PIONEER

Pioneer Energy Services

Dual Induction Log

API No.	15-147-20,689-00-00
Company	Bach Oil Production
Well	Knape No. 3
Field	Wildcat
County	Phillips
State	Kansas
Location	2310' FSL & 1775' FWL
Sec:	13
Twp:	1 S
Rge:	19 W
Other Services	CNL/CDL MEL

Permanent Datum	Ground Level	Elevation 2138	
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum	
Drilling Measured From	Kelly Bushing		

Elevation	
K.B.	2143
D.F.	
G.L.	2138

Date	9/23/2012		
Run Number	One		
Depth Driller	3630		
Depth Logger	3632		
Bottom Logged Interval	3631		
Top Log Interval	200		
Casing Driller	8.625 @ 226		
Casing Logger	223		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity,ppm CL	1000		
Density / Viscosity	9.0 / 59		
pH / Fluid Loss	10.5 / 5.6		
Source of Sample	Flowline		
Rm @ Meas. Temp	2.10 @ 58		
Rmf @ Meas. Temp	1.58 @ 58		
Rmc @ Meas. Temp	2.84 @ 58		
Source of Rmf / Rmc	Charts		
Rm @ BHT	1.08 @ 112		
Operating Rig Time	4 Hours		
Max Rec. Temp. F	112		
Equipment Number	17		
Location	Hays		
Recorded By	D. Martin		
Witnessed By	Bob Peterson		

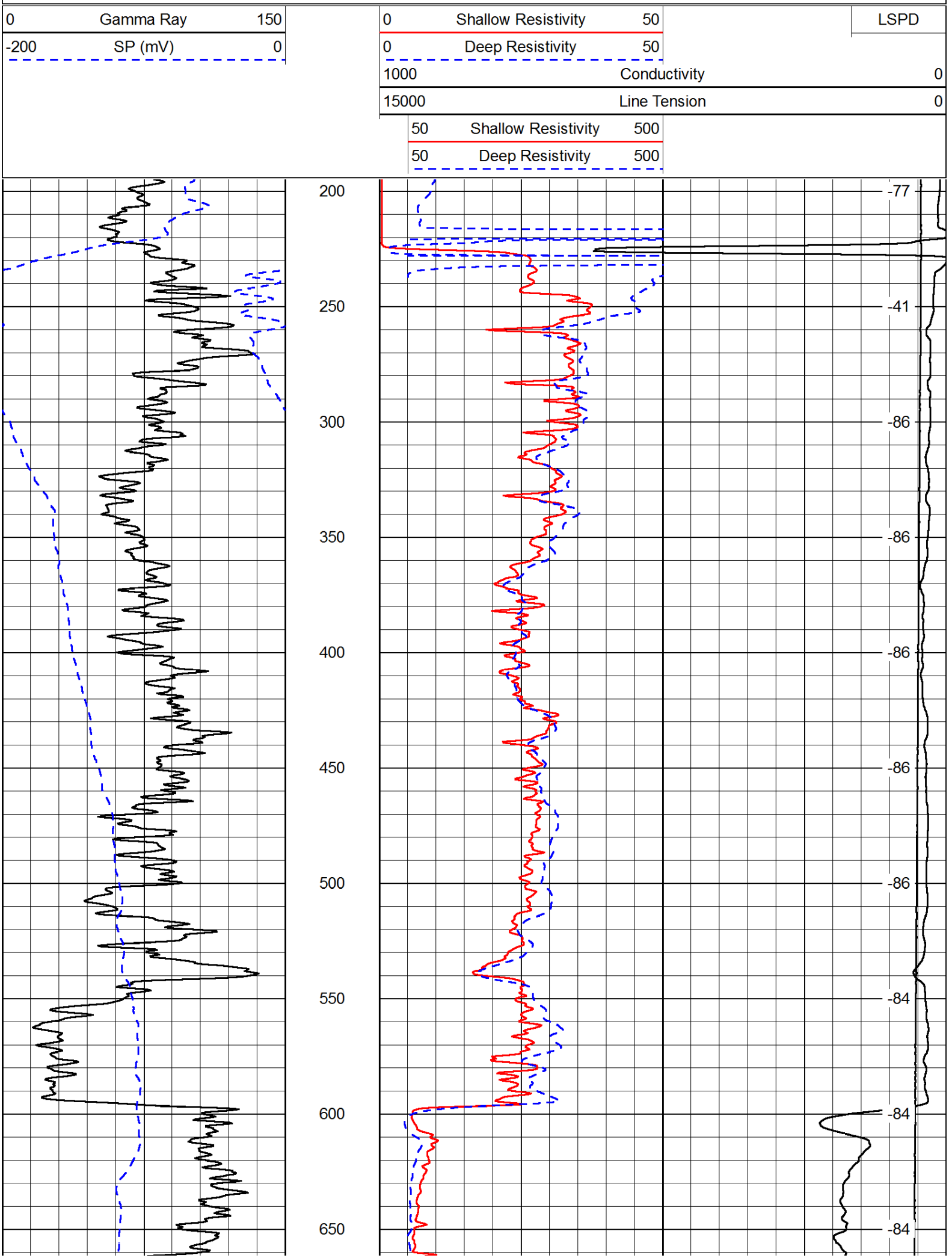
<<< Fold Here >>>

Comments

Thank you for using Pioneer Energy Services
www.pioneeres.com
785 625 3858

Phillipsburg, KS
N to 183/383 Junction,
3 W to 500 Rd., 2 S, E Into

Database File:	c:\warrior\data\bach_knape no. 3\bachd.db
Dataset Pathname:	DIL/bacstk
Presentation Format:	dil2in
Dataset Creation:	Sun Sep 23 08:37:07 2012
Charted by:	Depth in Feet scaled 1:600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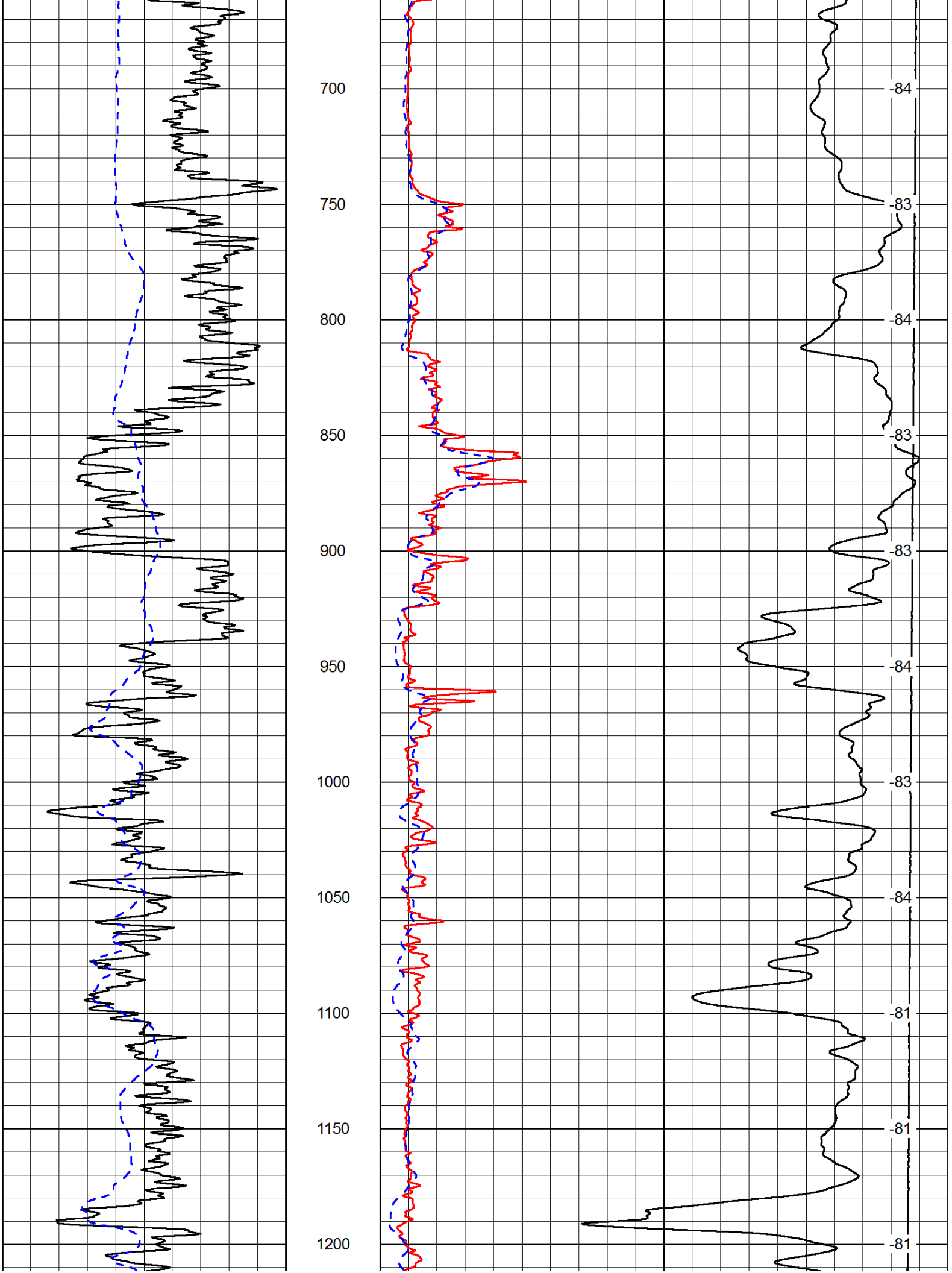
-200 SP (mV) 0
0 Shallow Resistivity 50
0 Deep Resistivity 50
1000 Conductivity 0
15000 Line Tension 0
50 Shallow Resistivity 500
50 Deep Resistivity 500
LSPD
200
250
300
350
400
450
500
550
600
650
-77
-41
-86
-86
-86
-86
-86
-84
-84
-84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800
850
900
950
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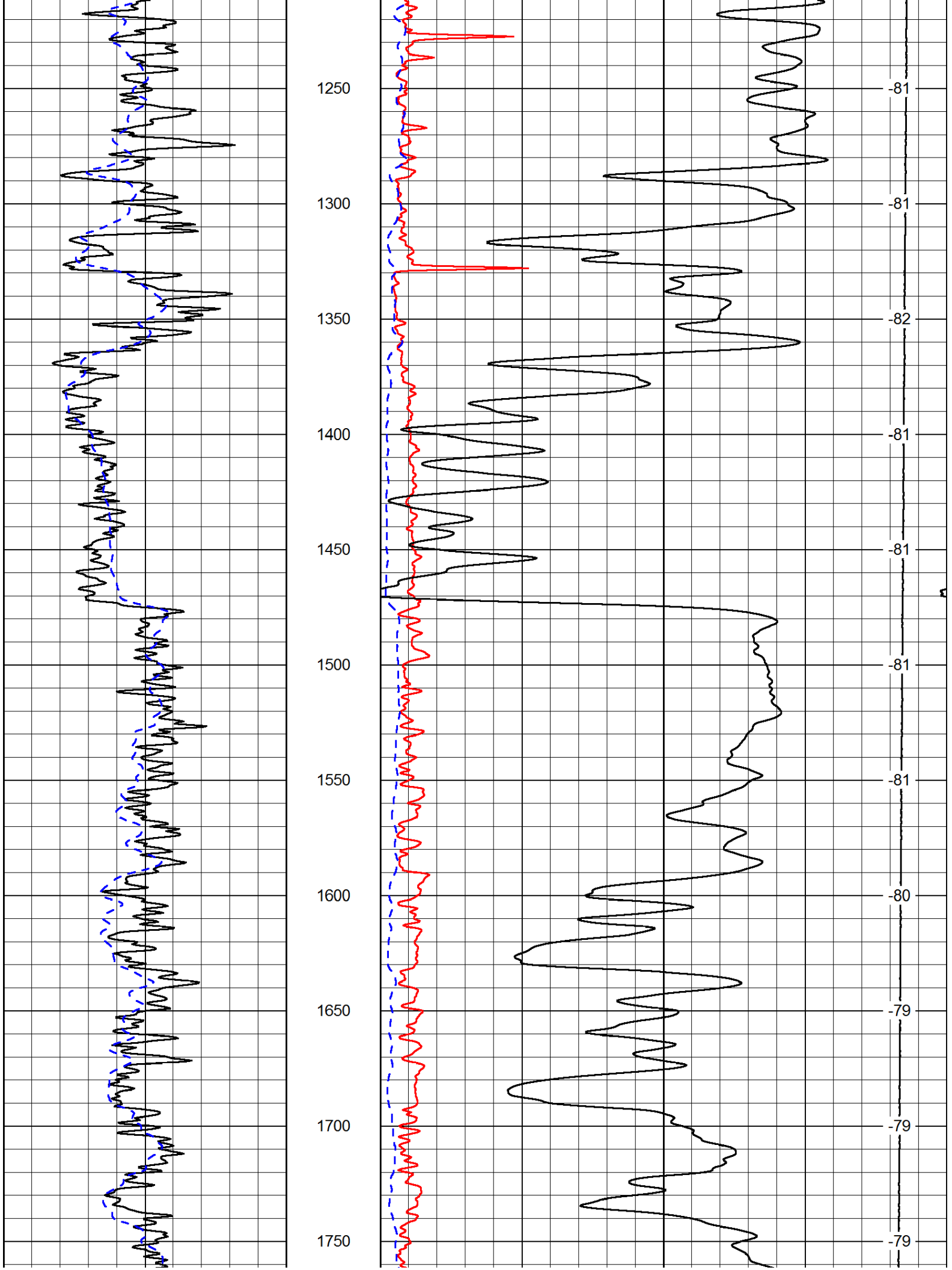
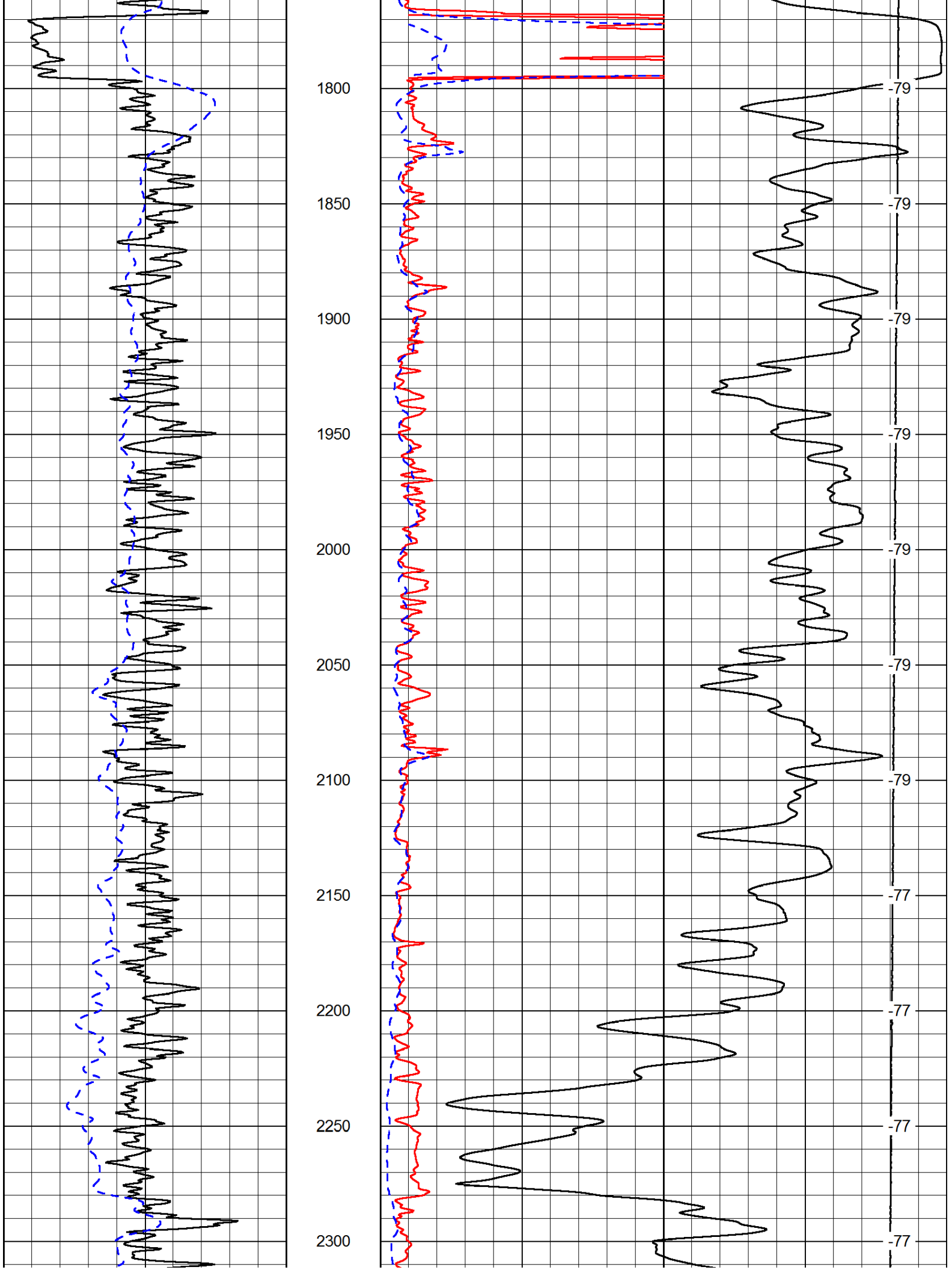
-83
-84
-81
-81
-81


1250
1300
1350
1400
1450
1500
1550
1600
1650
1700
1750
-81
-81
-82
-81
-81
-81
-81
-80
-79
-79
-79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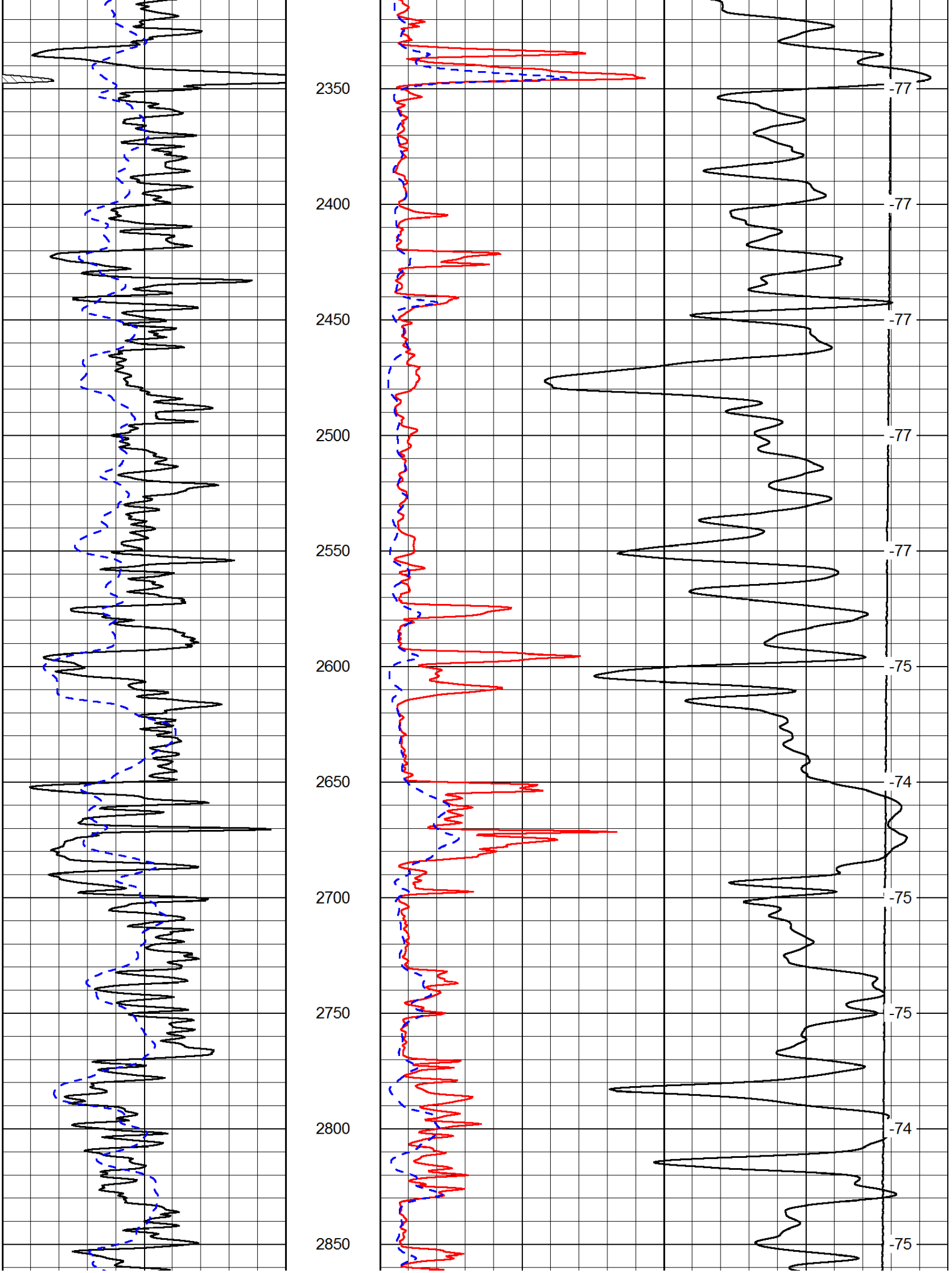
1850
1900
1950
2000
2050
2100
2150
2200
2250
2300
-79
-79
-79
-79
-79
-79
-77
-77
-77
-77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2400
2450
2500
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2600
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2800
2850
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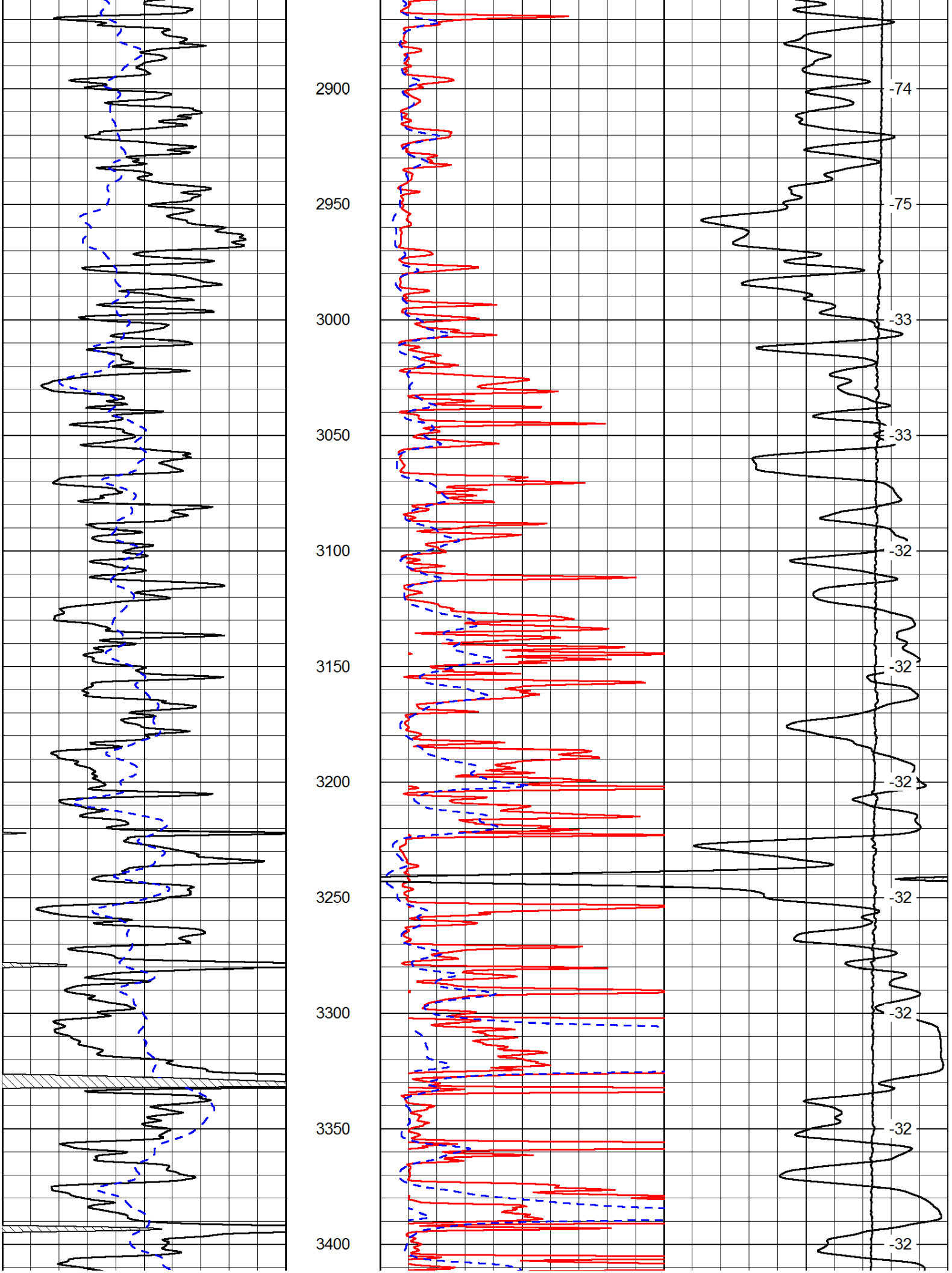
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2950
3000
3050
3100
3150
3200
3250
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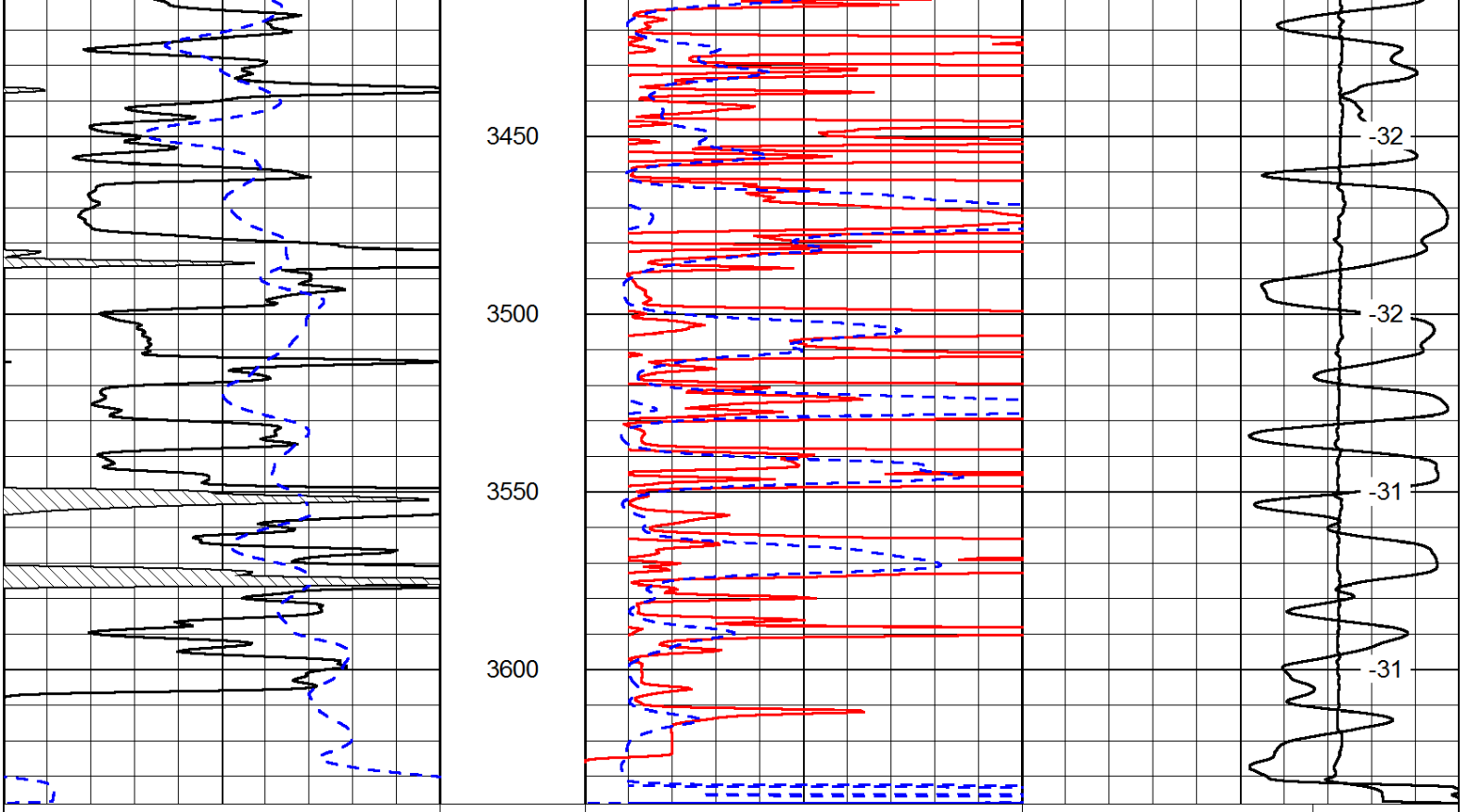
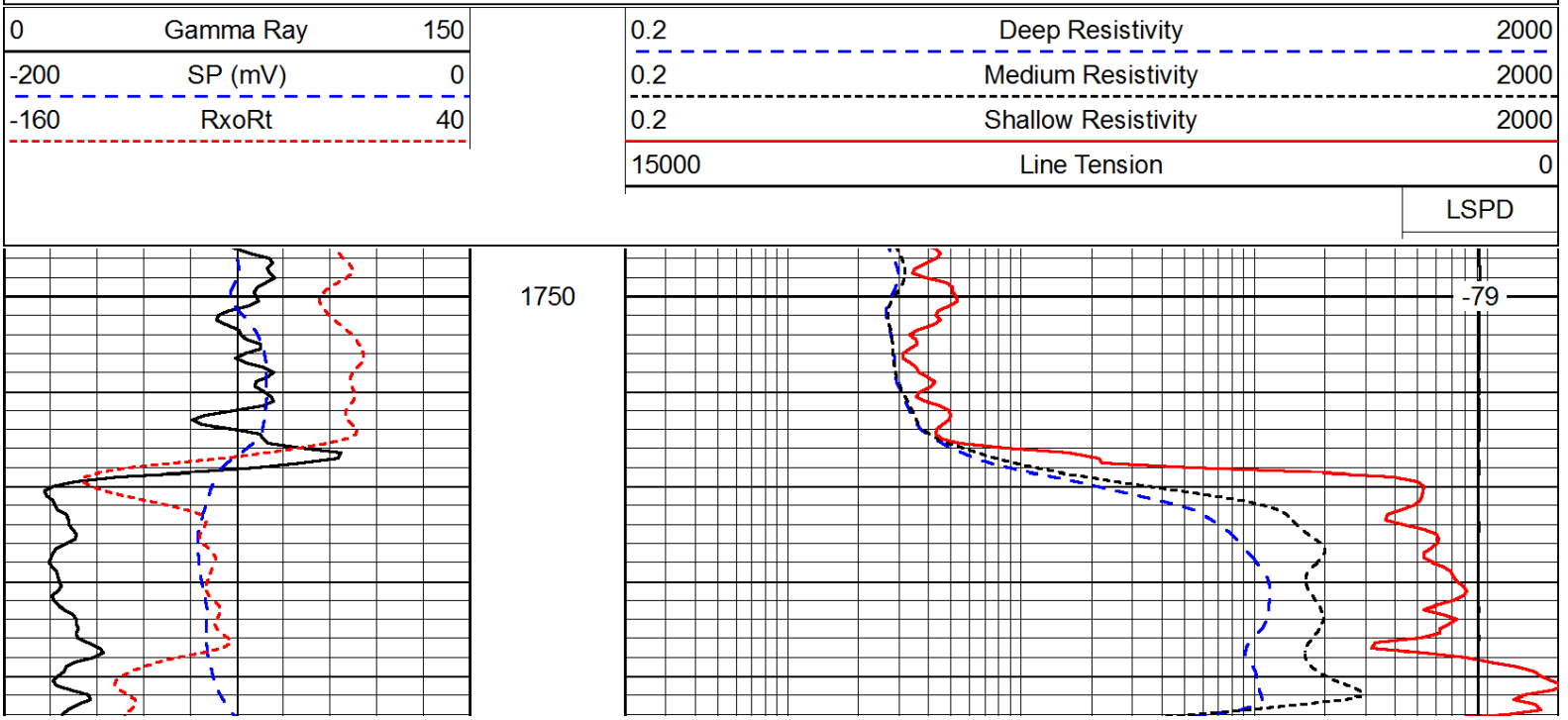
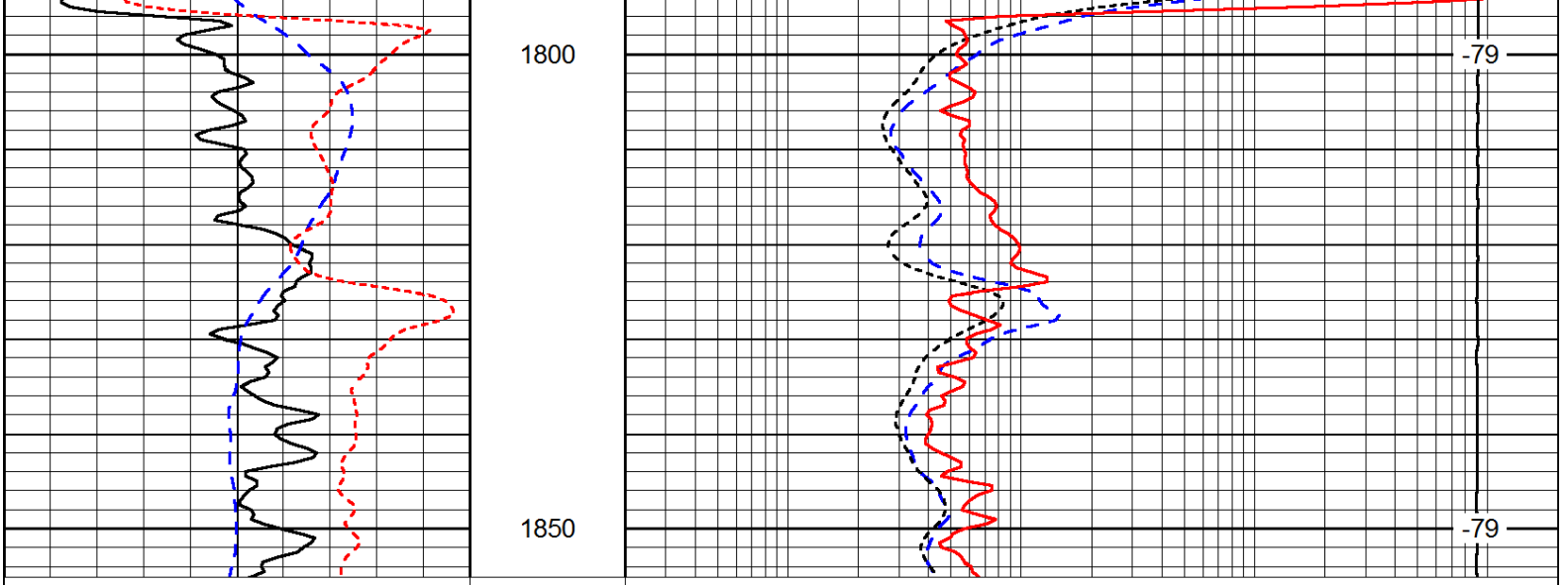
3350
3400
-74
-75
-33
-33
-32
-32
-32
-32
-32
-32
-32



Database File: c:\warrior\data\bach_knape no. 3\bachd.db
Dataset Pathname: DIL/bacstk
Presentation Format: dil
Dataset Creation: Sun Sep 23 08:37:07 2012
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	

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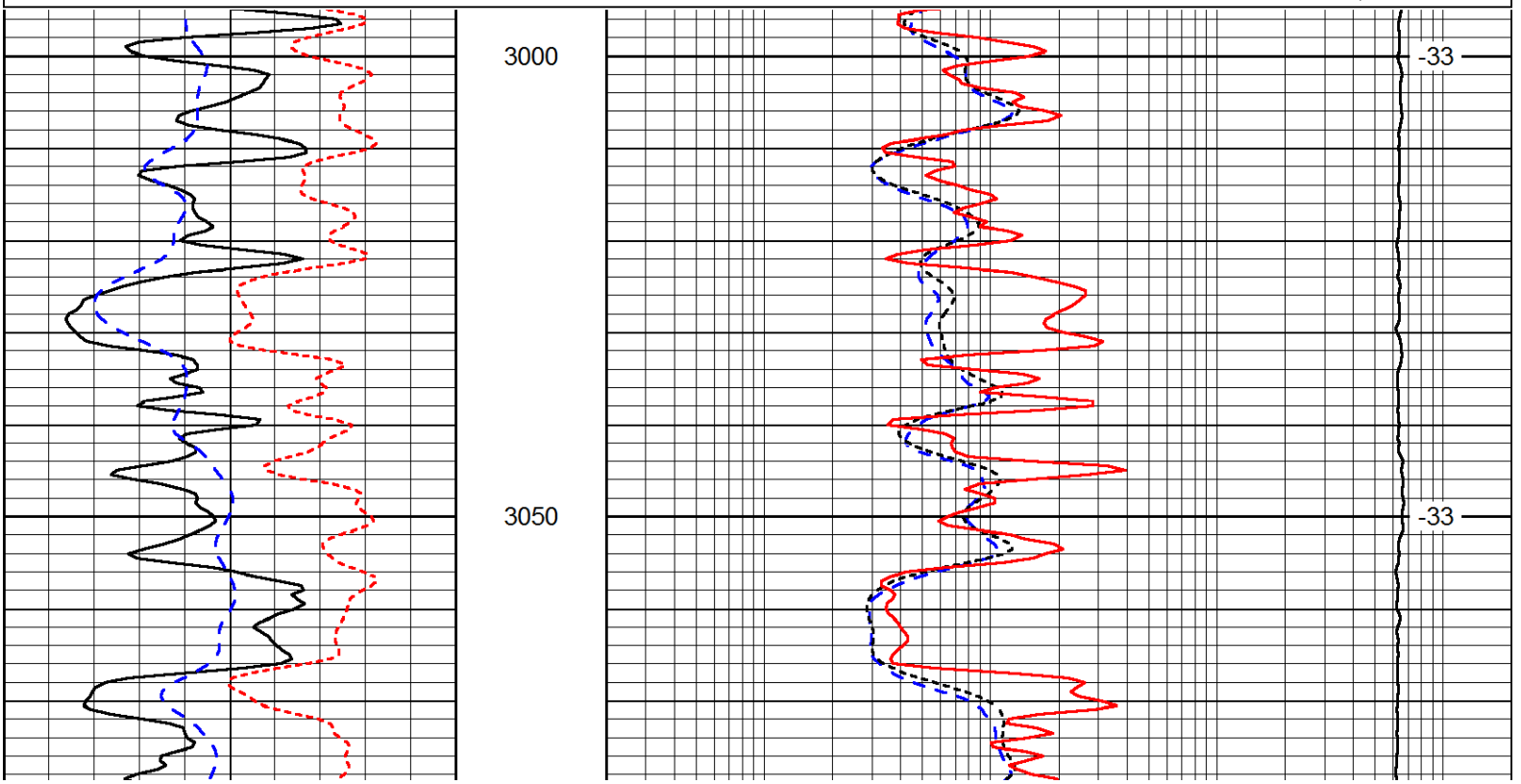

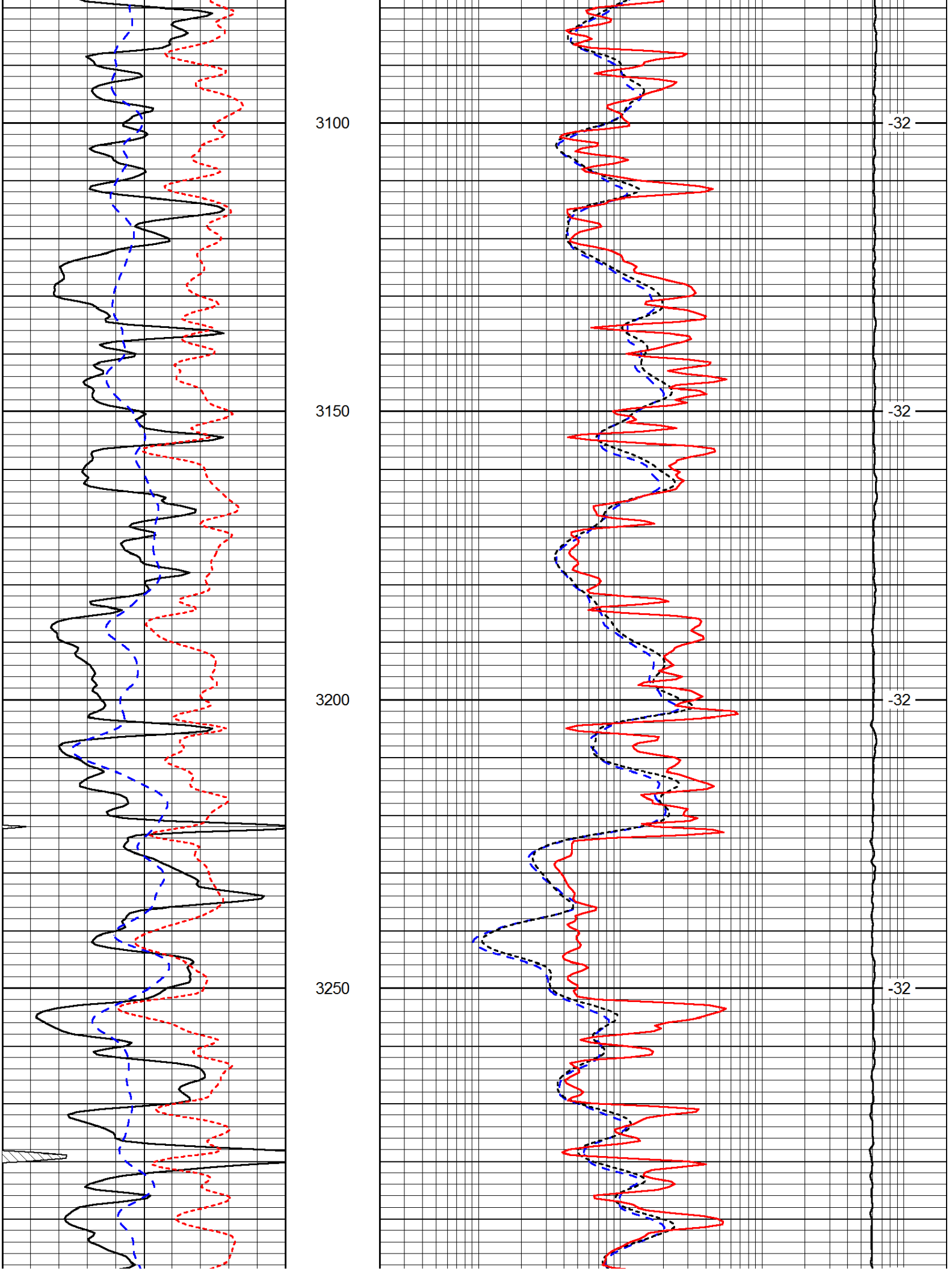
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3150
3200
3250
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-32
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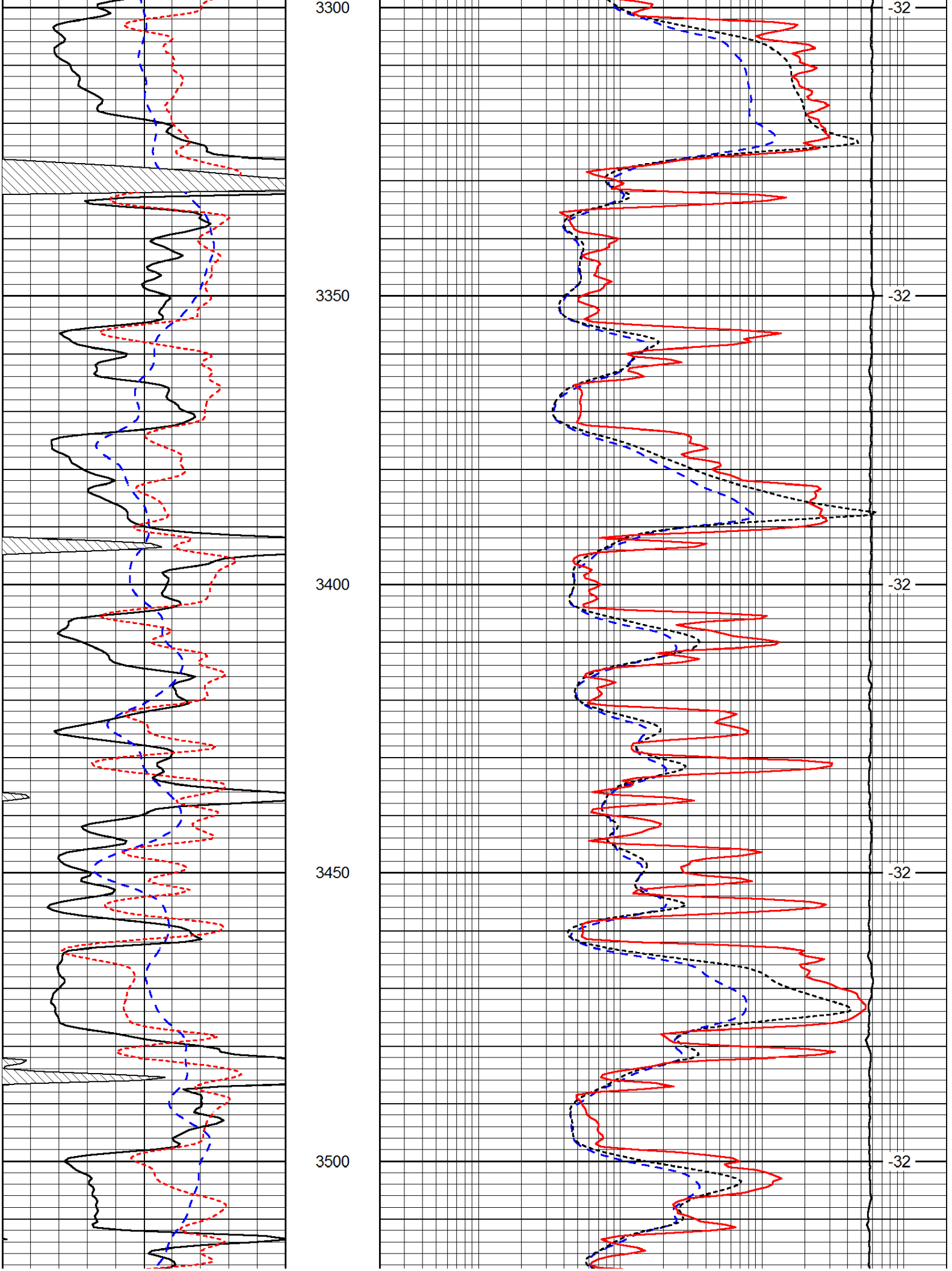
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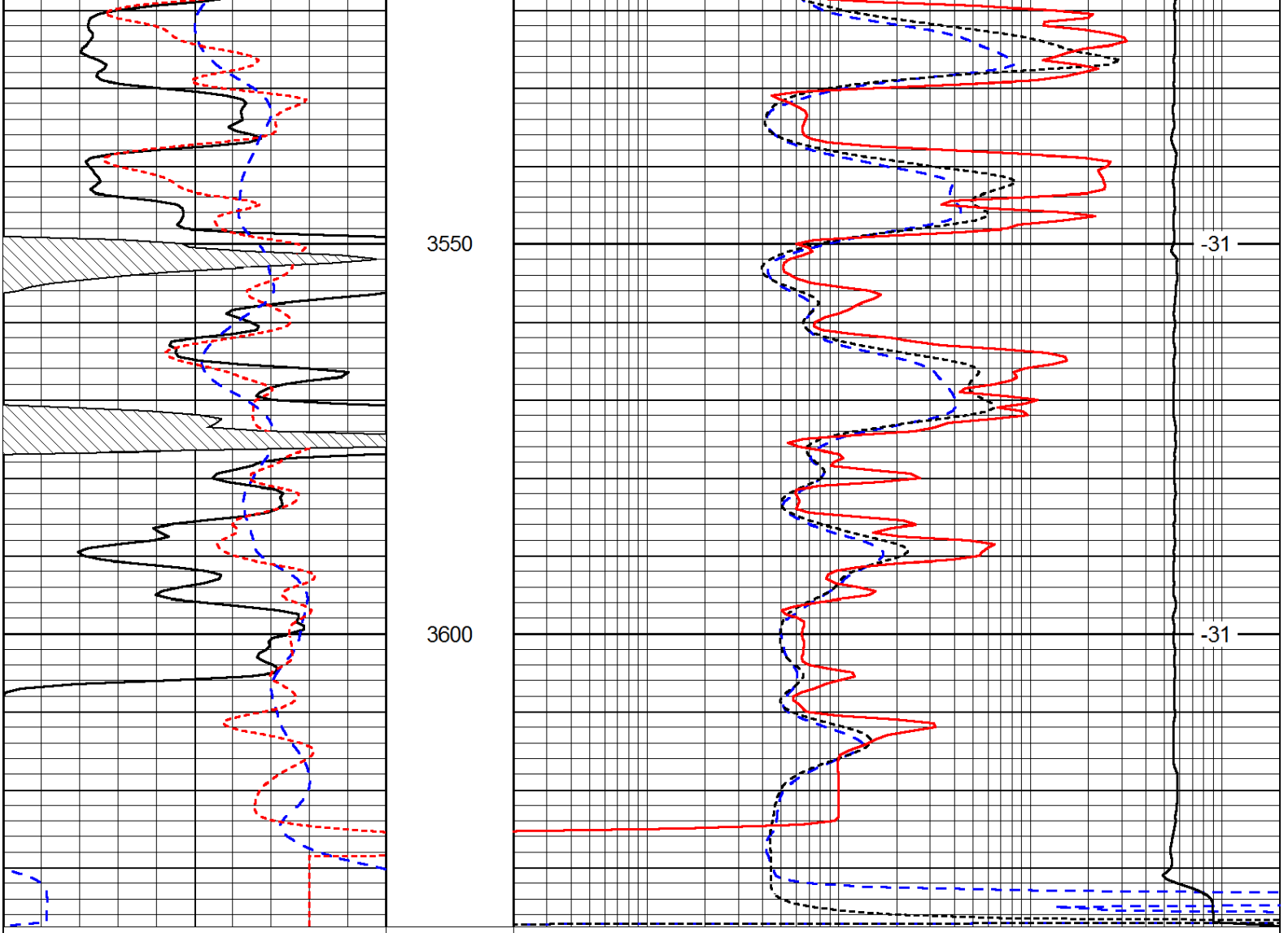

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LSPD