

# LOG-TECH



## Microresistivity Log

DIGITAL LOG (785) 625-3858

|                                                                |                                                                                                  |  |
|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--|
| API No.<br>15-185-23,631-00-00                                 | Company LD Drilling, Inc.<br>Well Siefkes # 4<br>Field Max North<br>County Stafford State Kansas |  |
| Location<br>1250' FNL & 2225' FEL<br>Sec: 27 Twp: 21S Rge: 12W | Other Services<br>CNL/CDL<br>DIL/ BHCS<br>Elevation                                              |  |

|                        |                 |                         |            |
|------------------------|-----------------|-------------------------|------------|
| Permanent Datum        | Ground Level    | Elevation 1840'         | K.B. 1845' |
| Log Measured From      | Kelly Bushing   | 5 Ft. Above Perm. Datum | D.F. 1840' |
| Drilling Measured From | Kelly Bushing   |                         | G.L. 1840' |
| Date                   | 09/04/2010      |                         |            |
| Run Number             | Two             |                         |            |
| Depth Driller          | 3700            |                         |            |
| Depth Logger           | 3698            |                         |            |
| Bottom Logged Interval | 3697            |                         |            |
| Top Log Interval       | 3000            |                         |            |
| Casing Driller         | 8.625 @ 338     |                         |            |
| Casing Logger          | 340             |                         |            |
| Bit Size               | 7.875           |                         |            |
| Type Fluid in Hole     | Chemical        |                         |            |
| Salinity, ppm CL       | 10,000          |                         |            |
| Density / Viscosity    | 9.0 65          |                         |            |
| pH / Fluid Loss        | 9.5 9.5         |                         |            |
| Source of Sample       | Flowline        |                         |            |
| Rm @ Meas. Temp        | .45 @ 80        |                         |            |
| Rmf @ Meas. Temp       | .33 @ 80        |                         |            |
| Rmc @ Meas. Temp       | .60 @ 80        |                         |            |
| Source of Rmf / Rmc    | Charts          |                         |            |
| Rm @ BHT               | .31 @ 115       |                         |            |
| Operating Rig Time     | 4 Hours         |                         |            |
| Max Rec. Temp. F       | 115             |                         |            |
| Equipment Number       | 17              |                         |            |
| Location               | Hays            |                         |            |
| Recorded By            | Jason Wellbrock |                         |            |
| Witnessed By           | Jeff Christian  |                         |            |

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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.

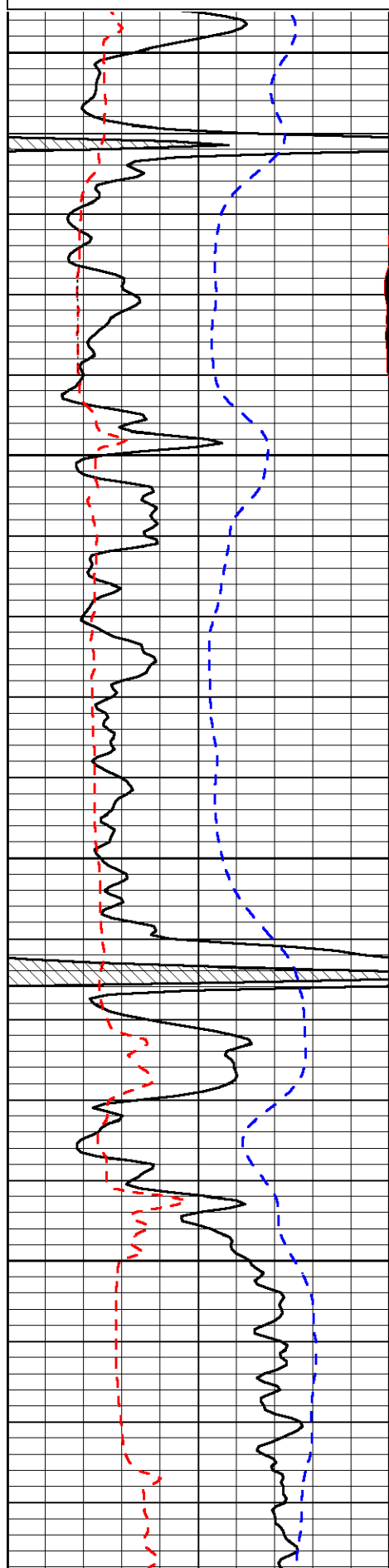
### Comments

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

Great Bend 11S, 6E, S Into

Database File: ldhd.db  
 Dataset Pathname: dil/ld2in  
 Presentation Format: micro  
 Dataset Creation: Sat Sep 04 14:49:26 2010  
 Charted by: Depth in Feet scaled 1:240

|       |                 |       |
|-------|-----------------|-------|
| 0     | Gamma Ray       | 150   |
| 6     | MCAL (GAPI)     | 16    |
| 2.875 | Mud Cake (GAPI) | 7.875 |
| -200  | SP              | 0     |



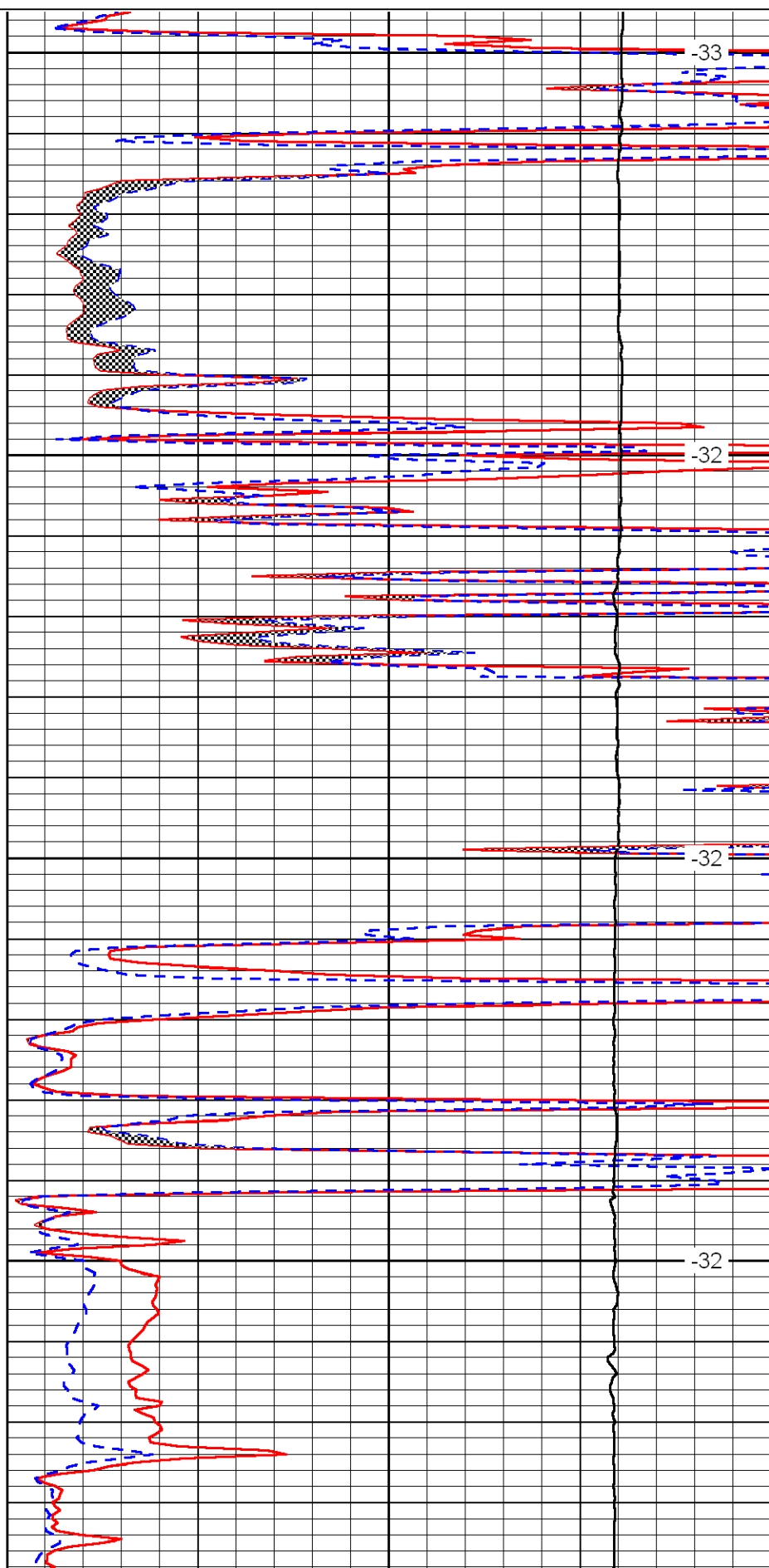
3000

3050

3100

3150

|       |                     |      |
|-------|---------------------|------|
| 0     | Micro Inverse 1 X 1 | 40   |
| 0     | Micro Normal 2"     | 40   |
| 10000 | Line Weight         | 0    |
|       |                     | LSPD |

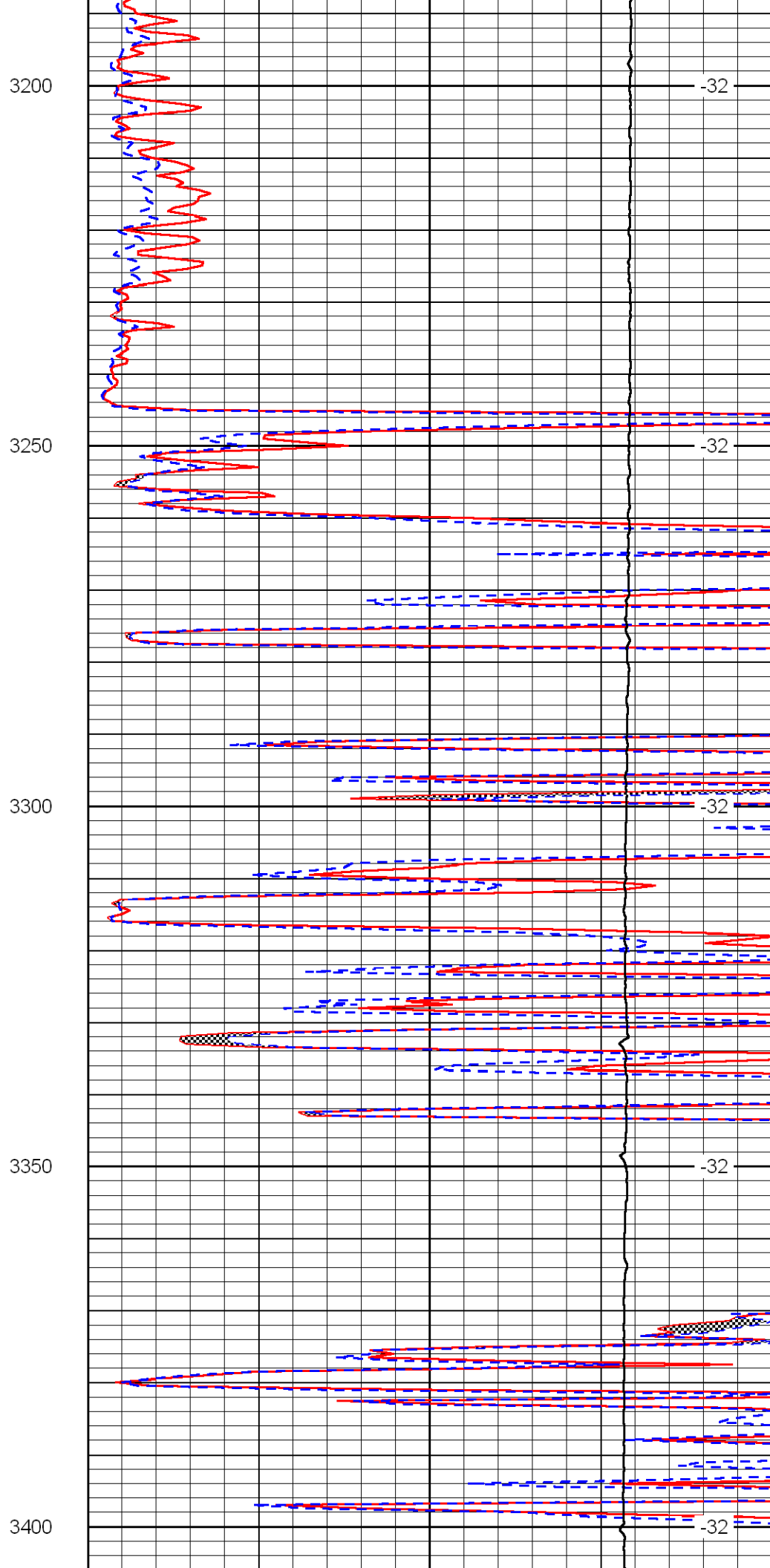
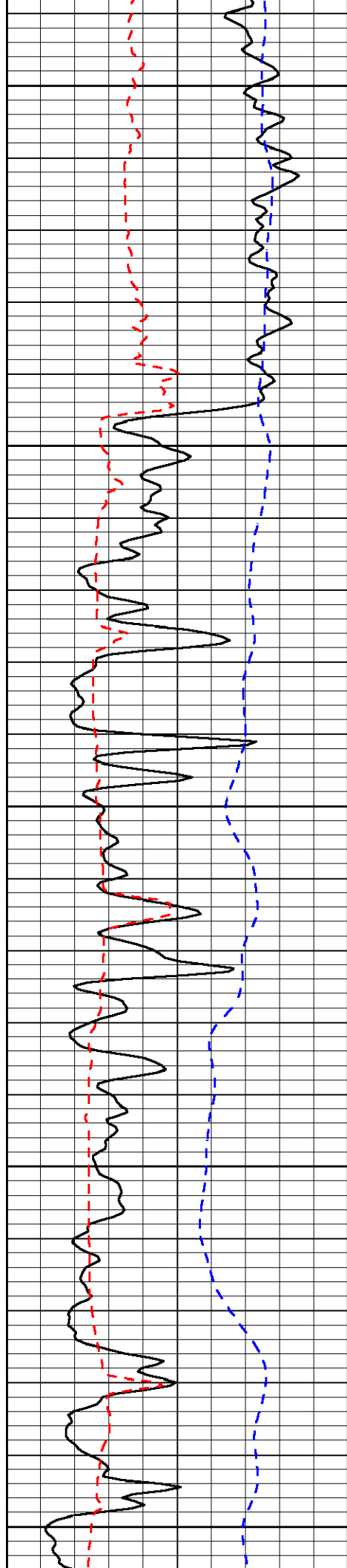


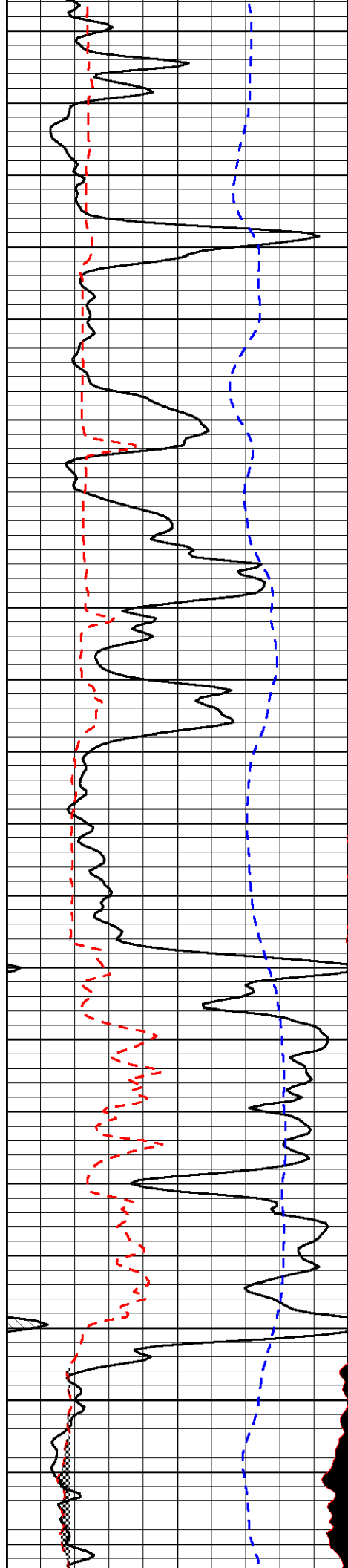
-33

-32

-32

-32



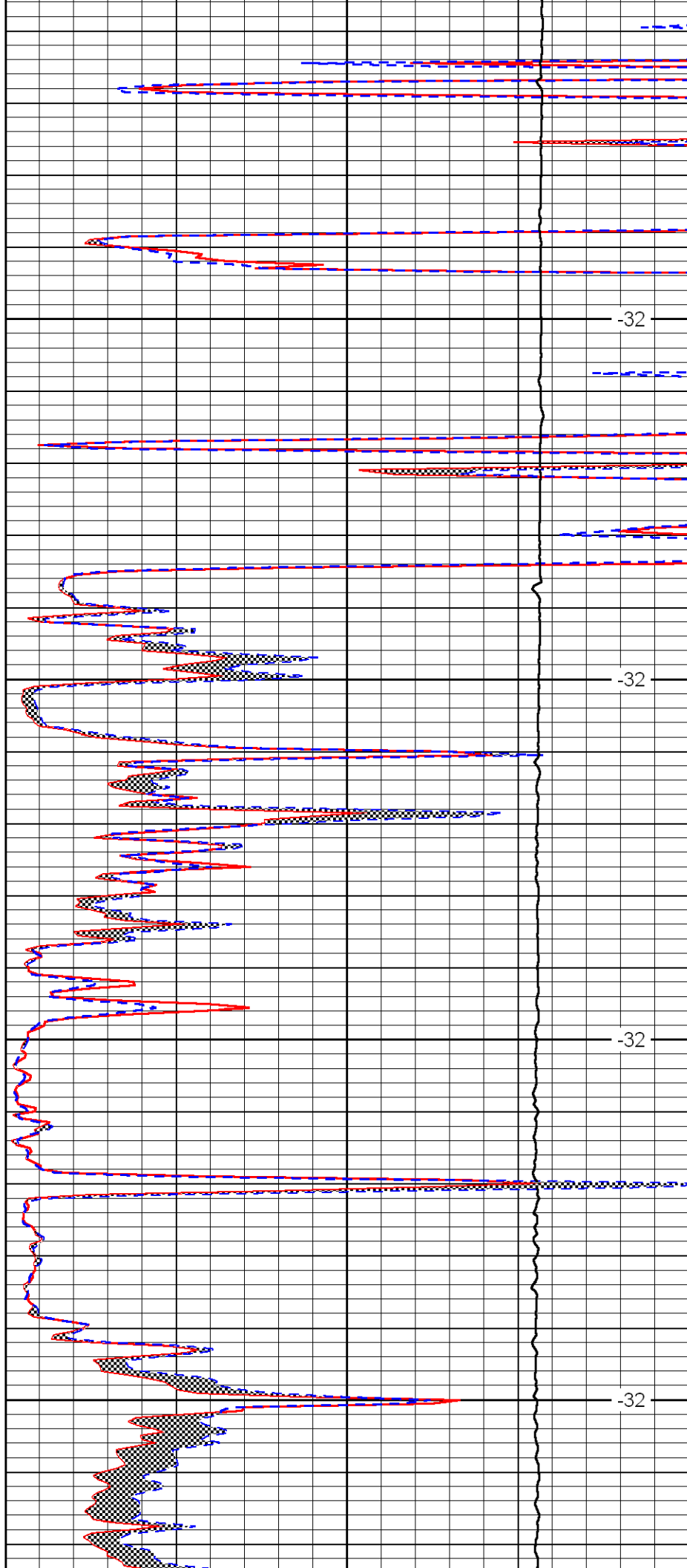


3450

3500

3550

3600

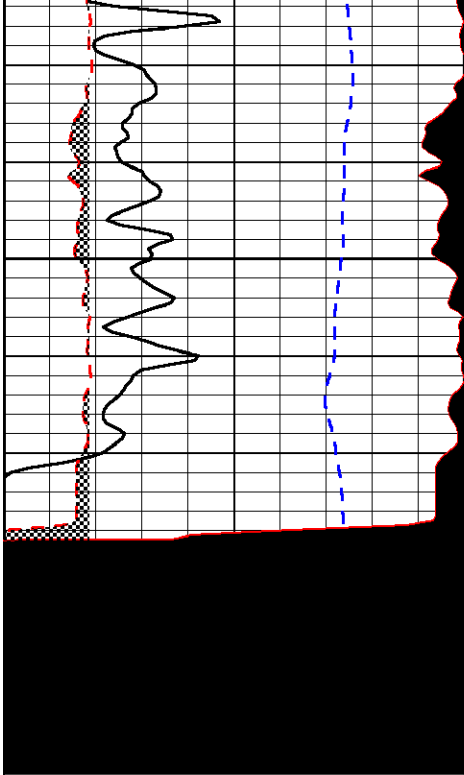


-32

-32

-32

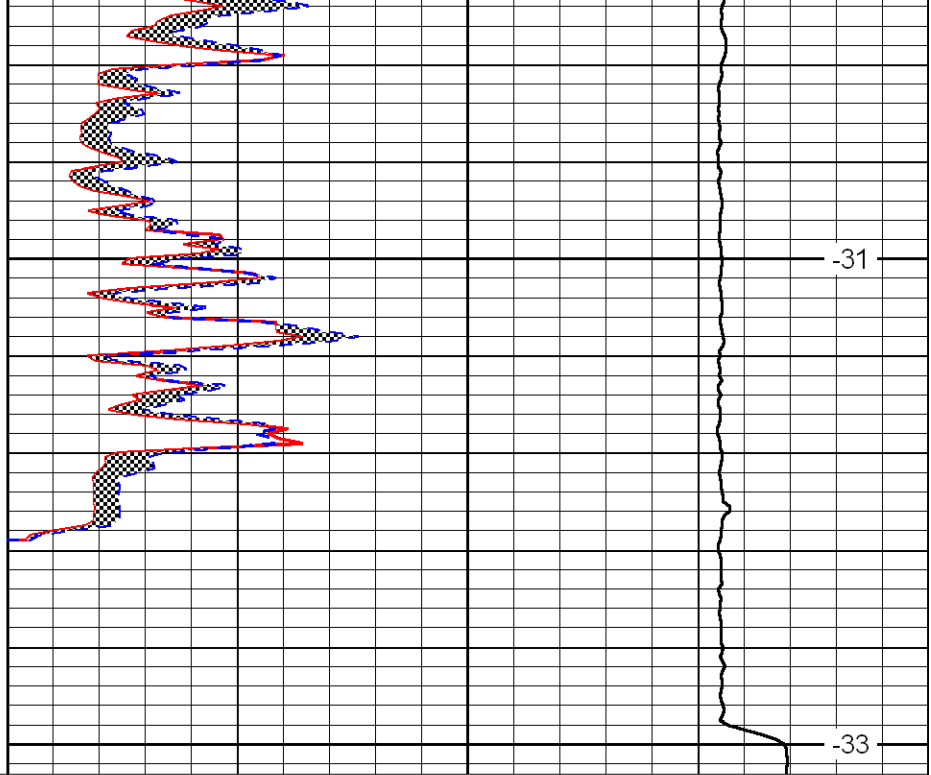
-32



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3700



|       |                     |    |
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| 0     | Micro Inverse 1 X 1 | 40 |
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LSPD