



Pioneer Energy Services

# Microresistivity Log

API No.

15-009-26031-00-00

Company CG Oil, Inc.

Well JMR #3

Field Trapp

County Barton

State

Kansas

Location

2225' FNL & 2310' FEL

Sec: 28

Twp: 16S

Rge: 13W

Elevation

Permanent Datum Ground Level Elevation 1978  
Log Measured From Kelly Bushing 9 Ft. Above Perm. Datum  
Drilling Measured From Kelly Bushing

K.B. 1987  
D.F. 1978  
G.L. 1978

Date

10/24/2014

Run Number

One

Depth Driller

3500

Depth Logger

3501

Bottom Logged Interval

3500

Top Log Interval

2800

Casing Driller

8.625 @ 1016

Casing Logger

1016

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

8000

Density / Viscosity

9.3 52

pH / Fluid Loss

9.5 9.6

Source of Sample

Flowline

Rm @ Meas. Temp

0.39 @ 63

Rmf @ Meas. Temp

0.29 @ 63

Rmc @ Meas. Temp

0.53 @ 63

Source of Rmf / Rmc

Charts

Rm @ BHT

0.22 @ 111

Operating Rig Time

3 Hours

Max Rec. Temp. F

111

Equipment Number

91

Location

Hays

Recorded By

D. Schmidt

Witnessed By

Ron Schmidtberger

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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

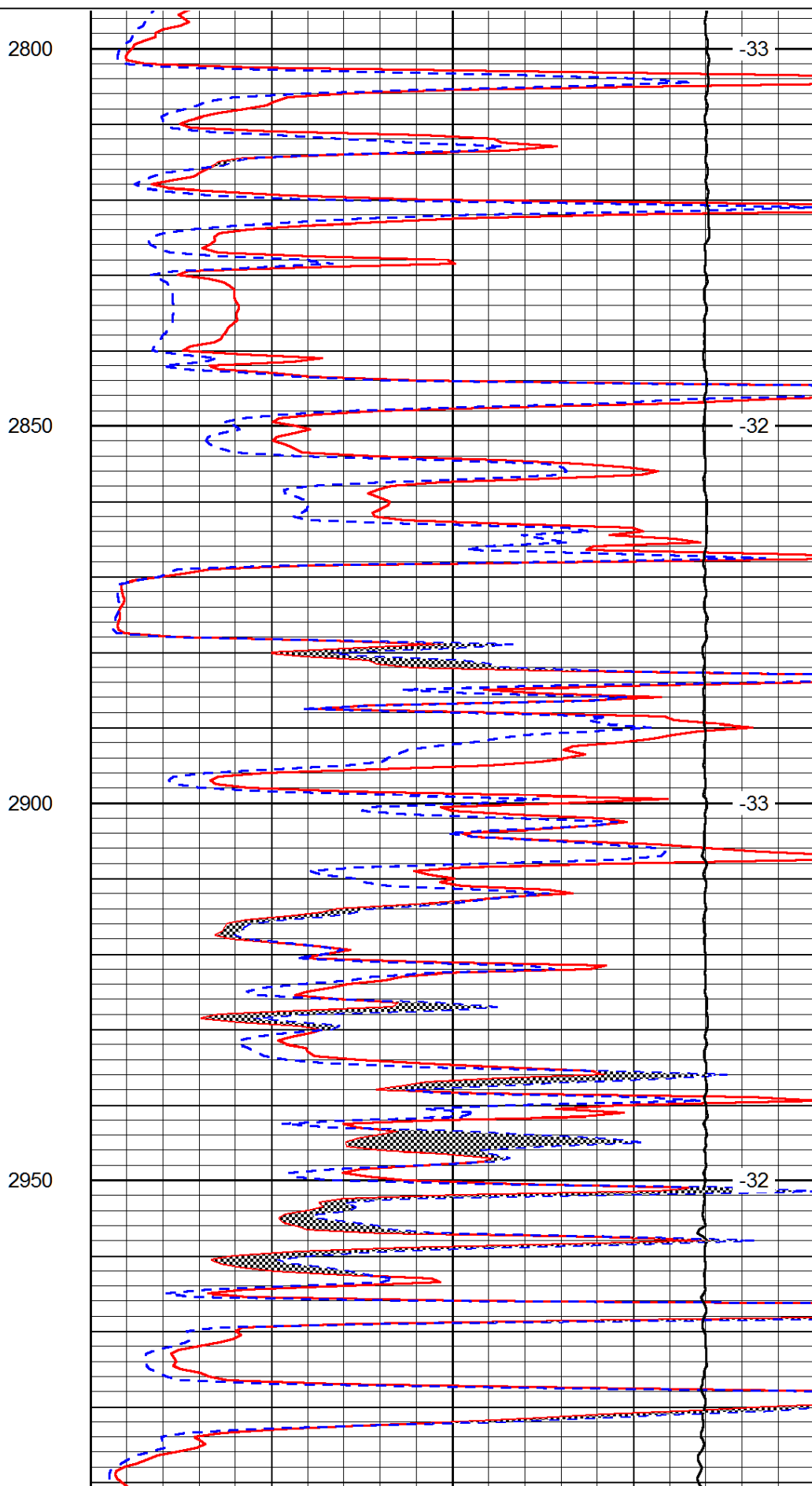
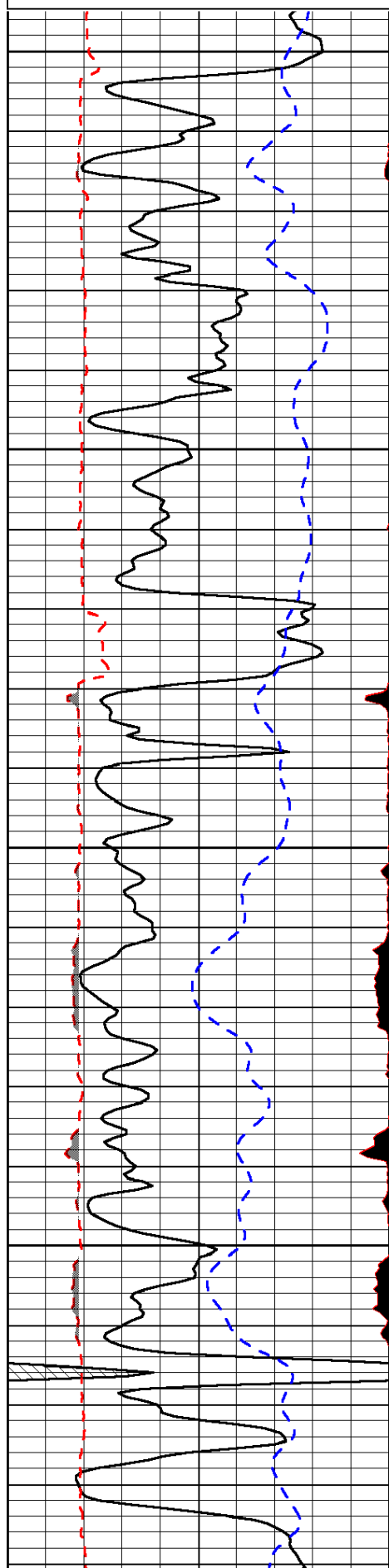
Susank,  
1/2 East, South into

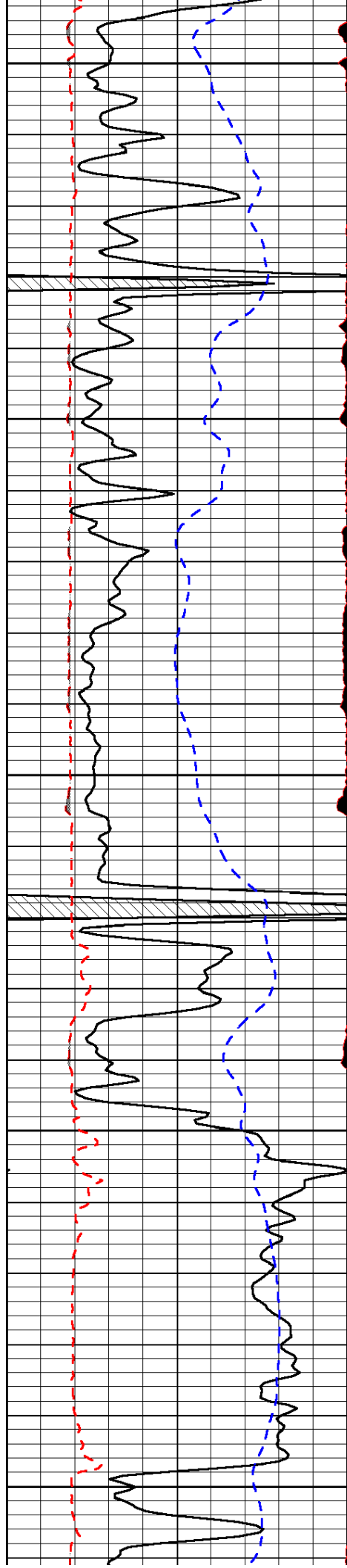
Database File: cg\_jmr\_3hd.db  
Dataset Pathname: dil/cgstkml  
Presentation Format: micro  
Dataset Creation: Fri Oct 24 18:03:45 2014  
Charted by: Depth in Feet scaled 1:240

|       |                 |       |
|-------|-----------------|-------|
| 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





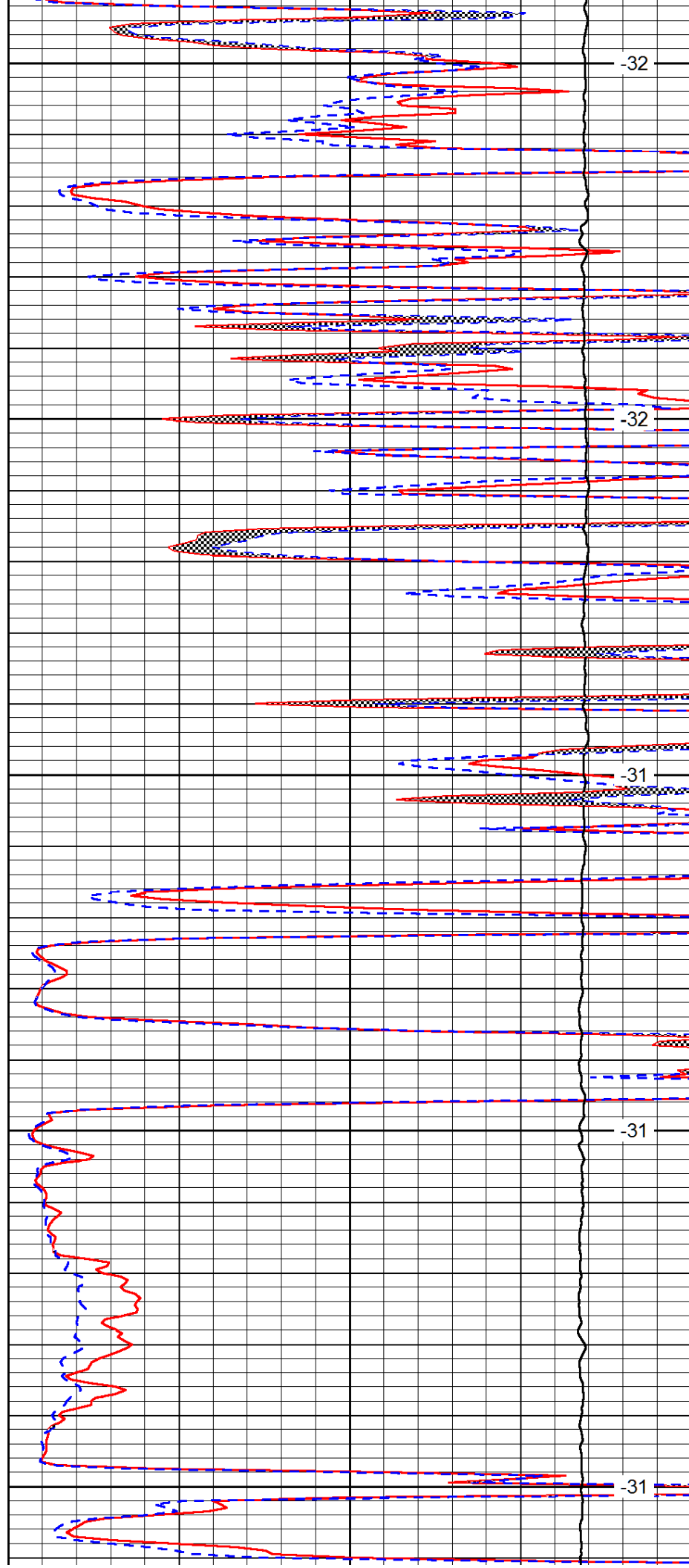
3000

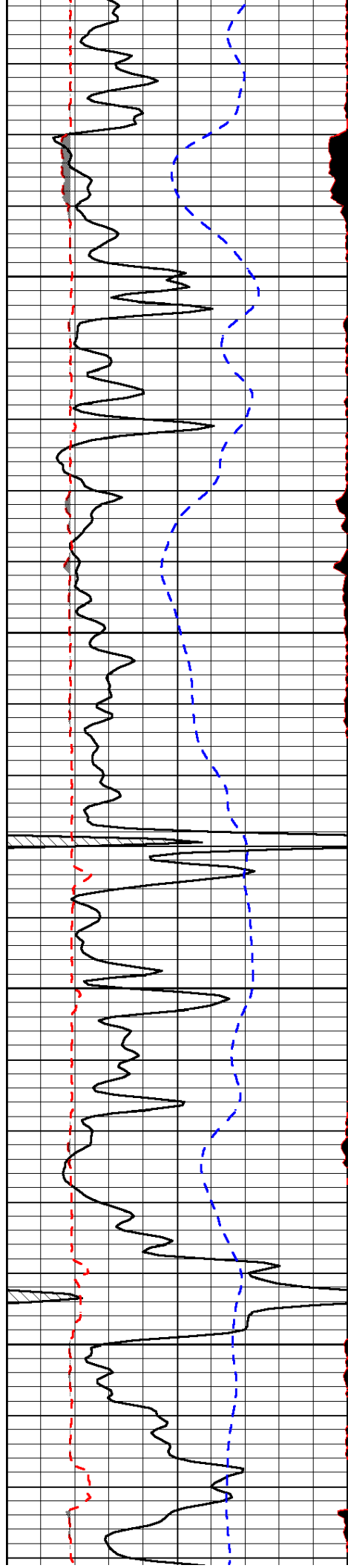
3050

3100

3150

3200



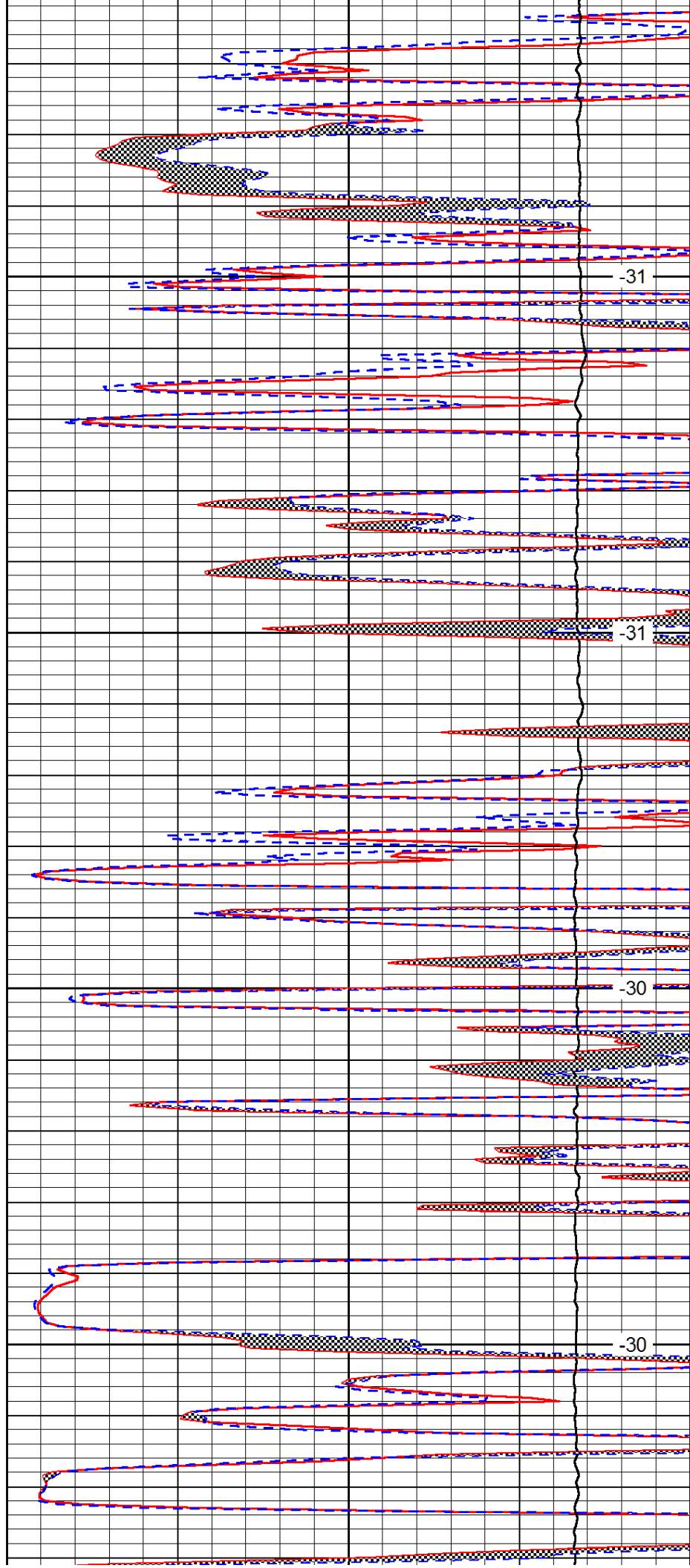


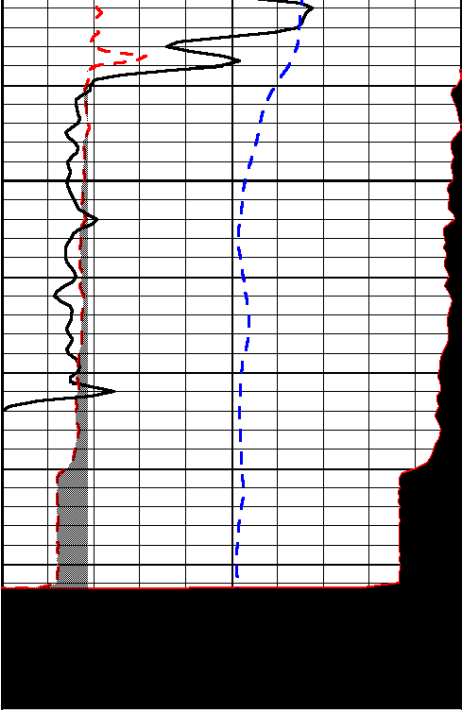
3250

3300

3350

3400

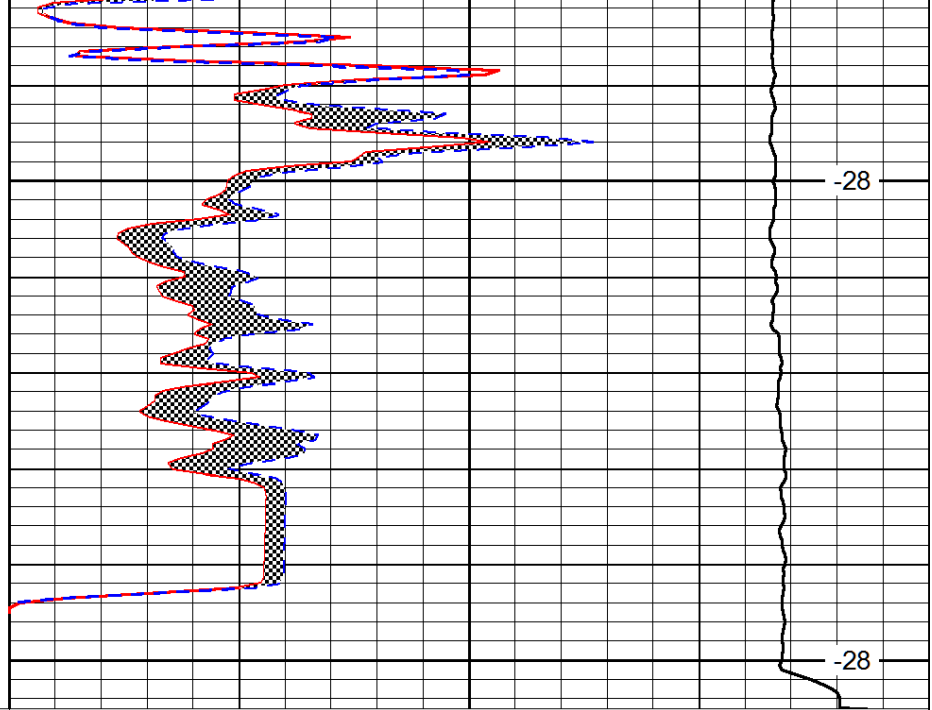




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