



DUAL INDUCTION LOG

Company **BECKER OIL CORPORATION**
Well **LADENBURGER NO. 1**
Field **WILDCAT**
County **THOMAS** State **KANSAS**

Location: API #: 15-193-20,952-00-00

Other Services

SEC 36 TWP 10S RGE 31W
2,200' FSL & 805' FWL

CNL/CDL
MEL

Permanent Datum **GROUND LEVEL** Elevation **2895**
Log Measured From **KELLY BUSHING**
Drilling Measured From **KELLY BUSHING**

Elevation
K.B. 2900
D.F. N/A
G.L. 2895

Date 6/21/2015

Run Number	ONE		
Depth Driller	4575		
Depth Logger	4576		
Bottom Logged Interval	4575		
Top Log Interval	200		
Casing Driller	8,625 @ 217		
Casing Logger	216		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL		
Salinity, ppm CL	3400		
Density / Viscosity	9.2 67		
pH / Fluid Loss	10.5 8.8		
Source of Sample	Flowline		
Rm @ Meas. Temp	.90 @ 84		
Rmt @ Meas. Temp	.68 @ 84		
Rmc @ Meas. Temp	1.22 @ 84		
Source of Rmt / Rmc	Charts		
Rm @ BHT	.62 @ 122		
Operating Rig Time	3 1/2 HOURS		
Max Rec. Temp. F	122		
Equipment Number	108		
Location	Hays		
Recorded By	J. LONG	D. FISCHER	
Witnessed By	CLYDE M. BECKER JR.		

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All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not 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.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

I-70 & CAMPUS EXIT, NORTH TO CORRECTION CURVE, 1/2 NORTH, EAST INTO

Log Measured From: KELLY BUSHING 5 Ft. Above Permanent Datum

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www.pioneerenergy.com 785-625-3858

Your Pioneer Energy Services Crew

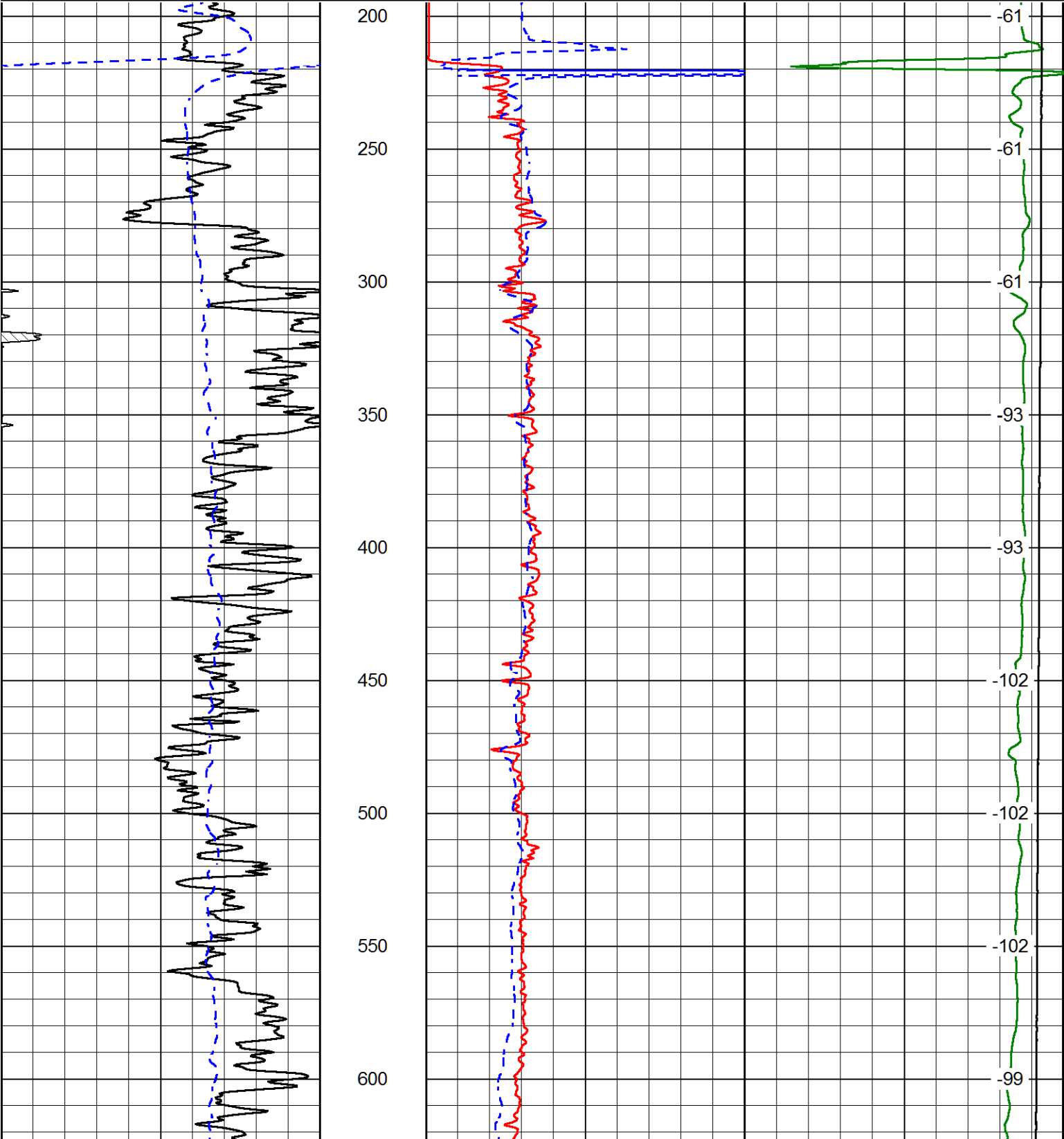
Engineer: J. LONG
Operator: D. FISCHER
Operator:
Operator:

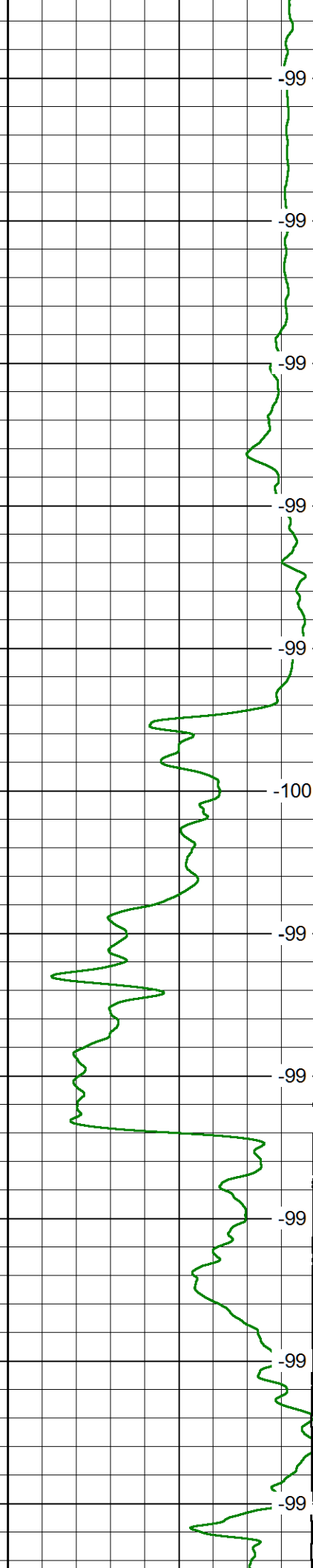
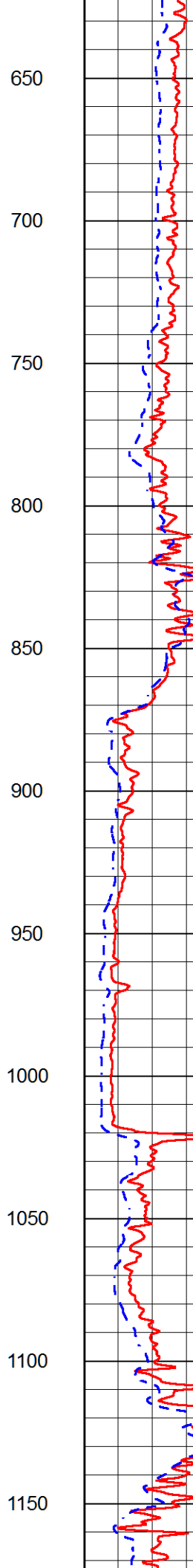
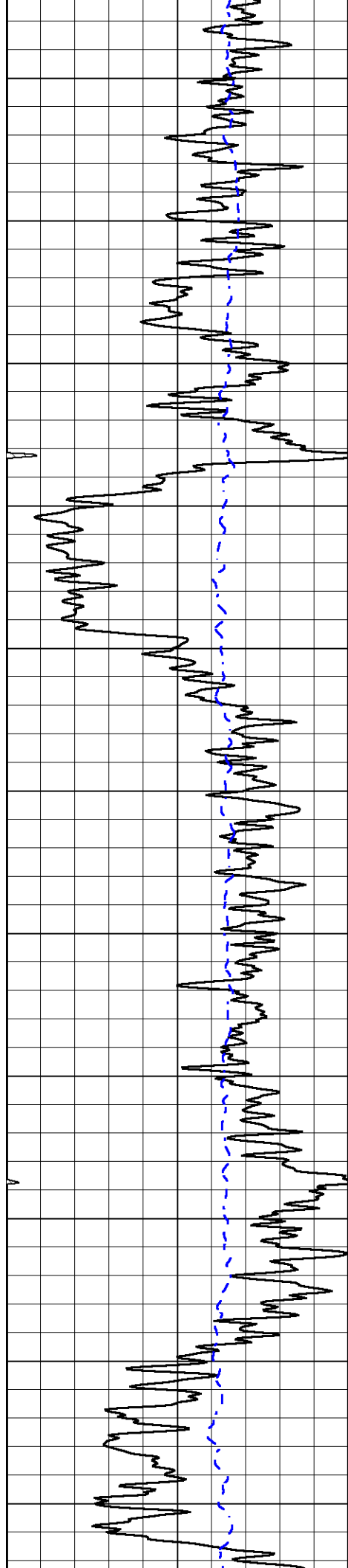
This Log Record Was Witnessed By

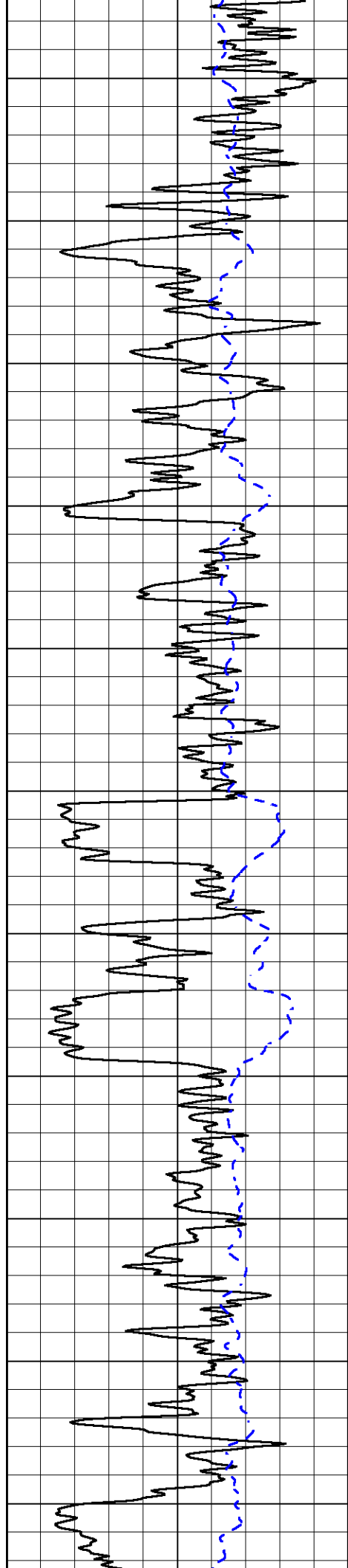
Primary Witness: CLYDE M. BECKER JR.
Secondary Witness:
Secondary Witness:
Secondary Witness:

Database File	beckeroil_ladenburger_1hd.db
Dataset Pathname	DIL/beckstck
Presentation Format	dil2in
Dataset Creation	Sun Jun 21 05:32:22 2015
Charted by	Depth in Feet scaled 1:600

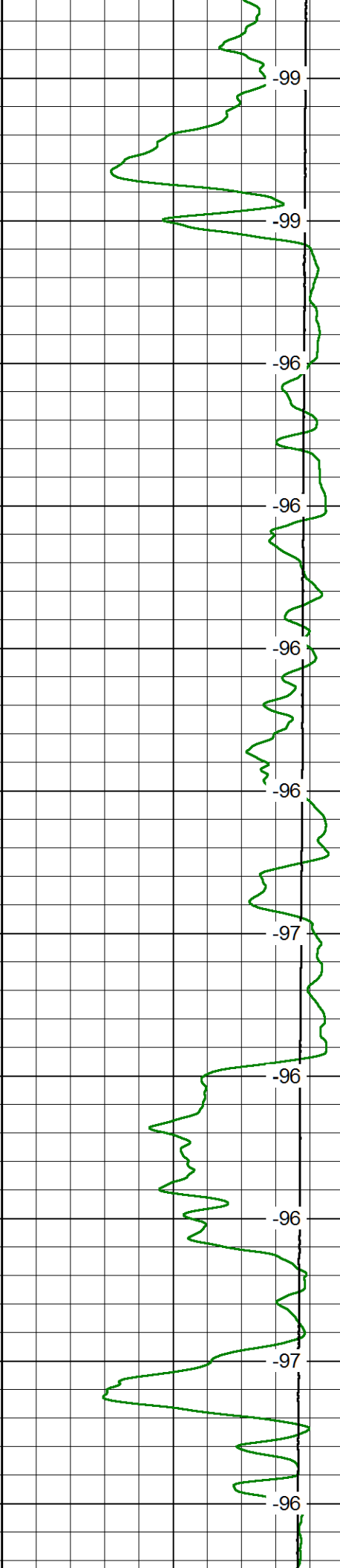
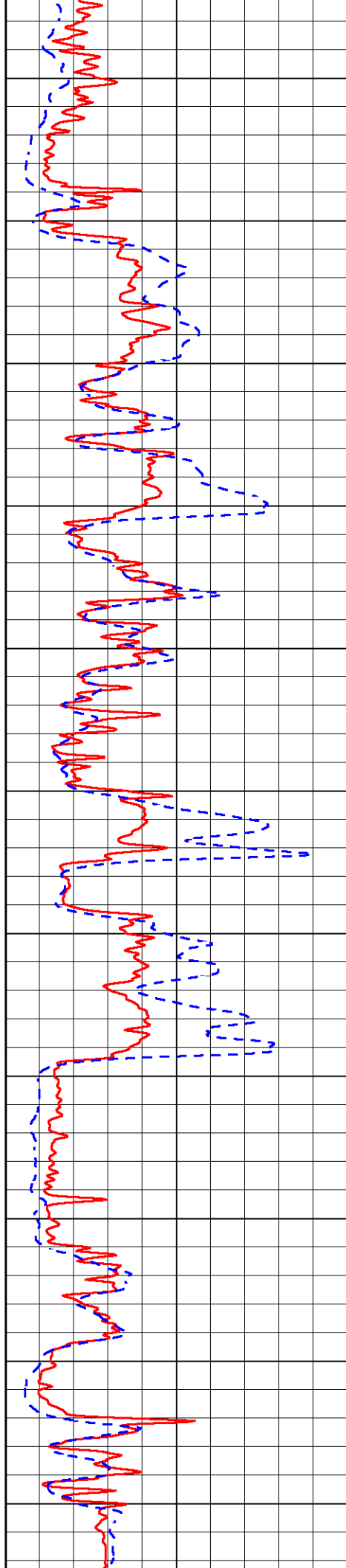
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-200	SP (mV)	0	15000	Line Tension	0
			0	Shallow Resistivity	50
			0	Deep Resistivity	50
			50	Shallow Resistivity	500
			50	Deep Resistivity	500
			LSPD		



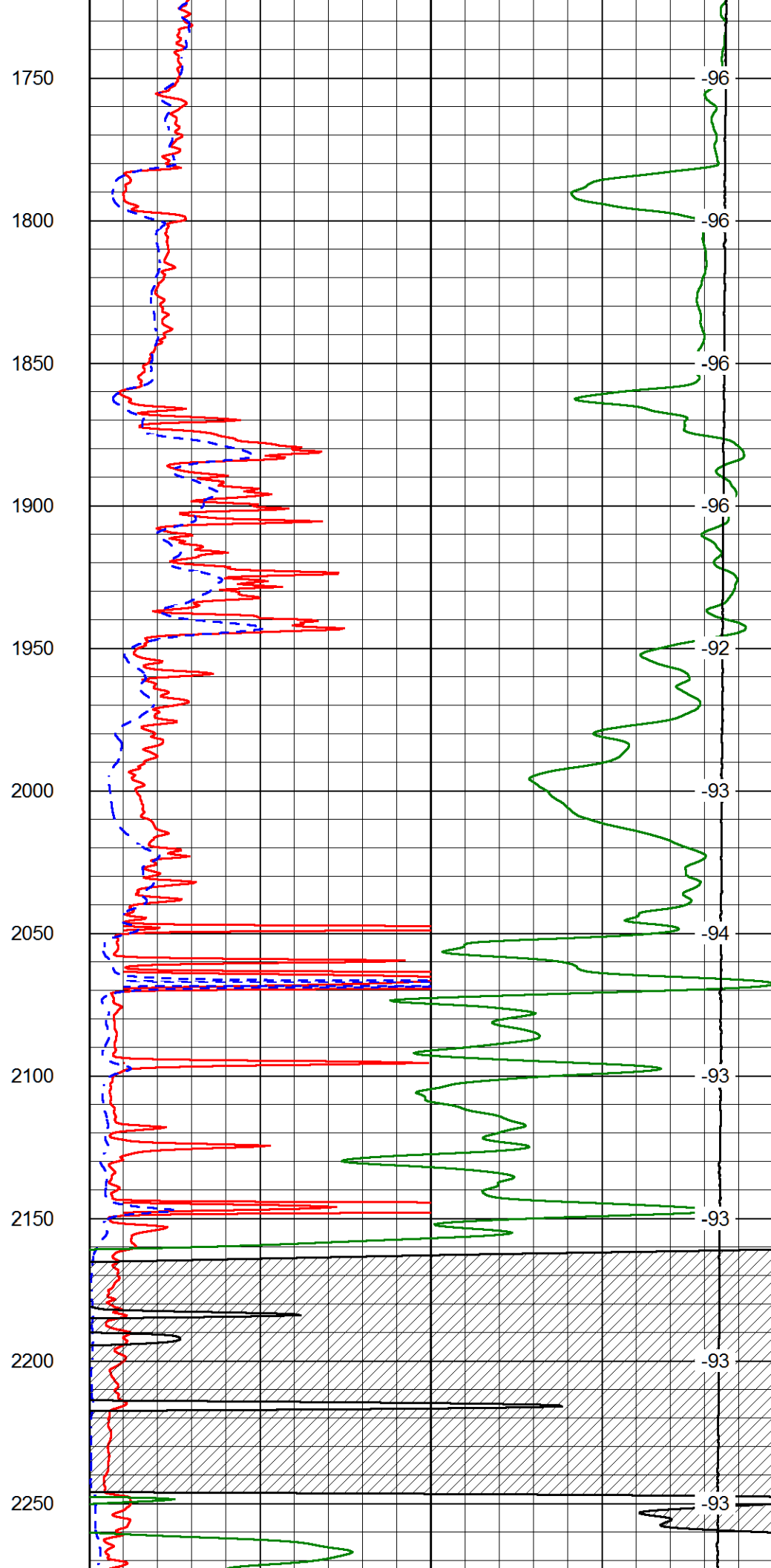
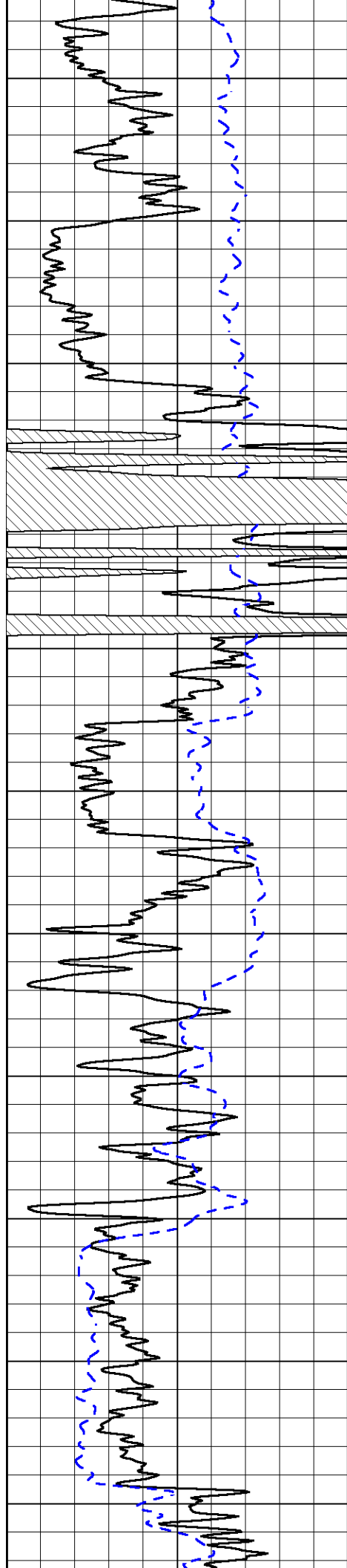


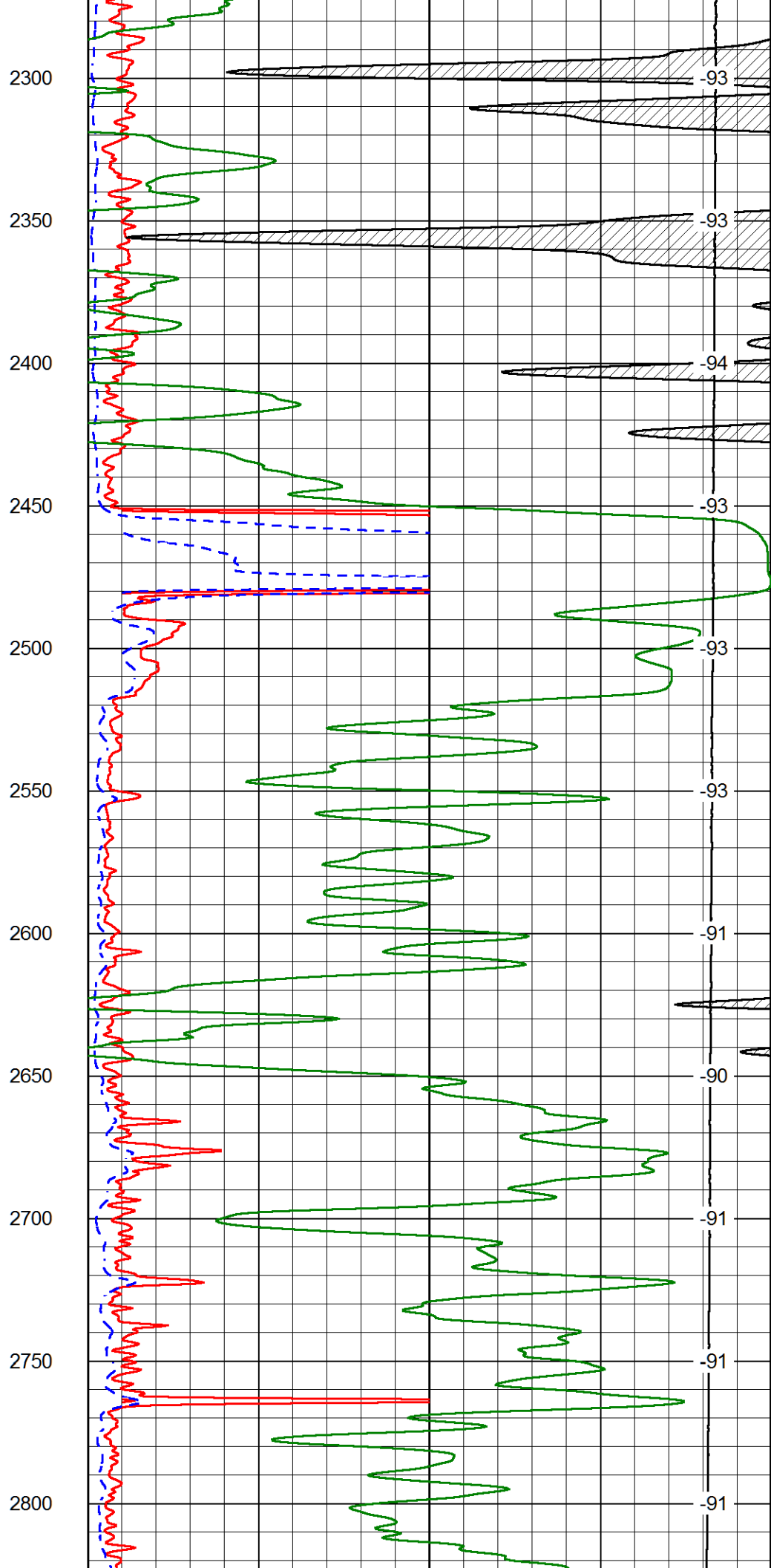
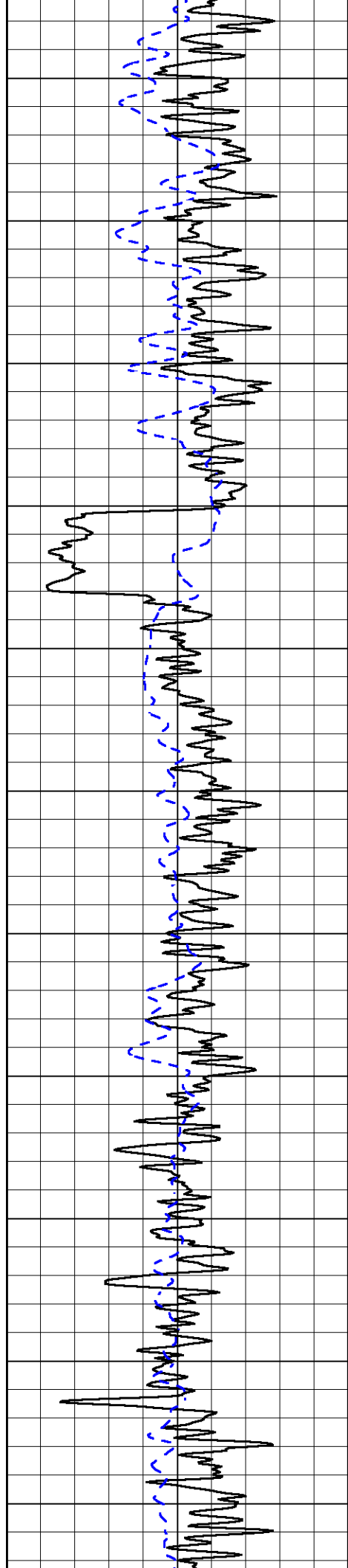


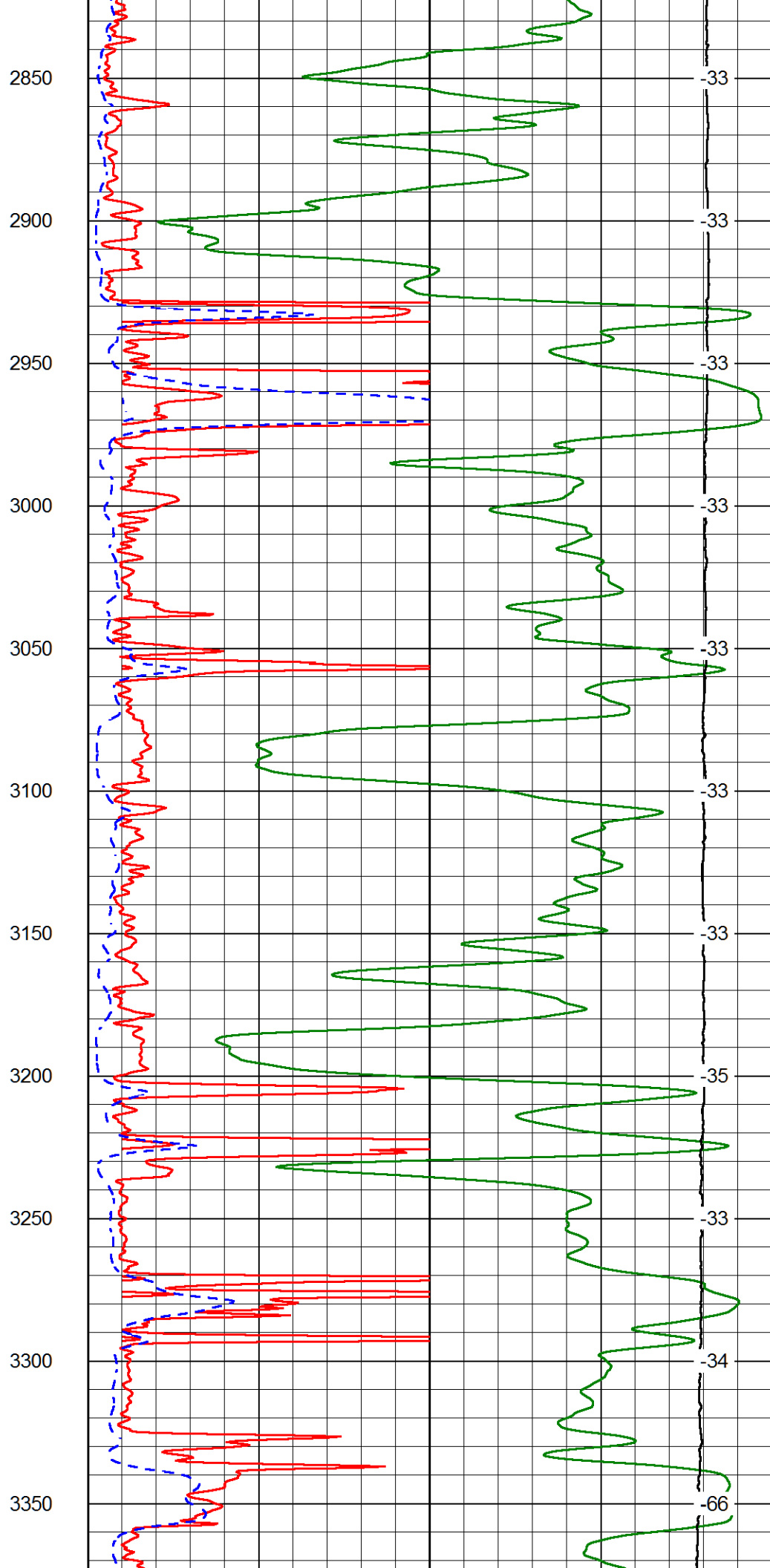
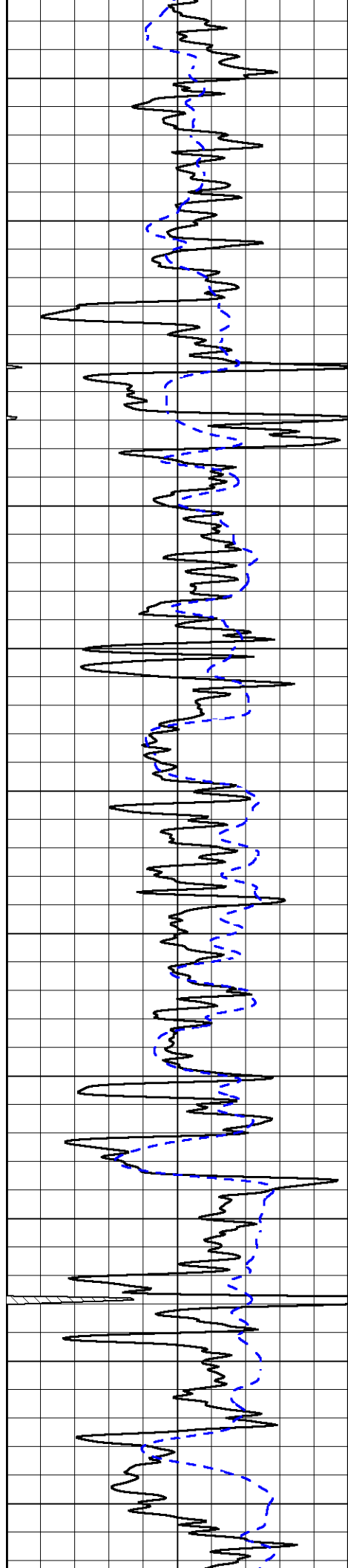
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1300
1350
1400
1450
1500
1550
1600
1650
1700

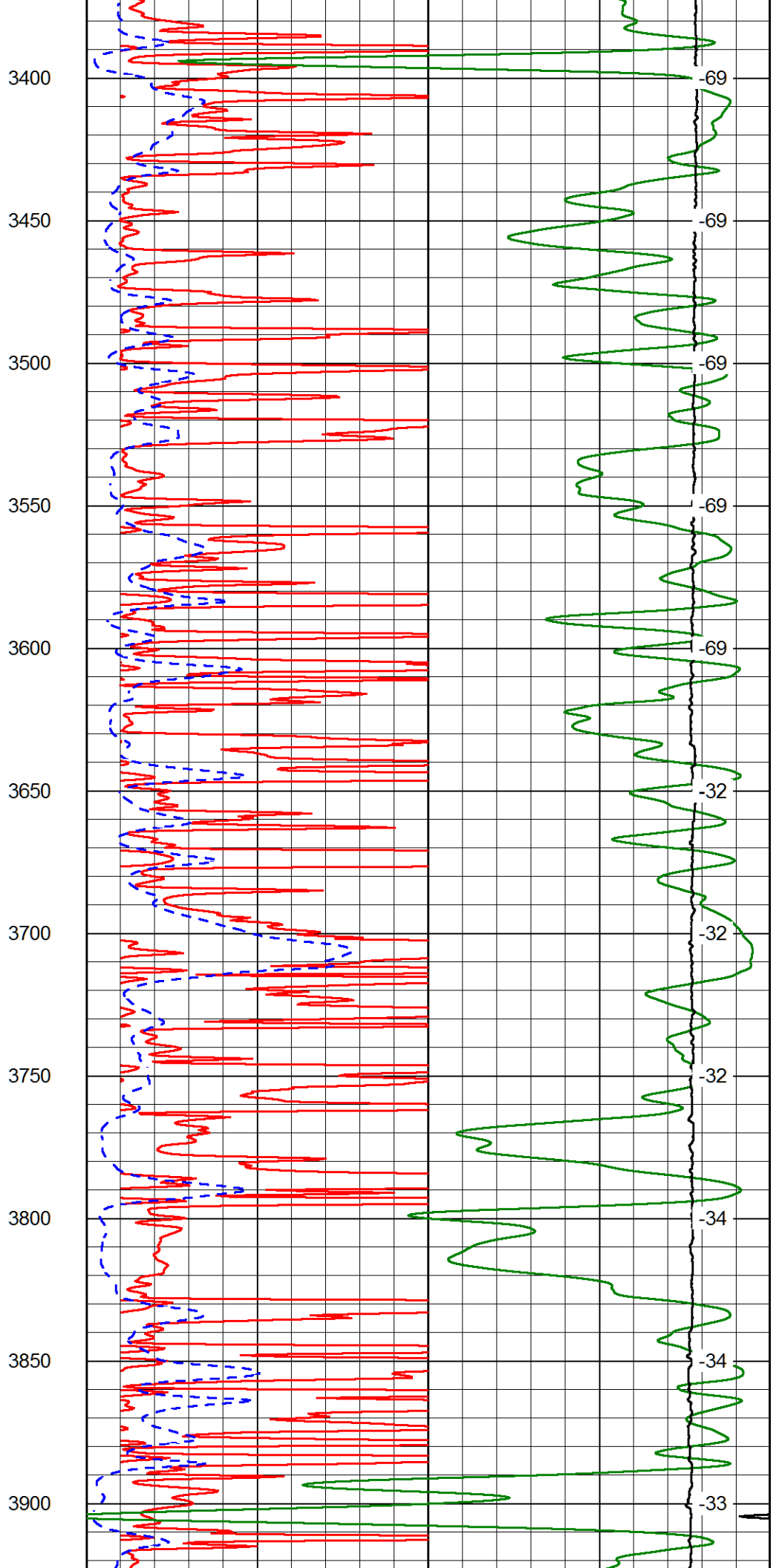
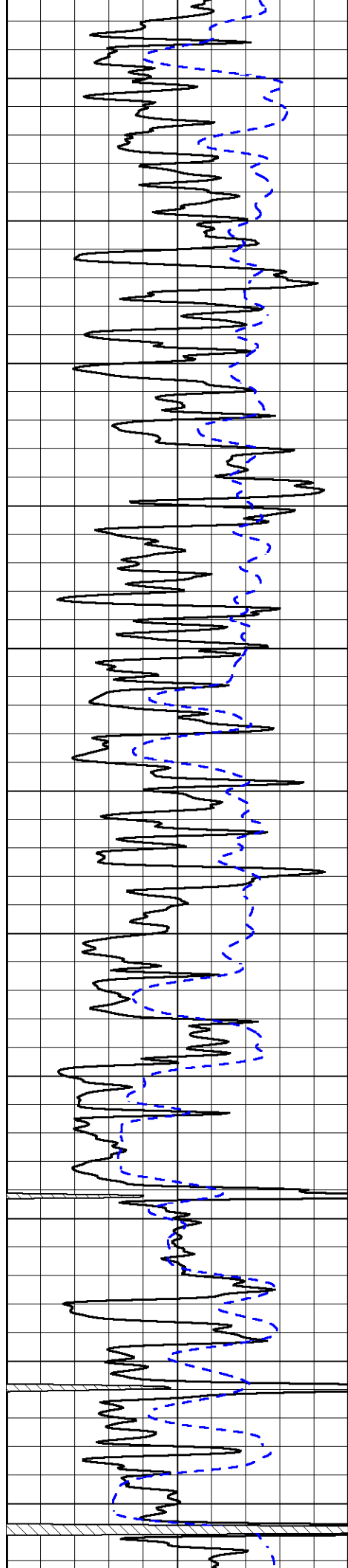


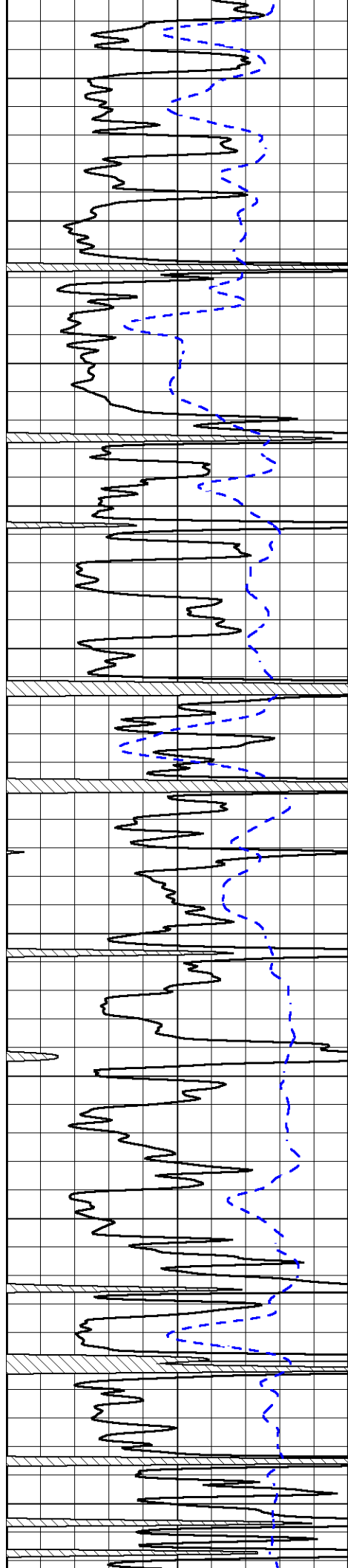
-99
-99
-96
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-96











3950

4000

4050

4100

4150

4200

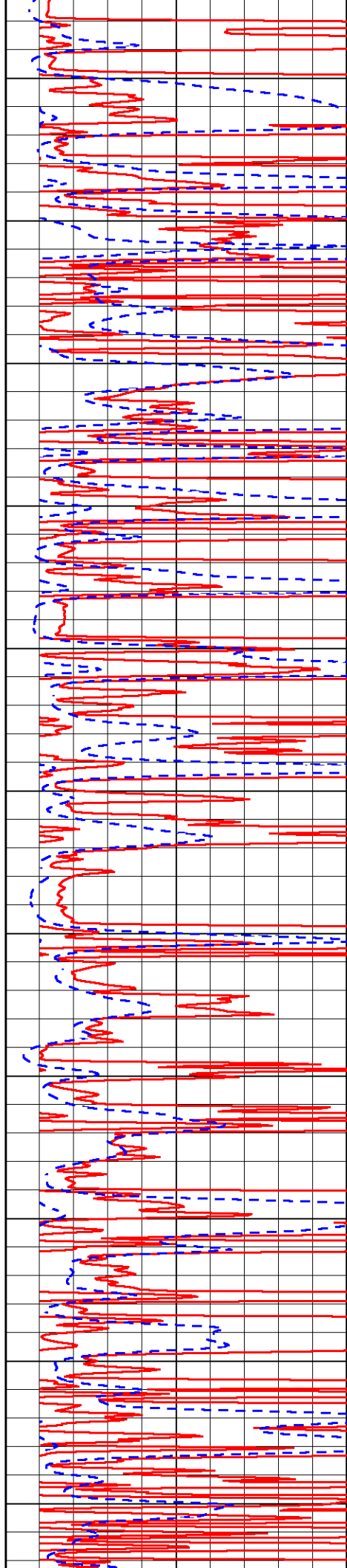
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4300

4350

4400

4450



-33

-33

-33

-33

-31

-31

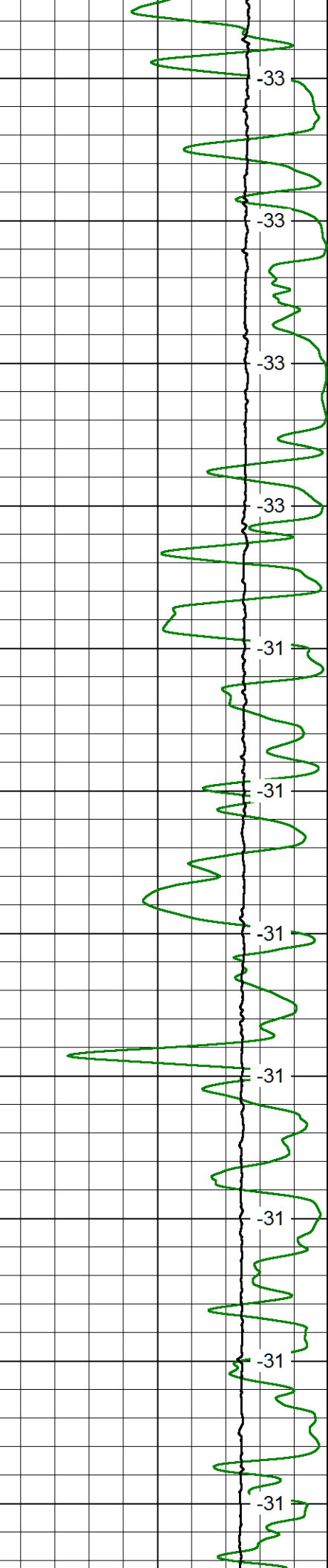
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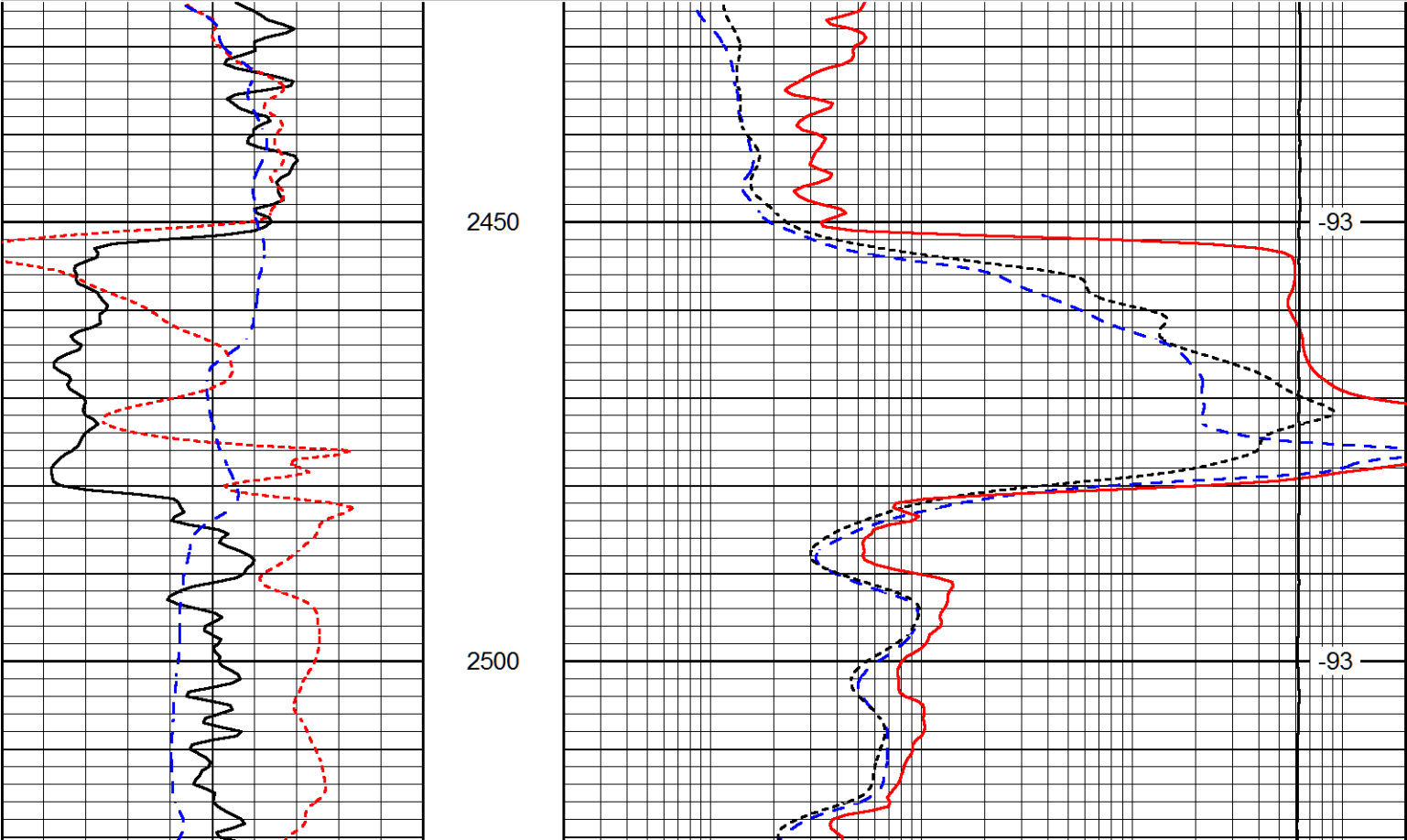
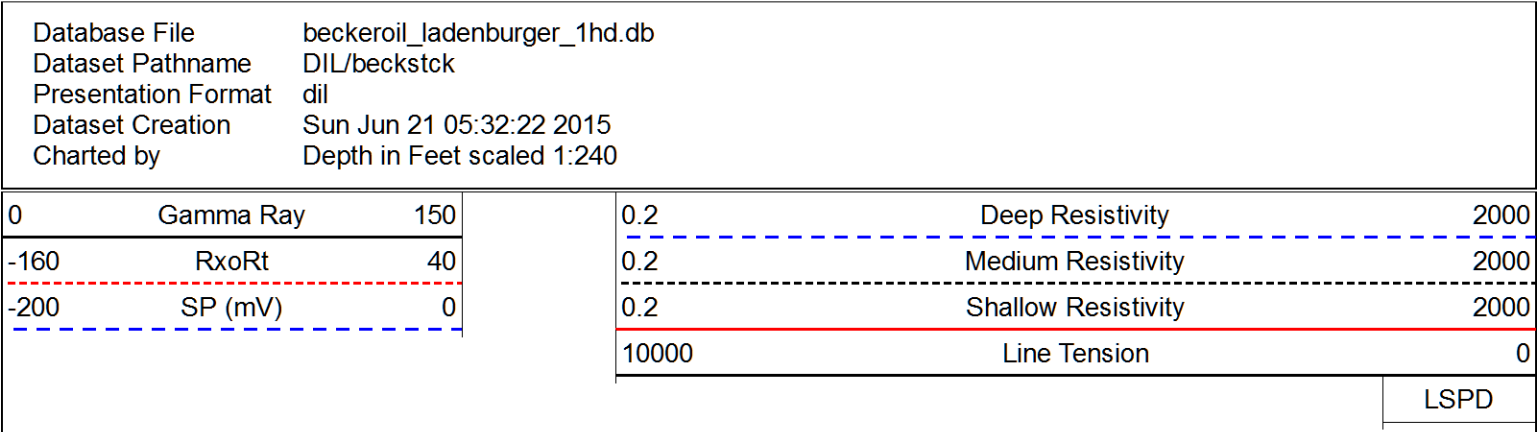
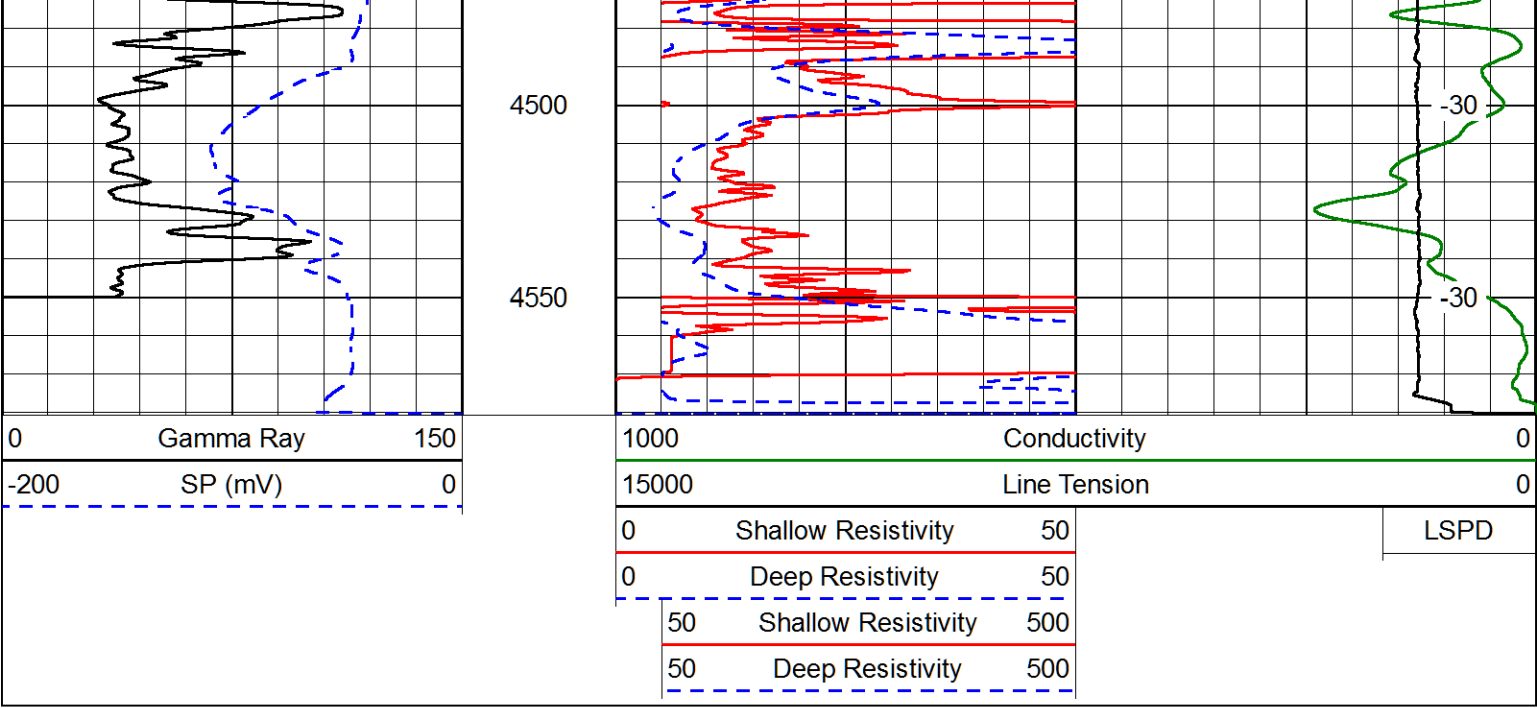
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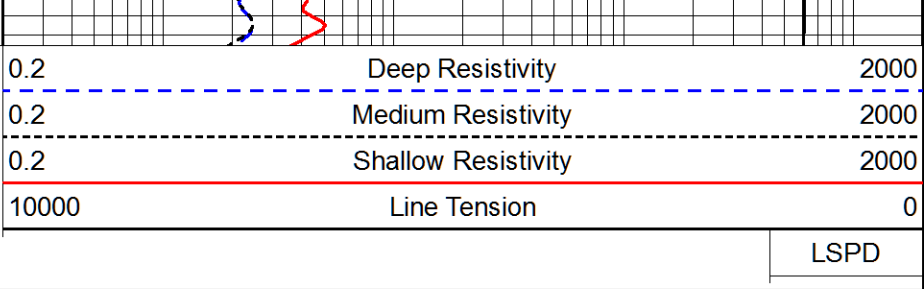
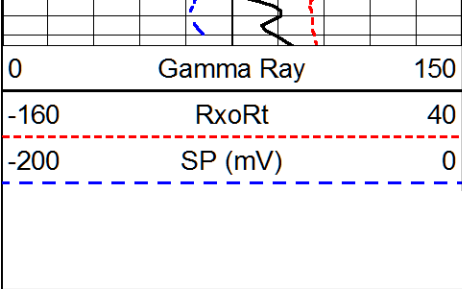
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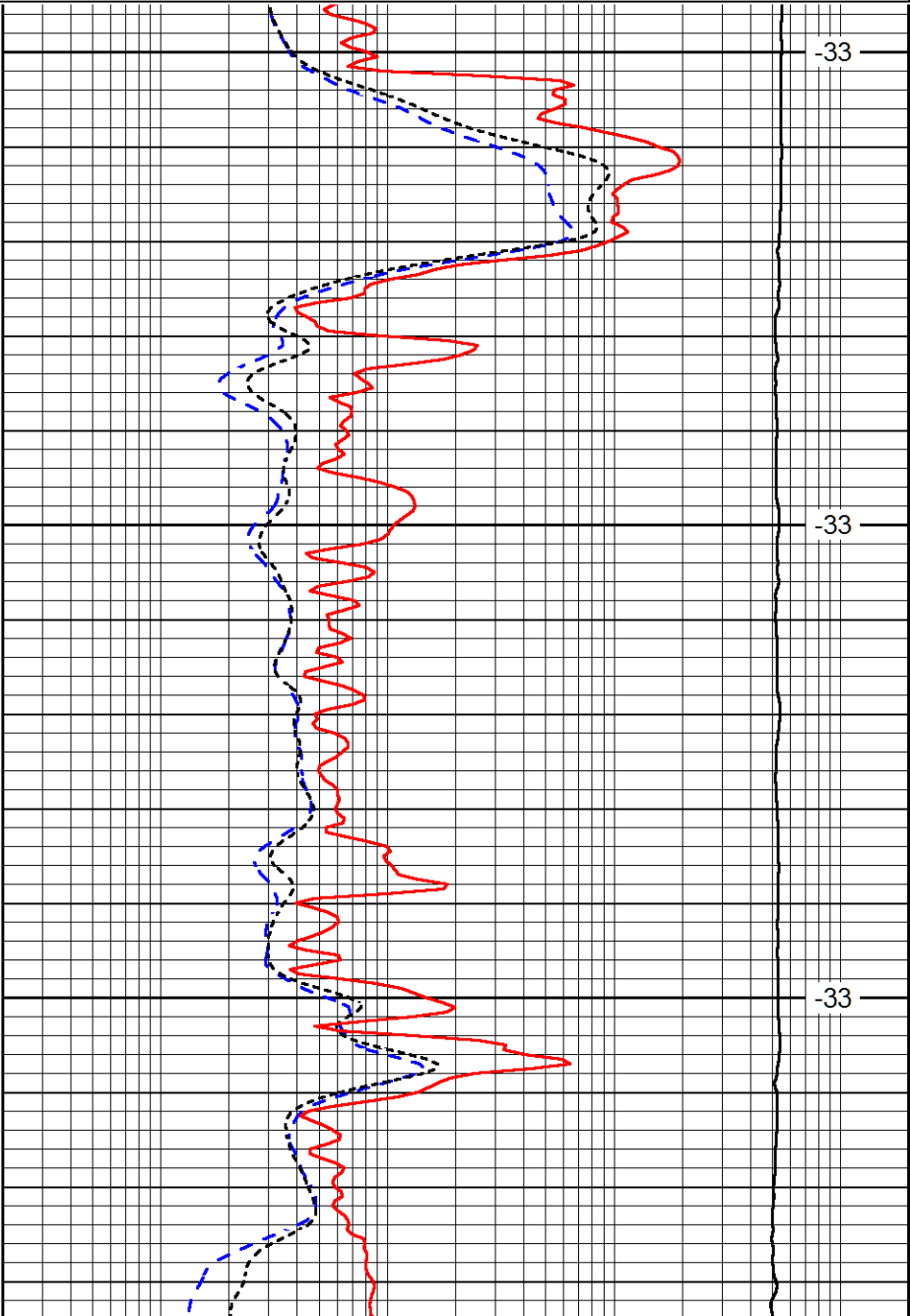
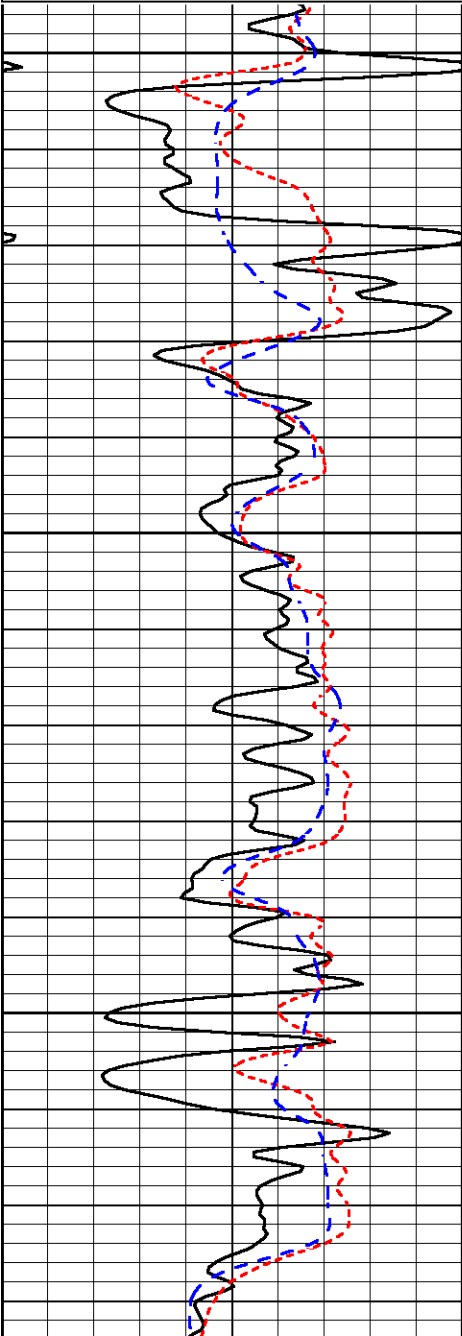
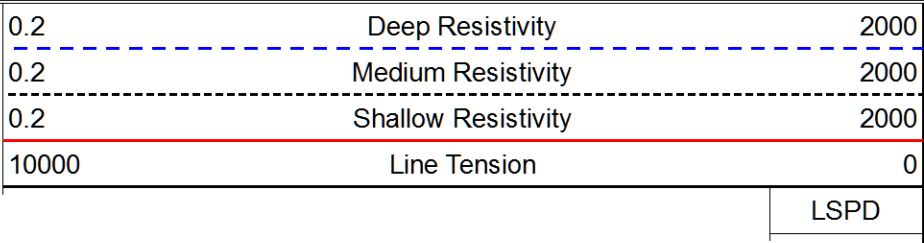
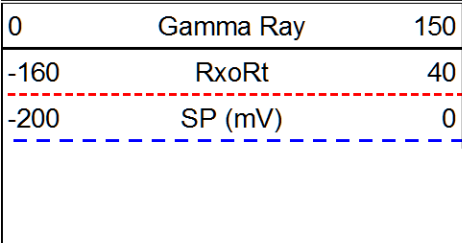
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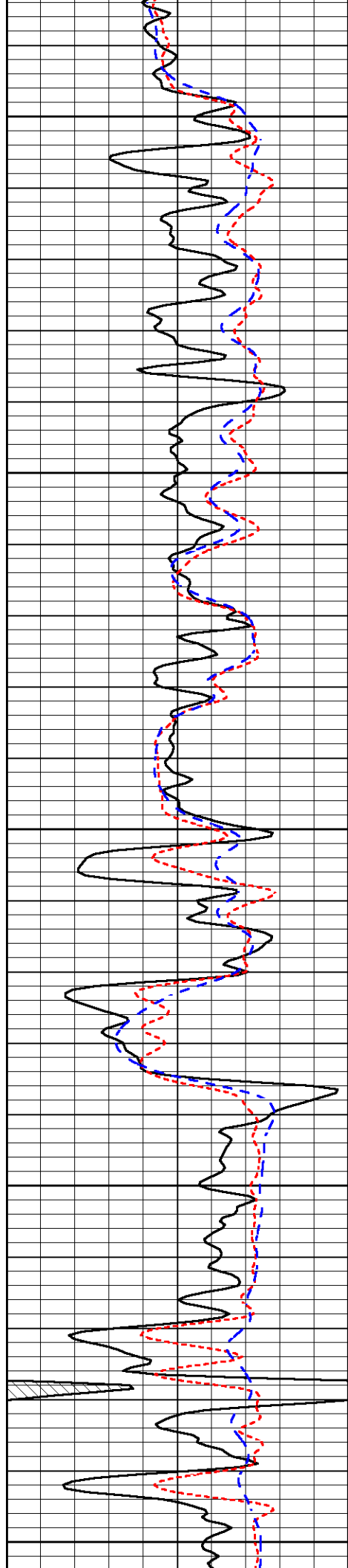






Database File beckeroil_ladenburger_1hd.db
Dataset Pathname DIL/beckstck
Presentation Format dil
Dataset Creation Sun Jun 21 05:32:22 2015
Charted by Depth in Feet scaled 1:240





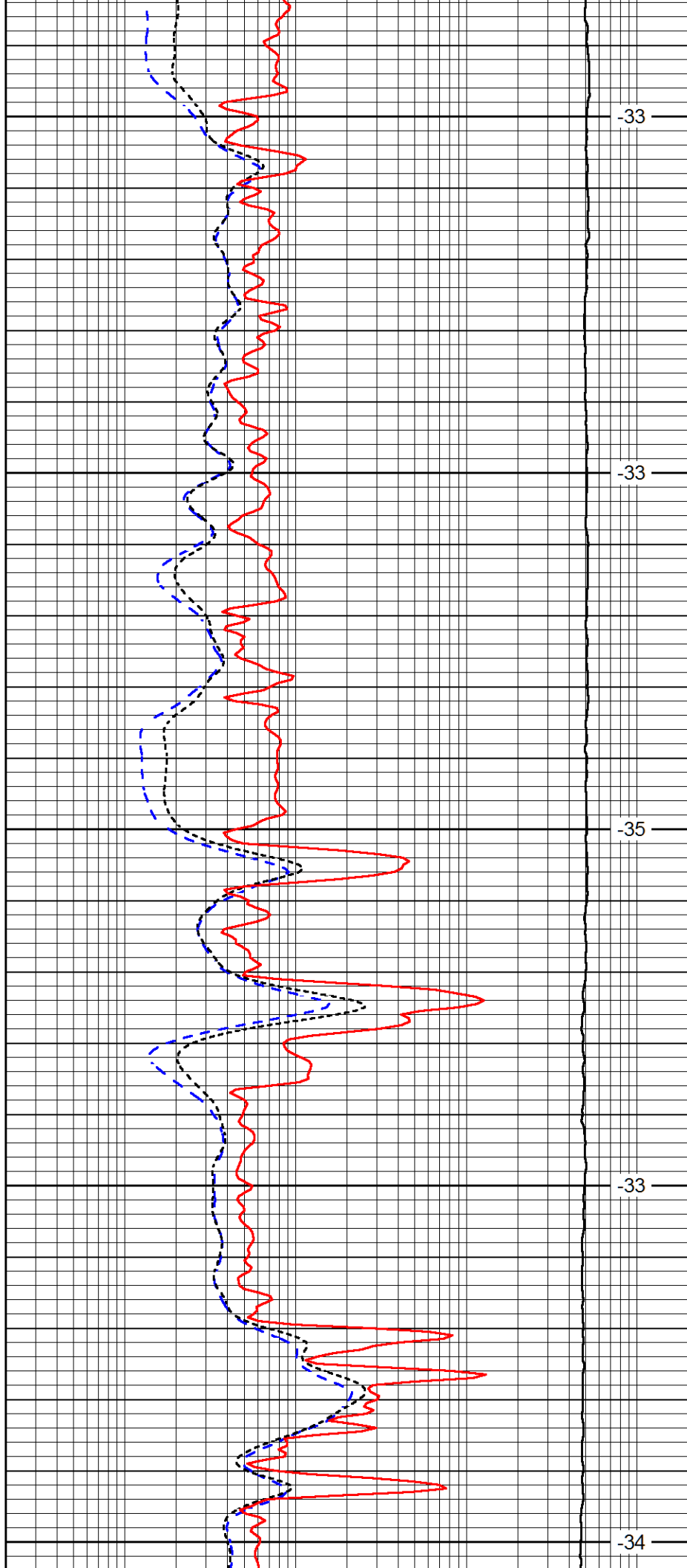
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3150

3200

3250

3300



-33

-33

-35

-33

-34

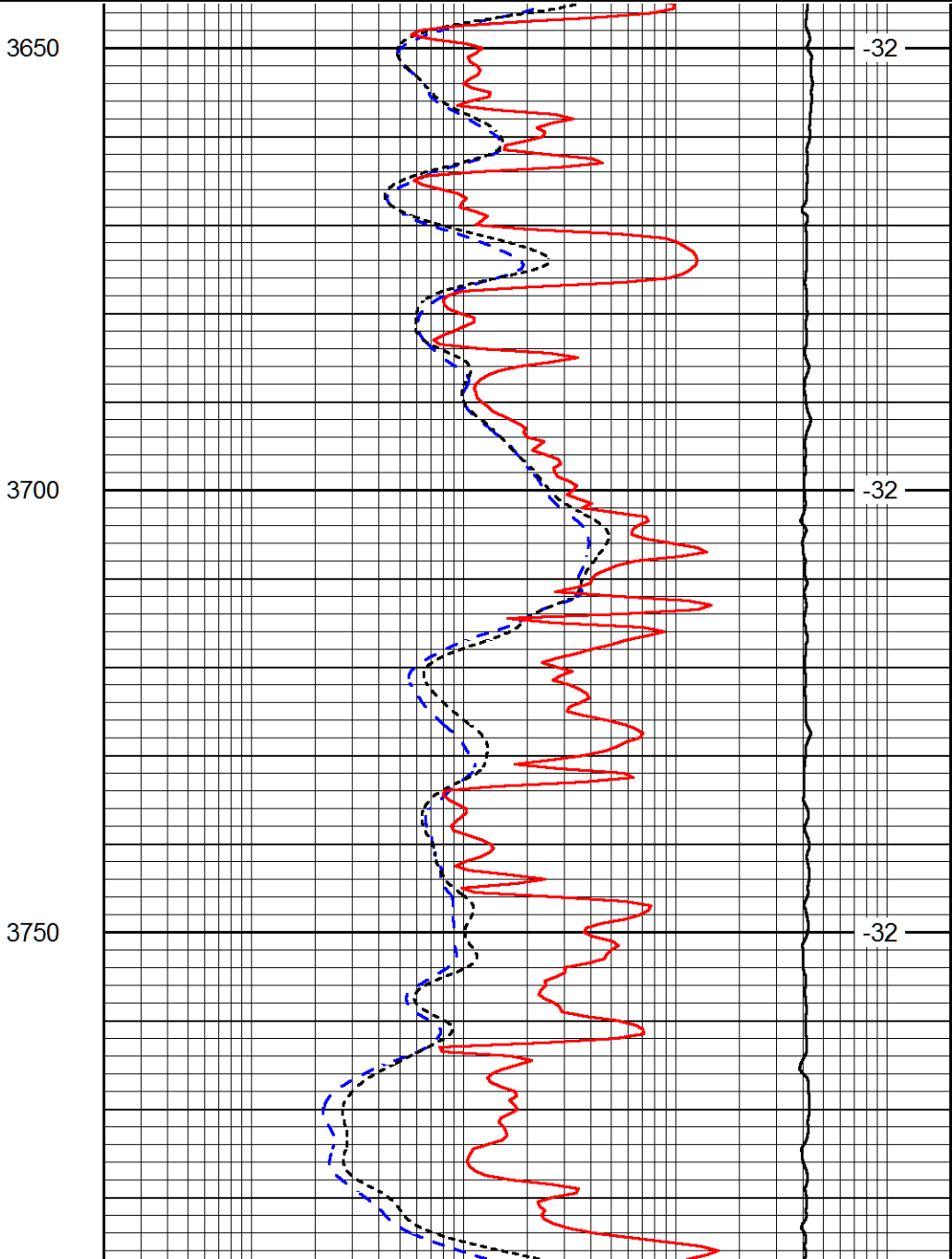
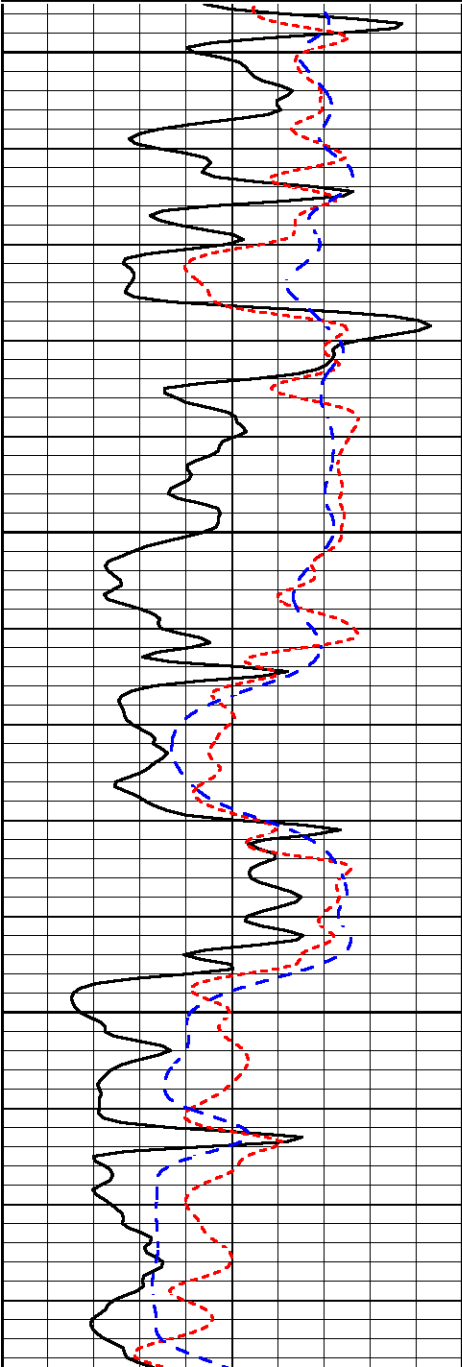
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-200	SP (mV)	0

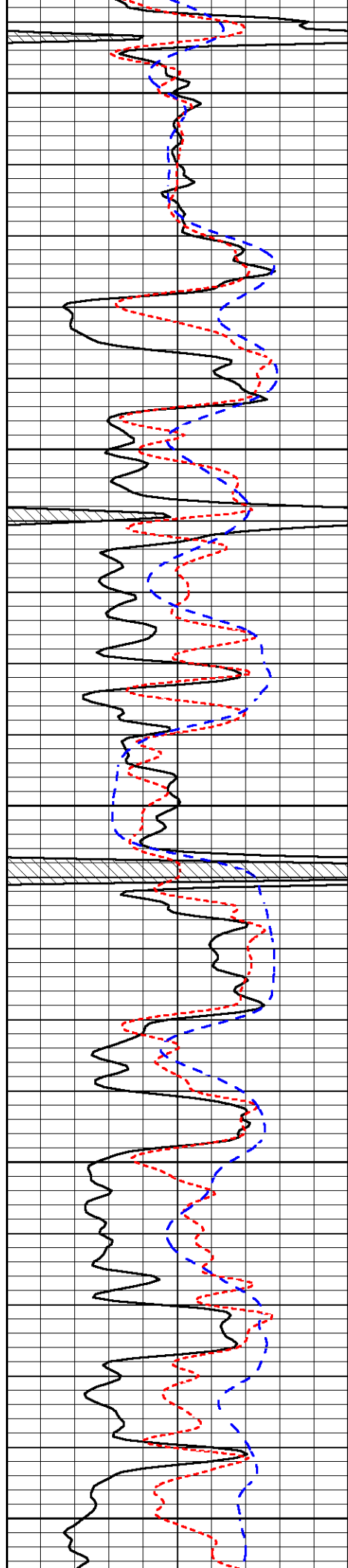
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0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
10000	Line Tension	0
		LSPD

Database File	beckeroil_ladenburger_1hd.db	
Dataset Pathname	DIL/beckstck	
Presentation Format	dil	
Dataset Creation	Sun Jun 21 05:32:22 2015	
Charted by	Depth in Feet scaled 1:240	

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-160	RxoRt	40
-200	SP (mV)	0

0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
10000	Line Tension	0
		LSPD





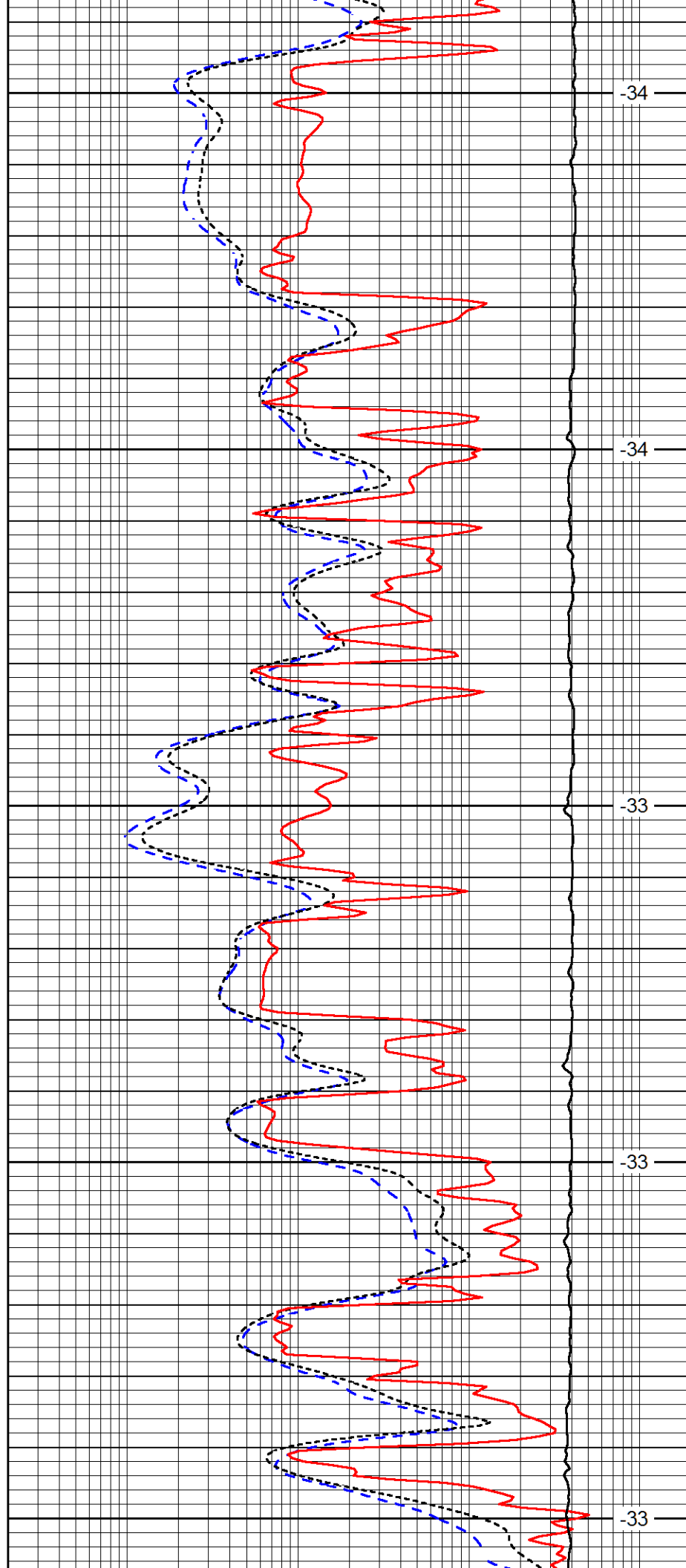
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3850

3900

3950

4000



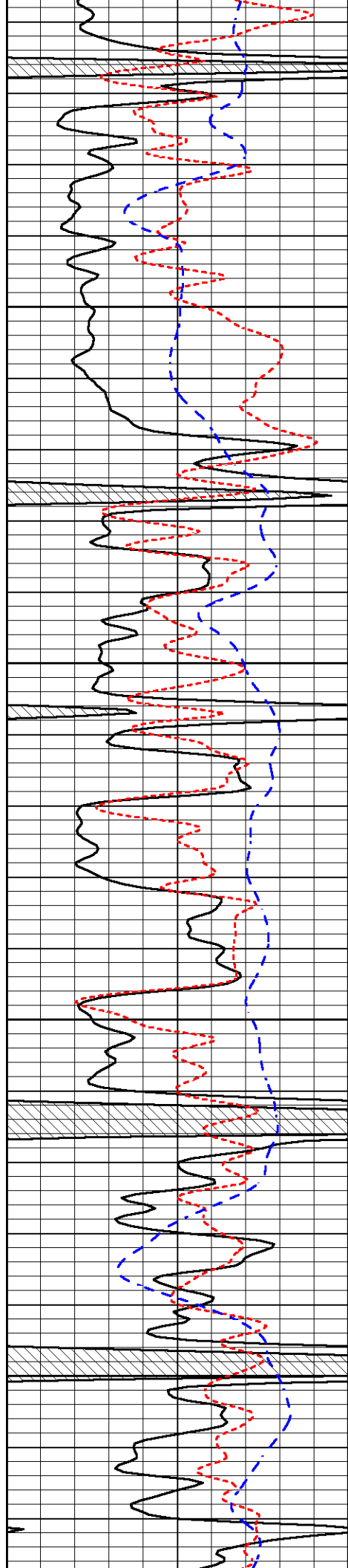
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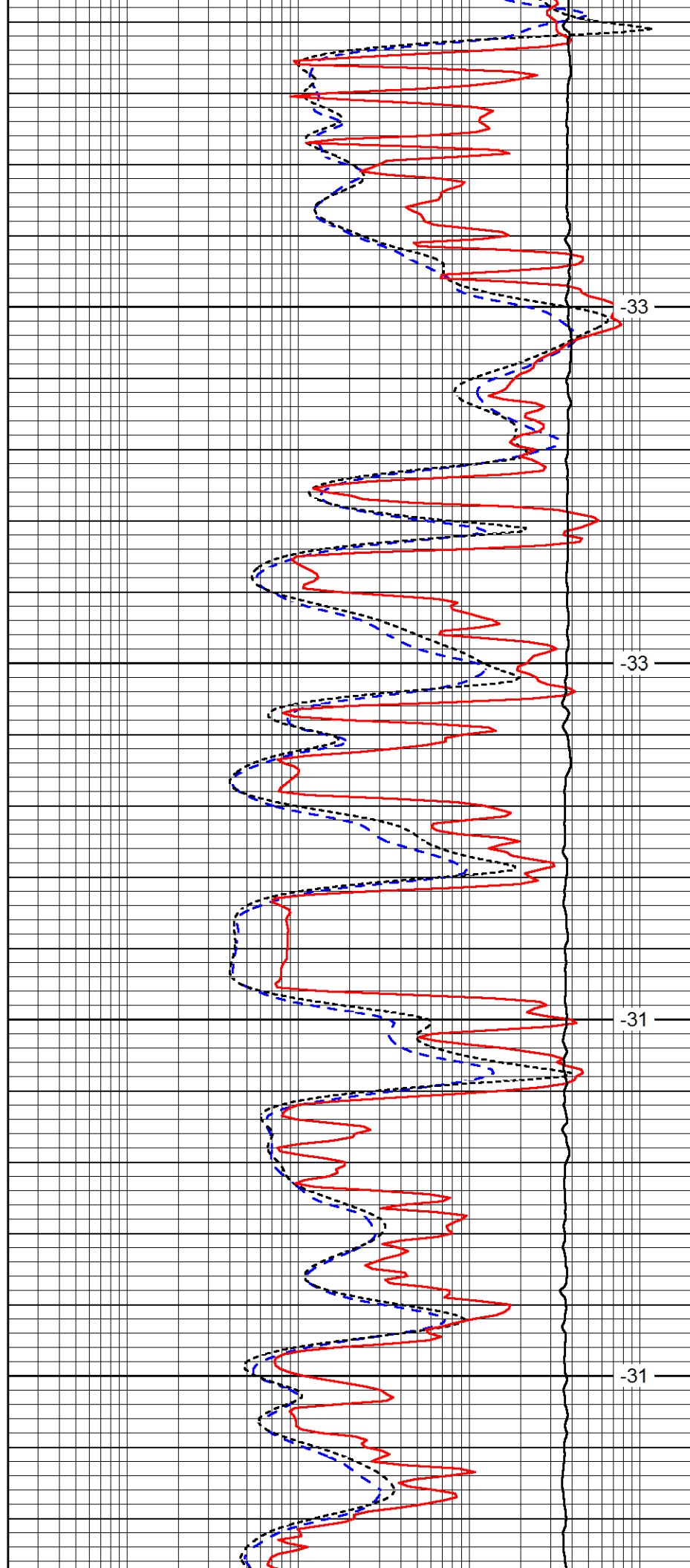


4050

4100

4150

4200

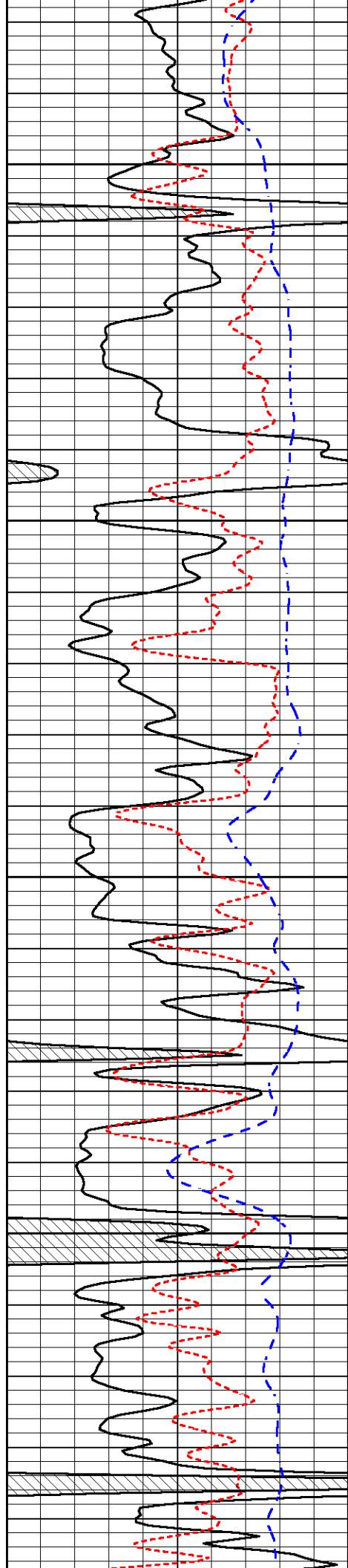


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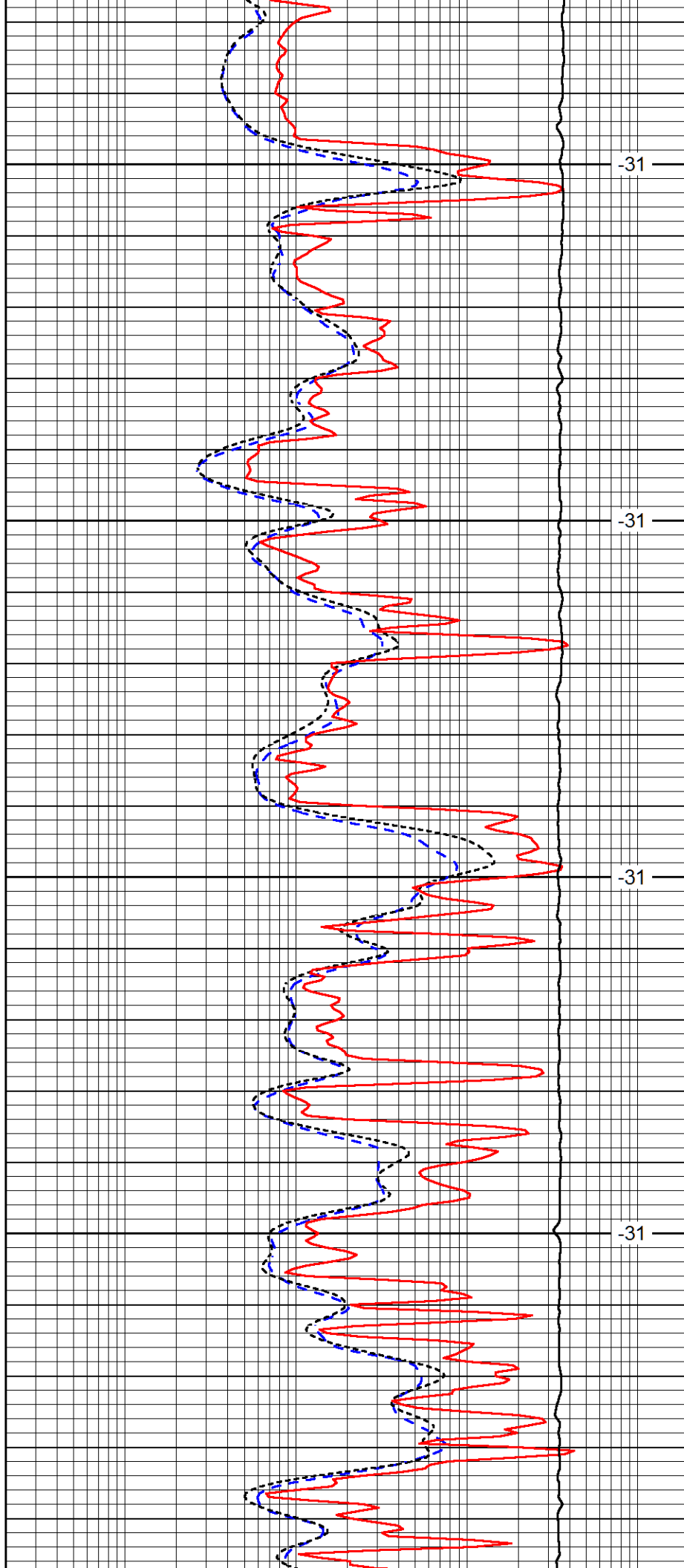


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4300

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4400

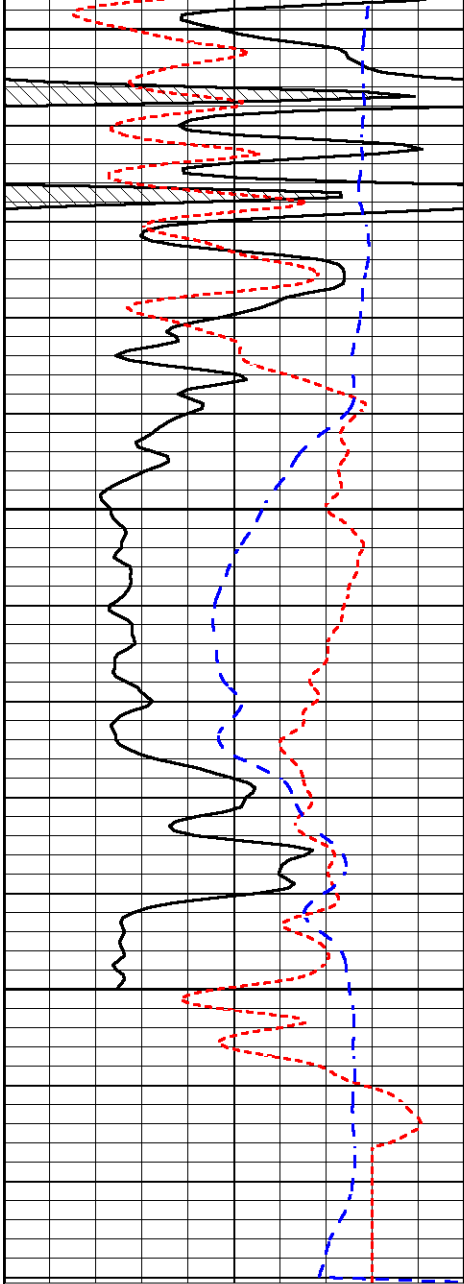


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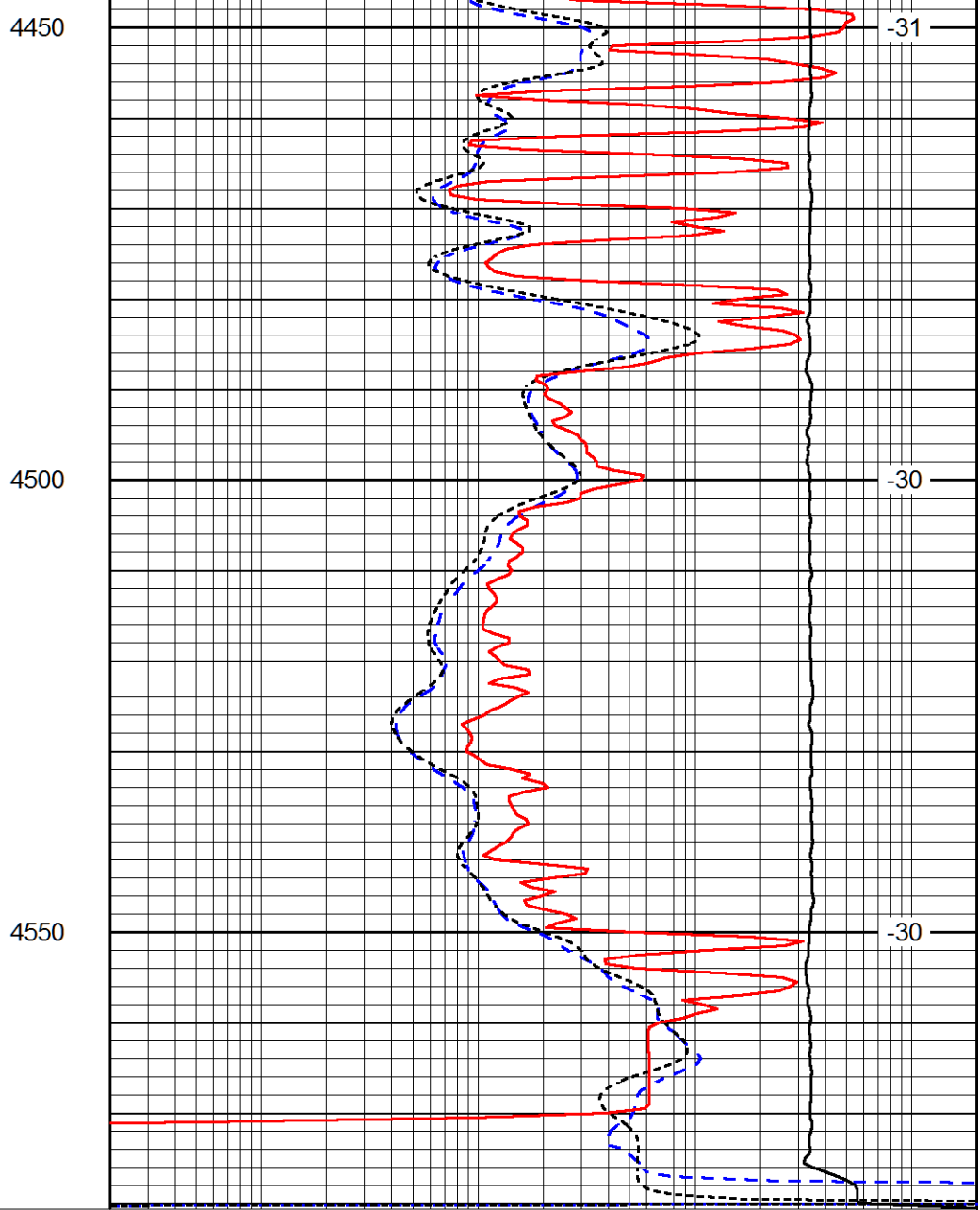
-31

-31

-31



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



0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
10000	Line Tension	0

LSPD