



Pioneer Energy Services

# Dual Induction Log

|                        |                                   |  |
|------------------------|-----------------------------------|--|
| API No.                | 15-009-26,081-00-00               |  |
| Company                | Weber Four Oil Company, Inc.      |  |
| Well                   | Holder 'A' No. 5                  |  |
| Field                  | Kraft-Prusa                       |  |
| County                 | Barton                            | State  |
|                        |                                   | Kansas   |
| Location               | NW-NW-SE<br>2310' FSL & 2310' FEL |  |
| Sec: 12                | Twp: 16S                          | Rge: 12W   |
| Permanent Datum        | Ground Level                      | Elevation 1885                                   |
| Log Measured From      | Kelly Bushing                     | 10 Ft. Above Perm. Datum                         |
| Drilling Measured From | Kelly Bushing                     |  |
|                        |                                   | Other Services<br>CNL/CDL<br>MEL                 |
|                        |                                   | Elevation<br>K.B. 1895<br>D.F. 1885<br>G.L. 1885 |

|                        |               |
|------------------------|---------------|
| Date                   | 2/8/15        |
| Run Number             | One           |
| Depth Driller          | 3371          |
| Depth Logger           | 3372          |
| Bottom Logged Interval | 3371          |
| Top Log Interval       | 400           |
| Casing Driller         | 8.625 @ 430   |
| Casing Logger          | 434           |
| Bit Size               | 7.875         |
| Type Fluid in Hole     | Chemical      |
| Salinity, ppm CL       | 4.000         |
| Density / Viscosity    | 9.2   49      |
| pH / Fluid Loss        | 10.0   8.0    |
| Source of Sample       | Flowline      |
| Rm @ Meas. Temp        | .65 @ 65      |
| Rmf @ Meas. Temp       | .49 @ 65      |
| Rmc @ Meas. Temp       | .88 @ 65      |
| Source of Rmf / Rmc    | Charts        |
| Rm @ BHT               | .39 @ 110     |
| Operating Rig Time     | 3 Hours       |
| Max Rec. Temp. F       | 110           |
| Equipment Number       | 91            |
| Location               | Hays          |
| Recorded By            | J. Henrickson |
| Witnessed By           | Wyatt Urban   |

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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

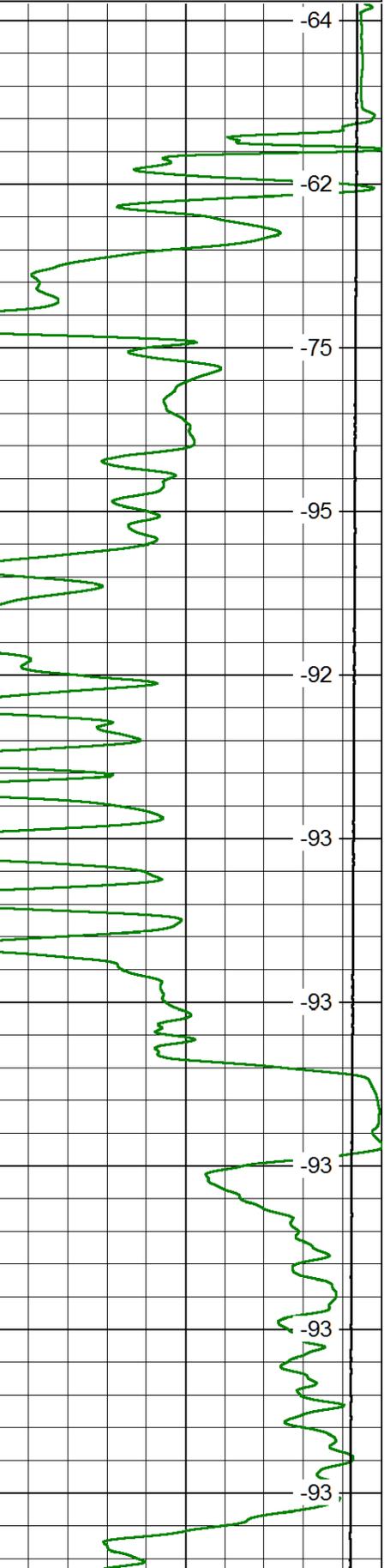
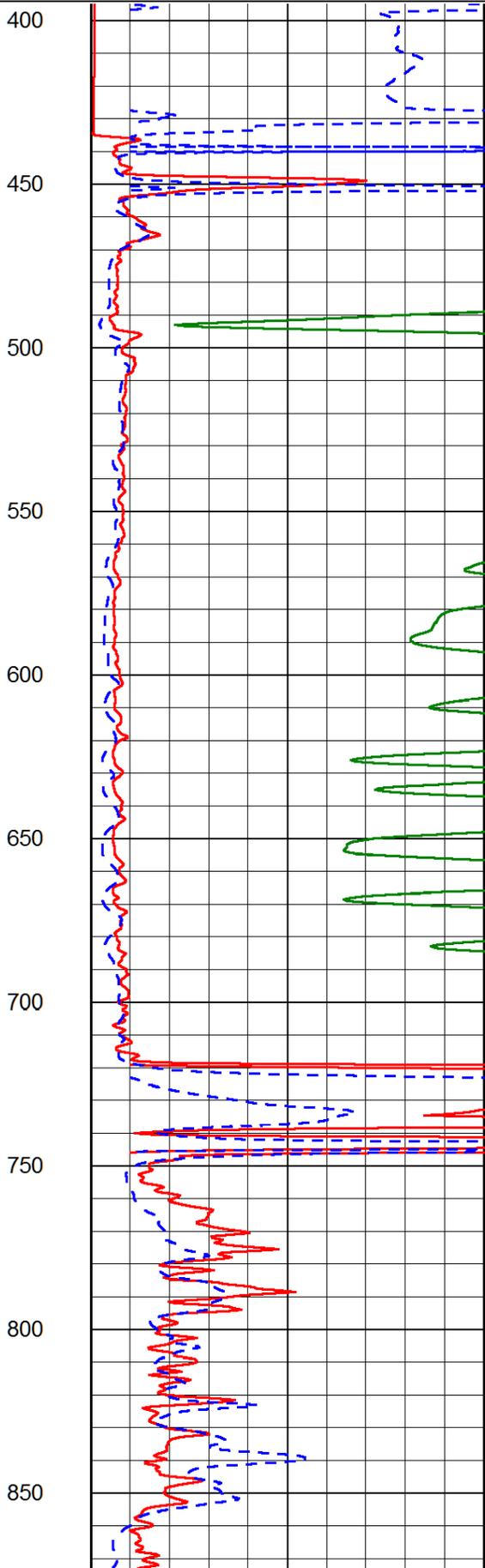
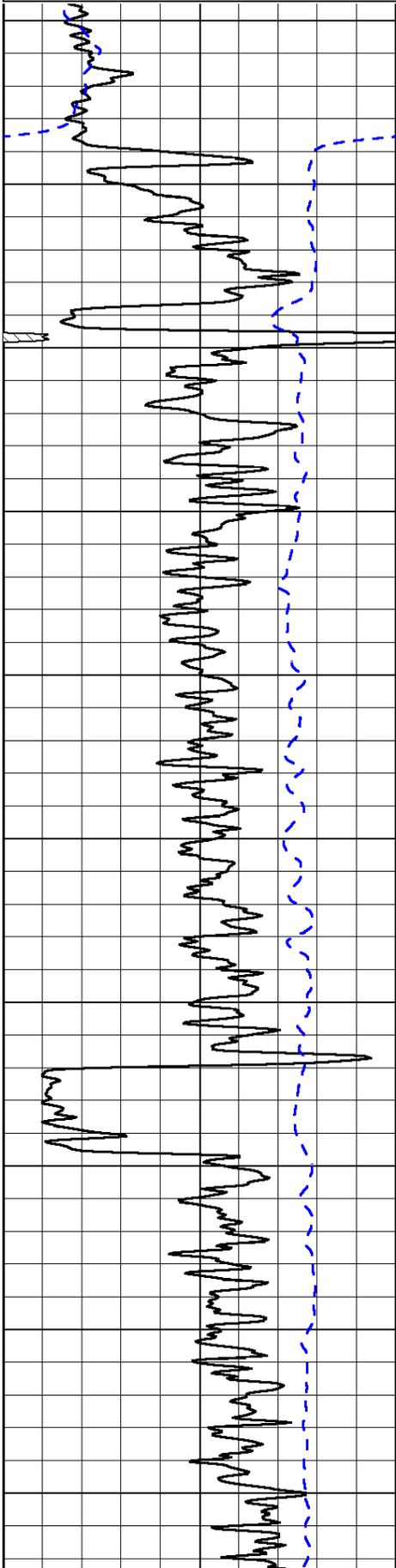
Odin Kansas  
7 North, 1 East, 1/2 North, West Into

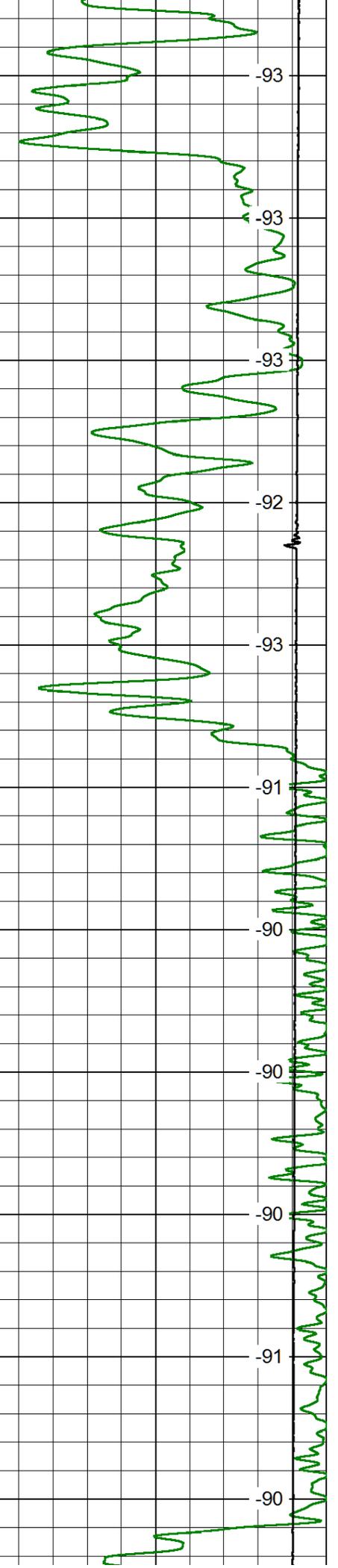
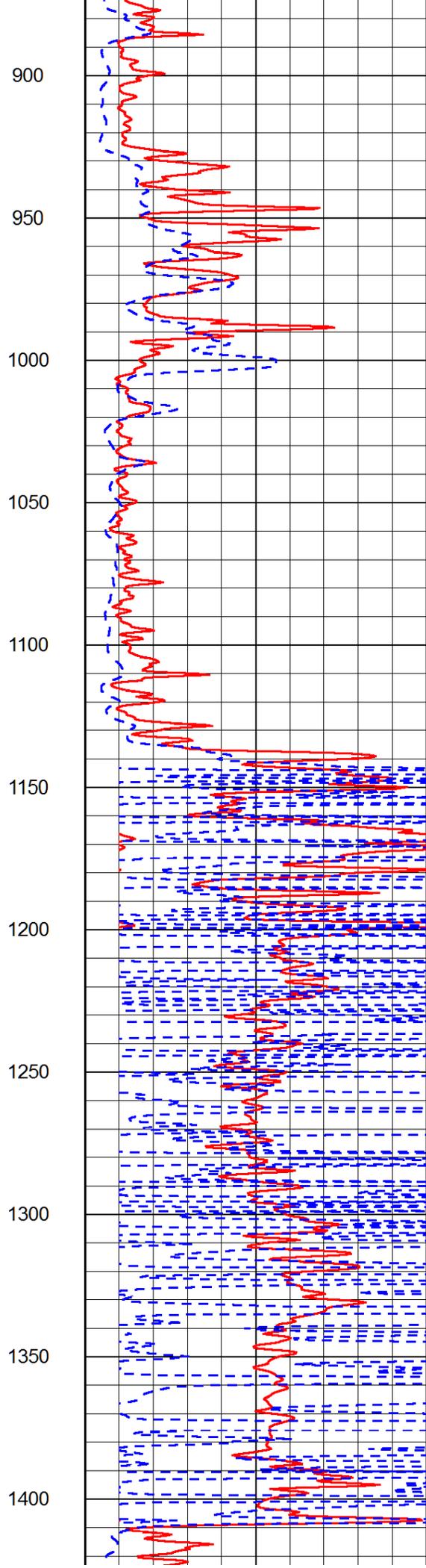
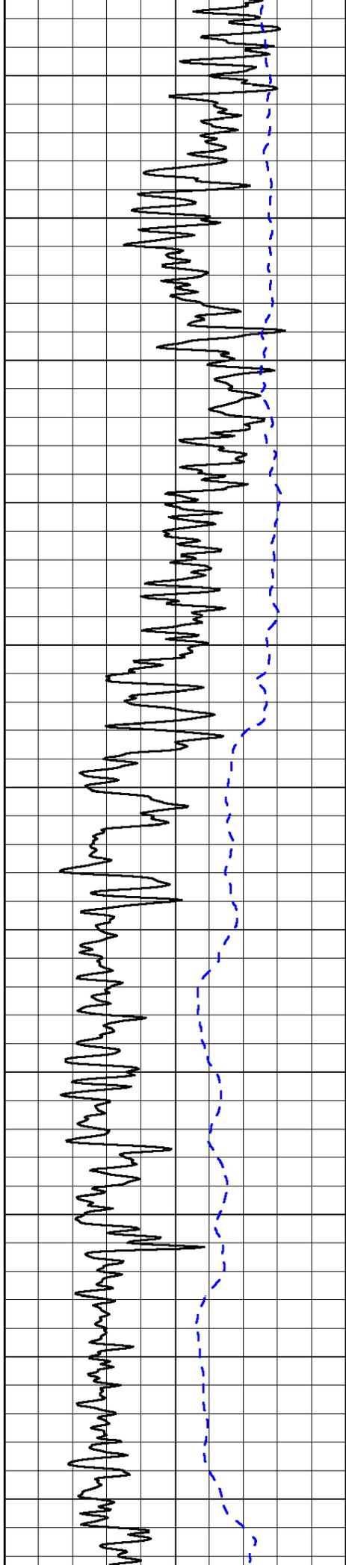
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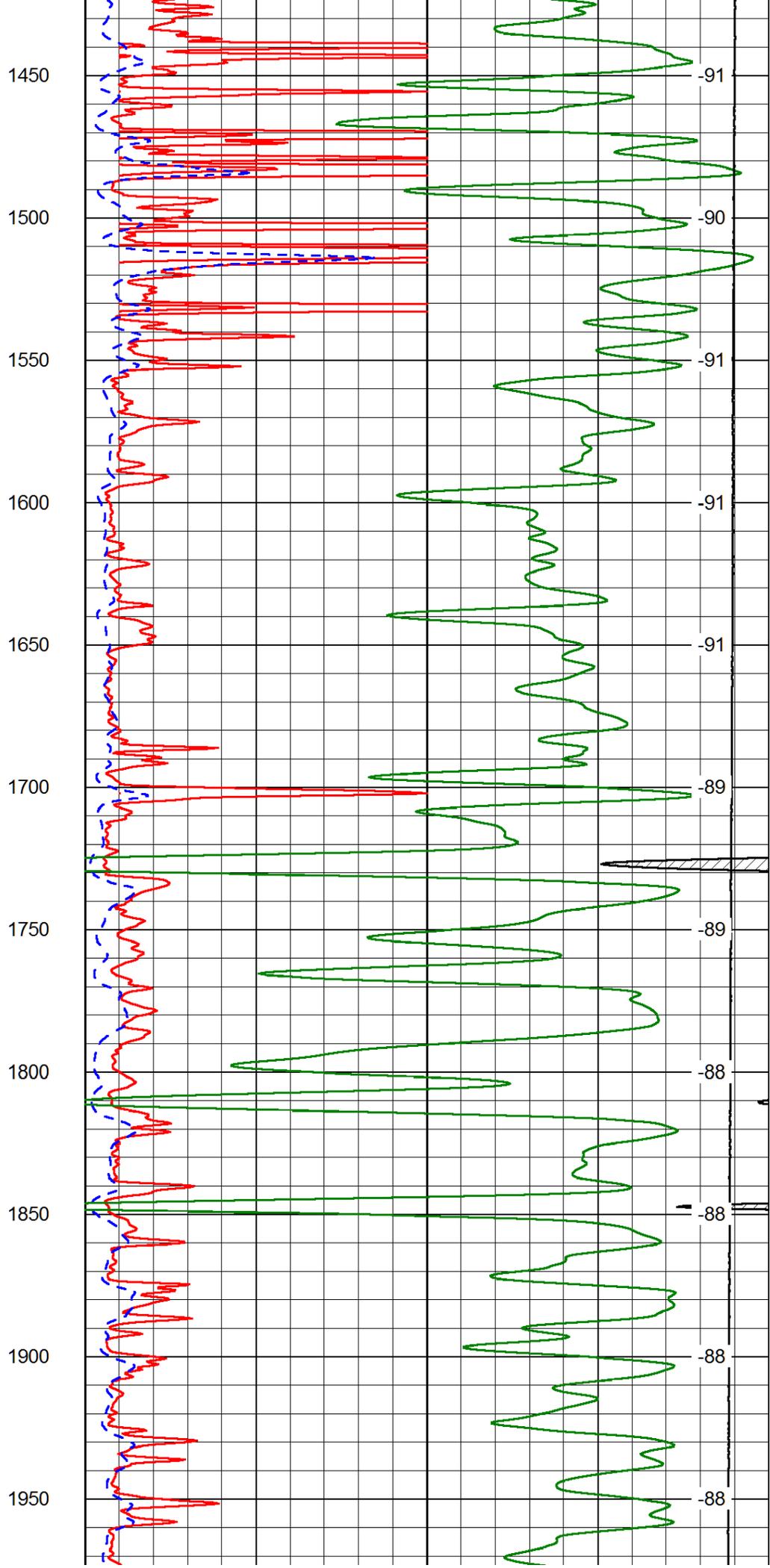
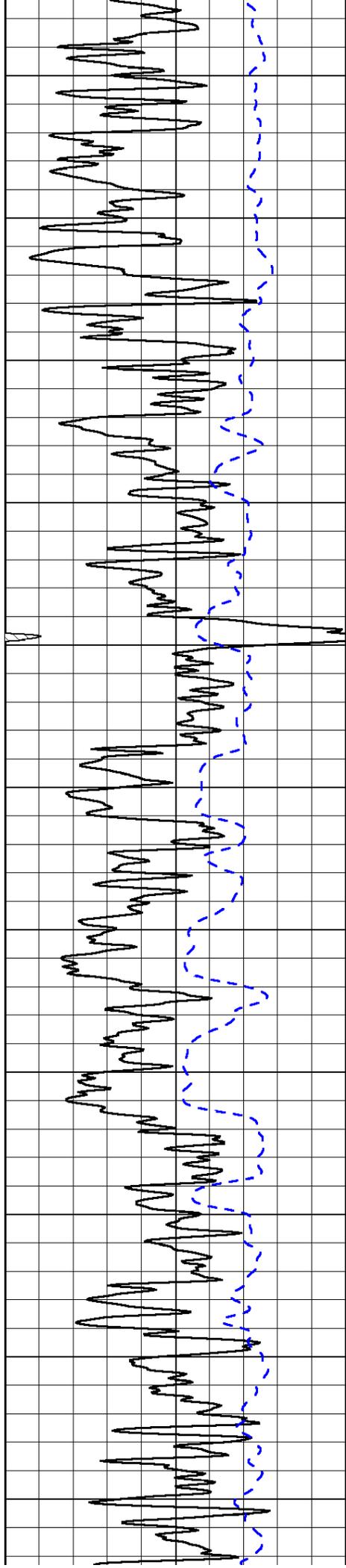
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-200 SP (mV) 0

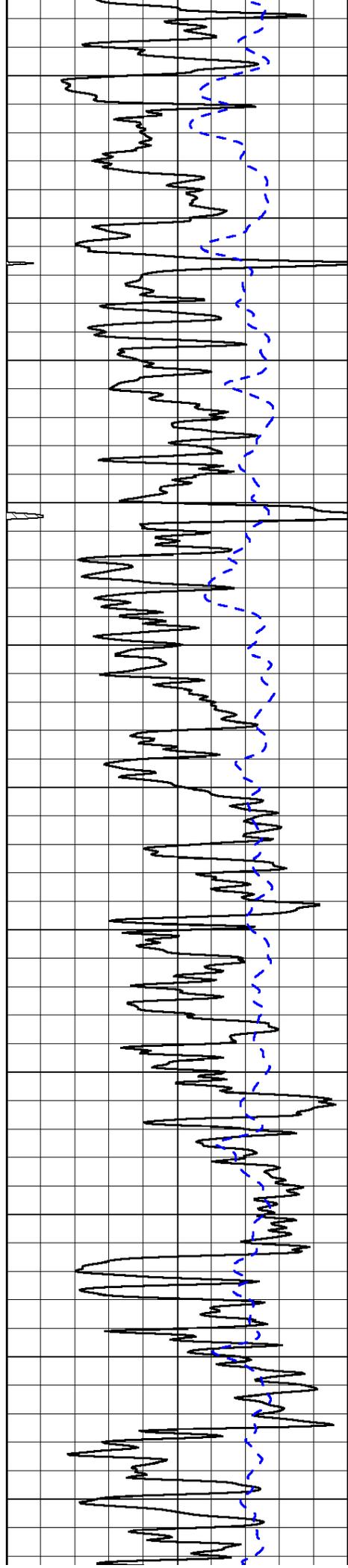
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0 Deep Resistivity 50  
1000 Conductivity 0  
15000 Line Tension 0  
50 Shallow Resistivity 500  
50 Deep Resistivity 500

LSPD

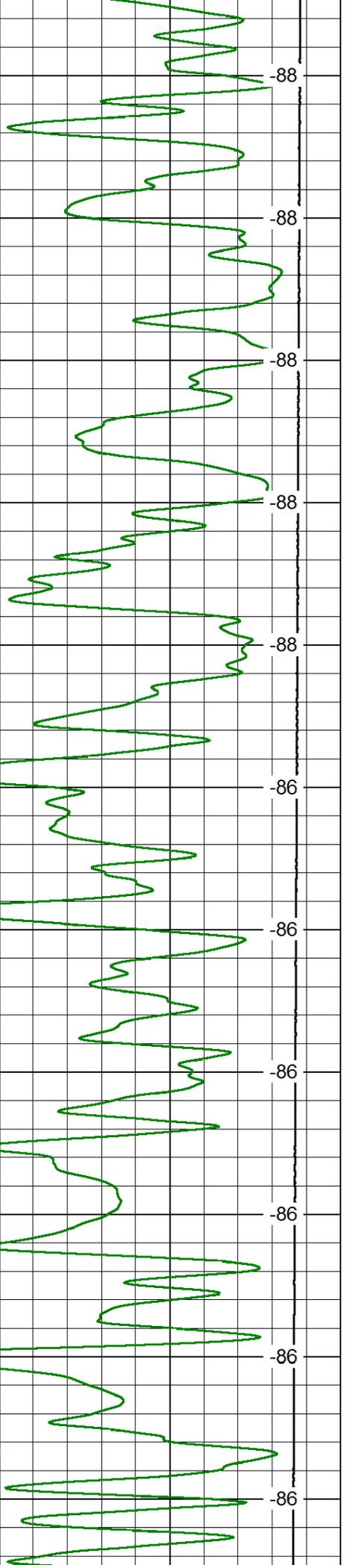
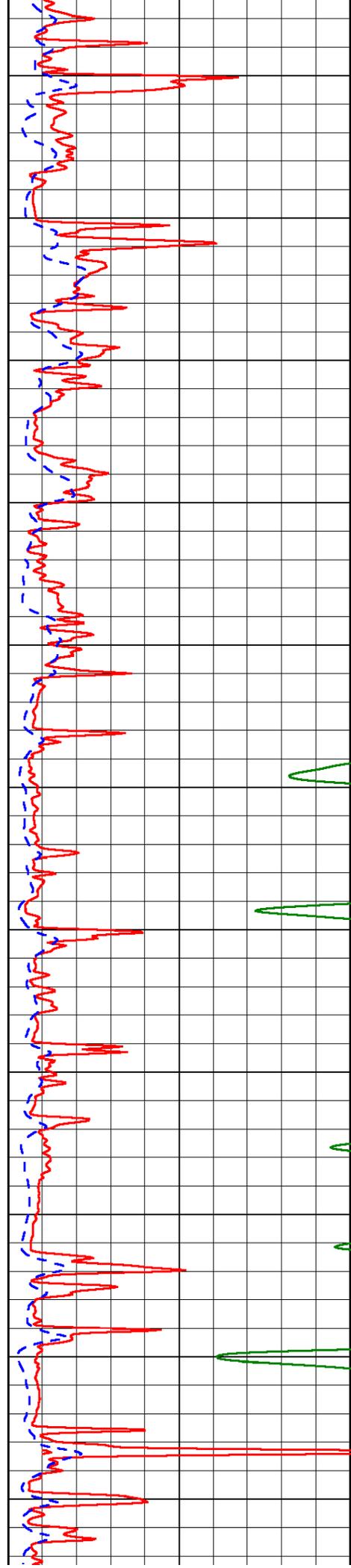




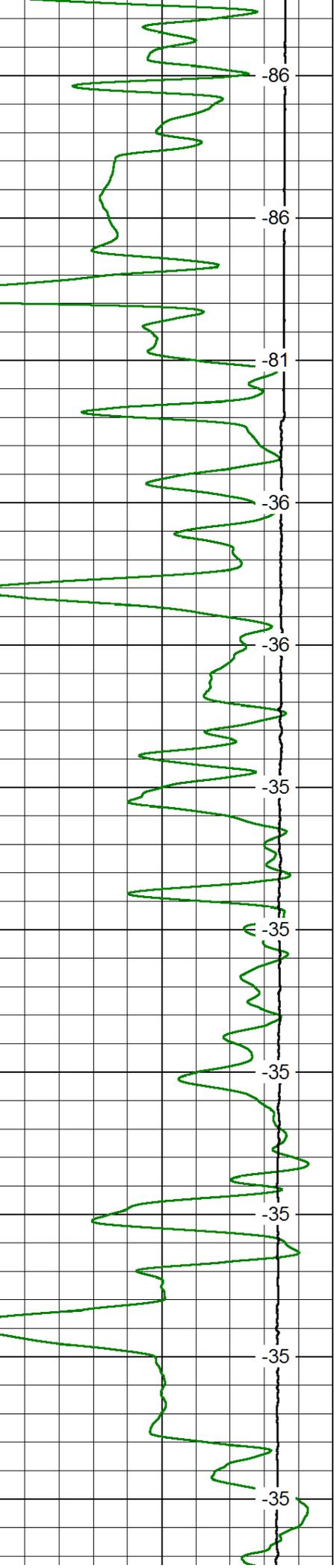
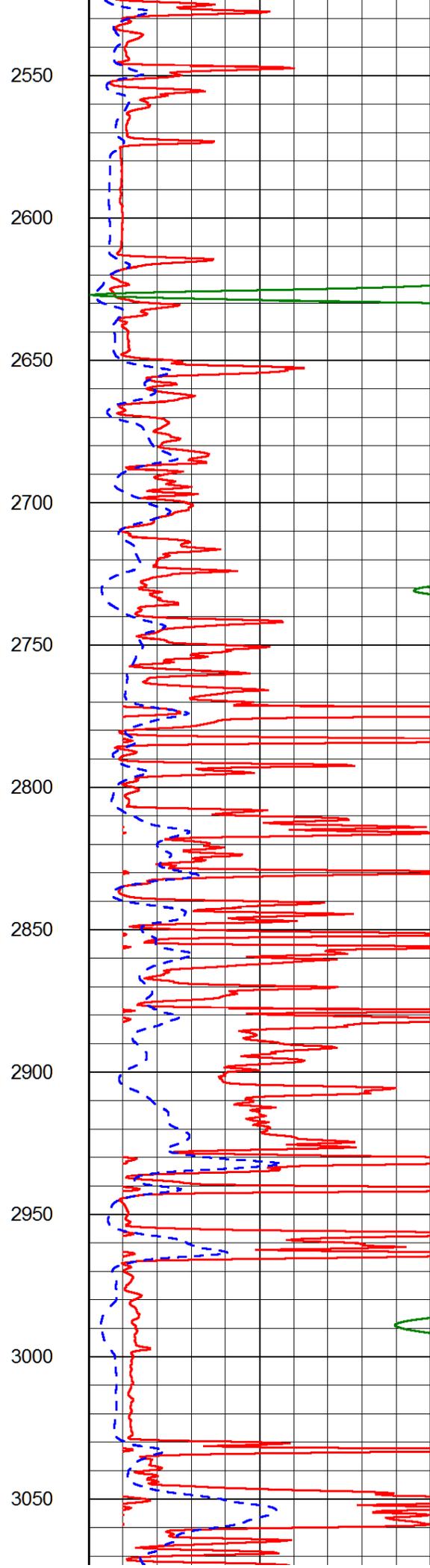
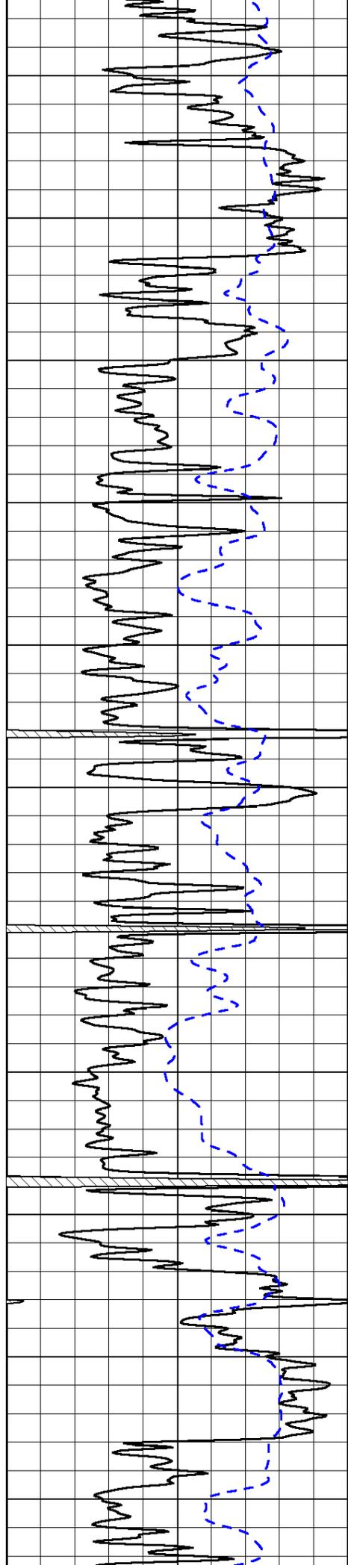


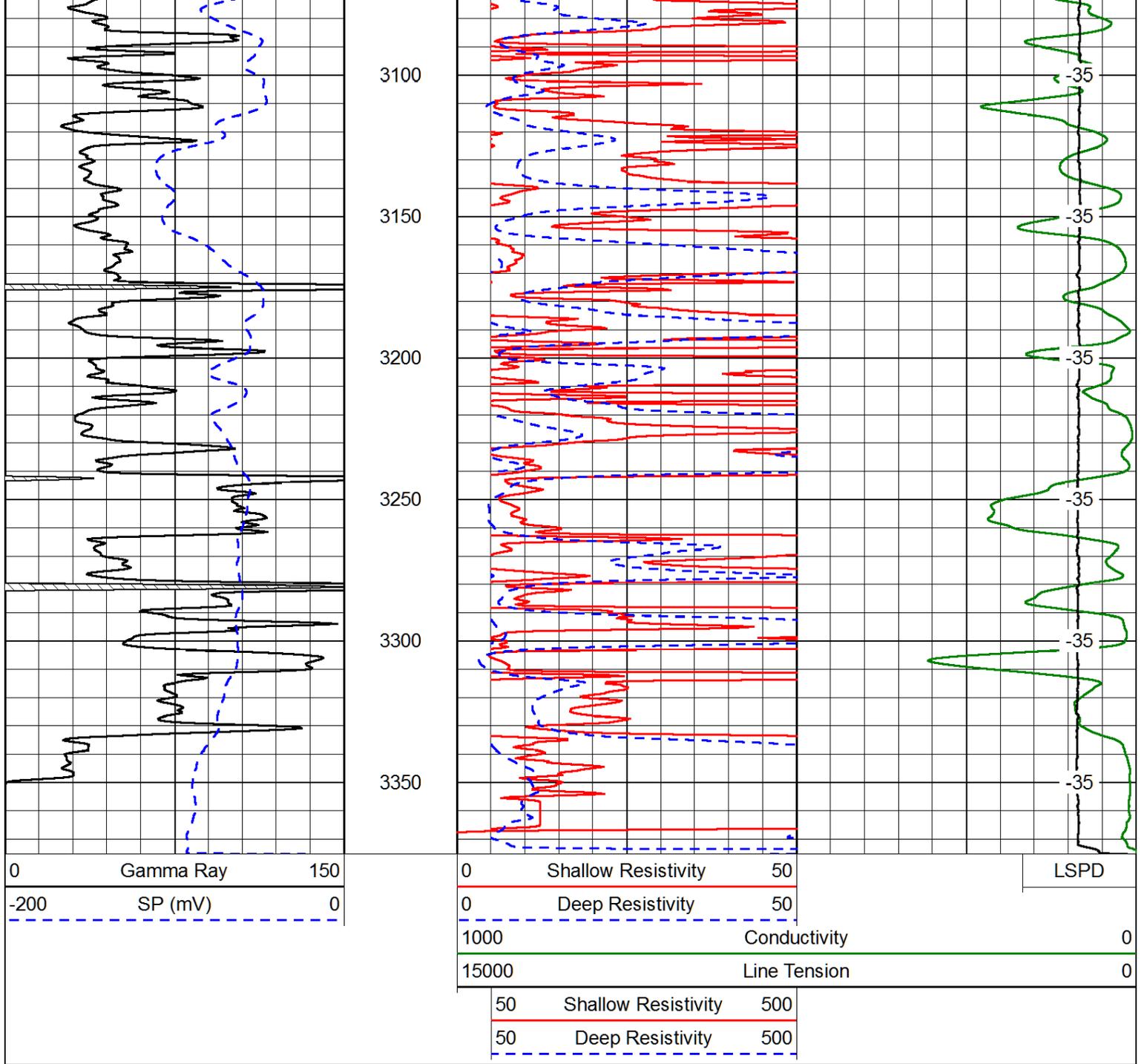


2000  
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2200  
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2300  
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2500

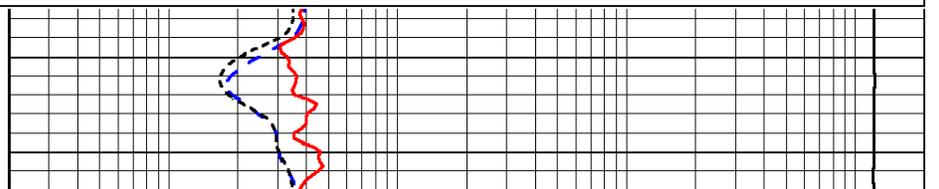
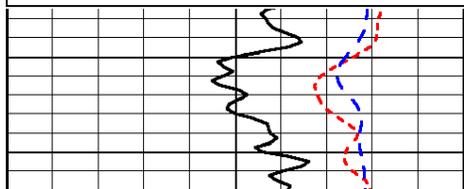
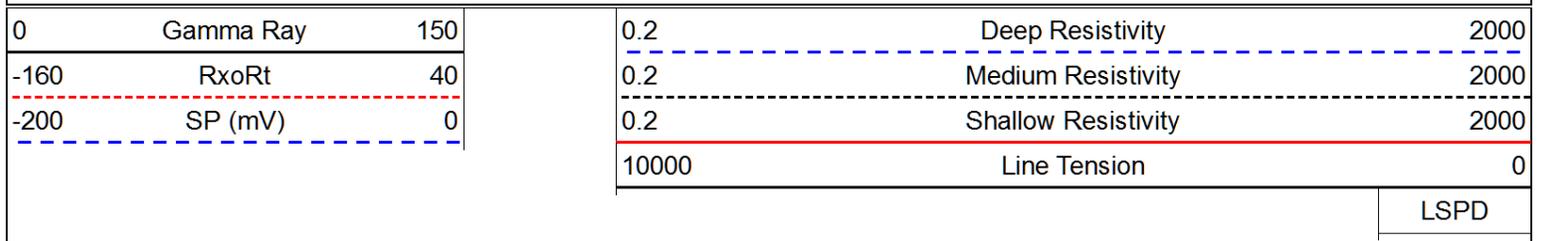


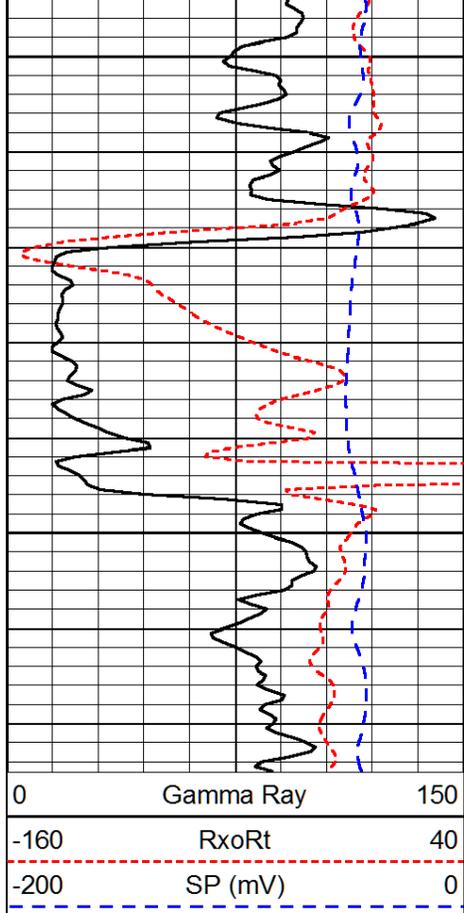
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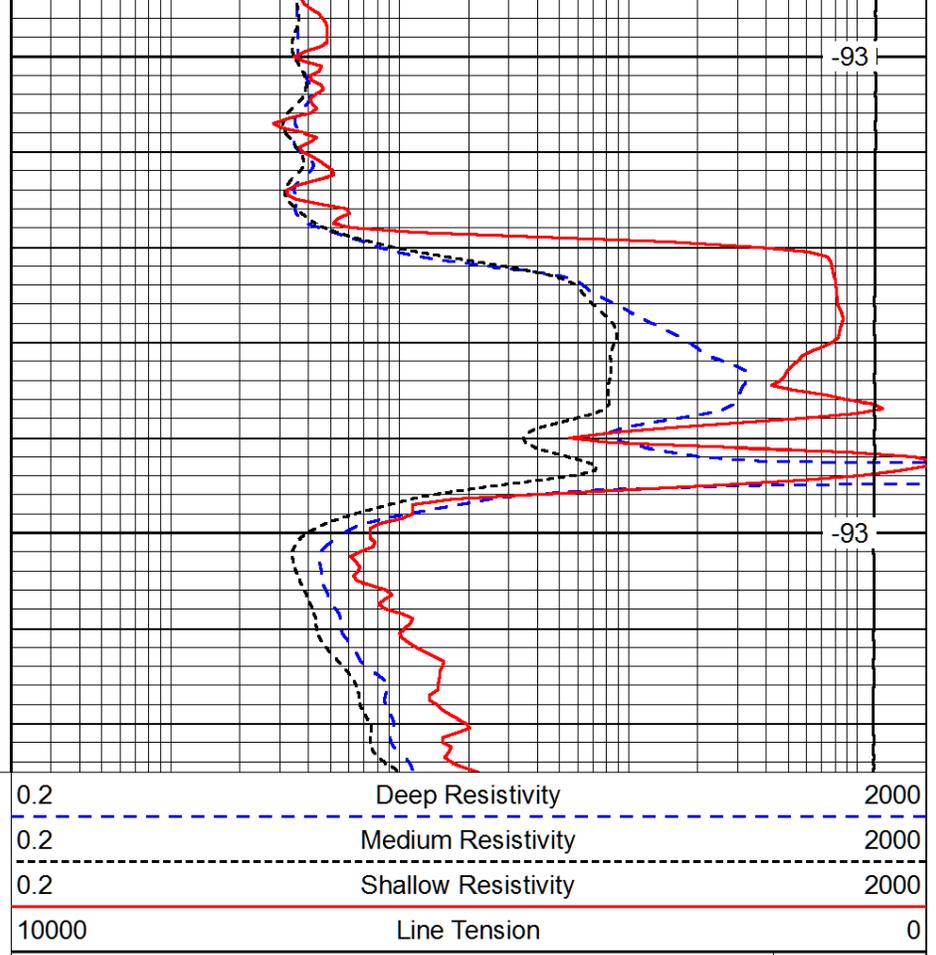
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700

750

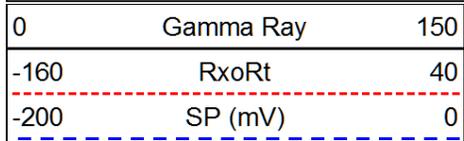


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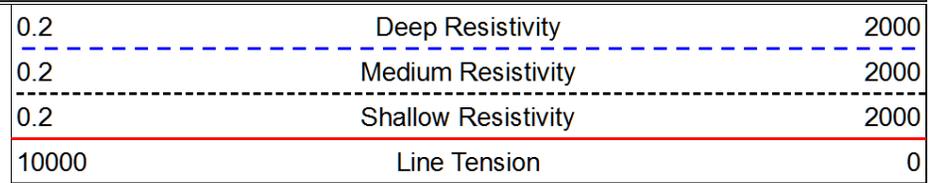
LSPD

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2700

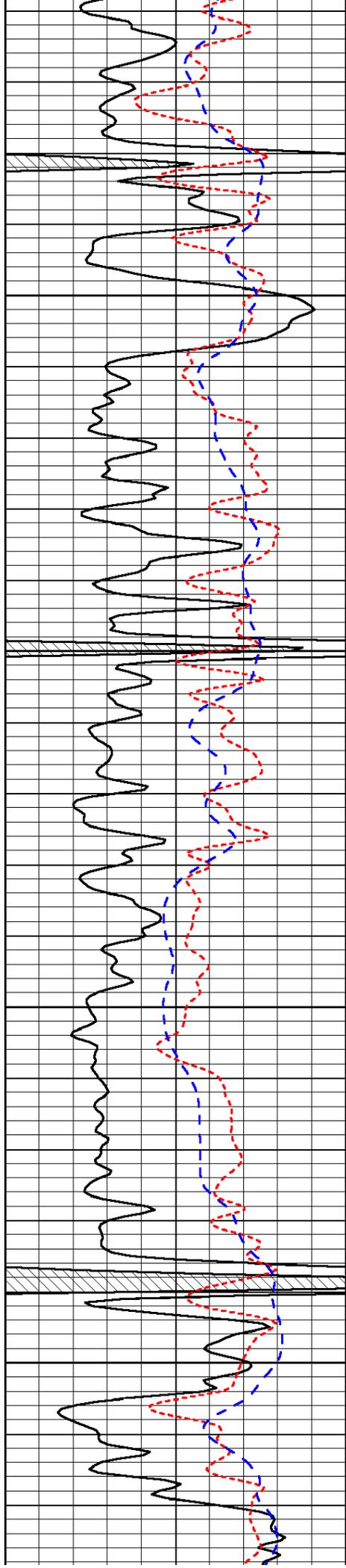
2750



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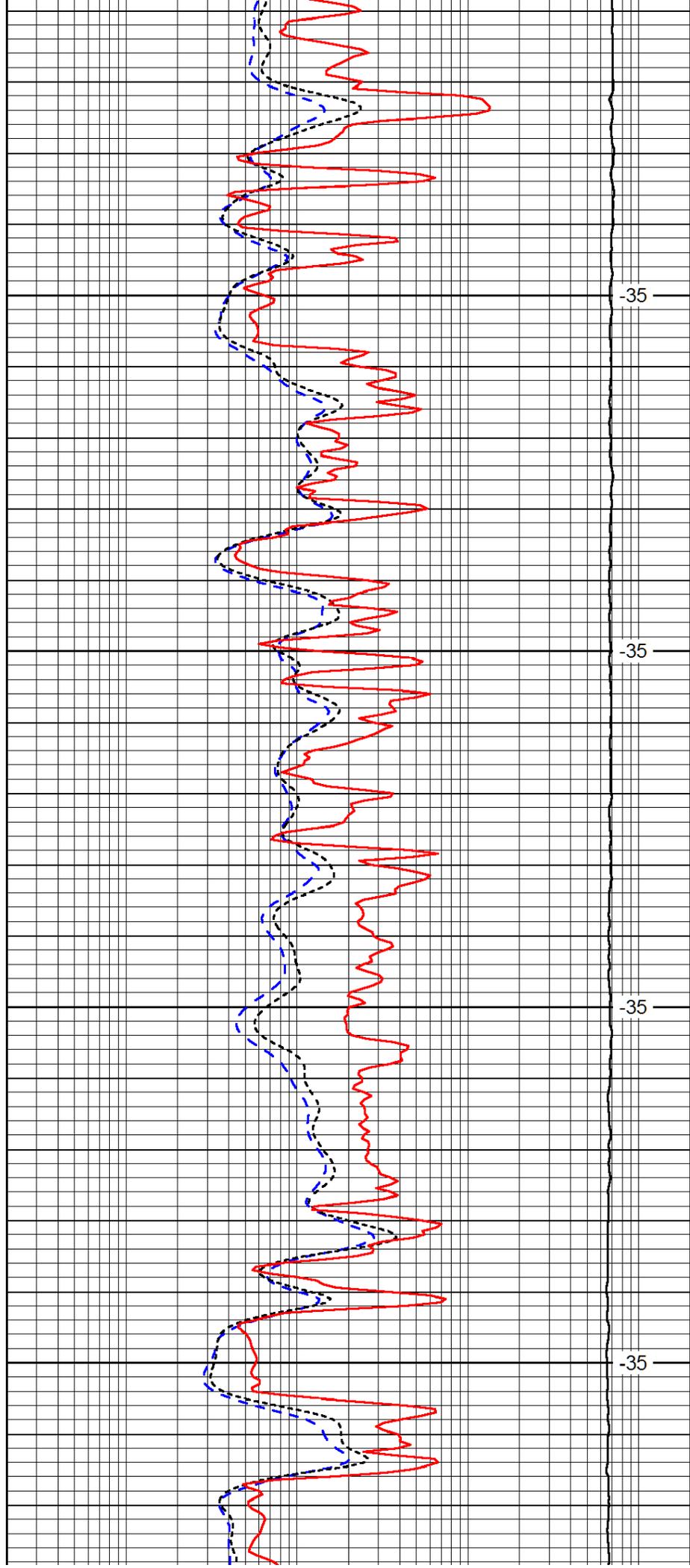


2800

2850

2900

2950

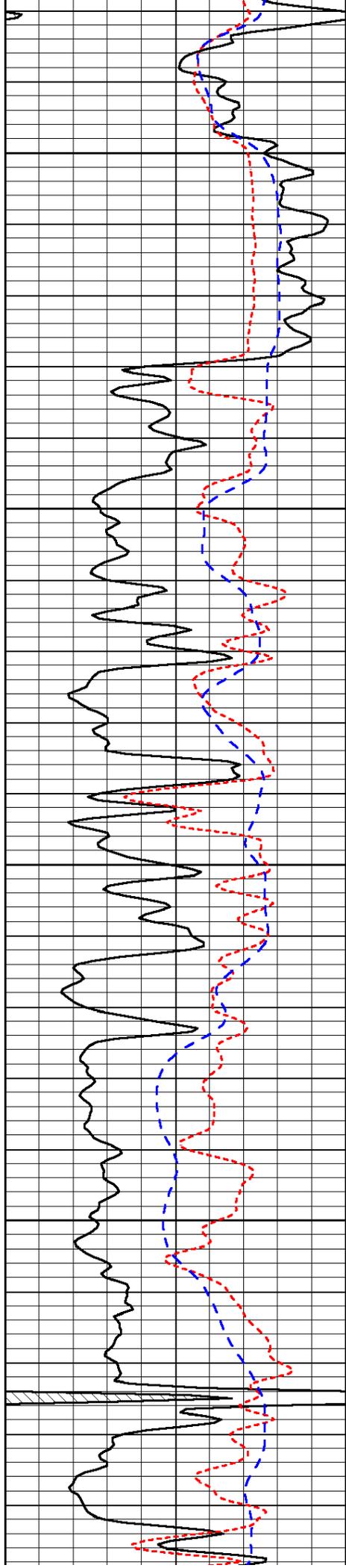


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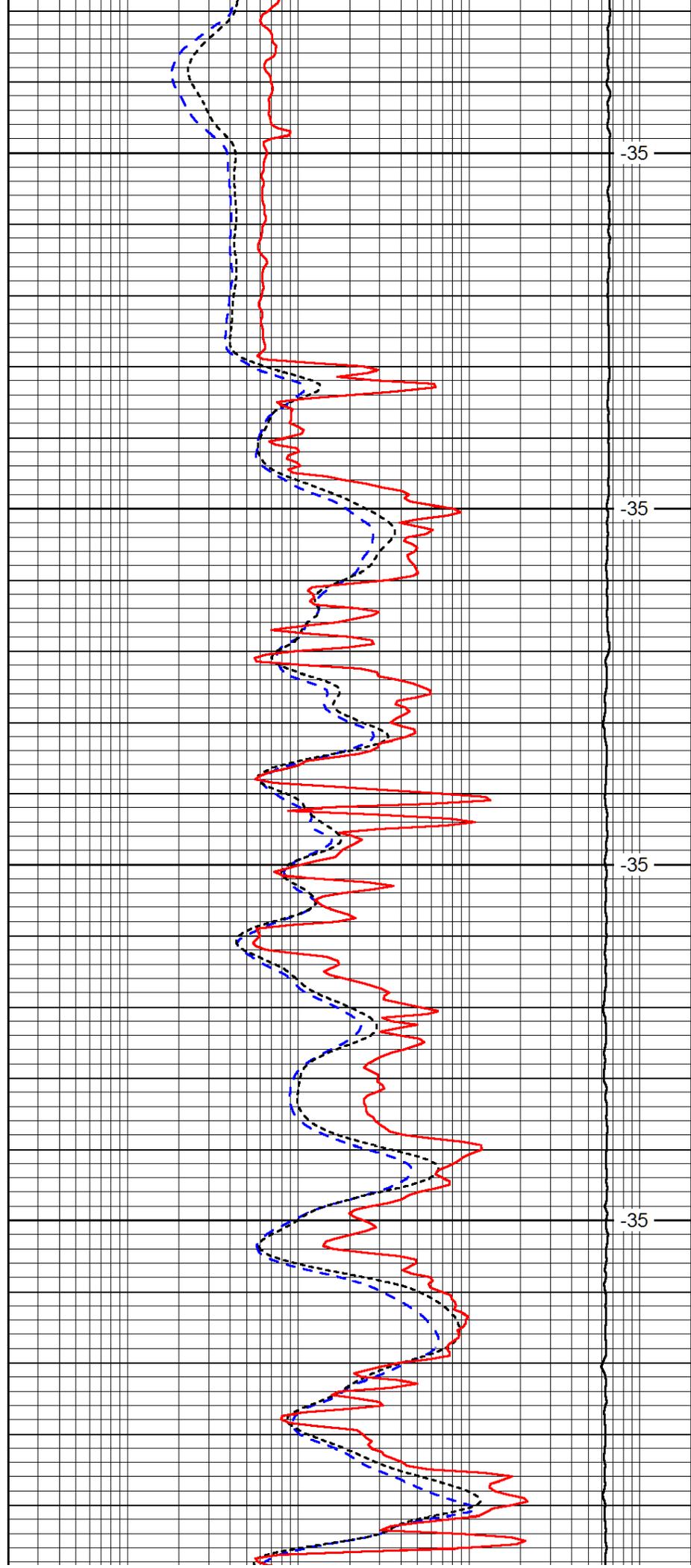


3000

3050

3100

3150

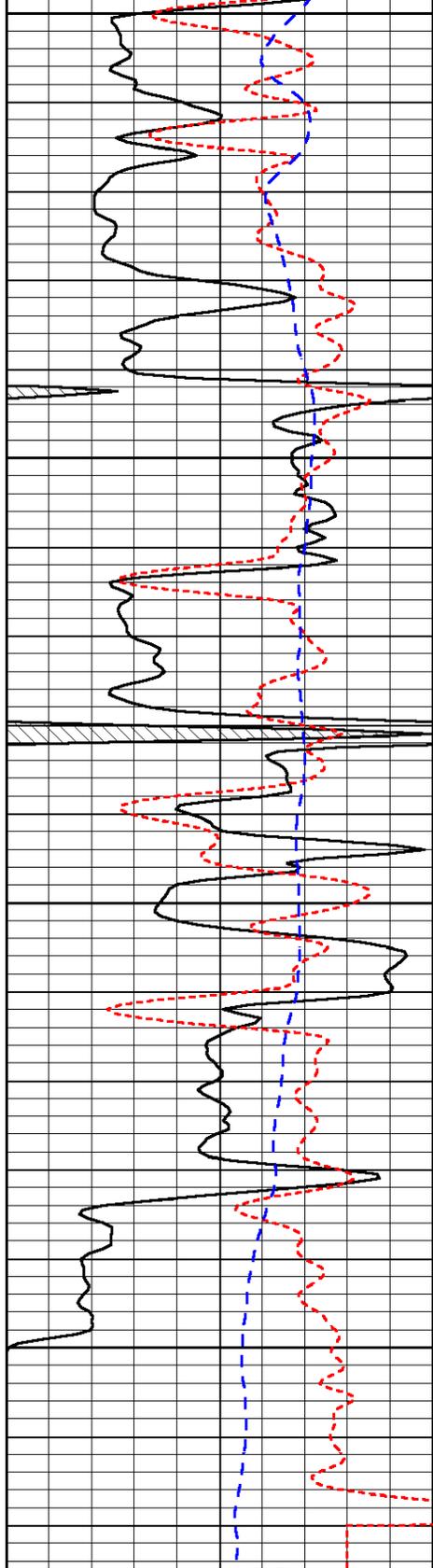


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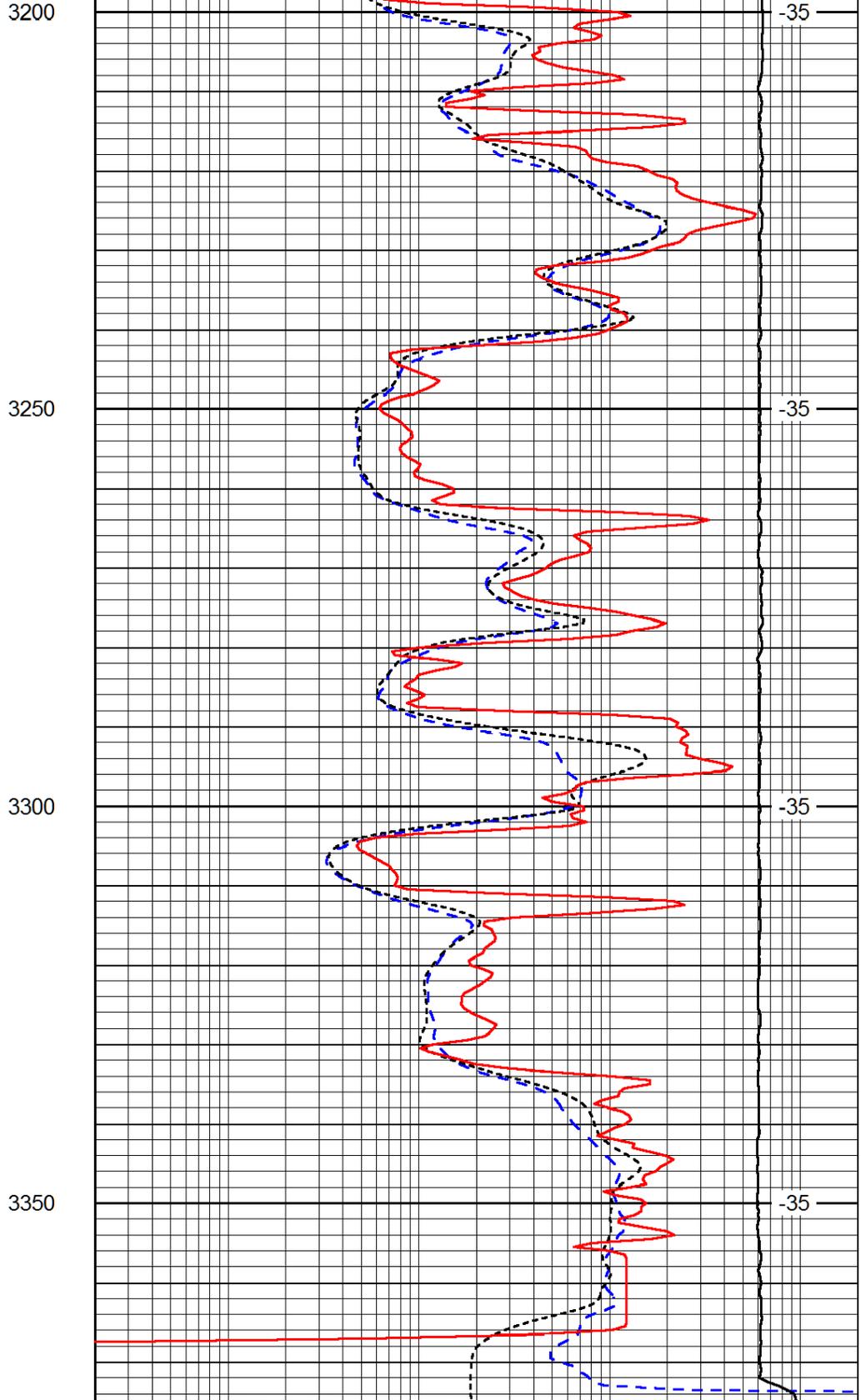
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|      |           |     |
|------|-----------|-----|
| 0    | Gamma Ray | 150 |
| -160 | RxoRt     | 40  |
| -200 | SP (mV)   | 0   |



|       |                     |      |
|-------|---------------------|------|
| 0.2   | Deep Resistivity    | 2000 |
| 0.2   | Medium Resistivity  | 2000 |
| 0.2   | Shallow Resistivity | 2000 |
| 10000 | Line Tension        | 0    |

LSPD