



DUAL INDUCTION LOG

Pioneer Energy Services

Company LEBSACK OIL PRODUCTION, INC.
Well GARDEN CITY NO. 8-12
Field WEST DAMME EXT.
County FINNEY
State KANSAS

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Well GARDEN CITY NO. 8-12
Field WEST DAMME EXT.
County FINNEY State KANSAS

Location: API #: 15-055-22,425-00-00
S2 NE NE SE
2,200' FSL & 330' FEL
SEC 12 TWP 22S RGE 34W
Permanent Datum GROUND LEVEL Elevation 2907'
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING
Other Services
CNL/CDL
MEL
Elevation
K.B. 2920'
D.F. N/A
G.L. 2907'

Date	9/17/2015		
Run Number	ONE		
Depth Driller	4860'		
Depth Logger	4859'		
Bottom Logged Interval	4858'		
Top Log Interval	400'		
Casing Driller	8,625" @ 436'		
Casing Logger	436'		
Bit Size	7.875"		
Type Fluid in Hole	CHEMICAL		
Salinity, ppm CL	1400		
Density / Viscosity	9.3 50		
pH / Fluid Loss	11.0 9.6		
Source of Sample	Flowline		
Rm @ Meas. Temp	.85 @ 75		
Rmt @ Meas. Temp	.64 @ 75		
Rmc @ Meas. Temp	1.15 @ 75		
Source of Rmt / Rmc	Charts		
Rm @ BHT	.51 @ 125		
Operating Rig Time	3 HOURS		
Max Rec. Temp. F	125		
Equipment Number	108		
Location	Hays		
Recorded By	J. LONG		
Witnessed By	JOSH AUSTIN		

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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.

SCOTT CITY, SOUTH TO TENNIS ROAD, 6 WEST, 1/2 SOUTH, WEST INTO

Log Measured From: KELLY BUSHING 13 Ft. Above Permanent Datum

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

Your Pioneer Energy Services Crew

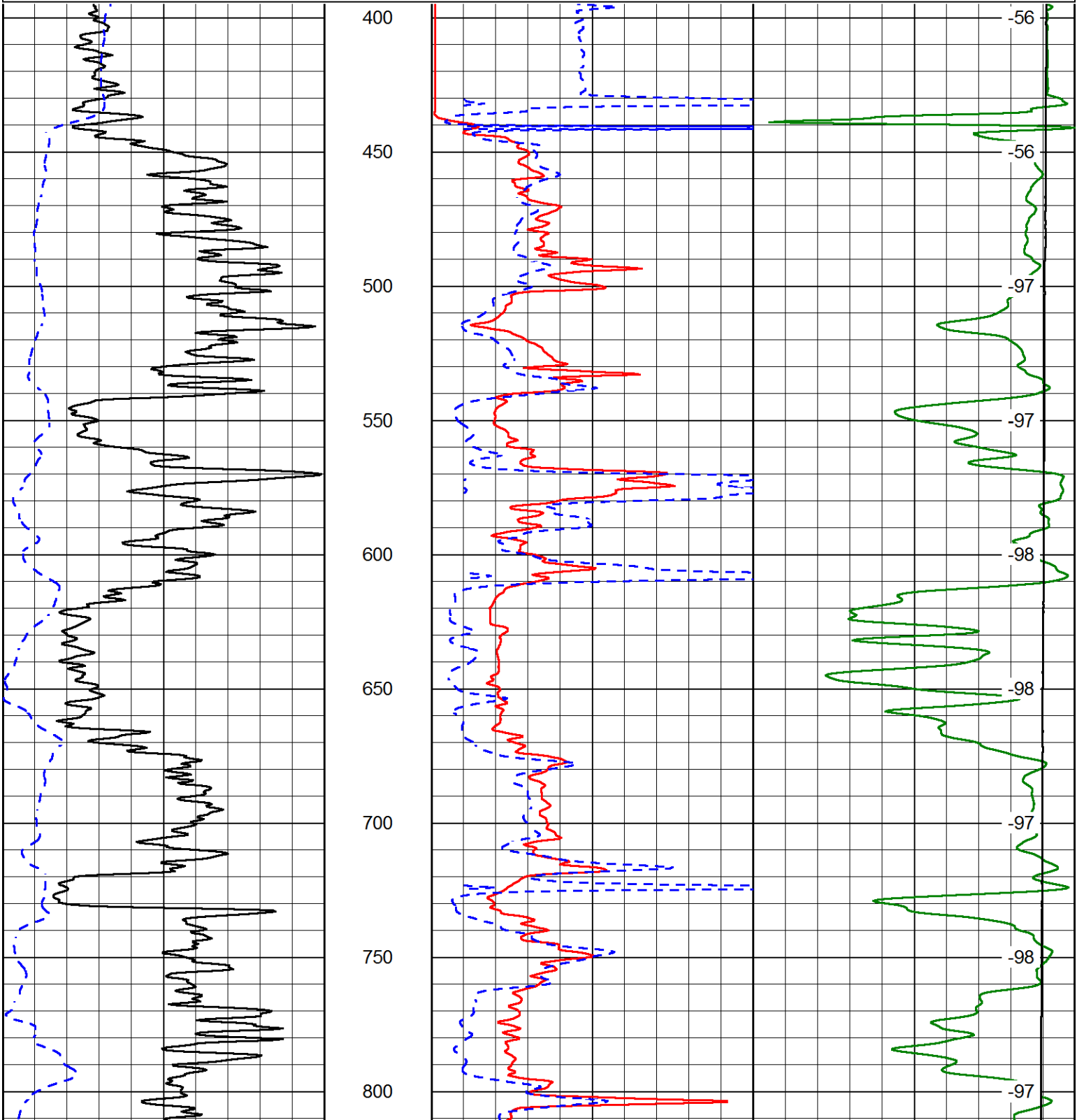
Engineer: J. LONG
Operator:
Operator:
Operator:

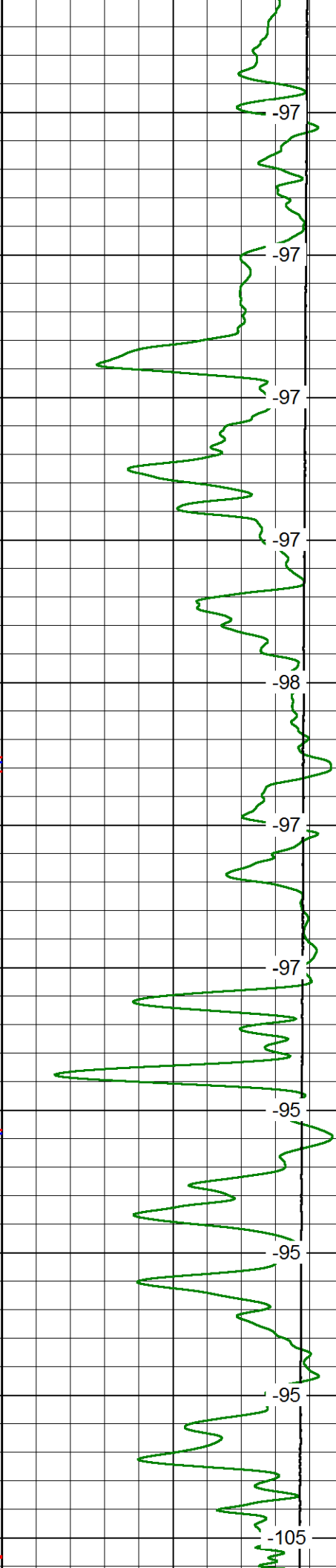
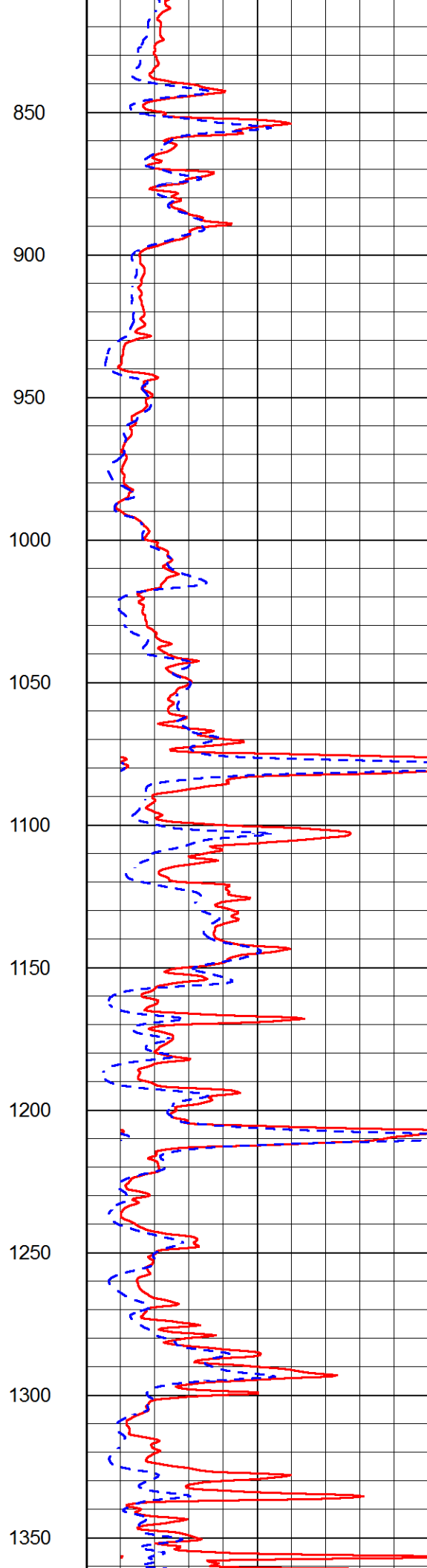
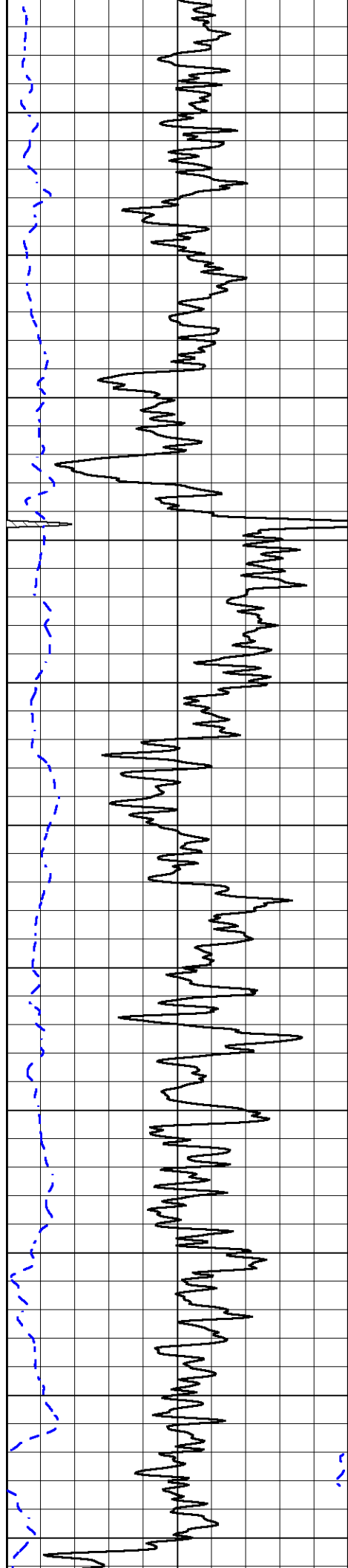
This Log Record Was Witnessed By

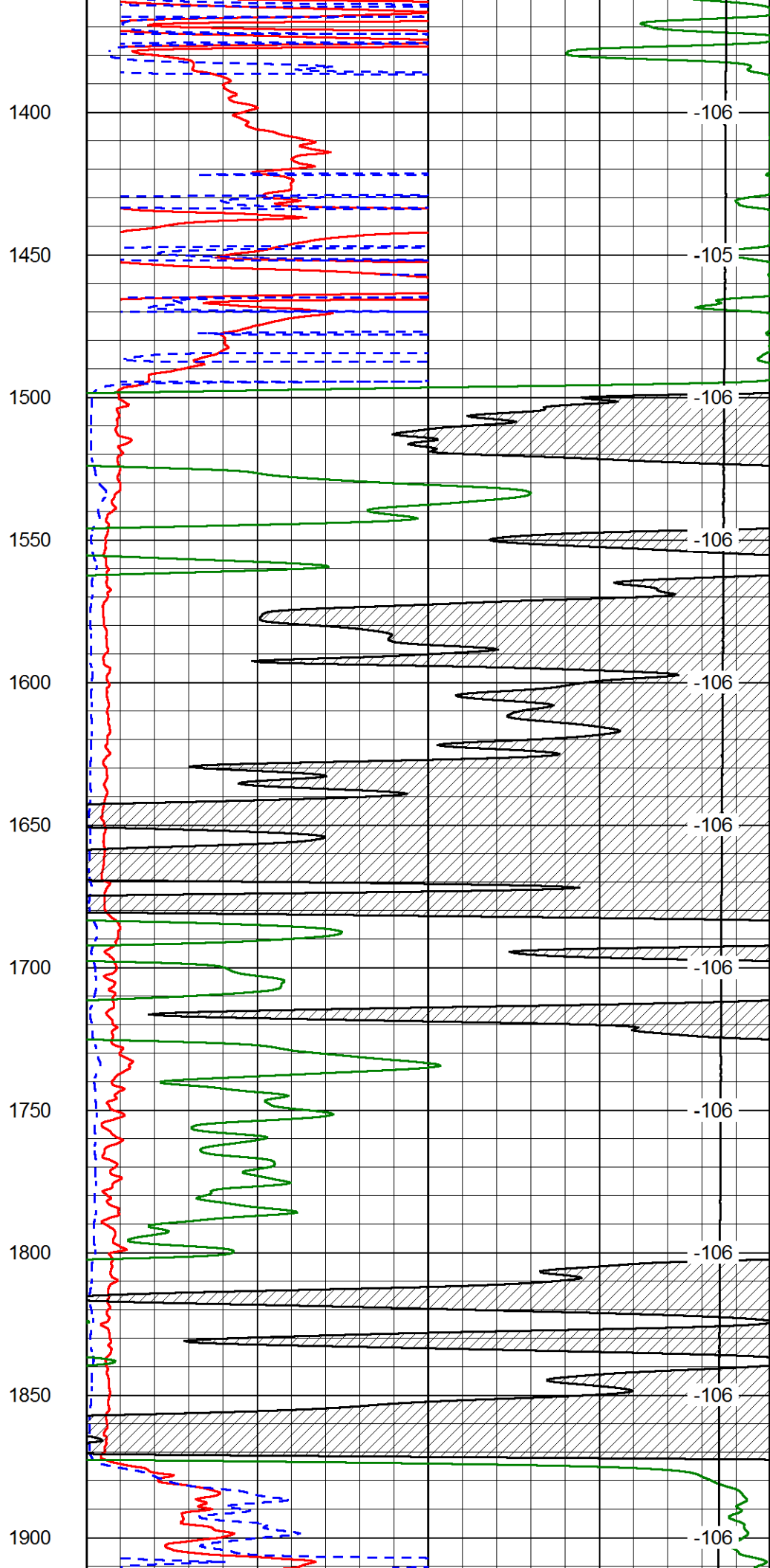
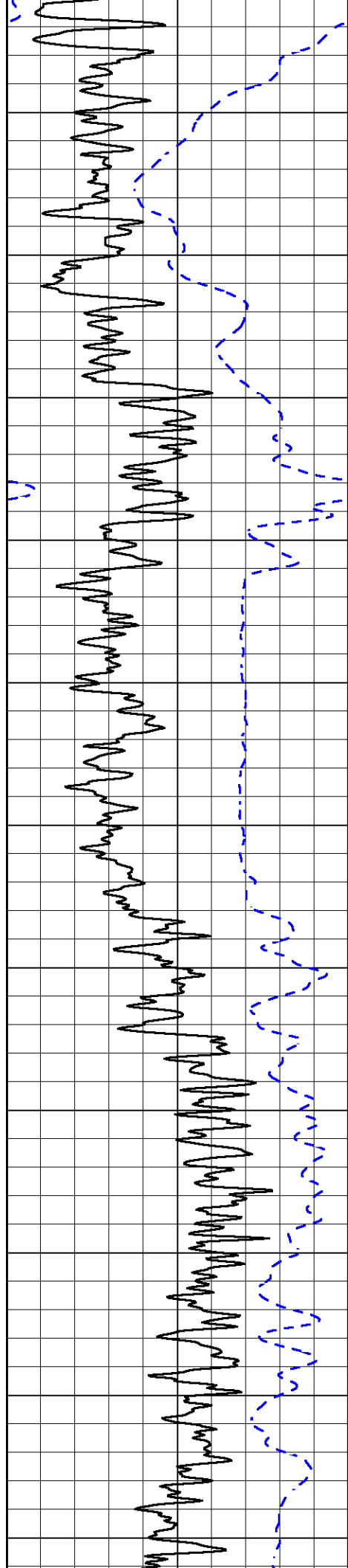
Primary Witness: JOSH AUSTIN
Secondary Witness:
Secondary Witness:
Secondary Witness:

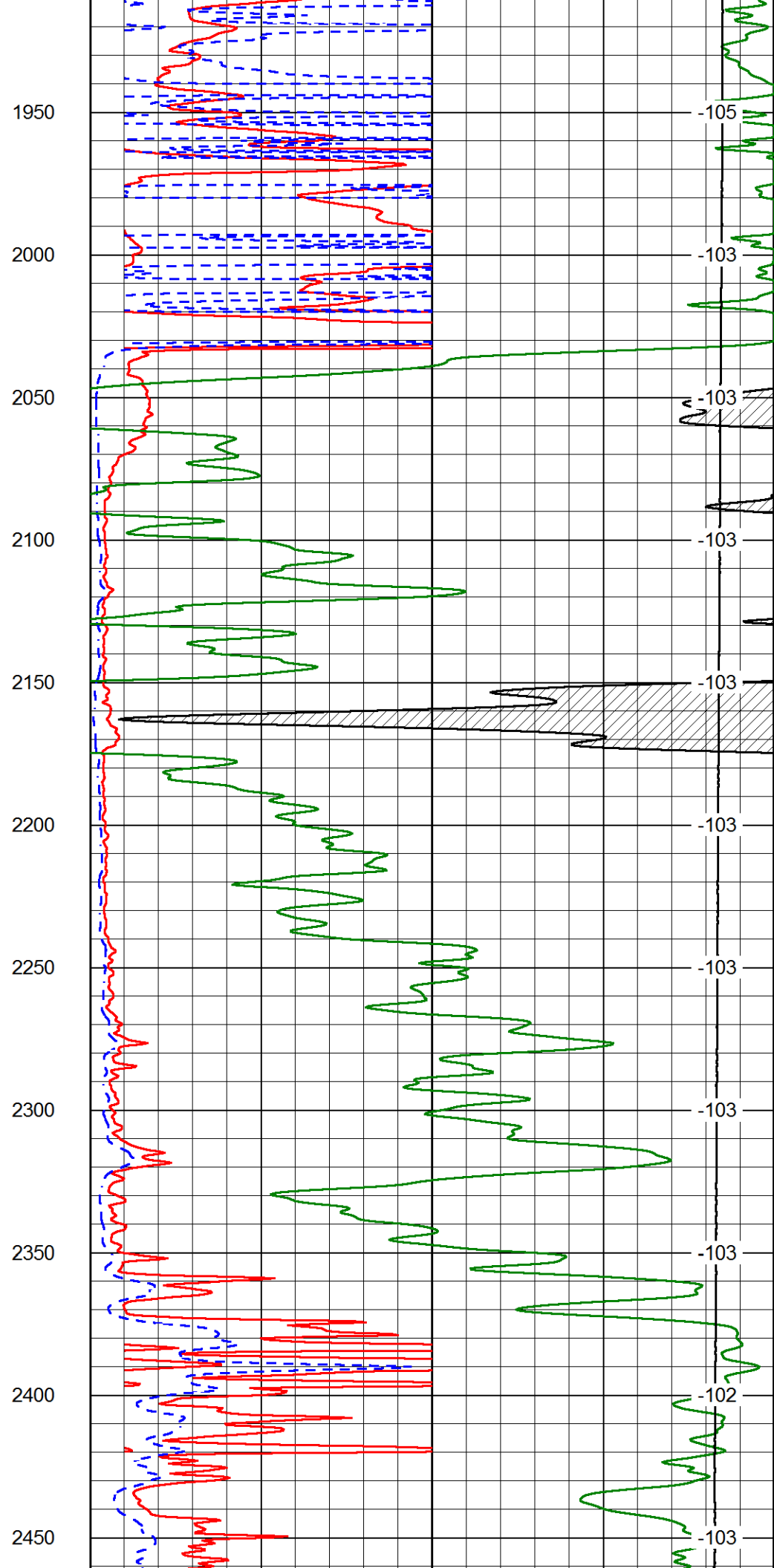
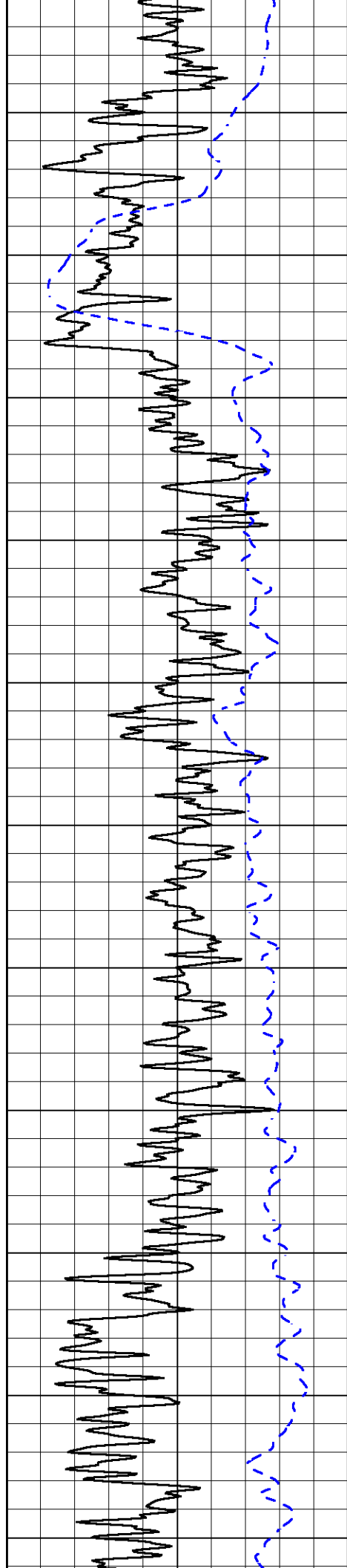
Database File	lebsack_gardencity_8-12hd.db
Dataset Pathname	DIL/lebstck
Presentation Format	dil2in
Dataset Creation	Thu Sep 17 10:30:13 2015
Charted by	Depth in Feet scaled 1:600

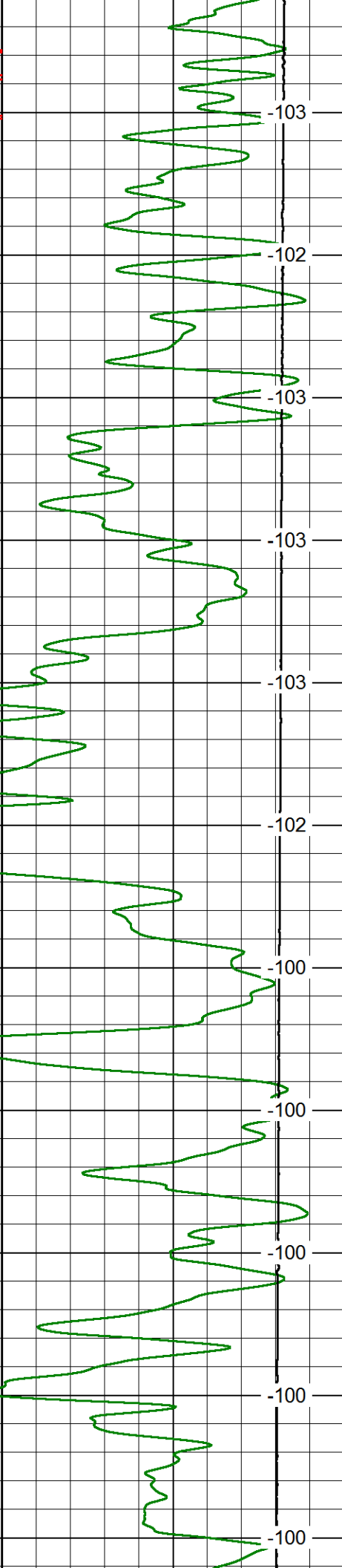
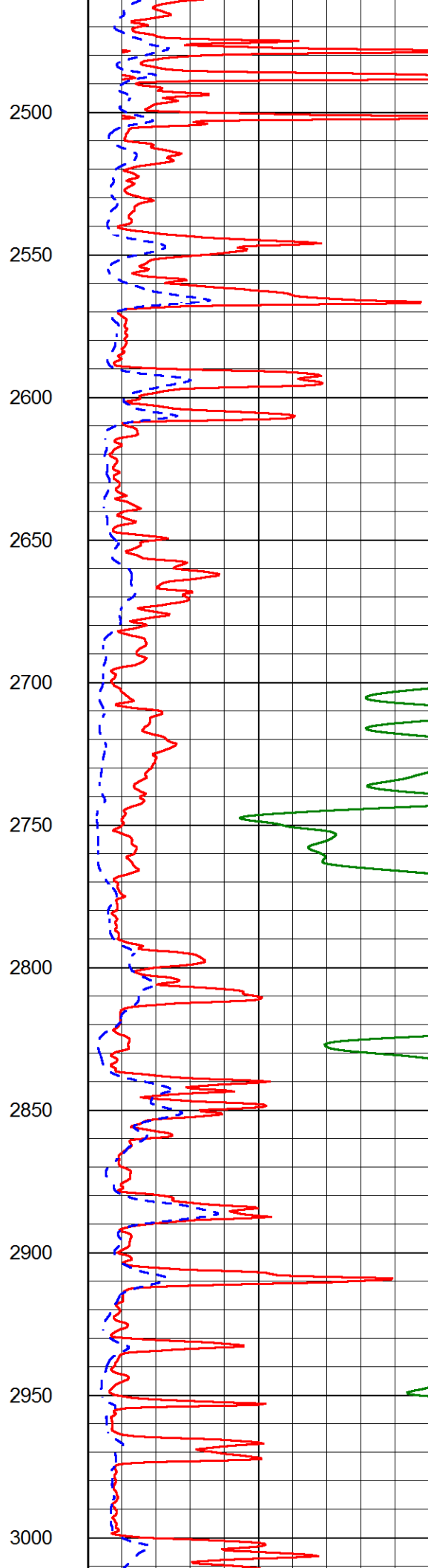
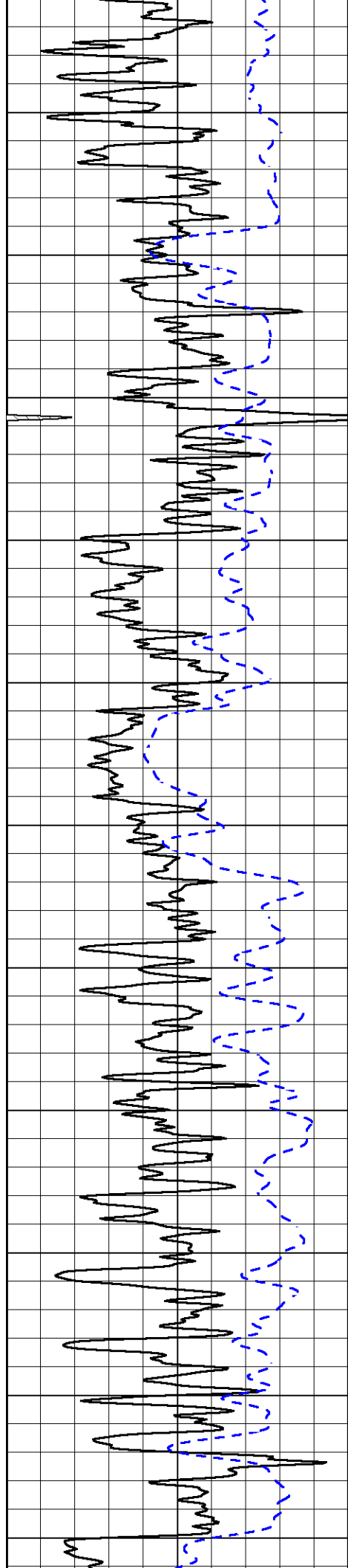
0	Gamma Ray (GAPI)	150	1000	Conductivity	0
-200	SP (mV)	0	15000	Line Tension (lb)	0
			0	Shallow Resistivity (Ohm-m)	50
			0	Deep Resistivity (Ohm-m)	50
			Shallow Resistivity		LSPD
			(Ohm-m)		(ft/min)
			50	500	
			50	Deep Resistivity (Ohm-m)	500

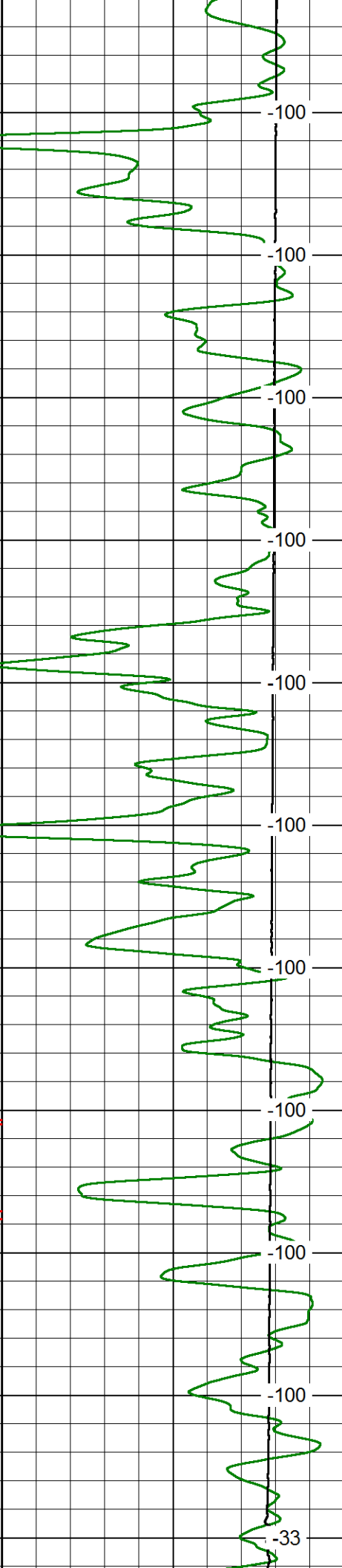
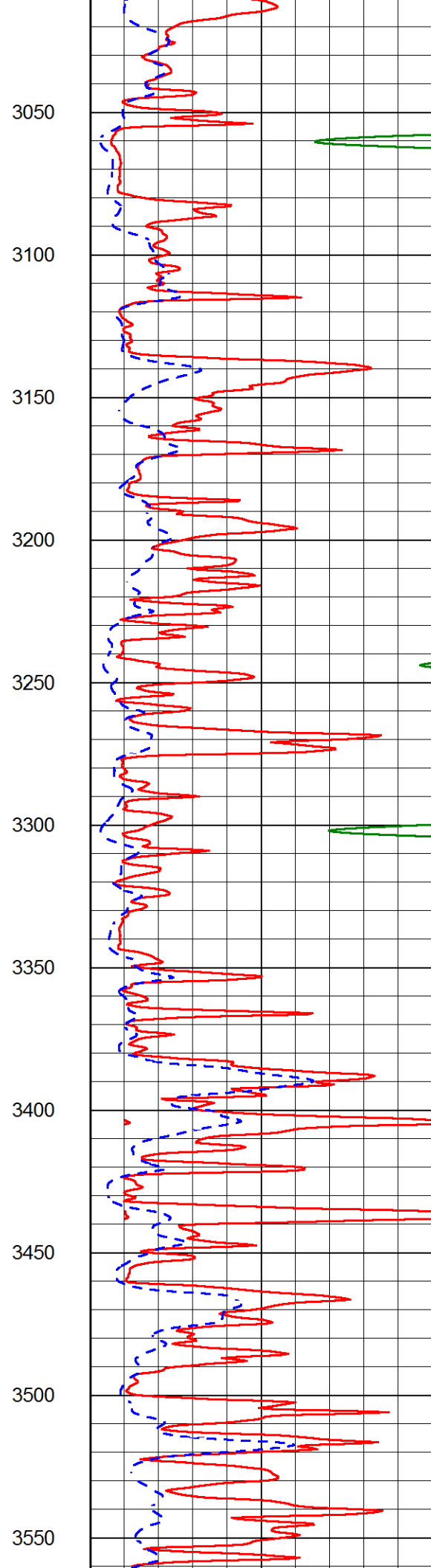
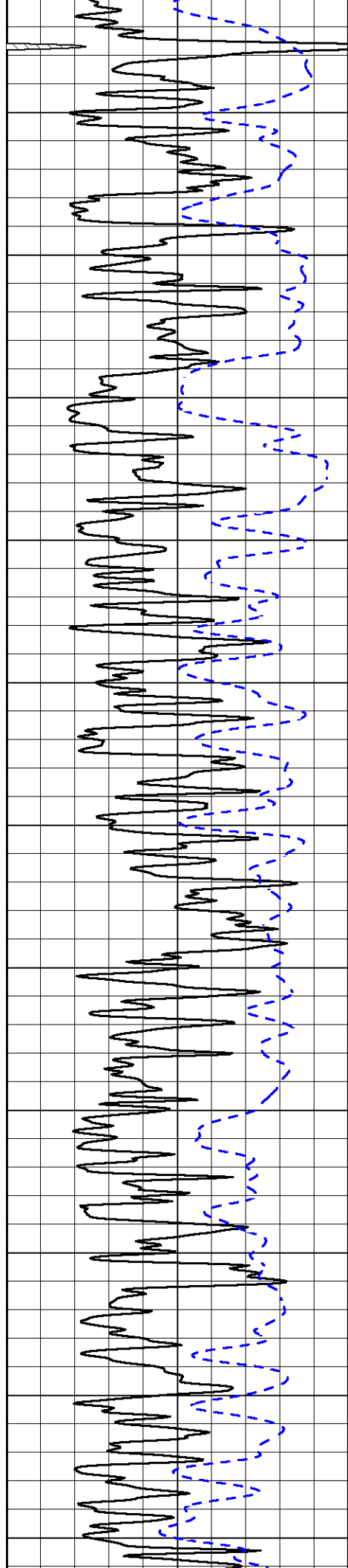


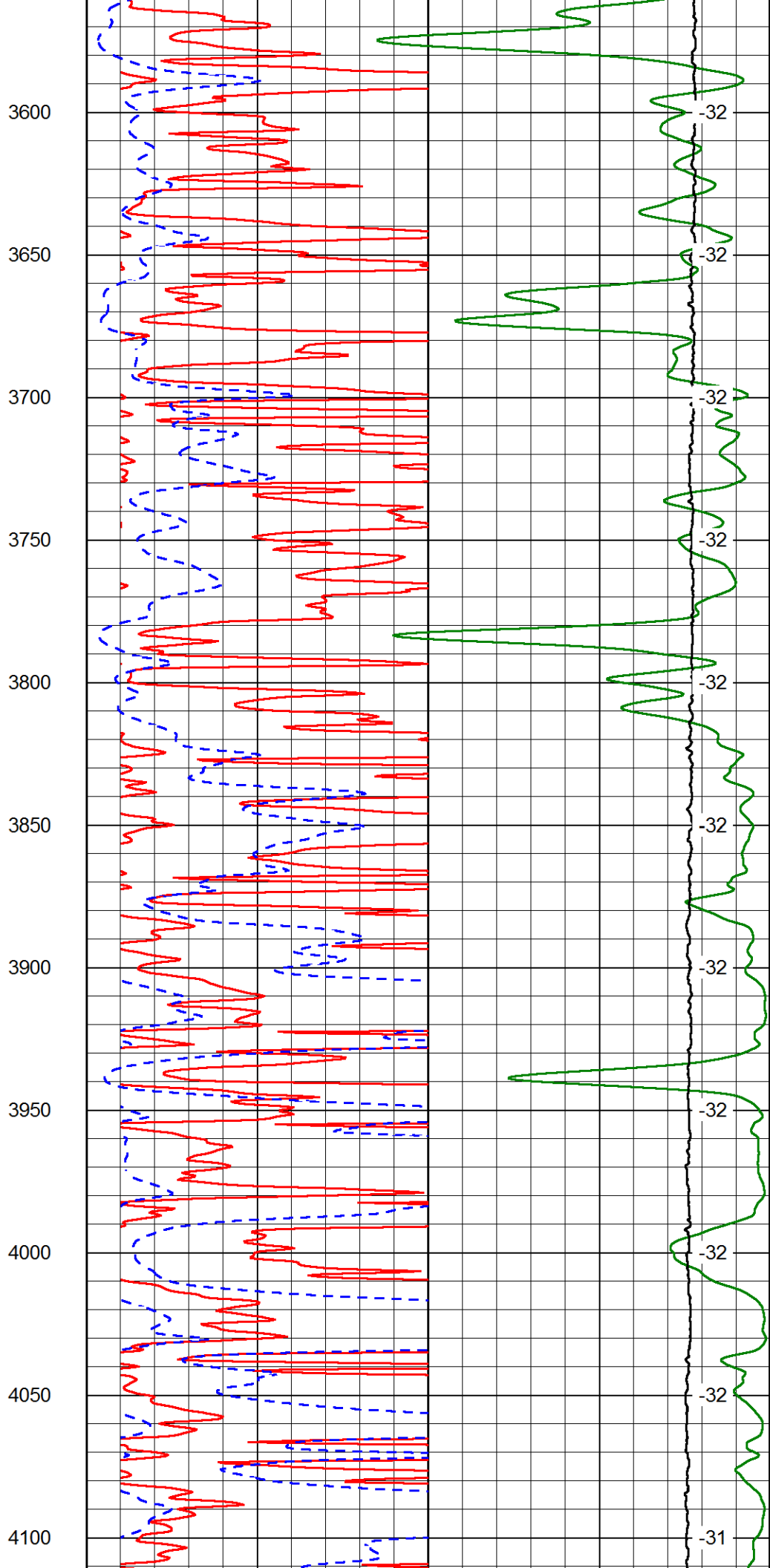
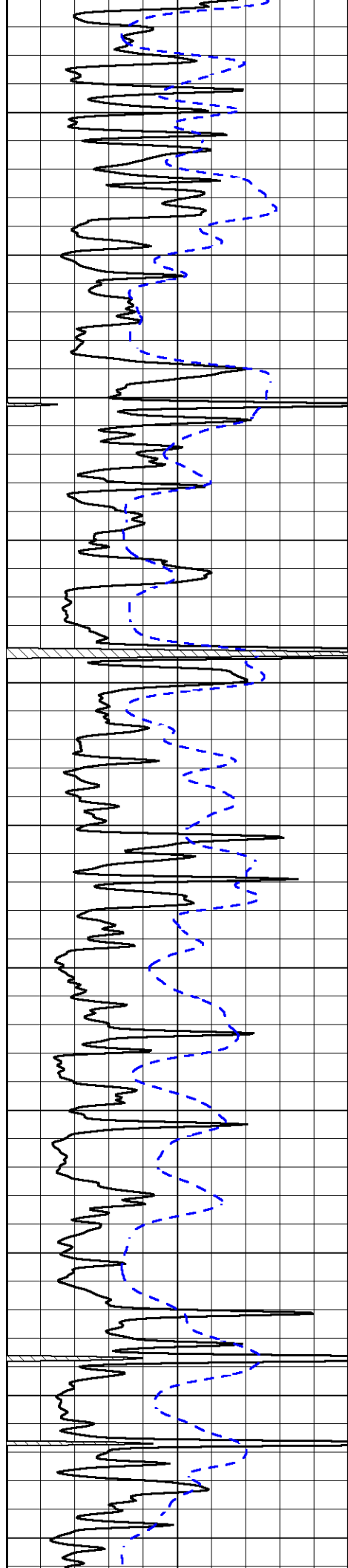


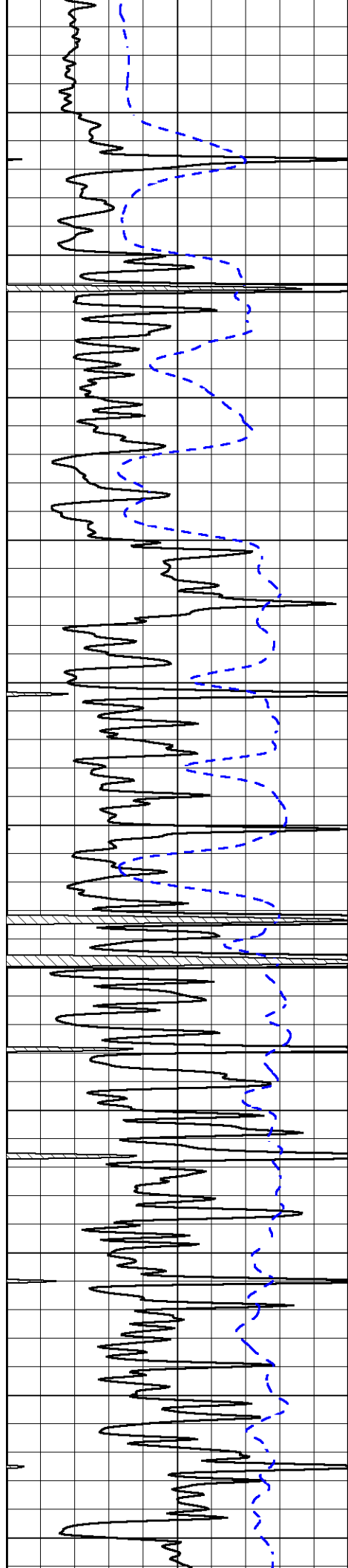












4150

4200

4250

4300

4350

4400

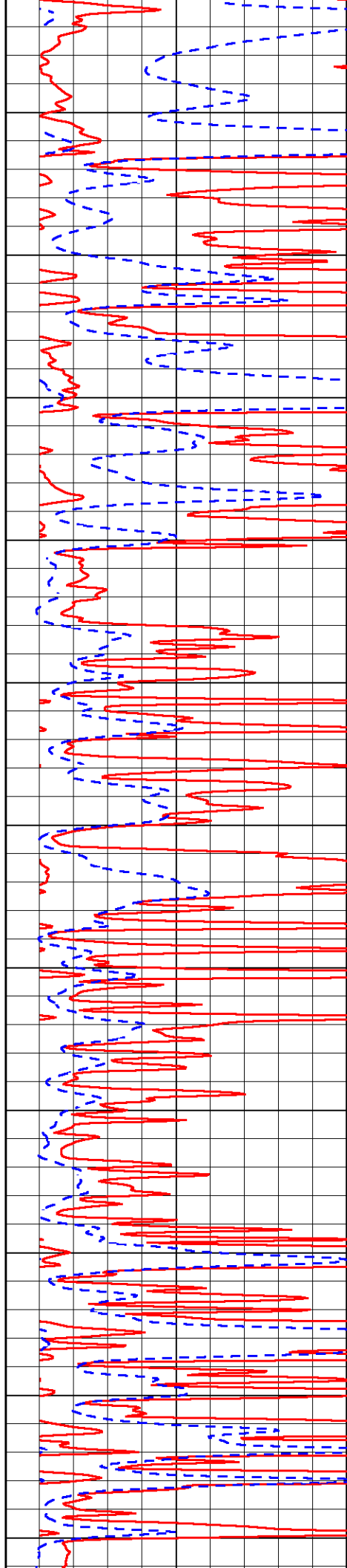
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4500

4550

4600

4650



-32

-32

-31

-32

-31

-31

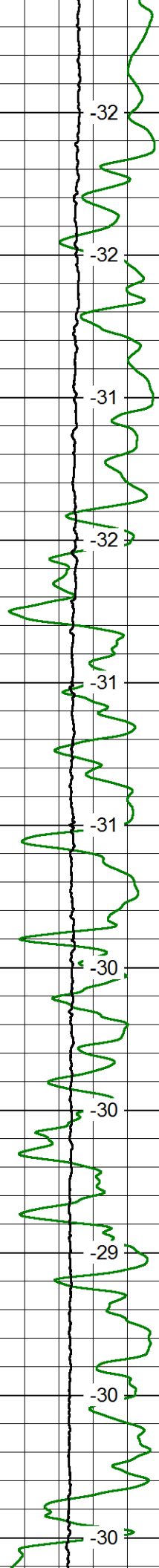
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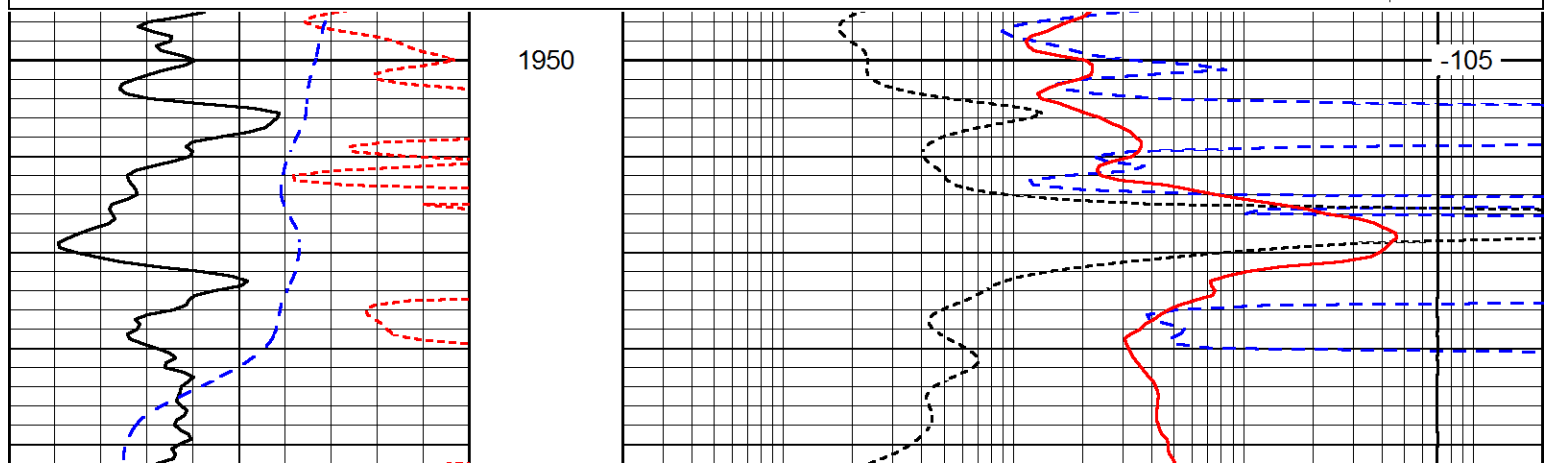
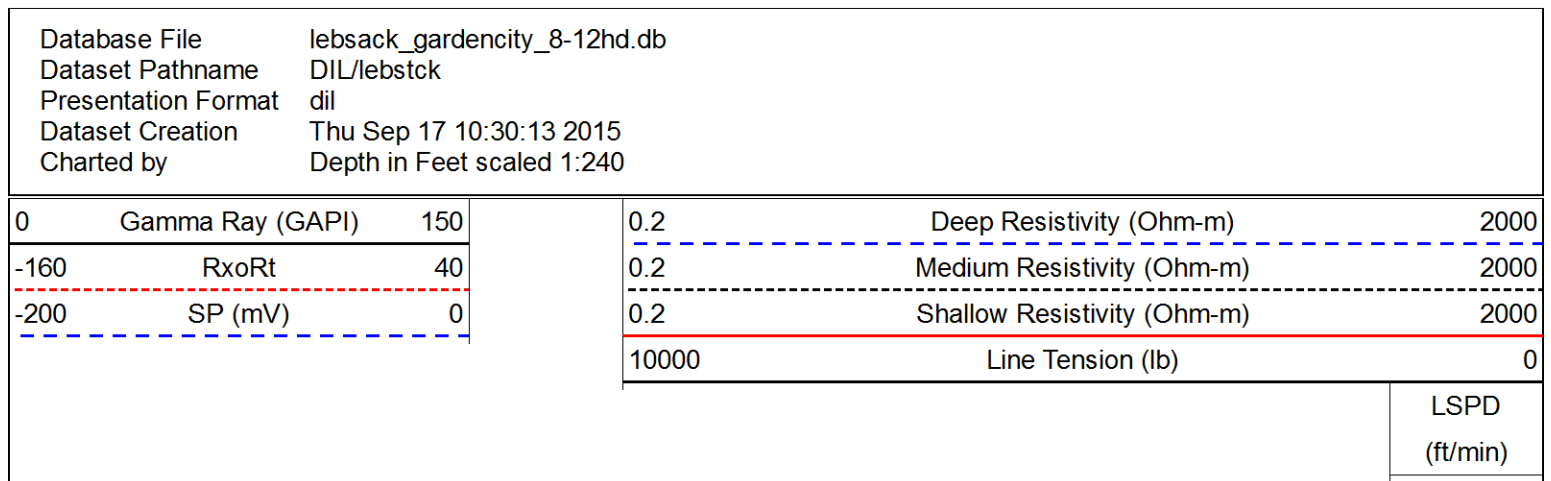
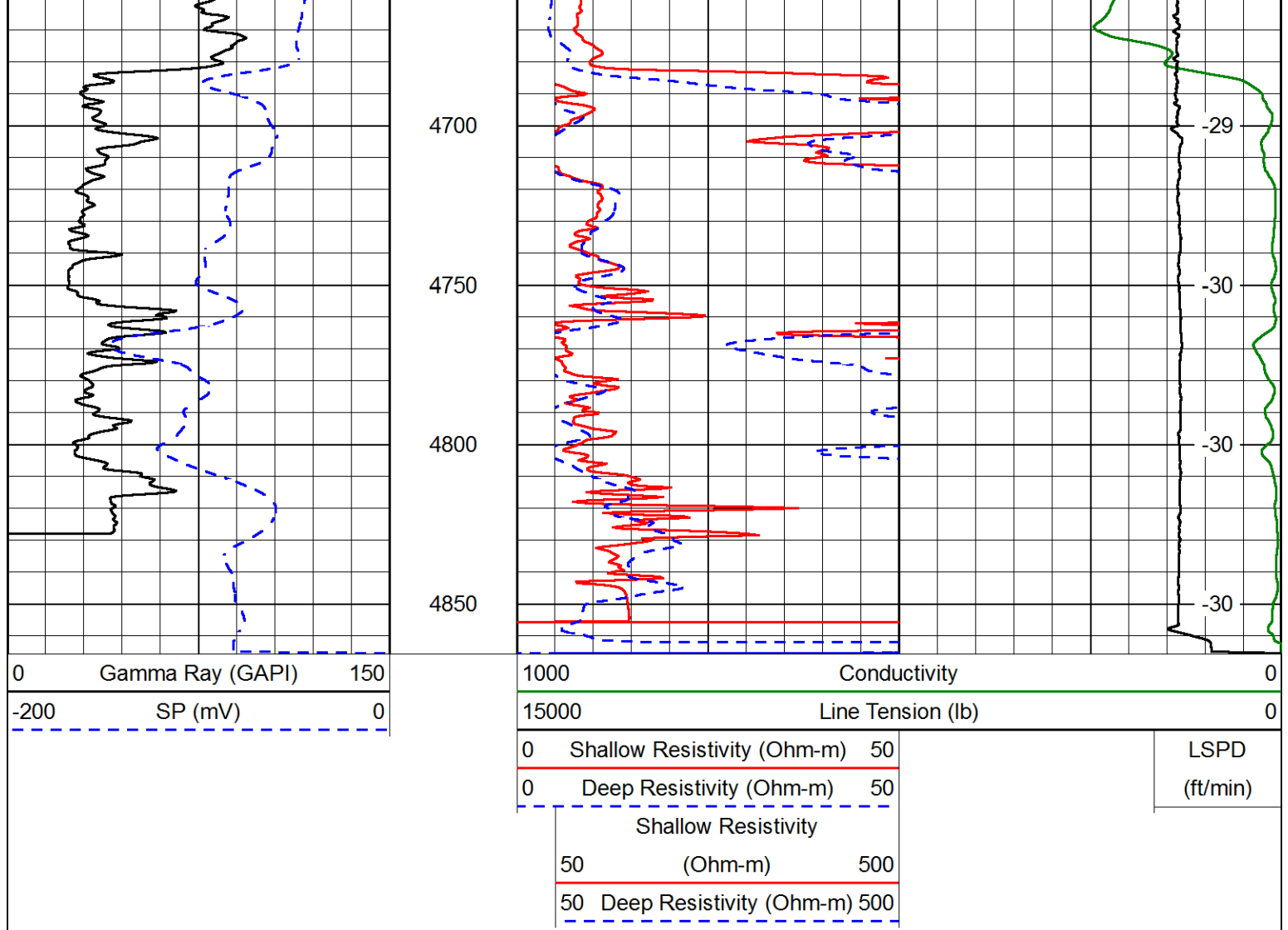
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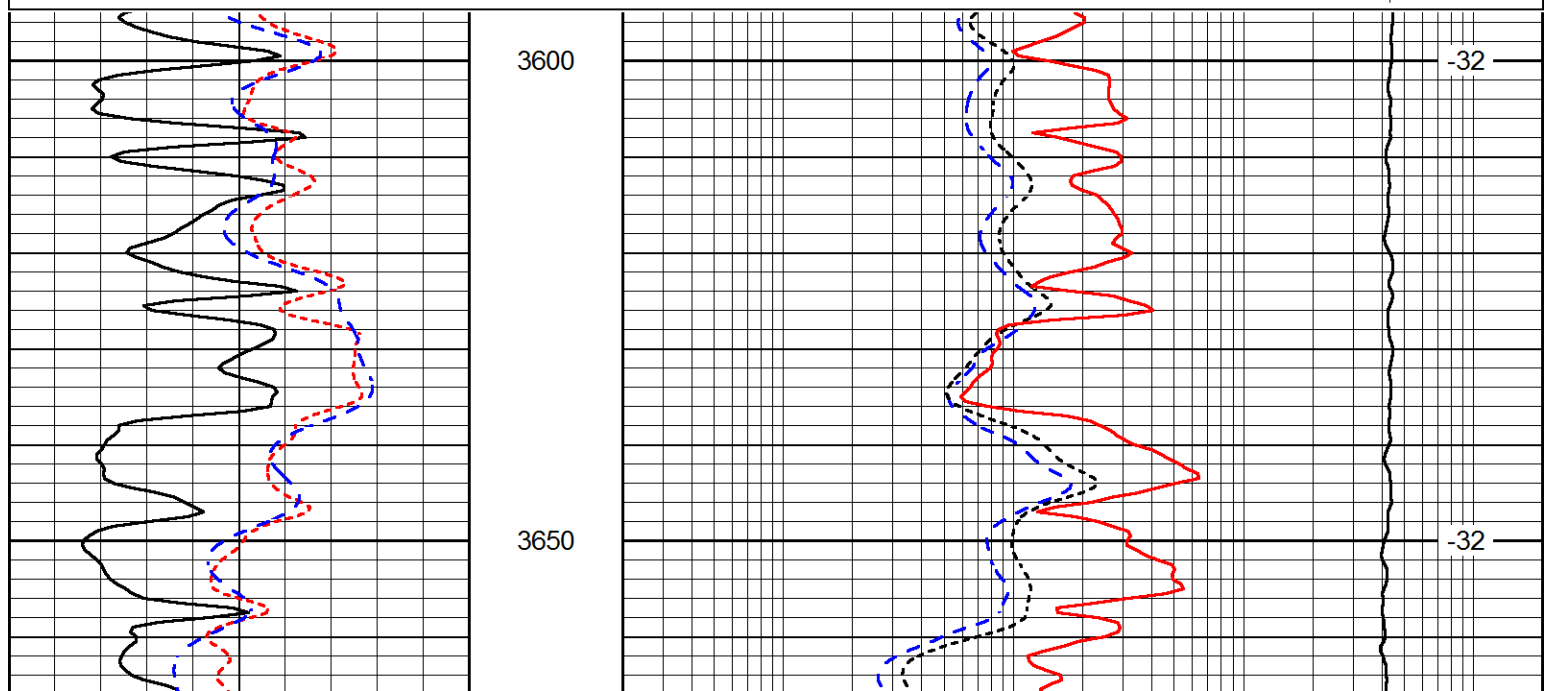
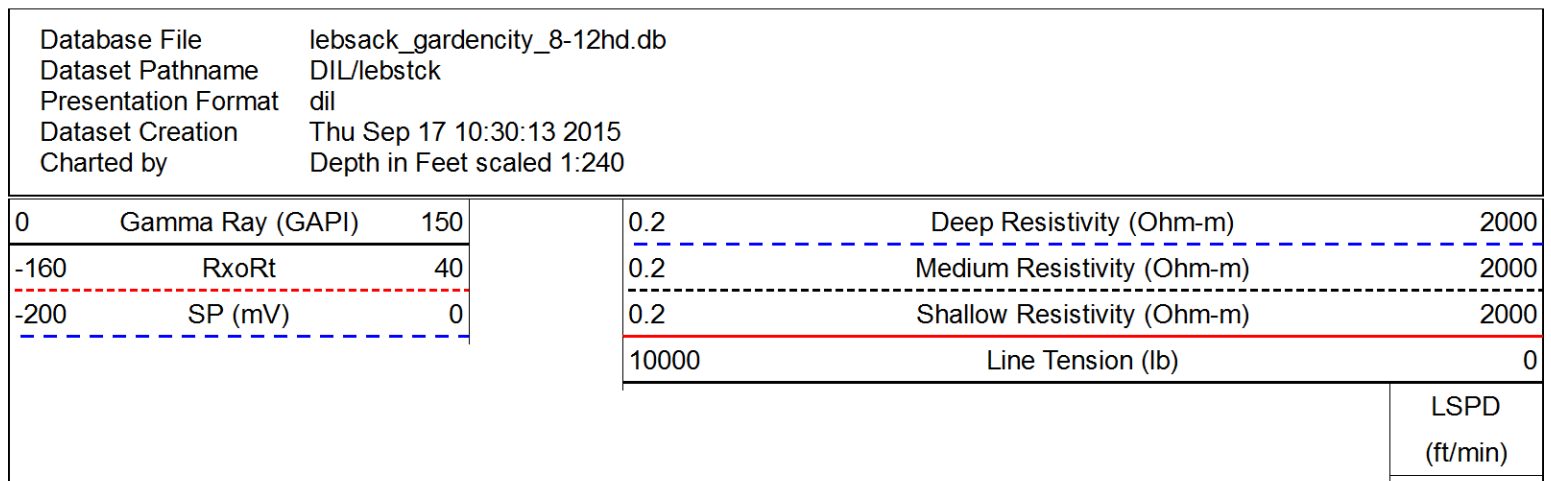
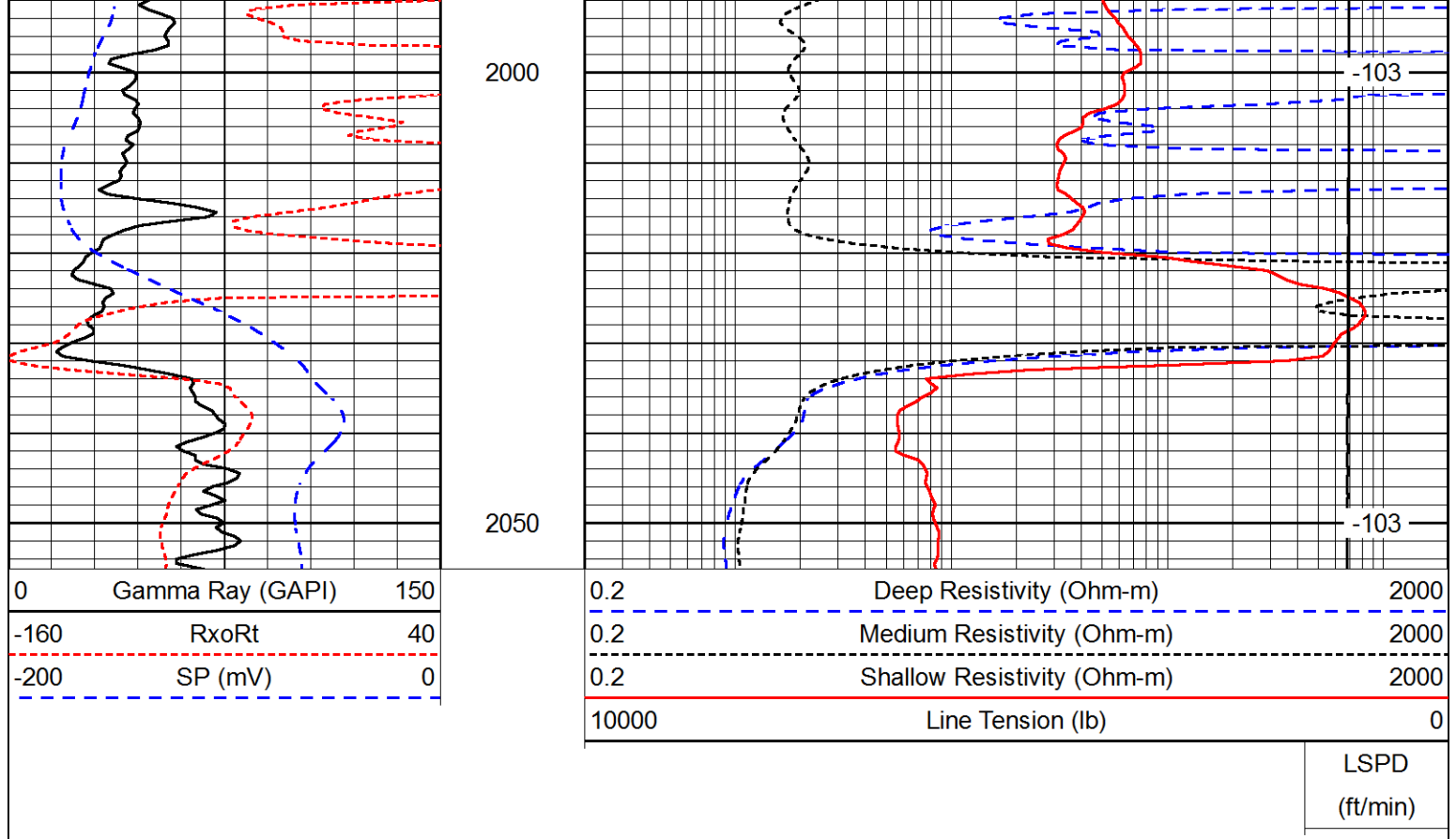
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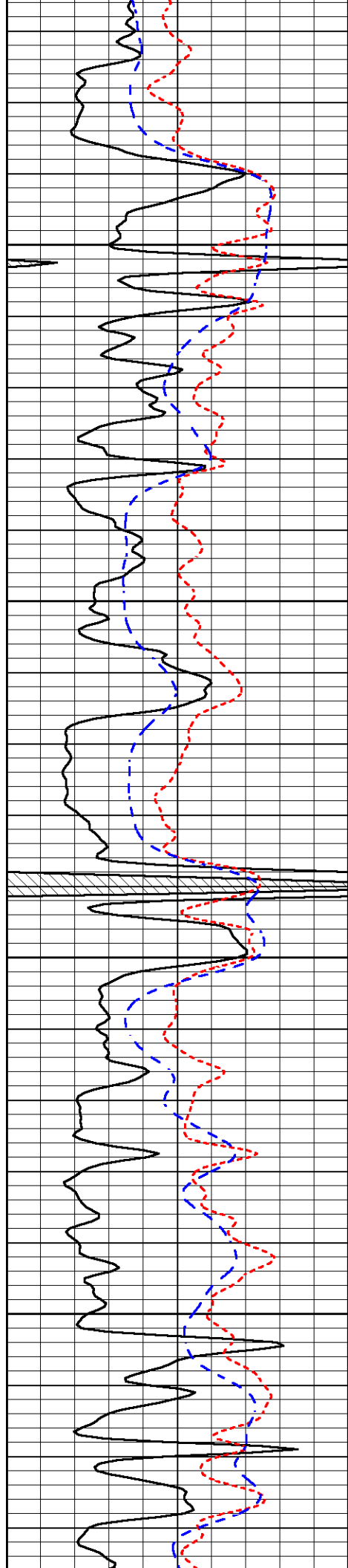
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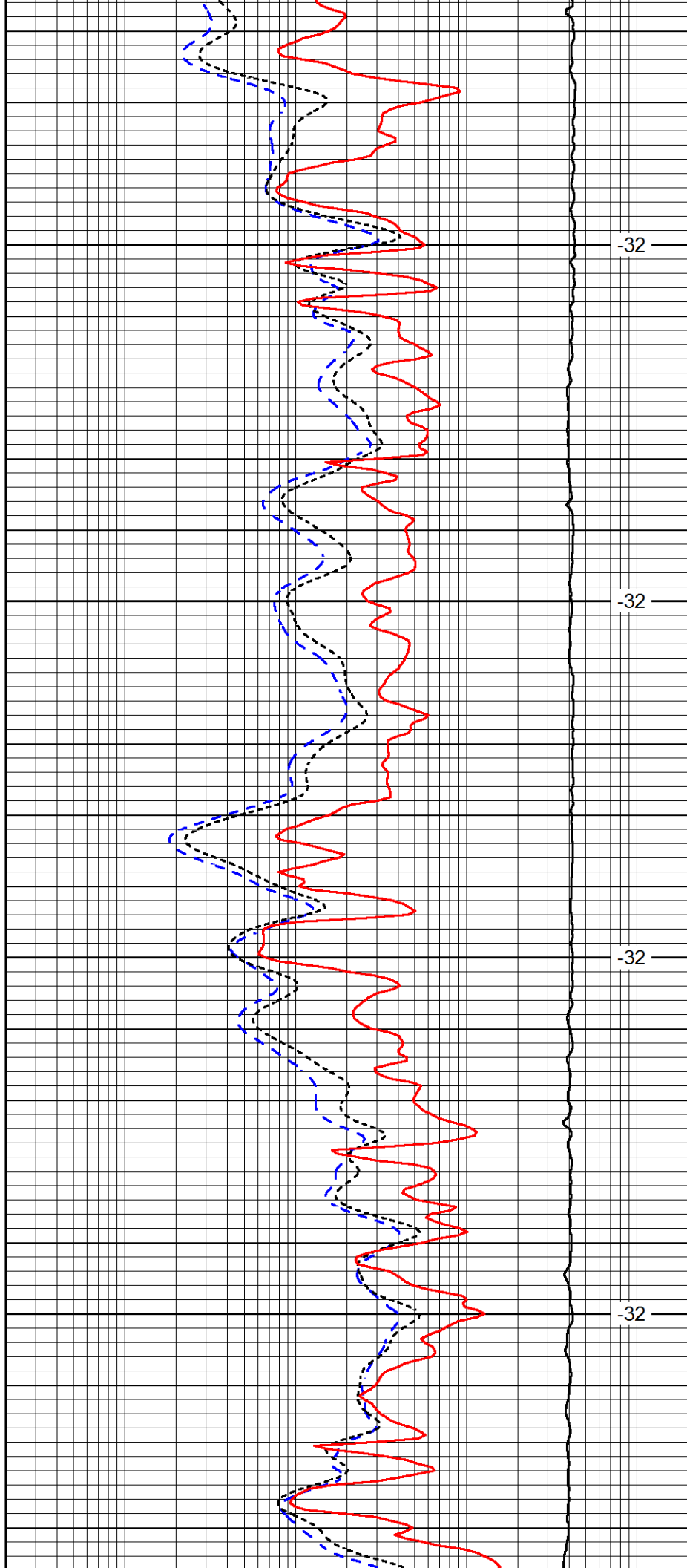


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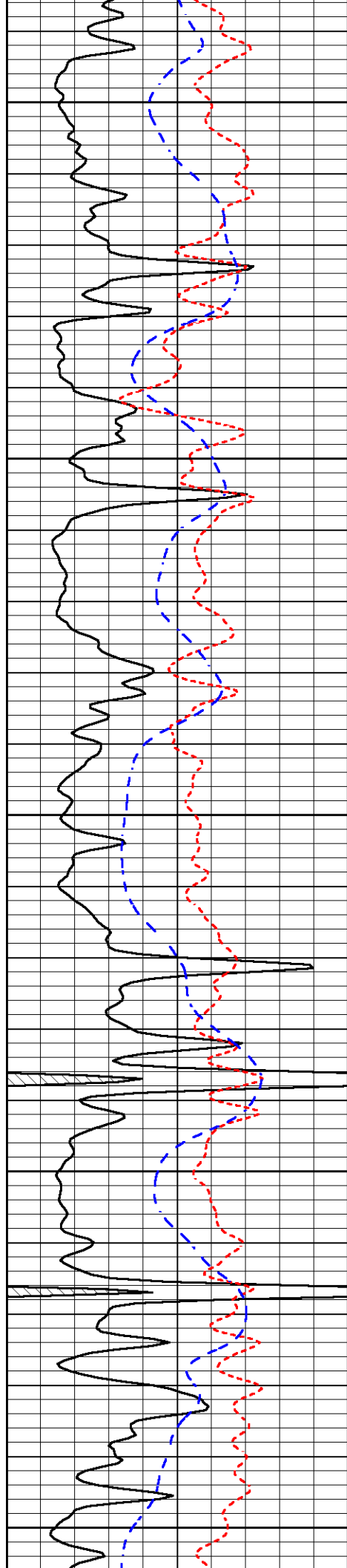


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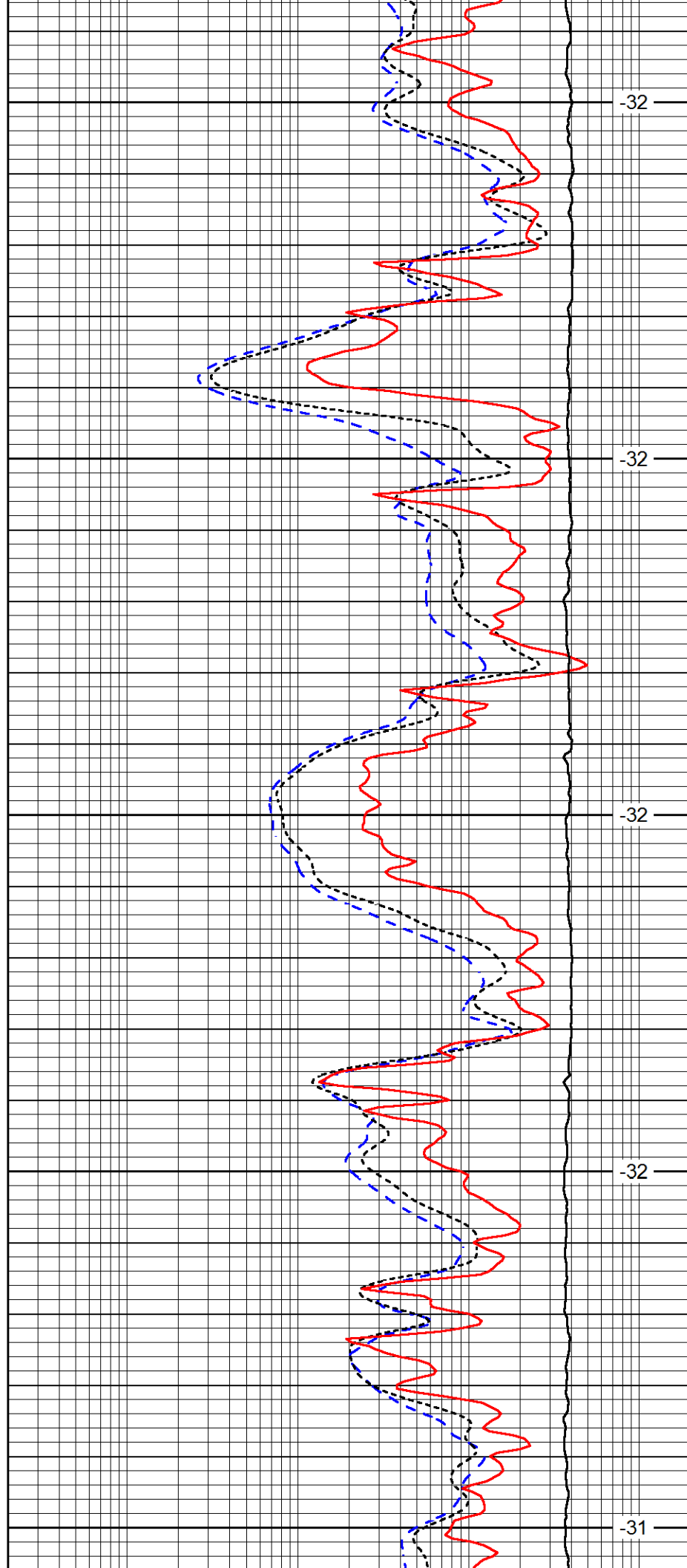
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3950

4000

4050

4100



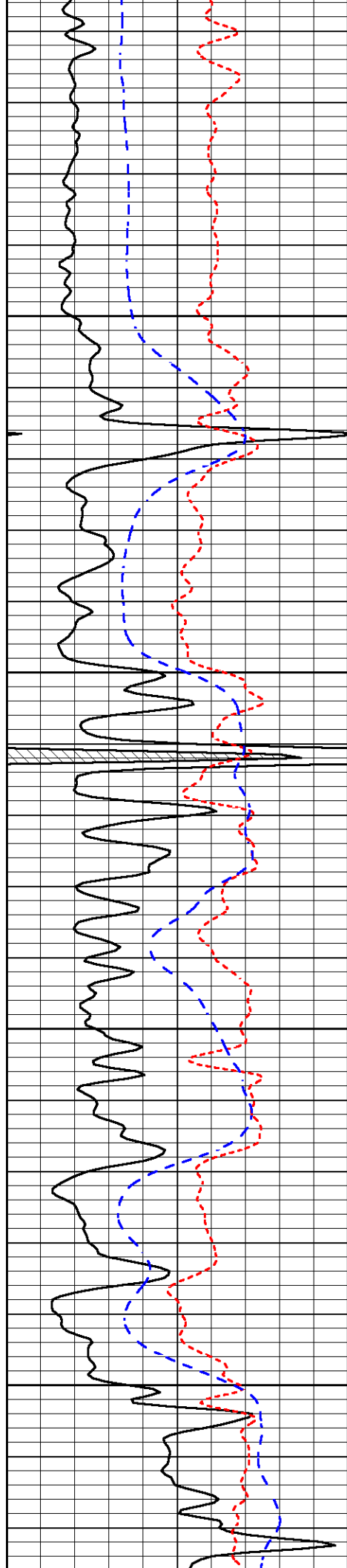
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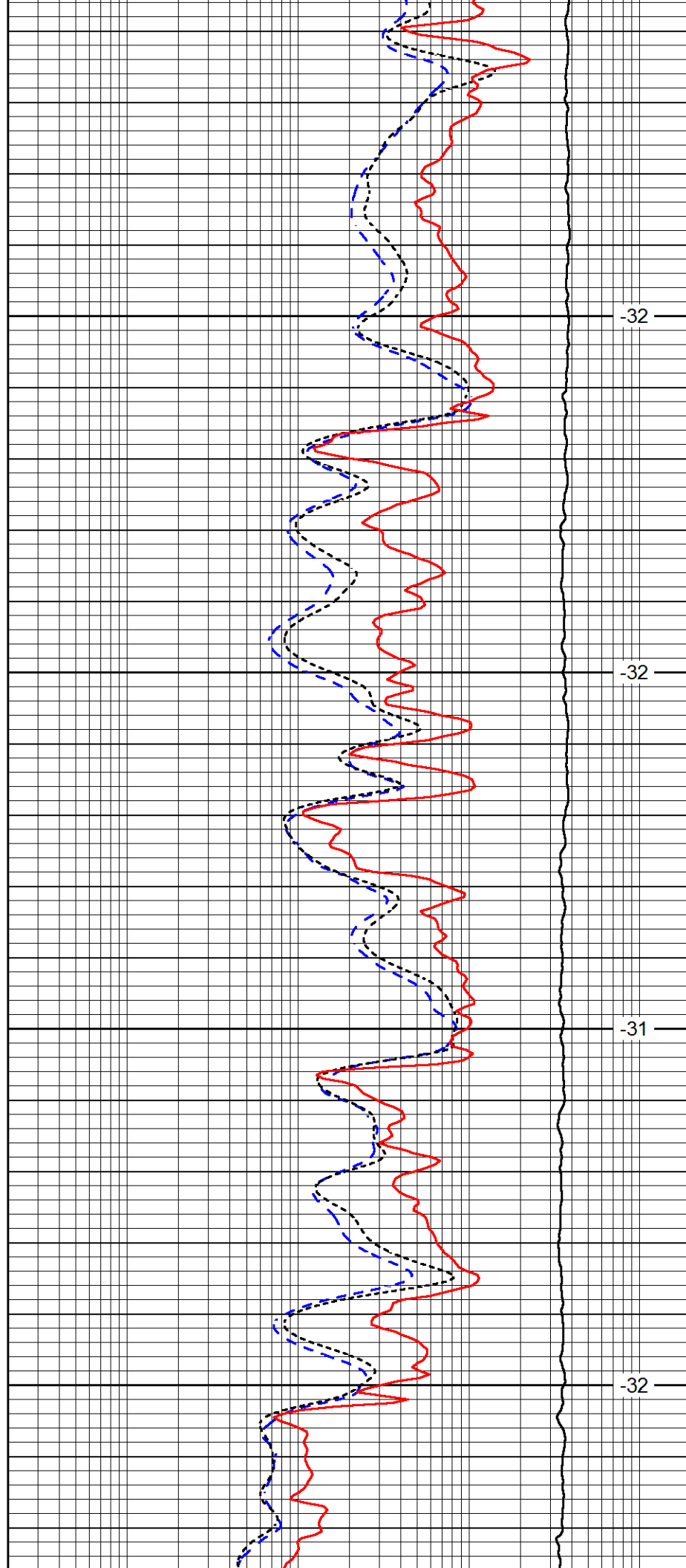


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4300

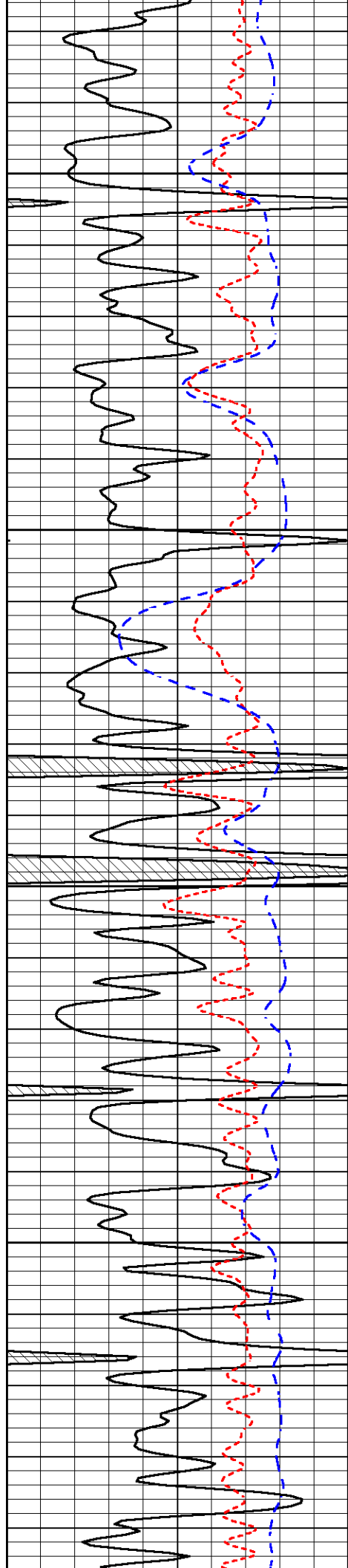


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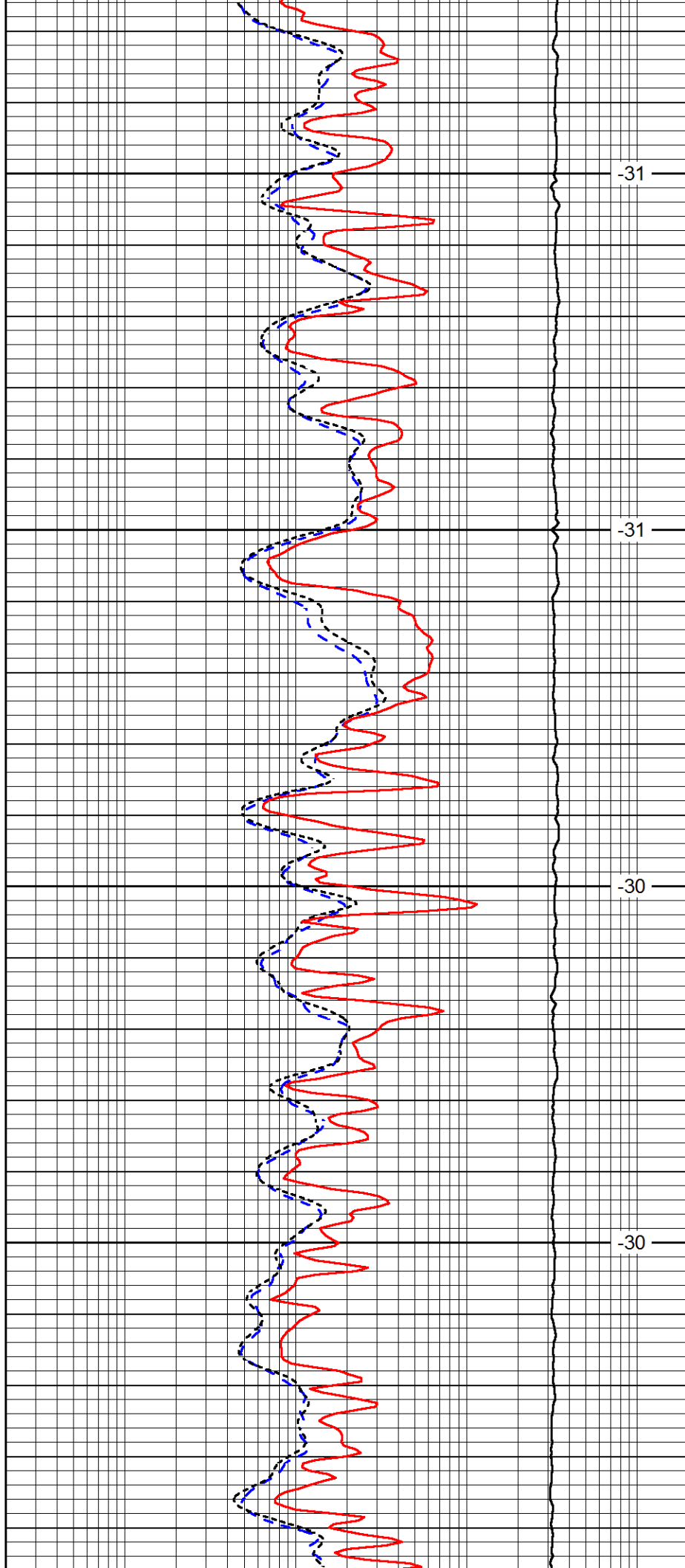


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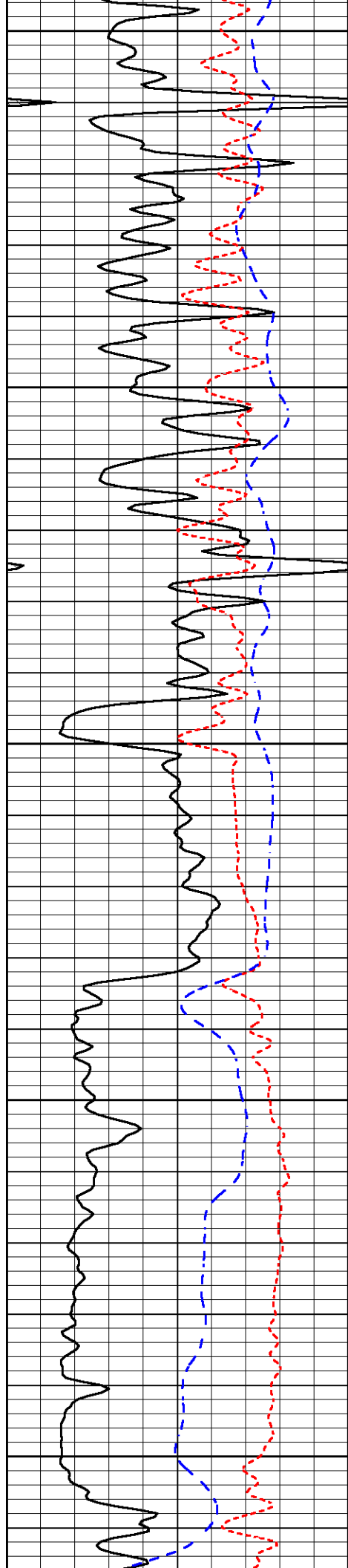


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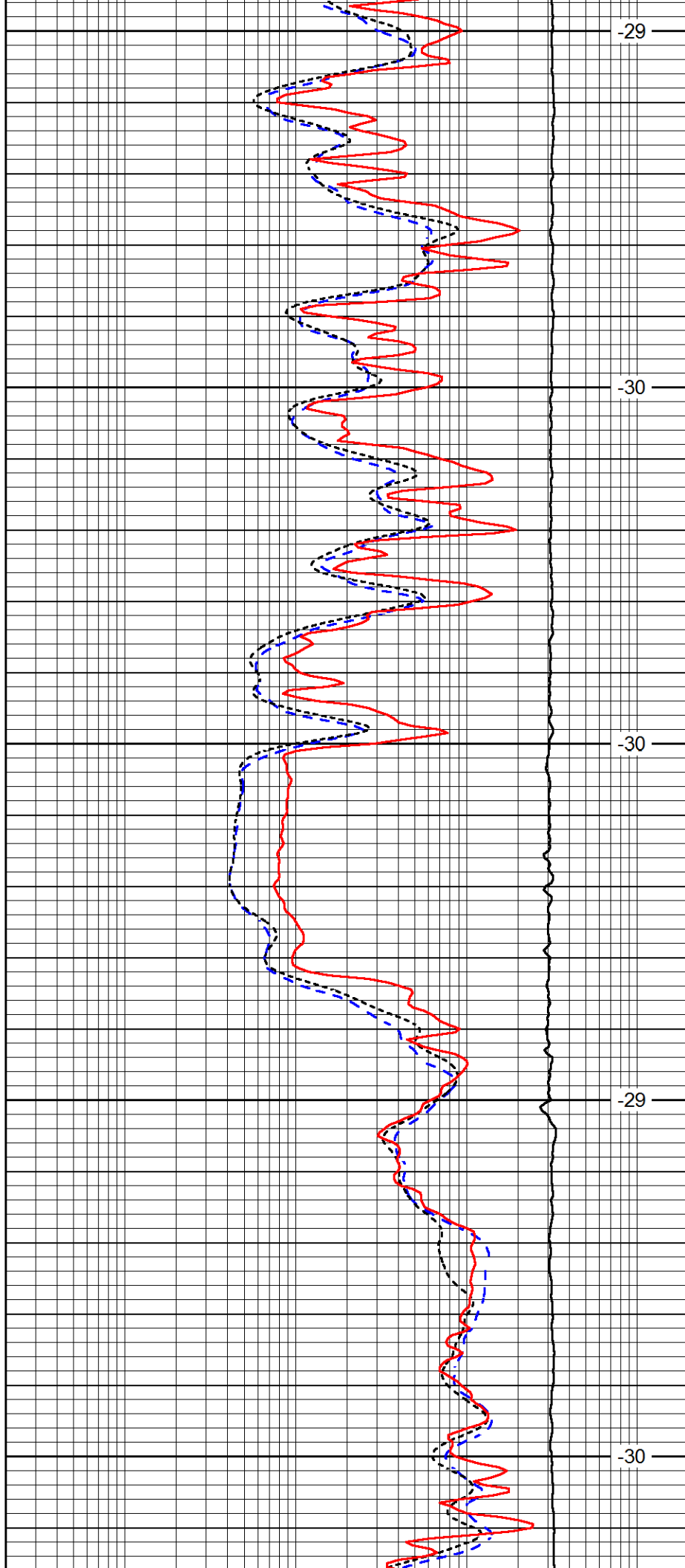
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4700

4750



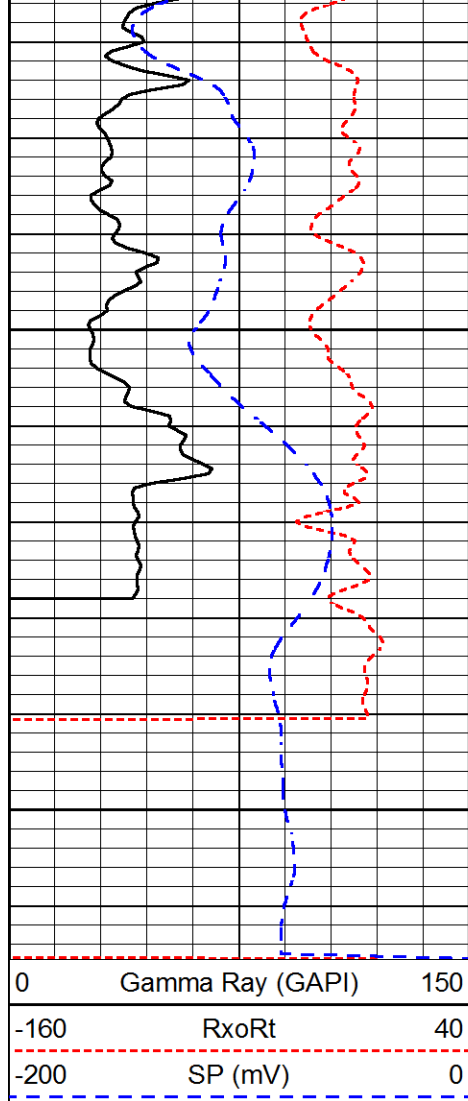
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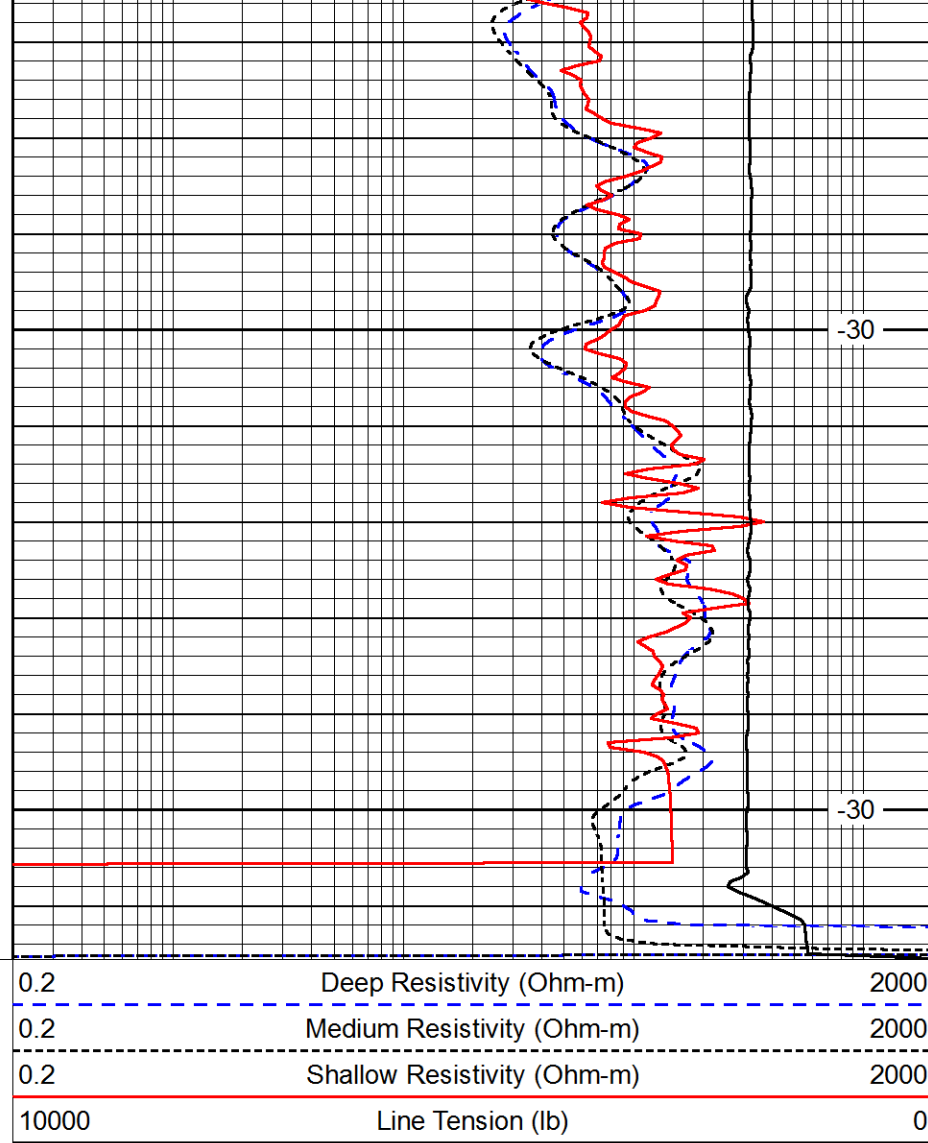
-29

-30



4800

4850



-30

-30

LSPD
(ft/min)