



Microresistivity Log

Pioneer Energy Services

API No.

15-135-25,514-00-00

Company Palomino Petroleum, Inc.

Well Wilhelm Trust #1

Field Wildcat

County Ness State

Kansas

Location 1223' FSL & 1834' FEL

Other Services
RAG

Sec: 16 Twp: 19 S Rge: 21 W

Permanent Datum Ground Level Elevation 2275
Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elevation
K.B. 2280
D.F. 2275
G.L. 2275

Date 12/12/2012

Run Number Two

Depth Driller 4451

Depth Logger 4453

Bottom Logged Interval 4452

Top Log Interval 3500

Casing Driller 8.625 @ 216

Casing Logger 216

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 7000

Density / Viscosity 9.1 50

pH / Fluid Loss 8.5 10.0

Source of Sample Flowline

Rm @ Meas. Temp .60 @ 60

Rmf @ Meas. Temp .45 @ 60

Rmc @ Meas. Temp .81 @ 60

Source of Rmf / Rmc Charts

Rm @ BHT .30 @ 121

Operating Rig Time 4 Hours

Max Rec. Temp. F 121

Equipment Number 108

Location Hays

Recorded By D. Martin

Witnessed By Jerry Smith

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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.

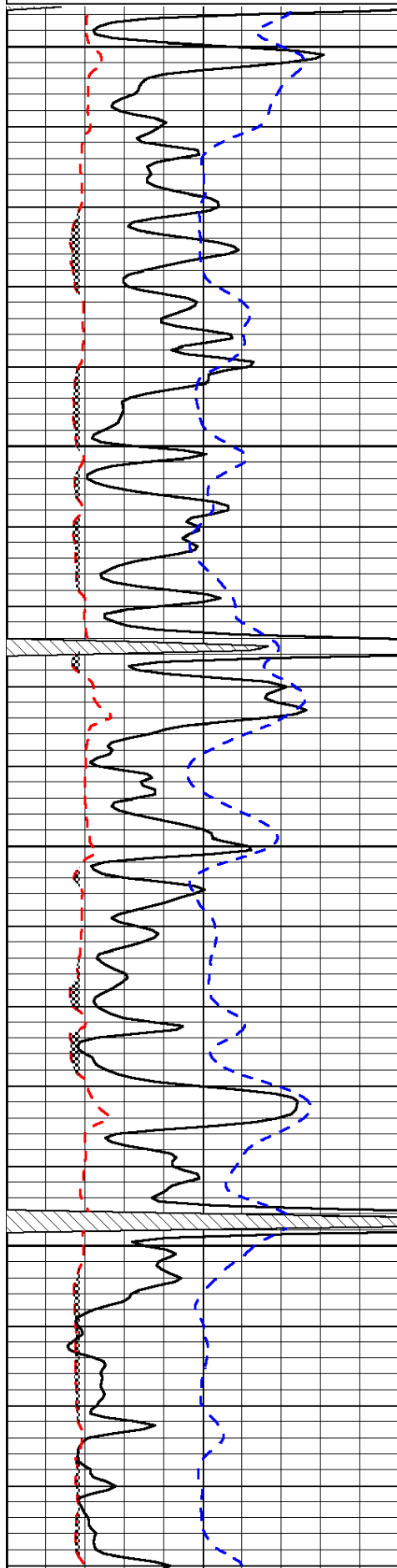
Comments

Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858
Bazine, KS
3 E to GG Rd.(base of Christ Pilot Me Hill),
4 S, 1/4 W, NW Into

Database File: c:\warrior\data\palomino_wilhelm trust #1\palohd.db
Dataset Pathname: rag\palorag2
Presentation Format: micro
Dataset Creation: Wed Dec 12 20:55:18 2012
Charted by: Depth in Feet scaled 1:240

Charted by: Depth in Feet scaled 1:2.10

0	Gamma Ray	150
6	Micro Log Caliper (GAPI)	16
-200	SP (mV)	0



3500

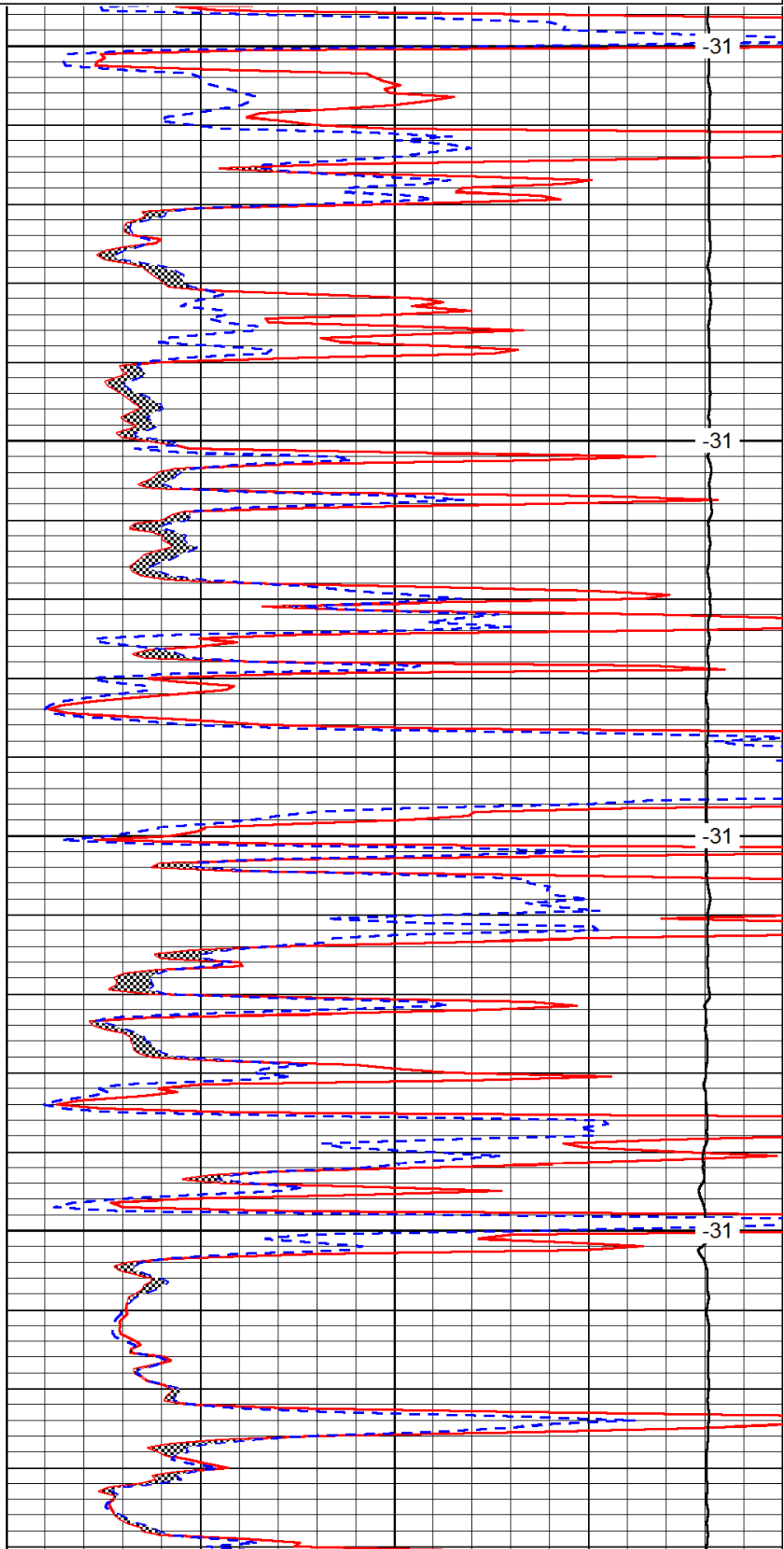
3550

3600

3650

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

LSPD

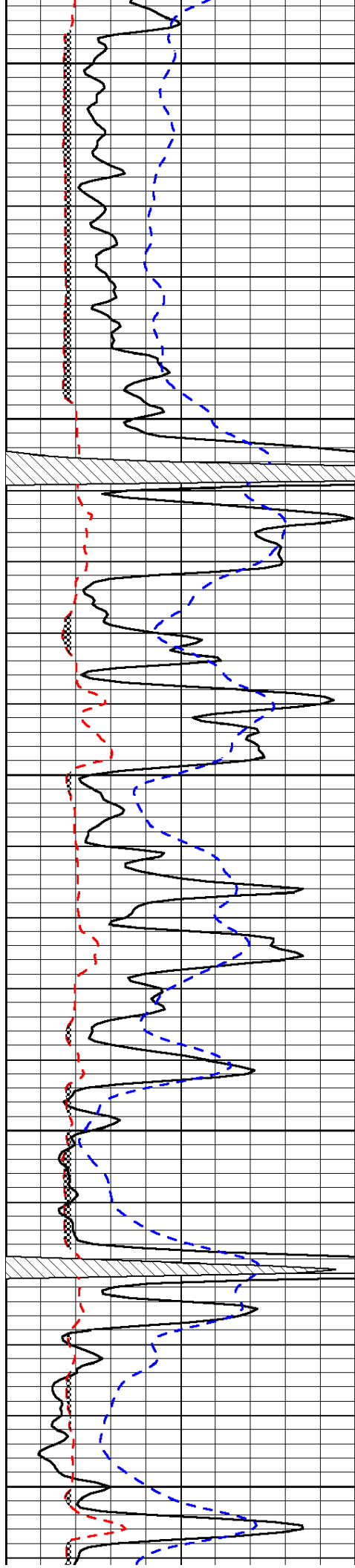


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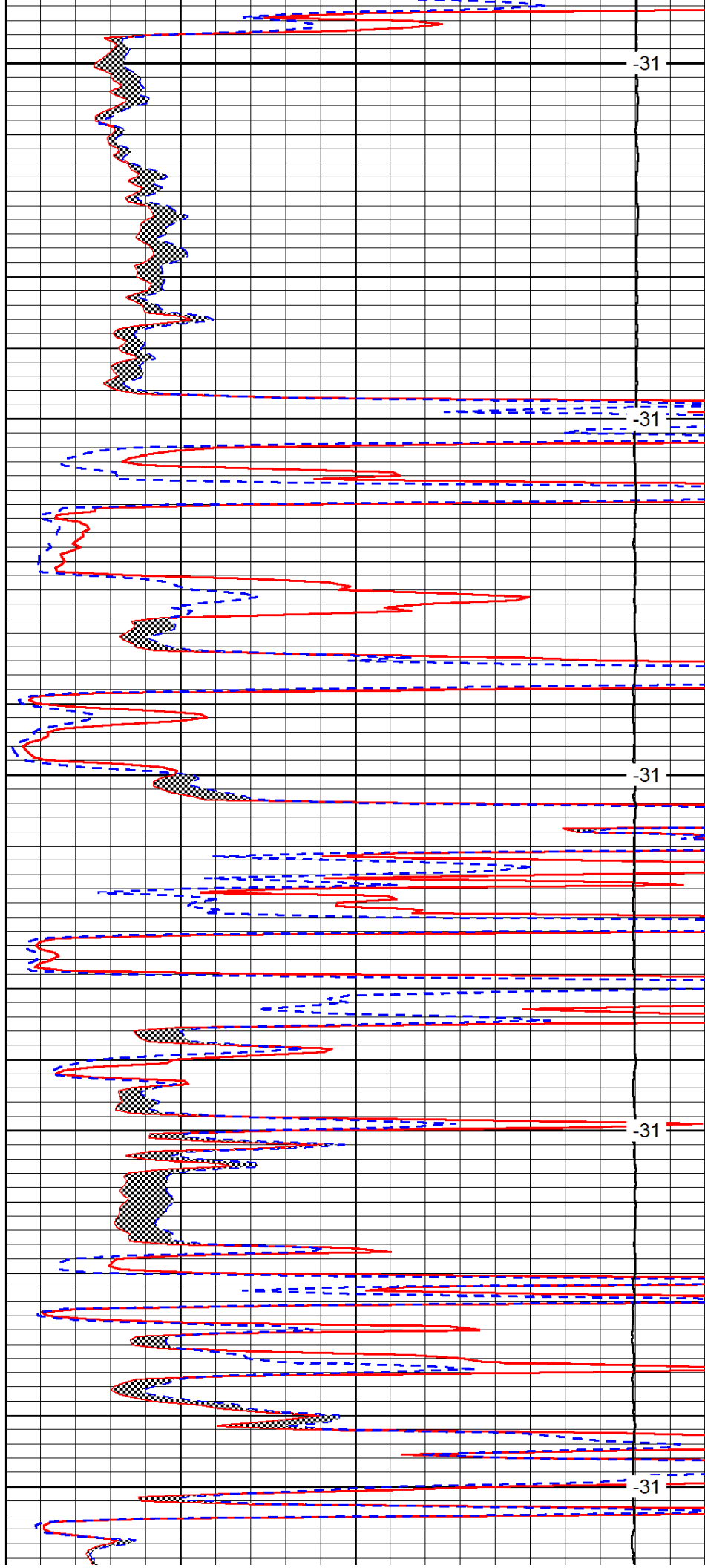
3700

3750

3800

3850

3900



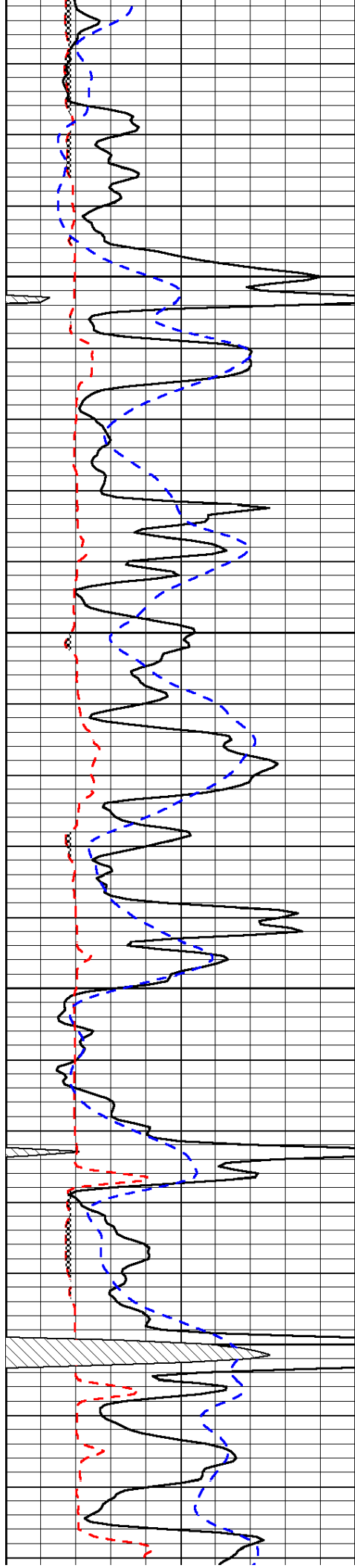
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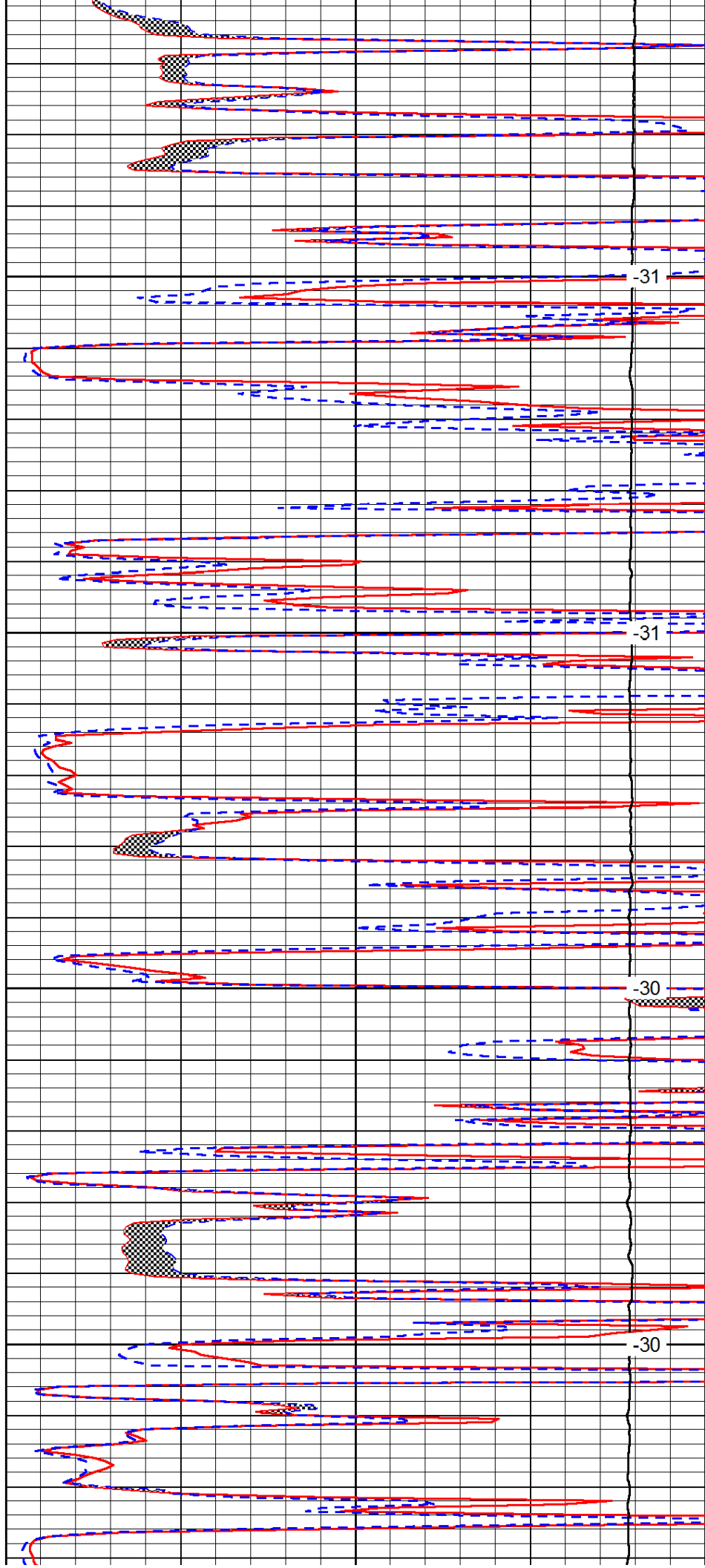


3950

4000

4050

4100

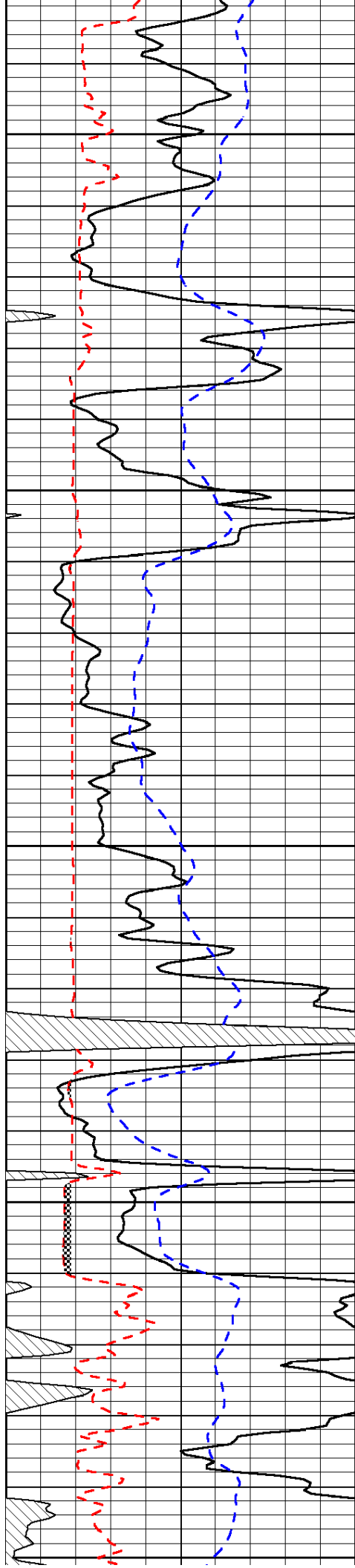


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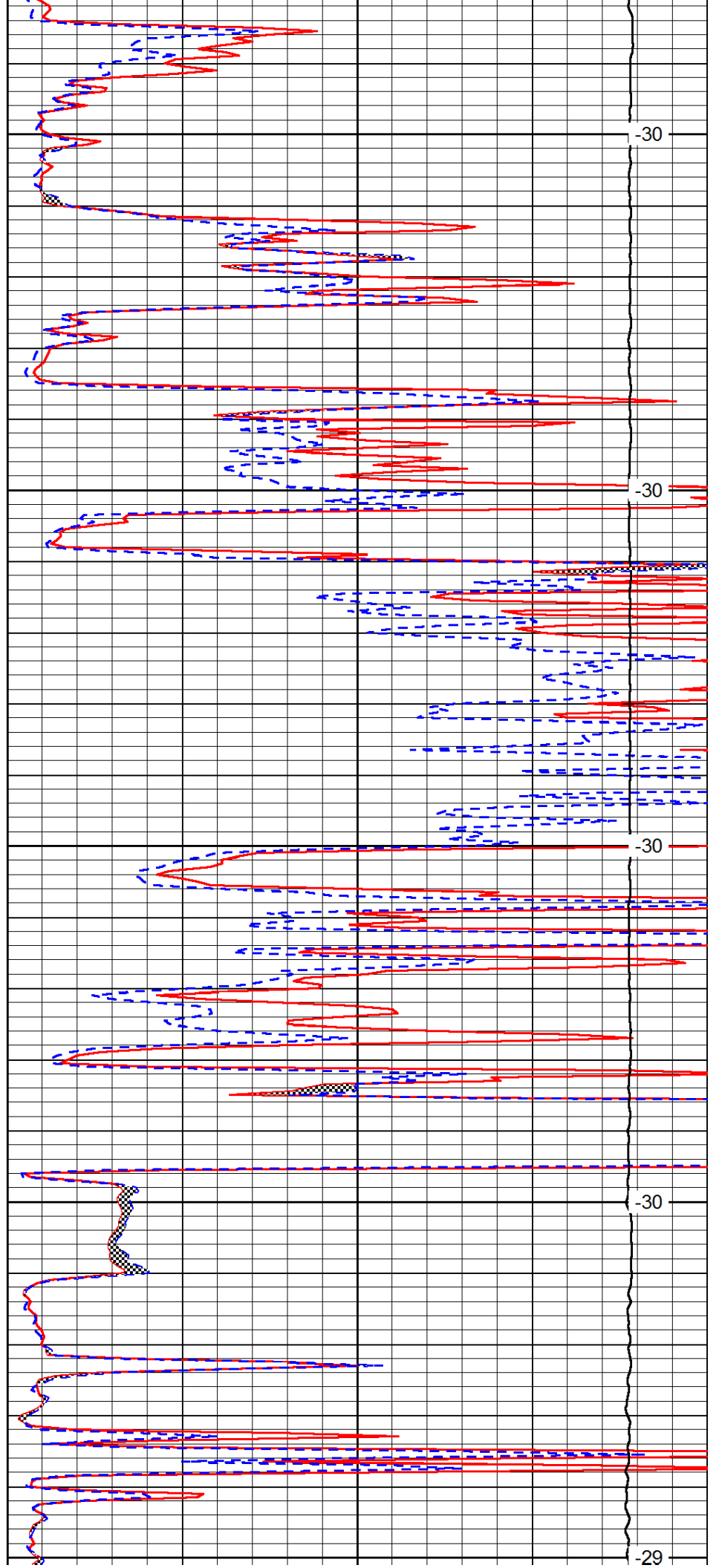
4150

4200

4250

4300

4350



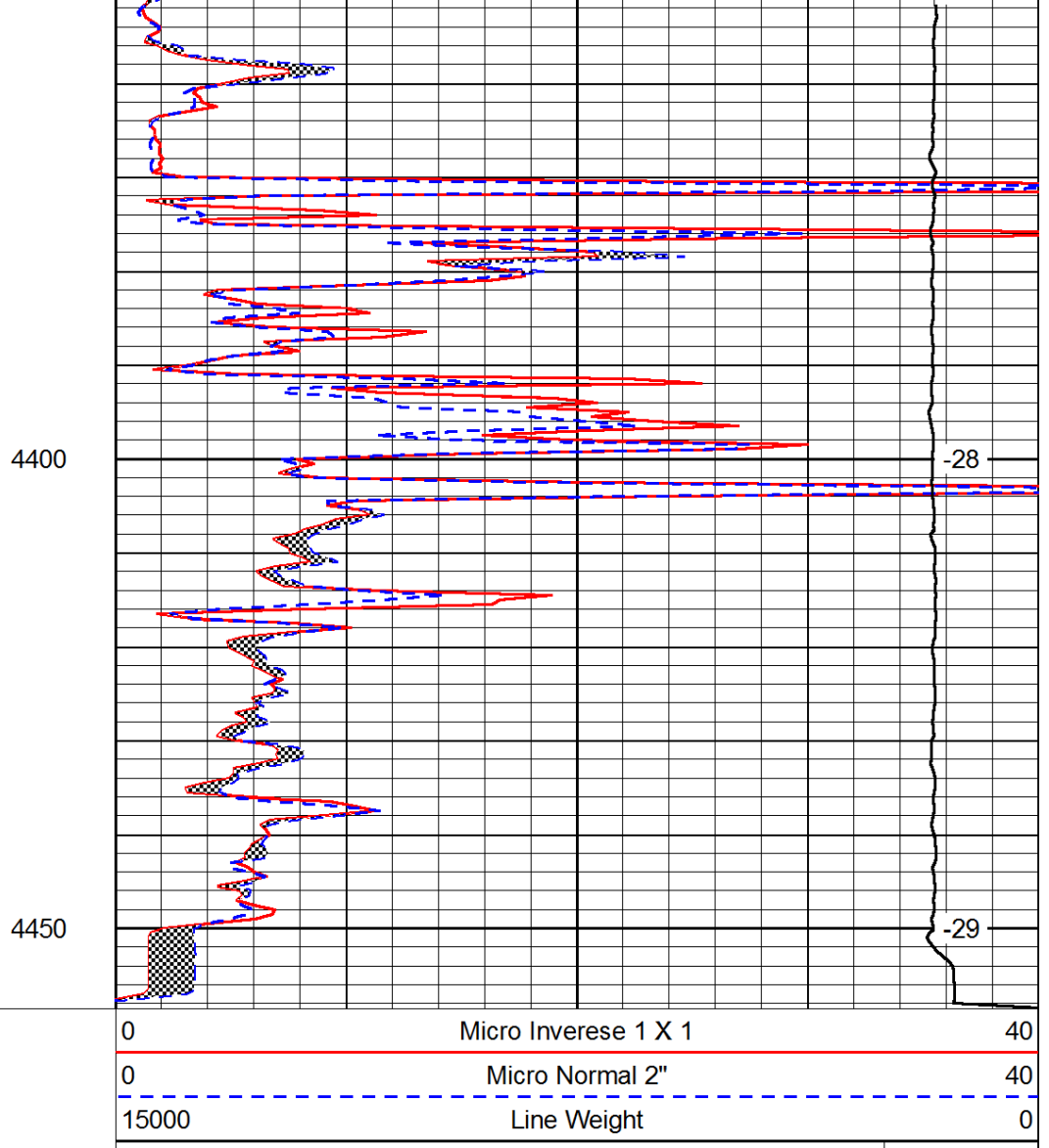
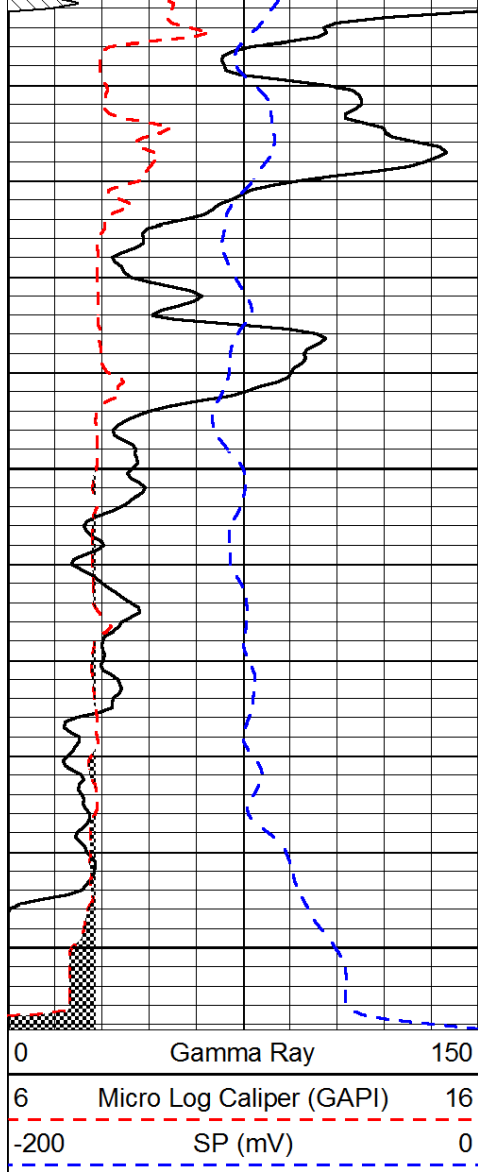
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LSPD