



Microresistivity Log

Pioneer Energy Services

API No.

15-101-22,554-00-00

Company Larson Engineering, Inc.

Well Paris-Hineman #2-7

Field Wildcat

County Lane State Kansas

Location

128' FNL & 2010' FWL

Sec: 7

Twp: 19S

Rge: 28W

Elevation

K.B. 2791
D.F.
G.L. 2782

Permanent Datum Ground Level Elevation 2782
Log Measured From Kelly Bushing 9 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date 1/11/2015

Run Number Two

Depth Driller 4455

Depth Logger 4455

Bottom Logged Interval 4454

Top Log Interval 3600

Casing Driller 8.625 @ 256

Casing Logger 260

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 3.100

Density / Viscosity 9.3 58

pH / Fluid Loss 10.0 6.8

Source of Sample Flowline

Rm @ Meas. Temp .6 @ 45

Rmf @ Meas. Temp .45 @ 45

Rmc @ Meas. Temp .81 @ 45

Source of Rmf / Rmc Charts

Rm @ BHT .22 @ 121

Operating Rig Time 4 Hours

Max Rec. Temp. F 121

Equipment Number 51

Location Hays

Recorded By C. Desaire

Witnessed By Vern Schrag

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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.

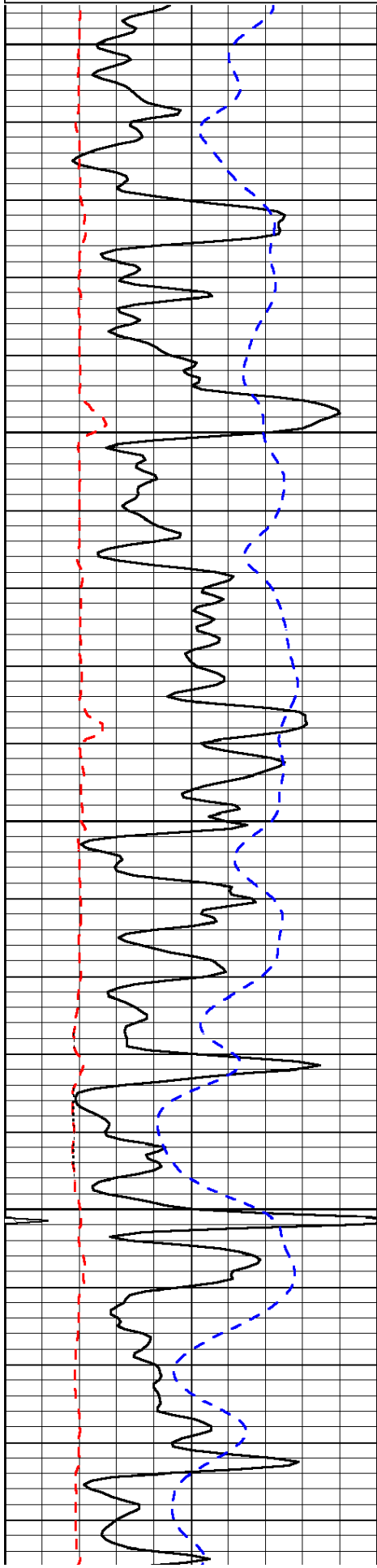
Comments

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

Dighton KS,
4 S, E Into

Database File: c:\warrior\data\larson_paris-hineman #2-7\larhd.db
Dataset Pathname: dil\larstk
Presentation Format: micro
Dataset Creation: Sun Jan 11 01:43:35 2015
Charted by: Depth in Feet scaled 1:240

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



3600

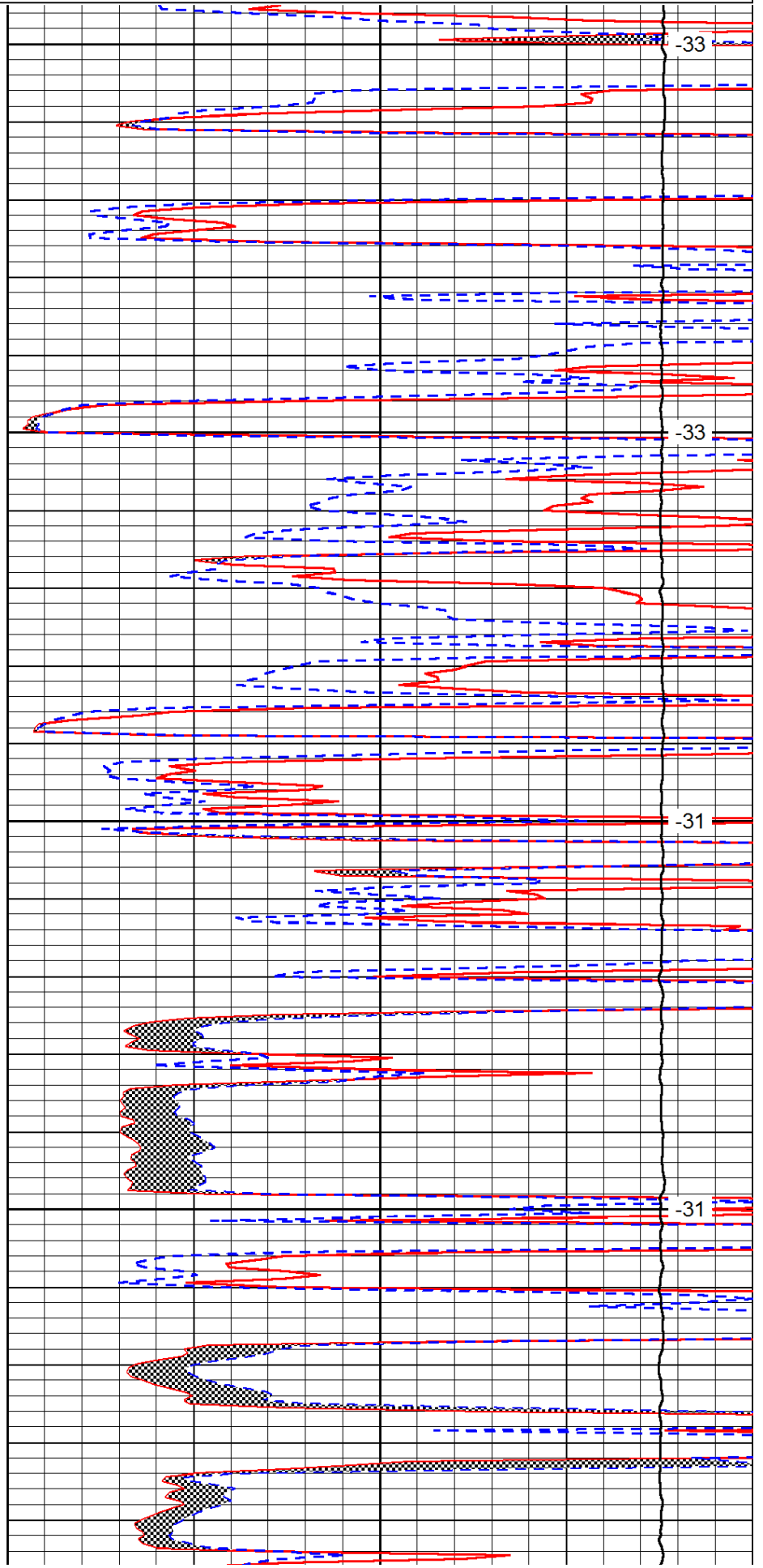
3650

3700

3750

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

LSPD

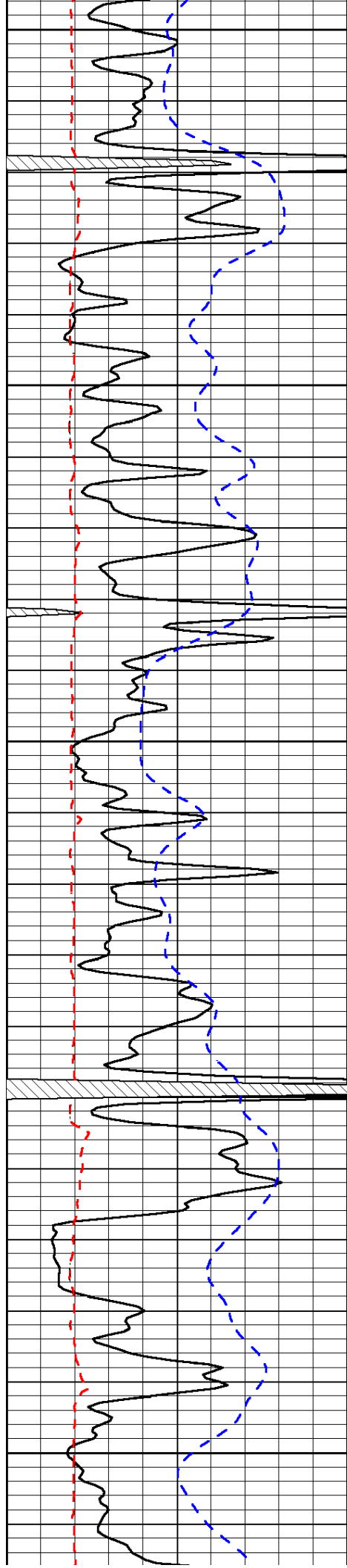


-33

-33

-31

-31



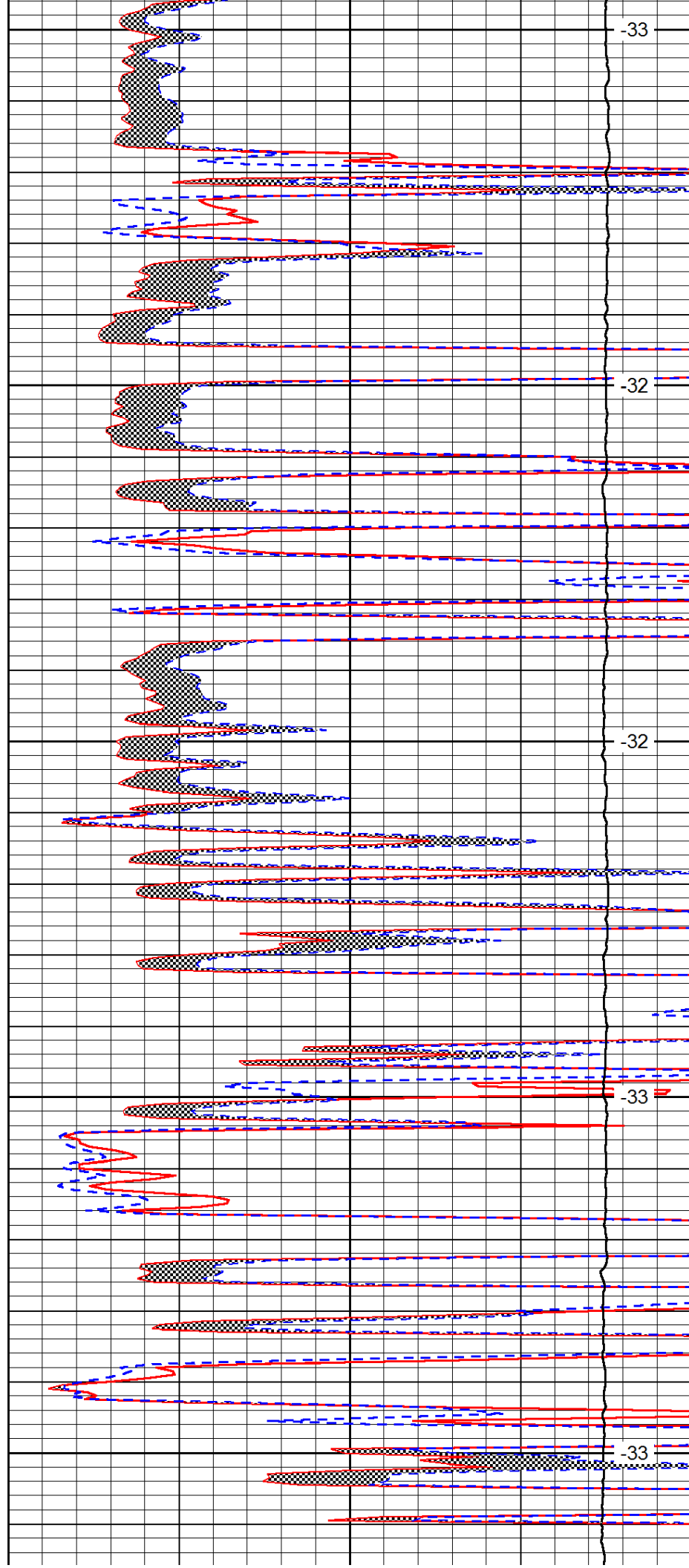
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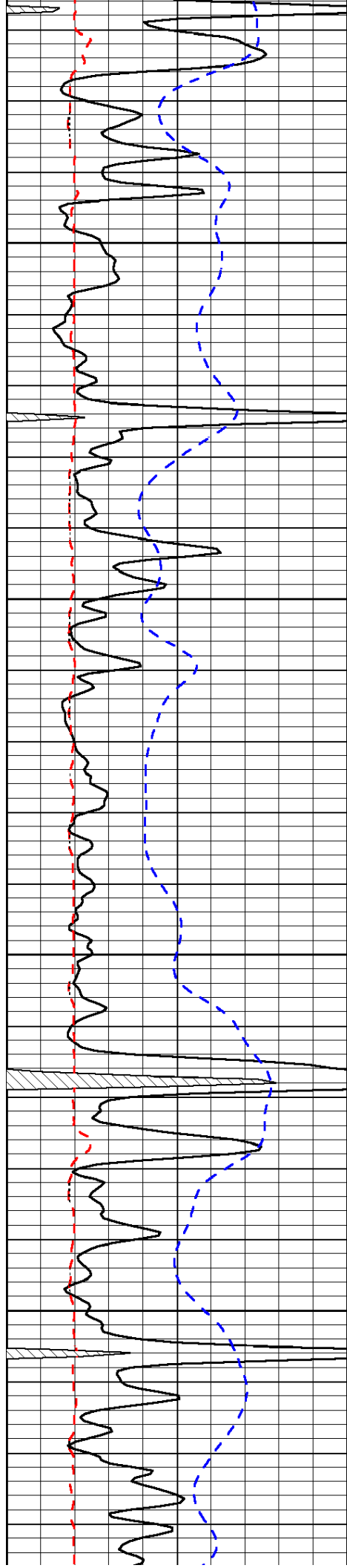
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3900

3950

4000



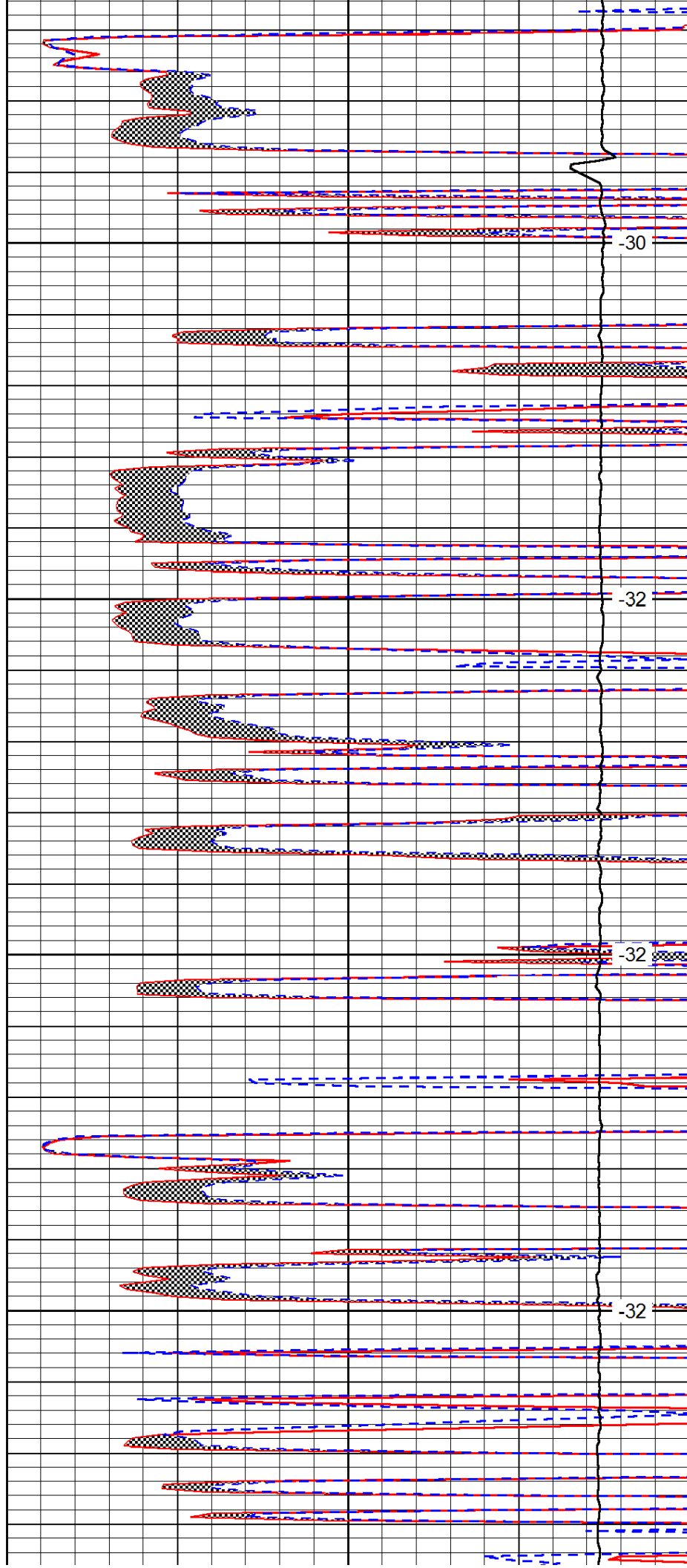


4050

4100

4150

4200

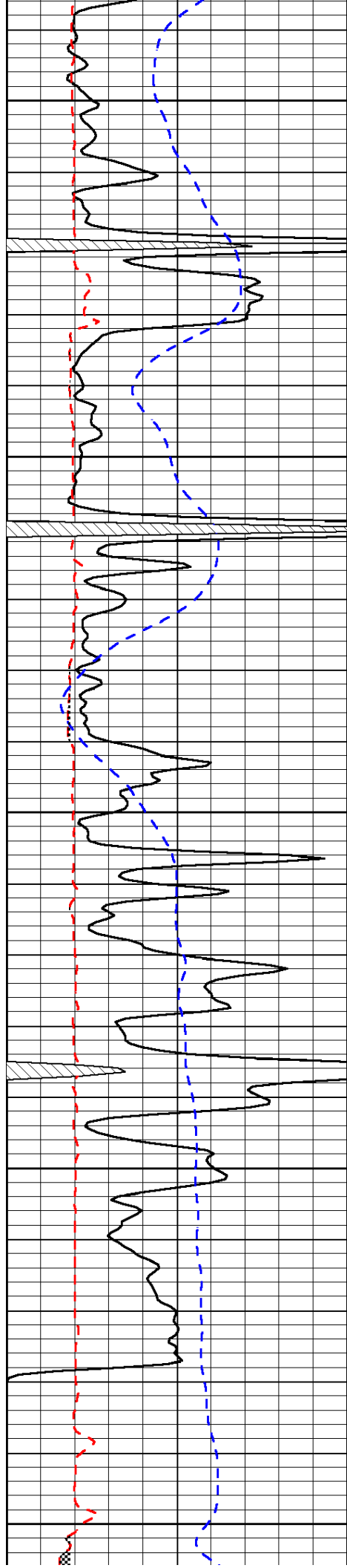


-30

-32

-32

-32



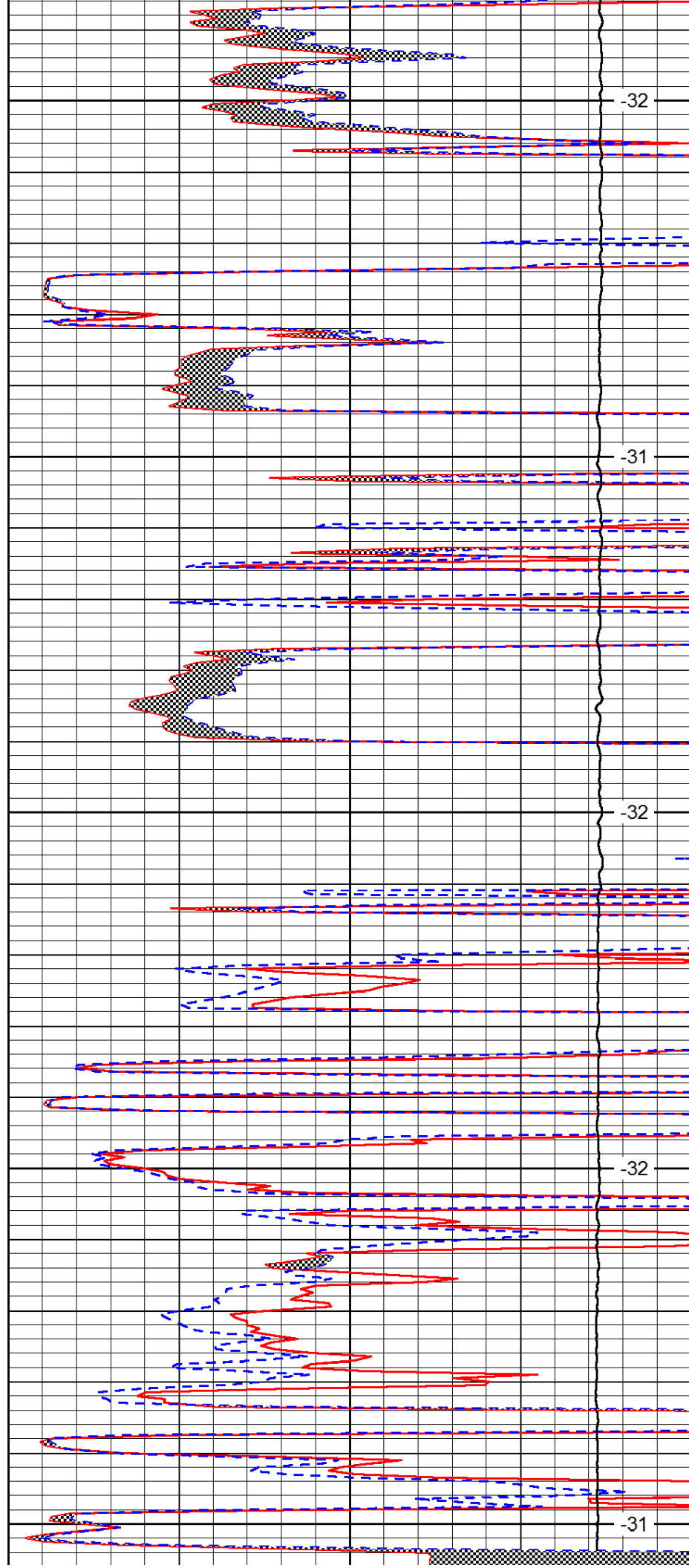
4250

4300

4350

4400

4450



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