



Microresistivity Log

Pioneer Energy Services

API No.

15-135-25,559-00-00

Company Trans Pacific Oil Corporation
Well Rufenacht 'A' Unit No. 1-32
Field Keilman Southeast
County Ness State Kansas

Location W2-SW-SW-SW
330' FSL & 111' FEL

Sec: 32 Twp: 17S Rge: 24W

Other Services
CNL/CDL
DIL
Elevation
K.B. 2373
D.F.
G.L. 2364

Permanent Datum Ground Level Elevation 2364
Log Measured From Kelly Bushing 9 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date 3/28/2013

Run Number Two

Depth Driller 4470

Depth Logger 4471

Bottom Logged Interval 4470

Top Log Interval 3600

Casing Driller 8.625 @ 225

Casing Logger 220

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 6,400

Density / Viscosity 9.4 70

pH / Fluid Loss 10.0 8.4

Source of Sample Flowline

Rm @ Meas. Temp .70 @ 60

Rmf @ Meas. Temp .53 @ 60

Rmc @ Meas. Temp .95 @ 60

Source of Rmf / Rmc Charts

Rm @ BHT .35 @ 121

Operating Rig Time 4 Hours

Max Rec. Temp. F 121

Equipment Number 15

Location Hays

Recorded By J. Henrickson

Witnessed By Beth Isern

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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.

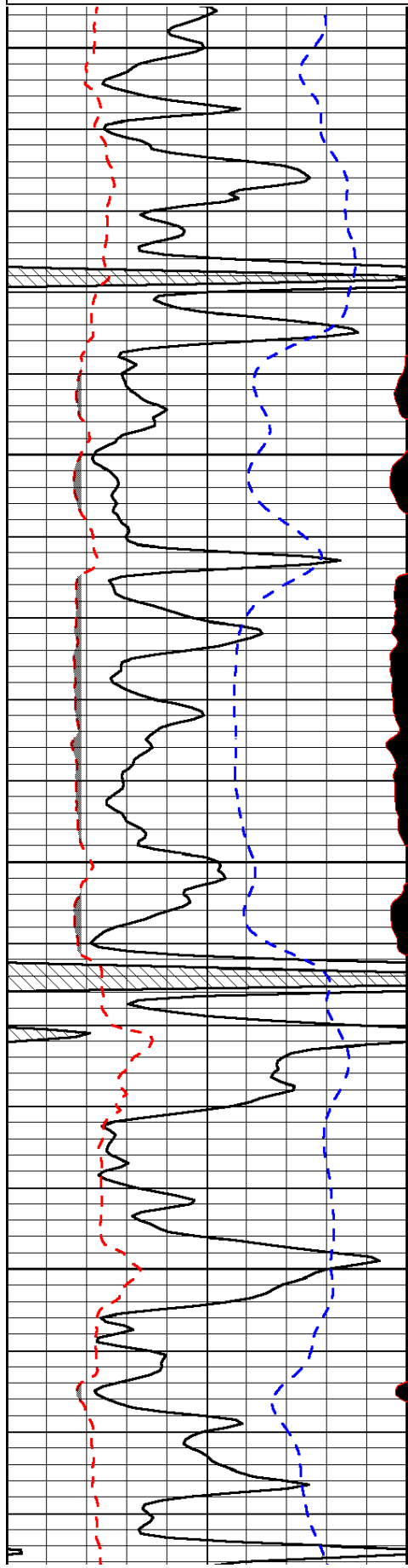
Comments

Thank you for using Log-Tech, Inc.
(785) 625-3858

Ness City KS
4 W, 5 N, 1 W, N into

Database File: transpac_rufenacht_a_1_32hd.db
Dataset Pathname: DIL/transstk
Presentation Format: micro
Dataset Creation: Thu Mar 28 19:47:34 2013
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



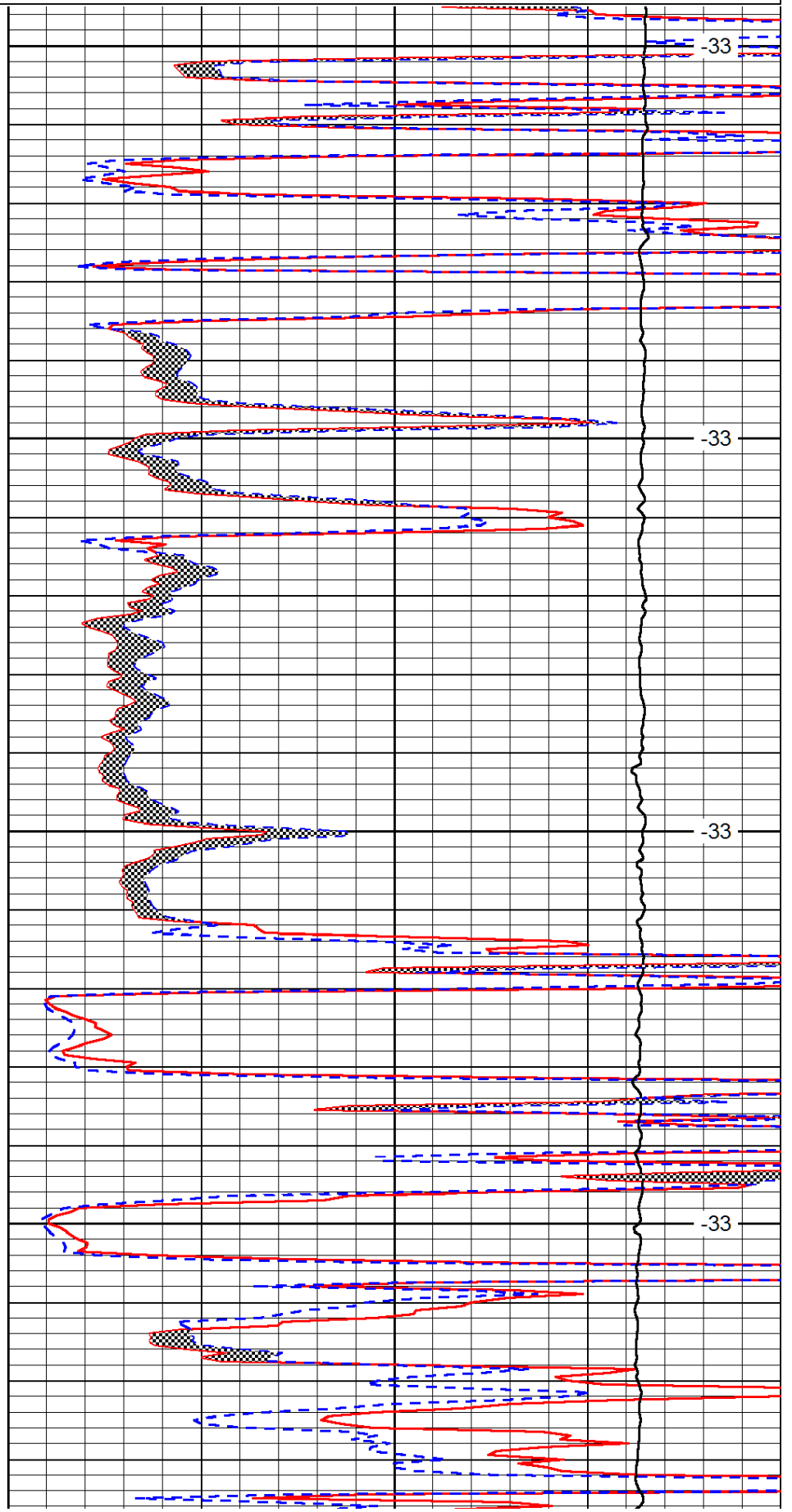
3600

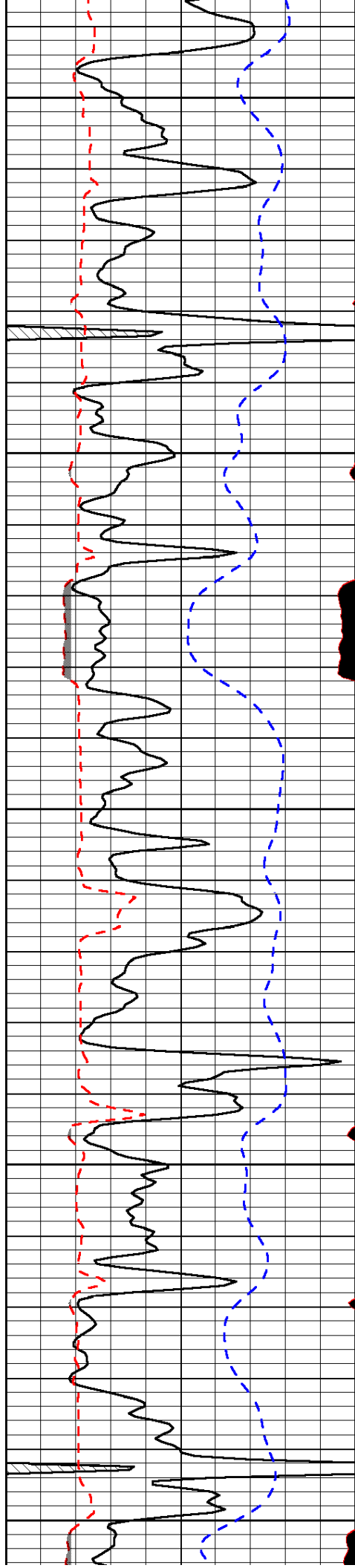
3650

3700

3750

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





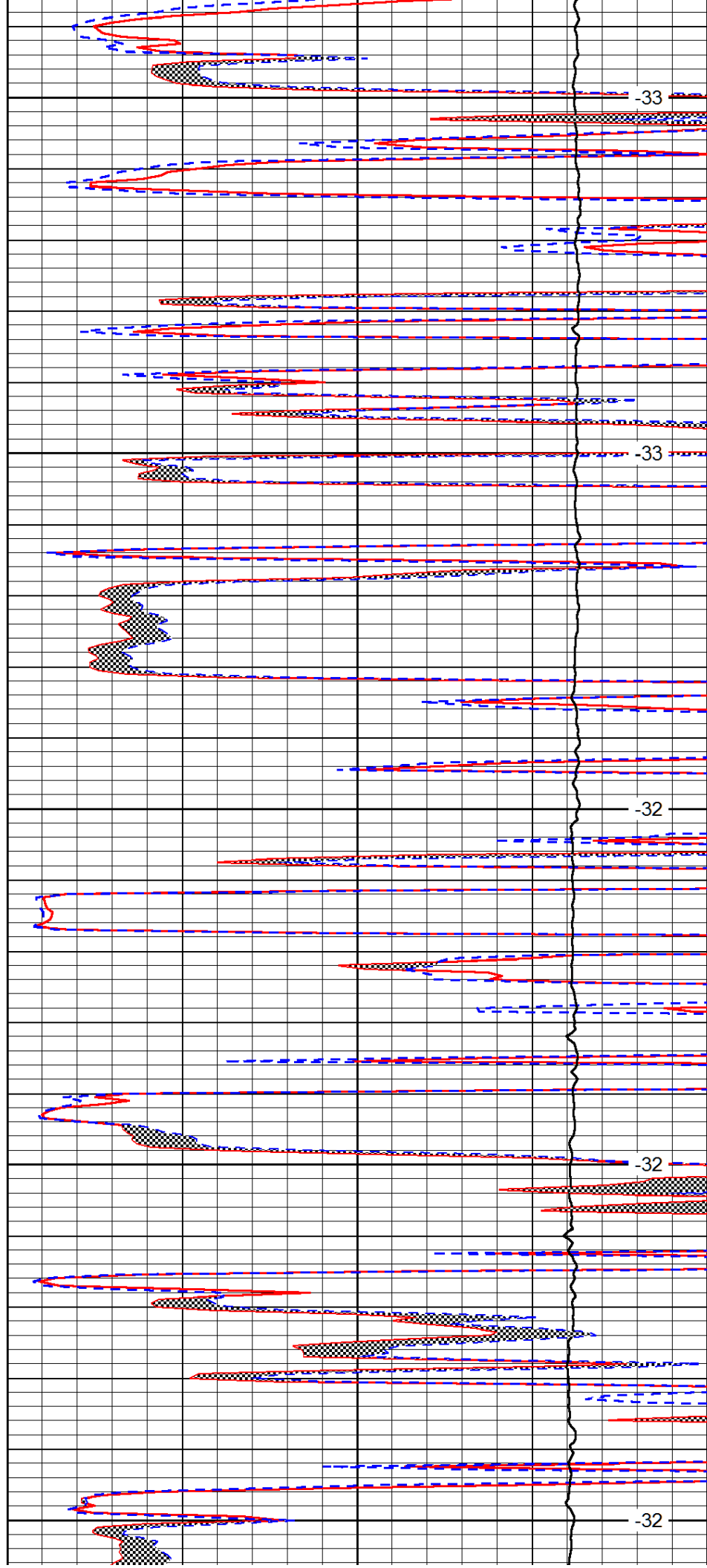
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3900

3950

4000



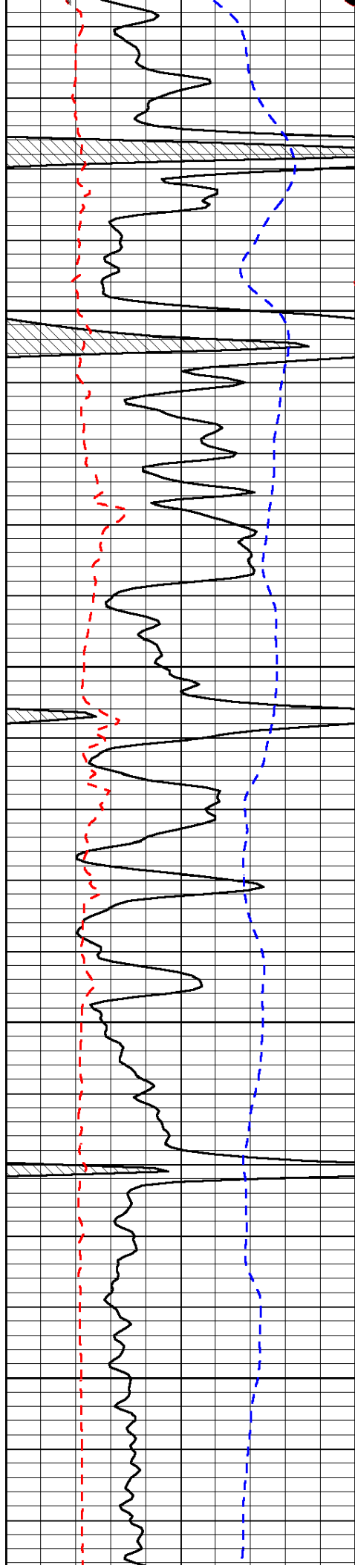
-33

-33

-32

-32

-32

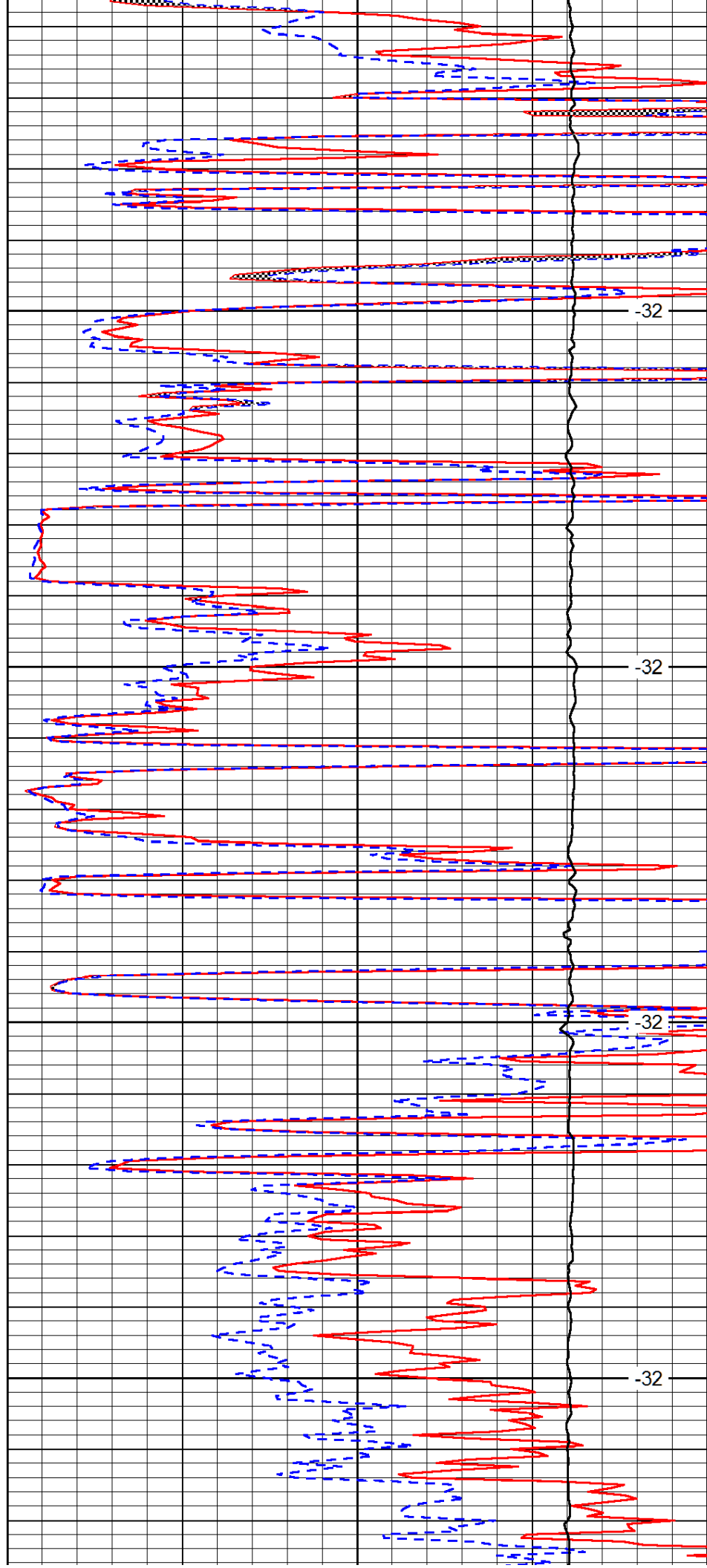


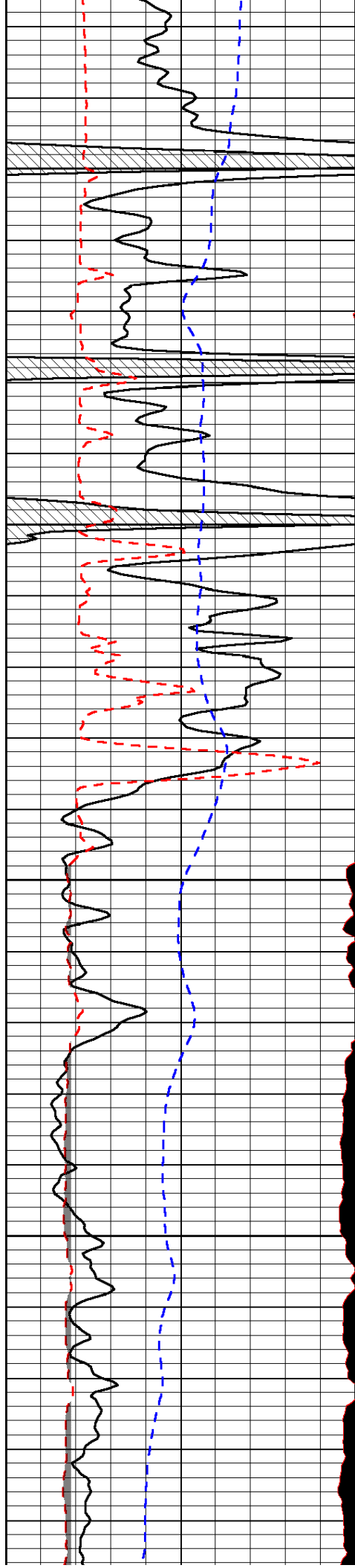
4050

4100

4150

4200



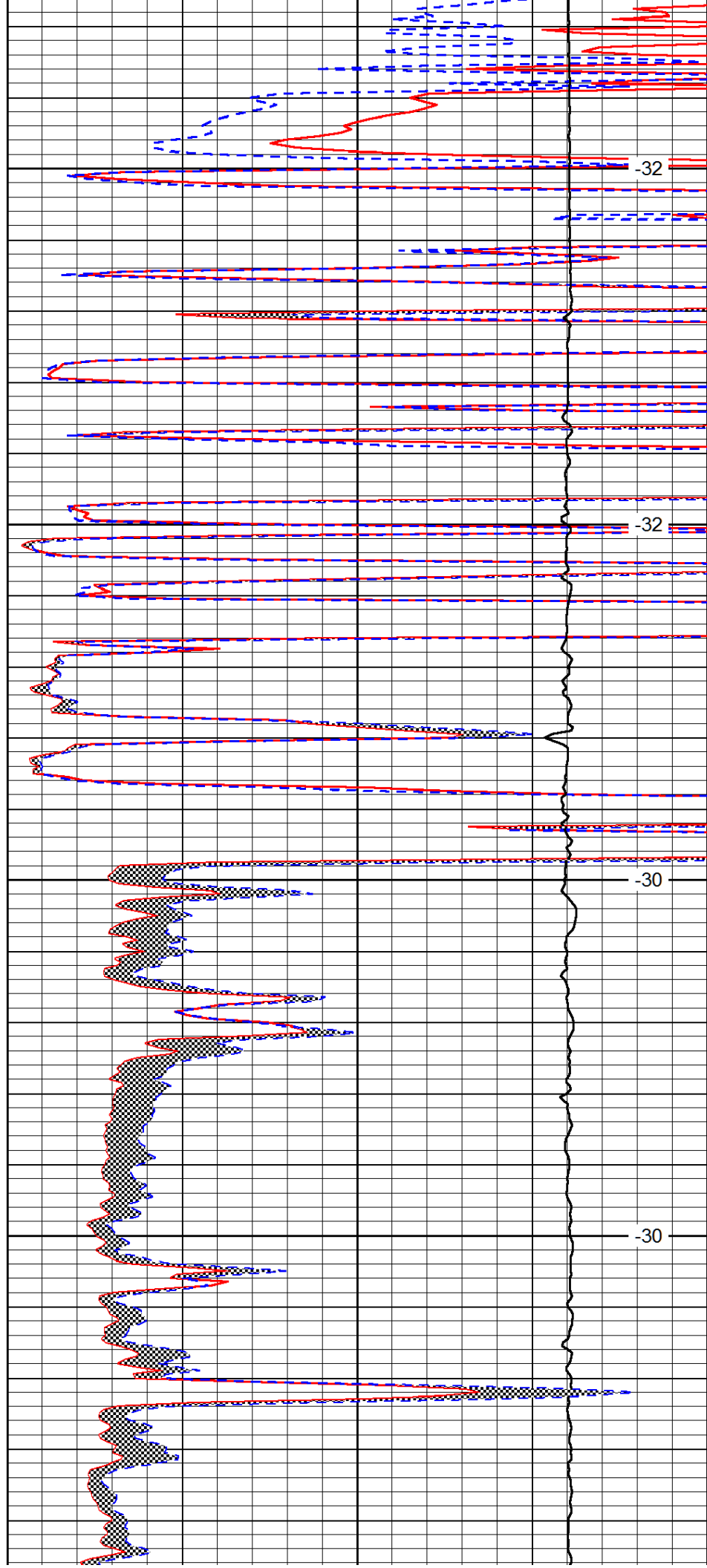


4250

4300

4350

4400



-32

-32

-30

-30

