



## Borehole Compensated Sonic Log

# DIGITAL LOG

**(785) 625-3858**

API No.

Company Ares Energy, LTD

Well Wells #13-13

Elmore Southwest Field

County **Ness** State **Kansas**

Location

NW SW SE SW

405 FSL / 1393 F-WL

405' FSL / 1393' FWL

Sec: 13      Twp: 18S      Rge: 21

Elevation

|      |               |                          |
|------|---------------|--------------------------|
| From | Ground Level  | Elevation 2107           |
| From | Kelly Bushing | 13 Ft. Above Perm. Datum |

K.B. 2120  
D.F.

---

red from Kelly Bushing

|  |           |
|--|-----------|
|  | 6/11/2011 |
|--|-----------|

|  |           |
|--|-----------|
|  |           |
|  | BHC Sonic |

|  |      |
|--|------|
|  | 1000 |
|  | 4378 |

|          |      |
|----------|------|
| Interval | 1300 |
|----------|------|

|       |      |
|-------|------|
| PM CL | 5500 |
|-------|------|

Full

| Time | 5 Hours |
|------|---------|
|------|---------|

|  |             |
|--|-------------|
|  | R. Barnhart |
|--|-------------|

Justin Carter

| Borehole Record |
|-----------------|
|-----------------|

|      |    |
|------|----|
| From | 10 |
|------|----|

|    |      |
|----|------|
| 00 | 1330 |
|----|------|

|      |    |
|------|----|
| 1330 | 1D |
|------|----|

|  |  |
|--|--|
|  |  |
|  |  |

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|  |  |
|  |  |

[illegible]

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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.

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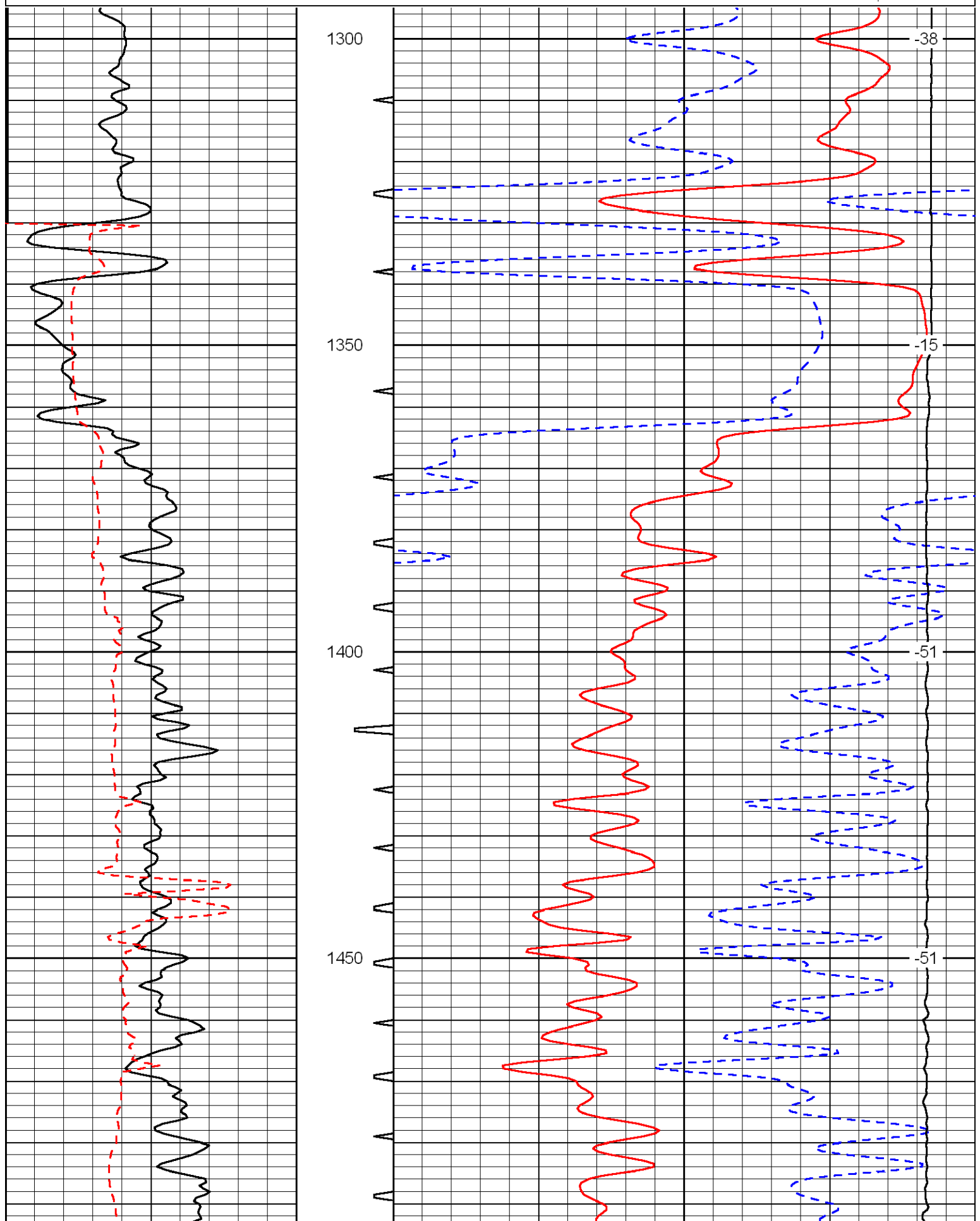
Comments

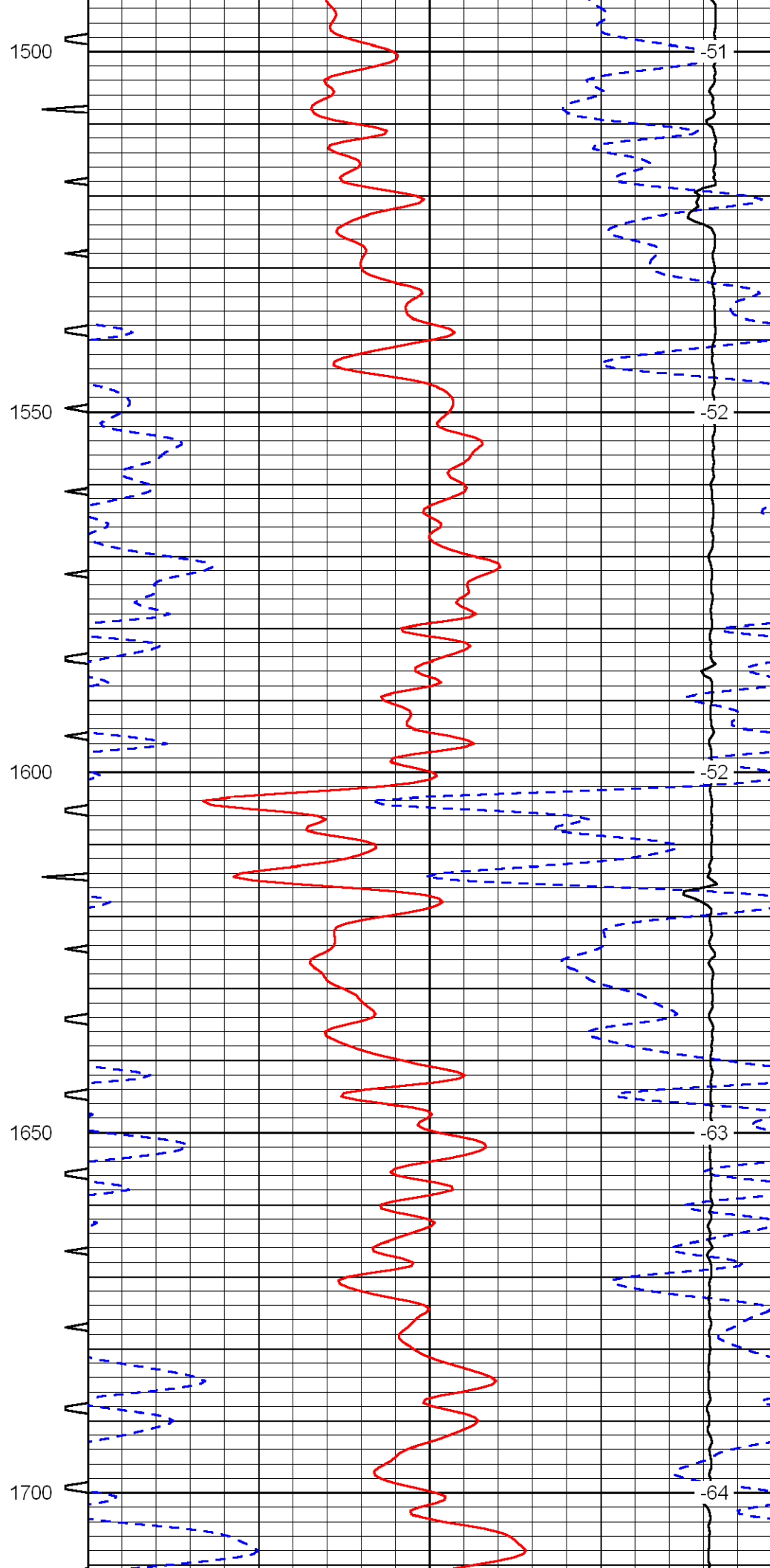
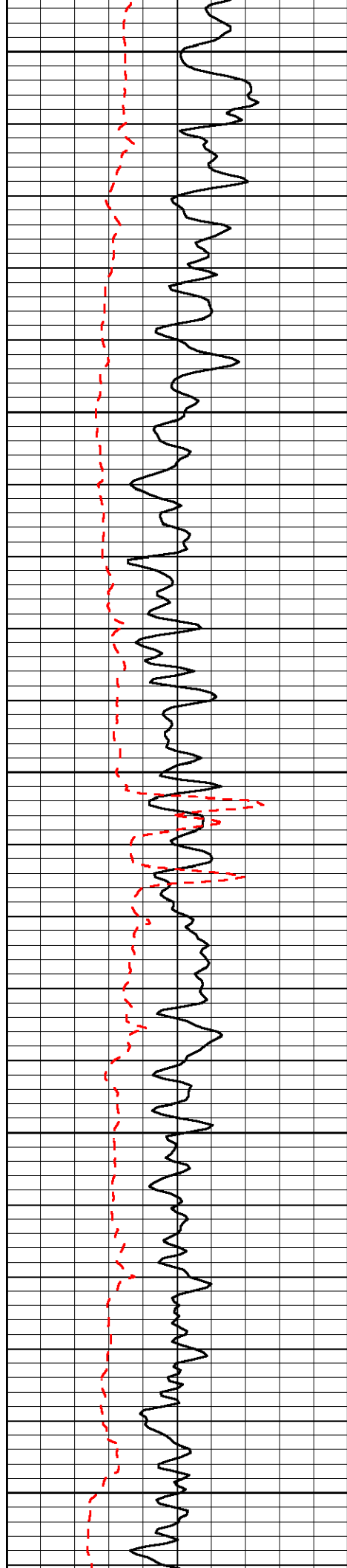
Thank you for using Log-Tech, Inc.  
(785) 625-3858

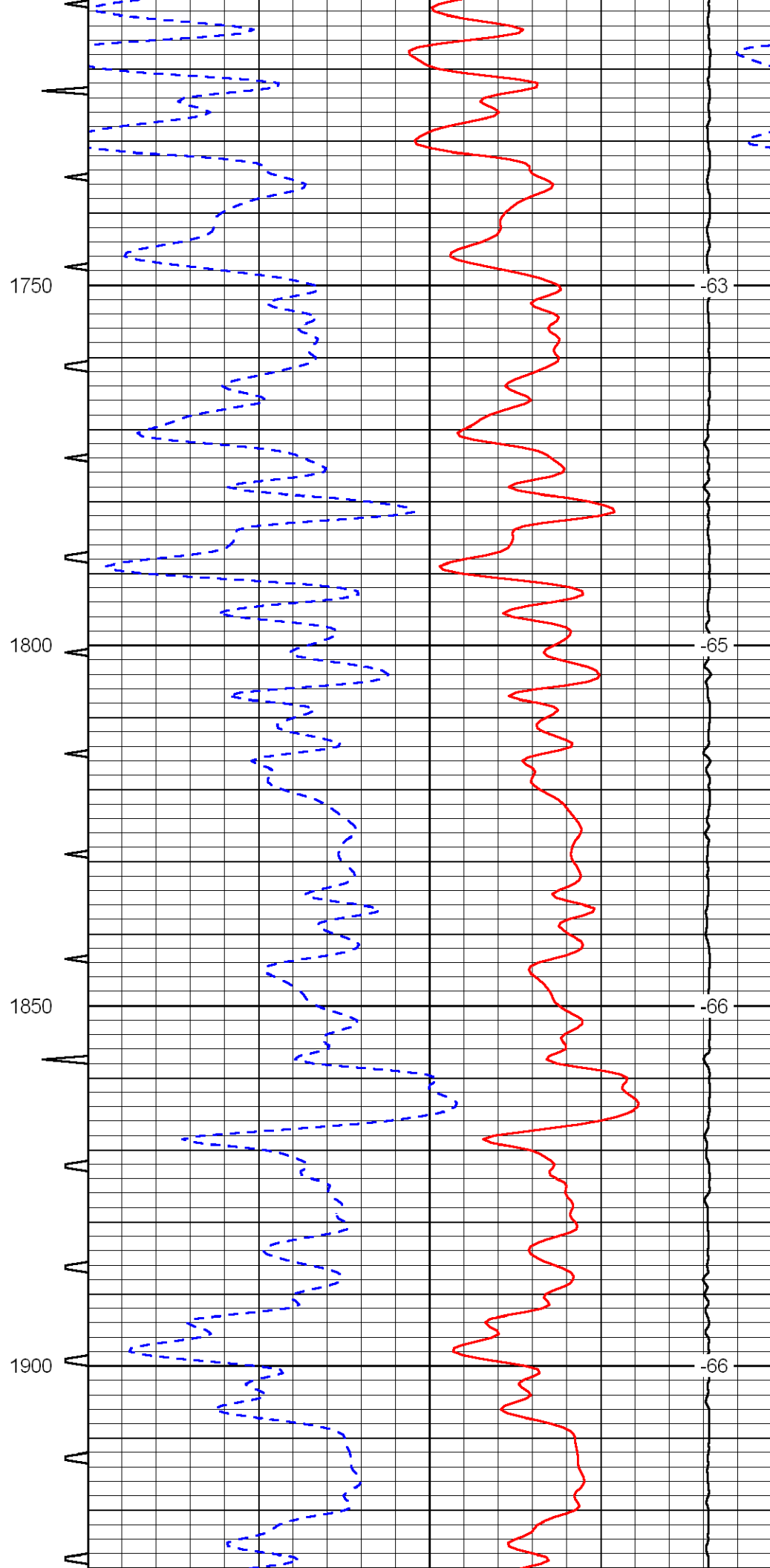
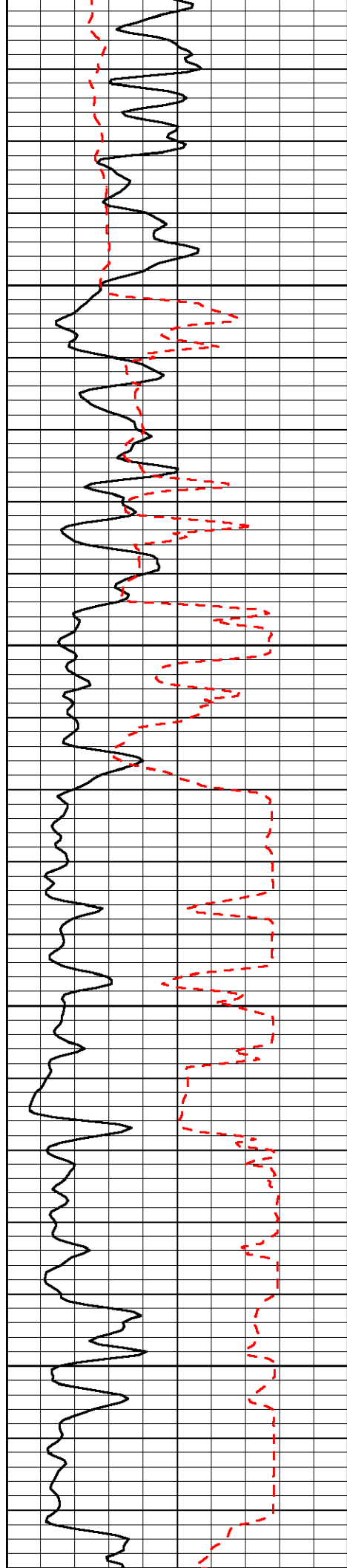
Alexander, KS:  
McCracken Rd., 1N, 2W, N into

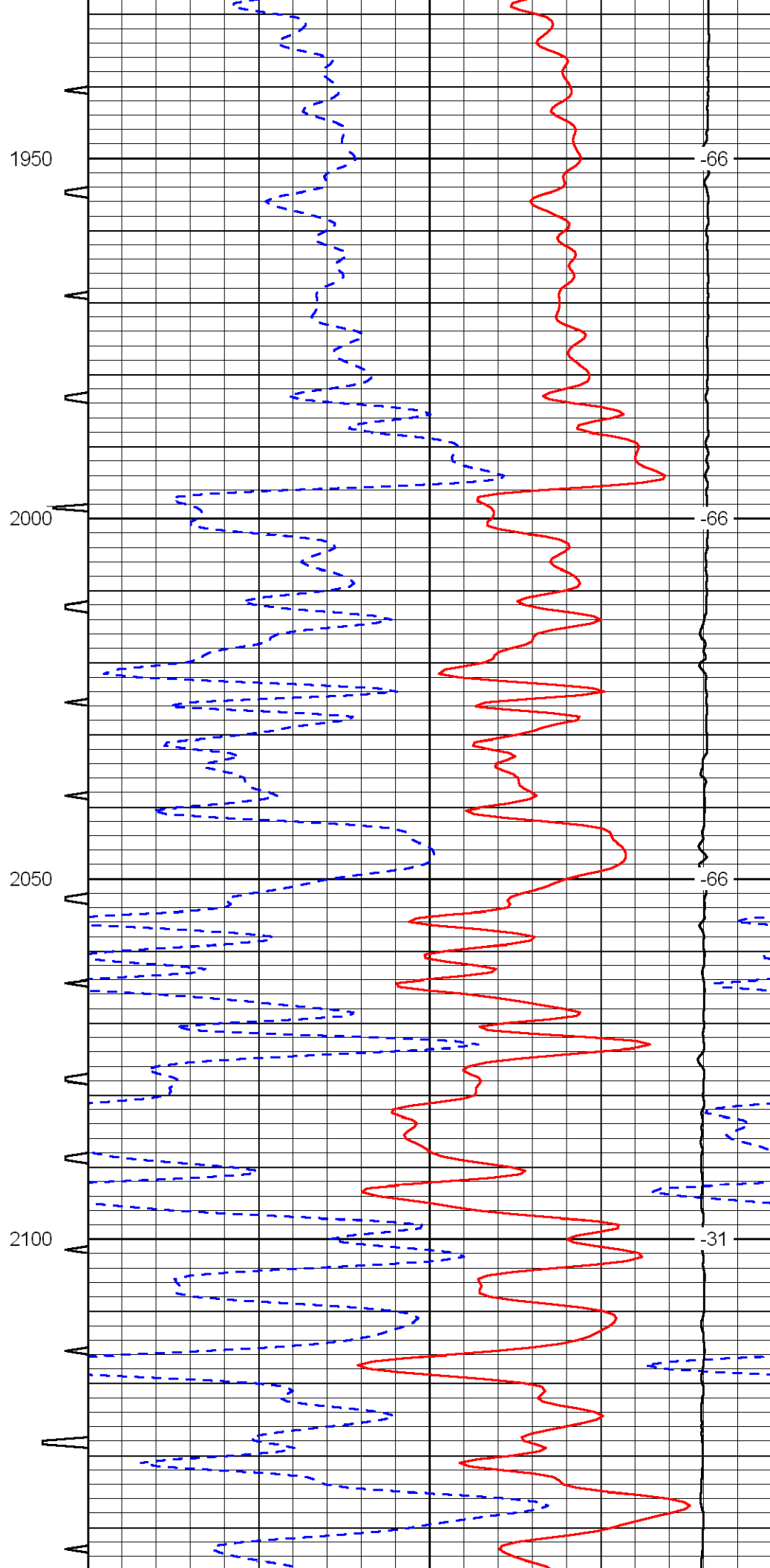
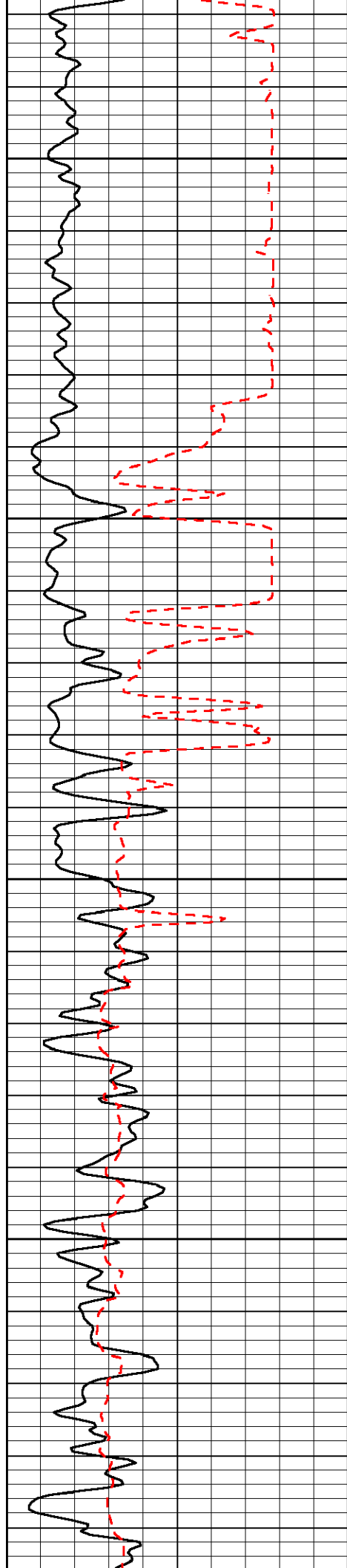
Database File: areshd.db  
Dataset Pathname: dil/aremain  
Presentation Format: sonic  
Dataset Creation: Sat Jun 11 04:58:41 2011  
Charted by: Depth in Feet scaled 1:240

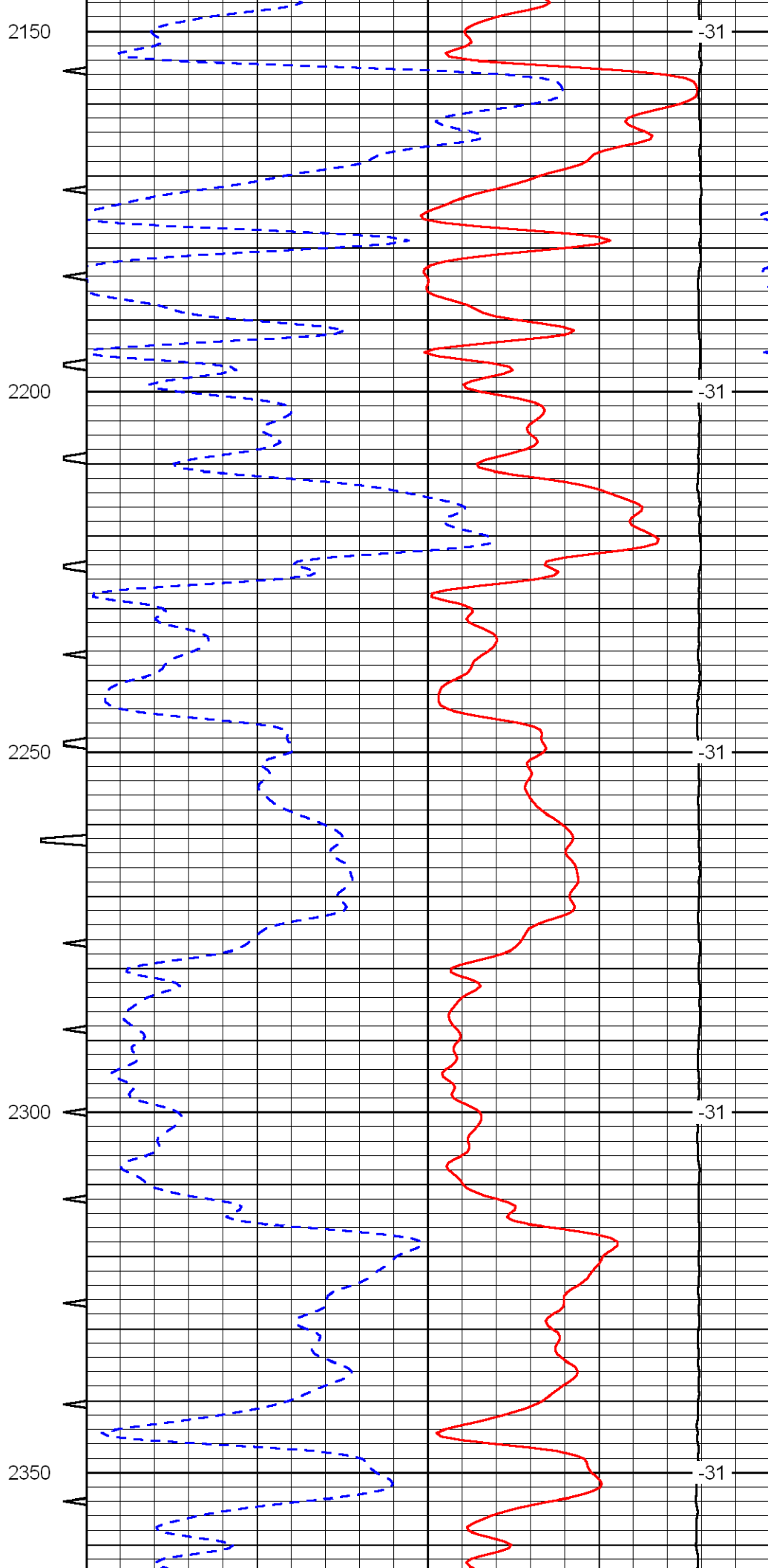
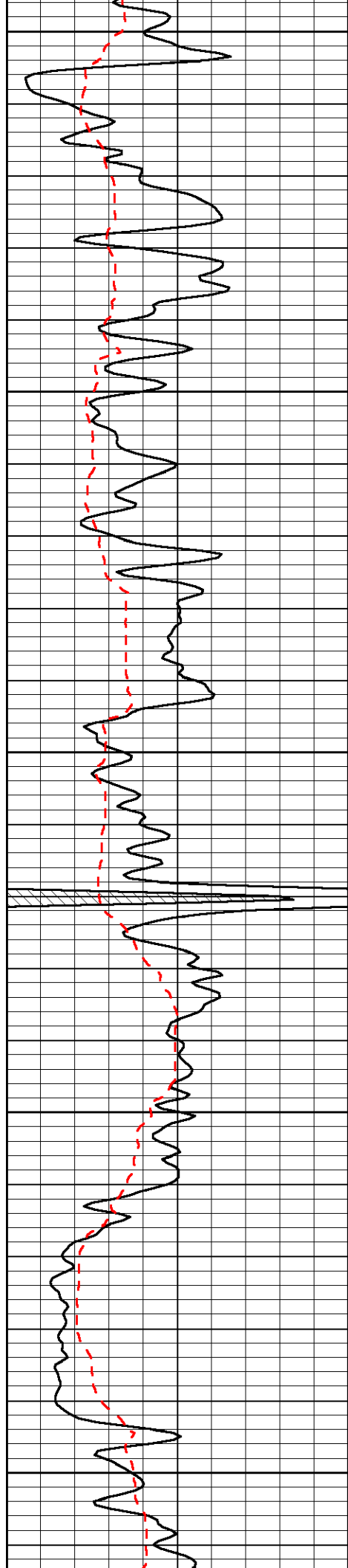
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|-----|-------------|-----|-----------|-------|----------------------|------|
| 0   | Gamma Ray   | 150 | Sonic Int | 140   | Delta Time (usec/ft) | 40   |
| 150 | Gamma Ray   | 300 | 5         | 0     | Sonic Porosity       | -10  |
| 6   | dCAL (GAPI) | 16  |           | 30    | LTEN (lb)            | 0    |
|     |             |     |           | 15000 |                      |      |
|     |             |     |           |       |                      | LSPD |

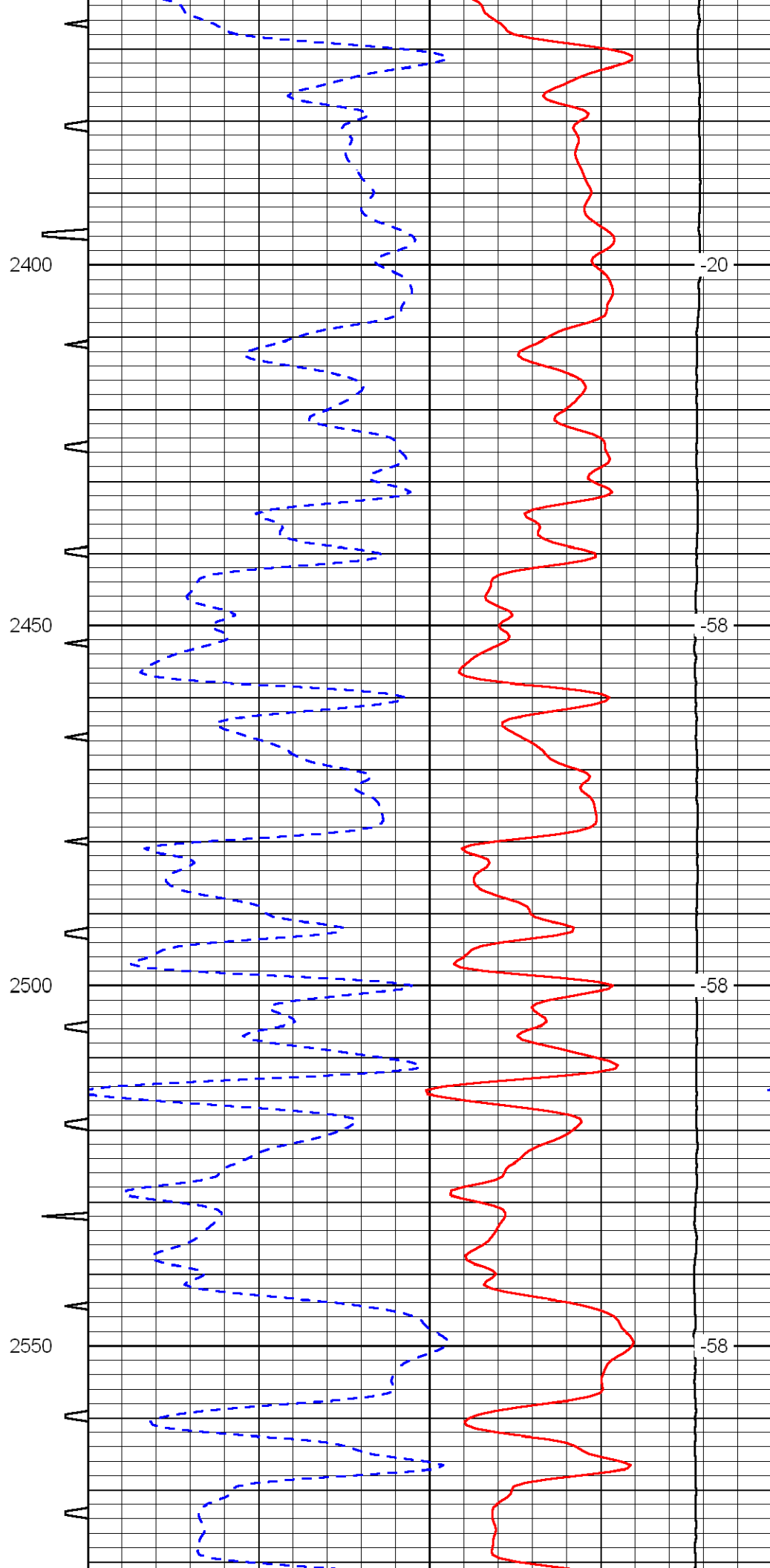
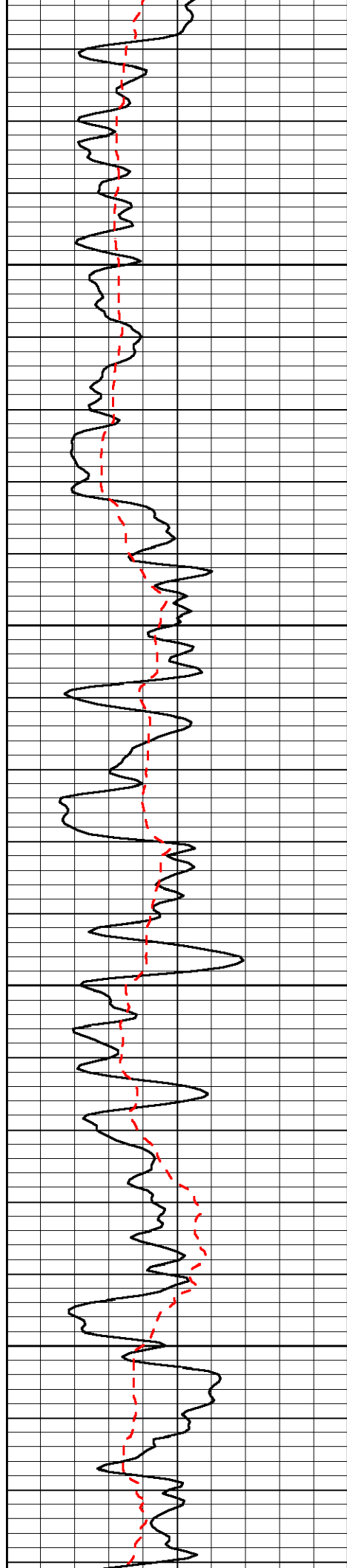


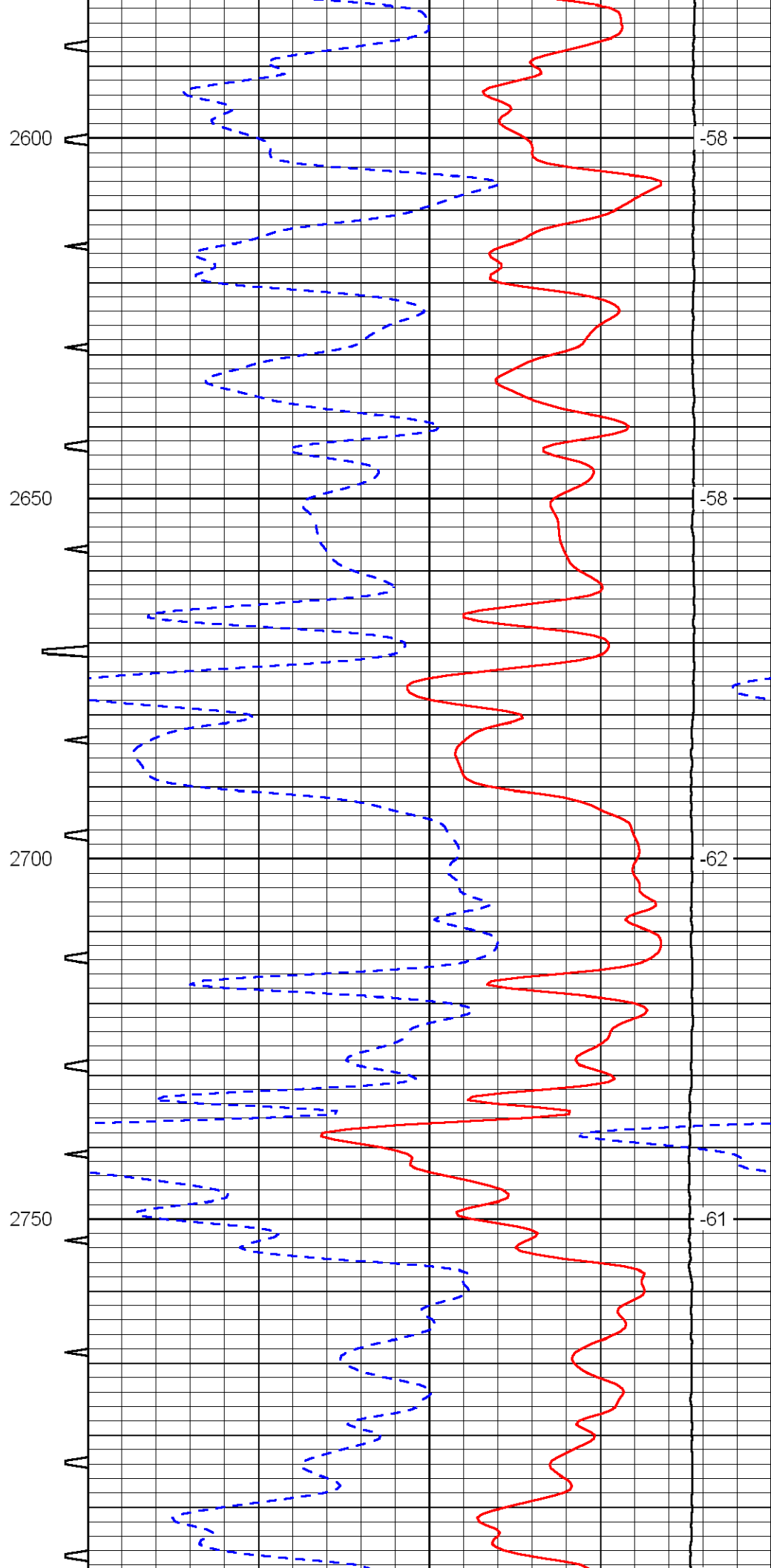
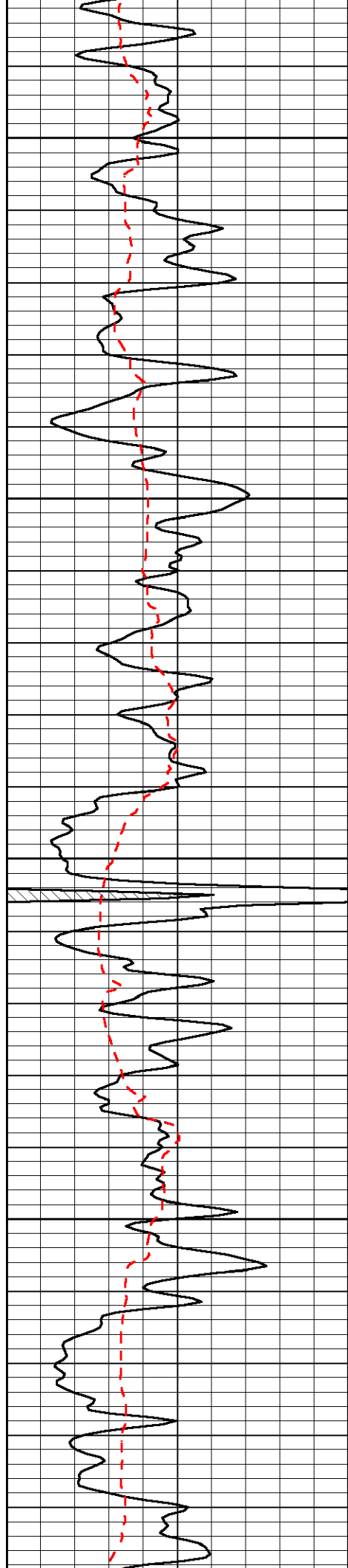


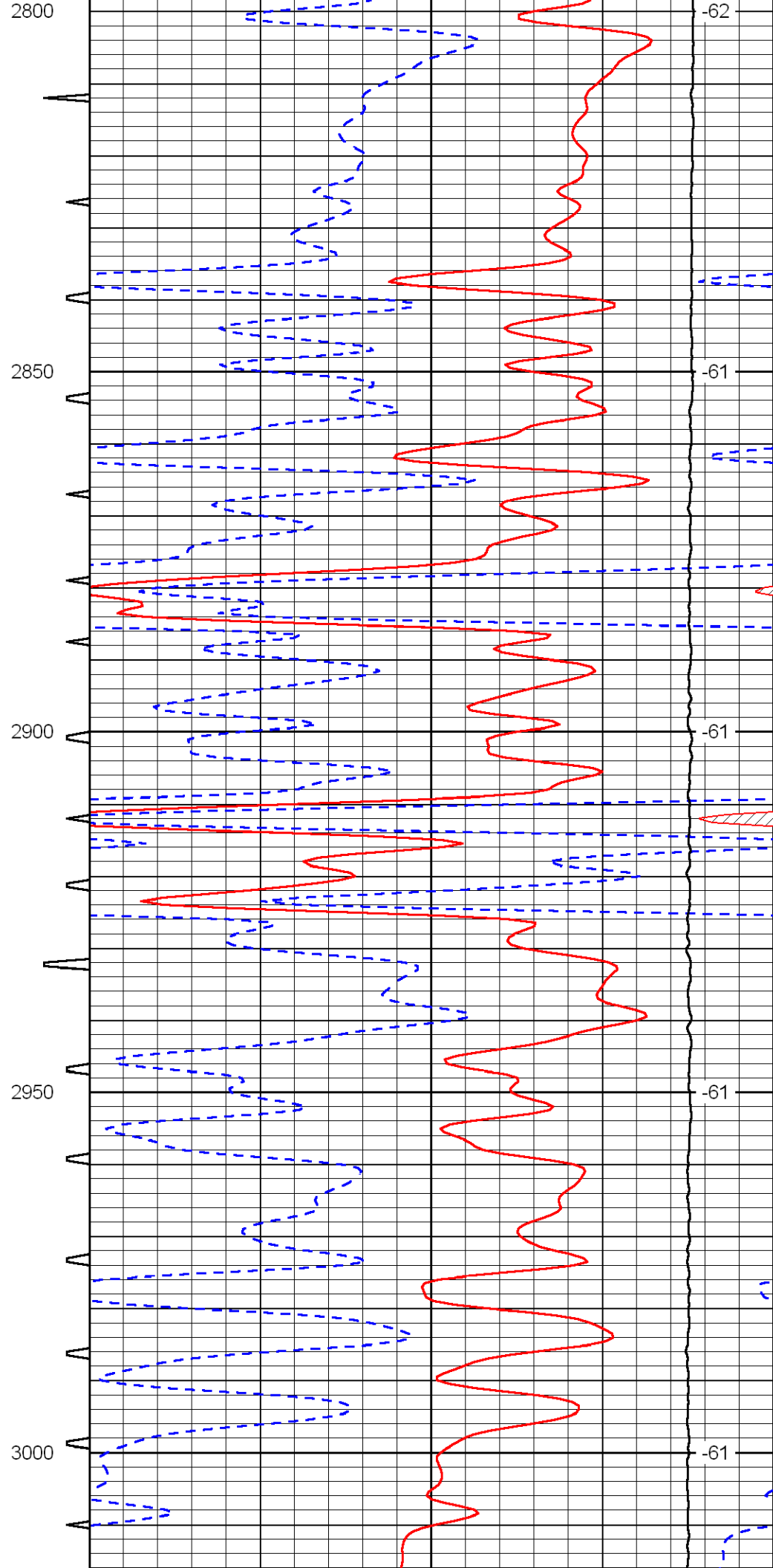
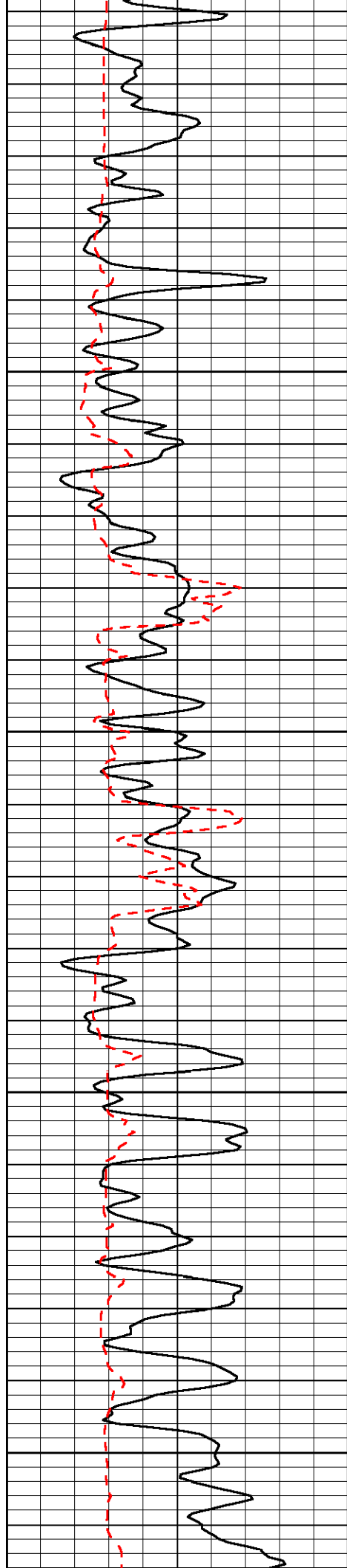


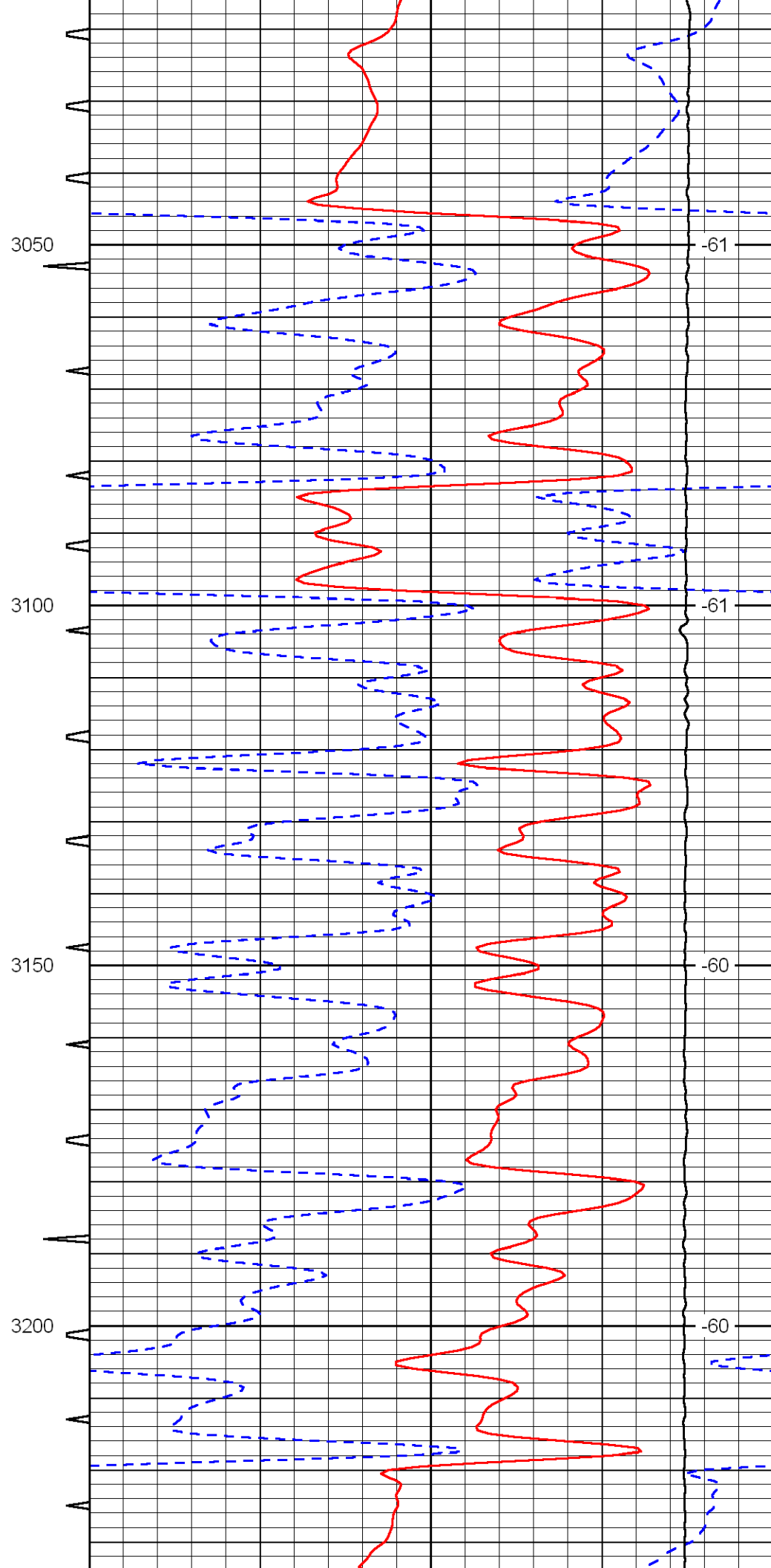
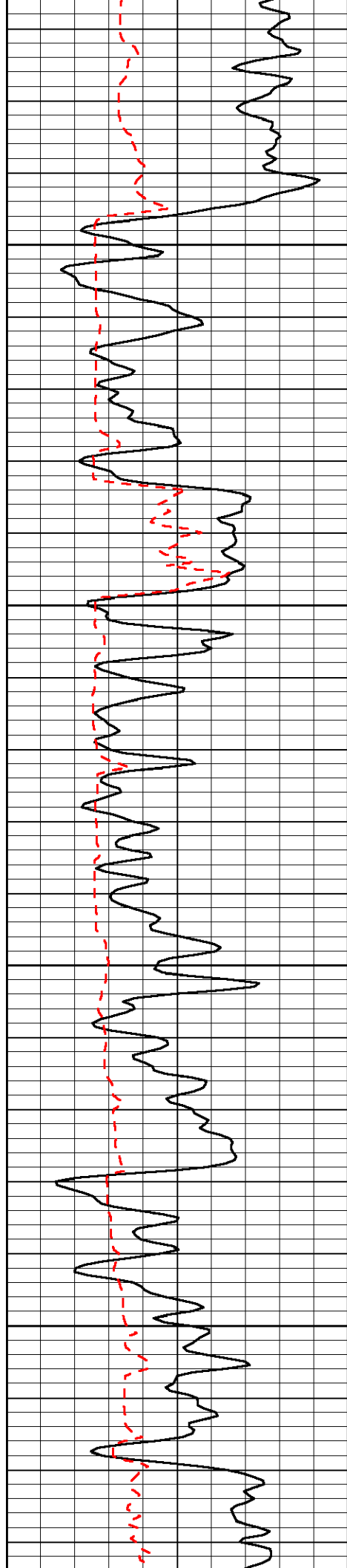


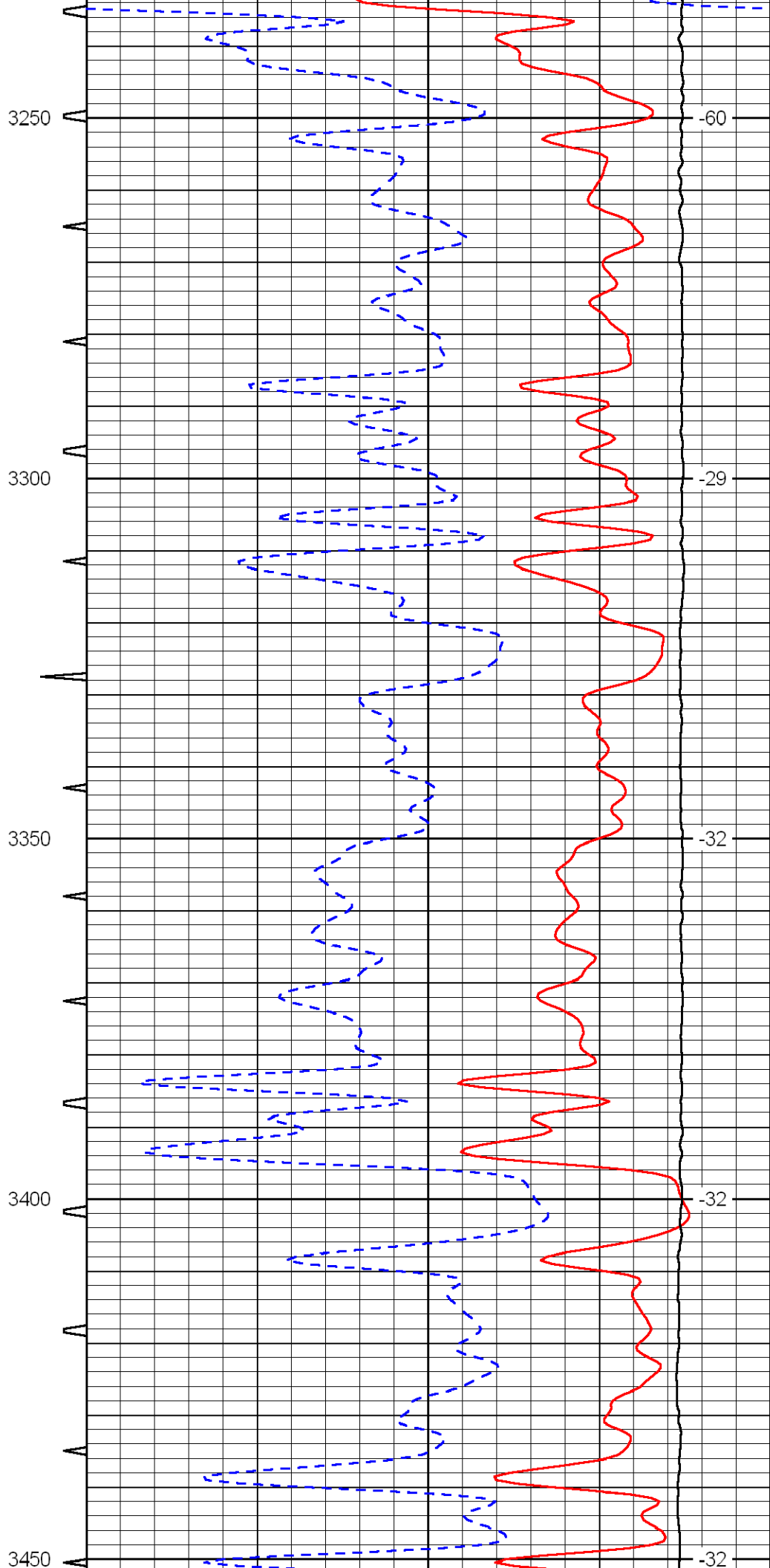
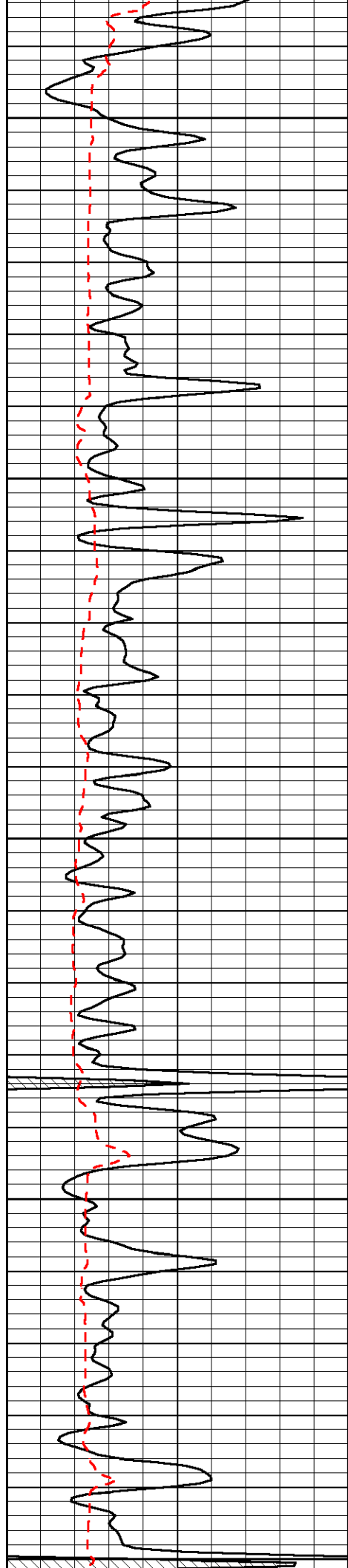


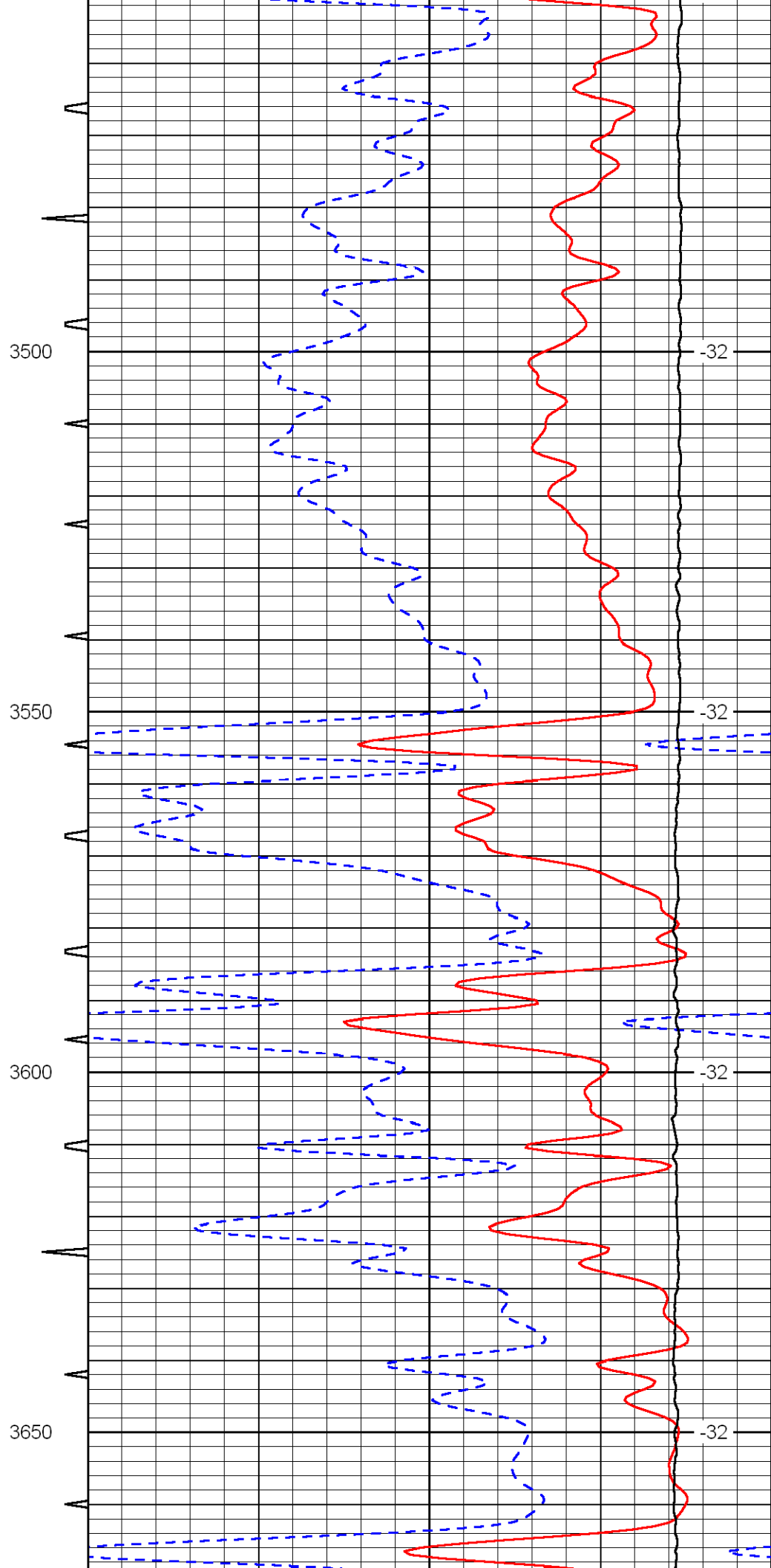
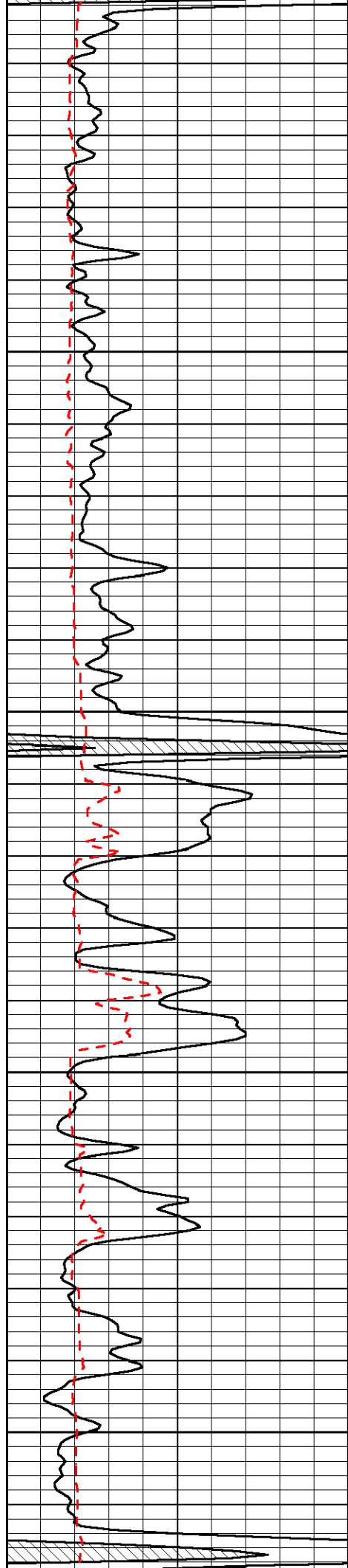


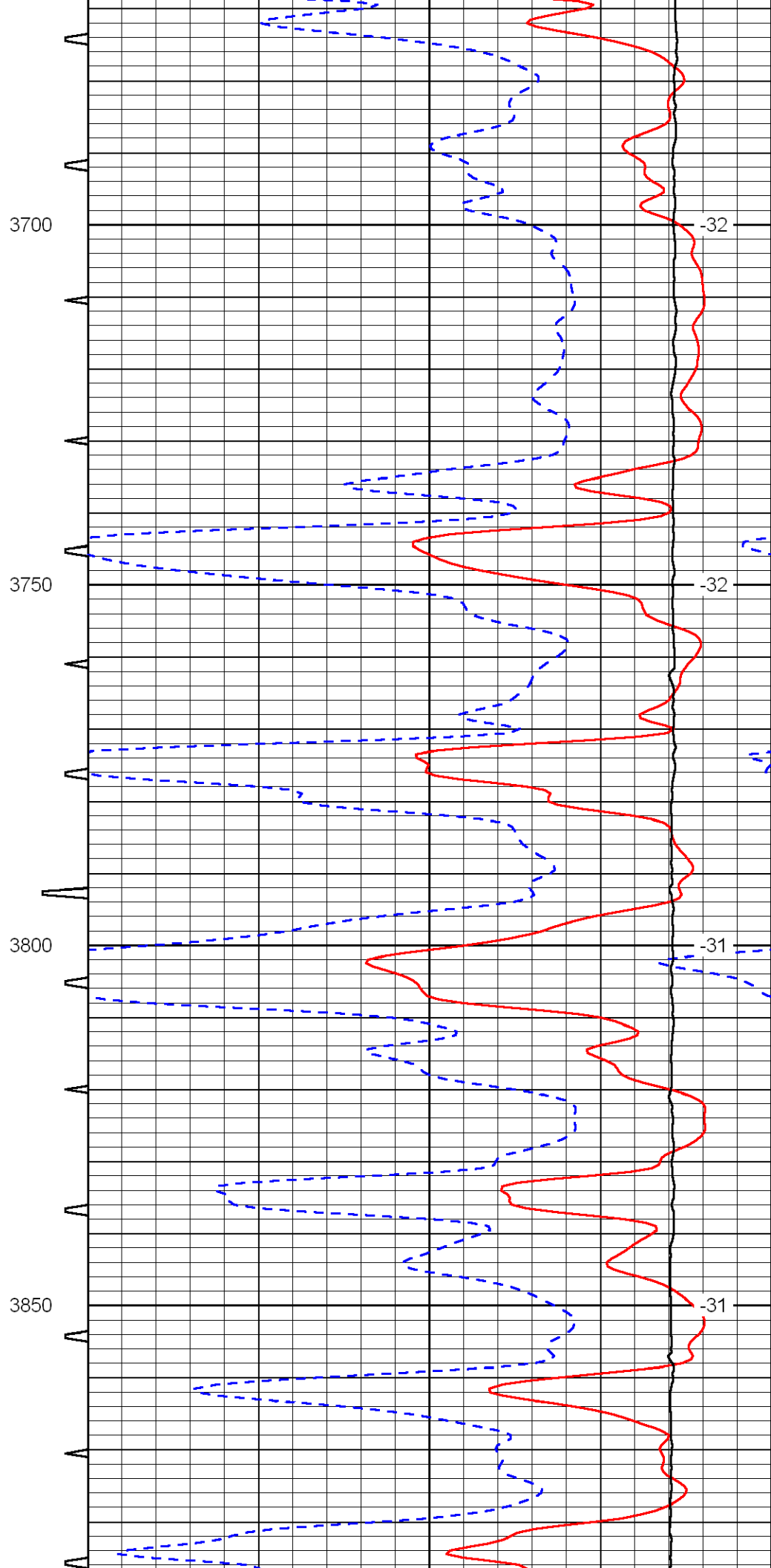
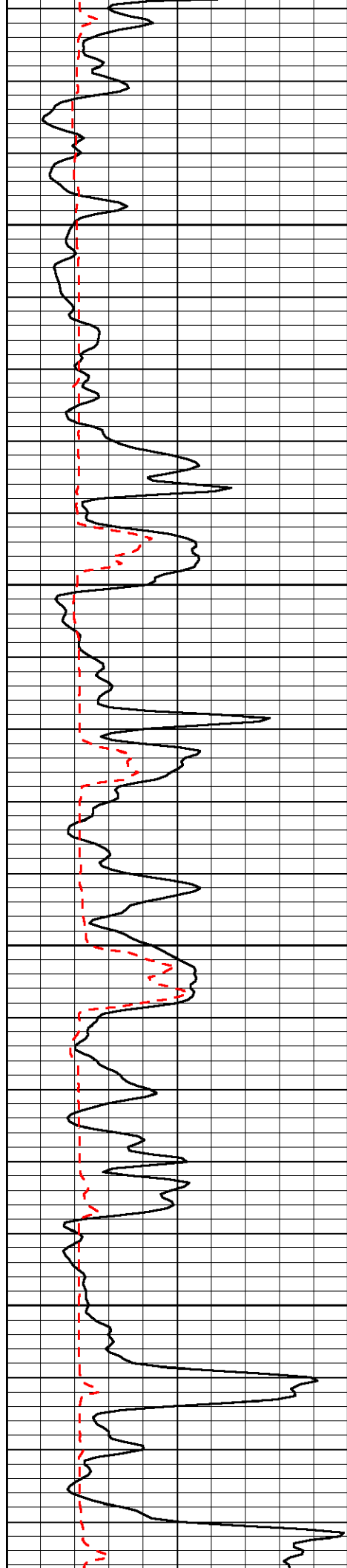


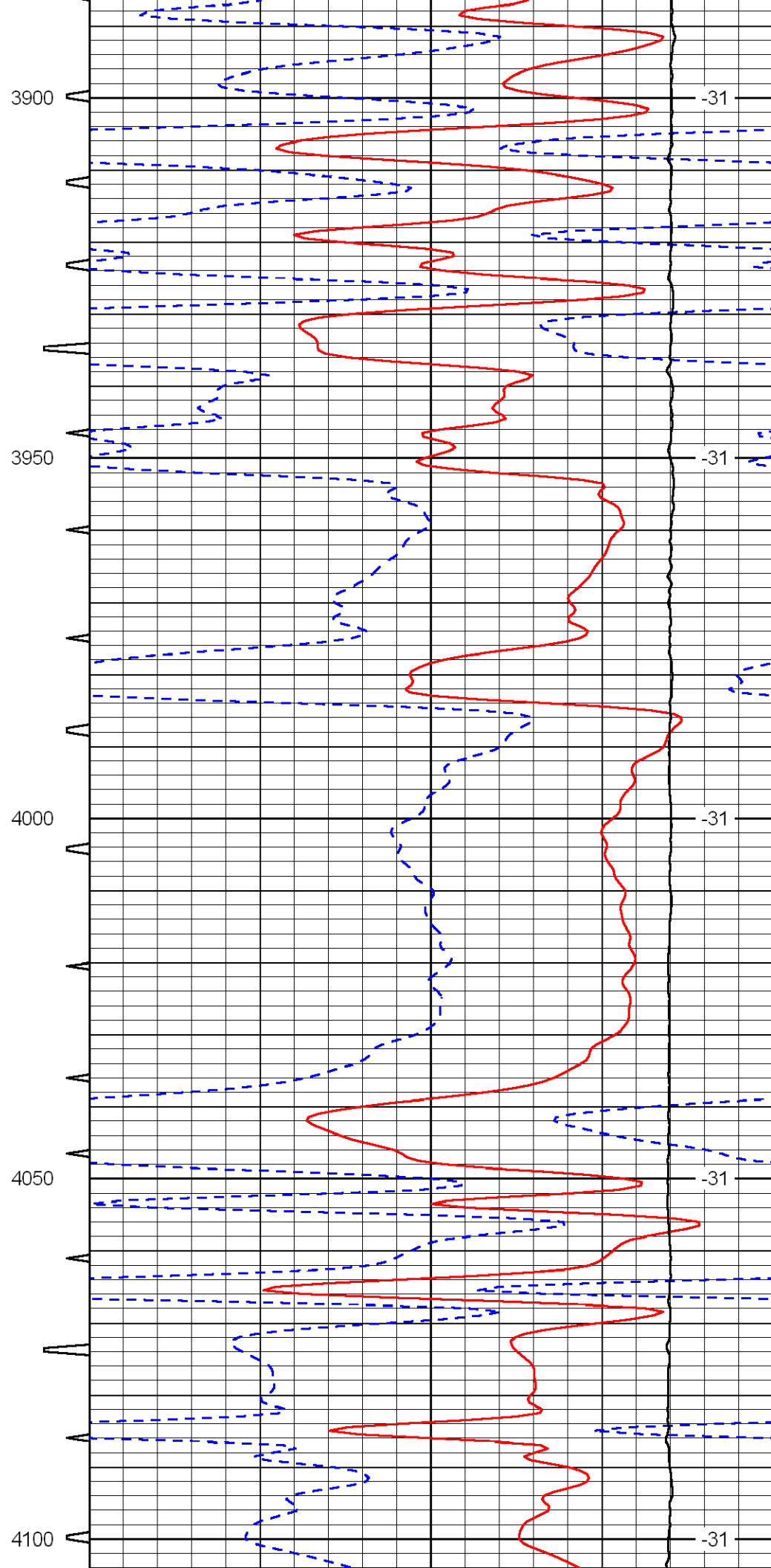
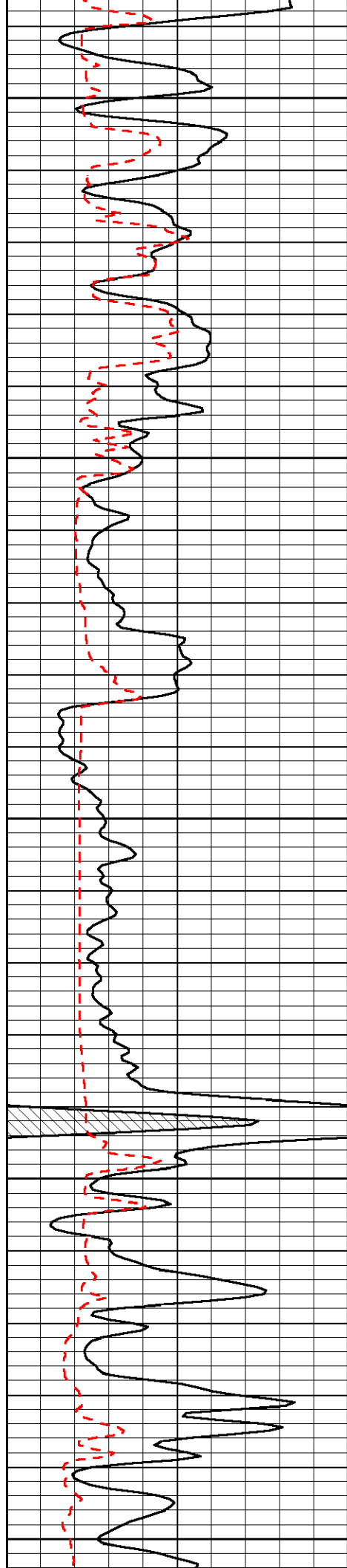


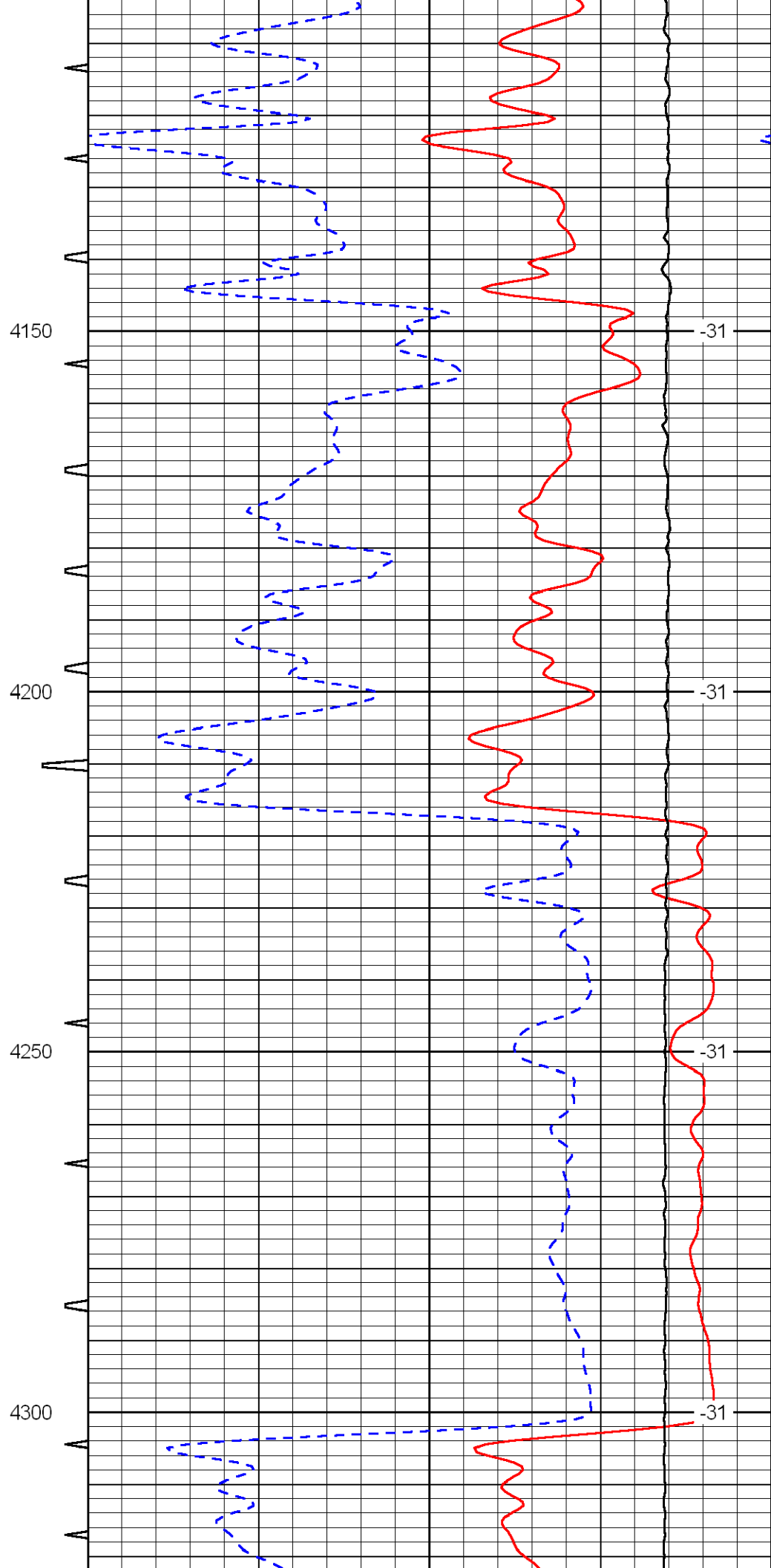
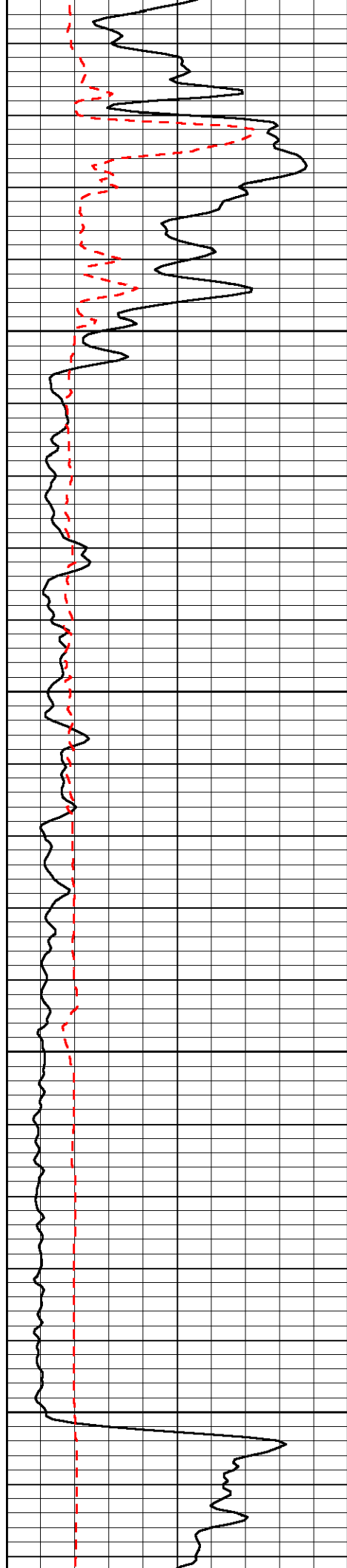


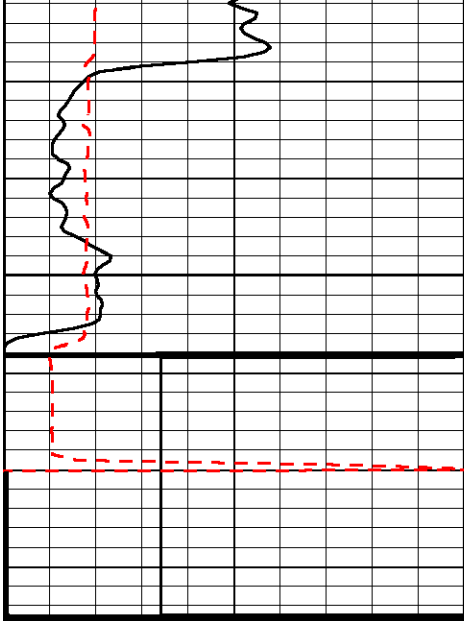




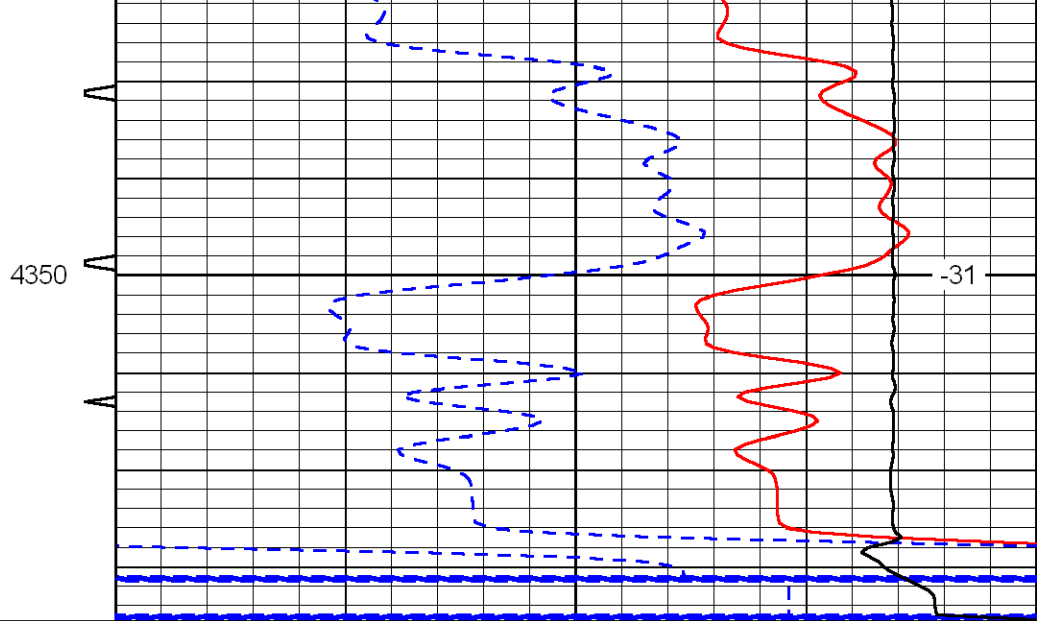








|     |             |     |
|-----|-------------|-----|
| 0   | Gamma Ray   | 150 |
| 150 | Gamma Ray   | 300 |
| 6   | dCAL (GAPI) | 16  |



|           |     |                      |     |
|-----------|-----|----------------------|-----|
| Sonic Int | 140 | Delta Time (usec/ft) | 40  |
| 5         | 0   | Sonic Porosity       | -10 |
|           | 30  | LTEN (lb)            | 0   |

LSPD