



Pioneer Energy Services

Microresistivity Log

15-053-21,321-00-00

API No.

Company **Bird Dog Oil, LLC**
 Well **Stoltenberg-Svoboda #3-17**
 Field **Stoltenberg**
 County **Ellsworth** State **Kansas**

Location **1600' FNL & 1940' FEL**
 Sec: **17** Twp: **16S** Rge: **10W**

Other Services
 CNL/CDL
 DIL/BHCS

Permanent Datum **Ground Level** Elevation **1887**
 Log Measured From **Kelly Bushing** **8** Ft. Above Perm. Datum
 Drilling Measured From **Kelly Bushing**

Elevation
 K.B. 1895
 D.F. 1887
 G.L. 1887

Date	10/29/2014
Run Number	Two
Depth Driller	3440
Depth Logger	3442
Bottom Logged Interval	3441
Top Log Interval	2650
Casing Driller	8.625 @ 407
Casing Logger	405
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	9.100
Density / Viscosity	9.2 56
pH / Fluid Loss	10.0 9.6
Source of Sample	Flowline
Rm @ Meas. Temp	.15 @ 57
Rmf @ Meas. Temp	.11 @ 57
Rmc @ Meas. Temp	.20 @ 57
Source of Rmf / Rmc	Charts
Rm @ BHT	.08 @ 110
Operating Rig Time	5 Hours
Max Rec. Temp. F	110
Equipment Number	10
Location	Hays
Recorded By	J. Henrickson
Witnessed By	Adam Nighswonger

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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

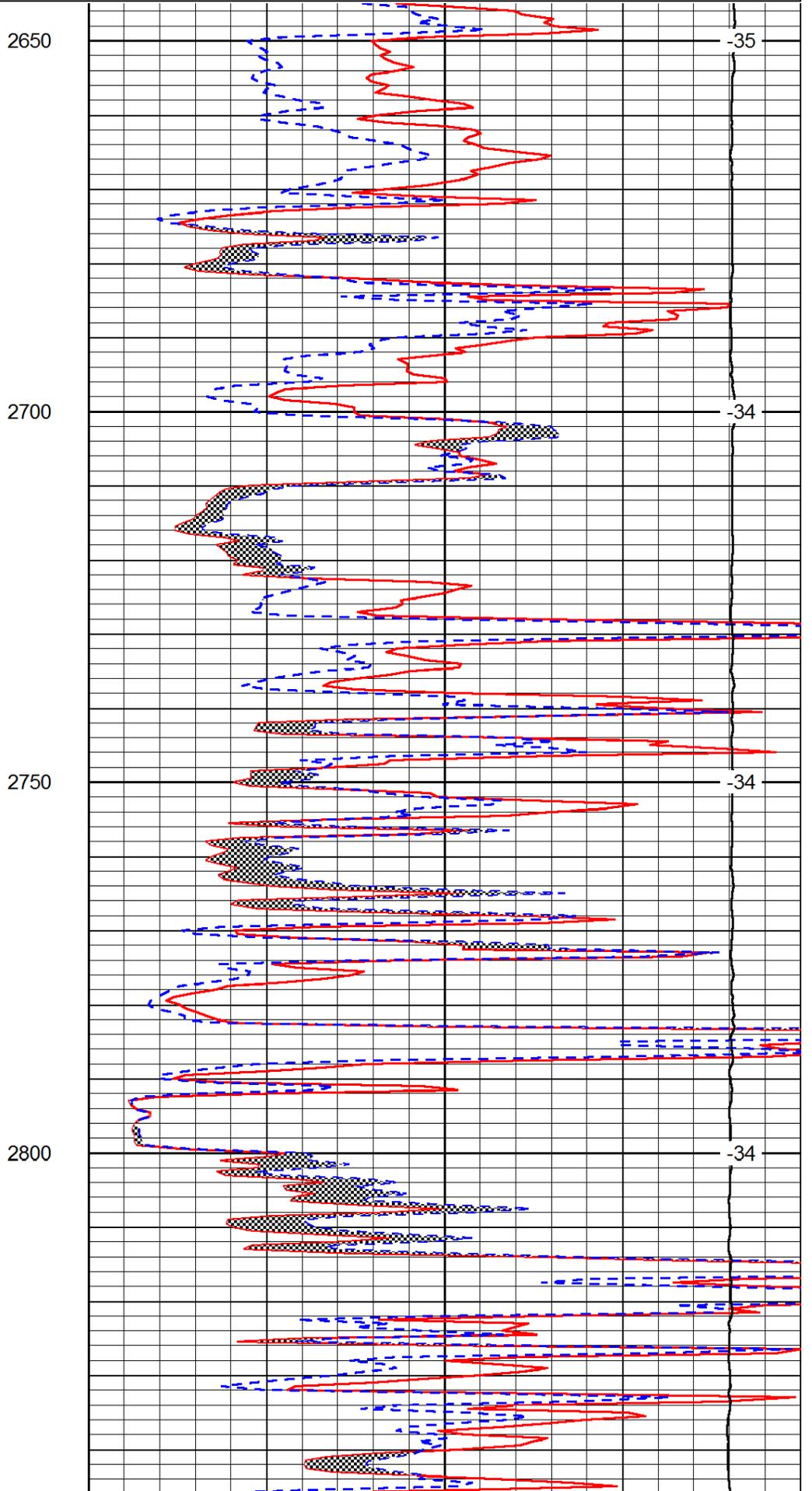
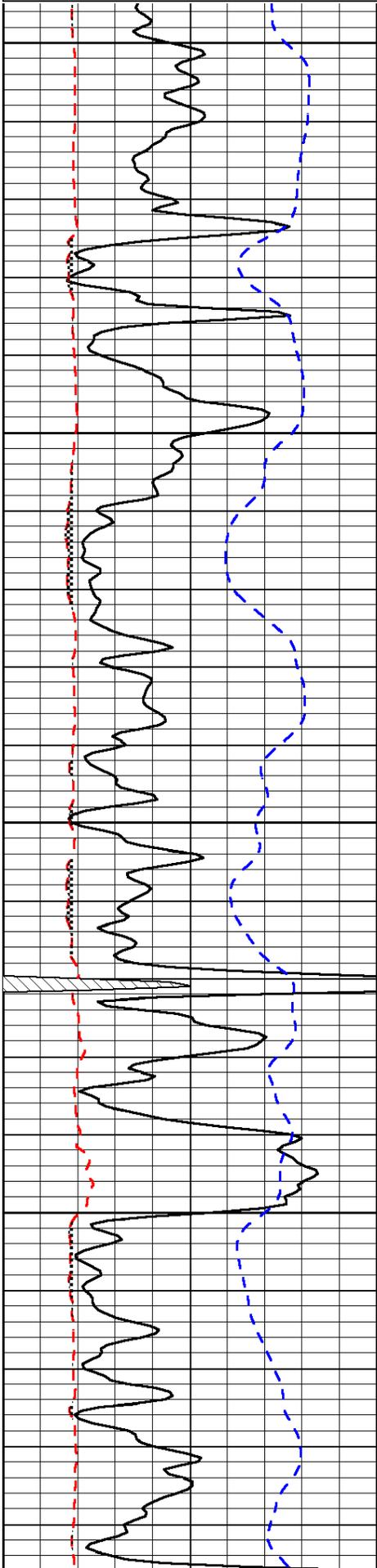
Thank you for using Pioneer Energy Services
www.pioneeres.com
 785 625 3858
 Wilson Kansas
 12 South to P Rd, 2 East, 1/2 North, West Into

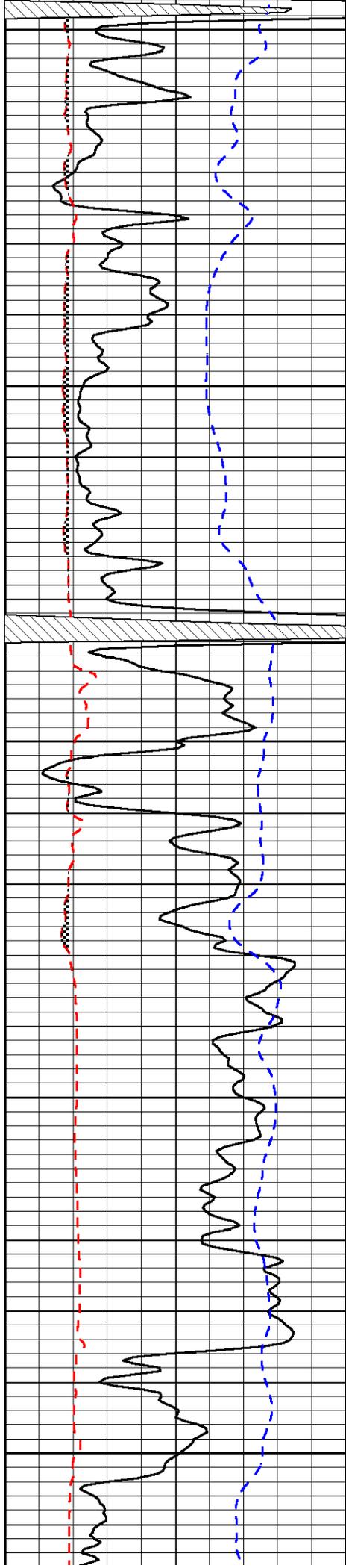
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 Dataset Pathname: DIL/birdstk
 Presentation Format: micro
 Dataset Creation: Wed Oct 29 22:28:27 2014
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
6	MCAL (GAPI)	16
-200	SP (mV)	0

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

LSPD





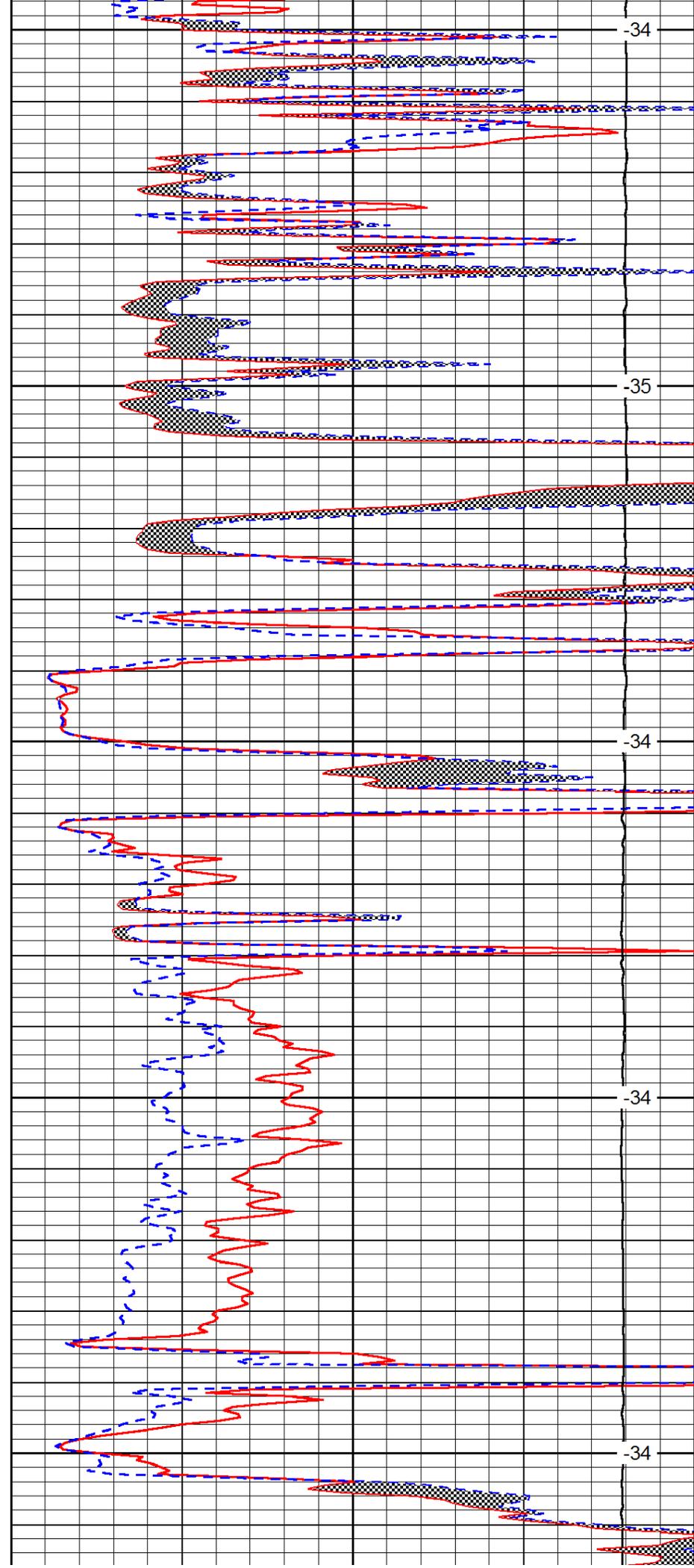
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2900

2950

3000

3050



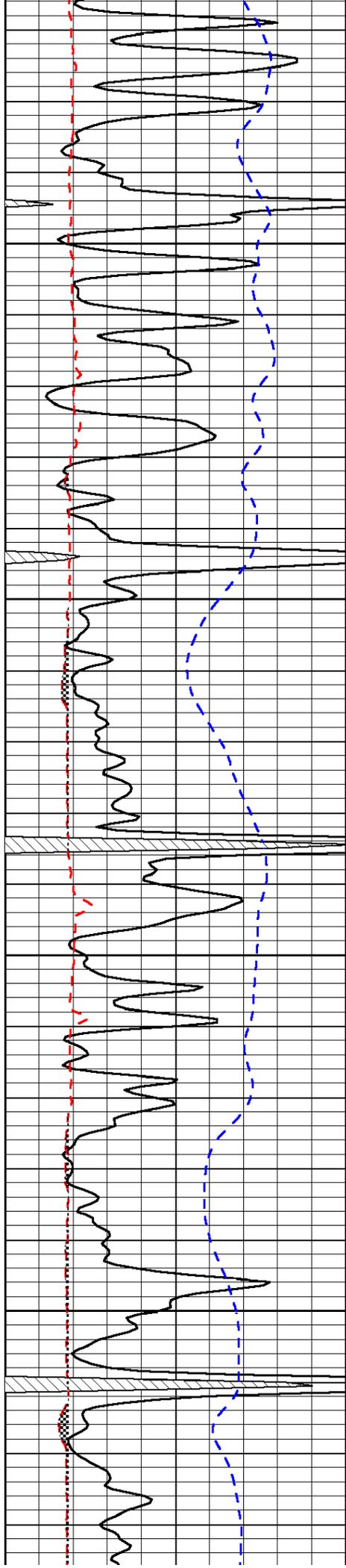
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-34

-34

-34

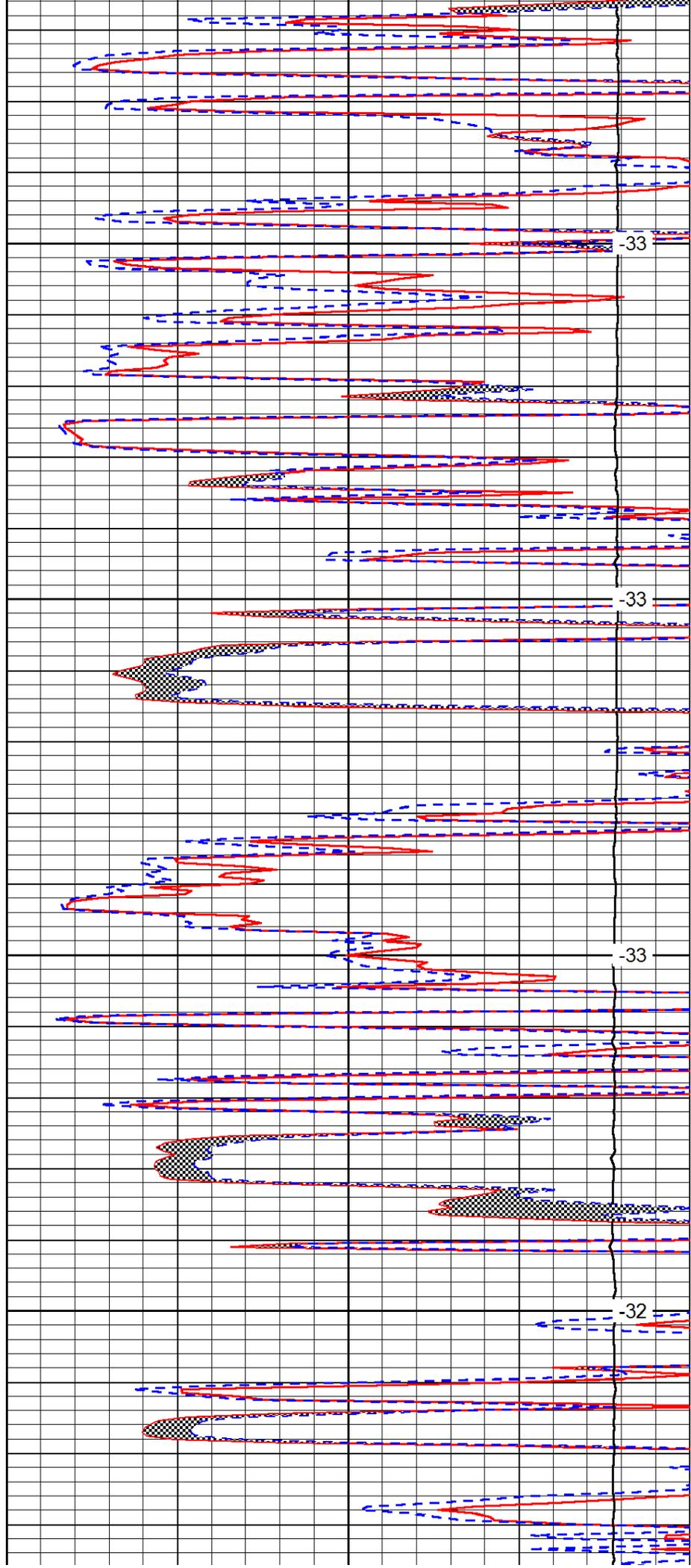


3100

3150

3200

3250

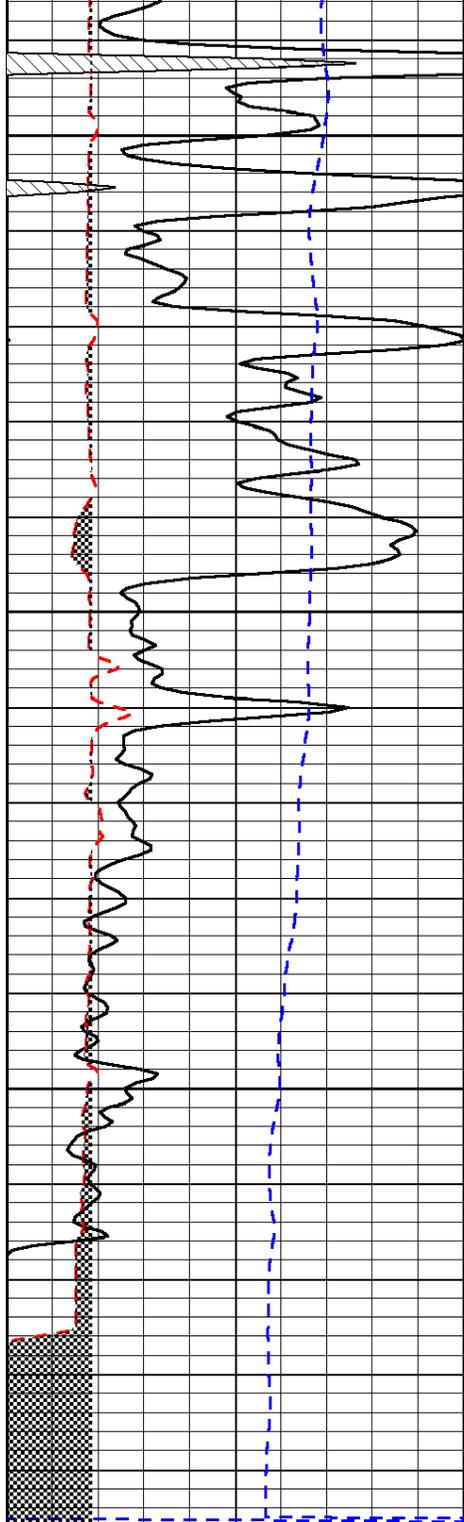


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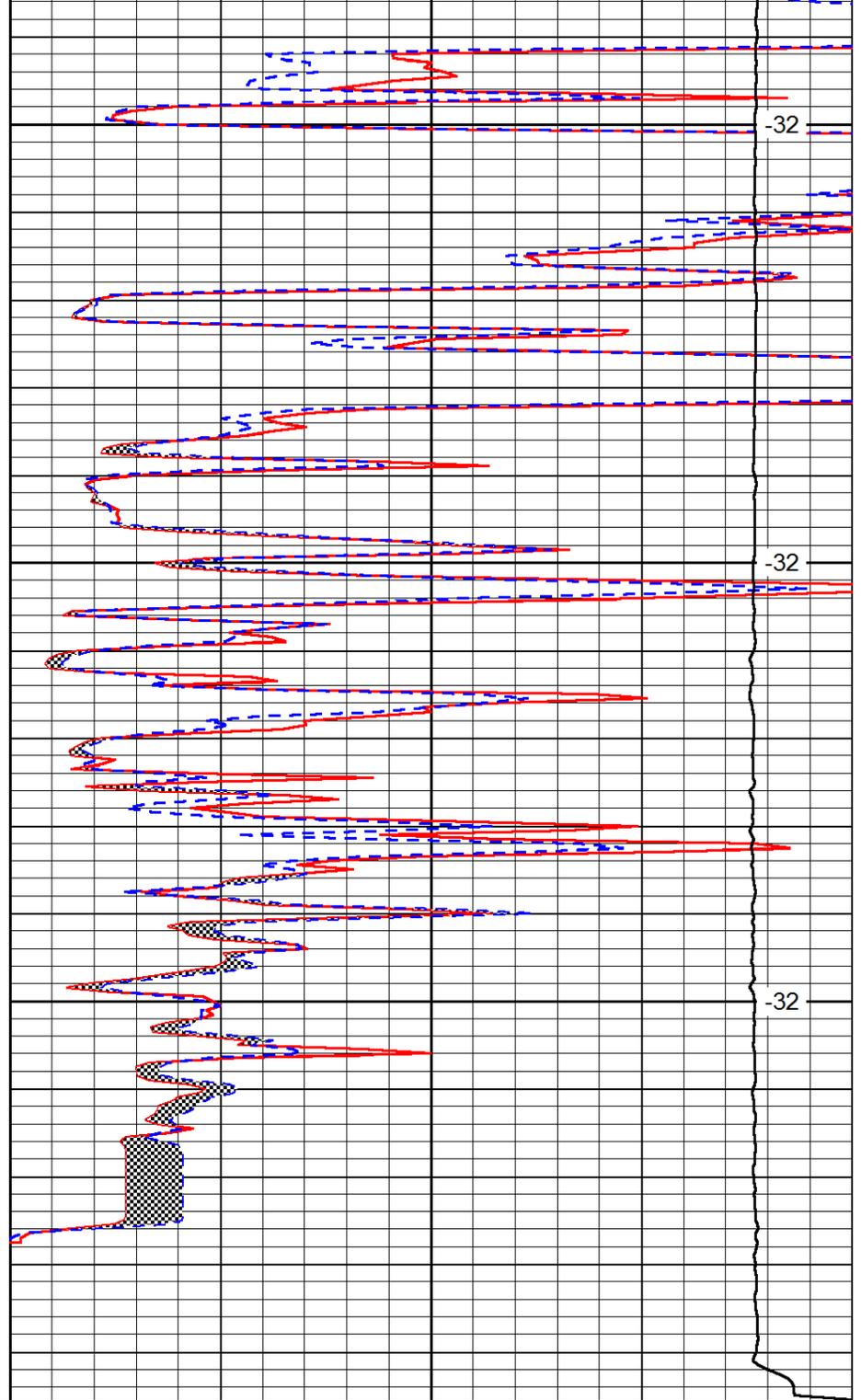


3300

3350

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