



Pioneer Energy Services

## Microresistivity Log

|                        |                                                                                                                                                      |                                       |  |  |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--|--|
| API No.                | Company <b>McCoy Petroleum Corporation</b><br>Well <b>McKinney Trust "A" #2-23</b><br>Field <b>Alford</b><br>County <b>Kiowa</b> State <b>Kansas</b> |                                       |  |  |
| 15-097-21,776-00-00    | Location<br><b>990' FSL &amp; 2310' FEL</b>                                                                                                          | Other Services<br>CNL/CDL<br>DIL/BHCS |  |  |
|                        | Sec: <b>23</b> Twp: <b>30S</b> Rge: <b>19W</b>                                                                                                       | Elevation                             |  |  |
|                        | Permanent Datum <b>Ground Level</b>                                                                                                                  | <b>K.B. 2231</b>                      |  |  |
|                        | Log Measured From <b>Kelly Bushing</b>                                                                                                               | <b>D.F. 2222</b>                      |  |  |
|                        | Drilling Measured From <b>Kelly Bushing</b>                                                                                                          | <b>G.L. 2222</b>                      |  |  |
| Date                   | <b>3/18/2014</b>                                                                                                                                     |                                       |  |  |
| Run Number             | <b>Two</b>                                                                                                                                           |                                       |  |  |
| Depth Driller          | <b>5200</b>                                                                                                                                          |                                       |  |  |
| Depth Logger           | <b>5202</b>                                                                                                                                          |                                       |  |  |
| Bottom Logged Interval | <b>5201</b>                                                                                                                                          |                                       |  |  |
| Top Log Interval       | <b>3900</b>                                                                                                                                          |                                       |  |  |
| Casing Driller         | <b>8.625 @ 609</b>                                                                                                                                   |                                       |  |  |
| Casing Logger          | <b>608</b>                                                                                                                                           |                                       |  |  |
| Bit Size               | <b>7.875</b>                                                                                                                                         |                                       |  |  |
| Type Fluid in Hole     | <b>Chemical</b>                                                                                                                                      |                                       |  |  |
| Salinity, ppm CL       | <b>8,000</b>                                                                                                                                         |                                       |  |  |
| Density / Viscosity    | <b>9.3 68</b>                                                                                                                                        |                                       |  |  |
| pH / Fluid Loss        | <b>10.5 9.6</b>                                                                                                                                      |                                       |  |  |
| Source of Sample       | <b>Flowline</b>                                                                                                                                      |                                       |  |  |
| Rm @ Meas. Temp        | <b>.25 @ 53</b>                                                                                                                                      |                                       |  |  |
| Rmf @ Meas. Temp       | <b>.19 @ 53</b>                                                                                                                                      |                                       |  |  |
| Rmc @ Meas. Temp       | <b>.34 @ 53</b>                                                                                                                                      |                                       |  |  |
| Source of Rmf / Rmc    | <b>Charts</b>                                                                                                                                        |                                       |  |  |
| Rm @ BHT               | <b>.1 @ 128</b>                                                                                                                                      |                                       |  |  |
| Operating Rig Time     | <b>5 Hours</b>                                                                                                                                       |                                       |  |  |
| Max Rec. Temp. F       | <b>128</b>                                                                                                                                           |                                       |  |  |
| Equipment Number       | <b>17</b>                                                                                                                                            |                                       |  |  |
| Location               | <b>Hays</b>                                                                                                                                          |                                       |  |  |
| Recorded By            | <b>C. Desaire</b>                                                                                                                                    |                                       |  |  |
| Witnessed By           | <b>Larry Nicholson</b>                                                                                                                               |                                       |  |  |

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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.

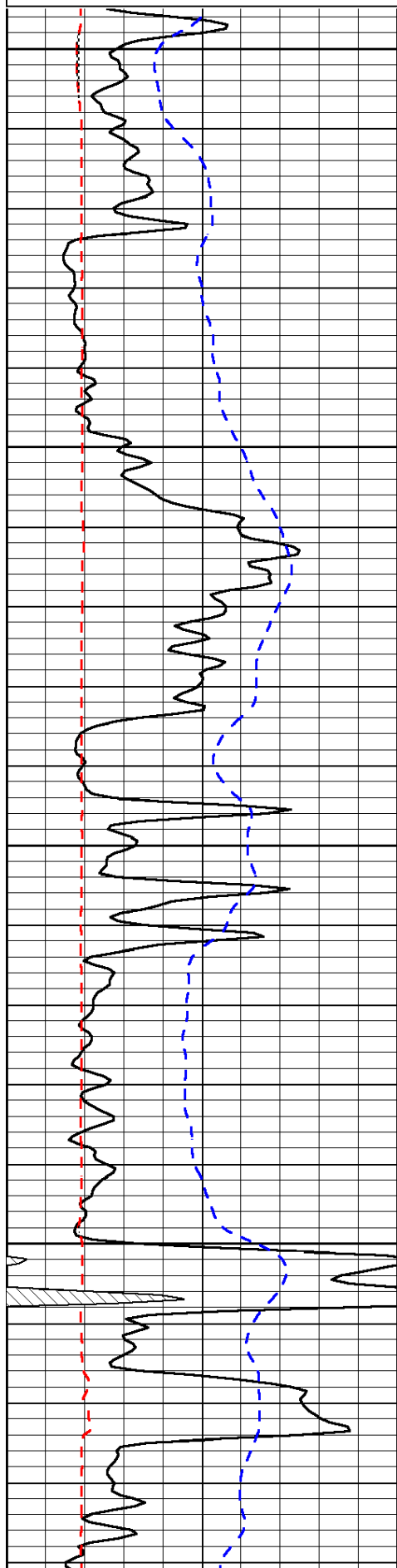
### Comments

Thank you for using Pioneer Energy Services  
[www.pioneerres.com](http://www.pioneerres.com)  
785 625 3858

Greensburg KS, 10 S to T St,  
3 W, 2 3/4 S, E Into

Database File: c:\warrior\data\mccoy\_mckinney trust 'a' #2-23\mcyhdb.db  
Dataset Pathname: dil\mcystk  
Presentation Format: micro  
Dataset Creation: Tue Mar 18 19:55:49 2014  
Charted by: Depth in Feet scaled 1:240

|                                        |                          |     |
|----------------------------------------|--------------------------|-----|
| Charted by: Depth in Feet scaled 1:210 |                          |     |
| 0                                      | Gamma Ray                | 150 |
| 6                                      | Micro Log Caliper (GAPI) | 16  |
| -200                                   | SP (mV)                  | 0   |

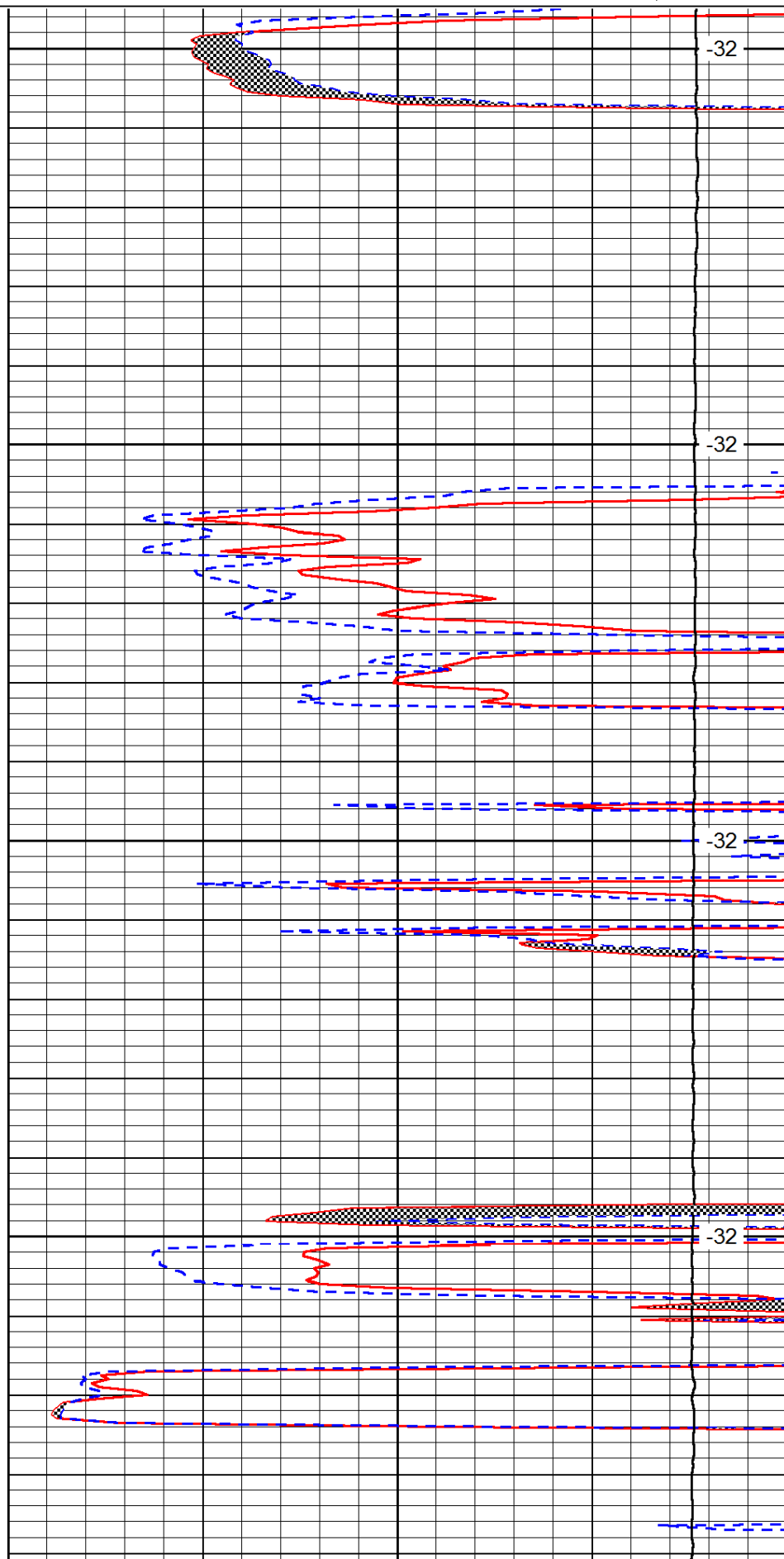


3900

3950

4000

4050



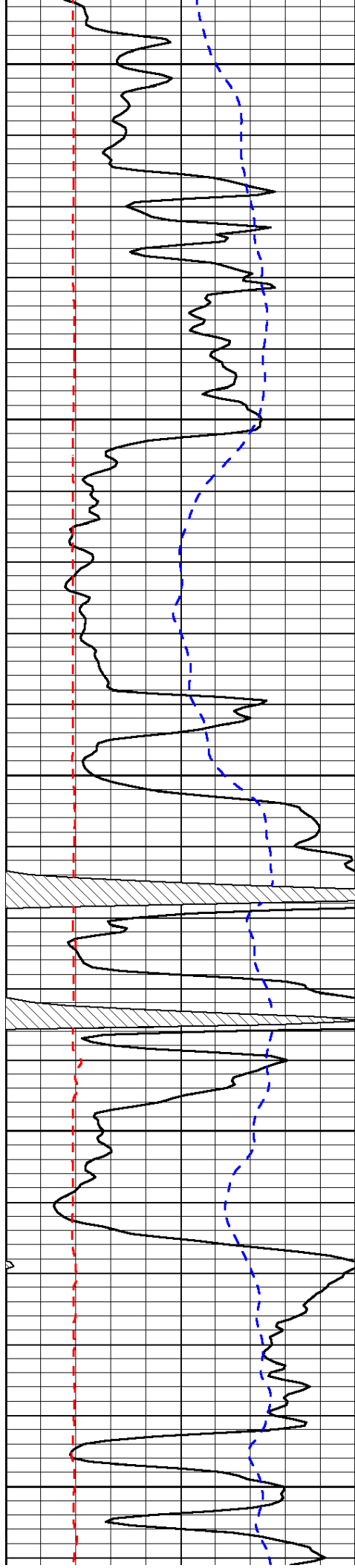
-32

-32

-32

-32

LSPD



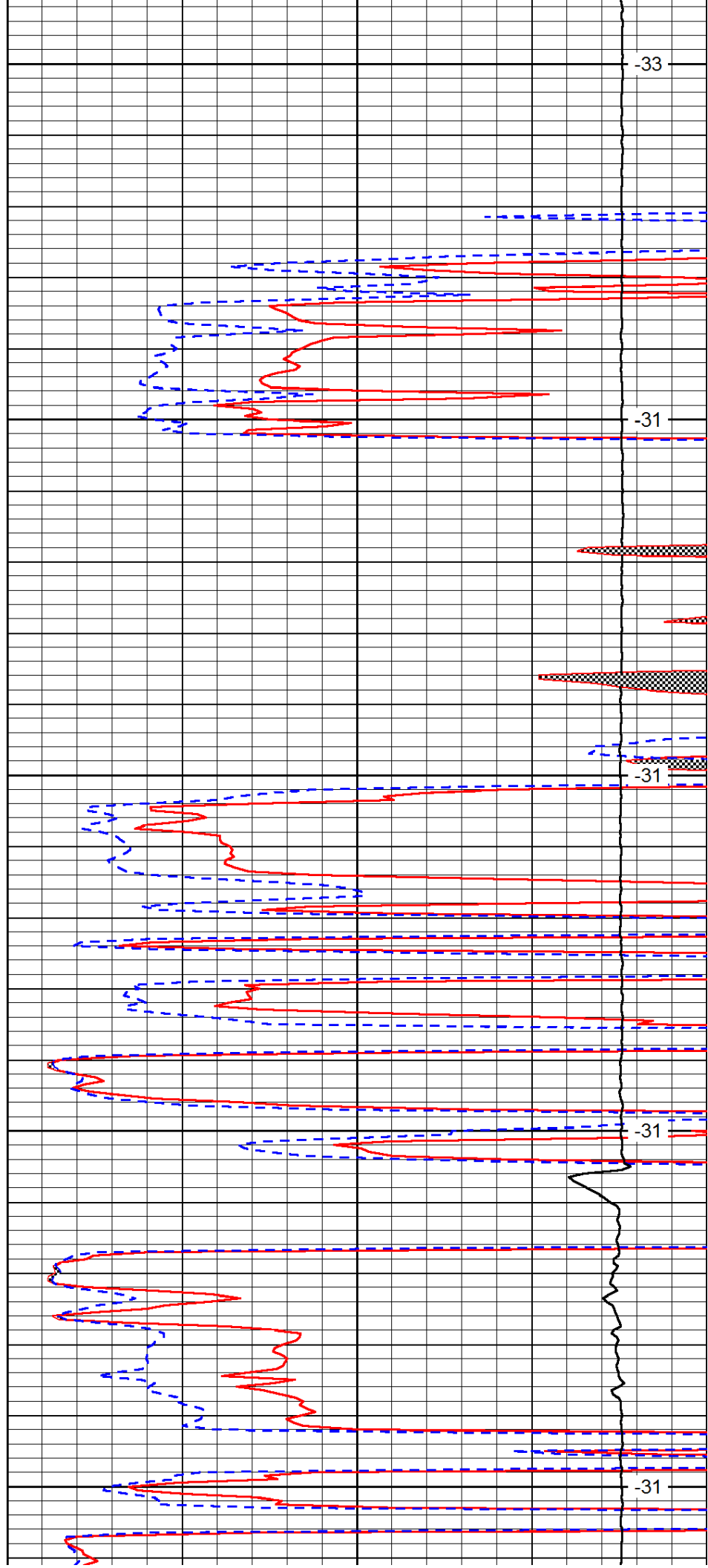
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4150

4200

4250

4300



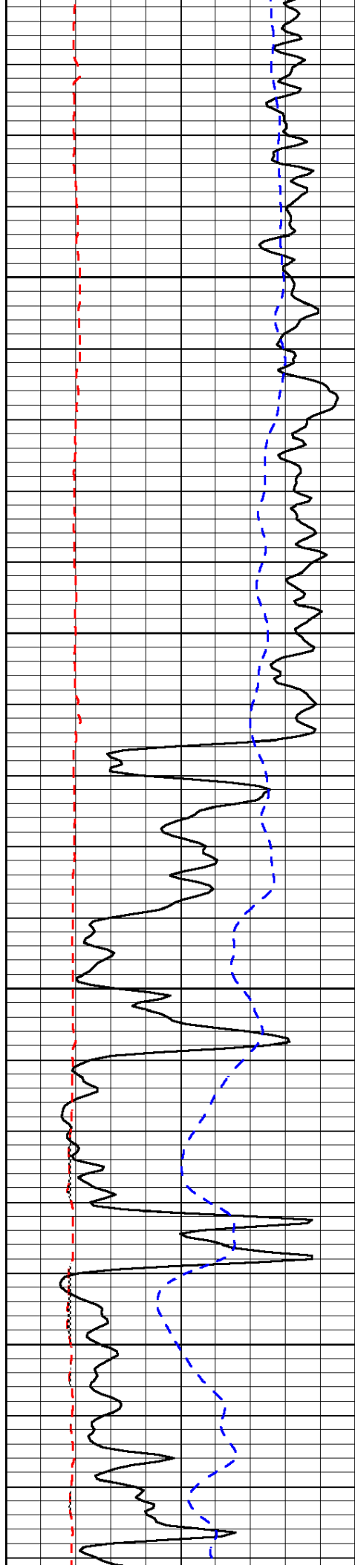
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-31

-31

-31

-31

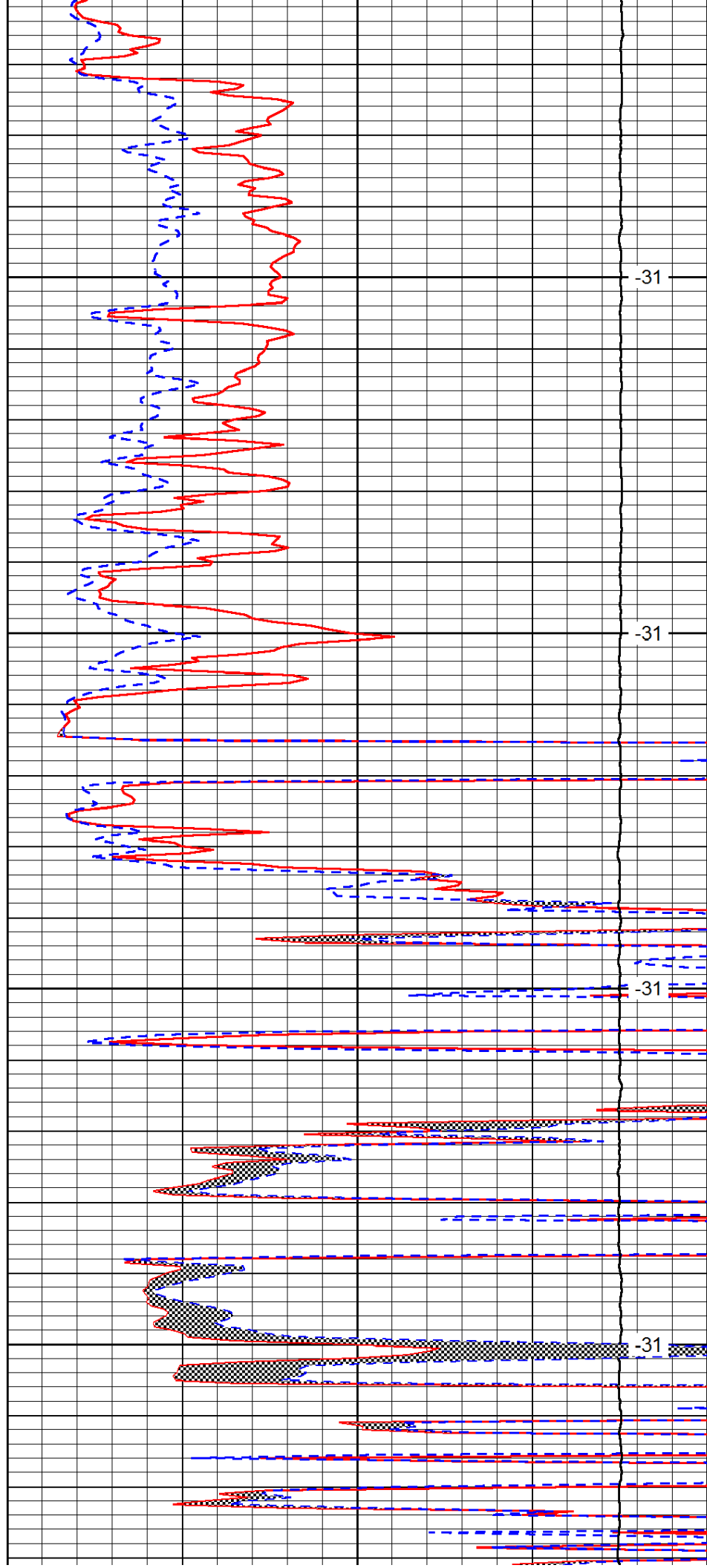


4350

4400

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4500

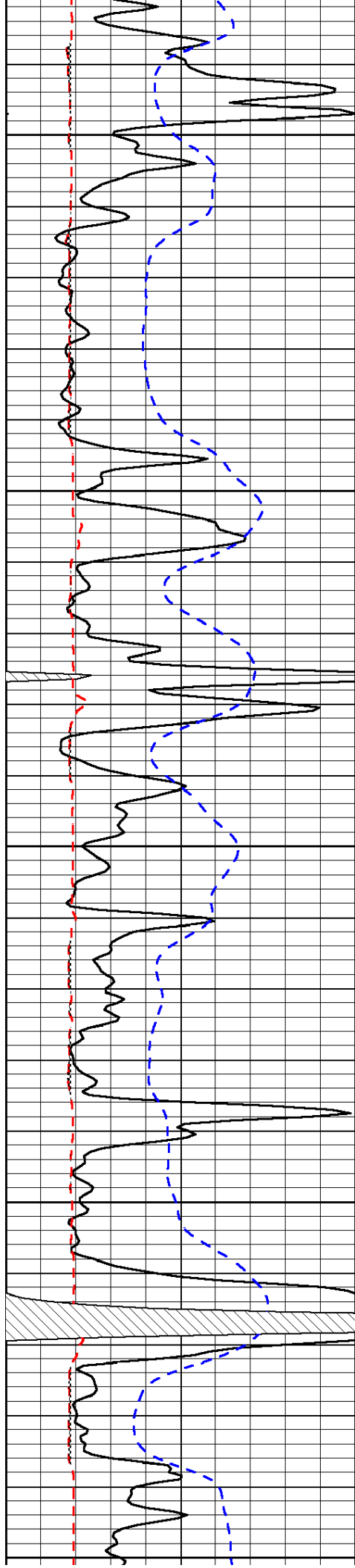


-31

-31

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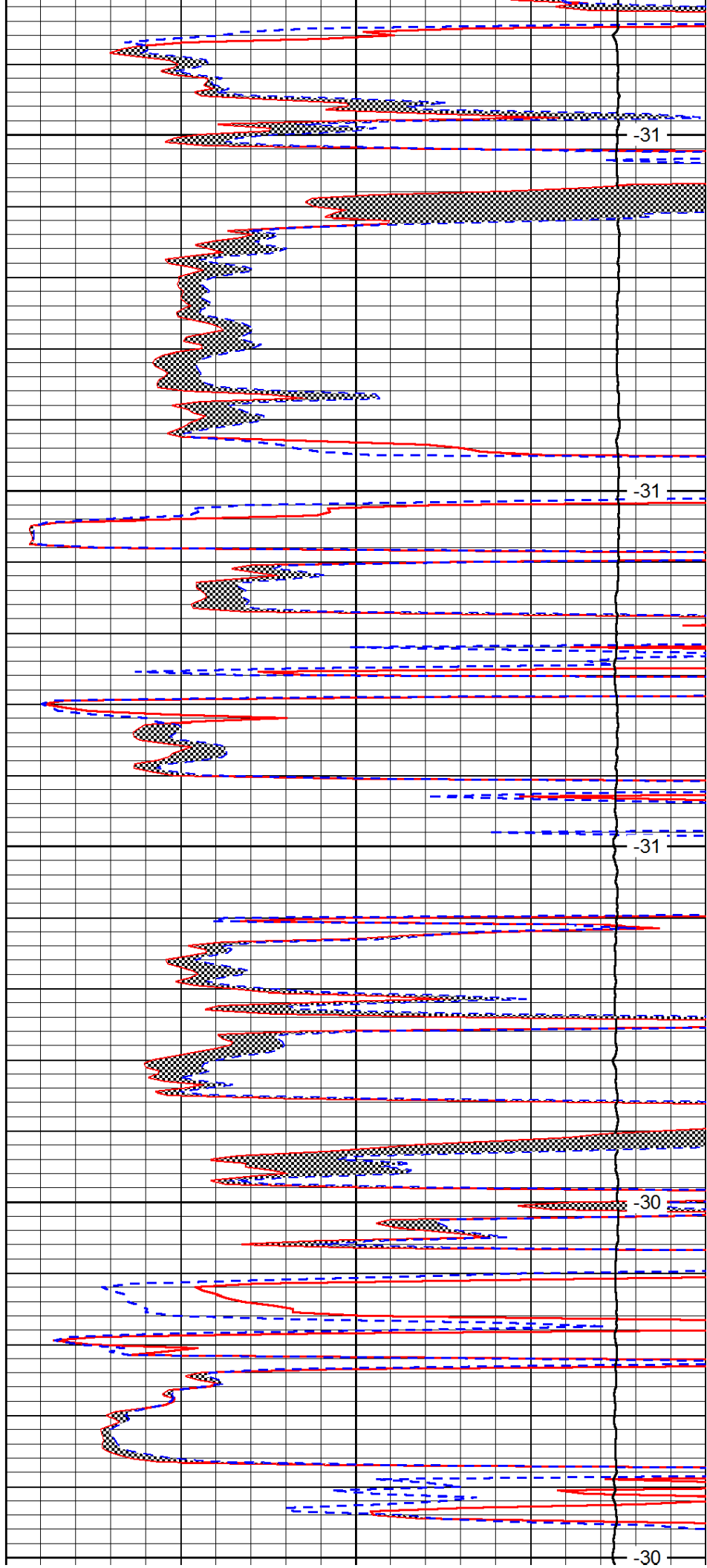
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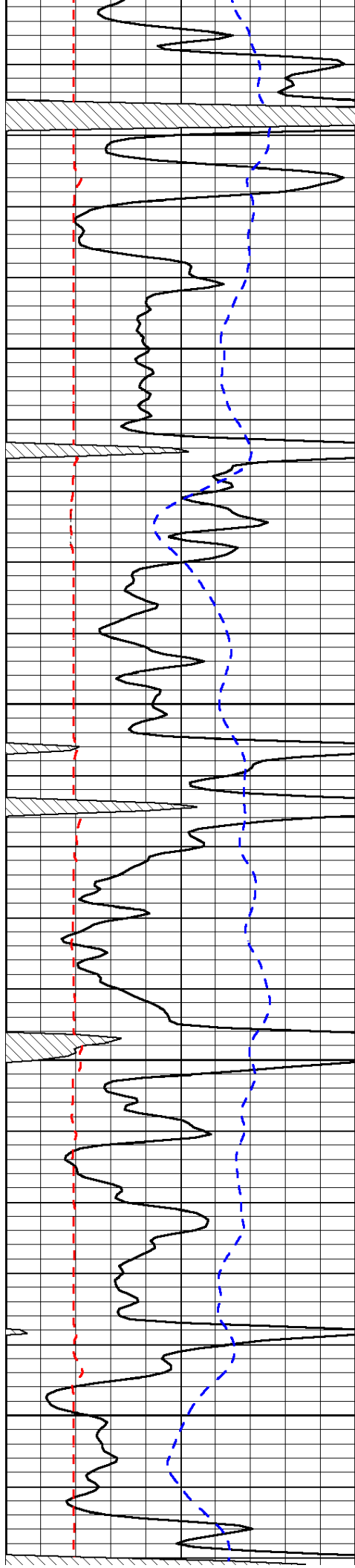
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4650

4700

4750



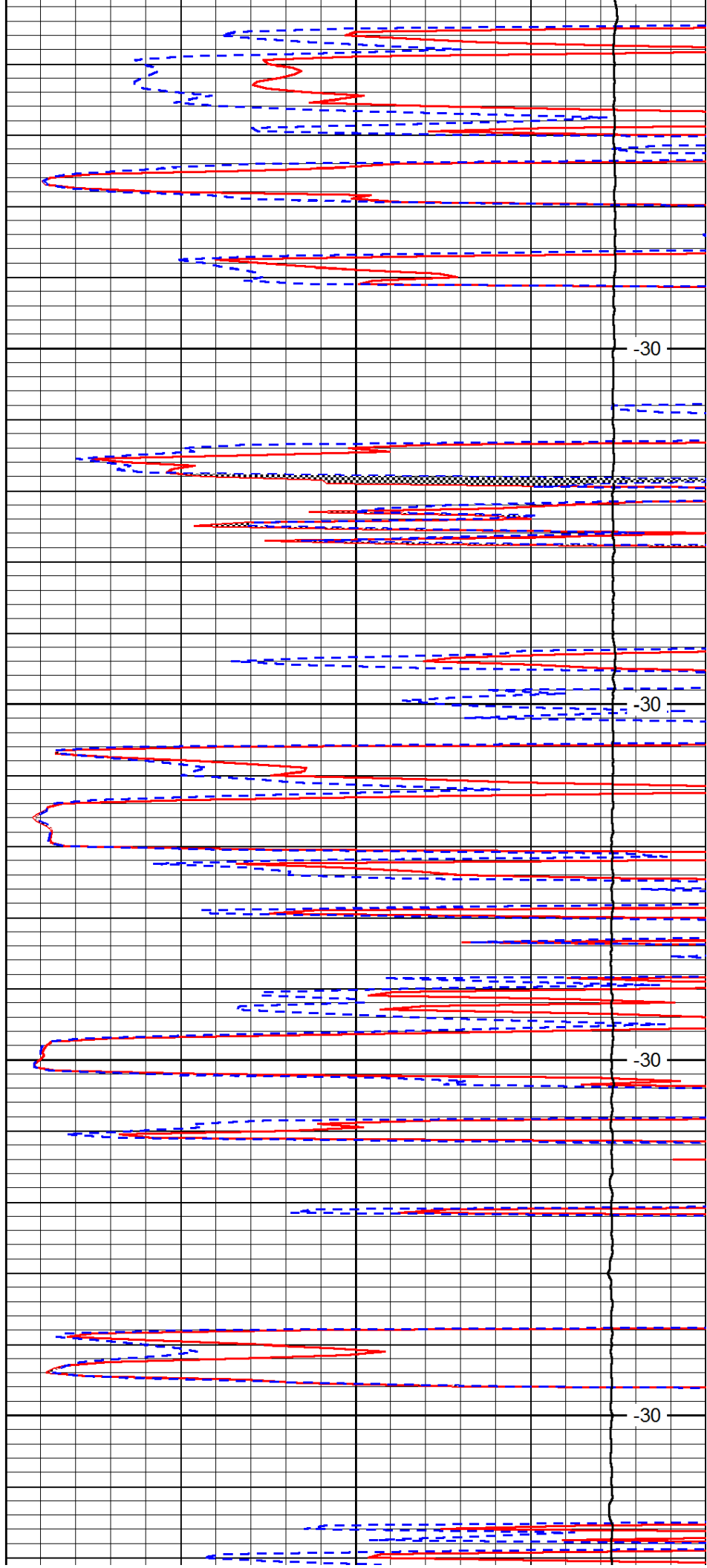


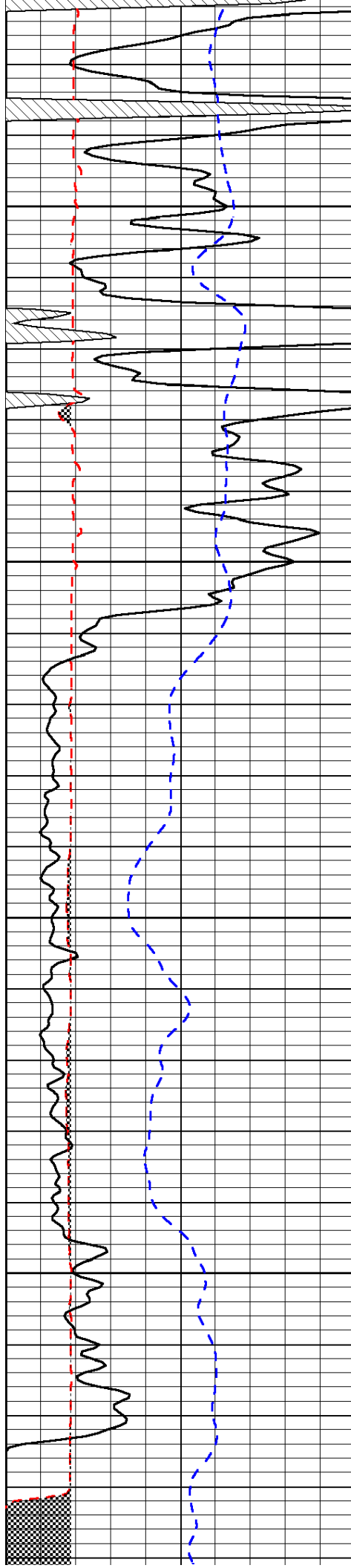
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4850

4900

4950



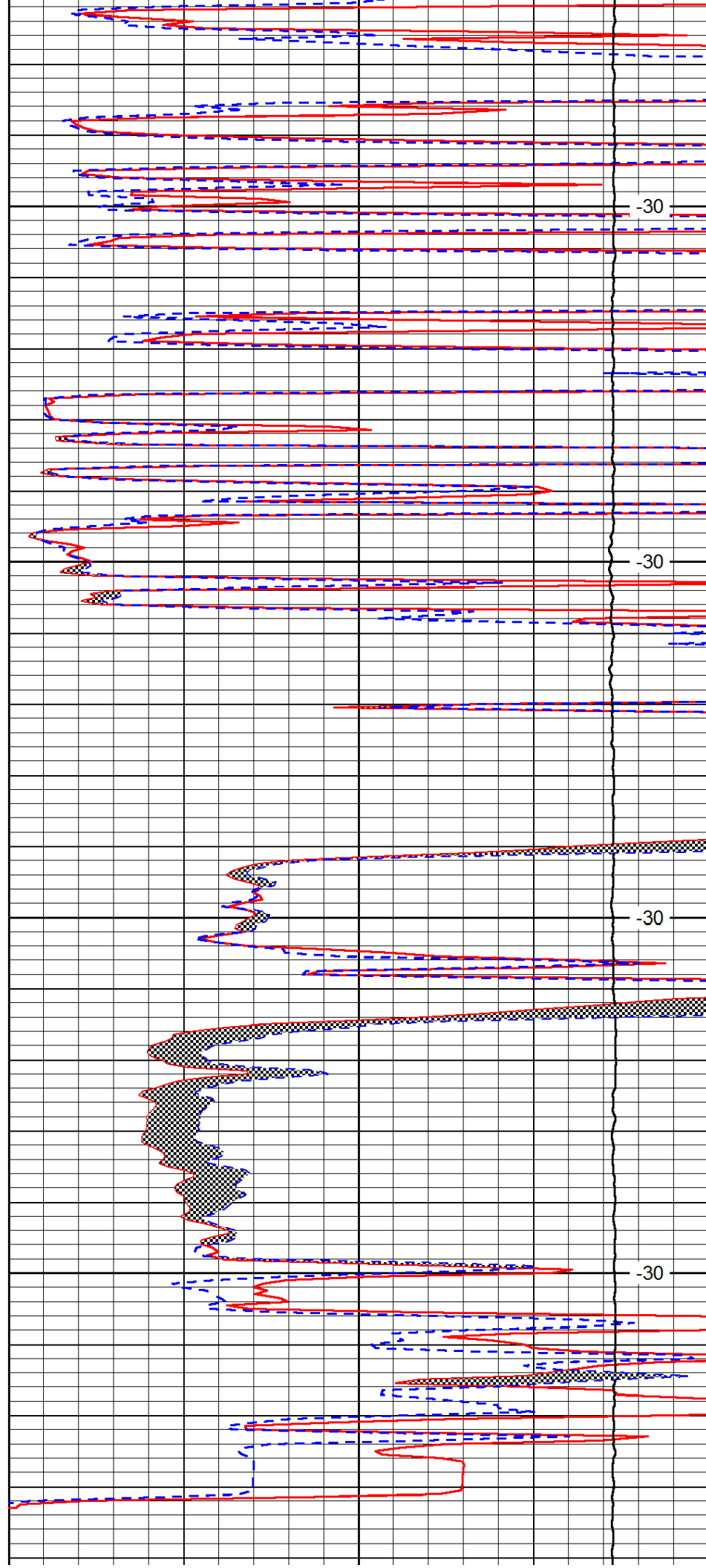


5000

5050

5100

5150

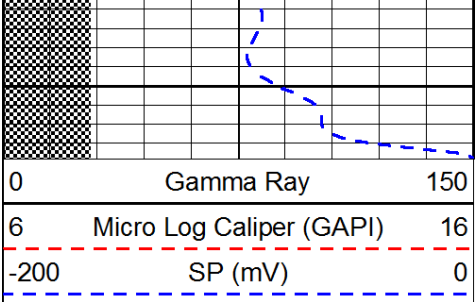


-30

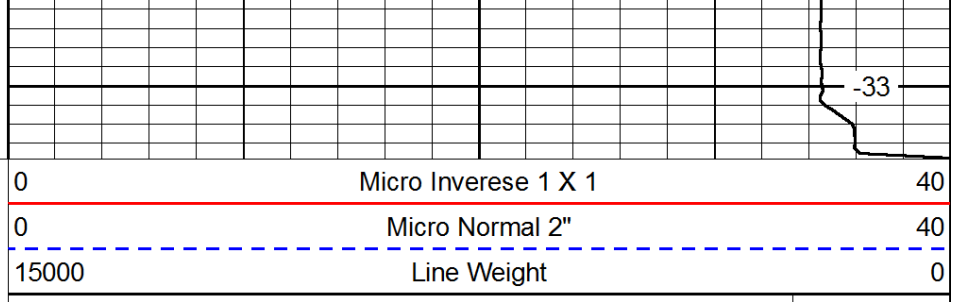
-30

-30

-30



5200



LSPD