



Pioneer Energy Services

Microresistivity Log

API No.

15-009-26057-00-00

Company Tomlinson Operating, LLC

Well Hoffman Trust #1

Field Kraft-Prusa

County Barton State Kansas

Location

SE SE SE
330' FSL / 330' FEL

Sec: 13

Twp: 16S

Rge: 12W

Elevation

Permanent Datum Ground Level Elevation 1880
Log Measured From Kelly Bushing 9 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 1889
D.F.
G.L. 1880

Date

12/19/2014

Run Number

Two

Depth Driller

3413

Depth Logger

3412

Bottom Logged Interval

3411

Top Log Interval

2600

Casing Driller

8.625 @ 413

Casing Logger

406

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

7300

Density / Viscosity

9.3 49

pH / Fluid Loss

8.0 9.2

Source of Sample

Flowline

Rm @ Meas. Temp

0.32 @ 42

Rmf @ Meas. Temp

0.24 @ 42

Rmc @ Meas. Temp

0.43 @ 42

Source of Rmf / Rmc

Charts

Rm @ BHT

0.12 @ 110

Operating Rig Time

4 Hours

Max Rec. Temp. F

110

Equipment Number

15

Location

Hays

Recorded By

R. Barnhart

Witnessed By

Bob O'Dell

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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

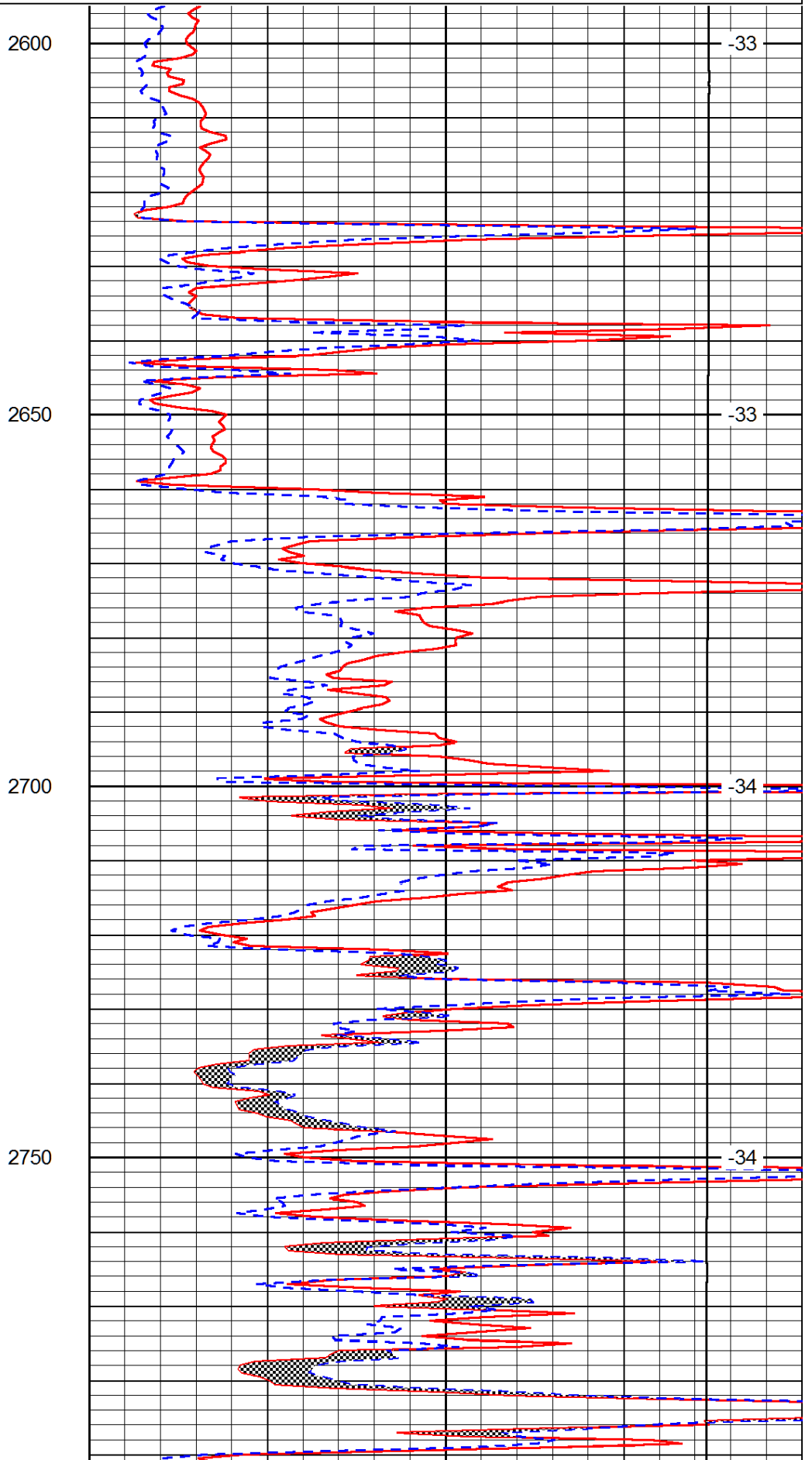
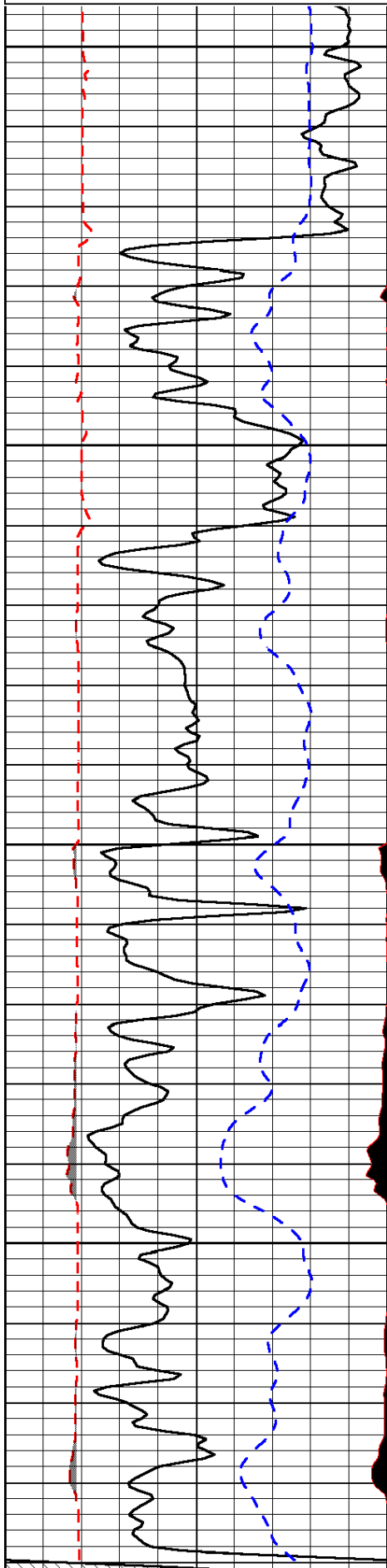
Thank you for using Log-Tech, Inc.
(785) 625-3858

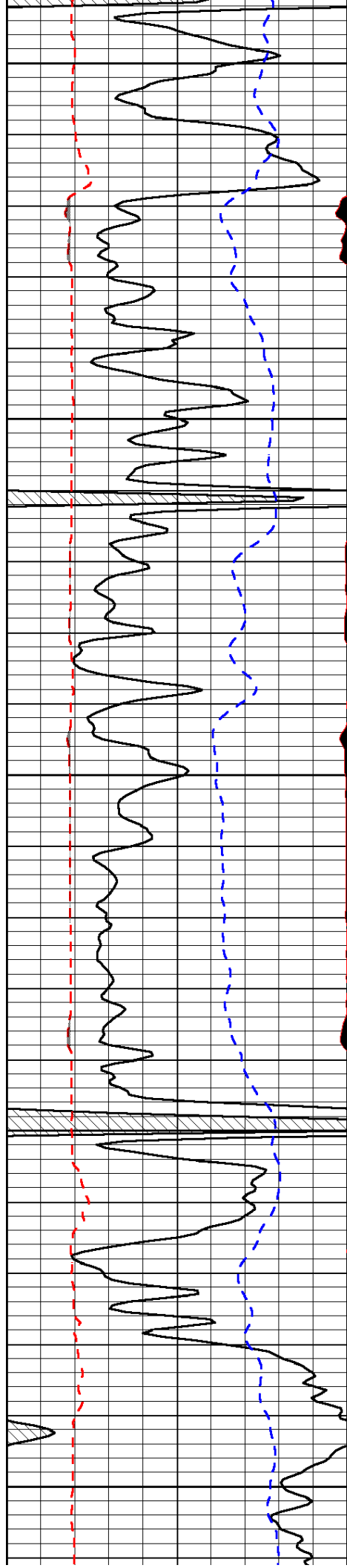
Beaver, KS:
3E, 1N, .9E, N into

Database File: tomlinson_hhd.db
Dataset Pathname: dil/tommain
Presentation Format: micro
Dataset Creation: Thu Dec 18 23:55:13 2014
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
6	MCAL (GAPI)	16
2.875	Mud Cake (GAPI)	7.875
-200	SP (mV)	0

0	Micro Inverse 1 X 1	40
0	Micro Normal 2"	40
10000	Line Weight	0
		LSPD





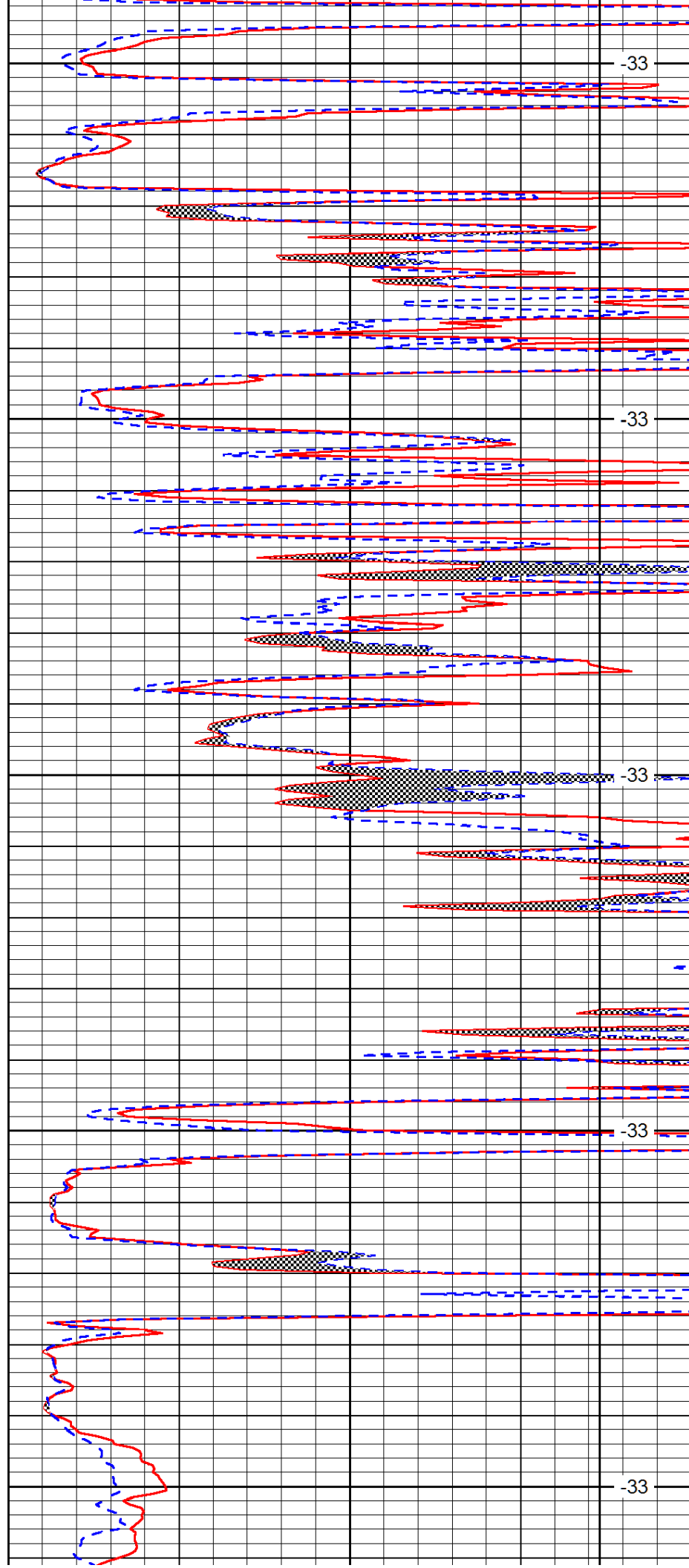
2800

2850

2900

2950

3000



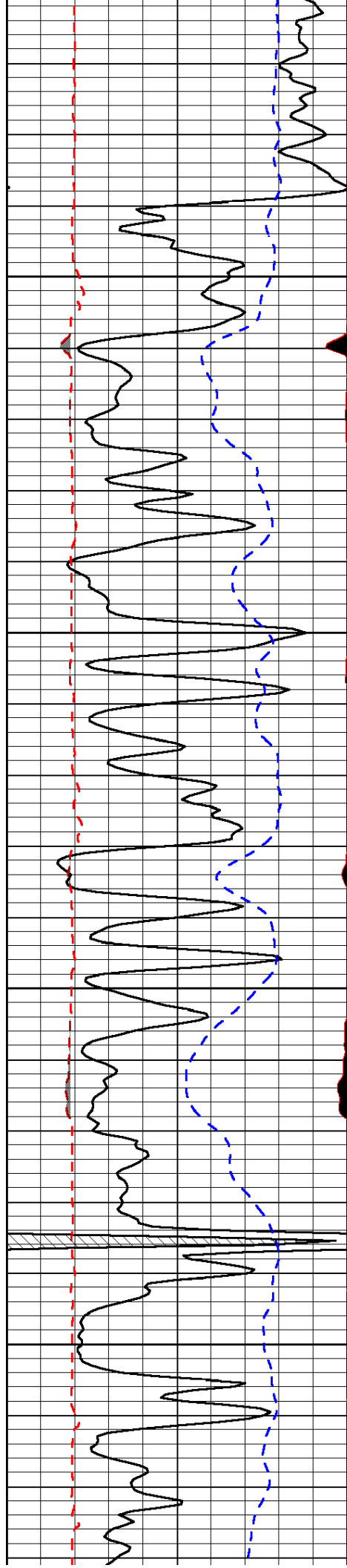
-33

-33

-33

-33

-33

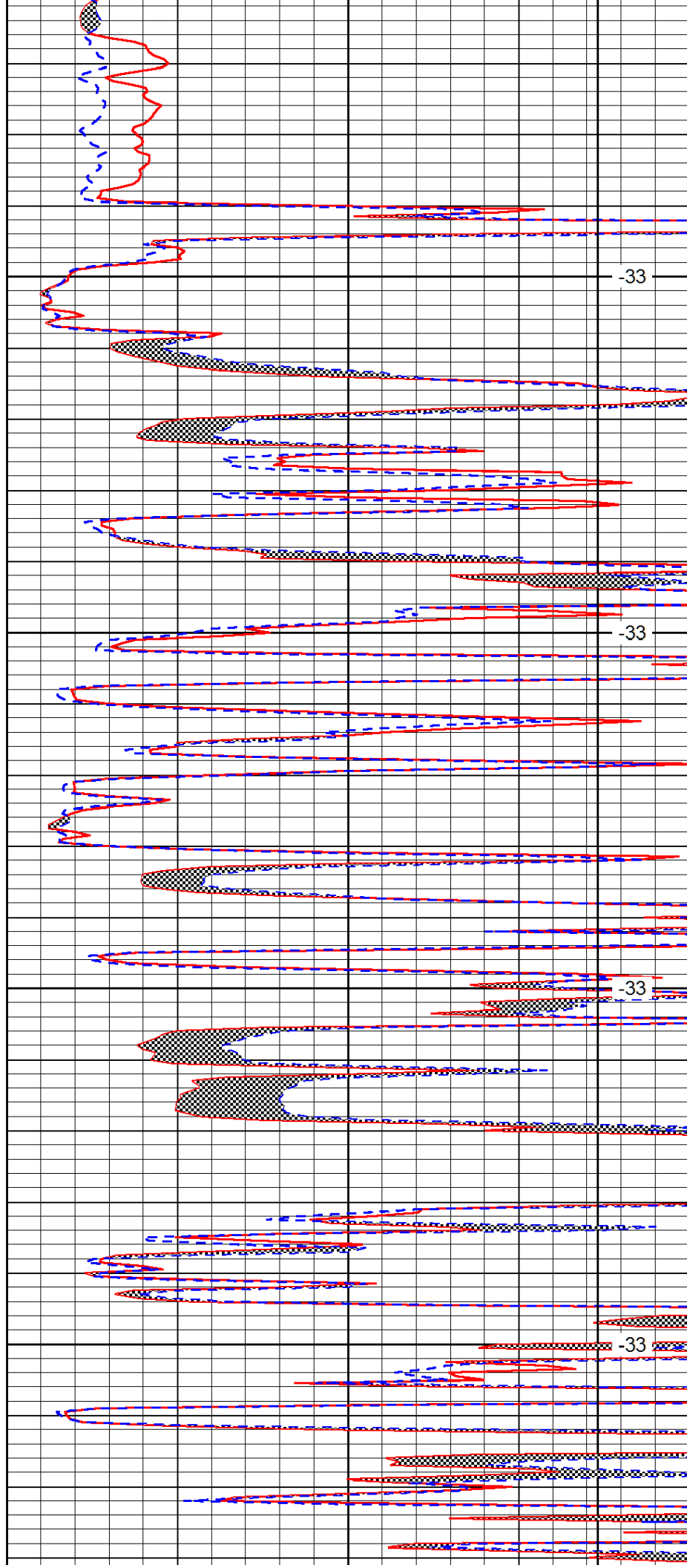


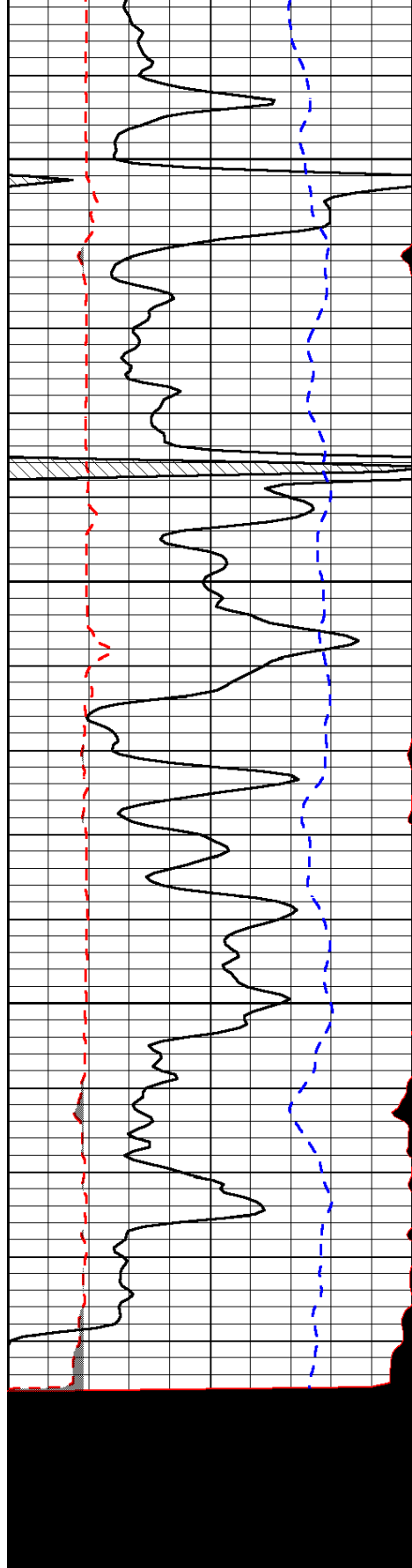
3050

3100

3150

3200





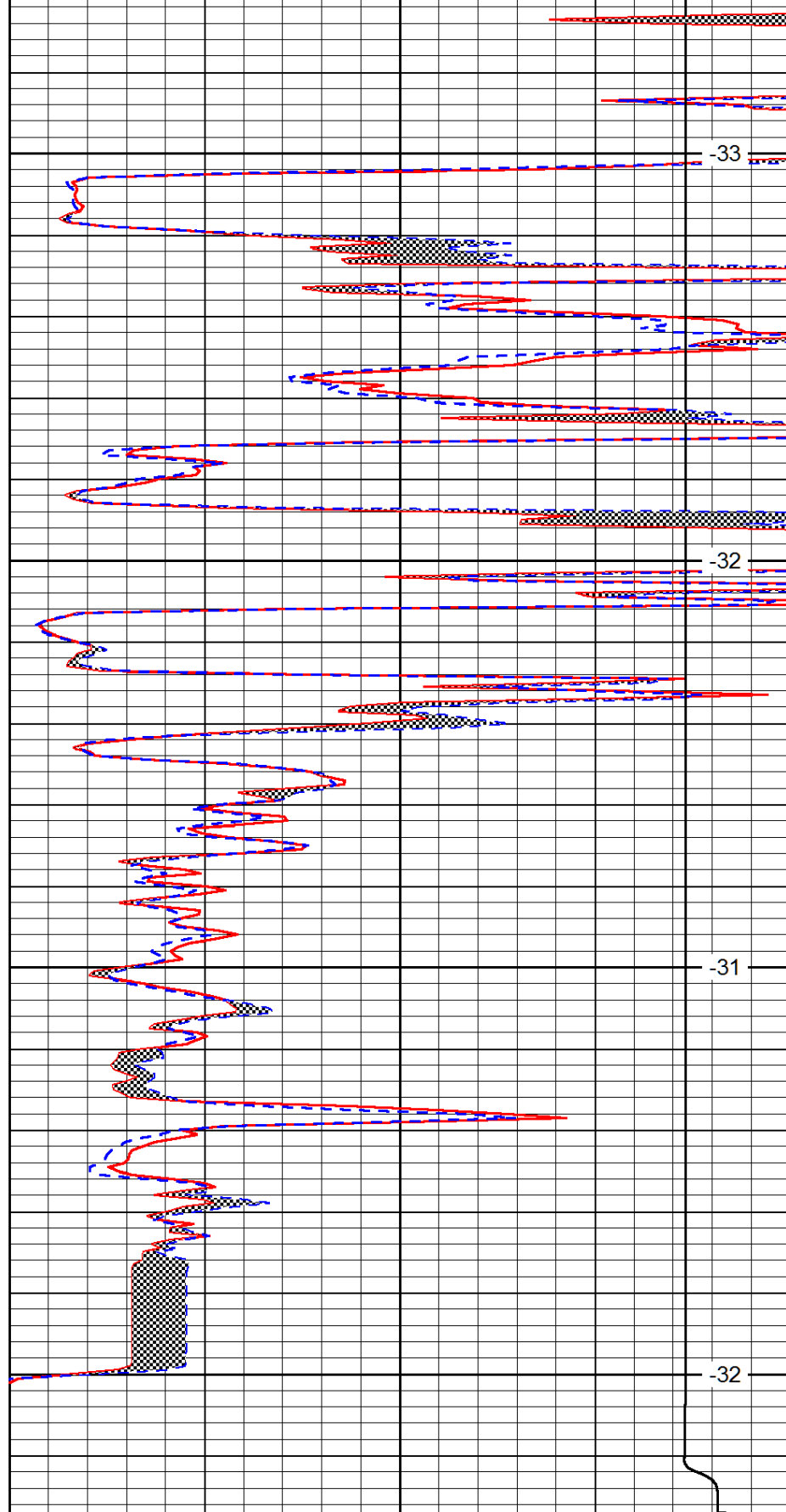
0	Gamma Ray	150
6	MCAL (GAPI)	16
2.875	Mud Cake (GAPI)	7.875
-200	SP (mV)	0

3250

3300

3350

3400



0	Micro Inverse 1 X 1	40
0	Micro Normal 2"	40
10000	Line Weight	0

LSPD