



DUAL INDUCTION LOG

Pioneer Energy Services

Company STRATAKAN EXPLORATION, LLC
Well BEAGLEY NO. 2-1
Field SMOKY VALLEY
County LOGAN
State KANSAS

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Well BEAGLEY NO. 2-1
Field SMOKY VALLEY
County LOGAN State KANSAS

Location: API #: 15-109-21,427-00-00

Other Services

330' FNL & 1,576' FEL
SEC 2 TWP 14S RGE 33W

CNL/CDL

Permanent Datum GROUND LEVEL Elevation 2874'
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING

Elevation
K.B. 2879'
D.F. N/A
G.L. 2874'

Date 8/15/2015

Run Number	ONE		
Depth Driller	4594'		
Depth Logger	4592'		
Bottom Logged Interval	4591'		
Top Log Interval	250'		
Casing Driller	8.625" @ 260'		
Casing Logger	260'		
Bit Size	7.875"		
Type Fluid in Hole	CHEMICAL		
Salinity, ppm CL	9000		
Density / Viscosity	9.4 50		
pH / Fluid Loss	10.2 10.2		
Source of Sample	Flowline		
Rm @ Meas. Temp	.22 @ 84		
Rmt @ Meas. Temp	.17 @ 84		
Rmc @ Meas. Temp	.30 @ 84		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.15 @ 122		
Operating Rig Time	3 HOURS		
Max Rec. Temp. F	122		
Equipment Number	108		
Location	Hays		
Recorded By	J. LONG		
Witnessed By	CHRIS BEAN		

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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.

OAKLEY, 11 SOUTH TO SENECA ROAD, 7 WEST TO 370TH ROAD,
4 1/2 SOUTH, EAST & SOUTH THROUGH 3 CATTLE GUARDS

Log Measured From: KELLY BUSHING 5 Ft. Above Permanent Datum

THANK YOU FOR USING PIONEER ENERGY SERVICES
www.pioneerenergy.com 785-625-3858

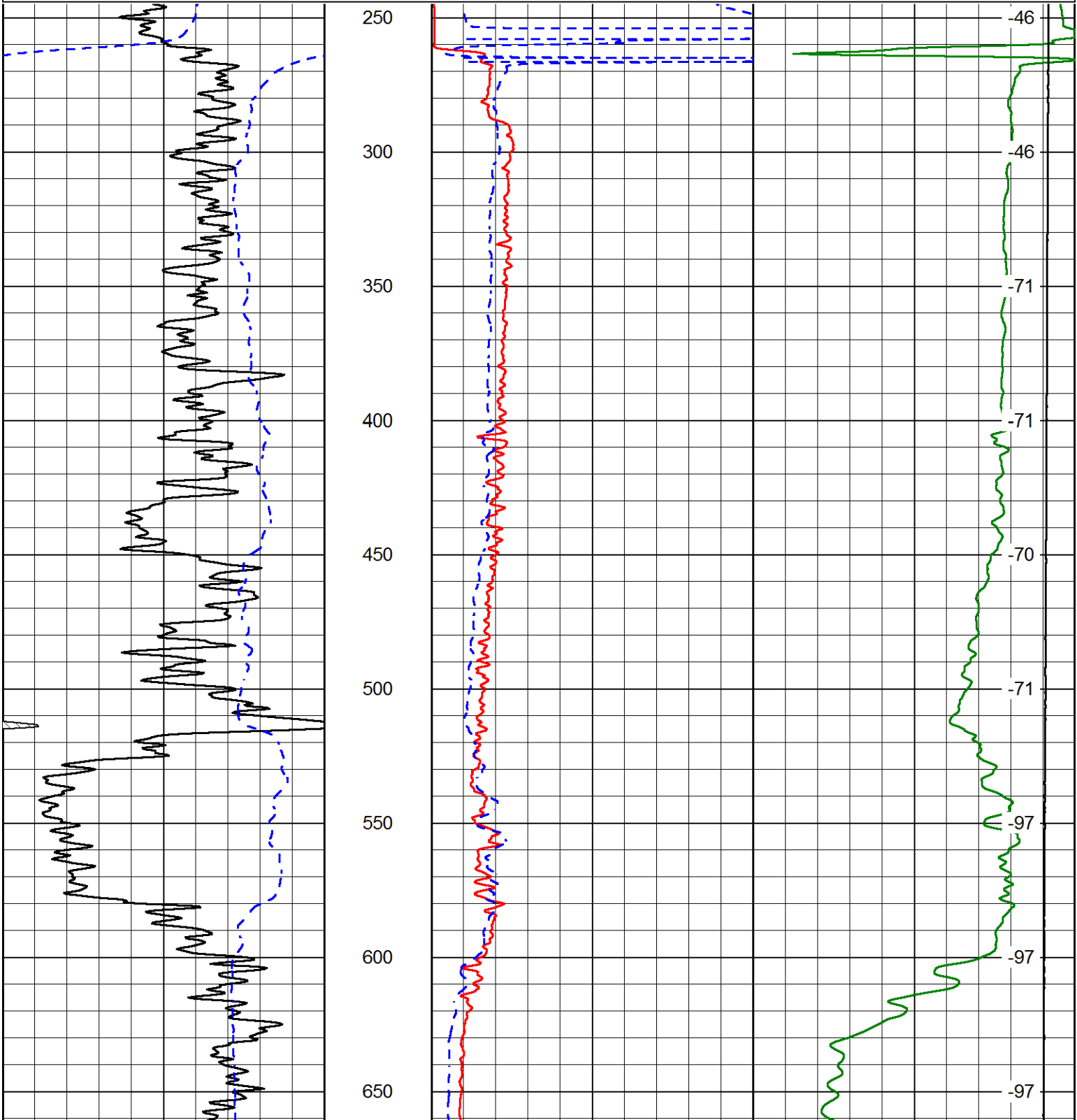
Your Pioneer Energy Services Crew

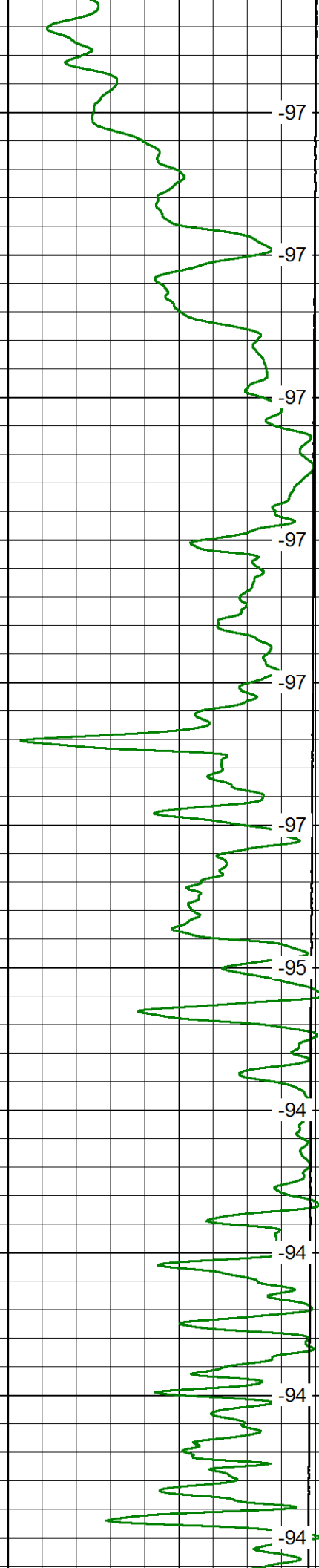
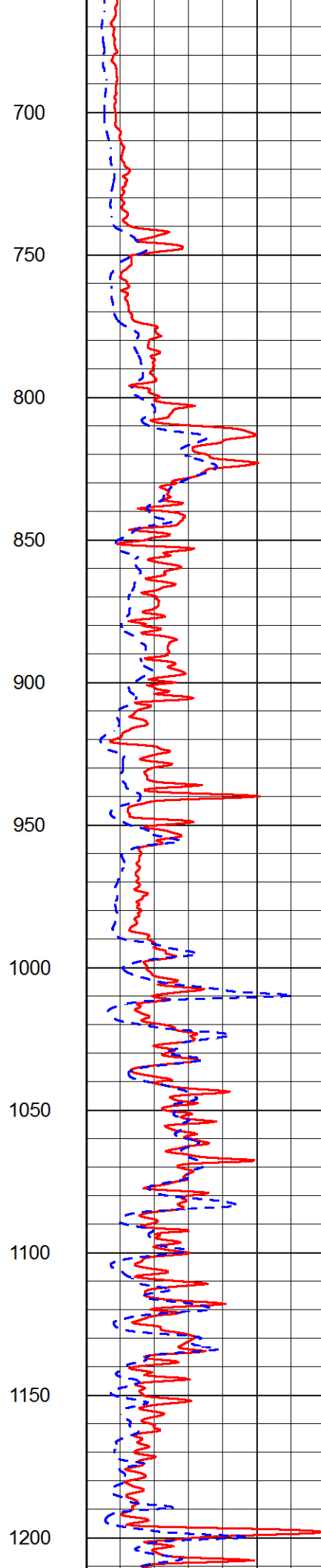
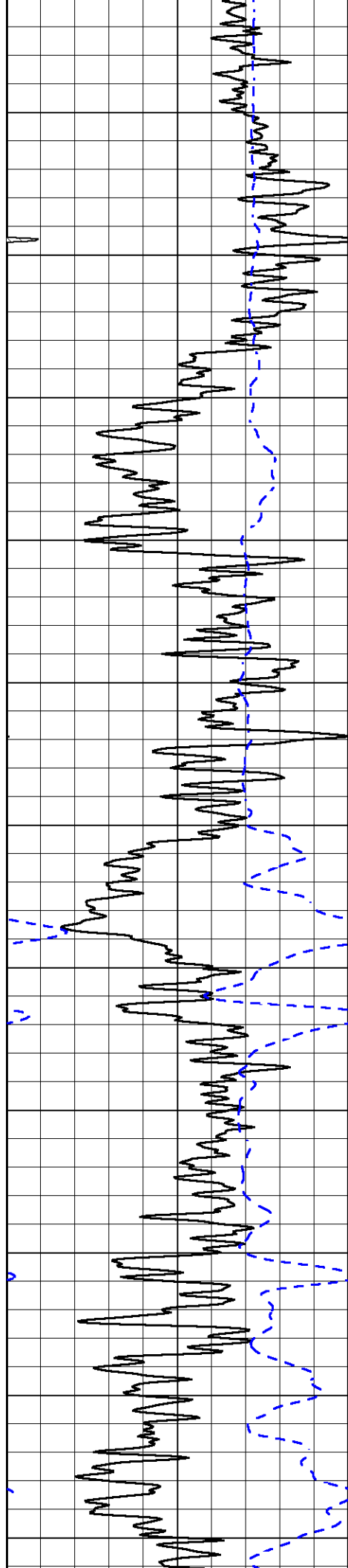
Engineer: J. LONG
Operator:
Operator:
Operator:

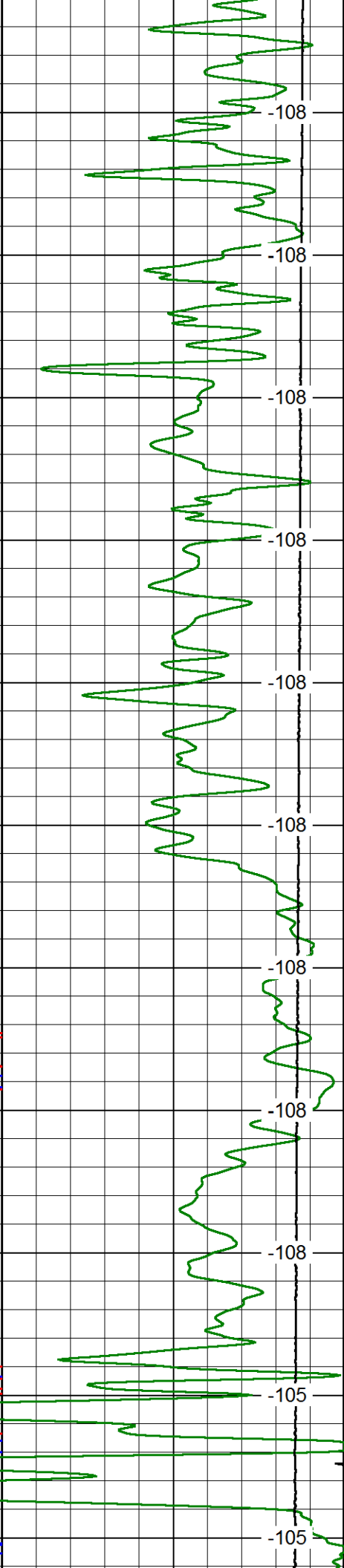
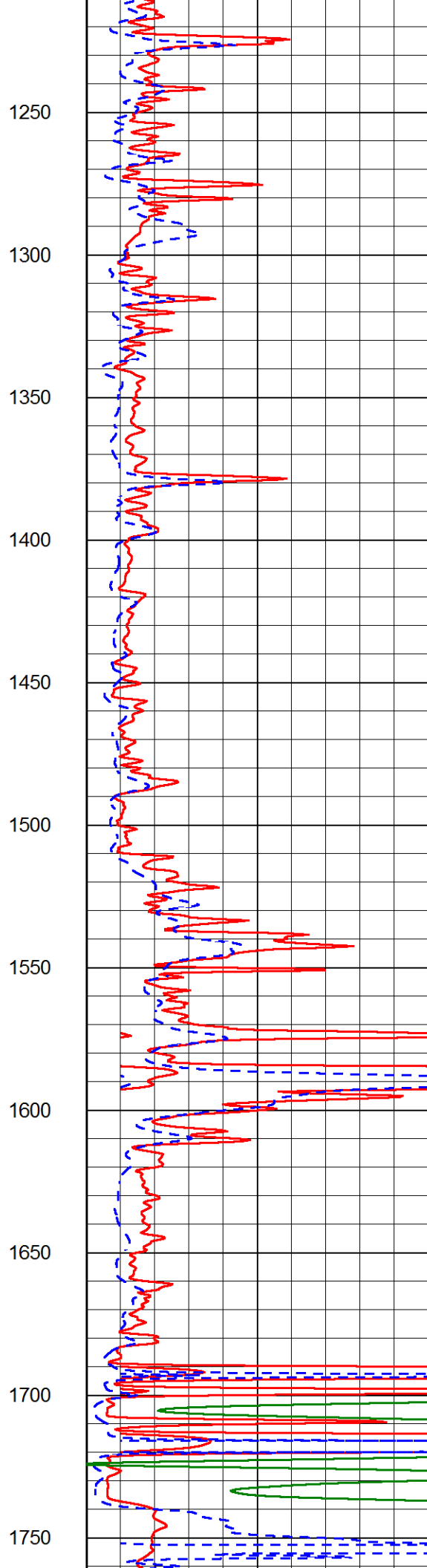
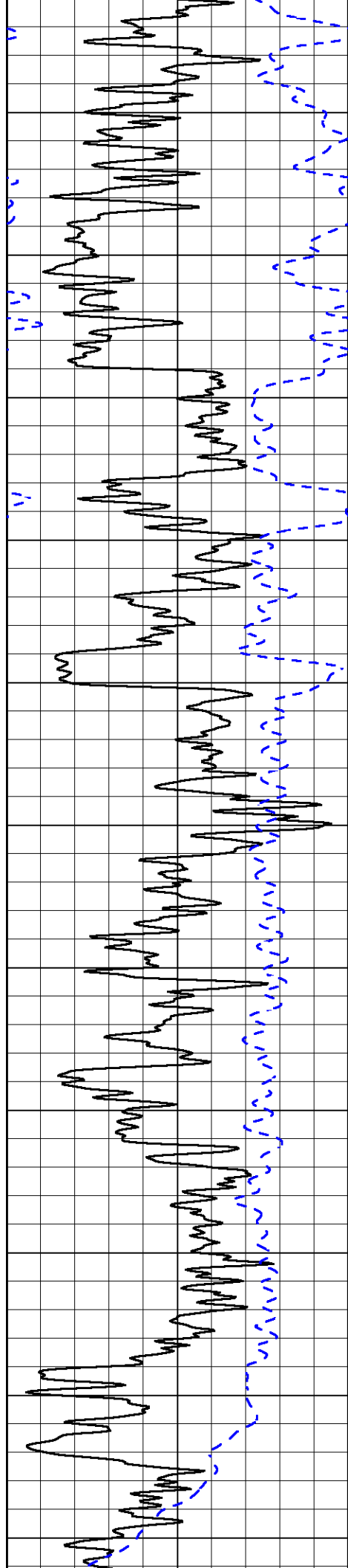
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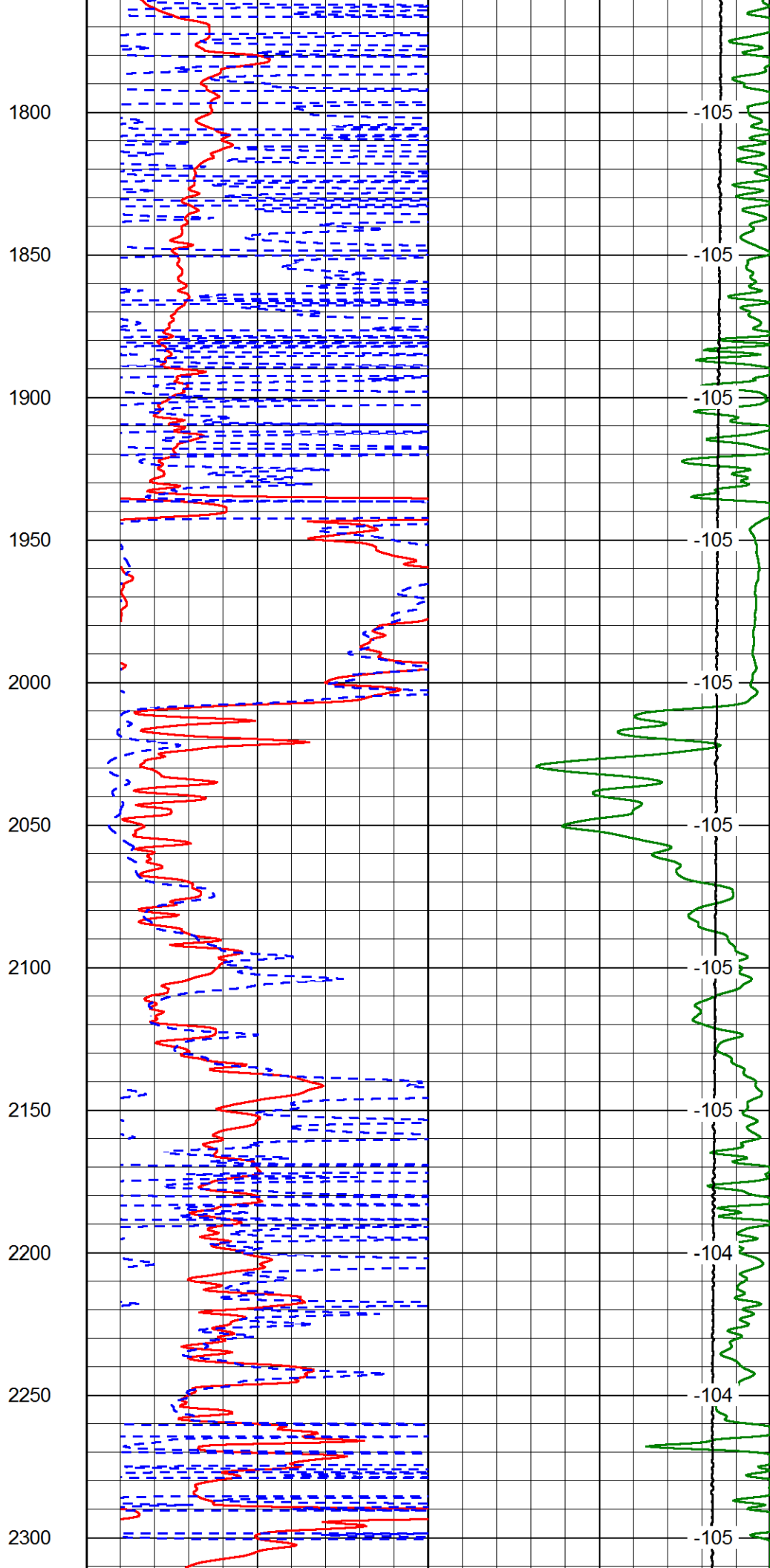
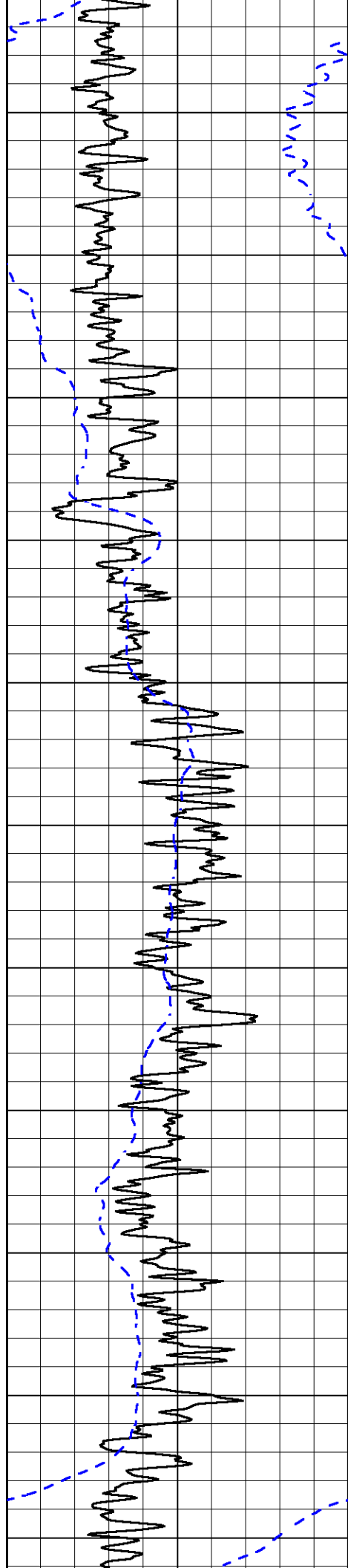
Primary Witness: CHRIS BEAN
Secondary Witness:
Secondary Witness:
Secondary Witness:

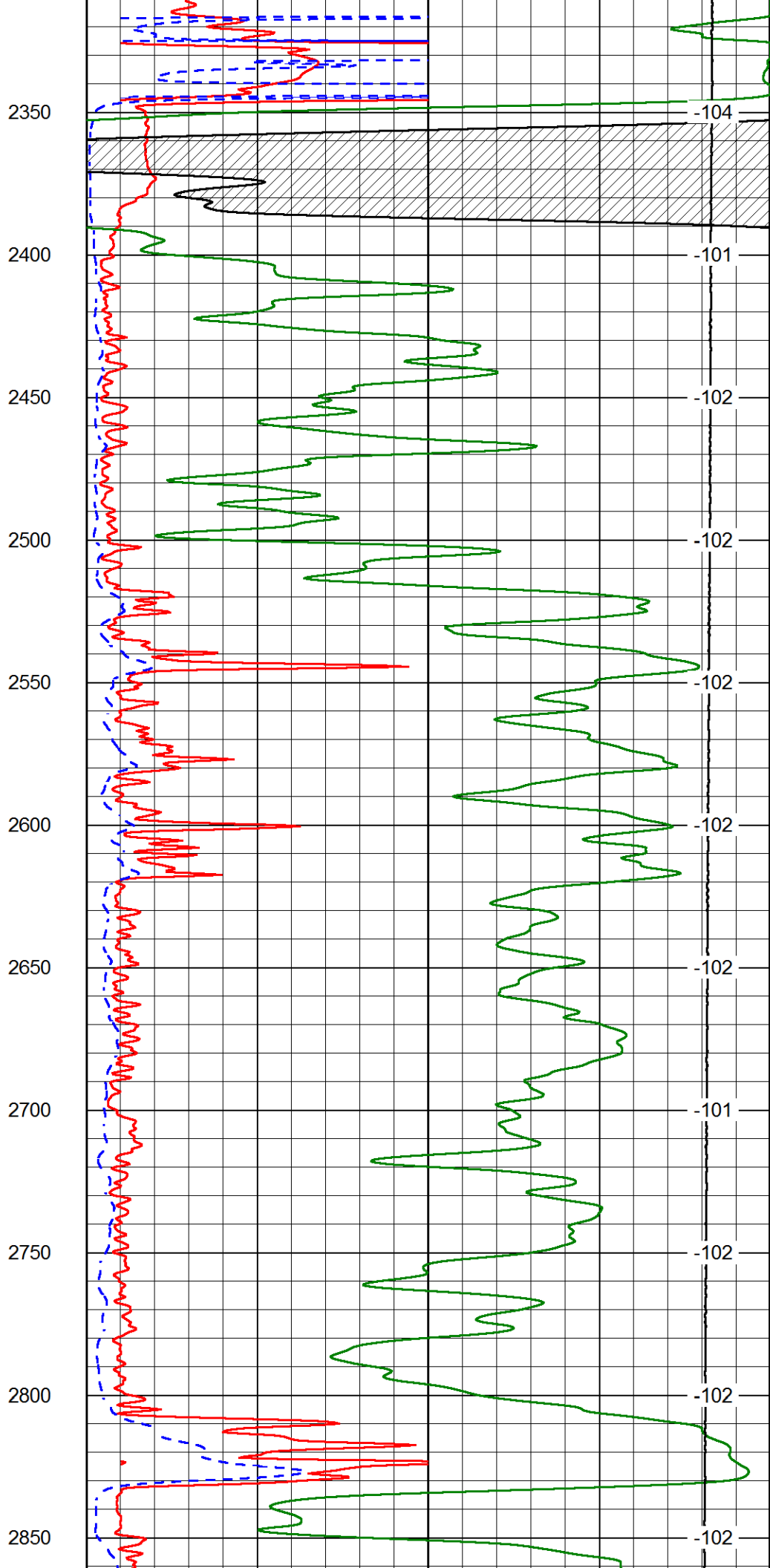
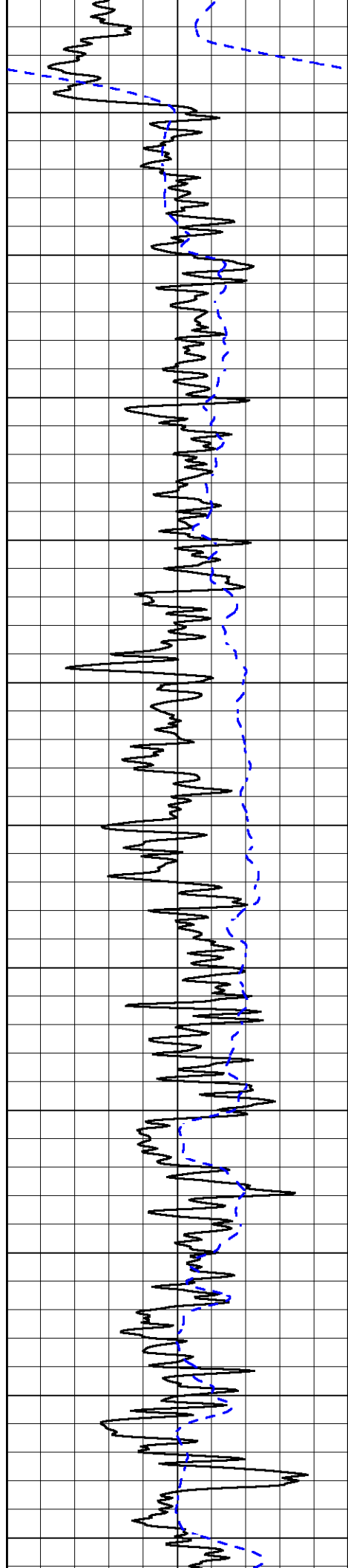
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-200	SP (mV)	0	15000	Line Tension (lb)	0
			0	Shallow Resistivity (Ohm-m)	50
			0	Deep Resistivity (Ohm-m)	50
			Shallow Resistivity		LSPD
			(Ohm-m)		(ft/min)
			50	500	
			50	Deep Resistivity (Ohm-m)	500

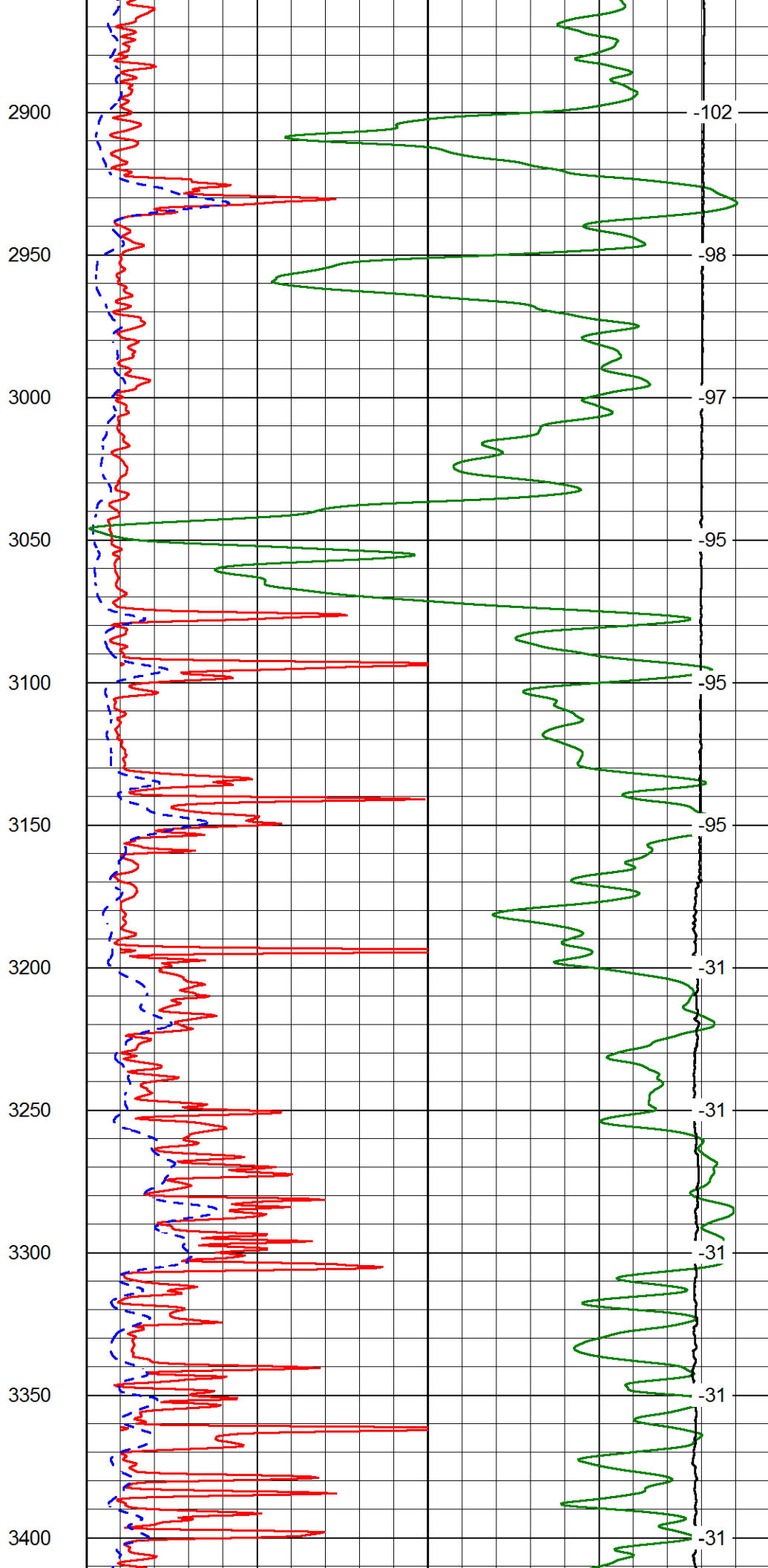
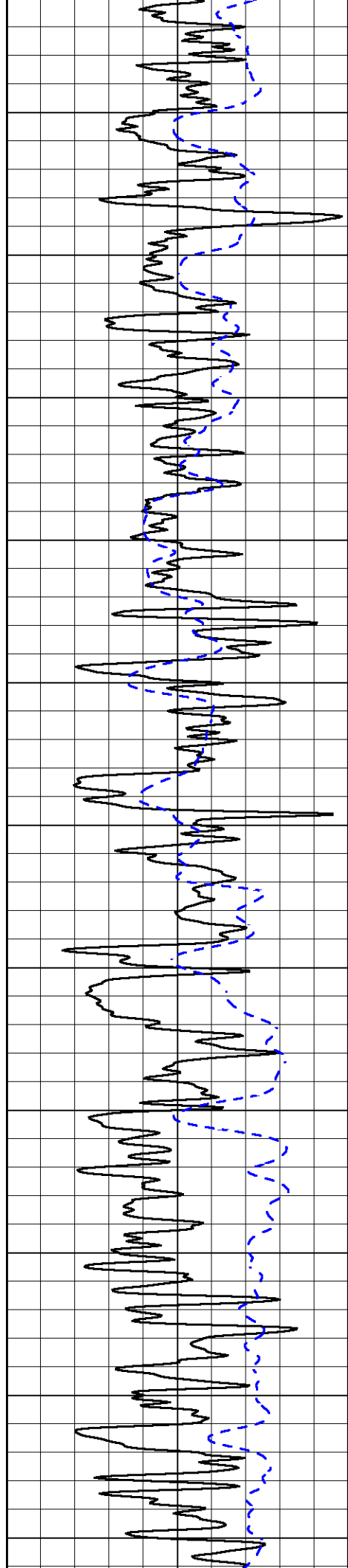


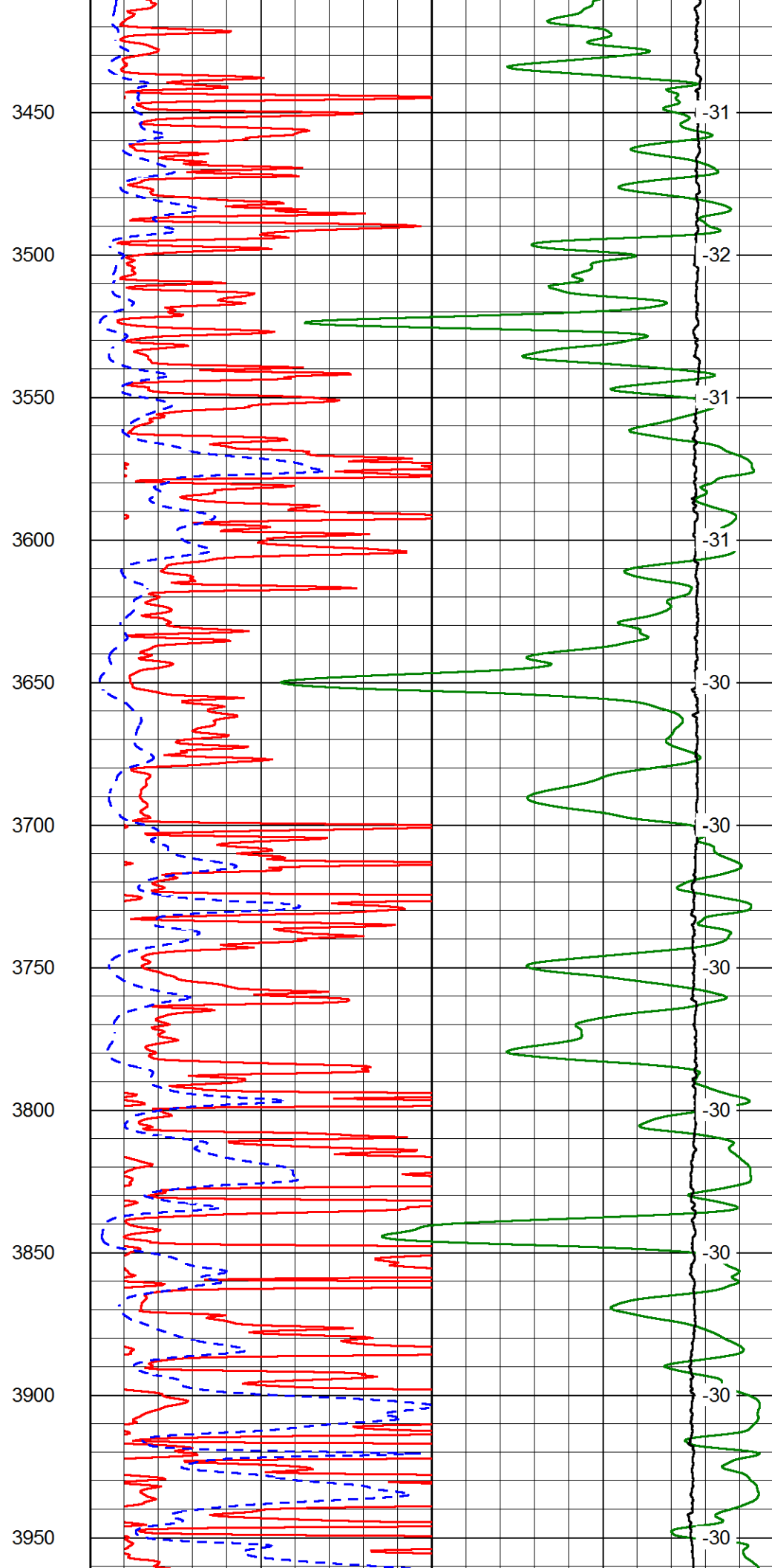
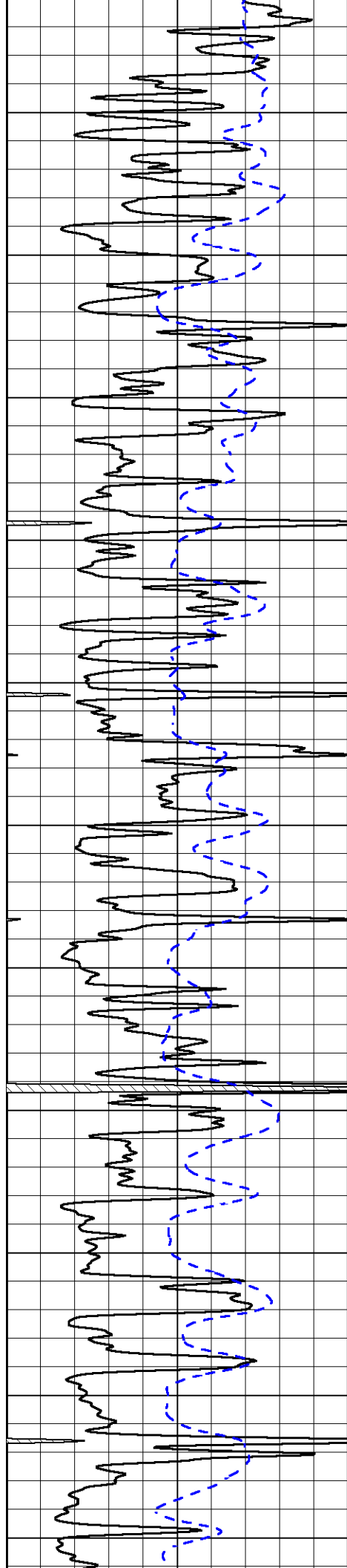


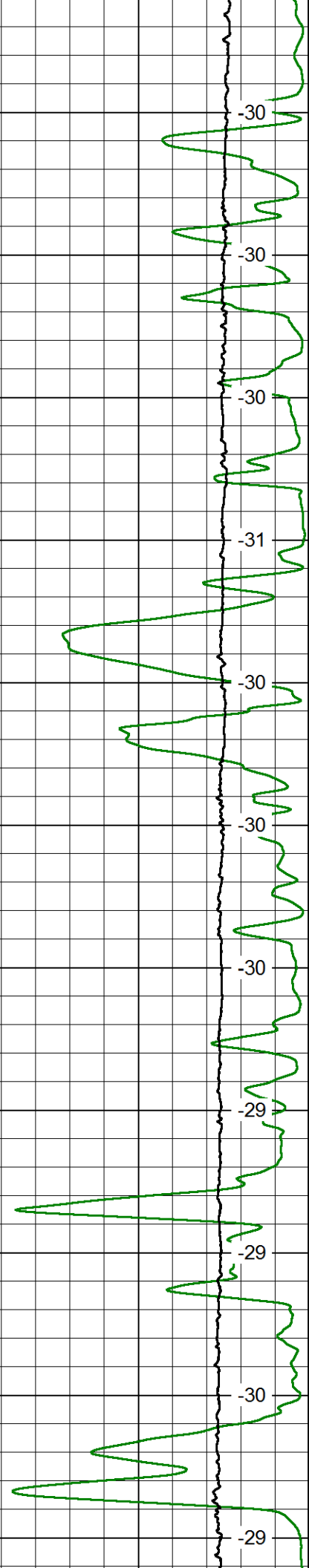
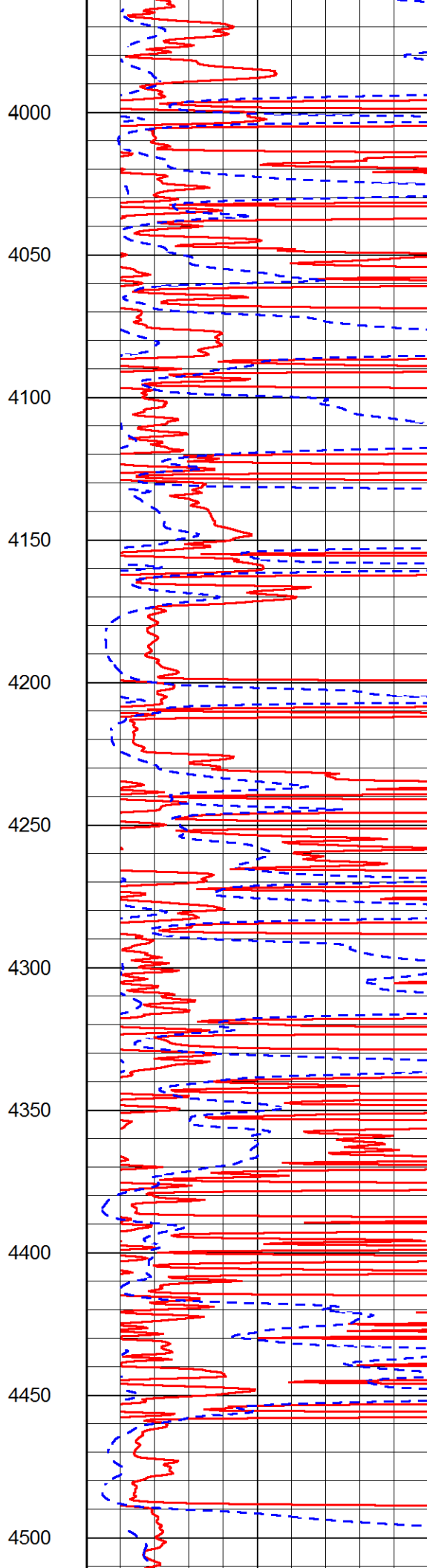
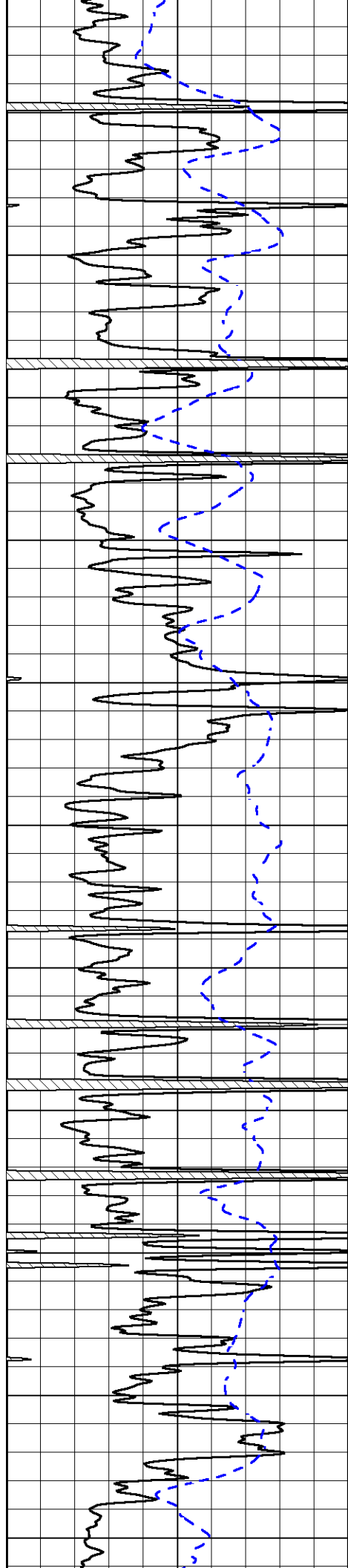


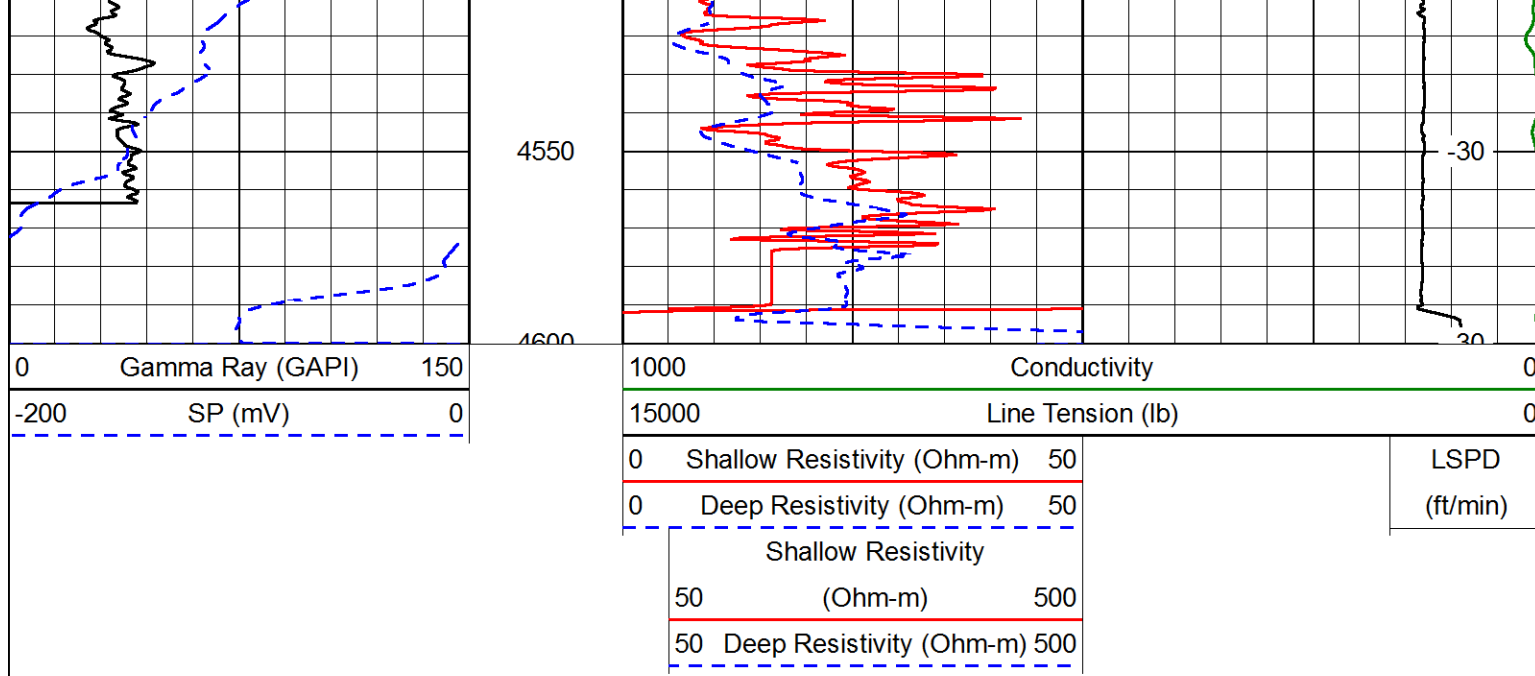










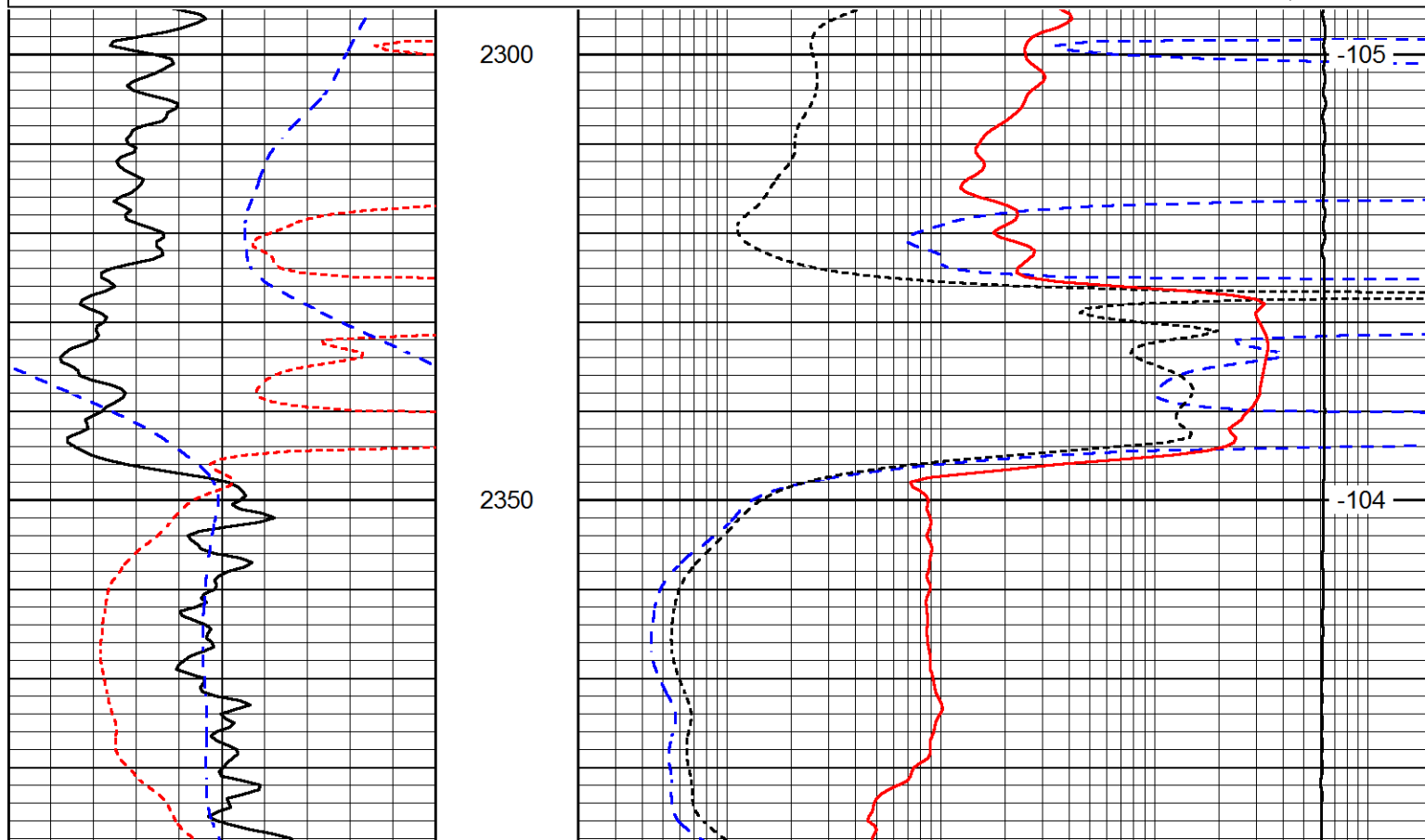


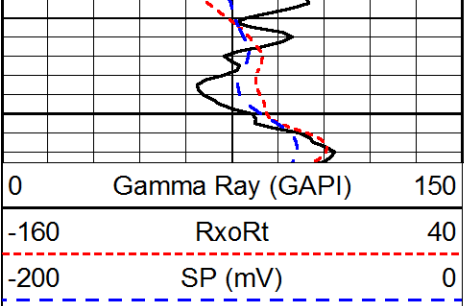
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Presentation Format	dil
Dataset Creation	Sat Aug 15 20:03:12 2015
Charted by	Depth in Feet scaled 1:240

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

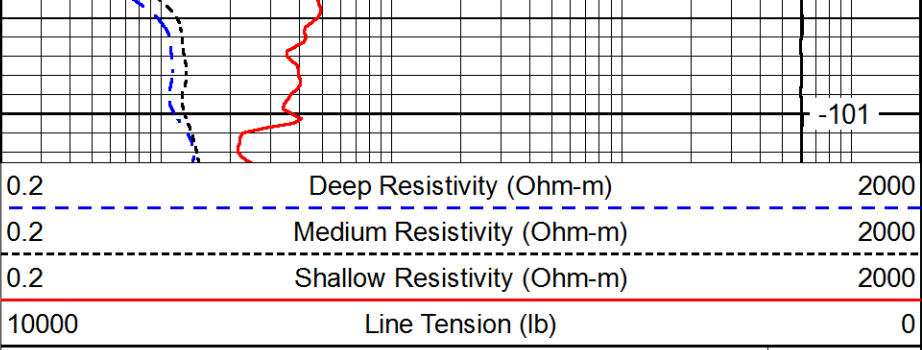
0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
10000	Line Tension (lb)	0

LSPD (ft/min)





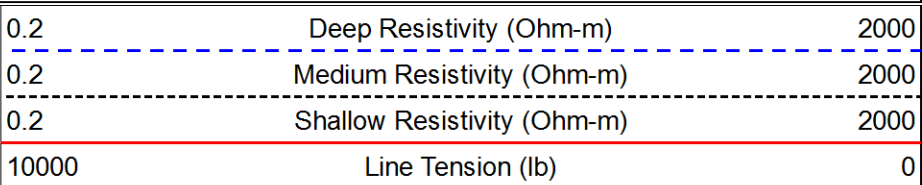
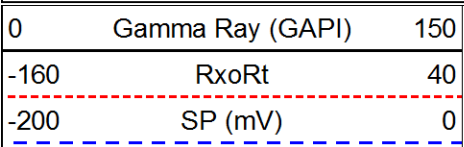
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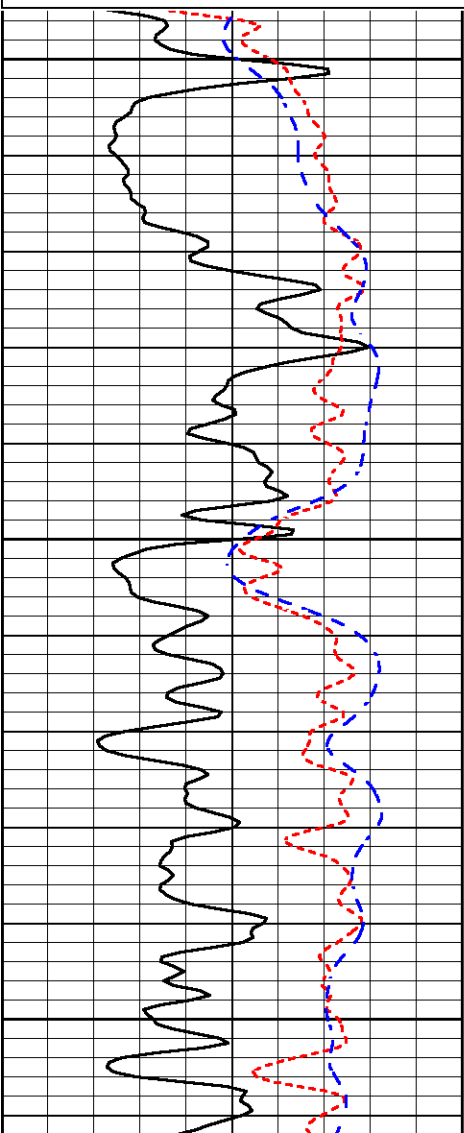
-101

10000		Line Tension (lb)	0
			LSPD (ft/min)

Database File	stratakan_beagley_2-1hd.db
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Presentation Format	dil
Dataset Creation	Sat Aug 15 20:03:12 2015
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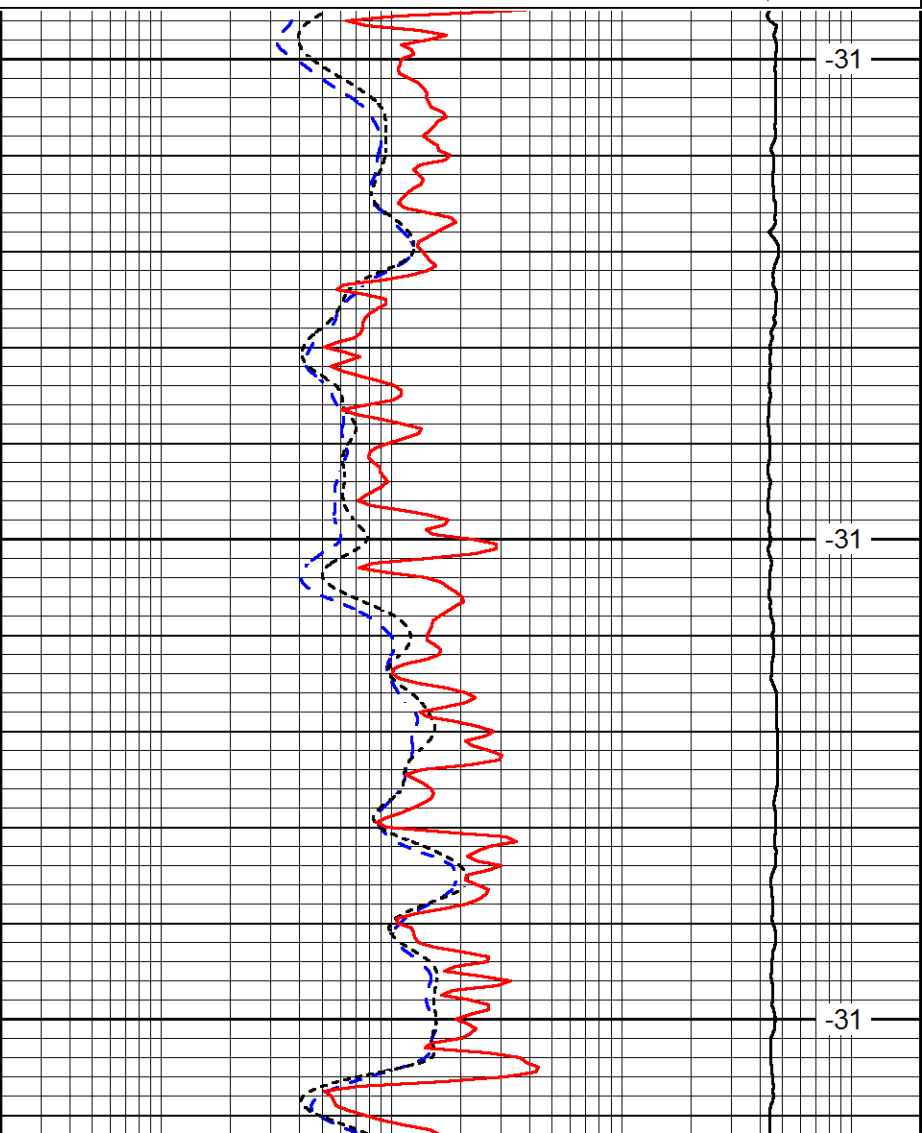
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			LSPD (ft/min)



3200

3250

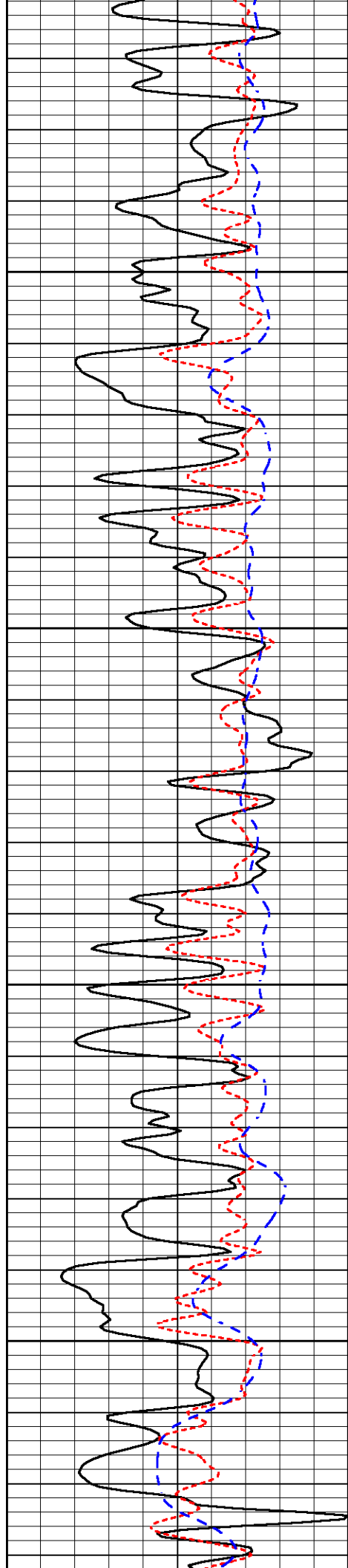
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-31

-31

-31

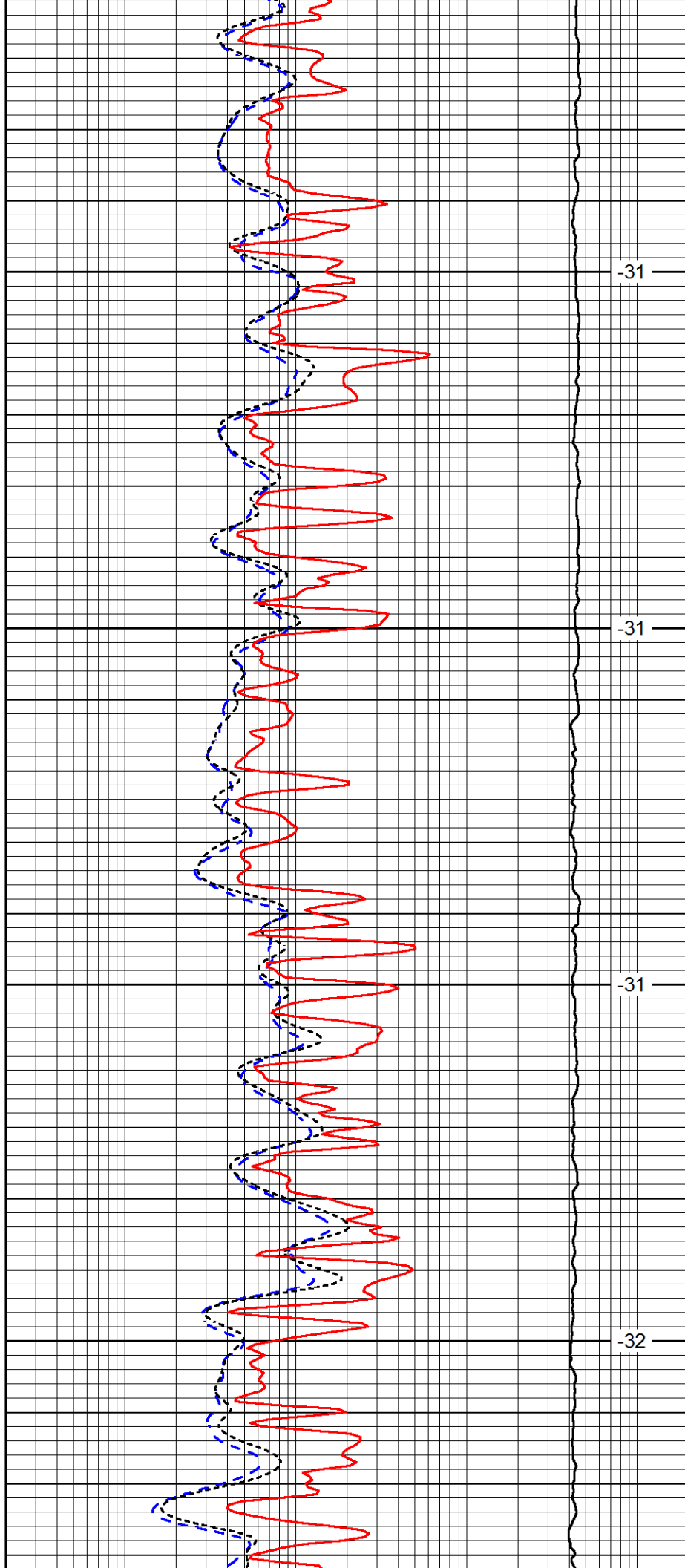


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3400

3450

3500

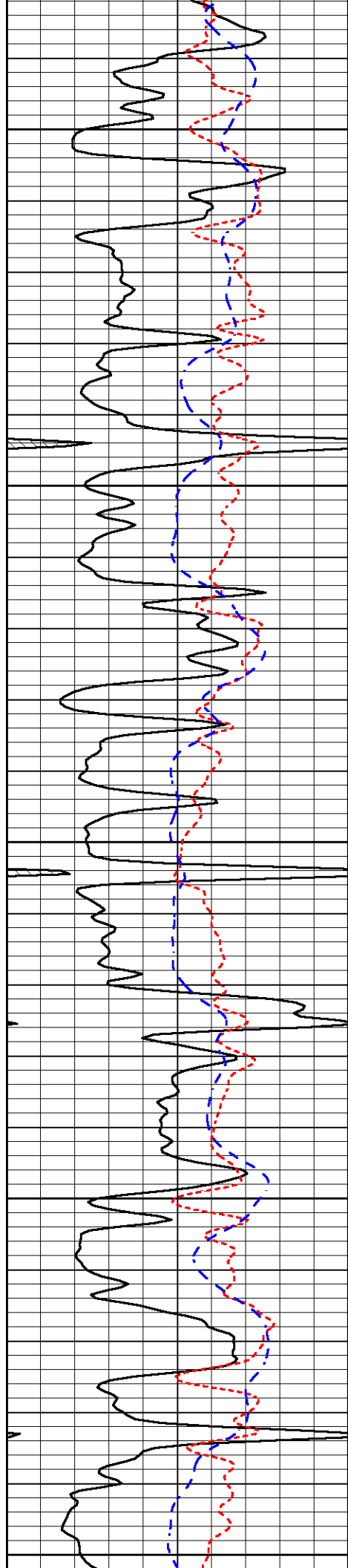


-31

-31

-31

-32



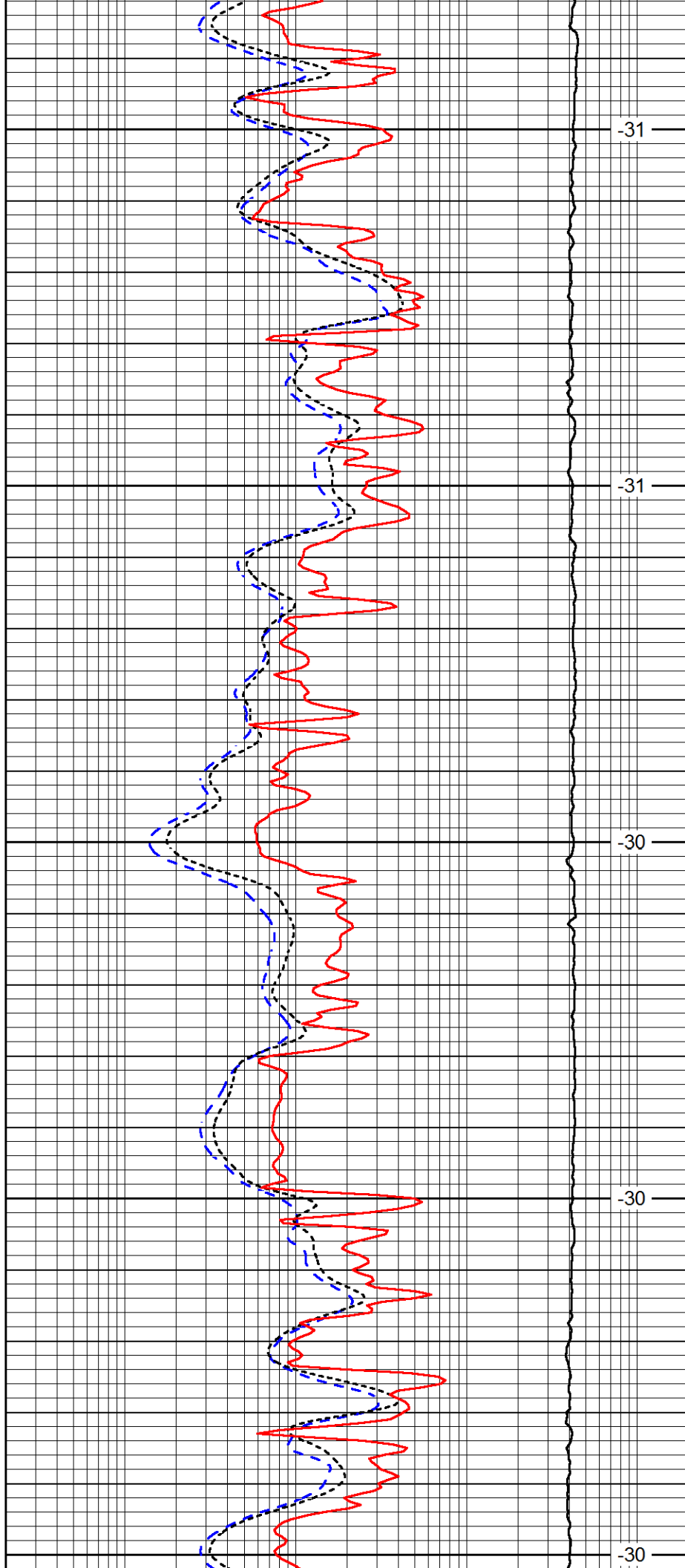
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3600

3650

3700

3750



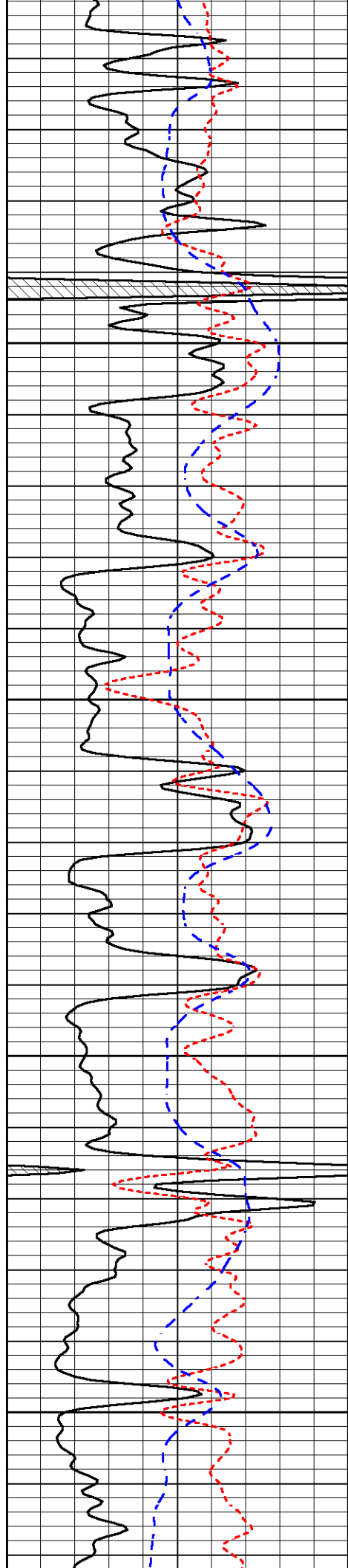
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-31

-30

-30

-30

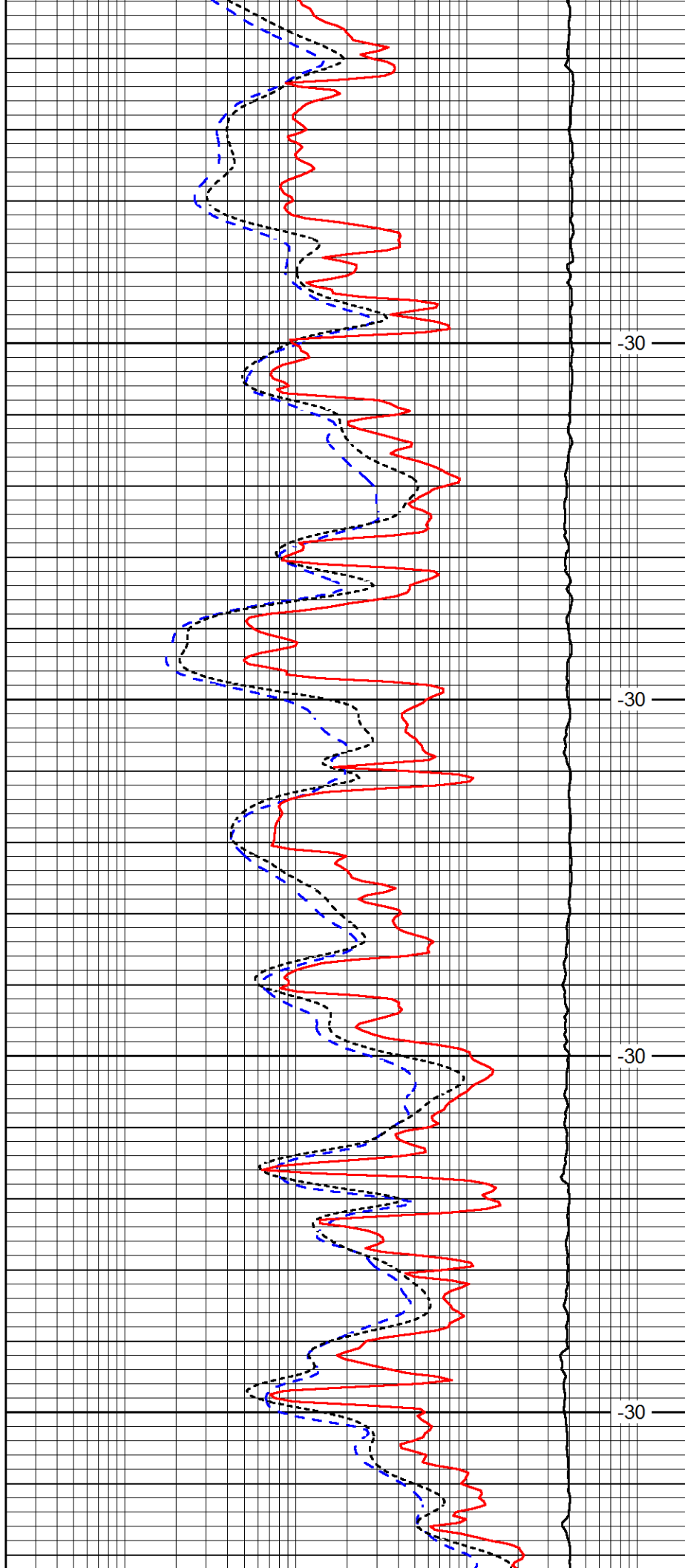


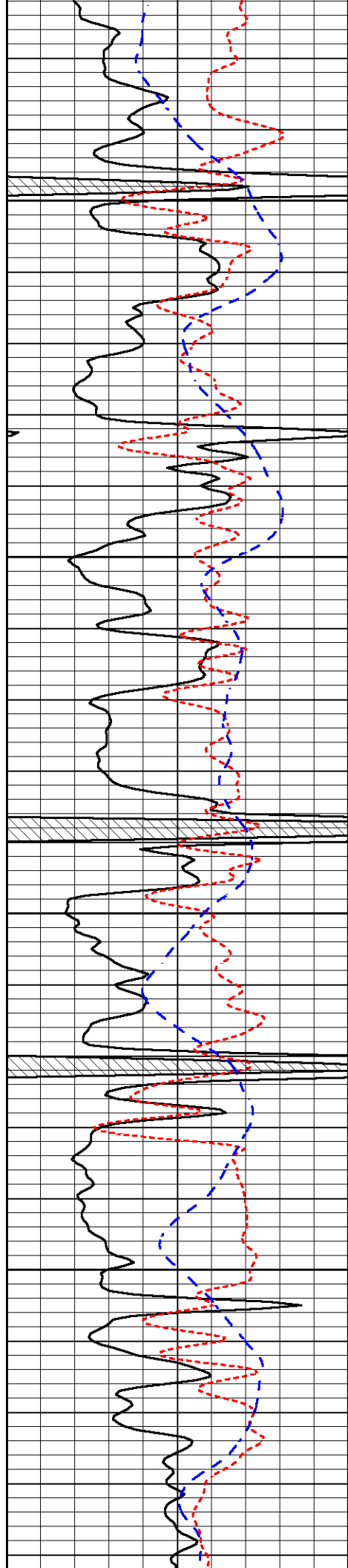
3800

3850

3900

3950



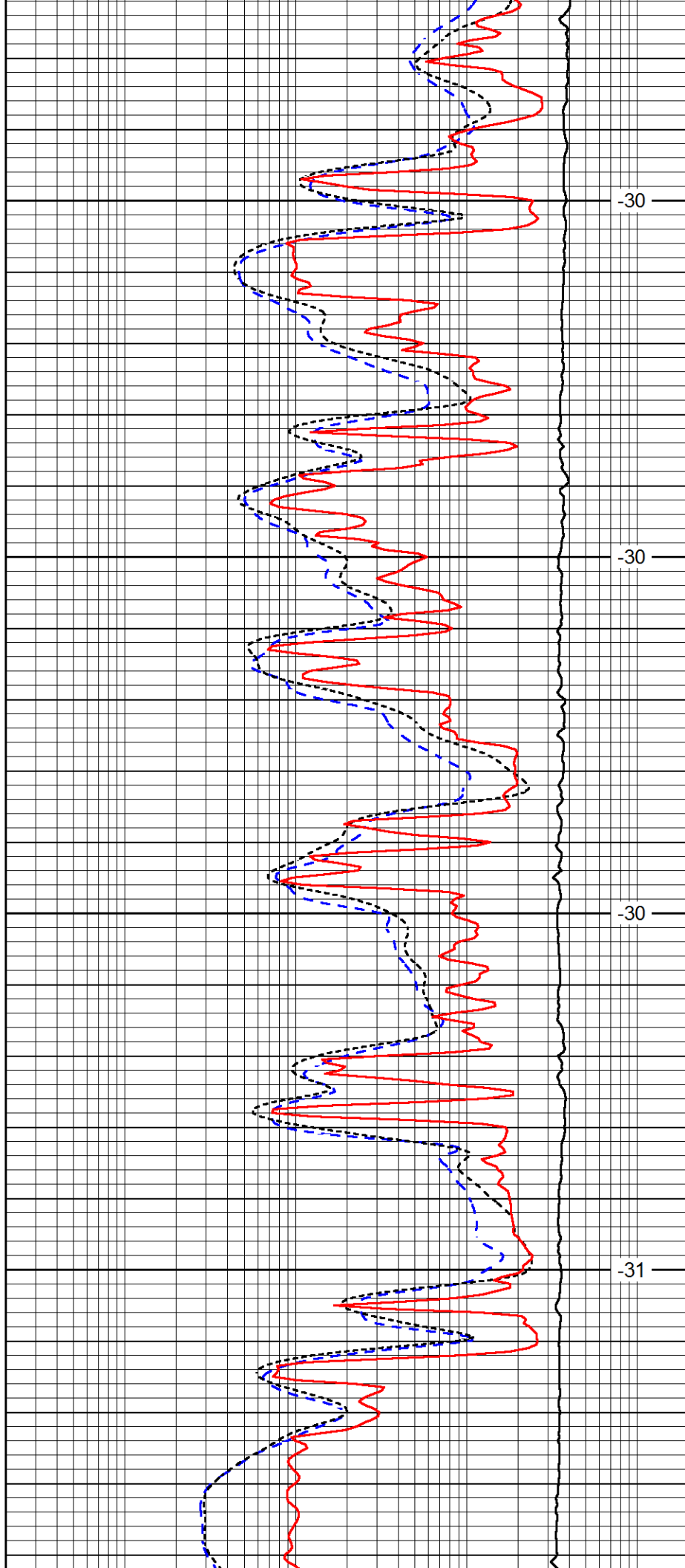


4000

4050

4100

4150

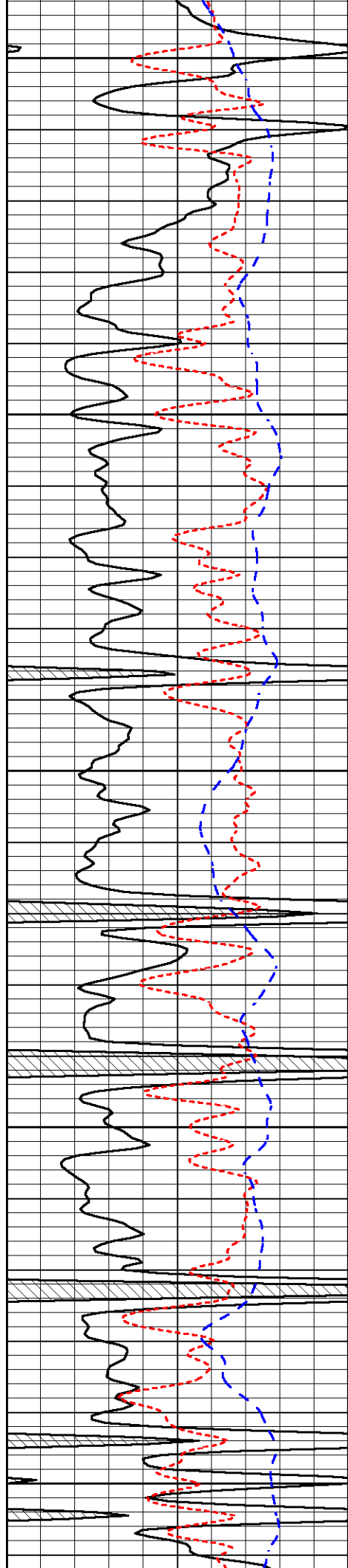


-30

-30

-30

-31



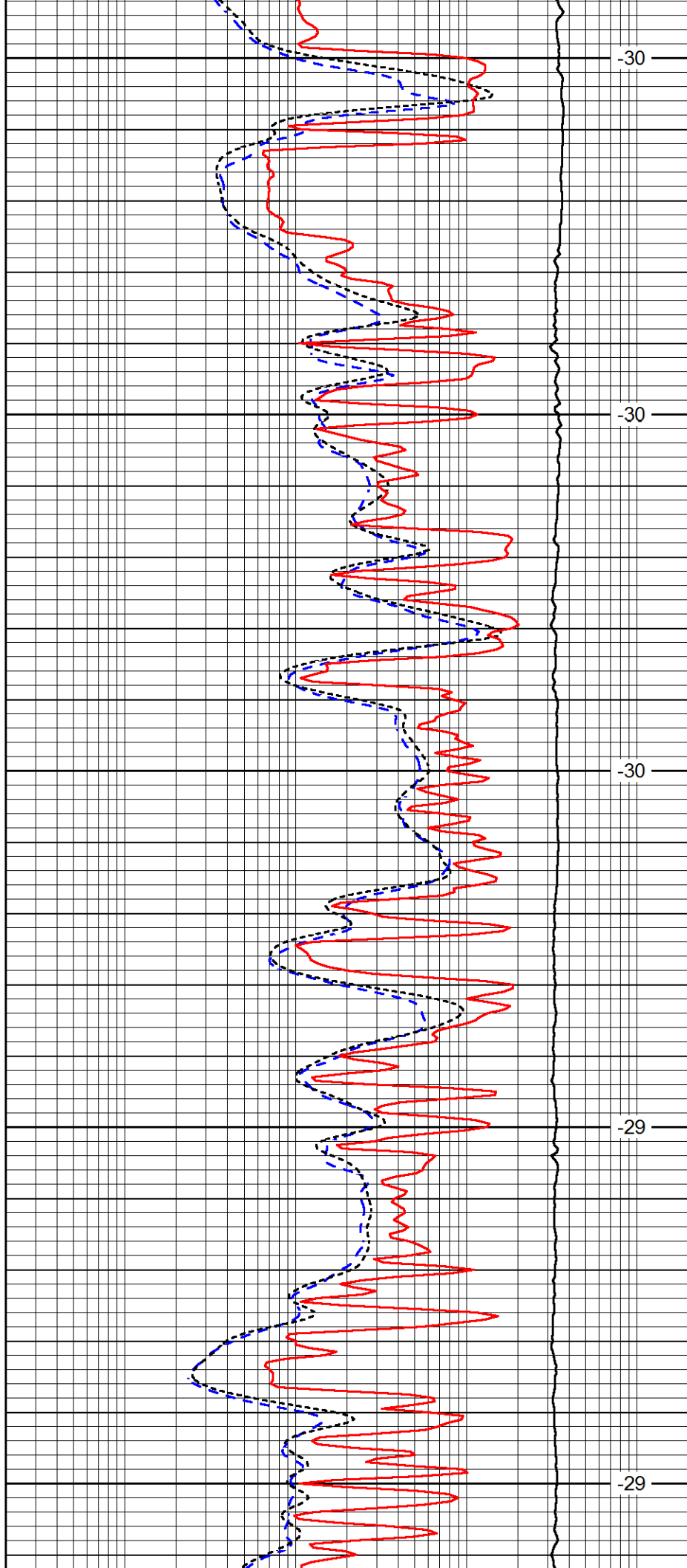
4200

4250

4300

4350

4400



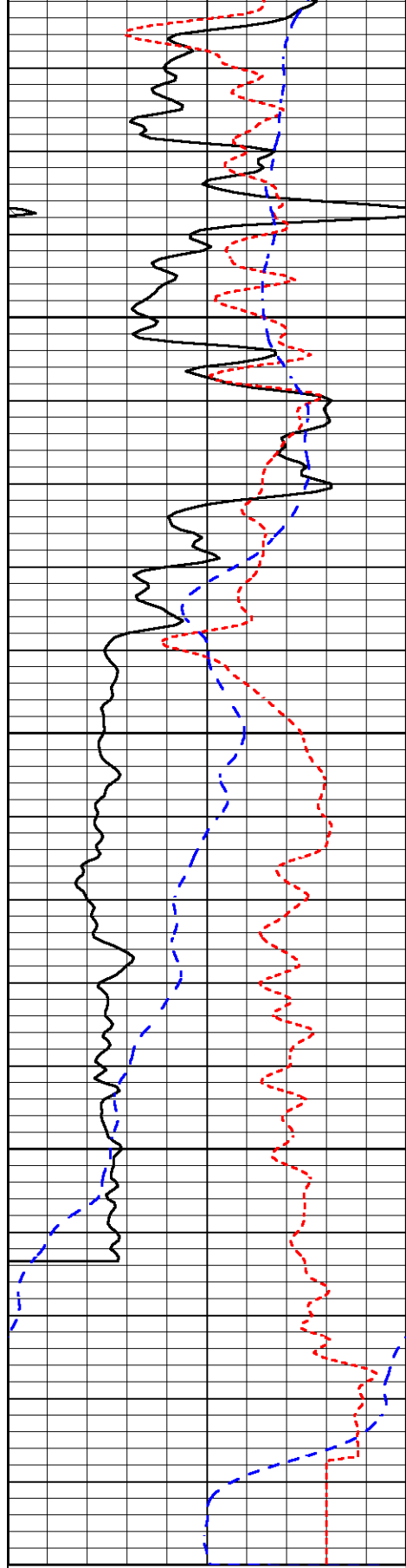
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-30

-30

-29

-29



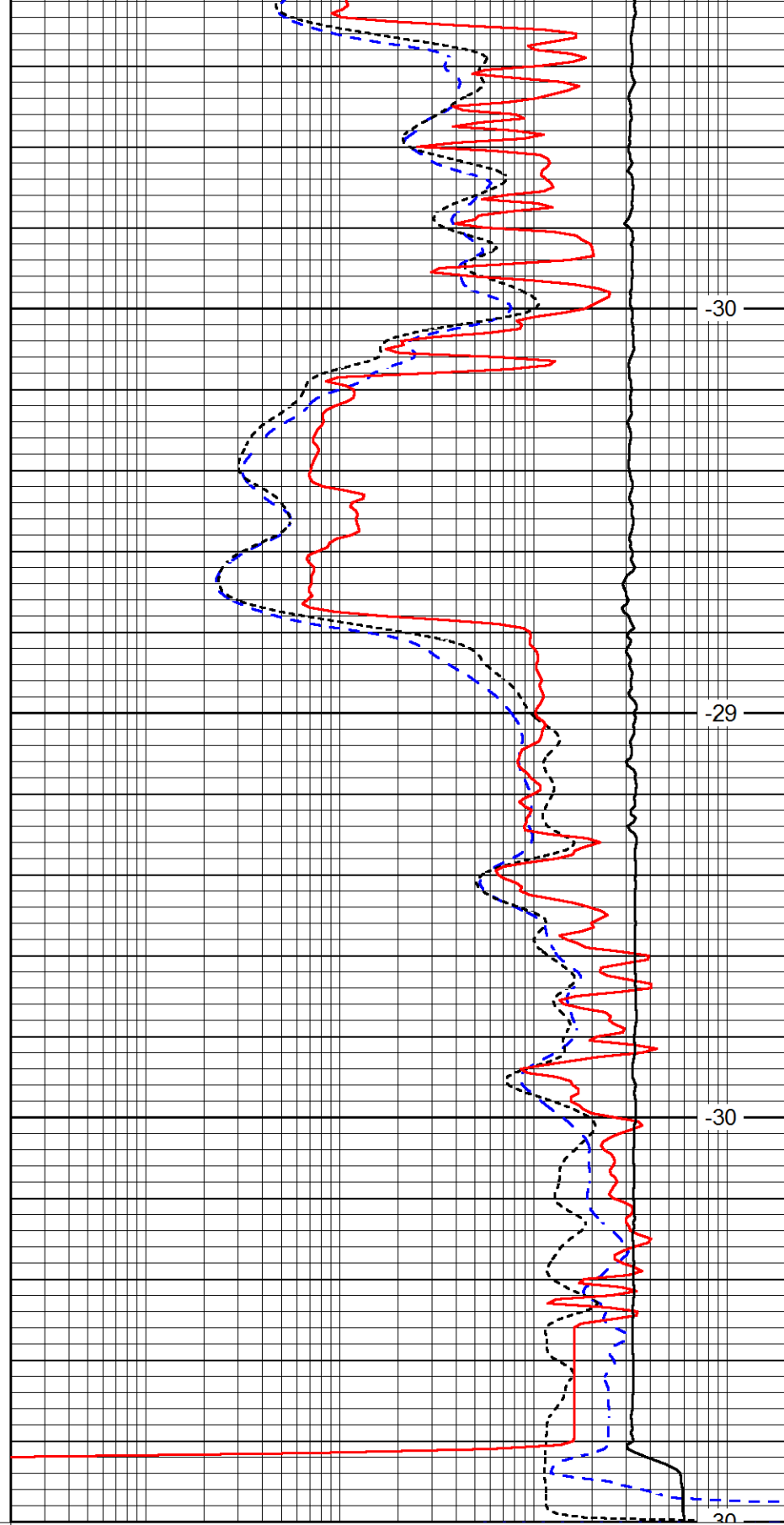
0	Gamma Ray (GAPI)	150
-160	RxoRt	40
-200	SP (mV)	0

4450

4500

4550

4600



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)