



# Radiation Guard Log

DIGITAL LOG (785) 625-3858

|                                         |                 |                                                  |  |
|-----------------------------------------|-----------------|--------------------------------------------------|--|
| API No.<br>15-167-23,552-00-00          |                 | Company<br>Russell Oil, Inc.                     |  |
| Well<br>Harlan Radke No. 1 - 30         |                 | Field<br>Boxberger Northeast                     |  |
| County<br>Russell                       |                 | State<br>Kansas                                  |  |
| Location<br>1670' FSL & 1520' FEL       |                 | Other Services<br>BHCS                           |  |
| Sec: 30 Twp: 15S Rge: 14W               |                 | Elevation<br>K.B. 1895<br>D.F. 1886<br>G.L. 1886 |  |
| Permanent Datum<br>Ground Level         |                 | Elevation 1886                                   |  |
| Log Measured From<br>Kelly Bushing      |                 | 9 Ft. Above Perm. Datum                          |  |
| Drilling Measured From<br>Kelly Bushing |                 |                                                  |  |
| Date                                    | 12/21/2008      |                                                  |  |
| Run Number                              | One             |                                                  |  |
| Depth Driller                           | 3442            |                                                  |  |
| Depth Logger                            | 3446            |                                                  |  |
| Bottom Logged Interval                  | 3445            |                                                  |  |
| Top Log Interval                        | 0               |                                                  |  |
| Casing Driller                          | 8.625 @ 285     |                                                  |  |
| Casing Logger                           | 284             |                                                  |  |
| Bit Size                                | 7.875           |                                                  |  |
| Type Fluid in Hole                      | Chemical        |                                                  |  |
| Salinity, ppm CL                        | 16,800          |                                                  |  |
| Density / Viscosity                     | 9.0 45          |                                                  |  |
| pH / Fluid Loss                         | 10.0 15.2       |                                                  |  |
| Source of Sample                        | Flowline        |                                                  |  |
| Rm @ Meas. Temp                         | .6 @ 55         |                                                  |  |
| Rmf @ Meas. Temp                        | .45 @ 55        |                                                  |  |
| Rmc @ Meas. Temp                        | .81 @ 55        |                                                  |  |
| Source of Rmf / Rmc                     | Charts          |                                                  |  |
| Rm @ BHT                                | .29 @ 112       |                                                  |  |
| Operating Rig Time                      | 3 Hours         |                                                  |  |
| Max Rec. Temp. F                        | 112             |                                                  |  |
| Equipment Number                        | 10              |                                                  |  |
| Location                                | Hays            |                                                  |  |
| Recorded By                             | Jason Wellbrock |                                                  |  |
| Witnessed By                            | Steve D Angle   |                                                  |  |

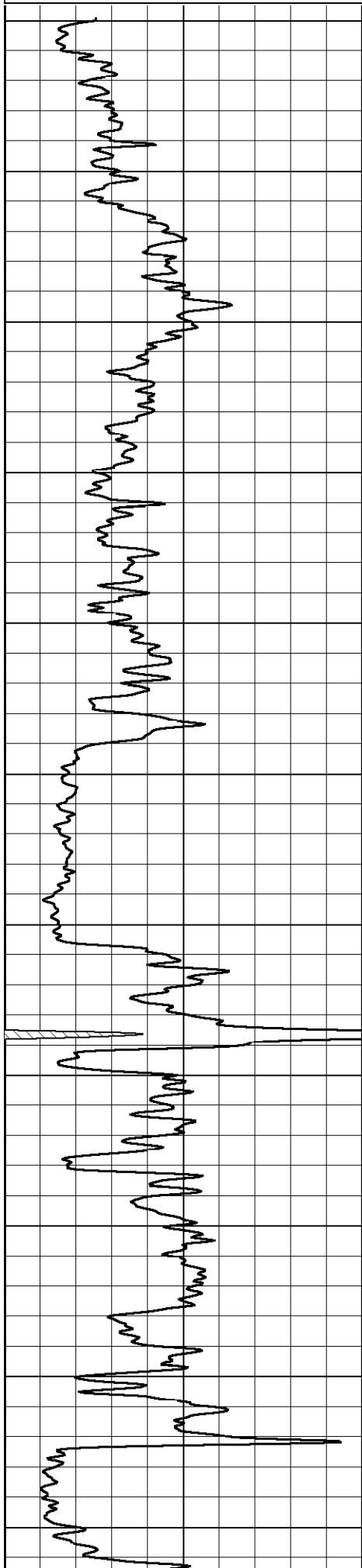
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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on 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.

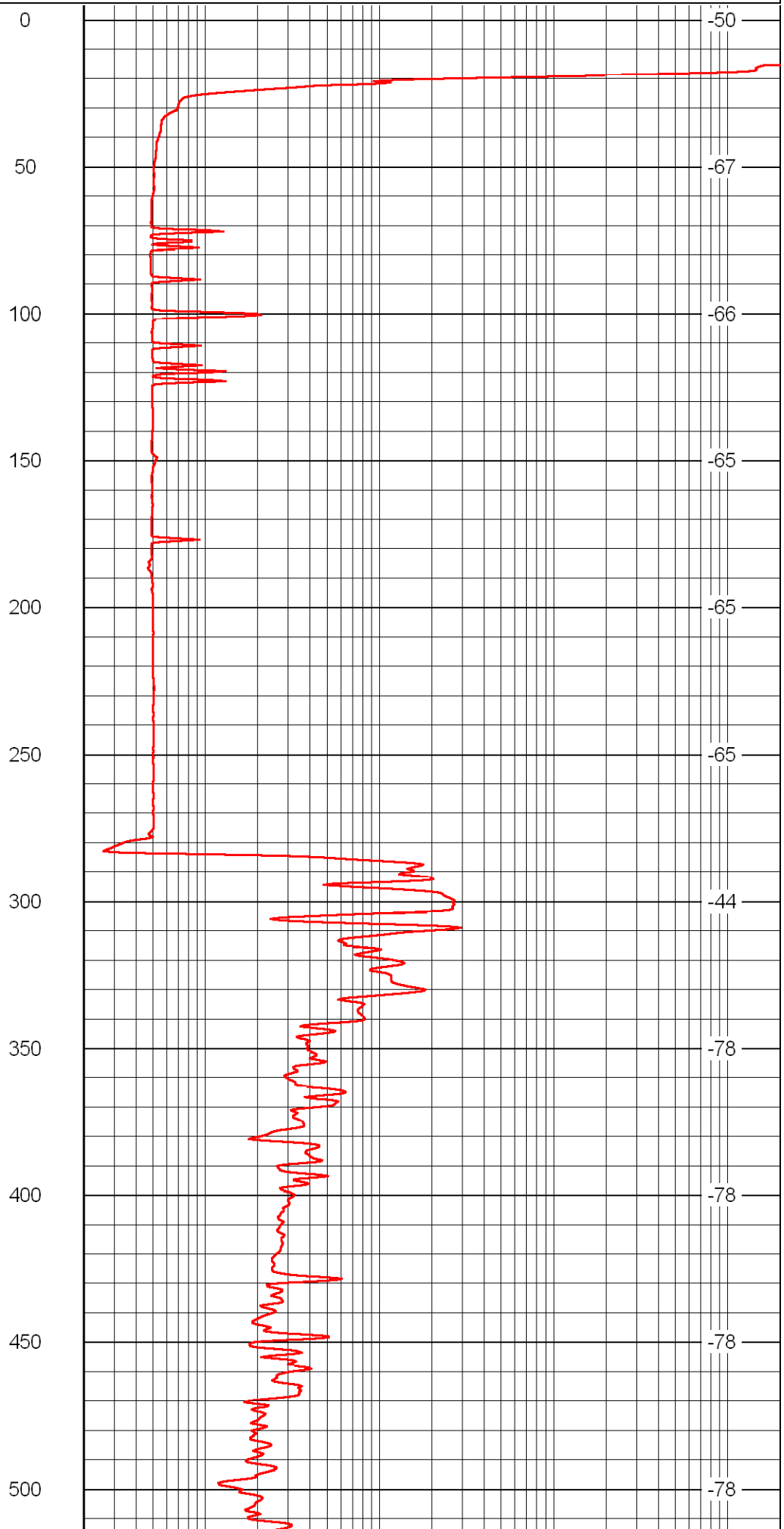
## Comments

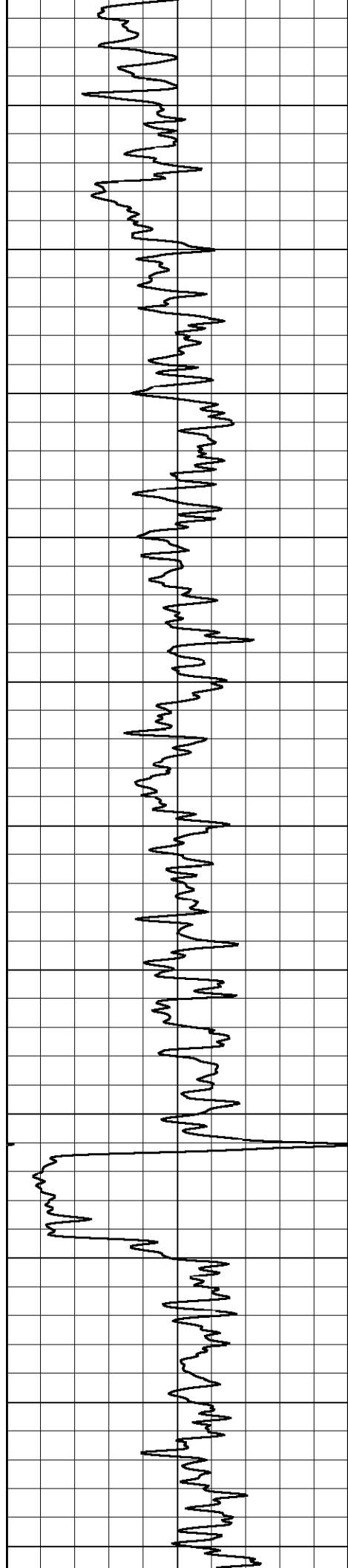
Thank you for using Log-Tech, Inc.  
(785) 625-3858

Millberger 1/2 N, W Into



LSPD





550

600

650

700

750

800

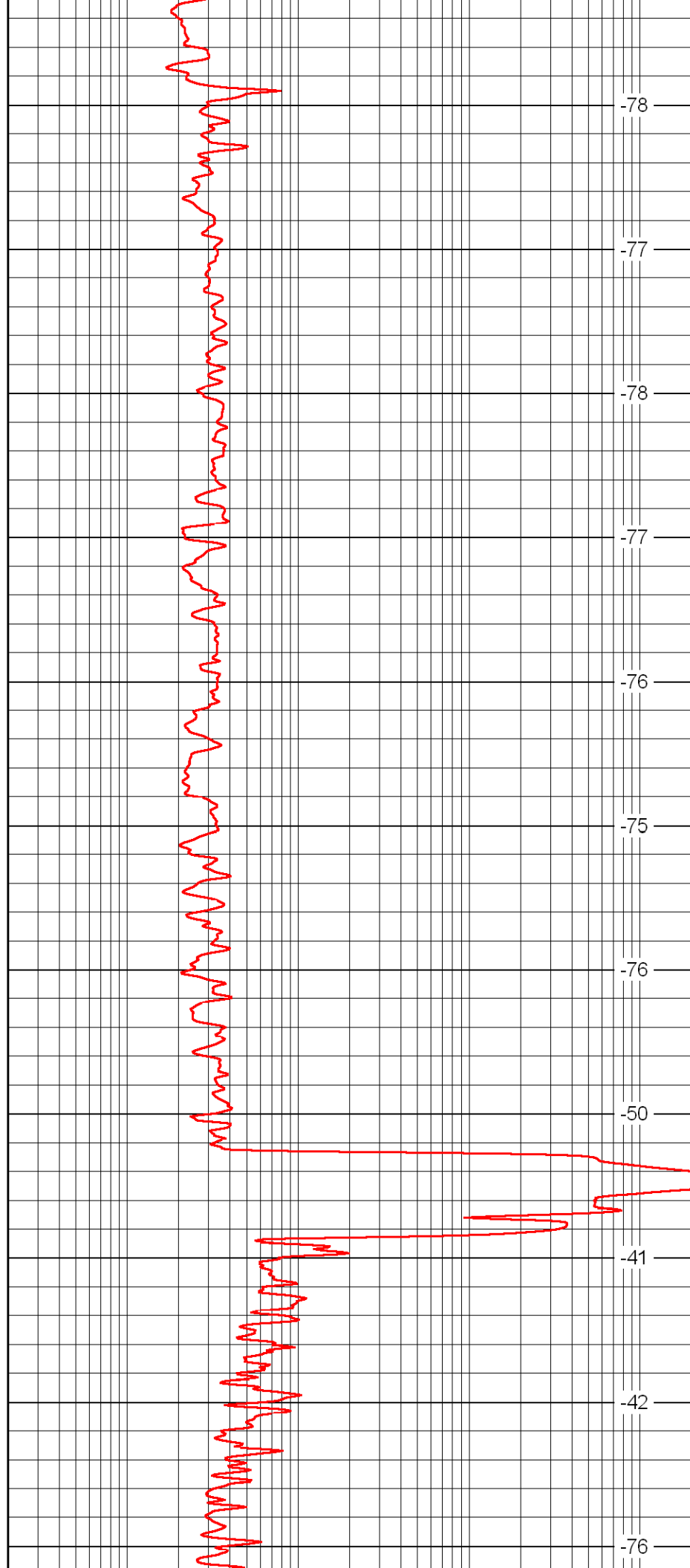
850

900

950

1000

1050



-78

-77

-78

-77

-76

-75

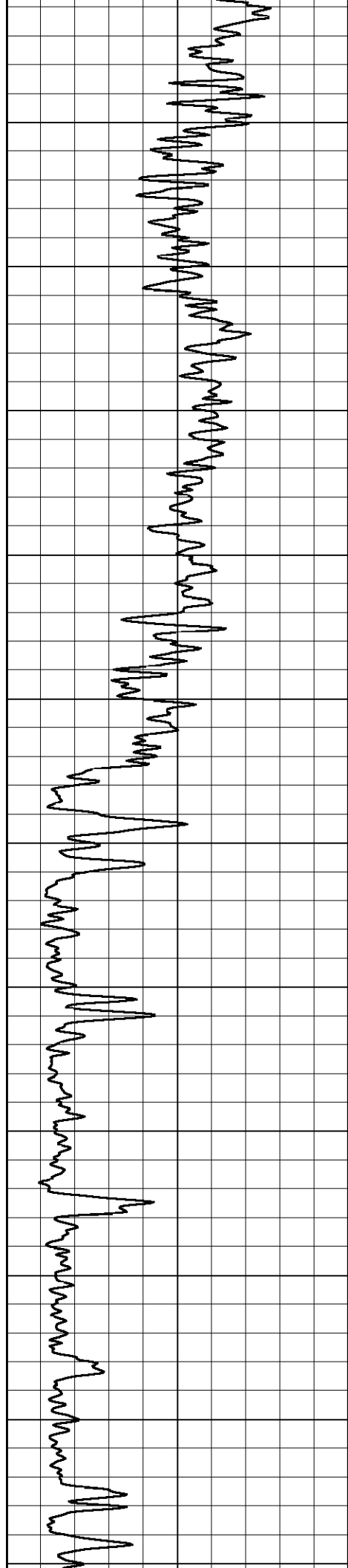
-76

-50

-41

-42

-76



1100

1150

1200

1250

1300

1350

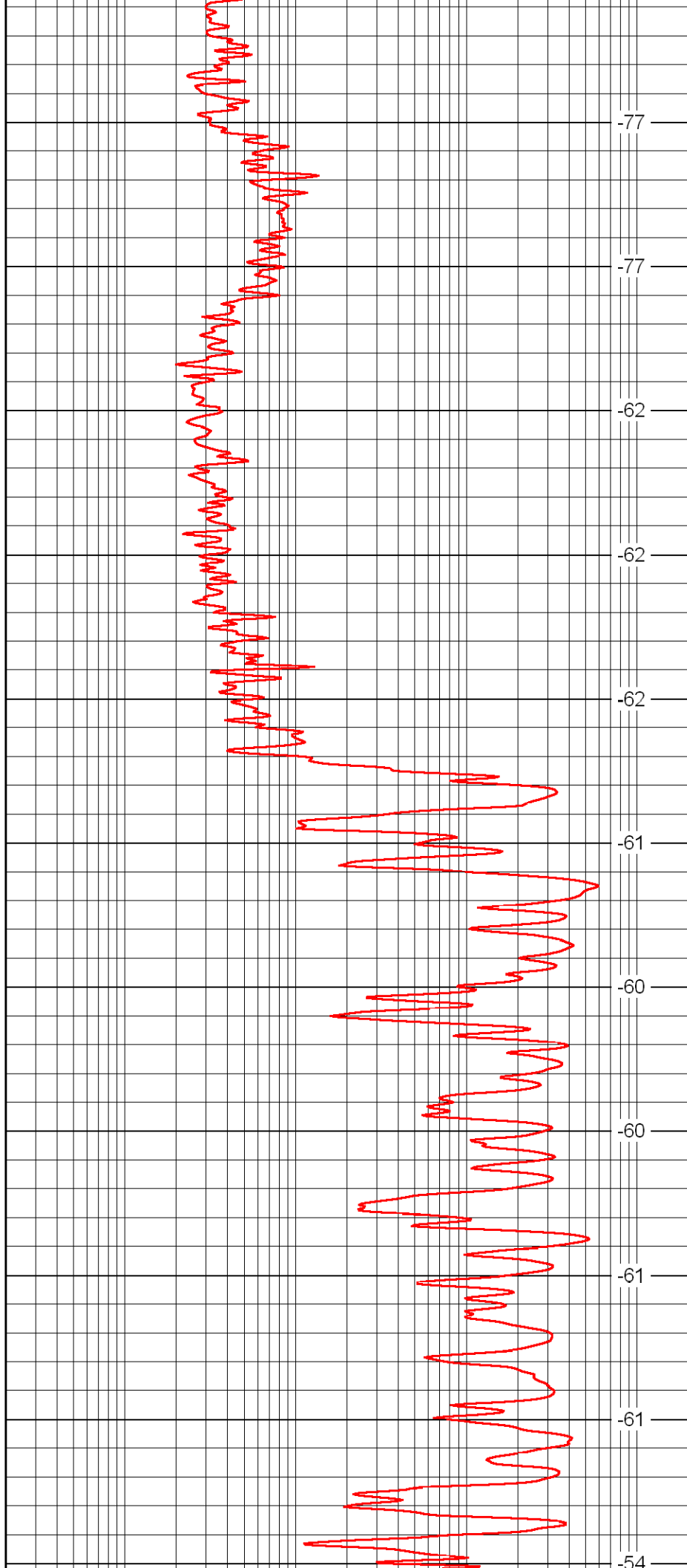
1400

1450

1500

1550

1600



-77

-77

-62

-62

-62

-61

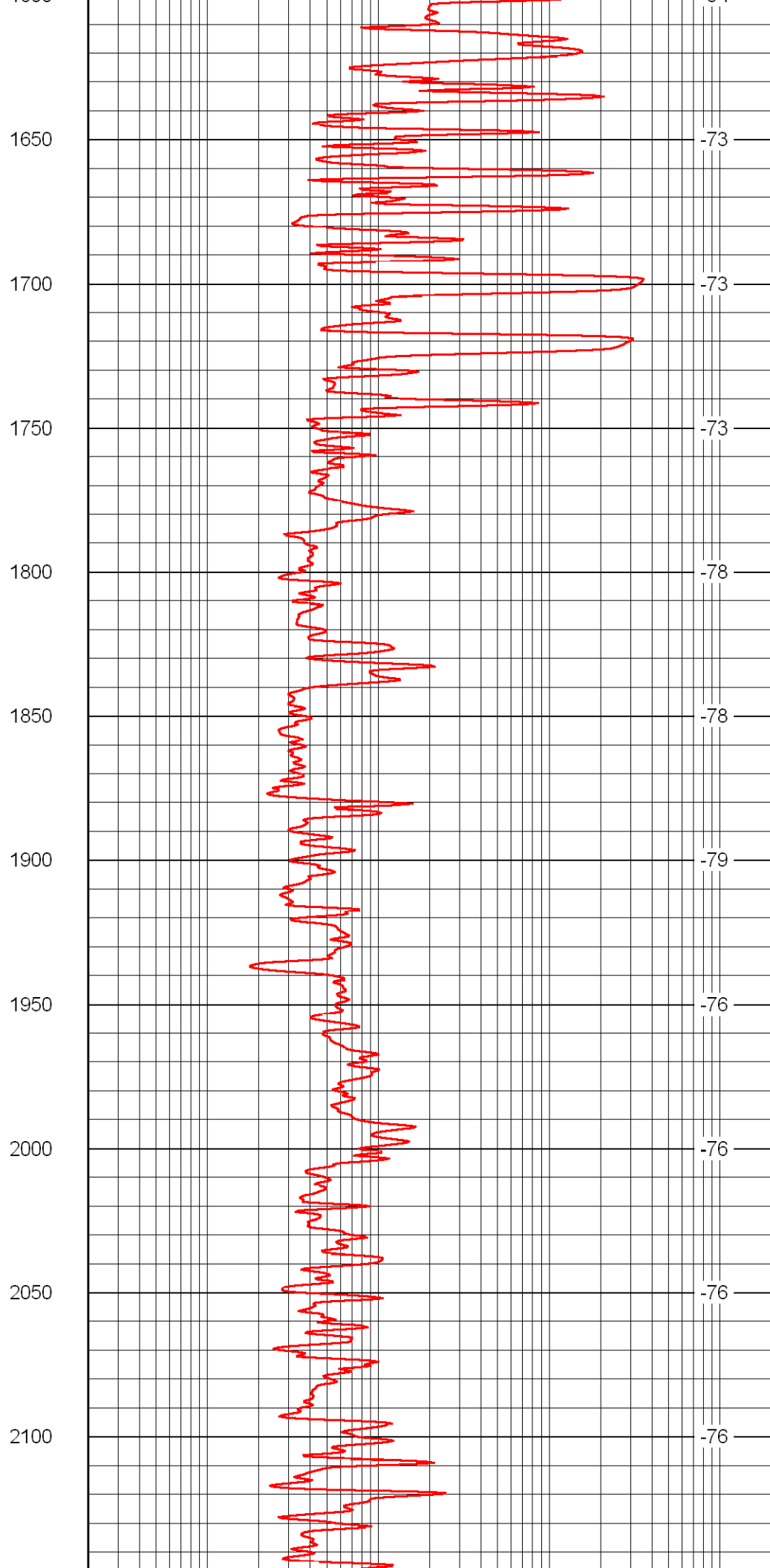
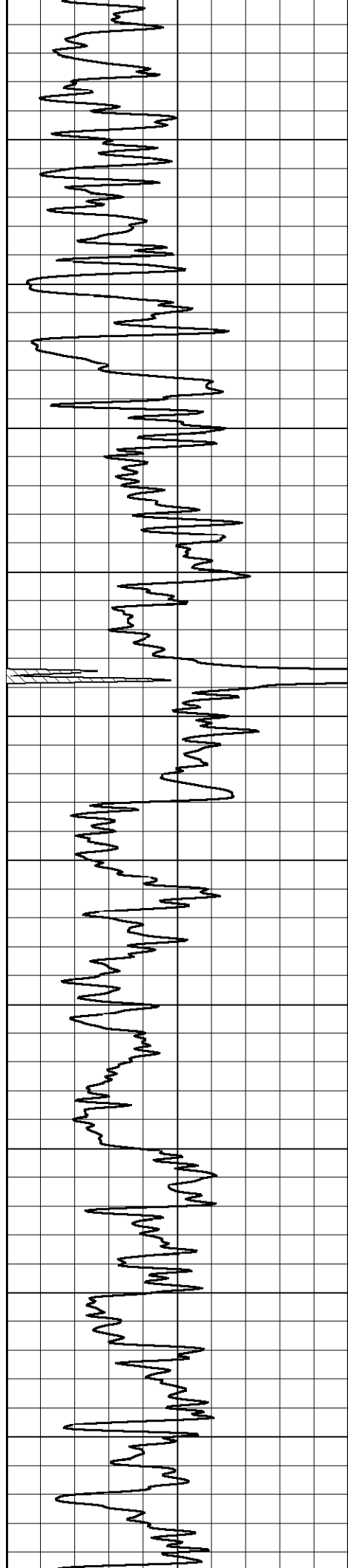
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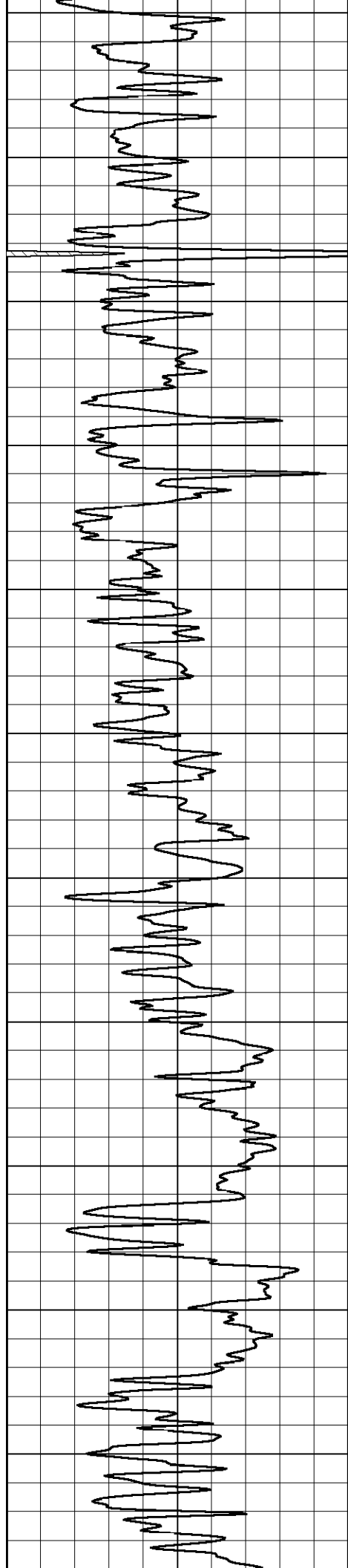
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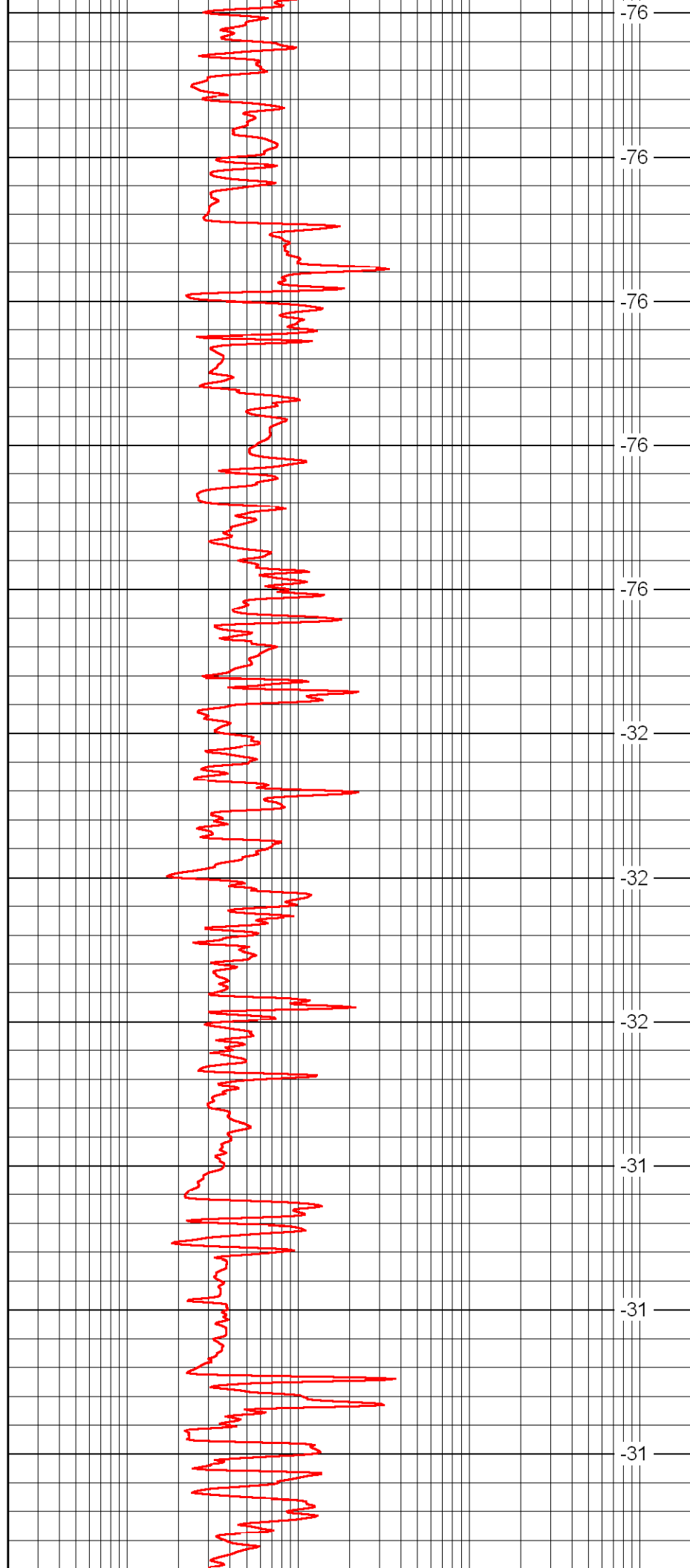
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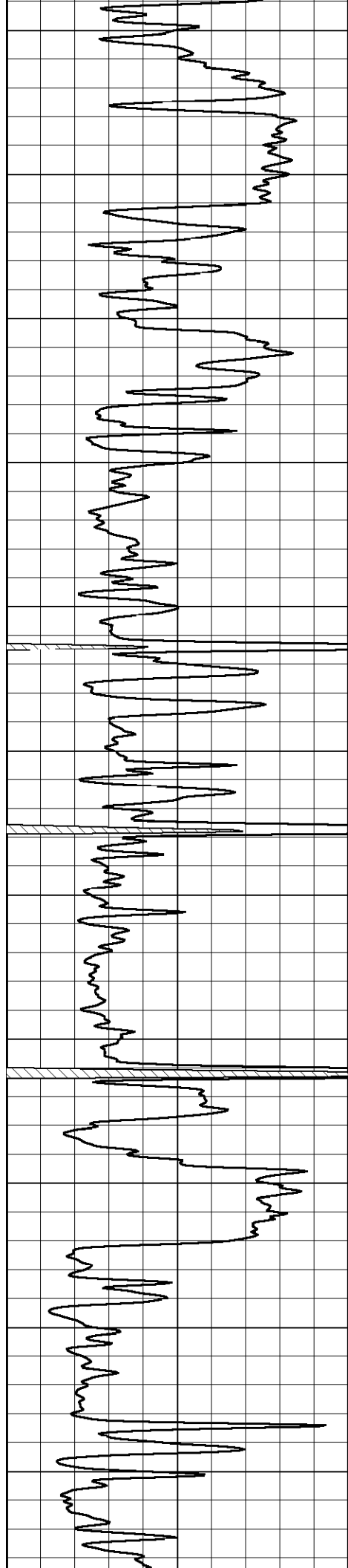
-54





2150  
2200  
2250  
2300  
2350  
2400  
2450  
2500  
2550  
2600  
2650





2700

2750

2800

2850

2900

2950

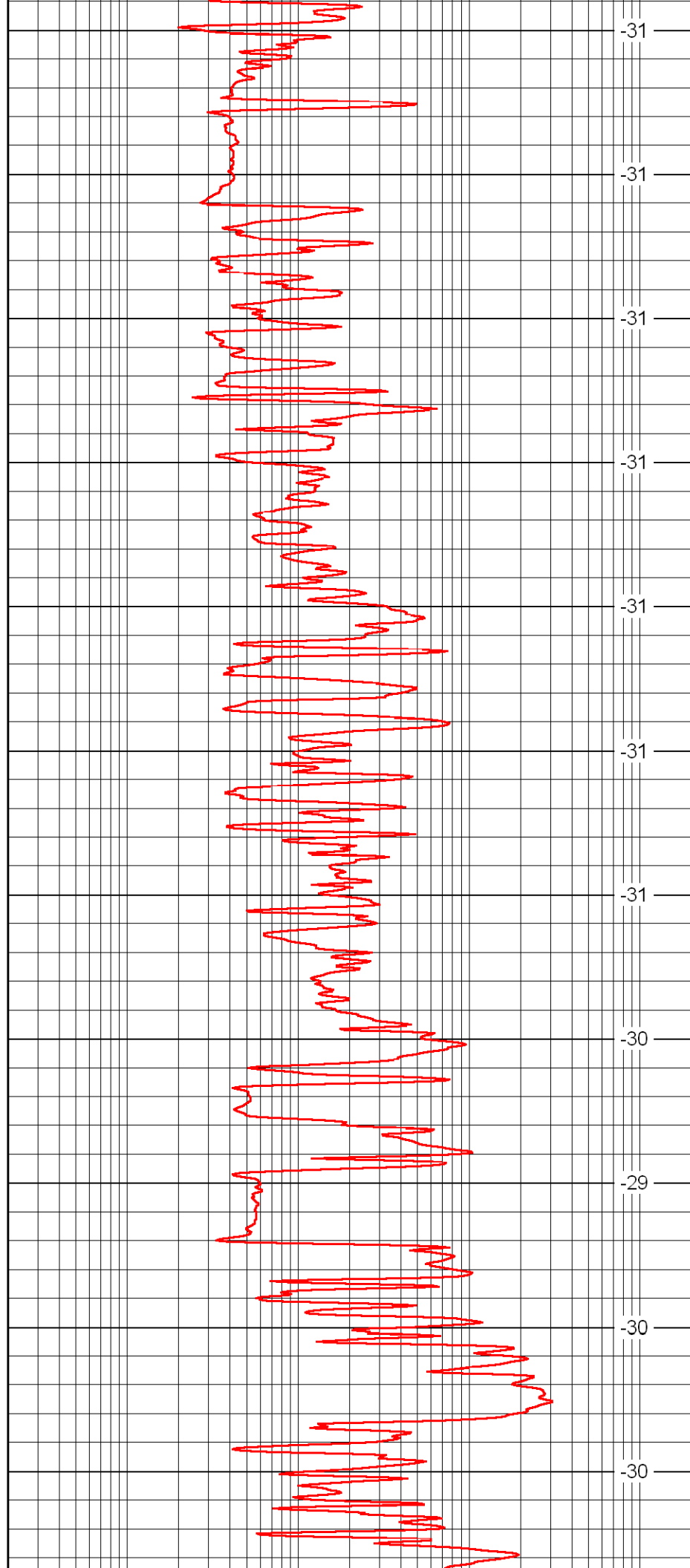
3000

3050

3100

3150

3200



-31

-31

-31

-31

-31

-31

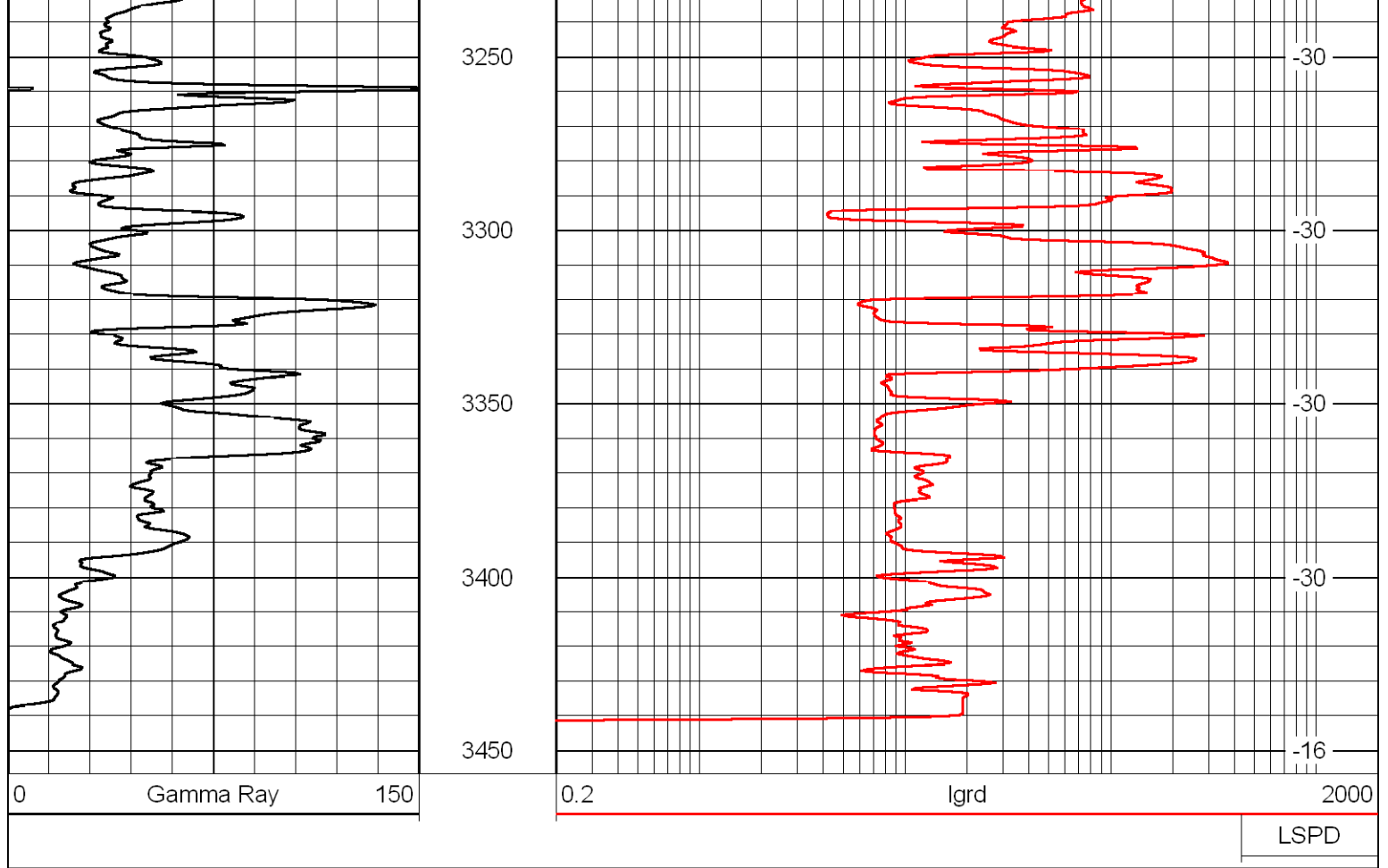
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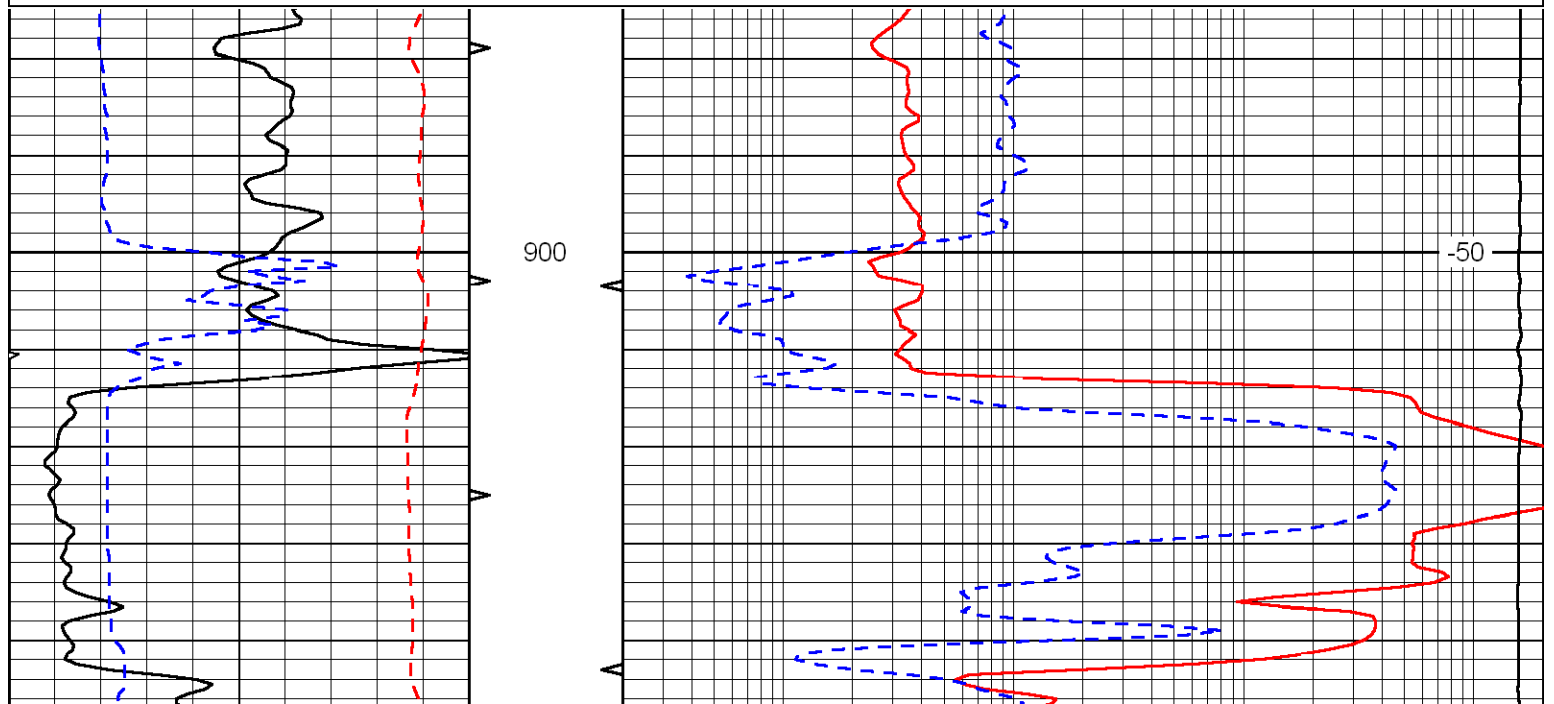
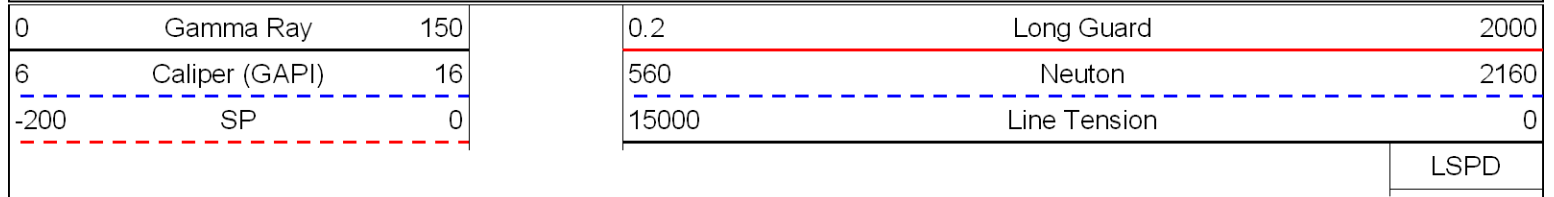
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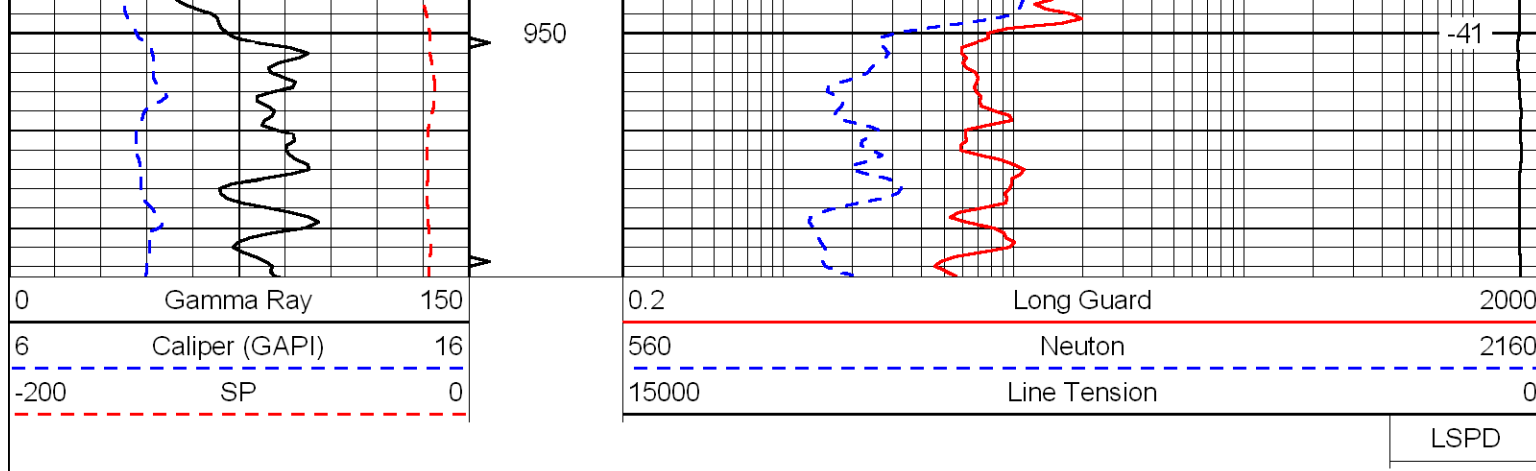
-30

-30

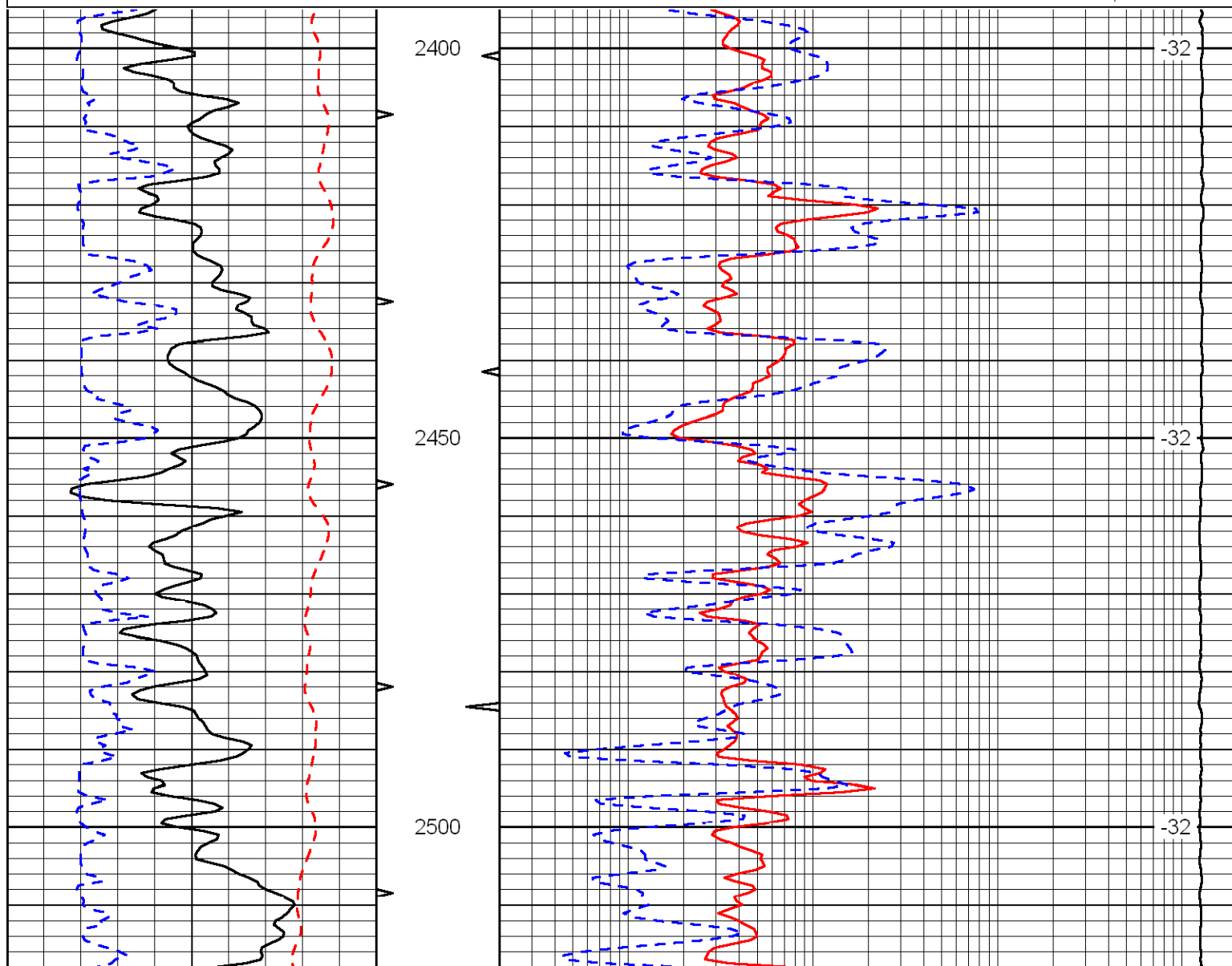
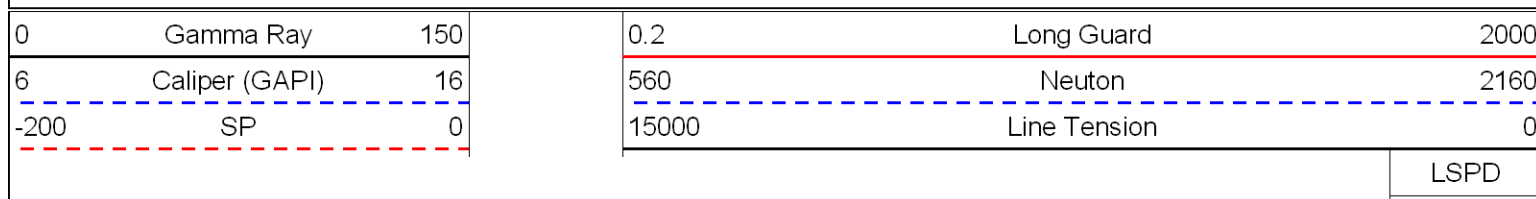


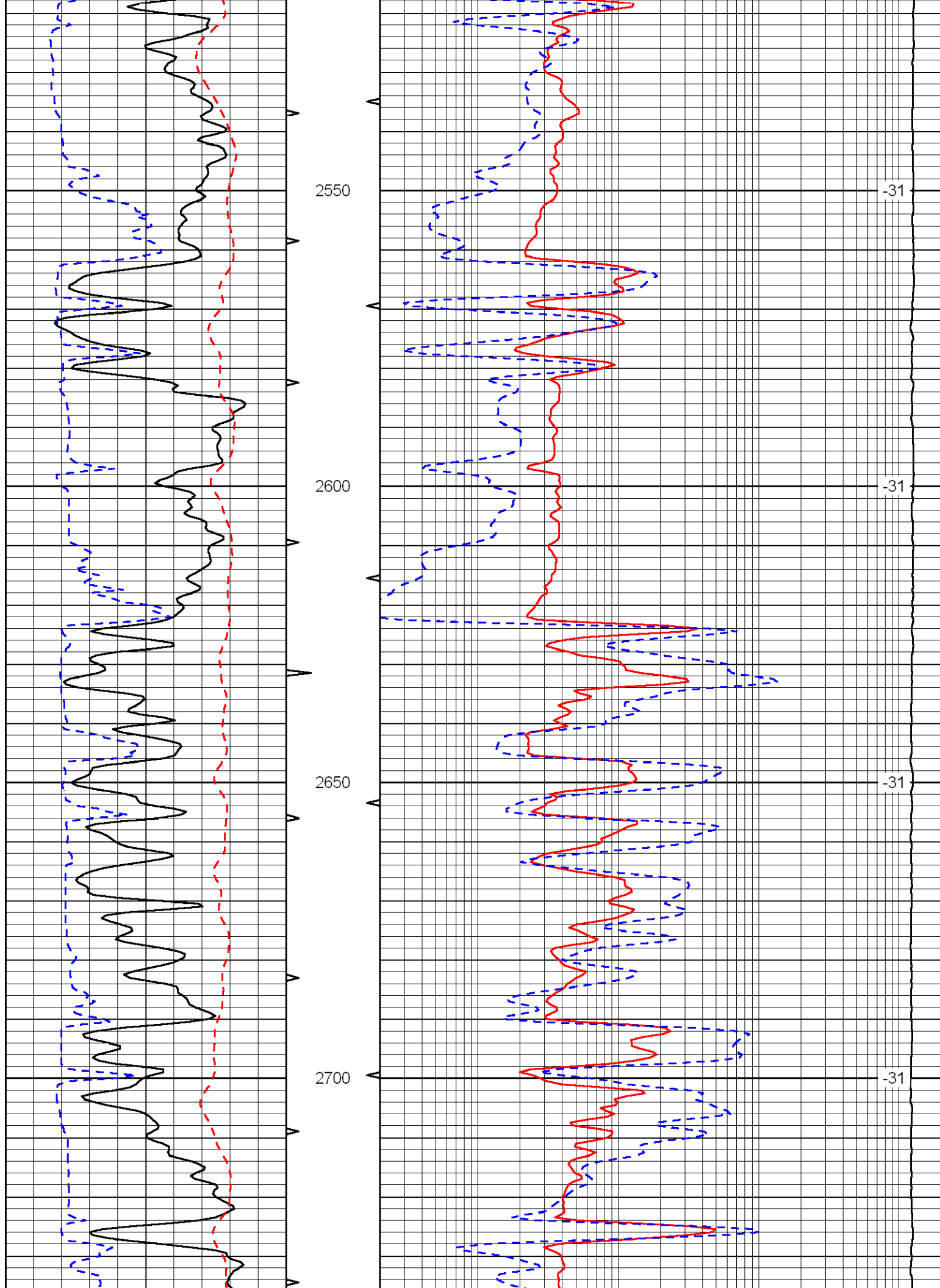
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 Presentation Format: rag  
 Dataset Creation: Sun Dec 21 03:59:56 2008  
 Charted by: Depth in Feet scaled 1:240

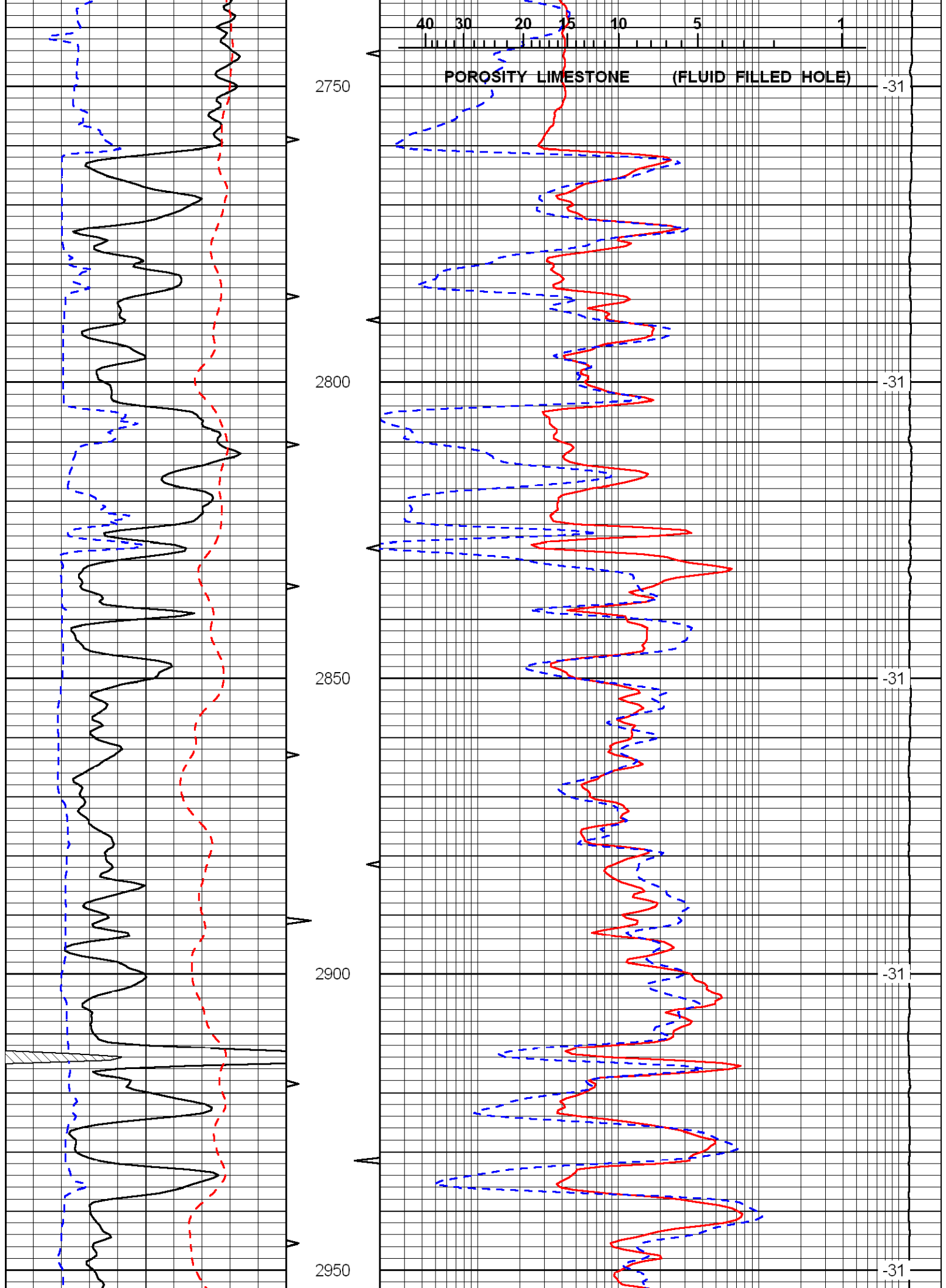


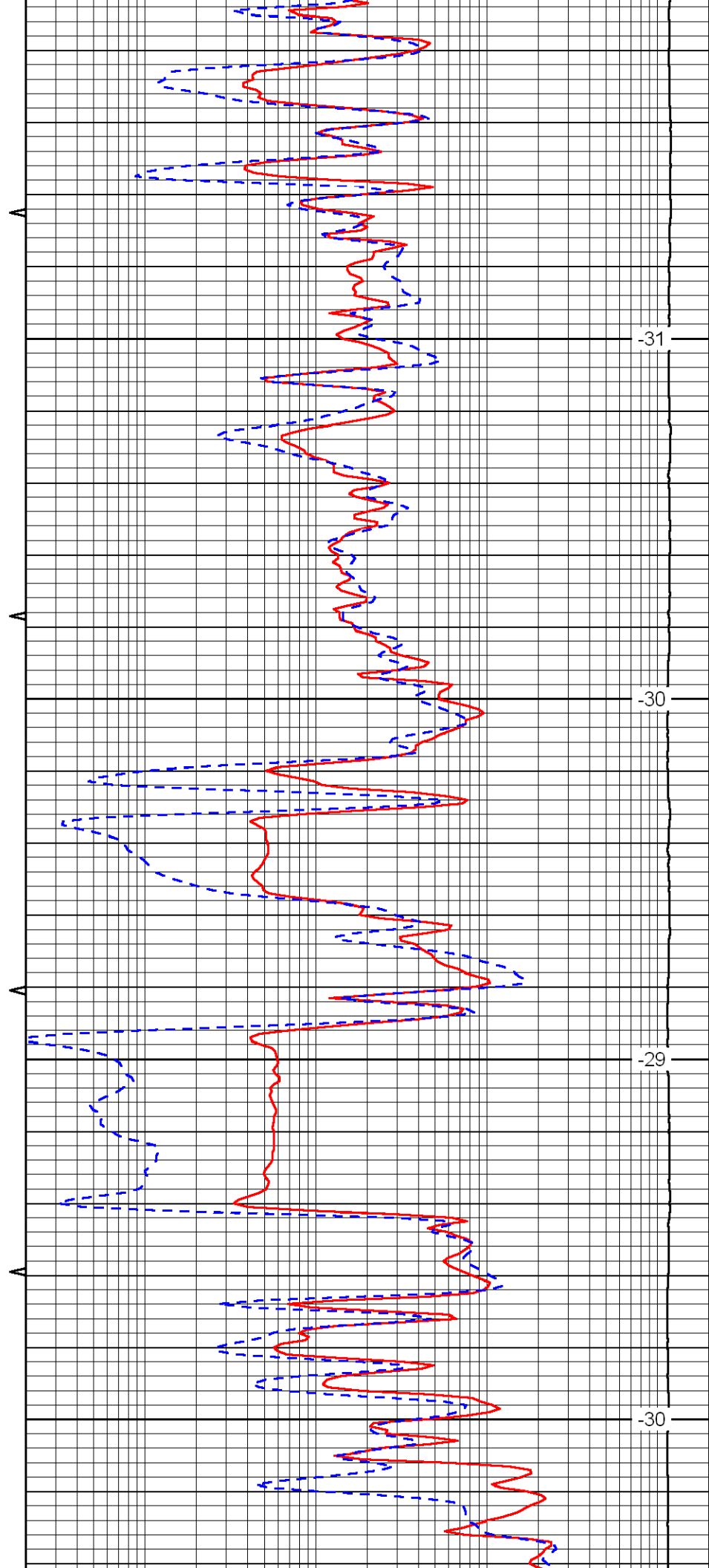
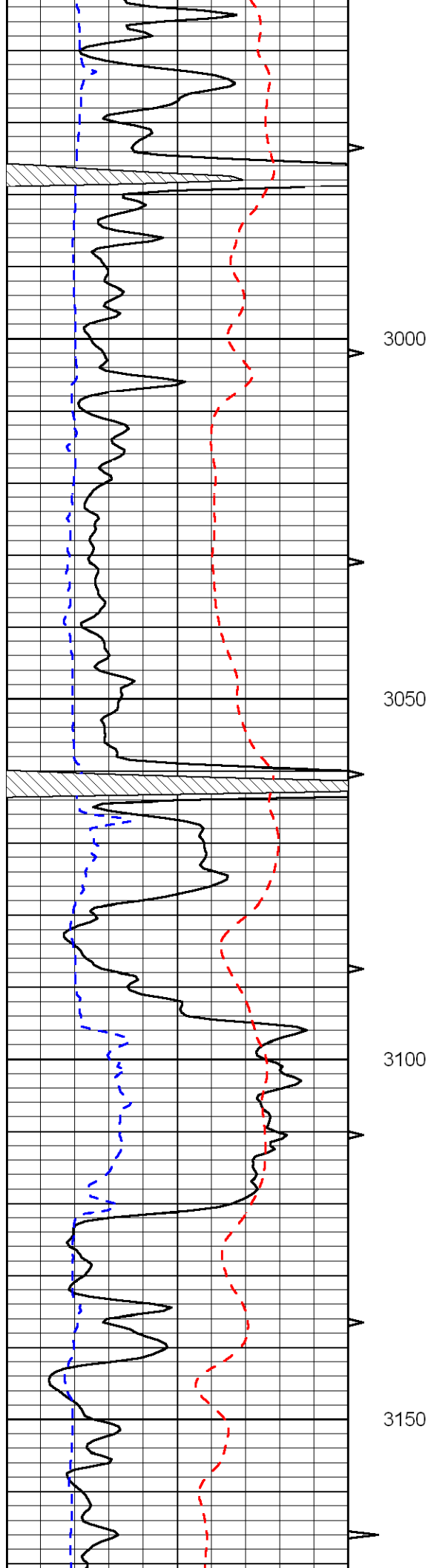


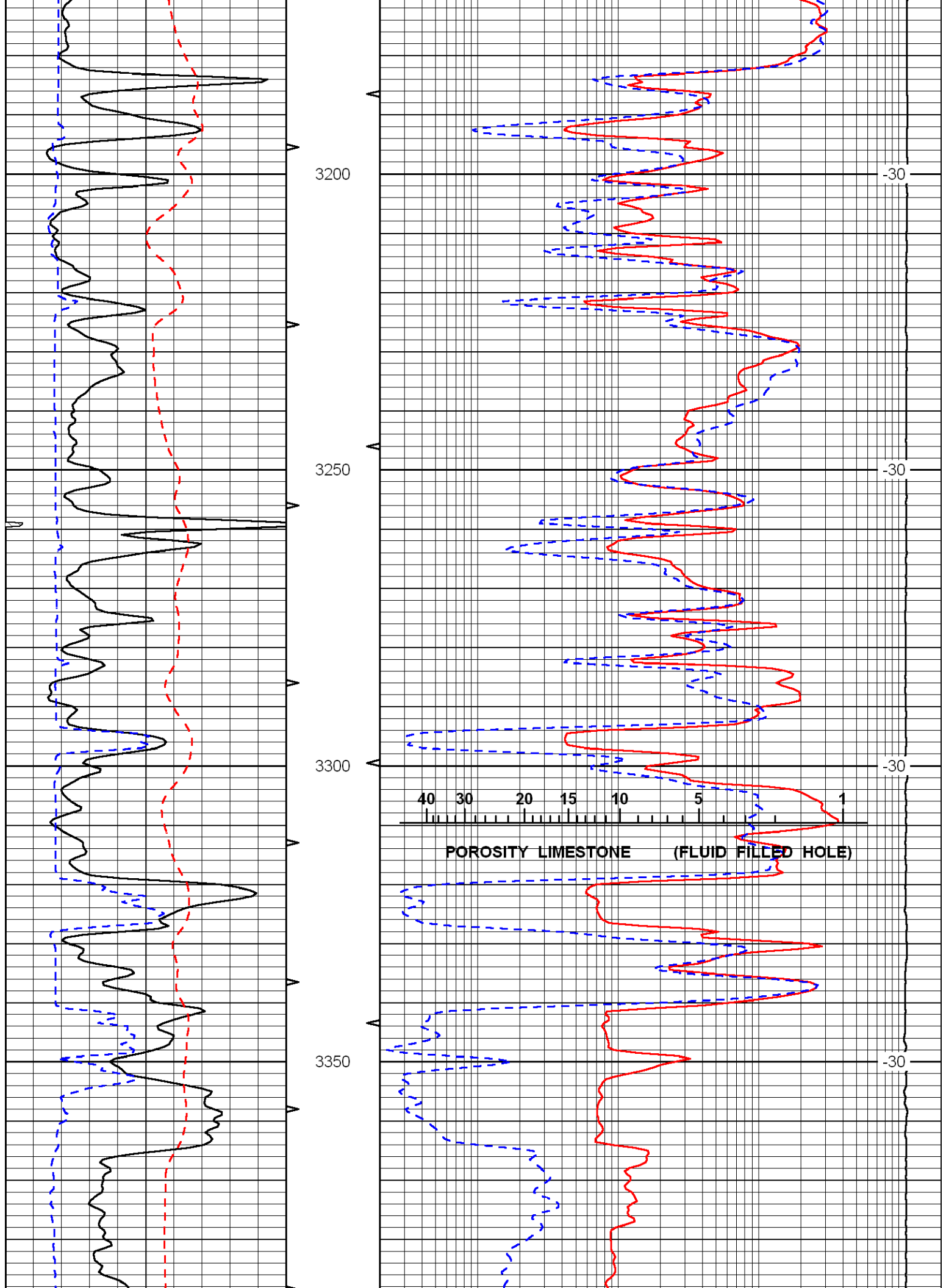
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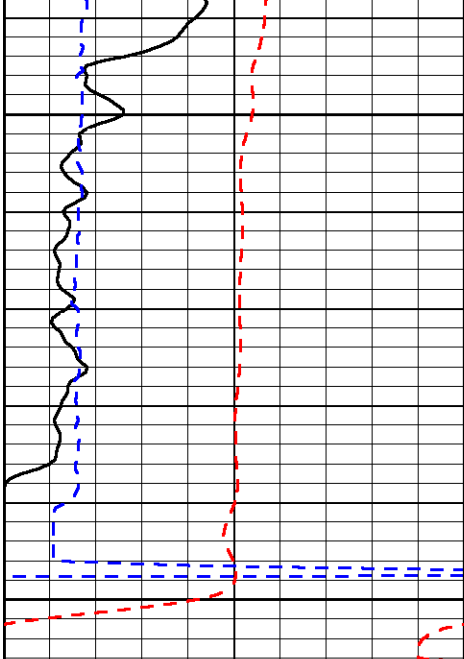








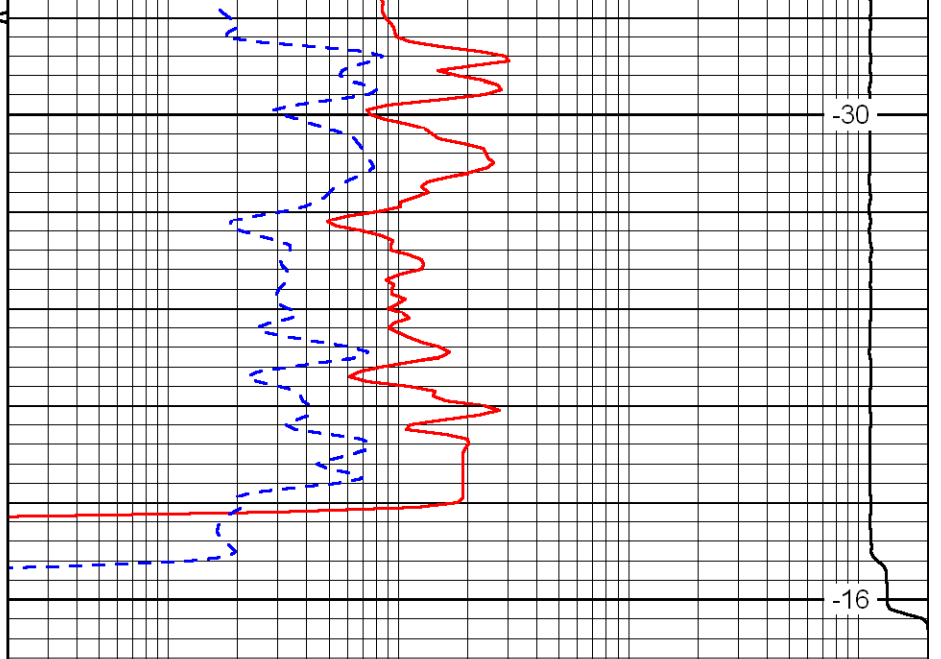




|      |                |     |
|------|----------------|-----|
| 0    | Gamma Ray      | 150 |
| 6    | Caliper (GAPI) | 16  |
| -200 | SP             | 0   |

3400

3450



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

-30

-16

LSPD