



Pioneer Energy Services

Microresistivity Log

15-065-23843-00-00

Company **H&C Oil Operating, Inc.**
 Well **Gosselin #24-1**
 Field **Mickelson Northeast**
 County **Graham** State **Kansas**
 Location **600' FSL & 330' FWL**
 Sec: **24** Twp: **8S** Rge: **22W**

Other Services
 CNL/CDL
 DIL

Elevation
 K.B. 2152
 D.F. 2147
 G.L. 2147

Date	8/17/2012
Run Number	Two
Depth Driller	3850
Depth Logger	3852
Bottom Logged Interval	3851
Top Log Interval	3050
Casing Driller	8.625 @ 232
Casing Logger	233
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	1000
Density / Viscosity	9.1 51
pH / Fluid Loss	10.0 8.0
Source of Sample	Flowline
Rm @ Meas. Temp	1.4 @ 70
Rmf @ Meas. Temp	1.05 @ 70
Rmc @ Meas. Temp	1.89 @ 70
Source of Rmf / Rmc	Charts
Rm @ BHT	0.84 @ 117
Operating Rig Time	4 Hours
Max Rec. Temp. F	117
Equipment Number	91
Location	Hays
Recorded By	D. Schmidt
Witnessed By	Clayton Erickson

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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.

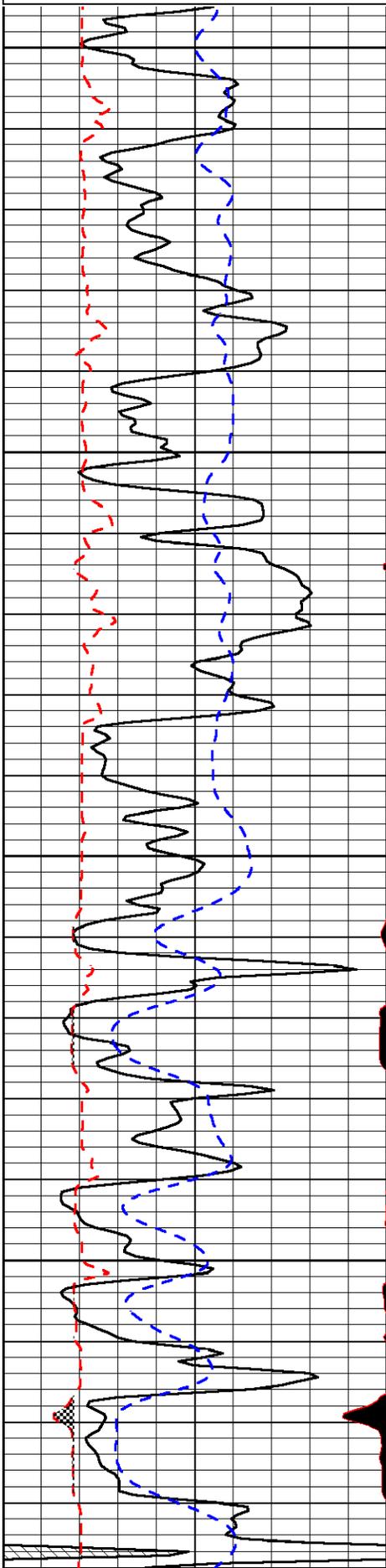
Comments

Thank you for using Pioneer Energy Services
www.pioneer.com
 785 625 3858
 Bogue (Main St. & P Terr),
 2 1/2 West, 1 1/4 South,
 E into

Database File: h&c_081712hd.db
 Dataset Pathname: dil/hcstack
 Presentation Format: micro
 Dataset Creation: Sat Aug 18 00:08:56 2012
 Charted by: Depth in Feet scaled 1:240

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

0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
15000	Line Weight (lb)	0
		LSPD (ft/min)

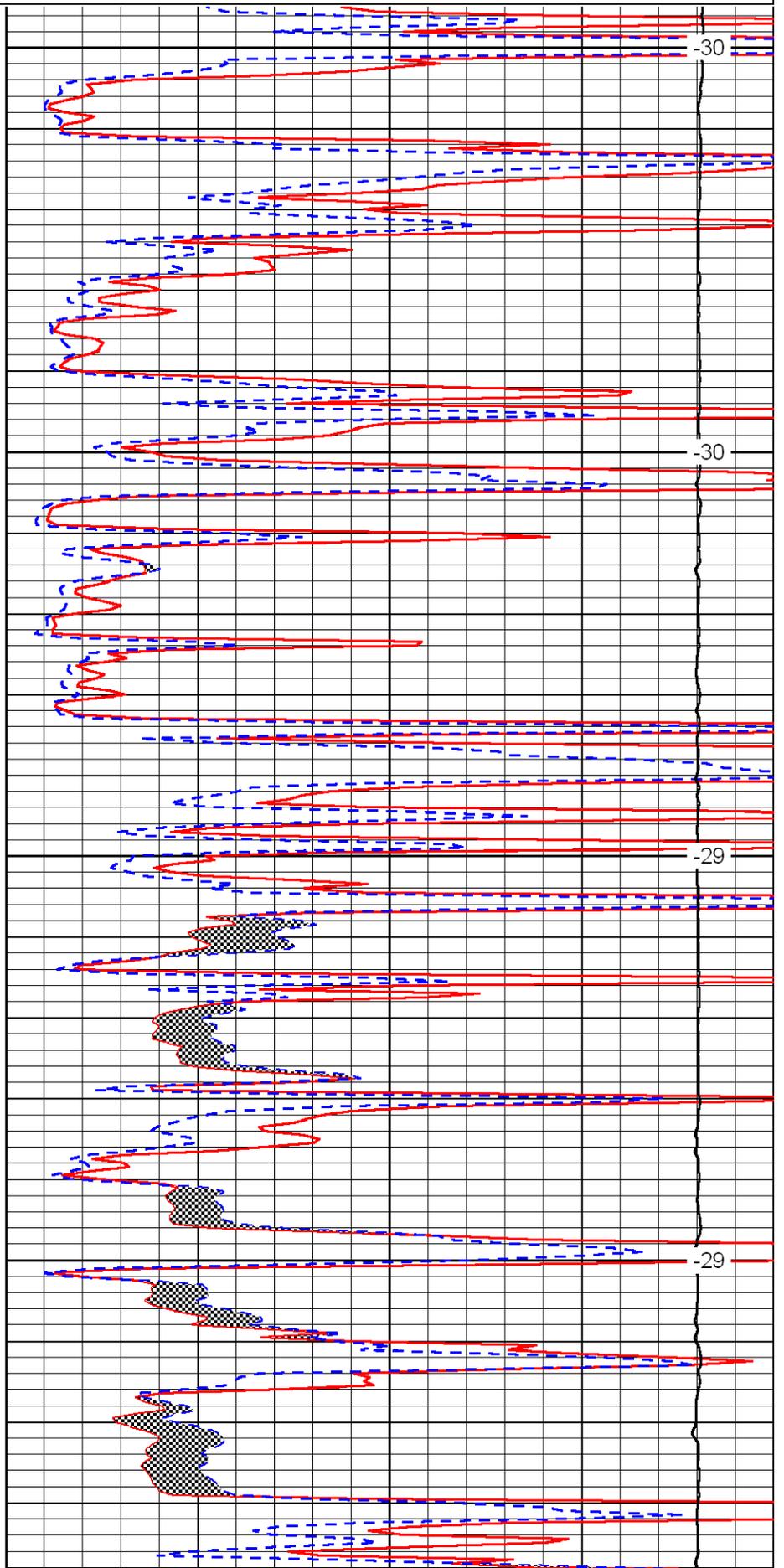


3050

3100

3150

3200

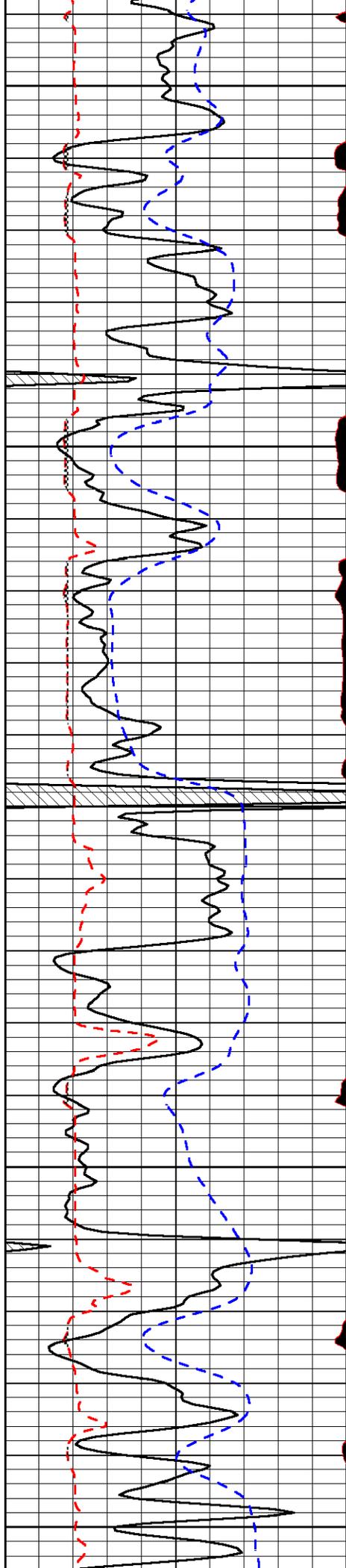


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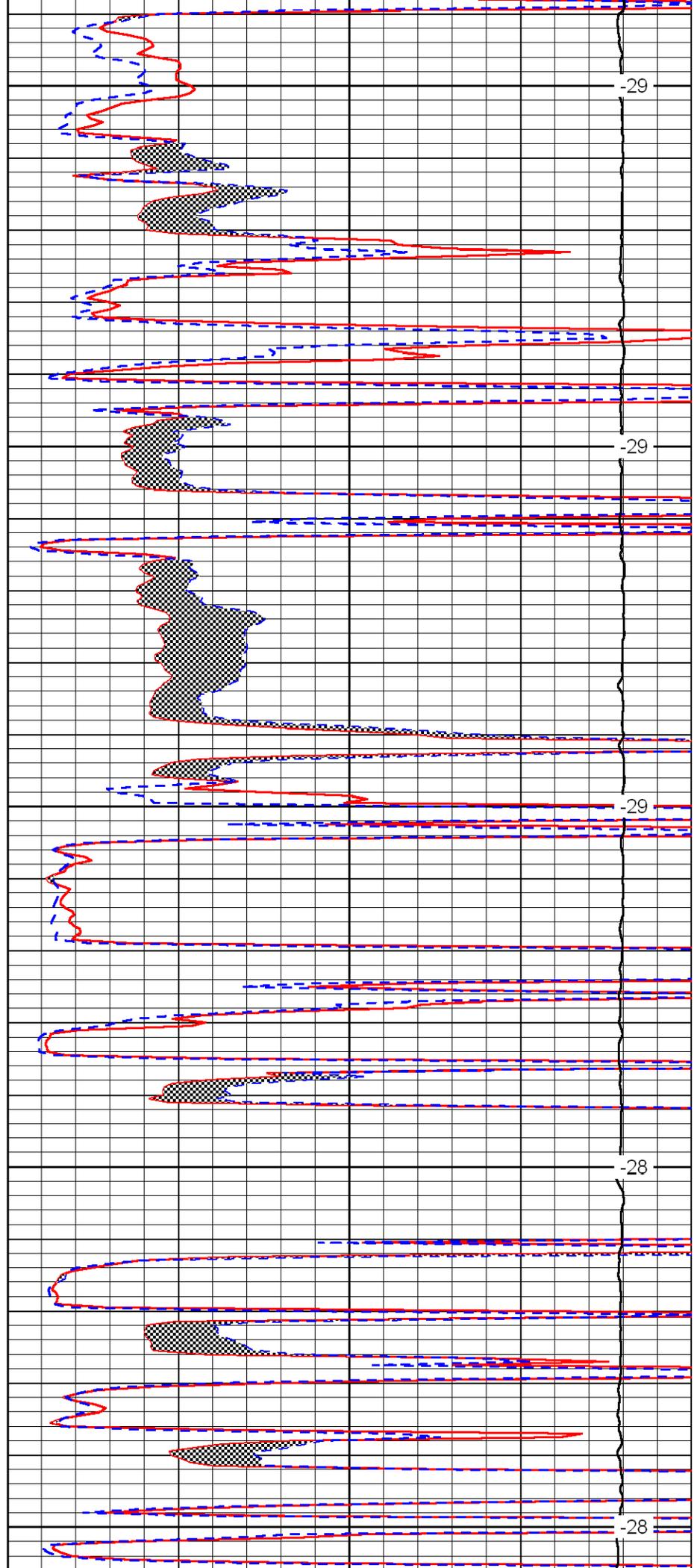
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3300

3350

3400

3450



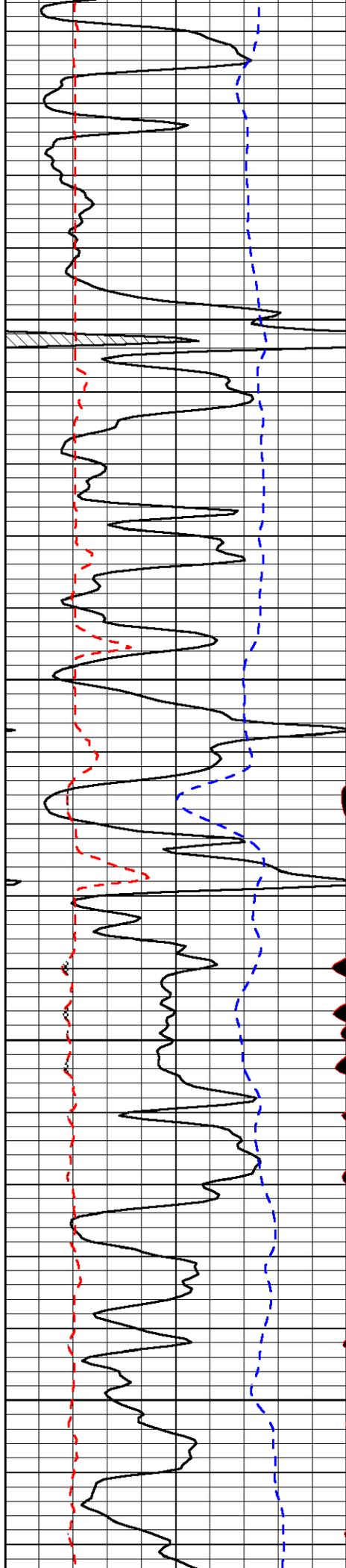
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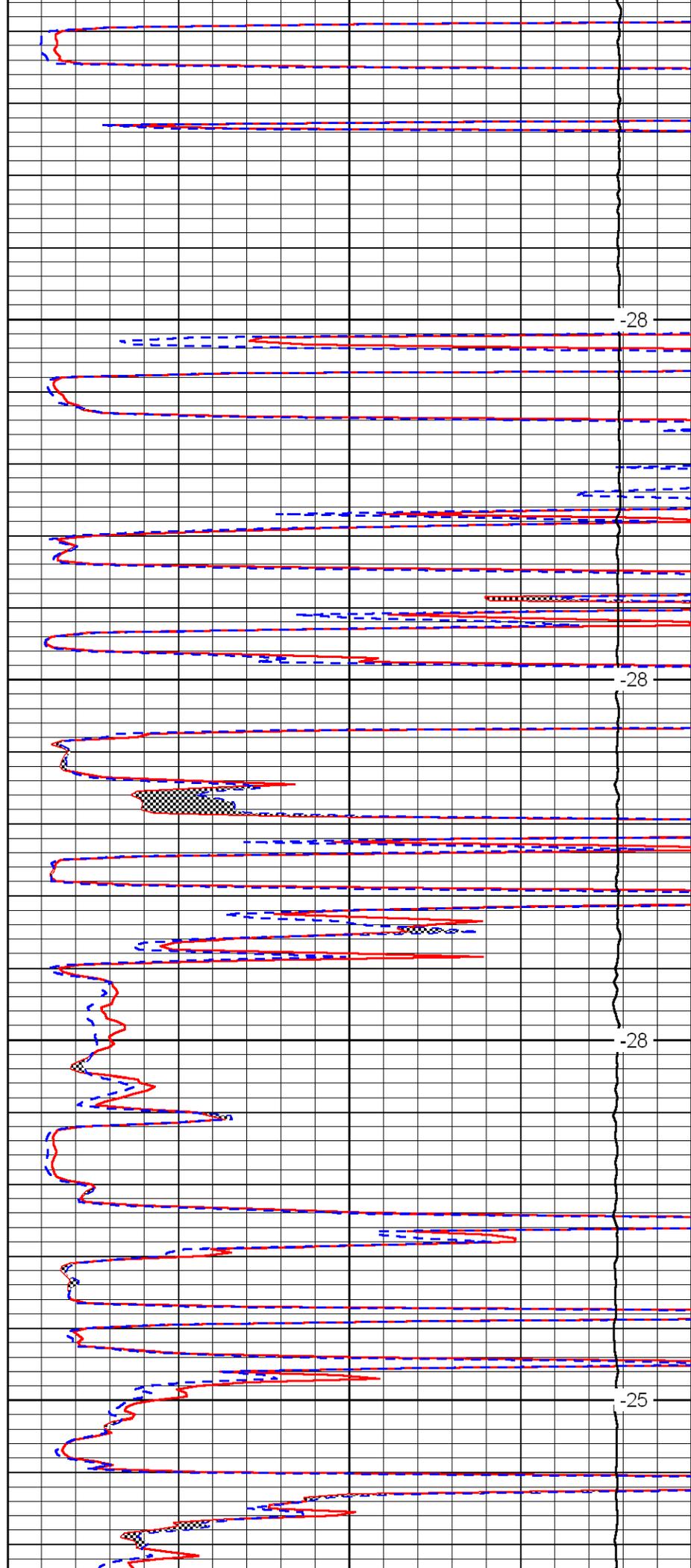


3500

3550

3600

3650

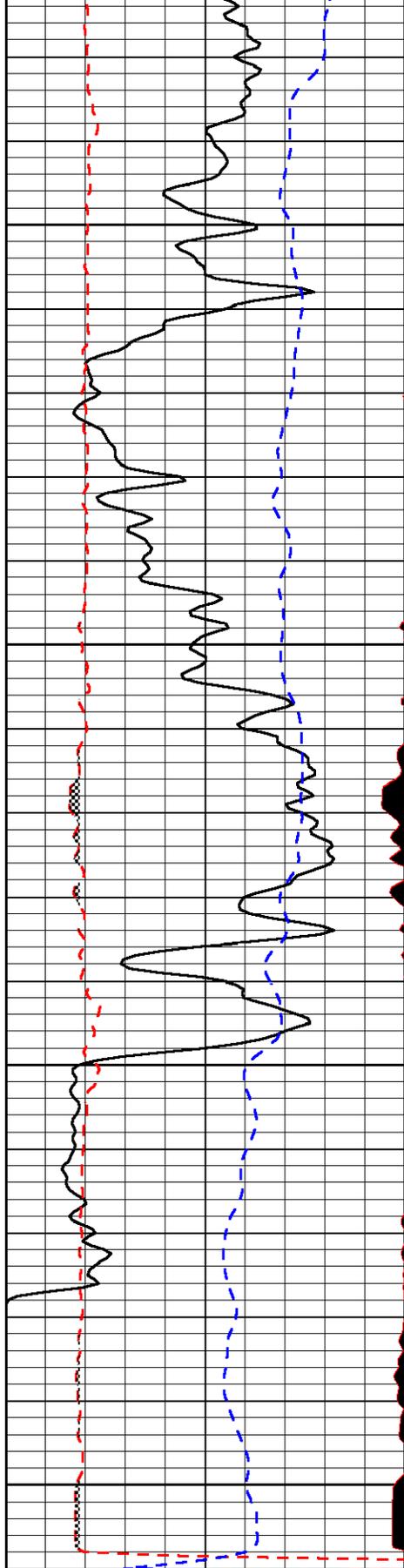


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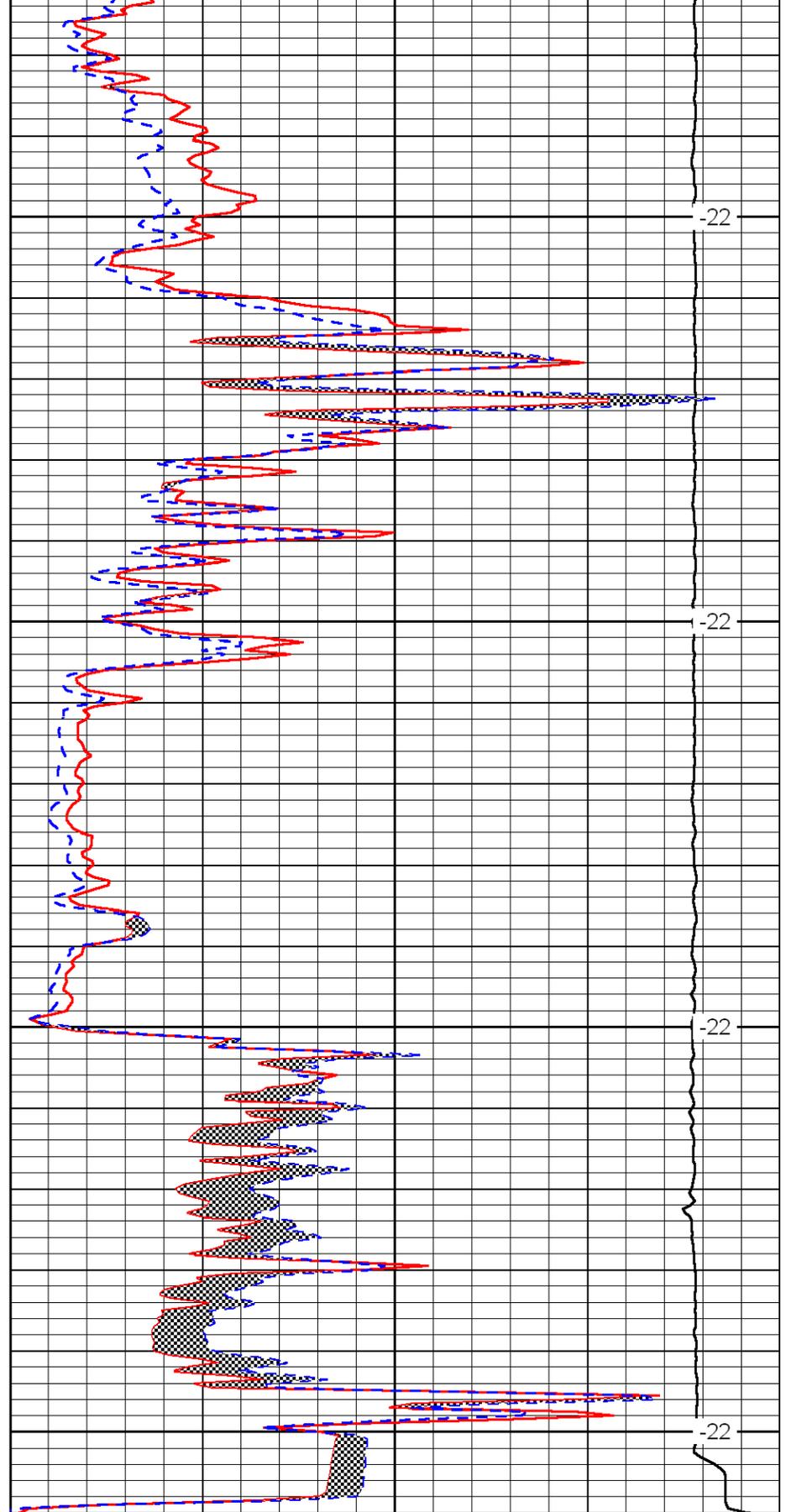


3700

3750

3800

3850



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-22

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