



Microresistivity Log

Pioneer Energy Services

API No.

15-051-26635-00-00

Company Prospect Oil & Gas Corp

Well Froelich D #2

Field Emmeram NE

County Ellis State

Kansas

Location 330' FSL & 1537' FWL

Sec: 22 Twp: 12S Rge: 16W

Other Services
CNL/CDL
DIL

Permanent Datum Ground Level Elevation 2030
Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date 11/20/2013

Run Number Two

Depth Driller 3508

Depth Logger 3509

Bottom Logged Interval 3508

Top Log Interval 2800

Casing Driller 8.625 @ 218

Casing Logger 219

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity,ppm CL 3900

Density / Viscosity 9.2 49

pH / Fluid Loss 10.0 6.0

Source of Sample Flowline

Rm @ Meas. Temp 0.42 @ 60

Rmf @ Meas. Temp 0.37 @ 60

Rmc @ Meas. Temp 0.57 @ 60

Source of Rmf / Rmc Charts

Rm @ BHT 0.22 @ 113

Operating Rig Time 3 1/2 Hours

Max Rec. Temp. F 113

Equipment Number 91

Location Hays

Recorded By D. Schmidt

Witnessed By Brad Hutchison

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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 Log-Tech, Inc.
(785) 625-3858

Walker,
North to the T, 1 West to 370th, 2 North,
East into

Database File: prospect_112013hd.db

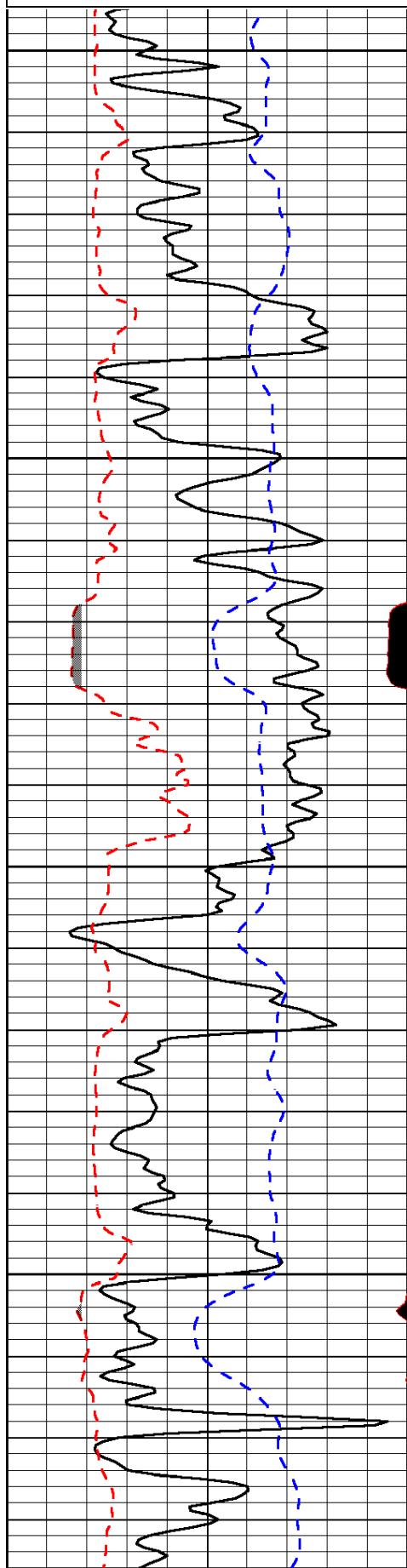
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Presentation Format: micro

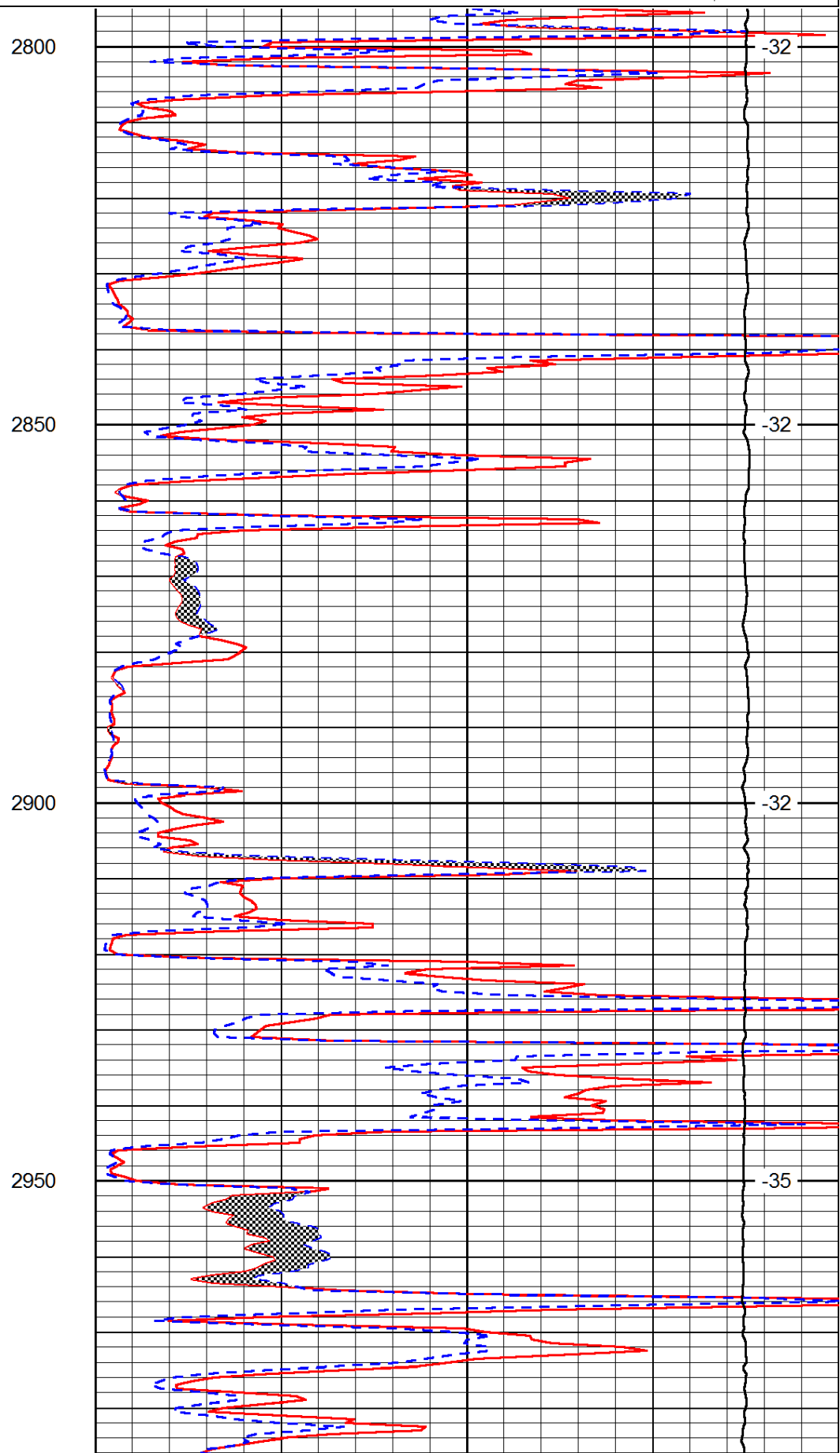
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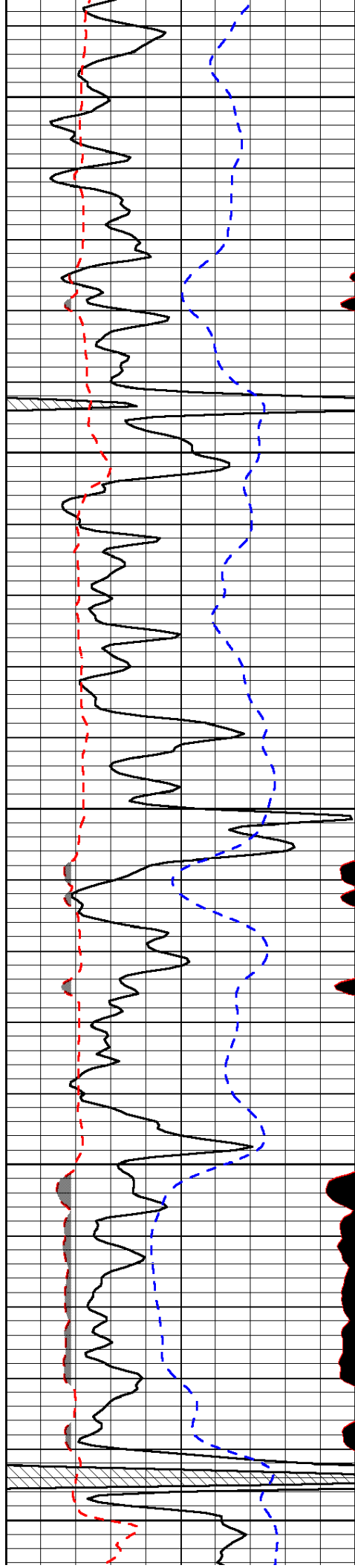
Charted by: Depth in Feet scaled 1:240

Charted by: Depth in Feet scaled 1:210		
0	Gamma Ray (GAPI)	150
6	MCAL (in)	16
2.875	Mud Cake (in)	7.875
-200	SP (mV)	0



0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0
		LSPD (ft/min)





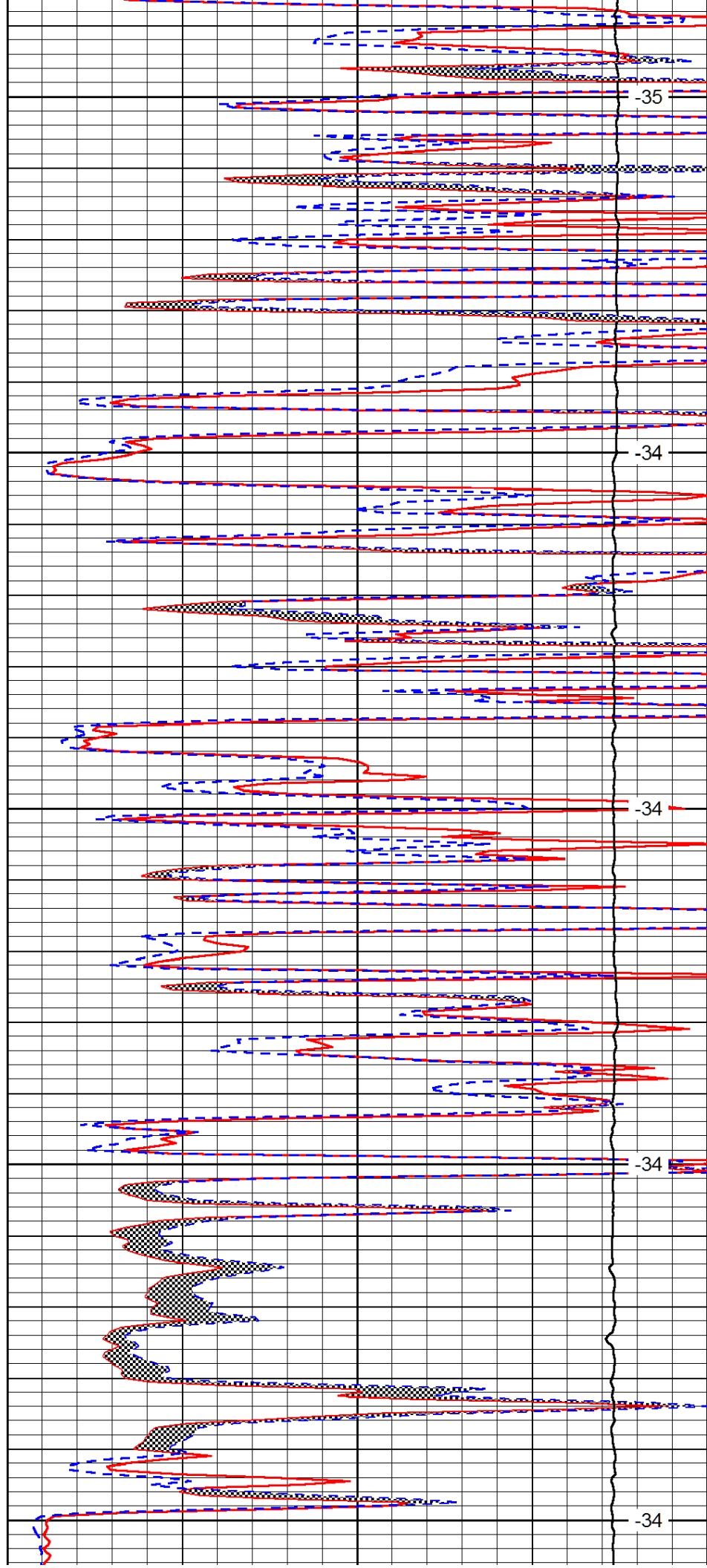
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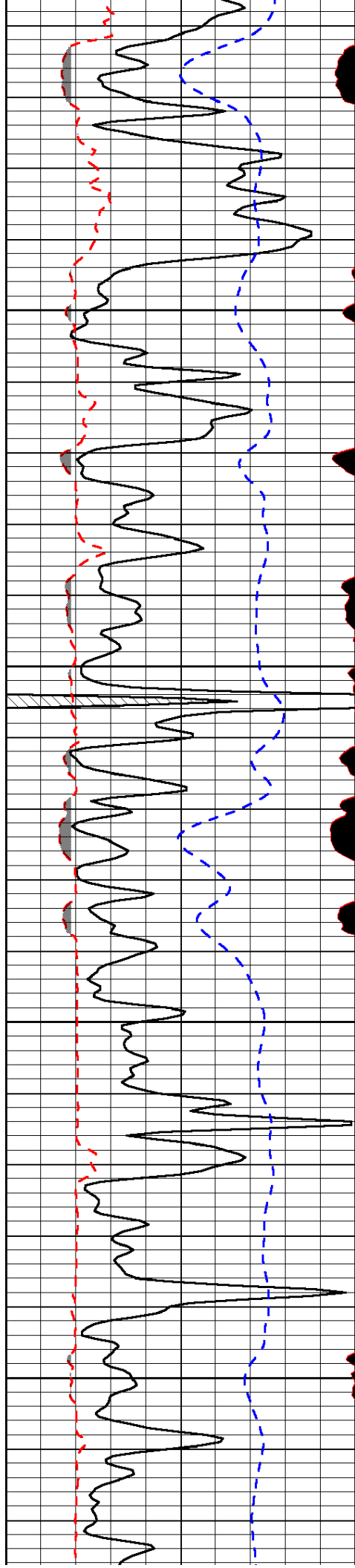
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3100

3150

3200



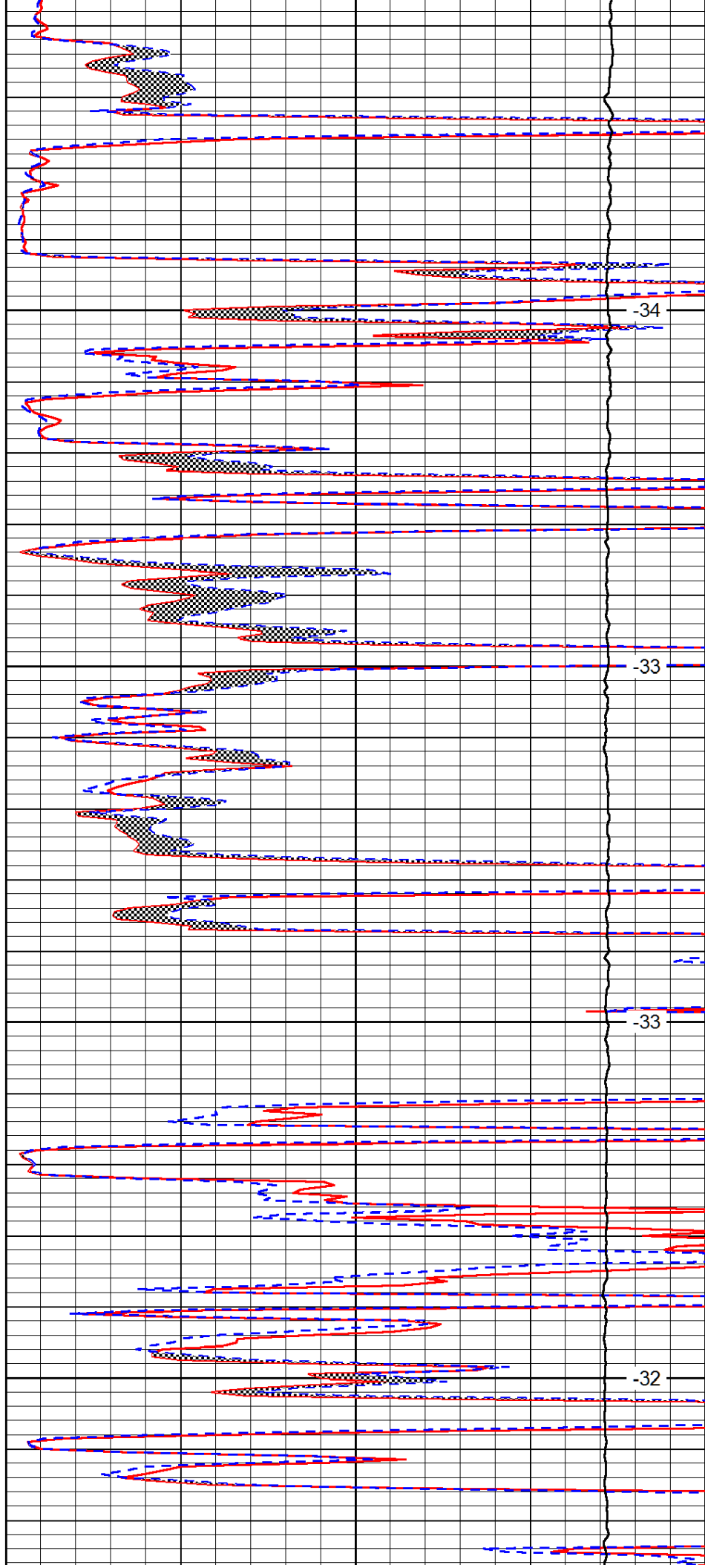


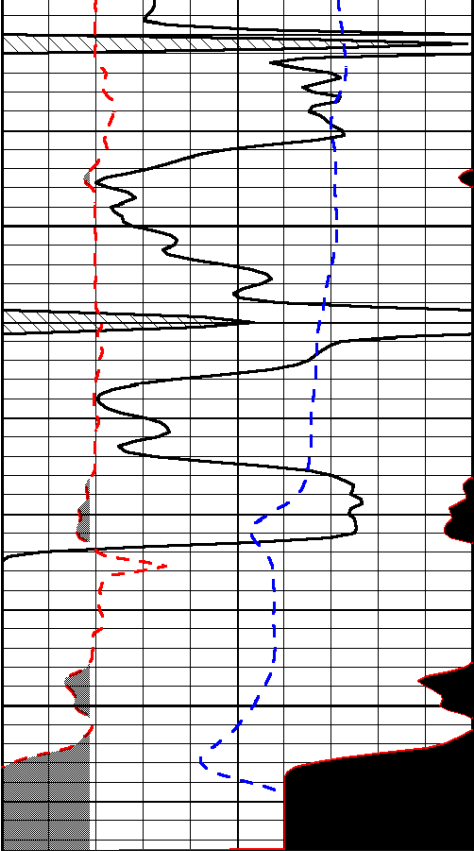
3250

3300

3350

3400

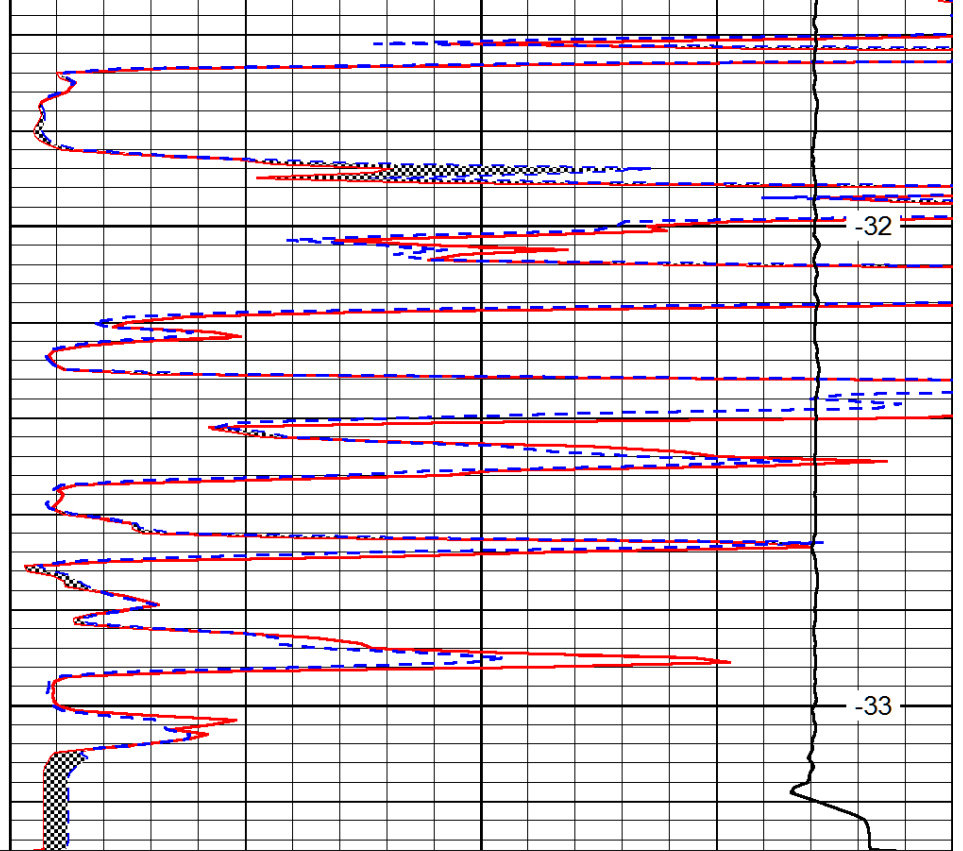




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