



Microresistivity Log

Pioneer Energy Services

API No.

15-015-24,026-00-00

Company Tomco Oil, Inc.

Well Rock Creek Ranch #3

Field Clay

County Butler

State

Kansas

Location

330' FSL & 330' FEL

Sec: 31

Twp: 29S

Rge: 6E

Elevation

Permanent Datum Ground Level

Elevation 1382

Log Measured From Kelly Bushing

8 Ft. Above Perm. Datum

Other Services
CNL/CDL
DIL

Date

7/8/2014

Run Number

Two

Depth Driller

3108

Depth Logger

3107

Bottom Logged Interval

3106

Top Log Interval

1700

Casing Driller

8.625 @ 200

Casing Logger

210

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

1300

Density / Viscosity

9.1 42

pH / Fluid Loss

10.0 8.0

Source of Sample

Flowline

Rm @ Meas. Temp

1.50 @ 82

Rmf @ Meas. Temp

1.13 @ 82

Rmc @ Meas. Temp

2.03 @ 82

Source of Rmf / Rmc

Charts

Rm @ BHT

1.15 @ 107

Operating Rig Time

4 Hours

Max Rec. Temp. F

107

Equipment Number

108

Location

Hays

Recorded By

J. Long

D. Fischer

Witnessed By

Tom Blair

<<< Fold Here >>>

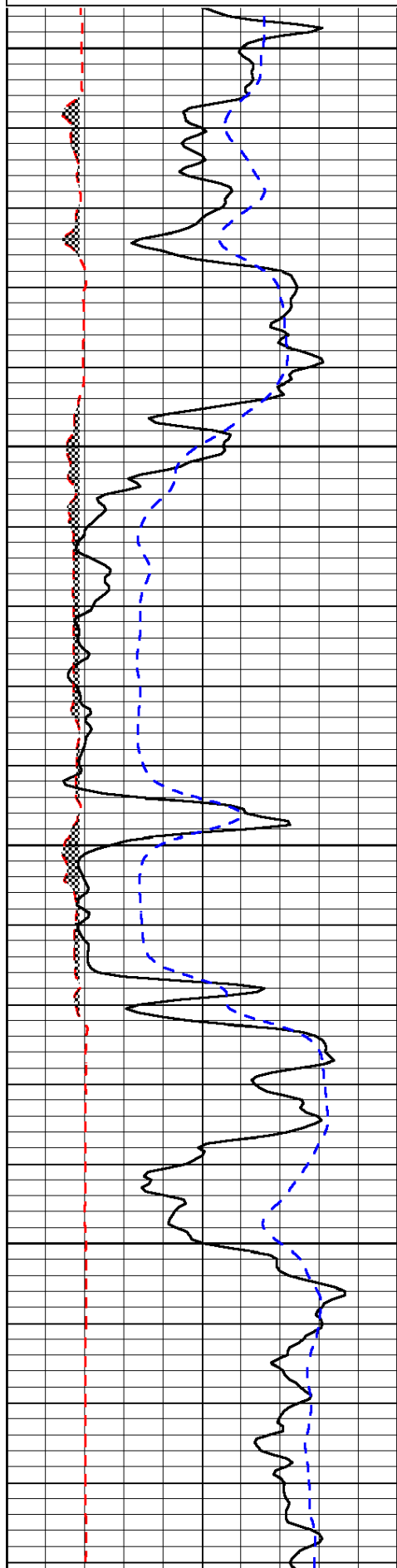
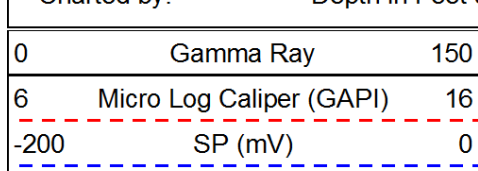
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

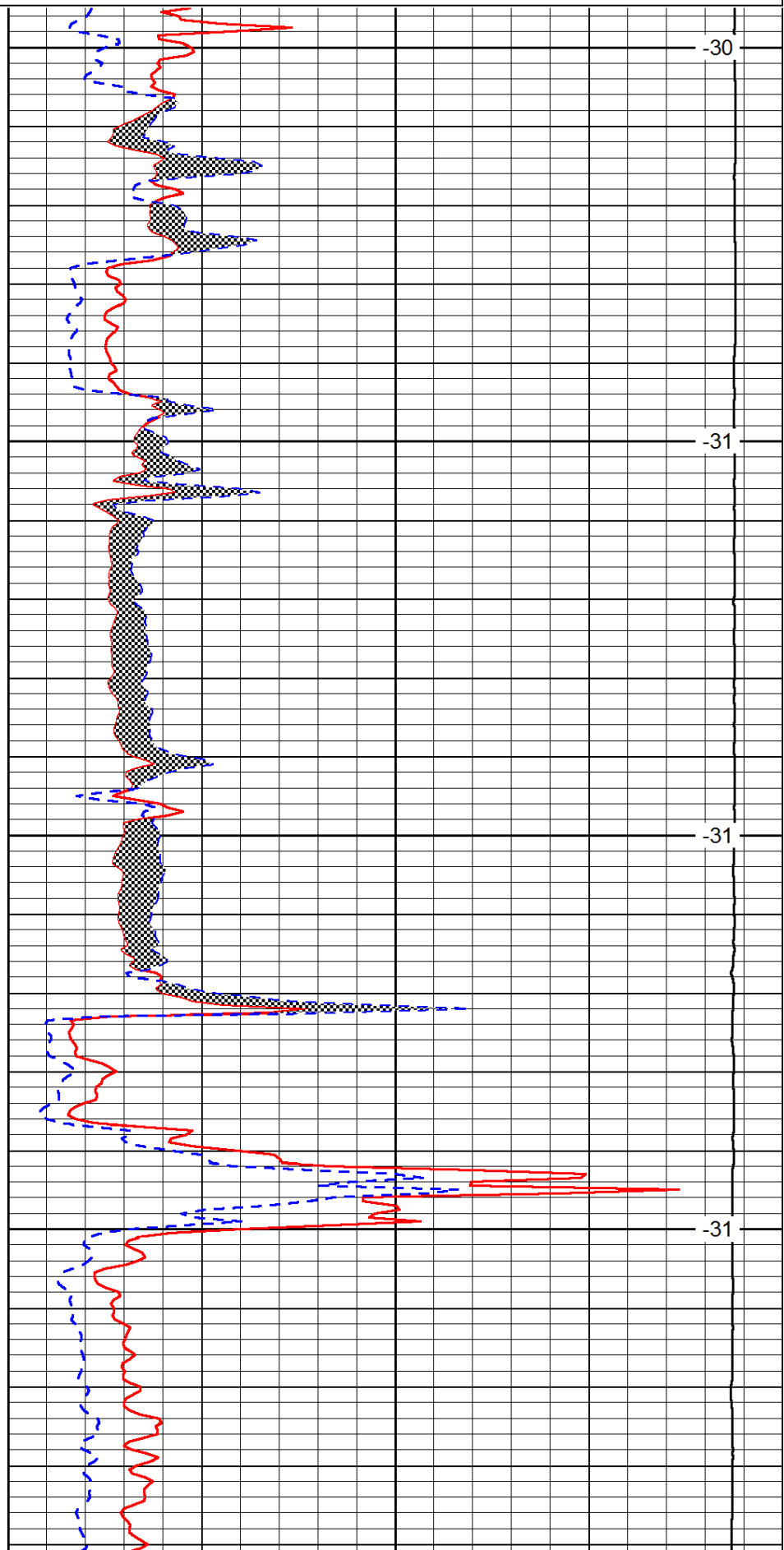
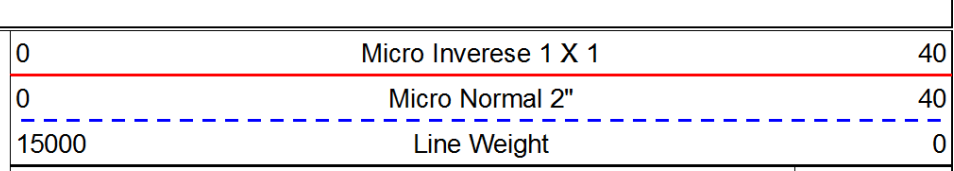
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

Rock, KS; 11 East to 191st Rd, 3 North, North Through Double Gate

Database File: c:\warrior\data\tomco oil_rock creek ranch #3\tomco_rockcreekranch_3hd.db
Dataset Pathname: DIL\tomstck
Presentation Format: micro
Dataset Creation: Tue Jul 08 00:41:39 2014
Charted by: Depth in Feet scaled 1:240

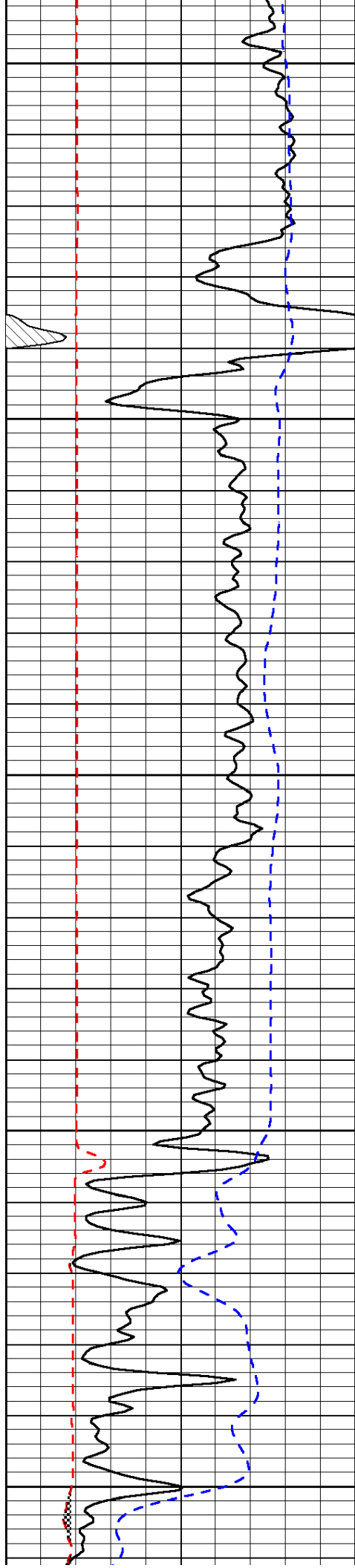


1800
1850
1900
1950



LSPD

-30
-31
-31
-31



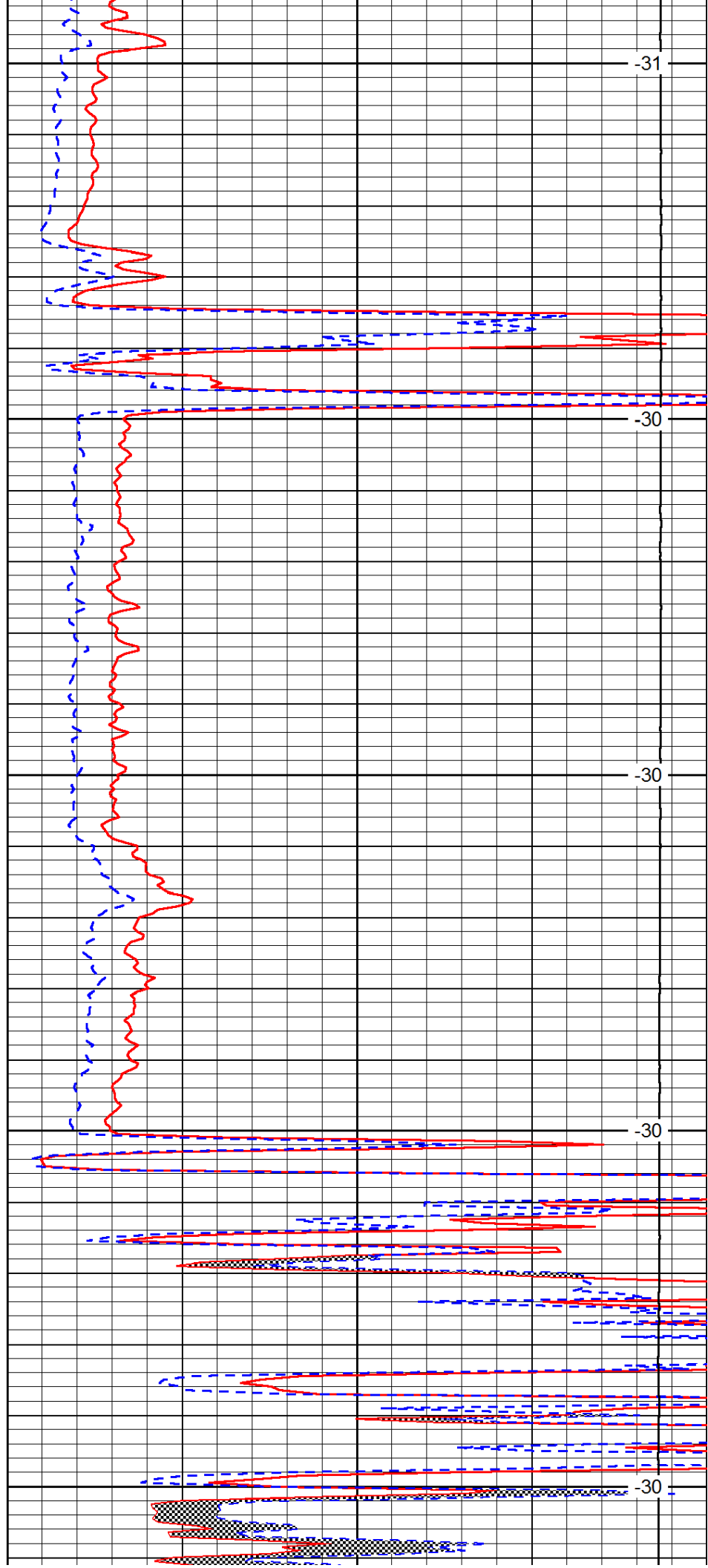
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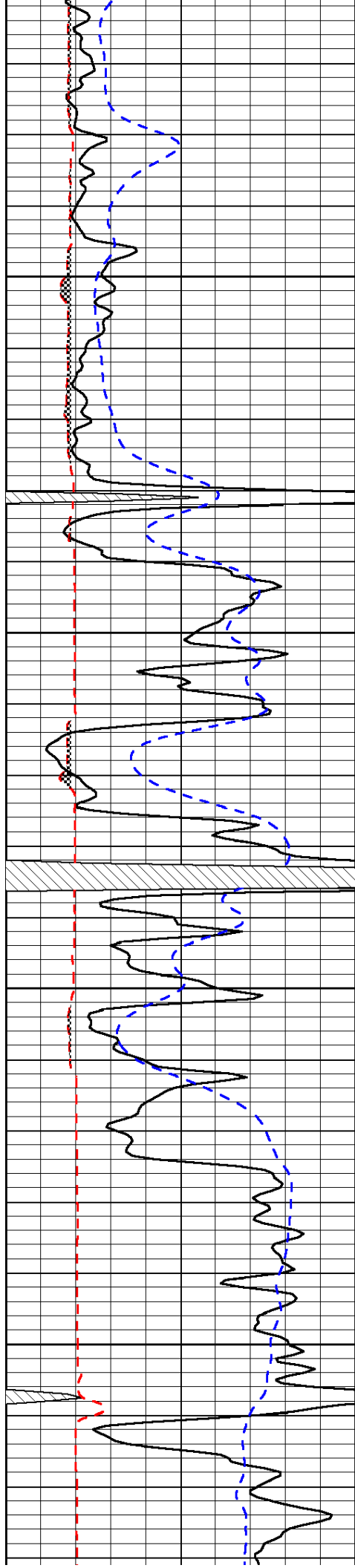
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2100

2150

2200



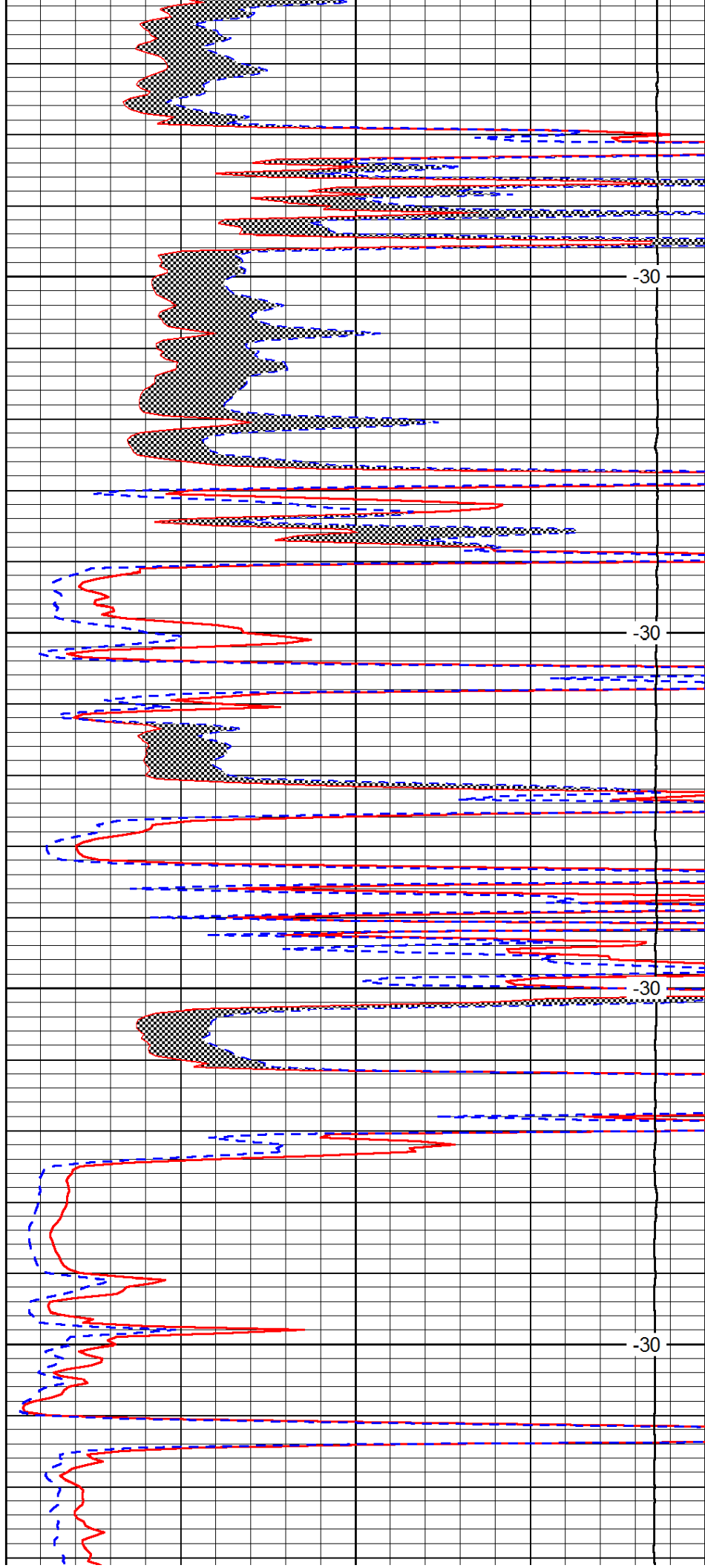


2250

2300

2350

2400

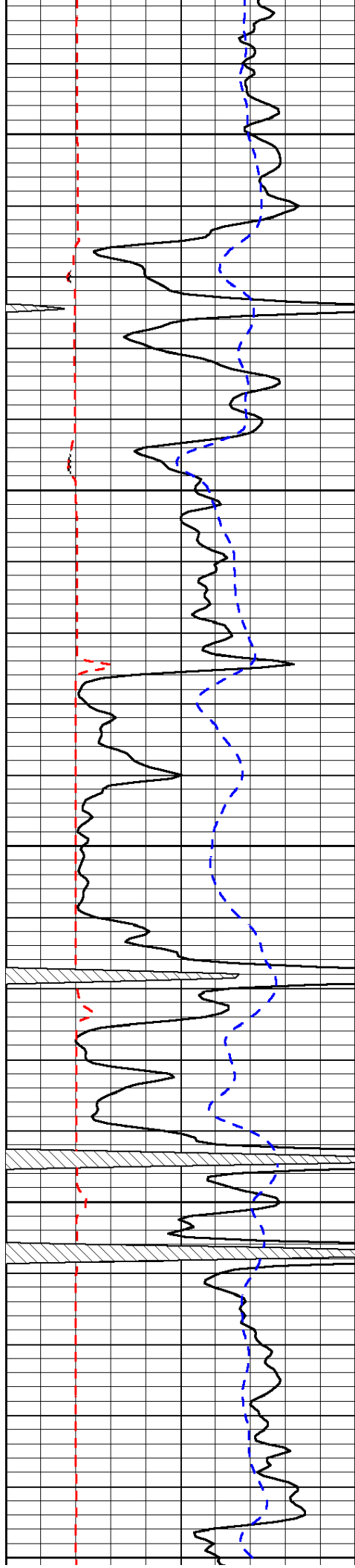


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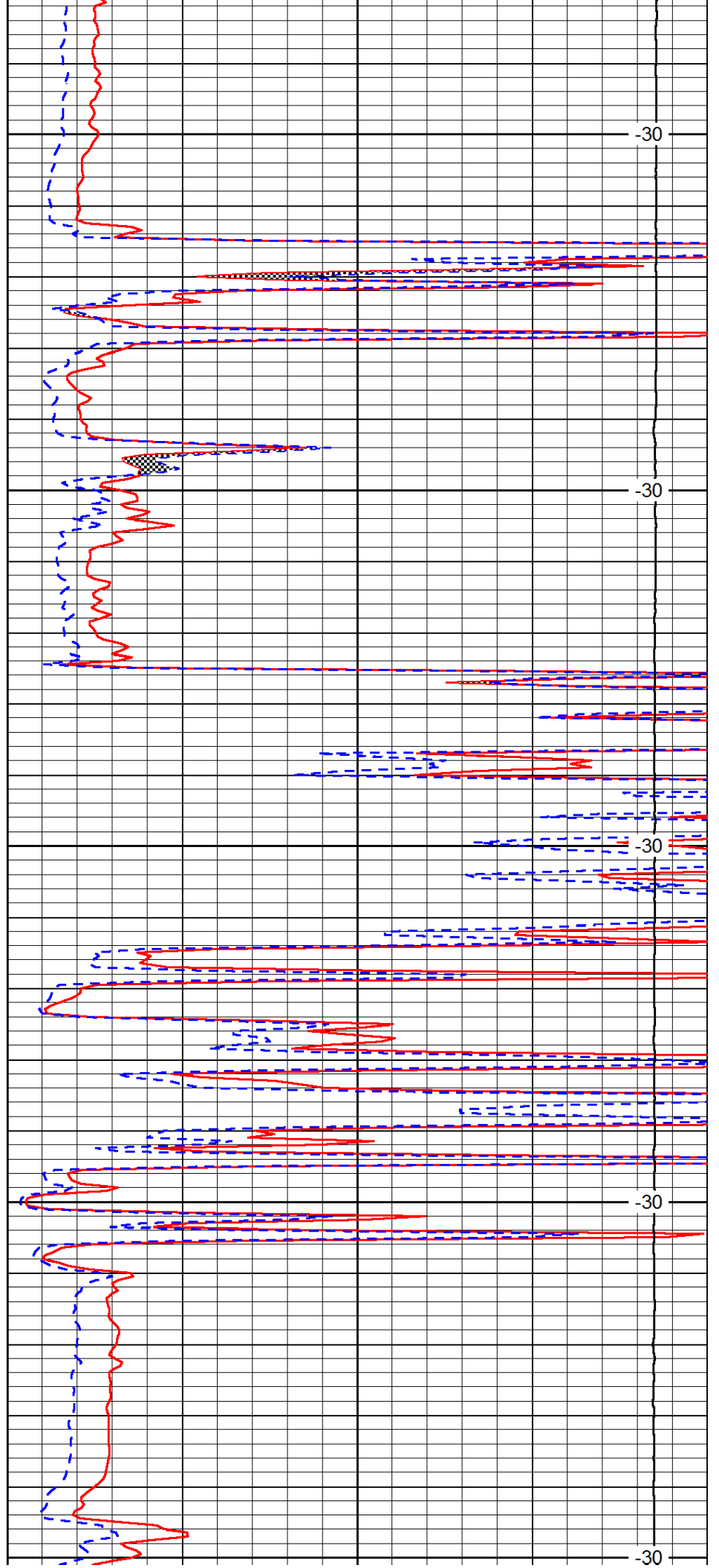
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2500

2550

2600

2650



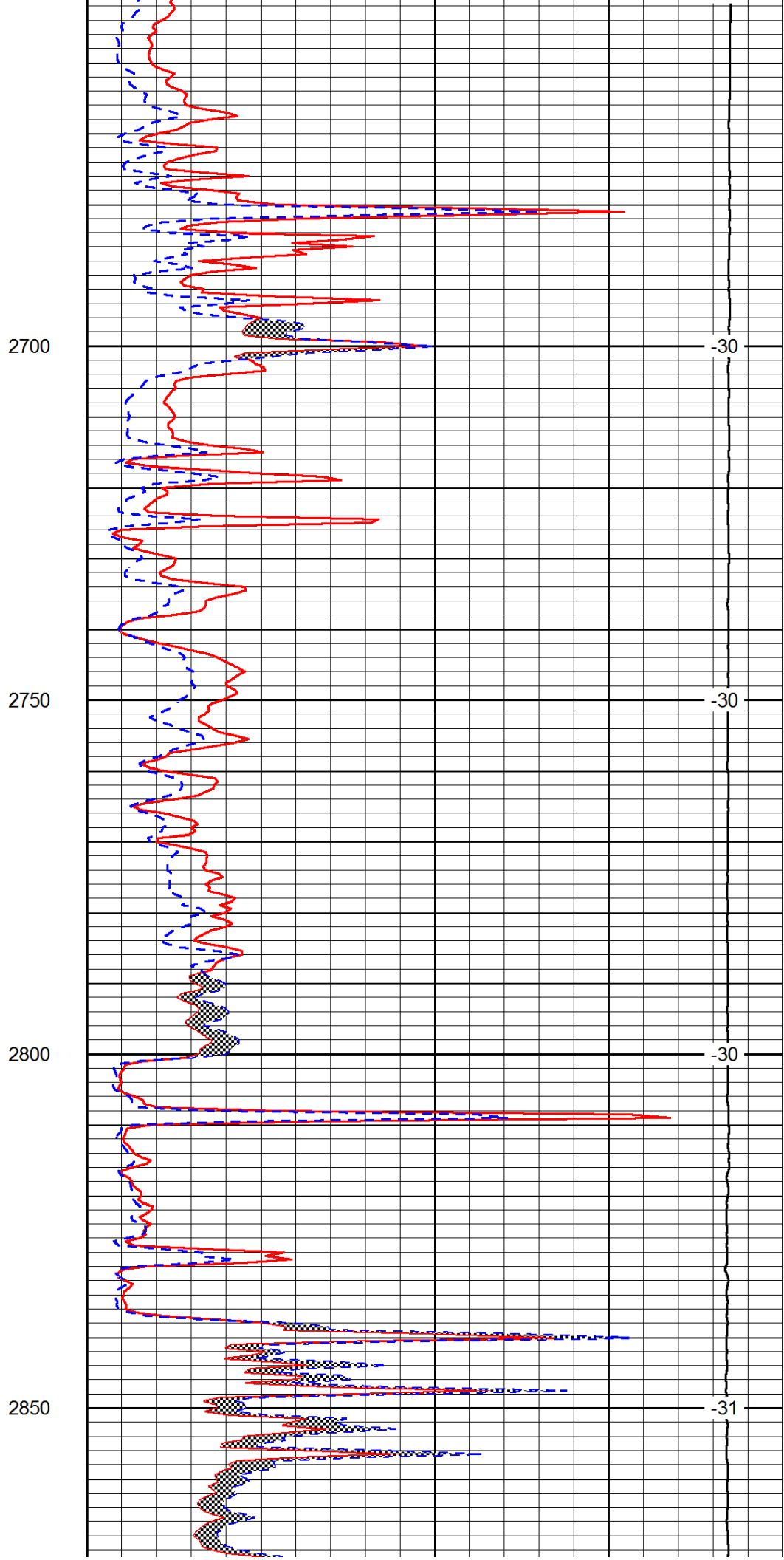
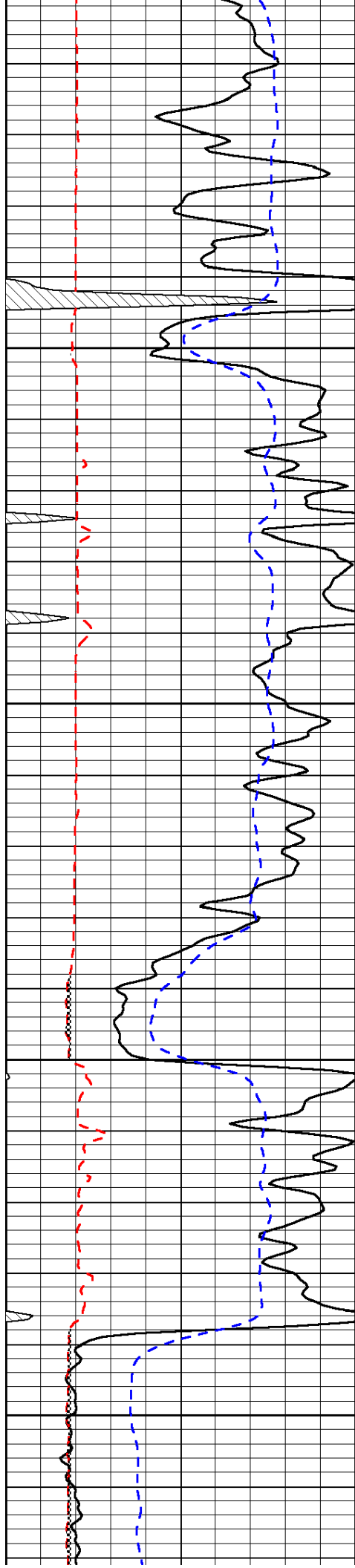
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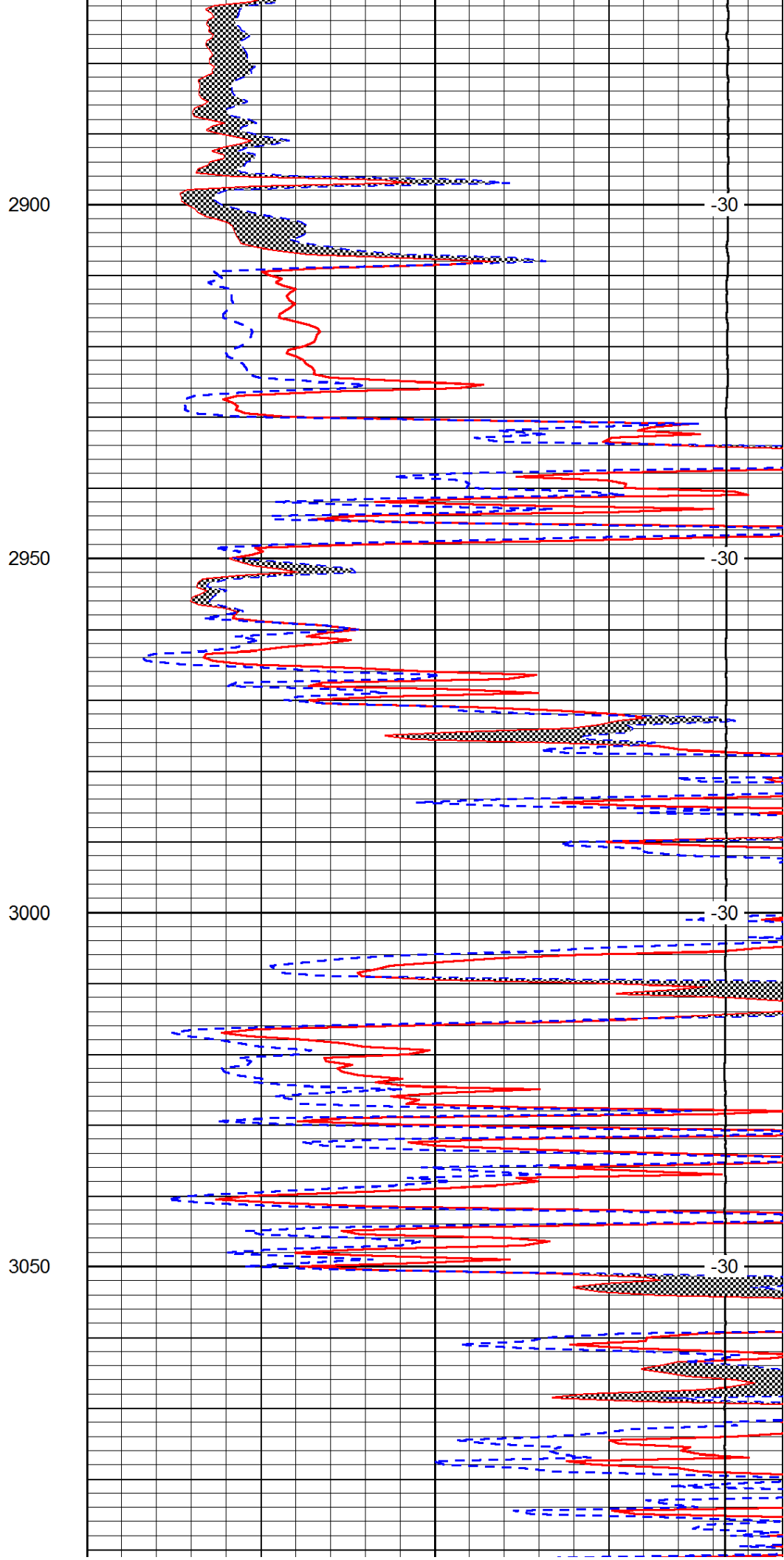
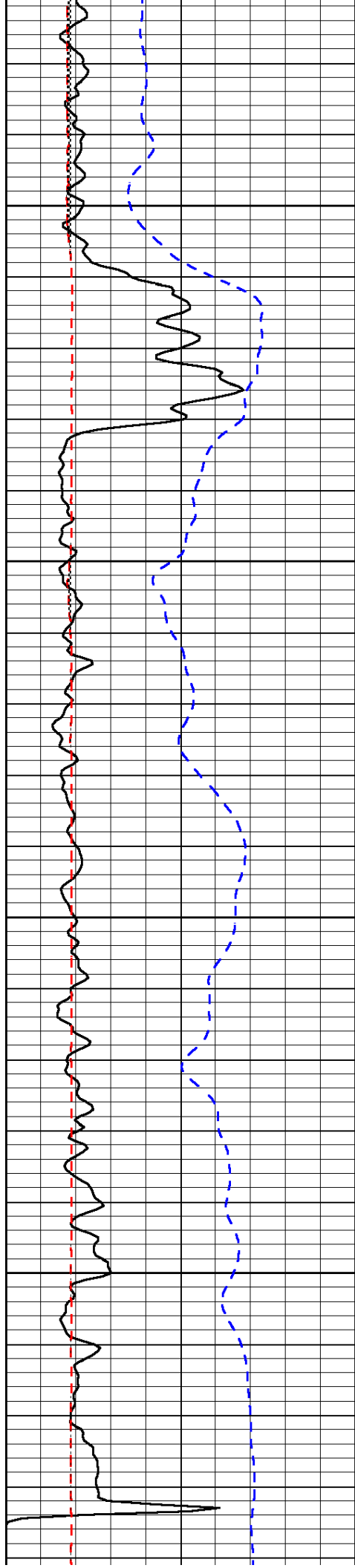
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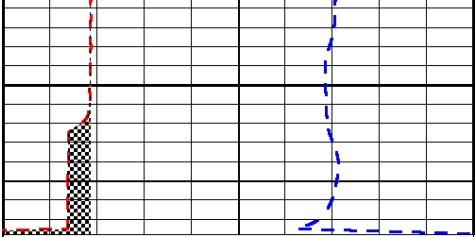
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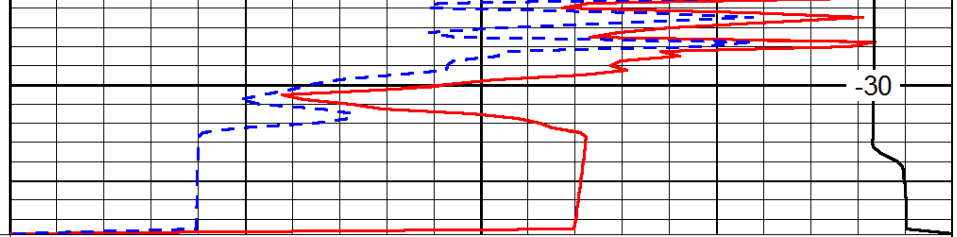






0	Gamma Ray	150
6	Micro Log Caliper (GAPI)	16
-200	SP (mV)	0

3100



0	Micro Inverse 1 X 1	40
0	Micro Normal 2"	40
15000	Line Weight	0

LSPD