



DUAL INDUCTION LL3/GR LOG

Company	LONE WOLF OIL & GAS CO., LLC		
Well	KEMPTON A 2		
Field	WALKER		
County	ELK	State	KANSAS
Location:	API # : 15-049-22625 SW SW NW SE 1425' FSL & 2610' FEL SEC 5 TWP 31S RGE 10E		Other Services CDLN MEL
Permanent Datum	GL	Elevation	1204
Log Measured From	KB		
Drilling Measured From	KB		
Elevation		K.B. 1213 D.F. 1212 G.L. 1204	
Date	3-30-22		
Run Number	ONE		
Depth Driller	2333		
Depth Logger	2332		
Bottom Logged Interval	2330		
Top Log Interval	SURFACE		
Casing Driller	8 5/8" @ 40		
Casing Logger	8 5/8" @ 40		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL		
Density / Viscosity	9.5 / 51		
pH / Fluid Loss	9.5 / 8.4		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	2.5 @ 70		
Rmf @ Meas. Temp	3.1 @ 70		
Rmc @ Meas. Temp	1.9 @ 70		
Source of Rmf / Rmc	CAL		
Rm @ BHT	2.05 @ 98		
Time Circulation Stopped	5:30 PM		
Time Logger on Bottom	8:00 PM		
Maximum Recorded Temperature	94		
Equipment Number	OW2		
Location	HOMINY, OK		
Recorded By	MACKEY		
Witnessed By	MR. WOLFE		

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

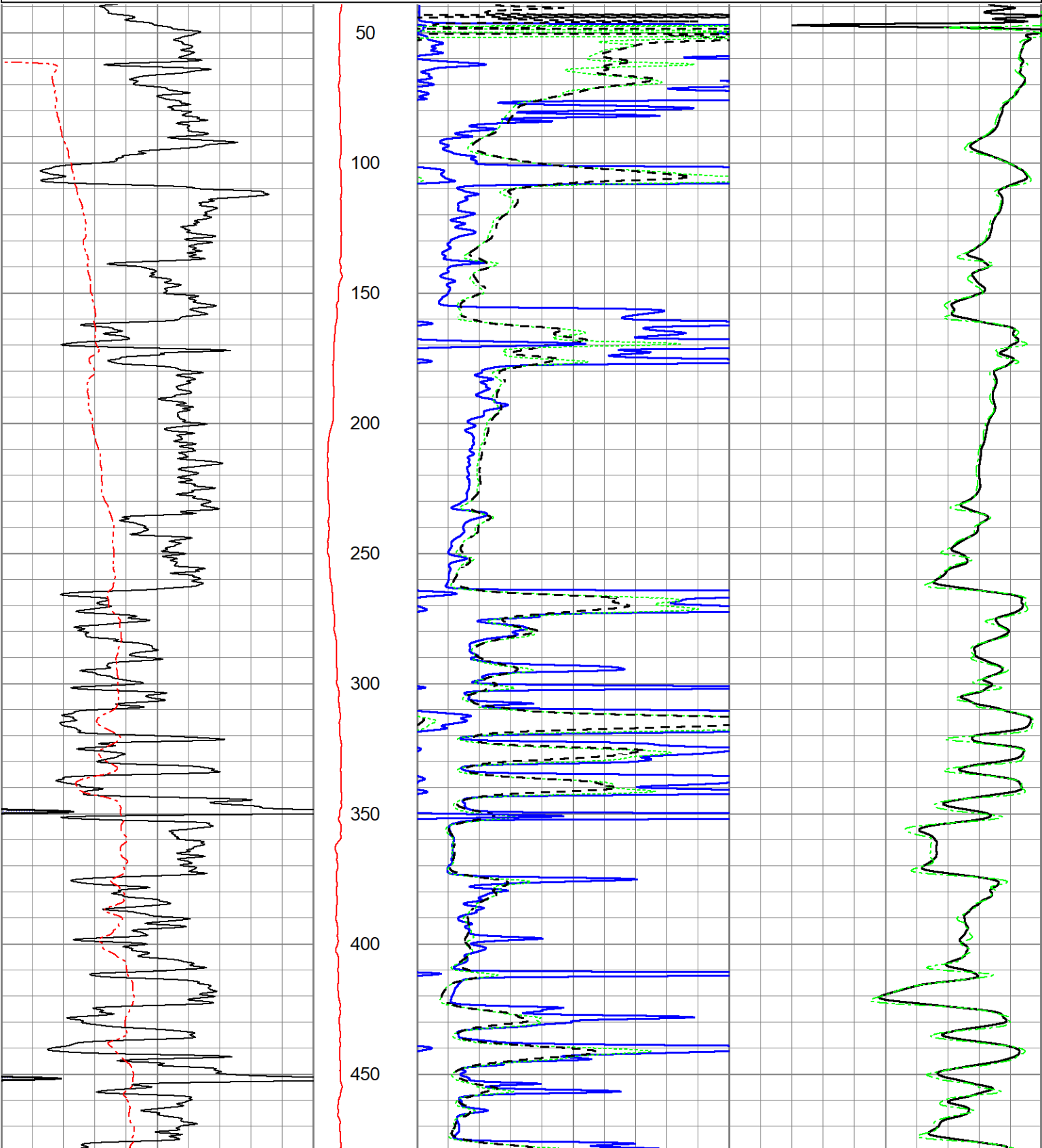
OW2-9035 LONE WOLF
THANK YOU FOR USING OSAGE WIRELINE INC.

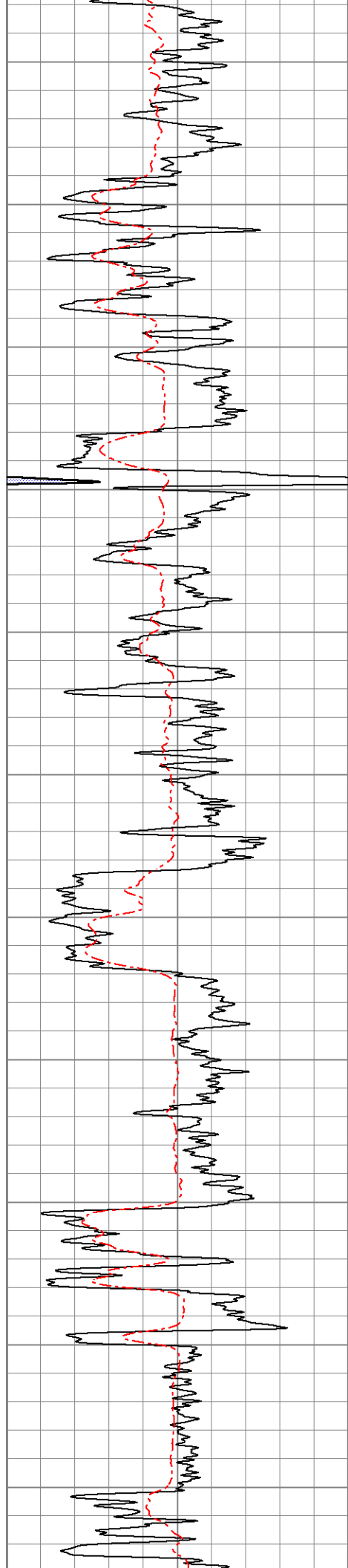


2" DUAL INDUCTION LOG

Database File	ow2-9035 lone wolf.db
Dataset Pathname	pass2.2
Presentation Format	mmdil2
Dataset Creation	Wed Mar 30 21:19:50 2022
Charted by	Depth in Feet scaled 1:600

0	GR (GAPI)	150	DEVI	1000	CILD (mmho/m)	0
0	Spontaneous Potential (mV)	200	0 (deg) 10	1000	CILM (mmho/m)	0
0	RLL3 (Ohm-m)	50				
0	RILM (Ohm-m)	50				
0	RILD (Ohm-m)	50				





500

550

600

650

700

750

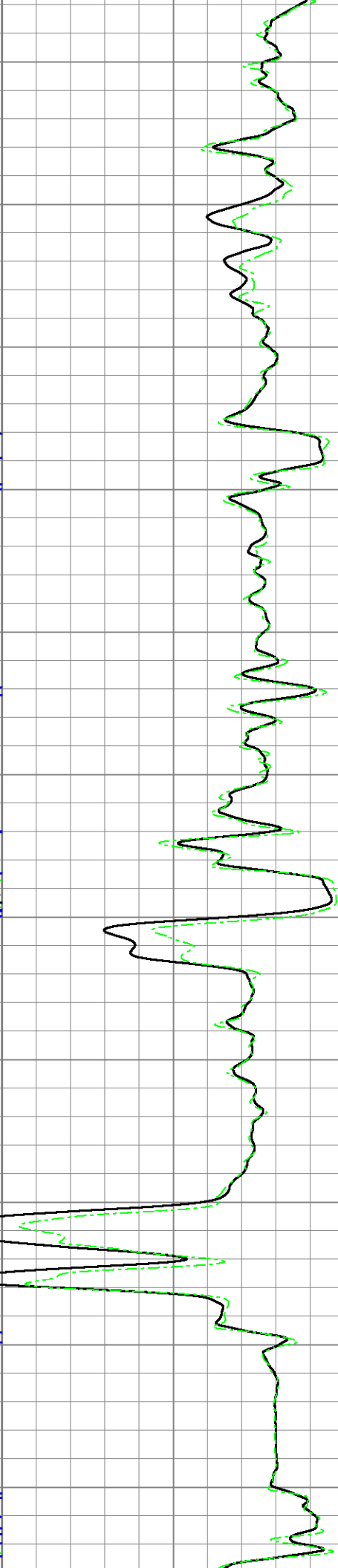
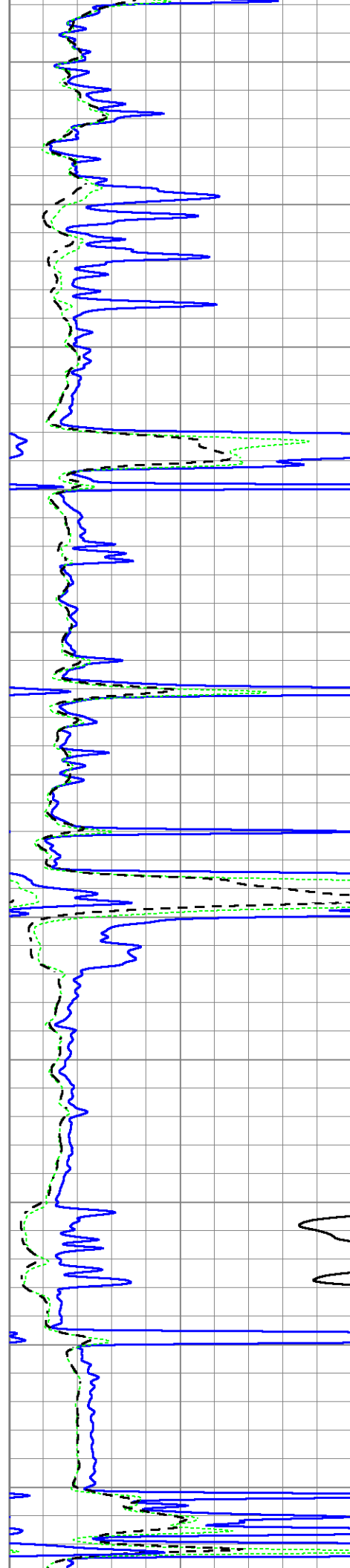
800

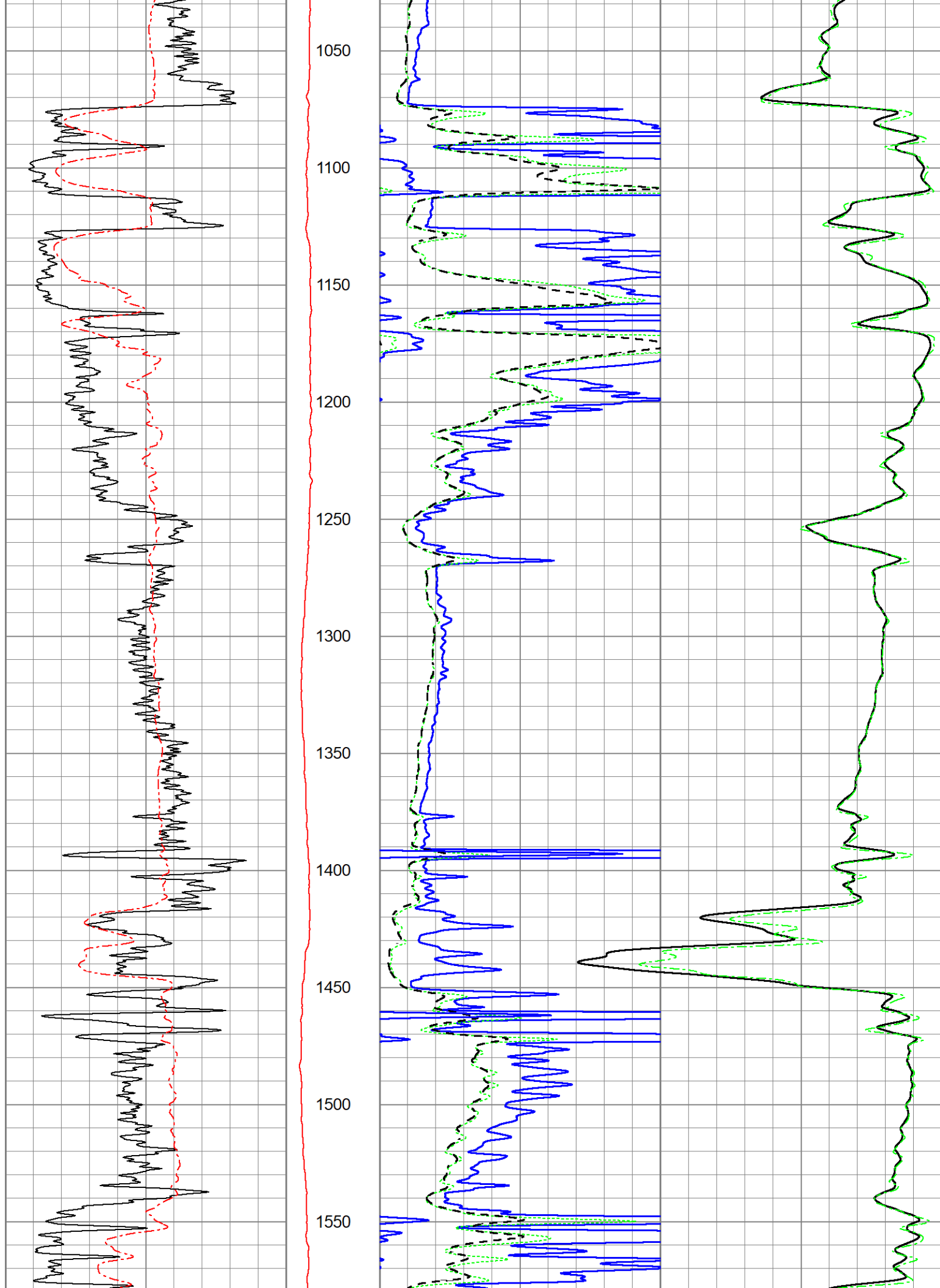
850

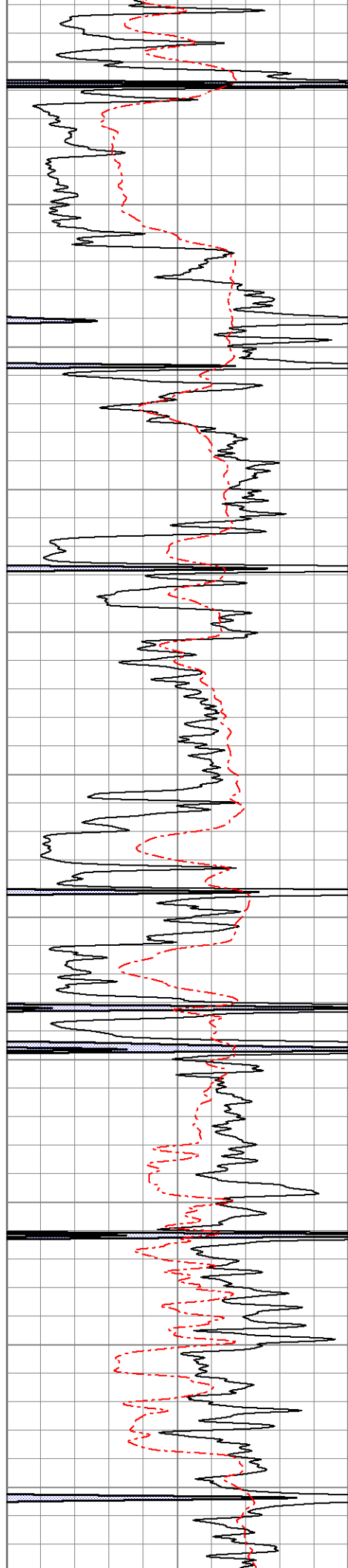
900

950

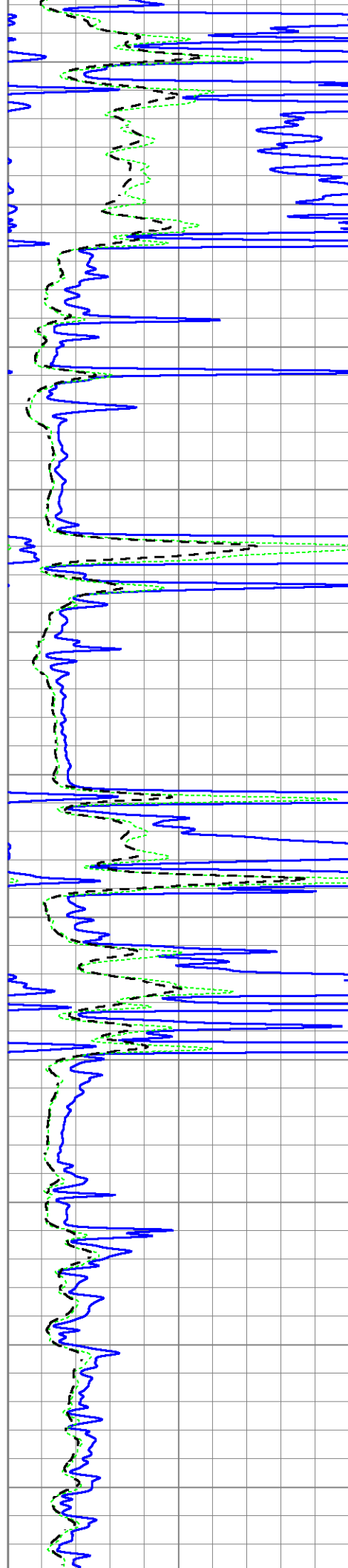
1000

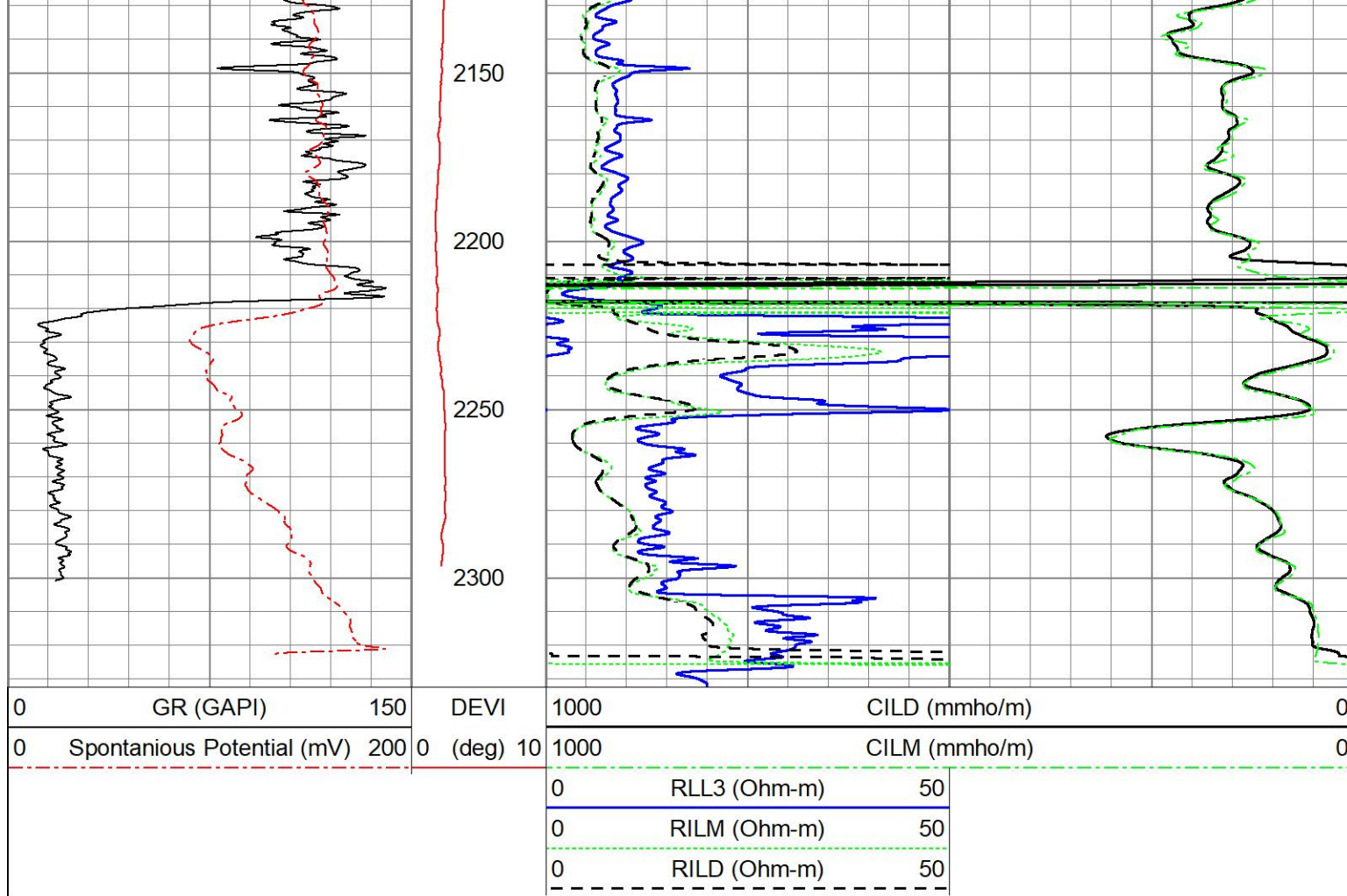






1600
1650
1700
1750
1800
1850
1900
1950
2000
2050
2100

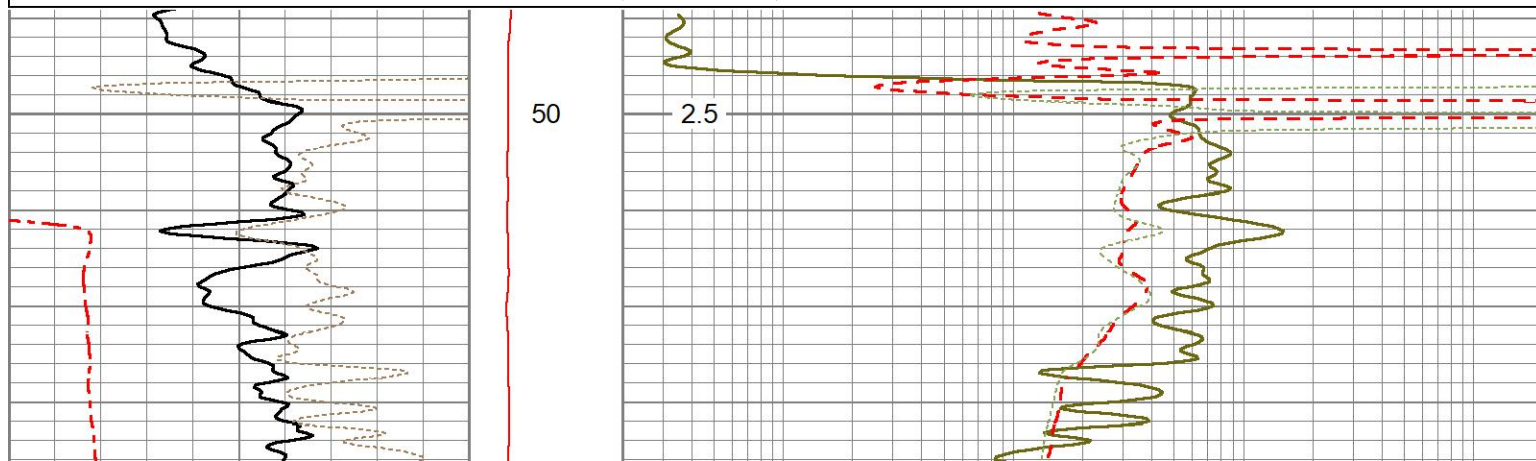


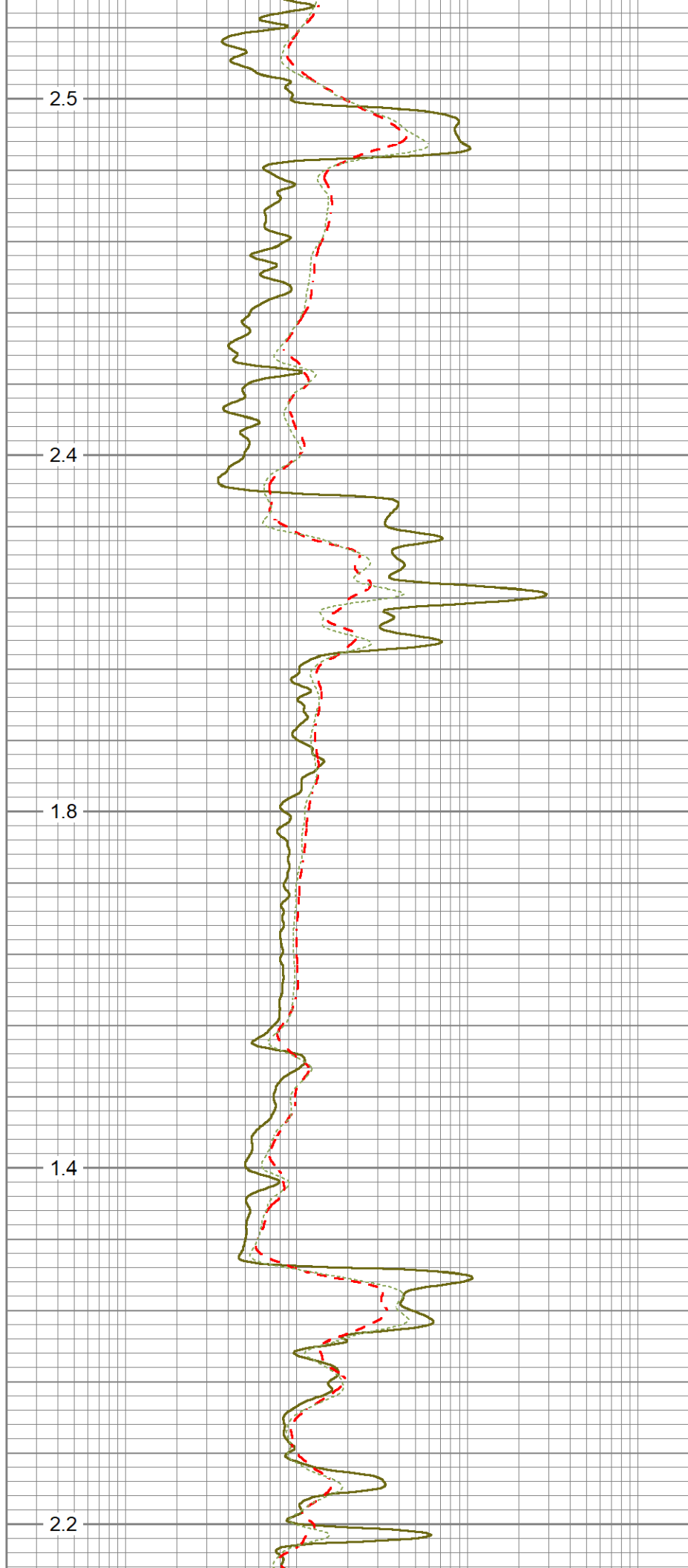
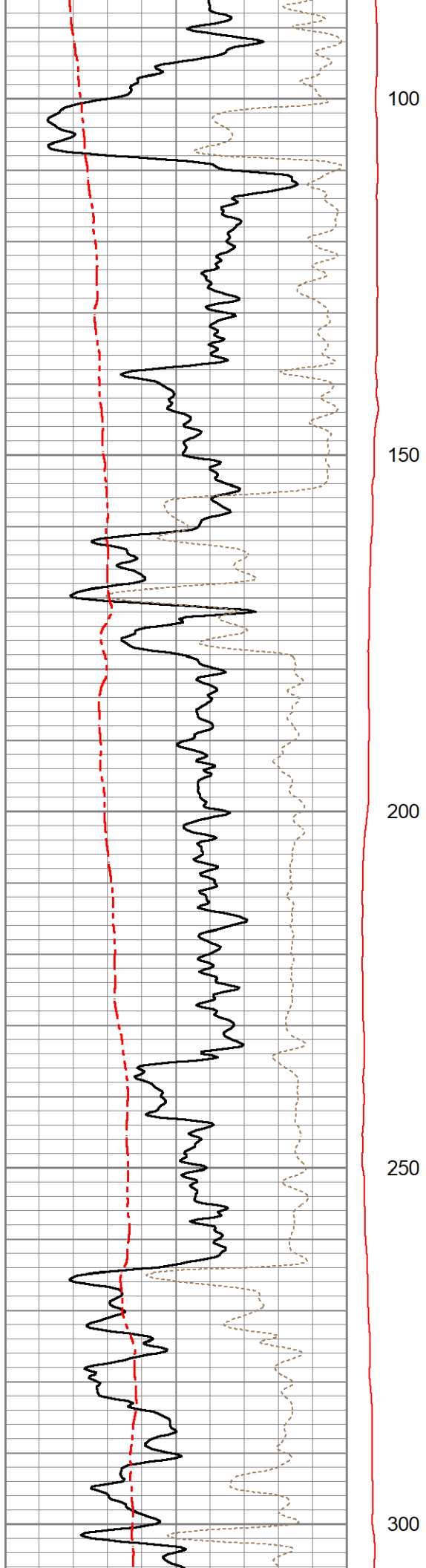


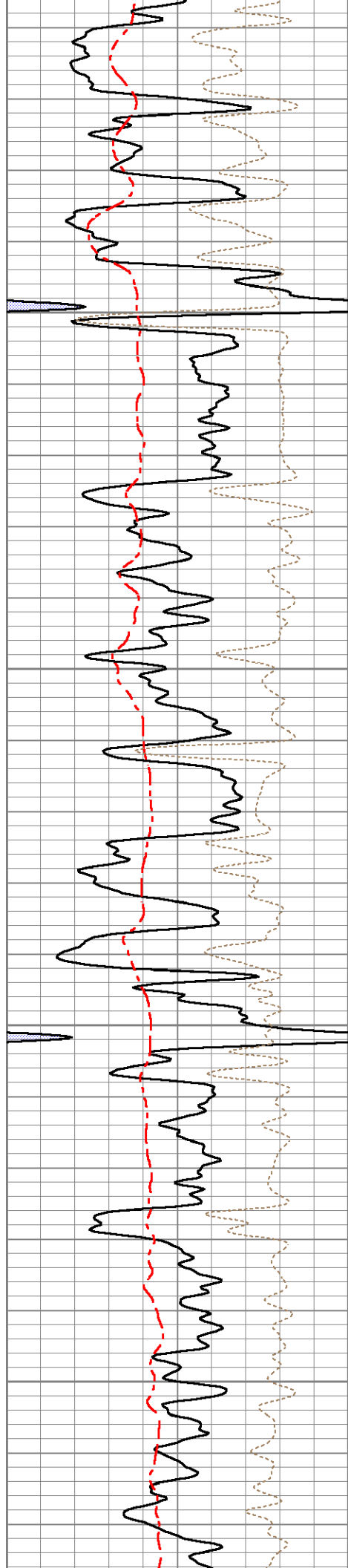
5" DUAL INDUCTION LOG

Database File ow2-9035 lone wolf.db
Dataset Pathname pass2.3
Presentation Format mmdil5
Dataset Creation Wed Mar 30 21:20:03 2022
Charted by Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150	DEVI	0.2	Shallow Resistivity (Ohm-m)	2000
0	Spontaneous Potential (mV)	200	0 (deg)	10	Deep Resistivity (Ohm-m)	2000
-160	RxoIRt	40			Medium Resistivity (Ohm-m)	2000
				DEVI (deg)		





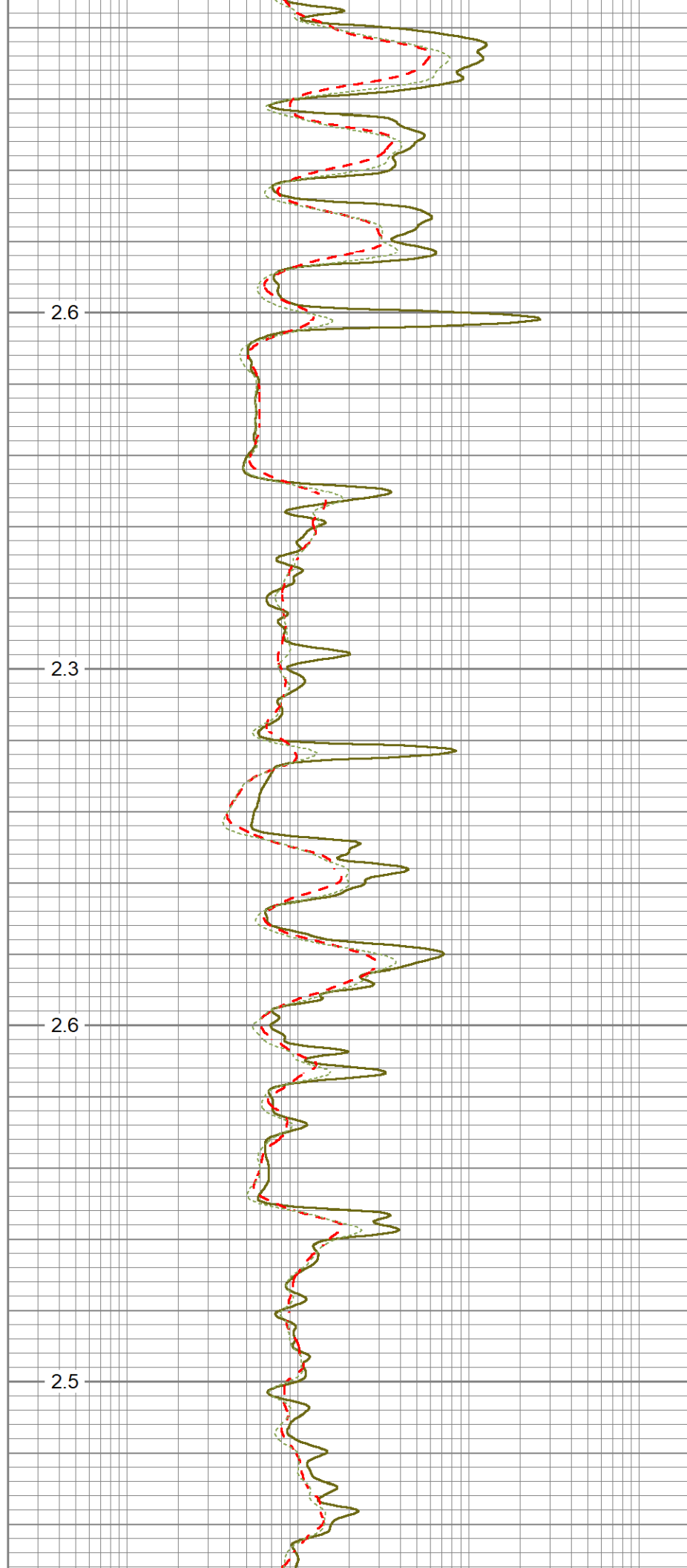


350

400

450

500

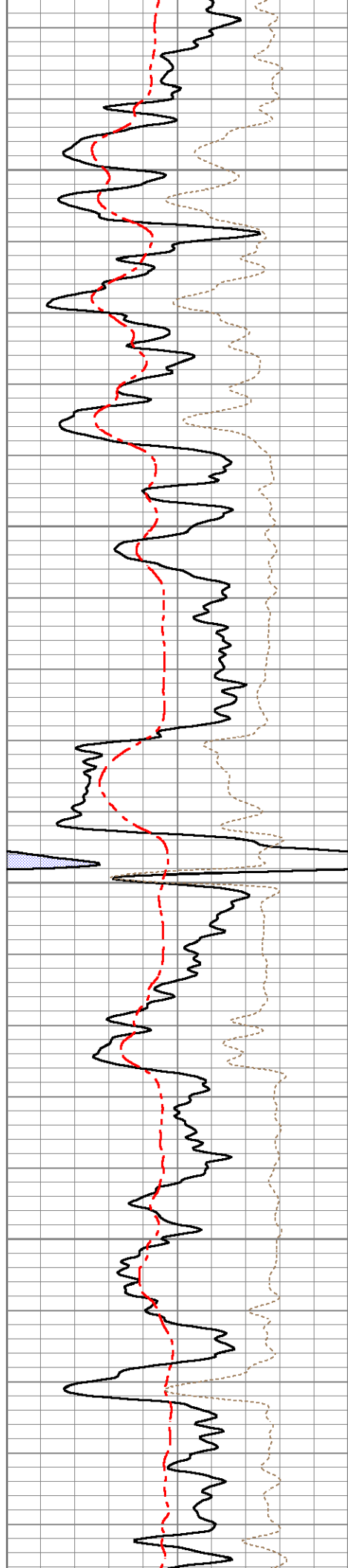


2.6

2.3

2.6

2.5



550

600

650

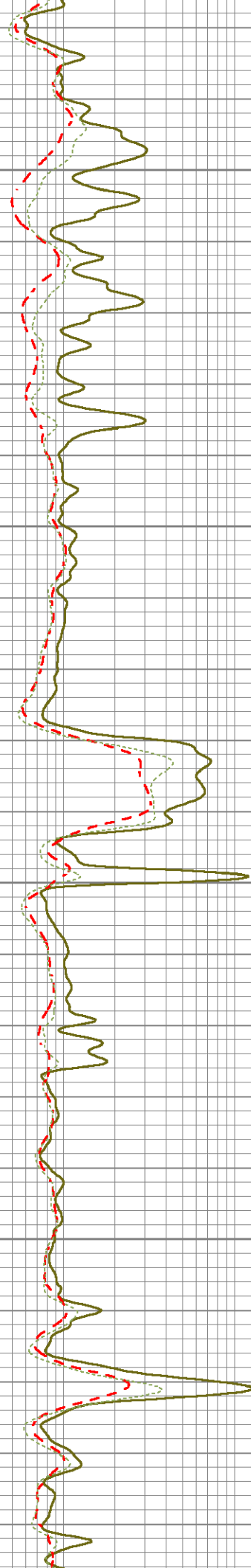
700

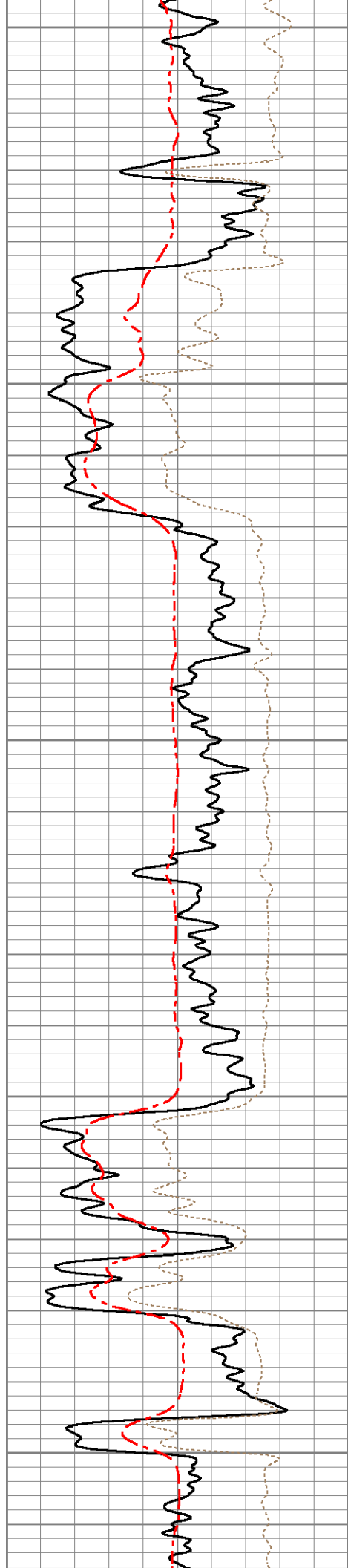
2.1

2.5

2.3

2.3





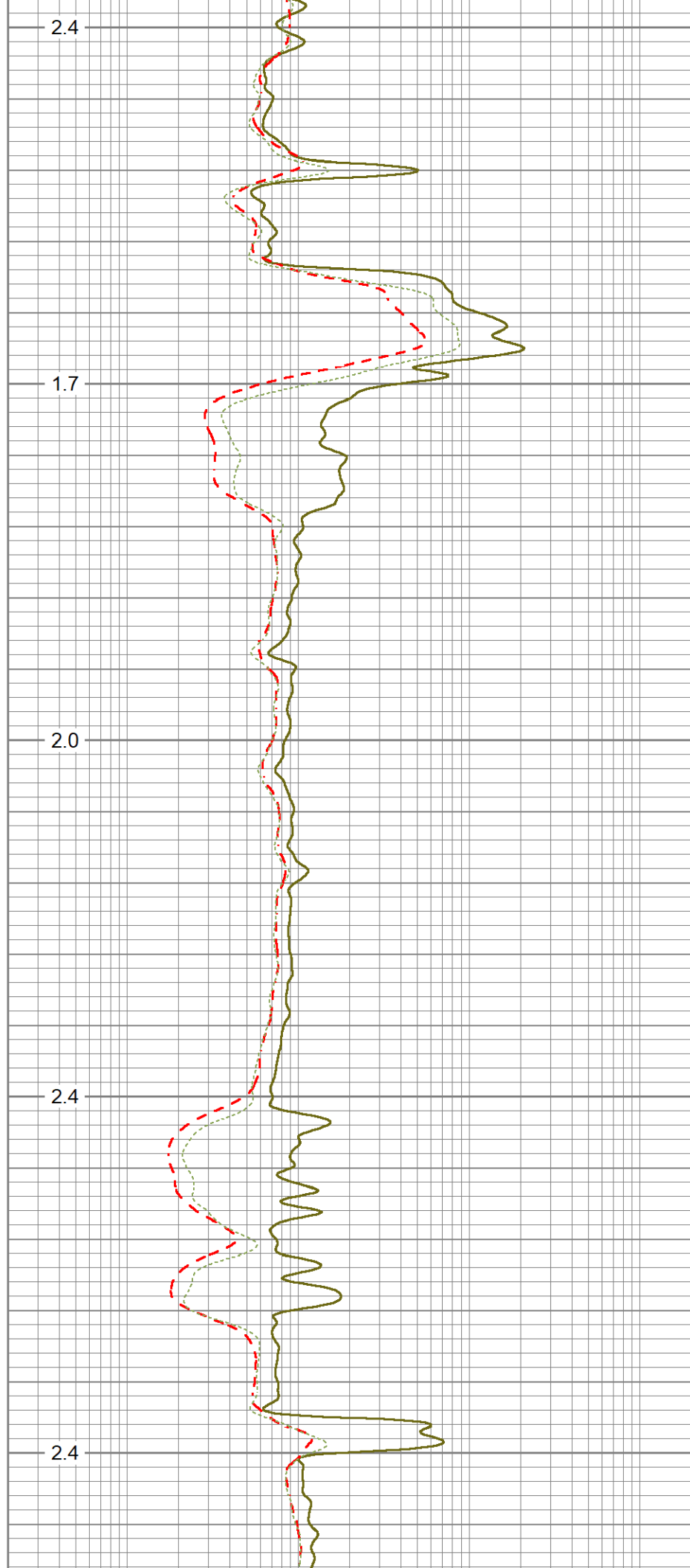
750

800

850

900

950



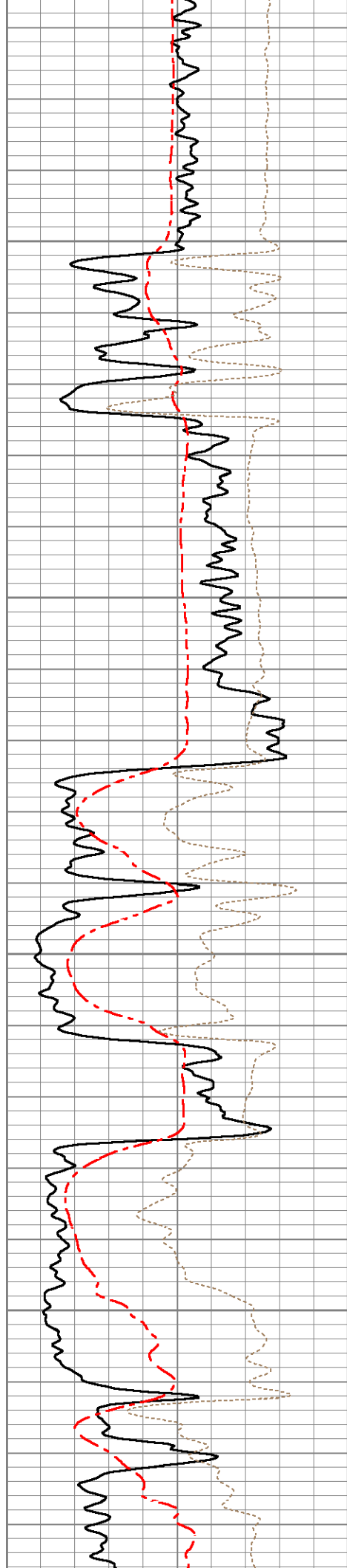
2.4

1.7

2.0

2.4

2.4

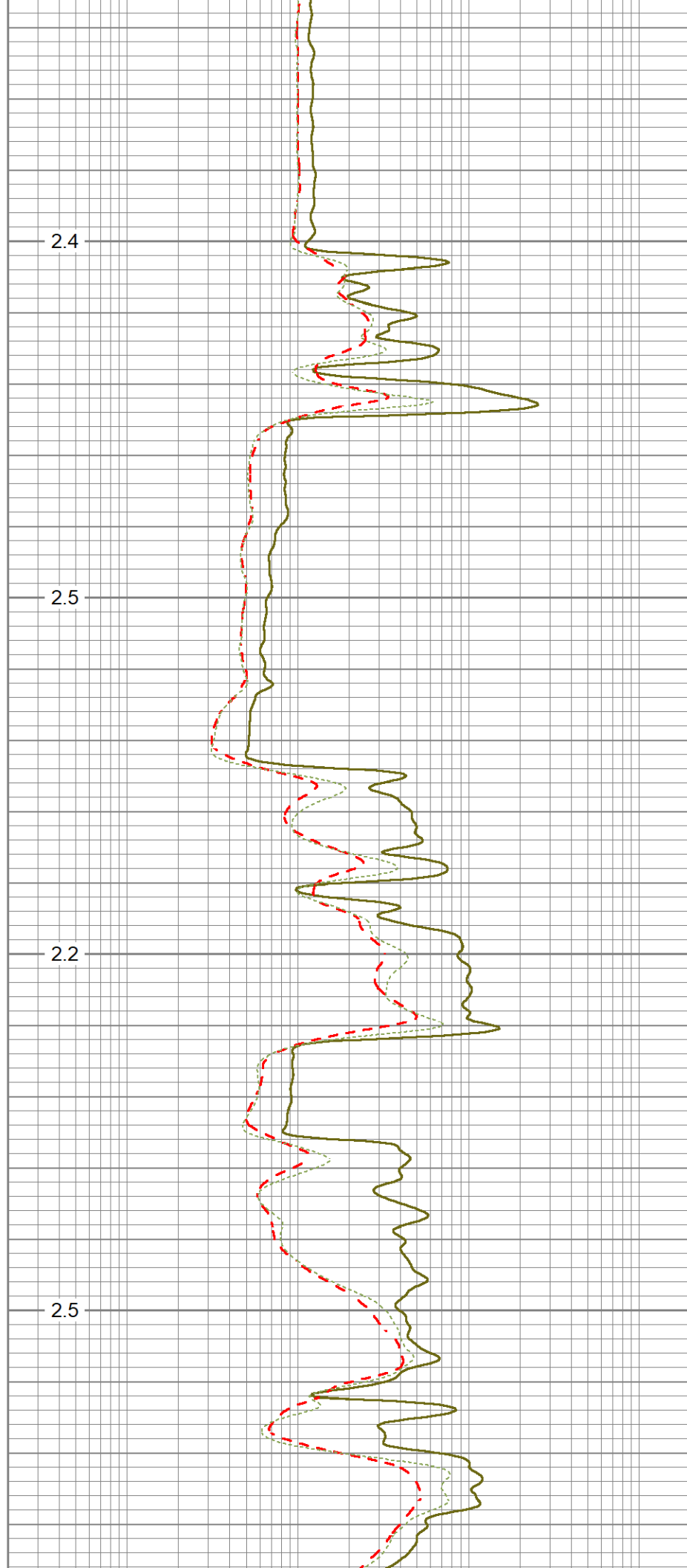


1000

1050

1100

1150

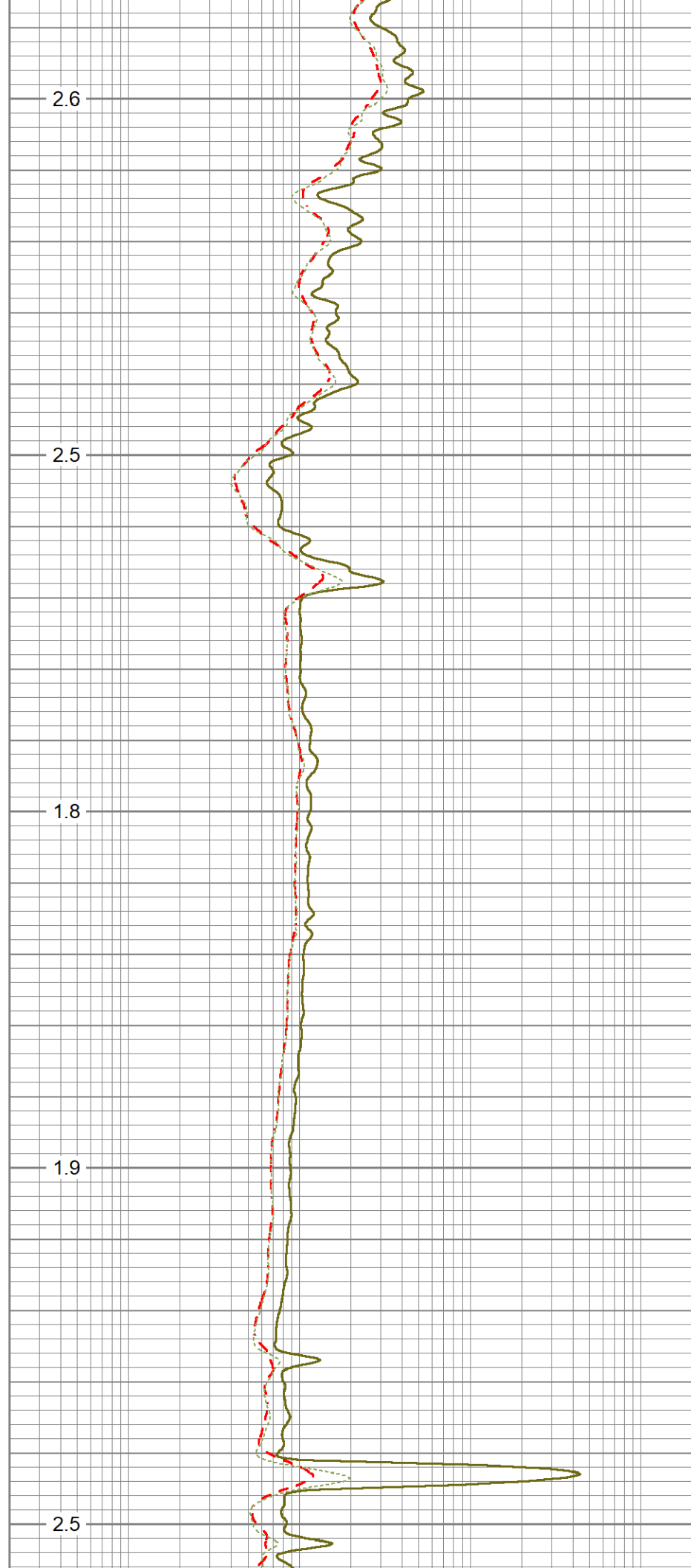
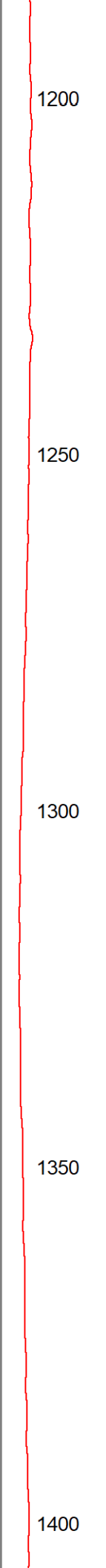
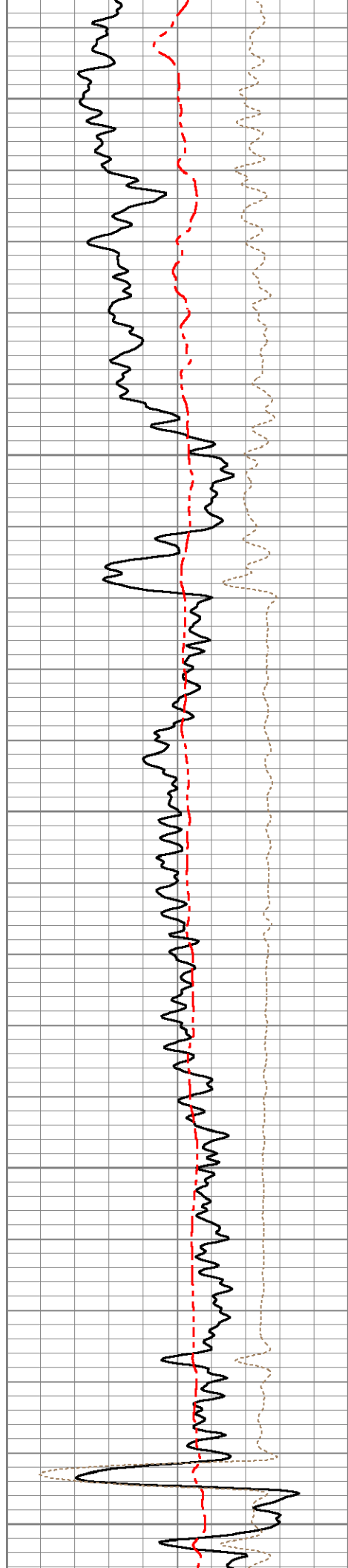


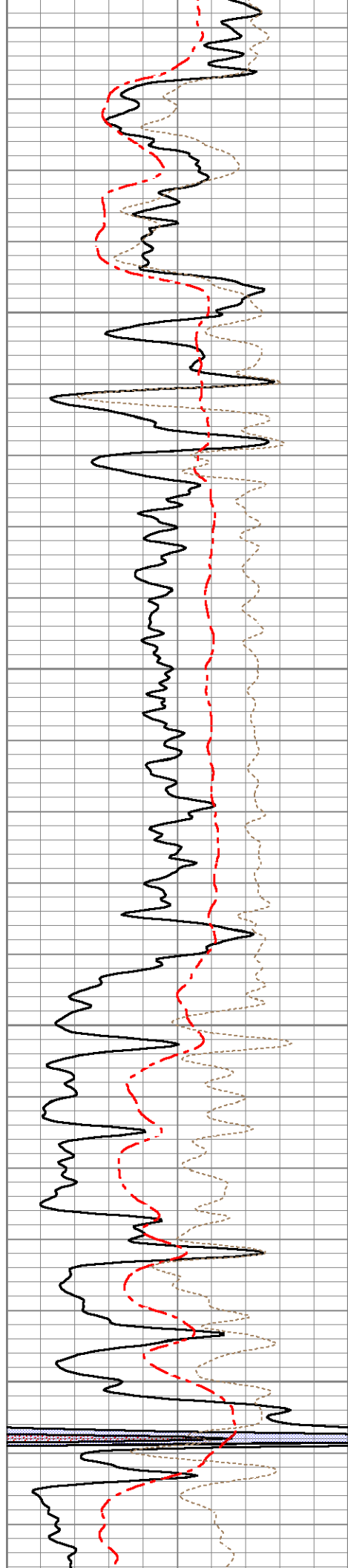
2.4

2.5

2.2

2.5



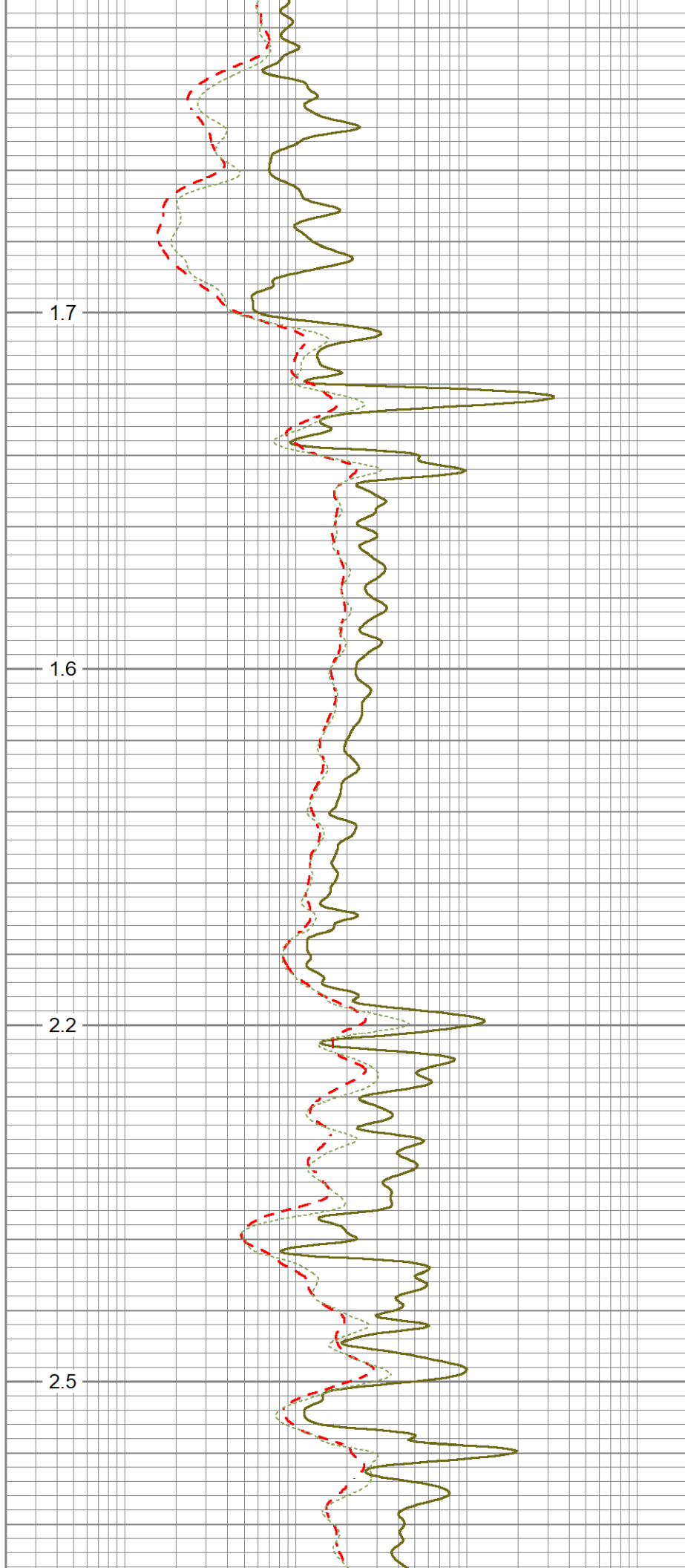


1450

1500

1550

1600

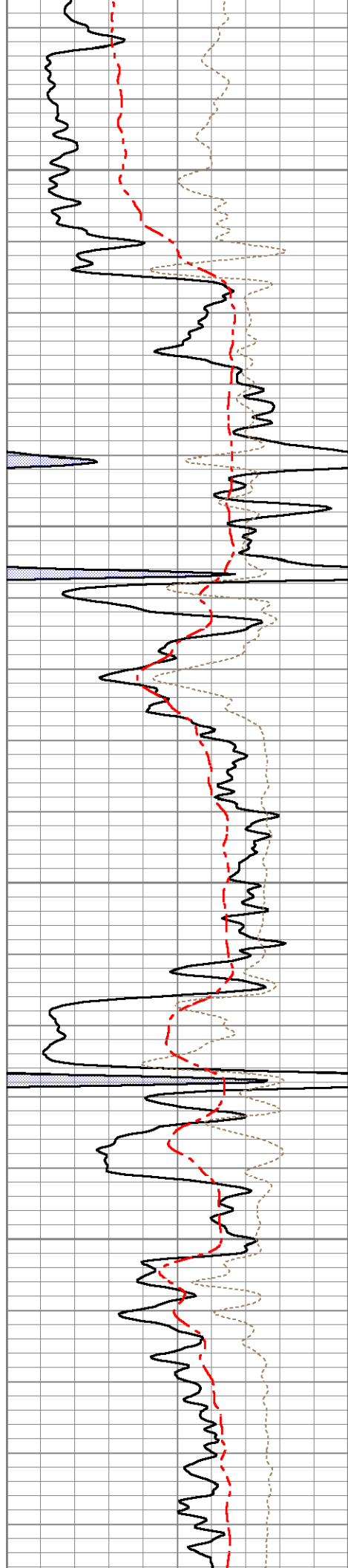


1.7

1.6

2.2

2.5



1650

1700

1750

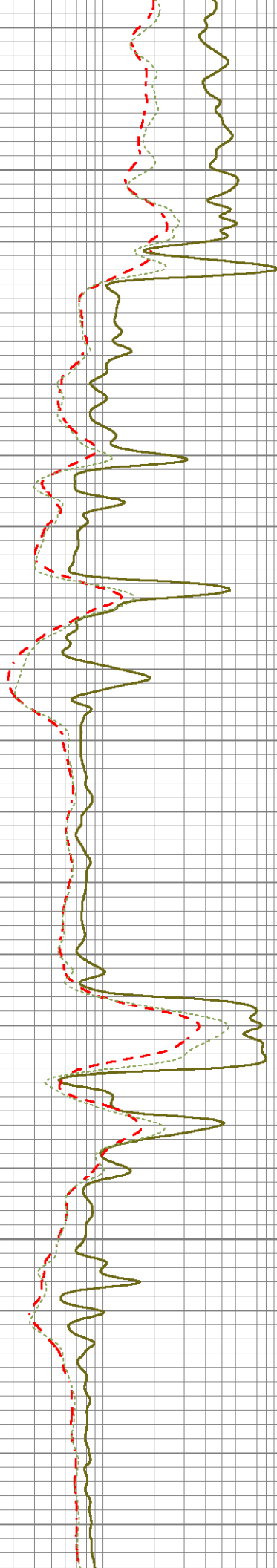
1800

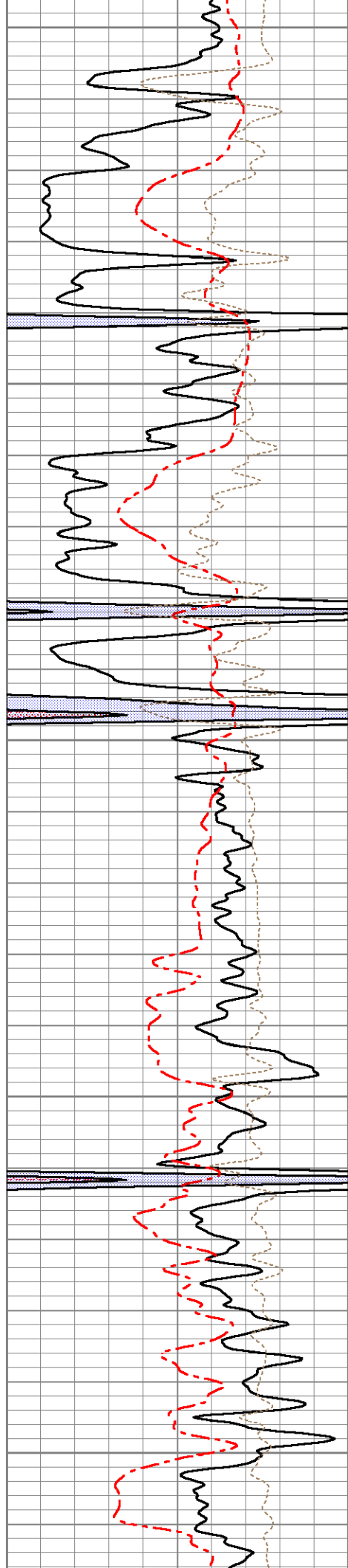
2.8

2.9

2.8

2.6





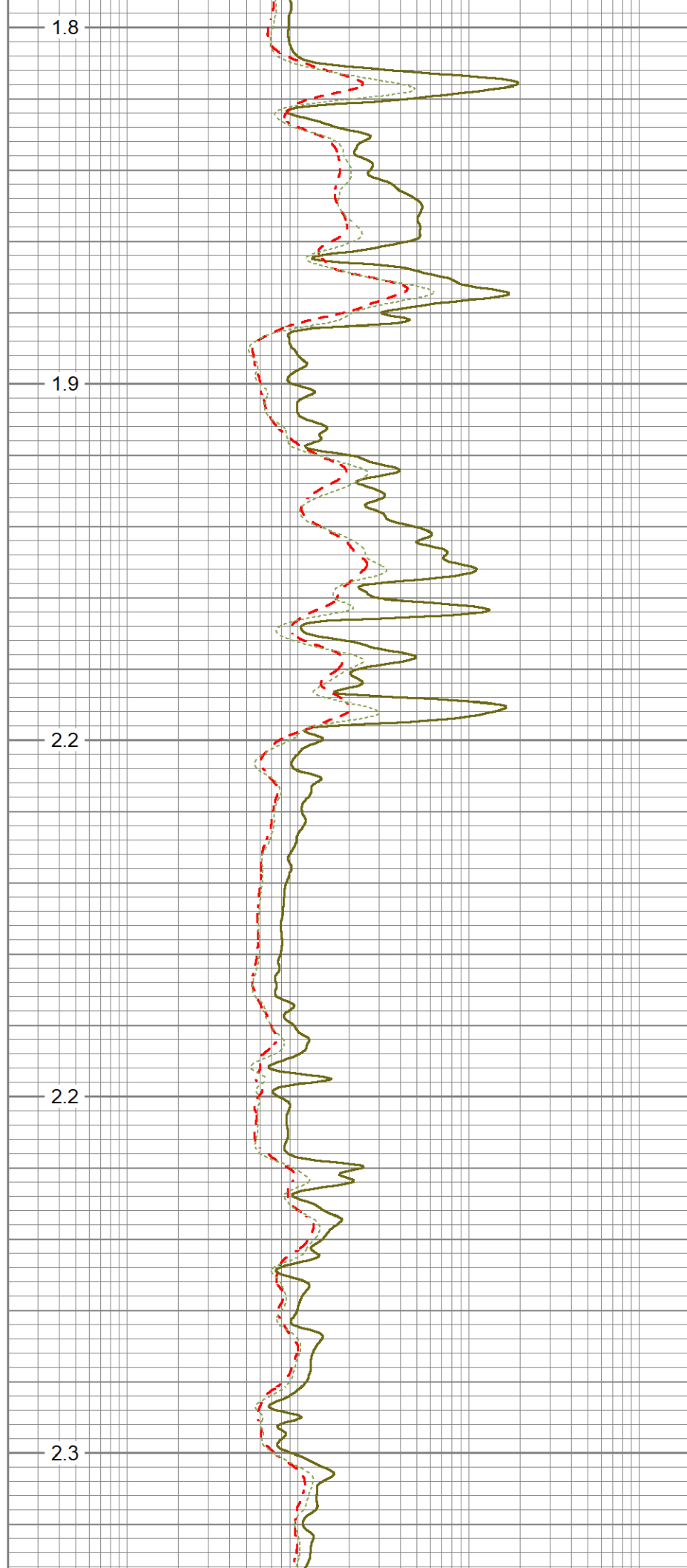
1850

1900

1950

2000

2050



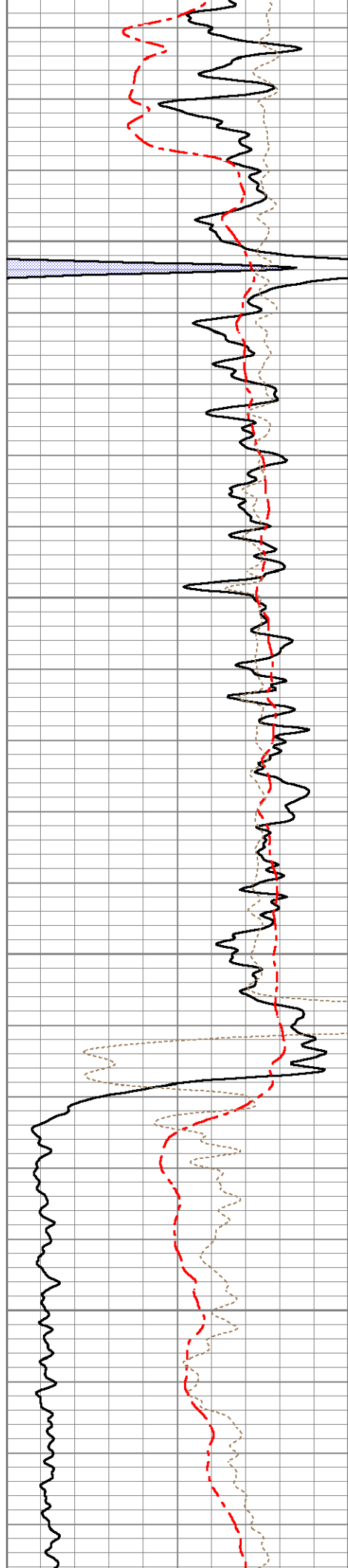
1.8

1.9

2.2

2.2

2.3

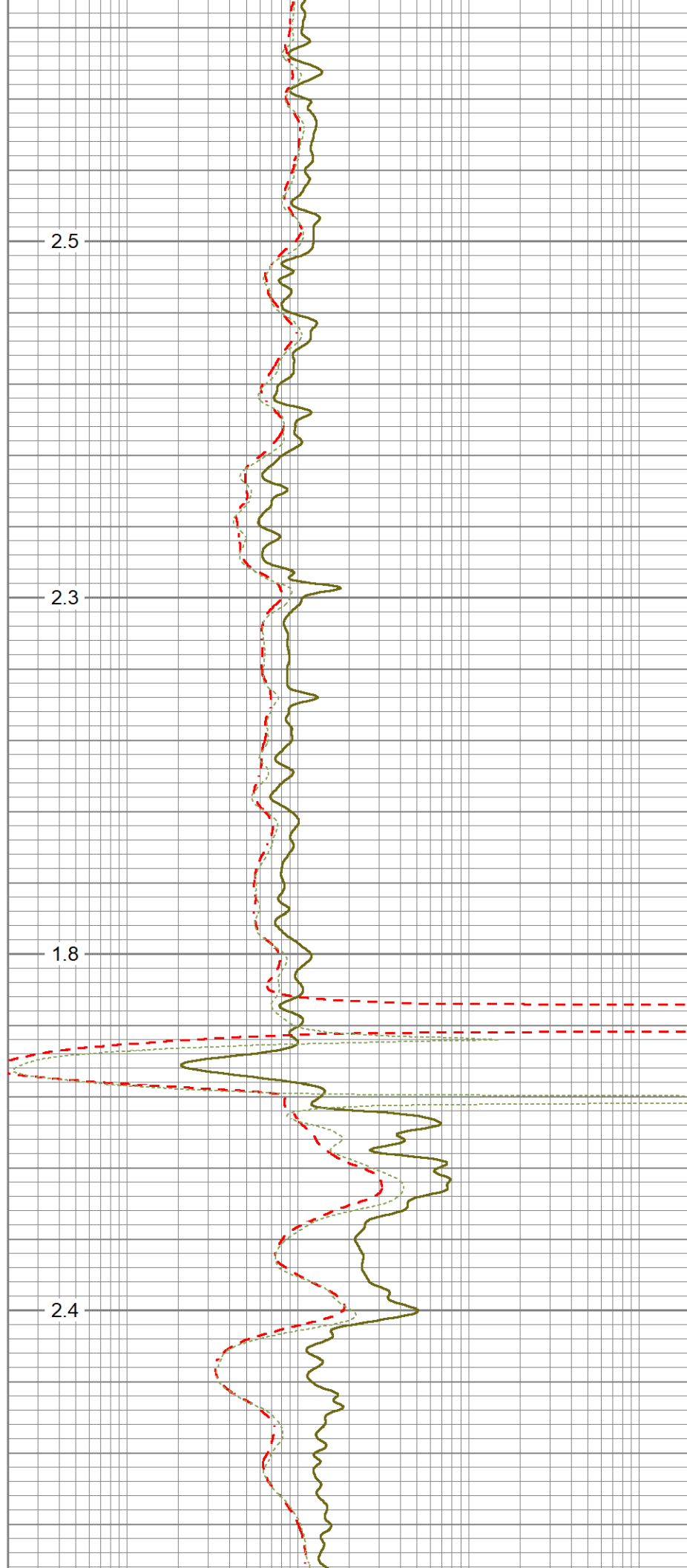


2100

2150

2200

2250

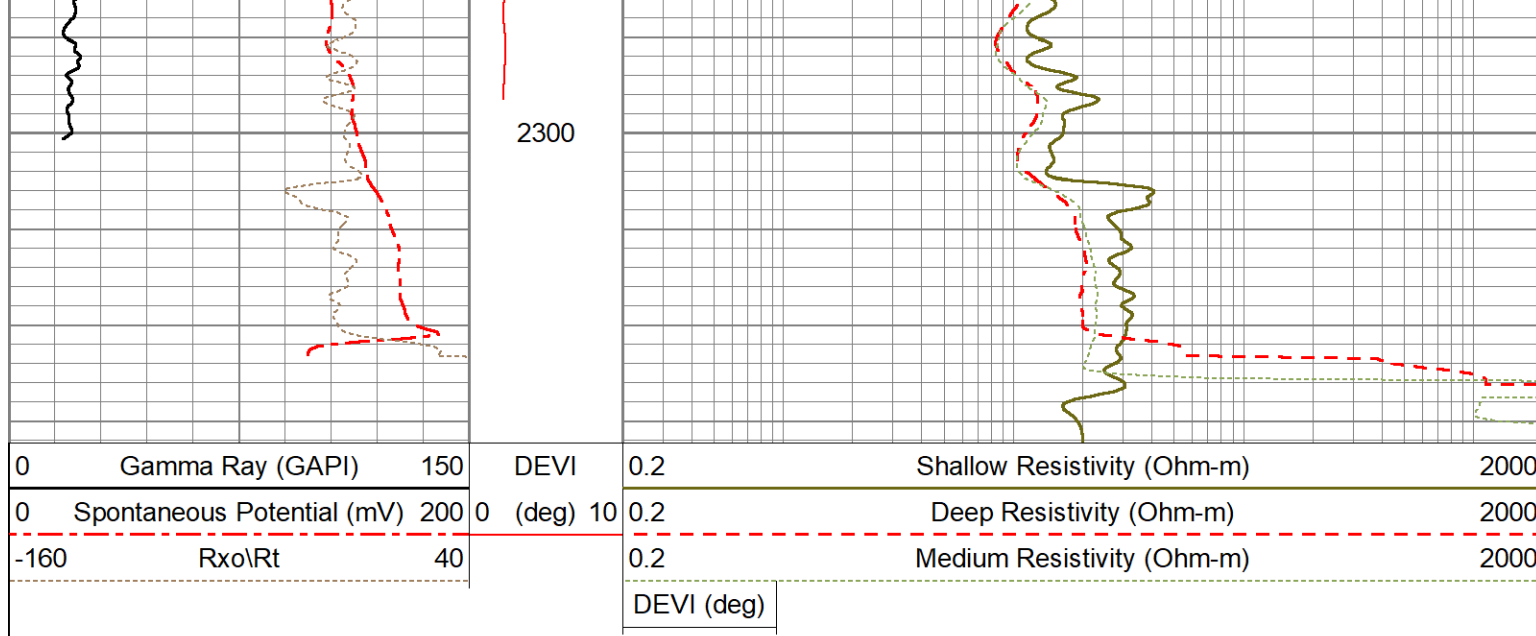


2.5

2.3

1.8

2.4



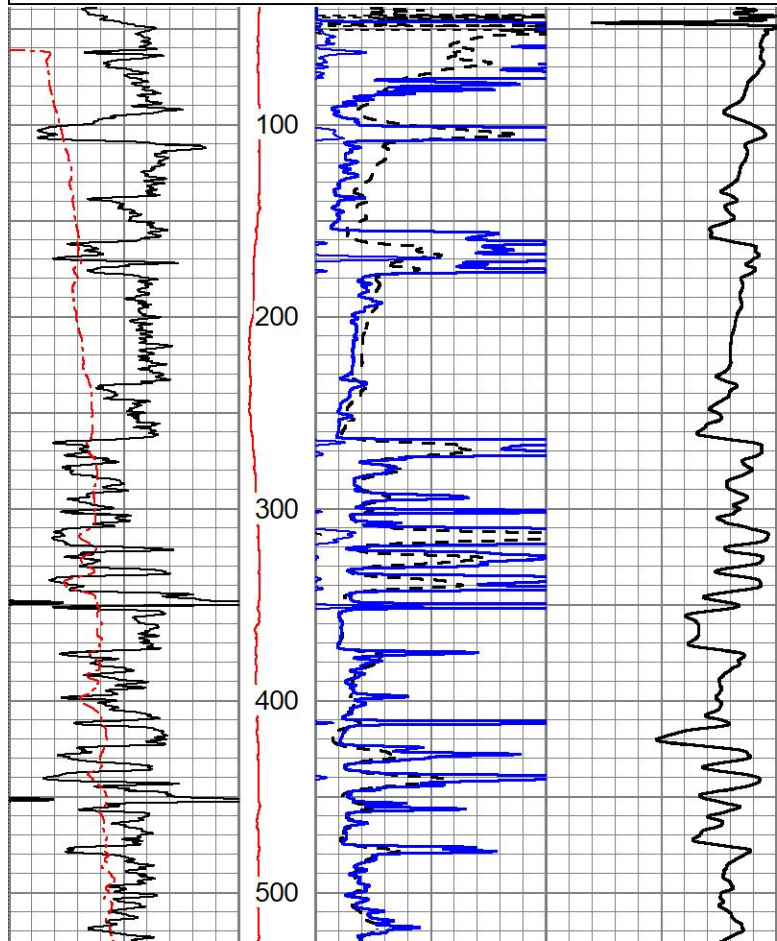
Calibration Report									
Database File	ow2-9035 lone wolf.db								
Dataset Pathname	pass2								
Dataset Creation	Wed Mar 30 20:32:54 2022								
Dual Induction Calibration Report									
Serial-Model:					5375-G				
Surface Cal Performed:					Sun Mar 20 17:25:38 2022				
Downhole Cal Performed:					Tue Nov 17 10:50:14 2020				
After Survey Verification Performed:					Tue Nov 17 10:50:14 2020				
Surface Calibration									
Readings				References			Results		
Loop:	Air	Loop		Air	Loop		m	b	
Deep	0.007	0.642	V	16.000	380.000	mmho/m	573.346	12.032	
Medium	0.010	0.728	V	-13.000	430.000	mmho/m	616.358	-18.970	
Internal:	Zero	Cal		Zero	Cal		m	b	
Deep	0.007	0.642	V	0.000	350.000	mmho/m	550.717	-3.768	
Medium	0.010	0.729	V	0.000	550.000	mmho/m	764.510	-7.354	
Downhole Calibration									
Readings				References			Results		
	Zero	Cal		Zero	Cal		m'	b'	
Deep	-2.869	354.028	mmho/m	-0.044	350.323	mmho/m	0.982	2.773	
Medium	-3.741	414.629	mmho/m	-0.037	400.340	mmho/m	0.957	3.543	
LL3		9.500	V		2000.000	Ohm-m			
		0.000	V		20.000	Ohm-m			
		-9.500	V		5000.000	mmho-m			
After Survey Verification									
Readings				Targets			Results		
	Zero	Cal		Zero	Cal		m'	b'	
Deep	0.000	0.000	mmho/m	-2.869	354.028	mmho/m	1.000	0.000	
Medium	0.000	0.000	mmho/m	-3.741	414.629	mmho/m	1.000	0.000	
LL3		0.000	Ohm-m		2.000	Ohm-m			
		0.000	Ohm-m		500.000	Ohm-m			
		0.000	mmho-m		1.000	mmho-m			

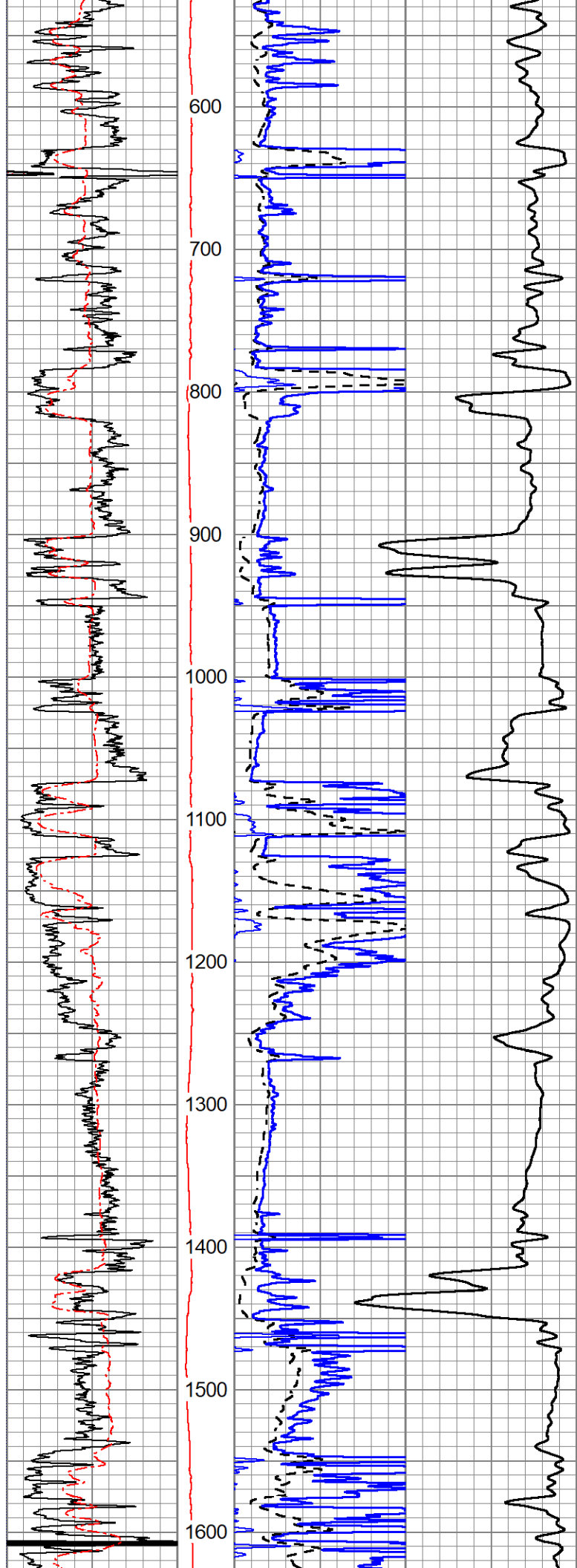
Microlog Calibration Report								
Serial-Model: Performed:			01-Osage Sat Mar 12 10:36:52 2022					
	Readings			References			Results	
	Zero	Cal		Zero	Cal		m	b
Normal	0.0000	0.1000	V	0.0000	10.0000	Ohm-m	100.0000	0.0000
Inverse	0.0000	0.1000	V	0.0000	10.0000	Ohm-m	100.0000	0.0000
Caliper	0.3482	9.1366	V	5.4000	20.5000	in	1.7182	4.8017
Inclinometer Calibration Report								
Performed:		Thu Oct 8 13:57:38 2020						
		Low Read.	High Read.		Low Ref.	High Ref.		
X Accelerometer		205.00	1843.00		-1.00	1.00	gee	
Y Accelerometer		205.00	1843.00		-1.00	1.00	gee	
Z Accelerometer							gee	
Gamma Ray Calibration Report								
Serial Number:		Refurb01						
Tool Model:		OSAGE_01						
Performed:		Mon Jan 18 09:02:16 2021						
Calibrator Value:		150.0		GAPI				
Background Reading:		125.0		cps				
Calibrator Reading:		875.0		cps				
Sensitivity:		0.2000		GAPI/cps				

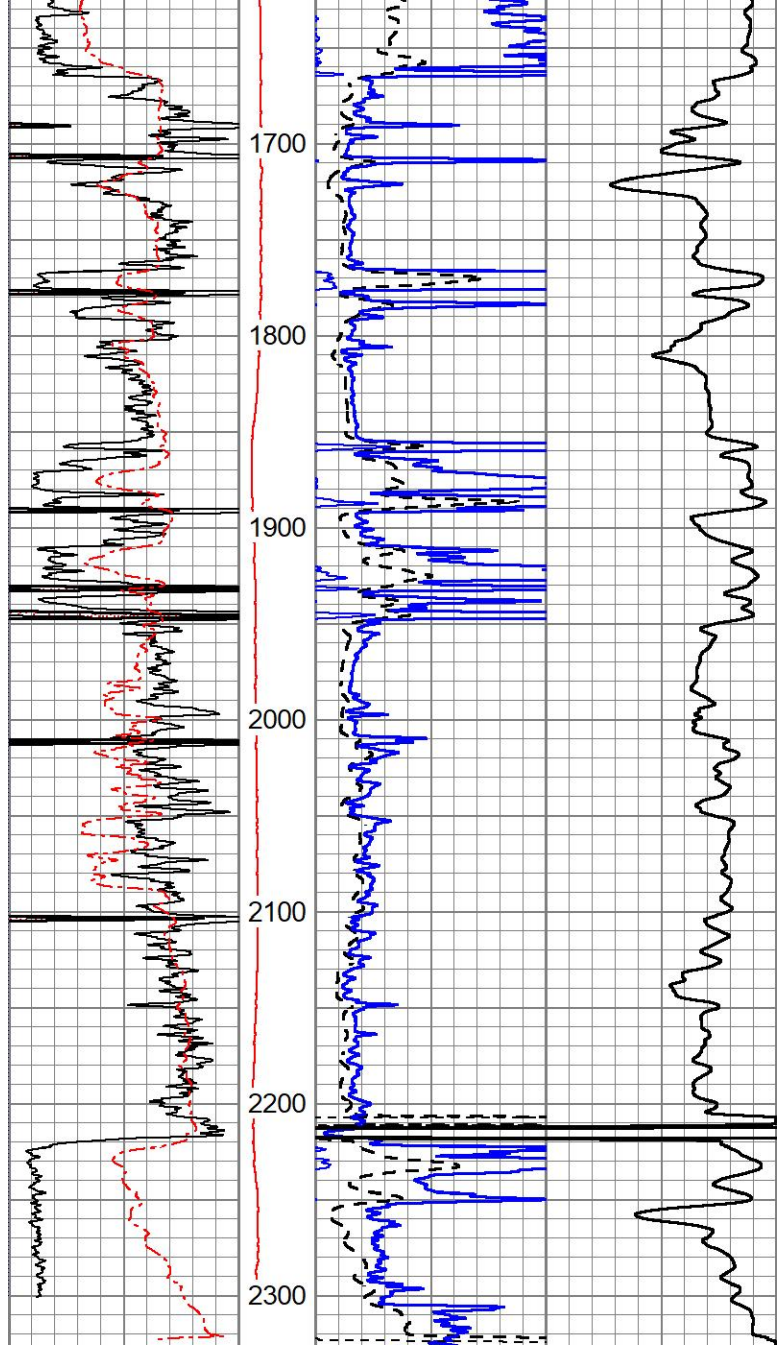
Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
ACCY	31.04		ADMYR_TELEMETRY-OSAGE_01 (Refurb01) Admyr Telemetry With Gr, Deviation, ADC board and Pulses Board in it.	3.69	3.25	53.00
ACCX	31.04					
GR	29.86					
FRAMES	28.54					
SSTAT	28.54					
PSTAT	28.54		MICRO_DIG-Osage (01) Digital Microlog	7.21	5.13	137.00
ASTAT	28.54					
MI	23.00					
MN	23.00					
MCAL	22.00					
ASTAT2	21.33					
SP	10.92		DIL-G (5375) Gearhart	21.33	4.00	290.00

CILD	10.92				
CILM	7.00				
RLL3	1.65				
TR_Mon	0.00				
Dataset: ow2-9035 lone wolf.db: field/well/run1/pass2 Total length: 32.23 ft Total weight: 480.00 lb O.D.: 5.13 in					

 1" INDUCTION LOG					
Database File ow2-9035 lone wolf.db Dataset Pathname pass2.1 Presentation Format mmdil1 Dataset Creation Wed Mar 30 21:19:33 2022 Charted by Depth in Feet scaled 1:1200					
0	GR (GAPI)150	DEVI	1000	CILD (mmho/m)	0
0	SP (mV) 200	(deg)		RILD	
		0 10	0	(Ohm-m) 50	
				RLL3	
			0	(Ohm-m) 50	







0	GR (GAPI) 150	DEVI	1000	CILD (mmho/m)	0
0	SP (mV) 200	(deg)		RILD	
		0 10	0	(Ohm-m) 50	
				RLL3	
			0	(Ohm-m) 50	



1" INDUCTION LOG