



Microresistivity Log

Pioneer Energy Services

API No.

15-167-24,006-00-00

Company John O Farmer, Inc.

Well Leas #1

Field Gorham

County Russell

State

Kansas

Location

375' FNL & 2160' FWL

Sec: 33

Twp: 13s

Rge: 15w

Elevation

Permanent Datum Ground Level
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

8 Elevation 1909
Ft. Above Perm. Datum

K.B. 1917
D.F. 1909
G.L. 1909

Date 10/6/2014

Run Number Two

Depth Driller 3410

Depth Logger 3410

Bottom Logged Interval 3409

Top Log Interval 2750

Casing Driller 8.625 @ 515

Casing Logger 515

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 3800

Density / Viscosity 9.4 54

pH / Fluid Loss 8.5 8.0

Source of Sample Flowline

Rm @ Meas. Temp .85 @ 70

Rmf @ Meas. Temp .64 @ 70

Rmc @ Meas. Temp 1.15 @ 70

Source of Rmf / Rmc Charts

Rm @ BHT .54 @ 110

Operating Rig Time 4 Hours

Max Rec. Temp. F 110

Equipment Number 108

Location Hays

Recorded By D. Fischer

Witnessed By Austin Klaus

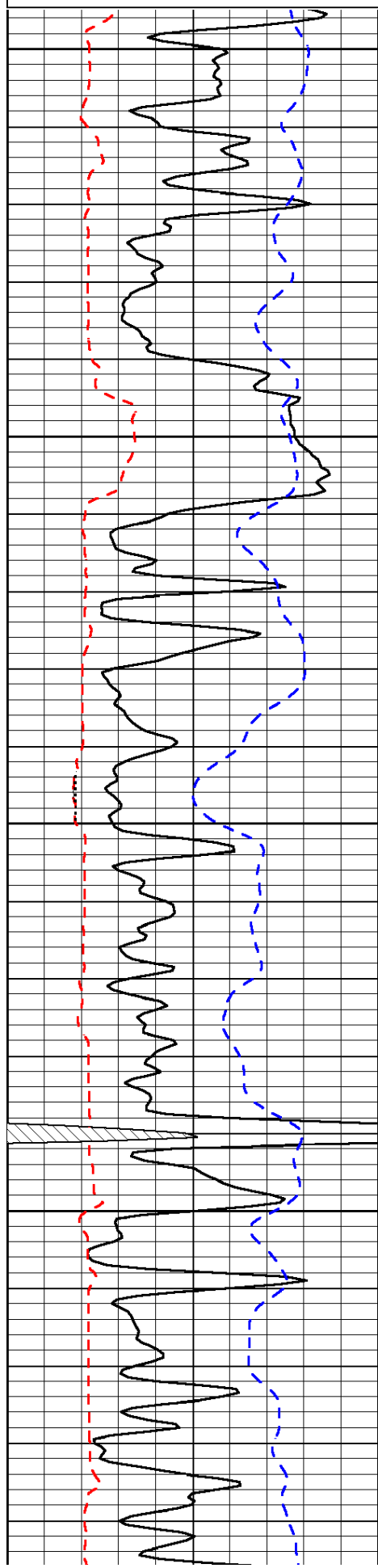
Comments

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

Gorham Ks., 1 1/4 East on Old 40 Hwy., South Into.

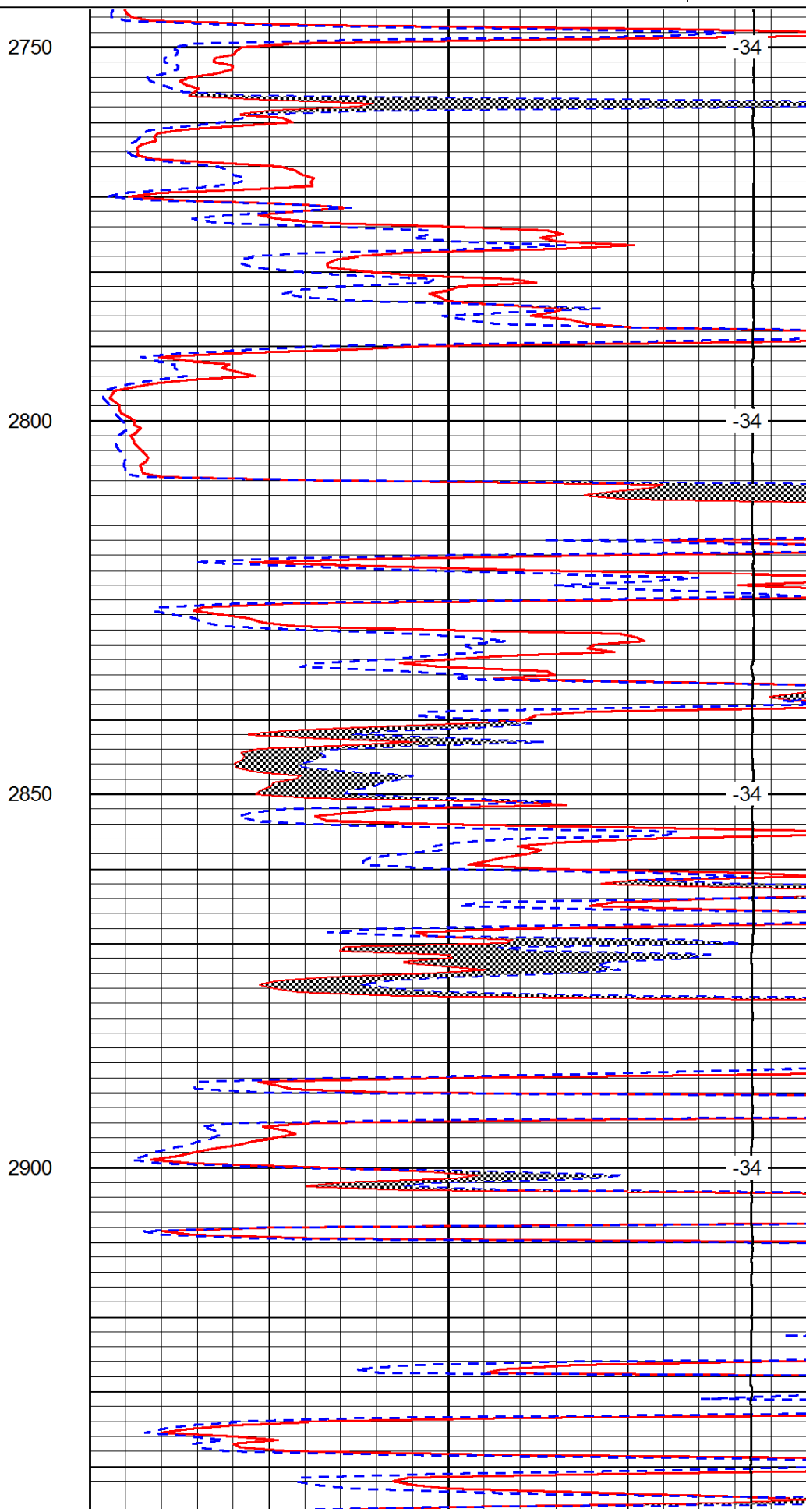
Database File: c:\warrior\data\farmer_leas #1\john_o_farmer_leas_1hd.db
Dataset Pathname: DIL\jofstck2
Presentation Format: micro
Dataset Creation: Mon Oct 06 06:15:35 2014
Charted by: Depth in Feet scaled 1:240

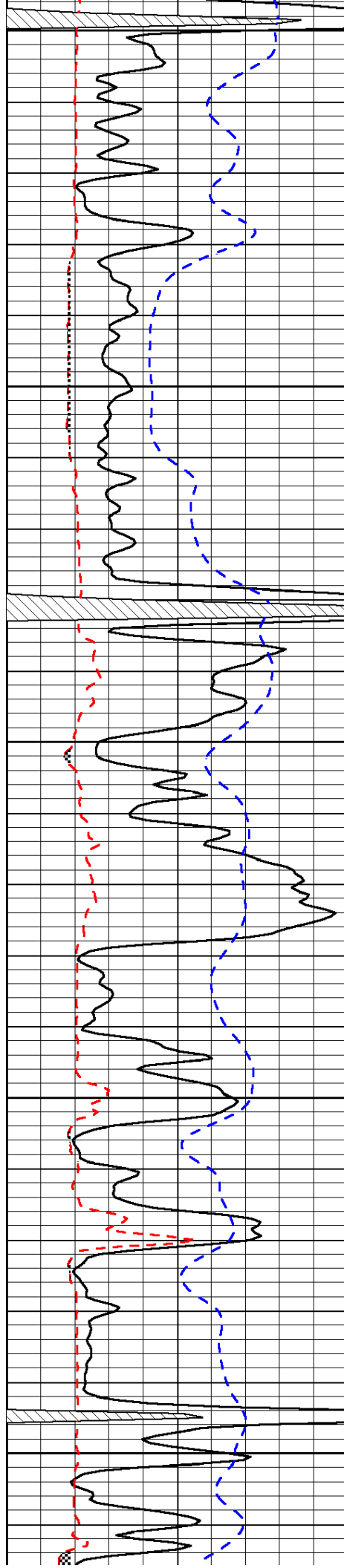
0	Gamma Ray	150
6	Micro Log Caliper (GAPI)	16
-200	SP (mV)	0



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

LSPD





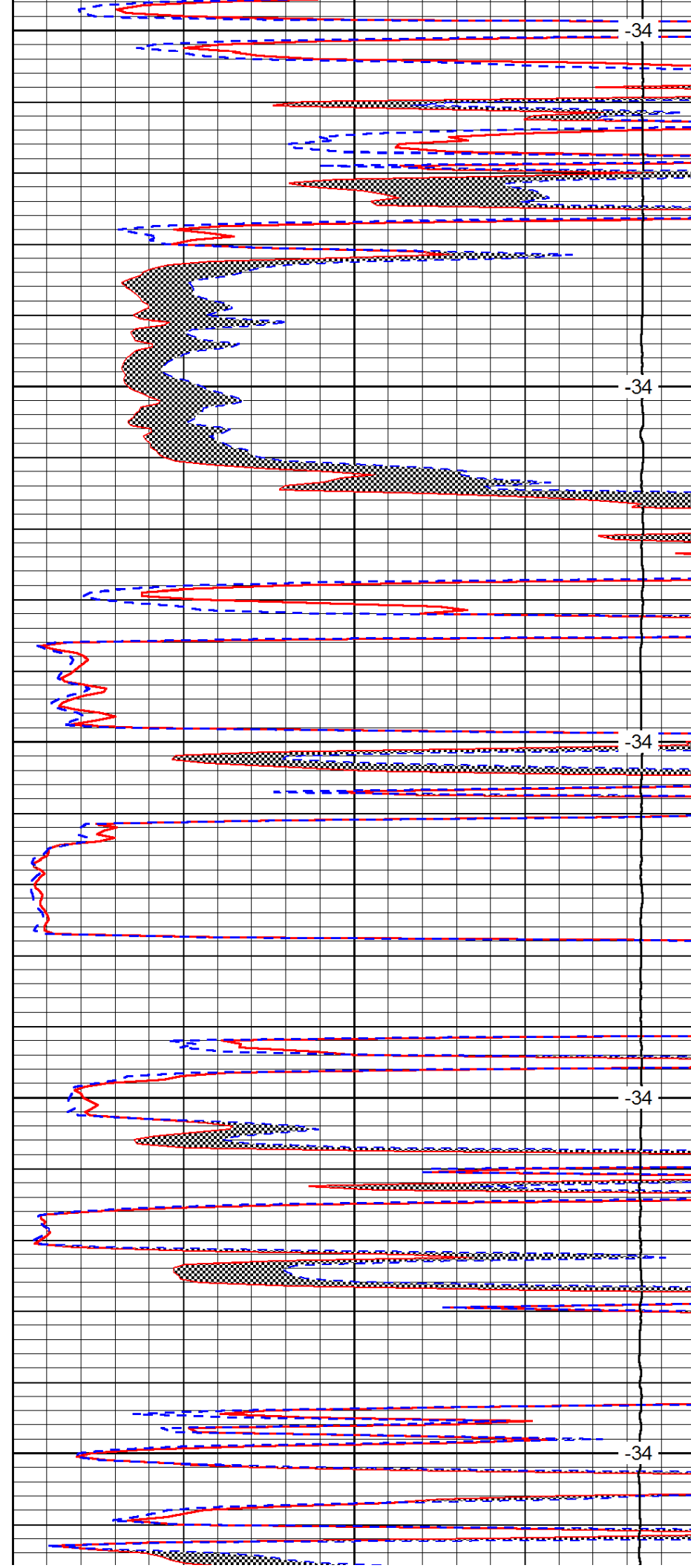
2950

3000

3050

3100

3150



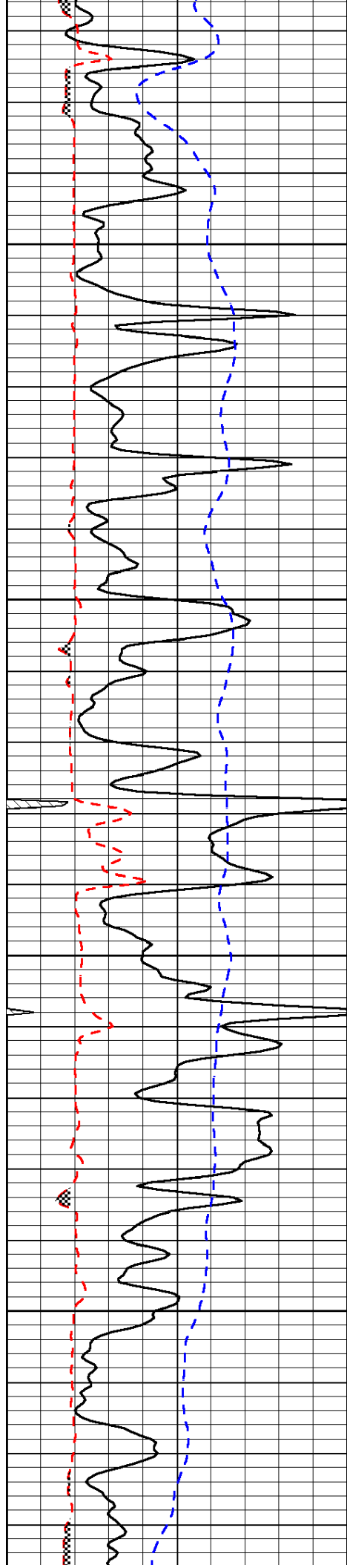
-34

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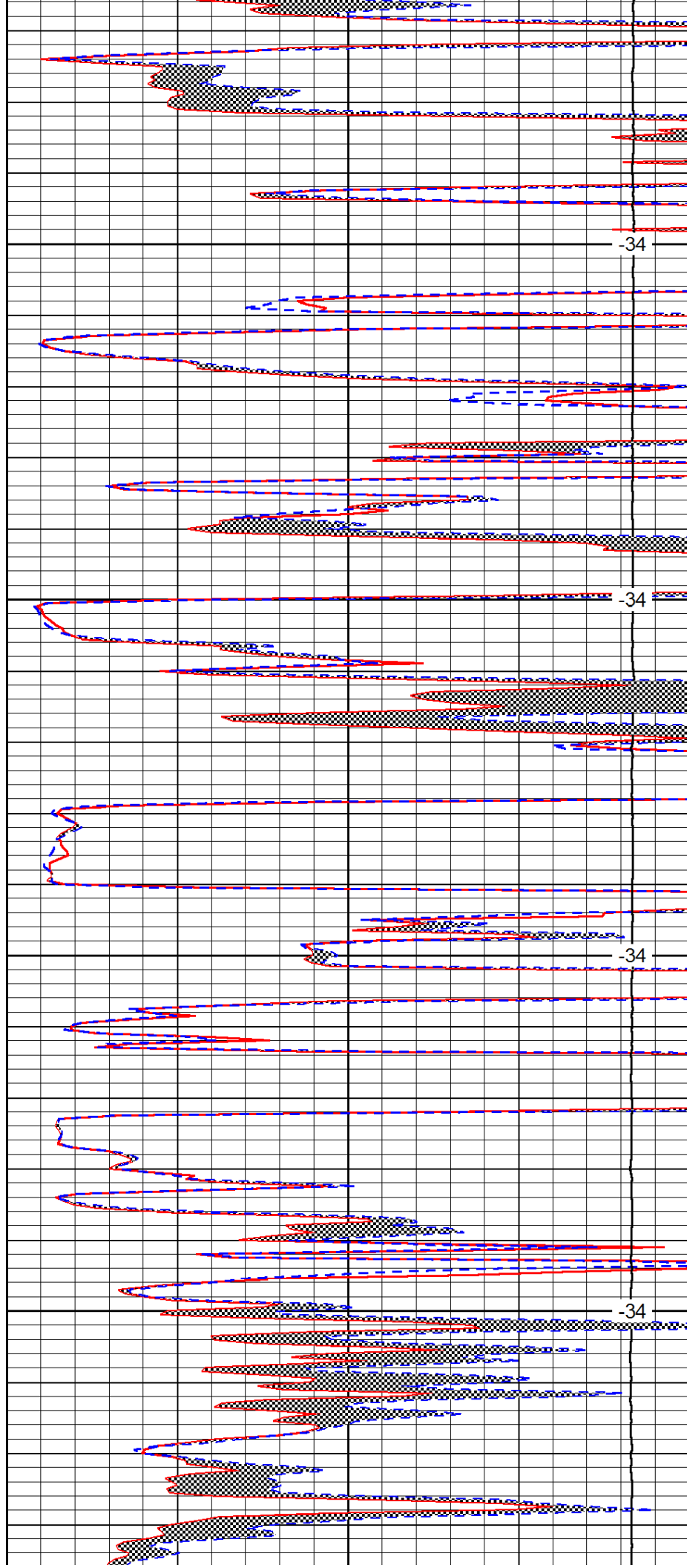


3200

3250

3300

3350

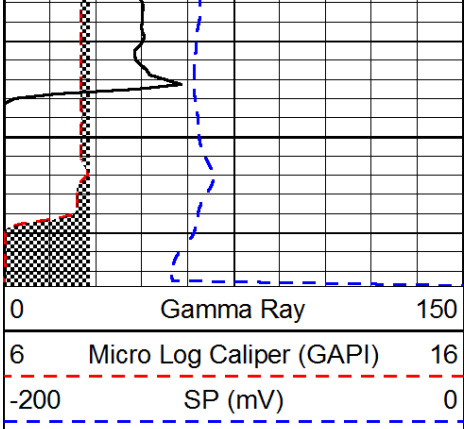


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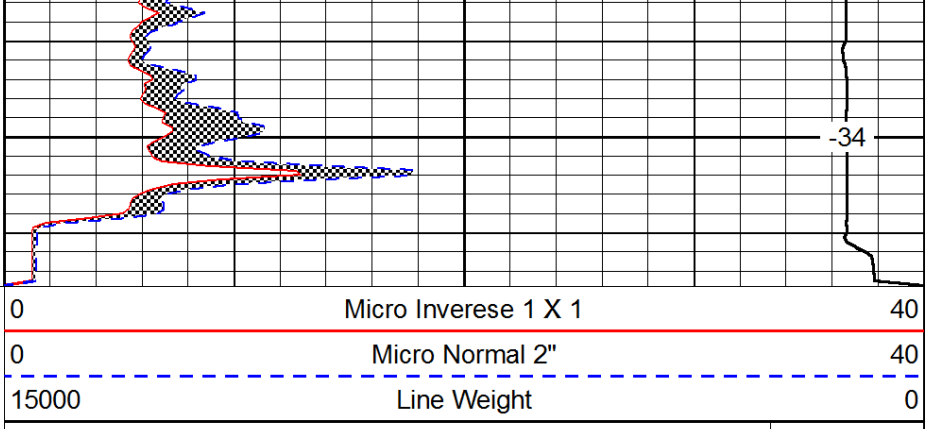
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3400



-34

LSPD