



Microresistivity  
Log

DIGITAL LOG (785) 625-3858

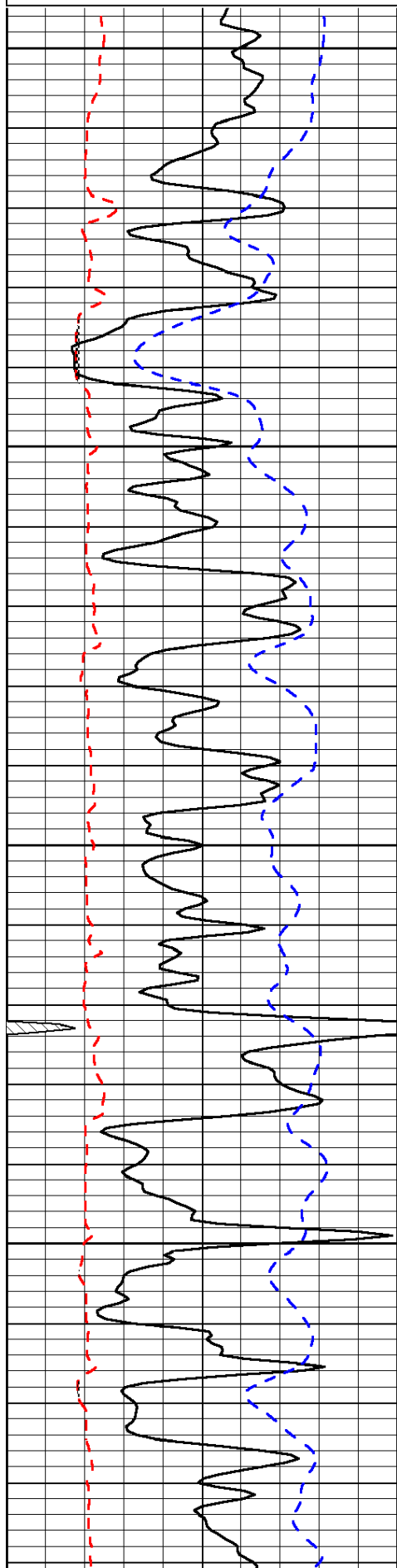
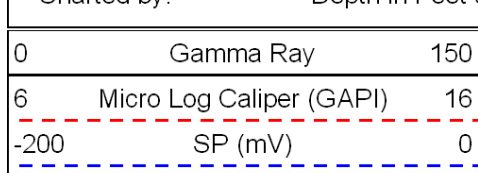
|                        |  |                                     |  |                                     |
|------------------------|--|-------------------------------------|--|-------------------------------------|
| API No.                |  | Company Bach Oil Production         |  |                                     |
| 15-147-20661-00-00     |  | Well Gaffney Unit #1                |  |                                     |
|                        |  | Field Wildcat                       |  |                                     |
|                        |  | County Phillips State Kansas        |  |                                     |
| Location               |  | NE SE NE NW<br>920' FNL & 2475' FWL |  |                                     |
| Sec: 26                |  | Twp: 1S                             |  | Rge: 19W                            |
| Permanent Datum        |  | Ground Level                        |  | Elevation 2165                      |
| Log Measured From      |  | Kelly Bushing                       |  | 5 Ft. Above Perm. Datum             |
| Drilling Measured From |  | Kelly Bushing                       |  | K.B. 2170<br>D.F. 2165<br>G.L. 2165 |
| Date                   |  | 3/5/2012                            |  |                                     |
| Run Number             |  | Two                                 |  |                                     |
| Depth Driller          |  | 3842                                |  |                                     |
| Depth Logger           |  | 3840                                |  |                                     |
| Bottom Logged Interval |  | 3839                                |  |                                     |
| Top Log Interval       |  | 3000                                |  |                                     |
| Casing Driller         |  | 8.625 @ 222                         |  |                                     |
| Casing Logger          |  | 229                                 |  |                                     |
| Bit Size               |  | 7.875                               |  |                                     |
| Type Fluid in Hole     |  | Chemical                            |  |                                     |
| Salinity,ppm CL        |  | 1000                                |  |                                     |
| Density / Viscosity    |  | 9.3 53                              |  |                                     |
| pH / Fluid Loss        |  | 11.0 7.8                            |  |                                     |
| Source of Sample       |  | Flowline                            |  |                                     |
| Rm @ Meas. Temp        |  | 1.20 @ 58                           |  |                                     |
| Rmf @ Meas. Temp       |  | 0.90 @ 58                           |  |                                     |
| Rmc @ Meas. Temp       |  | 1.62 @ 58                           |  |                                     |
| Source of Rmf / Rmc    |  | Charts                              |  |                                     |
| Rm @ BHT               |  | 0.61 @ 114                          |  |                                     |
| Operating Rig Time     |  | 5 Hours                             |  |                                     |
| Max Rec. Temp. F       |  | 114                                 |  |                                     |
| Equipment Number       |  | 10                                  |  |                                     |
| Location               |  | Hays                                |  |                                     |
| Recorded By            |  | D. Schmidt                          |  |                                     |
| Witnessed By           |  | Bob Petersen                        |  |                                     |

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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  
  
Phillipsburg,  
10 N to Hunter Rd, 5 W to 500 Rd,  
3 N to Eagle Rd, W into

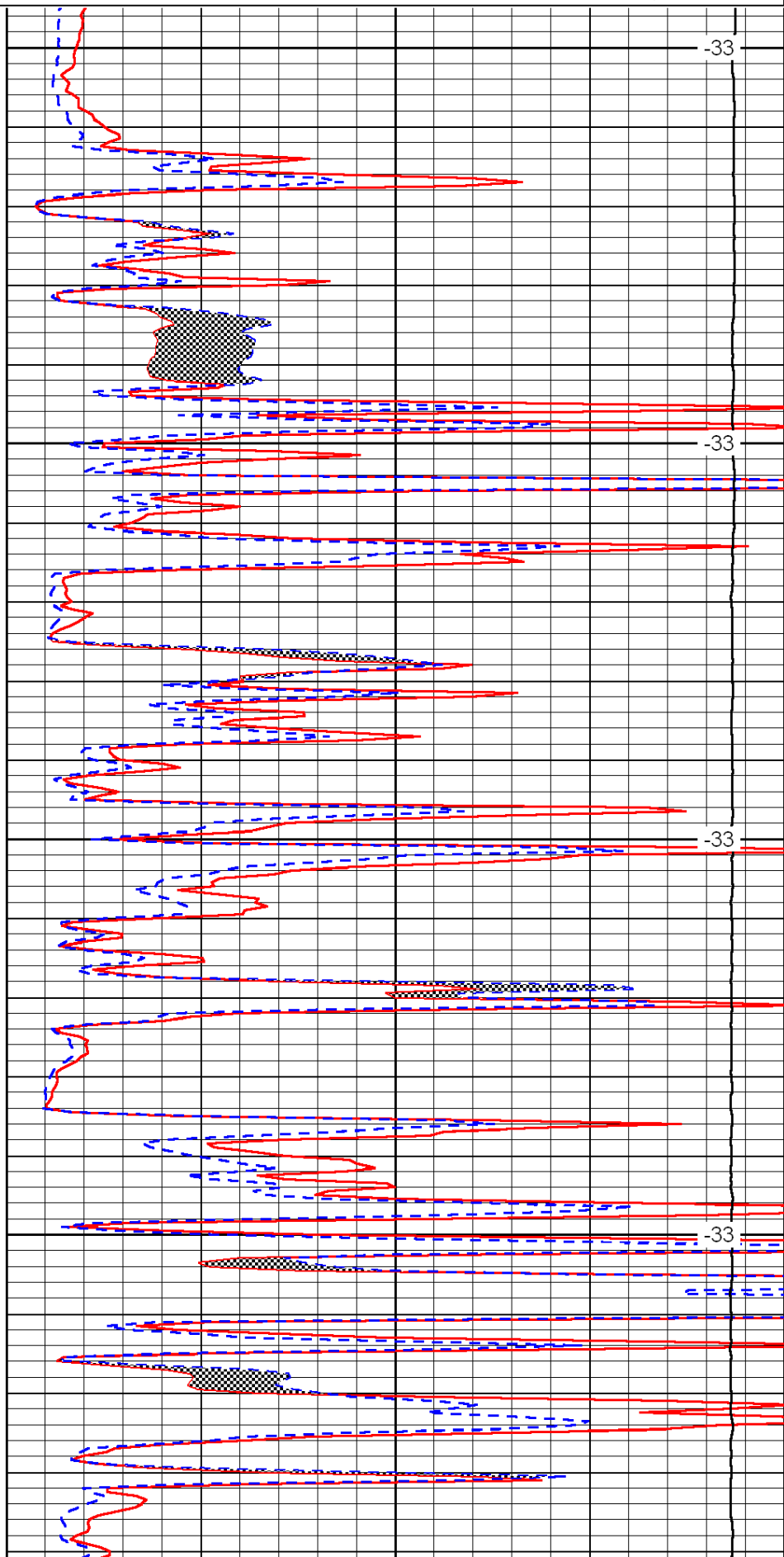
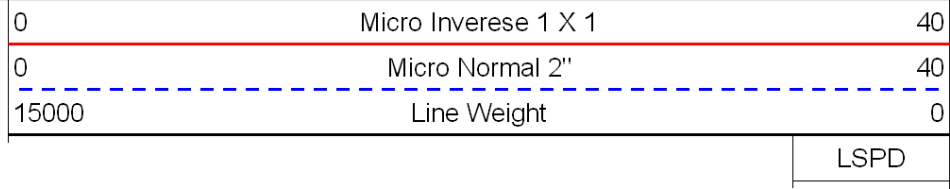


3000

3050

3100

3150

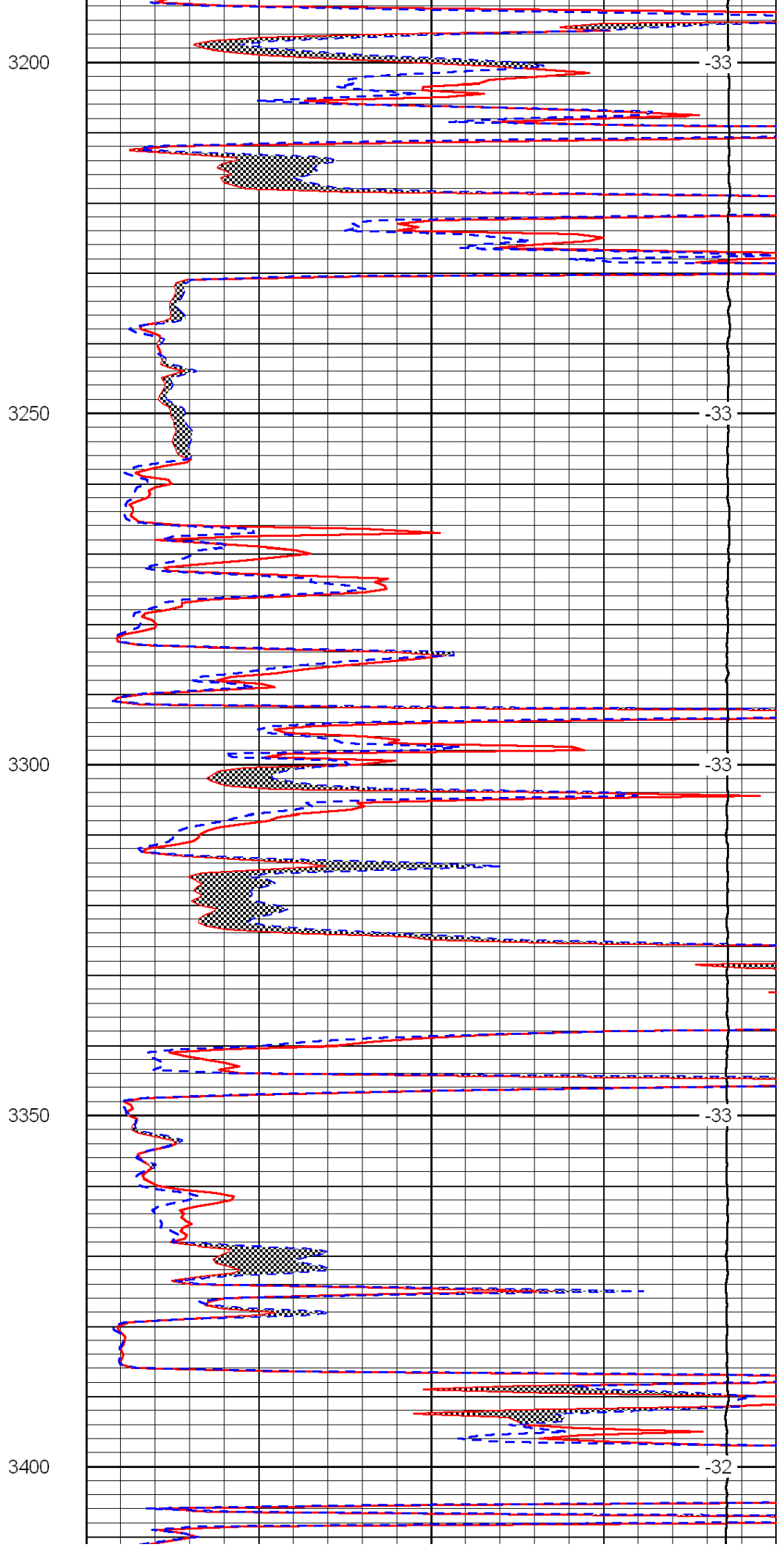
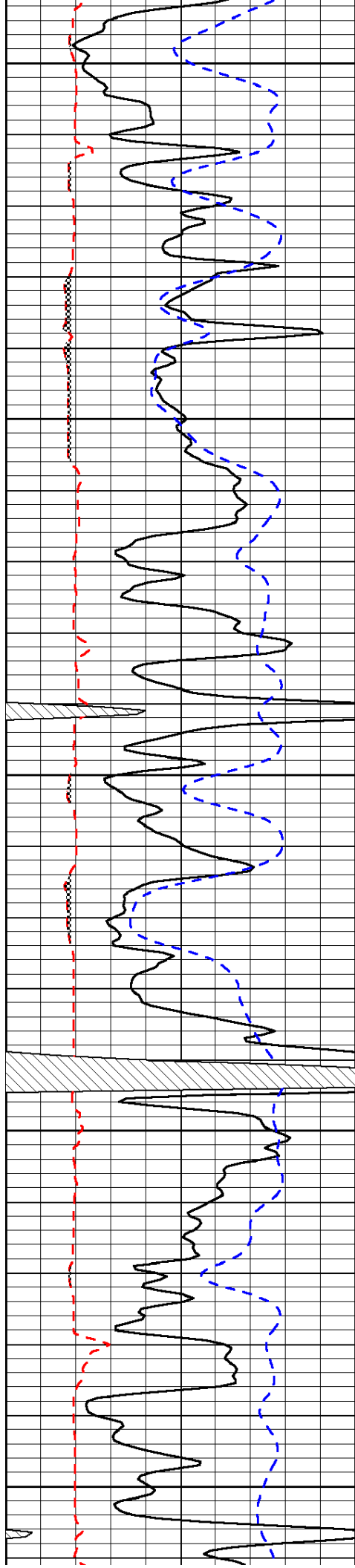


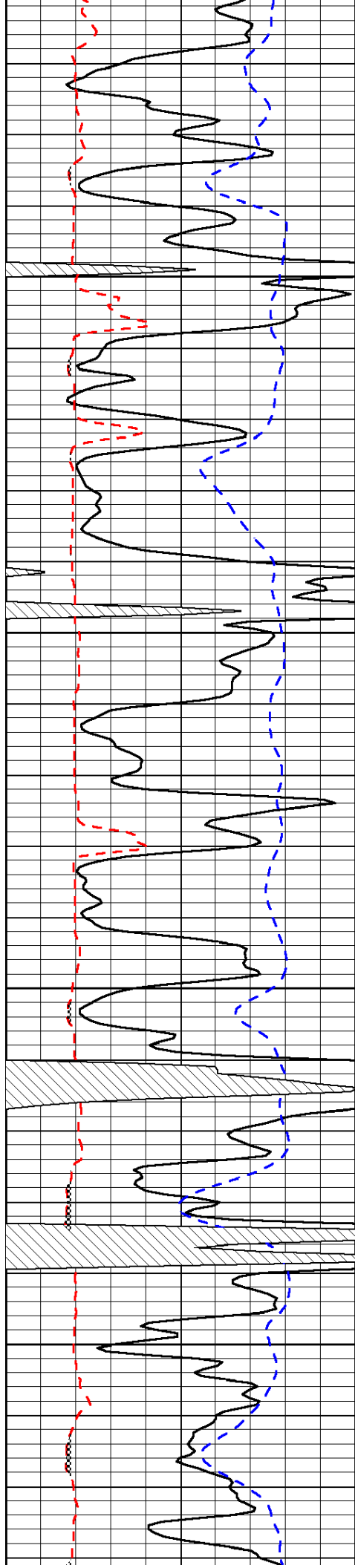
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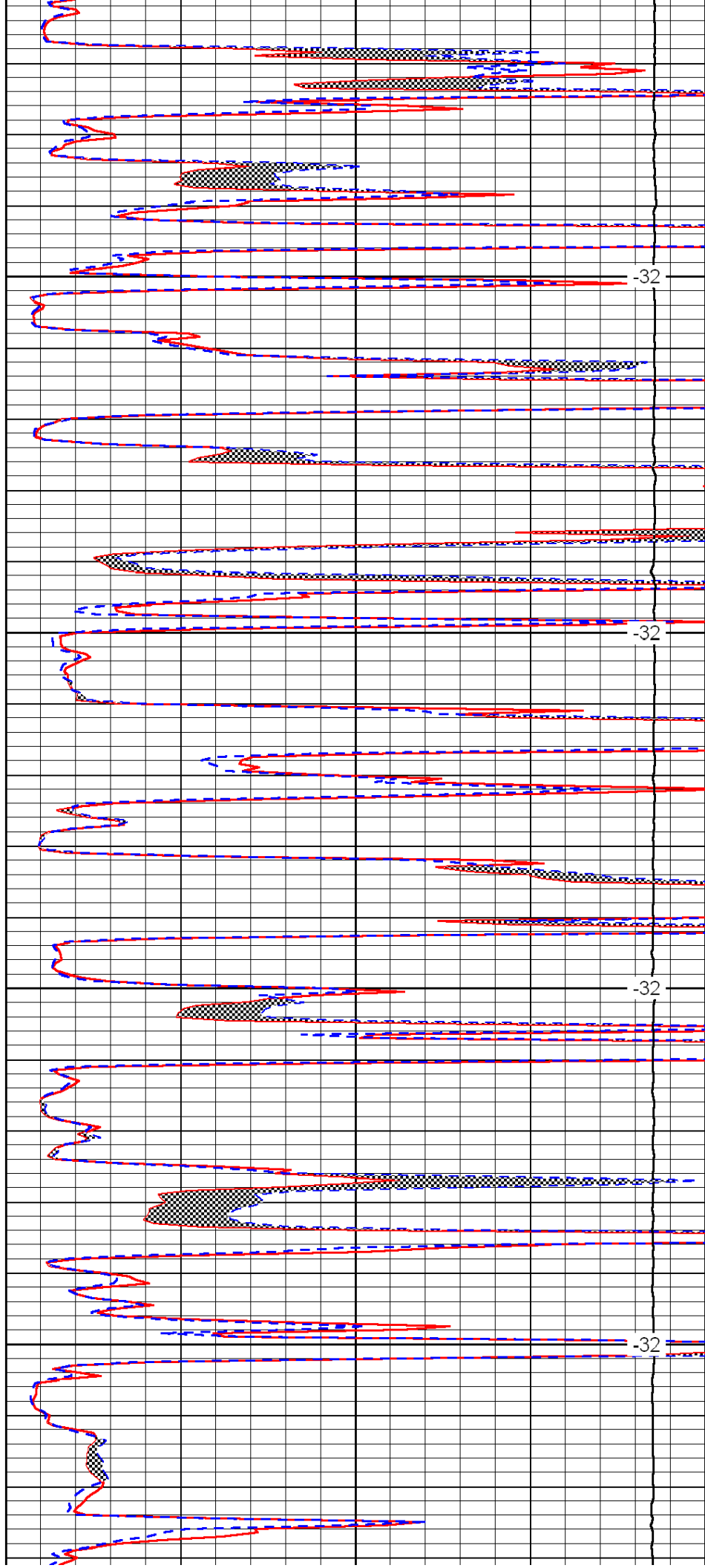


3450

3500

3550

3600

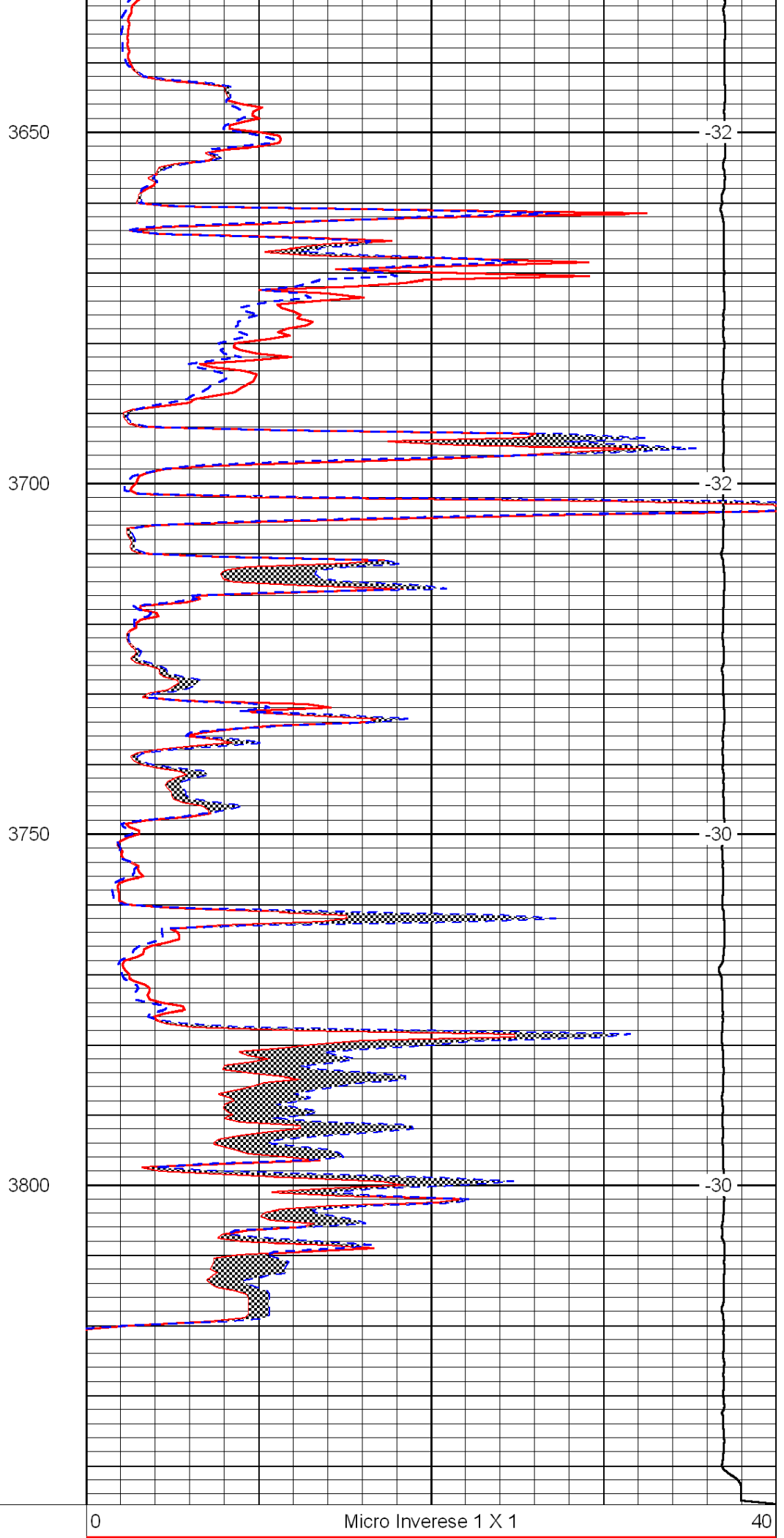
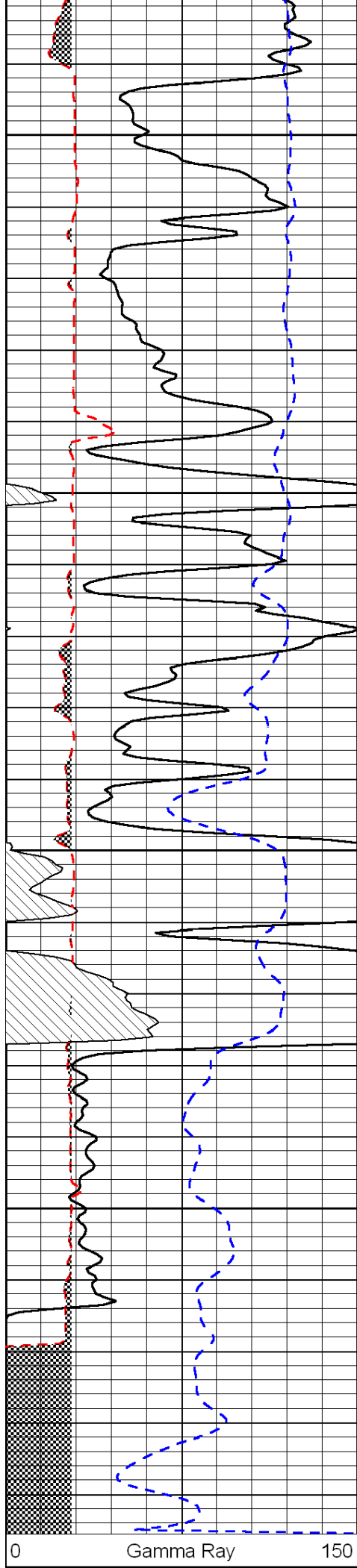


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|      |                          |    |
|------|--------------------------|----|
| 6    | Micro Log Caliper (GAPI) | 16 |
| -200 | SP (mV)                  | 0  |

|       |                 |      |
|-------|-----------------|------|
| 0     | Micro Normal 2" | 40   |
| 15000 | Line Weight     | 0    |
|       |                 | LSPD |