



# DUAL INDUCTION LOG

Company CARMEN SCHMITT, INC.  
 Well SWEETHEART #1  
 Field BAYER  
 County STAFFORD  
 State KANSAS

Company CARMEN SCHMITT, INC.  
 Well SWEETHEART #1  
 Field BAYER  
 County STAFFORD State KANSAS

Location: API #: 15-185-23941-00-00  
 1594' FSL & 2310' FWL  
 SEC 20 TWP 21S RGE 14W

Permanent Datum GROUND LEVEL Elevation 1940  
 Log Measured From KELLY BUSHING  
 Drilling Measured From KELLY BUSHING

Other Services  
 CNL/CDL  
 MEL/BHCS

Date	7/22/2015
Run Number	ONE
Depth Driller	3860
Depth Logger	3859
Bottom Logged Interval	3858
Top Log Interval	450
Casing Driller	8,625 @ 467
Casing Logger	470
Bit Size	7.875
Type Fluid in Hole	CHEMICAL
Salinity, ppm CL	10500
Density / Viscosity	9.2 67
pH / Fluid Loss	10.5 10.2
Source of Sample	Flowline
Rm @ Meas. Temp	0.30 @ 80
Rmt @ Meas. Temp	0.23 @ 80
Rmc @ Meas. Temp	0.41 @ 80
Source of Rmf / Rmc	Charts
Rm @ BHT	0.21 @ 115
Operating Rig Time	6 HOURS
Max Rec. Temp. F	115
Equipment Number	91
Location	Hays
Recorded By	D. SCHMIDT
Witnessed By	BRAD RINE

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All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not 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.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

RADIUM,  
 2 NORTH TO 170TH, 1/2 EAST,  
 NORTH INTO

Log Measured From: KELLY BUSHING 8 Ft. Above Permanent Datum

THANK YOU FOR USING PIONEER ENERGY SERVICES  
[www.pioneerenergy.com](http://www.pioneerenergy.com) 785-625-3858

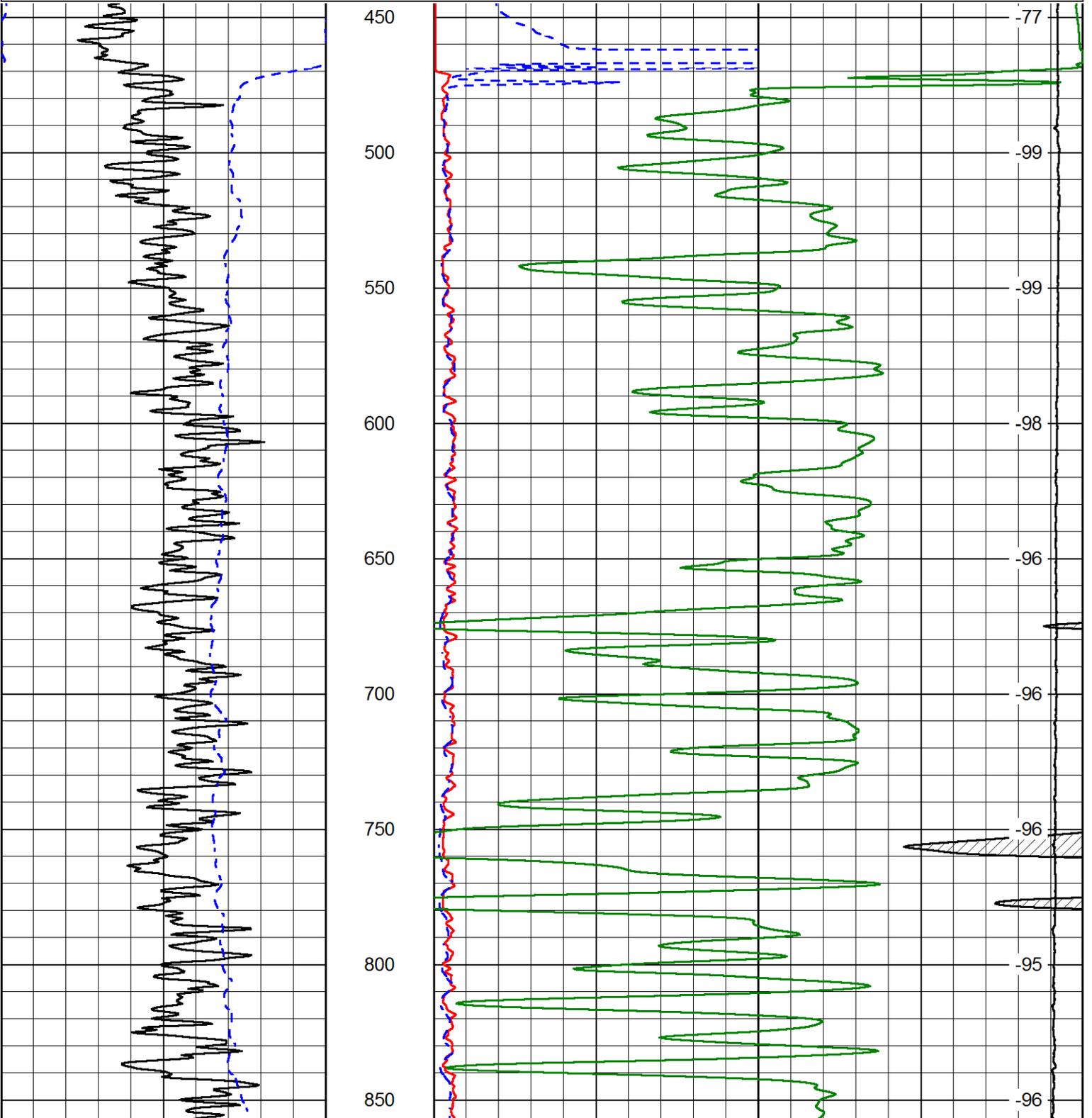
Your Pioneer Energy Services Crew Engineer: D. SCHMIDT Operator: Operator: Operator:	This Log Record Was Witnessed By Primary Witness: BRAD RINE Secondary Witness: Secondary Witness: Secondary Witness:
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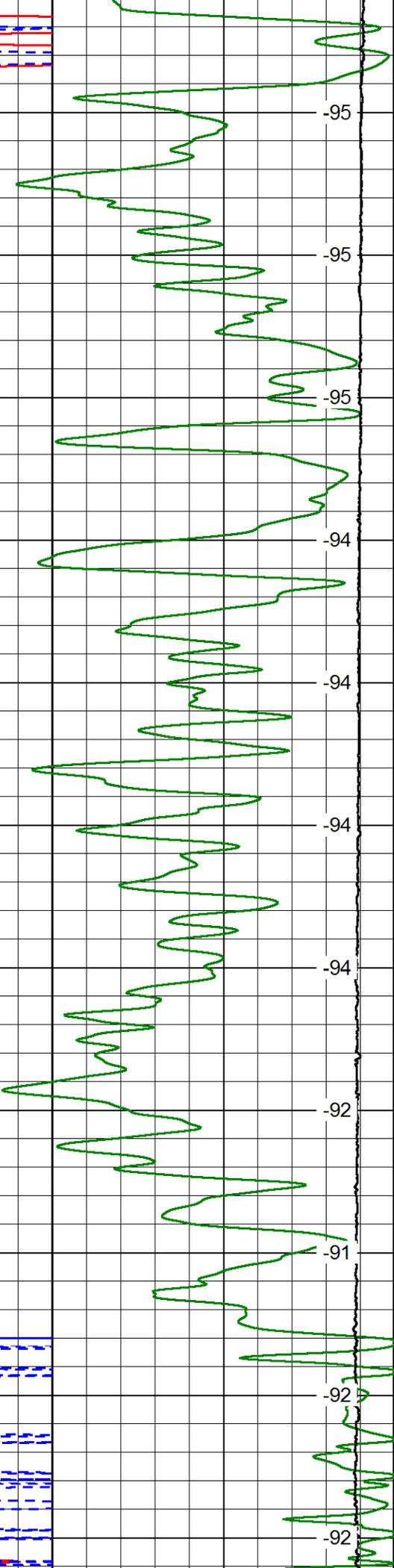
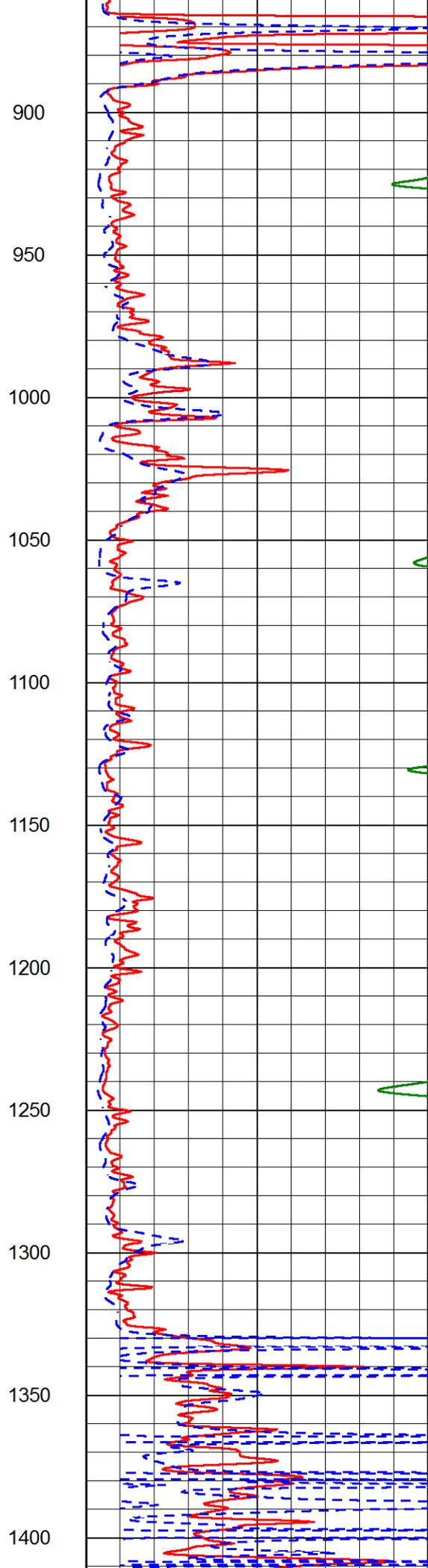
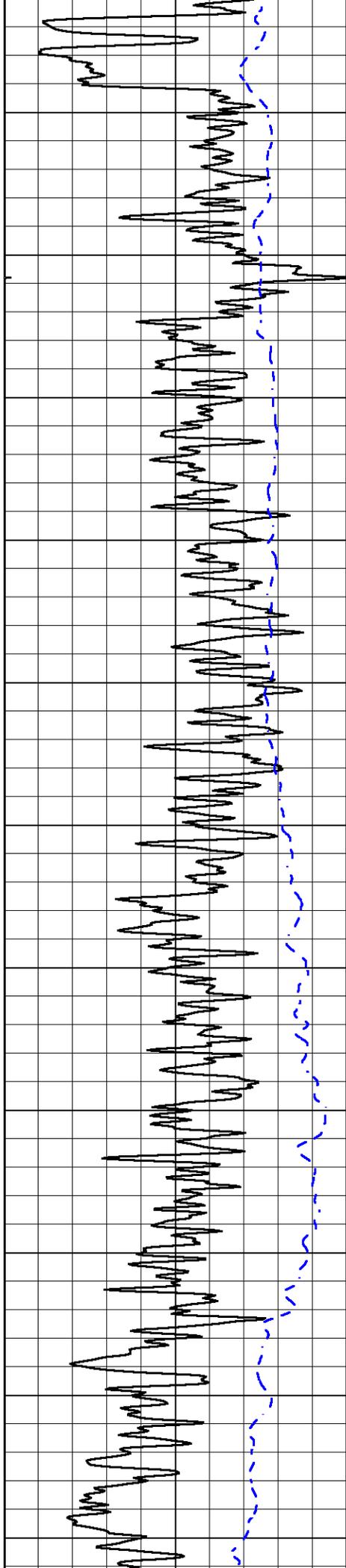
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 Presentation Format dil2in  
 Dataset Creation Wed Jul 22 03:34:57 2015  
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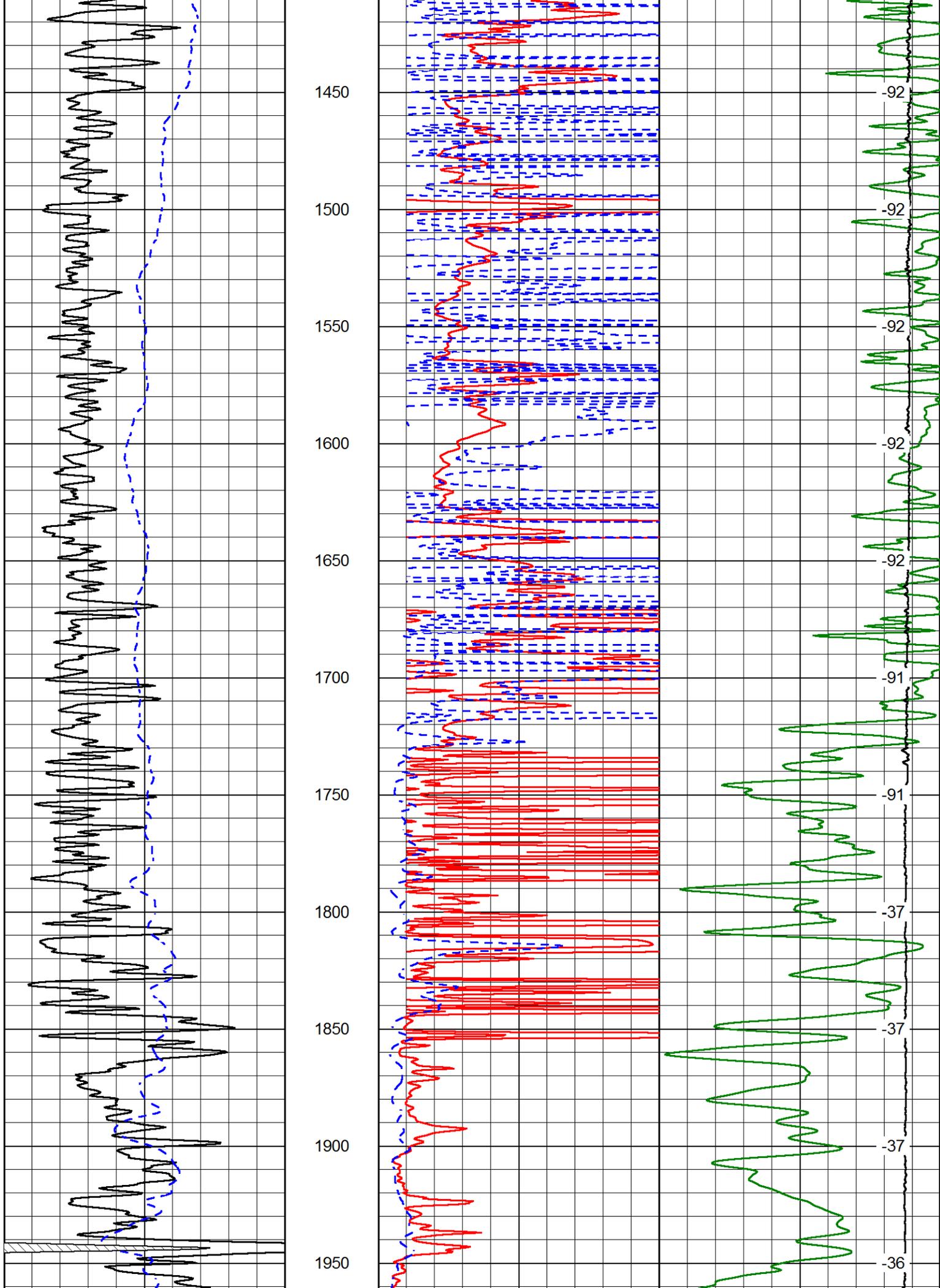
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-200	SP (mV)	0

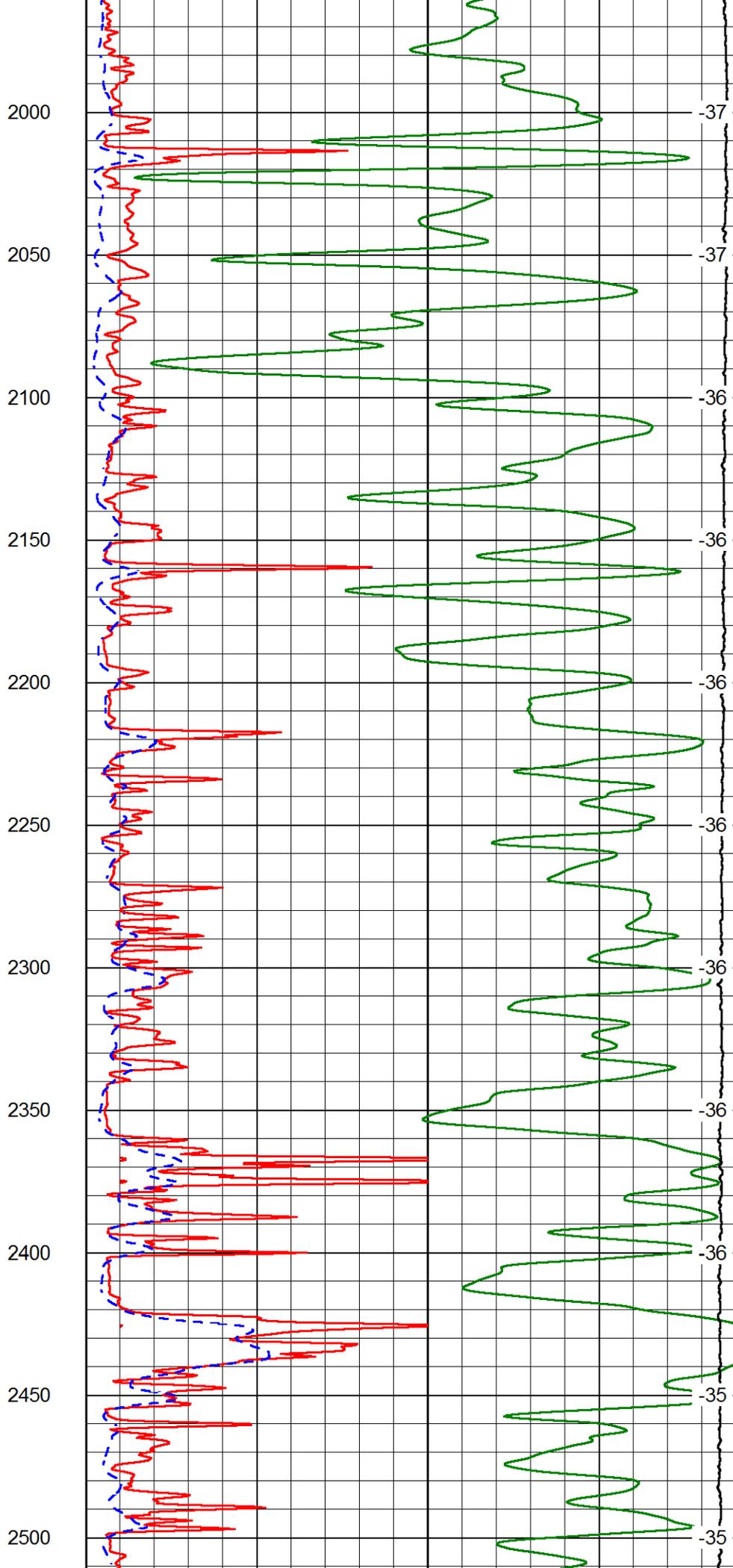
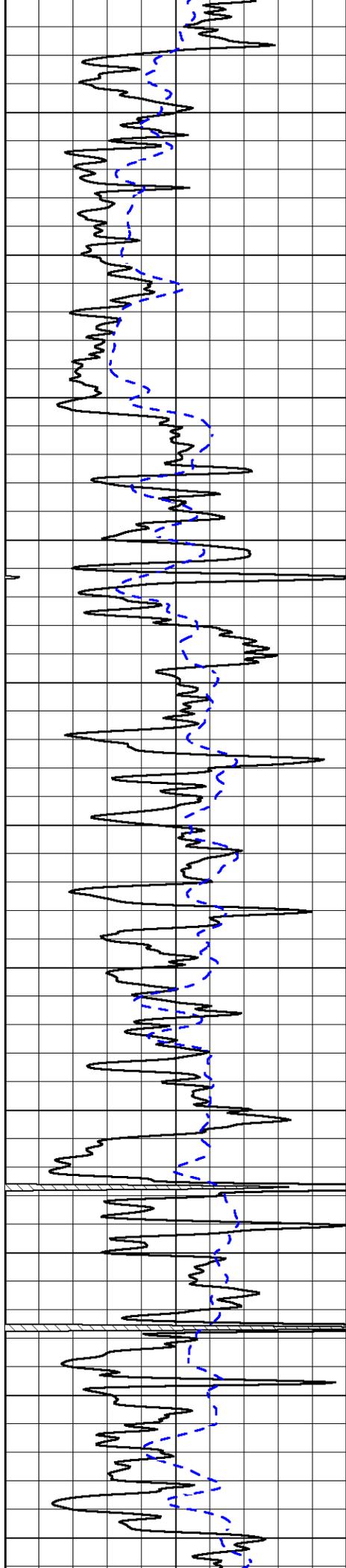
1000	Conductivity	0
15000	Line Tension (lb)	0

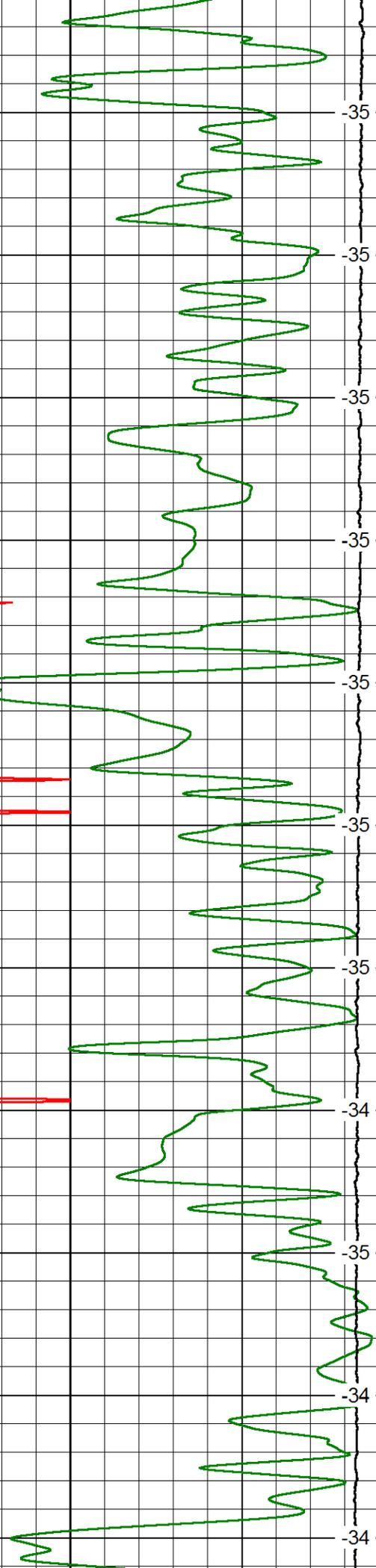
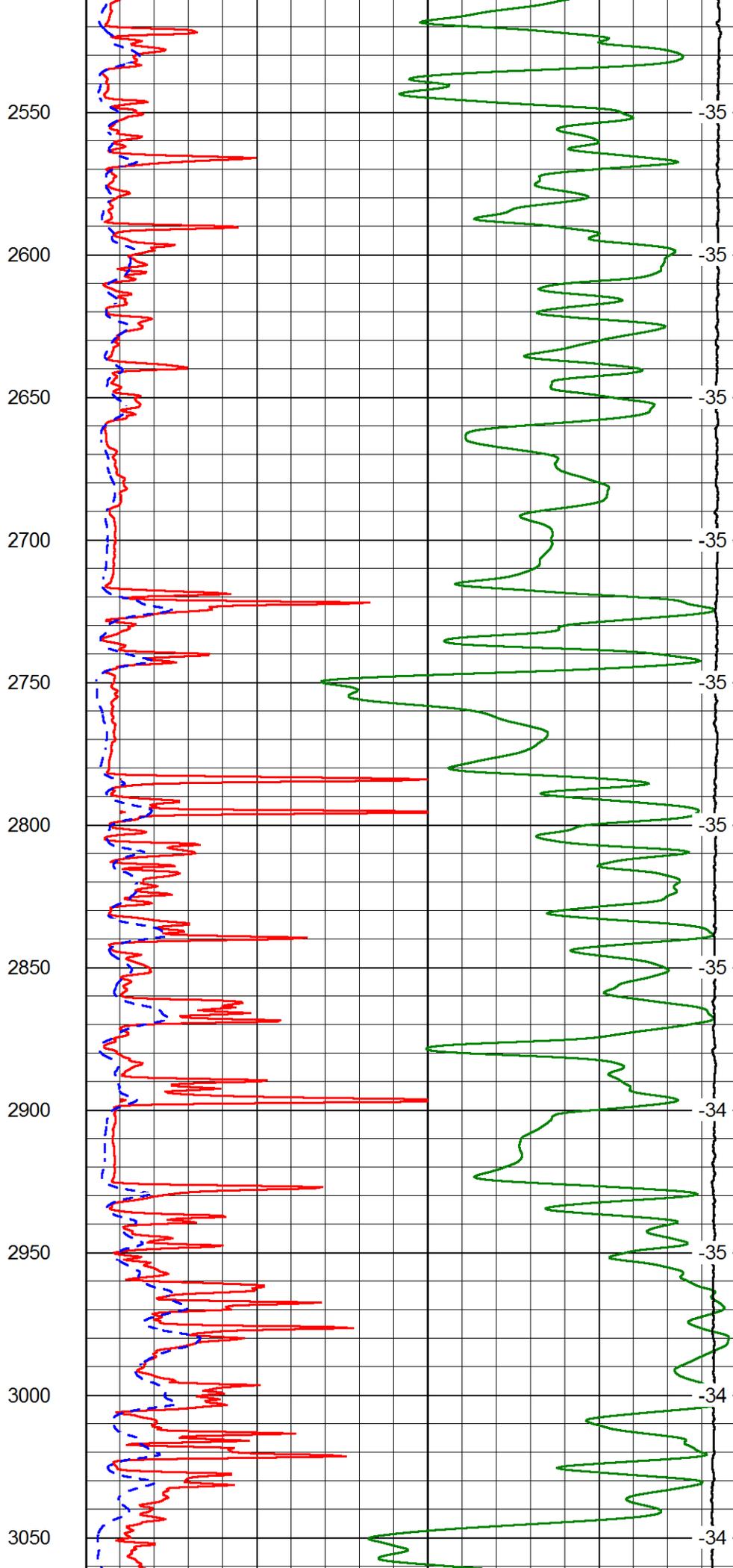
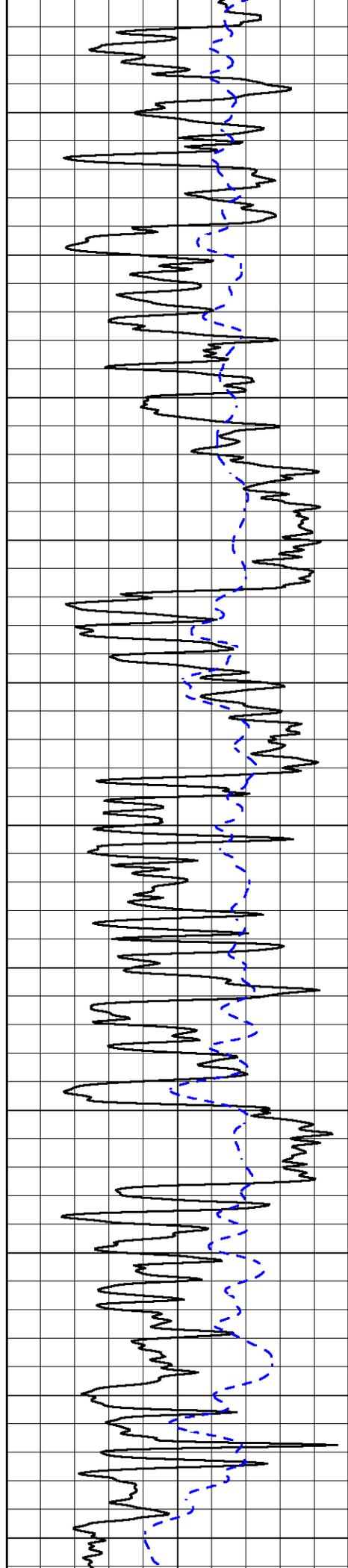
0	Shallow Resistivity (Ohm-m)	50	LSPD (ft/min)
0	Deep Resistivity (Ohm-m)	50	
Shallow Resistivity			
50	(Ohm-m)	500	
50	Deep Resistivity (Ohm-m)	500	

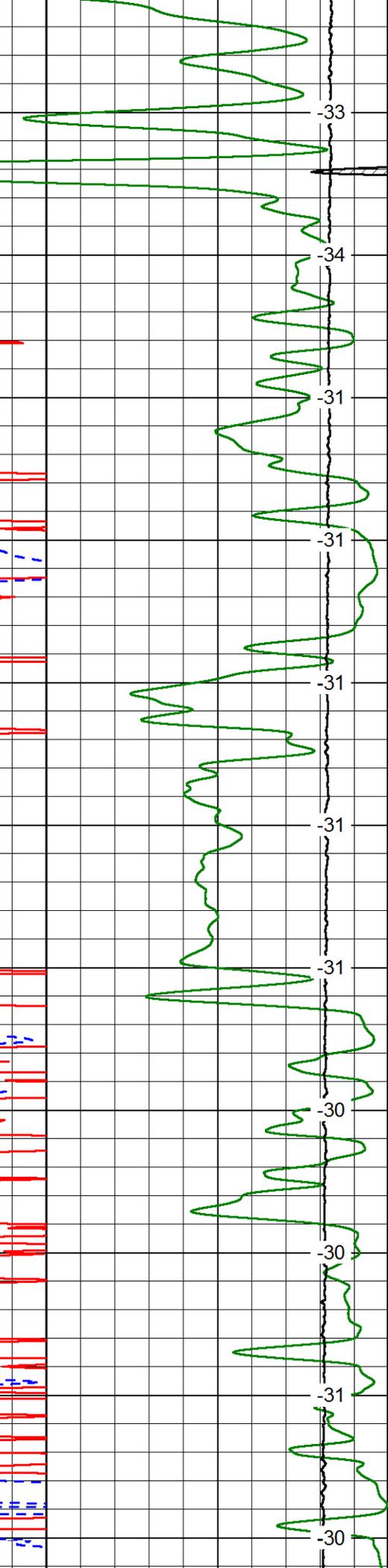
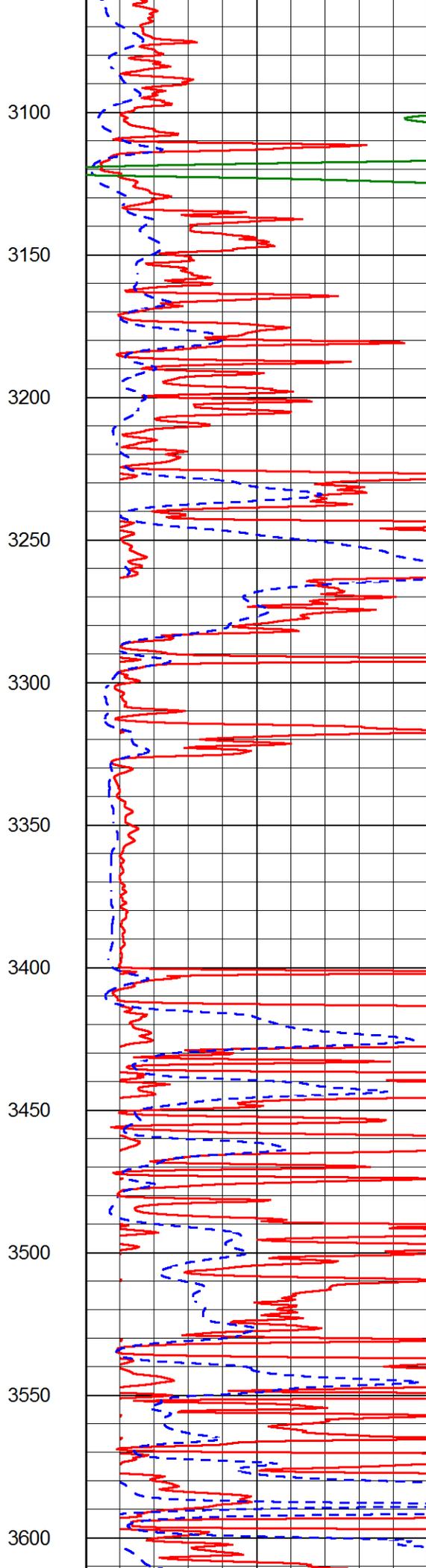
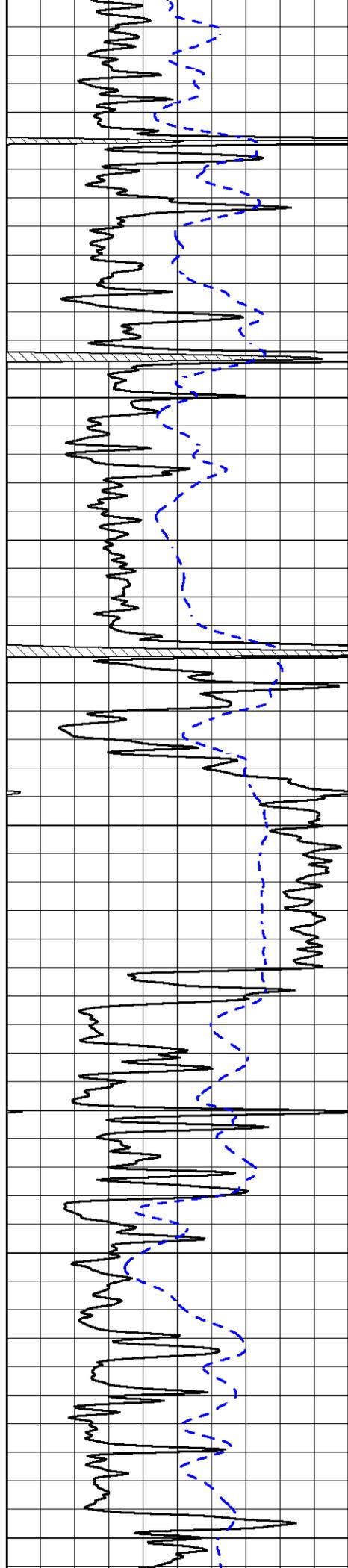


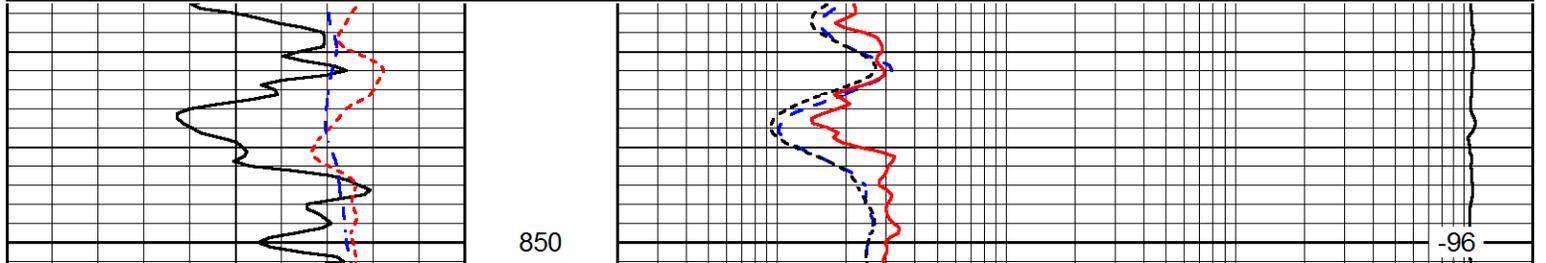
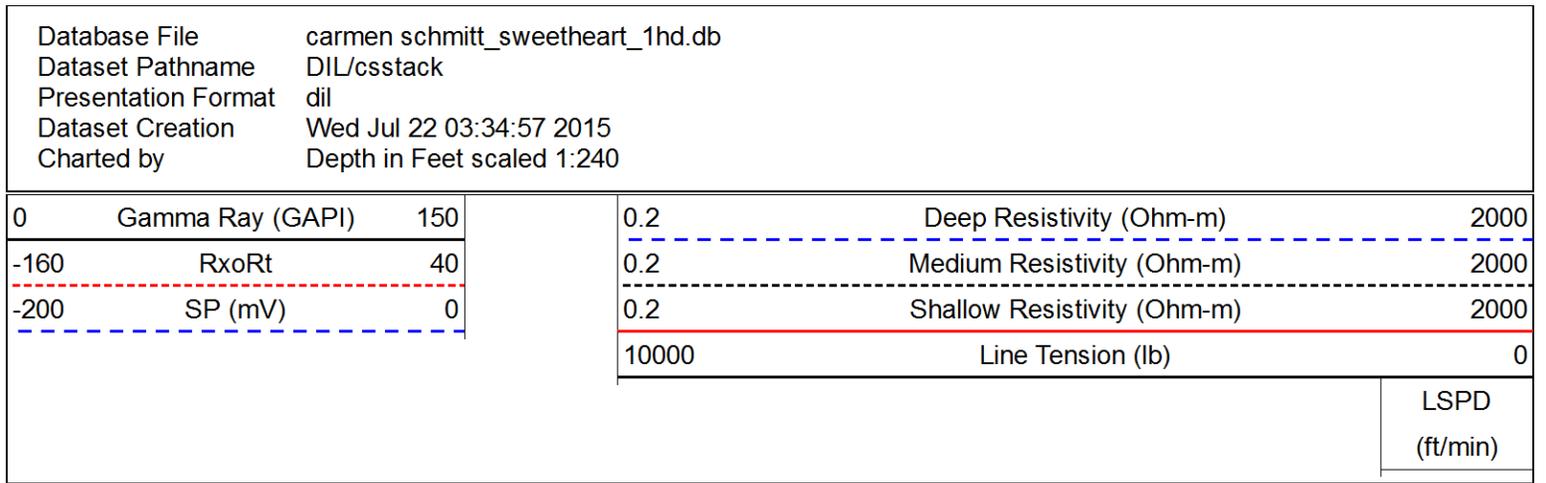
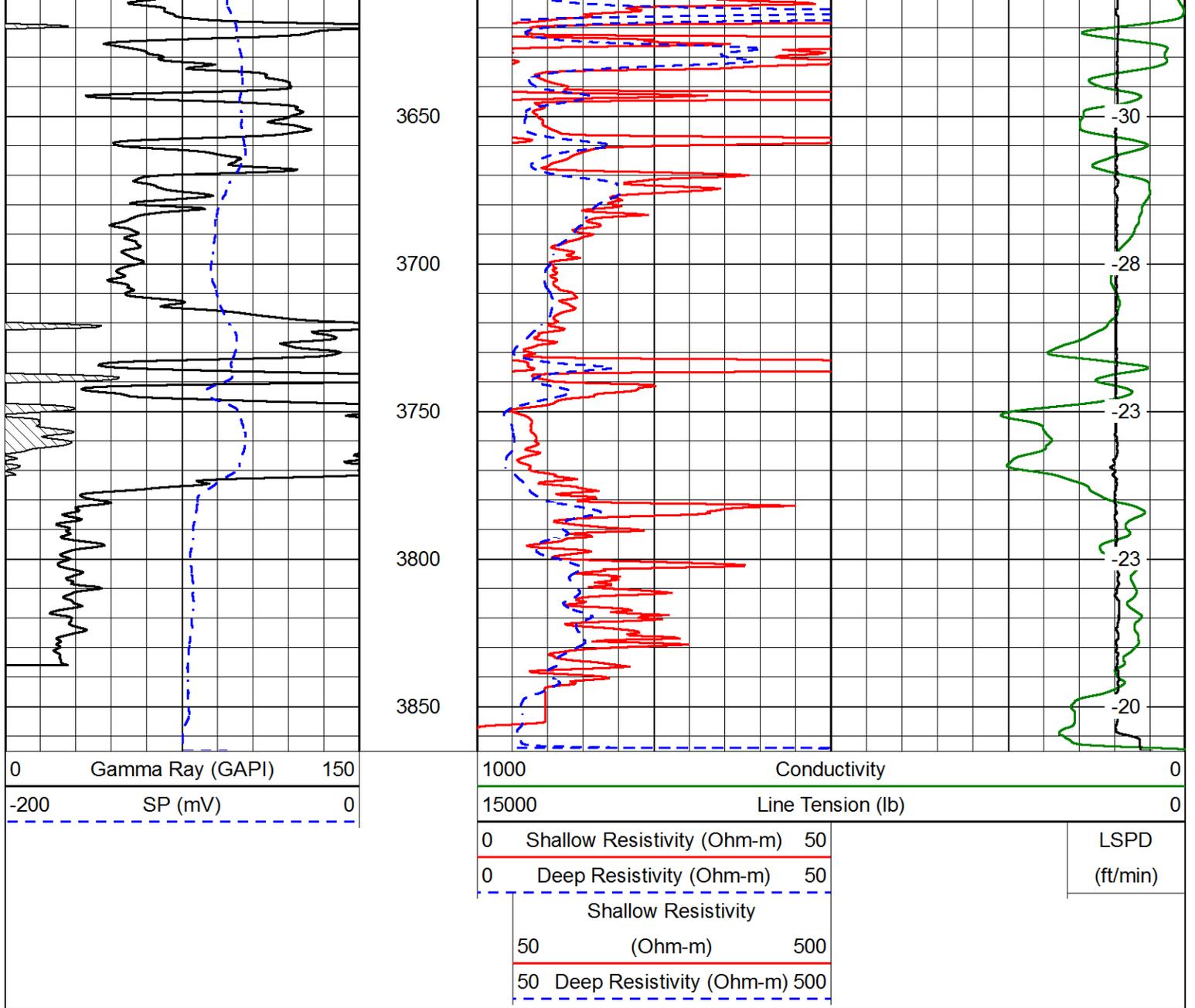


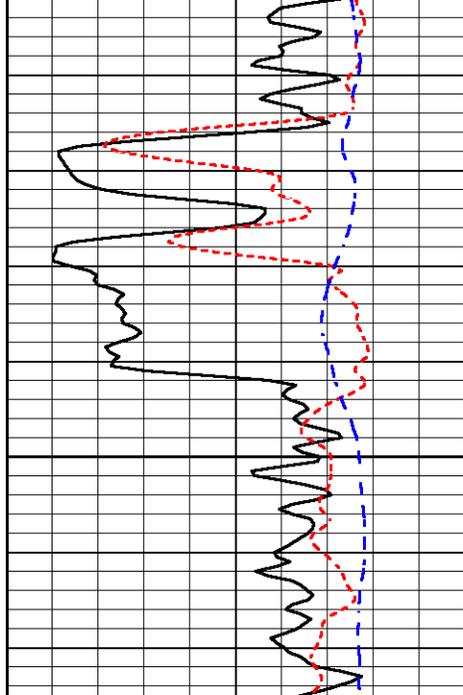






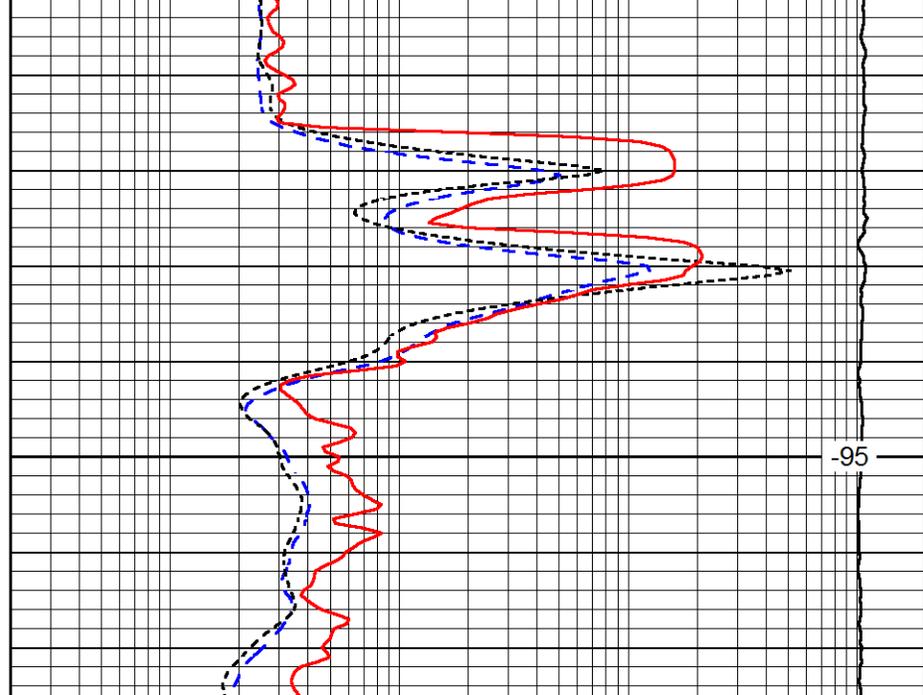






0	Gamma Ray (GAPI)	150
-160	RxoRt	40
-200	SP (mV)	0

900



0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
10000	Line Tension (lb)	0

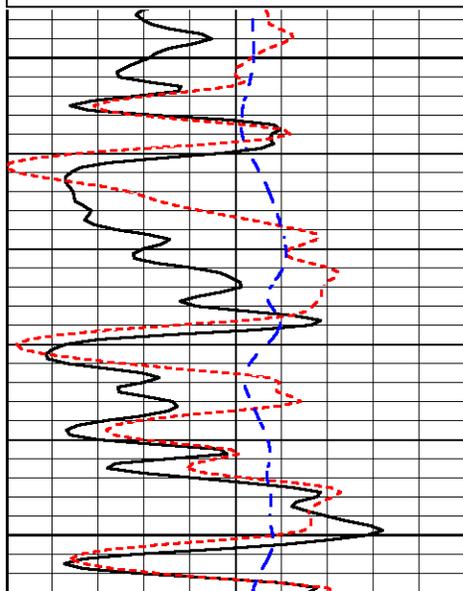
LSPD  
(ft/min)

Database File carmen schmitt\_sweetheart\_1hd.db  
 Dataset Pathname DIL/csstack  
 Presentation Format dil  
 Dataset Creation Wed Jul 22 03:34:57 2015  
 Charted by Depth in Feet scaled 1:240

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-160	RxoRt	40
-200	SP (mV)	0

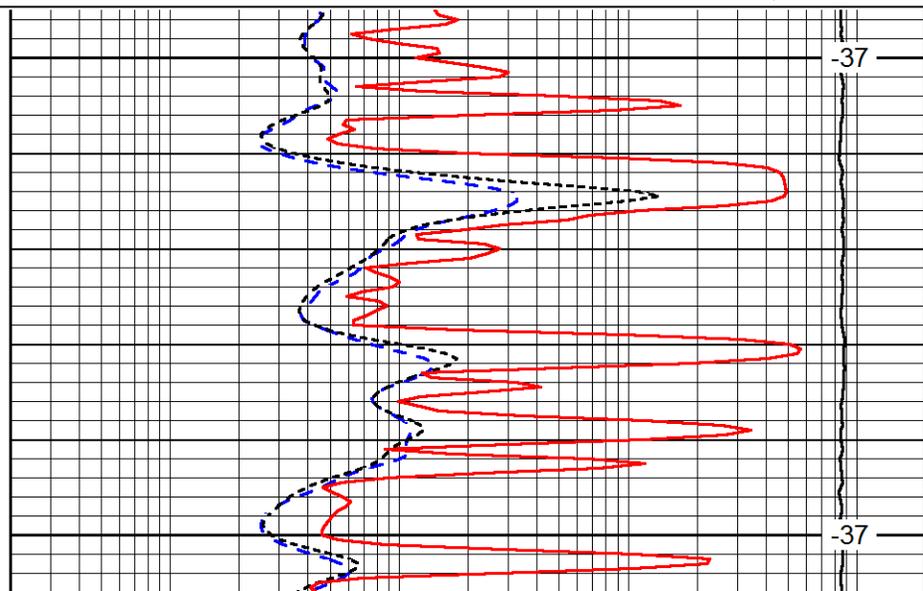
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10000	Line Tension (lb)	0

LSPD  
(ft/min)



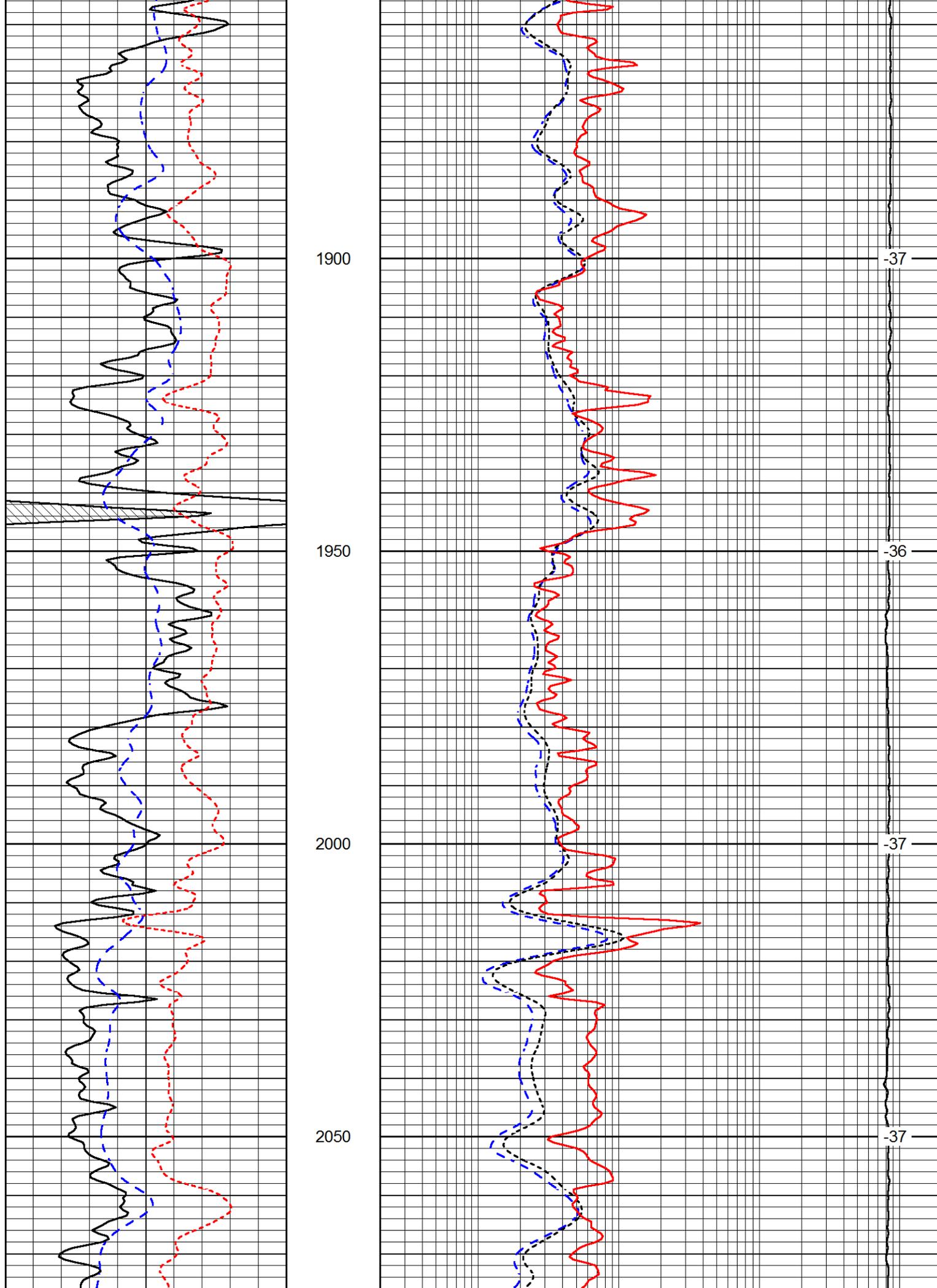
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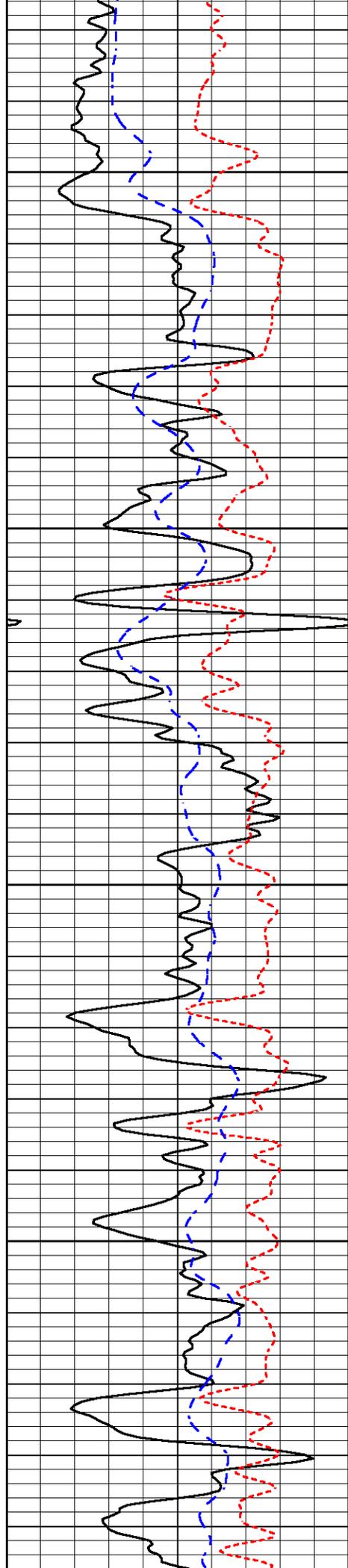
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-37

-37



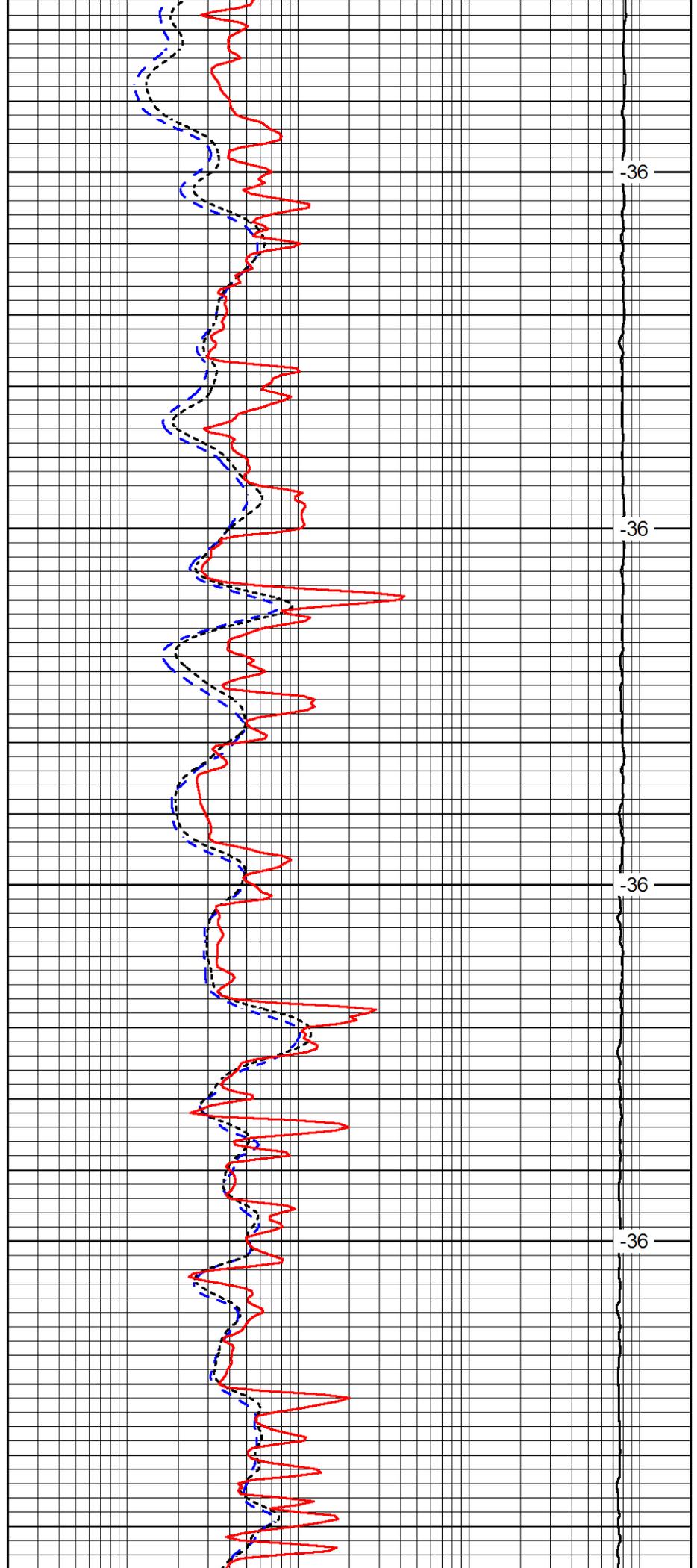


2100

2150

2200

2250

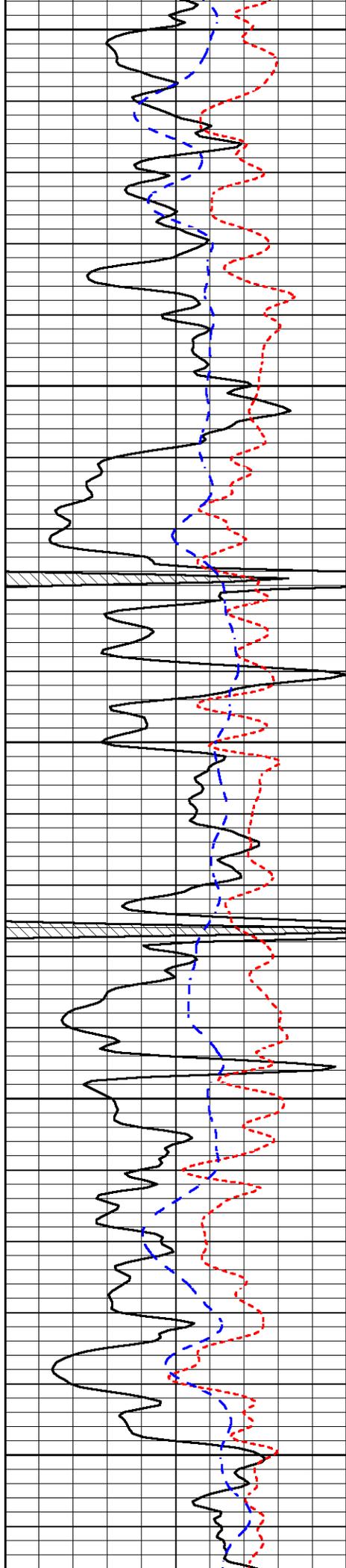


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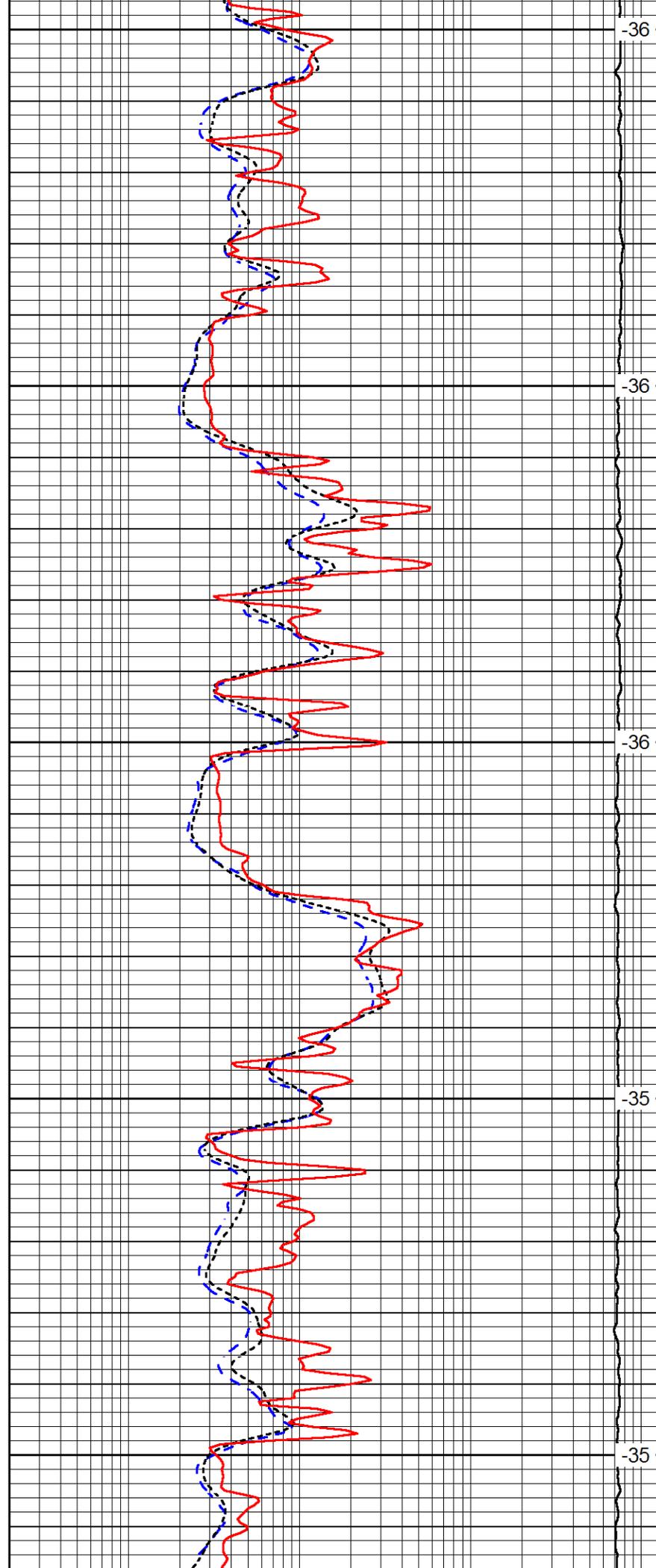
2300

2350

2400

2450

2500



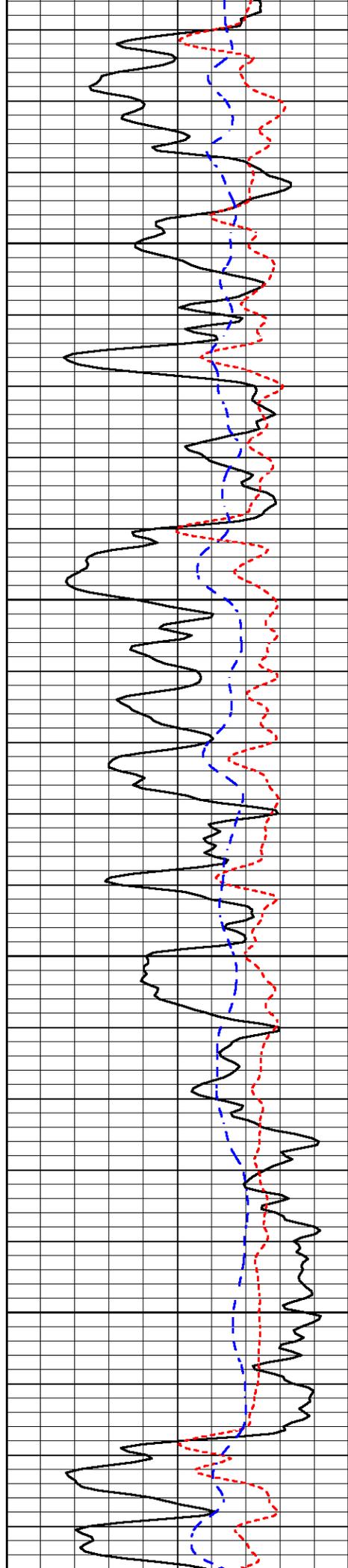
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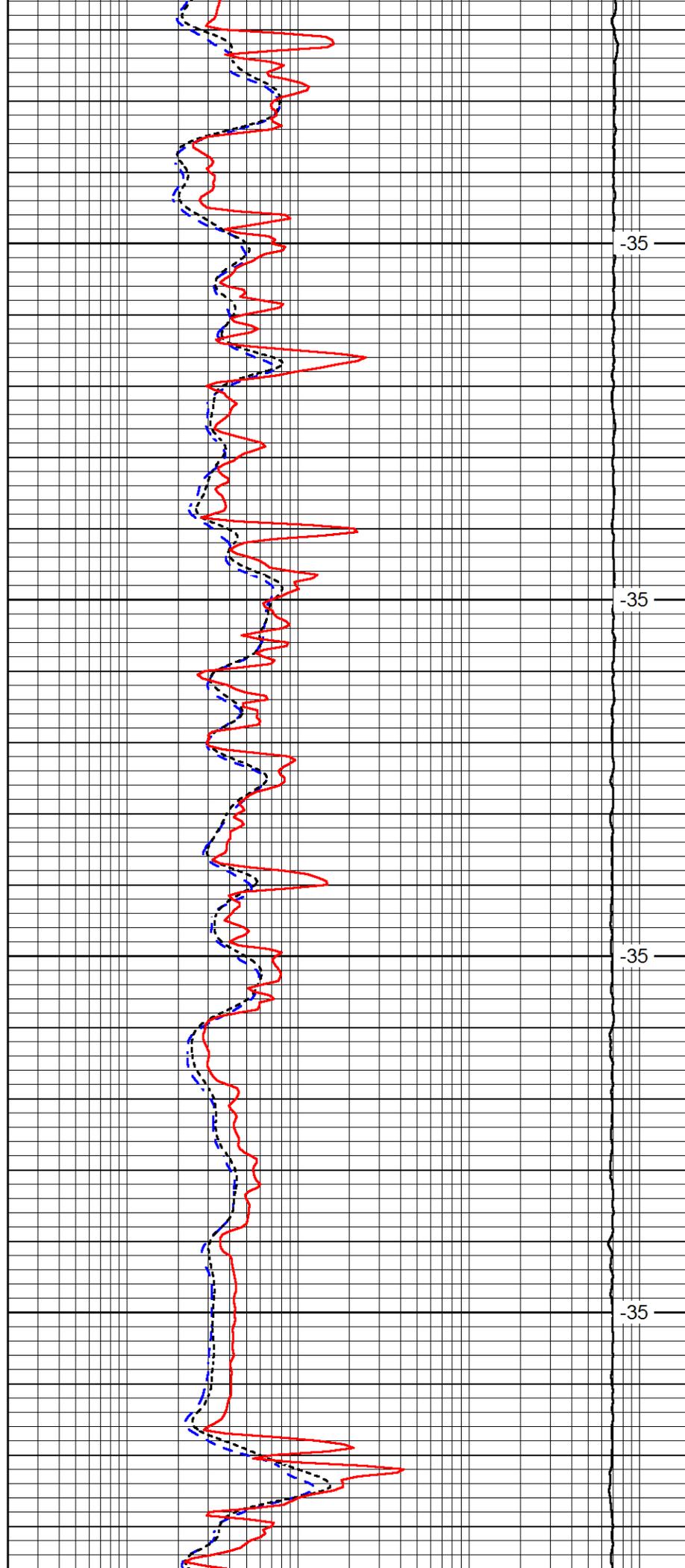


2550

2600

2650

2700

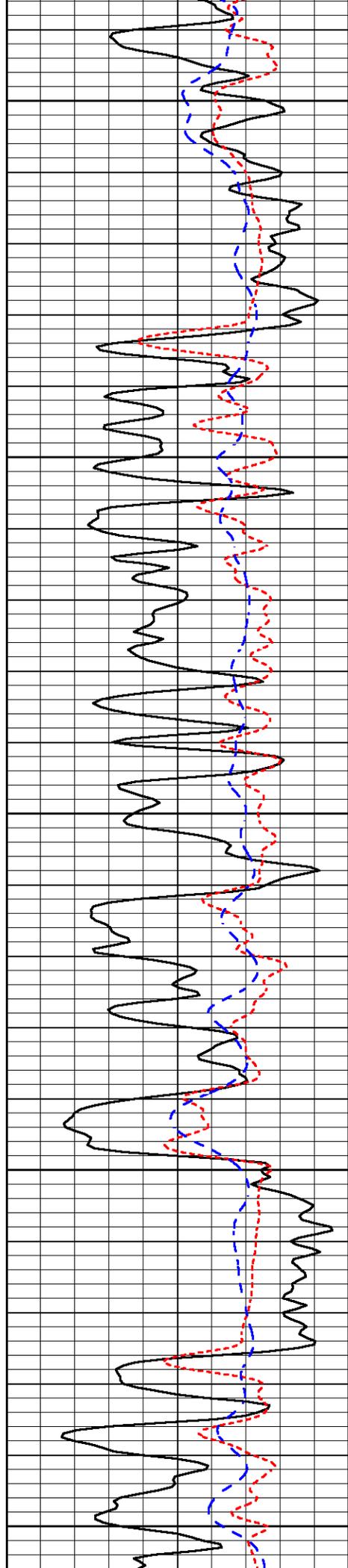


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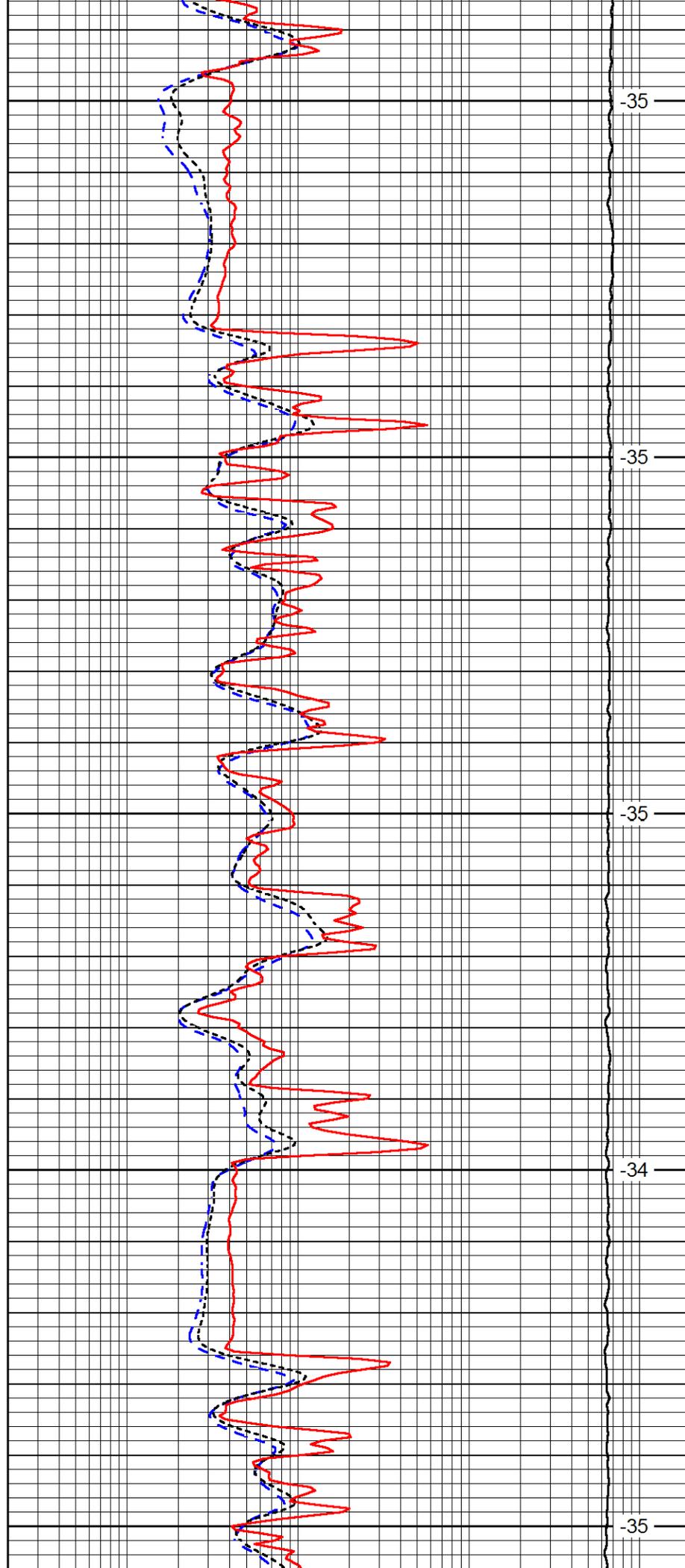
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2800

2850

2900

2950



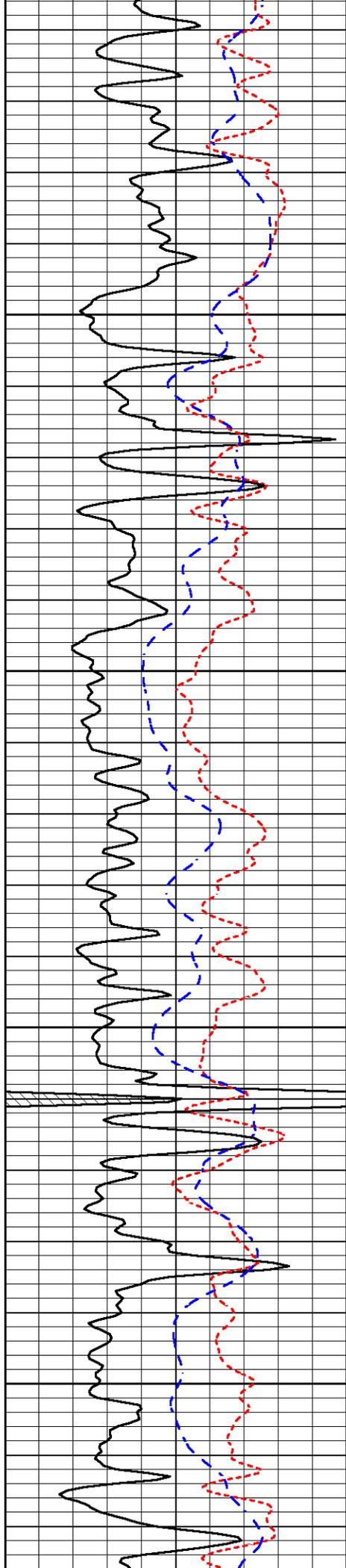
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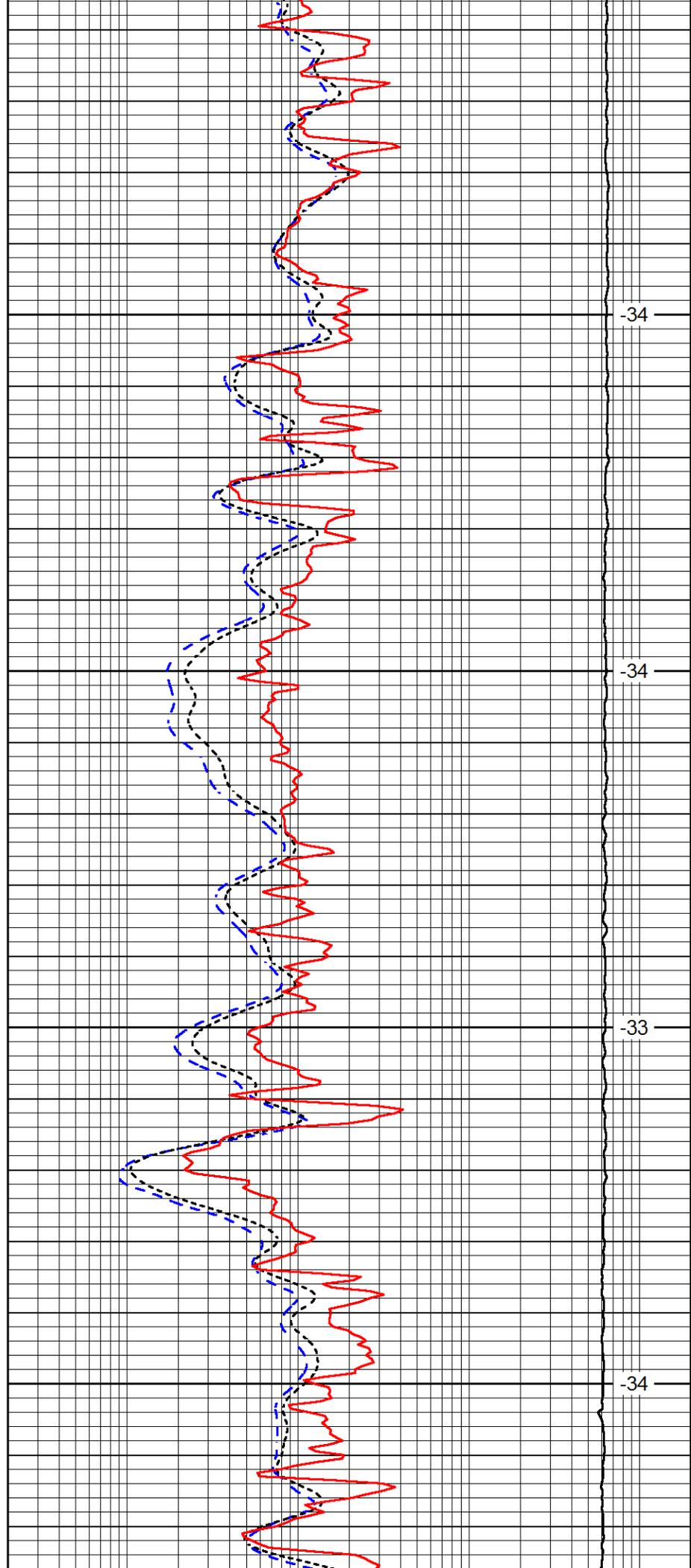


3000

3050

3100

3150

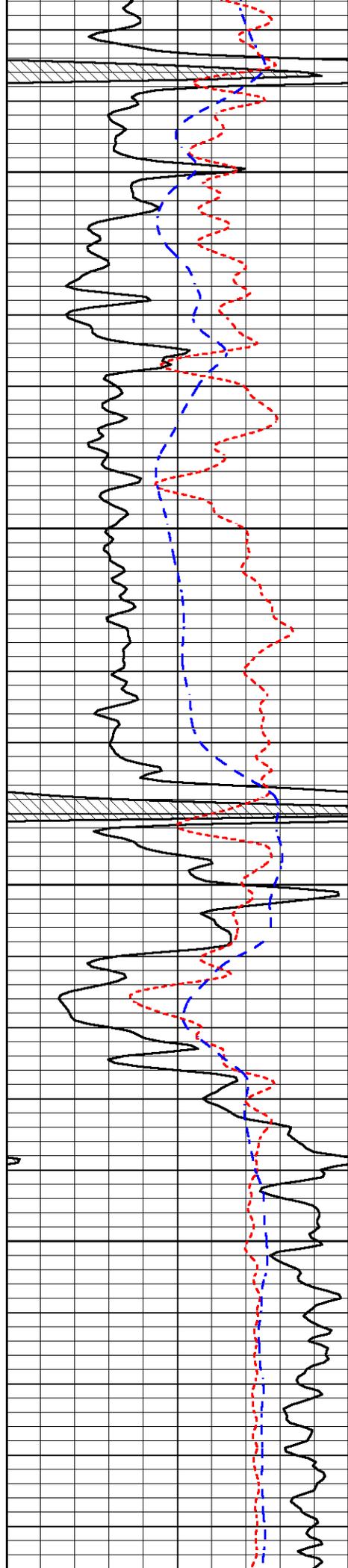


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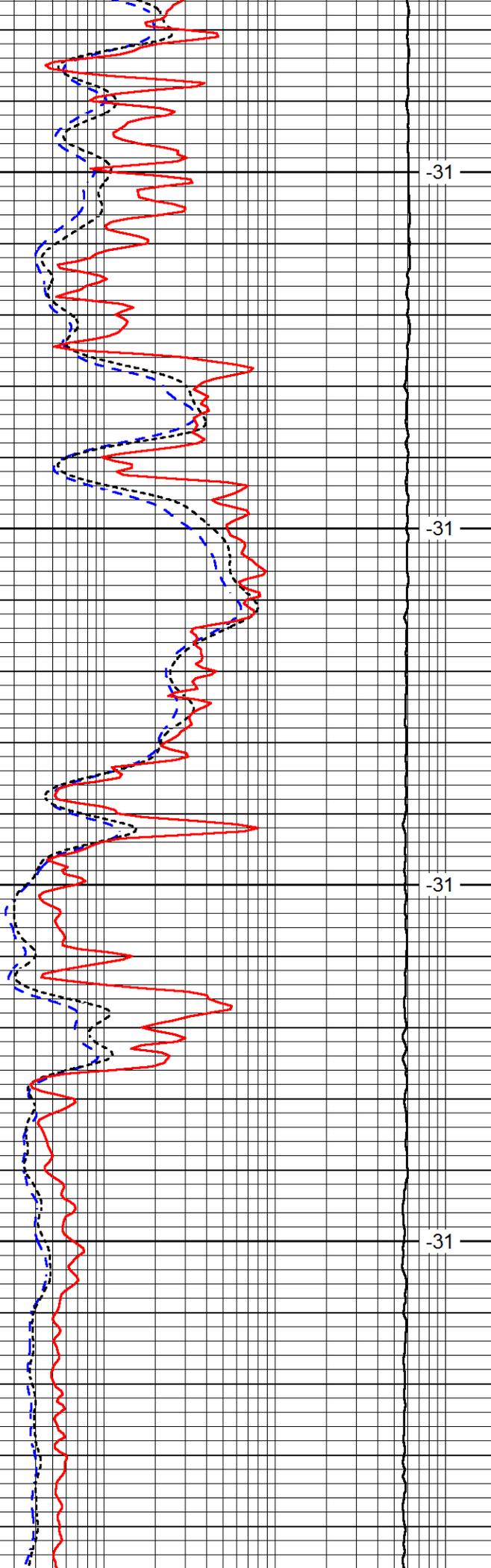


3200

3250

3300

3350

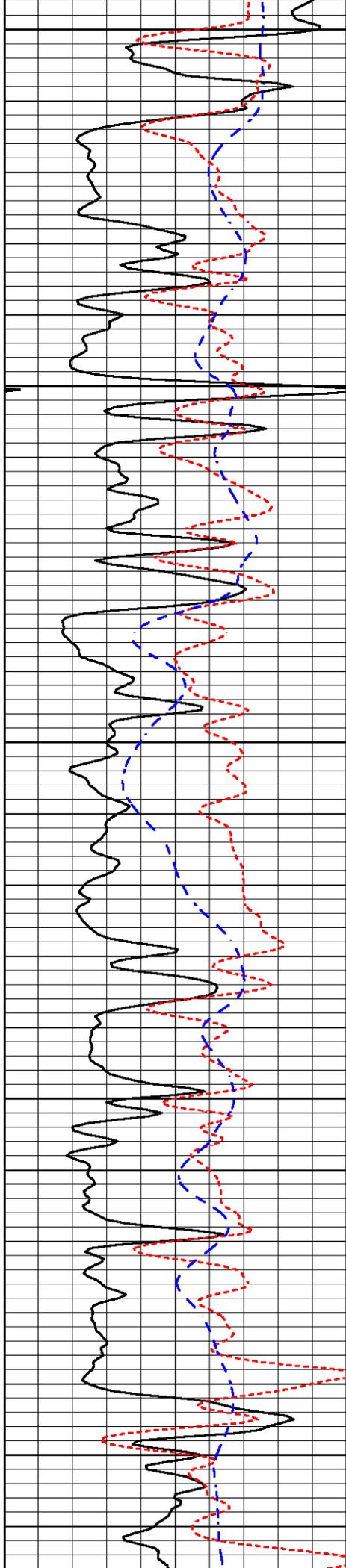


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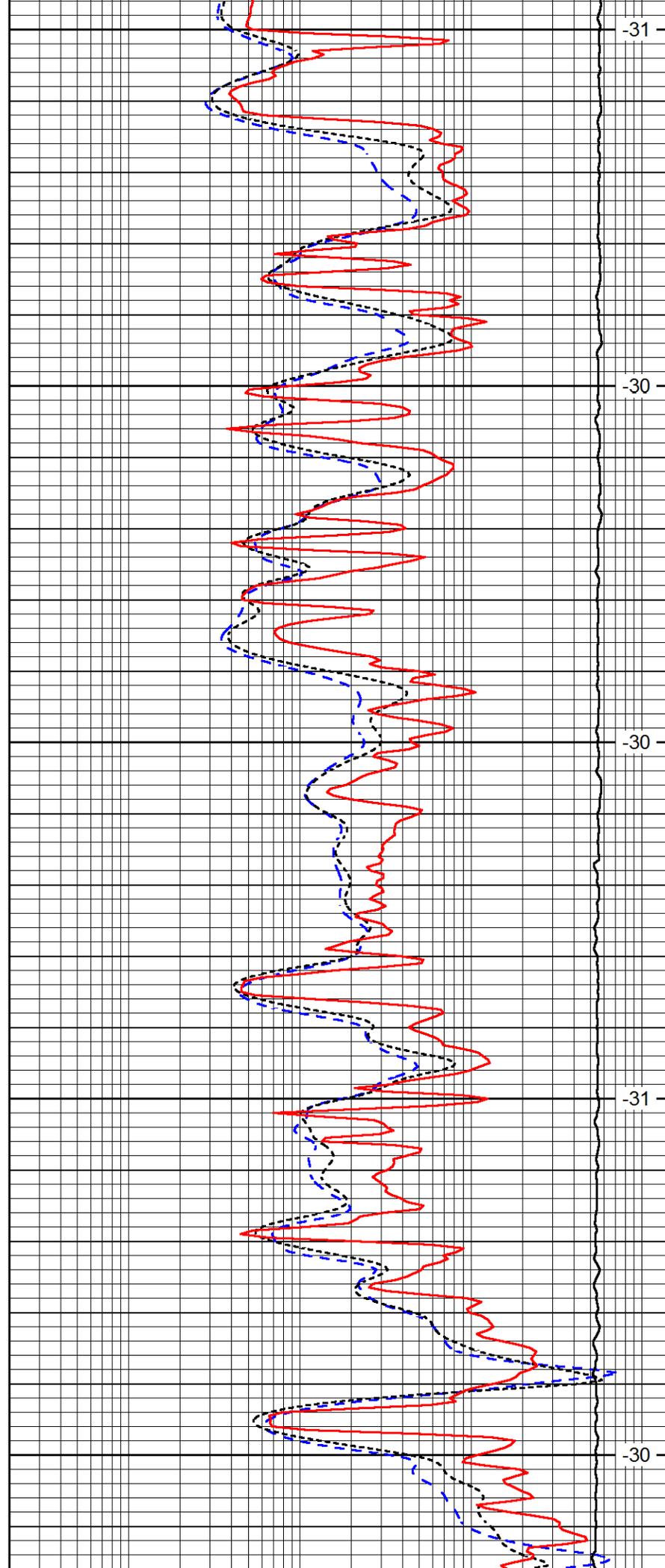
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3450

3500

3550

3600



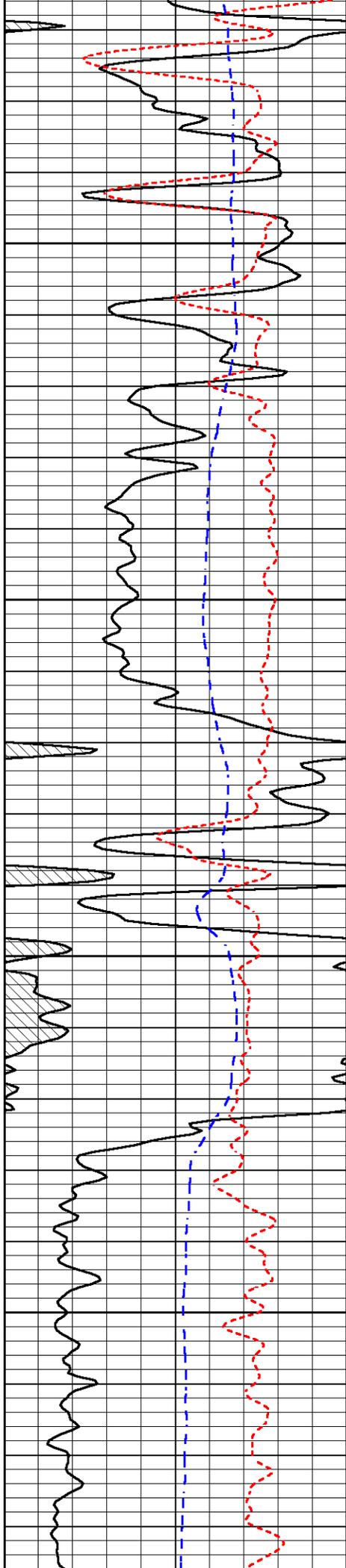
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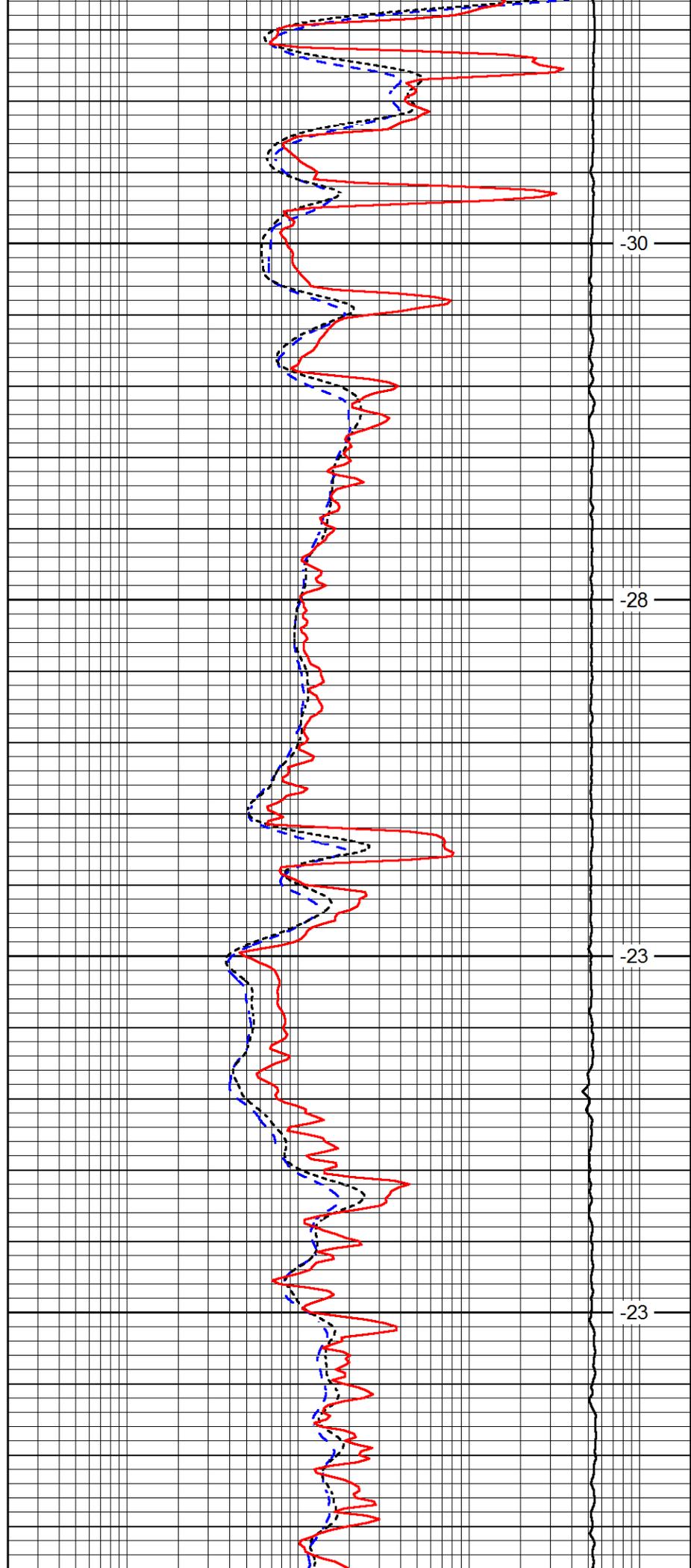


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3700

3750

3800

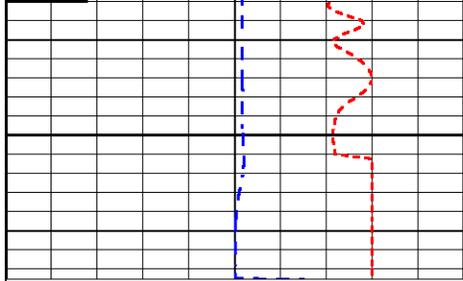


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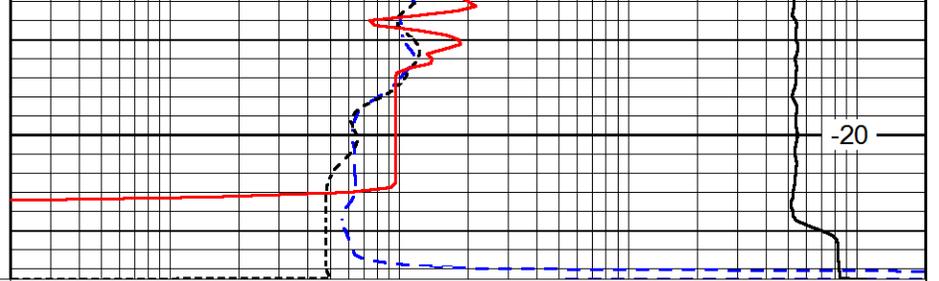
-28

-23

-23



3850



-20

0	Gamma Ray (GAPI)	150
-160	RxoRt	40
-200	SP (mV)	0

0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
10000	Line Tension (lb)	0

LSPD  
(ft/min)