PIONEER

Pioneer Energy Services

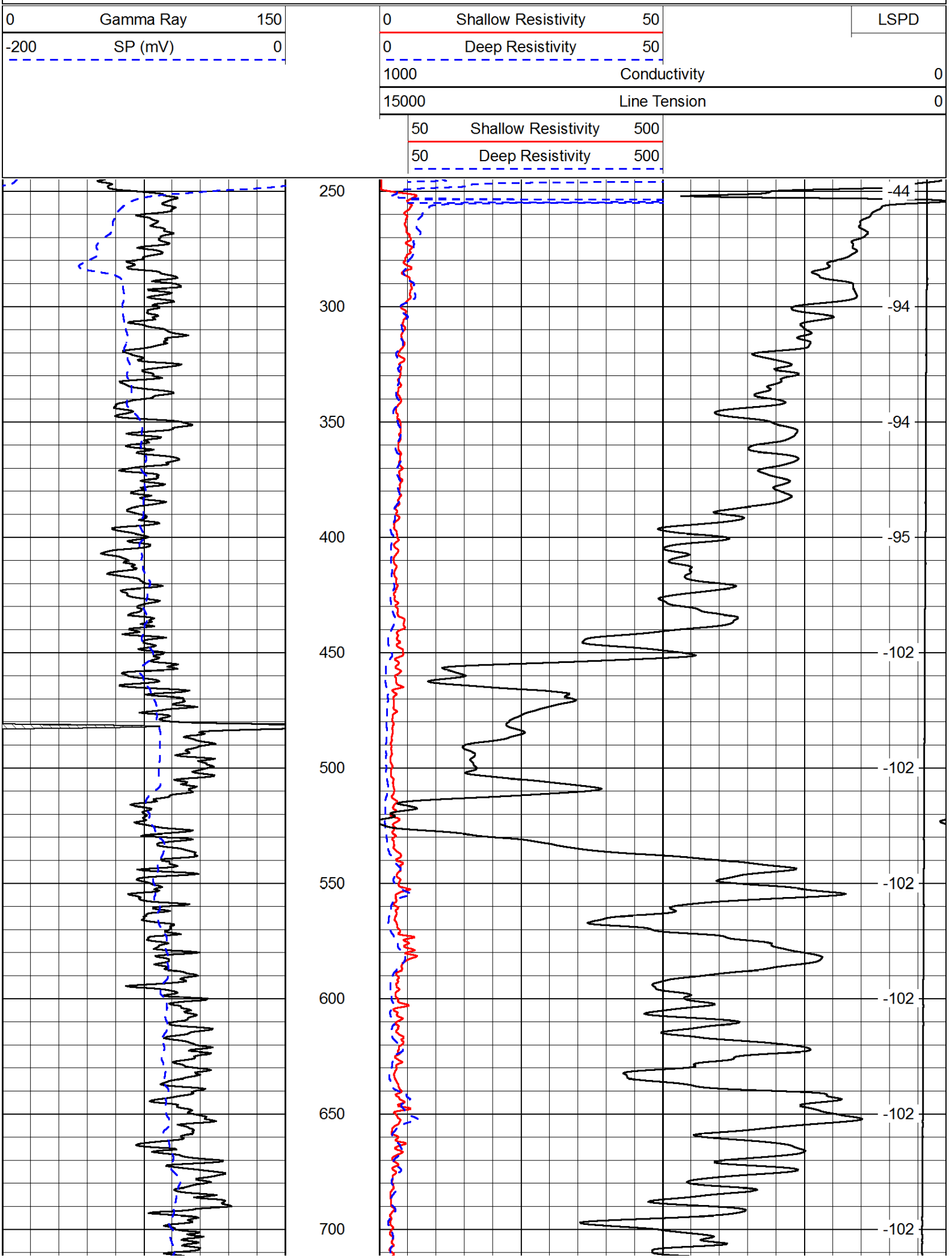
# Dual Induction Log

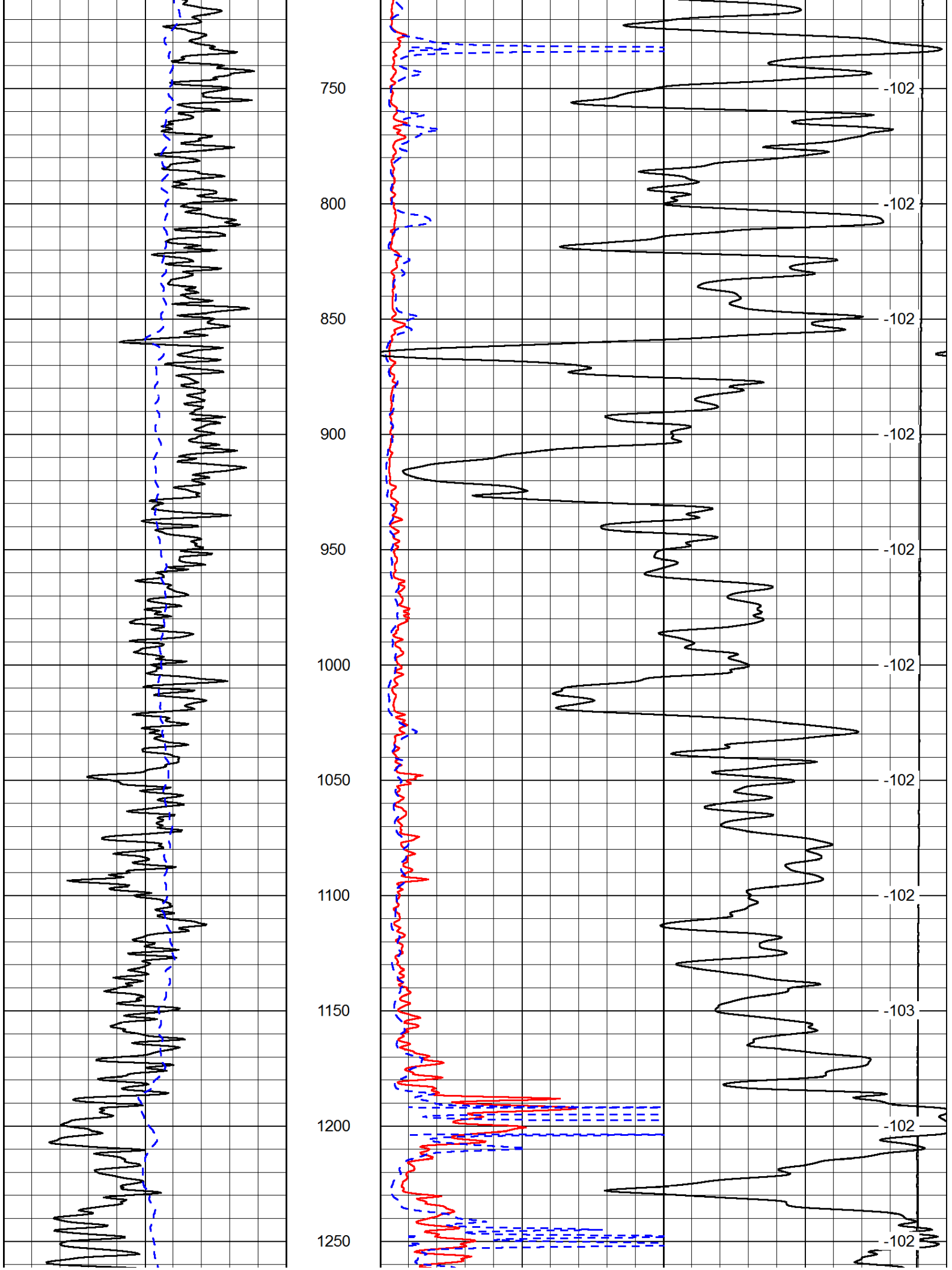
| | |
|---|---|
| Company | R&B Oil & Gas, Inc. |
| Well | Dana "A" # 1 |
| Field | Wildcat |
| County | Barber |
| State | Kansas |
| API No. | 15-007-24,186-00-00 |

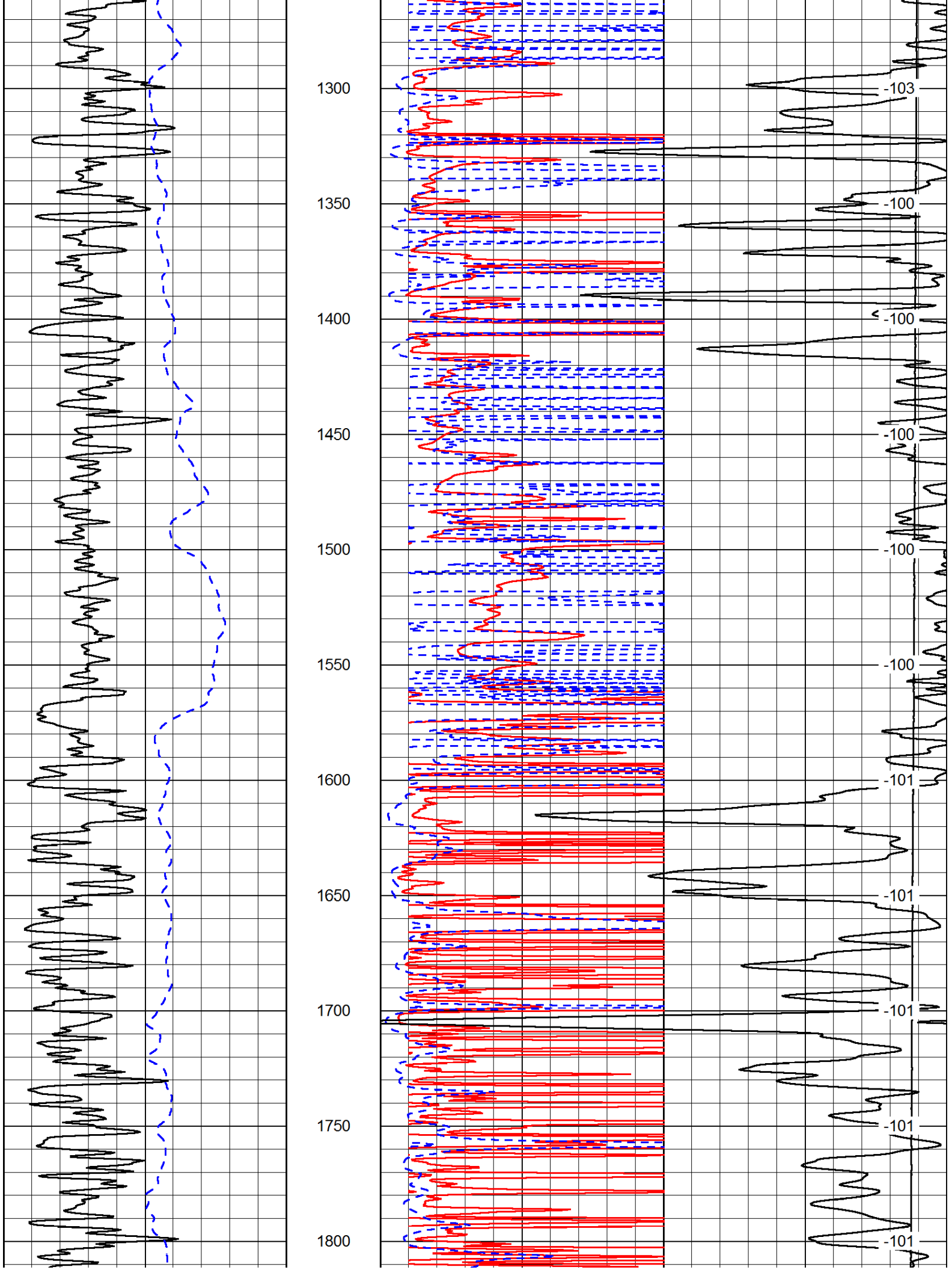
| | |
|---|---|
| Location | 370' FNL & 1,485' FEL |
| Sec: 6 | Twp: 32S Rge: 10W |
| Permanent Datum | Ground Level |
| Log Measured From | Kelly Bushing |
| Drilling Measured From | Kelly Bushing |
| Elevation 1646 | 10 Ft. Above Perm. Datum |

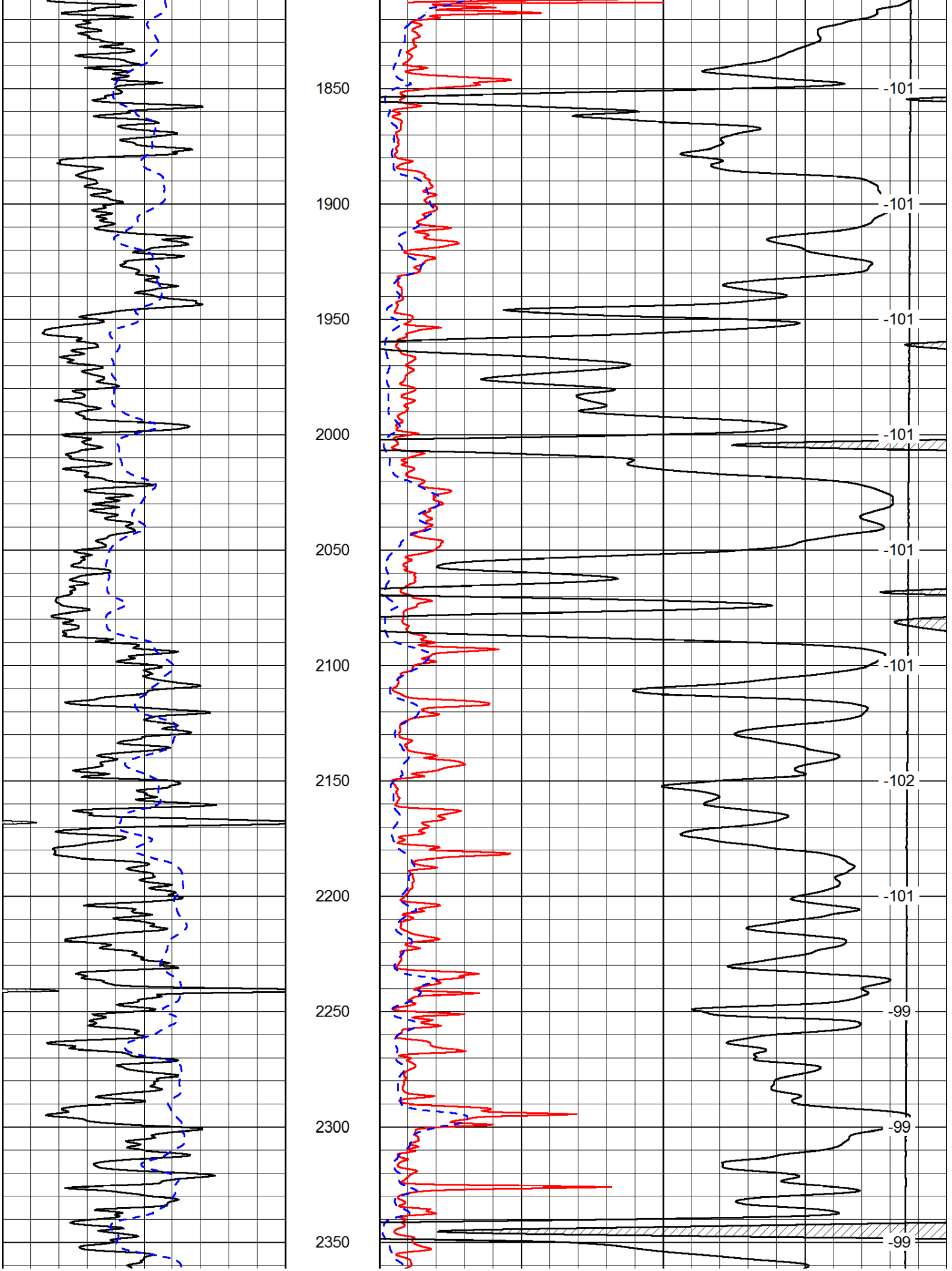
| Other Services | Elevation |
|---|---|
| CNL/CDL | K.B. 1656 |
| | D.F. |
| | G.L. 1646 |

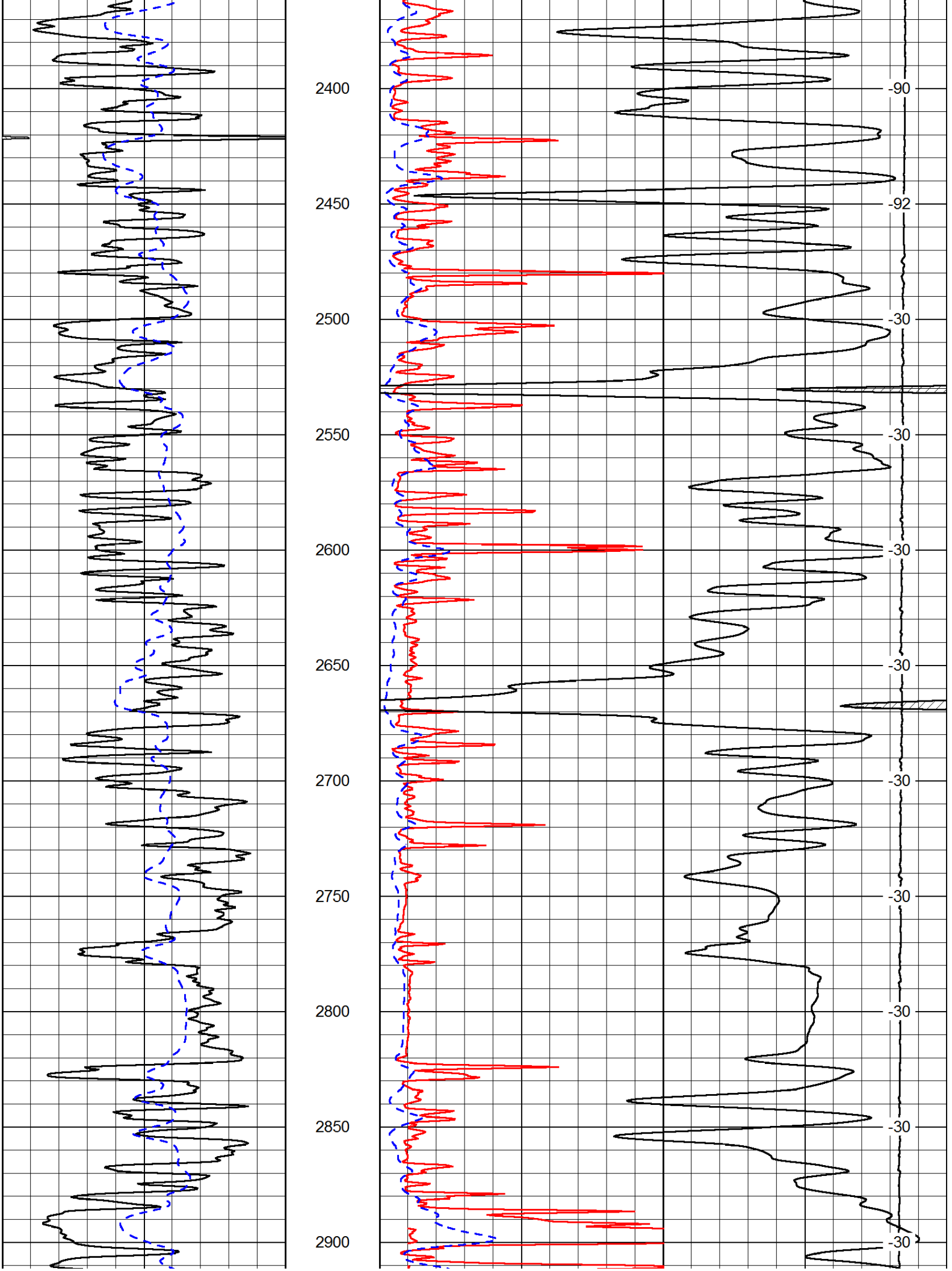
| | | |

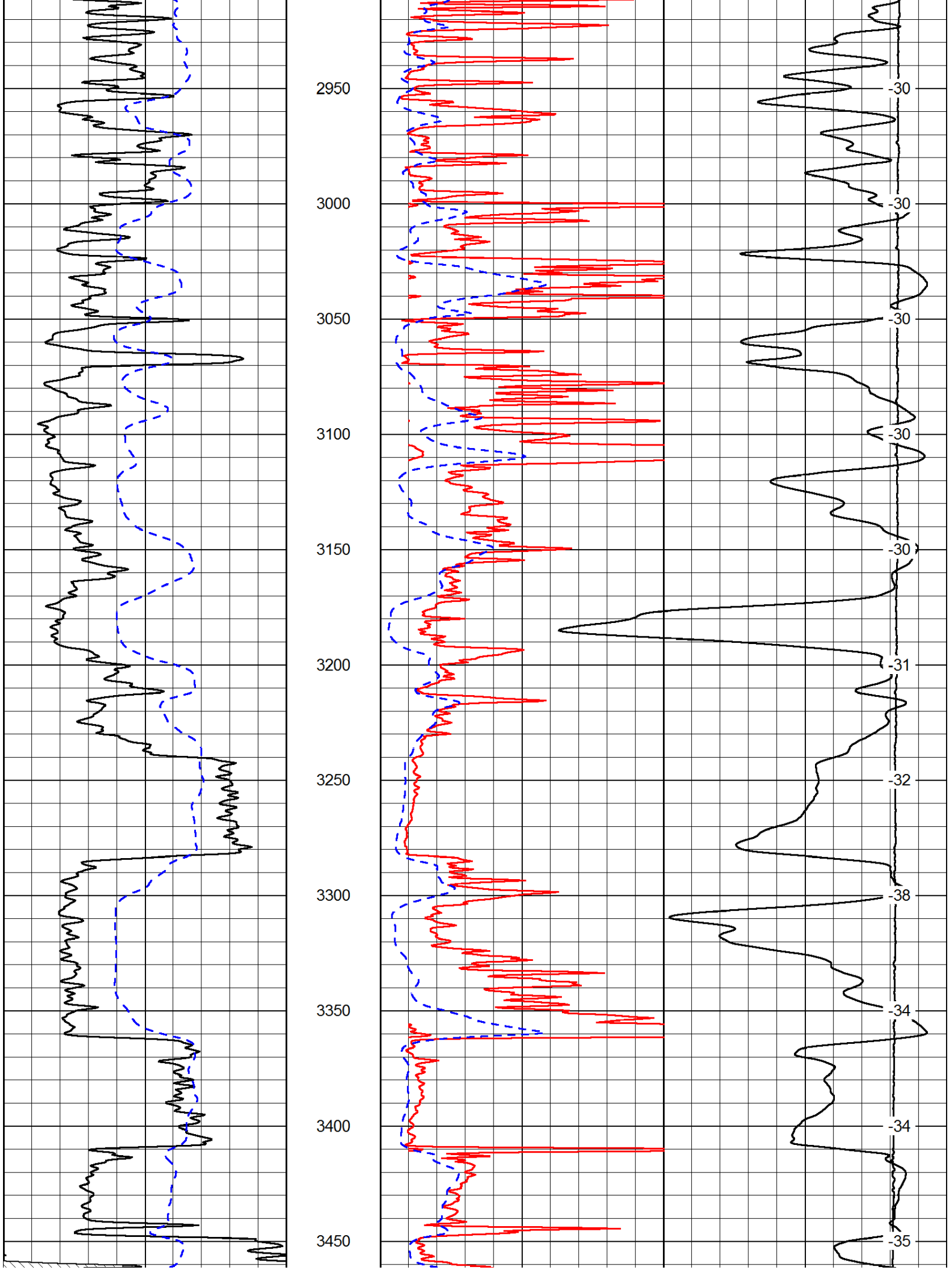

0 Gamma Ray 150
-200 SP (mV) 0
0 Shallow Resistivity 50
0 Deep Resistivity 50
1000 Conductivity 0
15000 Line Tension 0
50 Shallow Resistivity 500
50 Deep Resistivity 500
LSPD
250
300
350
400
450
500
550
600
650
700
-44
-94
-94
-95
-102
-102
-102
-102
-102

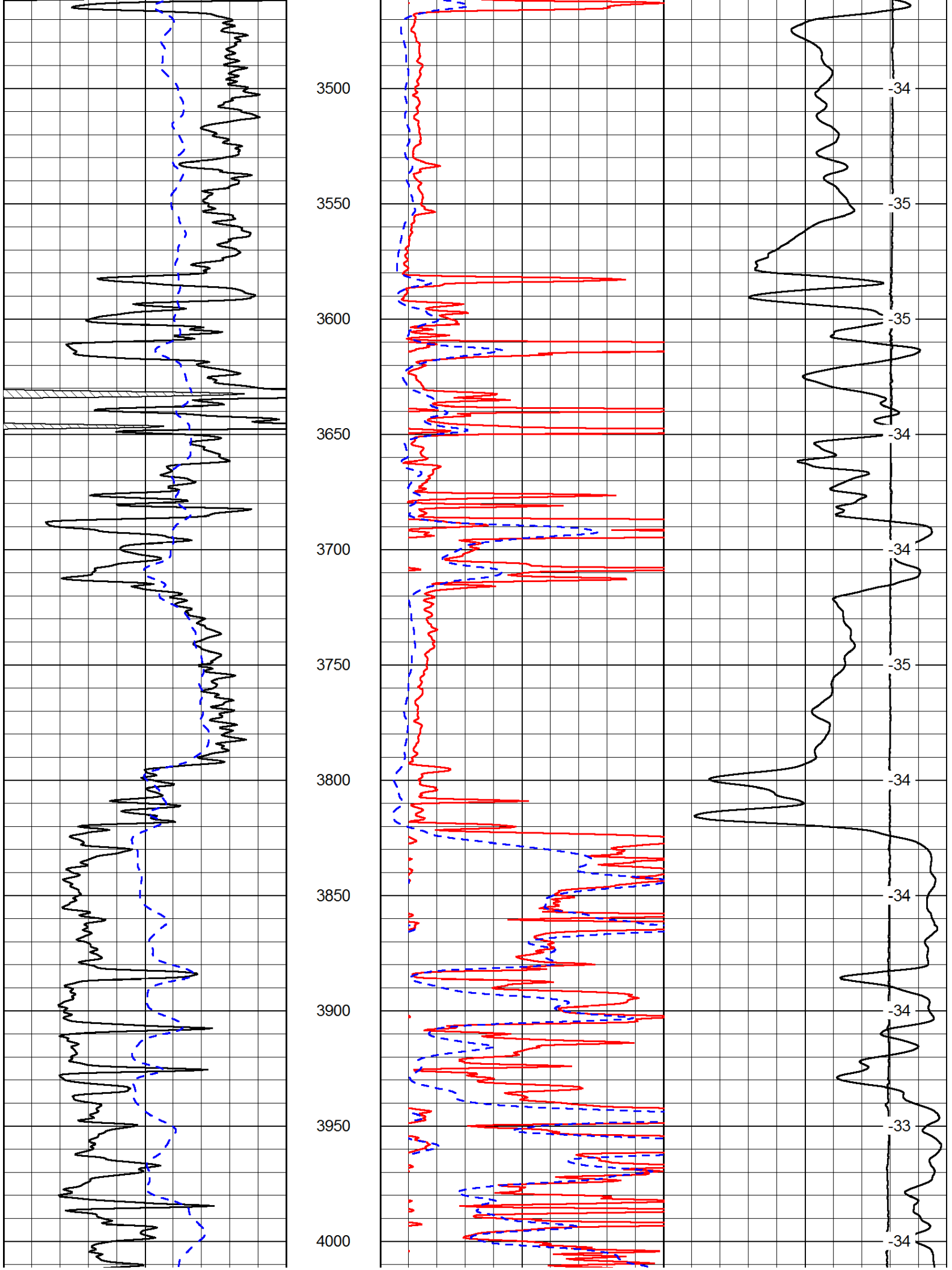

750
800
850
900
950
1000
1050
1100
1150
1200
1250
-102
-102
-102
-102
-102
-102
-102
-103
-102
-102

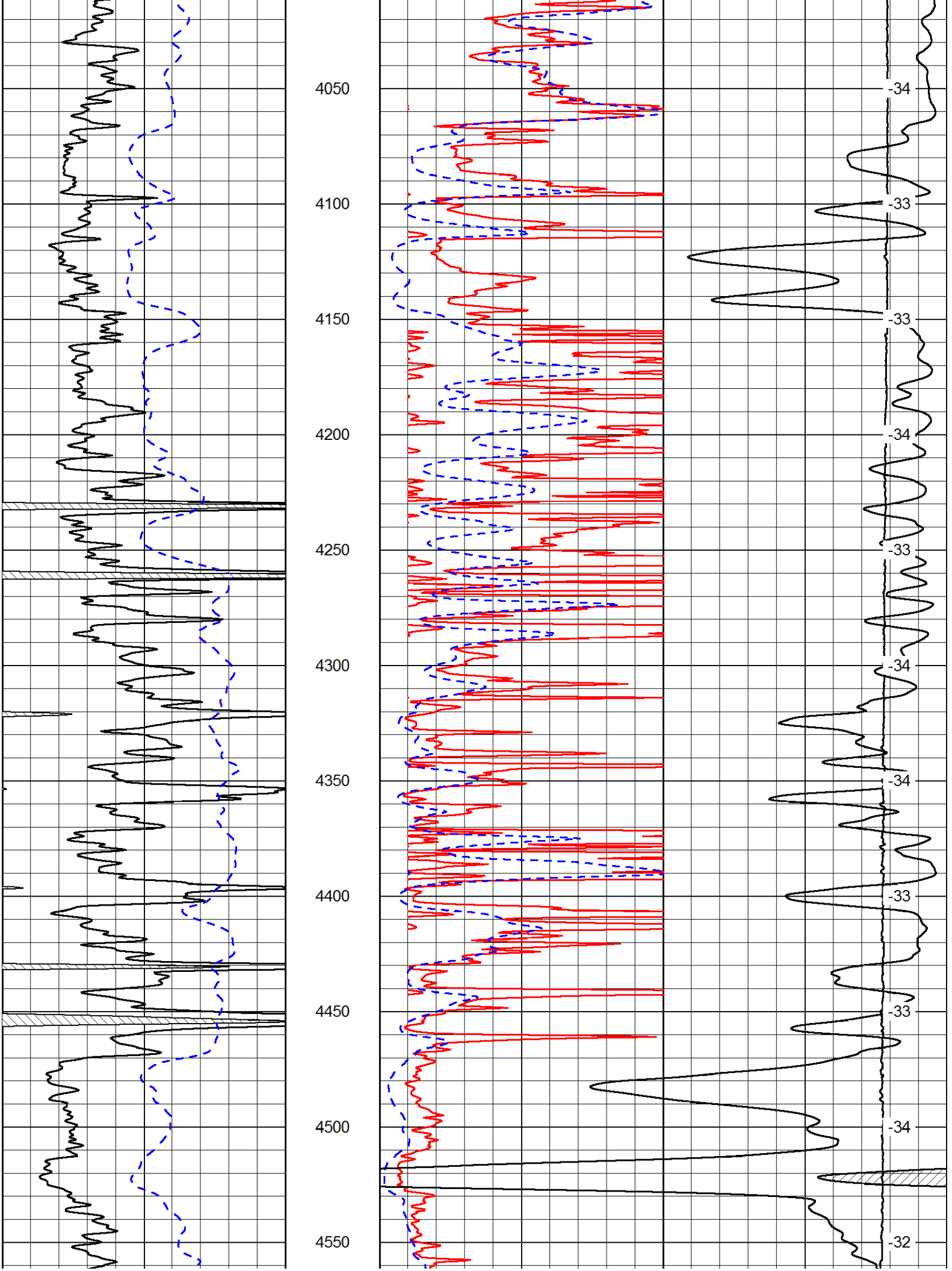

1300
1350
1400
1450
1500
1550
1600
1650
1700
1750
1800
-103
-100
-100
-100
-100
-101
-101
-101
-101
-101

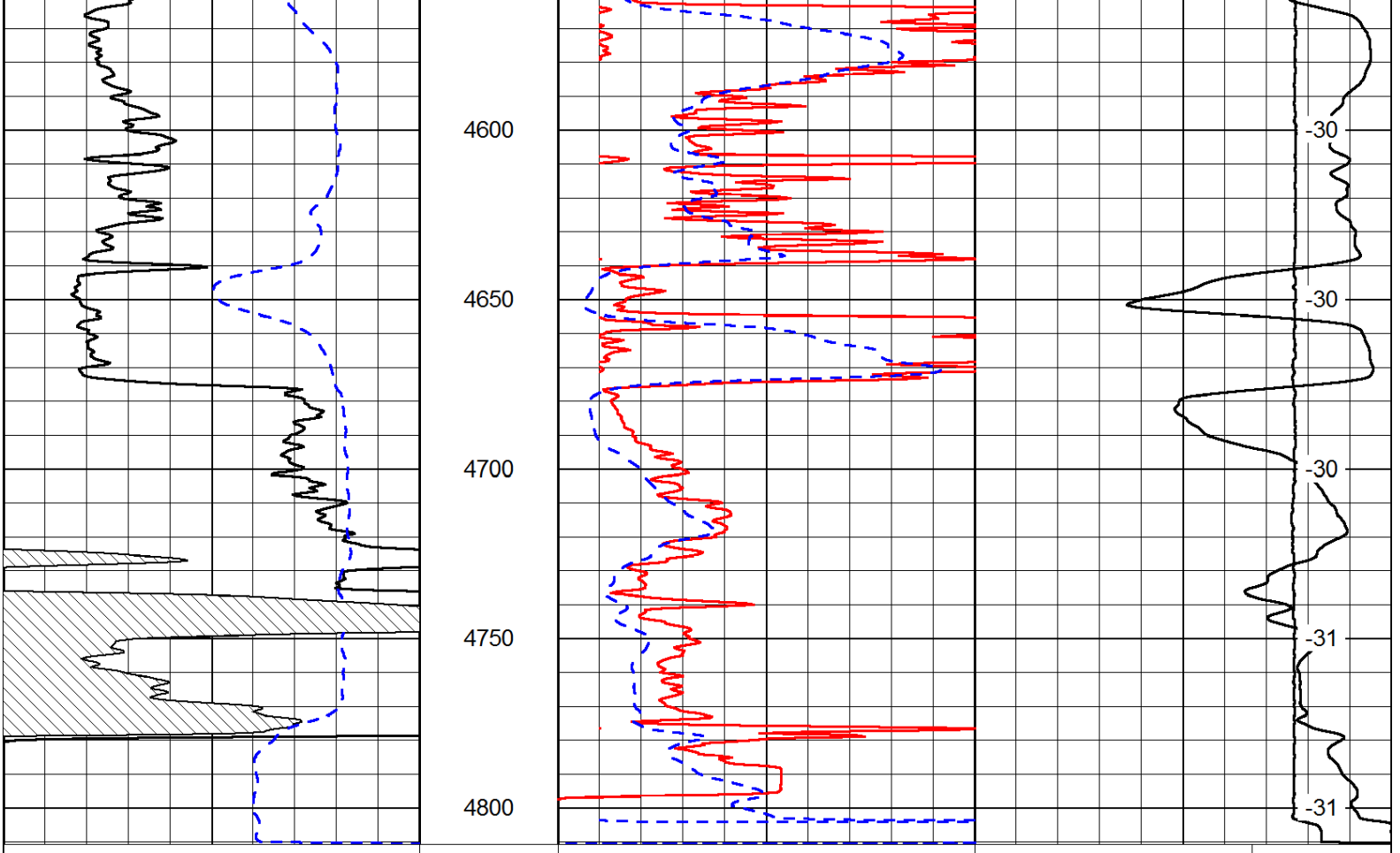

1850
1900
1950
2000
2050
2100
2150
2200
2250
2300
2350
-101
-101
-101
-101
-101
-102
-101
-99
-99
-99


2400
2450
2500
2550
2600
2650
2700
2750
2800
2850
2900
-90
-92
-30
-30
-30
-30
-30
-30
-30
-30


2950
3000
3050
3100
3150
3200
3250
3300
3350
3400
3450
-30
-30
-30
-30
-31
-32
-38
-34
-34
-35


3500
3550
3600
3650
3700
3750
3800
3850
3900
3950
4000
-34
-35
-35
-34
-34
-35
-34
-34
-34
-33
-34


4050
4100
4150
4200
4250
4300
4350
4400
4450
4500
4550
-34
-33
-33
-34
-33
-34
-34
-33
-33
-34
-32




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

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

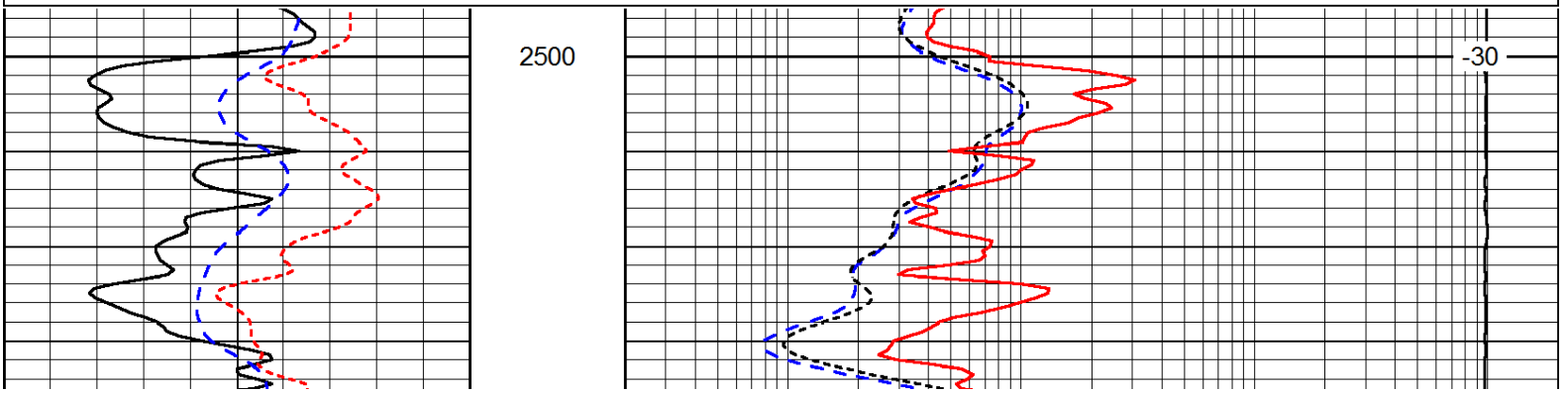
LSPD

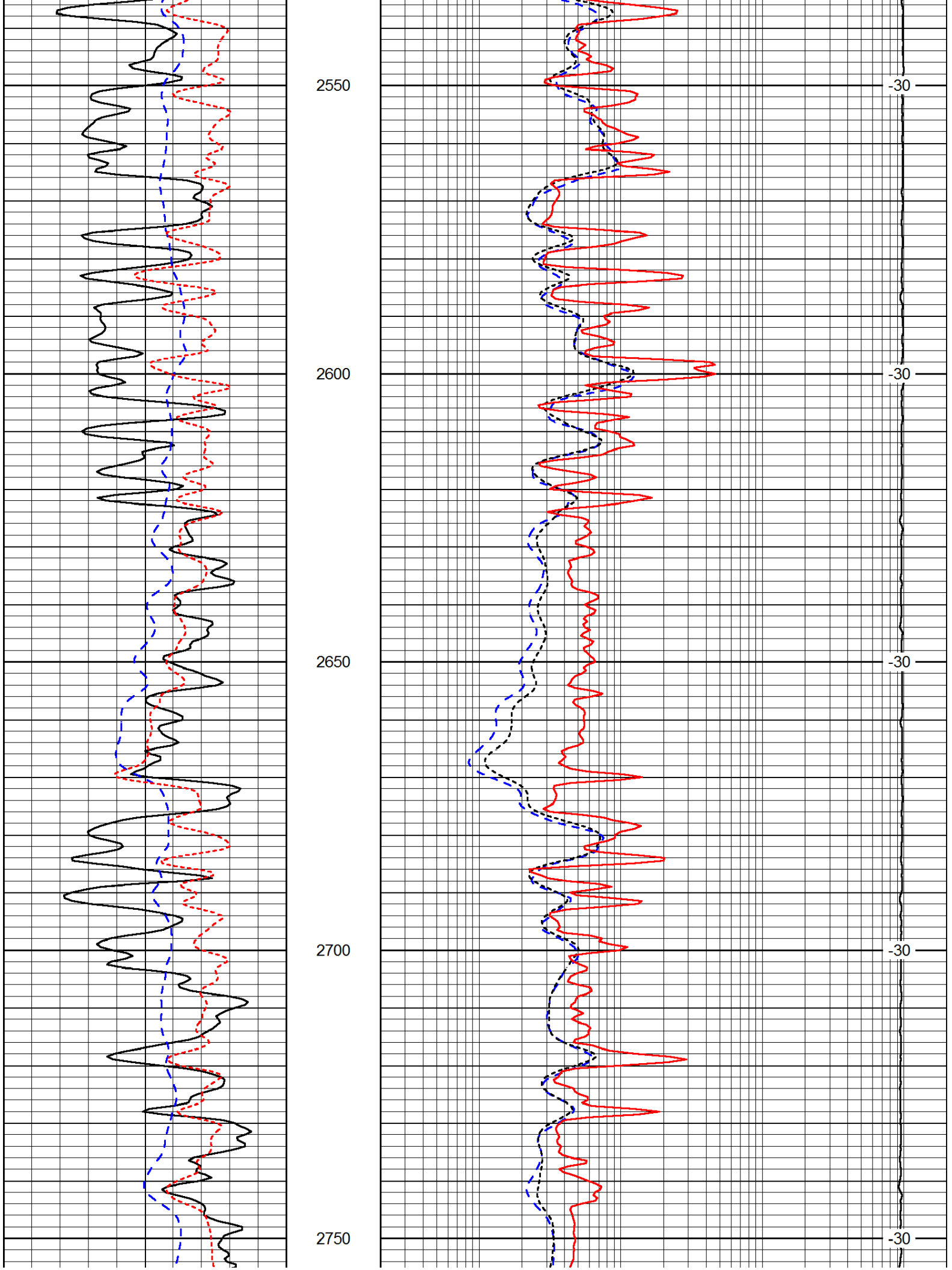
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Dataset Pathname: dil/rbstck
Presentation Format: dil
Dataset Creation: Wed Jun 25 21:25:47 2014
Charted by: Depth in Feet scaled 1:240

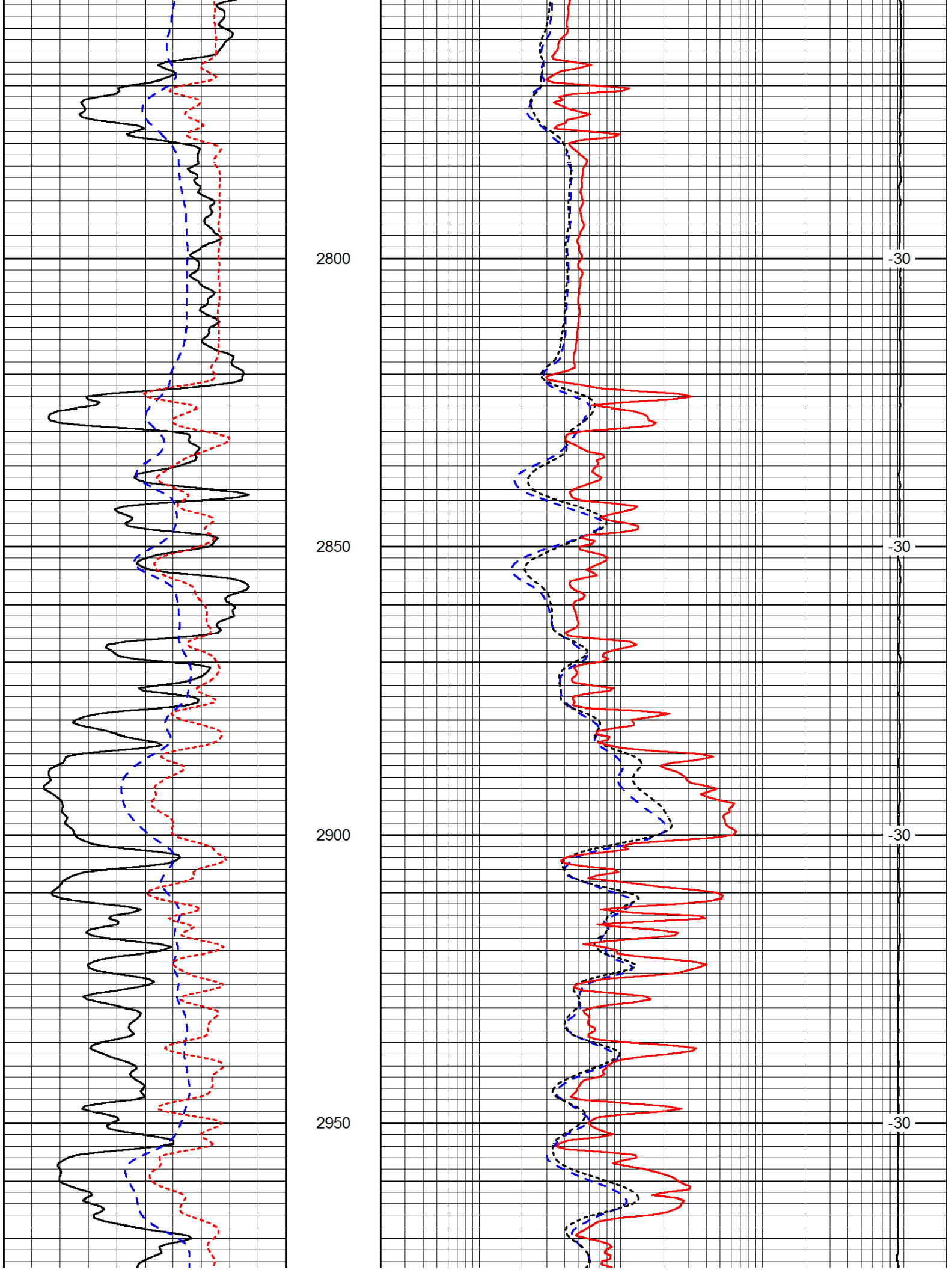
| | | |
|---|---|---|
| 0 | Gamma Ray | 150 |
| -200 | SP (mV) | 0 |
| -160 | RxoRt | 40 |

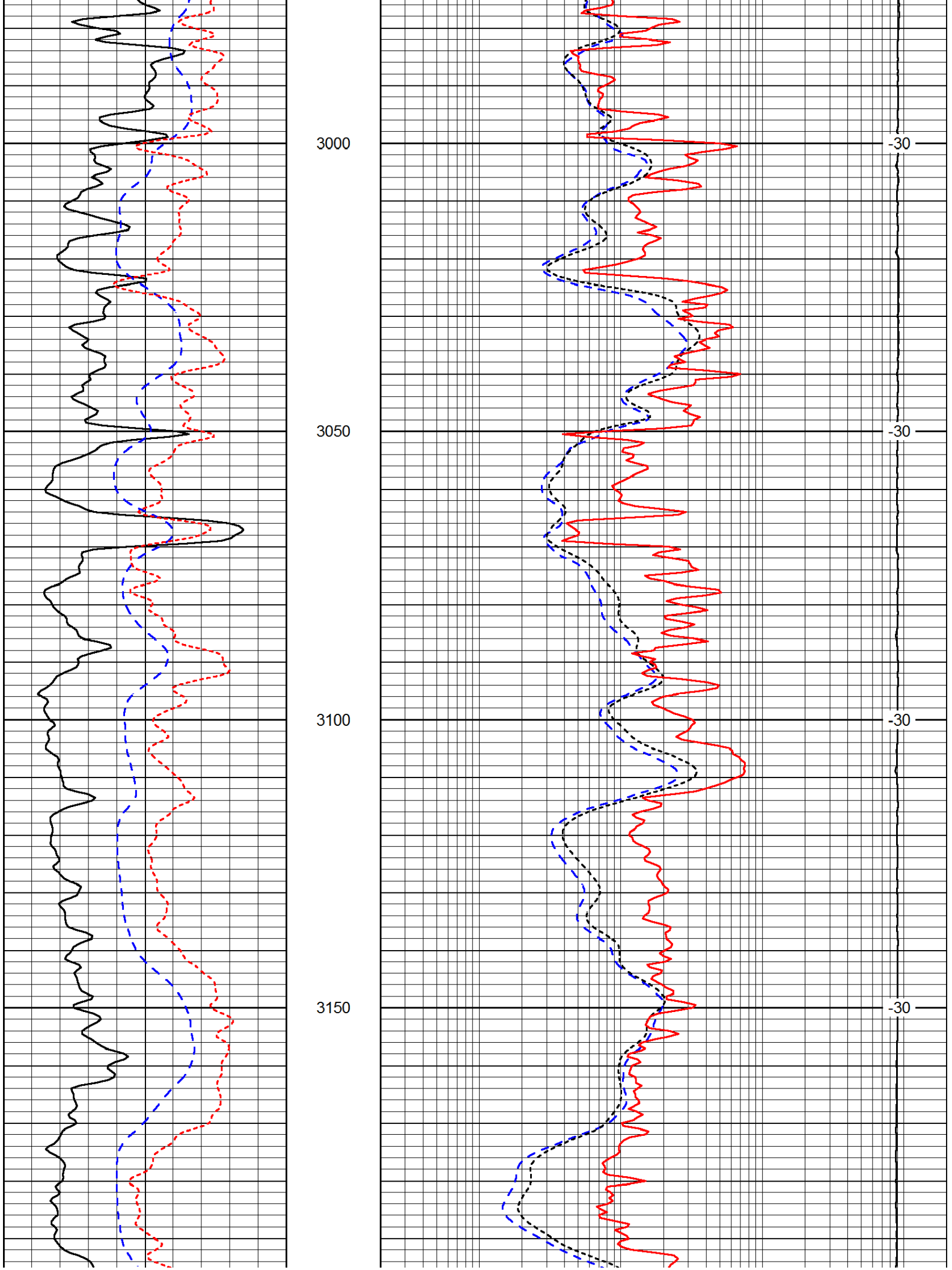
| | | |
|---|---|---|
| 0.2 | Deep Resistivity | 2000 |
| 0.2 | Medium Resistivity | 2000 |
| 0.2 | Shallow Resistivity | 2000 |
| 15000 | Line Tension | 0 |

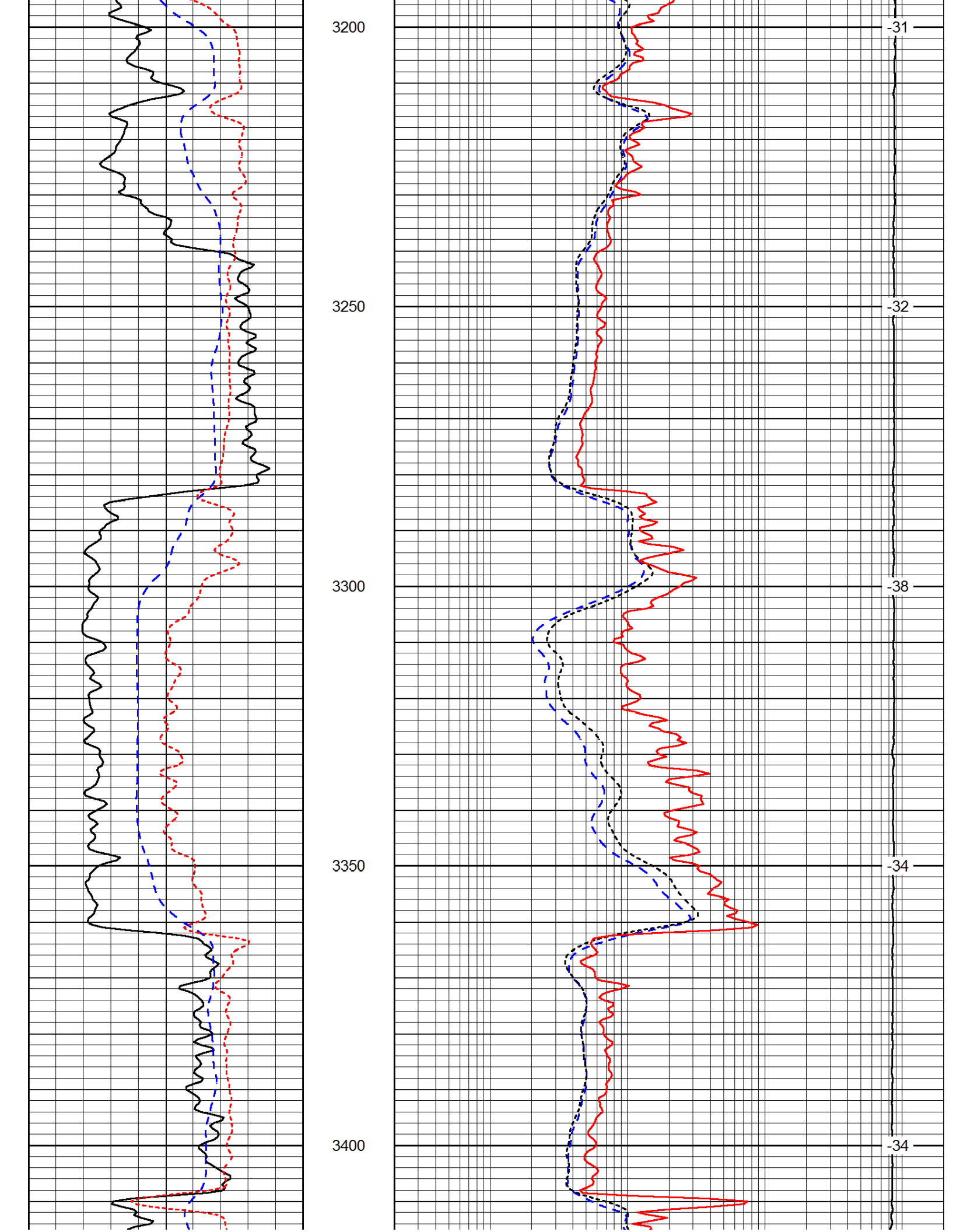
LSPD

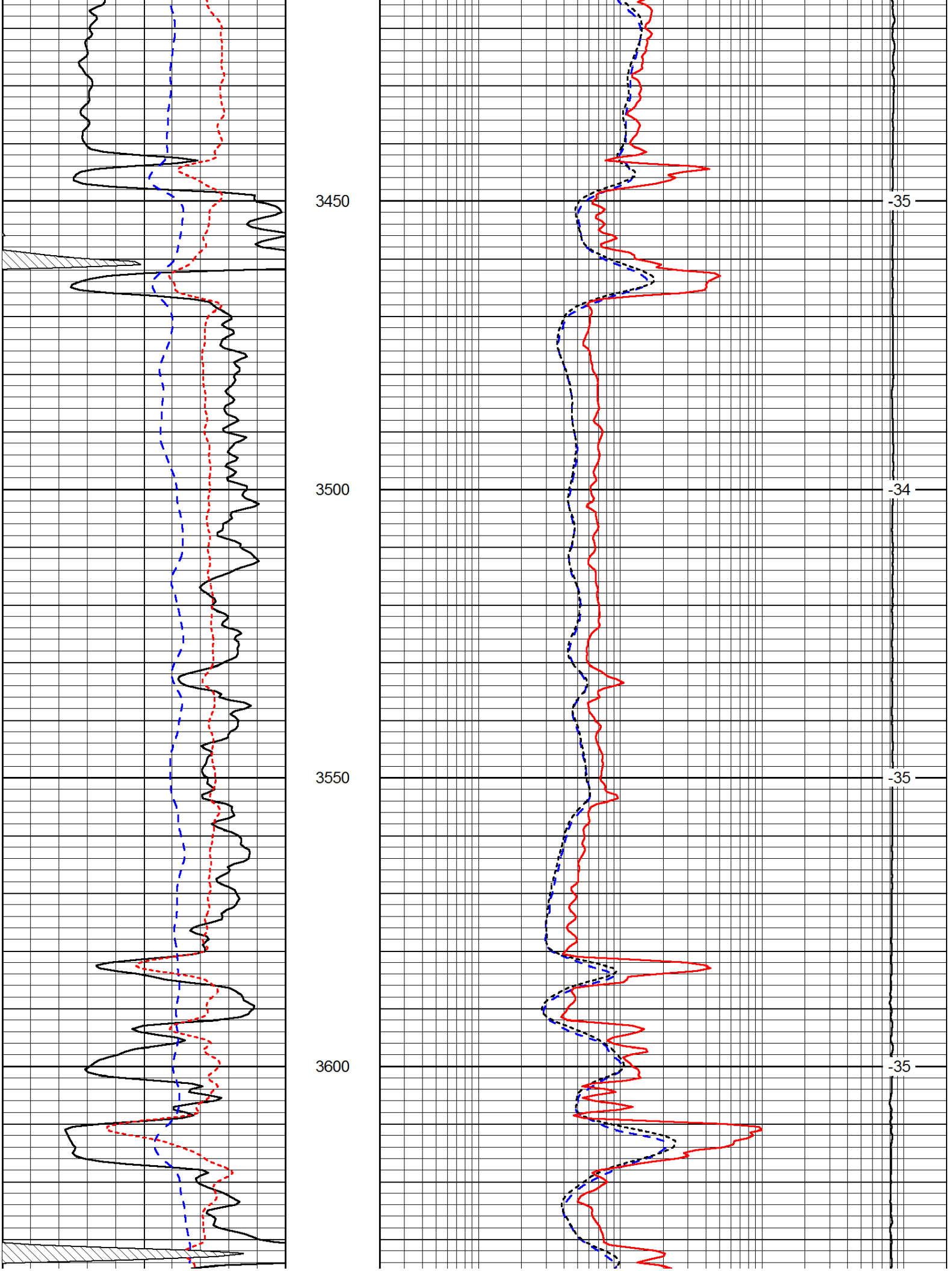


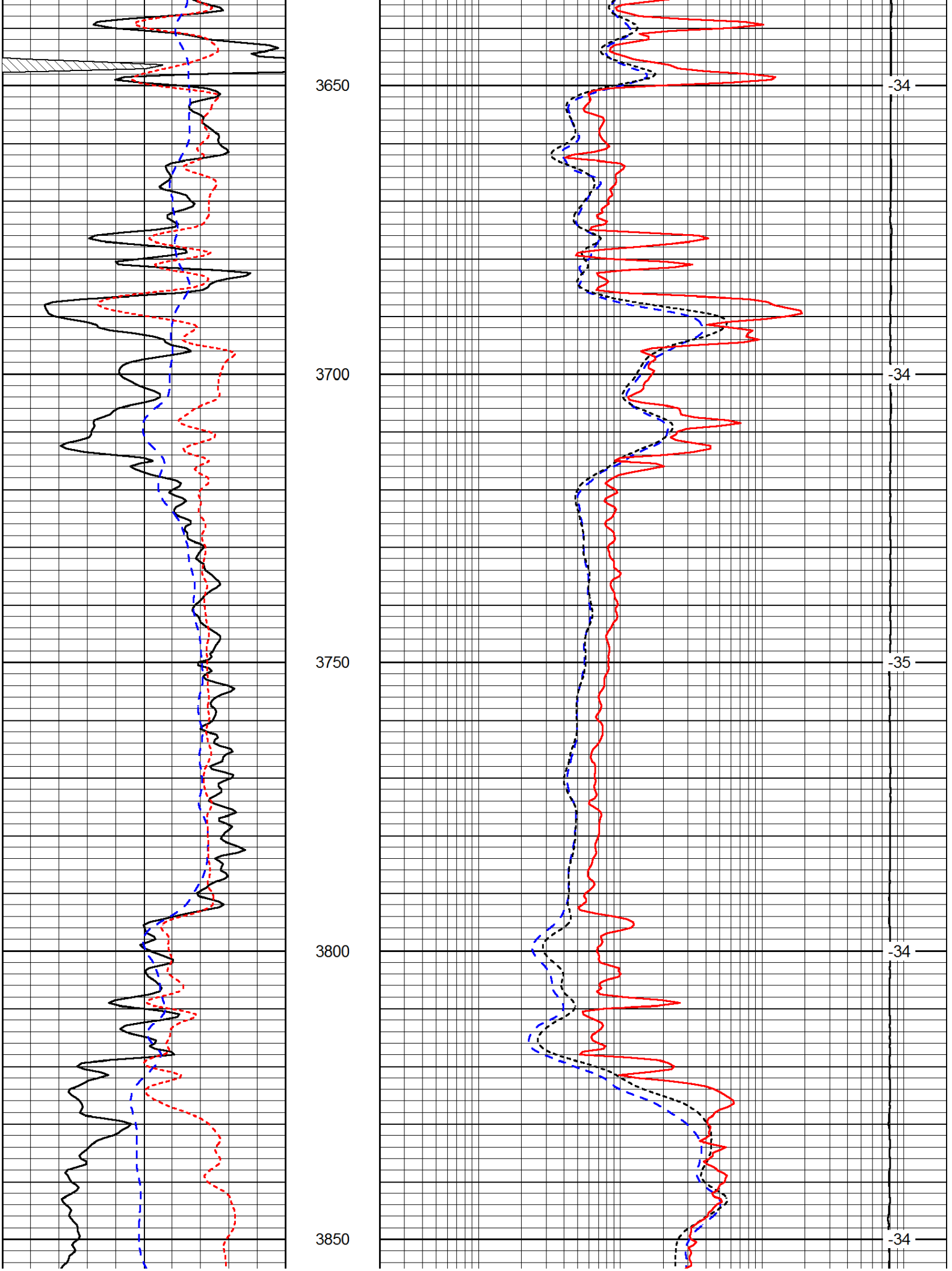

2550
2600
2650
2700
2750
-30
-30
-30
-30
-30

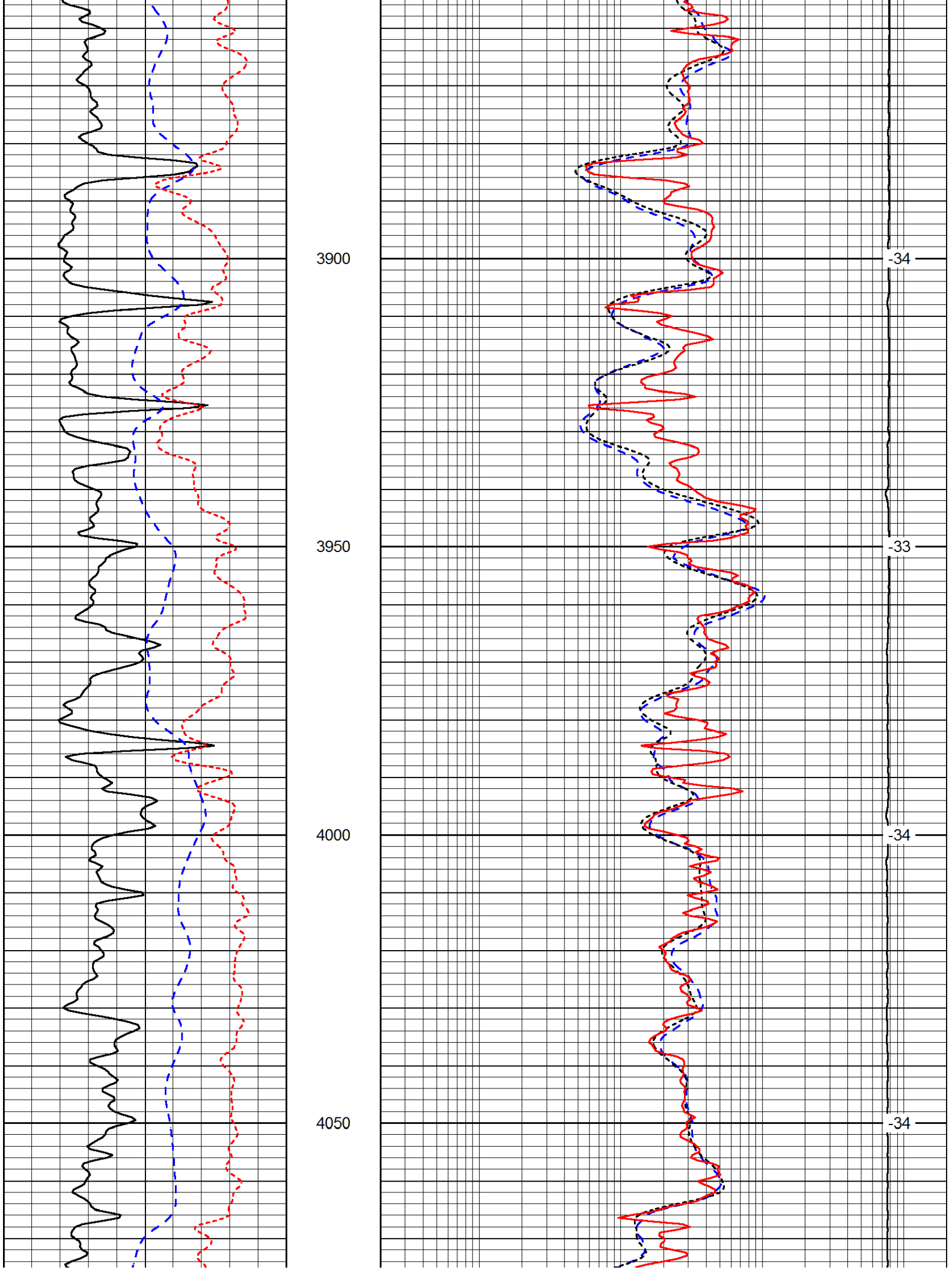

2800
2850
2900
2950
-30
-30
-30
-30

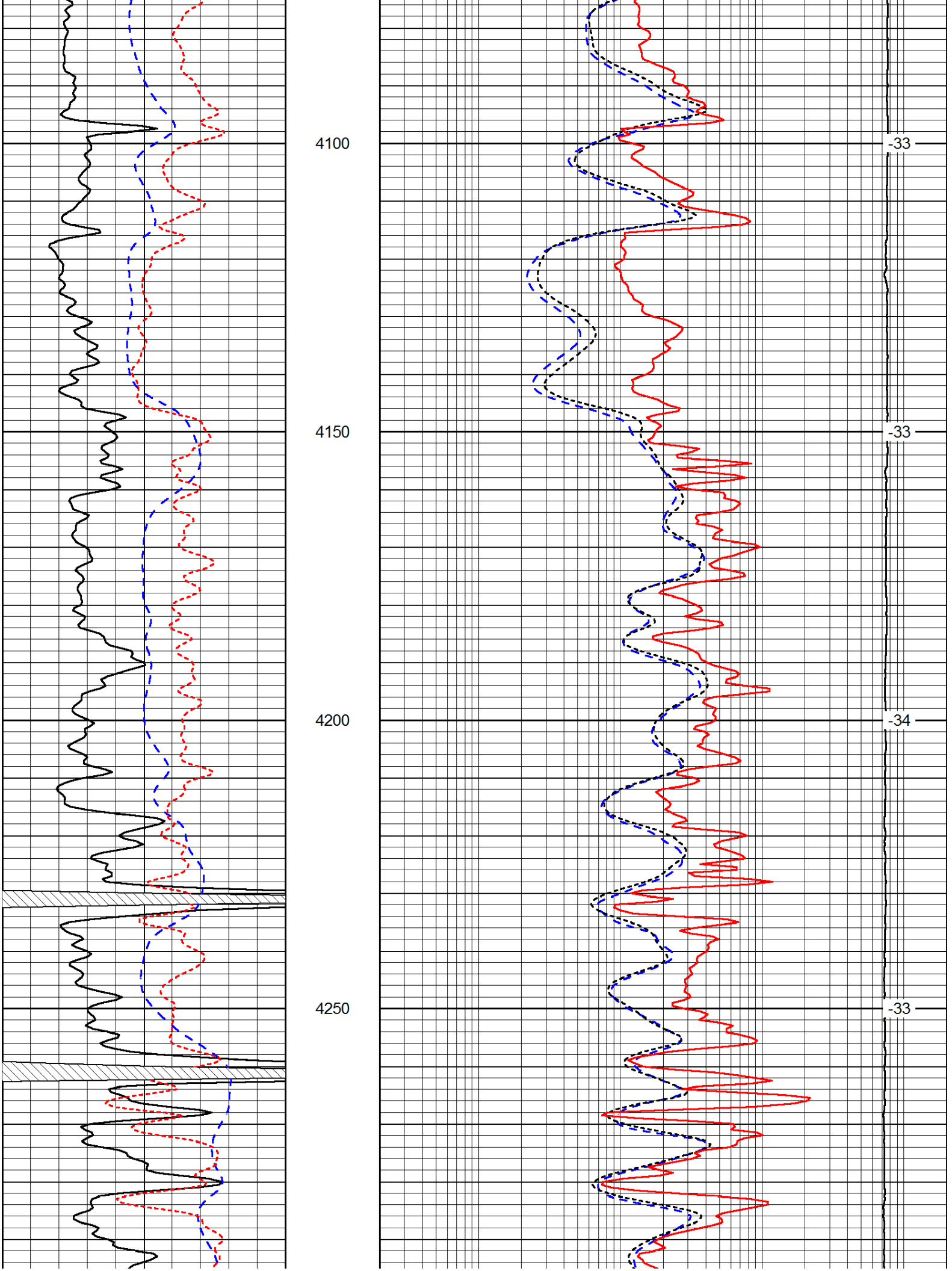

3000
3050
3100
3150
-30
-30
-30
-30

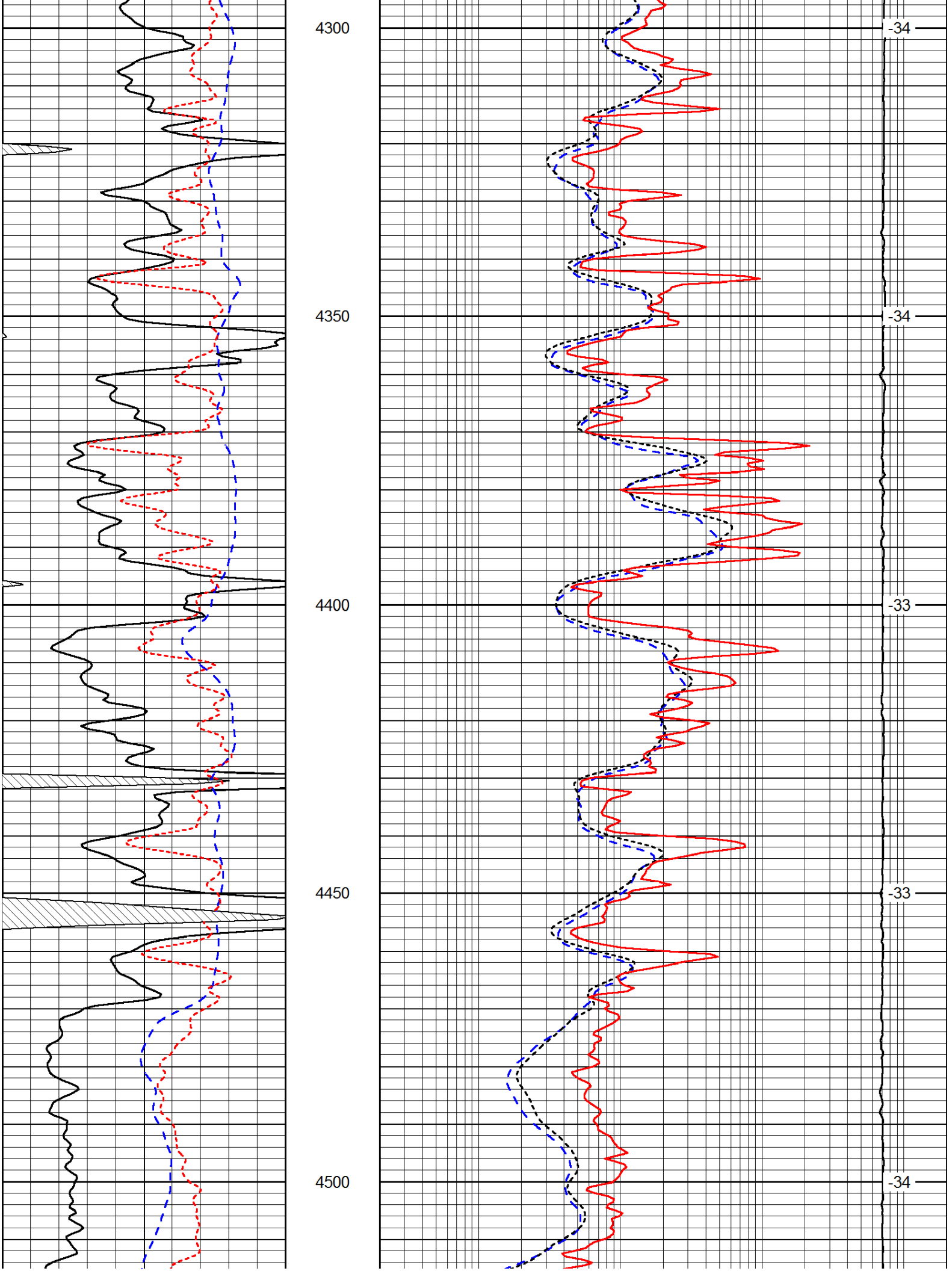

3200
3250
3300
3350
3400
-31
-32
-38
-34
-34

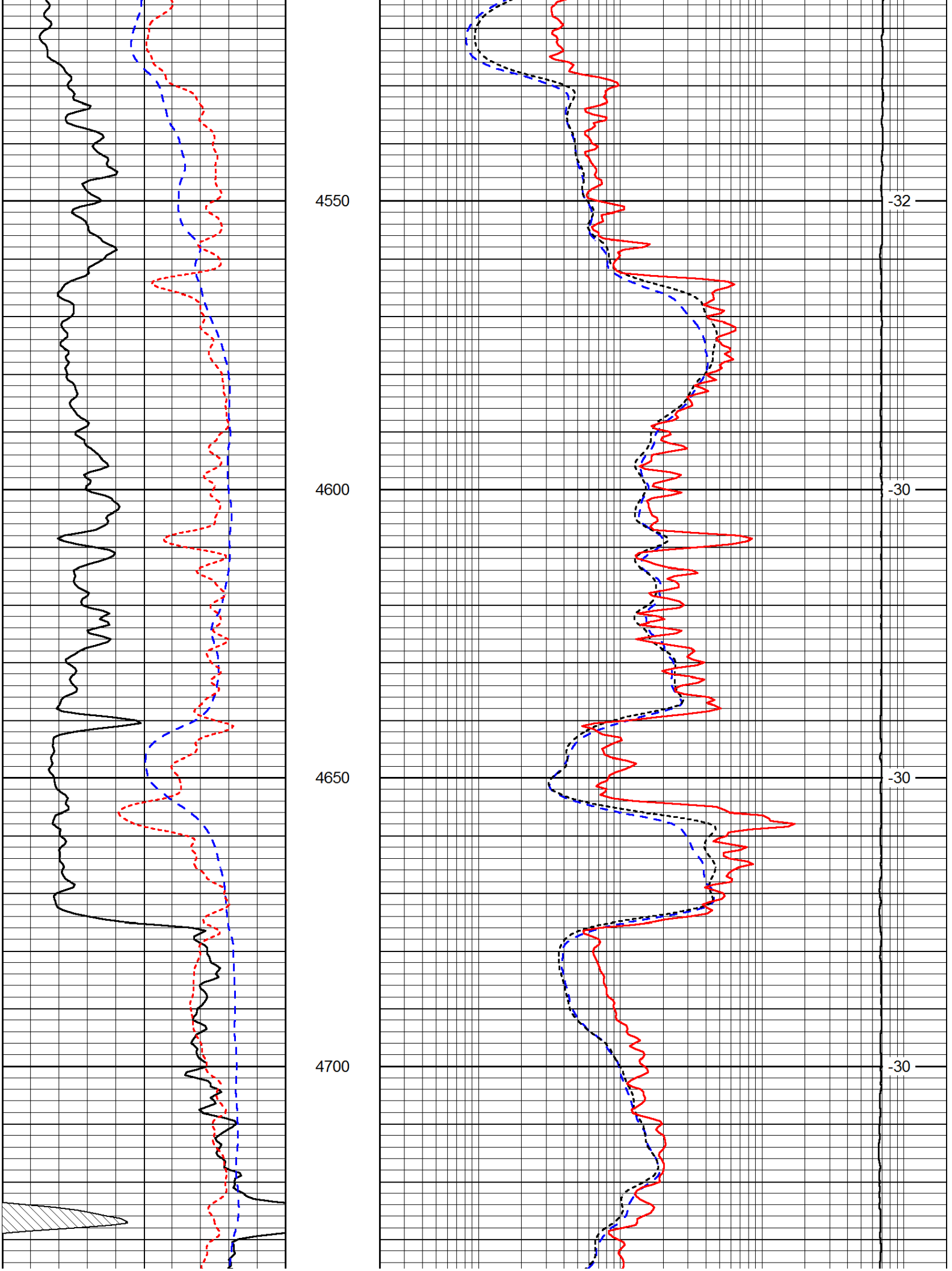

3450
3500
3550
3600
-35
-34
-35
-35

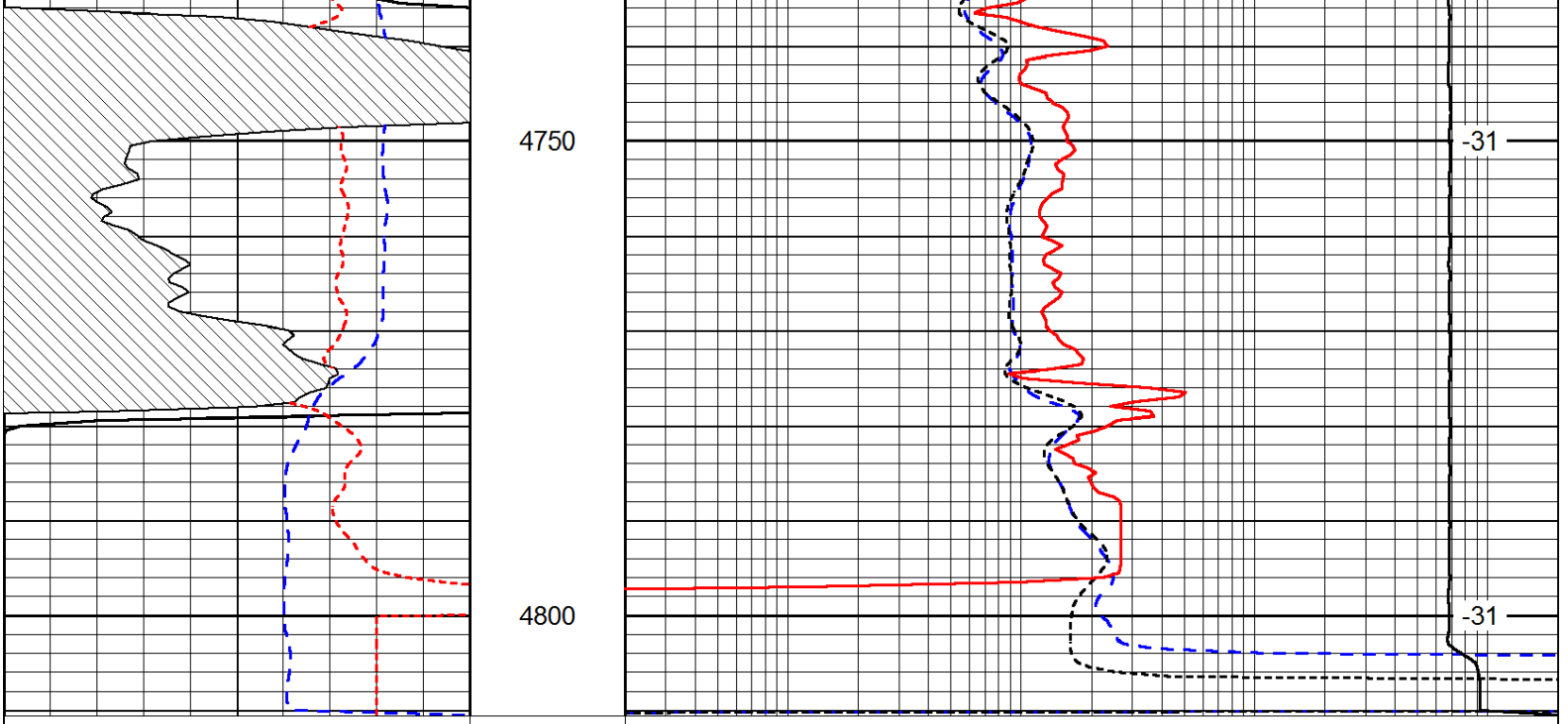

3650
3700
3750
3800
3850
-34
-34
-35
-34
-34


3900
3950
4000
4050
-34
-33
-34
-34


4100
4150
4200
4250
-33
-33
-34
-33


4300
4350
4400
4450
4500
-34
-34
-33
-33
-34


4550
4600
4650
4700
-32
-30
-30
-30




| | | |
|---|---|---|
| 0 | Gamma Ray | 150 |
| -200 | SP (mV) | 0 |
| -160 | RxoRt | 40 |

| | | |
|---|---|---|
| 0.2 | Deep Resistivity | 2000 |
| 0.2 | Medium Resistivity | 2000 |
| 0.2 | Shallow Resistivity | 2000 |
| 15000 | Line Tension | 0 |

LSPD