



## Dual Induction Log

DIGITAL LOG (785) 625-3858

|                        |                           |                          |                                       |
|------------------------|---------------------------|--------------------------|---------------------------------------|
| API No.                | Company Berexco, Inc.     |                          |                                       |
| 15-093-21,853-00-00    | Well Patterson Unit #2-23 |                          |                                       |
|                        | Field Patterson           |                          |                                       |
|                        | County Kearny             | State                    | Kansas                                |
|                        | Location                  | 2067' FSL & 1224' FEL    |                                       |
|                        | Sec: 23                   | Twp: 22 S                | Rge: 38 W                             |
| Permanent Datum        | Ground Level              | Elevation 3321           | Other Services<br>CNL/CDL<br>MEL/BHCS |
| Log Measured From      | Kelly Bushing             | 13 Ft. Above Perm. Datum | K.B. 3334                             |
| Drilling Measured From | Kelly Bushing             |                          | D.F. 3321                             |
| Date                   | 03/15/2010                |                          |                                       |
| Run Number             | One                       |                          |                                       |
| Depth Driller          | 4950                      |                          |                                       |
| Depth Logger           | 4952                      |                          |                                       |
| Bottom Logged Interval | 4951                      |                          |                                       |
| Top Log Interval       | 1650                      |                          |                                       |
| Casing Driller         | 8.625 @ 1700              |                          |                                       |
| Casing Logger          | 1694                      |                          |                                       |
| Bit Size               | 7.875                     |                          |                                       |
| Type Fluid in Hole     | Chemical                  |                          |                                       |
| Salinity, ppm CL       | 5.300                     |                          |                                       |
| Density / Viscosity    | 9.7 50                    |                          |                                       |
| pH / Fluid Loss        | 9.0 8.8                   |                          |                                       |
| Source of Sample       | Flowline                  |                          |                                       |
| Rm @ Meas. Temp        | .44 @ 55                  |                          |                                       |
| Rmf @ Meas. Temp       | .33 @ 55                  |                          |                                       |
| Rmc @ Meas. Temp       | .59 @ 55                  |                          |                                       |
| Source of Rmf / Rmc    | Charts                    |                          |                                       |
| Rm @ BHT               | .19 @ 128                 |                          |                                       |
| Operating Rig Time     | 5 Hours                   |                          |                                       |
| Max Rec. Temp. F       | 128                       |                          |                                       |
| Equipment Number       | 4                         |                          |                                       |
| Location               | Hays                      |                          |                                       |
| Recorded By            | K. Bange                  |                          |                                       |
| Witnessed By           | Evan Mayhew               |                          |                                       |

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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.

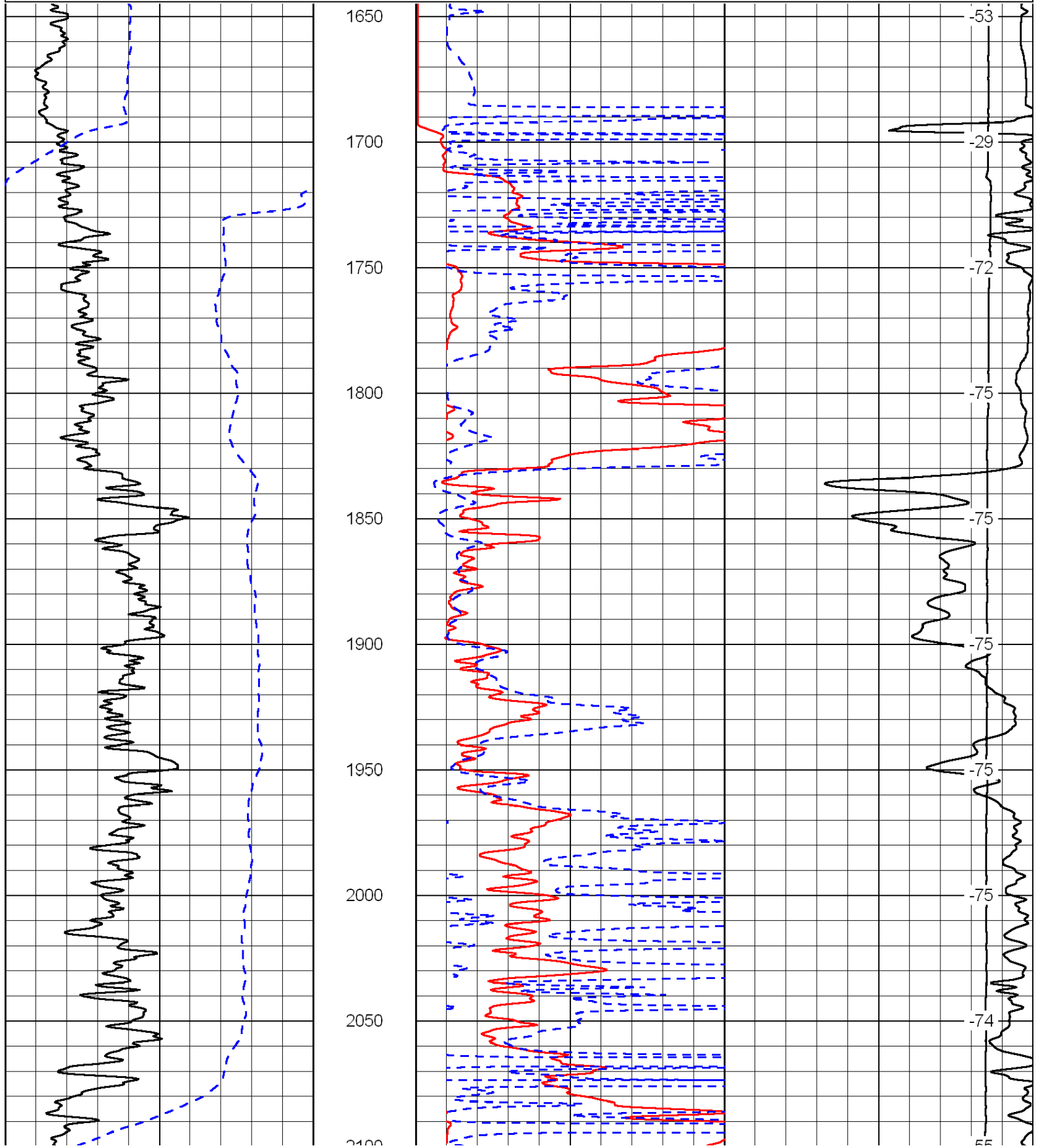
### Comments

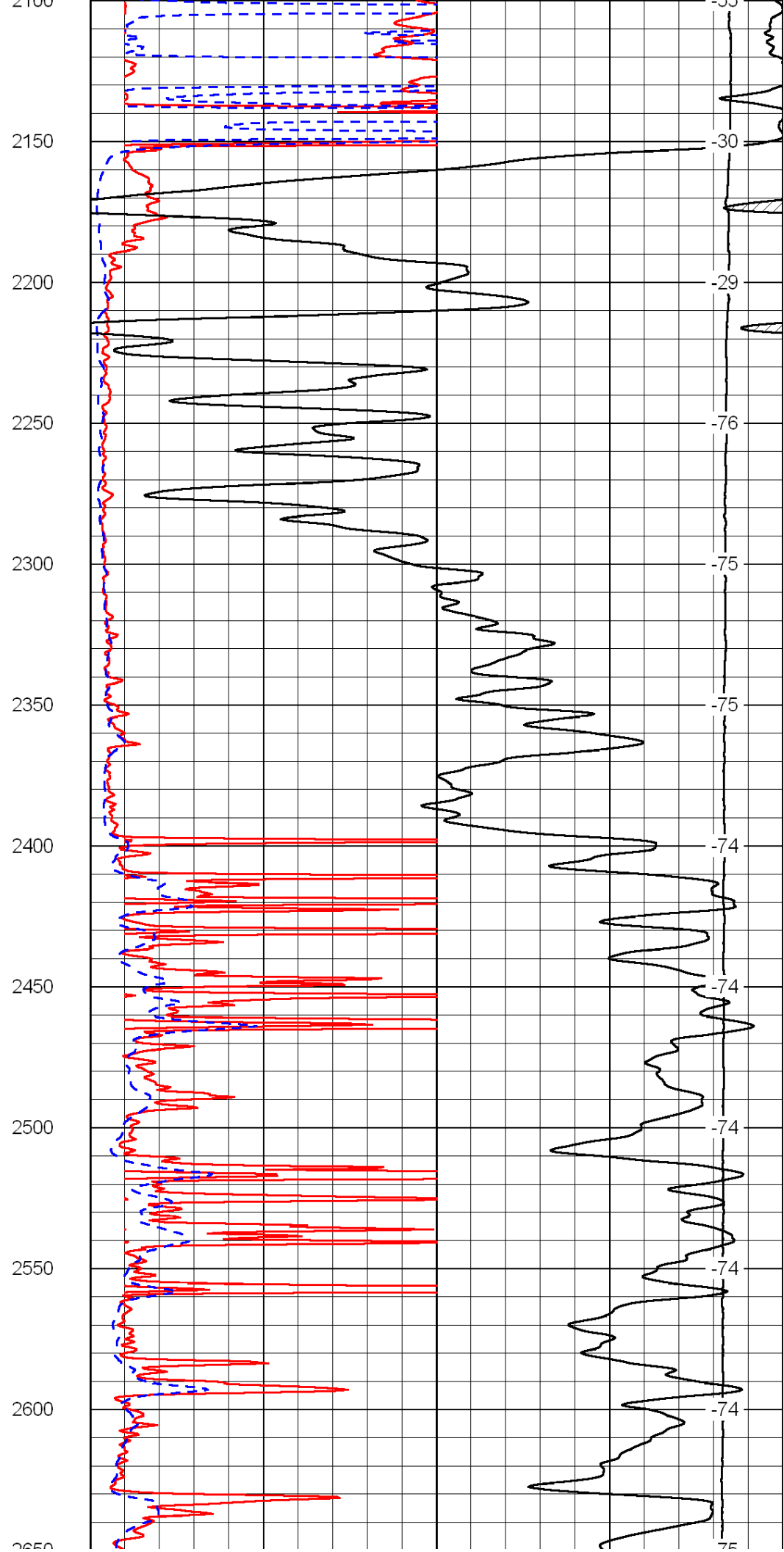
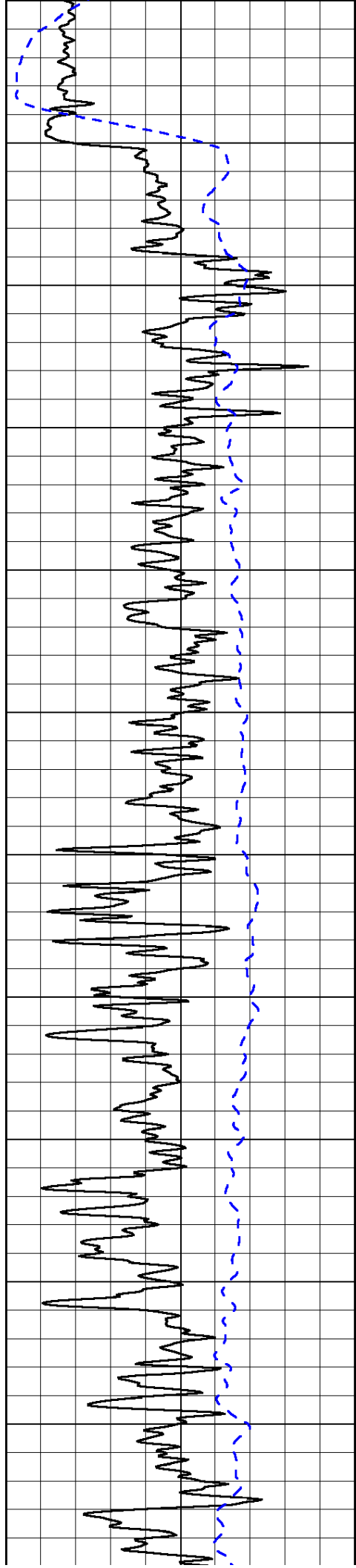
Thank you for using Log-Tech, Inc.  
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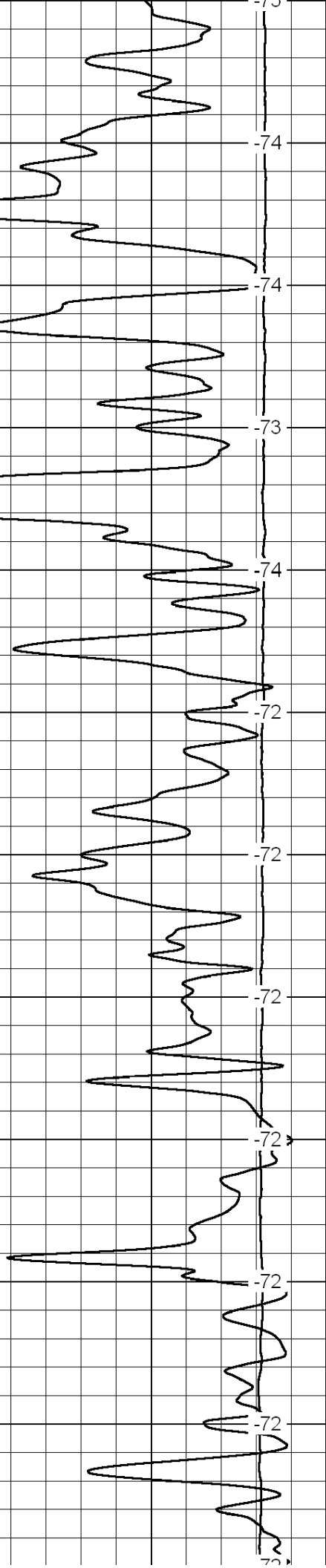
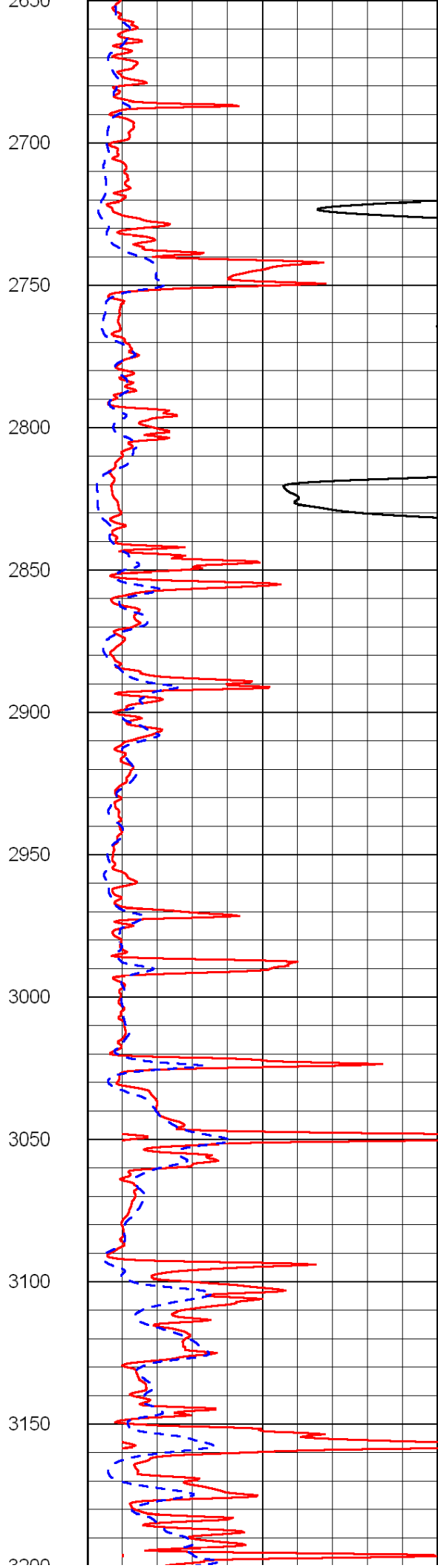
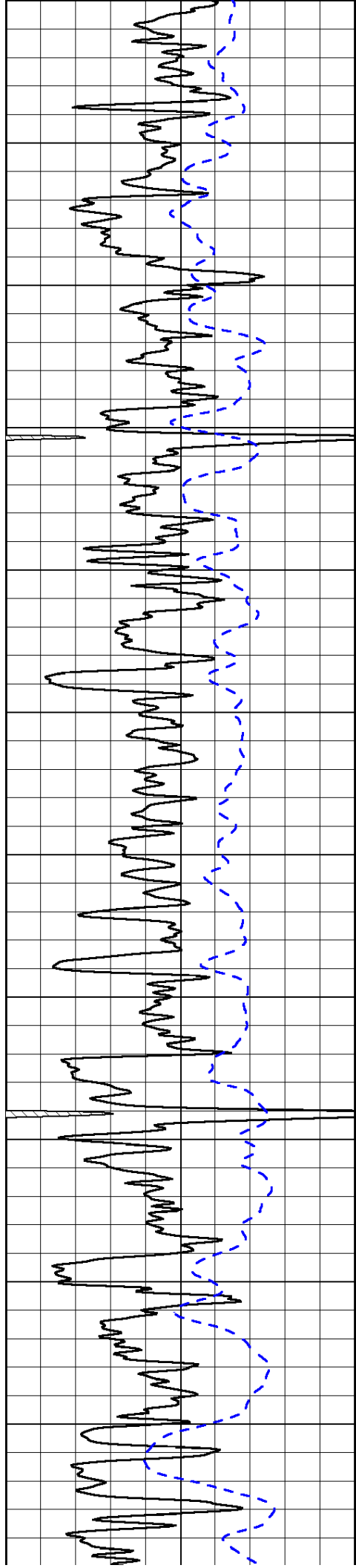
Lakin, 6 W to K rd, 10 N to end of BT, 4 W to F rd,  
2 1/2 N, W into (through elec.fence gate)

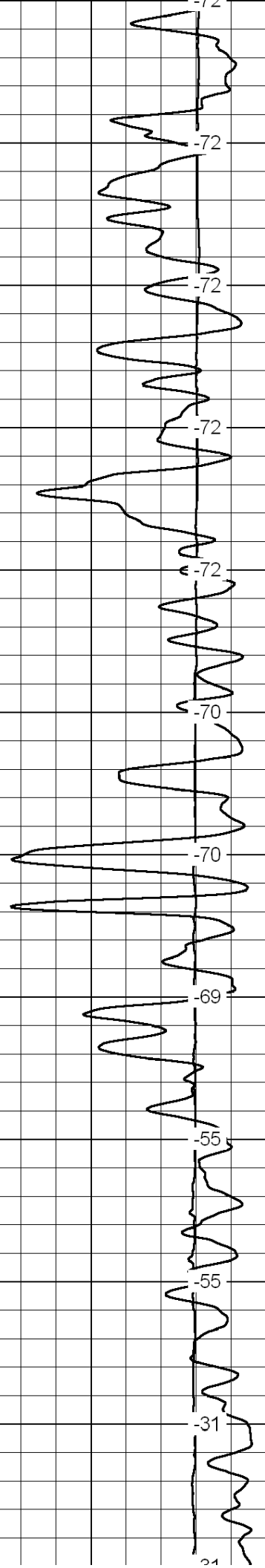
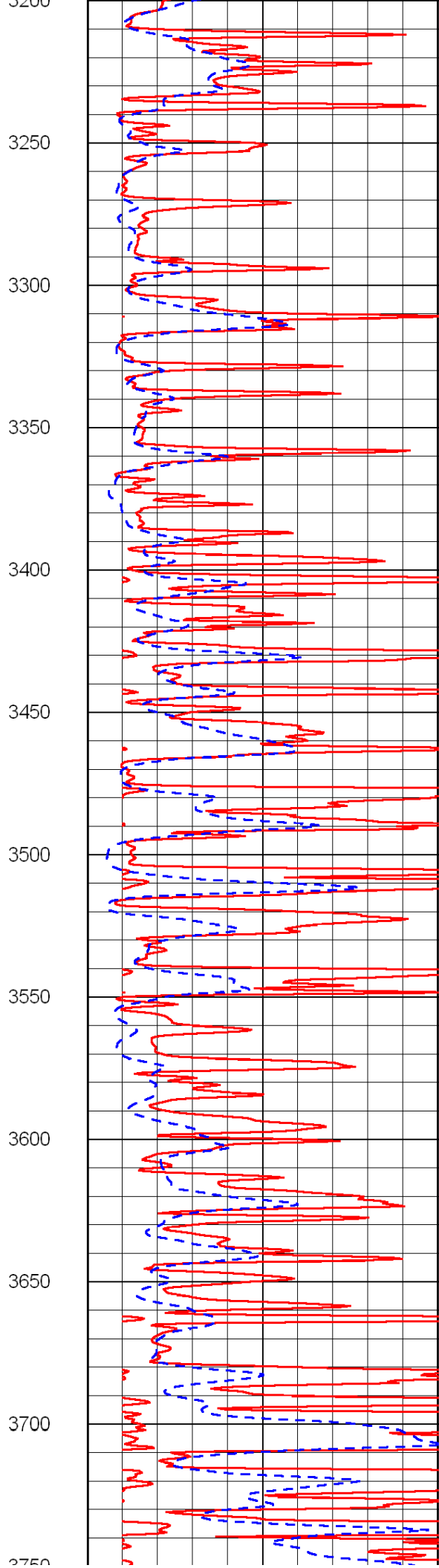
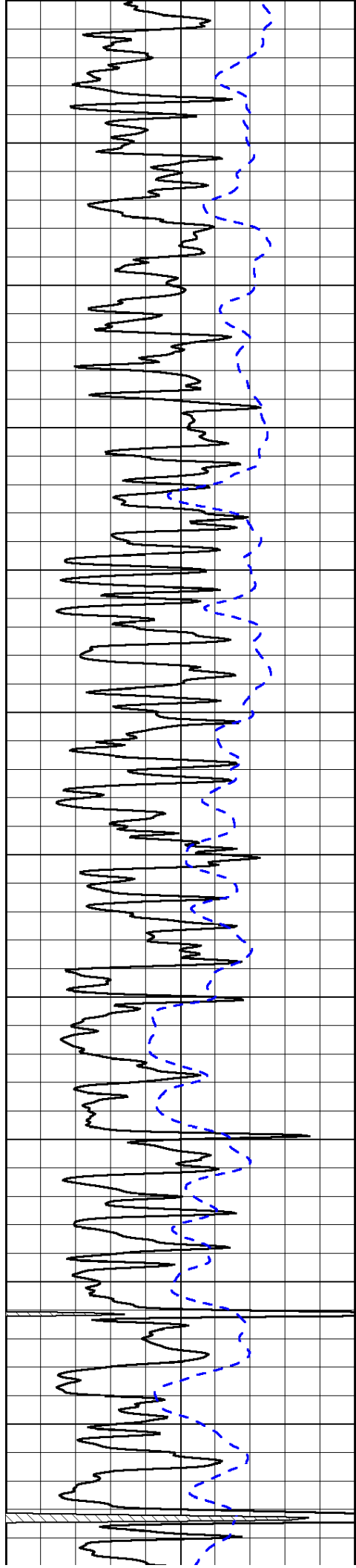
Database File: c:\warrior\data\berexco\_patterson unit #2-23\berexcohd.db  
Dataset Pathname: dil\berex2in  
Presentation Format: dil2in  
Dataset Creation: Mon Mar 15 14:10:09 2010  
Charted by: Depth in Feet scaled 1:600

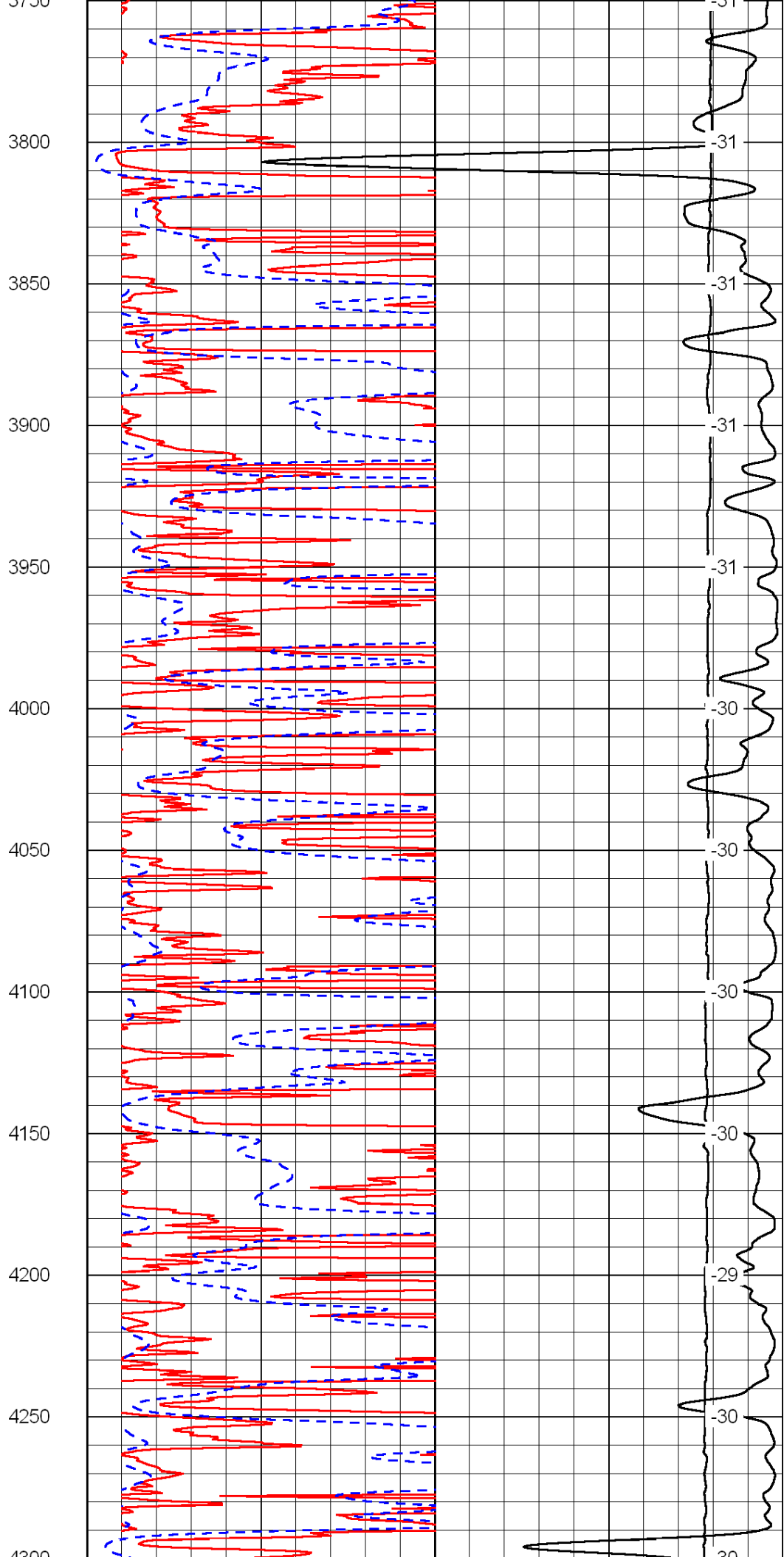
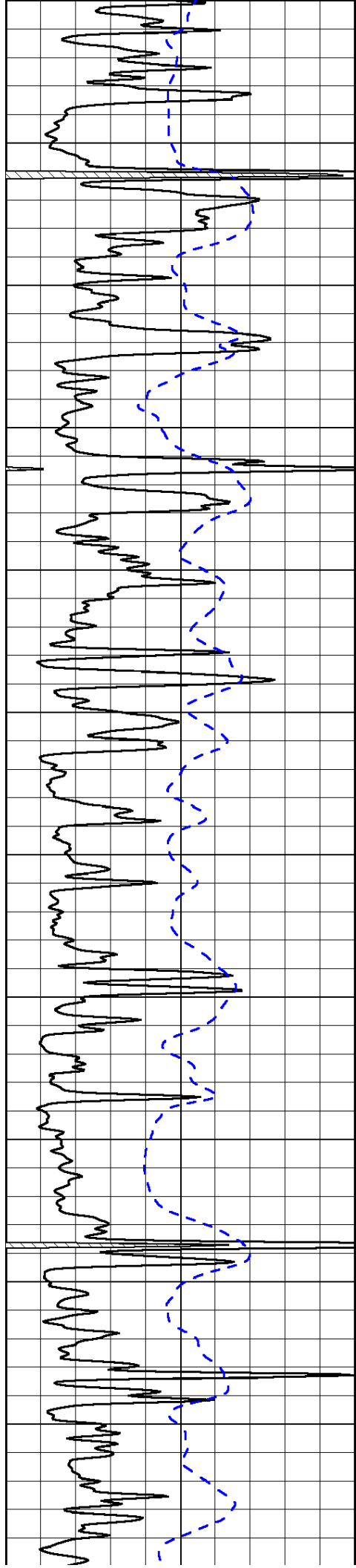
|                   |           |     |                            |                             |     |                  |  |  |
|-------------------|-----------|-----|----------------------------|-----------------------------|-----|------------------|--|--|
| Charted by: _____ |           |     | Depth in Feet scaled 1:500 |                             |     |                  |  |  |
| 0                 | Gamma Ray | 150 | 0                          | Shallow Resistivity (Ohm-m) | 50  | LSPD<br>(ft/min) |  |  |
| -200              | SP (MV)   | 0   | 0                          | Deep Resistivity (Ohm-m)    | 50  |                  |  |  |
|                   |           |     | 1000                       | Conductivity (mmho/m)       |     | 0                |  |  |
|                   |           |     | 15000                      | Line Tension (lb)           |     | 0                |  |  |
|                   |           |     | Shallow Resistivity        |                             |     |                  |  |  |
|                   |           |     | 50                         | (Ohm-m)                     | 500 |                  |  |  |
|                   |           |     | 50                         | Deep Resistivity (Ohm-m)    | 500 |                  |  |  |

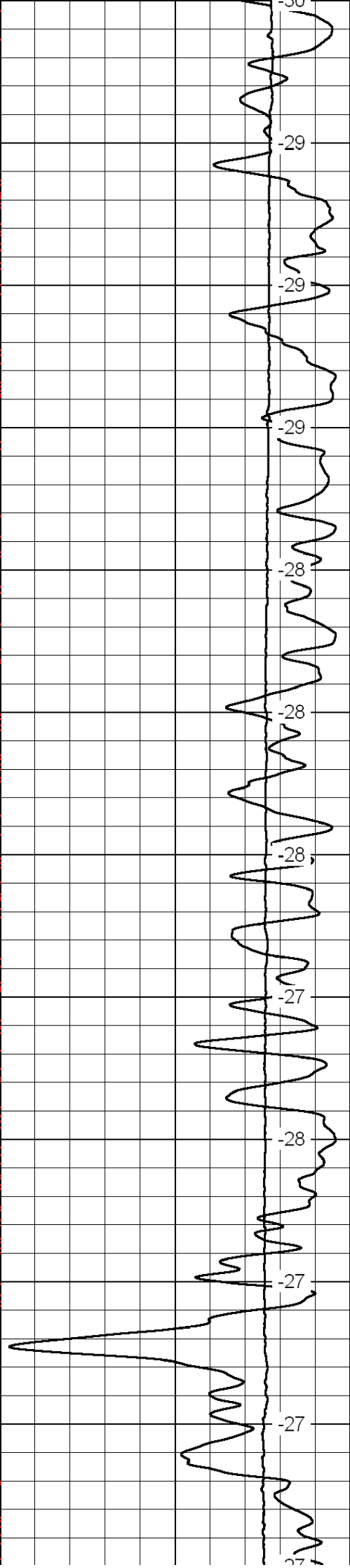
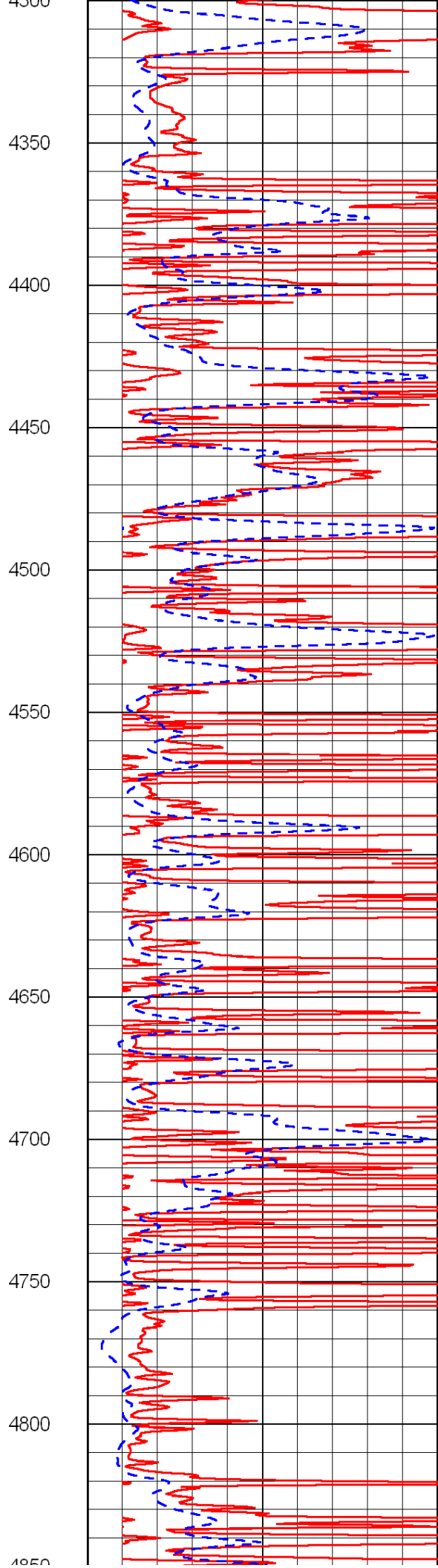
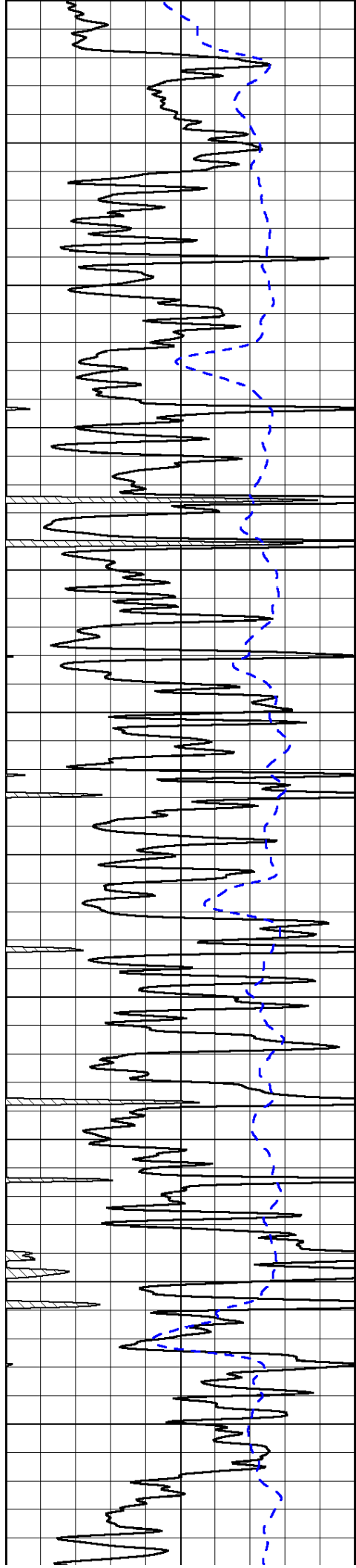


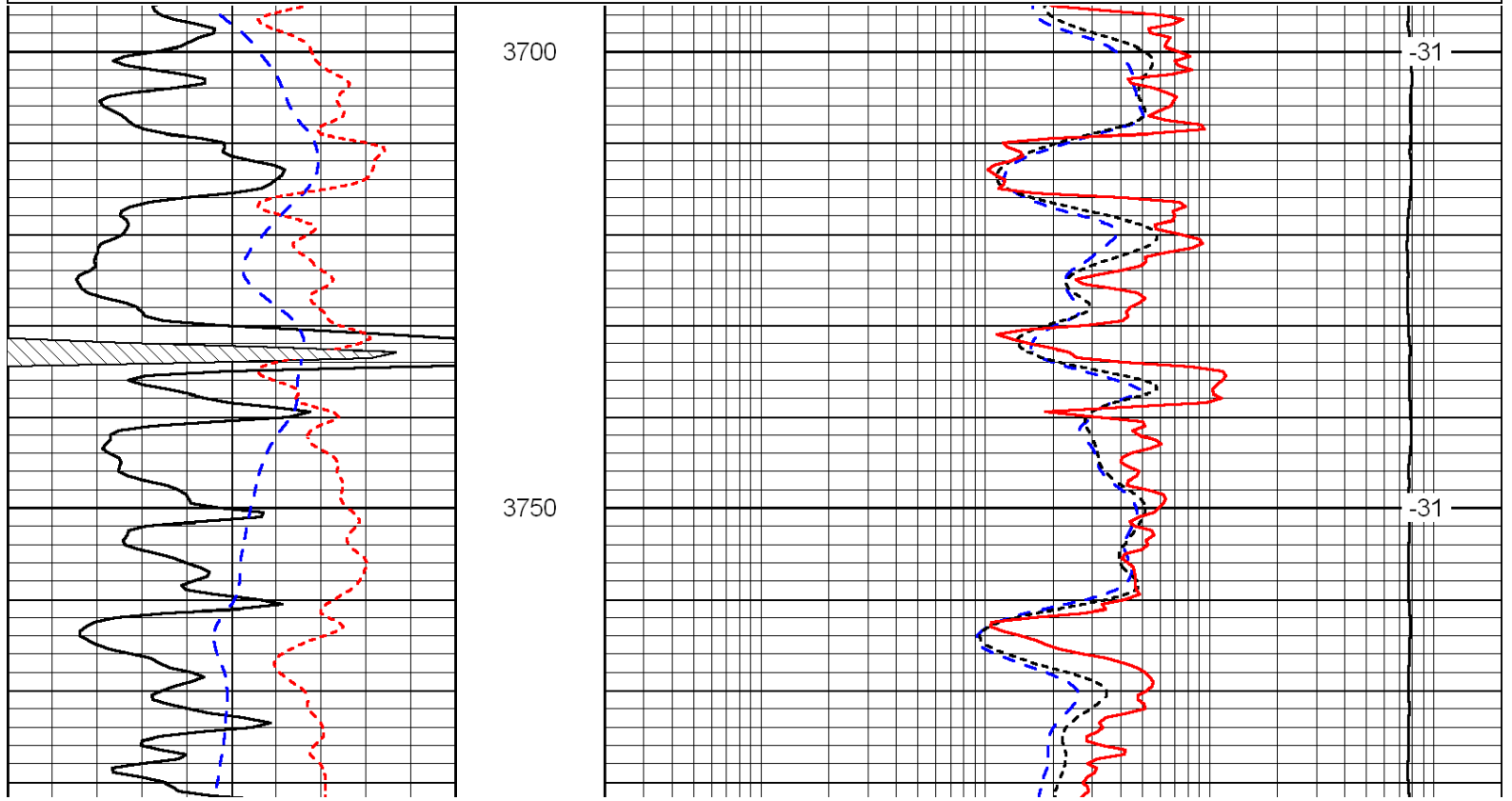
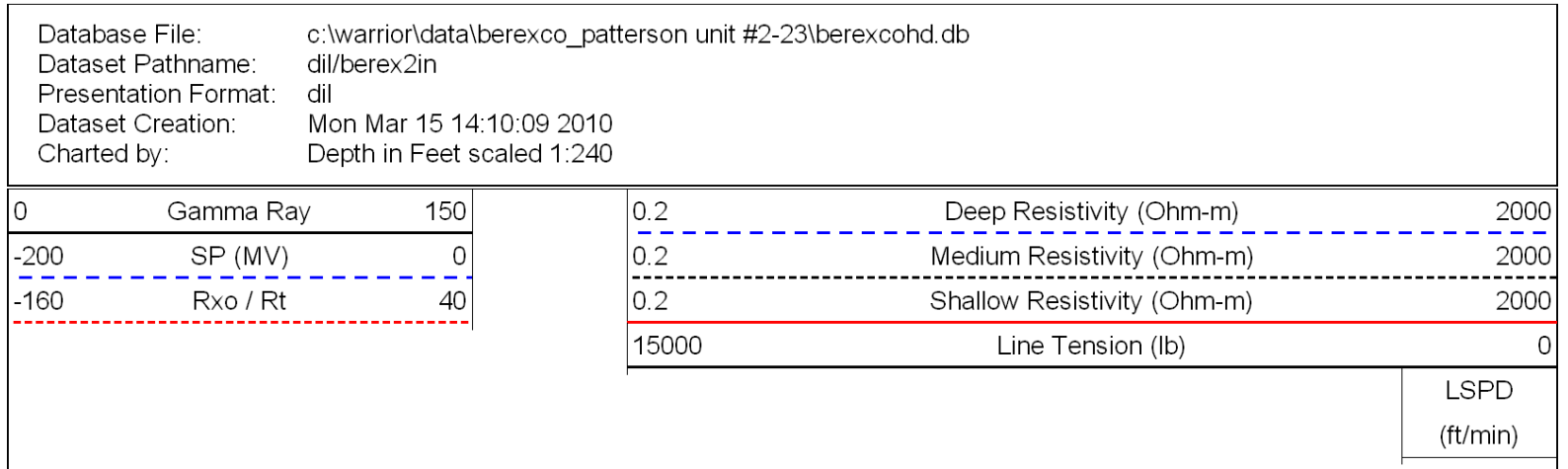
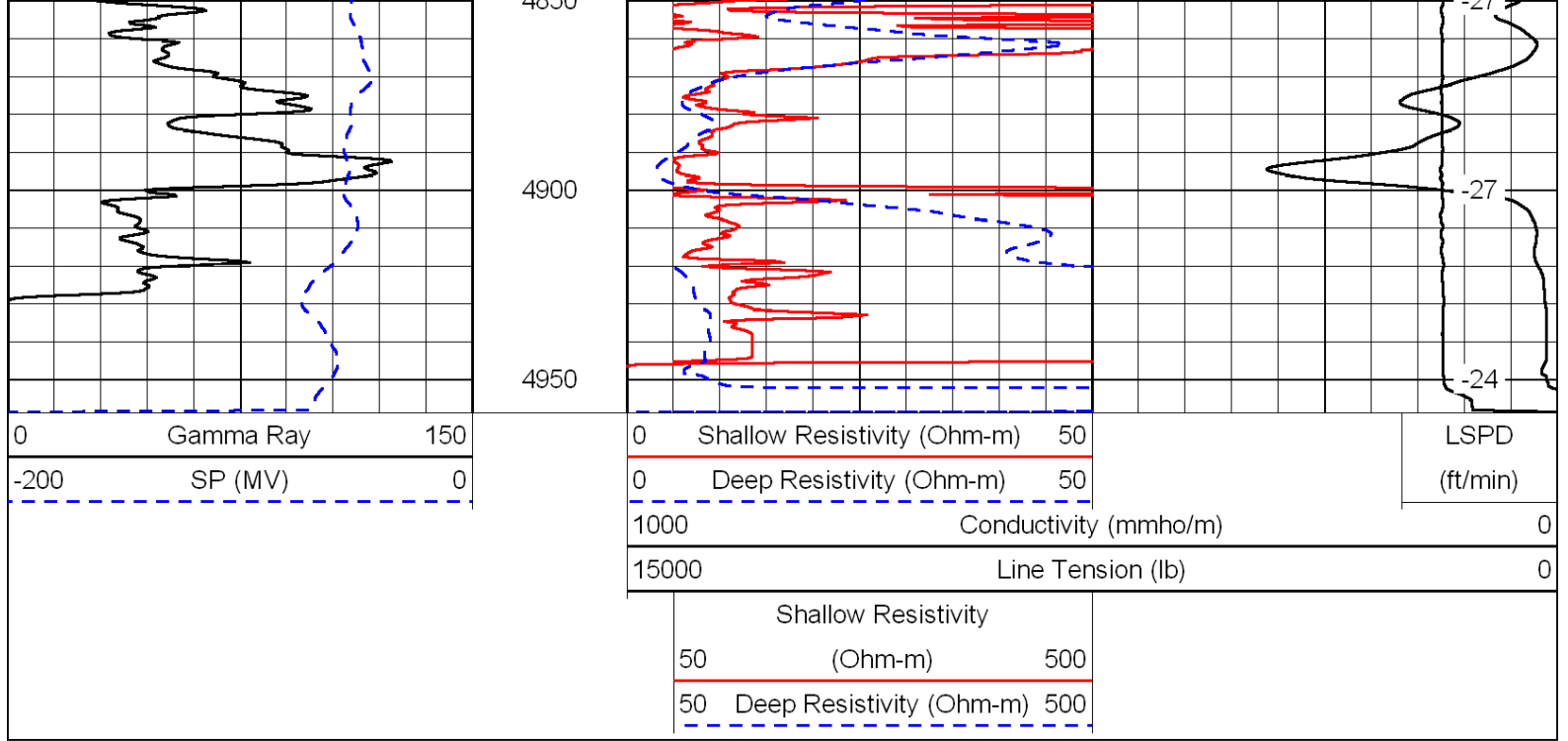


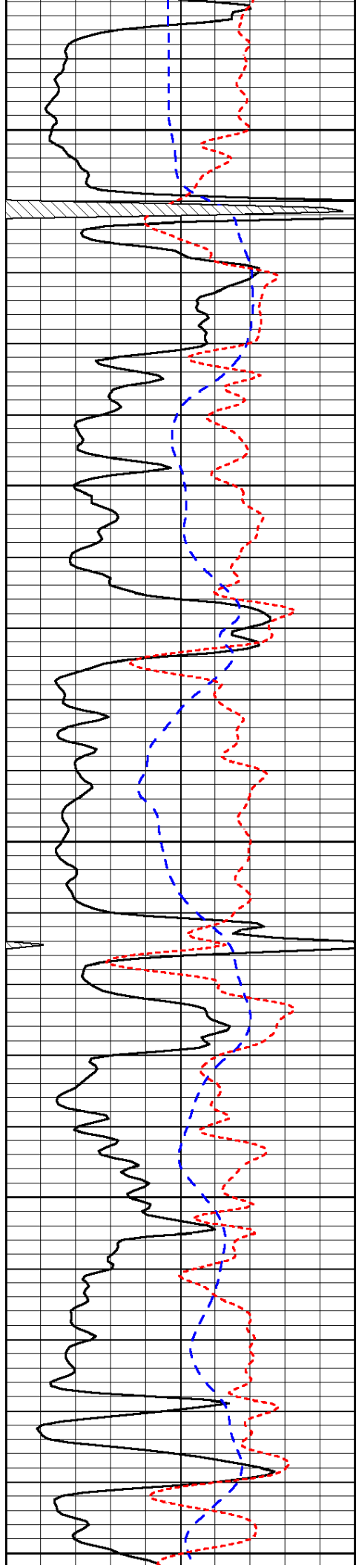












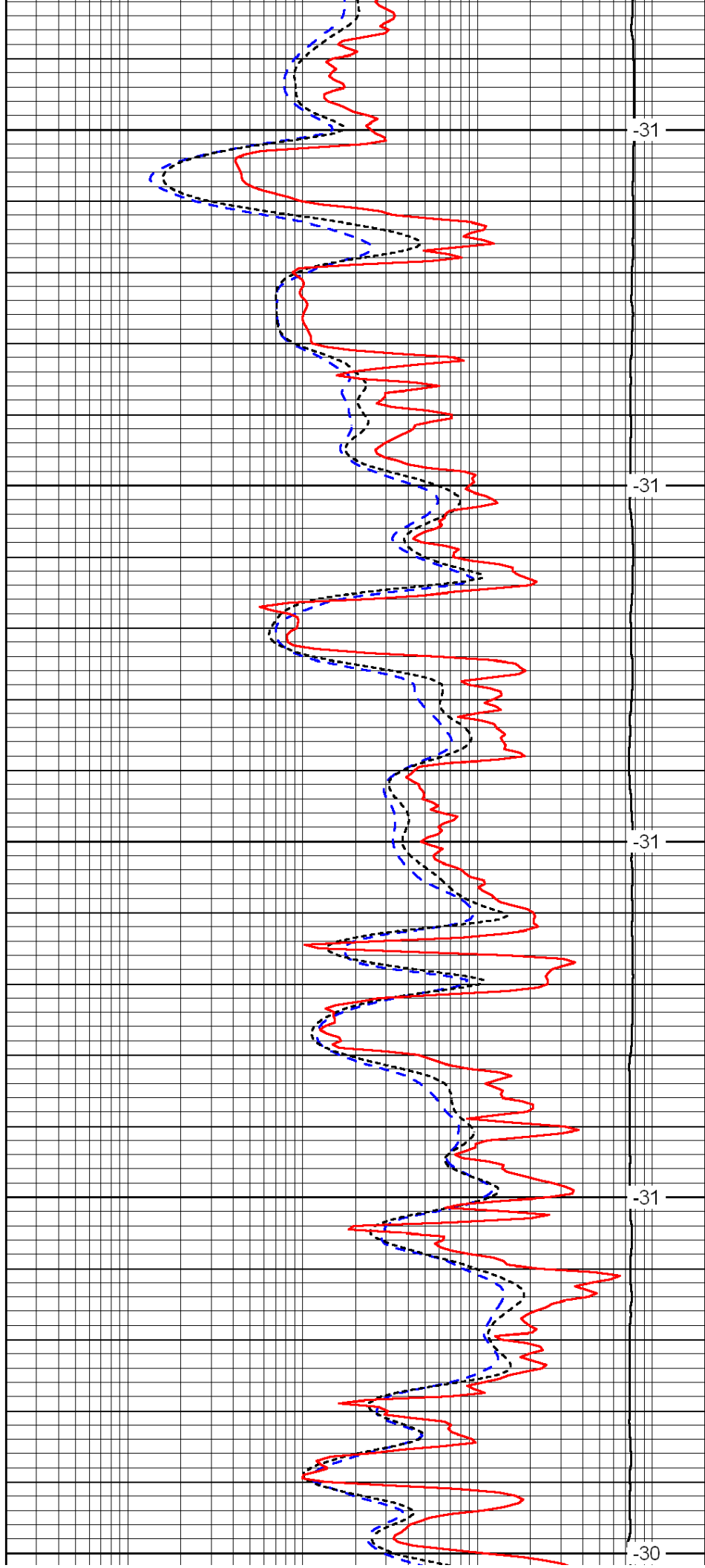
3800

3850

3900

3950

4000



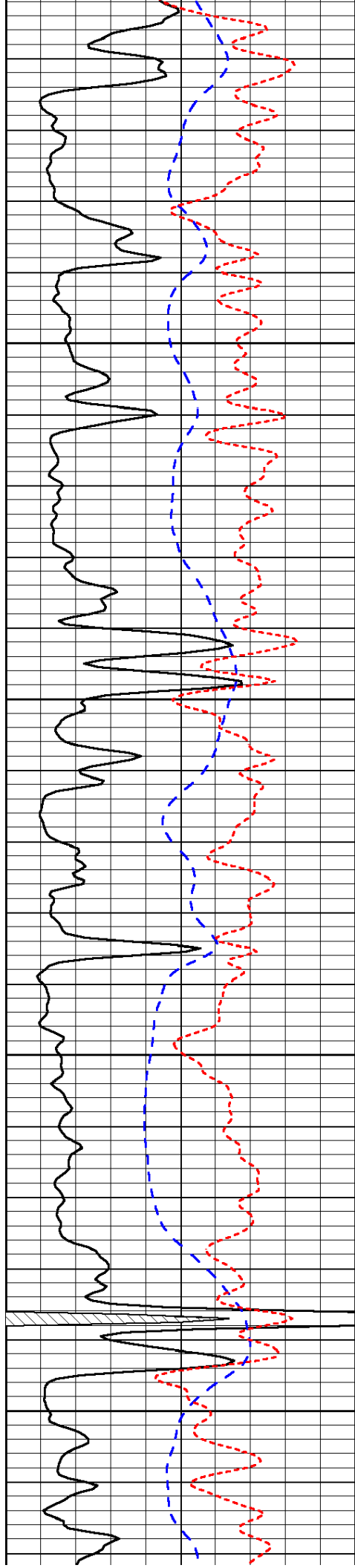
-31

-31

-31

-31

-30

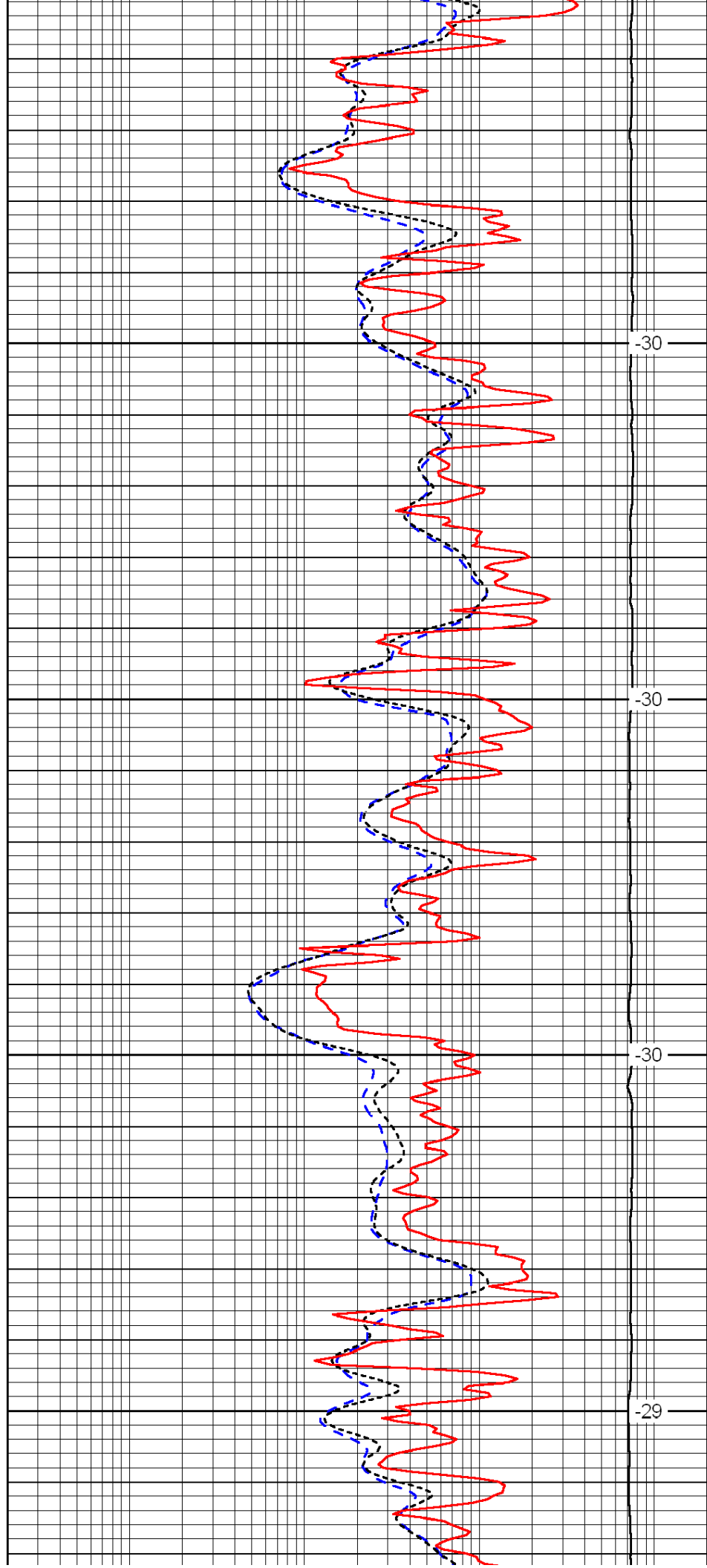


4050

4100

4150

4200

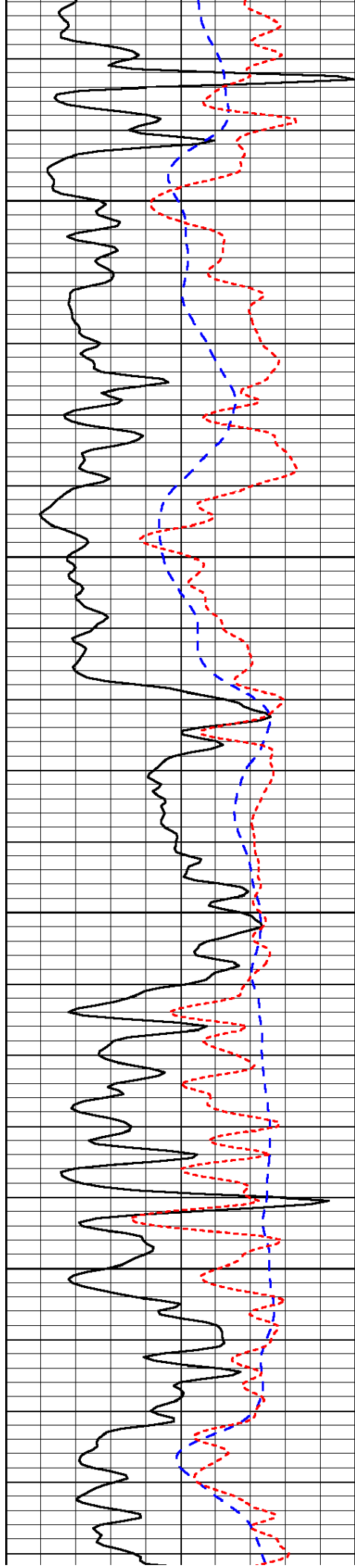


-30

-30

-30

-29

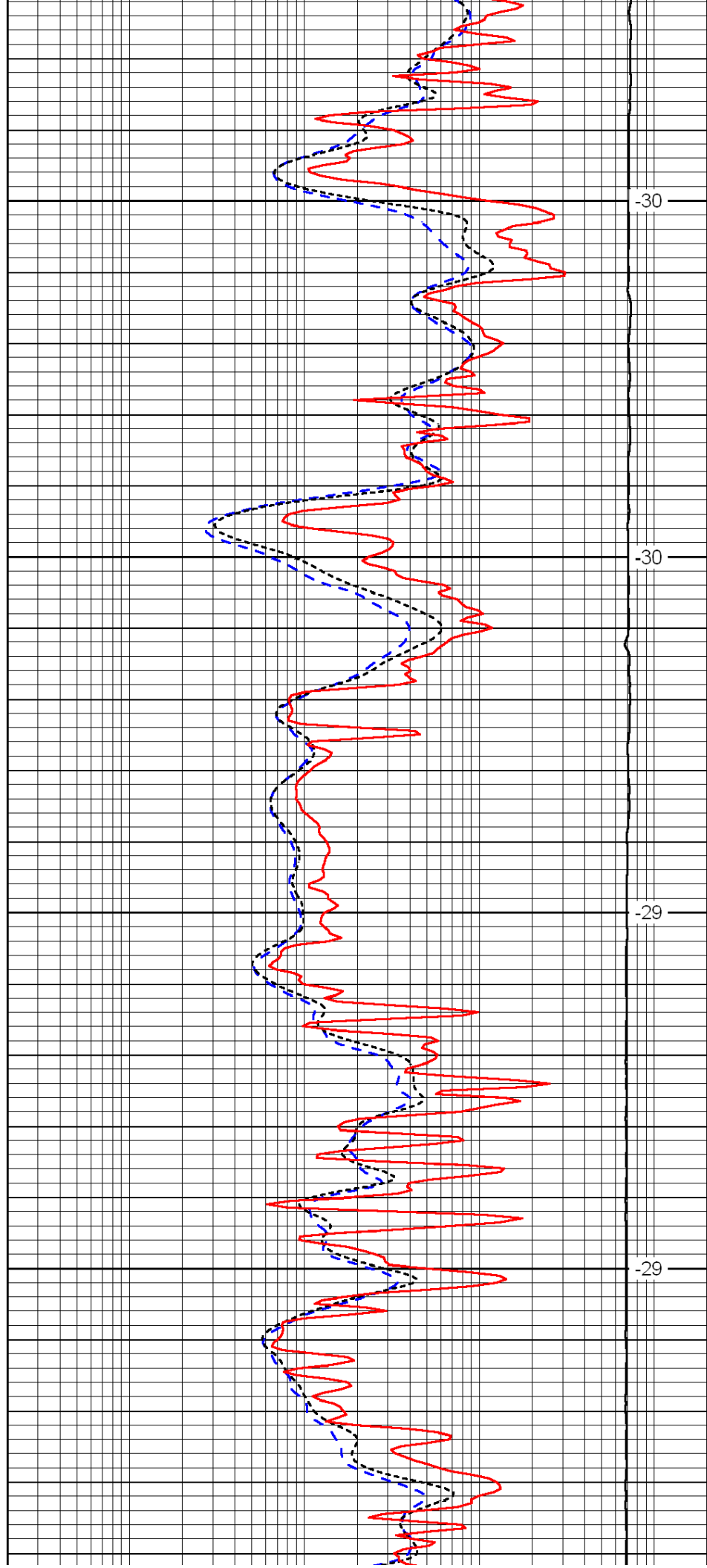


4250

4300

4350

4400

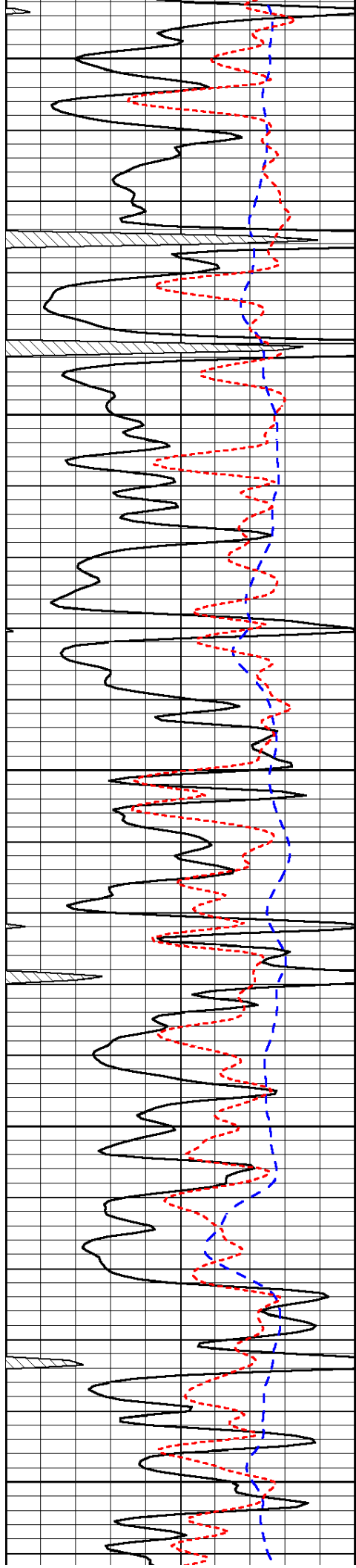


-30

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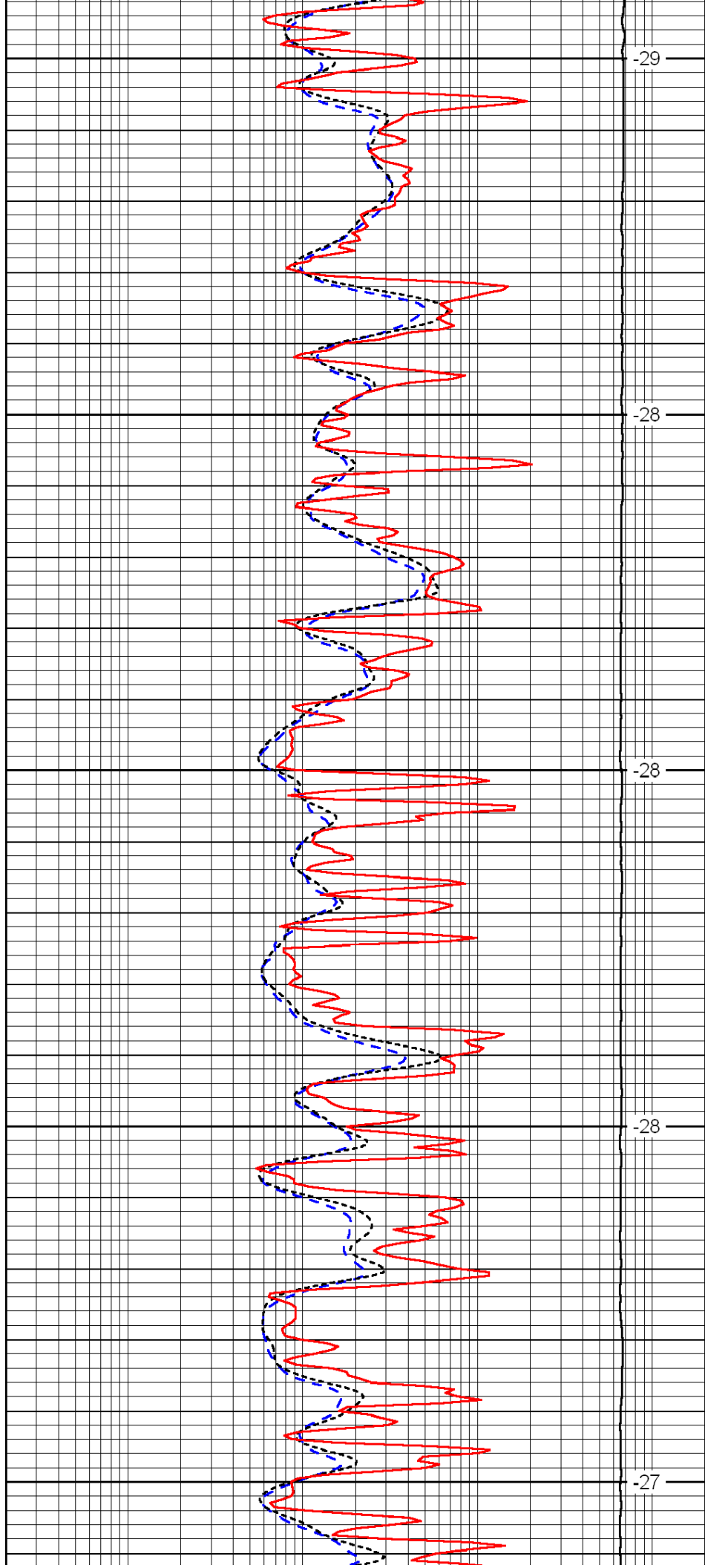
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4500

4550

4600

4650



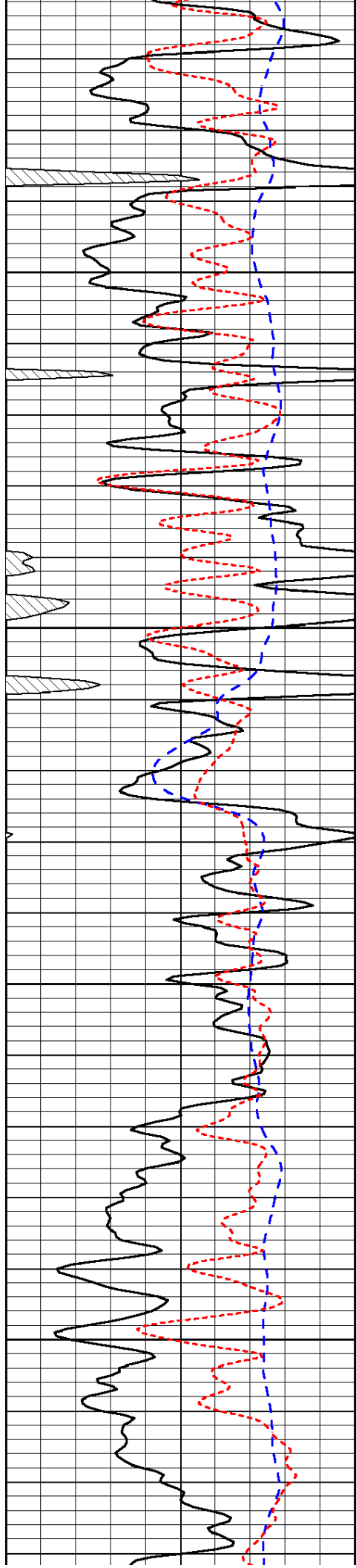
-29

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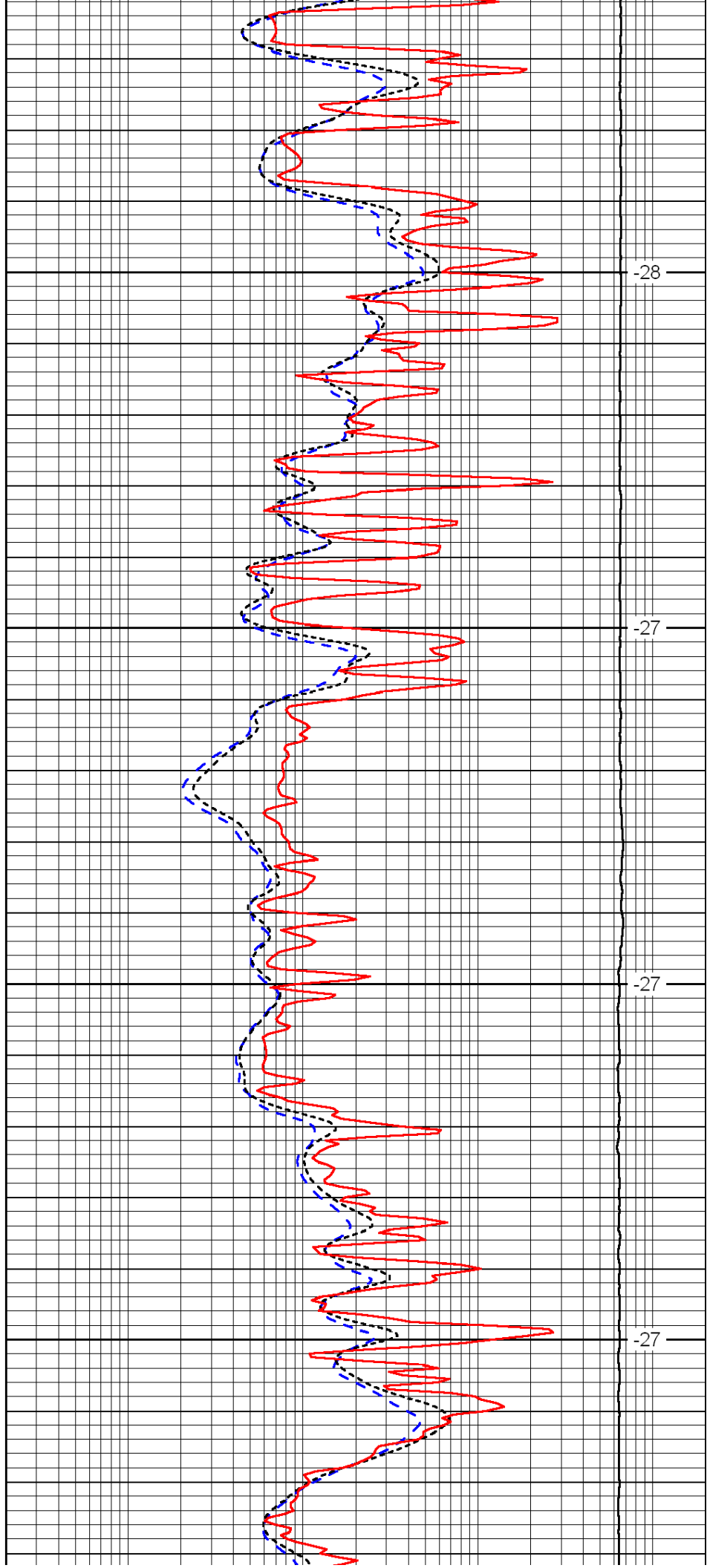


4700

4750

4800

4850

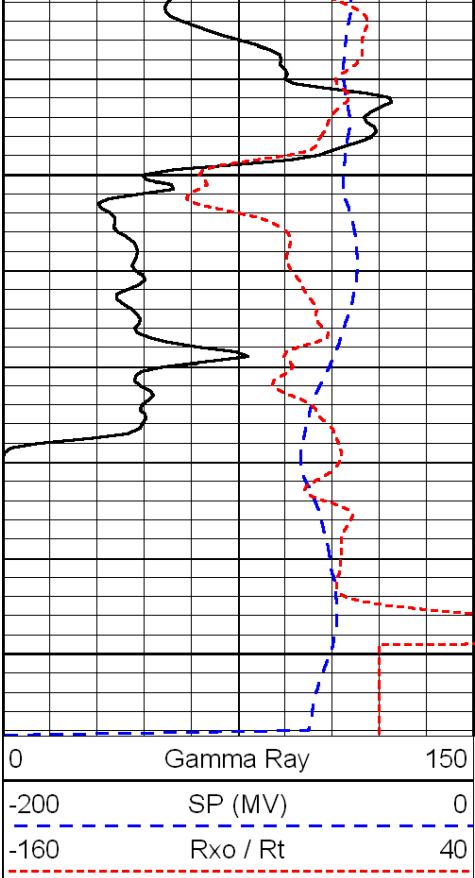


-28

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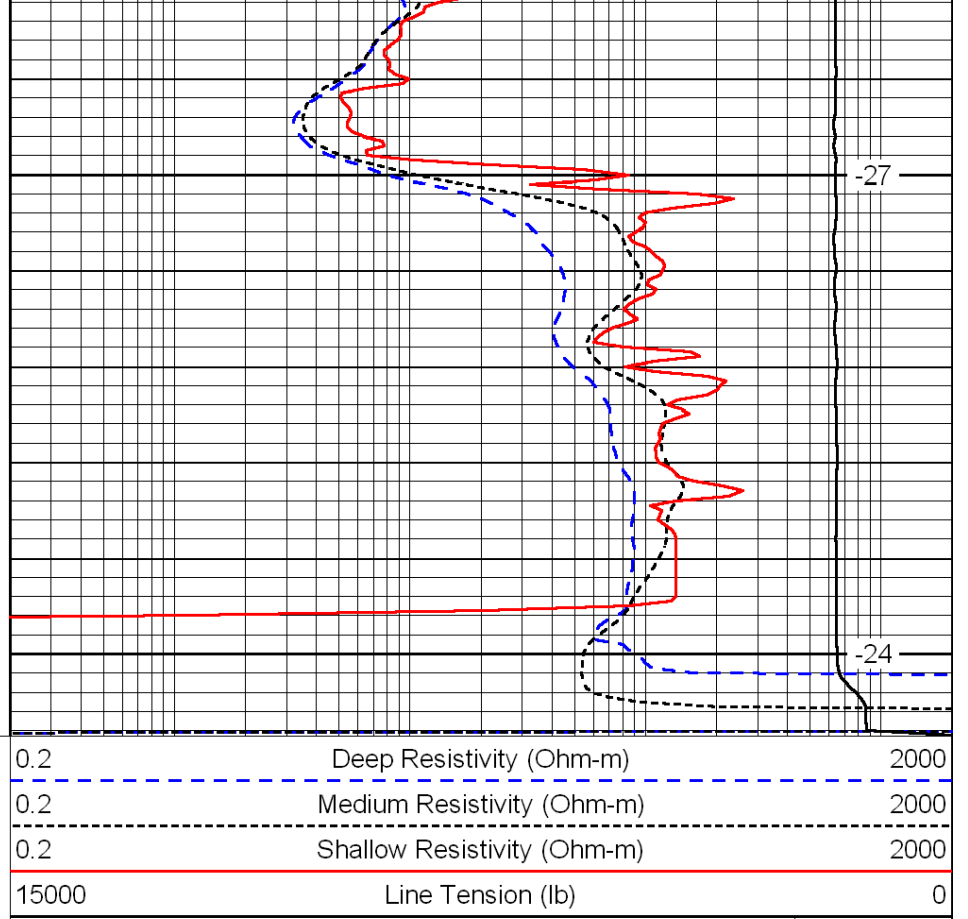
-27

-27



4900

4950



-27

-24

LSPD  
(ft/min)