



# Microresistivity Log

**DIGITAL LOG (785) 625-3858**

15-065-23724-00-00

API No. Company **H & M Petroleum Corp.**

Well **Betty Thunder #8**

Field **Wildcat**

County **Graham**

State

**Kansas**

Location

**E2 NE SE SE  
990' FSL / 100' FEL**

Other Services  
CNL / CDL  
DIL

Sec: **31**

Twp: **9S**

Rge: **24W**

Elevation

K.B. 2541  
D.F. 2536  
G.L. 2536

Permanent Datum

Ground Level

Elevation 2536

Log Measured From

Kelly Bushing

5 Ft. Above Perm. Datum

Drilling Measured From

Kelly Bushing

Date

3/18/2011

Run Number

Two

Depth Driller

4150

Depth Logger

4148

Bottom Logged Interval

4147

Top Log Interval

3400

Casing Driller

8.625 @ 220

Casing Logger

220

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

1500

Density / Viscosity

9.1

55

pH / Fluid Loss

10.5

6.8

Source of Sample

Flowline

Rm @ Meas. Temp

1.30 @ 55

Rmf @ Meas. Temp

0.98 @ 55

Rmc @ Meas. Temp

1.76 @ 55

Source of Rmf / Rmc

Charts

Rm @ BHT

0.60 @ 120

Operating Rig Time

4 Hours

Max Rec. Temp. F

120

Equipment Number

17

Location

Hays

Recorded By

R. Barnhart

Witnessed By

Richard Hall

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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

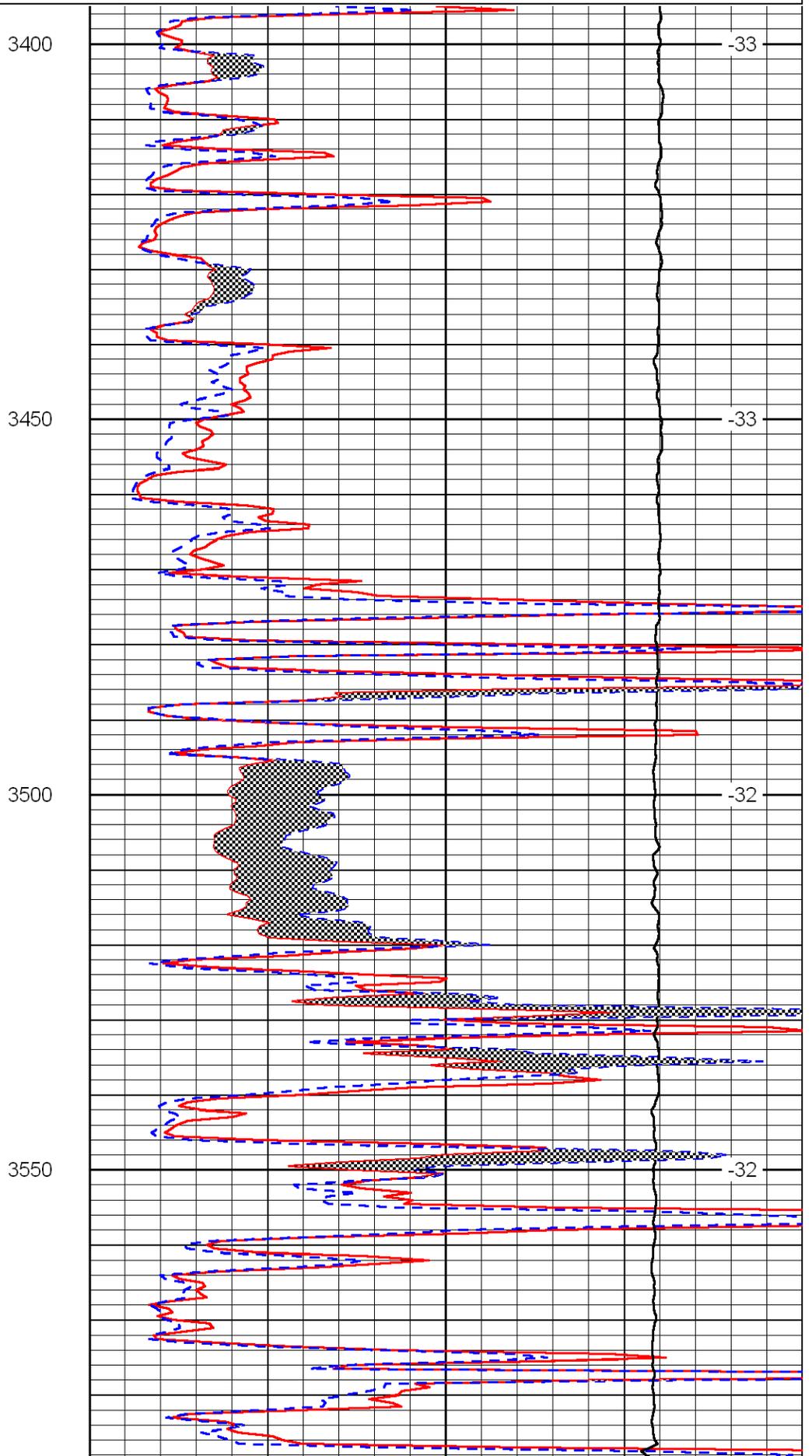
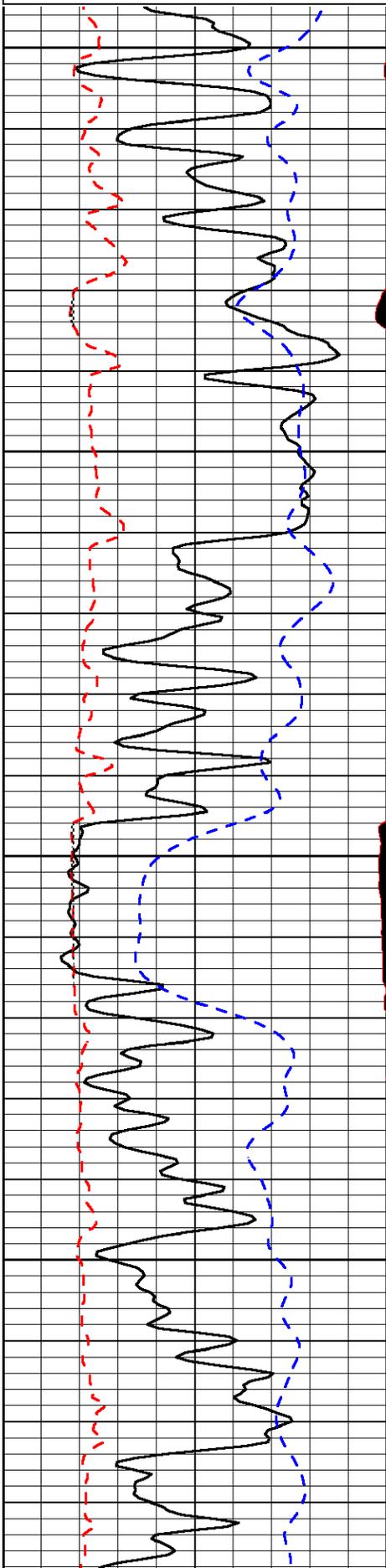
Thank you for using Log-Tech, Inc.  
(785) 625-3858

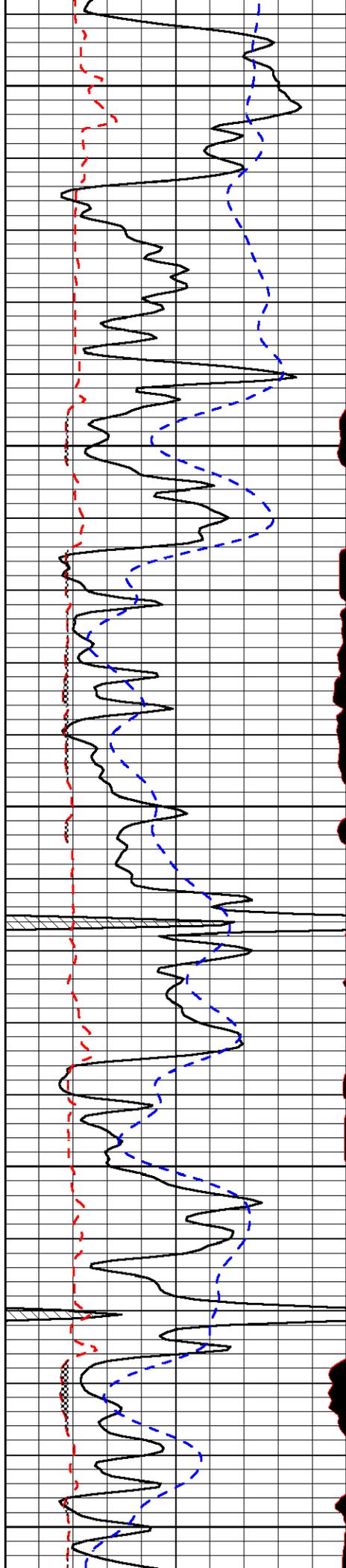
Wakeeney, KS:  
N to Redline Rd., 9W,  
3/4S, W into

Database File: hm\_bettyhd.db  
Dataset Pathname: dil/hmmain  
Presentation Format: micro  
Dataset Creation: Fri Mar 18 10:43:30 2011  
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	0

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





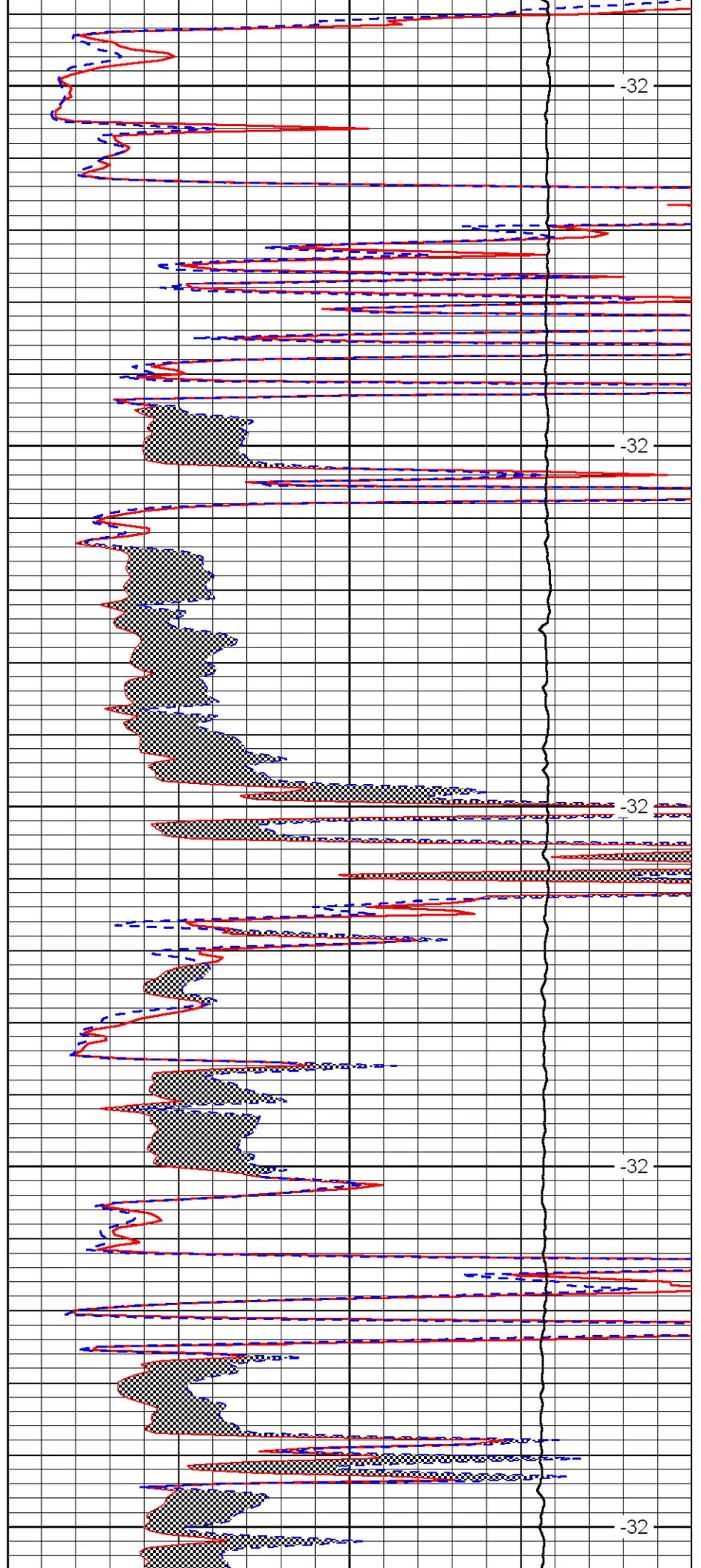
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3650

3700

3750

3800



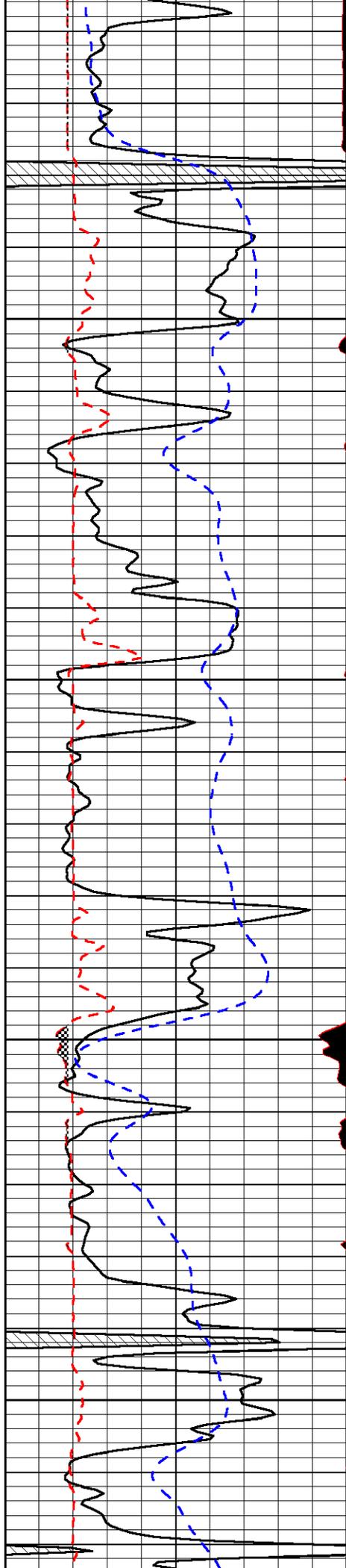
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-32

-32

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-32

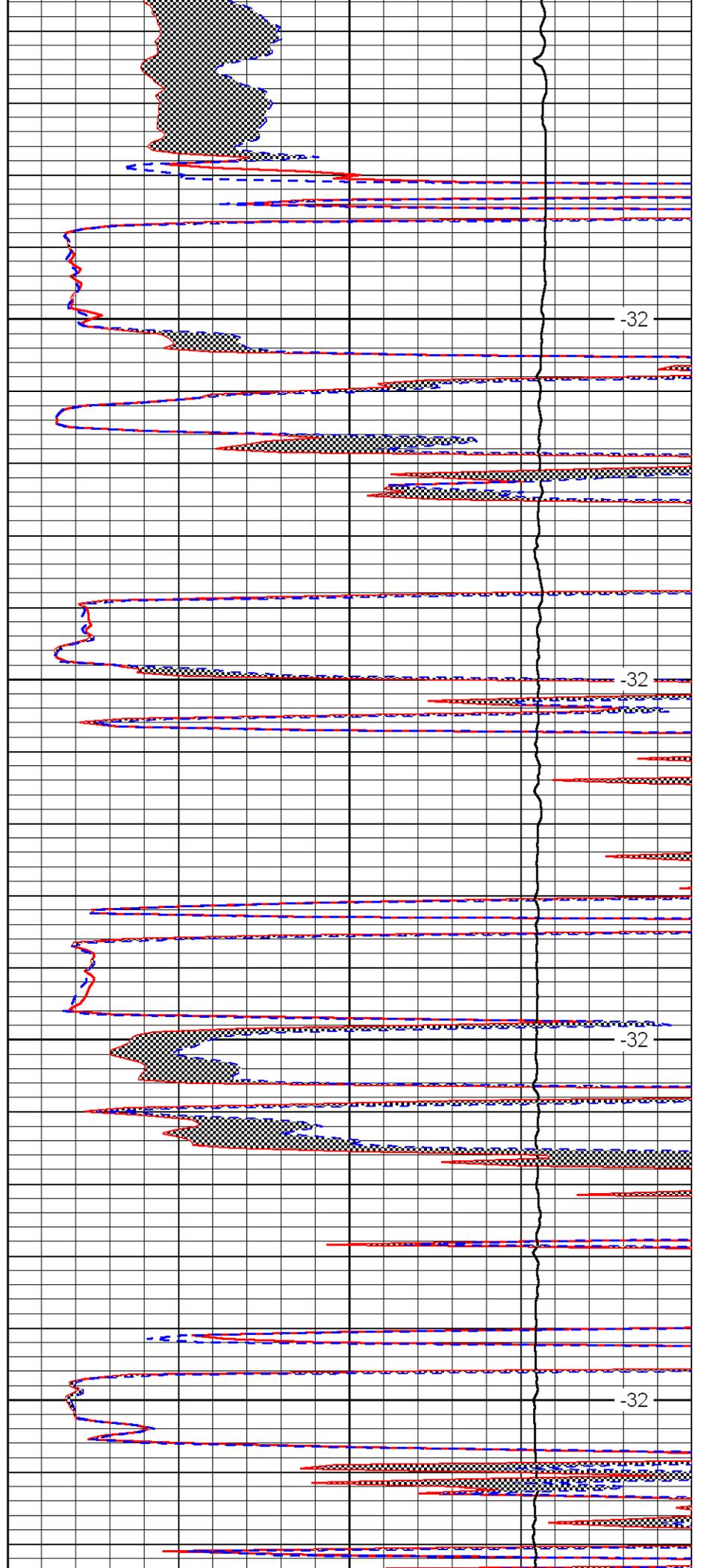


3850

3900

3950

4000

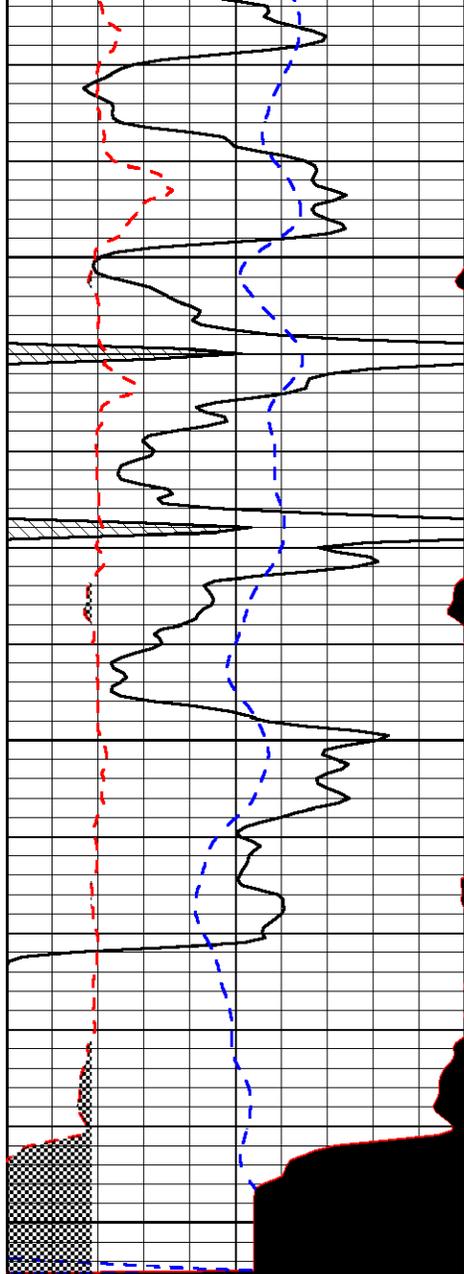


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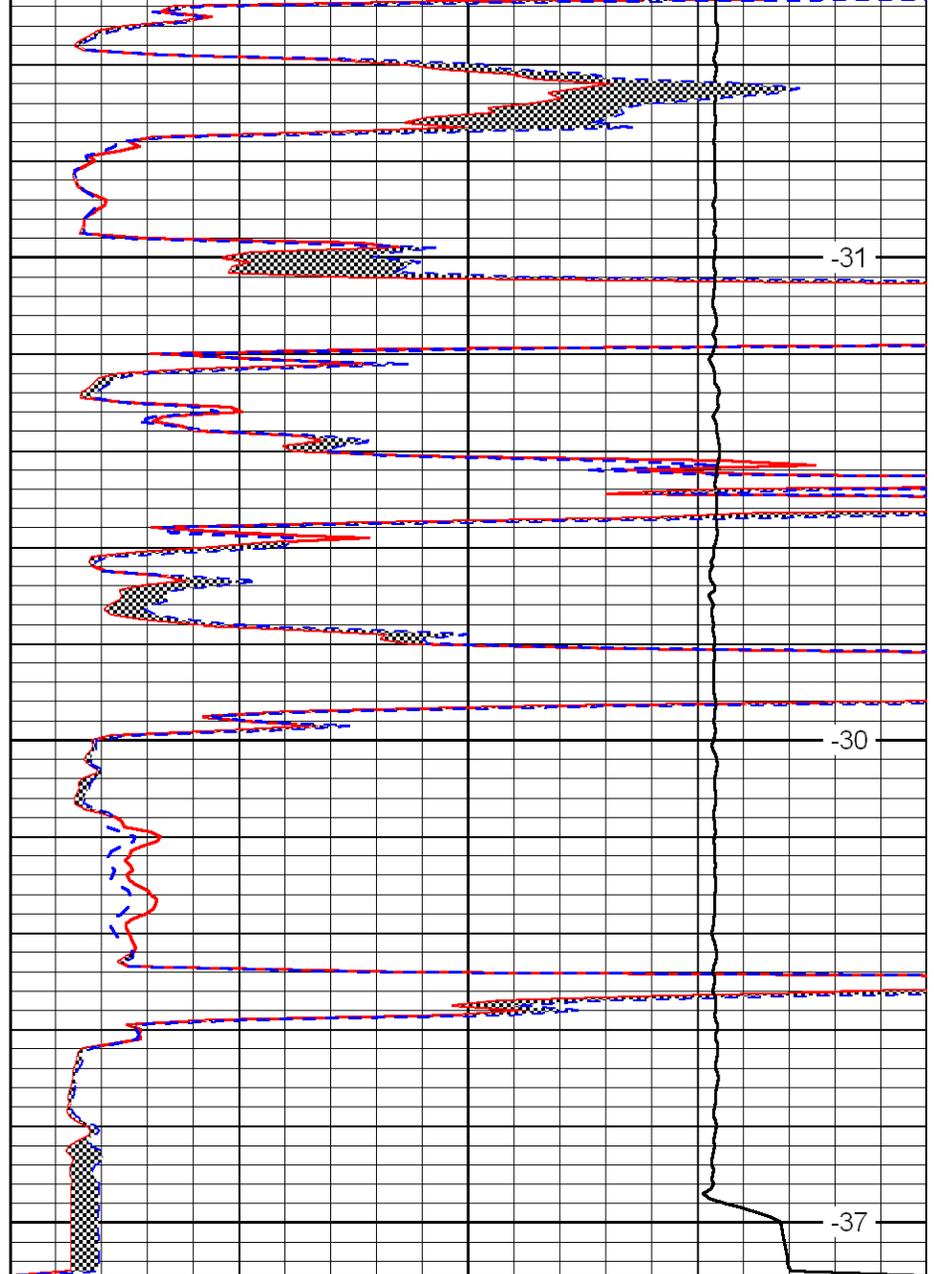


0	Gamma Ray	150
6	MCAL (GAPI)	16
2.875	Mud Cake (GAPI)	7.875
-200	SP	0

4050

4100

4150



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

LSPD

-31

-30

-37