PIONEER
Pioneer Energy Services

DUAL INDUCTION LOG

Company AMERICAN WARRIOR, INC.
Well O'BRATE BEACH #1-27
Field WILDCAT
County FINNEY State KANSAS
Location: API #: 15-055-22434-00-00
751' FNL & 2296' FWL
SEC 27 TWP 25S RGE 31W

Other Services
CNL/CDL
MEL/BHCS

Elevation
K.B. 2827'
D.F. N/A
G.L. 2815'

Permanent Datum GROUND LEVEL Elevation 2815'
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING

Company	AMERICAN WARRIOR, INC.		
Well	O'BRATE BEACH #1-27		
Field	WILDCAT		
County	FINNEY		
State	KANSAS		
Date	8/24/2016		
Run Number	ONE		
Depth Driller	5050'		
Depth Logger	5052'		
Bottom Logged Interval	5051'		
Top Log Interval	1700'		
Casing Driller	8.625" @ 1699'		
Casing Logger	1700'		
Bit Size	7.875"		
Type Fluid in Hole	CHEMICAL		
Salinity,ppm CL	1800		
Density / Viscosity	9.5 49		
pH / Fluid Loss	10.0 9.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.80 @ 74		
Rmf @ Meas. Temp	0.60 @ 74		
Rmc @ Meas. Temp	1.08 @ 74		
Source of Rmf / Rmc	CHARTS		
Rm @ BHT	0.47 @ 127		
Operating Rig Time	5 HOURS		
Max Rec. Temp. F	127		
Equipment Number	91		
Location	COLBY		
Recorded By	D. SCHMIDT		
Witnessed By	KEVIN TIMSON		

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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.

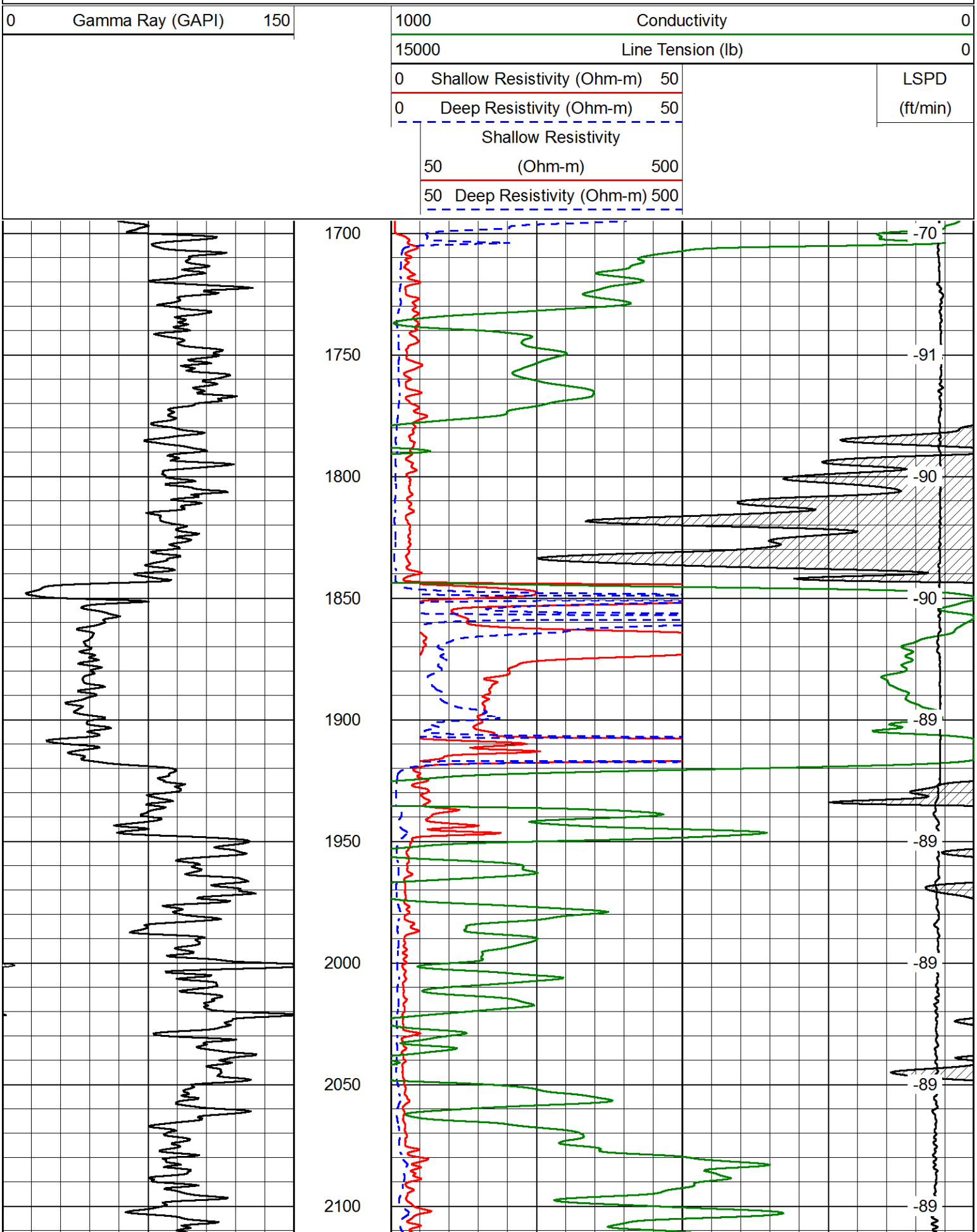
PIERCEVILLE,
1.3 SOUTH ON MAIN ST, 2 WEST,
SOUTH TO LOCATION

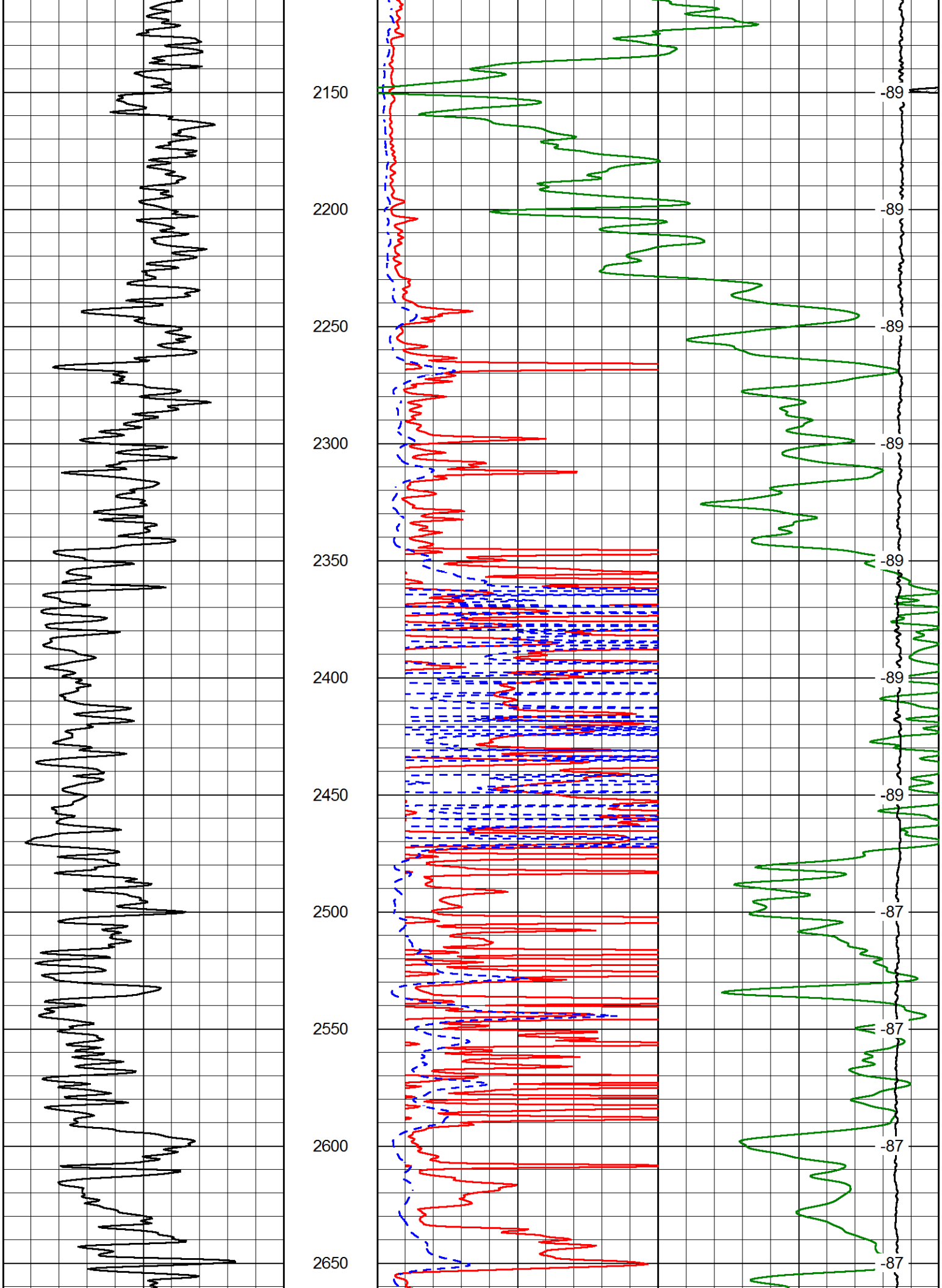
Log Measured From: KELLY BUSHING 12 Ft. Above Permanent Datum

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

Your Pioneer Energy Services Crew	This Log Record Was Witnessed By
Engineer: D. SCHMIDT	Primary Witness: KEVIN TIMSON
Operator:	Secondary Witness:
Operator:	Secondary Witness:
Operator:	Secondary Witness:

Database File	american warrior_o'brate beach_1-27hd.db
Dataset Pathname	DIL/awstack
Presentation Format	dil2in
Dataset Creation	Thu Aug 25 01:52:35 2016
Charted by	Depth in Feet scaled 1:600

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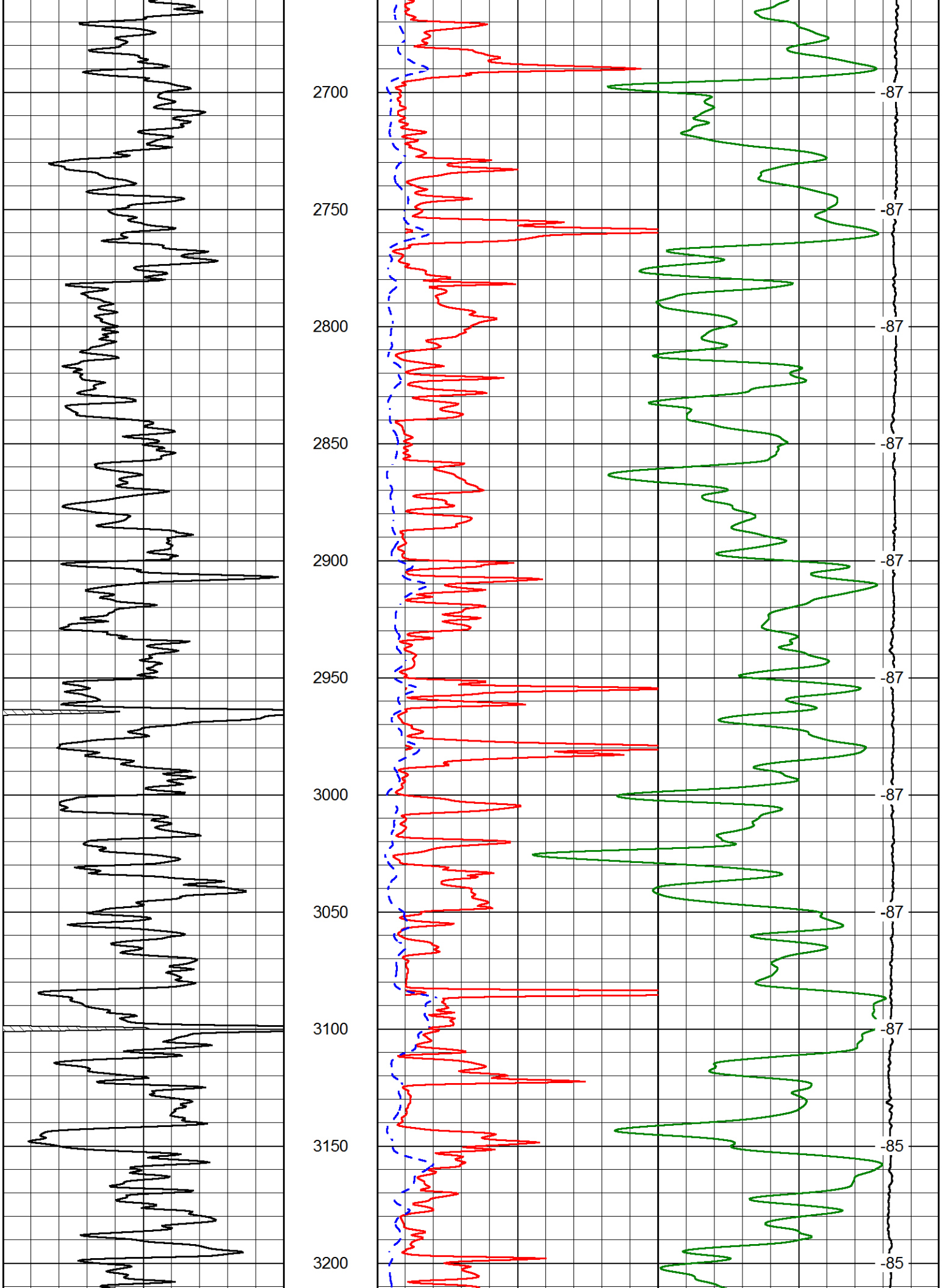
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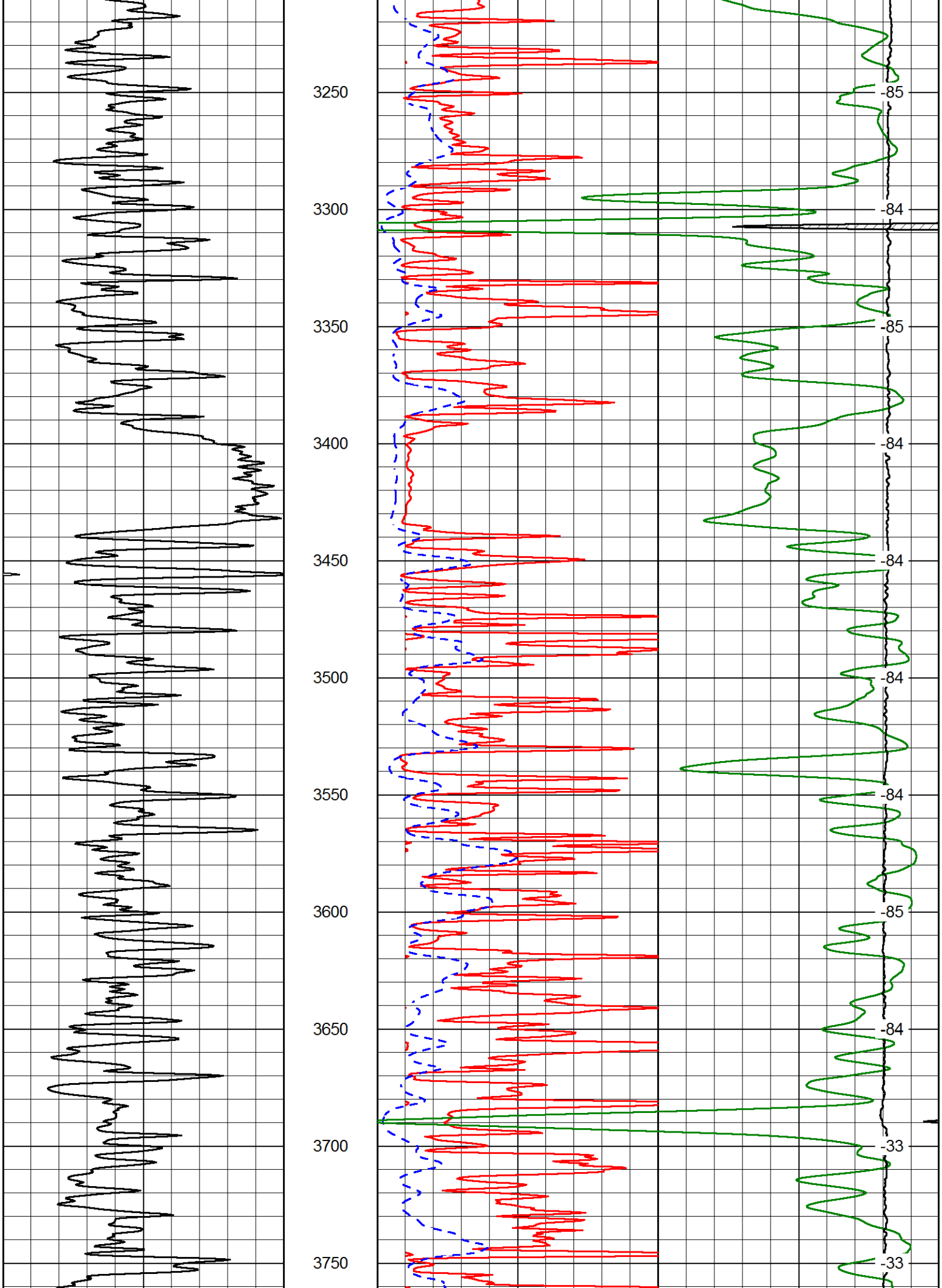
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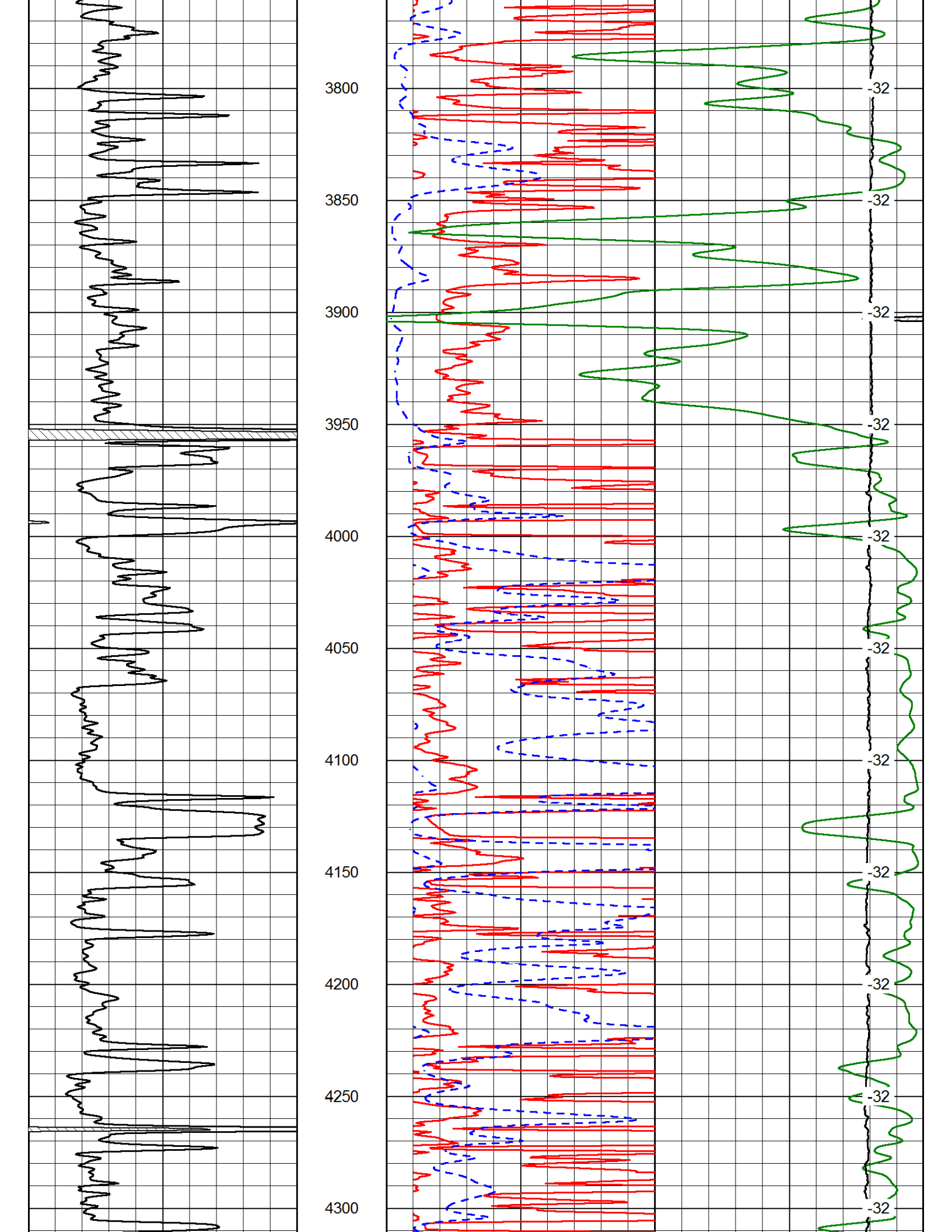
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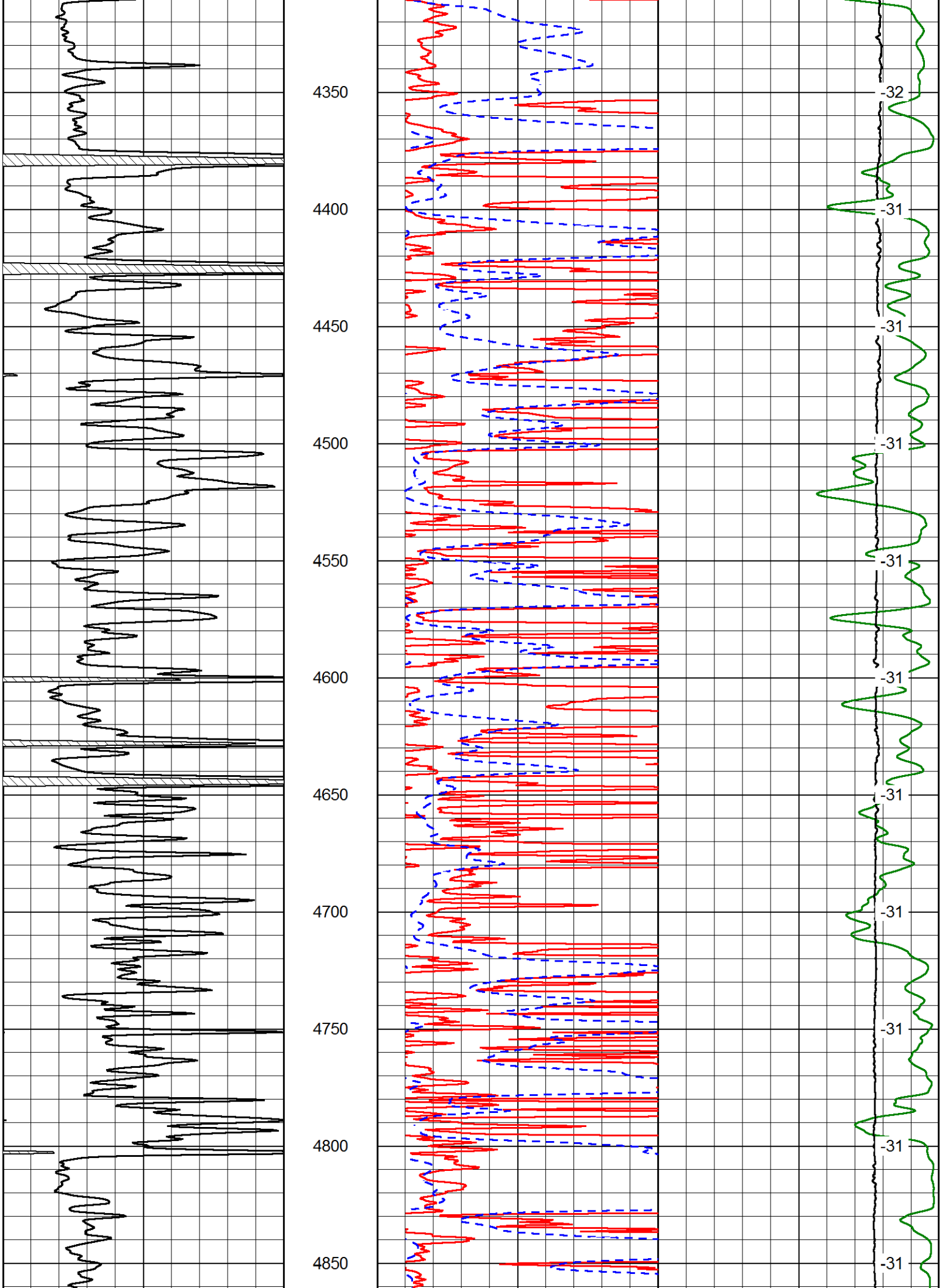
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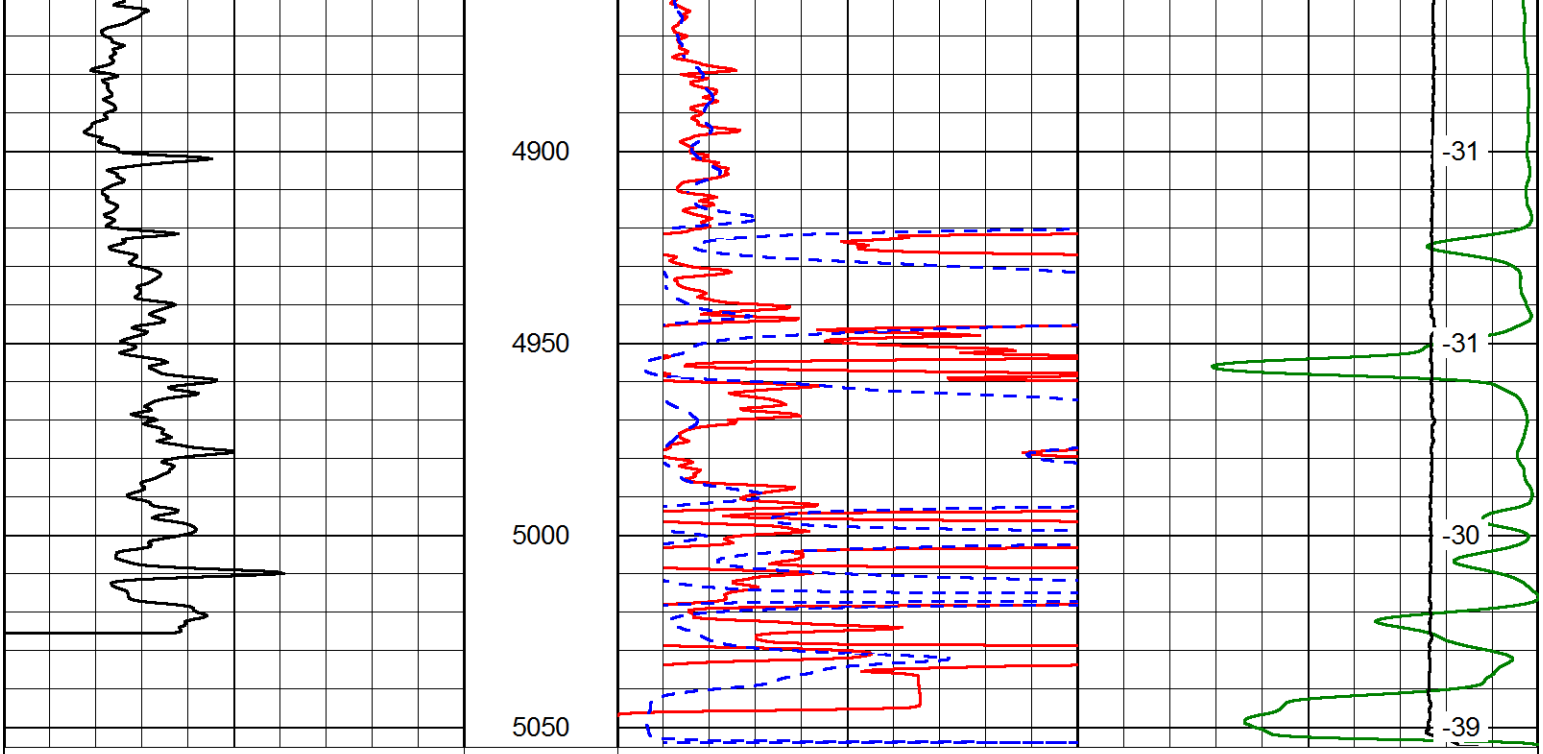
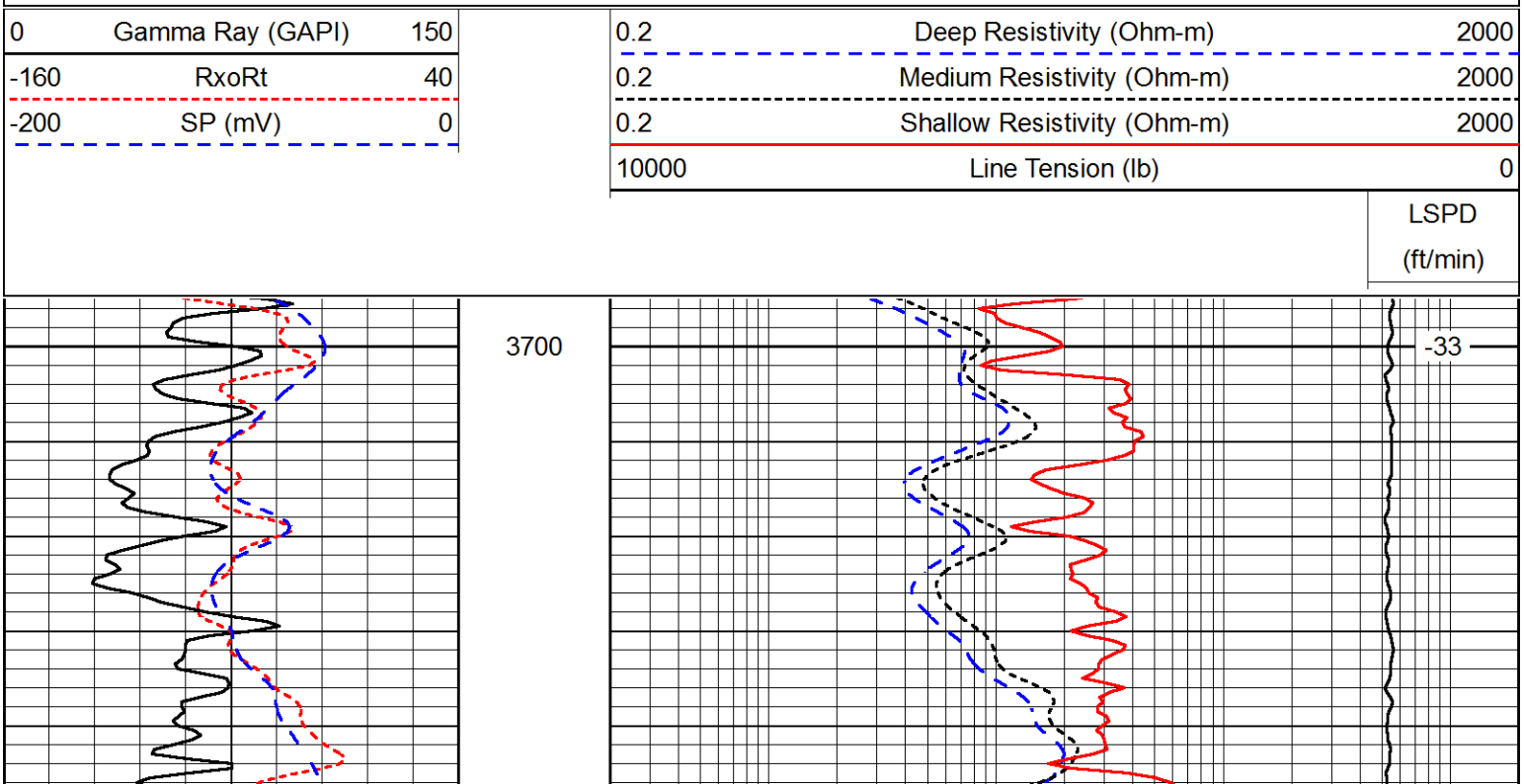
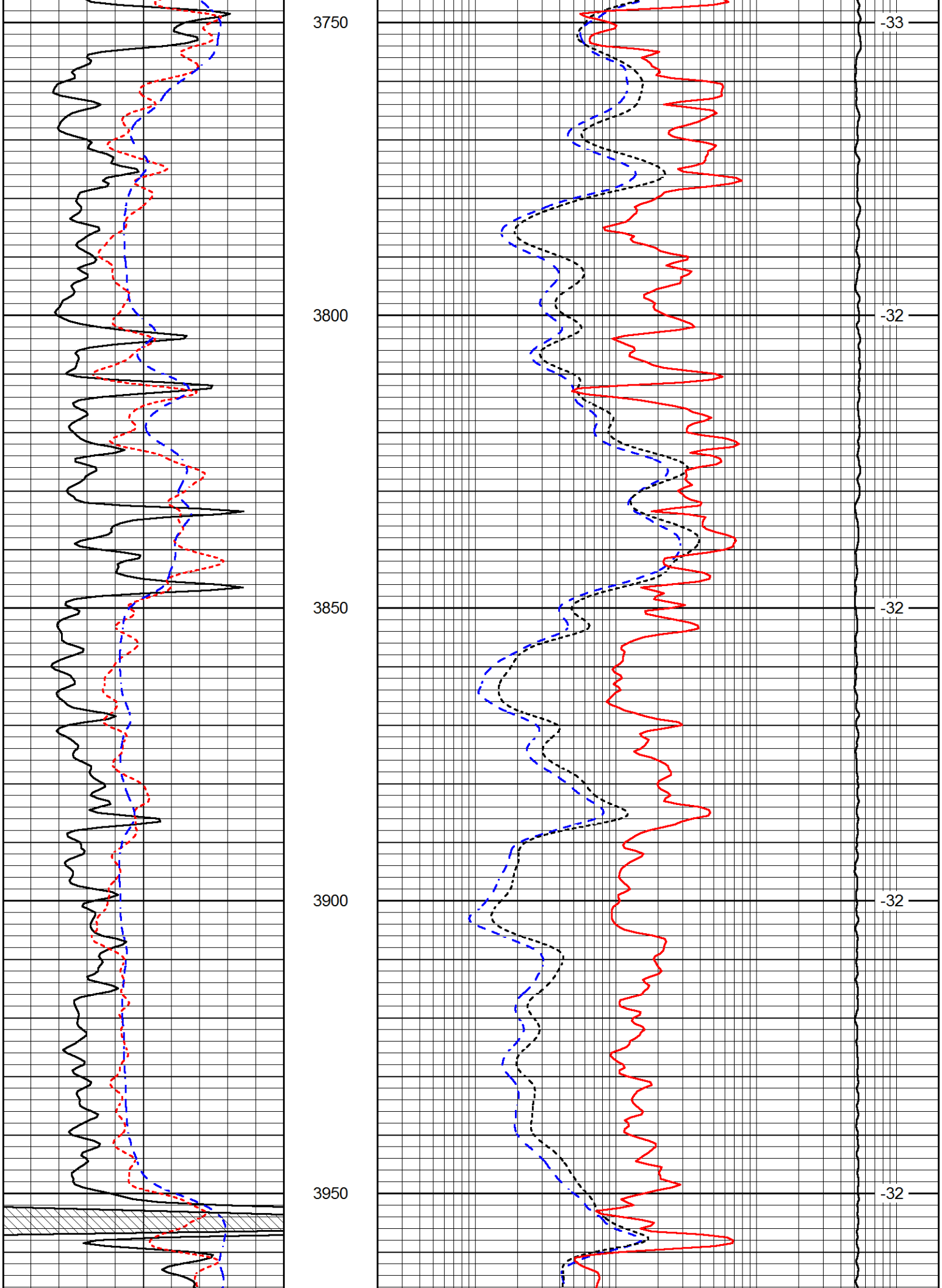


Database File	american warrior_o'brate beach_1-27hd.db
Dataset Pathname	DIL/awstack
Presentation Format	dil
Dataset Creation	Thu Aug 25 01:52:35 2016
Charted by	Depth in Feet scaled 1:240

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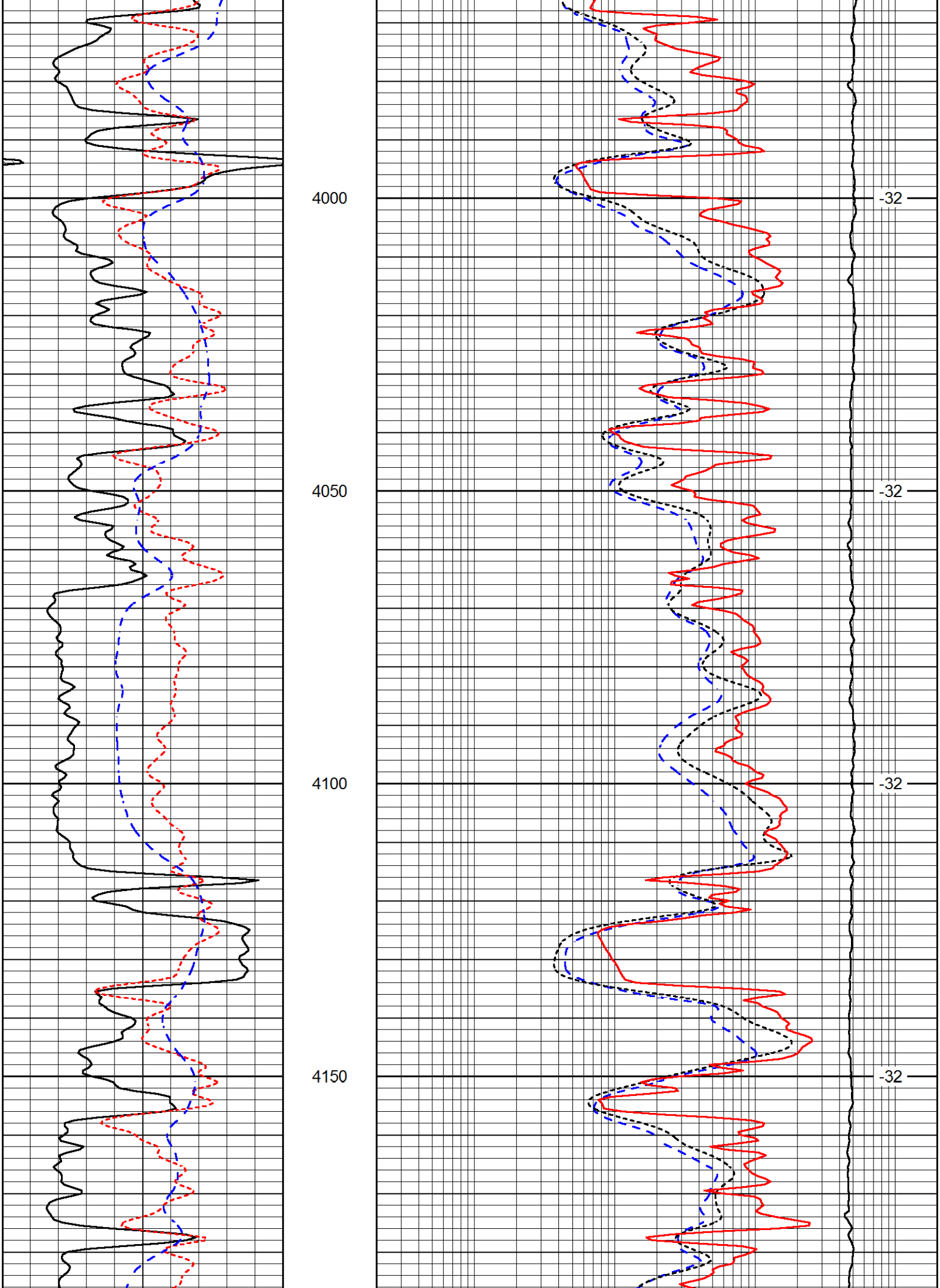
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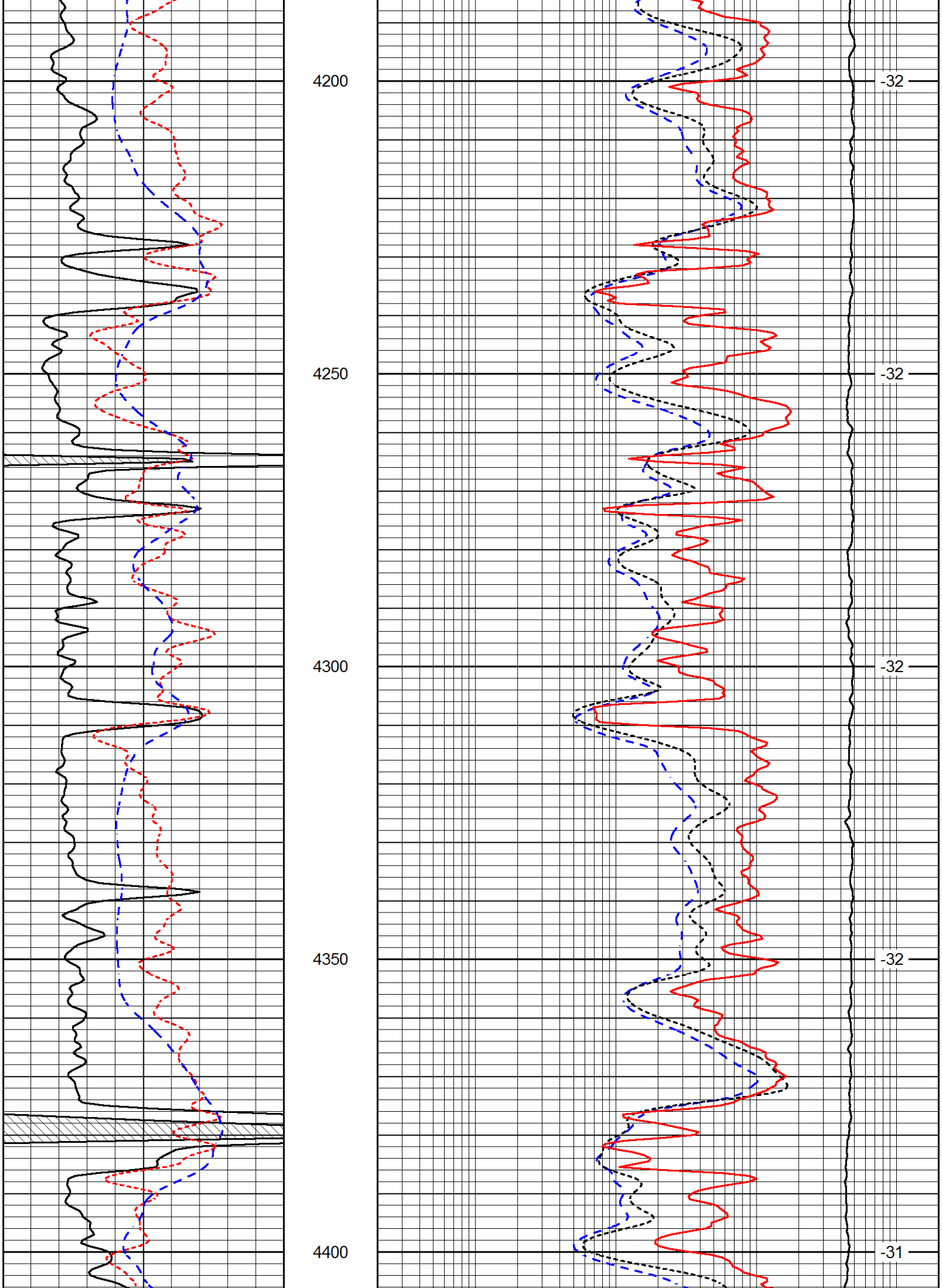
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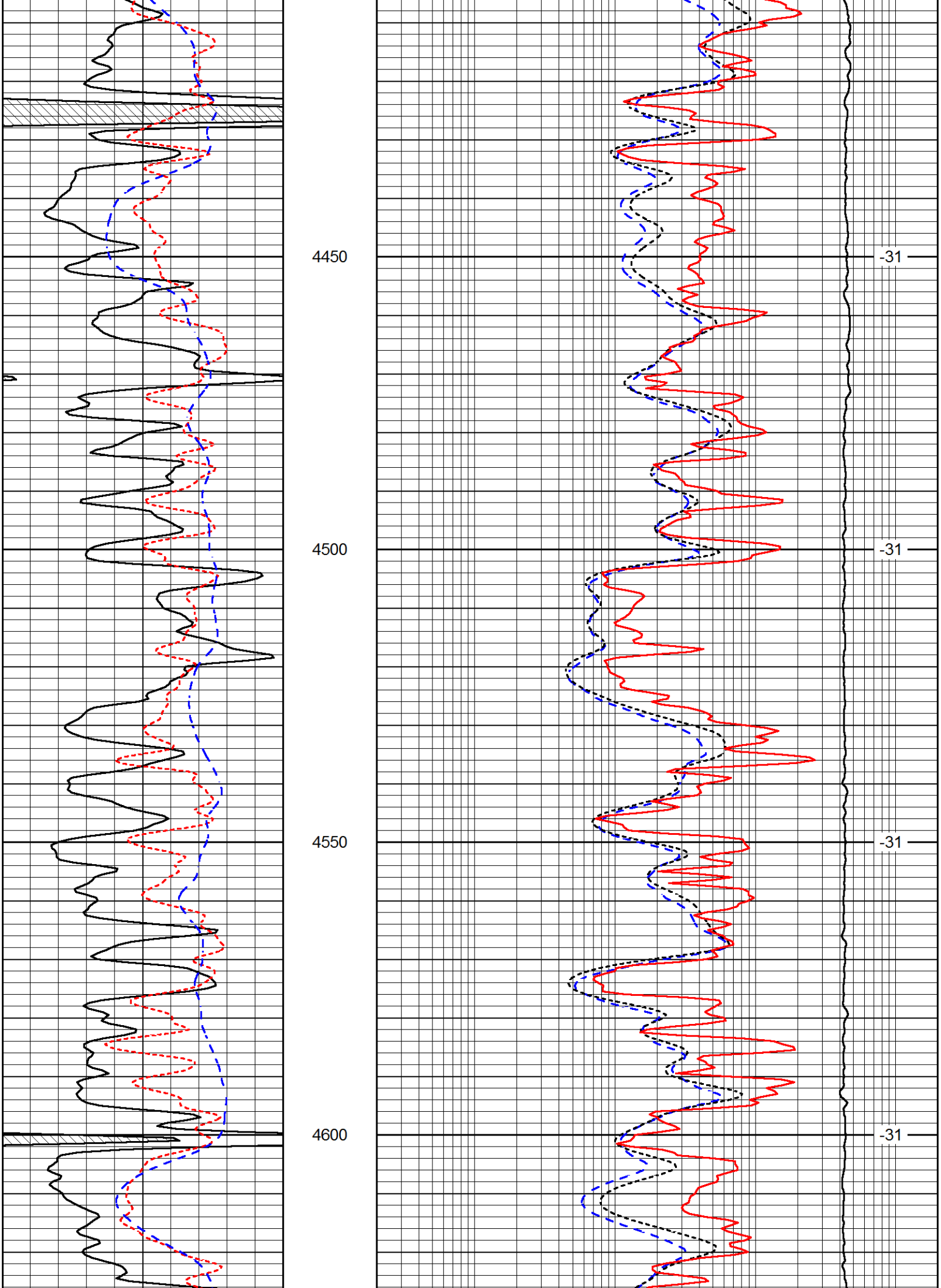
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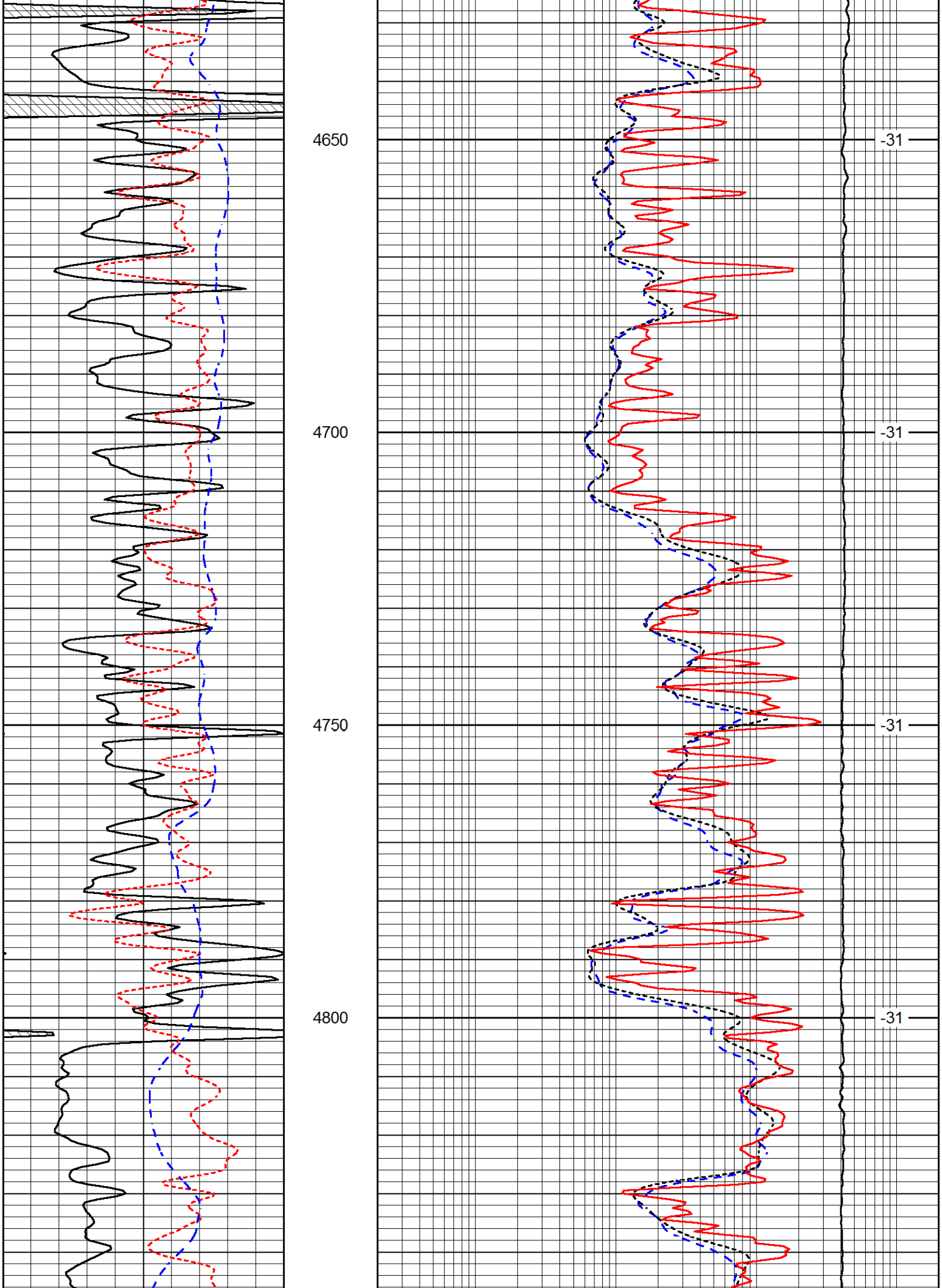
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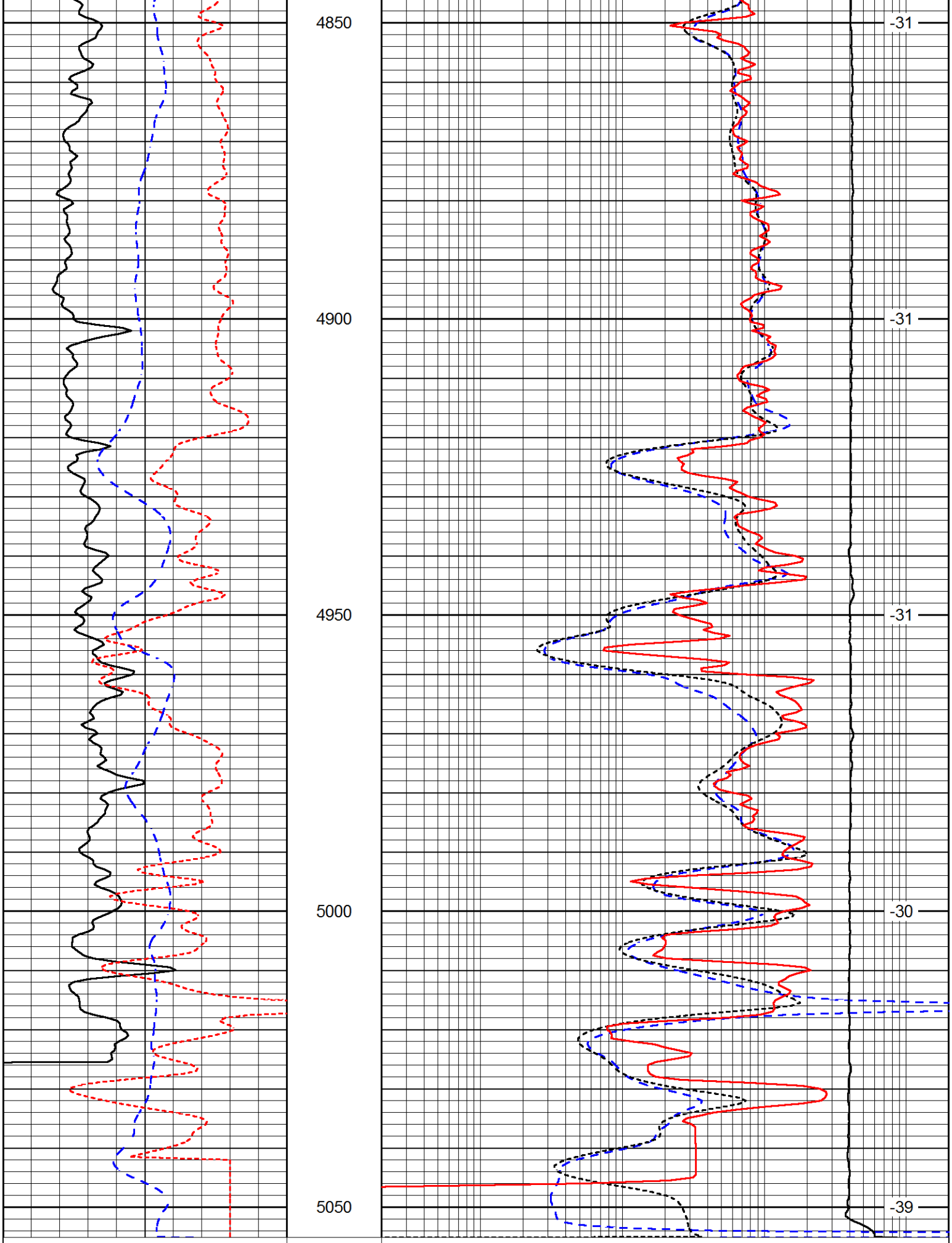
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RxoRt
40
0.2
Deep Resistivity (Ohm-m)
2000
0.2
Medium Resistivity (Ohm-m)
2000

-200	SP (mV)	0
0.2	Shallow Resistivity (Ohm-m)	2000
10000	Line Tension (lb)	0

LSPD
(ft/min)