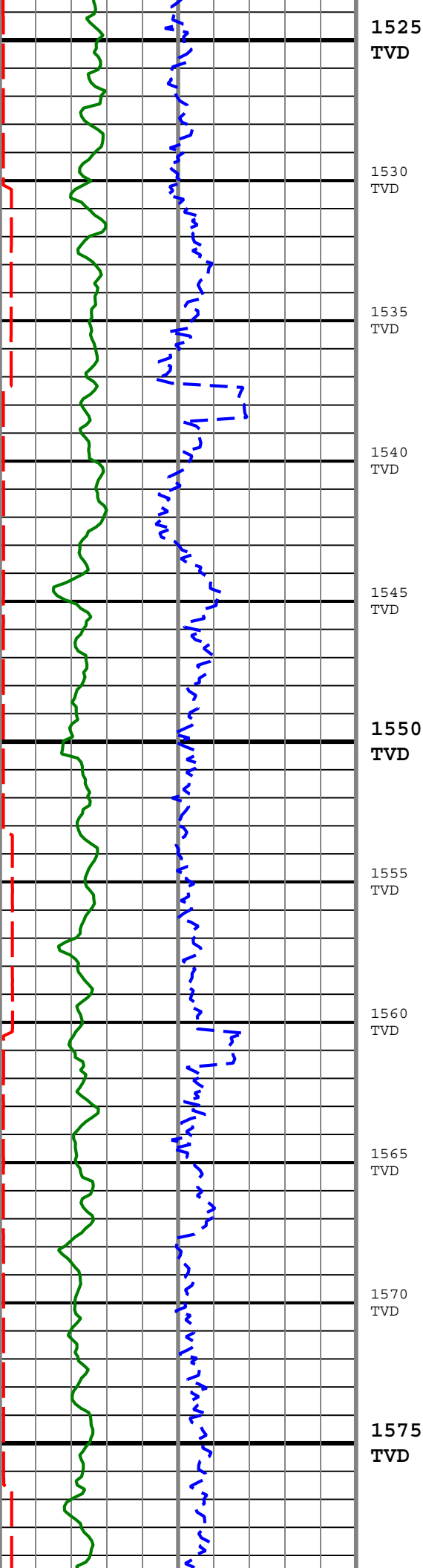


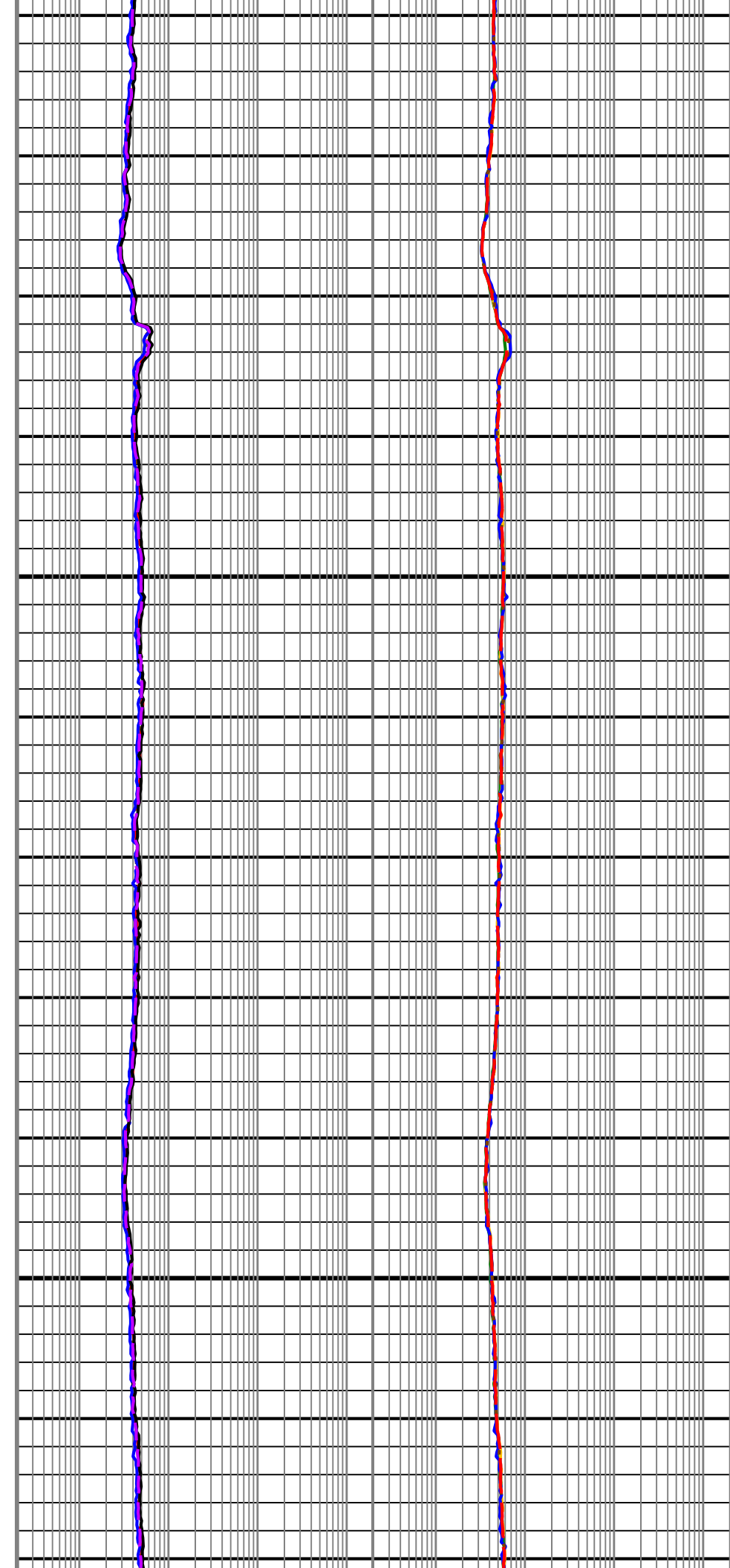
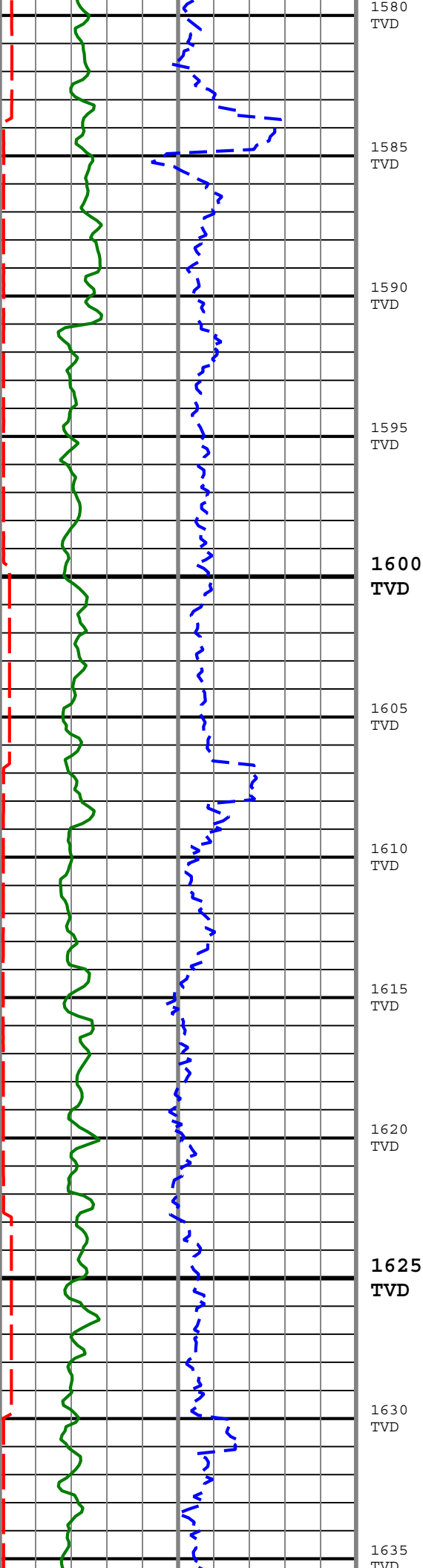


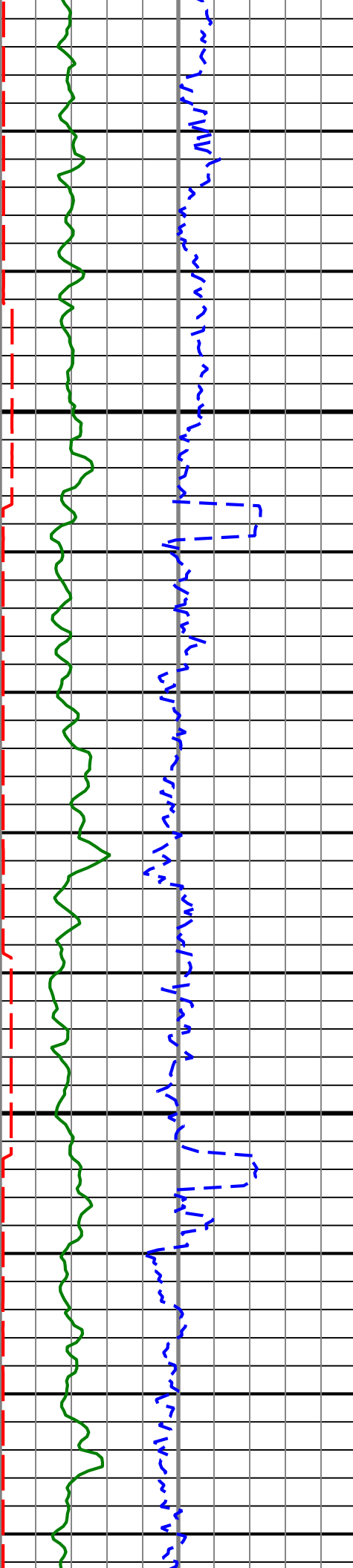












1640  
TVD

1645  
TVD

**1650  
TVD**

1655  
TVD

1660  
TVD

1665  
TVD

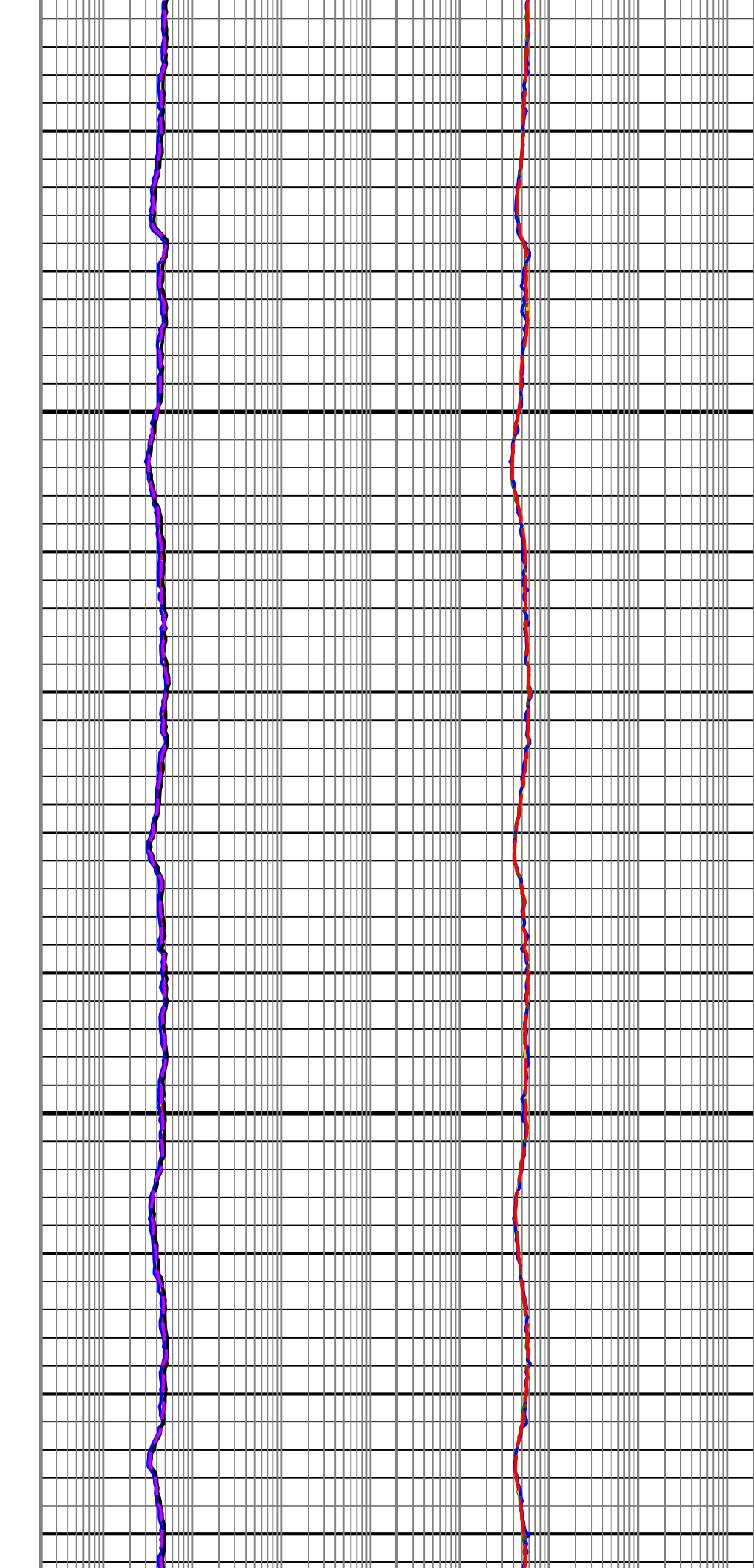
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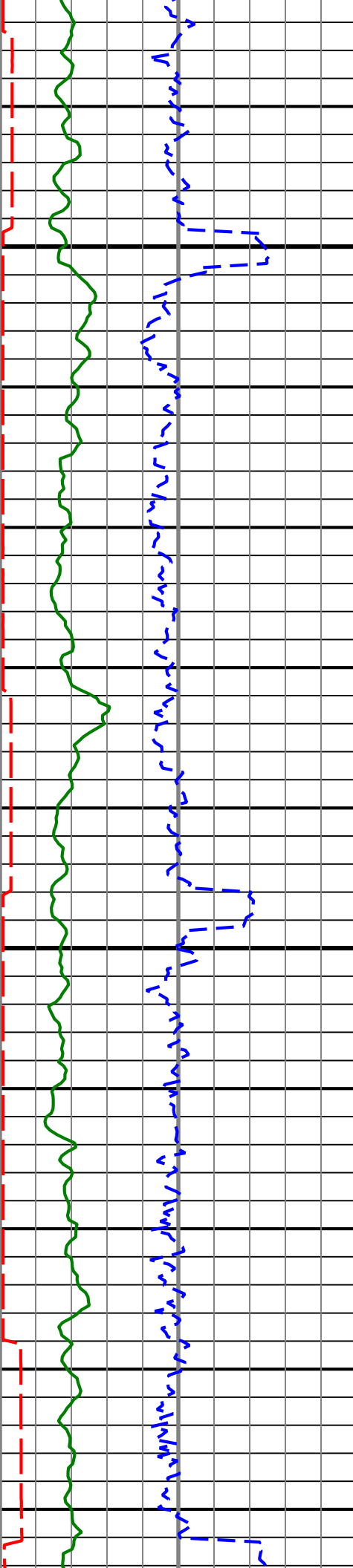
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TVD**

1680  
TVD

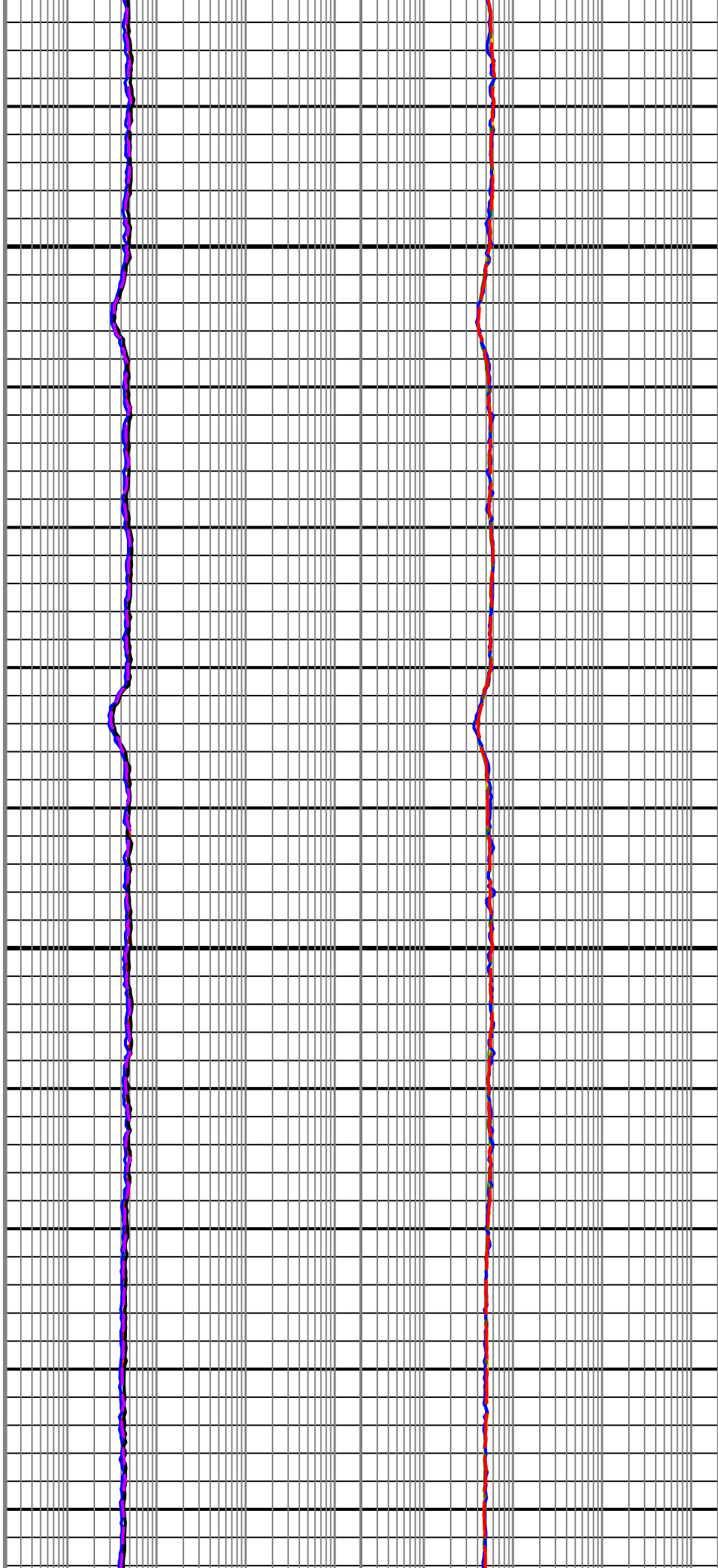
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TVD

1690  
TVD

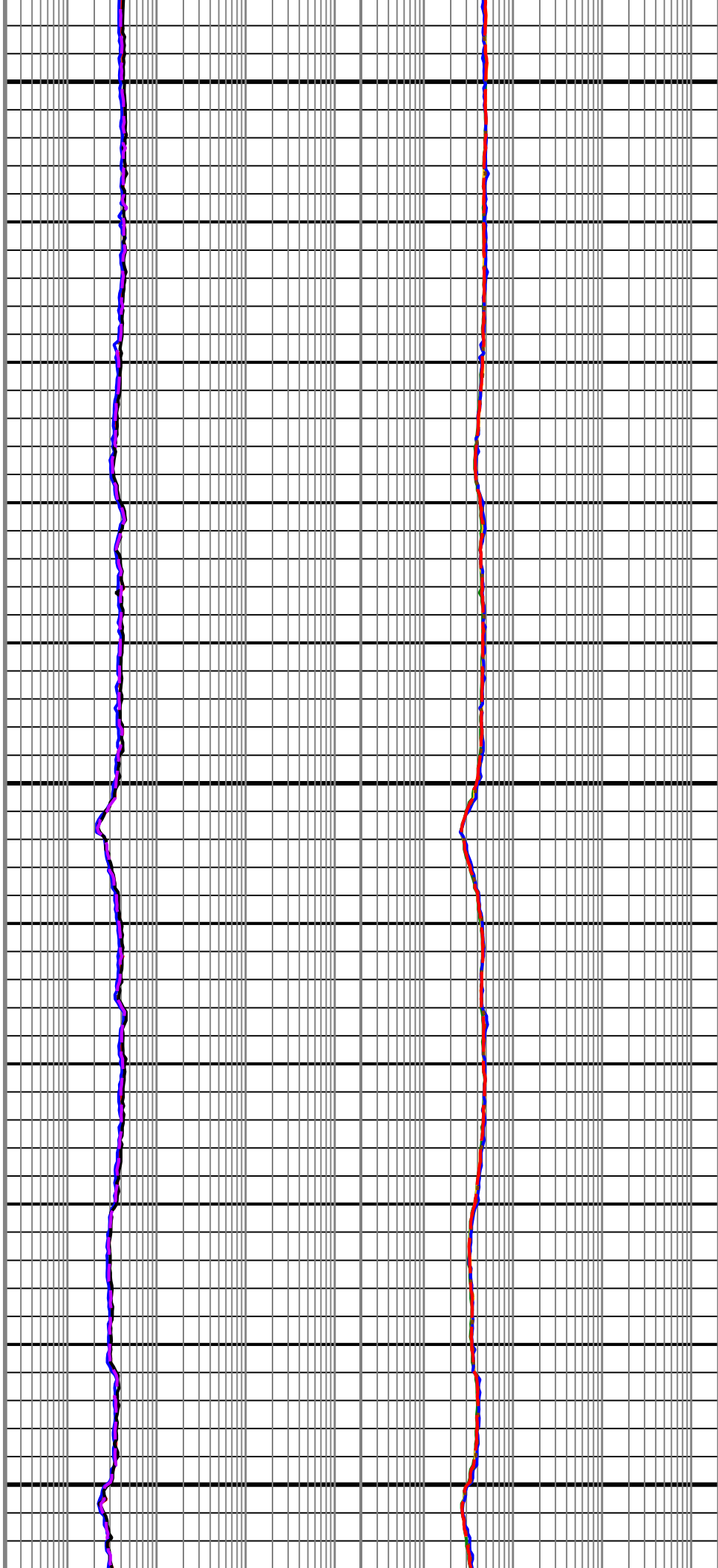
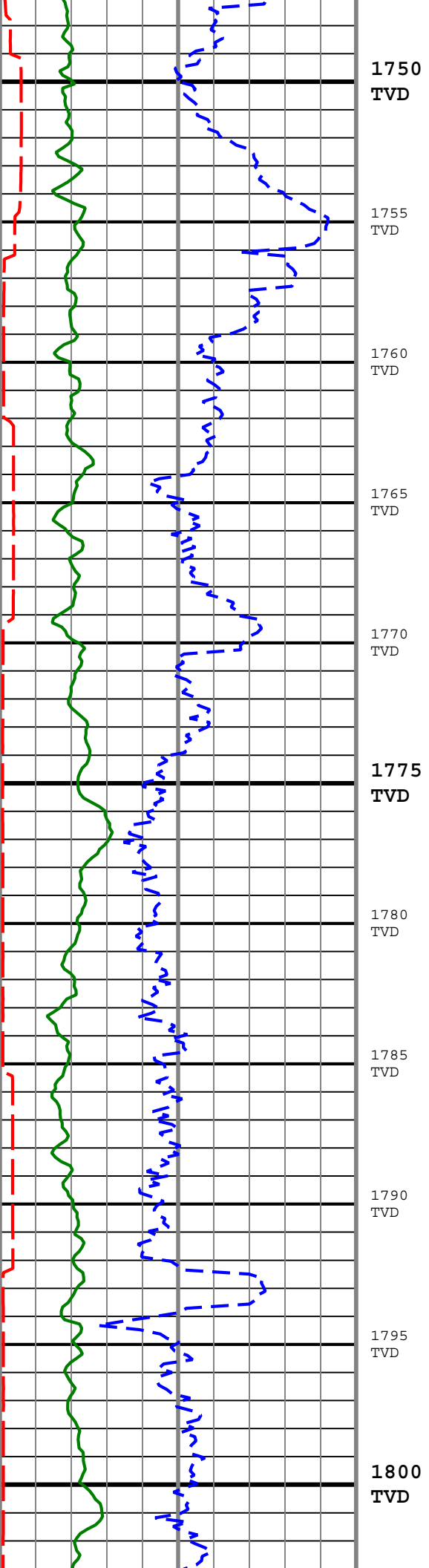


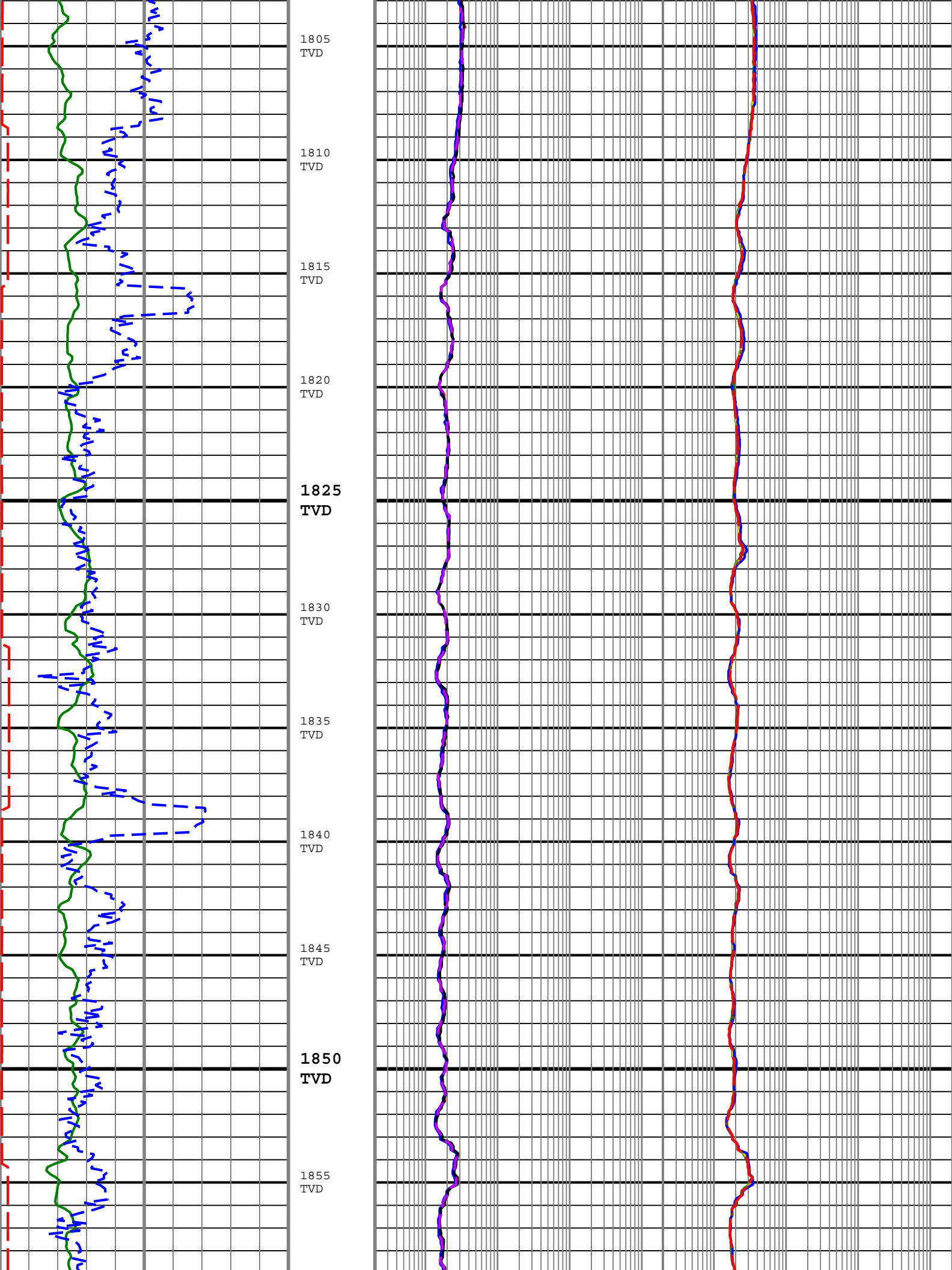


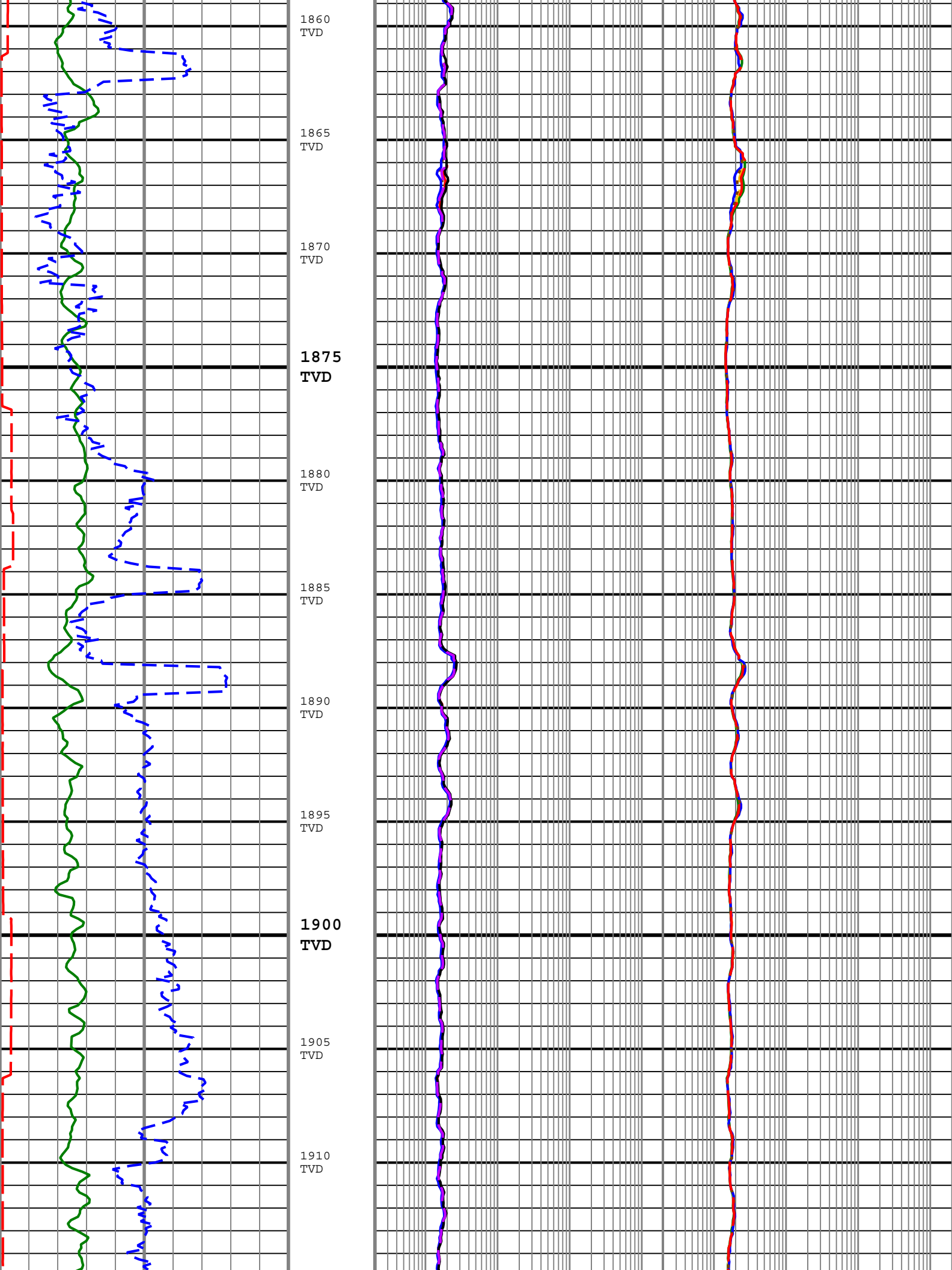
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1700 TVD  
1705 TVD  
1710 TVD  
1715 TVD  
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1725 TVD  
1730 TVD  
1735 TVD  
1740 TVD  
1745 TVD

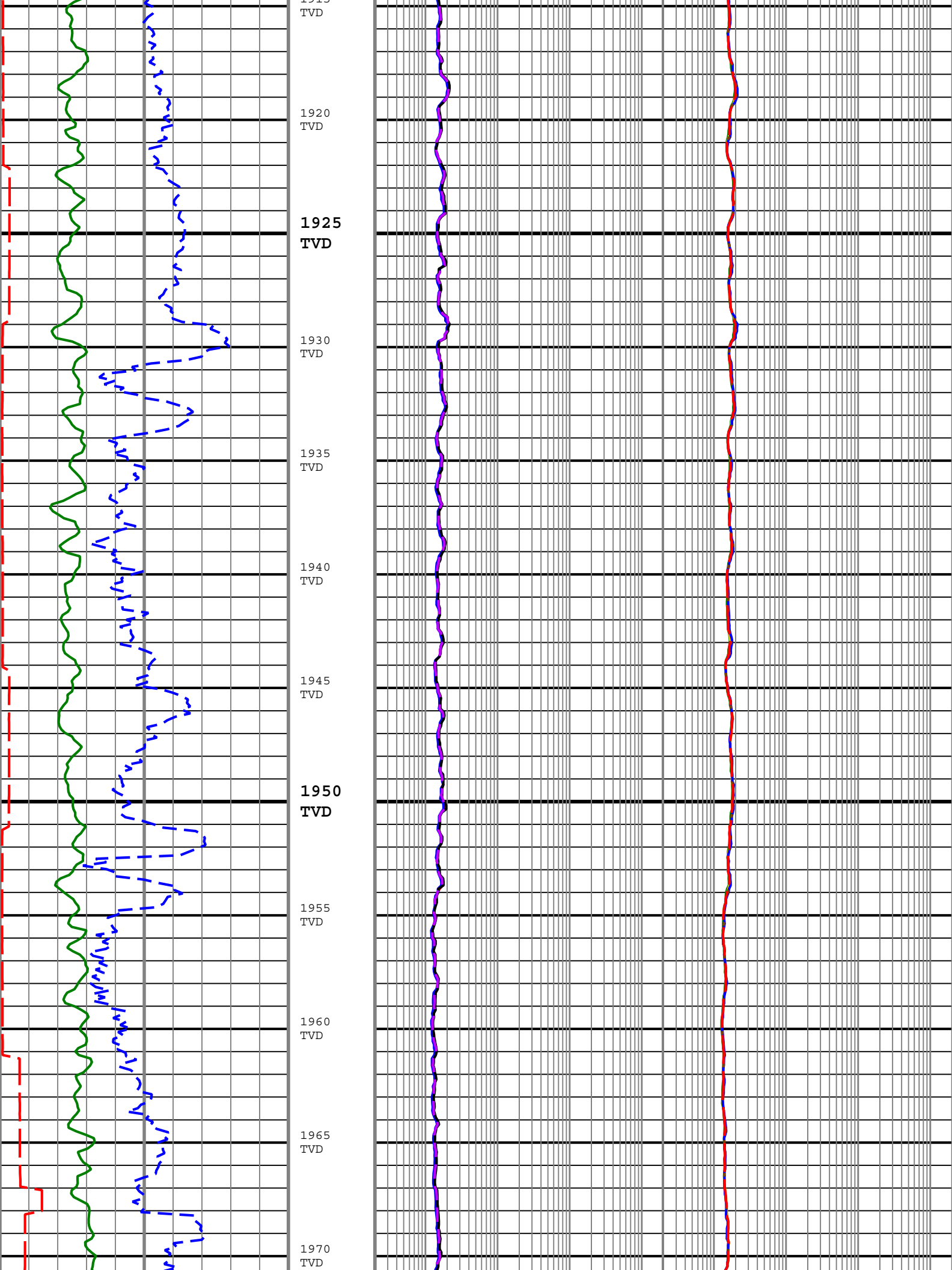


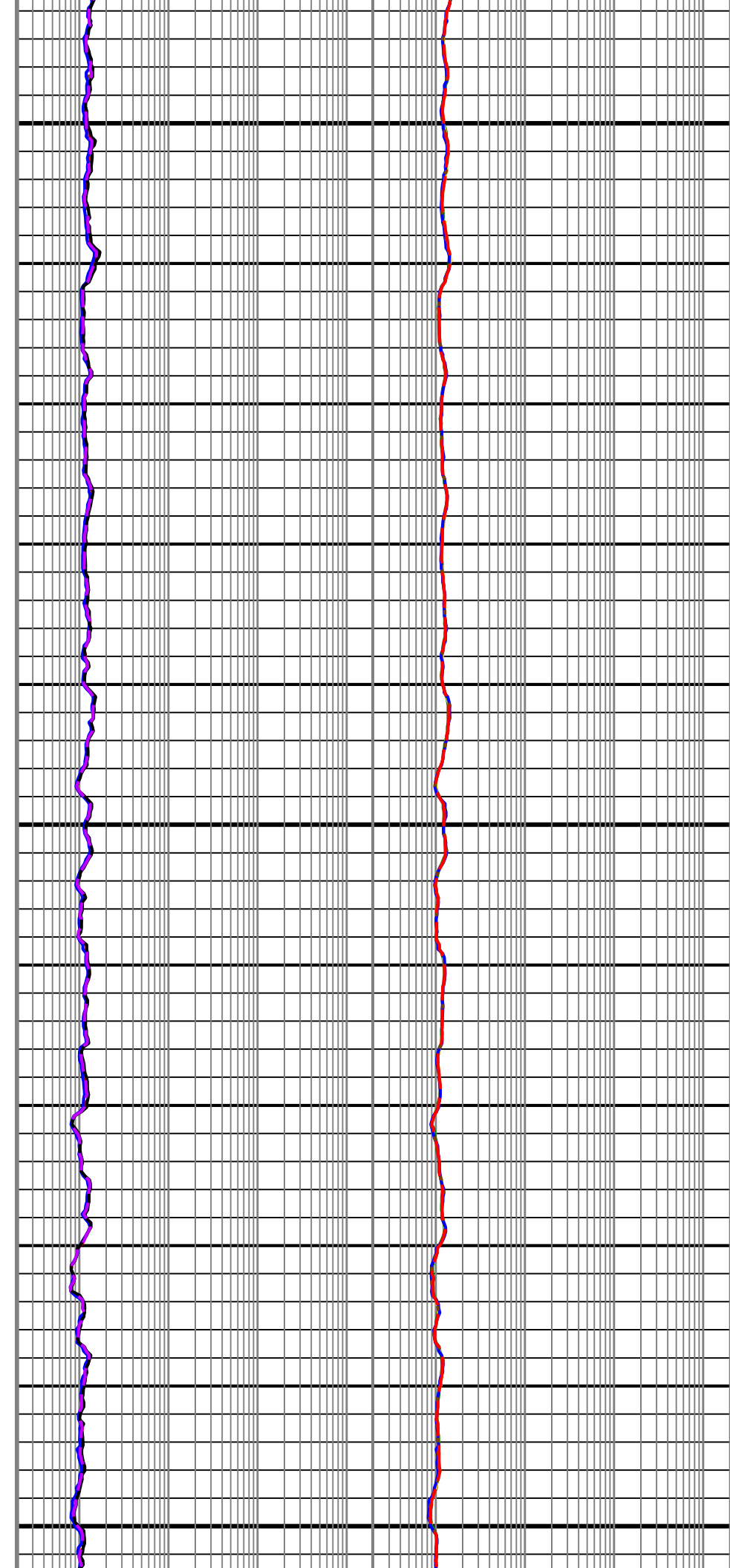
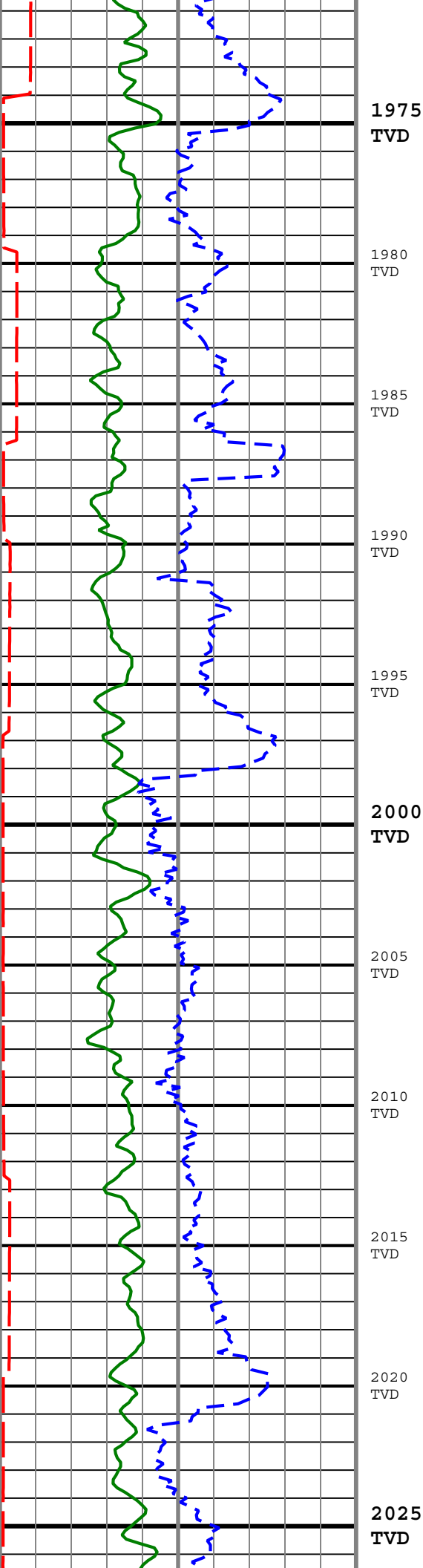


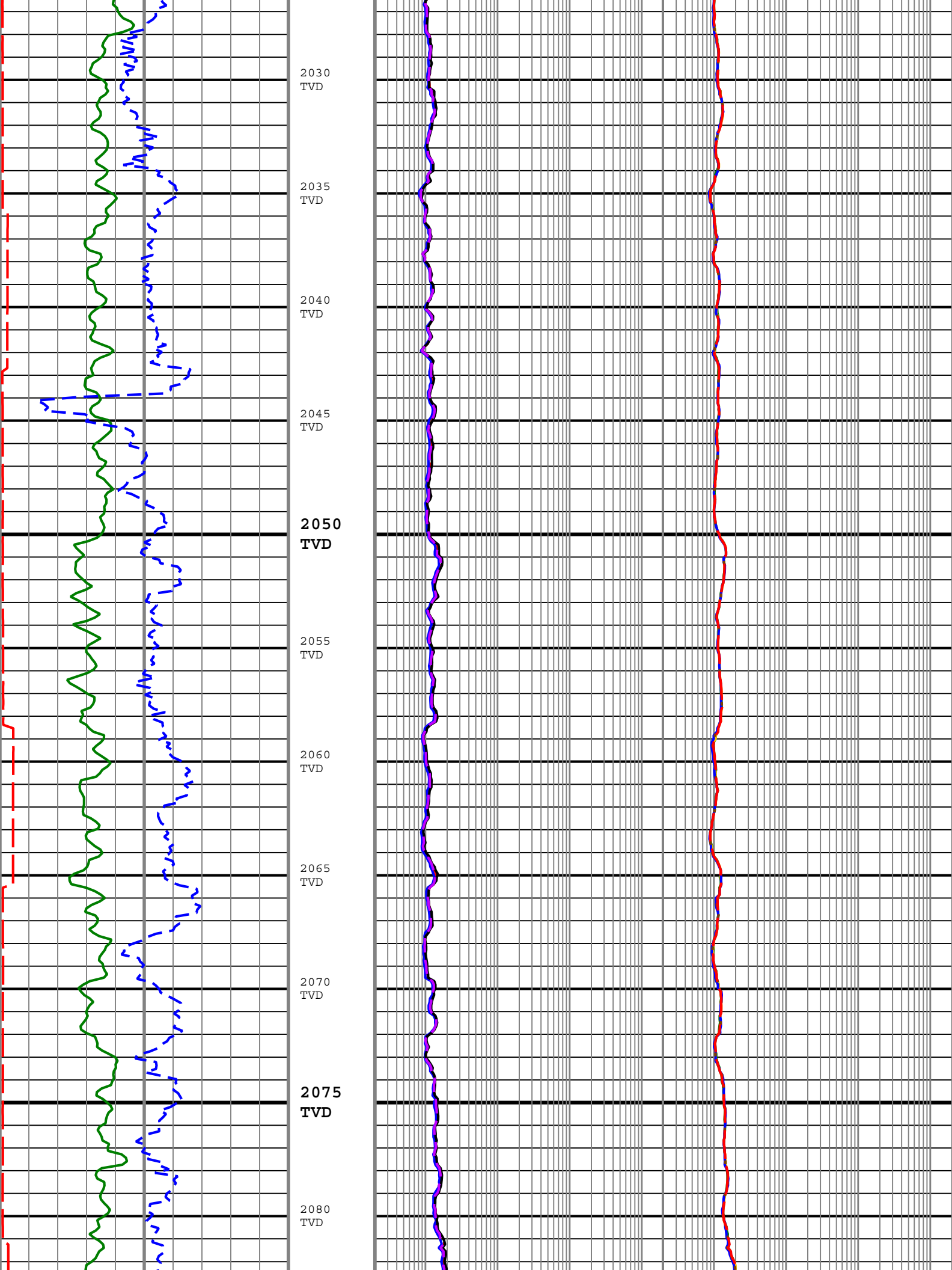


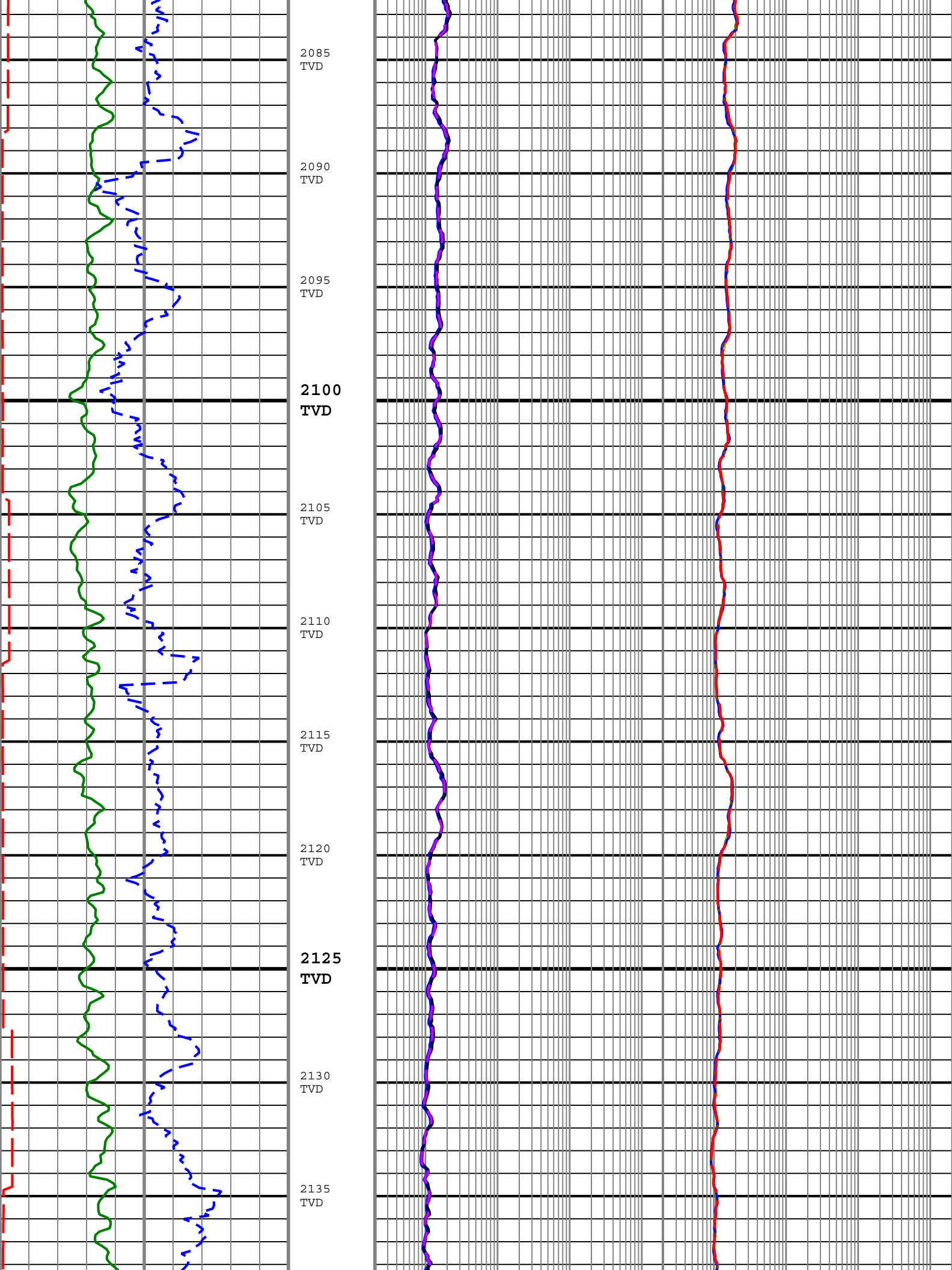


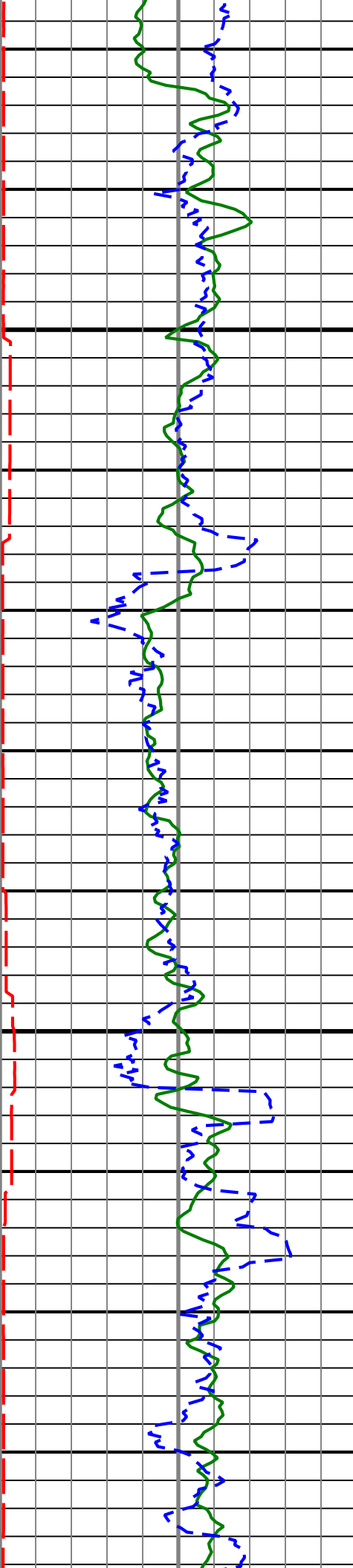












2140  
TVD

2145  
TVD

2150  
TVD

2155  
TVD

2160  
TVD

2165  
TVD

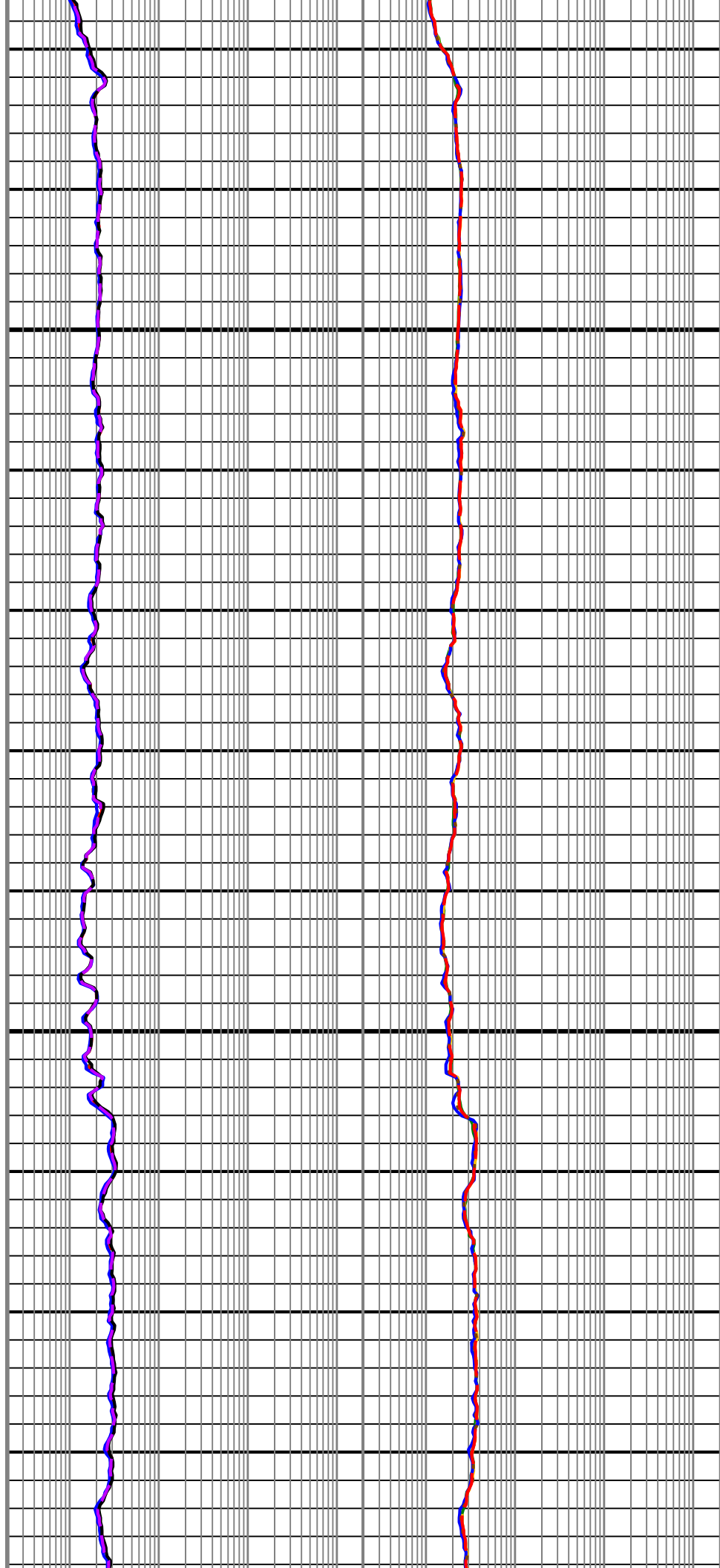
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2175  
TVD

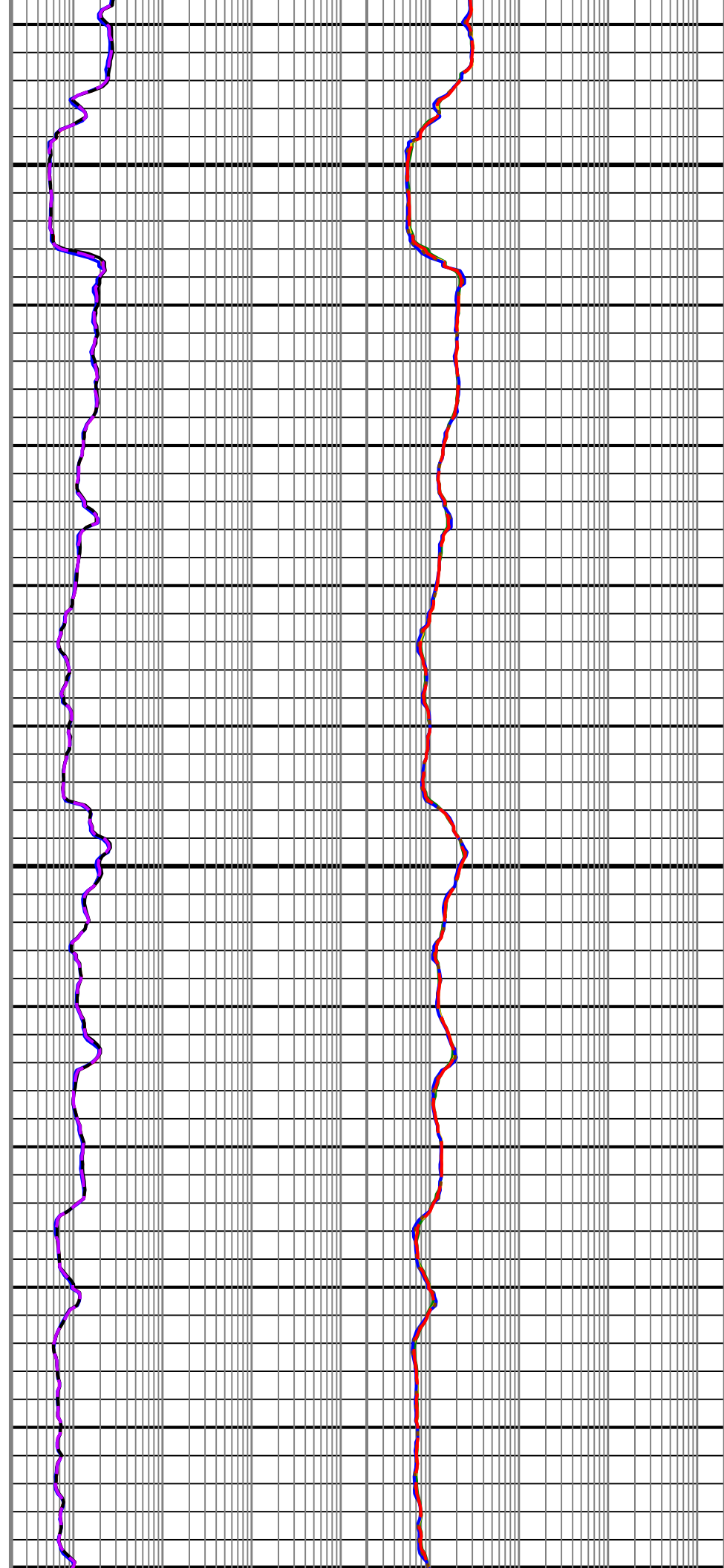
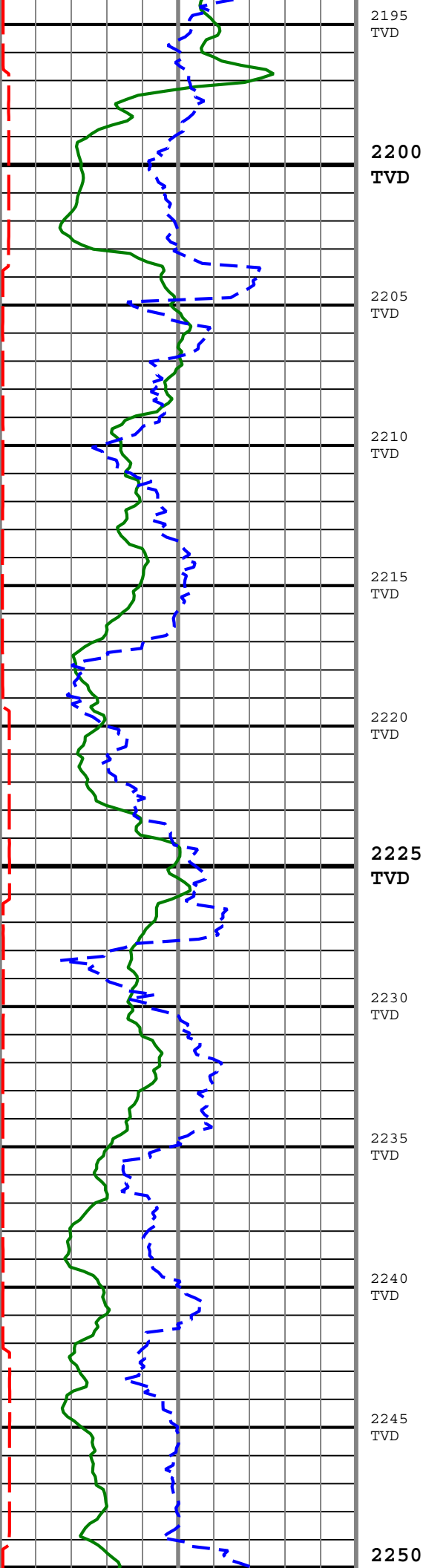
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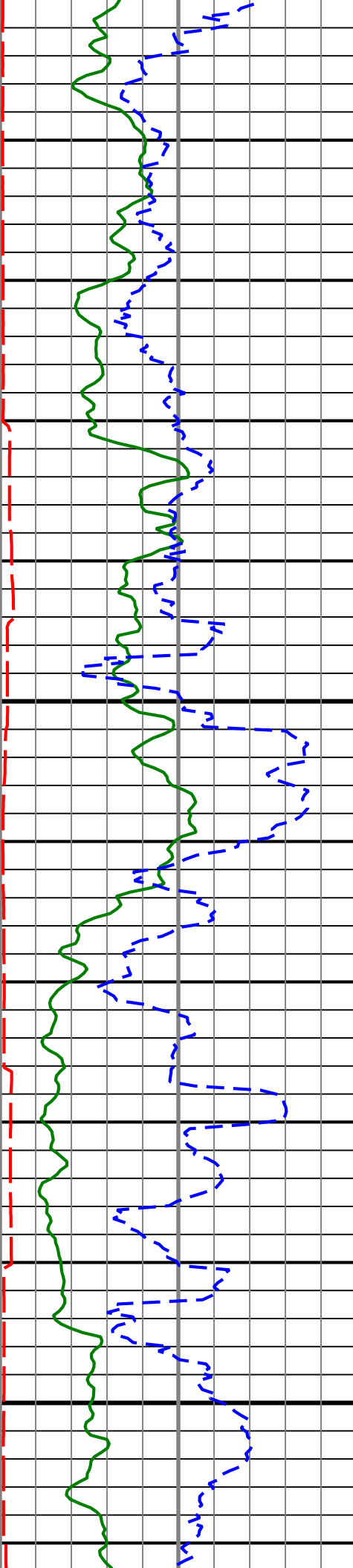
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TVD

2190  
TVD









2255  
TVD

2260  
TVD

2265  
TVD

2270  
TVD

2275  
TVD

2280  
TVD

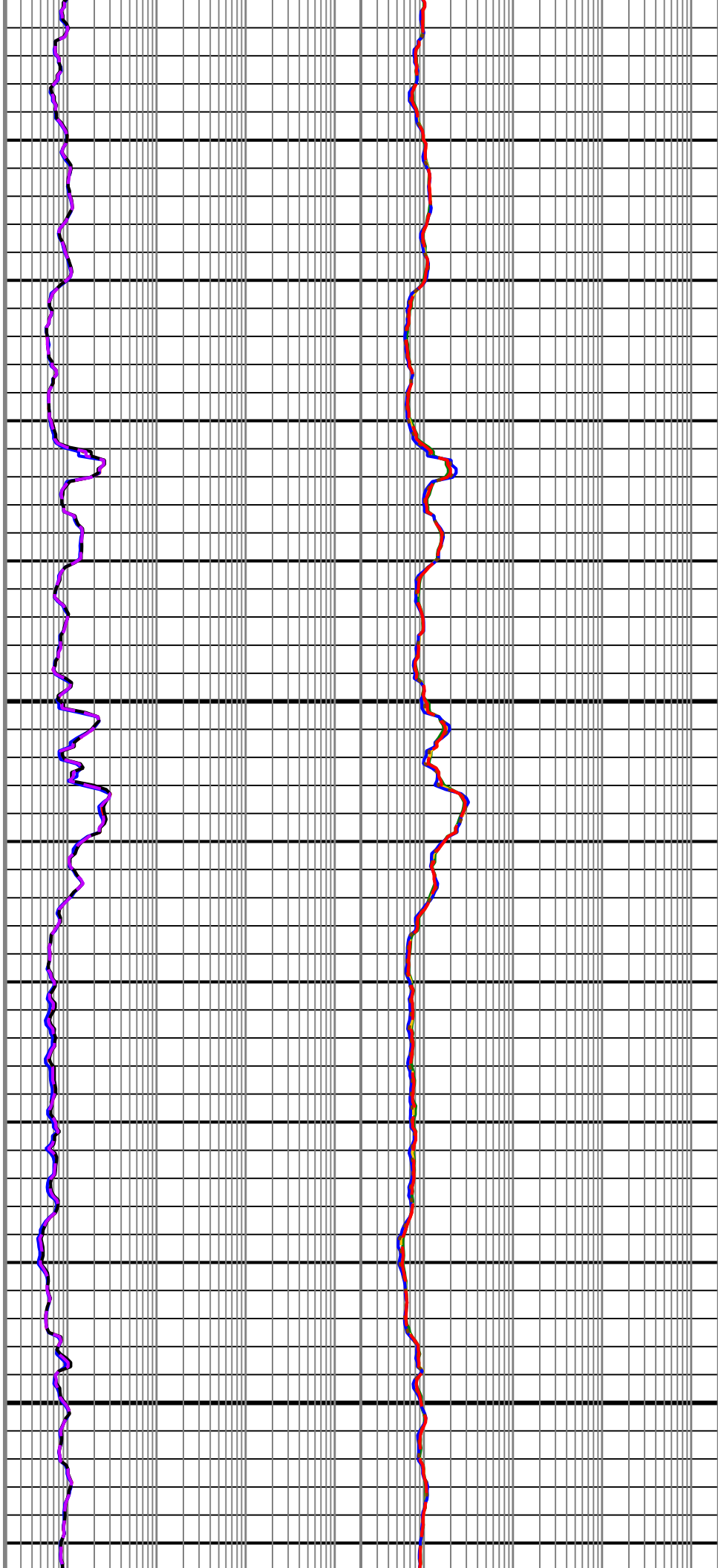
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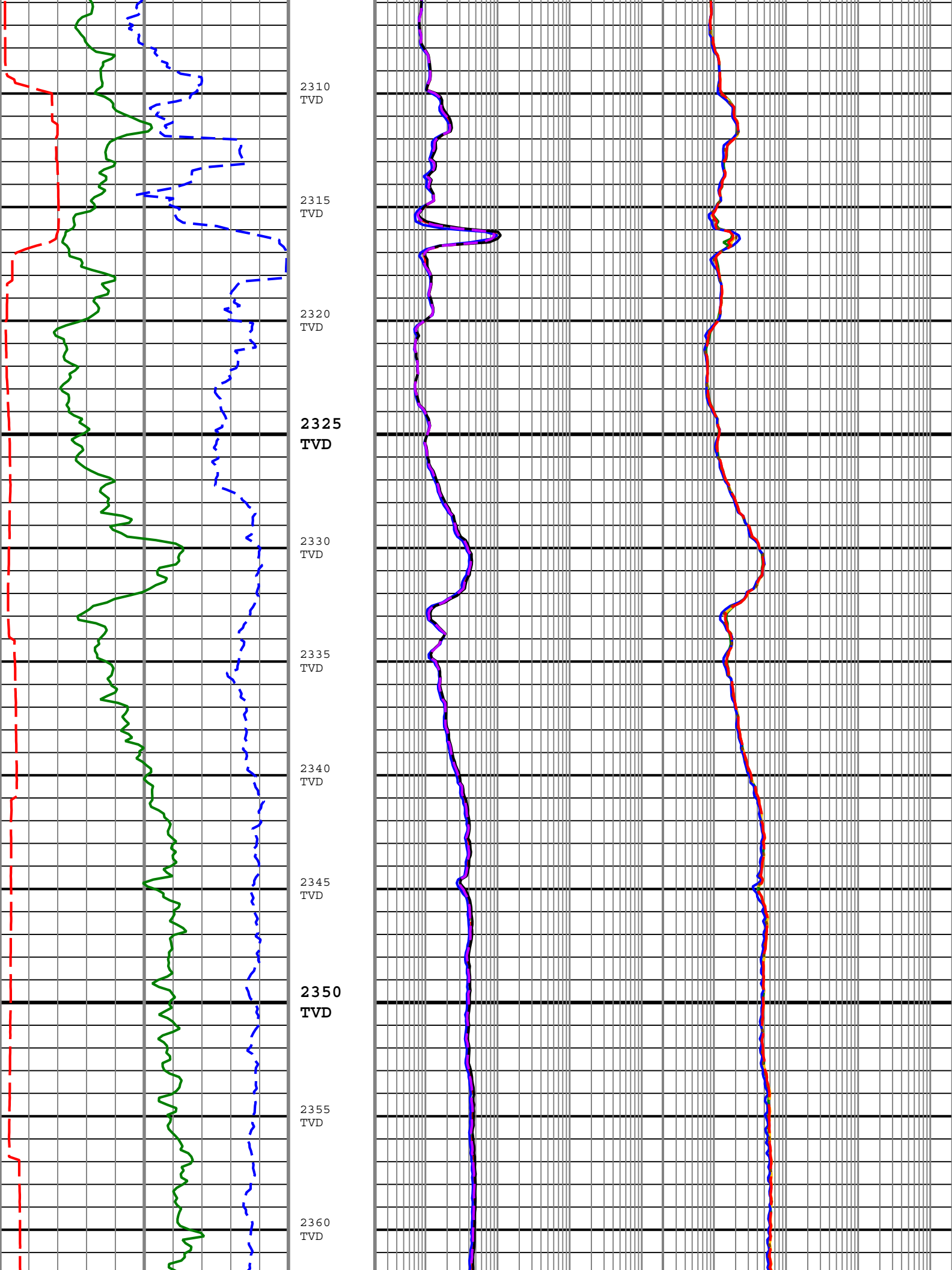
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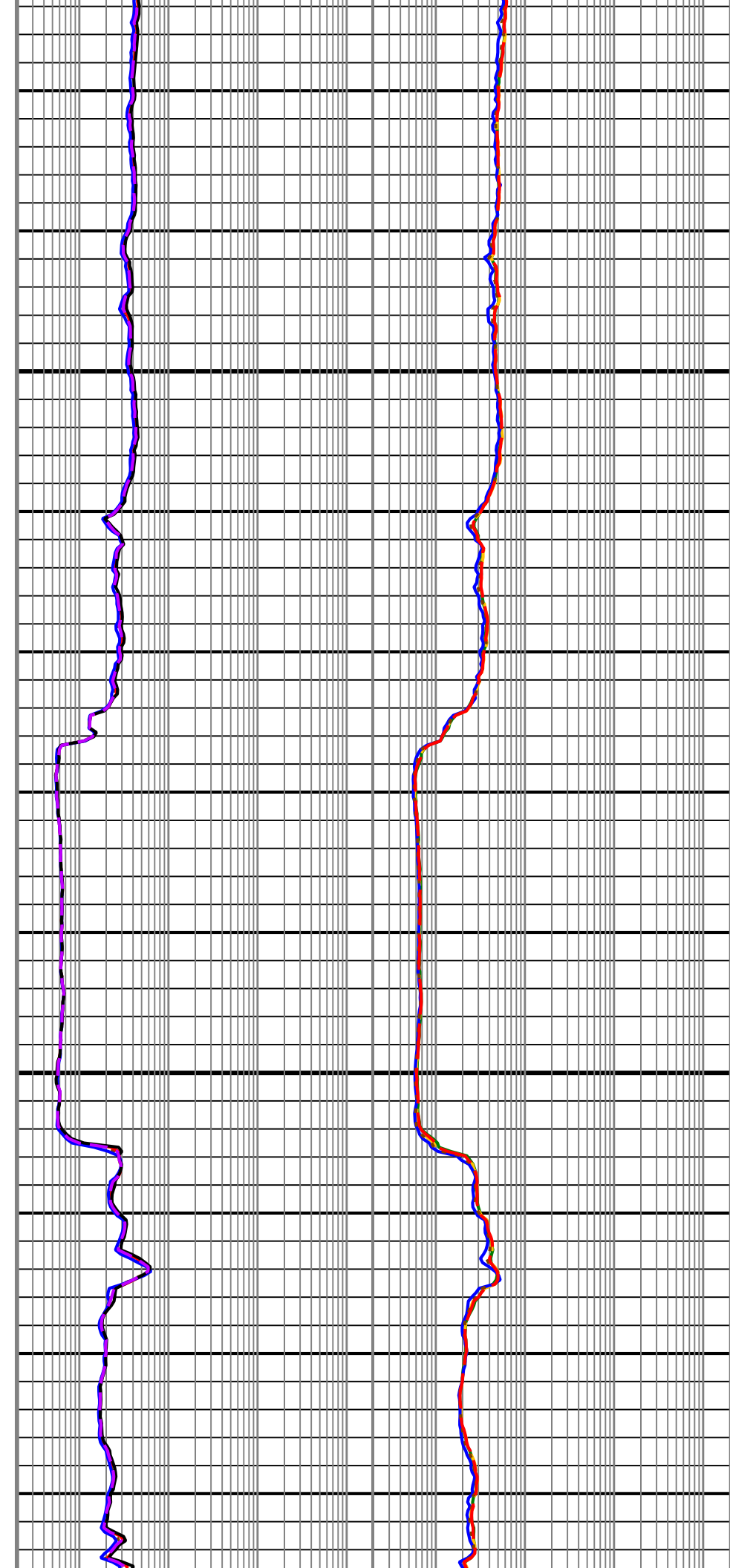
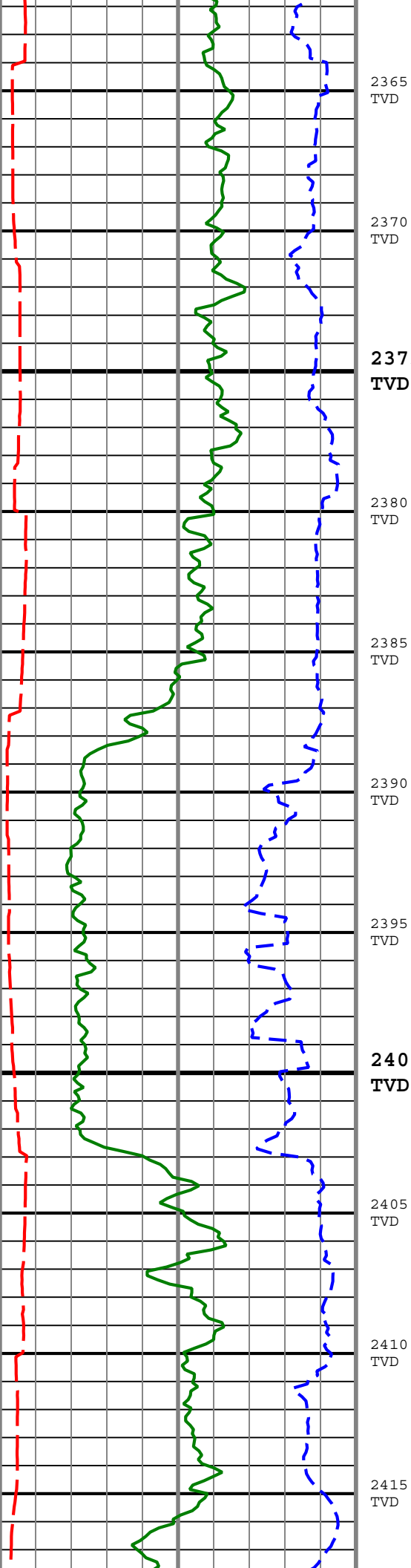
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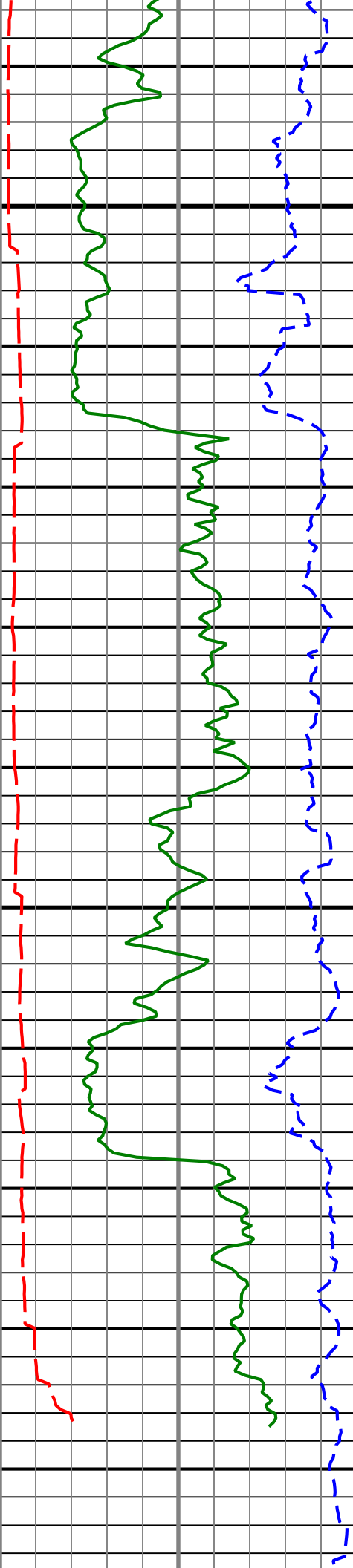
2300  
TVD

2305  
TVD









2420  
TVD

2425  
TVD

2430  
TVD

2435  
TVD

2440  
TVD

2445  
TVD

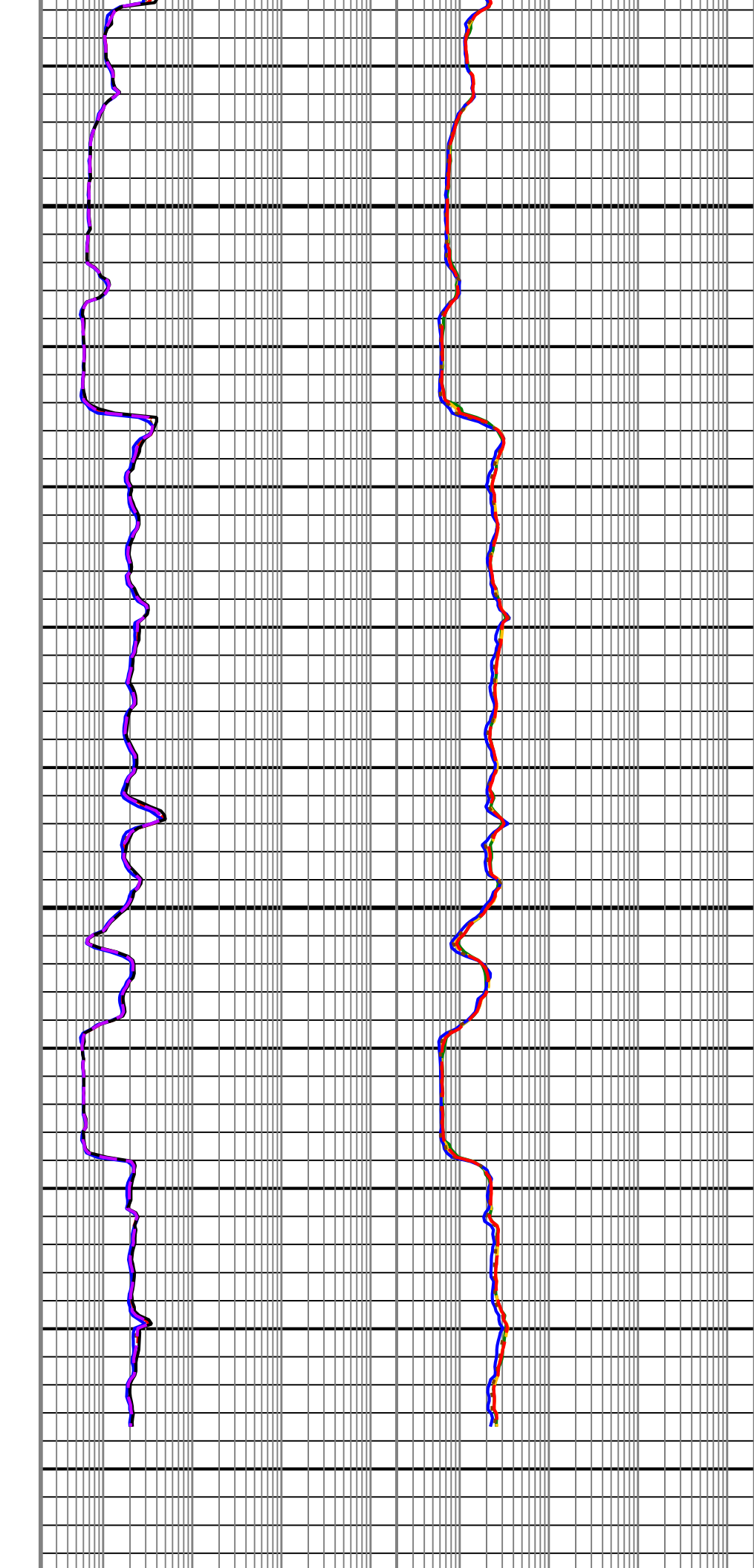
2450  
TVD

2455  
TVD

2460  
TVD

2465  
TVD

2470  
TVD



2475  
TVD

Gamma Ray (GR)		
0	gAPI	200
Resistivity Time After Bit (TAB_RES)		
0	h	10
Rate of penetration averaged over the last 5 ft (1.5 m) (ROP5)		
200	m/h	0

Phase Shift Resistivity 22 inch Spacing at 2 MHz, Environmentally Corrected. (P22H)		
0.2	ohm.m	2000
Phase Shift Resistivity 34 inch Spacing at 2 MHz, Environmentally Corrected. (P34H)		
0.2	ohm.m	2000
Phase Shift Resistivity 16 inch Spacing at 2 MHz, Environmentally Corrected. (P16H)		
0.2	ohm.m	2000
Phase Shift Resistivity 40 inch Spacing at 2 MHz, Environmentally Corrected. (P40H)		
0.2	ohm.m	2000
Phase Shift Resistivity 28 inch Spacing at 2 MHz, Environmentally Corrected. (P28H)		
0.2	ohm.m	2000

Attenuation Resistivity 40 inch Spacing at 2 MHz, Environmentally Corrected. (A40H)		
0.2	ohm.m	2000
Attenuation Resistivity 28 inch Spacing at 2 MHz, Environmentally Corrected (A28H)		
0.2	ohm.m	2000
Attenuation Resistivity 16 inch Spacing at 2 MHz, Environmentally Corrected (A16H)		
0.2	ohm.m	2000
Attenuation Resistivity 22 inch Spacing at 2 MHz, Environmentally Corrected (A22H)		
0.2	ohm.m	2000
Attenuation Resistivity 34 inch Spacing at 2 MHz, Environmentally Corrected (A34H)		
0.2	ohm.m	2000

Description: ARC Dual Frequency 3-Log Resistivity Format: Log ( ARC RM ) Index Scale: 1:200 Index Unit: m Index Type: TVD Creation Date: 29-Jul-2009 13:04:07

## Channel Processing Parameters

Parameter	Description	ToolPath	Value	Unit
BHK	Drilling Fluid Potassium Concentration	Borehole	4.94	%
BHT	Bottom Hole Temperature	Borehole	39	degC
BS	Bit Size	COMPLETION	Depth Zoned	in
DFD	Drilling Fluid Density	Borehole	Time Zoned	g/cm3
DFT	Drilling Fluid Type	Borehole	Water	
GGRD	Geothermal Gradient	Borehole	18.23	degC/km
GRSE	Generalized Mud Resistivity Selection	Borehole	Computed (GEN-9)	
GTSE	Generalized Temperature Selection	Borehole	Gradient From Surface	
MST	Mud Sample Temperature	Borehole	Time Zoned	degC
RMS	Resistivity of Mud Sample	Borehole	Time Zoned	ohm.m
SHT	Surface Hole Temperature	Borehole	20	degC
TD	Total Measured Depth	Borehole	3000	m
TEMP_SEL_ARC	ARC Temperature Selection	ARC8:ARC8:ARDC	Annular	

## Depth Zone Parameters

Parameter	Value	Start ( m )	Stop ( m )
BS	16	975	981.21
BS	12.25	981.21	2475.56

All depth are actual.

## Time Zone Parameters

Parameter	Value	Start Time	Stop Time	Start Depth ( m )	Stop Depth ( m )
DFD	1.09	26-Jul-2009 15:32:43	28-Jul-2009 07:03:02	1027.73	2201.76
DFD	1.14	28-Jul-2009 07:03:02	29-Jul-2009 10:30:01	2201.76	2918.79
MST	20	26-Jul-2009 15:32:43	28-Jul-2009 02:09:39	1027.73	1995.16
MST	21	28-Jul-2009 02:09:39	29-Jul-2009 10:30:01	1995.16	2918.79
RMS	0.074	26-Jul-2009 15:32:43	28-Jul-2009 02:09:39	1027.73	1995.16
RMS	0.099	28-Jul-2009 02:09:39	29-Jul-2009 10:30:01	1995.16	2918.79

RMS	0.099	28-Jul-2009 02:09:39	29-Jul-2009 10:30:01	1995.16	2918.79
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All depth are at tool zero.

## Tool Control Parameters

Parameter	Description	ToolPath	Value	Unit
OFFBTM_TH	Threshold for deciding whether the bit is off bottom	DnMWorkflow	Time Zoned	m

## Time Zone Parameters

Parameter	Value	Start Time	Stop Time	Start Depth ( m )	Stop Depth ( m )
OFFBTM_TH	0.5	26-Jul-2009 15:32:43	27-Jul-2009 01:39:30	1027.73	1029.08
OFFBTM_TH	0.55	27-Jul-2009 01:39:30	29-Jul-2009 10:30:01	1029.08	2918.79

All depth are at tool zero.

**Company:** ROC Oil

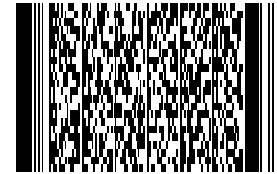
**Well:** Basker 7

**Field:** Gippsland Basin

**Rig Name:** Ocean Patriot

**State:** Victoria

**Country:** AUSTRALIA



**Schlumberger**

VISION Resistivity  
 1:200 True Vertical Depth  
 Recorded Mode Data