

PACIFIC SURVEYS

LATEROLOG 3 GAMMA-RAY

Job No. 16247	Company US GEOLOGICAL SURVEY
Well SDHF	
Field SAN DIEGO	
County SAN DIEGO	State CA
File No.	

Location:
3917 FEDERAL BLVD
GPS: N 32o 43.139' W 117o 06.587'

Sec. _____ Twp. _____ Rge. _____

Other Services:
GRE/LOG
SNC
CALIPER

Permanent Datum	G.L.	Elevation	Elevation
Log Measured From	G.L.	above perm. datum	K.B. D.F. G.L.
Drilling Measured From	G.L.		
Date	11-05-2011		
Run Number	ONE		
Depth Driller	1640'		
Depth Logger	1640'		
Bottom Logged Interval	1640'		
Top Log Interval	0'		
Casing Driller	N/A		
Casing Logger	N/A		
Bit Size	8.75" TO 480'	8.5" TO 990'	7.875" TO 1640'
Type Fluid in Hole	BENTONITE		
Density / Viscosity	N/A		
pH / Fluid Loss	N/A		
Source of Sample	PIT		
Rm @ Meas. Temp	4.8 @ 77F		
Rmf @ Meas. Temp	5.9 @ 77F		
Rmc @ Meas. Temp	N/A		
Source of Rmf / Rmc	MEASURE		
Rm @ BHT	N/A		
Time Circulation Stopped	2.5 HRS		
Time Logger on Bottom	1845		
Max. Recorded Temperature	N/A		
Equipment Number	PS-3		
Location	LA		
Recorded By	SCHUMACHER		
Witnessed By	A. BROWN		

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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

Calibration Report

Database File: 16247.db
 Dataset Pathname: LL3
 Dataset Creation: Sat Nov 05 20:15:47 2011 by Log Open-Cased 090629

Serial Number: 12
 Tool Model: GROH
 Performed: Wed Aug 31 18:41:03 2011

 Calibrator Value: 162.0 GAPI

 Background Reading: 41.2
 Calibrator Reading: 182.5

 Sensitivity: 1.1460 GAPI/

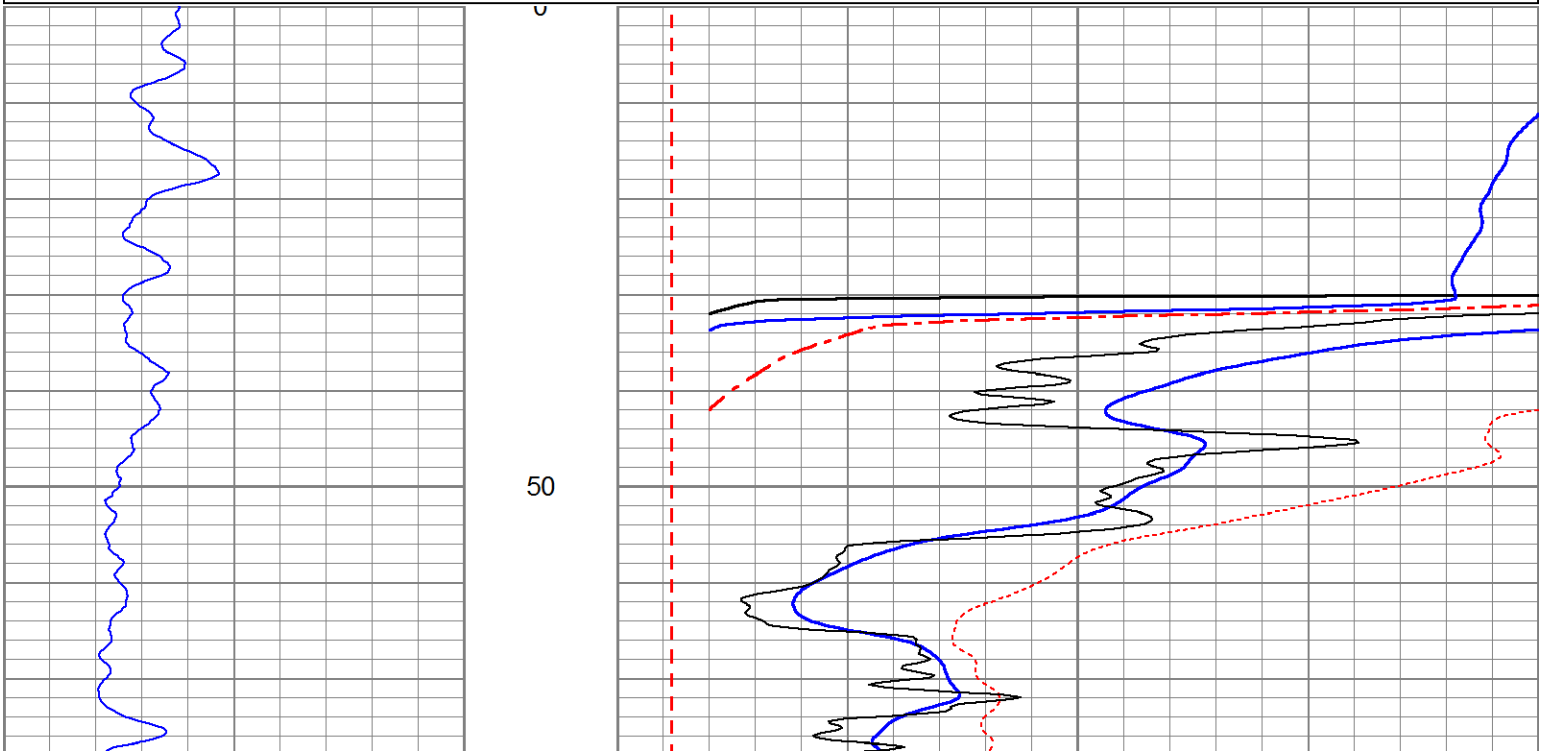
RLL3 (Resistivity Laterolog 3) Calibration Report:

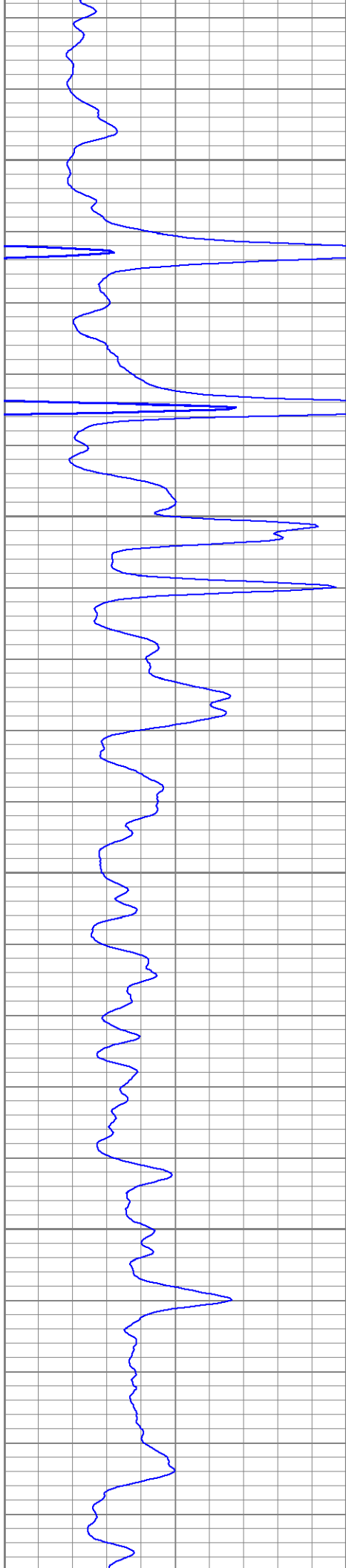
Serial Number: 231
 Tool Model: M&W
 Performed: Wed Aug 31 18:40:12 2011

System Reading	Calibration Reference
0.005	2.500 Ohm-m
0.009	5.000
0.101	50.000
0.535	250.000
0.942	500.000

Database File: 16247.db
 Dataset Pathname: LL3
 Presentation Format: guard
 Dataset Creation: Sat Nov 05 20:15:47 2011 by Log Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

200	GR Back-up (GAPI)	400	0	RSN (Ohm-m)	100
0	Gamma-Ray (GAPI)	200	0	RLN (Ohm-m)	100
			0	RMF (Ohm-m)	100
			0	RLL3 (Ohm-m)	100
			100	RLL3 x 10 (Ohm-m)	1000
			100	RSN x 10 (Ohm-m)	1000
			100	RLN x 10 (Ohm-m)	1000



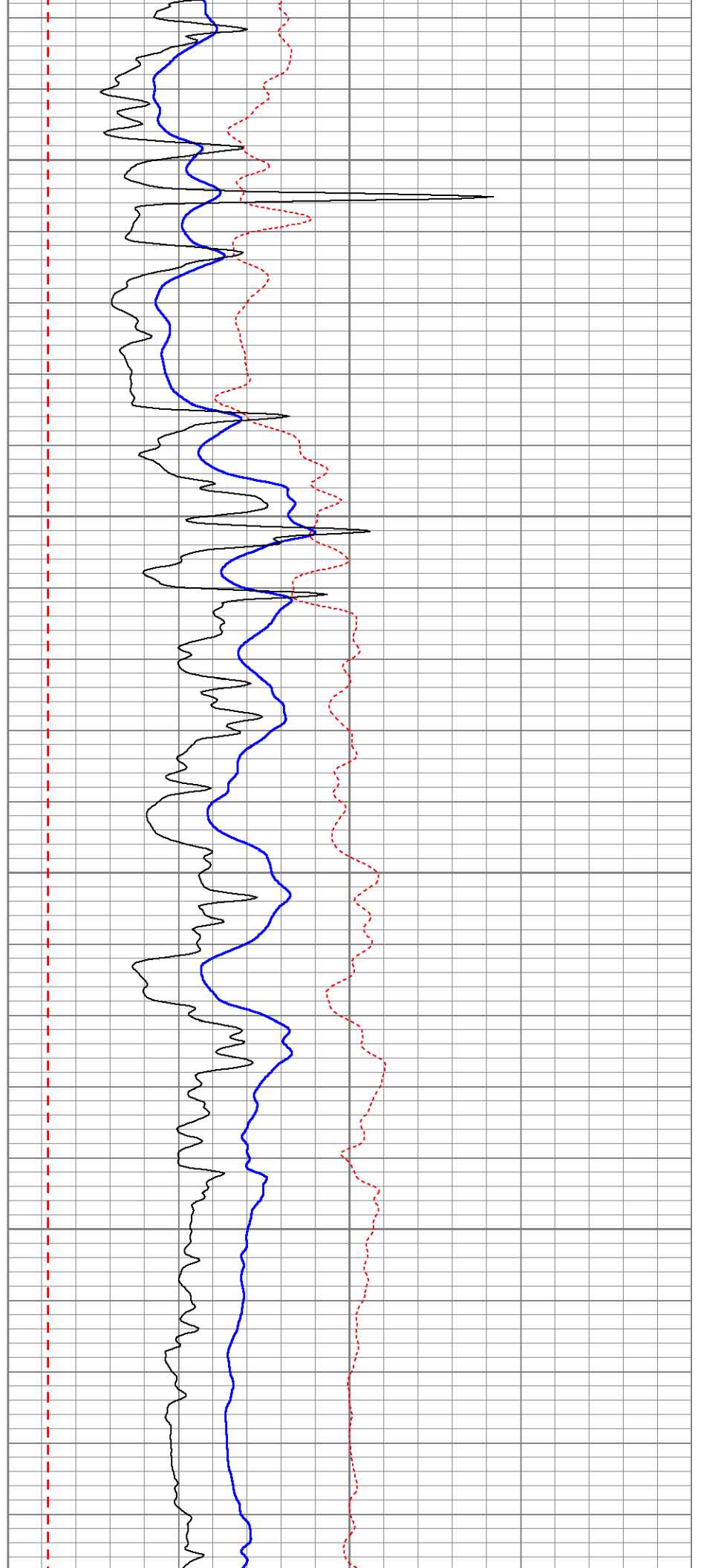


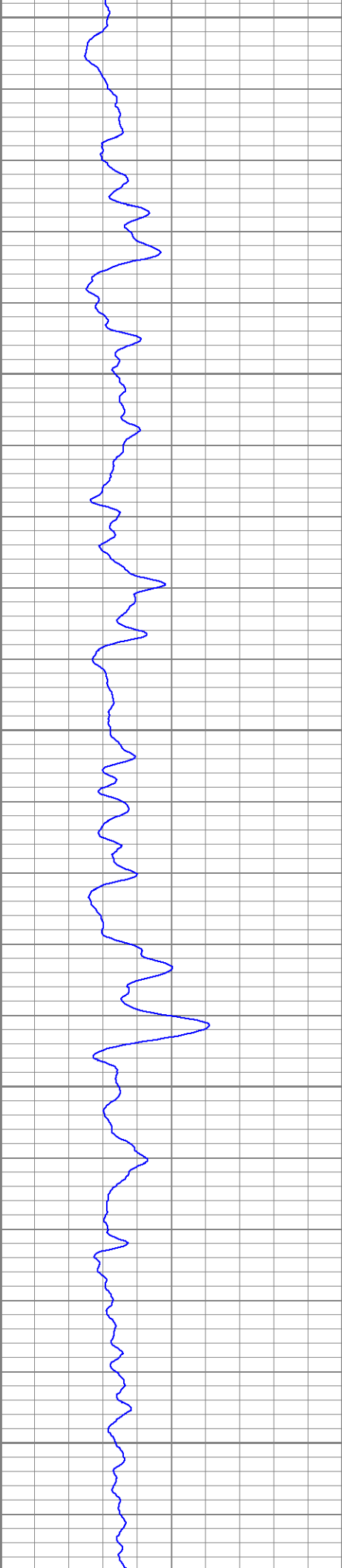
100

150

200

250





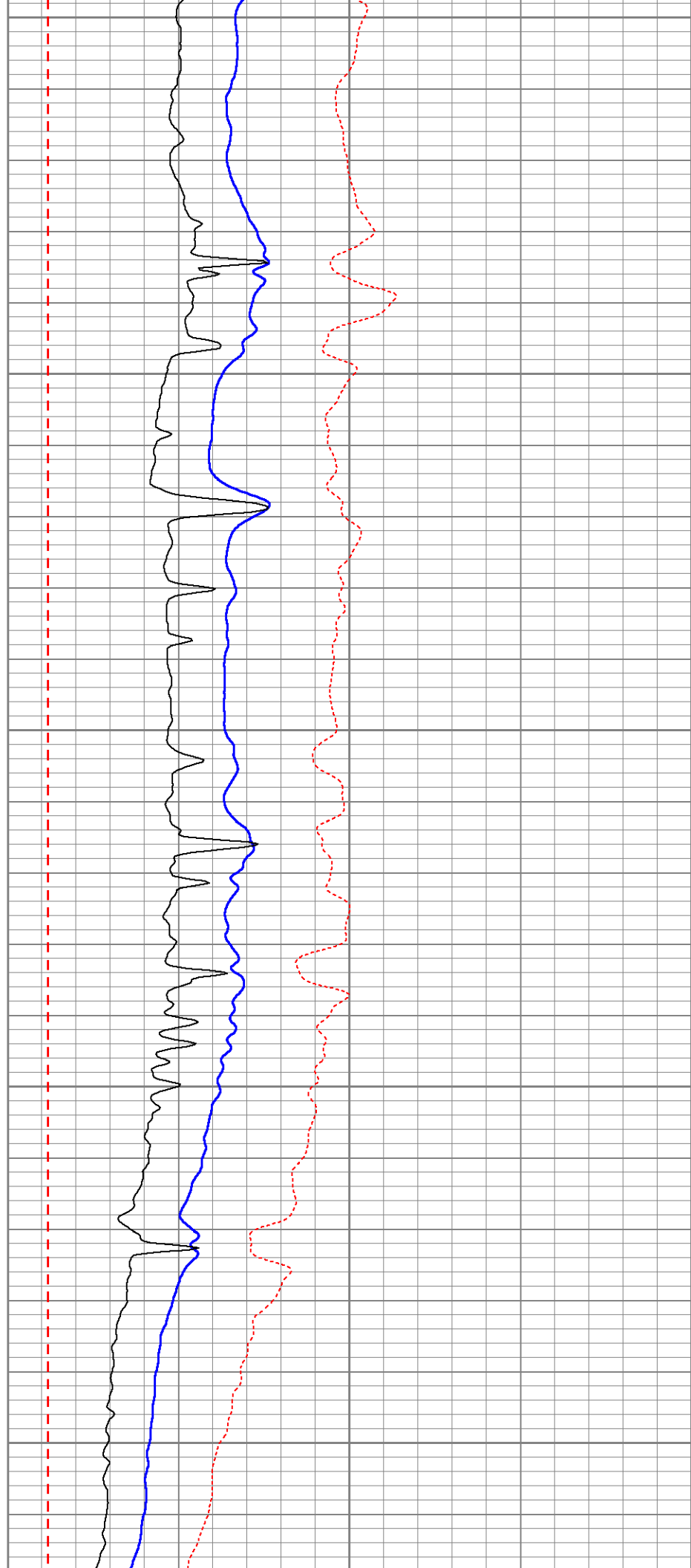
300

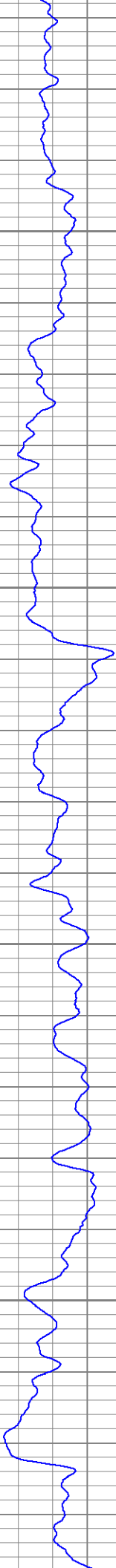
350

400

450

500



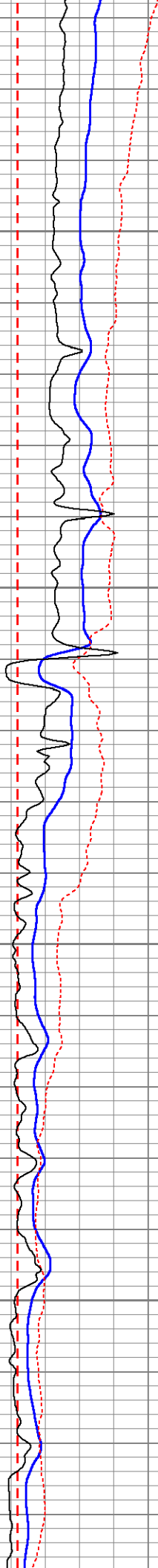


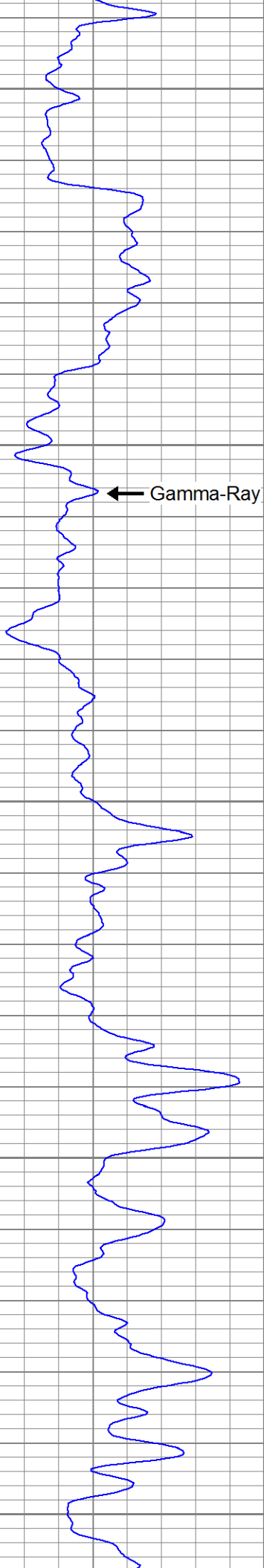
550

600

650

700





← Gamma-Ray

750

RLL3 →

800

← RSN

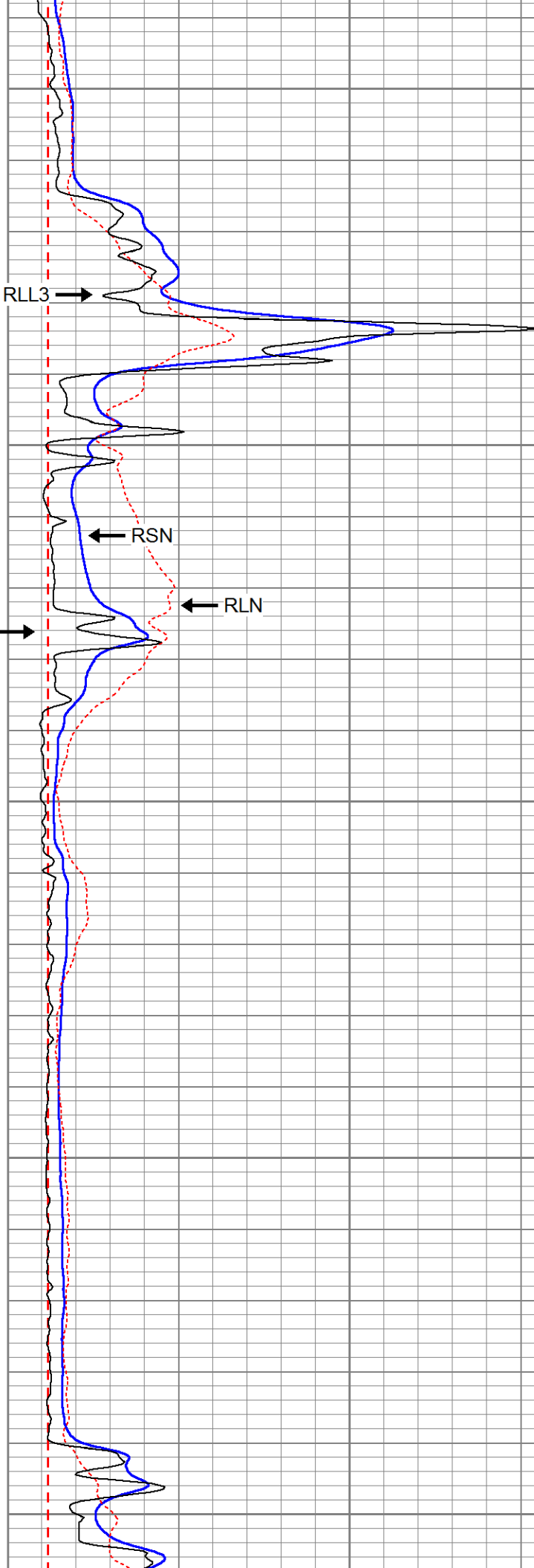
RMF →

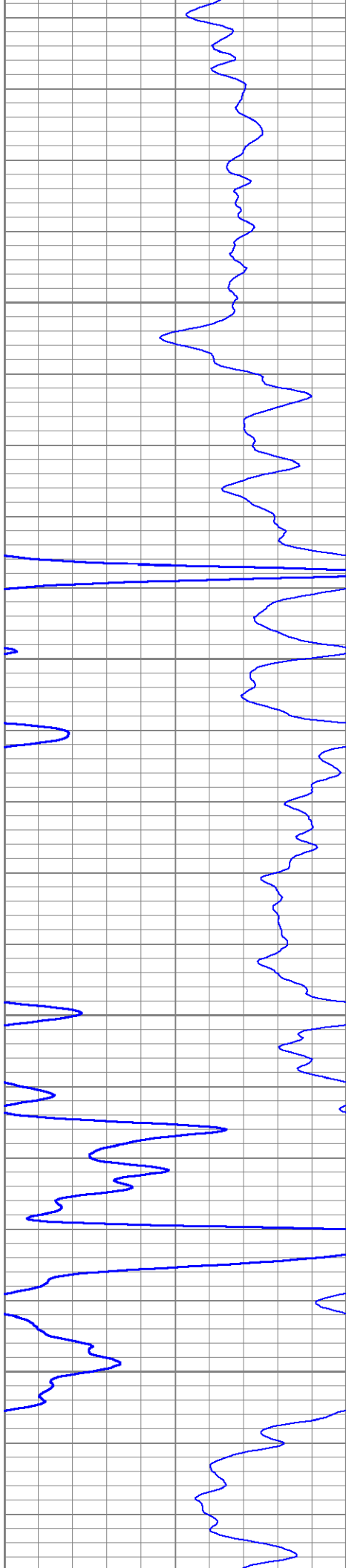
← RLN

850

900

950



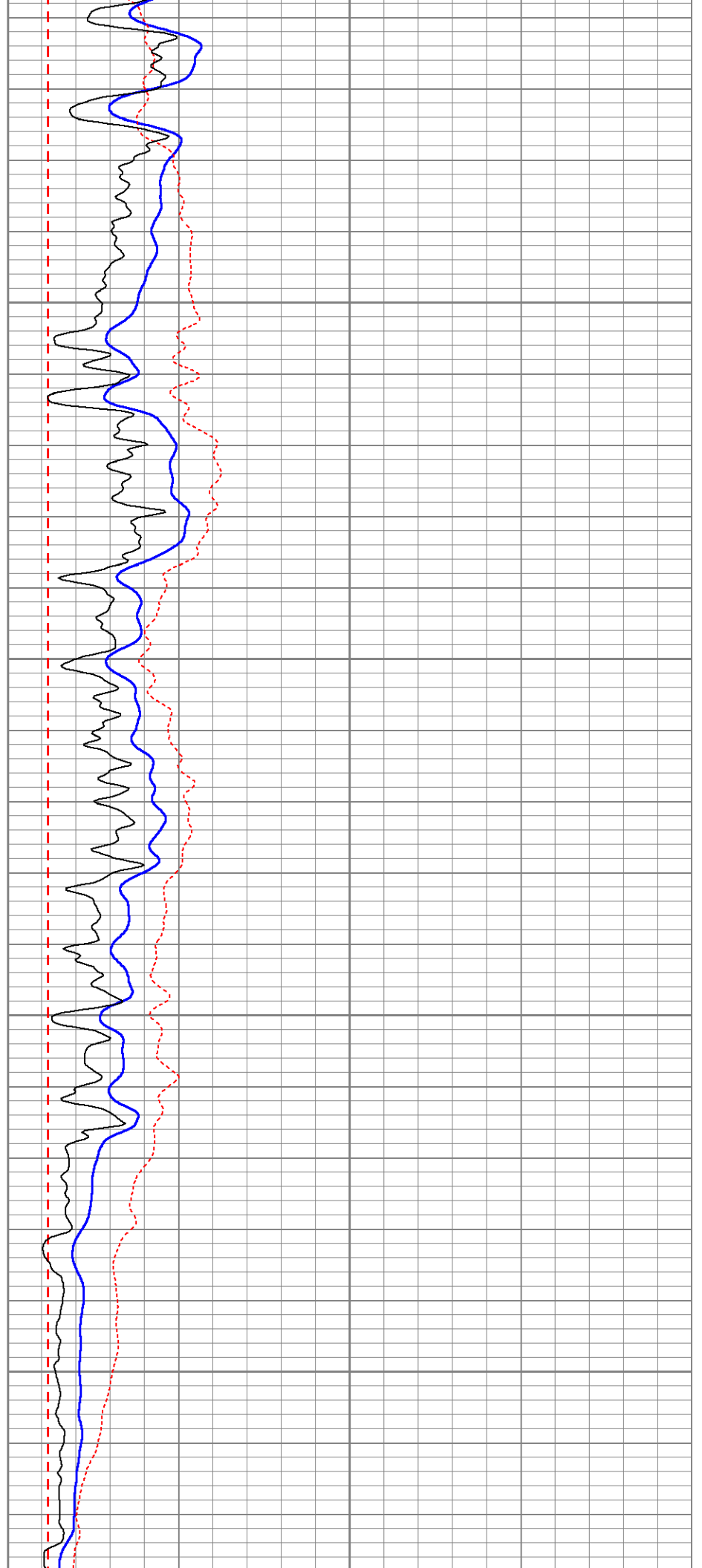


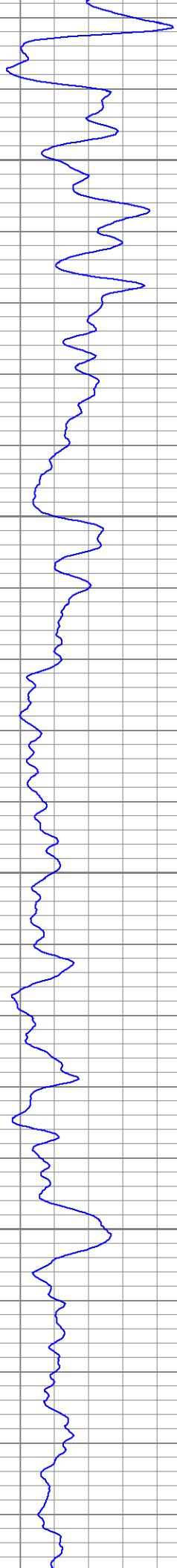
1000

1050

1100

1150



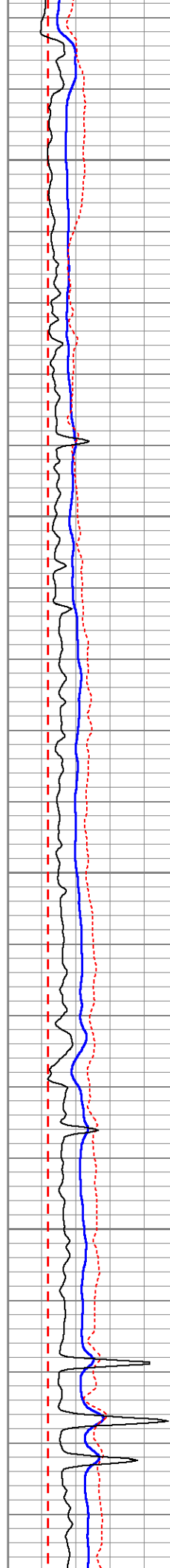


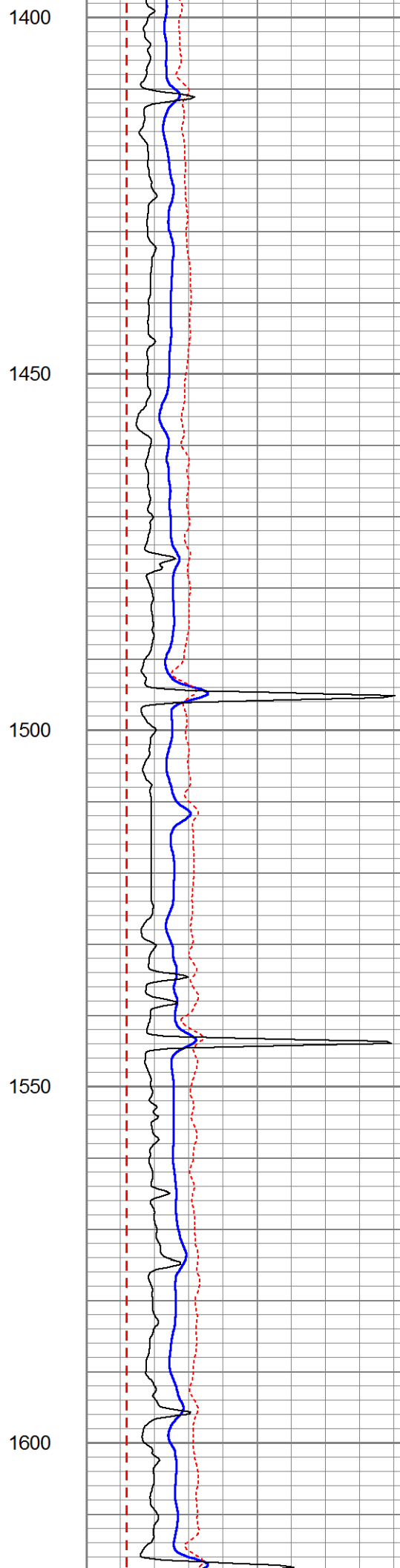
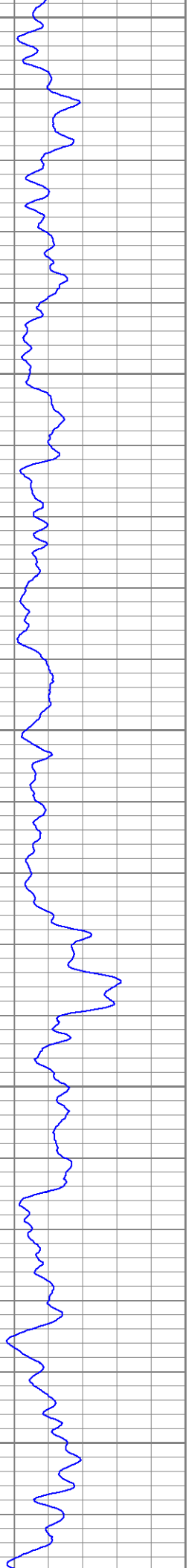
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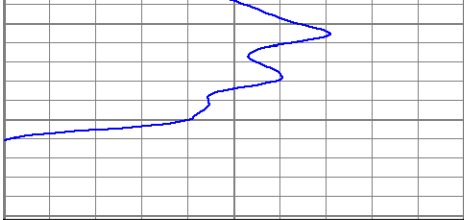
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1300

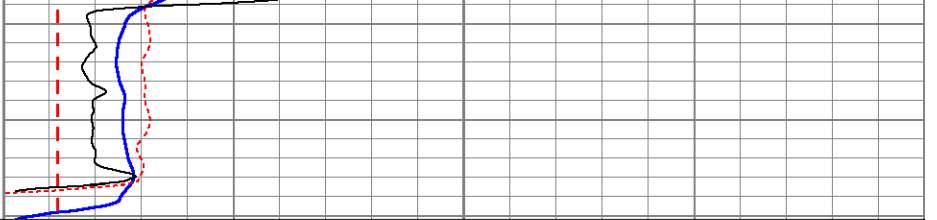
1350







200	GR Back-up (GAPI)	400
0	Gamma-Ray (GAPI)	200



0	RSN (Ohm-m)	100
0	RLN (Ohm-m)	100
0	RMF (Ohm-m)	100
0	RLL3 (Ohm-m)	100
100	RLL3 x 10 (Ohm-m)	1000
100	RSN x 10 (Ohm-m)	1000
100	RLN x 10 (Ohm-m)	1000