

Company: **Woodside Energy Limited**

Well: **Thylacine-2**

Field: Permit T/30P

Rig: **Ocean Bounty** State: **Tasmania**

	<div>CDR – Resistivity</div> <div>1:500 Measured Depth</div> <div>Recorded Mode</div>							
	Schlumberger							
Ocean Bounty Permit T/30P Otway Basin Thylacine–2  Woodside Energy Limited								
	Location		Total depth: Spud date:	2109 m 28 August 2001	K.B. G.L.	101.2 m 25.0 m		
	Runs:		To 1	Elevation	D.F.	126.2 m		
	Permanent datum: Log measured from:		Least Astronomical Tide Drill Floor		Elev.: 0.0 m above Perm. datum			
	Depth reference:		Driller's Depth					
	API serial no.	Vertical Section	Longitude		Latitude			
	0 deg		E 142 50' 55.000 S 39 13' 42.675					
Depth logged: 557 m To 2094 m Date logged: 31 Aug 01 To 2 Sept 01	Mag decl: 11.05 deg Mag dip: -70.39 deg	Other services: Directional Surveys						
Bore hole record	Casing record							
Hole size	from	to	Size	Density	from	to		
12.25 in	557 m	2109 m	13.375 in	61 lb/ft	126.0 m	551.0 m		
Type Mud record	from	to	Min	Max	from	to		
KCl/Polymer	557 m	2109 m	0.59 deg	1.36 deg	557 m	2109 m		
Surface equipment	Software record							
Unit	TWIS-EA	IDEAL Wis		6.1c_03				
Depth system	Geograph	SPM		6.1c_03				
		LWD	5.0					
		MWD	6.1					
<div>IDEAL</div> <div>services from</div> Anadrill								

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OTHER SERVICES FOR RUN1 MWD Surveys. 4–Axis vibration / shock monitoring. DWOB/DTORQ. Geologist Display.	OTHER SERVICES FOR RUN	OTHER SERVICES FOR RUN
REMARKS: RUN NUMBER 1 Depth is referenced to the driller's pipe tally.  The data presented is from the tool memory.  The CDR gamma ray is corrected for mud weight, bit size and collar thickness.  The CDR resistivity is borehole compensated but not environmentally corrected.	REMARKS: RUN NUMBER	REMARKS: RUN NUMBER

Interval drilled : 557 – 2109m.

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Interval logged : 557 – 2094m.

Run objective : drill vertically to casing point.  
POOH : reached 9 5/8 in. casing point.

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Interval logged : 557 – 2094m.

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POOH : reached 9 5/8 in. casing point.

EQUIPMENT DESCRIPTION		
RUN1	RUN	RUN

DOWNHOLE EQ		
8.25 in. Pow		29.7
MDC 26		
MEC 115		
MMA 1		
	D&I	25.5
	GR	24.9
In-Line Sta		21.3
8.25 in. C		19.9
CDM 8		
	Gamma	18.1
	R-O P	15.8
	Upper	14.9
	Receiv	14.8
	Lower	14.6
Roller Re		13.0

A vertical axis with tick marks and labels 0, 9, 3, and 7 from bottom to top.

[illegible]

Section	Material	Thickness (in.)
8.25 in. Pow	MDC 26	29.7
	MEC 115	25.5
	MMA 1	24.9
In-Line Sta	D&I	21.3
	GR	
8.25 in. C	CDM 8	19.9
	Gamma	18.1
	R-O P	15.8
	Upper	14.9
	Receiv	14.8
Roller Re	Lower	14.6
		13.0

**8.25 in. Pow** 29.7

MDC 26

MEC 115

MMA 1

**8.25 in. Pow** 29.7

MDC 26

MEC 115

MMA 1

<b>In-Line Sta</b>		21.3
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8.25 in. C  19.9

CDM 8	Gamma	—	18.1
	R-O P	—	15.8
	Upper	0	14.9
	Receiv	/	14.8
	Lower	/	14.6

<b>Roller Re</b>		13.0
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<b>GR</b>										
Mud weight	sg	1.26								
Bit size	in	12.25								
<b>Resistivity</b>										
<b>Neutron porosity</b>										
Hole Size										
Mud weight										
Temperature										
Mud salinity										
Formation salinity										
Recording rate 1	SEC	6 sec	CDR GR							
Recording rate 2	SEC	6 sec	CDR RES							
Filtering GR										
Filtering density										
Filtering Neutron										
Company representative		M.Jackson	J.Trethewie	M.Bilek	G.Westie					
Anadrill personnel		L.Muskett	O.Radicevic	B.Hanson						

**6921.5 FT**

## IDF

Graphics File Created: 19-Sep-2001 11:42

## 0.0 m

- └ CDR Gamma Ray Samples
  - └ CDR Resistivity Samples

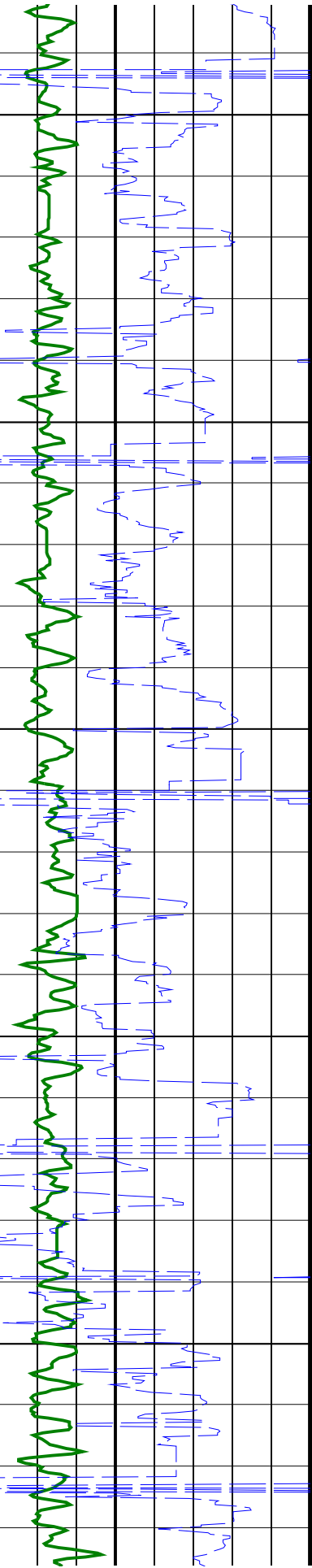
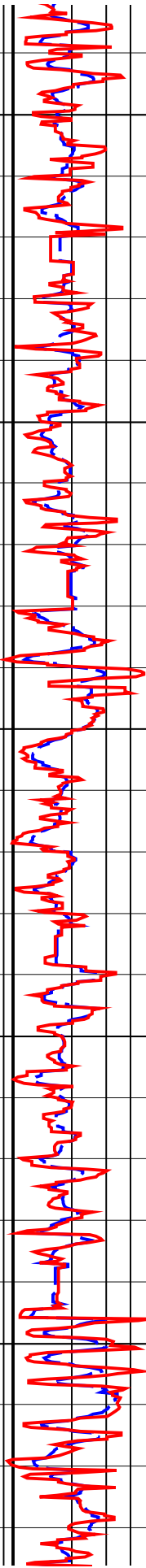
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0.2 (OHMM) 2000

**13-3/8" Casing Shoe set at 550.7 m**

600

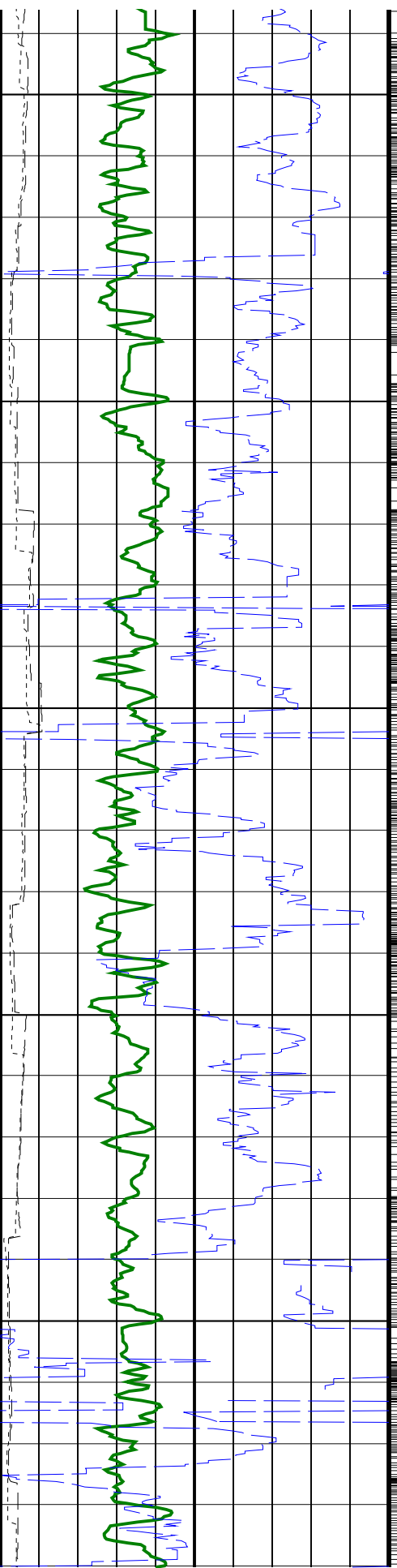
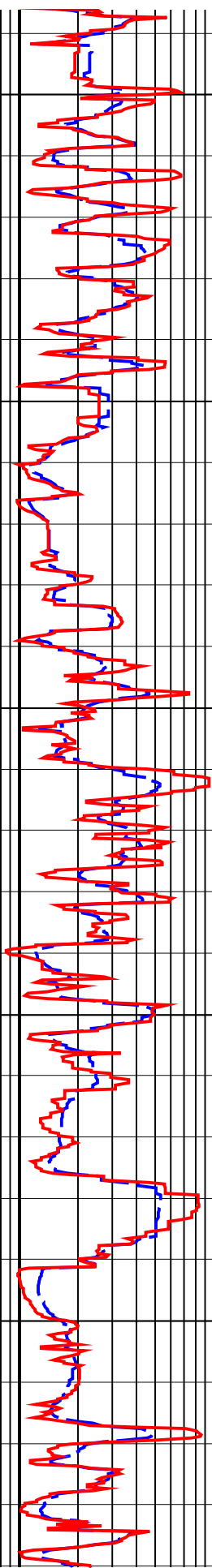
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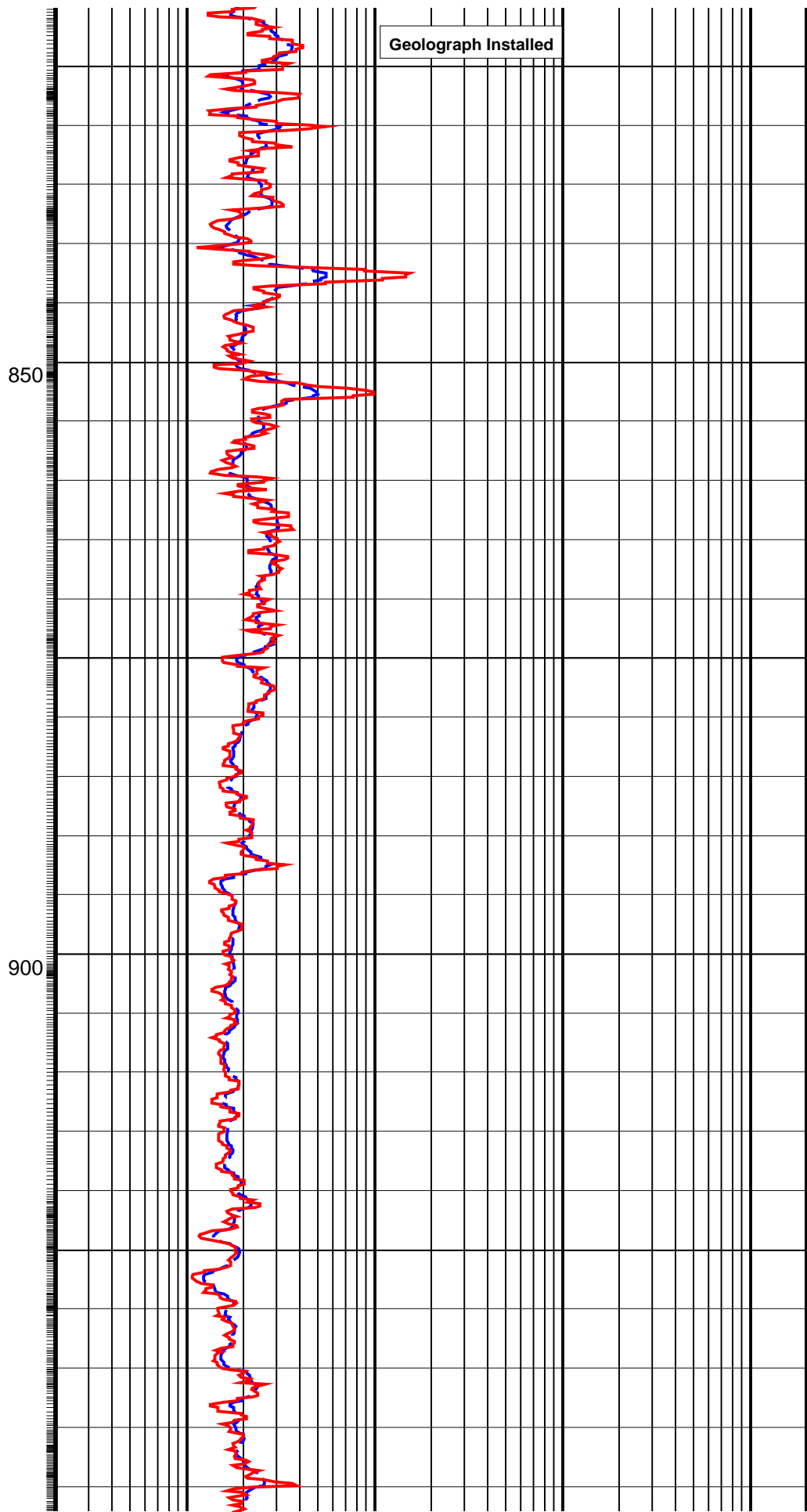
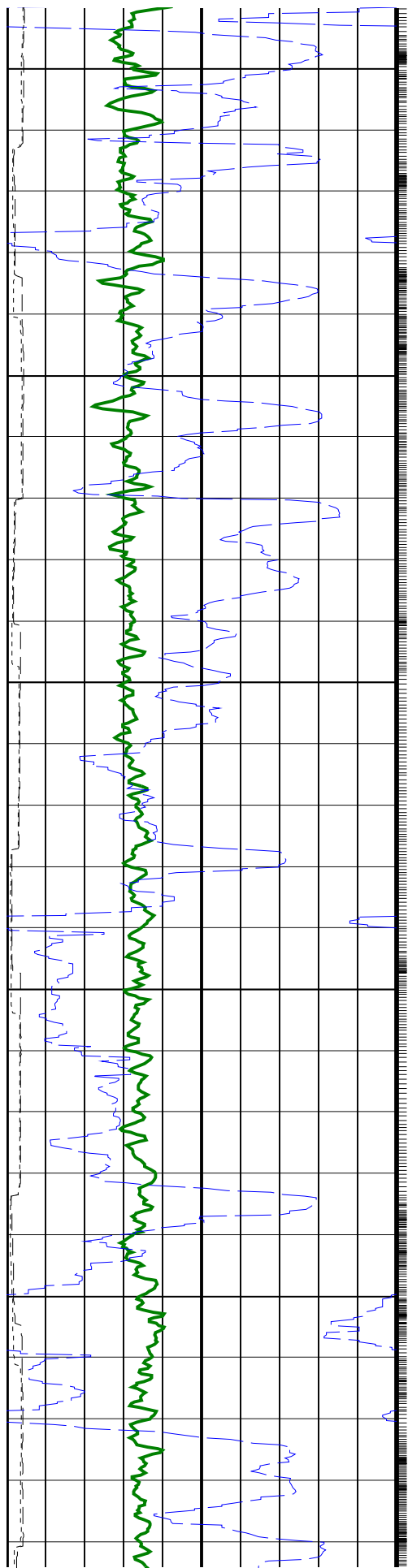


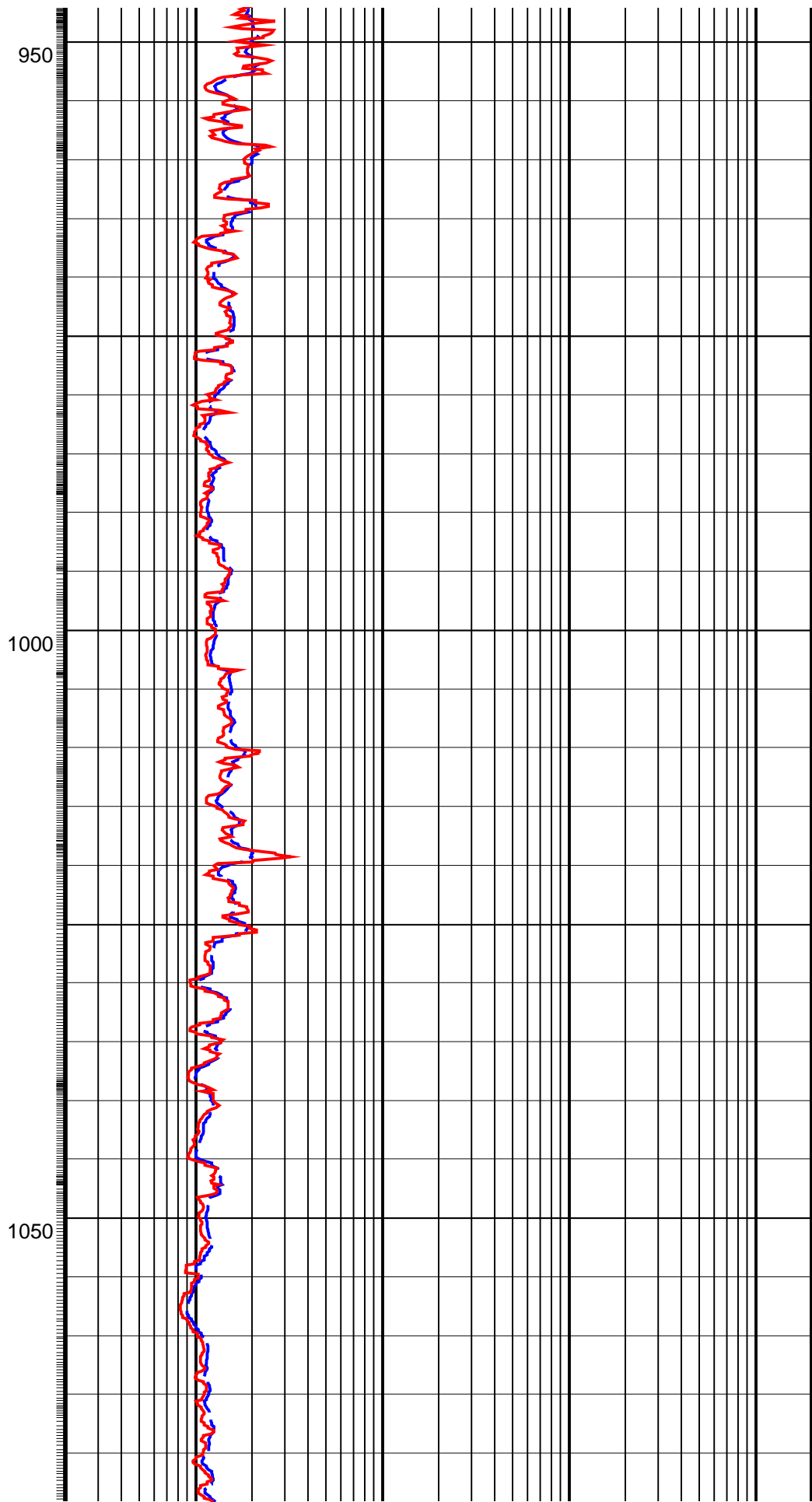
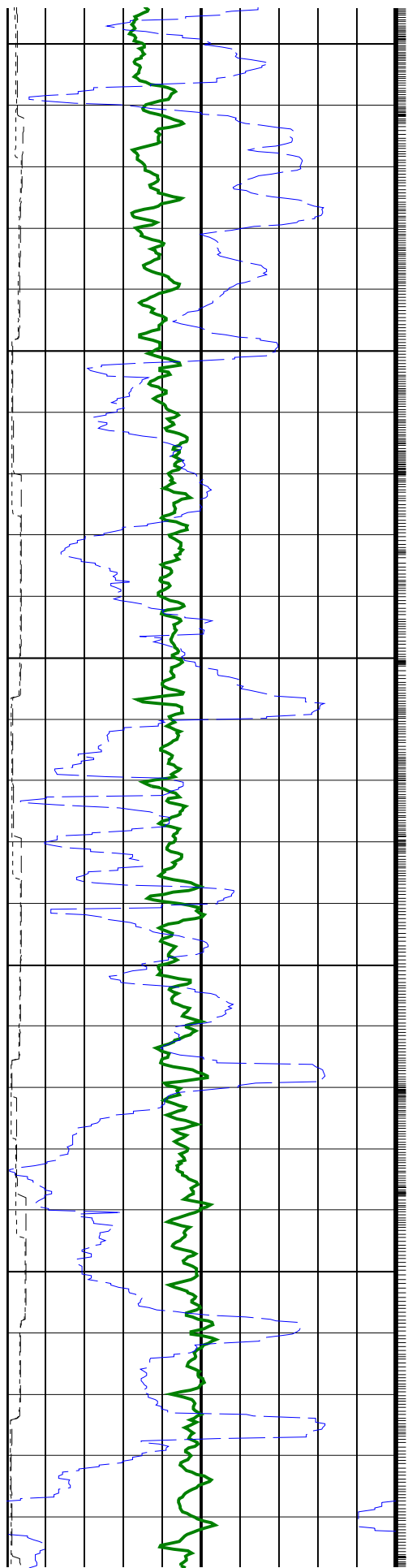
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750

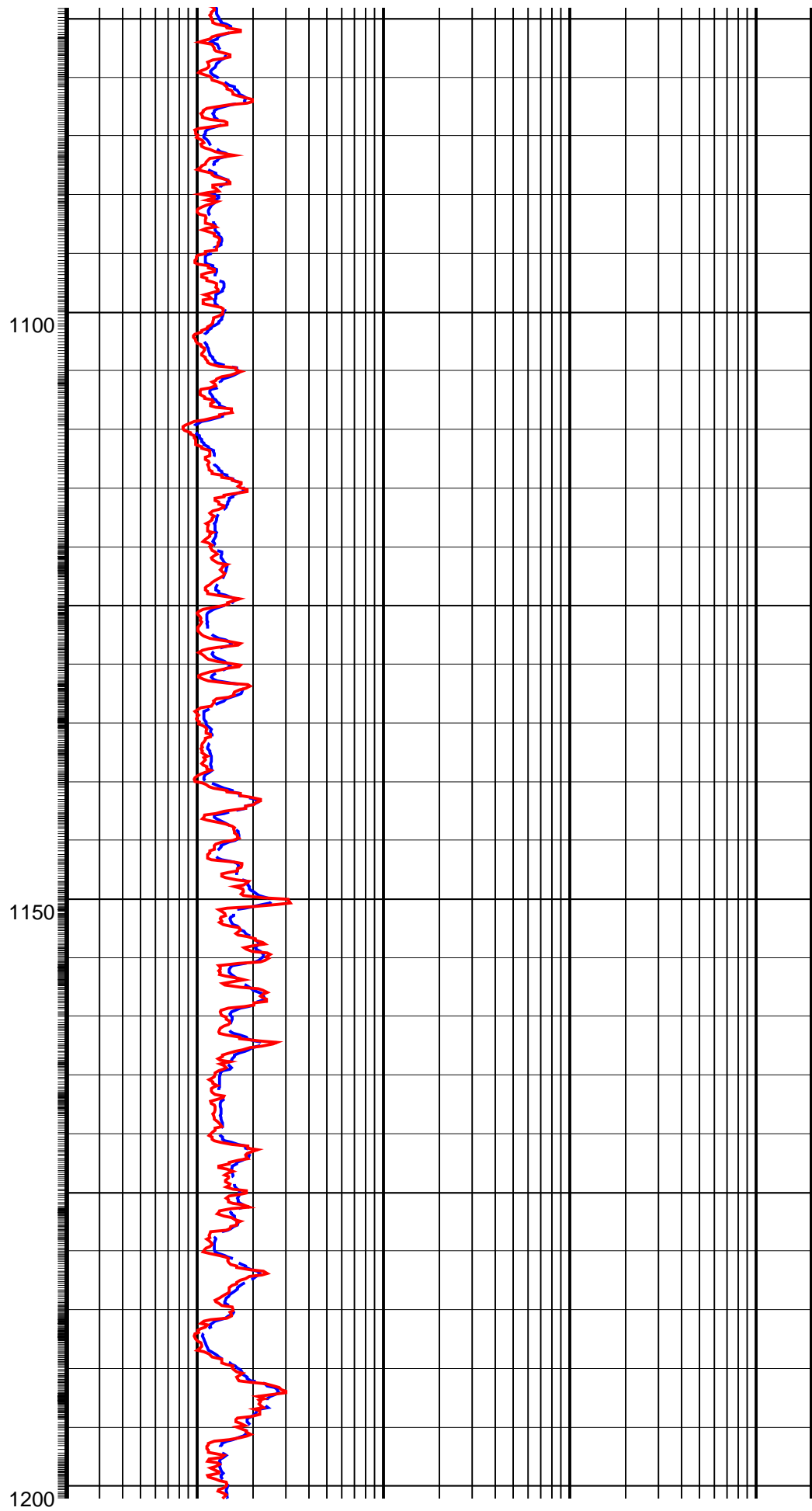
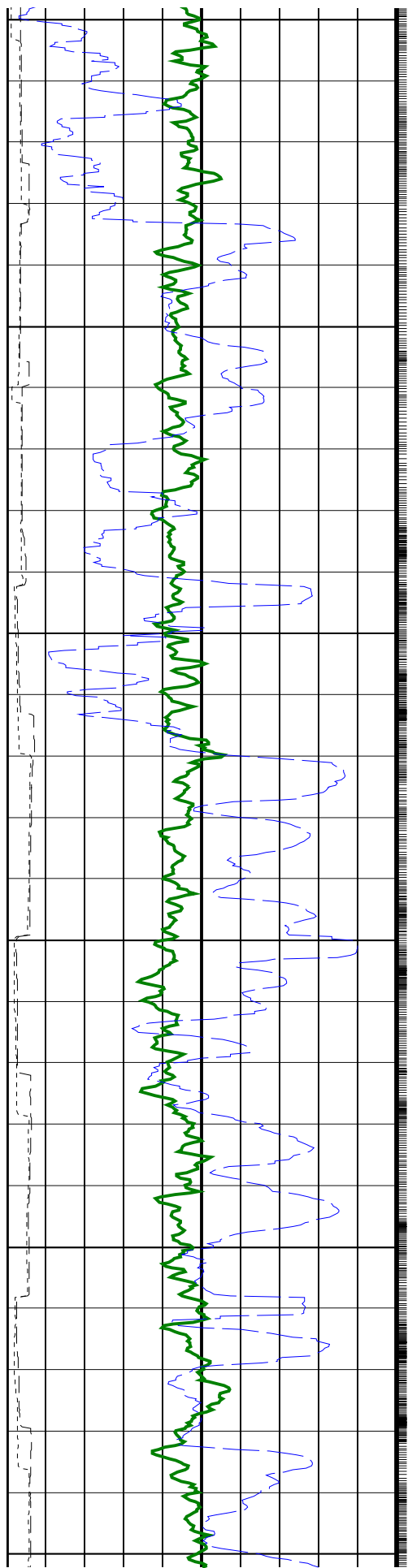
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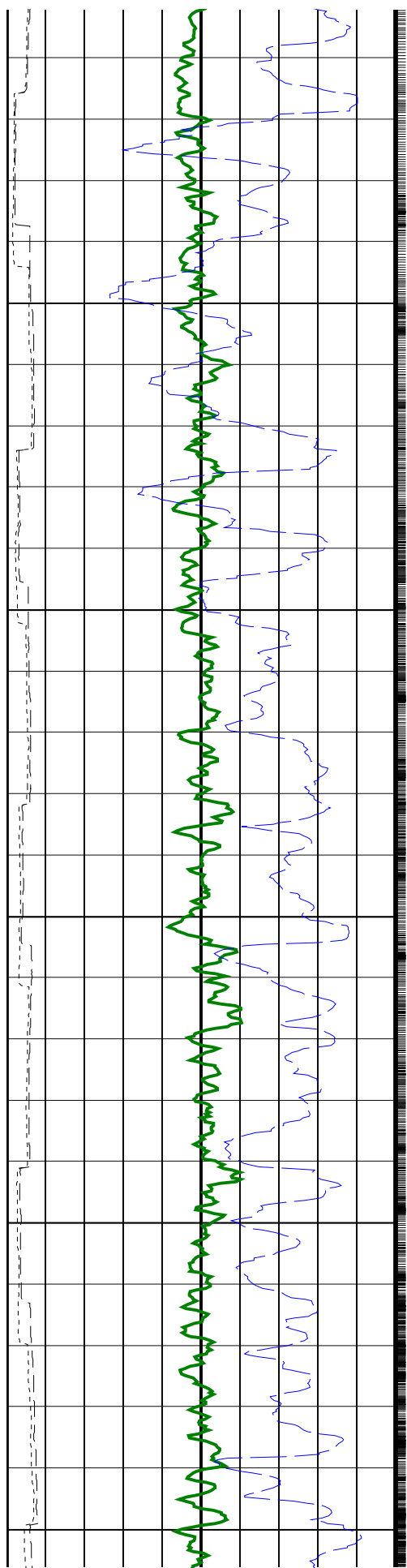








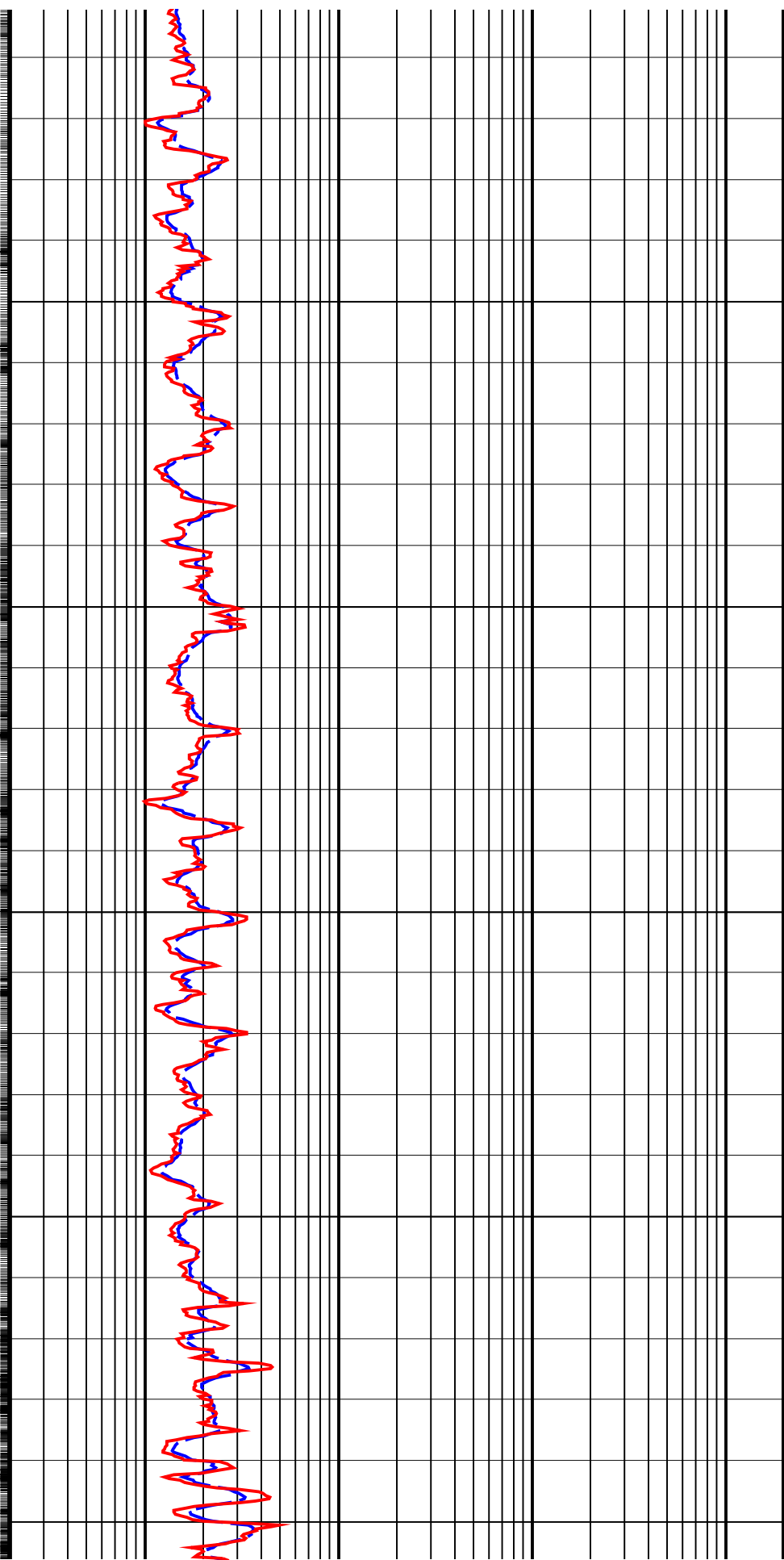


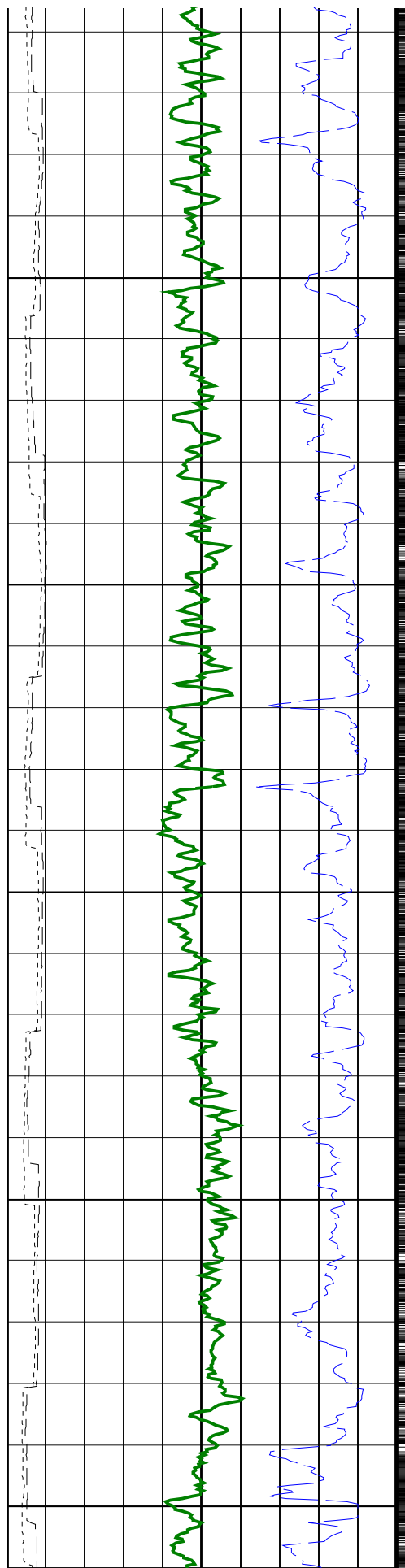


1200

1250

1300

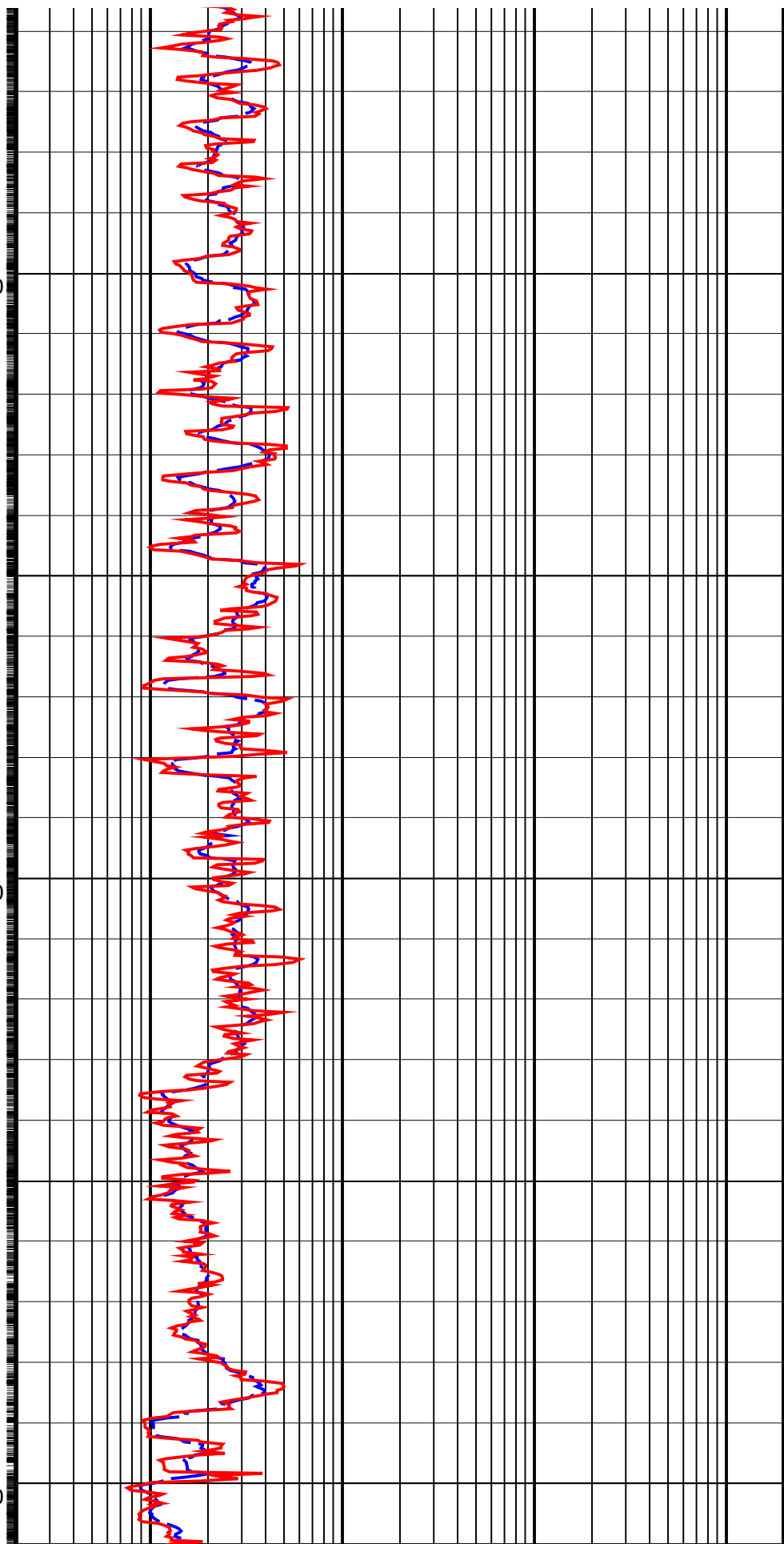


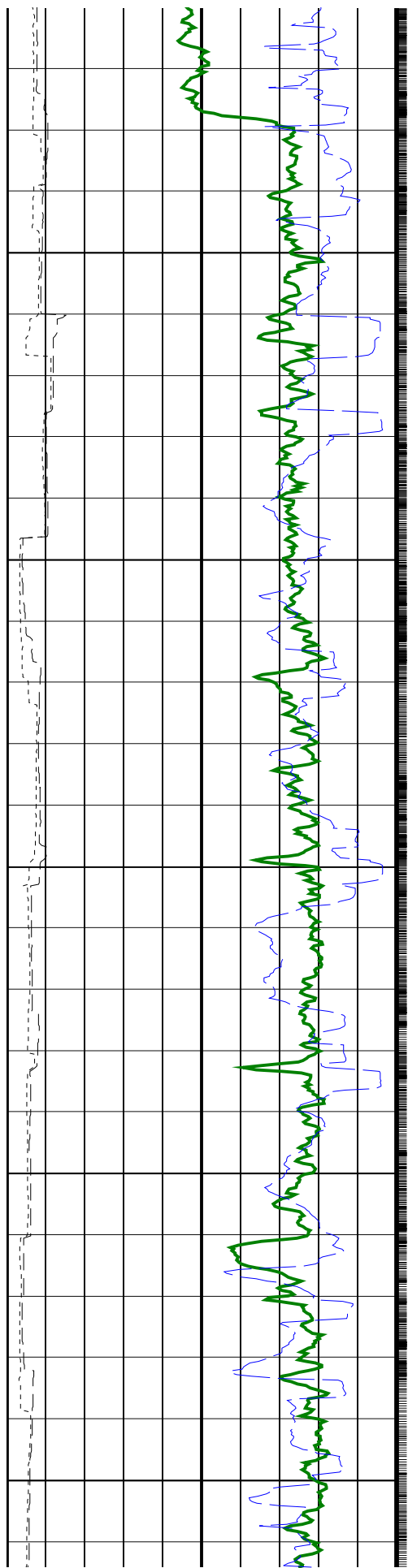


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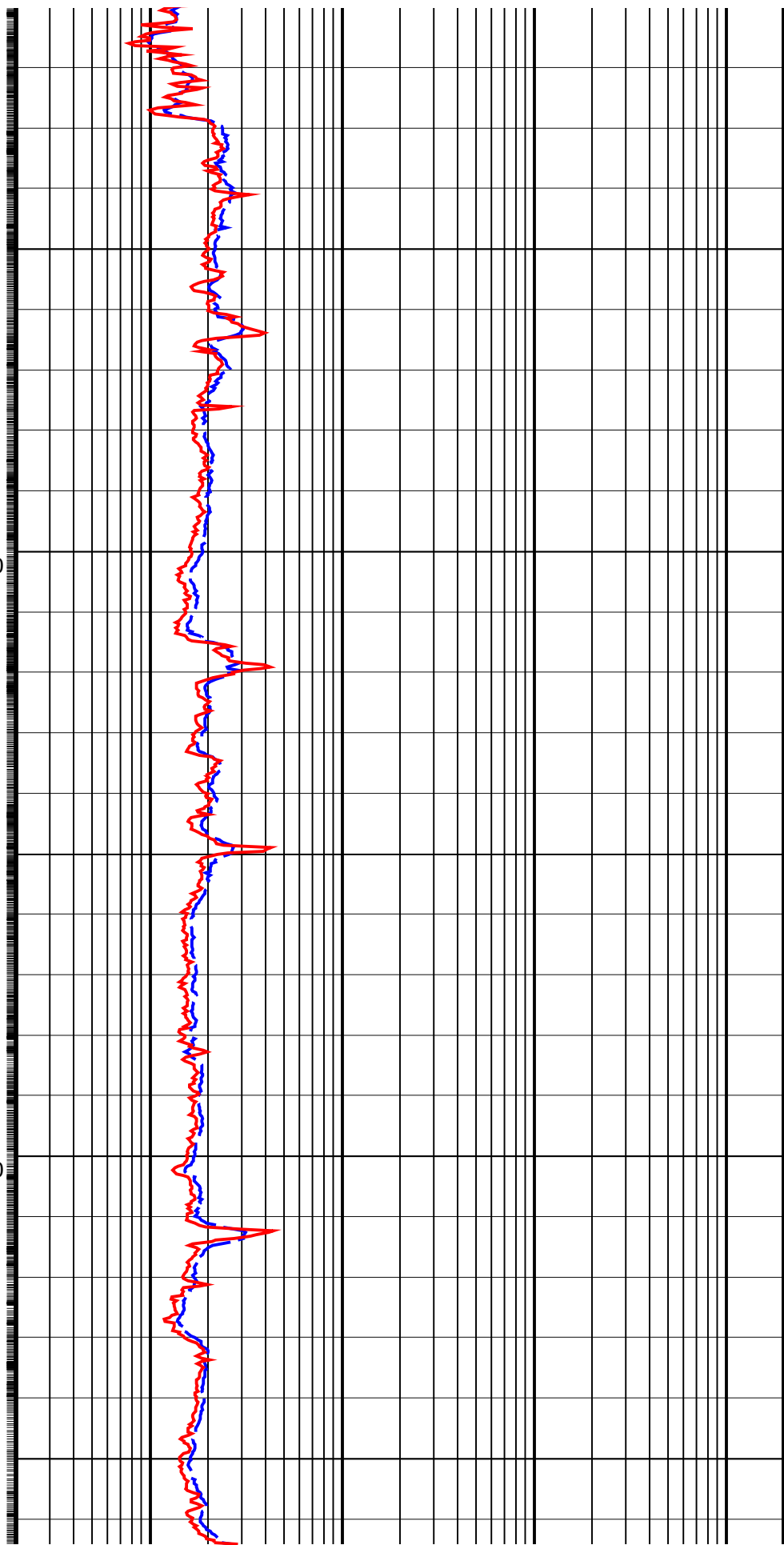
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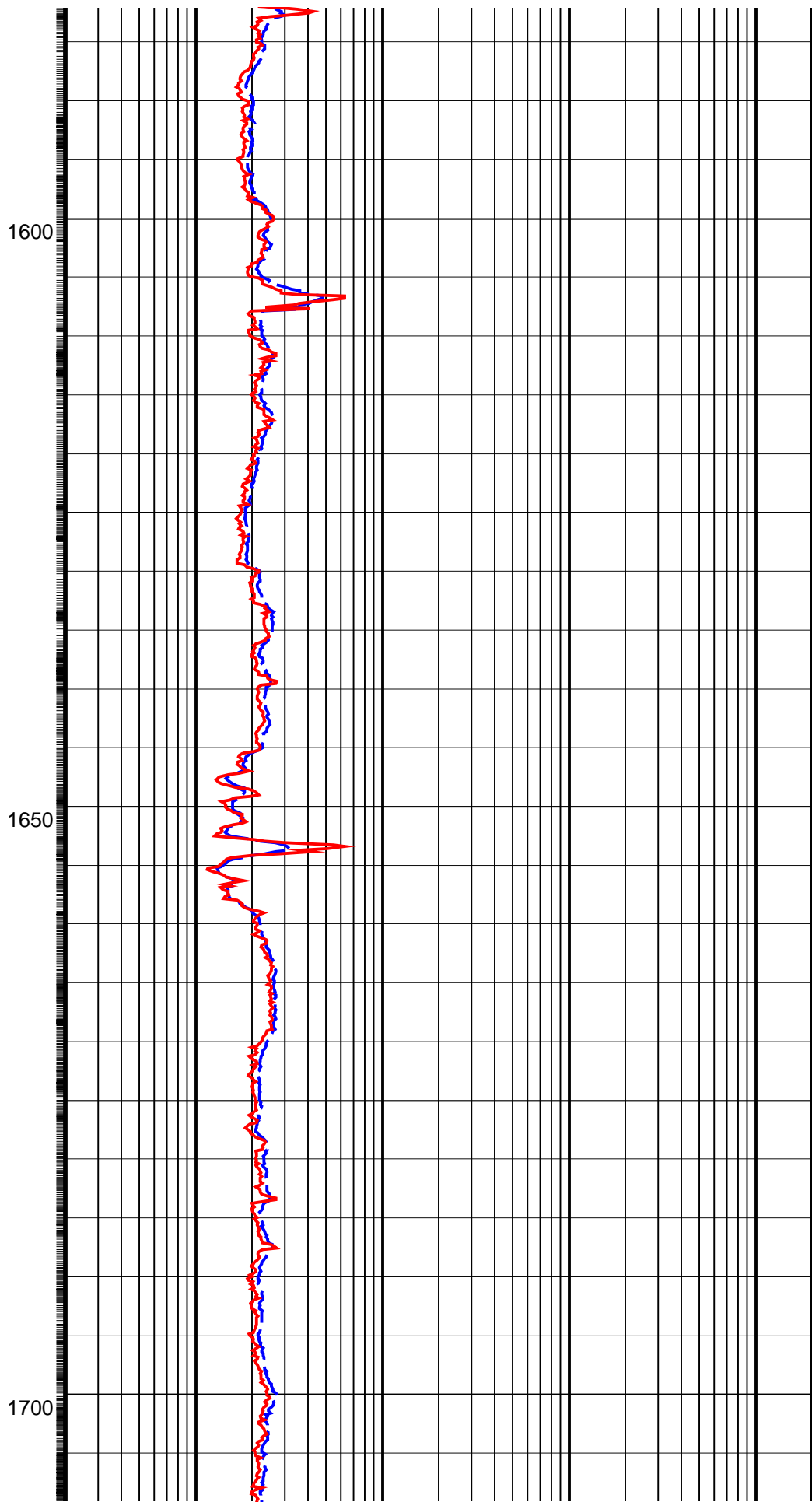
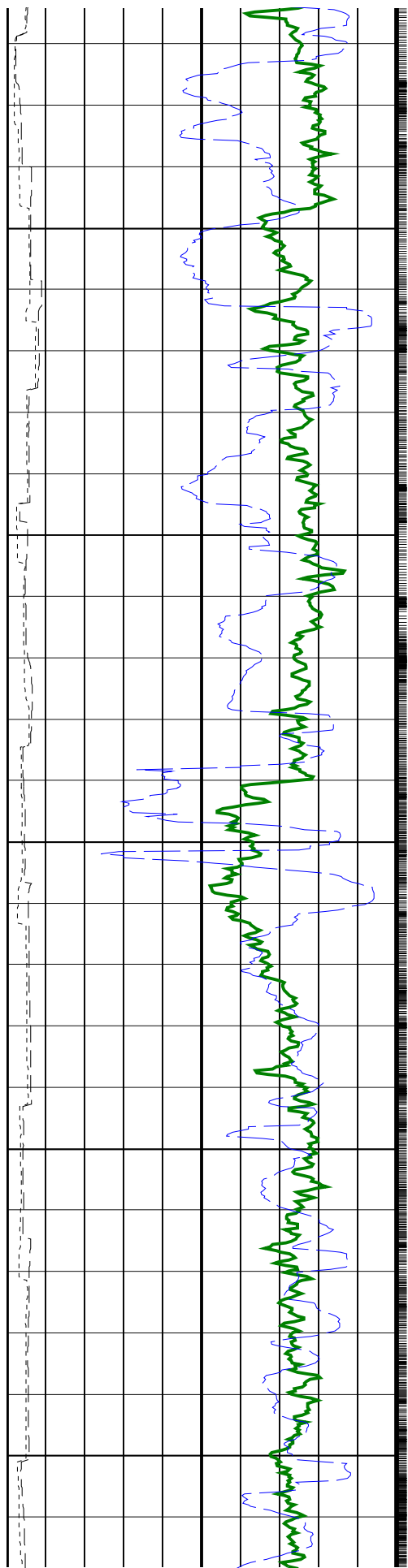


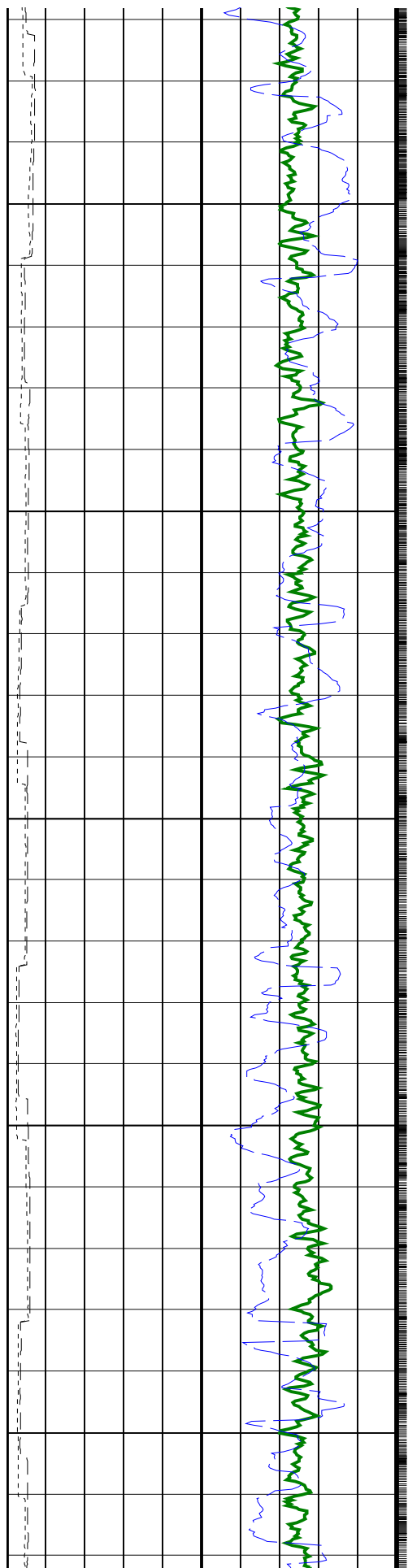


1500

1550

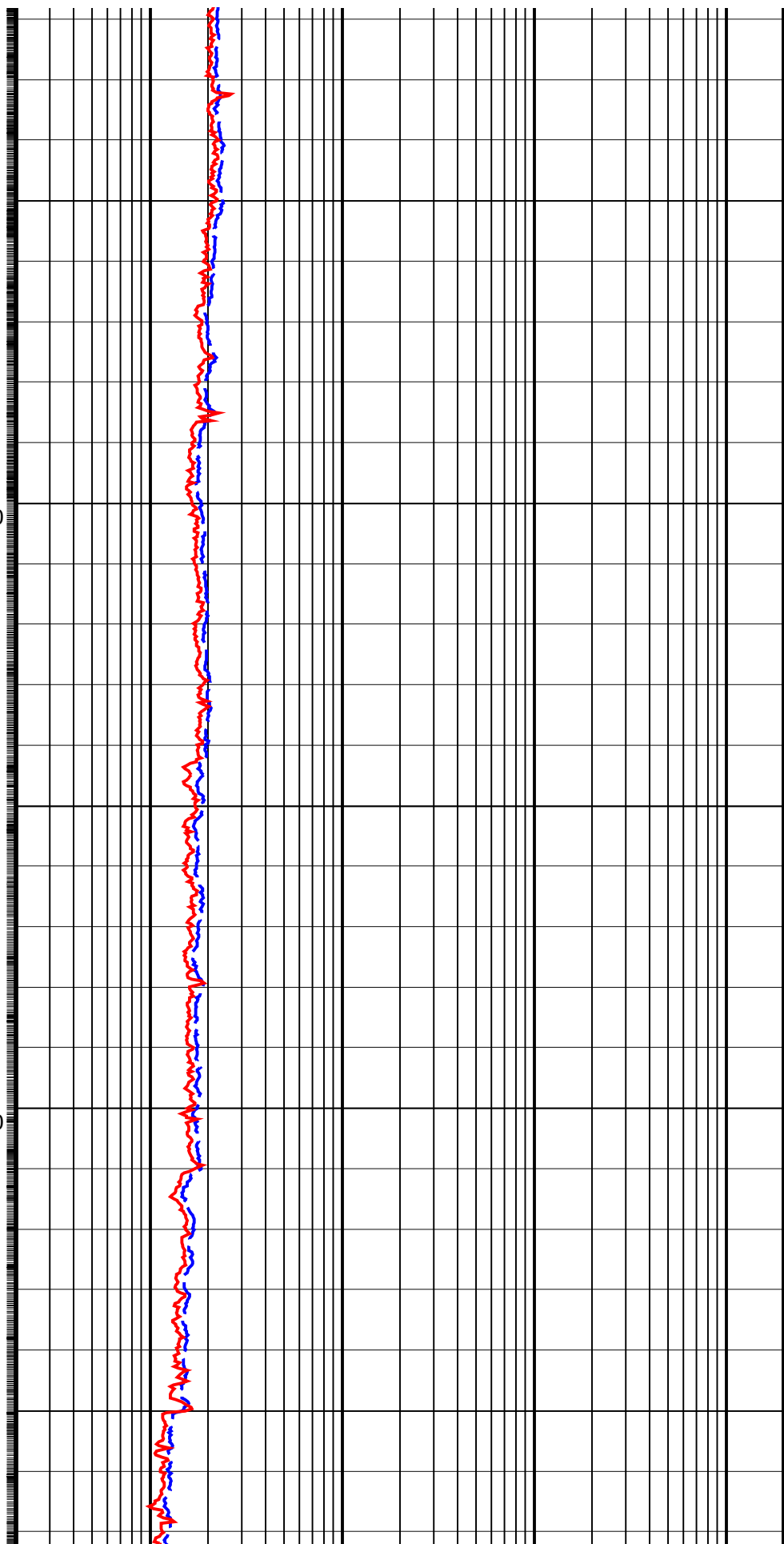


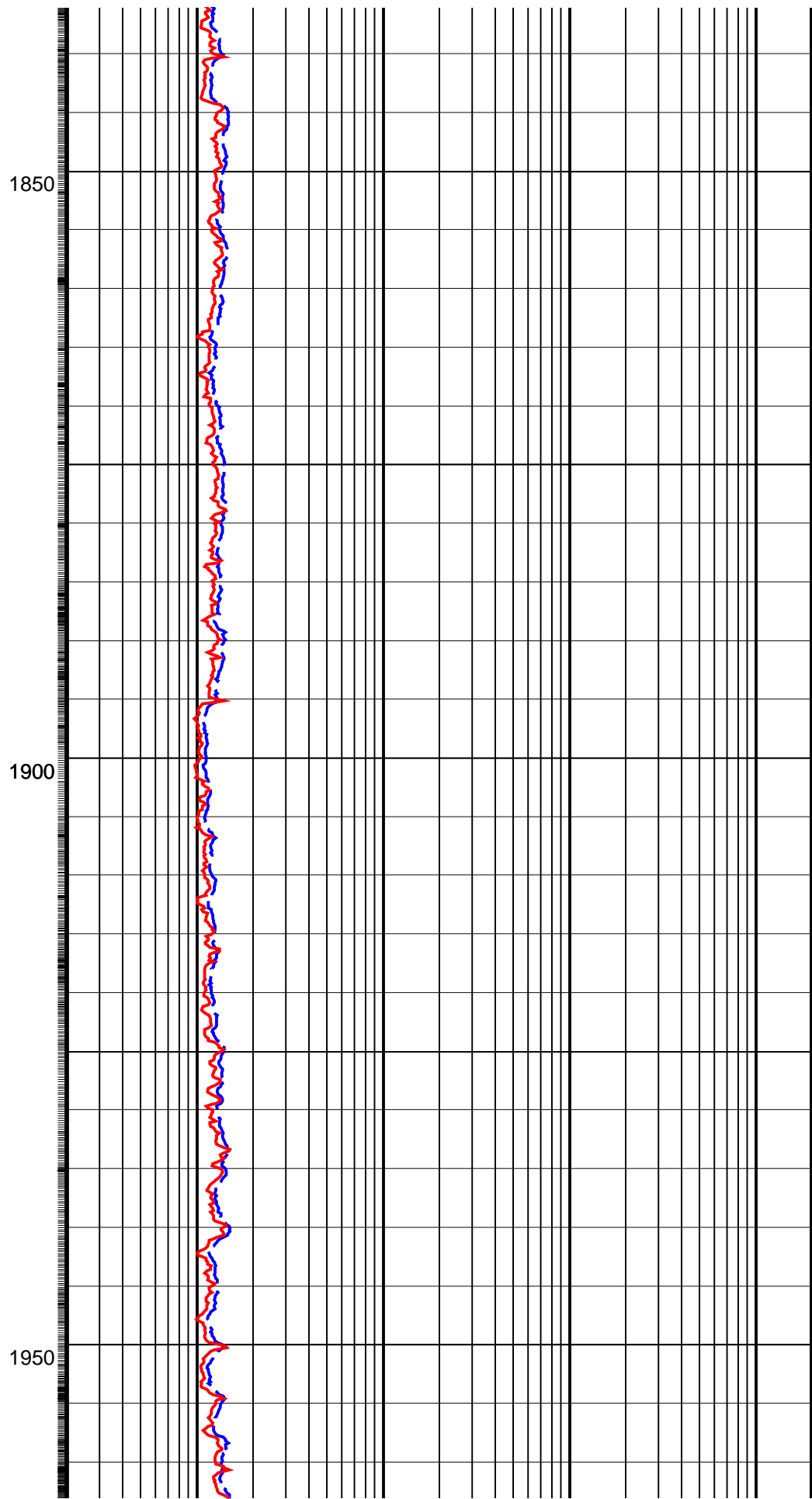
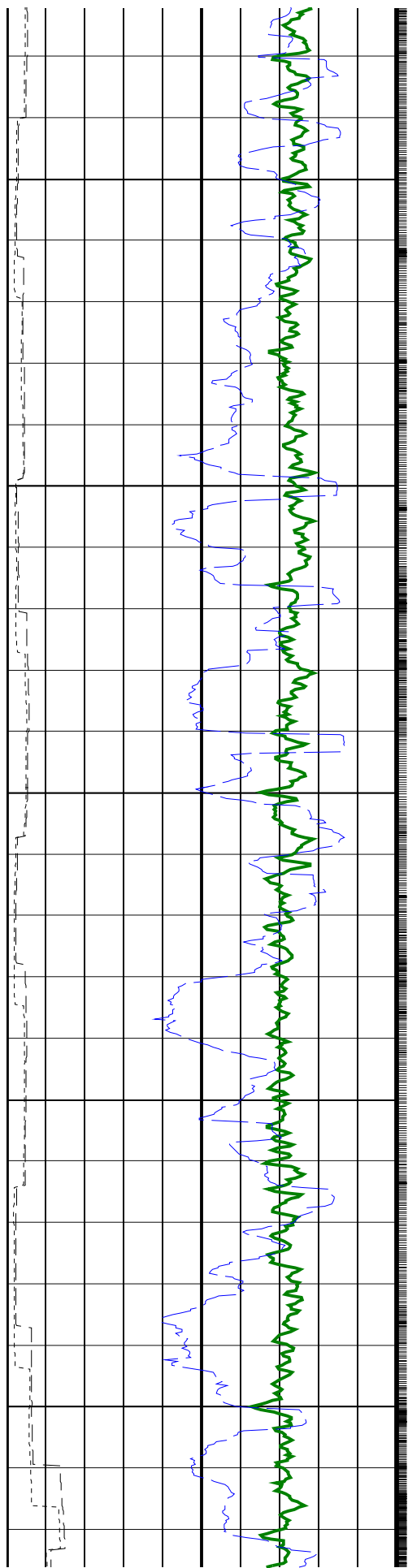


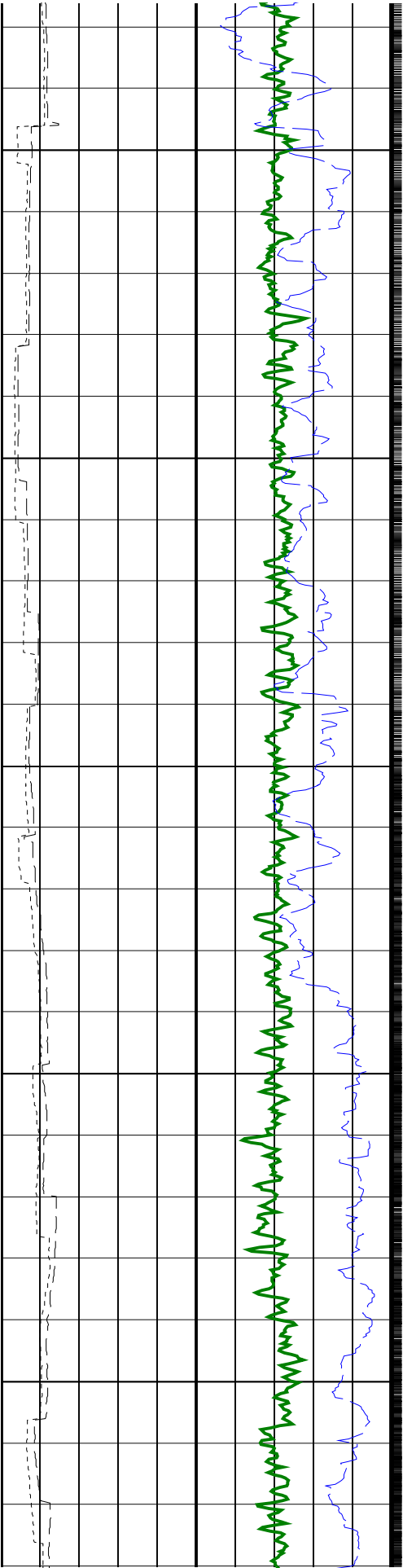


1750

1800

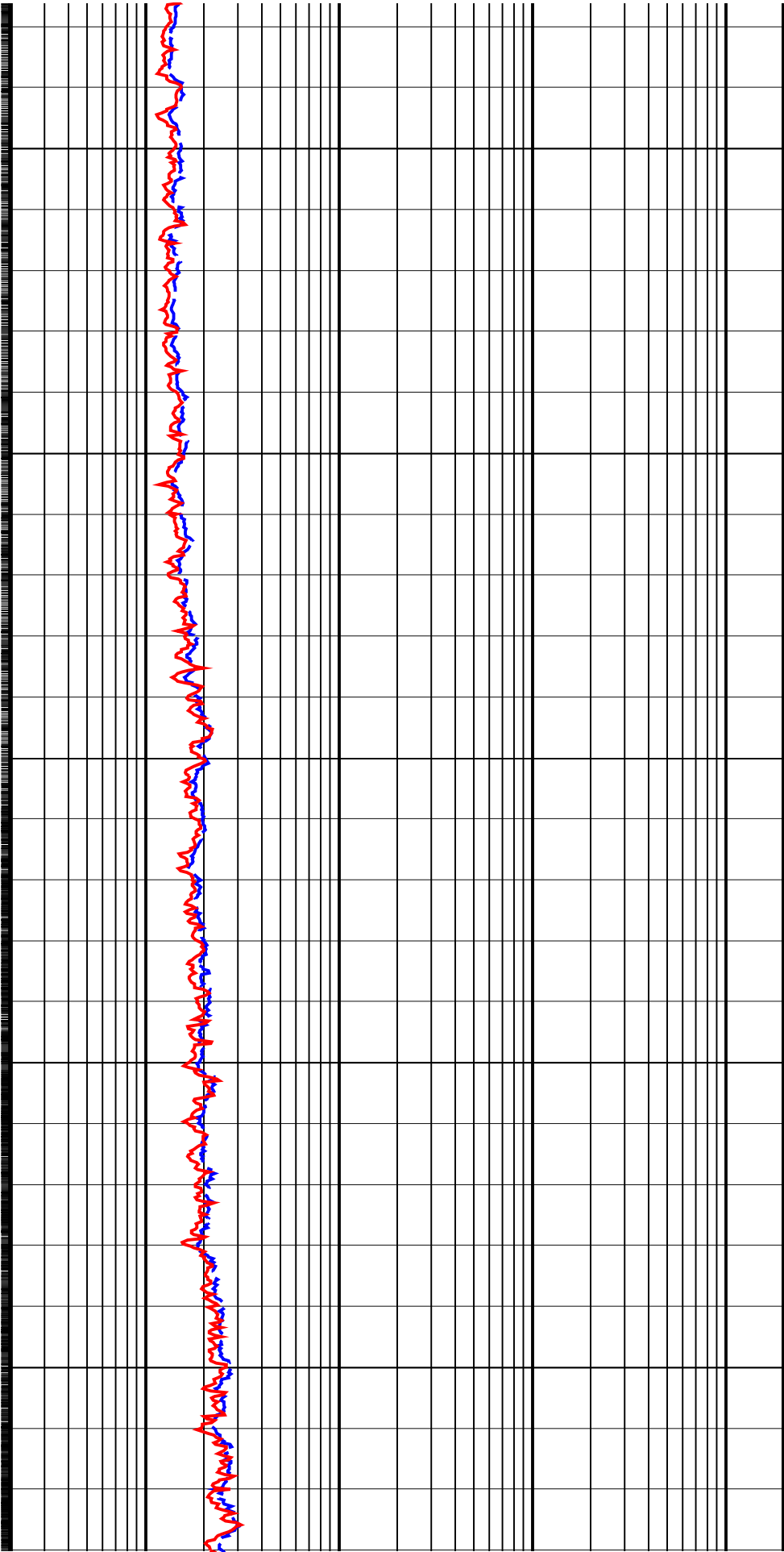






2000

2050





		Last Reading	GR						
<b>CDR Gamma Ray (GR_CDR)</b>									
0			(GAPI)						200
<b>CDR Gamma Ray Time After Bit (TAB_</b>									
<b>CDR_GR)</b>									
0			(HR)						10
<b>Rate of Penetration, Averaged over Last</b>									
<b>5ft (ROP5_RM)</b>									
200			(M/HR)						0
<b>CDR Resistivity Time After Bit (TAB_</b>									
<b>CDR_RES)</b>									
0			(HR)						10

## PIP SUMMARY

**IDEAL Version: ID6\_1C\_10**  
IDF

**CDR .091 FN:102**

### 8.25-in. Compensated Dual Resistivity / Equipment Identification

CDR8 – AA	8134
Plat – GR	
Valid	

Master: 19-JUL-2001 12:00


Resistivity: Air

Master: 19-JUL-2001 12:00

Resistivity: Air

Master: 19-JUL-2001 12:00

8.25-in. Compensated Dual Resistivity Calibration

Gamma Ray: Blanket		
Phase	Gain	Value
Master		1.005
0.8000 (Minimum)	1.000 (Nominal)	1.200 (Maximum)

ANADRILL

SCHLUMBERGER

Survey report

2-Sep-2001 05:08:50

Page 1 of 2

Client.....: Woodside Energy Limited  
Field.....: Otway Basin

Well.....: Thylacine-2  
API number.....:  
Engineer.....: L.Muskett, O.Radicevic

Spud date.....: 28-Aug-01  
Last survey date.....: 02-Sep-01  
Total accepted surveys...: 16  
MD of first survey.....: 595.5 m  
MD of last survey.....: 2109.00 m

STATE:.....: Tasmania

----- Survey calculation methods-----  
Method for positions.....: Minimum curvature  
Method for DLS.....: Mason & Taylor

----- Depth reference -----  
Permanent datum.....: Lowest Astronomical Tide  
Depth reference.....: Driller's Depth  
GL above permanent .....: -101.00 m  
KB above permanent.....: 25.00 m  
DF above permanent.....: 25.00 m

----- Vertical section origin-----  
Latitude (+N/S-).....: 0.00 m  
Departure (+E/W-).....: 0.00 m

----- Platform reference point-----  
Latitude (+N/S-).....: 0.00 m  
Departure (+E/W-).....: 0.00 m

Azimuth from rotary table to target: 0.00 degrees

----- Geomagnetic data -----  
Magnetic model.....: BGGM version 2000  
Magnetic date.....: 28-Aug-2001  
Magnetic field strength...: 1224.35 HCNT  
Magnetic dec (+E/W-).....: 11.05 degrees  
Magnetic dip.....: -70.39 degrees

----- MWD survey Reference Criteria -----  
Reference G.....: 1000.12 mGal  
Reference H.....: 1224.35 HCNT  
Reference Dip.....: -70.39 degrees  
Tolerance of G.....: (+/-) 2.50 mGal  
Tolerance of H.....: (+/-) 6.00 HCNT  
Tolerance of Dip.....: (+/-) 0.45 degrees

----- Corrections -----  
Magnetic dec (+E/W-).....: 11.05 degrees  
Grid convergence (+E/W-)..: -1.17 degrees  
Total az corr (+E/W-).....: 12.22 degrees  
(Total az corr = magnetic dec - grid conv)  
Sag applied (Y/N).....: No degree: 0.00

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ANADRILL SCHLUMBERGER Survey Report

2-Sep-2001 05:08:50

Page 2 of 2

Seq #	Measured depth (m)	Incl angle (deg)	Azimuth angle (deg)	Course length (m)	TVD depth (m)	Vertical section (m)	Displ +N/S- (m)	Displ +E/W- (m)	Total displ (m)	At Azim (deg)	DLS (deg/10m)	Srvy tool type	Tool qual type
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	TIP	-
2	126.00	0.00	0.00	126.00	126.00	0.00	0.00	0.00	0.00	0.00	0.00	MWD	-
3	595.50	0.59	190.42	469.50	595.49	-2.38	-2.38	-0.44	2.42	190.42	0.01	MWD	6-axis
4	684.37	0.51	189.27	88.87	684.36	-3.22	-3.22	-0.58	3.27	190.28	0.01	MWD	6-axis
5	739.73	0.41	177.78	55.36	739.72	-3.66	-3.66	-0.62	3.71	189.55	0.02	MWD	6-axis
6	860.59	0.55	136.09	120.86	860.57	-4.51	-4.51	-0.20	4.51	182.50	0.03	MWD	6-axis
7	1093.36	0.27	141.66	232.77	1093.34	-5.74	-5.74	0.92	5.82	170.92	0.01	MWD	6-axis
8	1209.46	0.50	75.88	116.10	1209.43	-5.83	-5.83	1.58	6.04	164.85	0.04	MWD	6-axis
9	1384.16	0.64	113.39	174.70	1384.13	-6.04	-6.04	3.21	6.84	151.97	0.02	MWD	6-axis
10	1499.15	0.61	112.19	114.99	1499.11	-6.52	-6.52	4.37	7.85	146.18	0.00	MWD	6-axis
11	1528.39	0.59	99.50	29.24	1528.35	-6.61	-6.61	4.66	8.09	144.78	0.05	MWD	6-axis
12	1557.20	0.63	94.58	28.81	1557.16	-6.64	-6.64	4.97	8.29	143.21	0.02	MWD	6-axis
13	1702.37	0.89	105.20	145.17	1702.31	-7.00	-7.00	6.85	9.80	135.63	0.02	MWD	6-axis
14	1963.05	1.36	50.96	260.68	1962.95	-5.58	-5.58	11.21	12.52	116.49	0.04	MWD	6-axis
15	2082.91	1.02	4.82	119.86	2082.78	-3.63	-3.63	12.40	12.92	106.30	0.08	MWD	6-axis
16	2109.00	1.02	4.82	26.09	2108.87	-3.16	-3.16	12.44	12.84	104.26	0.00	MWD	PROJECTION

[(c)2001 Anadrill IDEAL ID6\_1C\_03]

Company: Woodside Energy Limited

Well: Thylacine-2

Field: Permit T/30P

Field: FORM 17-01  
Rig: Ocean Bounty  
State: Tasmania

**IDEAL** services from **Anadrill**

**CDR – Resistivity**  
**1:500 Measured Depth**  
**Recorded Mode**

**Schlumberger**