PIONEER
Pioneer Energy Services

DUAL COMP POROSITY 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
DIL
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

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Well	O'BRATE BEACH #1-27
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County	FINNEY
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API #:	15-055-22434-00-00
Other Services	DIL 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

Date	8/24/2016
Run Number	ONE
Type Log	CNL/CDL
Depth Driller	5050'
Depth Logger	5052'
Bottom Logged Interval	5031'
Top Logged Interval	3700'
Type Fluid In Hole	CHEMICAL
Salinity, PPM CL	1800
Density	9.5
Level	FULL
Max. Rec. Temp. F	127
Operating Rig Time	5 HOURS
Equipment -- Location	91 COLBY
Recorded By	D. SCHMIDT
Witnessed By	KEVIN TIMSON

Borehole Record

Run No.	Bit	From	To
ONE	12.25"	00'	1699'
TWO	7.875"	1699'	TD

Casing Record

Size	Wgt.	From	To
8.625"	23#	00'	1699'

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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

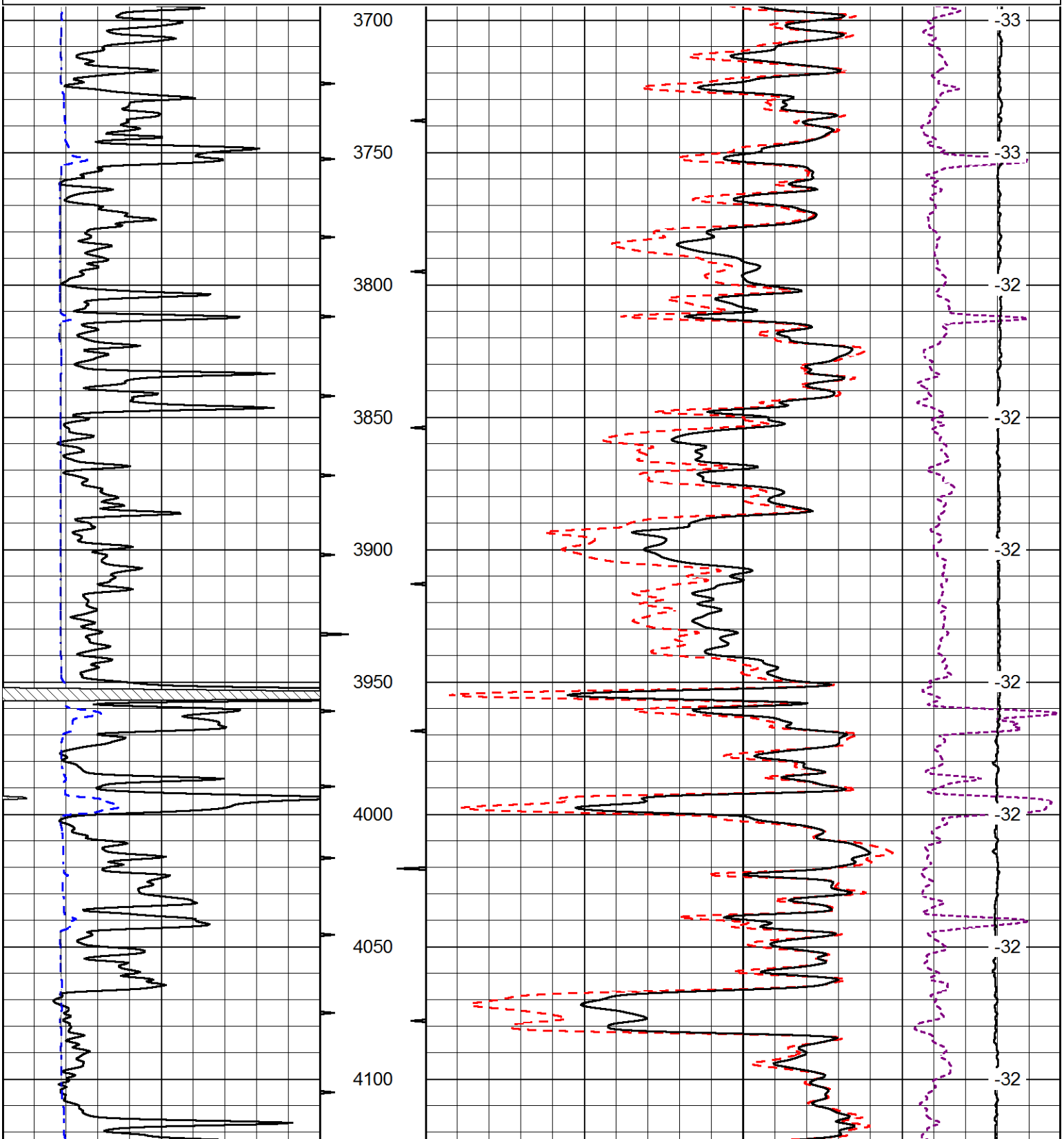
Your Pioneer Energy Services Crew	This Log Record Was Witnessed By
Engineer: D. SCHMIDT	Primary Witness: KEVIN TIMSON
Operator:	Secondary Witness:
Operator:	Secondary Witness:
Operator:	Secondary Witness:

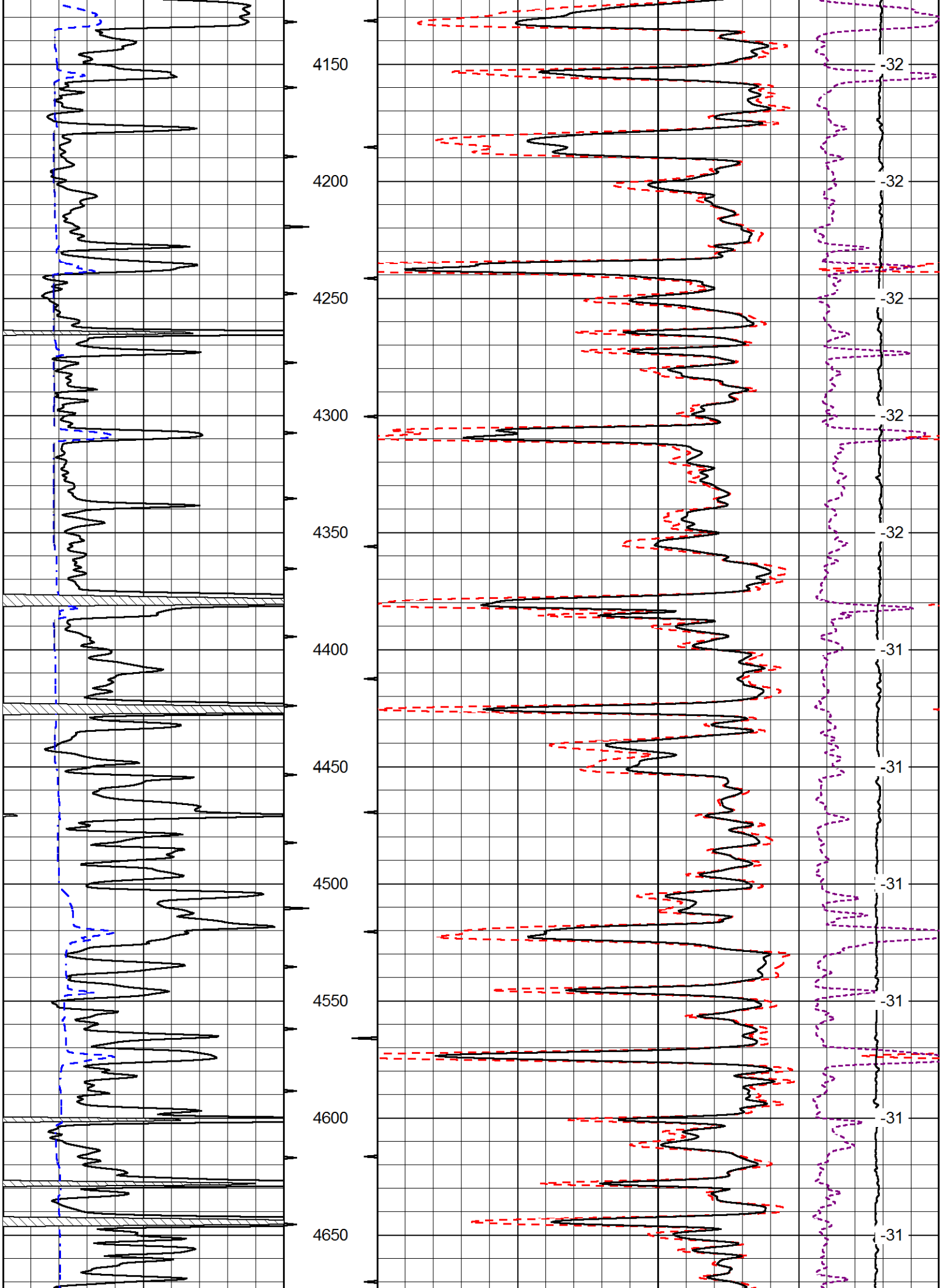
Database File	american warrior_o'brate beach_1-27hd.db
Dataset Pathname	DIL/awstack
Presentation Format	cdl
Dataset Creation	Thu Aug 25 01:52:35 2016
Charted by	Depth in Feet scaled 1:600

0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

30	Compensated Density (pu)	-10
2	Bulk Density (g/cc)	3
15000	Line Tension (lb)	0
-0.25	Correction (g/cc)	0.25

LSPD (ft/min)

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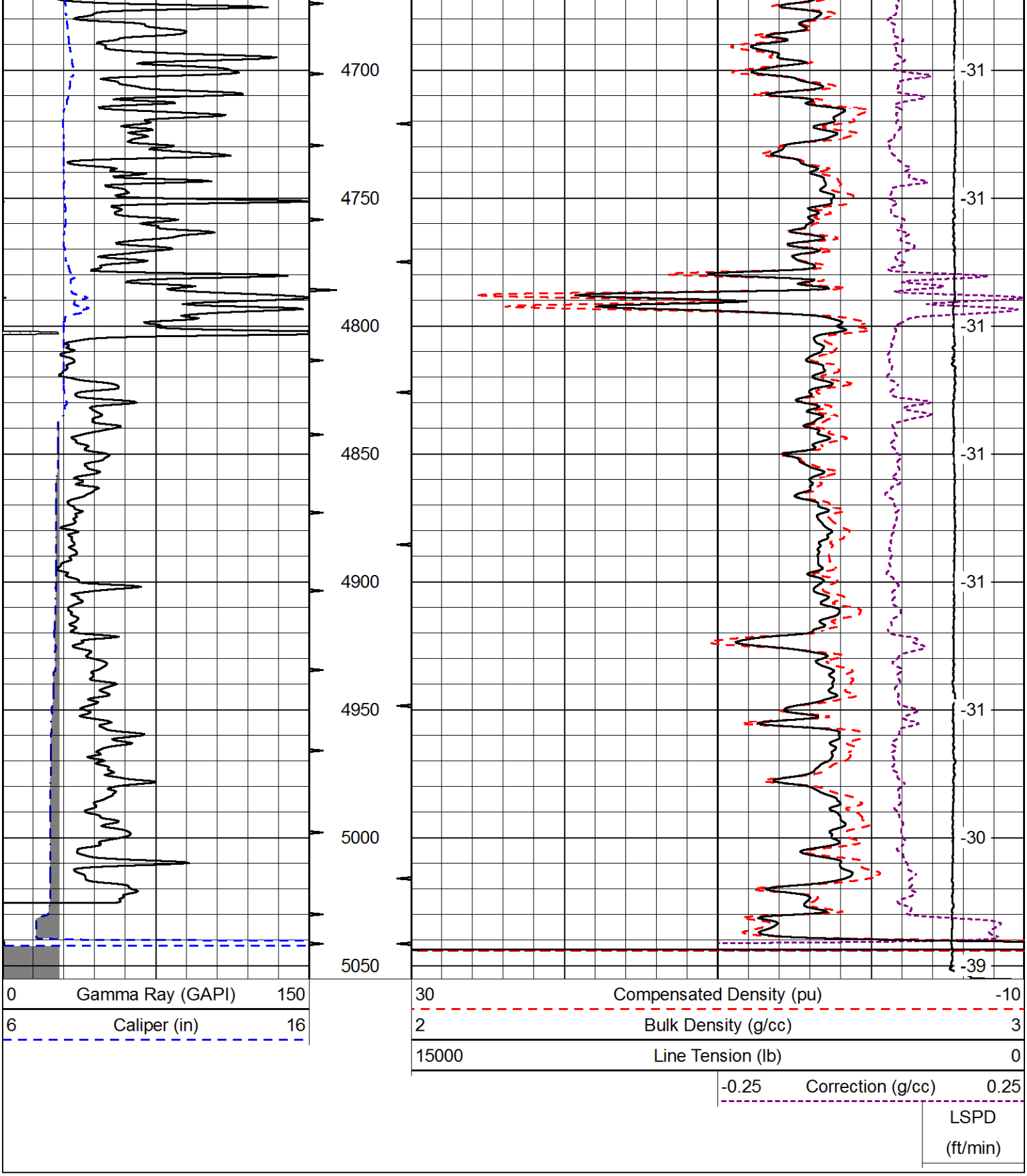
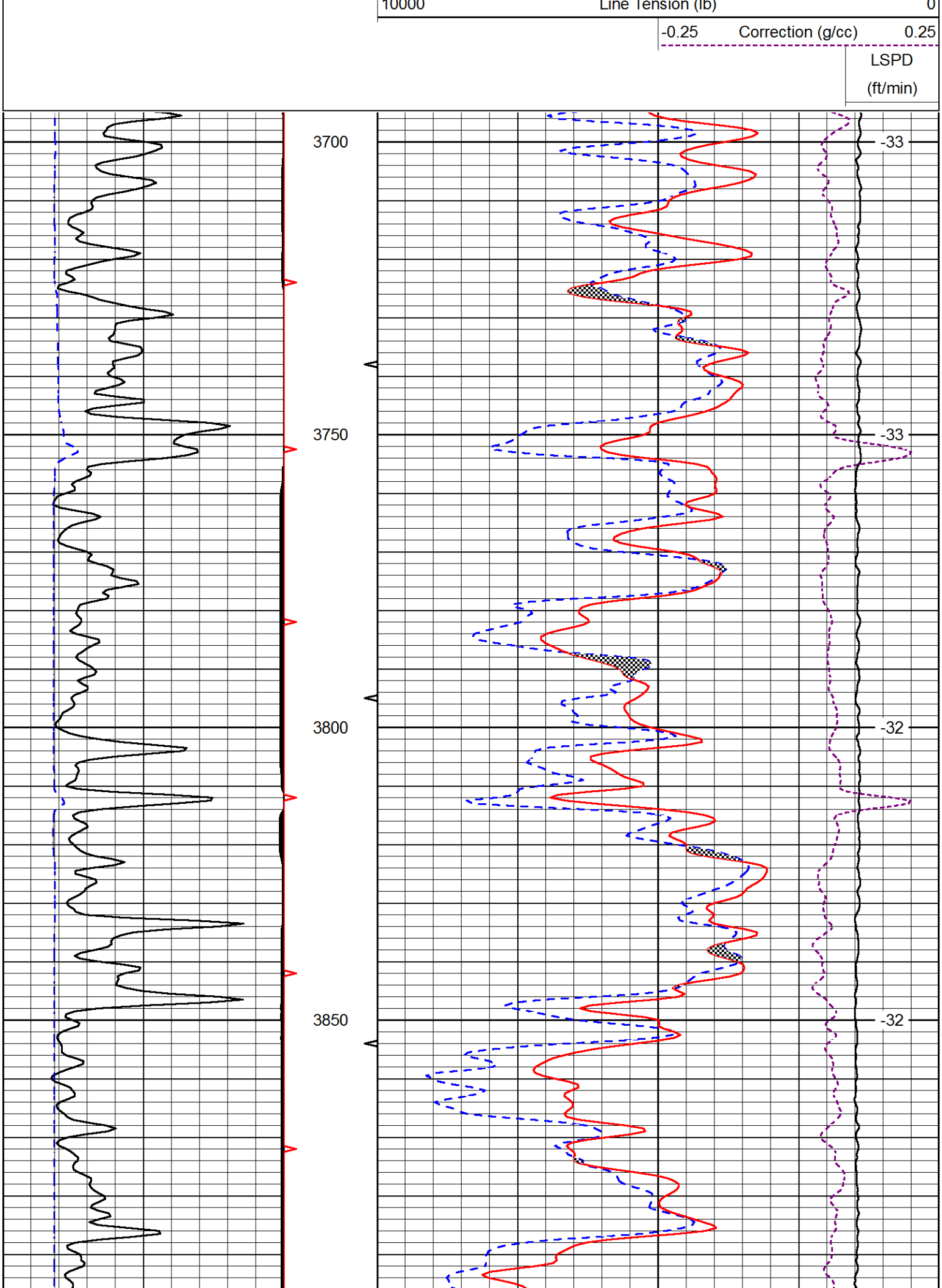


Database File	american warrior_o'brate beach_1-27hd.db
Dataset Pathname	DIL/awstack
Presentation Format	cndlspec
Dataset Creation	Thu Aug 25 01:52:35 2016
Charted by	Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

30	CNLS (pu)	-10
30	Compensated Density (2.71 ma) (pu)	-10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0
-0.25
Correction (g/cc)
0.25
LSPD
(ft/min)
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-33
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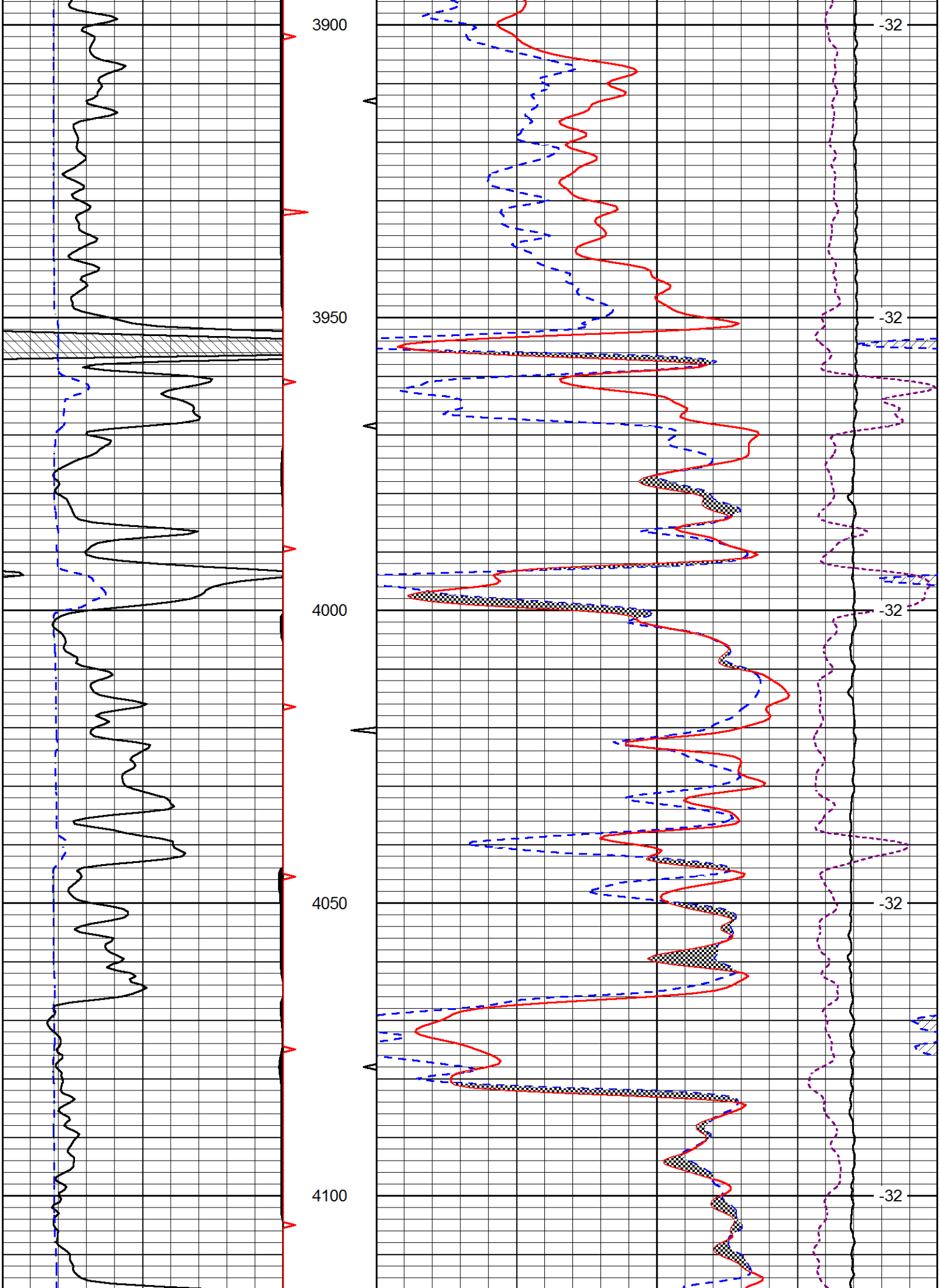
-32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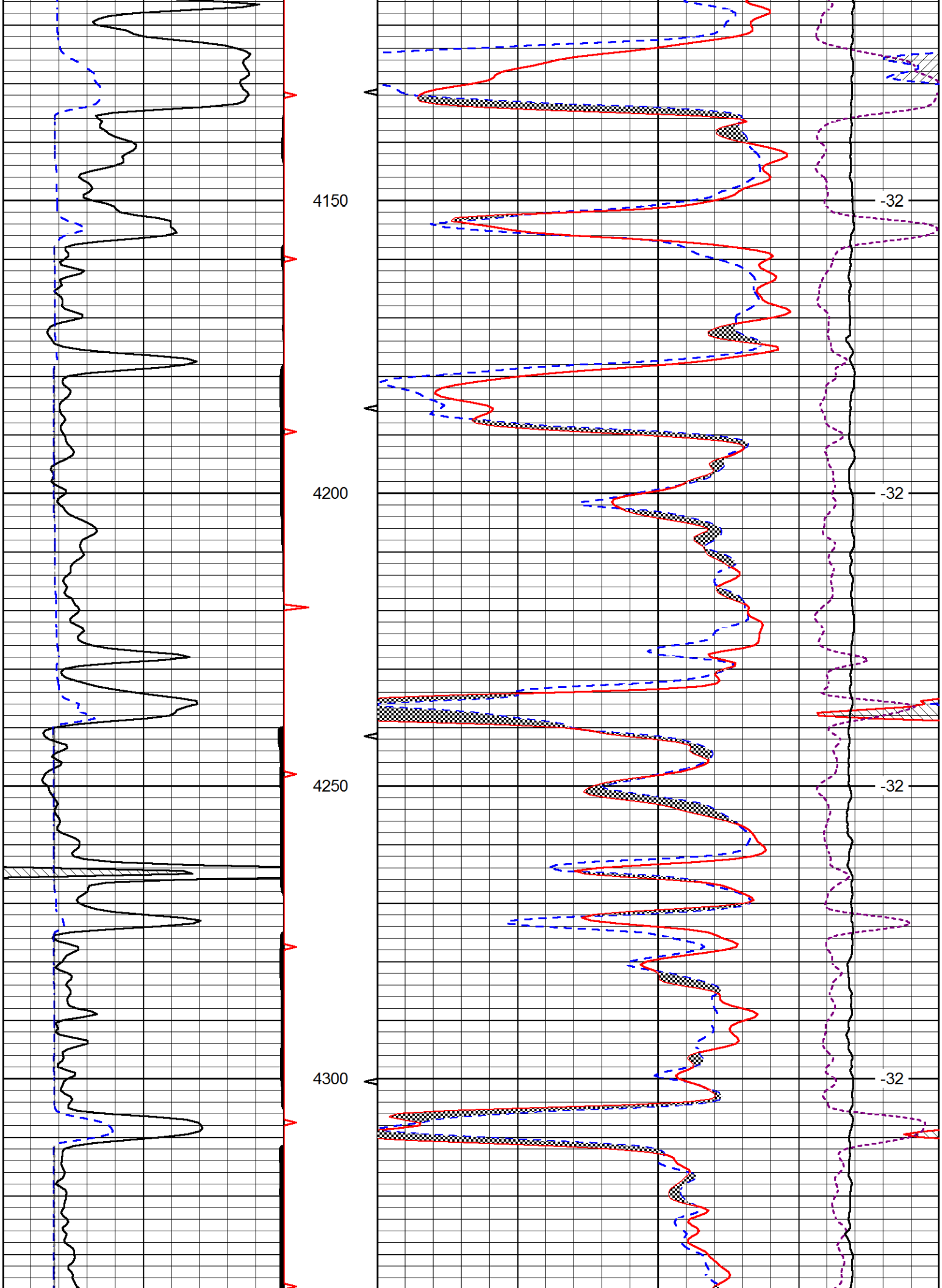
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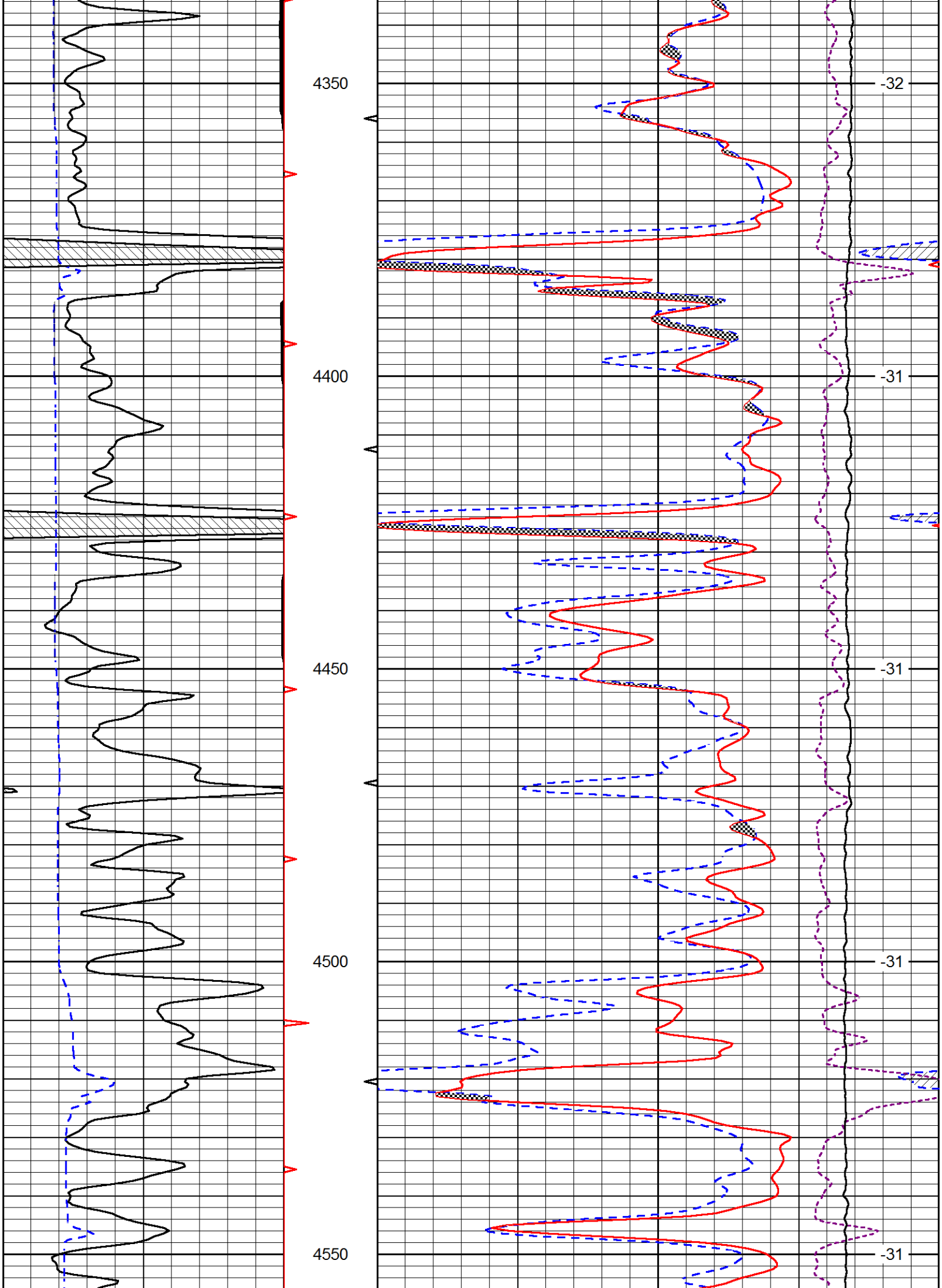
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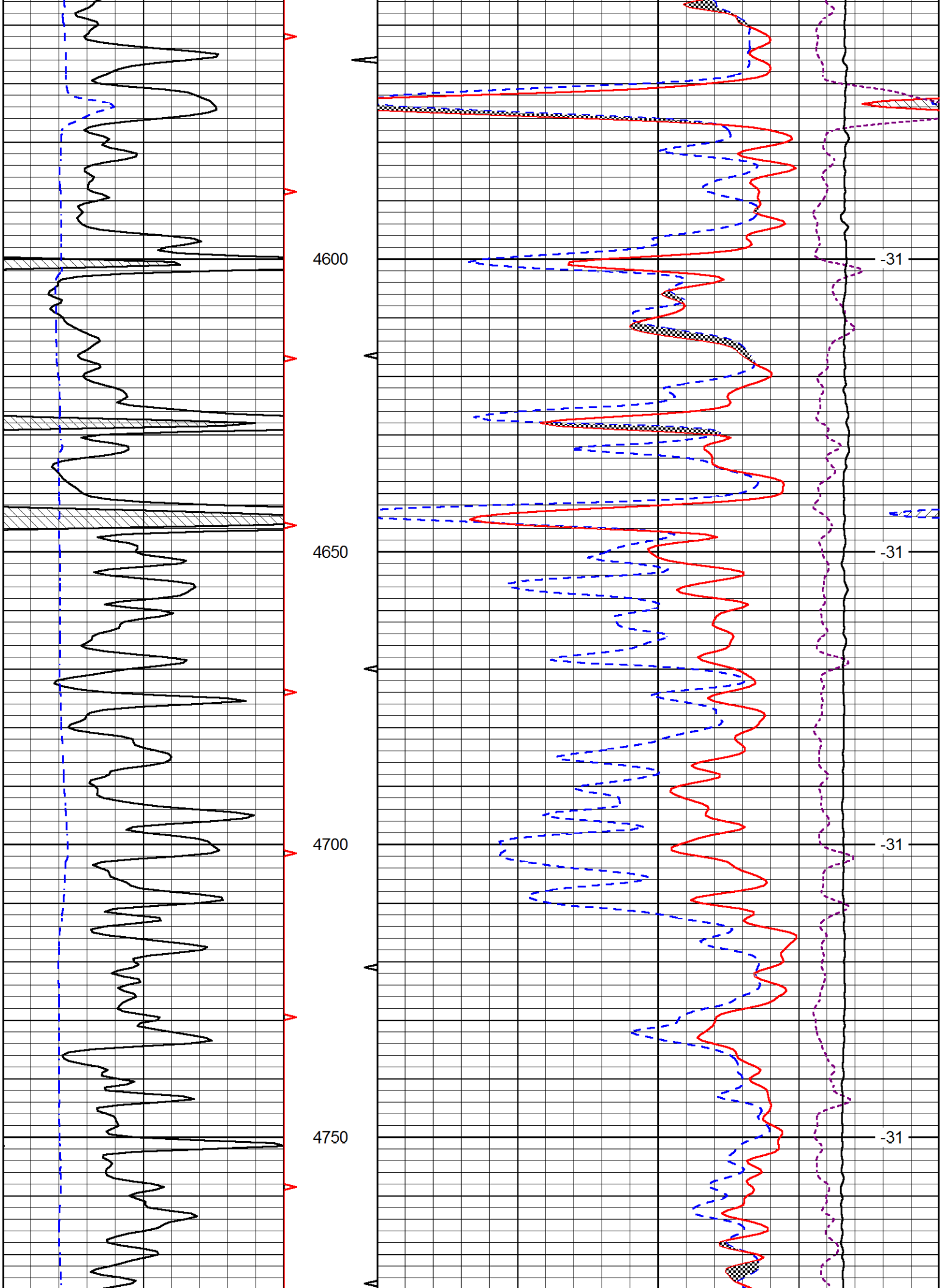
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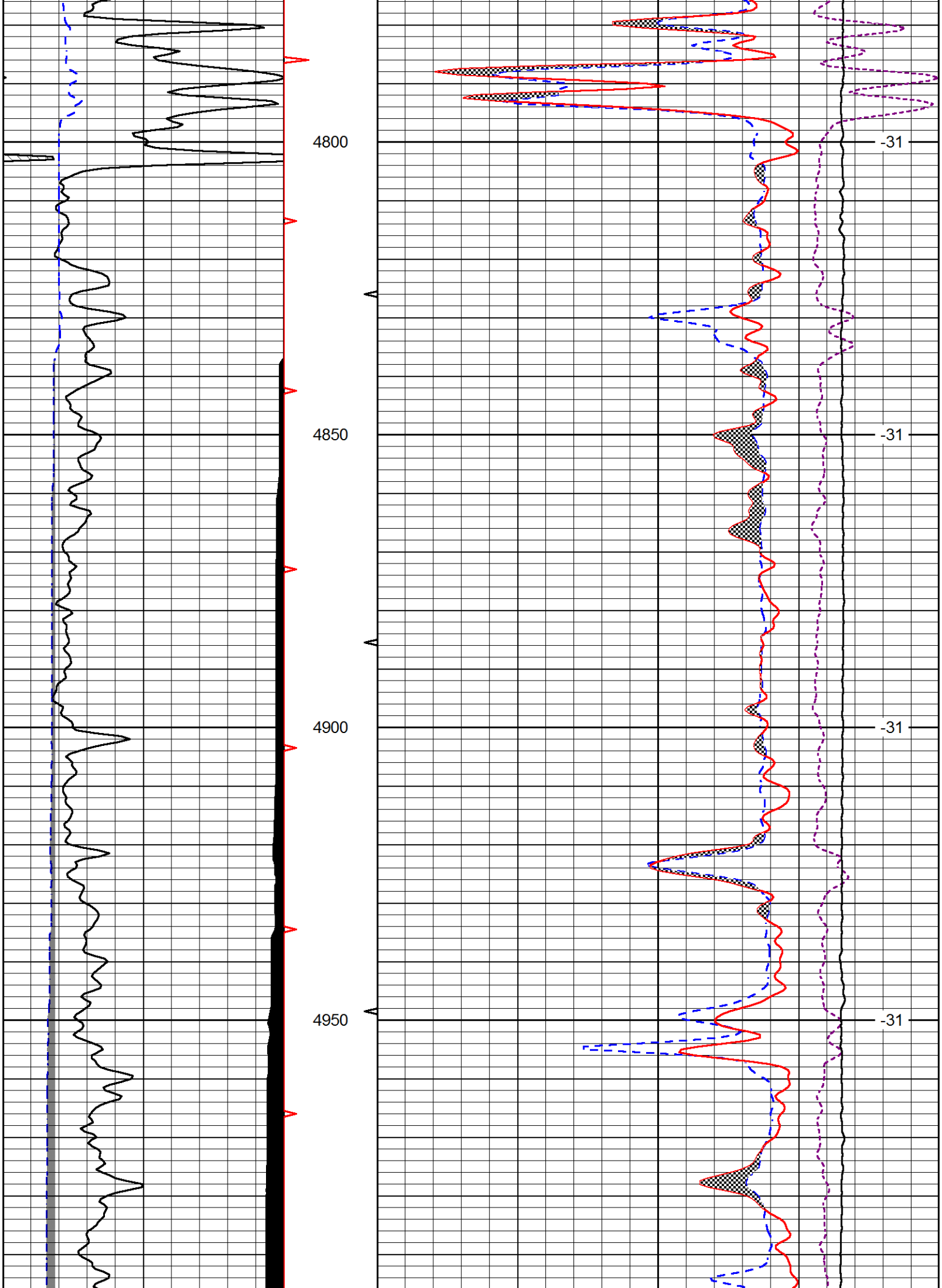
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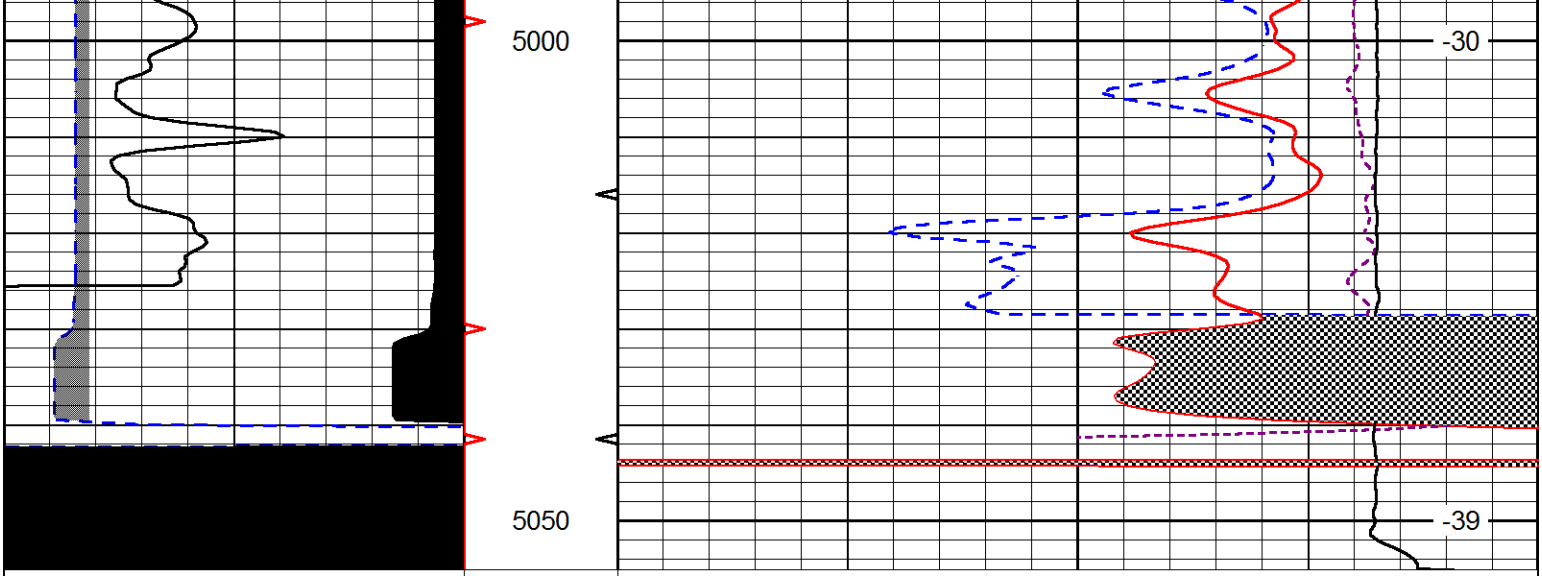
-31



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