



Microresistivity Log

Pioneer Energy Services

API No.

15-159-22,799-00-00

Company **Carrie Exploration & Development, LLC**

Well **Brian #C-1**

Field **None**

County **Rice** State **Kansas**

Location

**W/2 NW NE SW
2310' FSL & 1445' FWL**

Sec: **26**

Twp: **20S**

Rge: **10W**

Elevation

**K.B. 1792
D.F. 1783
G.L. 1783**

Permanent Datum **Ground Level** Elevation **1783**
Log Measured From **Kelly Bushing** 9 Ft. Above Perm. Datum
Drilling Measured From **Kelly Bushing**

Date **10/17/2014**

Run Number **Two**

Depth Driller **3415**

Depth Logger **3408**

Bottom Logged Interval **3407**

Top Log Interval **2200**

Casing Driller **8.625 @ 305**

Casing Logger **303**

Bit Size **7.875**

Type Fluid in Hole **Chemical**

Salinity, ppm CL **6000**

Density / Viscosity **9.1 58**

pH / Fluid Loss **9.5 N/A**

Source of Sample **Flowline**

Rm @ Meas. Temp **0.60 @ 70**

Rmf @ Meas. Temp **0.45 @ 70**

Rmc @ Meas. Temp **0.81 @ 70**

Source of Rmf / Rmc **Charts**

Rm @ BHT **0.38 @ 110**

Operating Rig Time **4 Hours**

Max Rec. Temp. F **110**

Equipment Number **15**

Location **Hays**

Recorded By **D.Kerr**

Witnessed By **Jeff Burk**

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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.pioneeres.com
785 625 3858

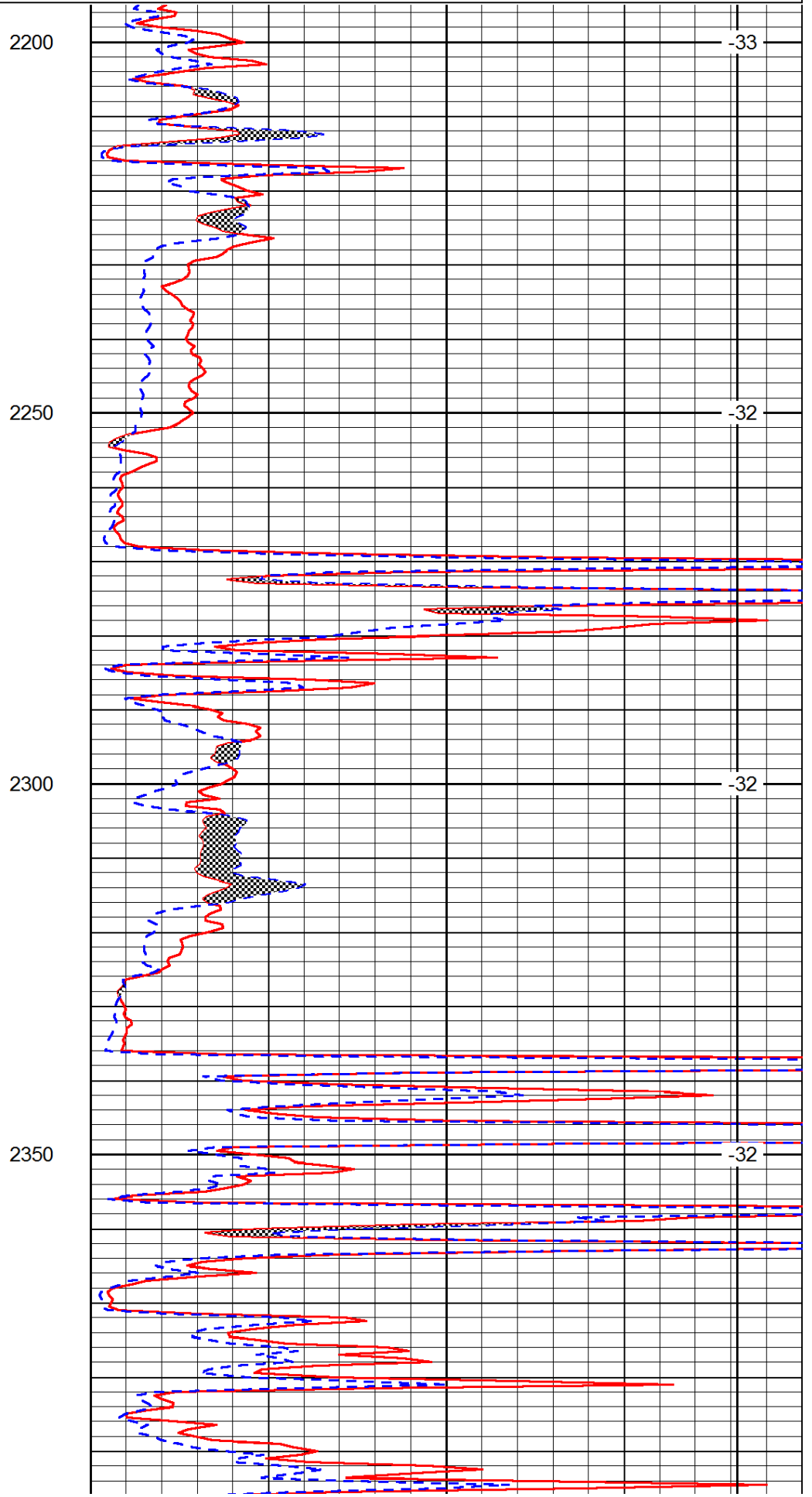
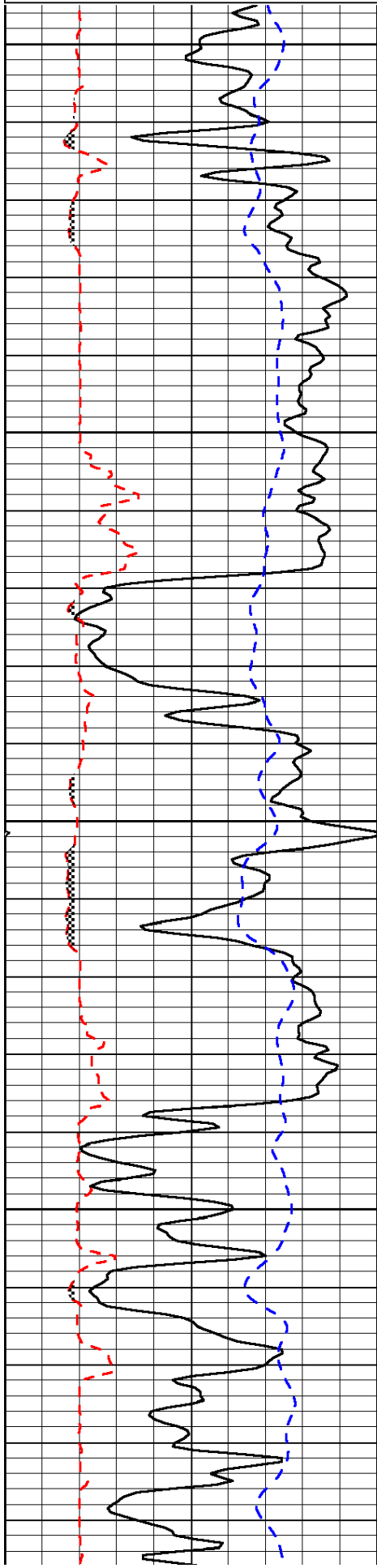
Raymond KS, 1/2 East, 1/2 North, East Into

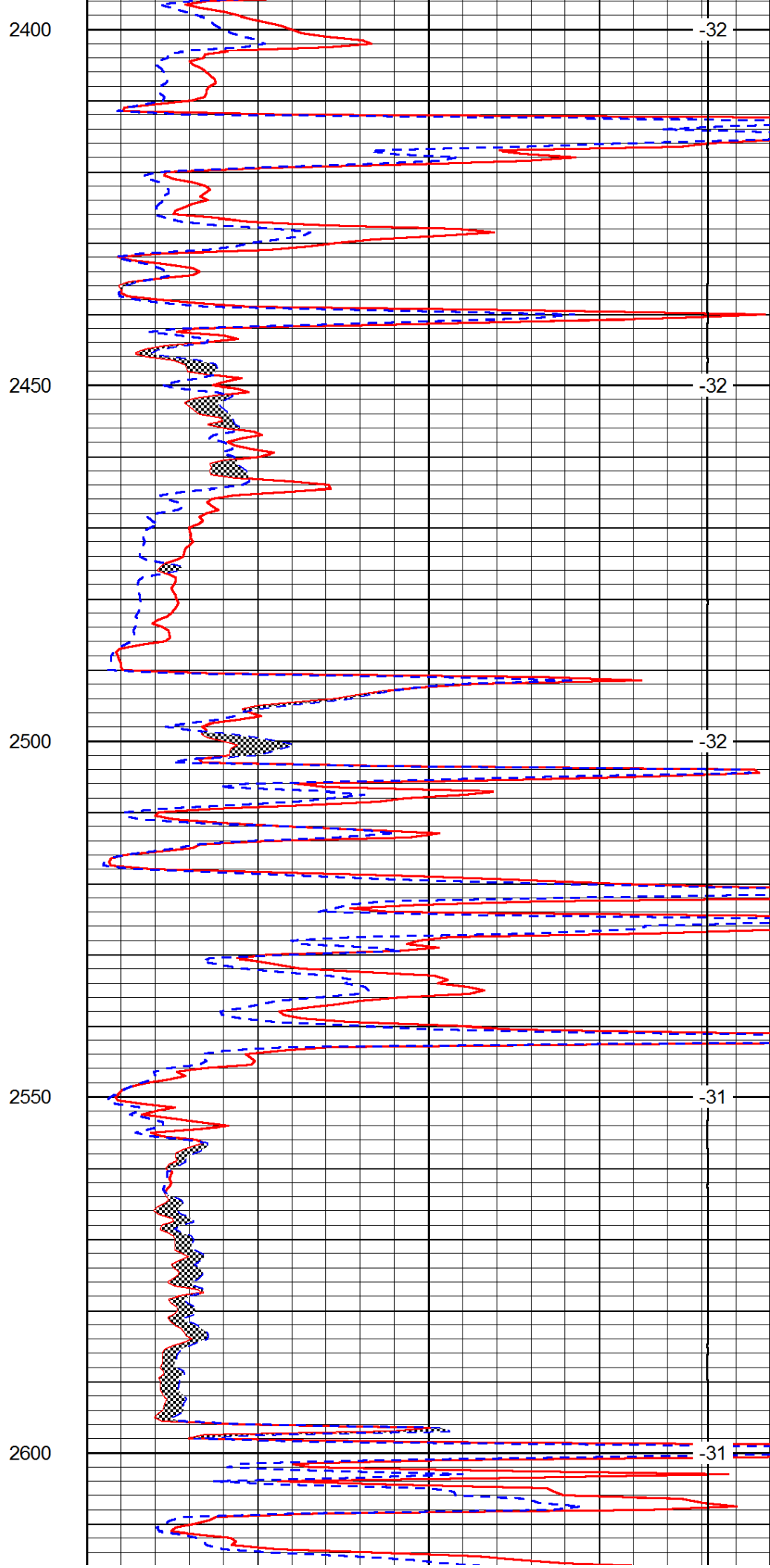
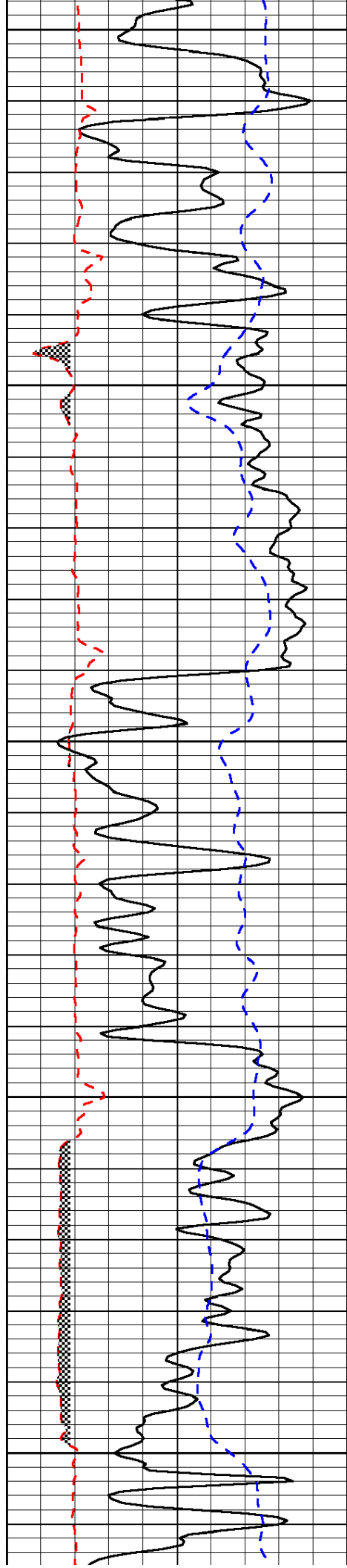
Database File: c:\warrior\data\carrie_exp_brian #c-1\carrie_brian_c_1hd.db
Dataset Pathname: DIL/carrstk
Presentation Format: micro
Dataset Creation: Fri Oct 17 08:34:19 2014
Charted by: Depth in Feet scaled 1:240

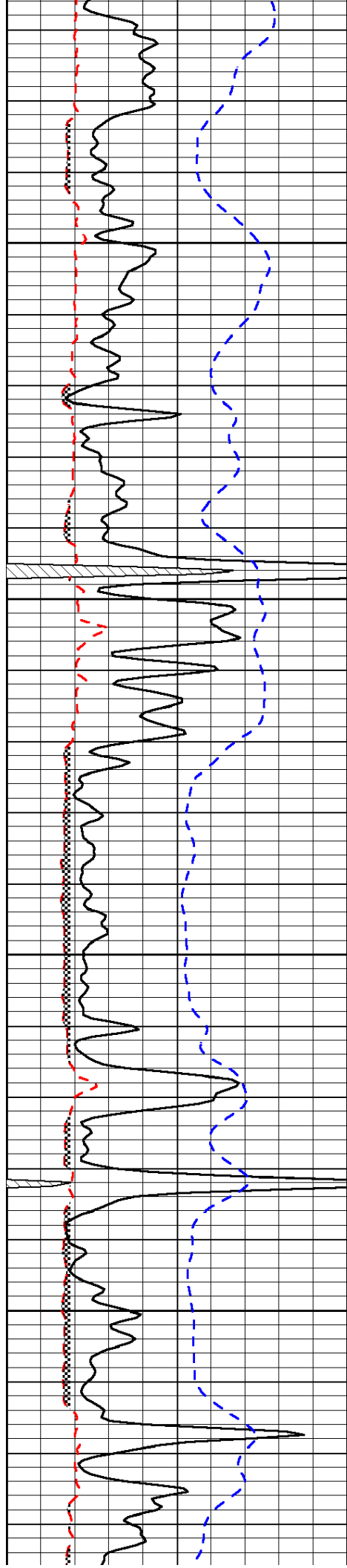
0	Gamma Ray	150
6	MCAL (GAPI)	16
-200	SP (mV)	0

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

LSPD





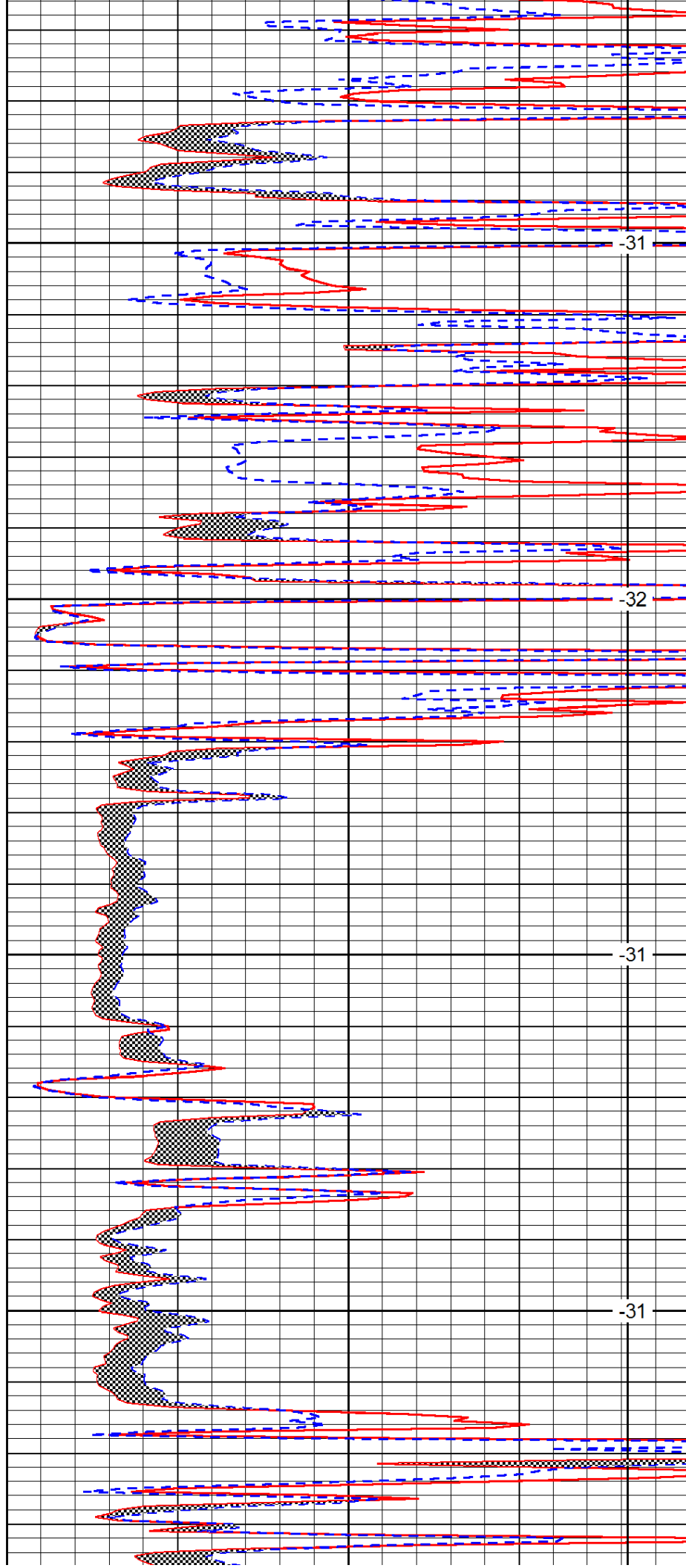


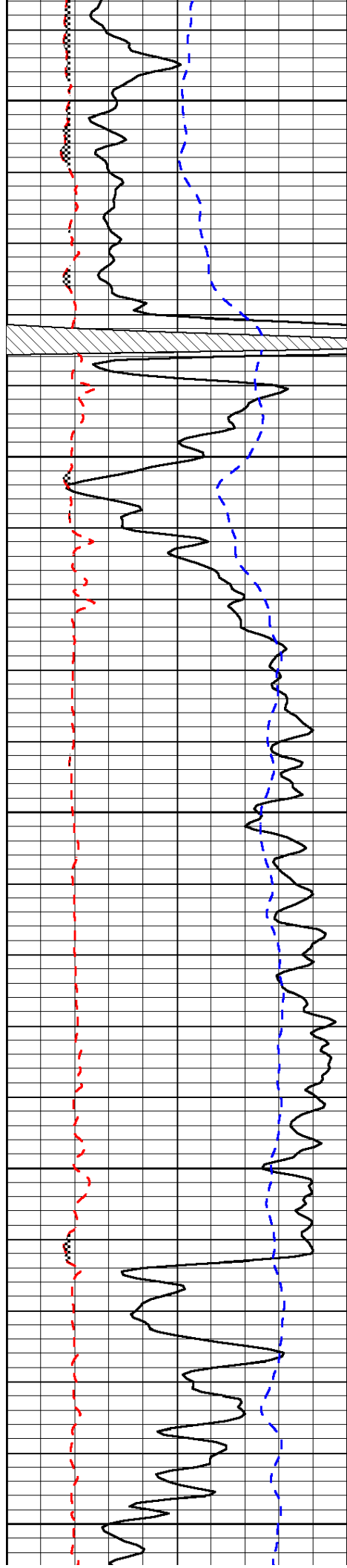
2650

2700

2750

2800





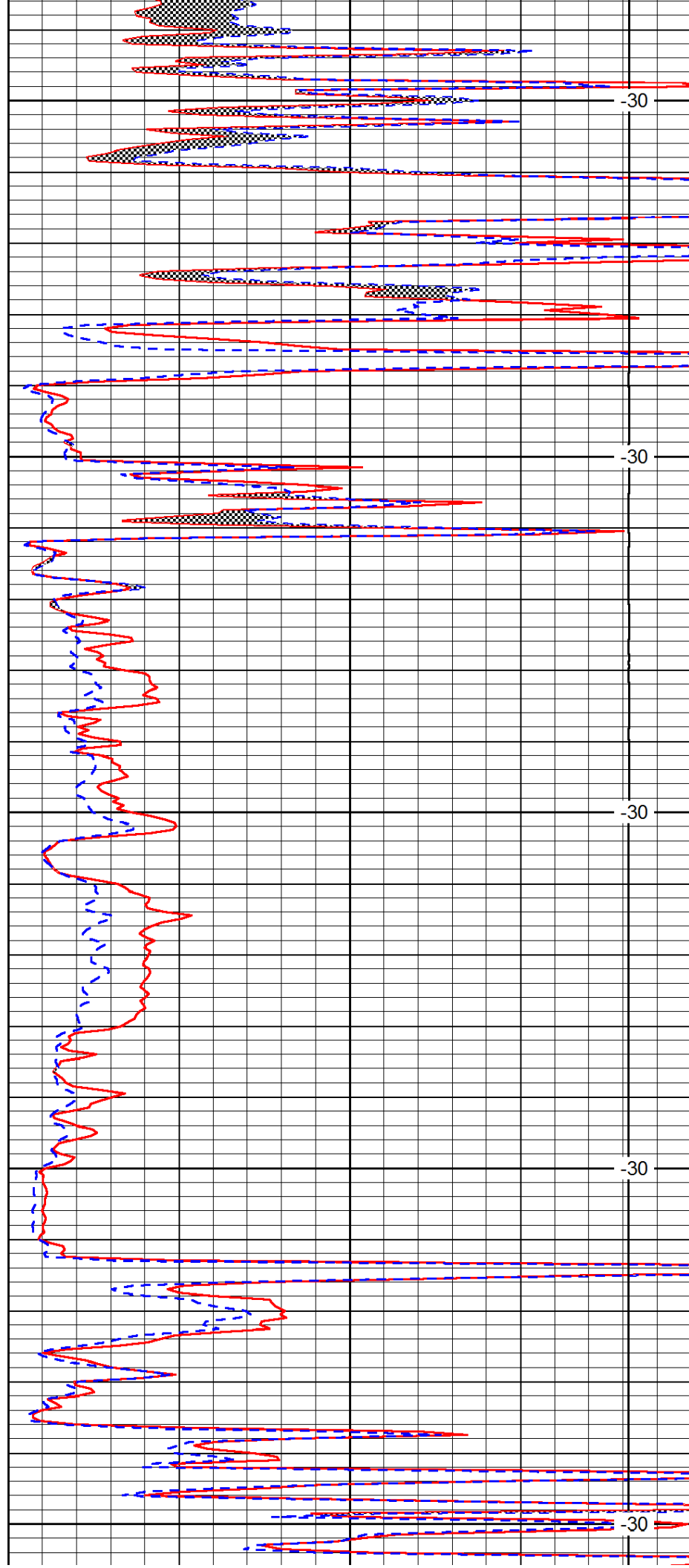
2850

2900

2950

3000

3050



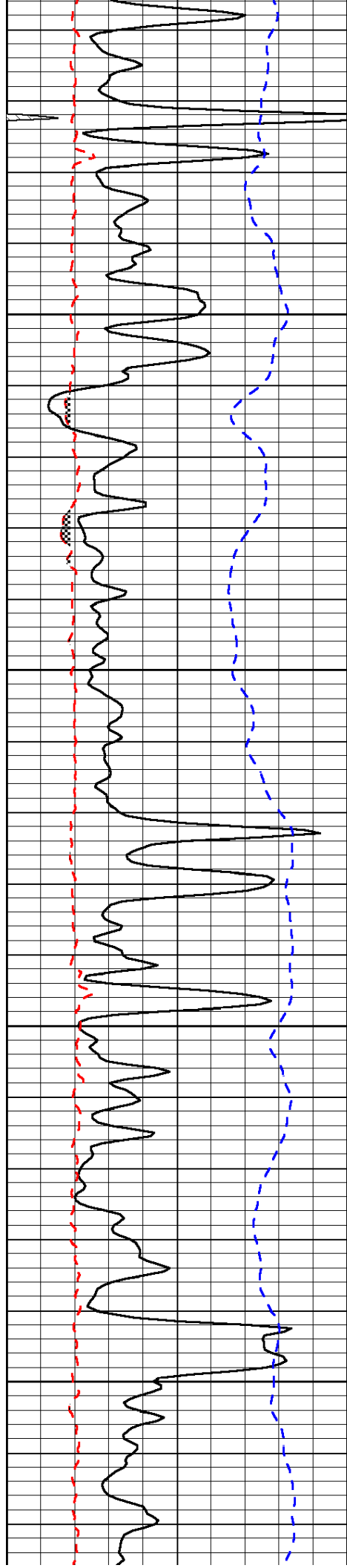
-30

-30

-30

-30

-30

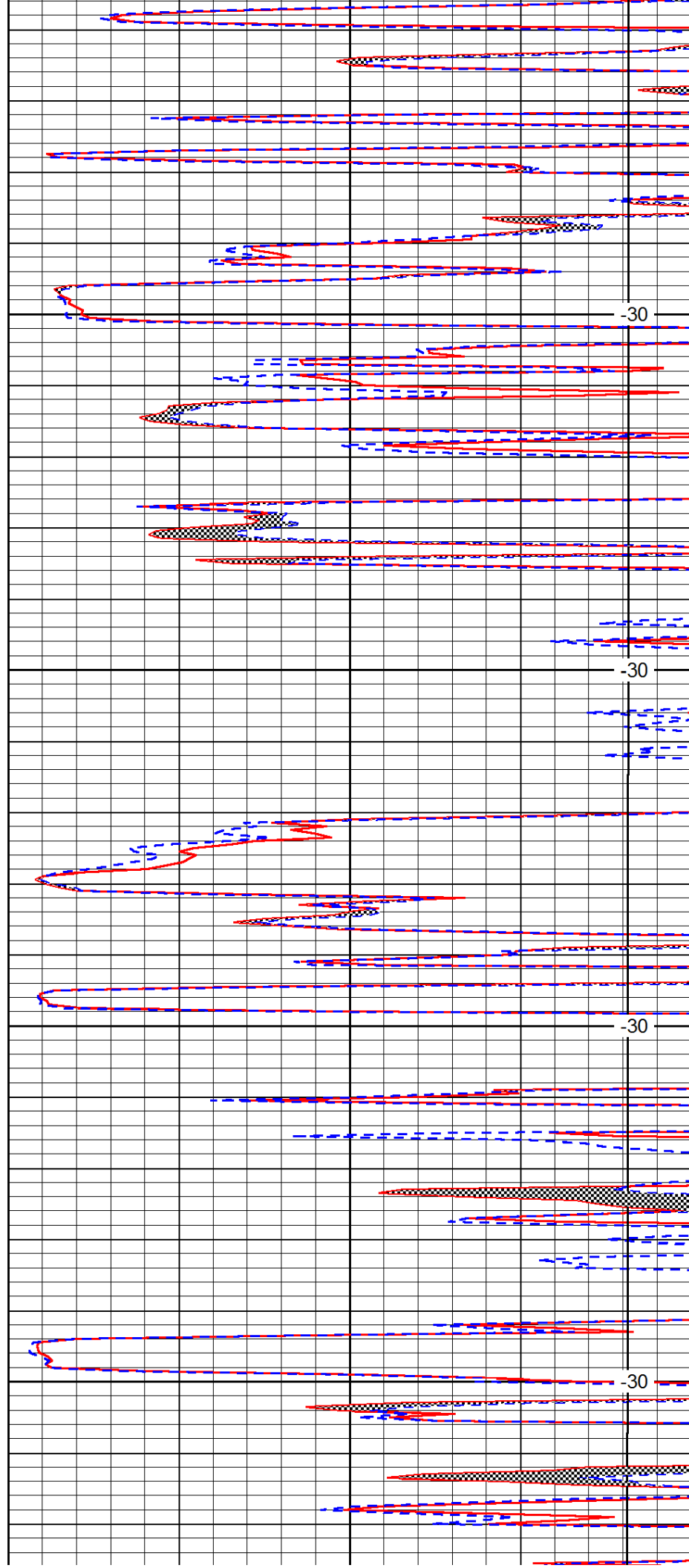


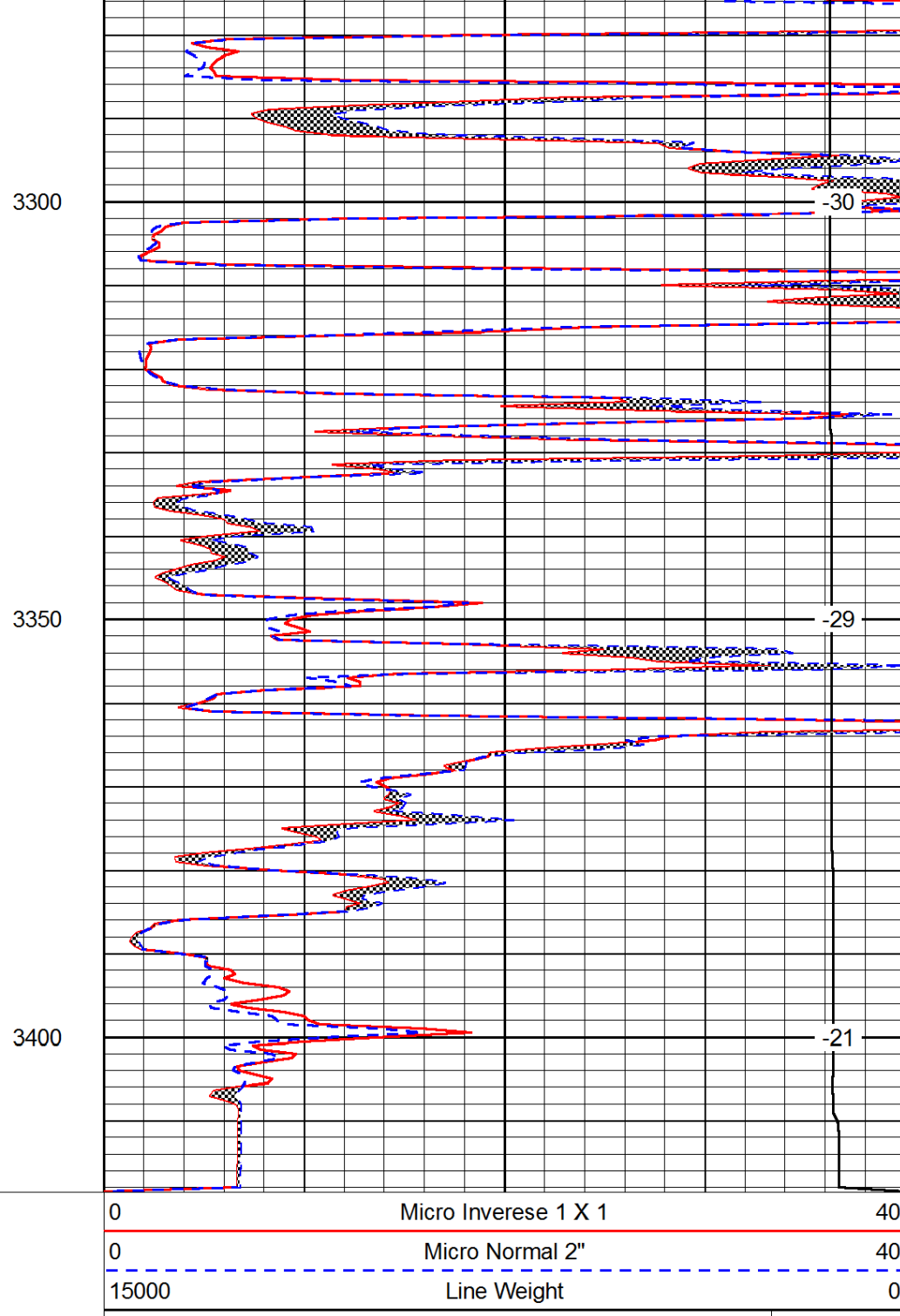
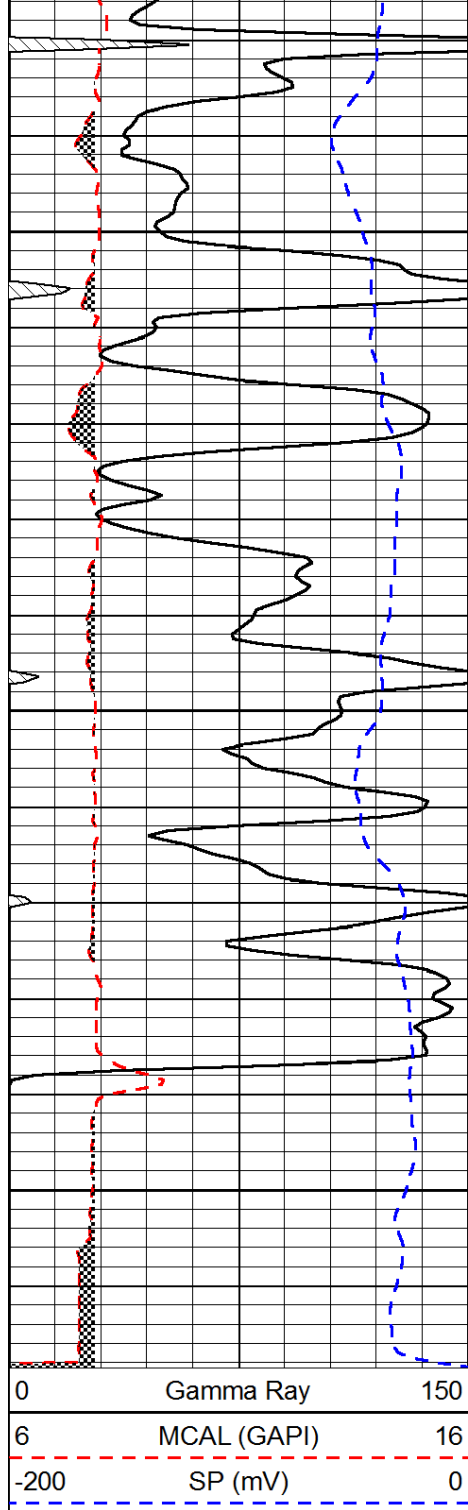
3100

3150

3200

3250





LSPD