



Pioneer Energy Services

# Radiation Guard Log

15-051-26326-00-00

API No.

Company WM KS Energy Resources, LLC

Well Wasinger C#1

Field Bemis-Shutts

County Ellis State

Kansas

Location 330' FNL & 330' FEL

Other Services  
Caliper

Sec: 28 Twp: 11S Rge: 18W

Permanent Datum Ground Level Elevation 1994

Log Measured From Kelly Bushing 8.6 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

Elevation

K.B. 2002.6

D.F. 1994

Date 8/26/2012

Run Number One

Depth Driller 3620

Depth Logger 3621

Bottom Logged Interval 3620

Top Log Interval 200

Casing Driller 8.625 @ 255

Casing Logger 248

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 4000

Density / Viscosity 9.2 51

pH / Fluid Loss 10.5 7.8

Source of Sample Flowline

Rm @ Meas. Temp 0.50 @ 80

Rmf @ Meas. Temp 0.38 @ 80

Rmc @ Meas. Temp 0.68 @ 80

Source of Rmf / Rmc Charts

Rm @ BHT 0.35 @ 114

Operating Rig Time 3 Hours

Max Rec. Temp. F 114

Equipment Number 91

Location Hays

Recorded By D. Schmidt

Witnessed By Bill Robinson

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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.

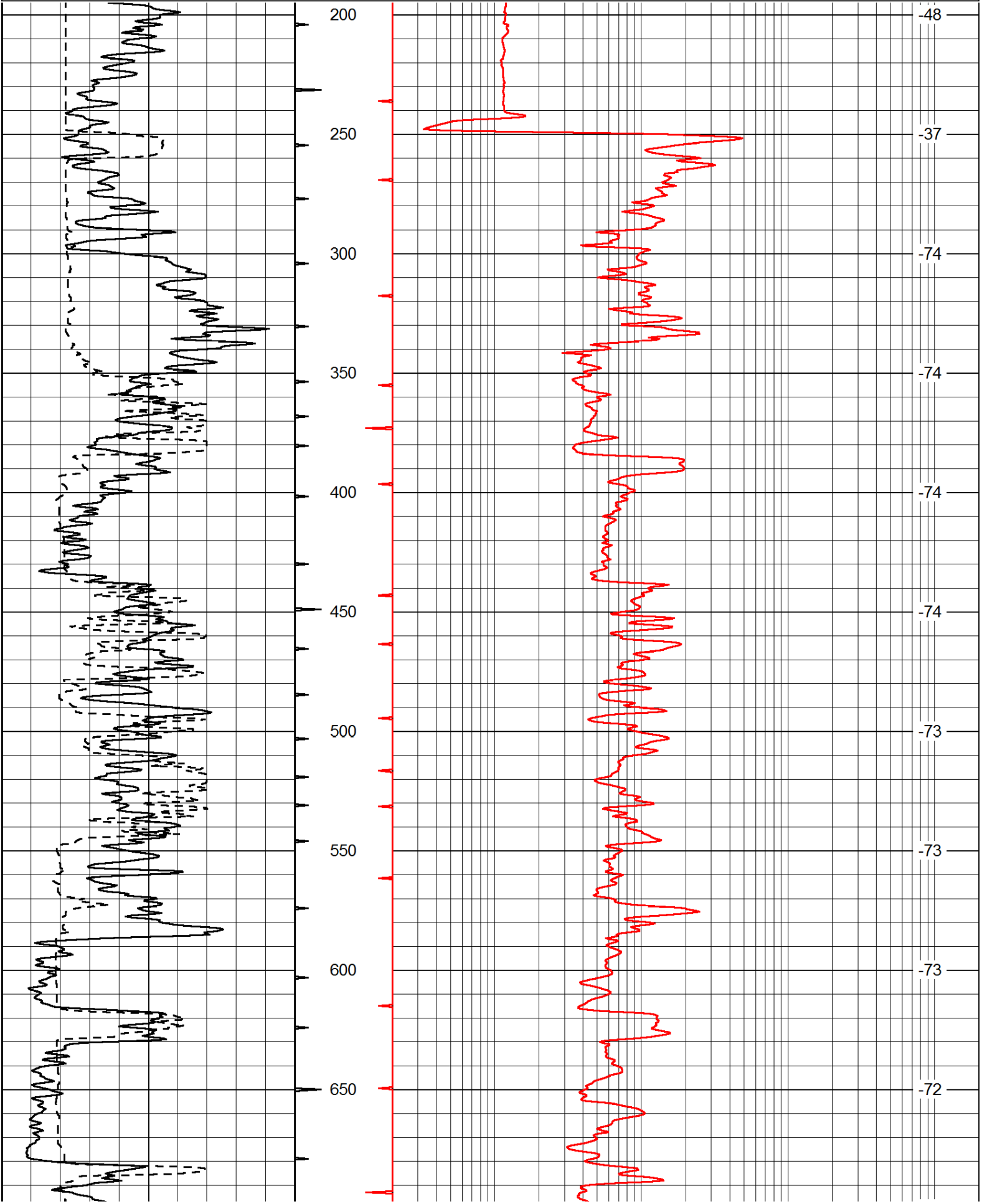
## Comments

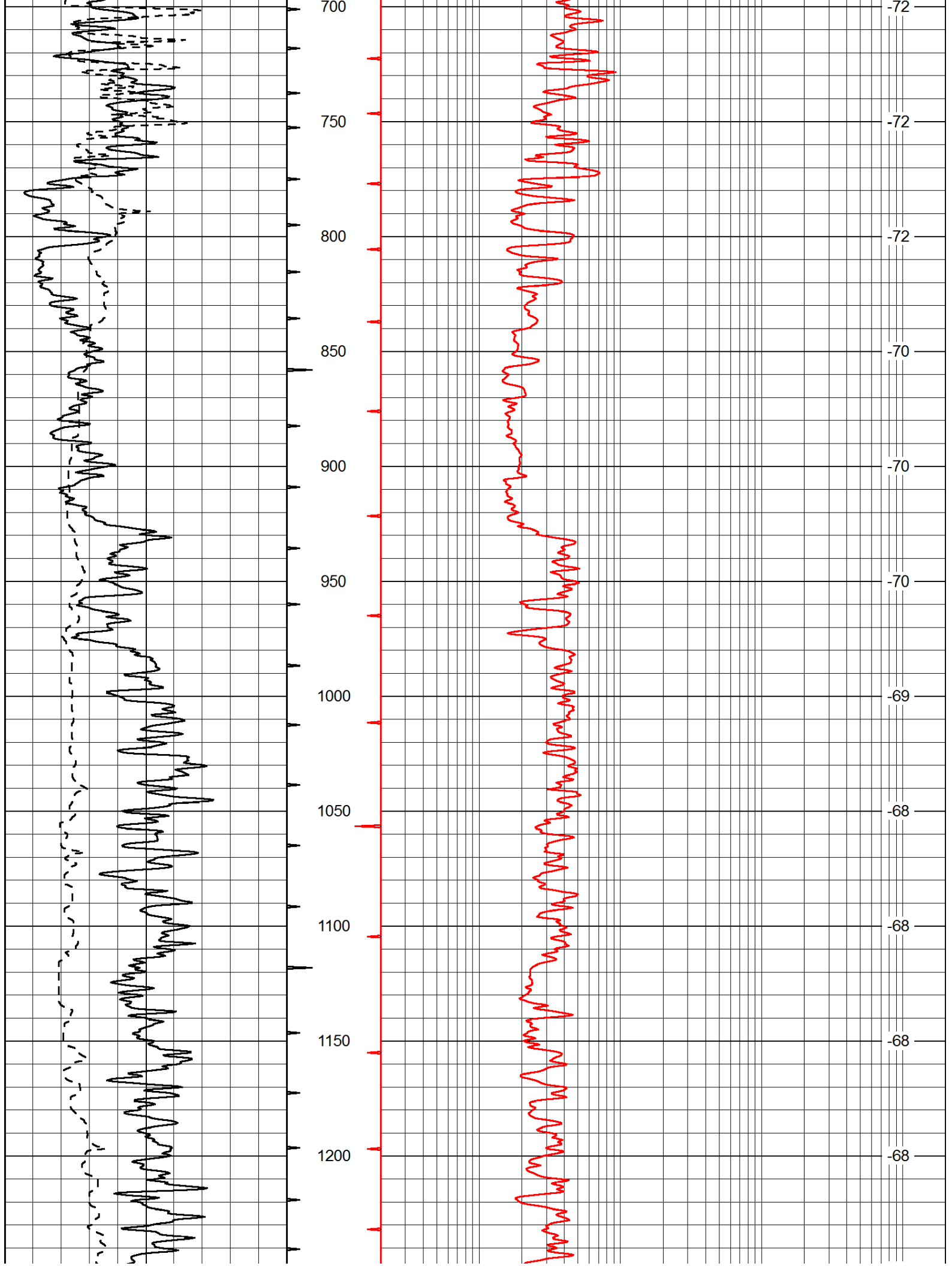
Thank you for using Pioneer Energy Services  
www.pioneerres.com  
785 625 3858  
Hays,  
North to Dean Hill Rd,  
West & North to location

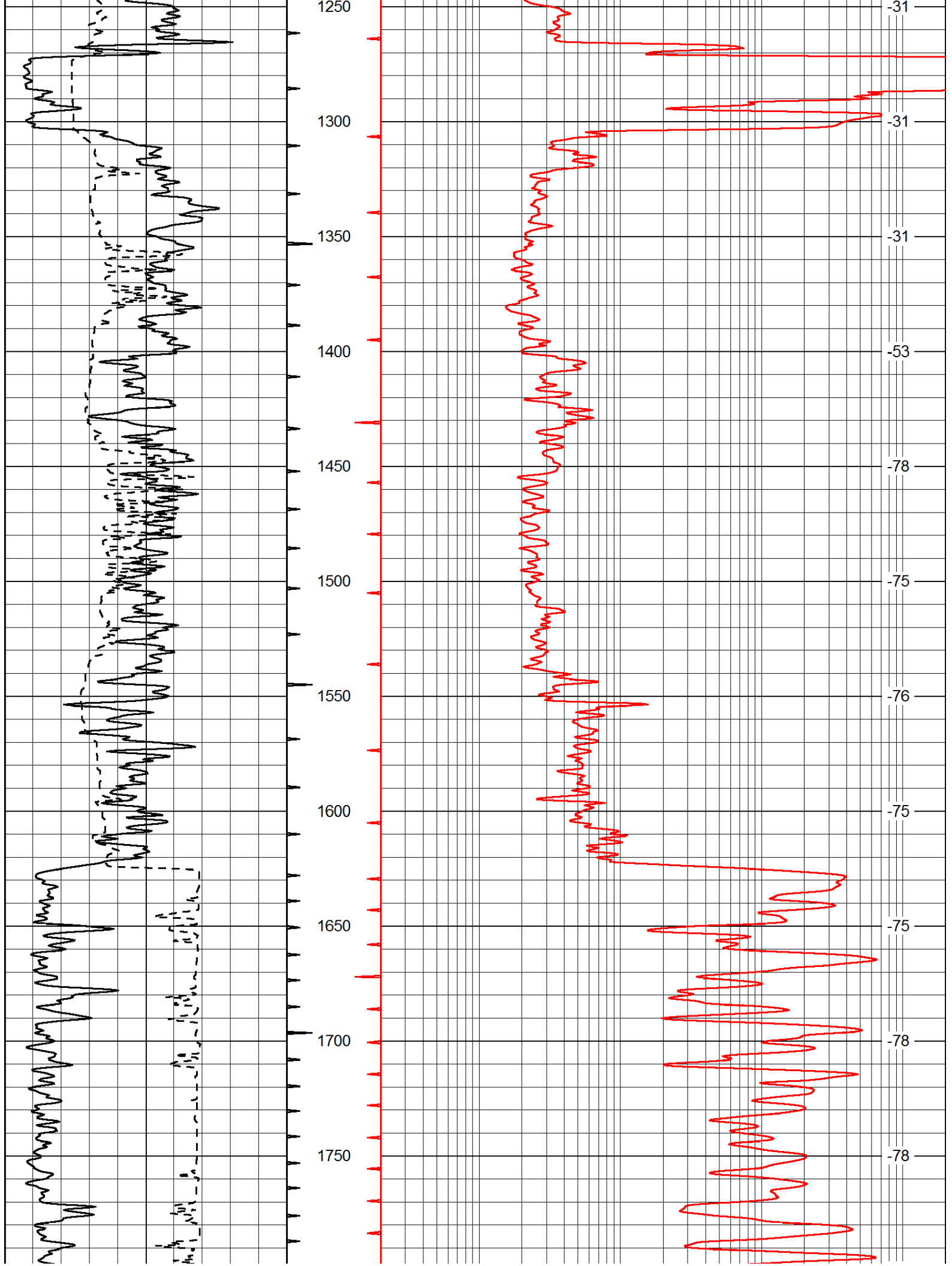
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Dataset Creation: Sun Aug 26 14:55:58 2012  
Charted by: Depth in Feet scaled 1:600

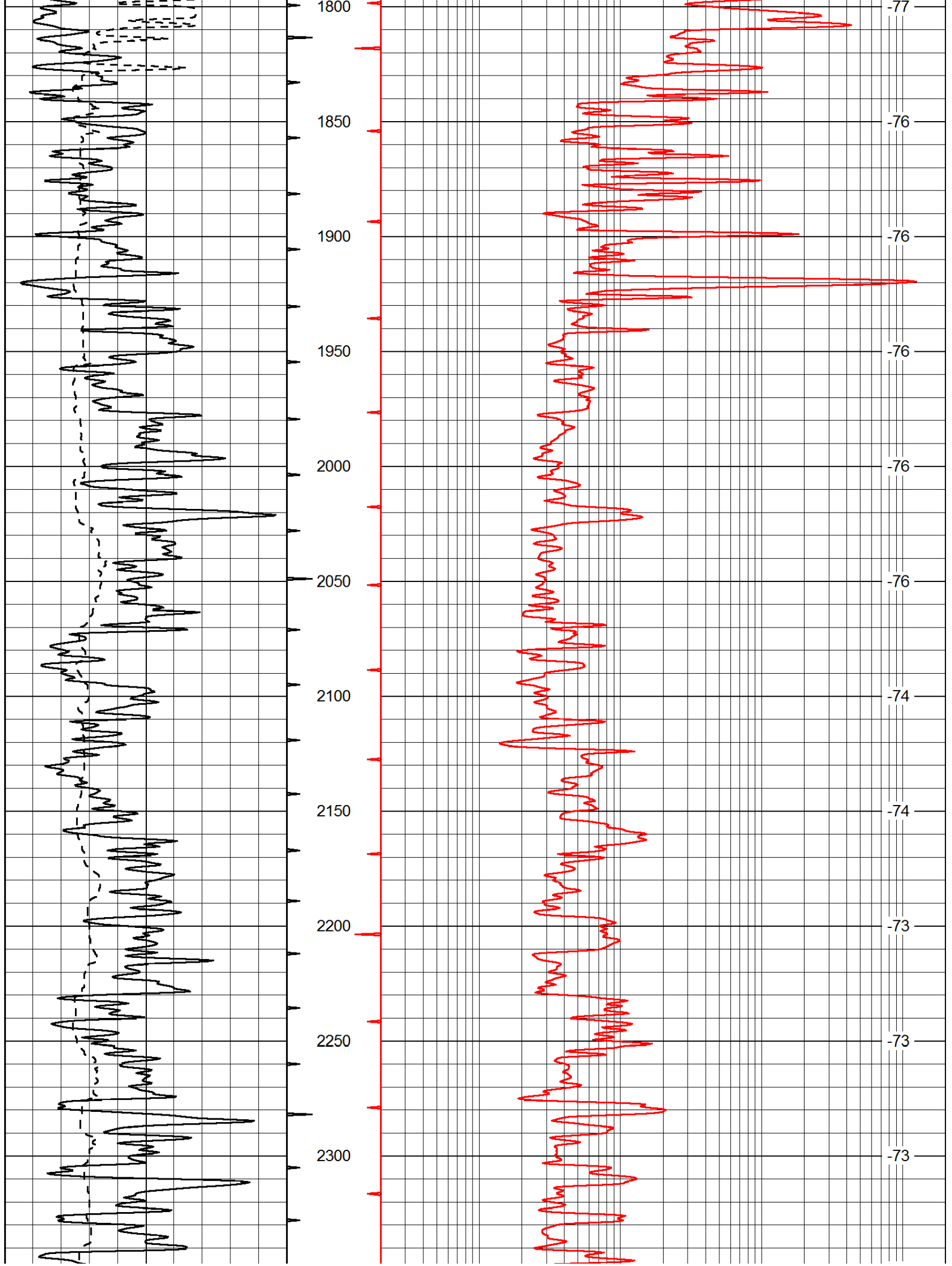
|                                        |             |     |
|----------------------------------------|-------------|-----|
| Charted by: Depth in Feet scaled 1:500 |             |     |
| 0                                      | Gamma Ray   | 150 |
| 6                                      | scal (GAPI) | 16  |
| -----                                  |             |     |

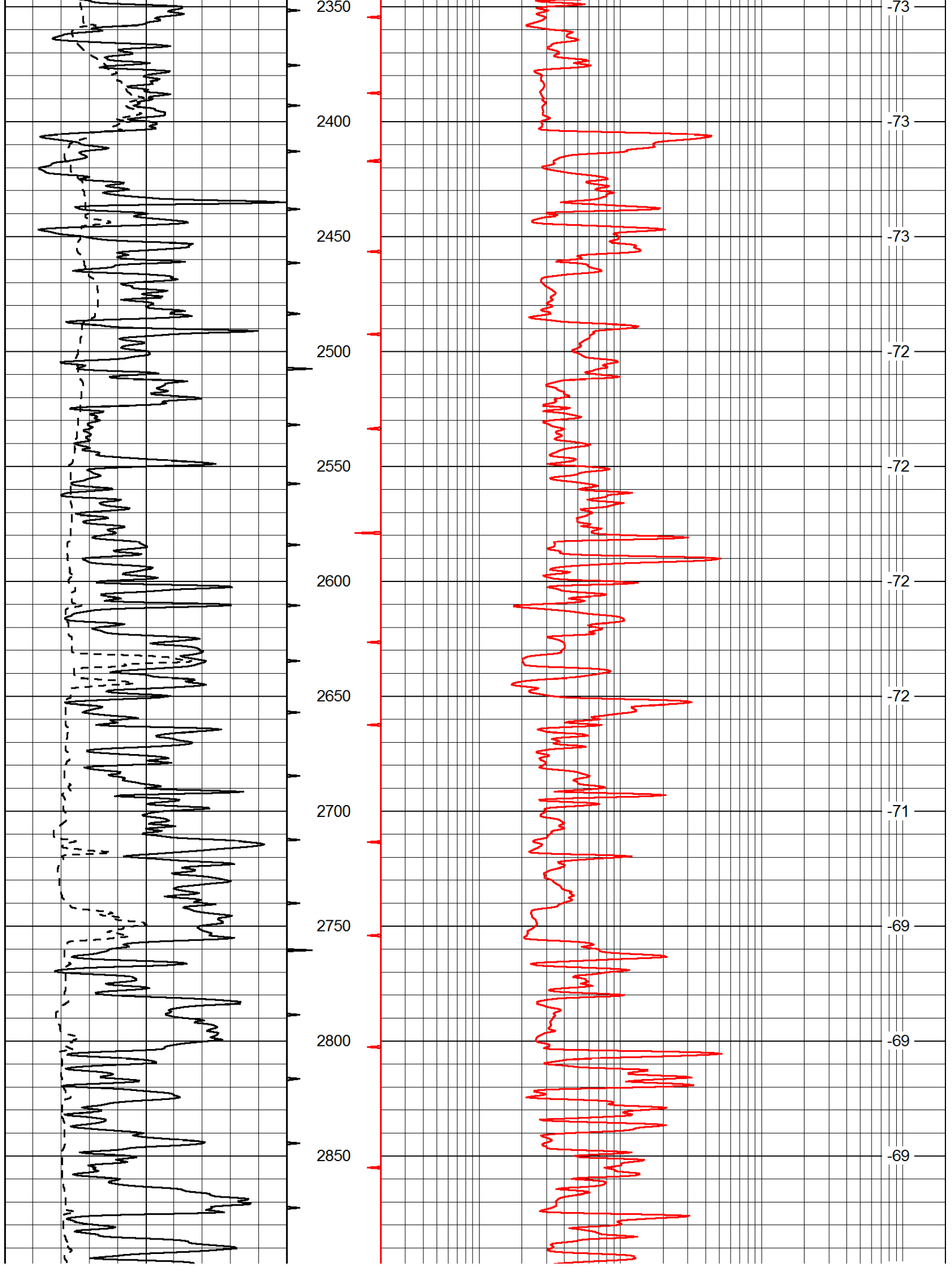
|     |      |      |
|-----|------|------|
| 0.2 | lgrd | 2000 |
|     |      | LSPD |

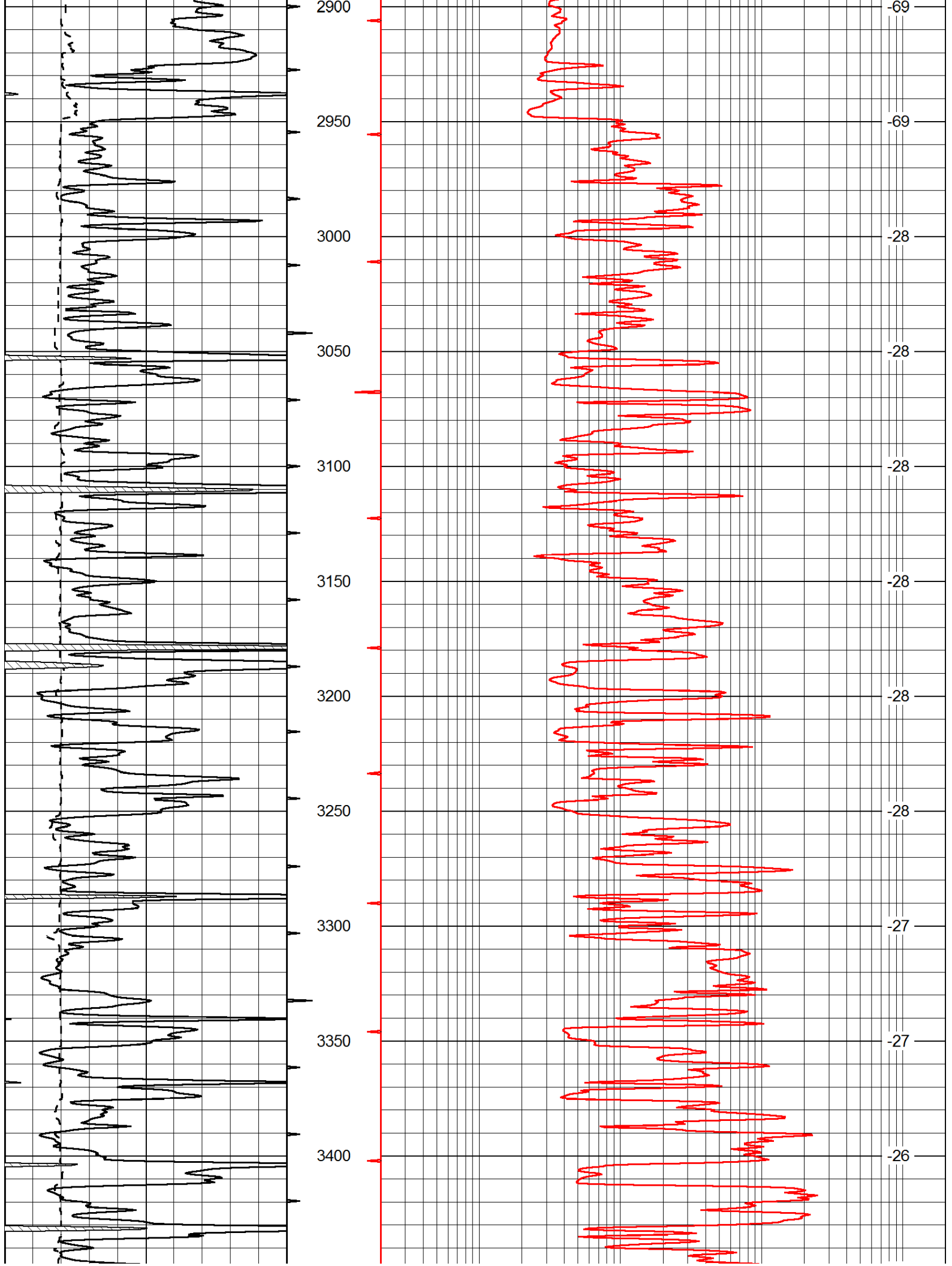


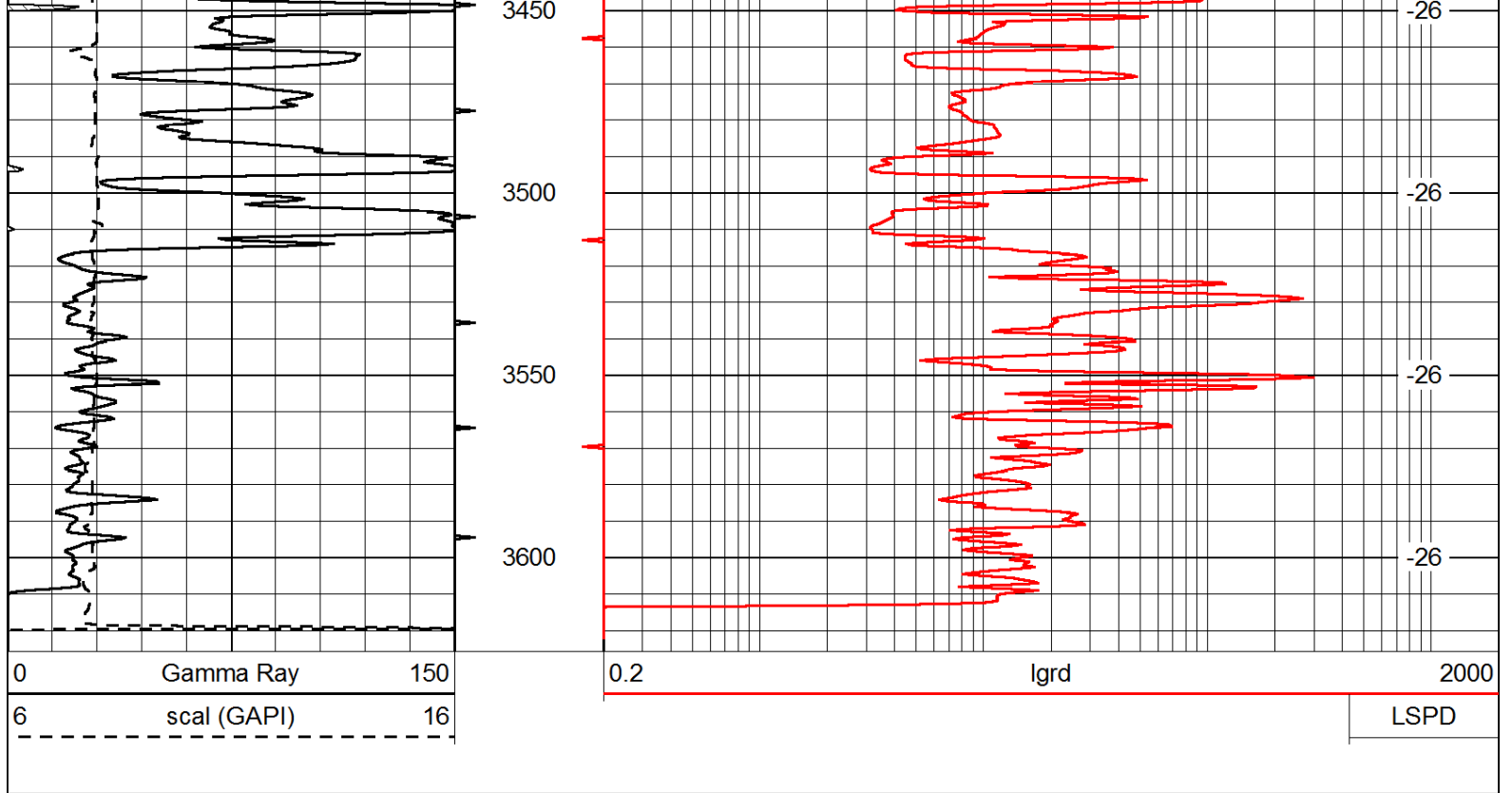




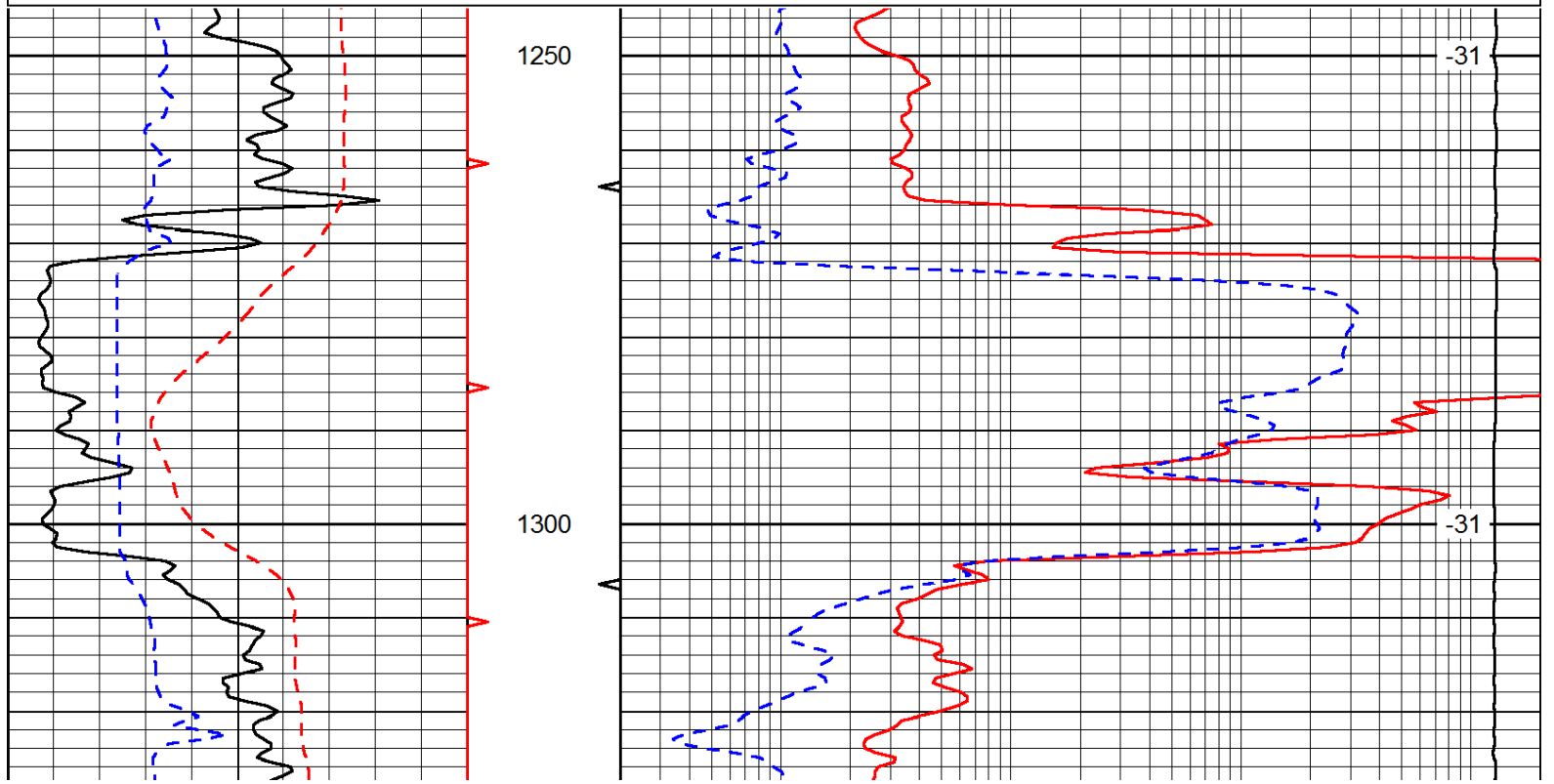
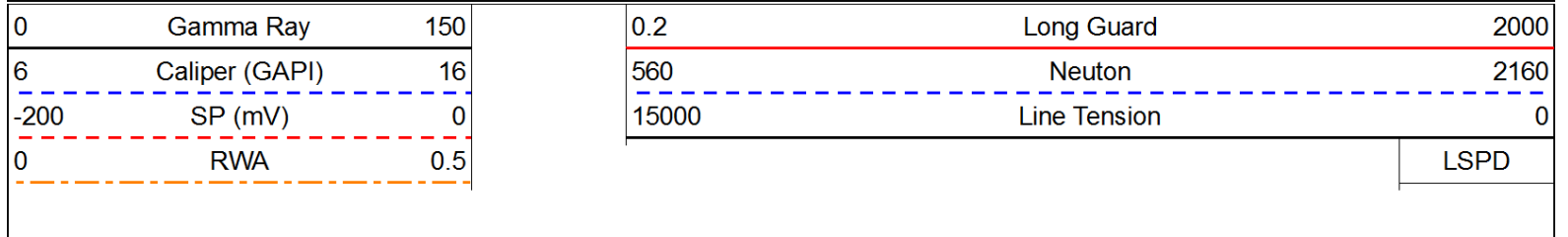




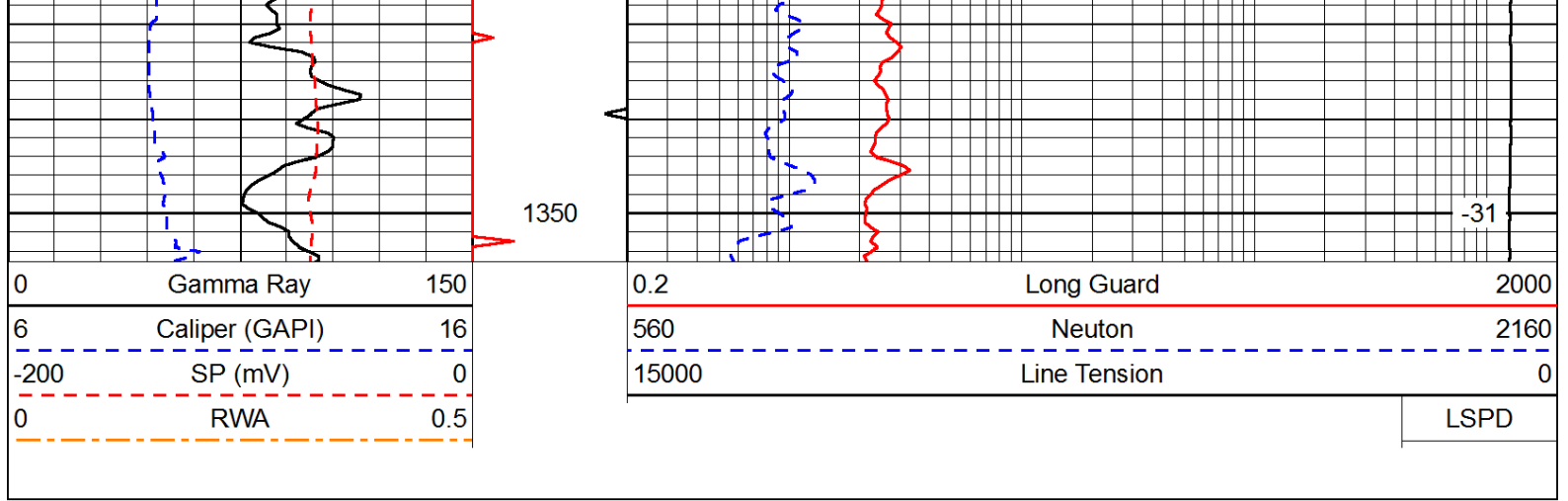




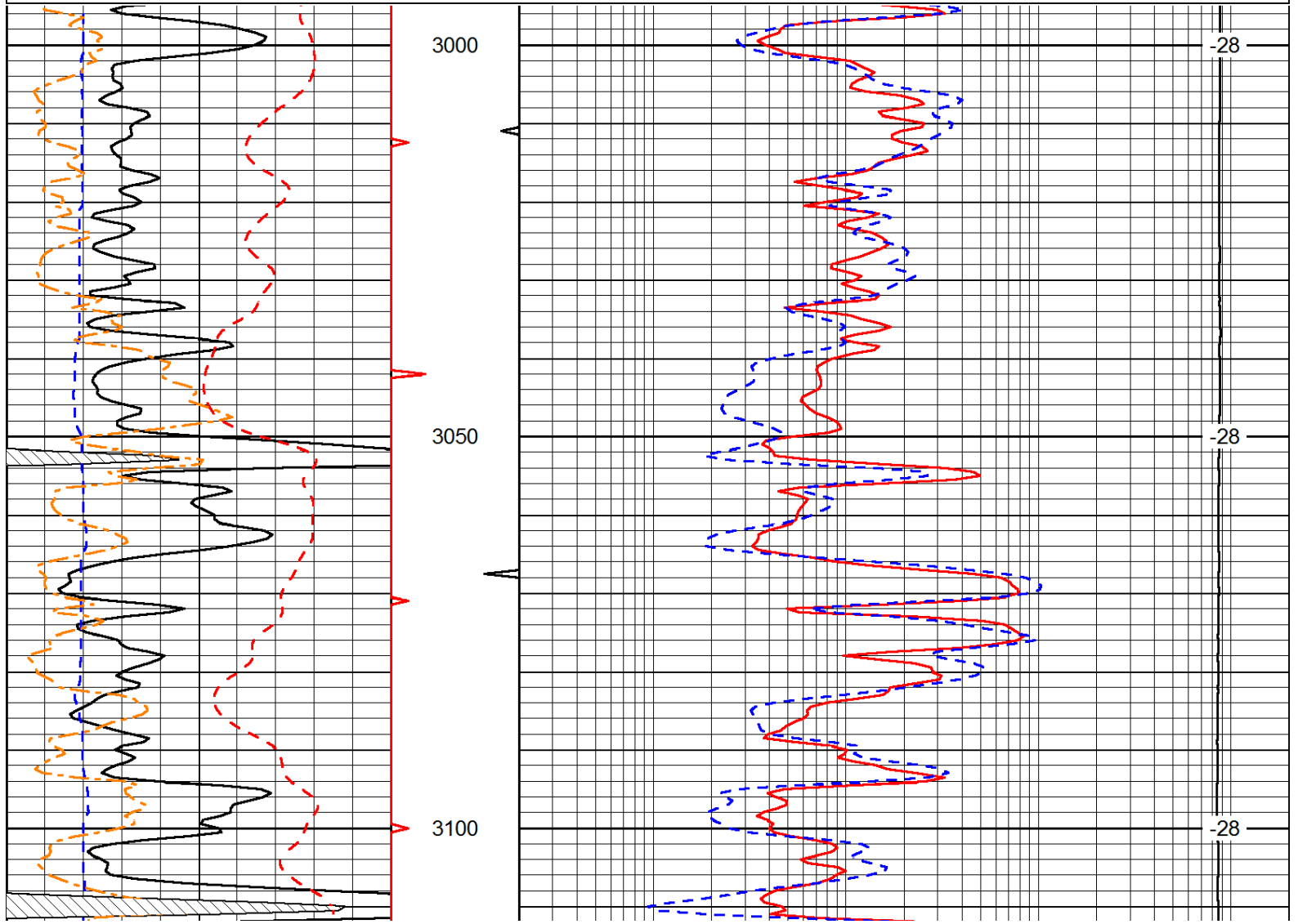
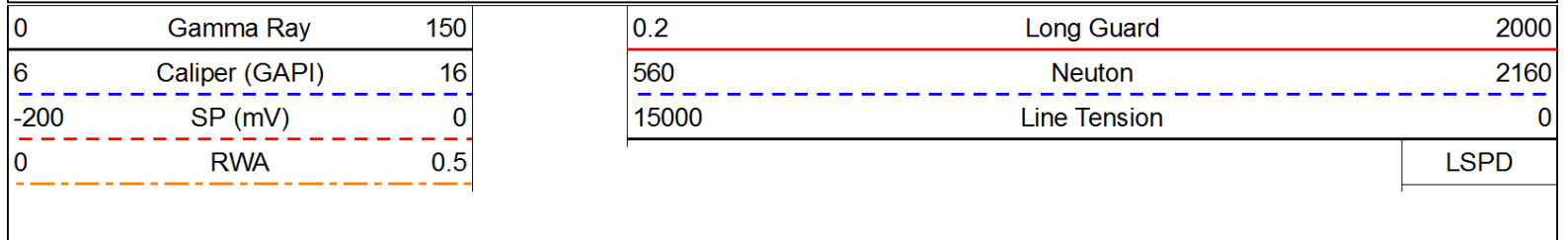
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 Charted by: Depth in Feet scaled 1:240

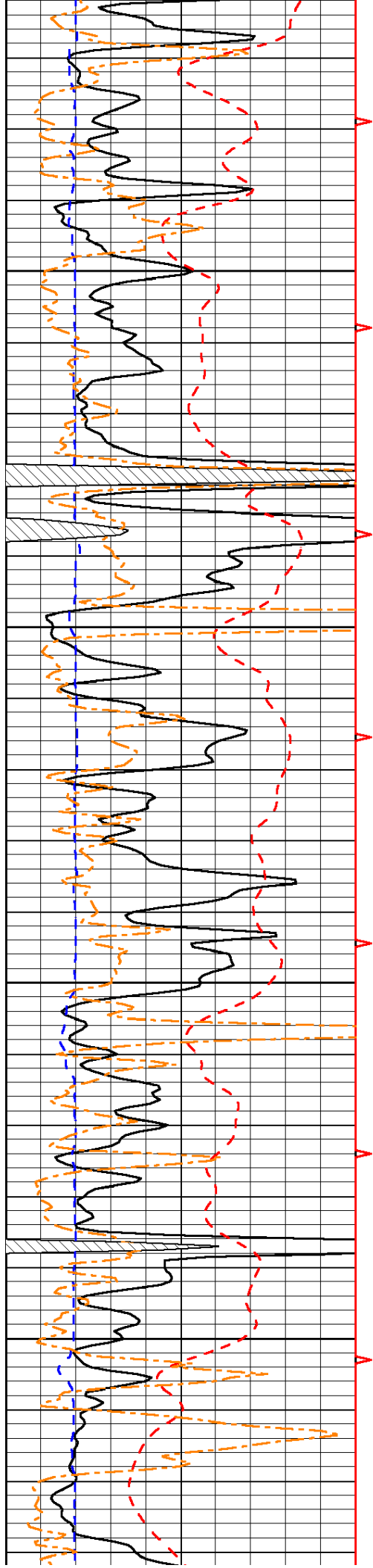






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Dataset Creation: Sun Aug 26 14:55:58 2012  
Charted by: Depth in Feet scaled 1:240



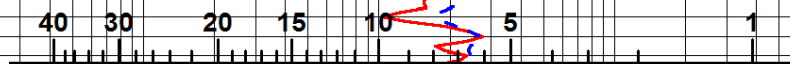


3150

3200

3250

3300



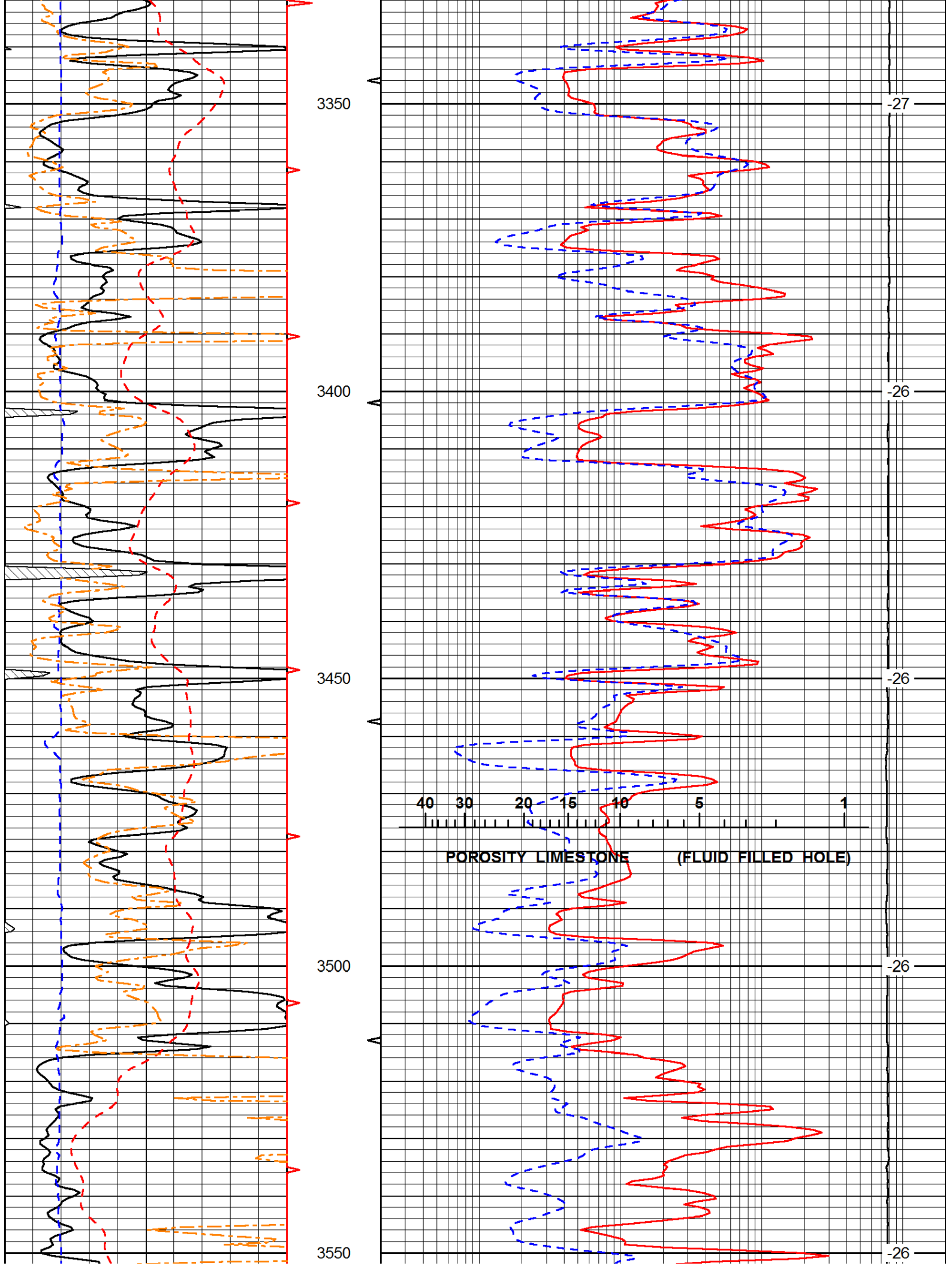
POROSITY LIMESTONE (FLUID FILLED HOLE)

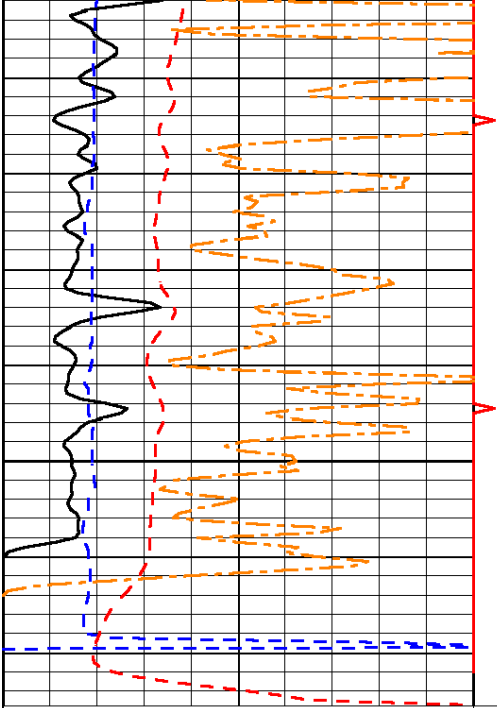
-28

-28

-28

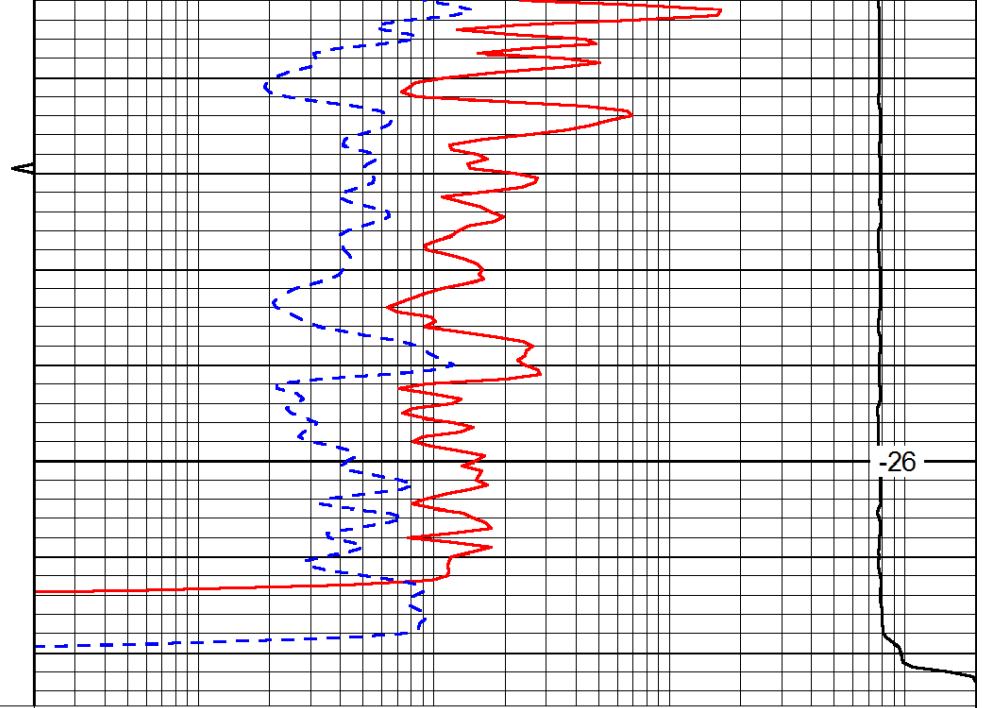
-27





3600

|      |                |     |
|------|----------------|-----|
| 0    | Gamma Ray      | 150 |
| 6    | Caliper (GAPI) | 16  |
| -200 | SP (mV)        | 0   |
| 0    | RWA            | 0.5 |



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|       |              |      |
|-------|--------------|------|
| 0.2   | Long Guard   | 2000 |
| 560   | Neutron      | 2160 |
| 15000 | Line Tension | 0    |
|       |              | LSPD |