



## Dual Induction Log

DIGITAL LOG (785) 625-3858

|                        |                        |                     |                          |
|------------------------|------------------------|---------------------|--------------------------|
| API No.                | Company TDI, Inc.      |                     |                          |
| 15-051-26,011-00-00    | Well Young No. 1       |                     |                          |
|                        | Field Wildcat          |                     |                          |
|                        | County Ellis           | State               | Kansas                   |
|                        | Location               | 825' FNL & 750' FWL |                          |
|                        | Sec: 5                 | Twp: 15 S           | Rge: 19 W                |
|                        | Permanent Datum        | Ground Level        | Elevation 2051           |
|                        | Log Measured From      | Kelly Bushing       | 10 Ft. Above Perm. Datum |
|                        | Drilling Measured From | Kelly Bushing       |                          |
| Date                   |                        | 8/16/2010           |                          |
| Run Number             |                        | One                 |                          |
| Depth Driller          |                        | 3737                |                          |
| Depth Logger           |                        | 3738                |                          |
| Bottom Logged Interval |                        | 3737                |                          |
| Top Log Interval       |                        | 200                 |                          |
| Casing Driller         |                        | 8.625 @ 220         |                          |
| Casing Logger          |                        | 219                 |                          |
| Bit Size               |                        | 7.875               |                          |
| Type Fluid in Hole     |                        | Chemical            |                          |
| Salinity, ppm CL       |                        | 3.500               |                          |
| Density / Viscosity    |                        | 9.2 55              |                          |
| pH / Fluid Loss        |                        | 10.0 7.2            |                          |
| Source of Sample       |                        | Flowline            |                          |
| Rm @ Meas. Temp        |                        | .55 @ 65            |                          |
| Rmf @ Meas. Temp       |                        | .41 @ 65            |                          |
| Rmc @ Meas. Temp       |                        | .74 @ 65            |                          |
| Source of Rmf / Rmc    |                        | Charts              |                          |
| Rm @ BHT               |                        | .31 @ 115           |                          |
| Operating Rig Time     |                        | 4 Hours             |                          |
| Max Rec. Temp. F       |                        | 115                 |                          |
| Equipment Number       |                        | 4                   |                          |
| Location               |                        | Hays                |                          |
| Recorded By            |                        | K. Bange            |                          |
| Witnessed By           |                        | Herb Deines         |                          |

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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

Antonino, 4 W, 1/2 S, E into

Database File: c:\warrior\data\tdi\_young no. 1\tdi081610hd.db  
Dataset Pathname: dil\tdi2in  
Presentation Format: dil2in  
Dataset Creation: Mon Aug 16 09:46:56 2010  
Charted by: Depth in Feet scaled 1:600

|      |           |     |
|------|-----------|-----|
| 0    | Gamma Ray | 150 |
| -200 | SP (mV)   | 0   |

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

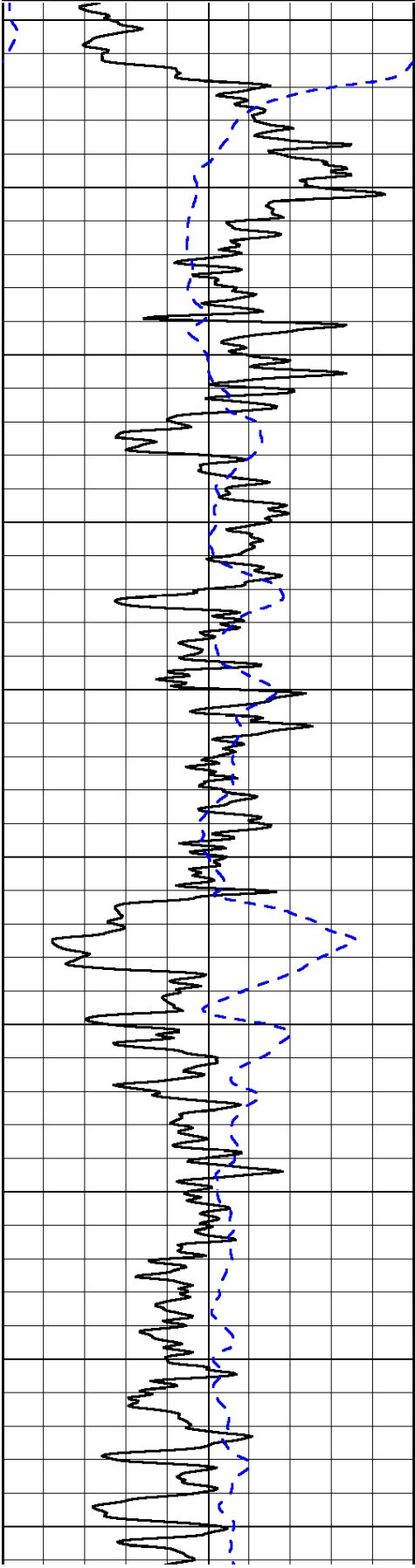
|   |                     |    |
|---|---------------------|----|
| 0 | Shallow Resistivity | 50 |
| 0 | Deep Resistivity    | 50 |

|      |              |   |
|------|--------------|---|
| 1000 | Conductivity | 0 |
|------|--------------|---|

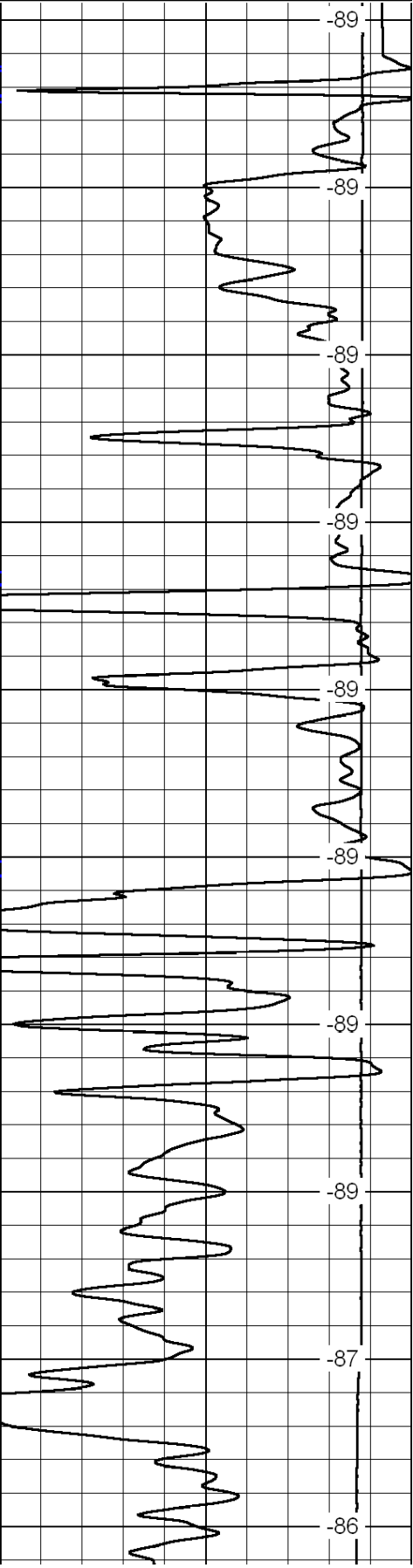
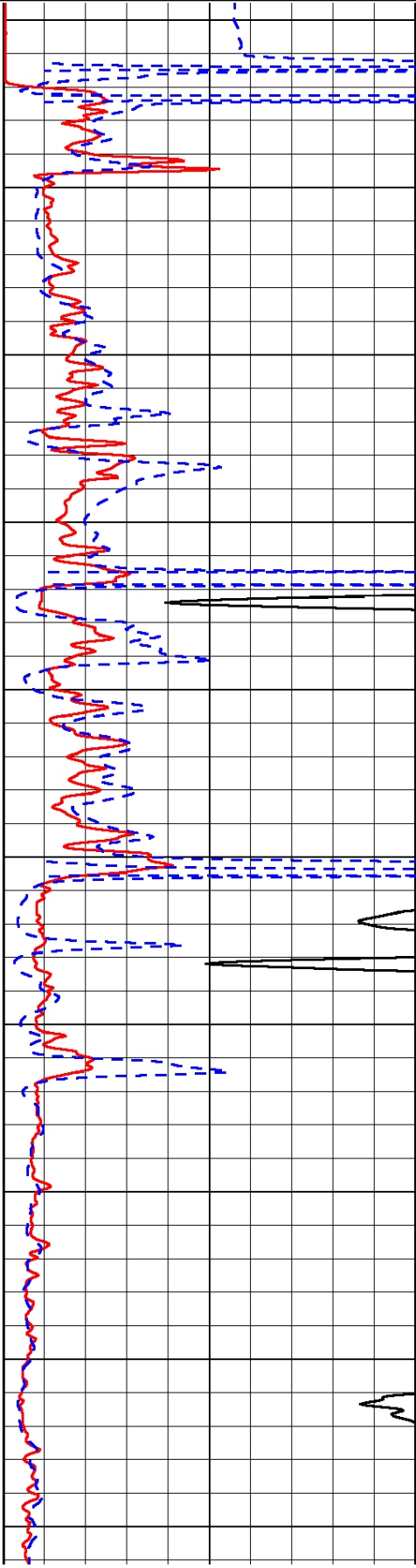
|       |              |   |
|-------|--------------|---|
| 15000 | Line Tension | 0 |
|-------|--------------|---|

|    |                     |     |
|----|---------------------|-----|
| 50 | Shallow Resistivity | 500 |
| 50 | Deep Resistivity    | 500 |

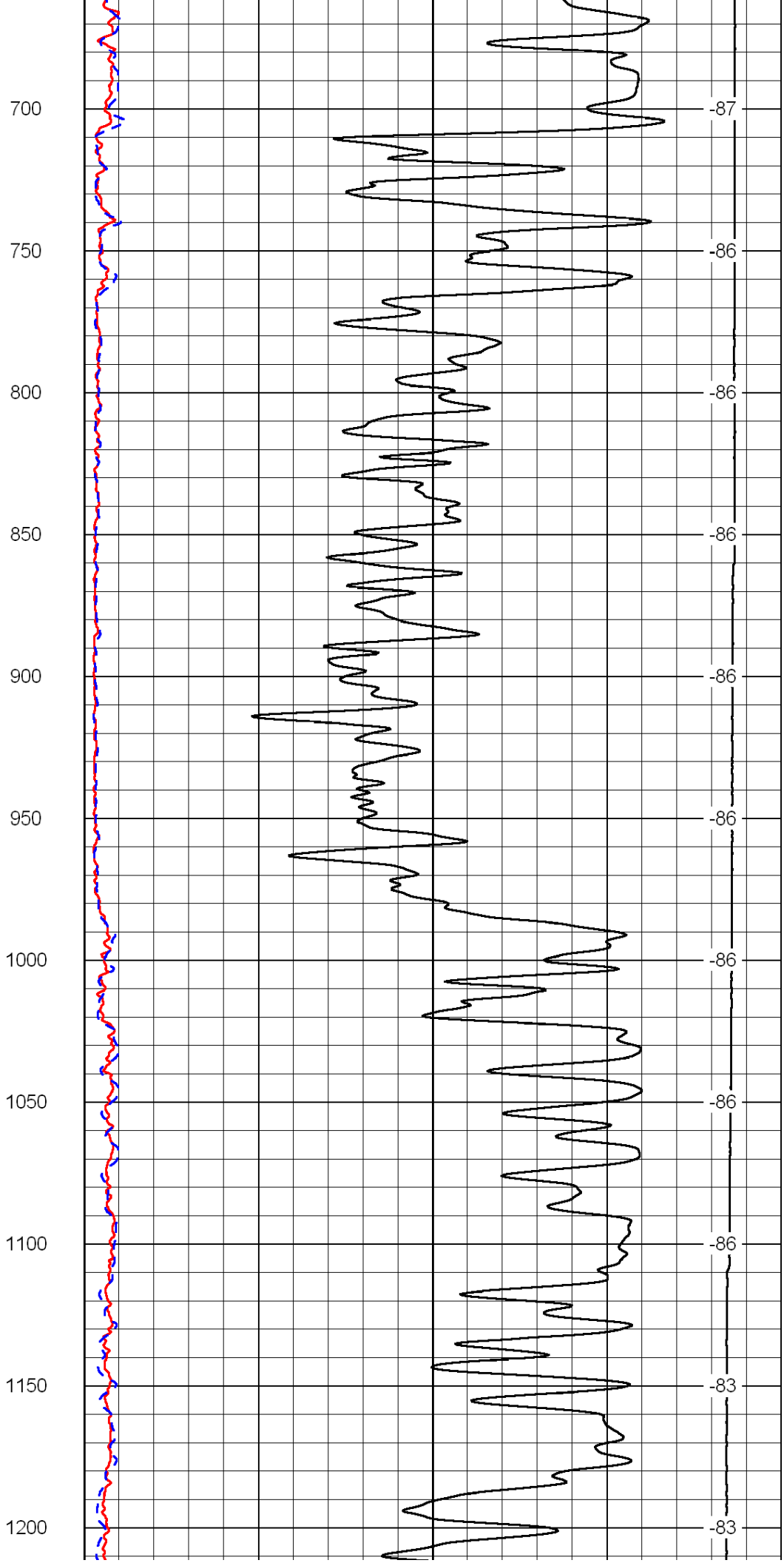
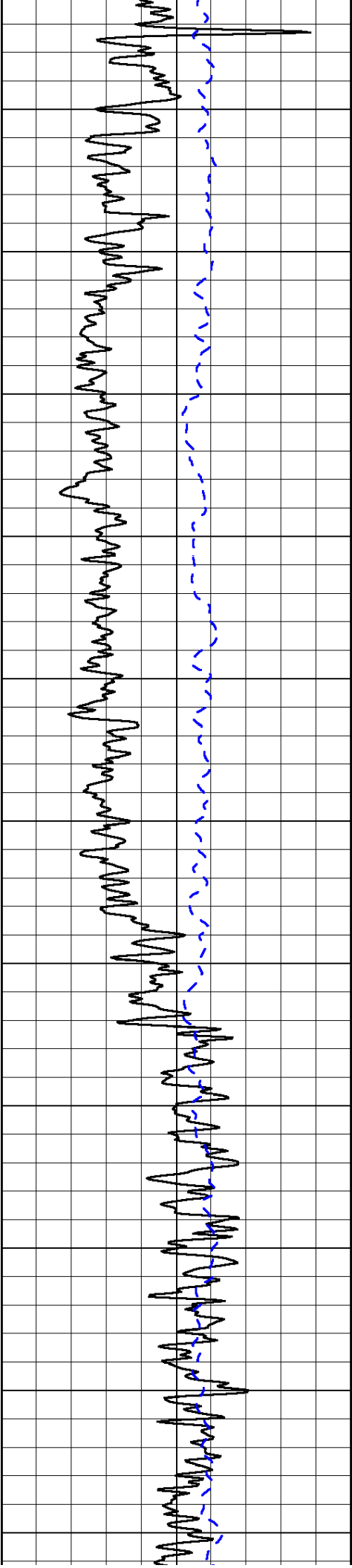
|      |
|------|
| LSPD |
|------|

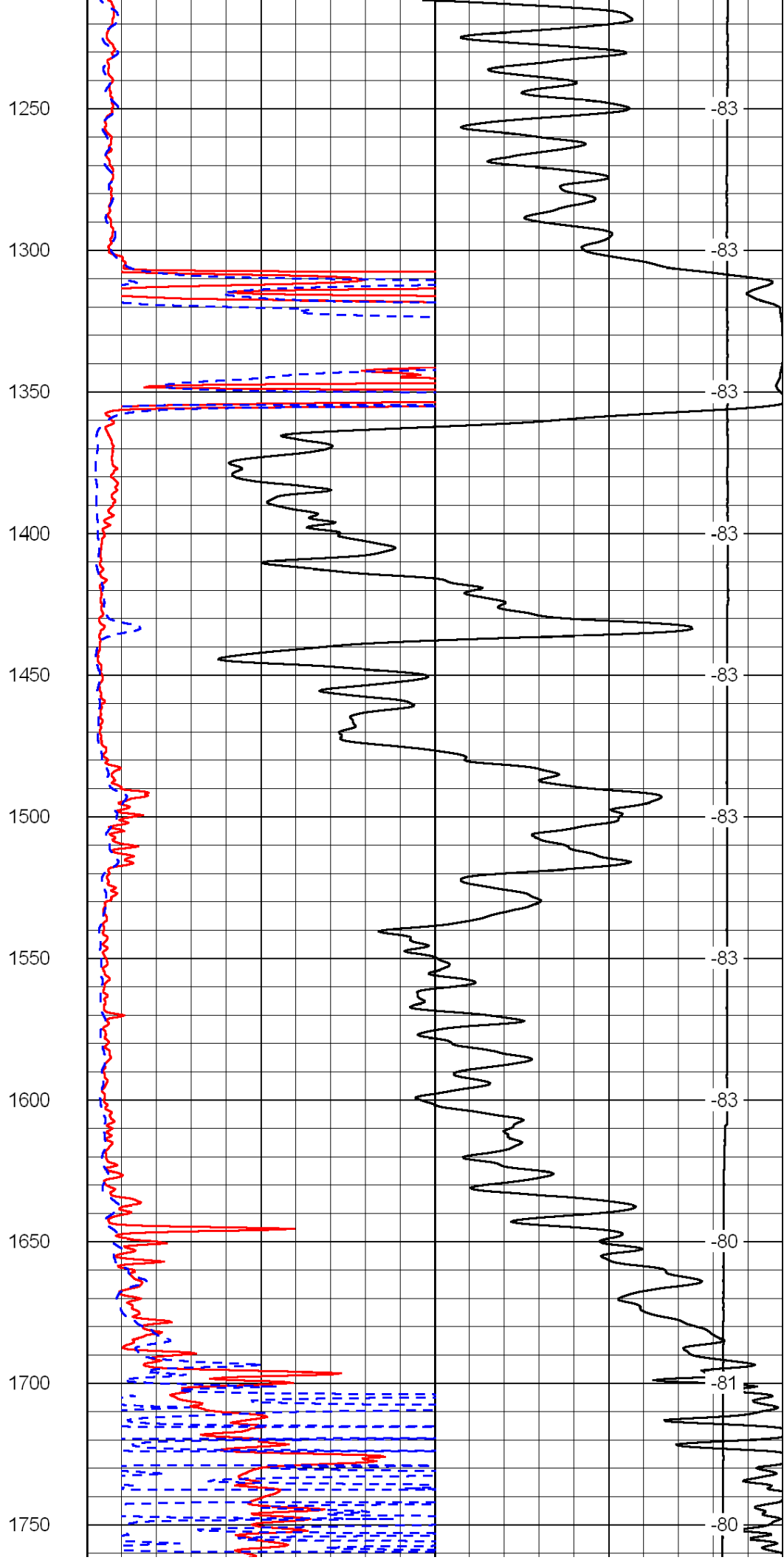
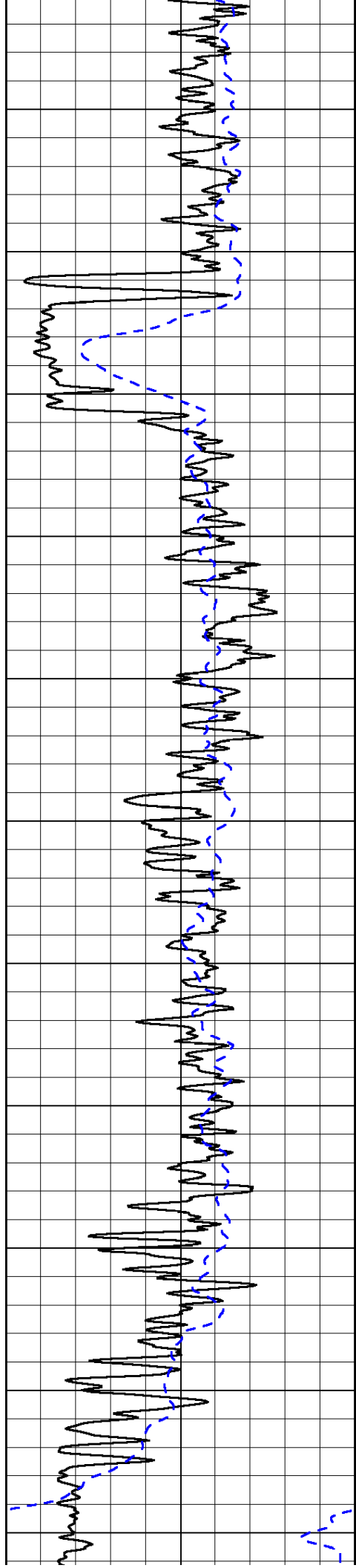


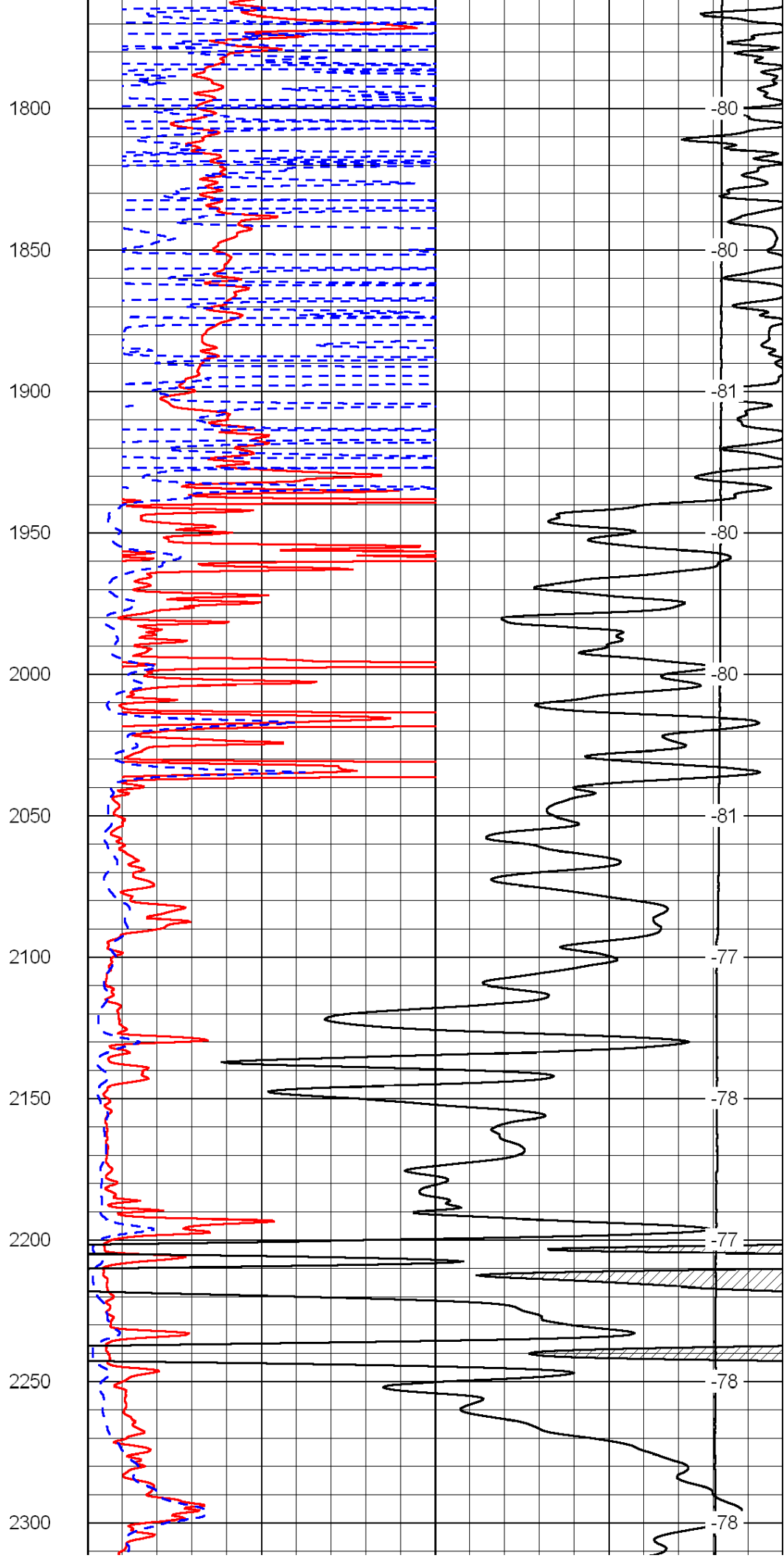
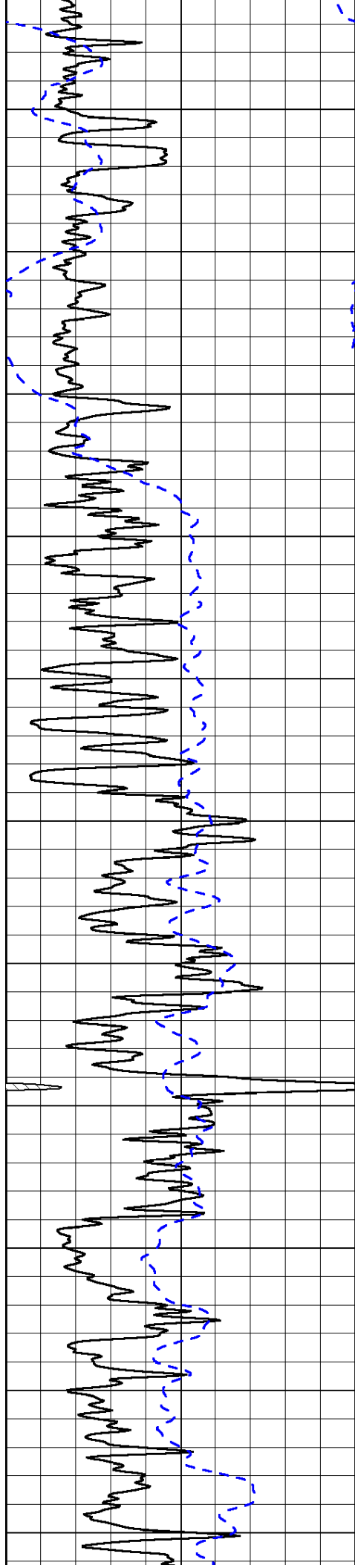
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650

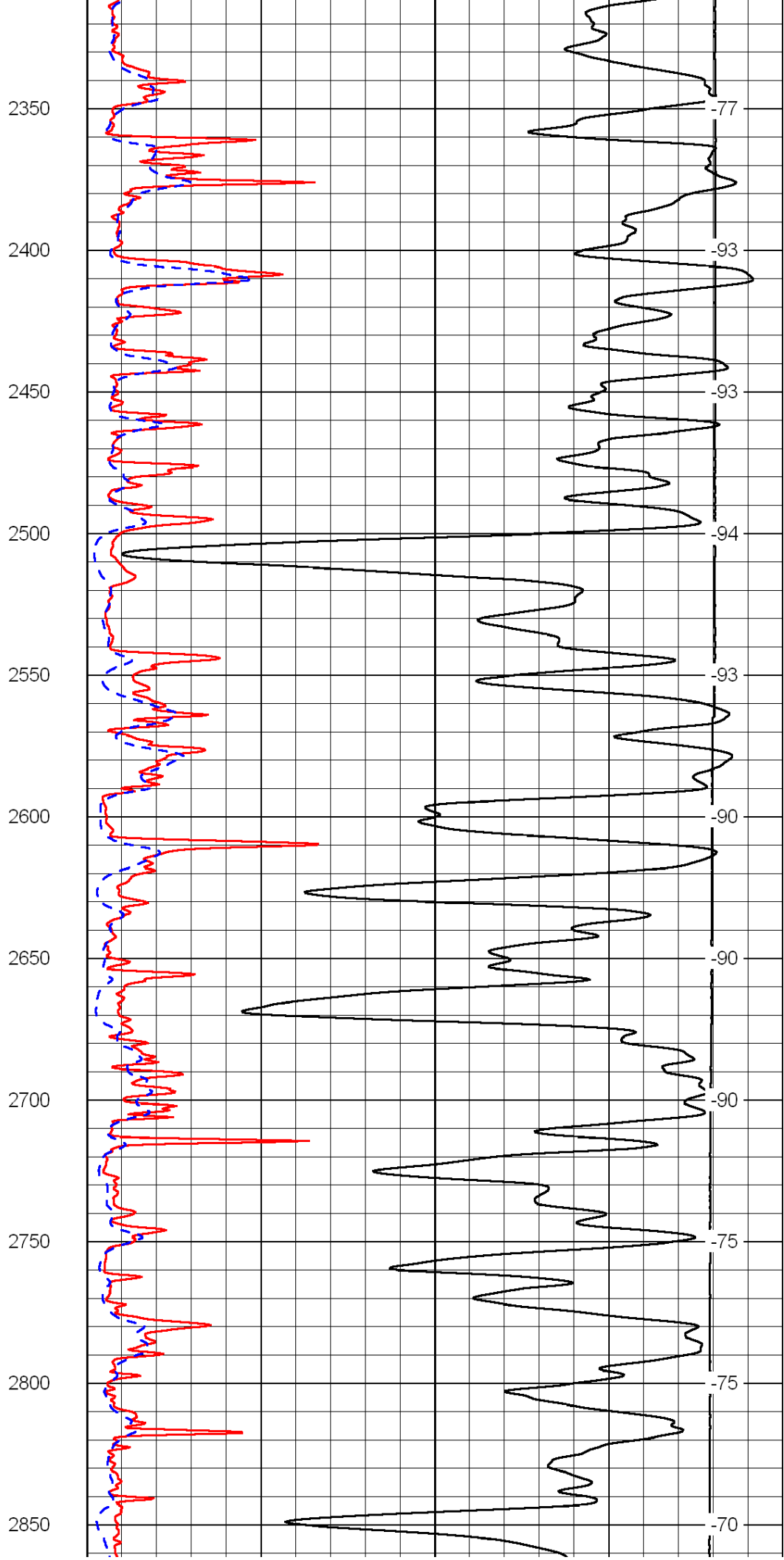
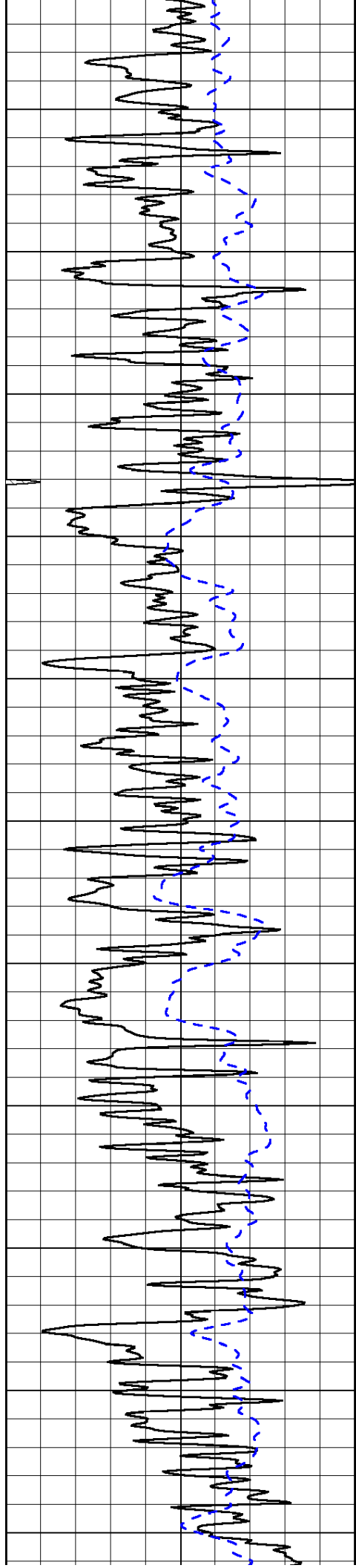


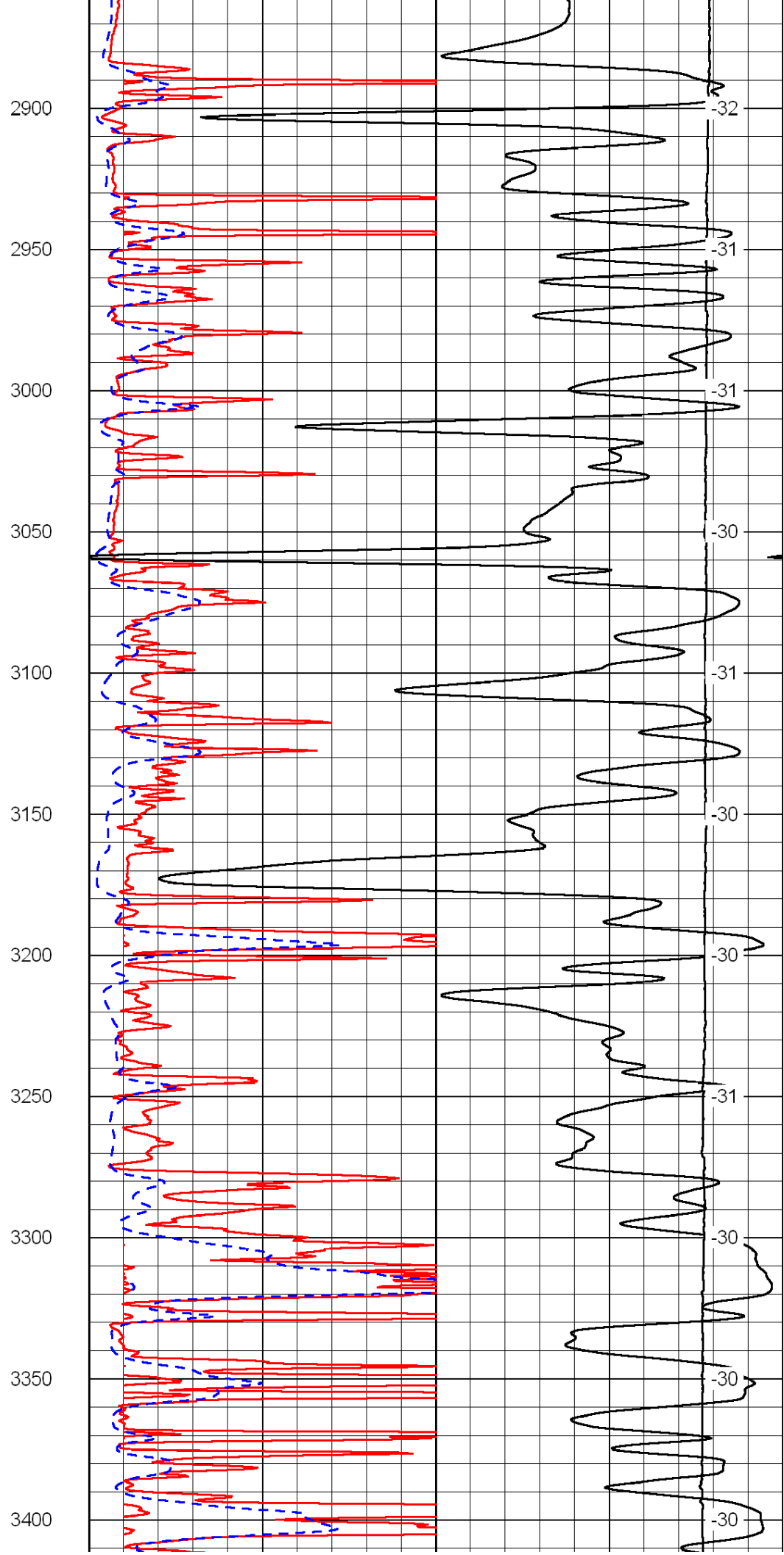
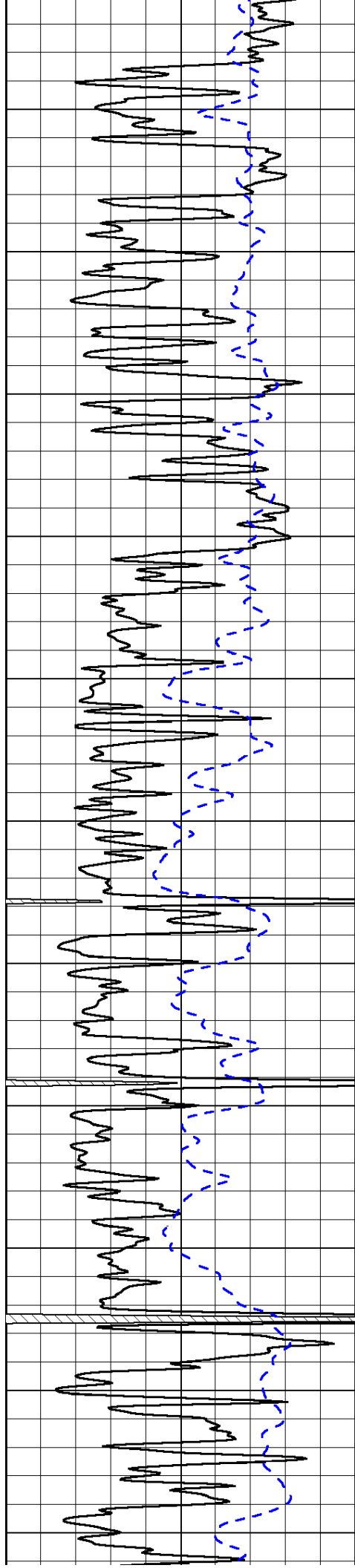
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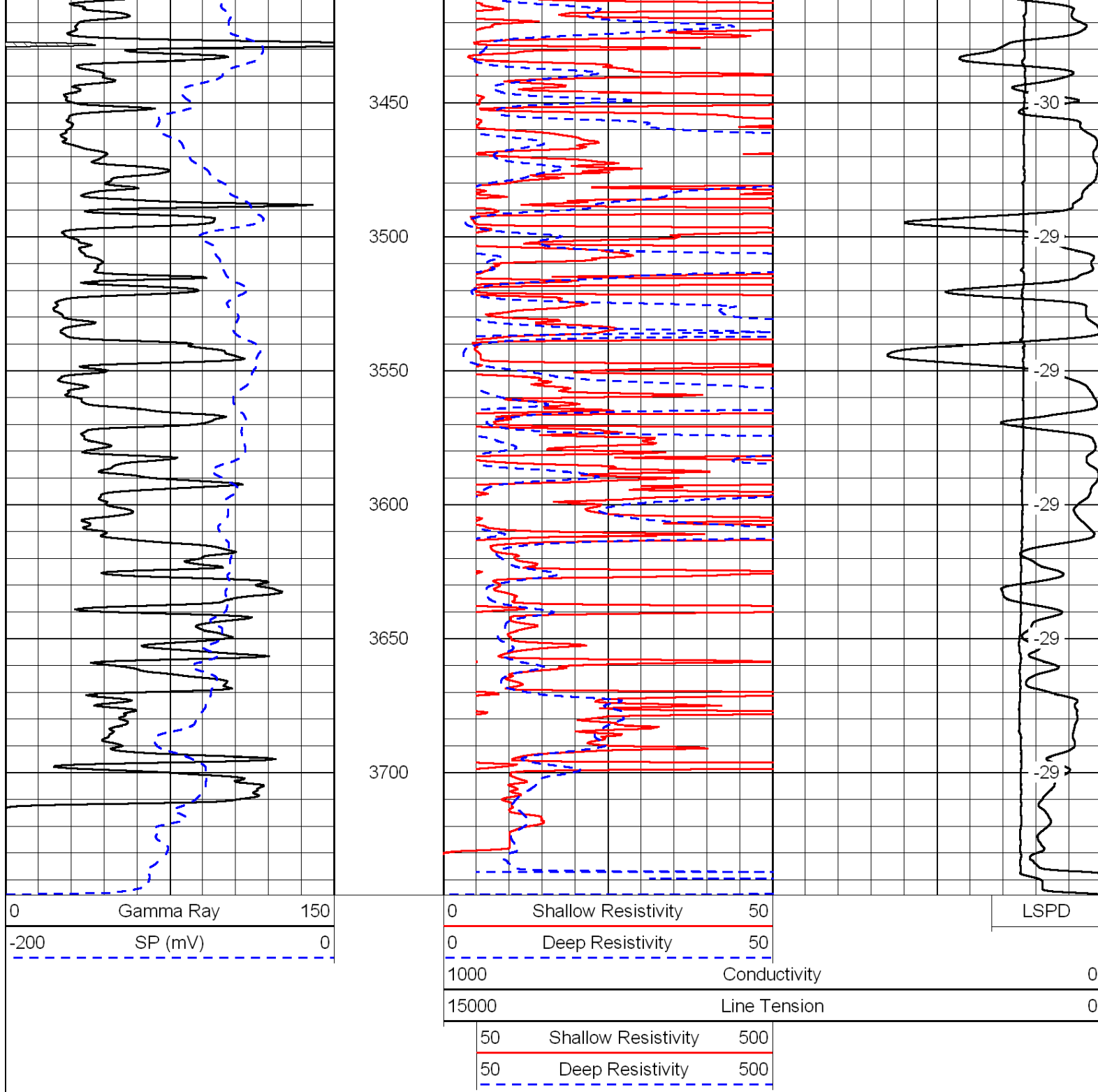




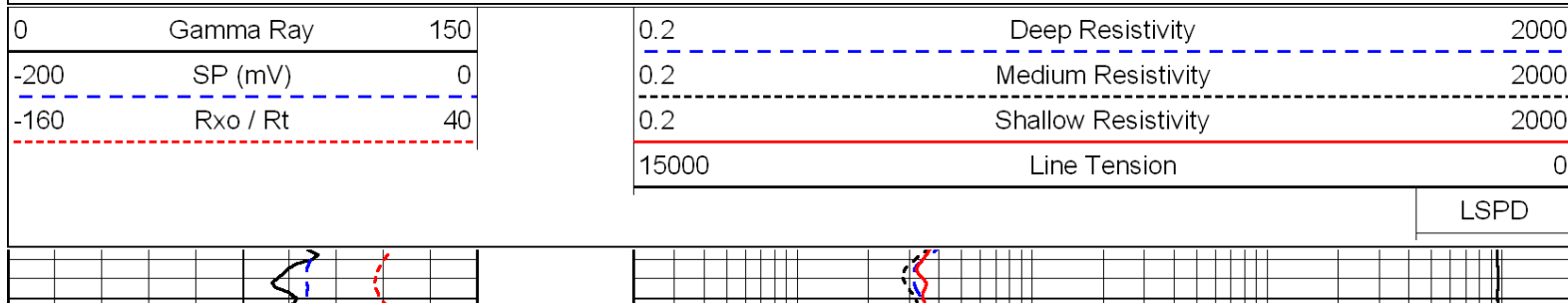


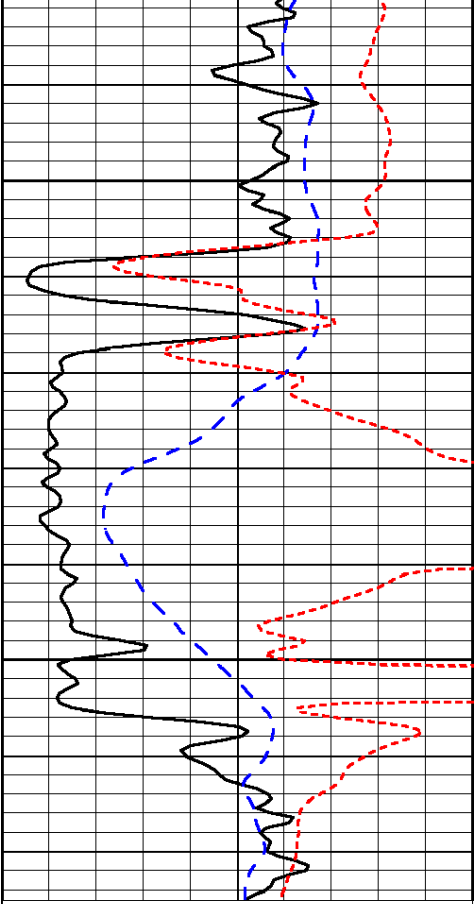






Database File: c:\warrior\data\tdi\_young no. 1\tdi081610hd.db  
 Dataset Pathname: dil\tdi2in  
 Presentation Format: dil  
 Dataset Creation: Mon Aug 16 09:46:56 2010  
 Charted by: Depth in Feet scaled 1:240

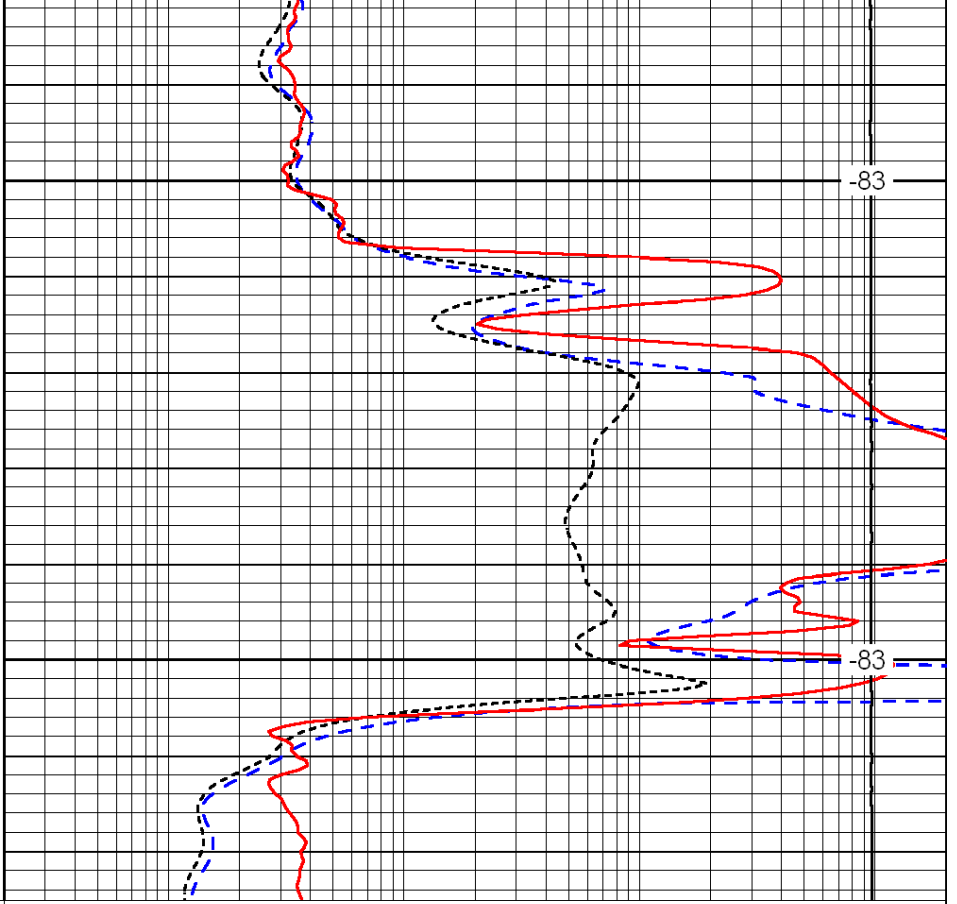




|      |           |     |
|------|-----------|-----|
| 0    | Gamma Ray | 150 |
| -200 | SP (mV)   | 0   |
| -160 | Rxo / Rt  | 40  |

1300

1350



|       |                     |      |
|-------|---------------------|------|
| 0.2   | Deep Resistivity    | 2000 |
| 0.2   | Medium Resistivity  | 2000 |
| 0.2   | Shallow Resistivity | 2000 |
| 15000 | Line Tension        | 0    |

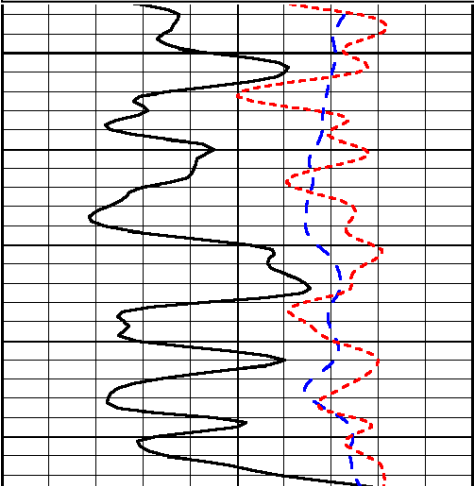
LSPD

Database File: c:\warrior\data\tdi\_young no. 1\tdi081610hd.db  
Dataset Pathname: dil\tdi2in  
Presentation Format: dil  
Dataset Creation: Mon Aug 16 09:46:56 2010  
Charted by: Depth in Feet scaled 1:240

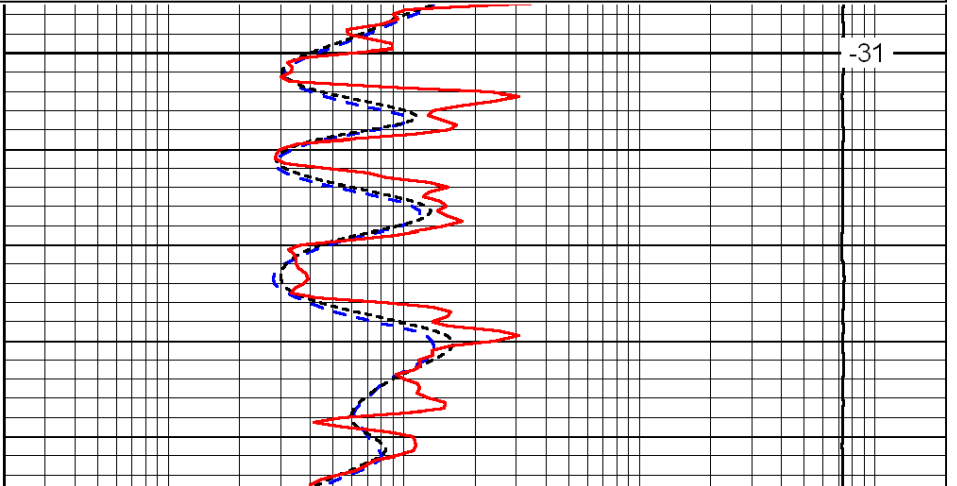
|      |           |     |
|------|-----------|-----|
| 0    | Gamma Ray | 150 |
| -200 | SP (mV)   | 0   |
| -160 | Rxo / Rt  | 40  |

|       |                     |      |
|-------|---------------------|------|
| 0.2   | Deep Resistivity    | 2000 |
| 0.2   | Medium Resistivity  | 2000 |
| 0.2   | Shallow Resistivity | 2000 |
| 15000 | Line Tension        | 0    |

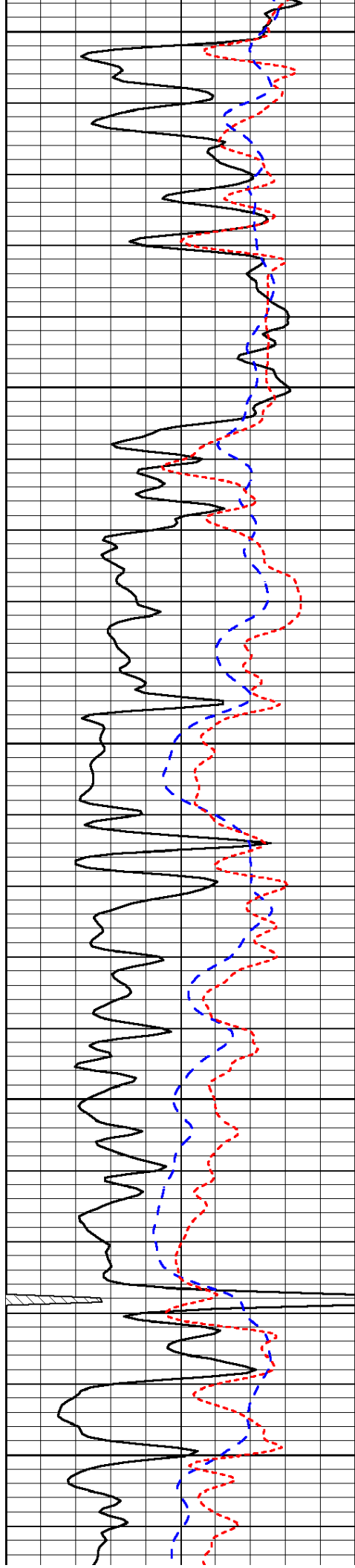
LSPD



2950



-31



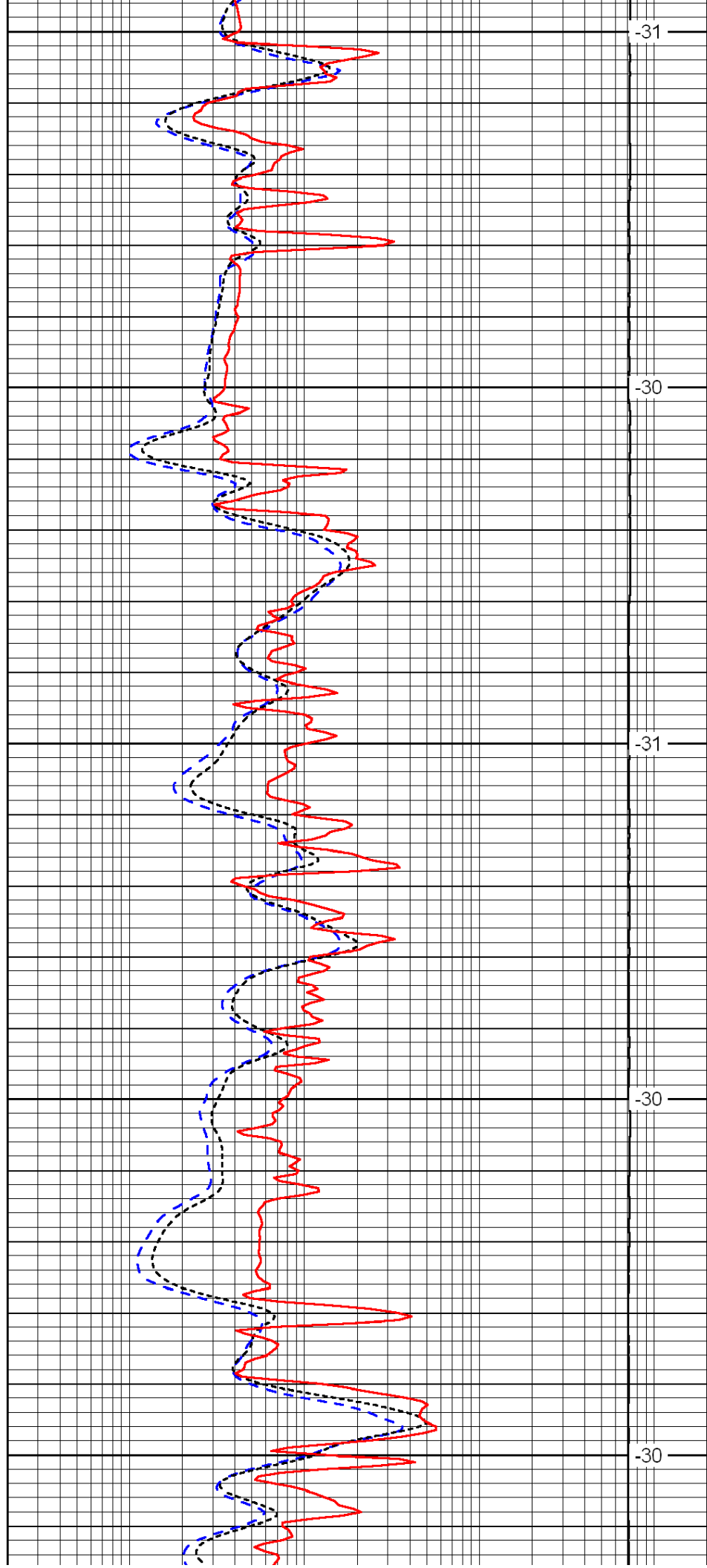
3000

3050

3100

3150

3200



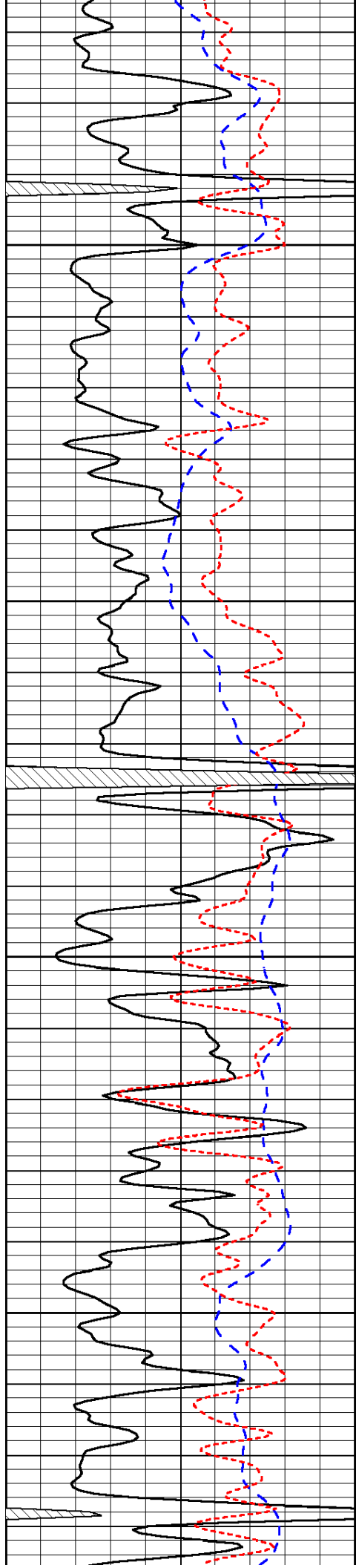
-31

-30

-31

-30

-30

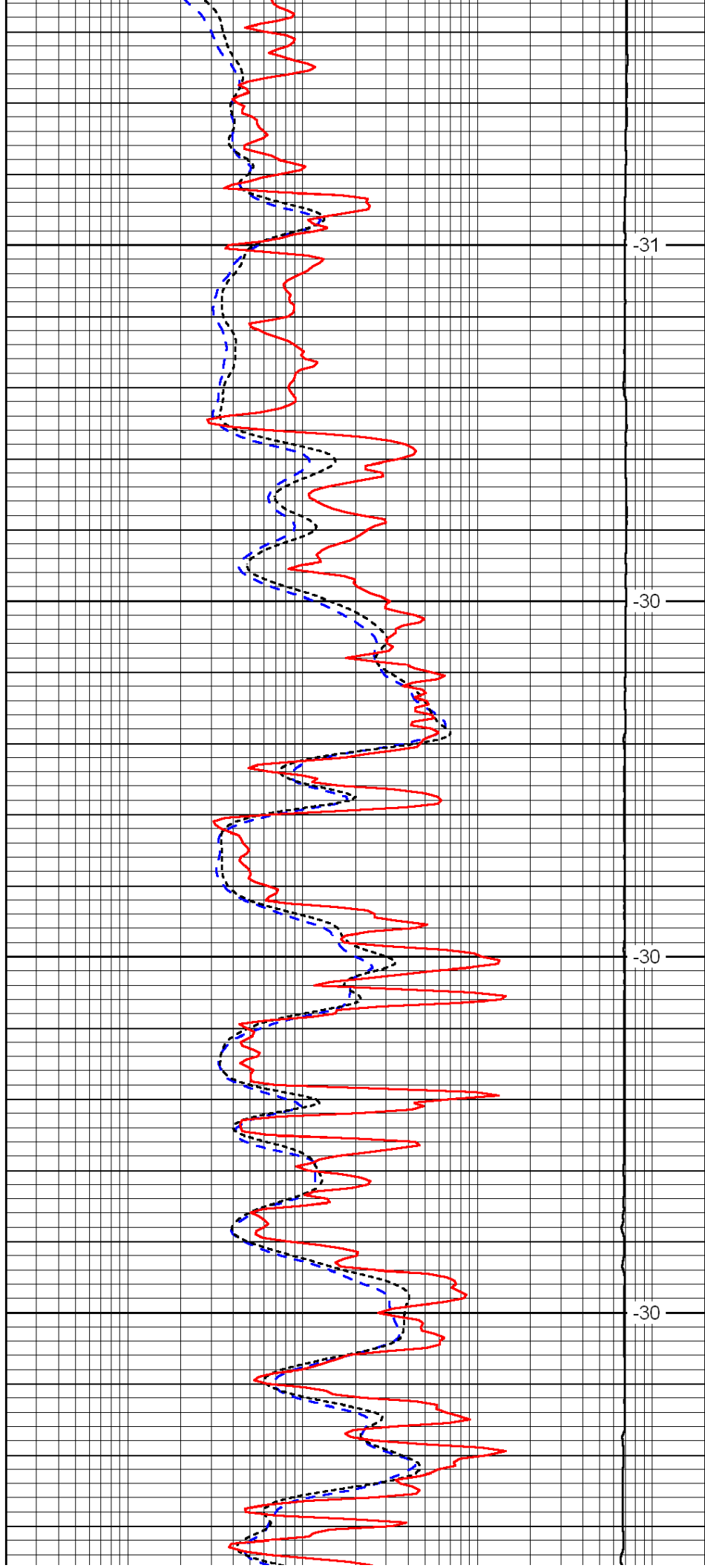


3250

3300

3350

3400

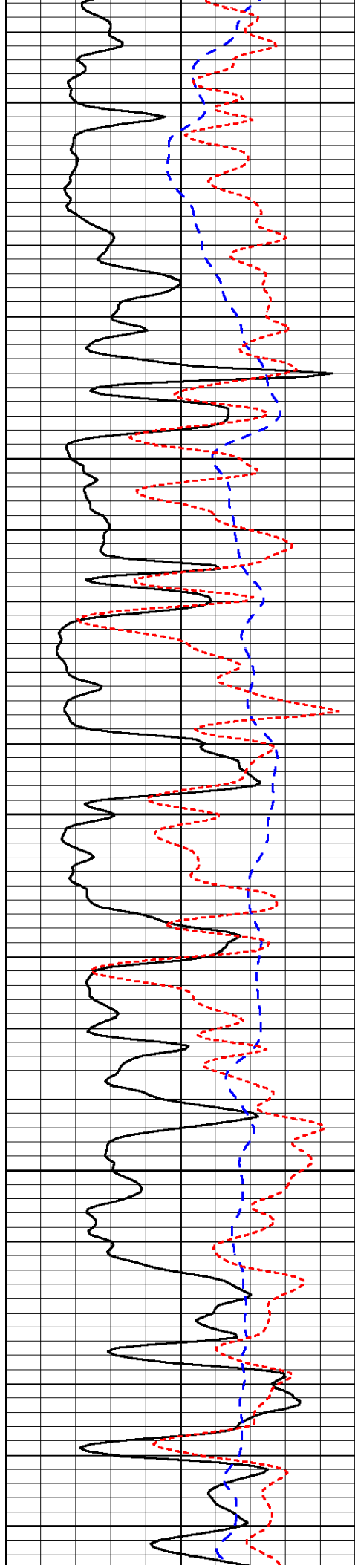


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-30

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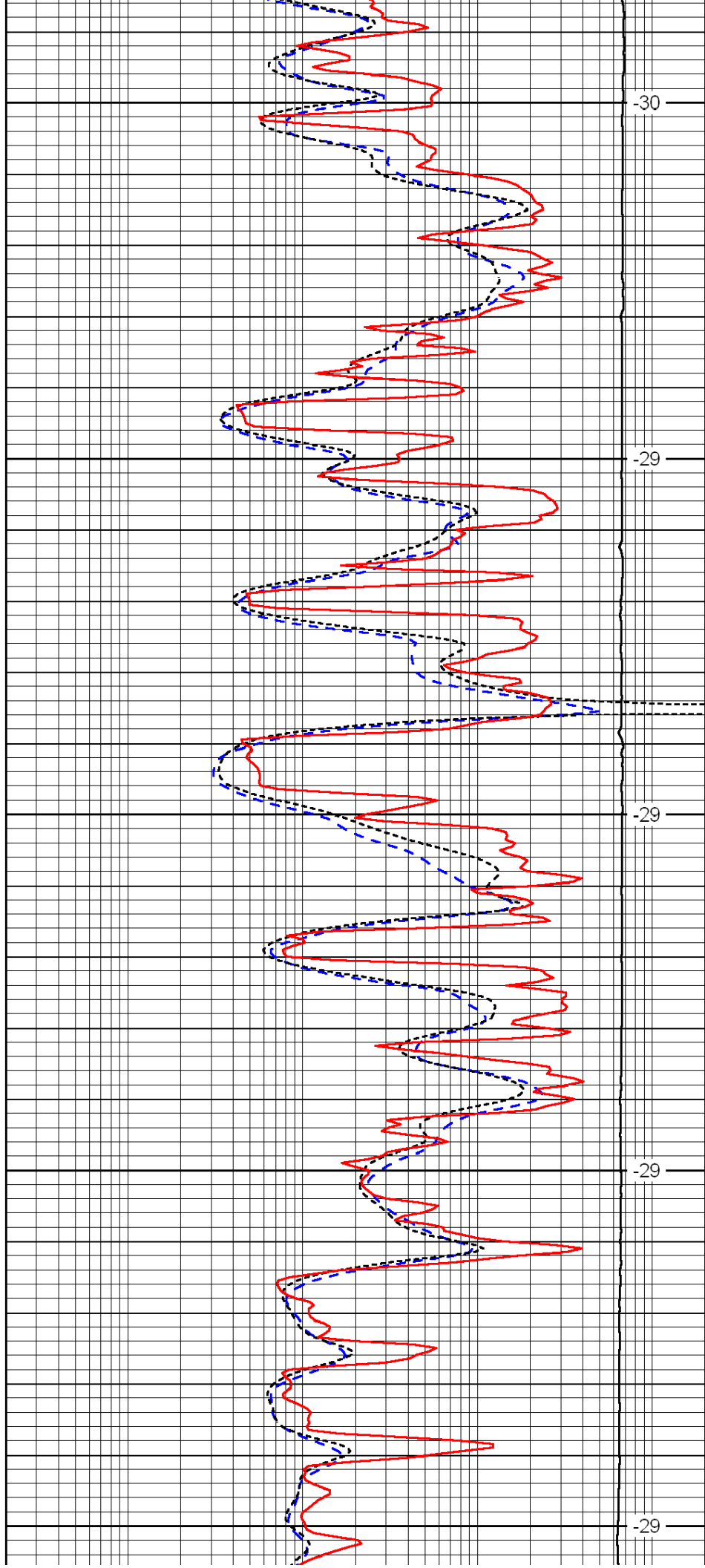
3450

3500

3550

3600

3650



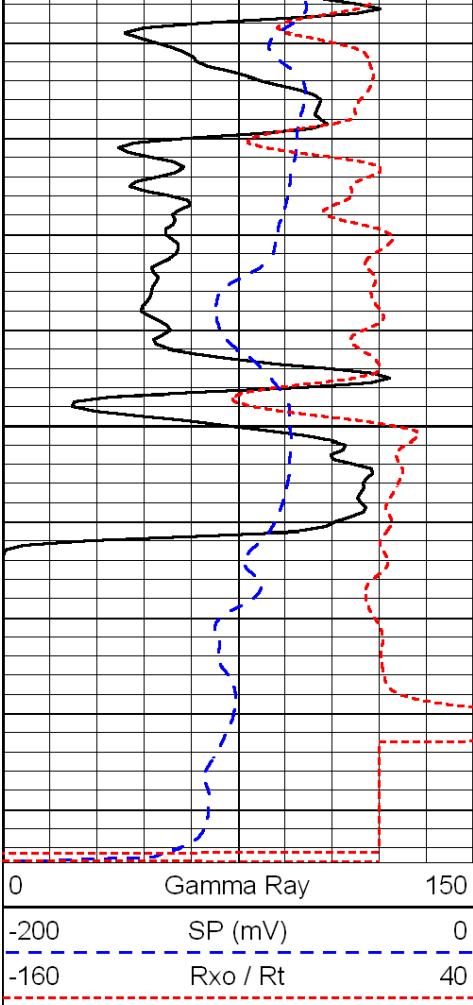
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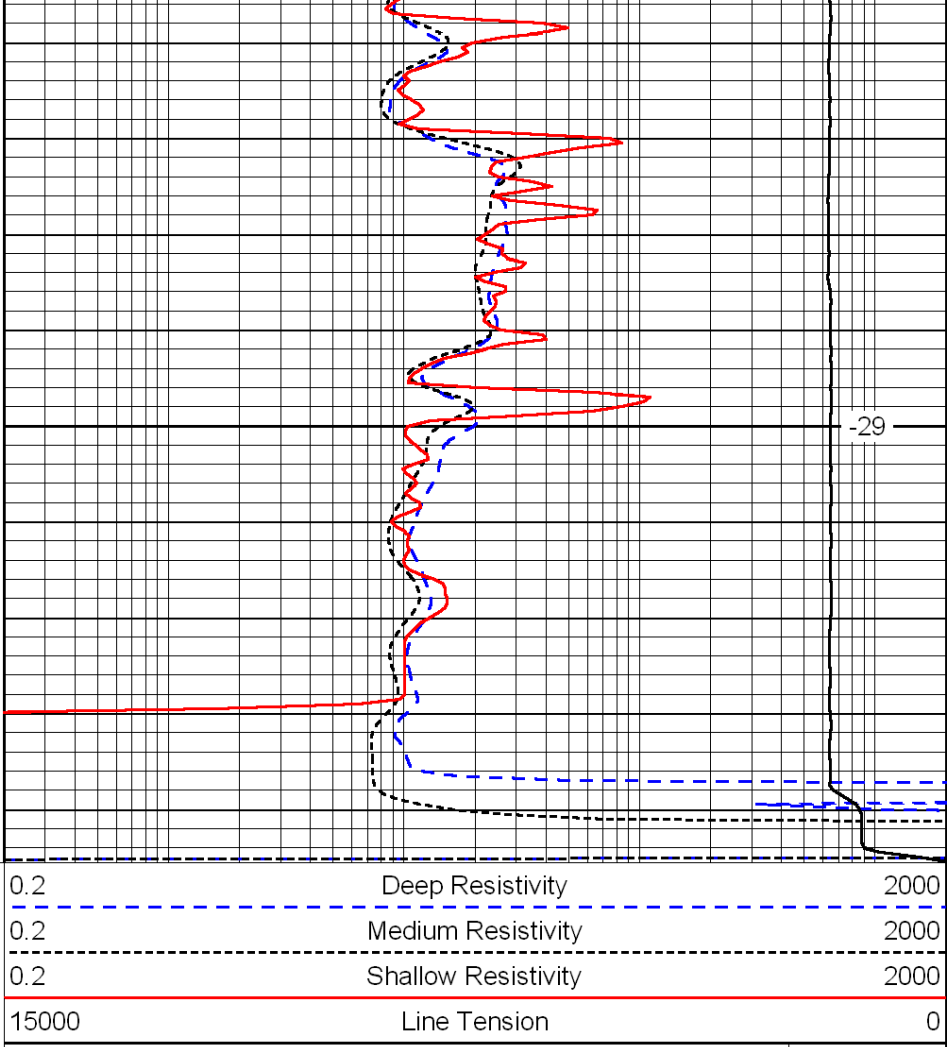
-29

-29

-29



3700



-29

LSPD