PIONEER

Pioneer Energy Services

MICRORESISTIVITY LOG

Company BLACKSTONE OIL & GAS (KS), LLC
Well MDNR NO. 1-3
Field REICHEL EAST
County RUSH
State KANSAS

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County RUSH State KANSAS

Location: API # : 15-165-22,121-00-00
467' FNL & 467' FEL
SEC 3 TWP 18S RGE 16W

Other Services
CNL/CDL
DIL

Permanent Datum GROUND LEVEL Elevation 1971'
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING

Elevation
K.B. 1977'
D.F. N/A
G.L. 1971'

Date	2/14/2016			
Run Number	ONE			
Depth Driller	2600'			
Depth Logger	2599'			
Bottom Logged Interval	2598'			
Top Log Interval	1800'			
Casing Driller	8.625" @ 1024'			
Casing Logger	1019'			
Bit Size	7.875"			
Type Fluid in Hole	CHEMICAL			
Salinity,ppm CL	6000			
Density / Viscosity	8.9 57			
pH / Fluid Loss	9.0 12.0			
Source of Sample	Flowline			
Rm @ Meas. Temp	.28 @ 64			
Rmf @ Meas. Temp	.21 @ 64			
Rmc @ Meas. Temp	.38 @ 64			
Source of Rmf / Rmc	Charts			
Rm @ BHT	.18 @ 102			
Operating Rig Time	2 HOURS			
Max Rec. Temp. F	102 DEG F			
Equipment Number	108			
Location	Hays			
Recorded By	J. LONG			
Witnessed By	ROD ANDERSEN			

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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.

OTIS, 1 WEST, 1 SOUTH, 100' WEST, SOUTH INTO

Log Measured From: KELLY BUSHING 6 Ft. Above Permanent Datum

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

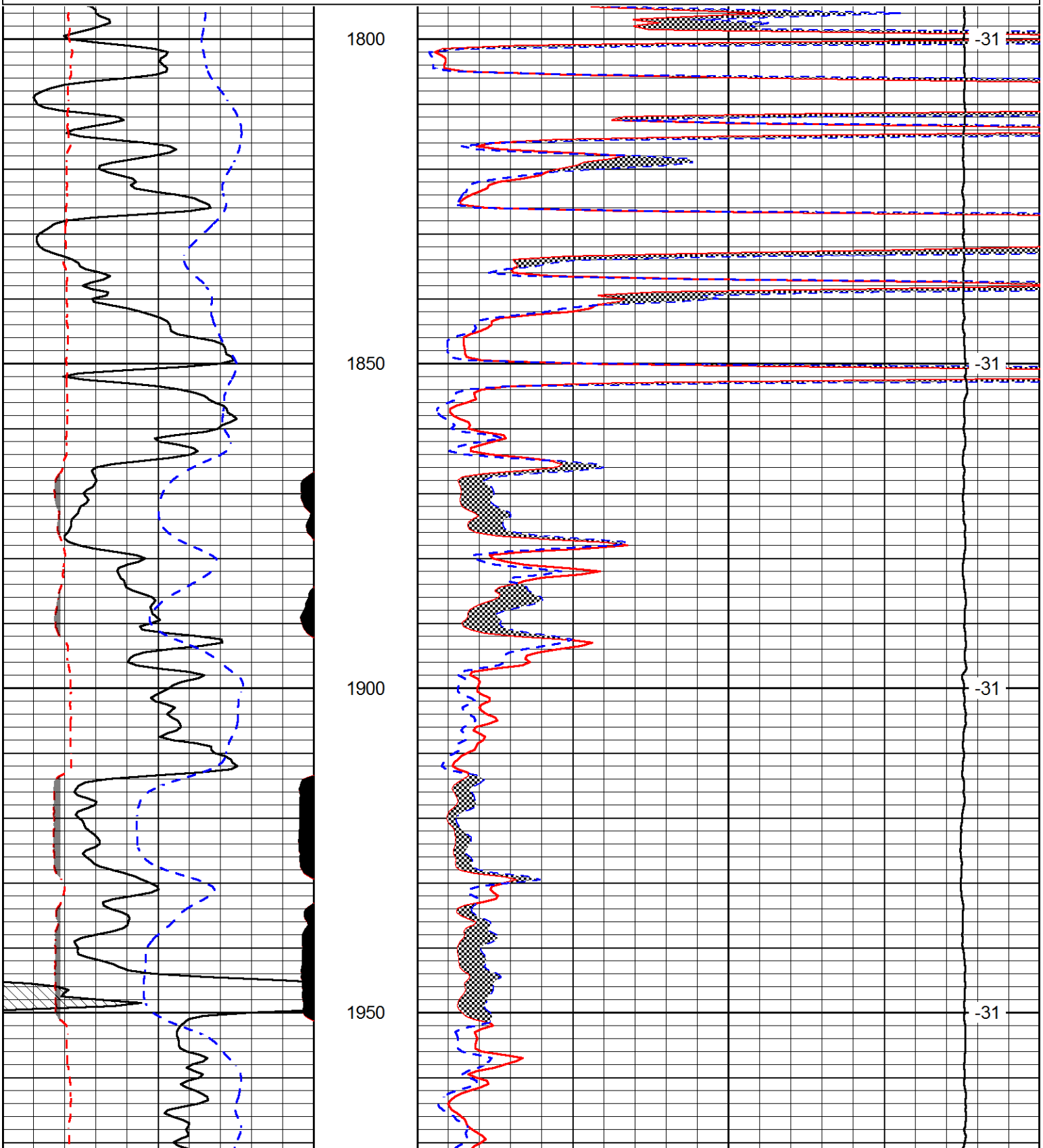
Your Pioneer Energy Services Crew	This Log Record Was Witnessed By
Engineer: J. LONG	Primary Witness: ROD ANDERSEN
Operator:	Secondary Witness:
Operator:	Secondary Witness:
Operator:	Secondary Witness:

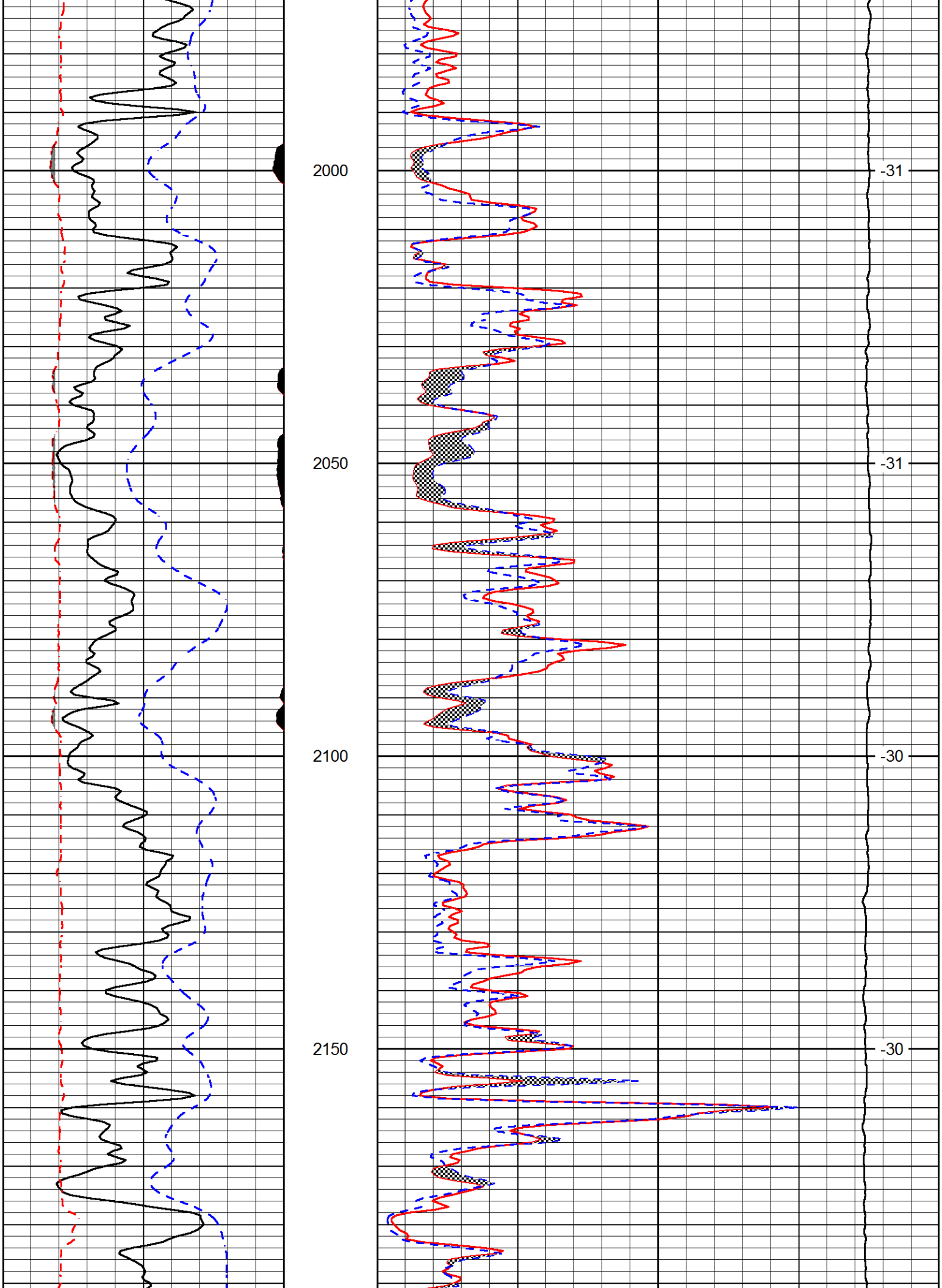
Database File	blackstone_mdnr_1-3hd.db
Dataset Pathname	DIL/blckstck
Presentation Format	micro
Dataset Creation	Sun Feb 14 15:50:14 2016
Charted by	Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
6	MCAL (in)	16
2.875	Mud Cake (in)	7.875
-200	SP (mV)	0

0	Micro Inverese 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0

LSPD (ft/min)

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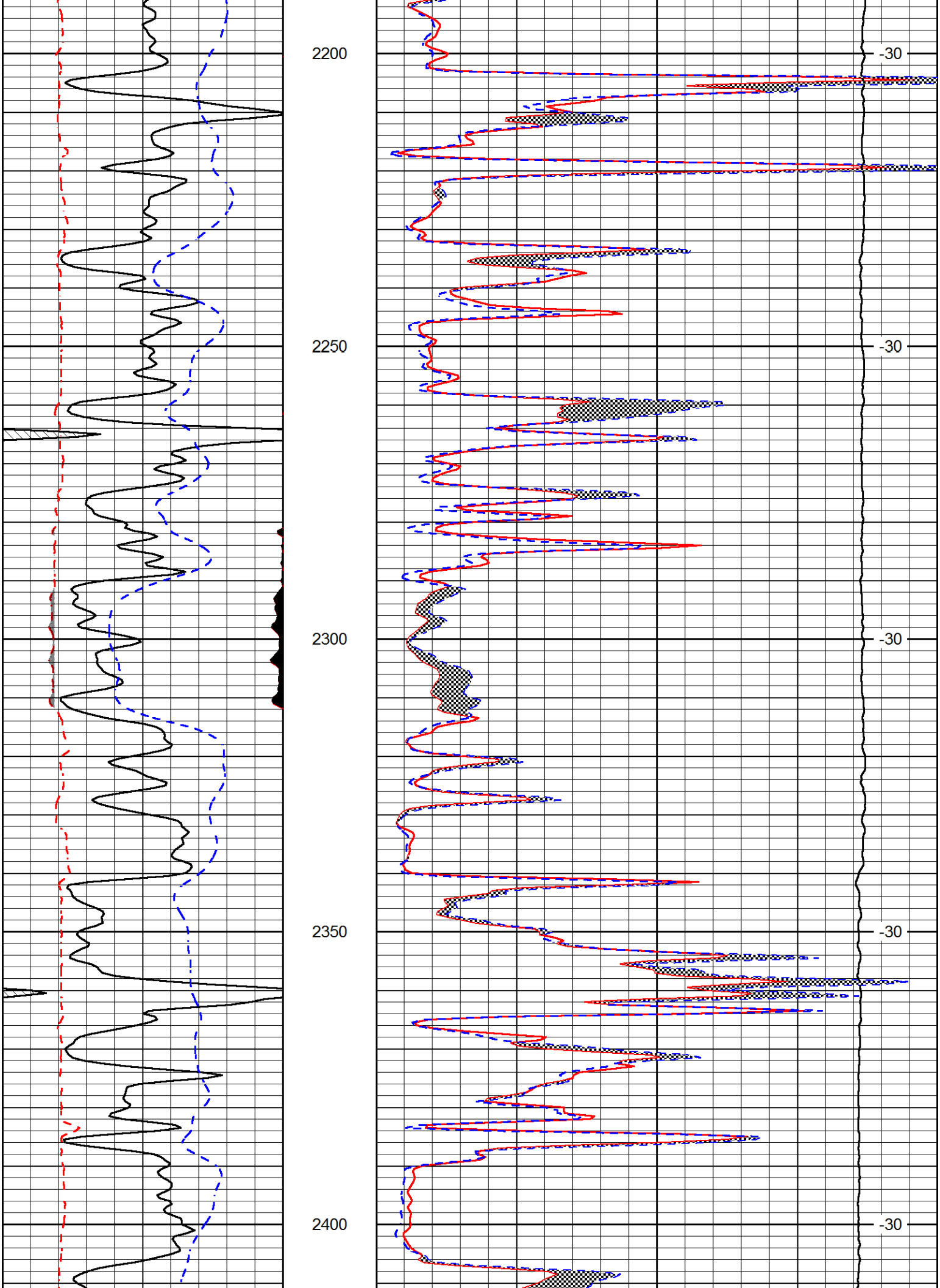
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2350
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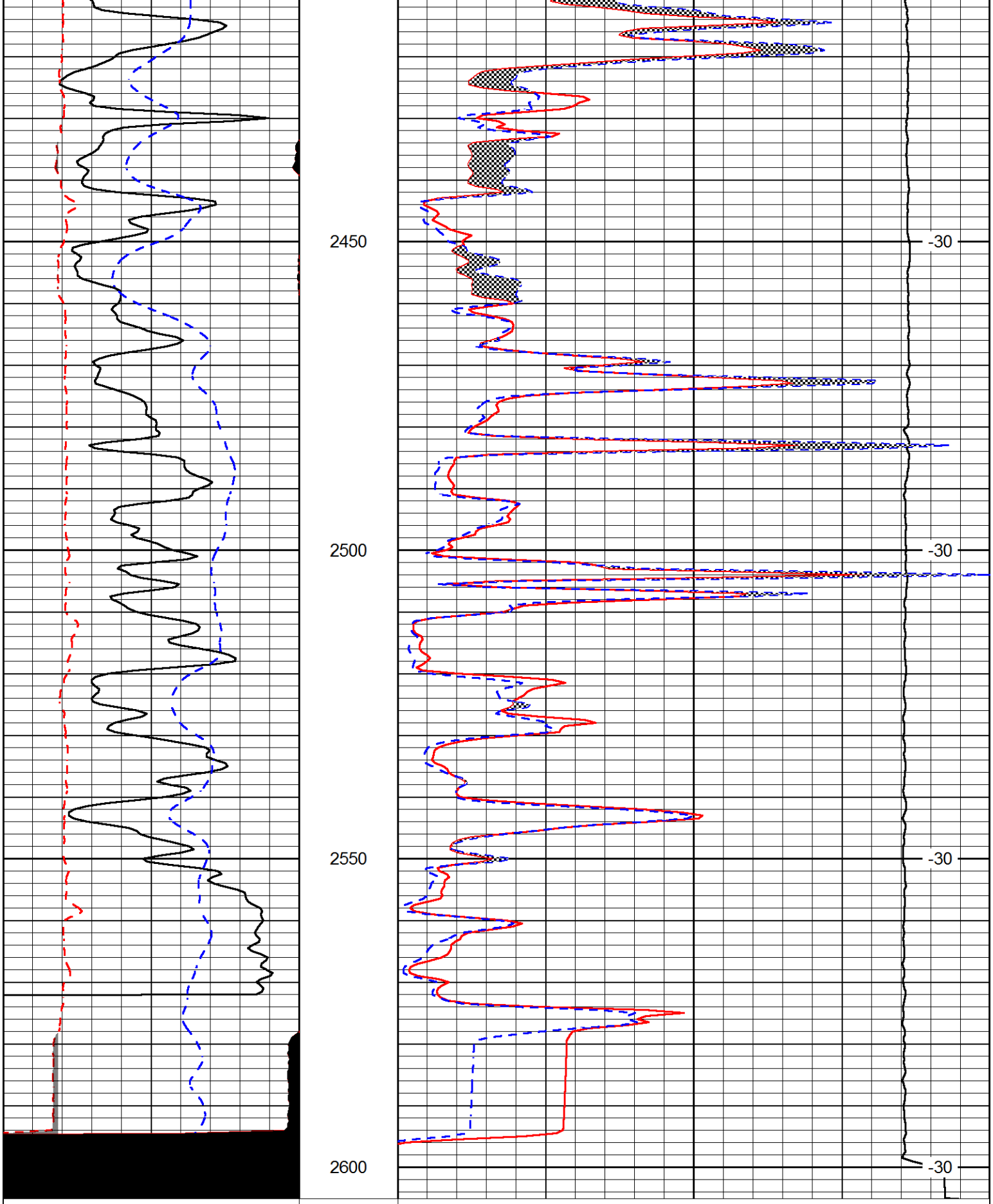

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