



# Microresistivity Log

DIGITAL LOG (785) 625-3858

|                        |                                               |                                  |           |
|------------------------|-----------------------------------------------|----------------------------------|-----------|
| API No.                | Company TDI, Inc.                             |                                  |           |
|                        | Well Hiatt No.1                               |                                  |           |
|                        | Field Wildcat                                 |                                  |           |
|                        | County Ellis                                  | State                            | Kansas    |
| 15-051-26,123-00-00    | Location E2 W2 E2 SW<br>1320' FSL & 1855' FWL | Other Services<br>CNL/CDL<br>DIL |           |
|                        | Sec: 7 Twp: 14S                               | Rge: 18W                         | Elevation |
| Permanent Datum        | Ground Level                                  |                                  | K.B. 2161 |
| Log Measured From      | Kelly Bushing                                 | 10 Ft. Above Perm. Datum         | D.F. 2151 |
| Drilling Measured From | Kelly Bushing                                 |                                  | G.L. 2151 |
| Date                   | 5/21/2011                                     |                                  |           |
| Run Number             | Two                                           |                                  |           |
| Depth Driller          | 3900                                          |                                  |           |
| Depth Logger           | 3899                                          |                                  |           |
| Bottom Logged Interval | 3898                                          |                                  |           |
| Top Log Interval       | 2900                                          |                                  |           |
| Casing Driller         | 8.625 @ 234                                   |                                  |           |
| Casing Logger          | 235                                           |                                  |           |
| Bit Size               | 7.875                                         |                                  |           |
| Type Fluid in Hole     | Chemical                                      |                                  |           |
| Salinity,ppm CL        | 10,000                                        |                                  |           |
| Density / Viscosity    | 9.4 59                                        |                                  |           |
| pH / Fluid Loss        | 10.0 8.4                                      |                                  |           |
| Source of Sample       | Flowline                                      |                                  |           |
| Rm @ Meas. Temp        | .3 @ 77                                       |                                  |           |
| Rmf @ Meas. Temp       | .23 @ 77                                      |                                  |           |
| Rmc @ Meas. Temp       | .41 @ 77                                      |                                  |           |
| Source of Rmf / Rmc    | Charts                                        |                                  |           |
| Rm @ BHT               | .2 @ 117                                      |                                  |           |
| Operating Rig Time     | 3 1/2 Hours                                   |                                  |           |
| Max Rec. Temp. F       | 117                                           |                                  |           |
| Equipment Number       | 17                                            |                                  |           |
| Location               | Hays                                          |                                  |           |
| Recorded By            | C. Desaire                                    |                                  |           |
| Witnessed By           | Tom Denning                                   |                                  |           |

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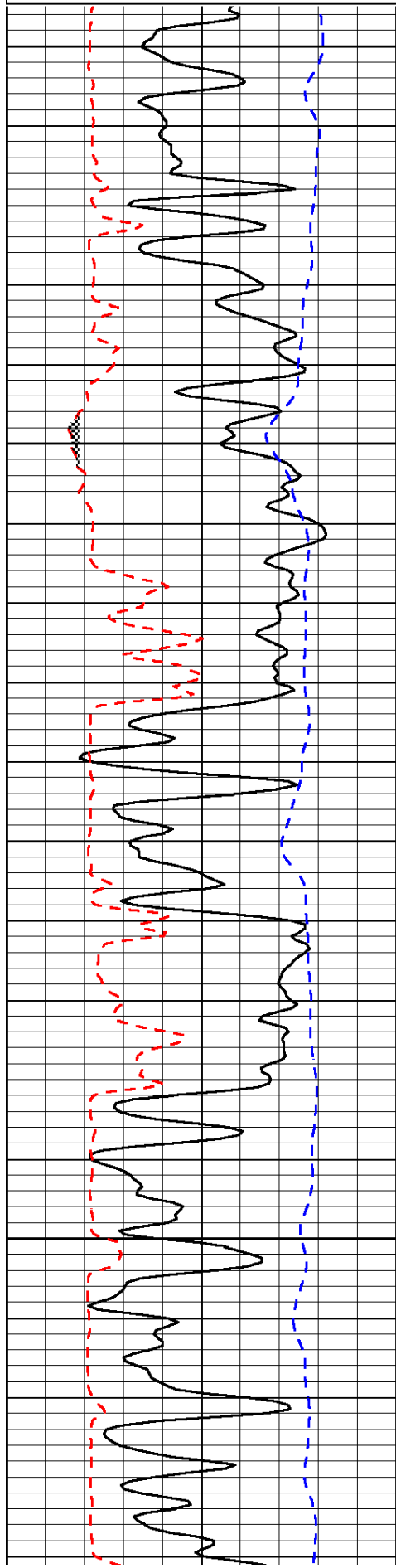
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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

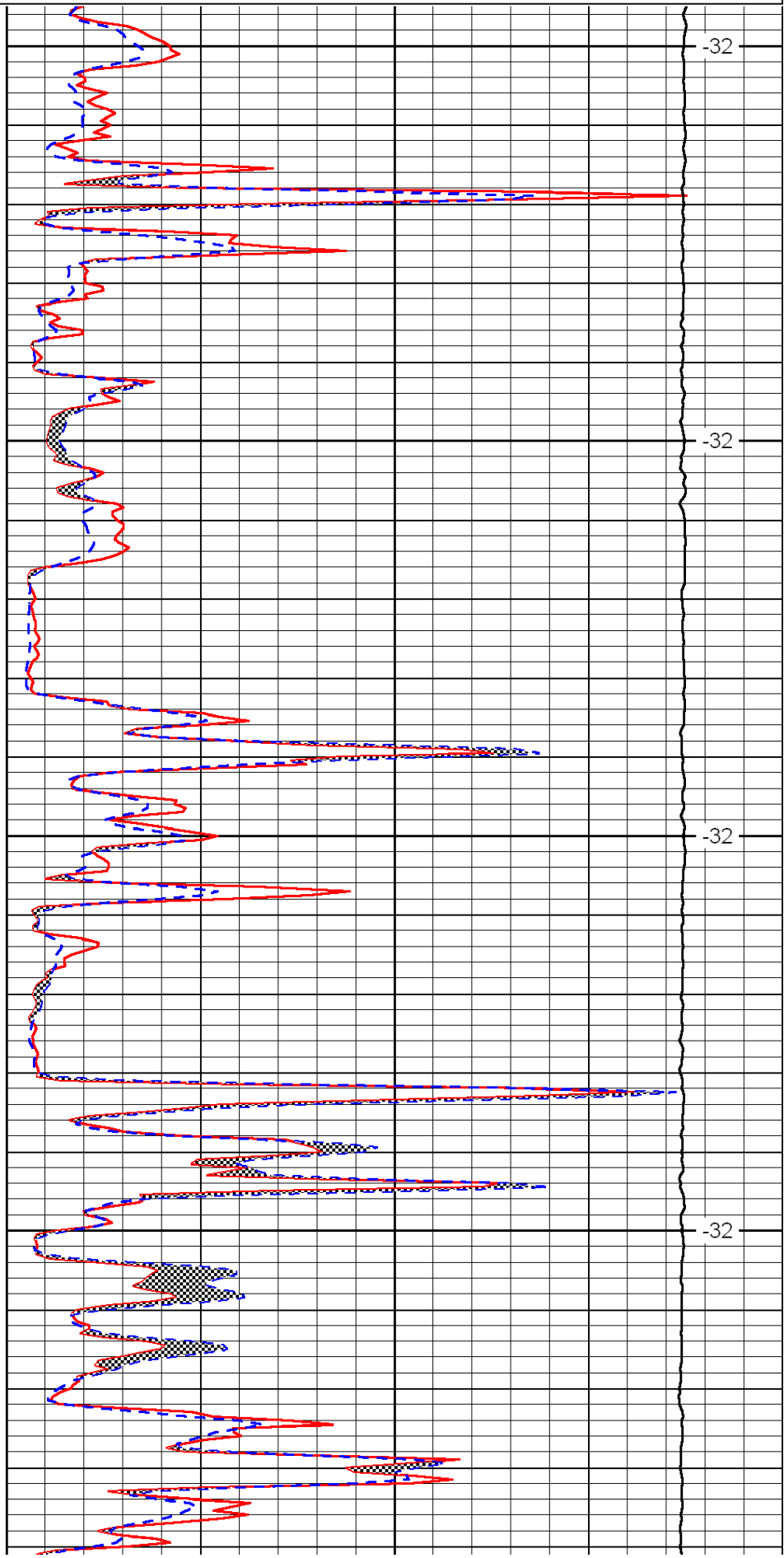
Hays KS,  
3/4 N of Log-Tech to Springhill Rd,  
2 W, Turn N, E & N Into

|                                         |                          |     |
|-----------------------------------------|--------------------------|-----|
| Charted by: Depth in Feet scaled 1:2.15 |                          |     |
| 0                                       | Gamma Ray                | 150 |
| 6                                       | Micro Log Caliper (GAPI) | 16  |
| -200                                    | SP (mV)                  | 0   |

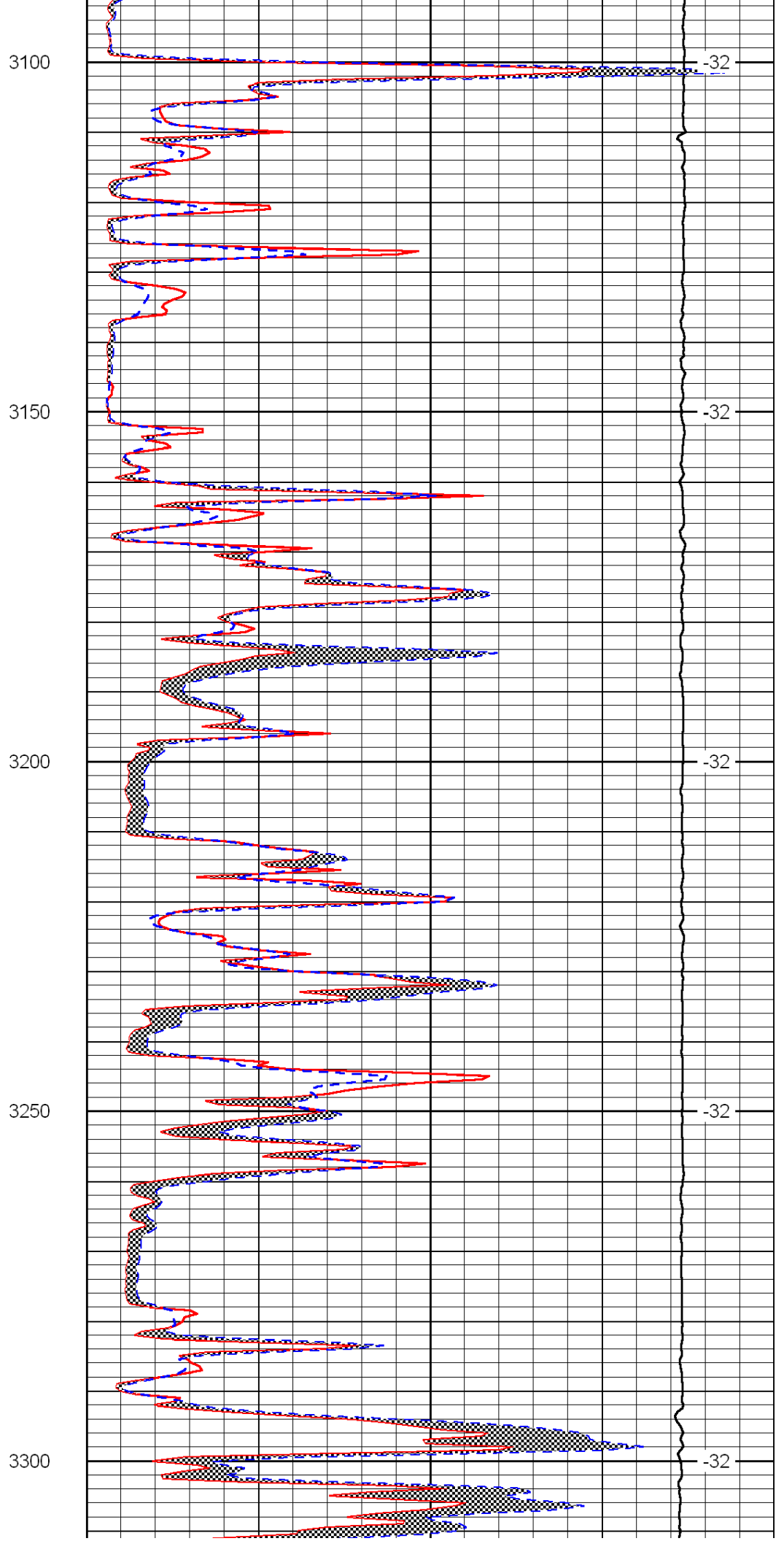
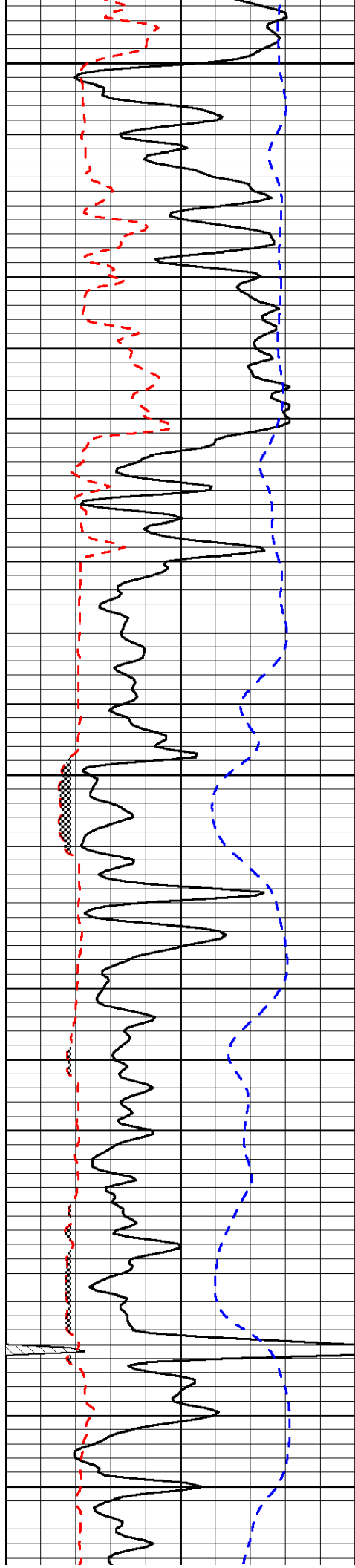


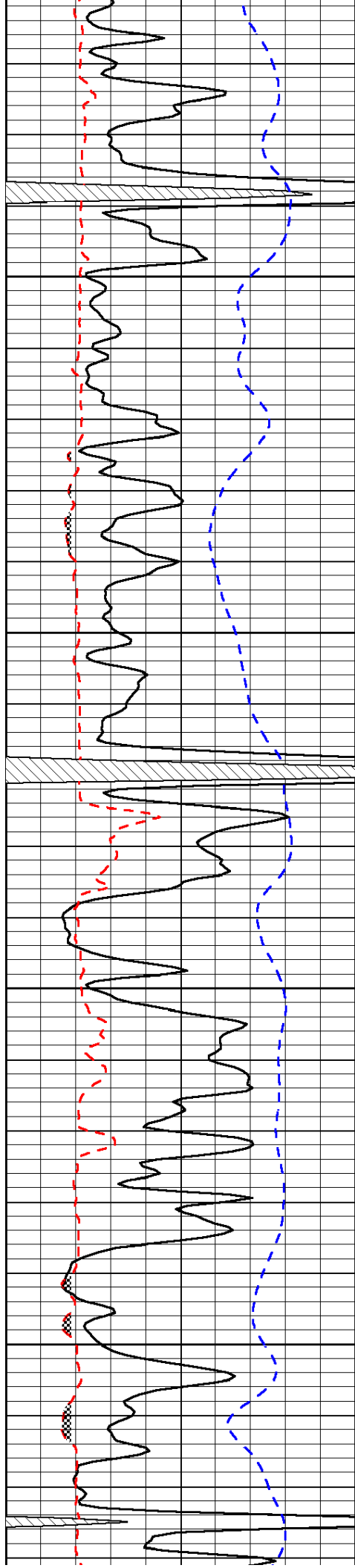
2900  
2950  
3000  
3050

|       |                     |    |
|-------|---------------------|----|
| 0     | Micro Inverse 1 X 1 | 40 |
| 0     | Micro Normal 2"     | 40 |
| 15000 | Line Weight         | 0  |



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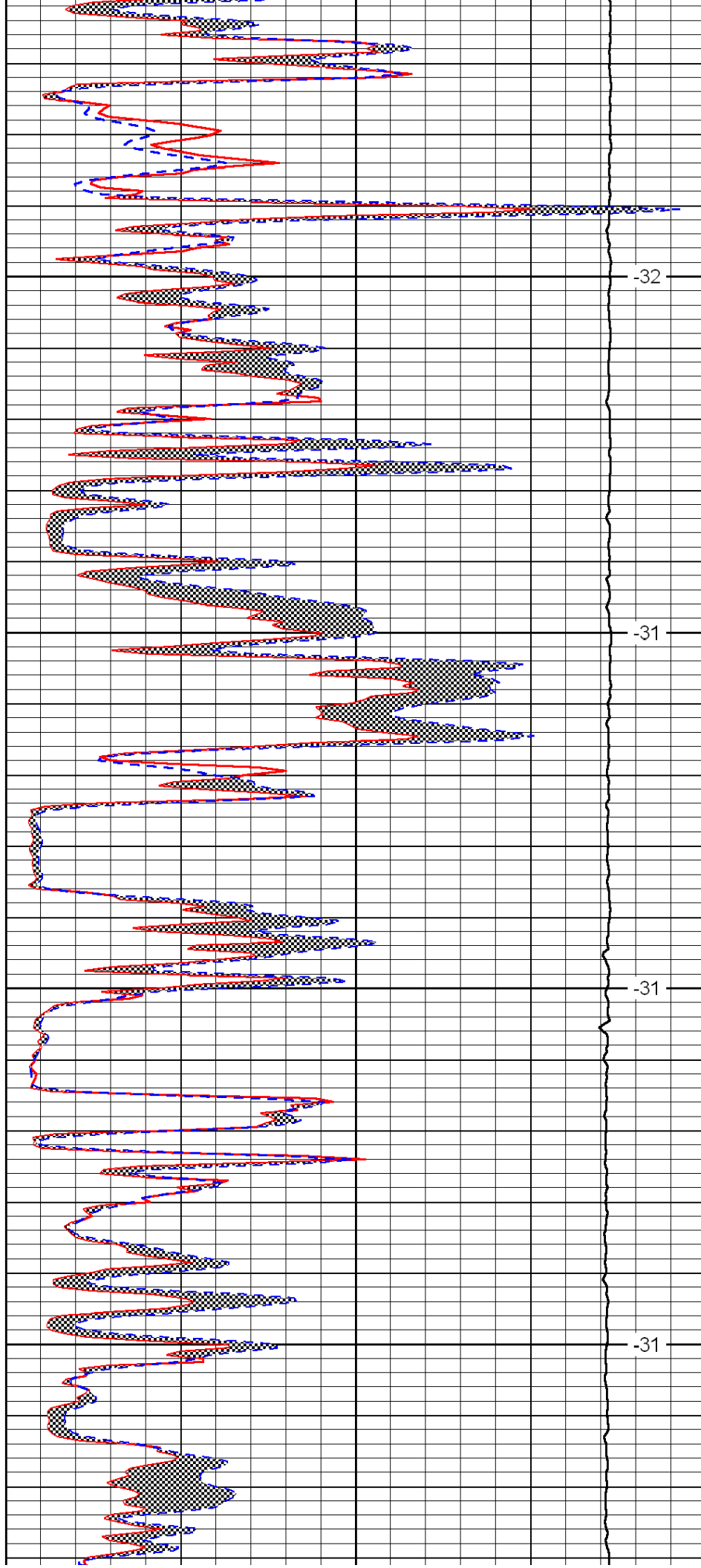


3350

3400

3450

3500

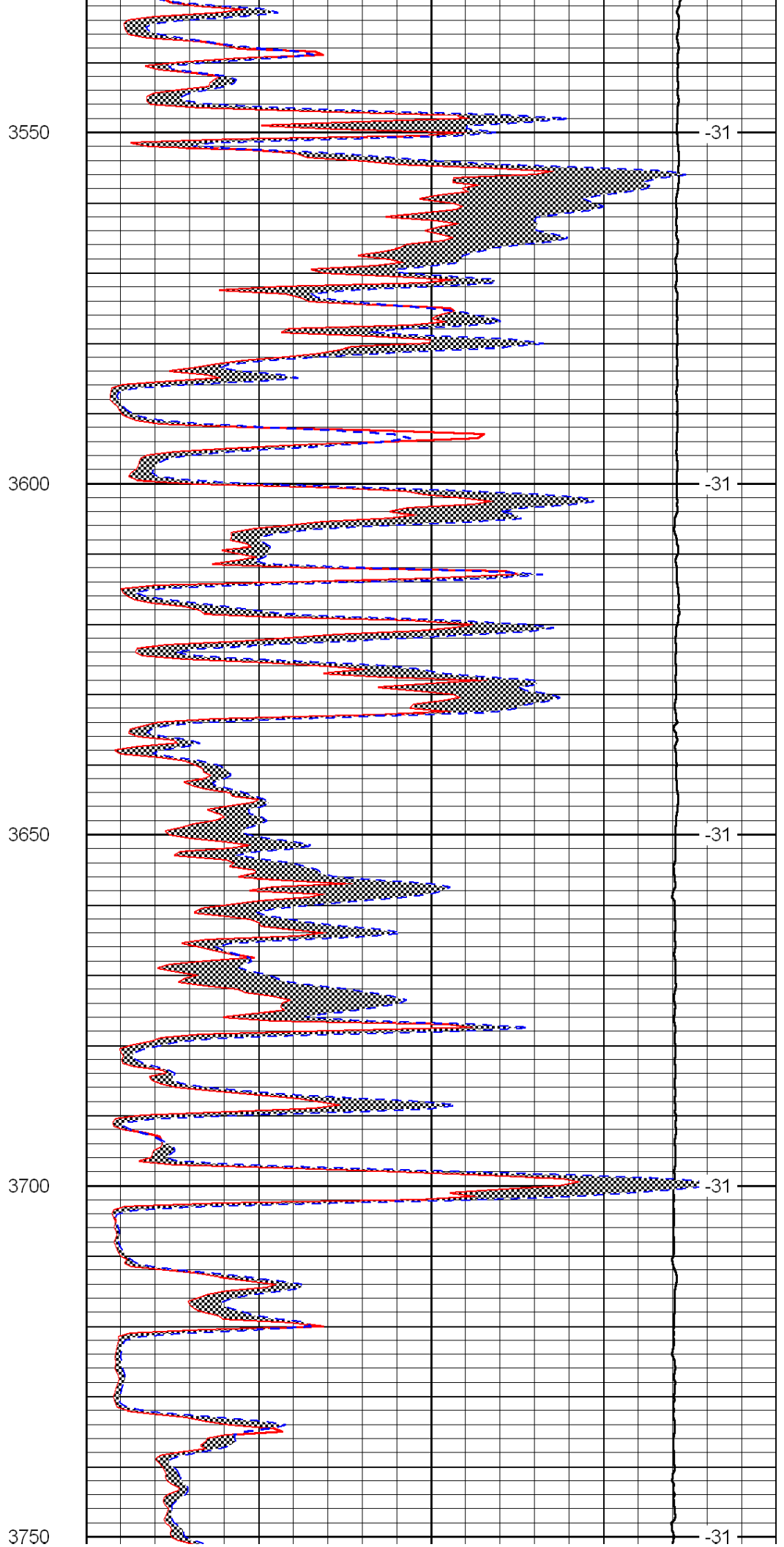
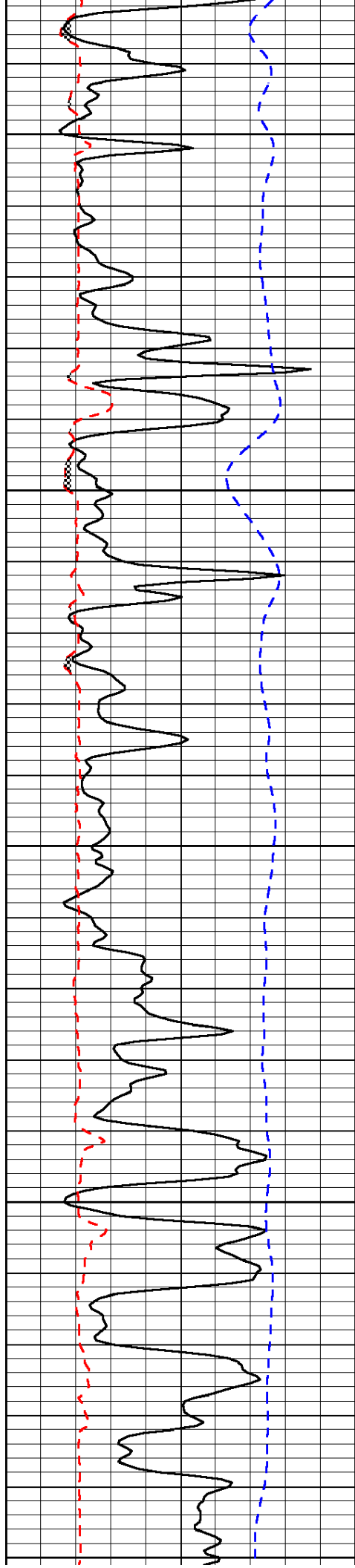


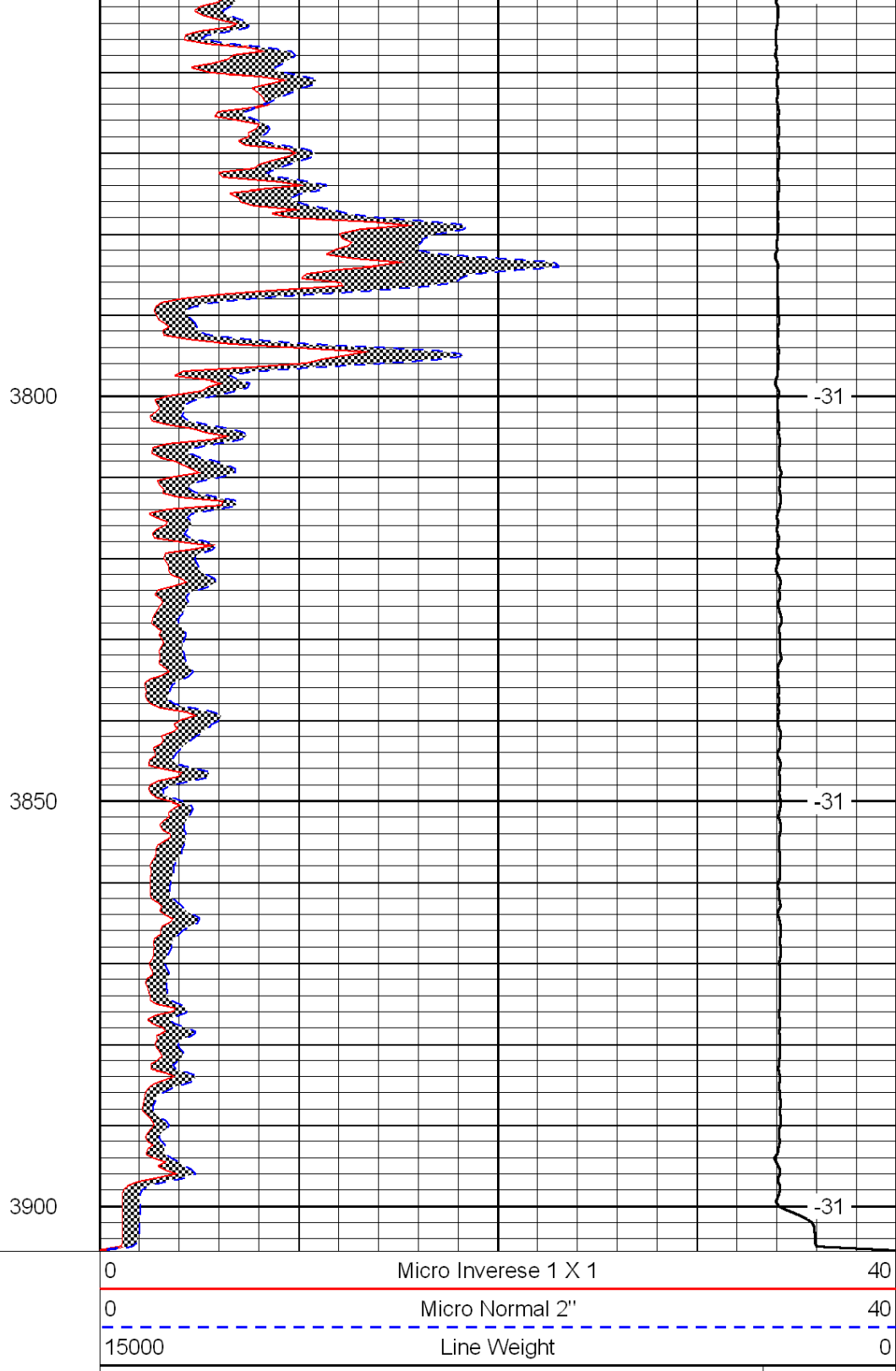
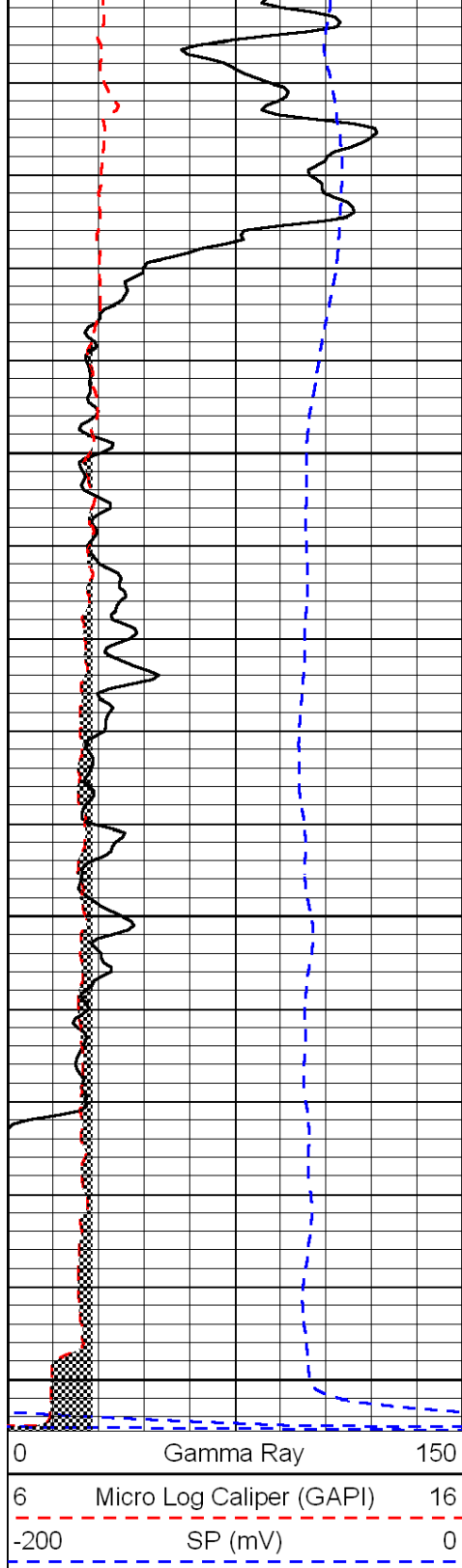
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