



# PIONEER

Pioneer Energy Services

## Dual Induction Log

|                        |                                      |          |                                     |
|------------------------|--------------------------------------|----------|-------------------------------------|
| API No.                | 15-163-24293-00-00                   |          |                                     |
| Company                | VENTURE RESOURCES, INC.              |          |                                     |
| Well                   | HAHN #6                              |          |                                     |
| Field                  | BEMIS-SHUTTS                         |          |                                     |
| County                 | ROOKS                                | State    | KANSAS                              |
| Location               | W/2 NW SW SE<br>990' FSL & 2315' FEL |          | Other Services<br>CNL/CDL<br>MEL    |
| Sec: 31                | Twp: 10S                             | Rge: 17W | Elevation                           |
| Permanent Datum        | GROUND LEVEL                         |          | Elevation 2078                      |
| Log Measured From      | KELLY BUSHING                        |          | 7 Ft. Above Perm. Datum             |
| Drilling Measured From | KELLY BUSHING                        |          | K.B. 2085<br>D.F. 2078<br>G.L. 2078 |
| Date                   | 5/8/2015                             |          |                                     |
| Run Number             | ONE                                  |          |                                     |
| Depth Driller          | 3639                                 |          |                                     |
| Depth Logger           | 3636                                 |          |                                     |
| Bottom Logged Interval | 3635                                 |          |                                     |
| Top Log Interval       | 1350                                 |          |                                     |
| Casing Driller         | 8.625 @ 1353                         |          |                                     |
| Casing Logger          | 1350                                 |          |                                     |
| Bit Size               | 7.875                                |          |                                     |
| Type Fluid in Hole     | CHEMICAL                             |          |                                     |
| Salinity, ppm CL       | 9800                                 |          |                                     |
| Density / Viscosity    | 9.3 60                               |          |                                     |
| pH / Fluid Loss        | 10.5 6.8                             |          |                                     |
| Source of Sample       | Flowline                             |          |                                     |
| Rm @ Meas. Temp        | 0.43 @ 72                            |          |                                     |
| Rmf @ Meas. Temp       | 0.32 @ 72                            |          |                                     |
| Rmc @ Meas. Temp       | 0.58 @ 72                            |          |                                     |
| Source of Rmf / Rmc    | Charts                               |          |                                     |
| Rm @ BHT               | 0.28 @ 112                           |          |                                     |
| Operating Rig Time     | 5 HOURS                              |          |                                     |
| Max Rec. Temp. F       | 112                                  |          |                                     |
| Equipment Number       | 15                                   |          |                                     |
| Location               | HAYS                                 |          |                                     |
| Recorded By            | D.KERR                               |          |                                     |
| Witnessed By           | BRAD RINE                            |          |                                     |

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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.

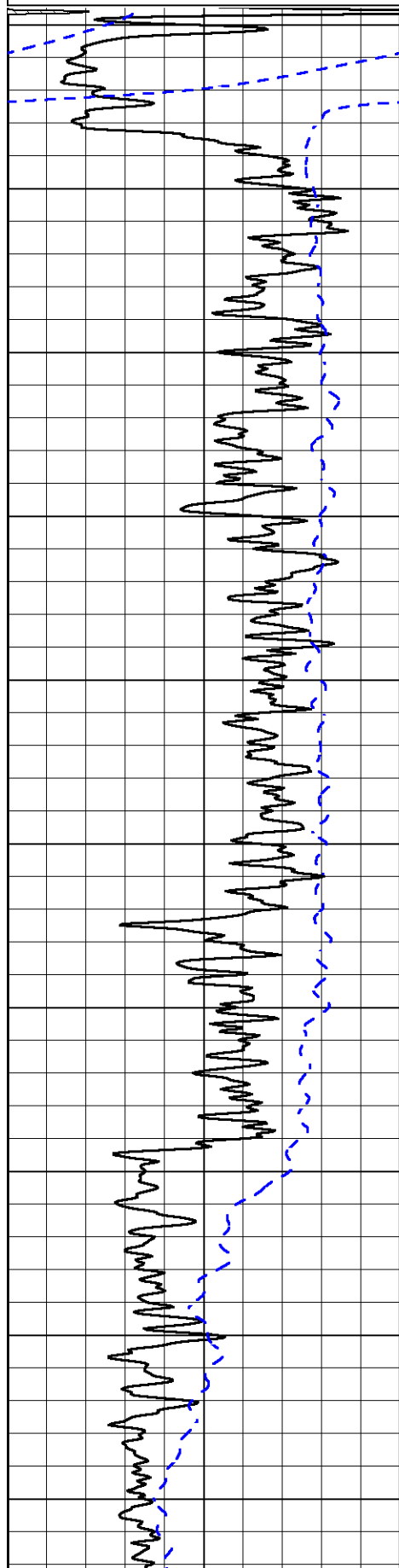
### Comments

Thank you for using Pioneer Energy Services  
785.625.3858

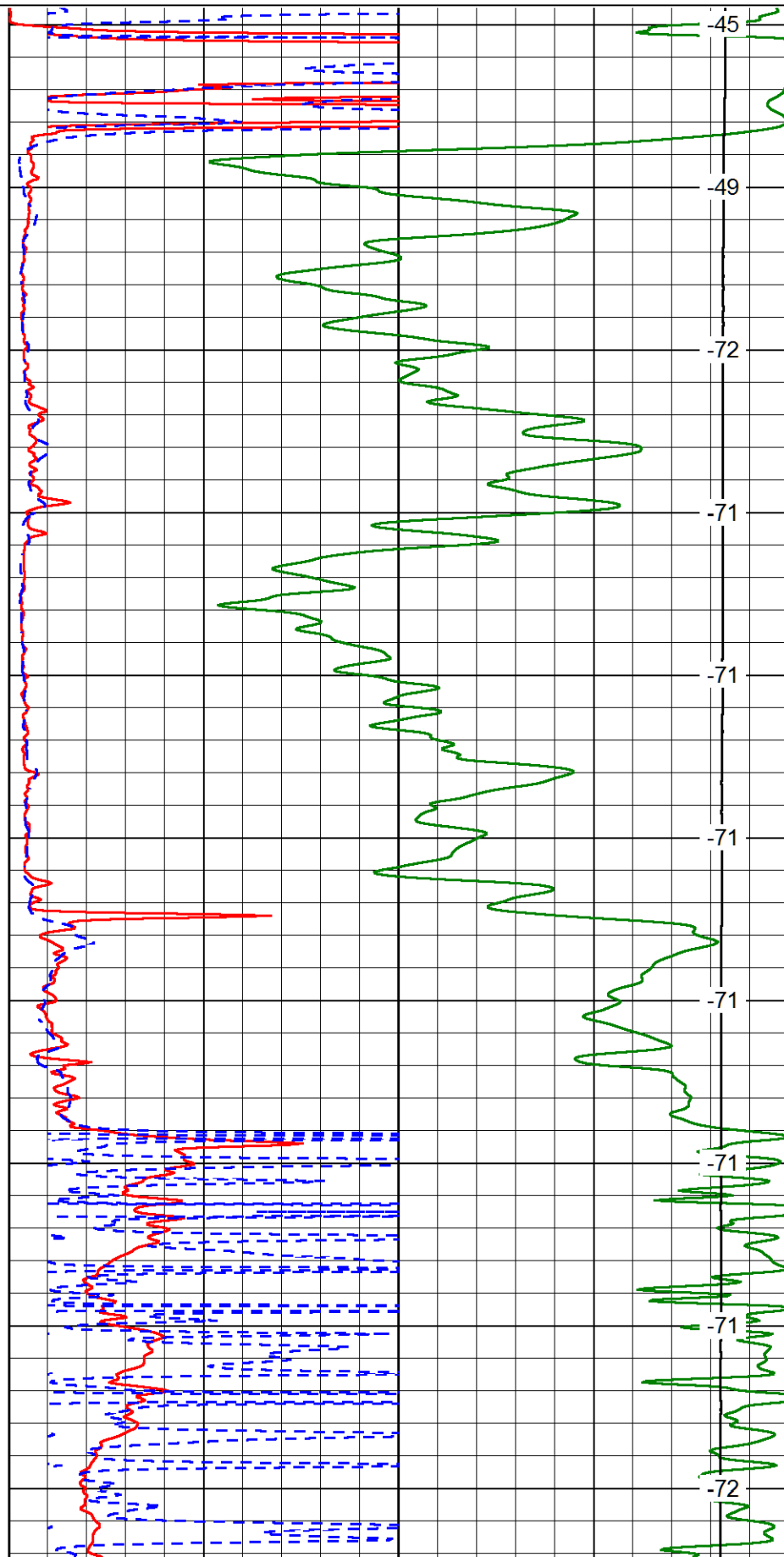
PLAINVILLE KS SOUTH TO CC RD,1 EAST TO 19 RD,  
1 1/2 SOUTH TO GATE, EAST AND SOUTH INTO

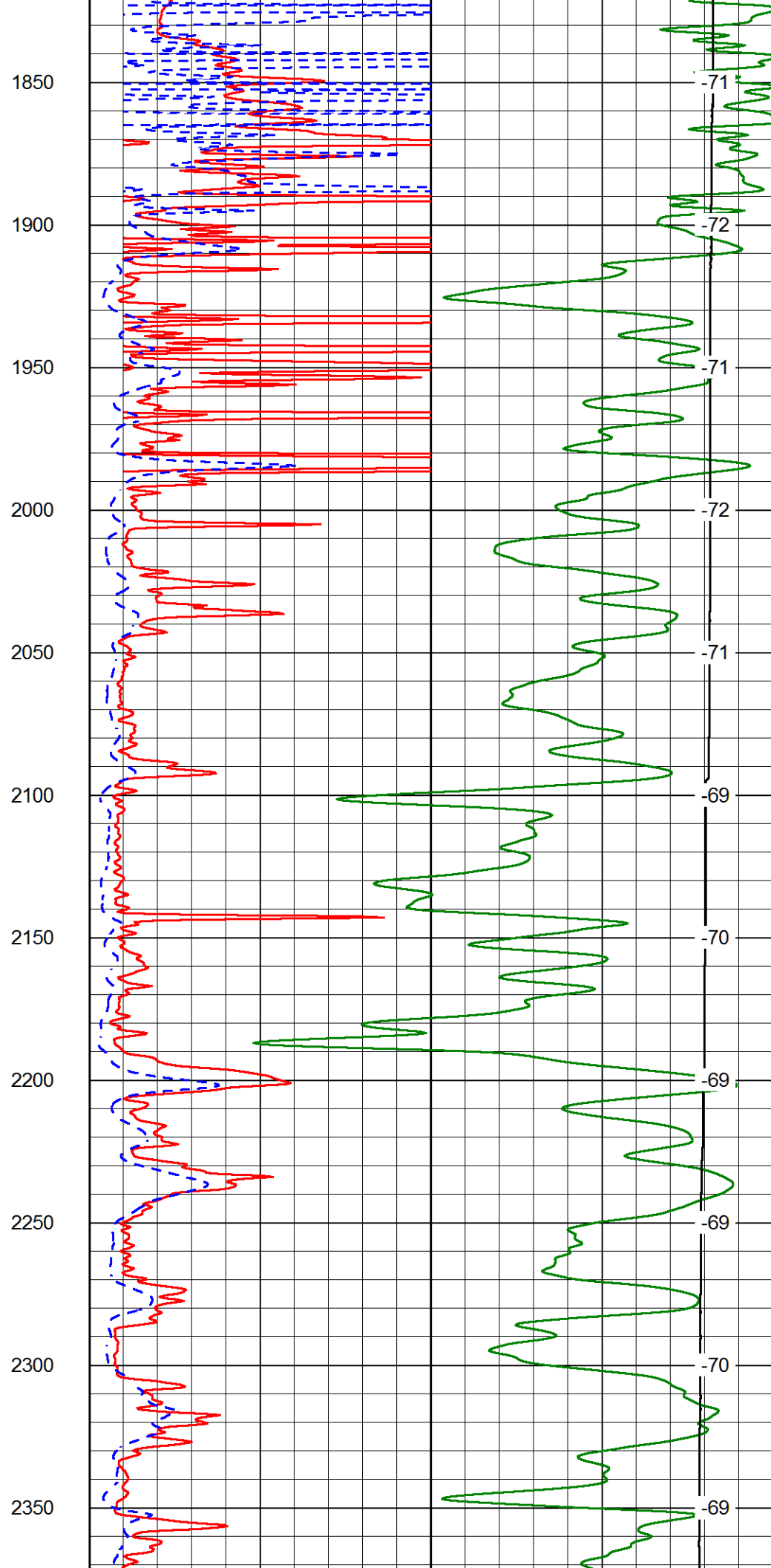
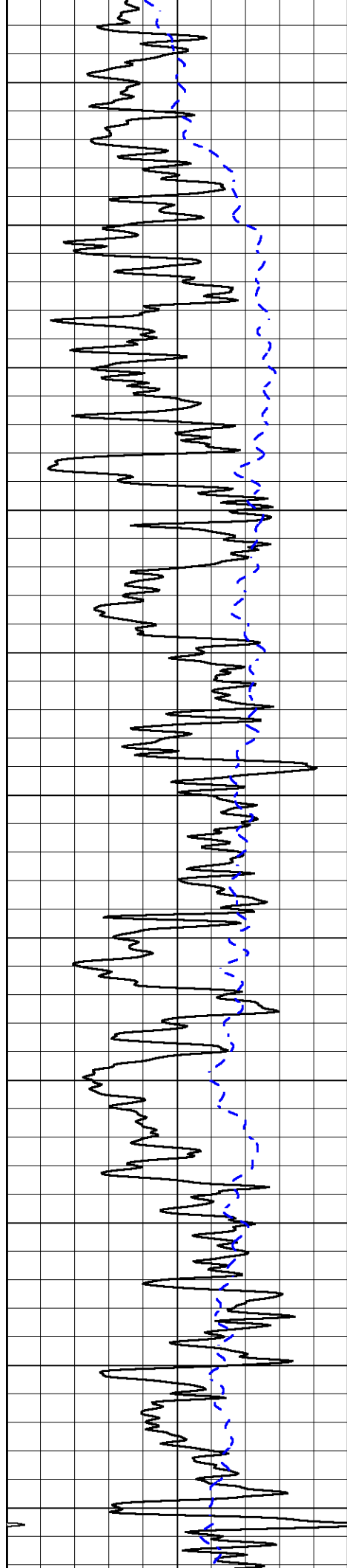
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Dataset Pathname DIL/venstk  
Presentation Format dil2in  
Dataset Creation Sat May 09 01:25:35 2015  
Charted by Depth in Feet scaled 1:600

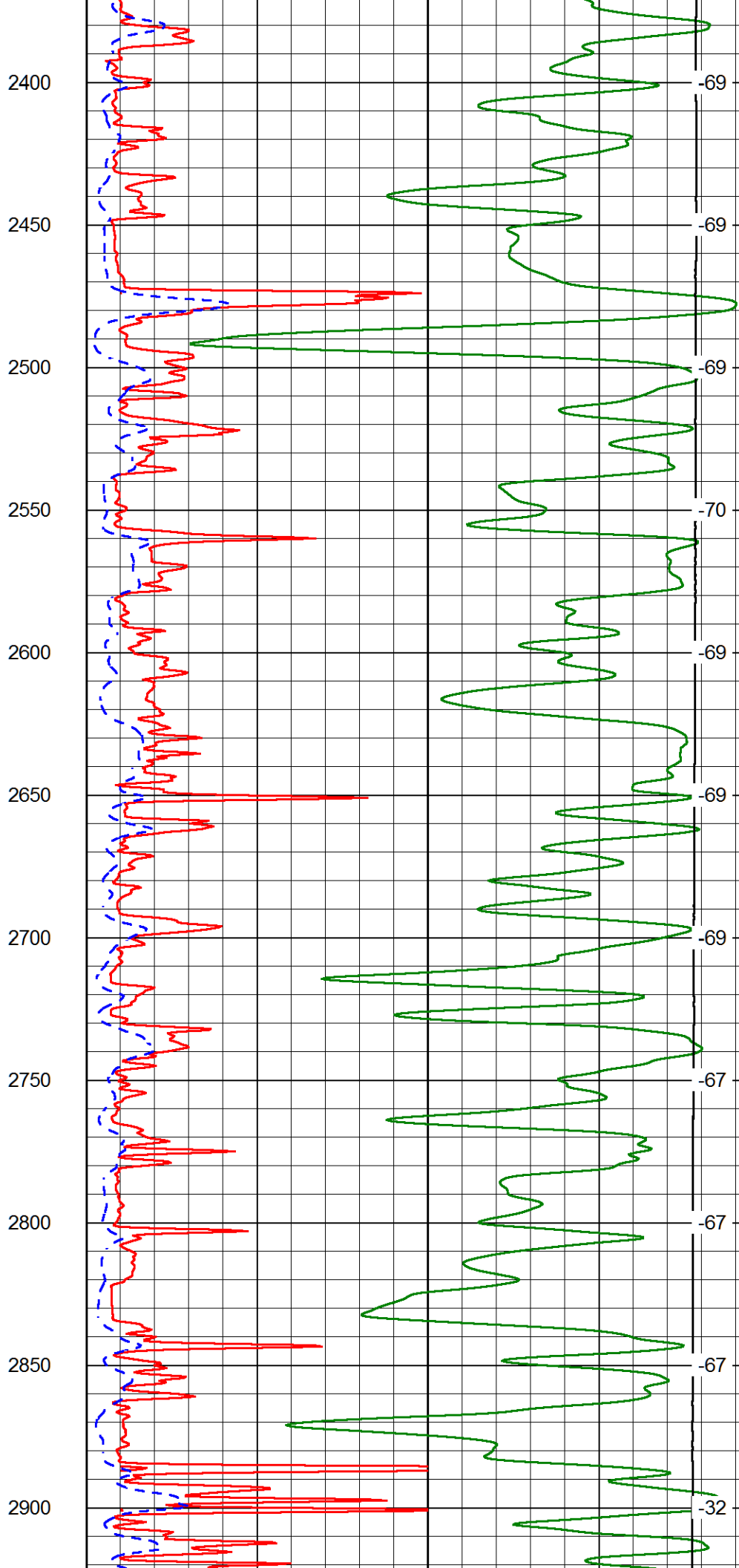
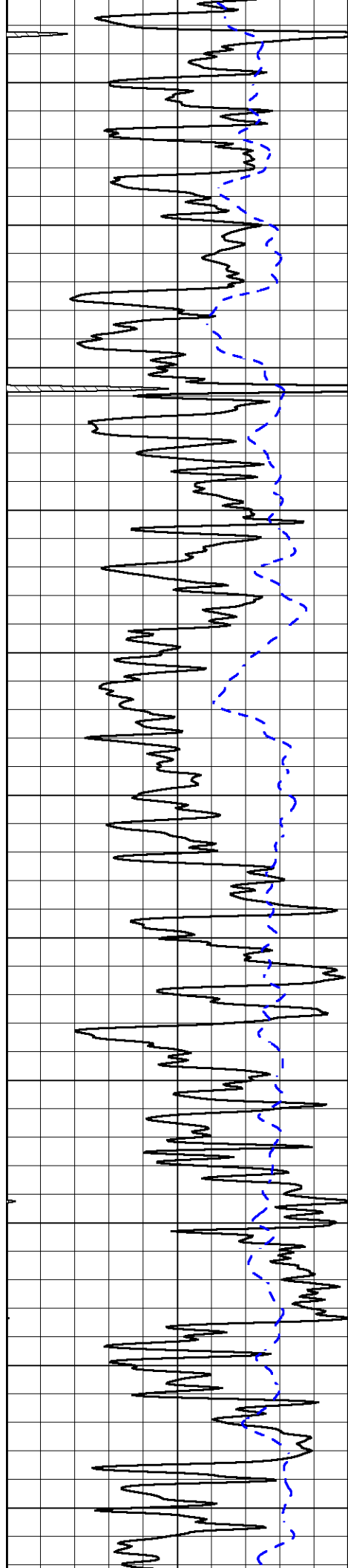
|      |           |     |
|------|-----------|-----|
| 0    | Gamma Ray | 150 |
| -200 | SP (mV)   | 0   |

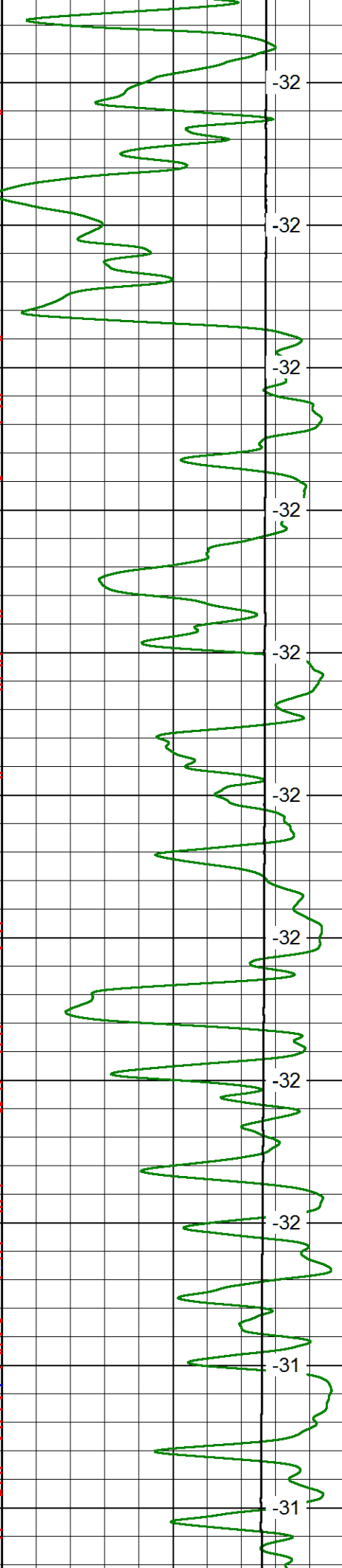
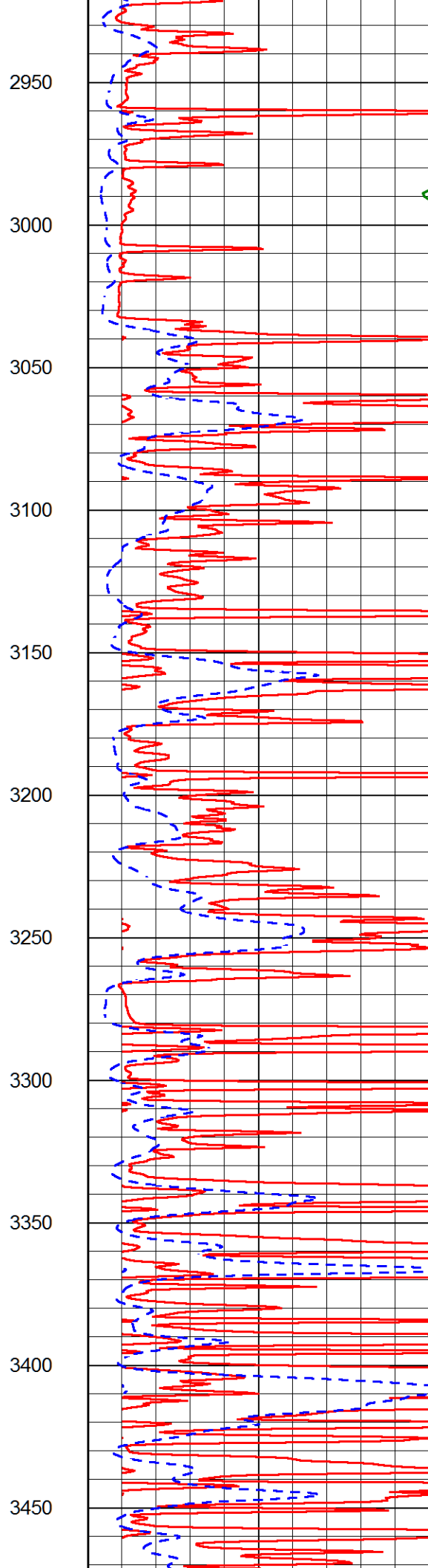
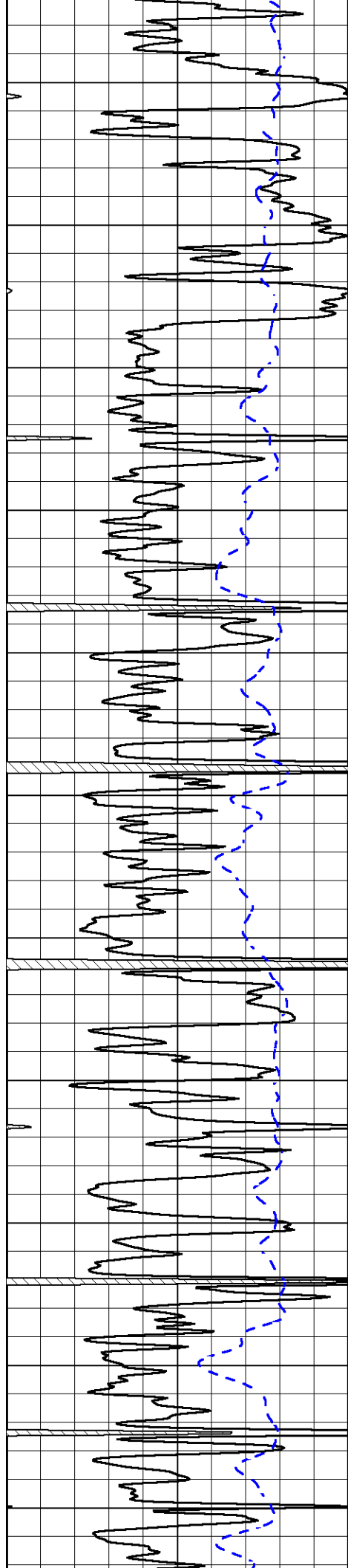


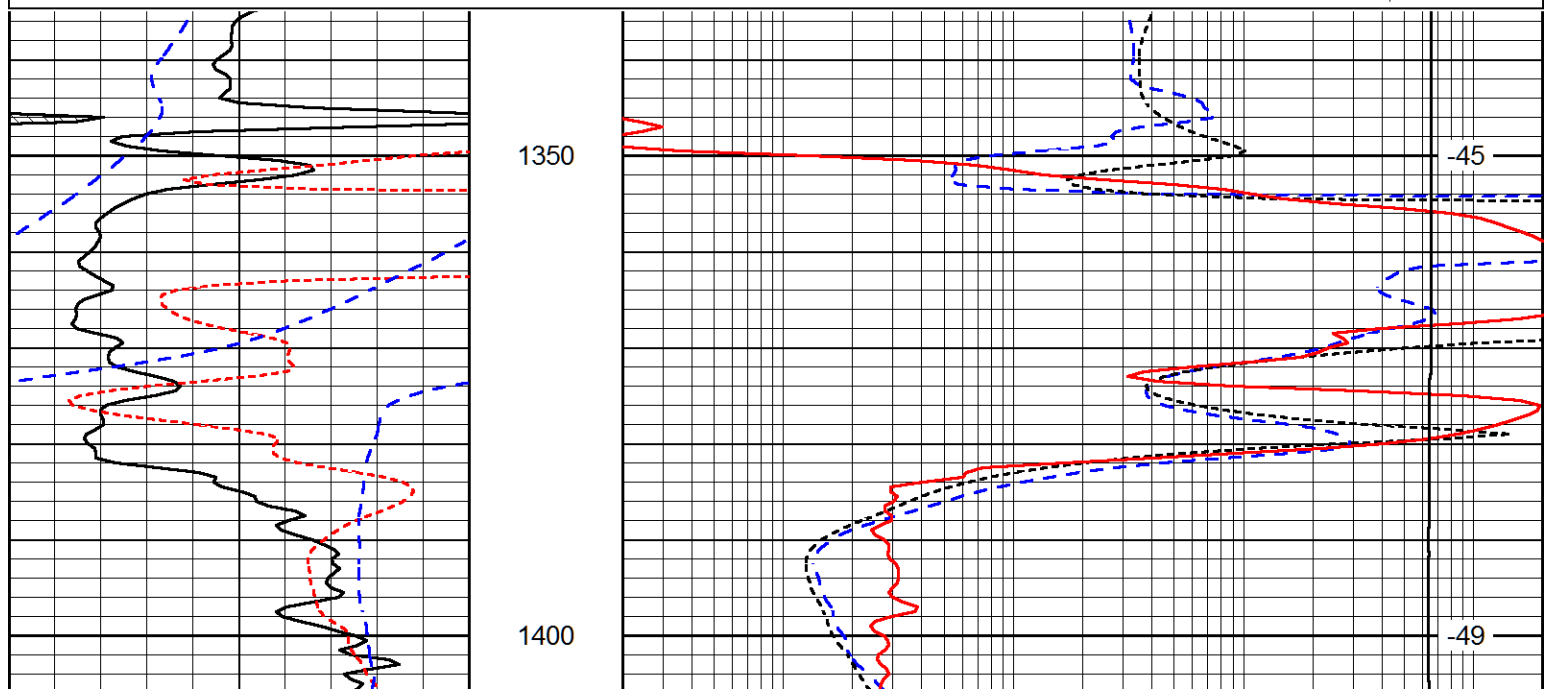
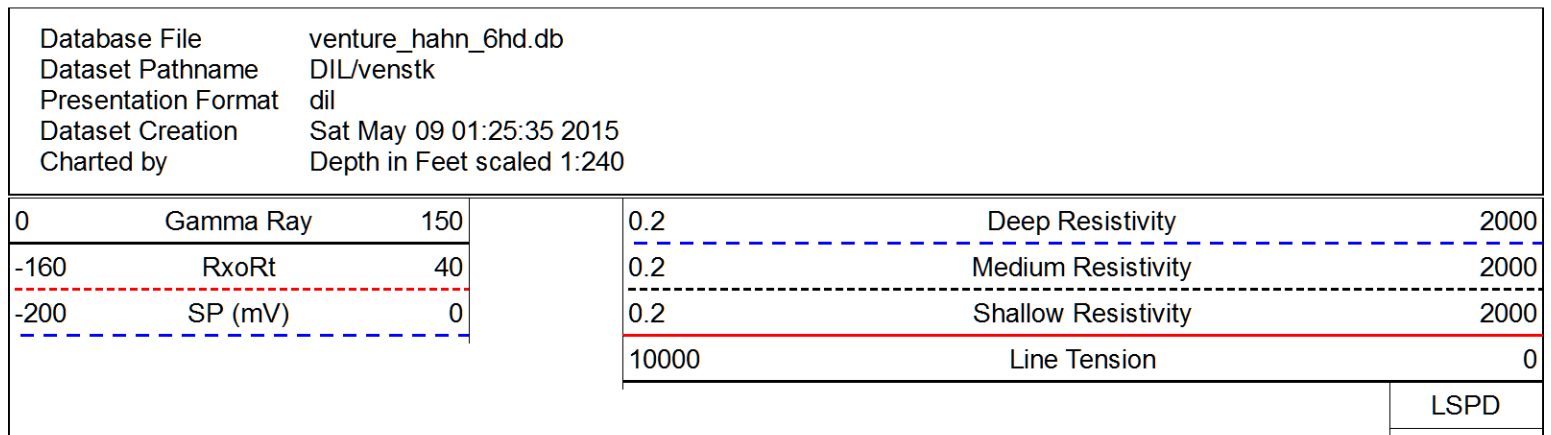
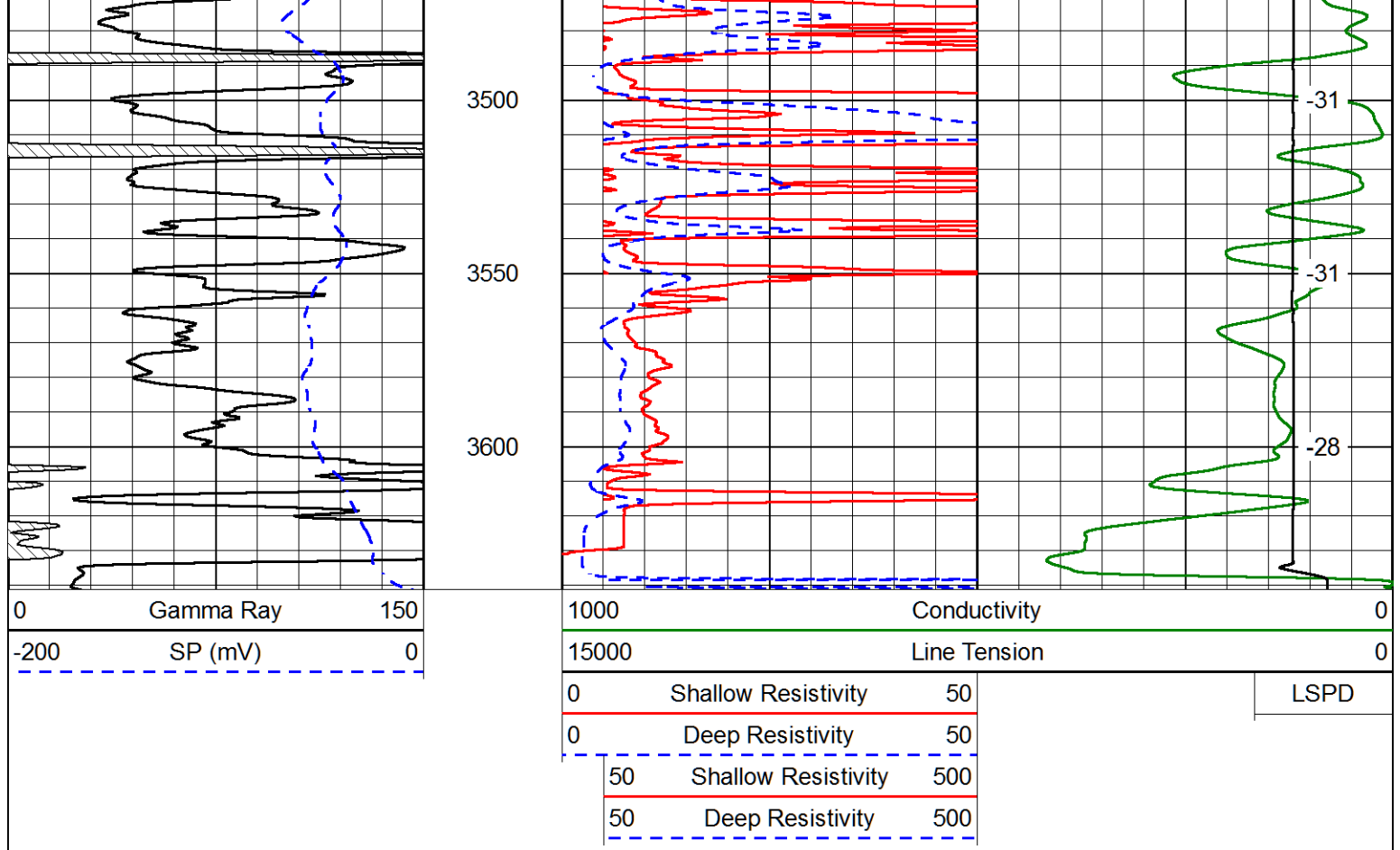
|       |                     |     |
|-------|---------------------|-----|
| 1000  | Conductivity        | 0   |
| 15000 | Line Tension        | 0   |
| 0     | Shallow Resistivity | 50  |
| 0     | Deep Resistivity    | 50  |
| 50    | Shallow Resistivity | 500 |
| 50    | Deep Resistivity    | 500 |

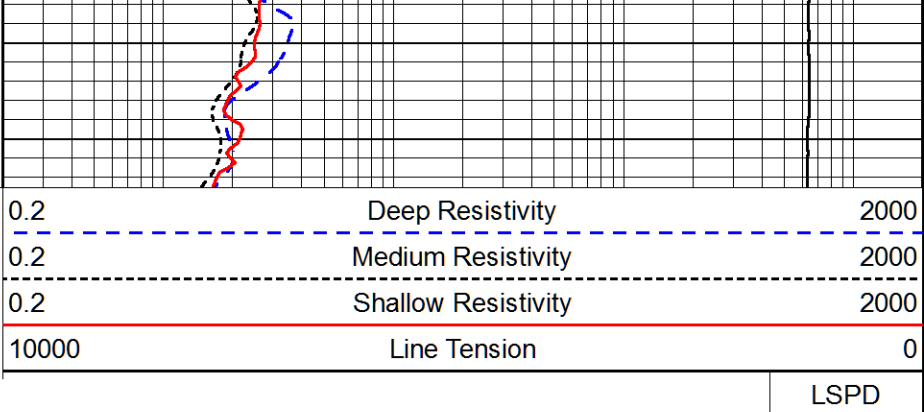
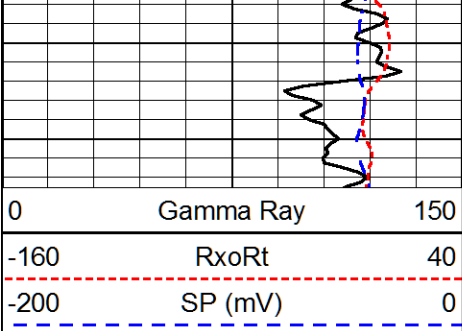




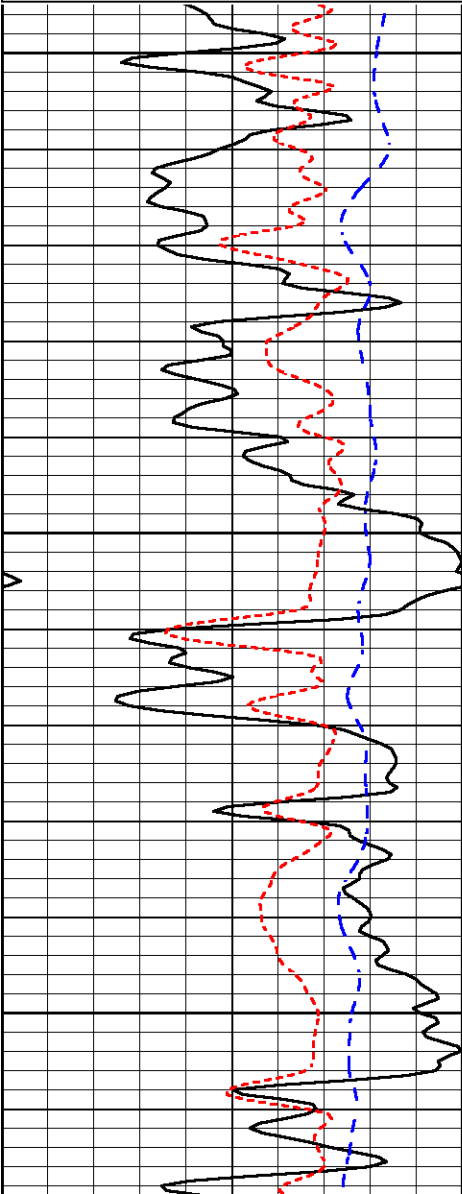
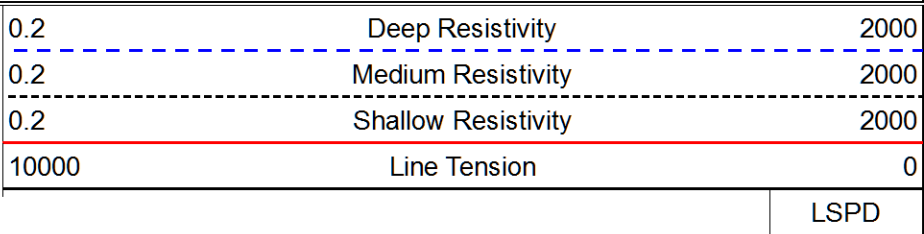
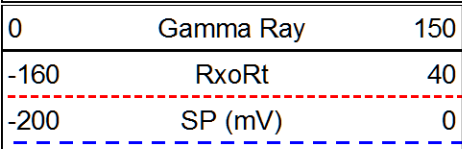








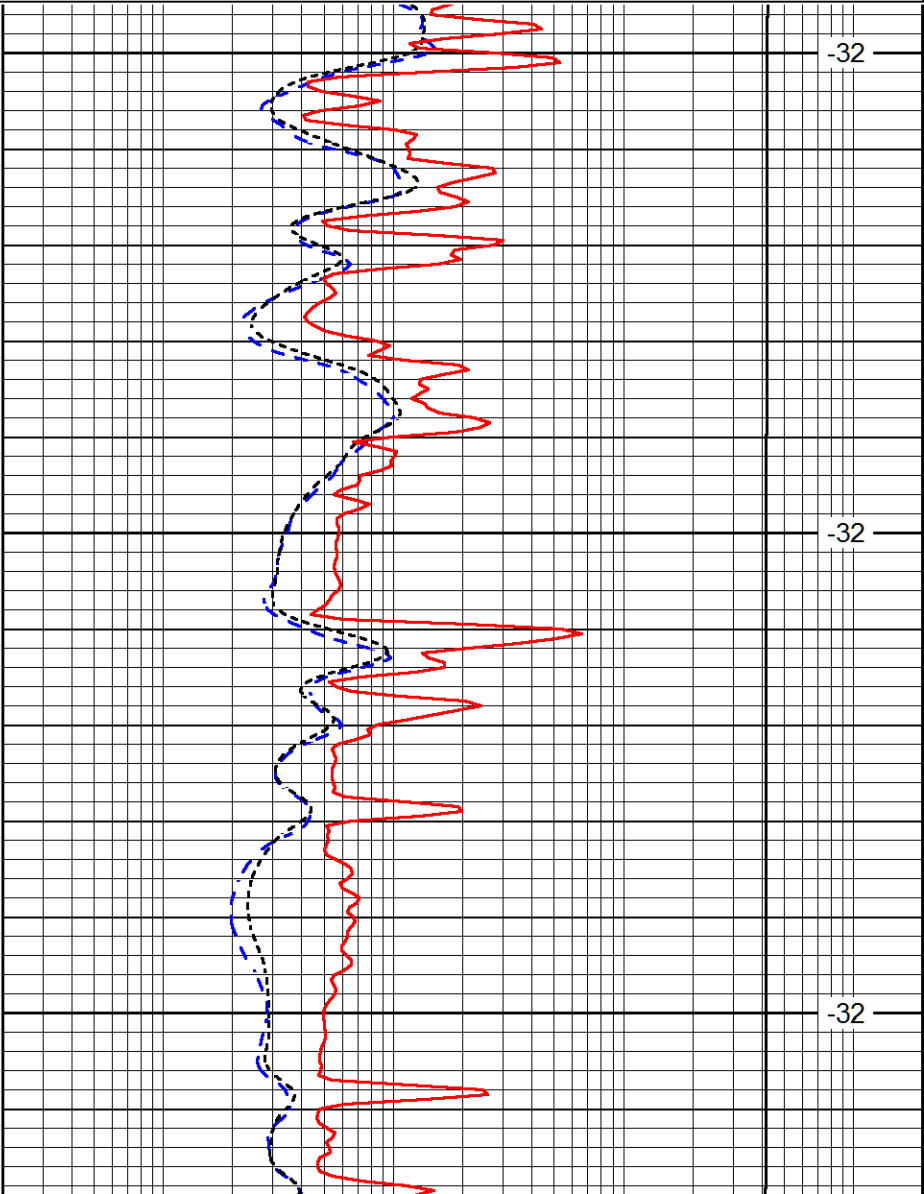
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|---------------------|----------------------------|
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| Dataset Pathname    | DIL/venstk                 |
| Presentation Format | dil                        |
| Dataset Creation    | Sat May 09 01:25:35 2015   |
| Charted by          | Depth in Feet scaled 1:240 |



2900

2950

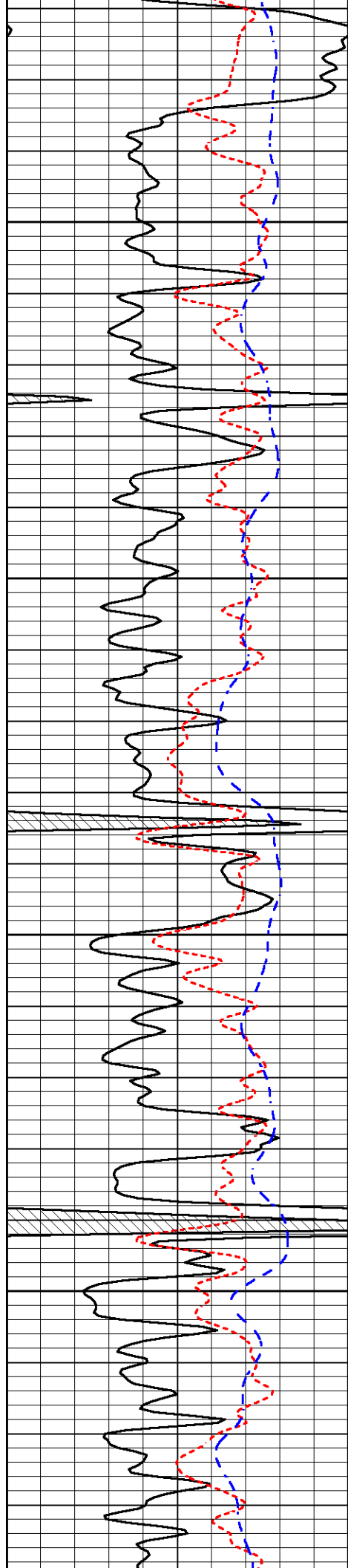
3000



-32

-32

-32

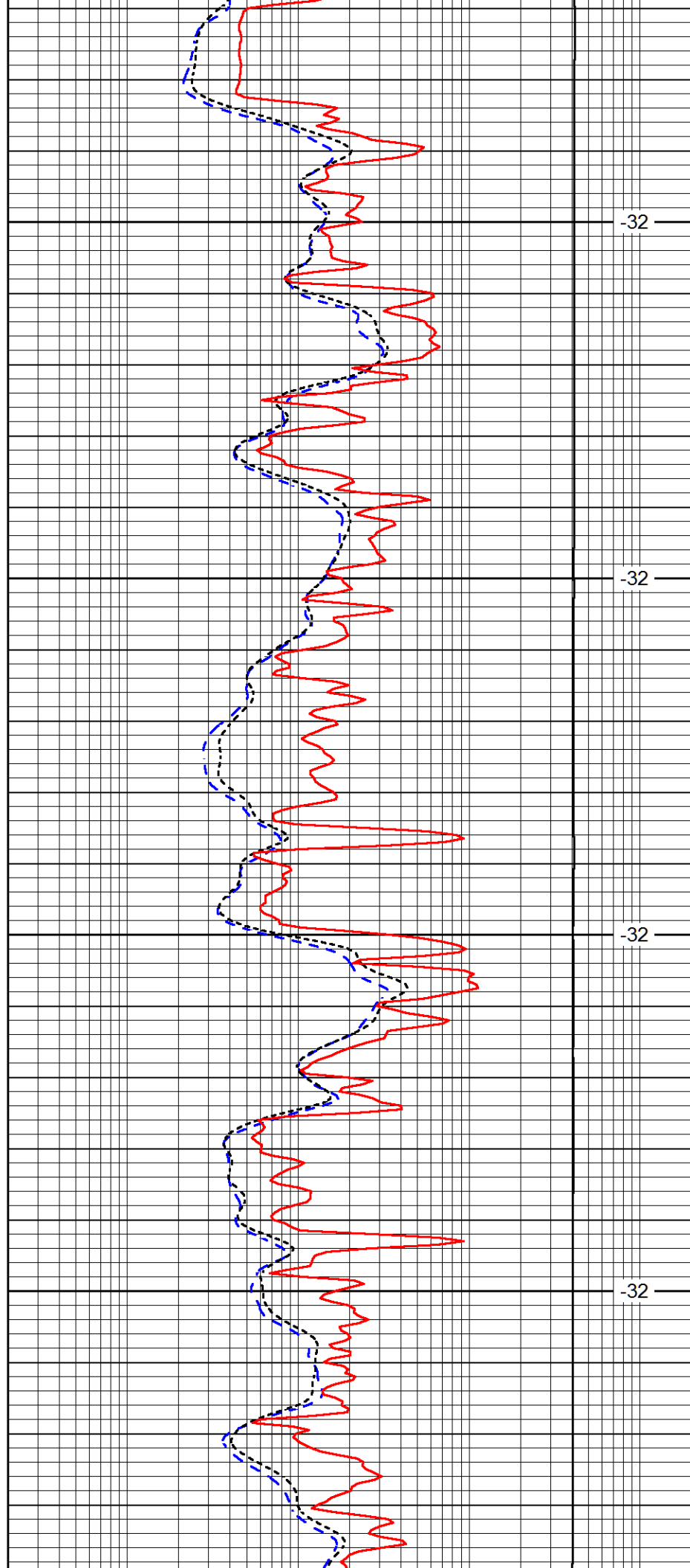


3050

3100

3150

3200

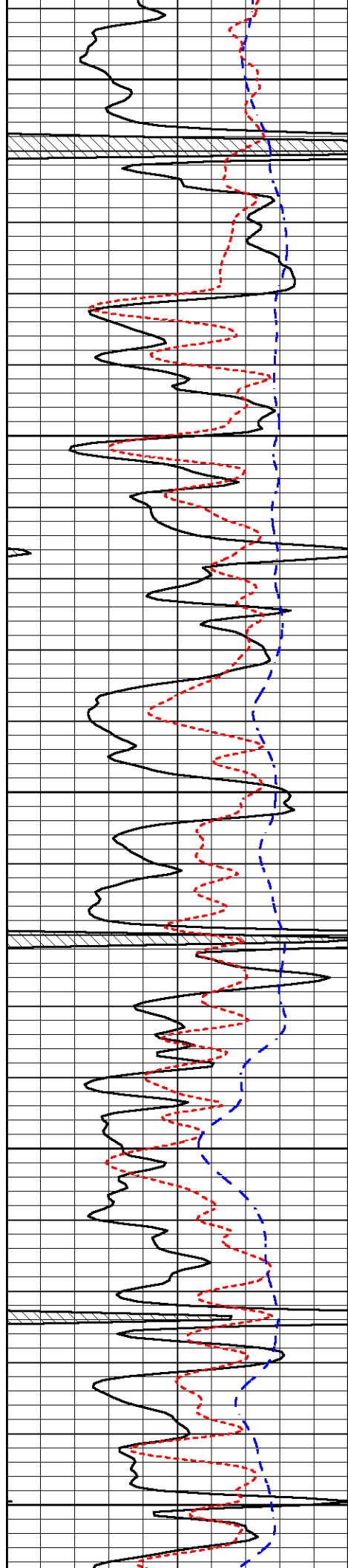


-32

-32

-32

-32



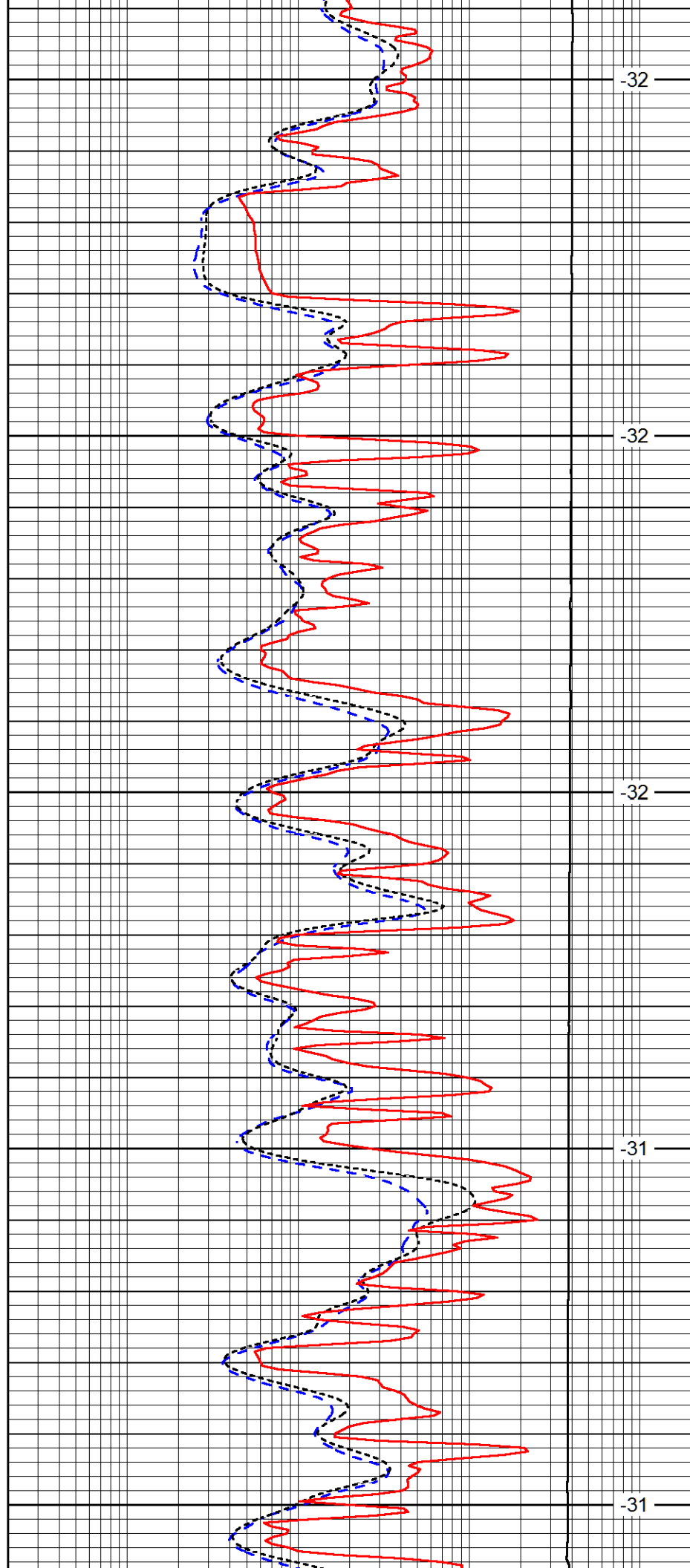
3250

3300

3350

3400

3450



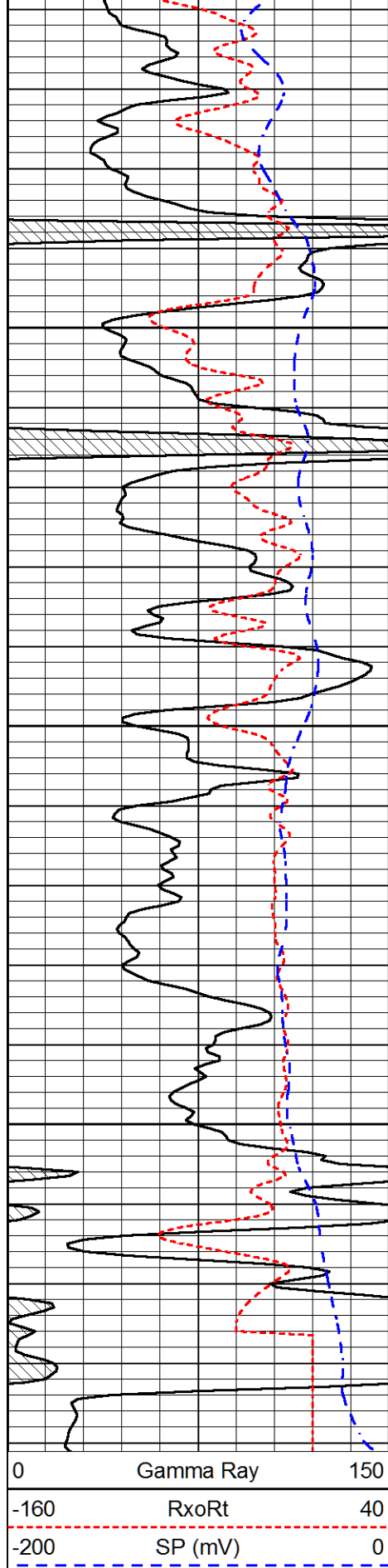
-32

-32

-32

-31

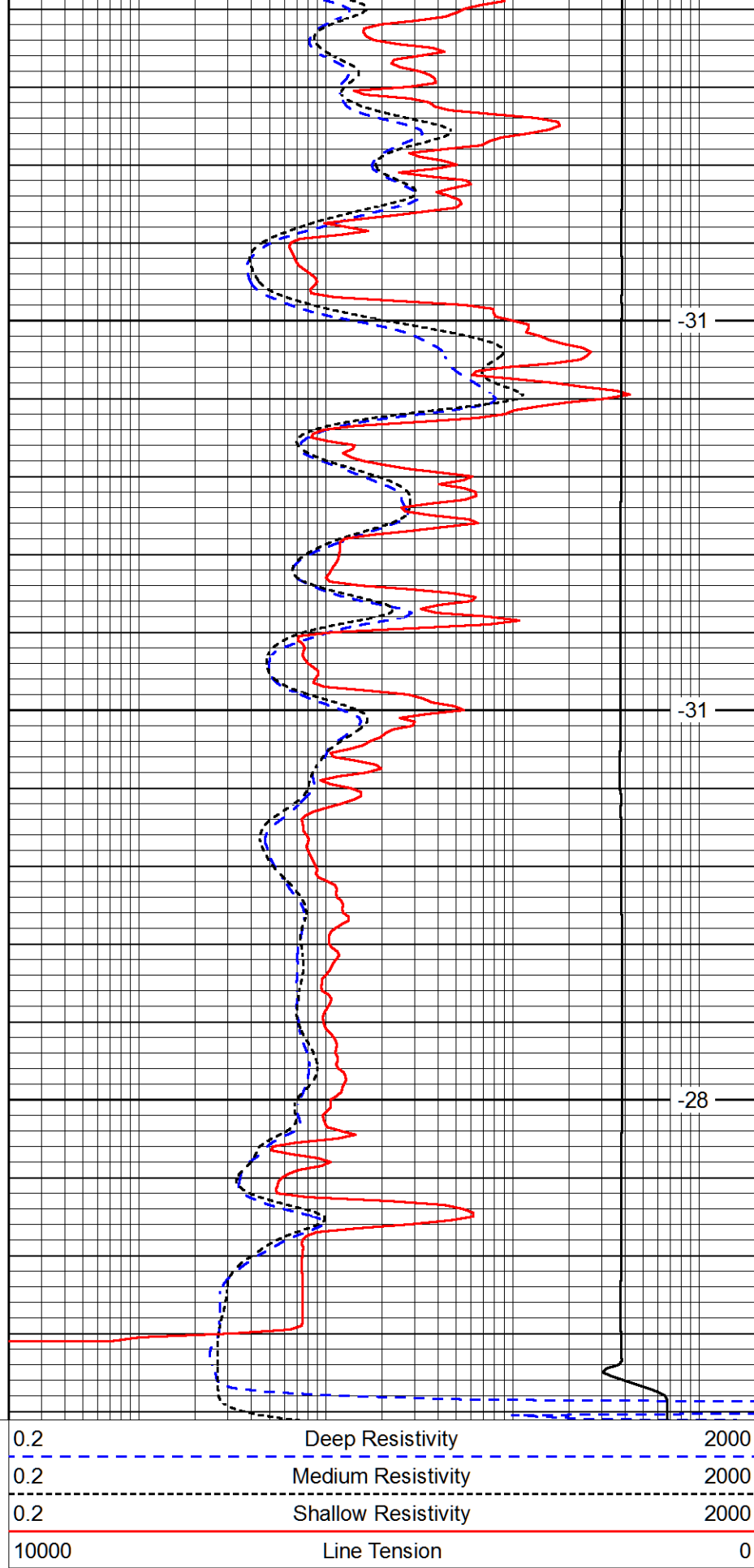
-31



3500

3550

3600



-31

-31

-28

LSPD