



DUAL INDUCTION LOG

Pioneer Energy Services

CompanyPALOMINO PETROLEUM, INC.		Company PALOMINO PETROLEUM, INC.	
Well	B&F OTTLEY NO.1	Well	B&F OTTLEY NO.1
Field	WILDCAT	Field	WILDCAT
County	GOVE	County	GOVE
State	KANSAS	State	KANSAS
Location: API #: 15-063-22,260-00-00		Other Services	
2045' FNL & 1299' FWL		CNL/CDL MEL	
Permanent Datum	GROUND LEVEL	Elevation	
Log Measured From	KELLY BUSHING	K.B.	2788
Drilling Measured From	KELLY BUSHING	D.F.	N/A
		G.L.	2783
Date	7/2/2015		
Run Number	ONE		
Depth Driller	4597		
Depth Logger	4595		
Bottom Logged Interval	4594		
Top Log Interval	200		
Casing Driller	8,625 @ 217		
Casing Logger	217		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL		
Salinity, ppm CL	4,000		
Density / Viscosity	9.3 64		
pH / Fluid Loss	9.0 10.4		
Source of Sample	Flowline		
Rm @ Meas. Temp	.8 @ 75		
Rmf @ Meas. Temp	.6 @ 75		
Rmc @ Meas. Temp	1.08 @ 75		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.49 @ 122		
Operating Rig Time	4 HOURS		
Max Rec. Temp. F	122		
Equipment Number	51		
Location	Hays		
Recorded By	C. DESAIRE		K. PFANNENSTIEL
Witnessed By	RYAN SEIB		

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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.

GOVE KS, 10 S, 10 W,
5 N, 1/4 E, S INTO

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

THANK YOU FOR USING PIONEER ENERGY SERVICES
www.pioneerenergy.com 785-625-3858

Your Pioneer Energy Services Crew

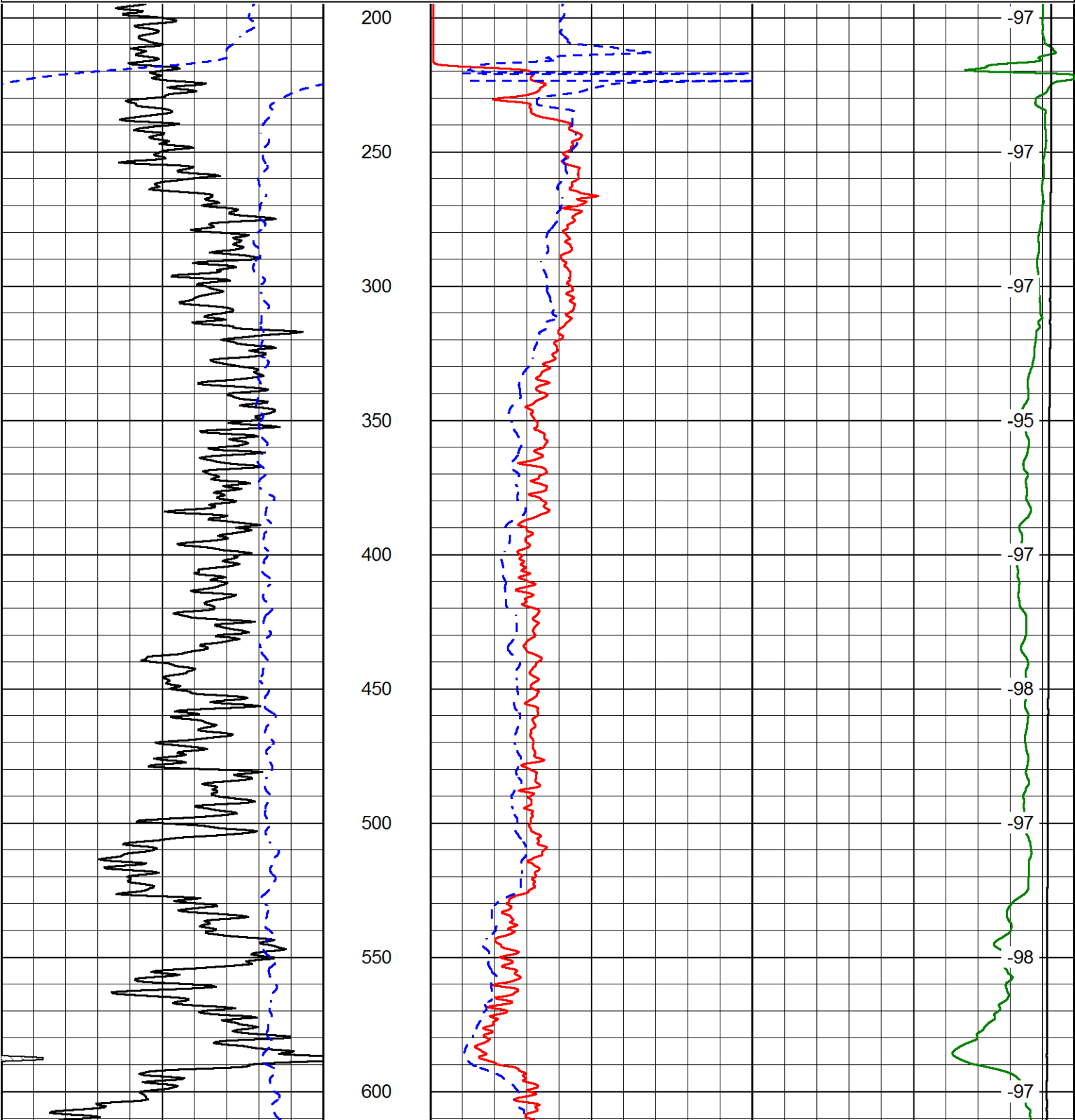
Engineer: C. DESAIRE
Operator: K. PFANNENSTIEL
Operator:
Operator:

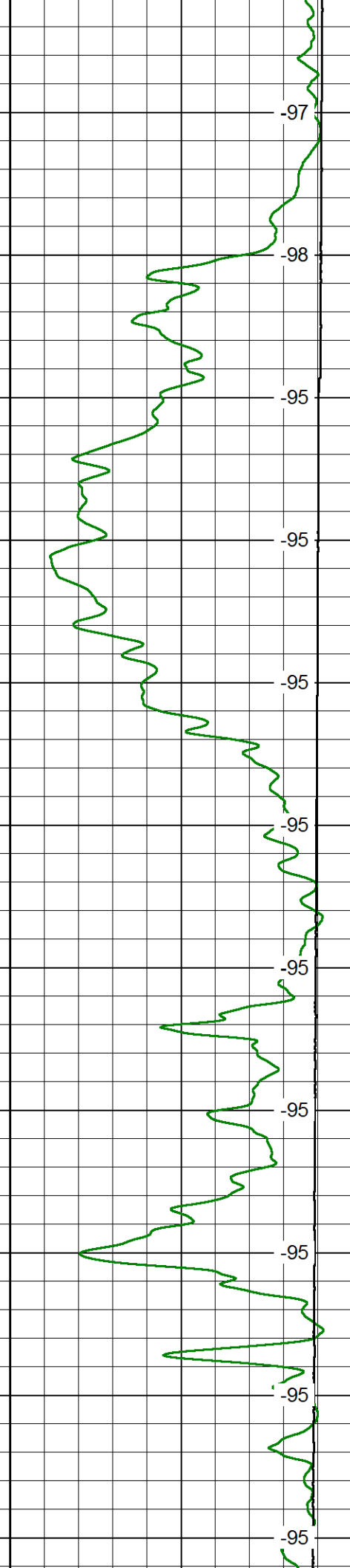
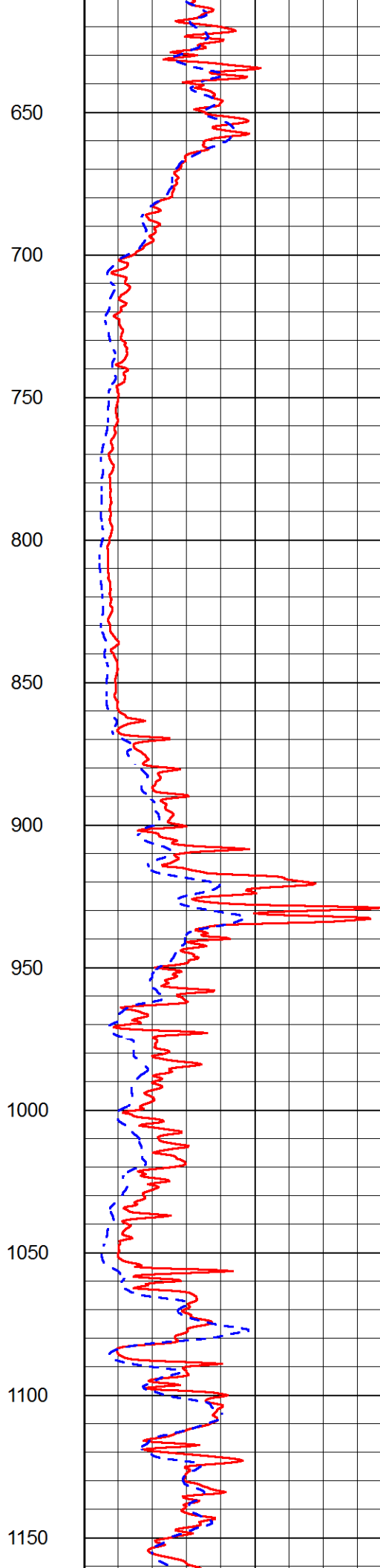
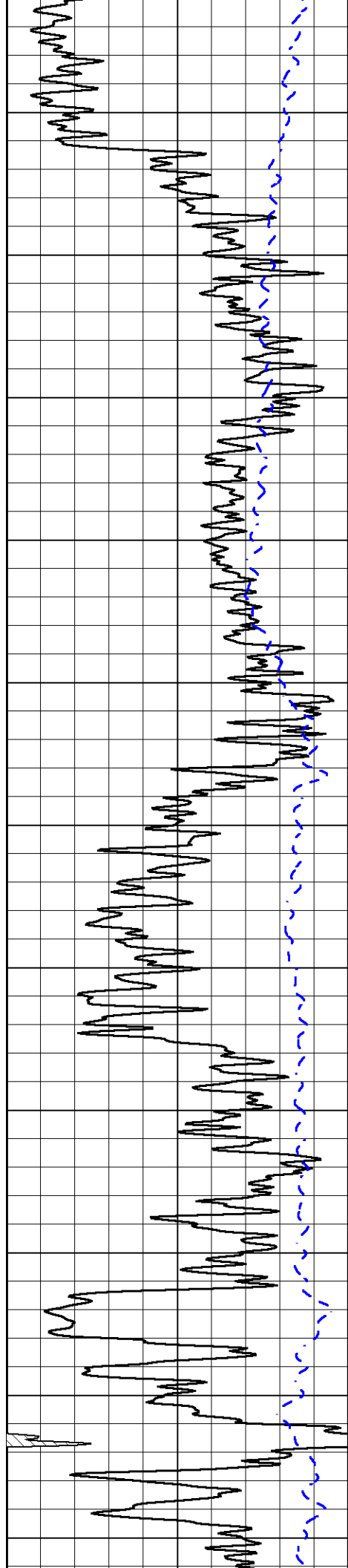
This Log Record Was Witnessed By

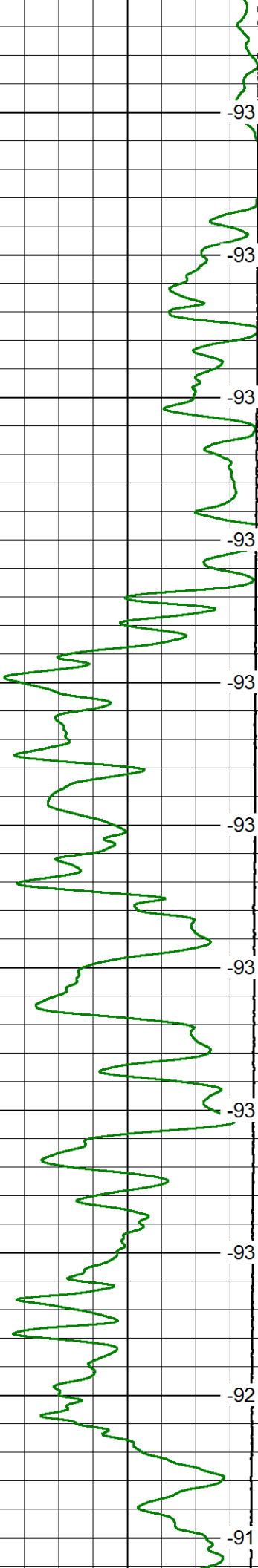
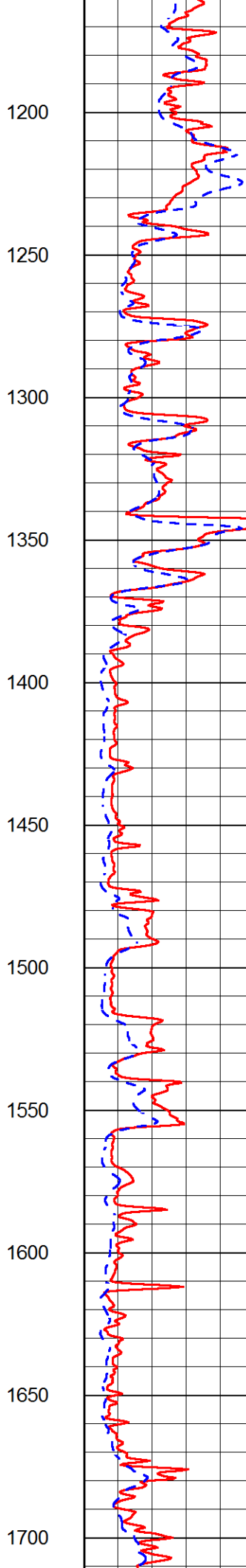
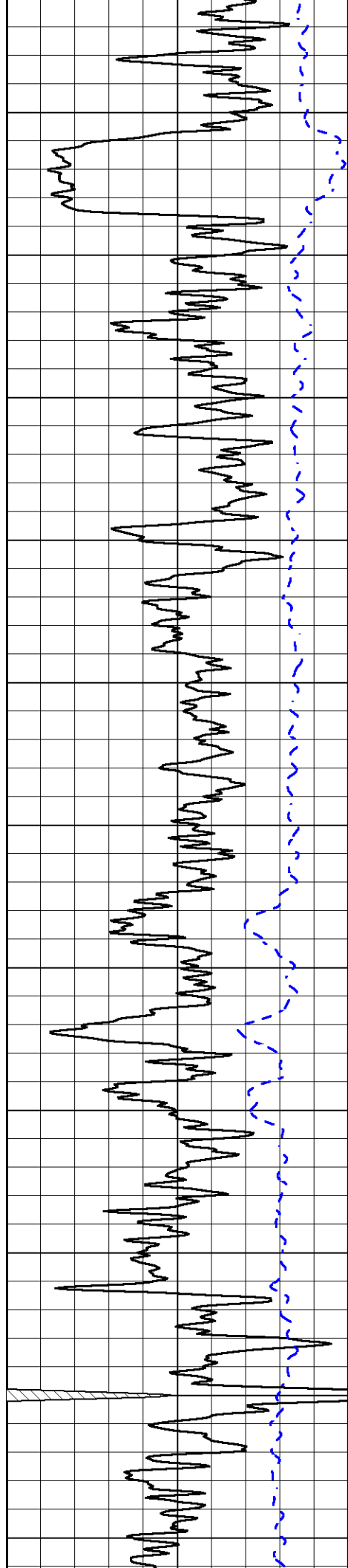
Primary Witness: RYAN SEIB
Secondary Witness:
Secondary Witness:
Secondary Witness:

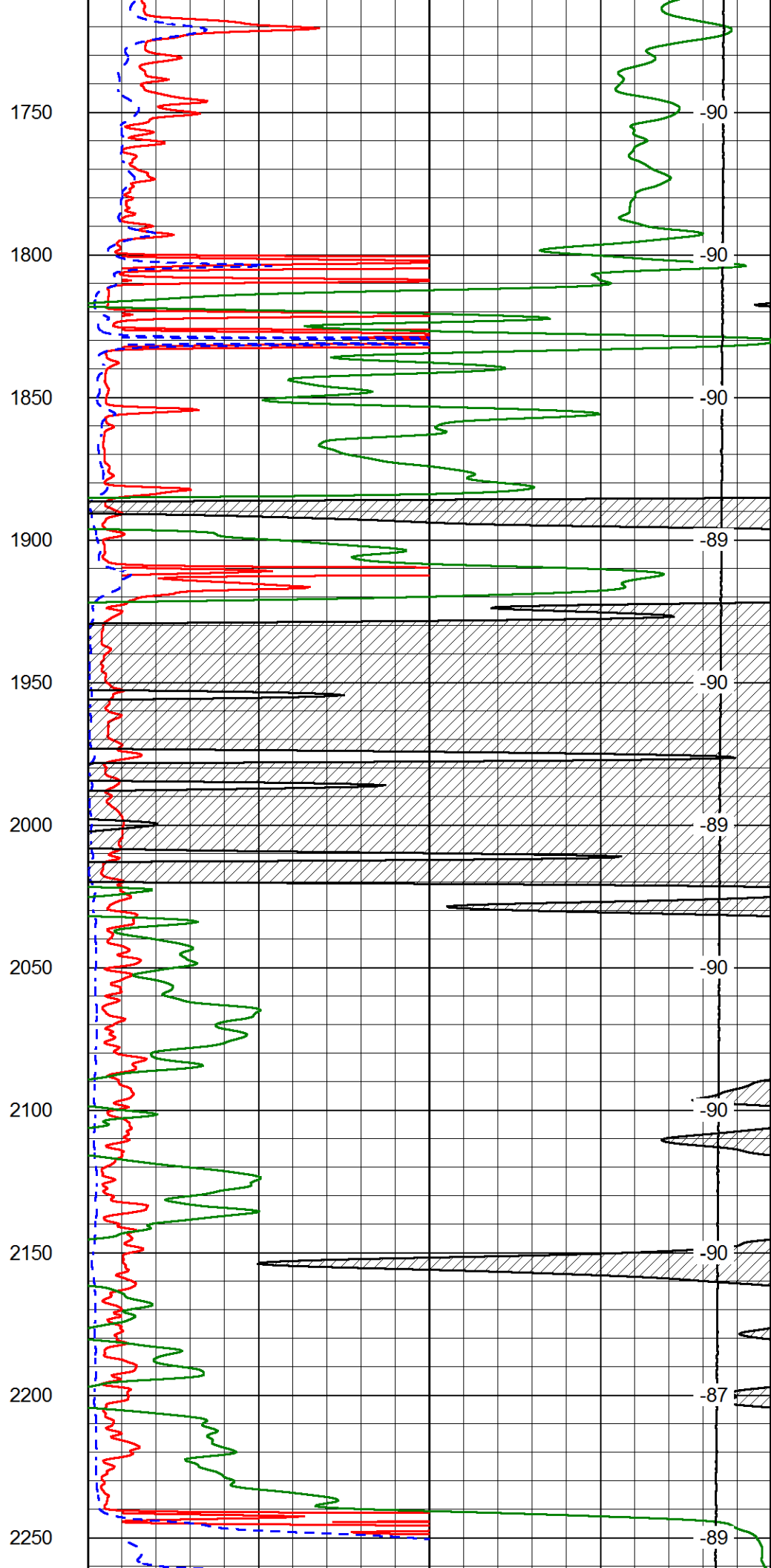
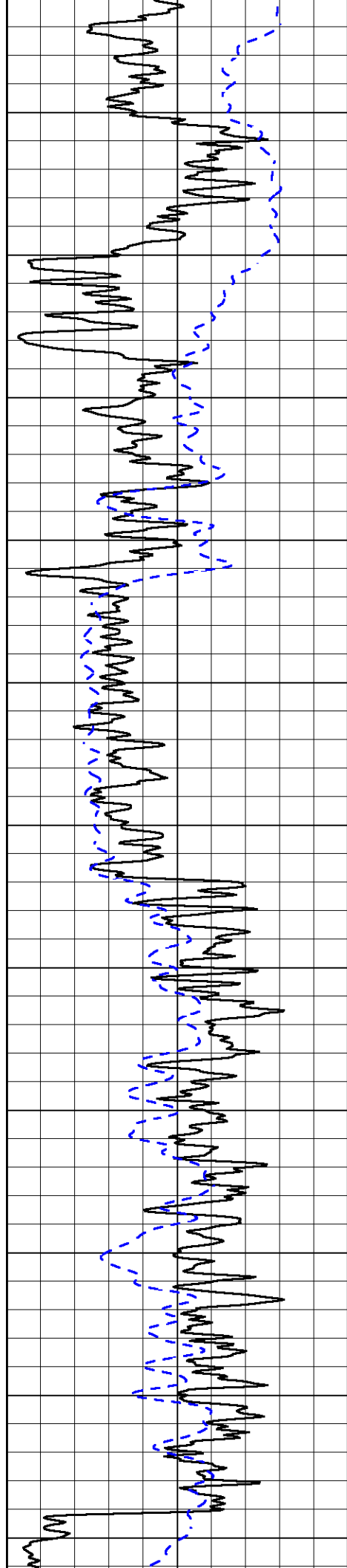
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Presentation Format	dil2in
Dataset Creation	Thu Jul 02 12:25:24 2015
Charted by	Depth in Feet scaled 1:600

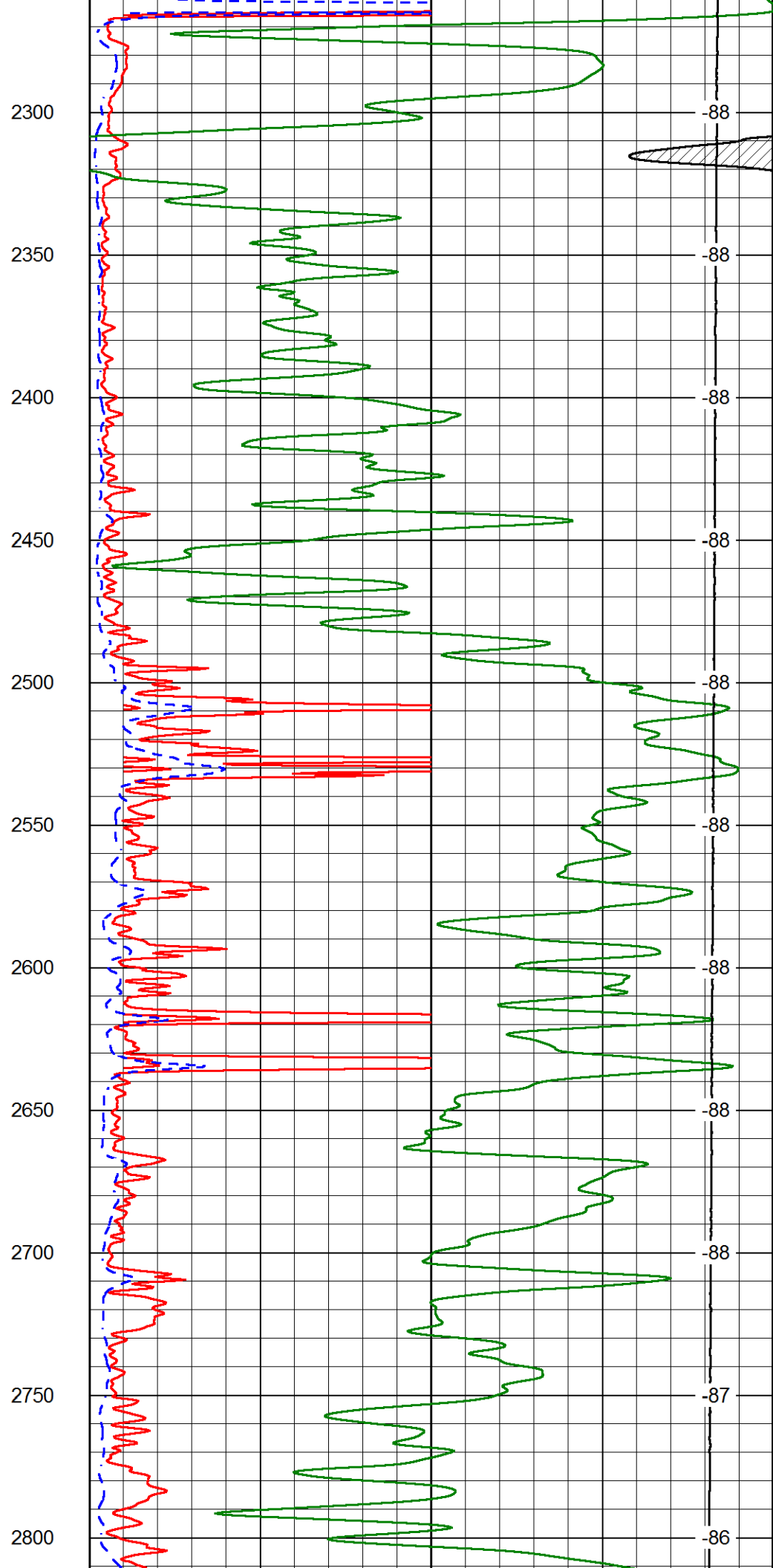
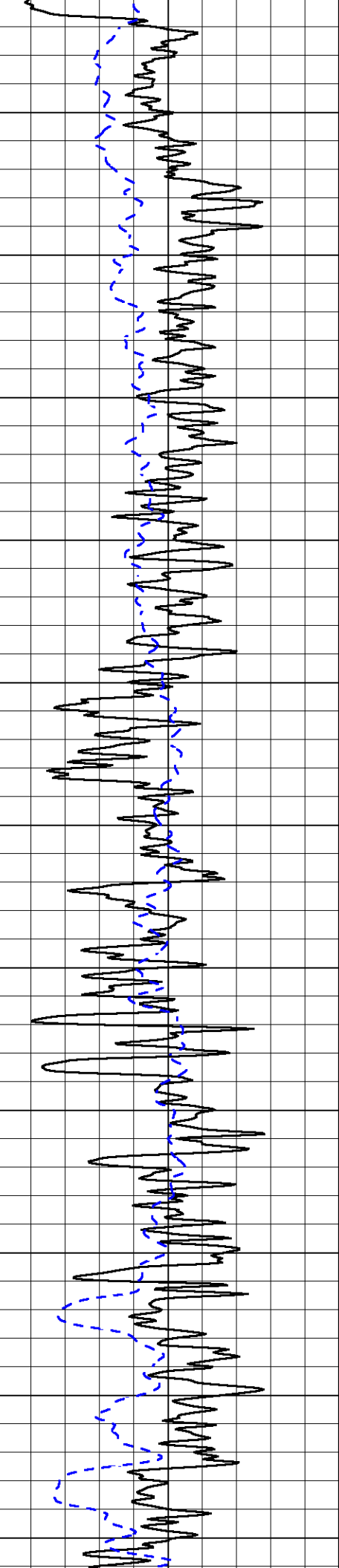
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-200	SP (mV)	0	15000	Line Tension (lb)	0
			0	Shallow Resistivity (Ohm-m)	50
			0	Deep Resistivity (Ohm-m)	50
				Shallow Resistivity	
			50	(Ohm-m)	500
			50	Deep Resistivity (Ohm-m)	500

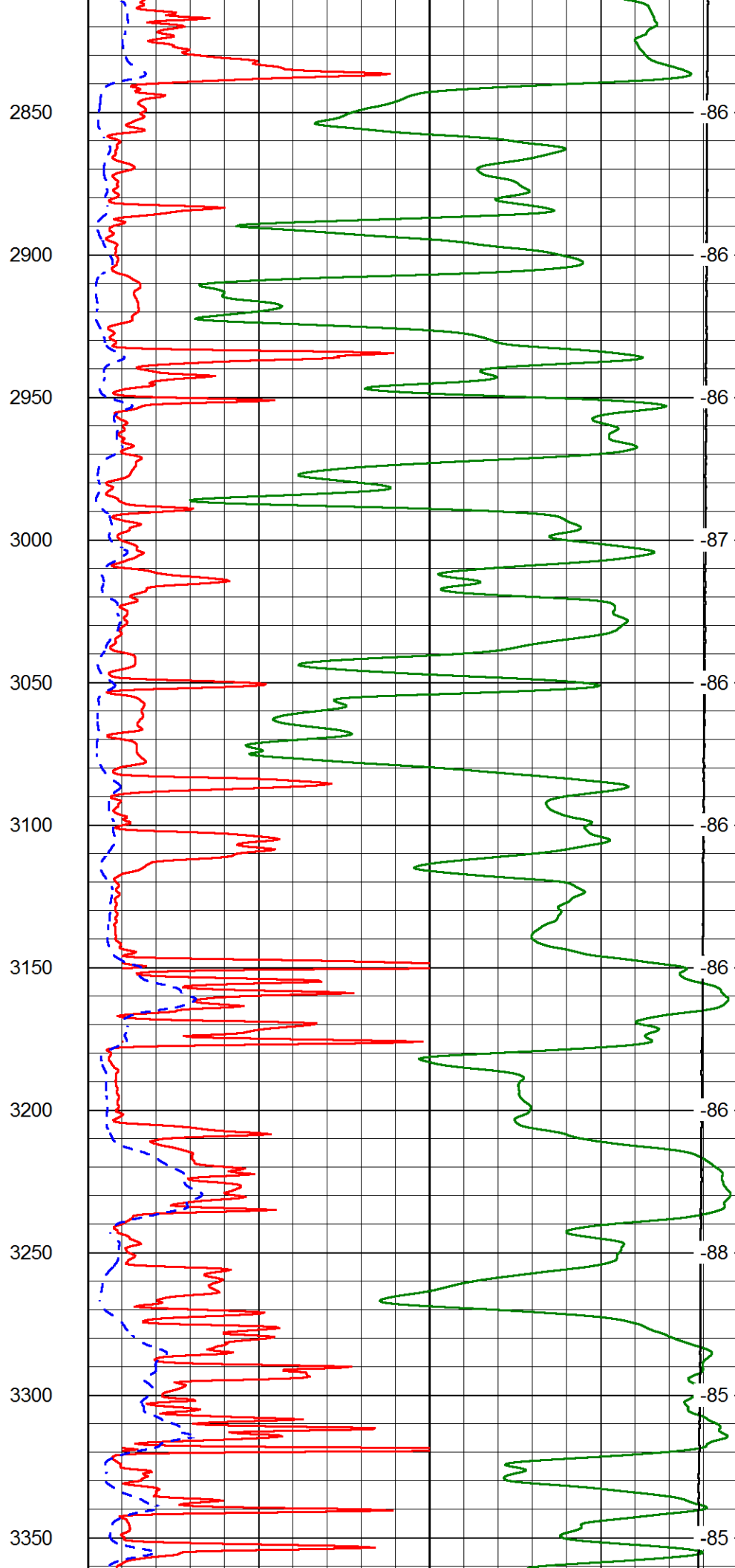
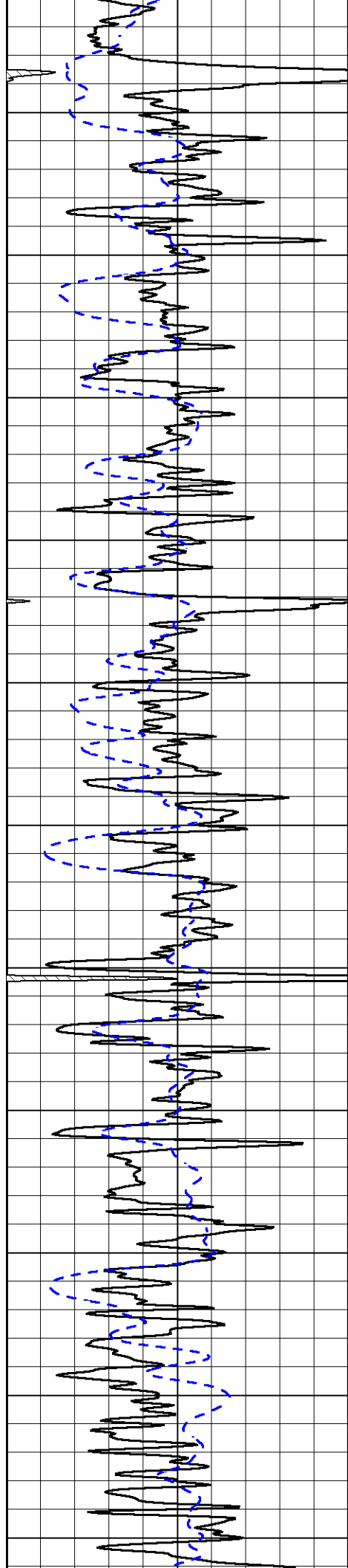


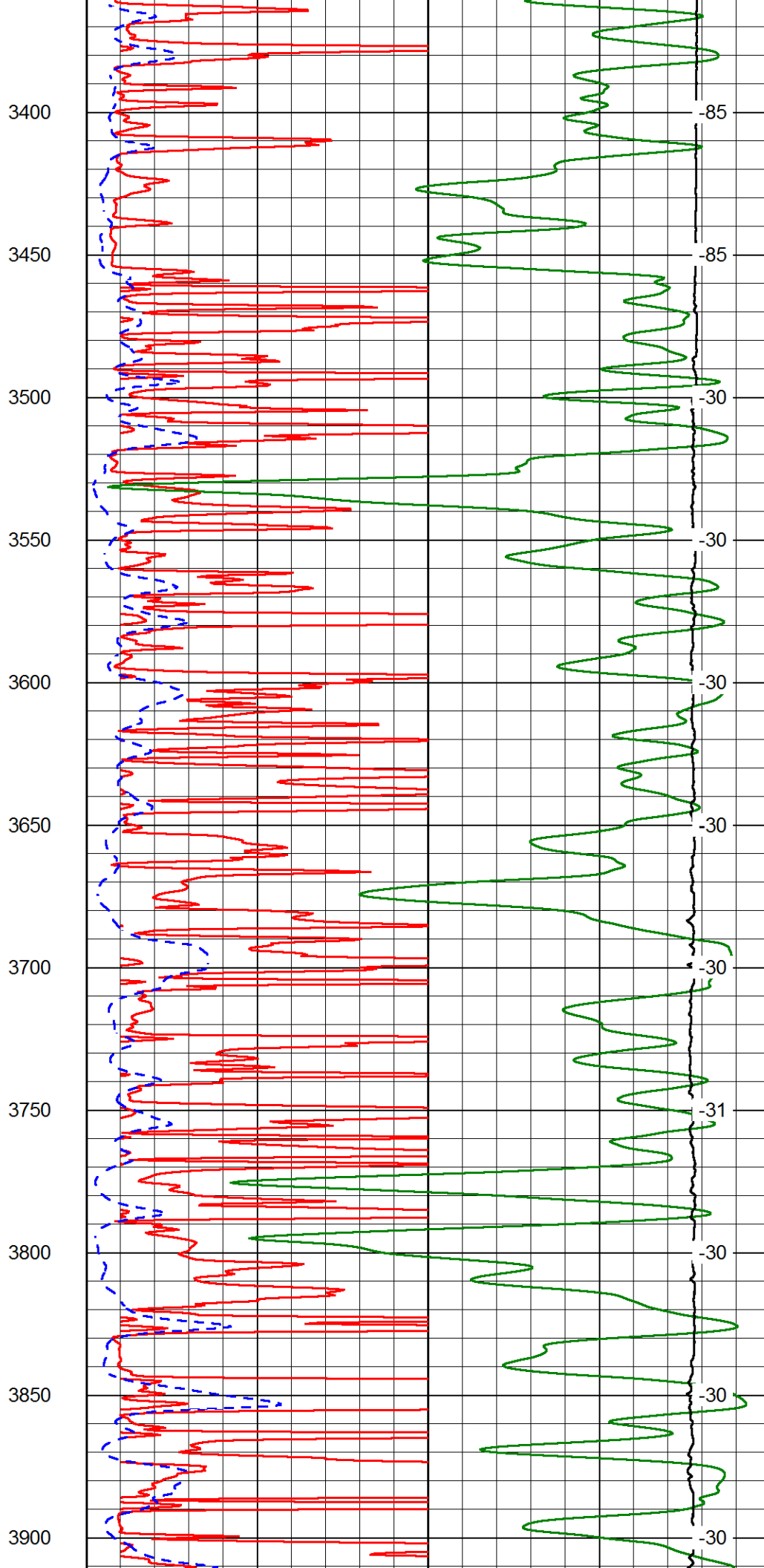
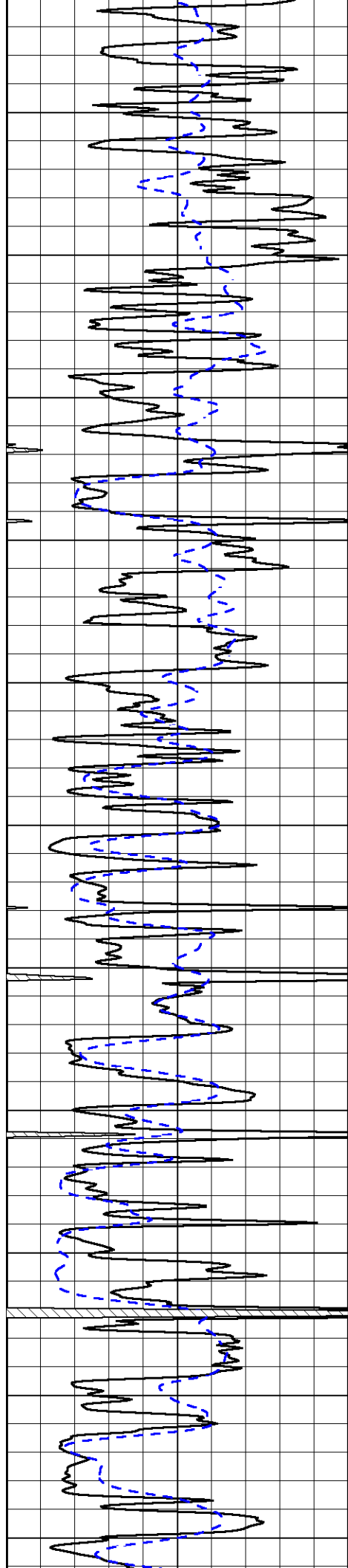


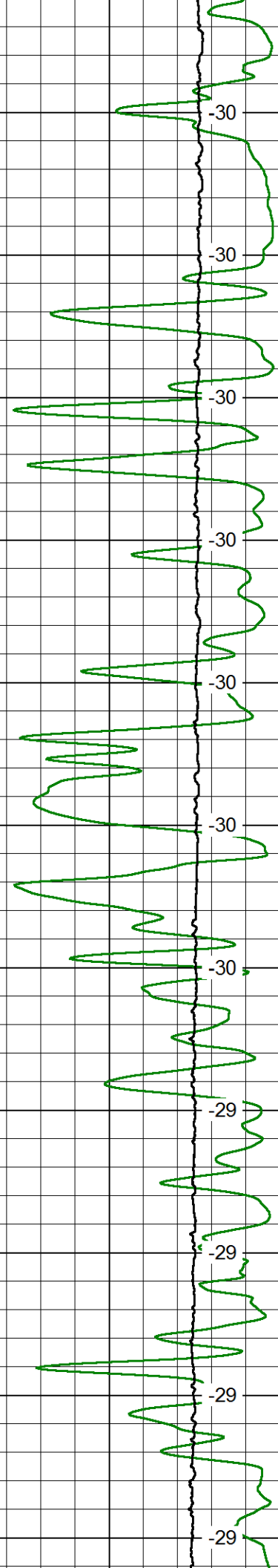
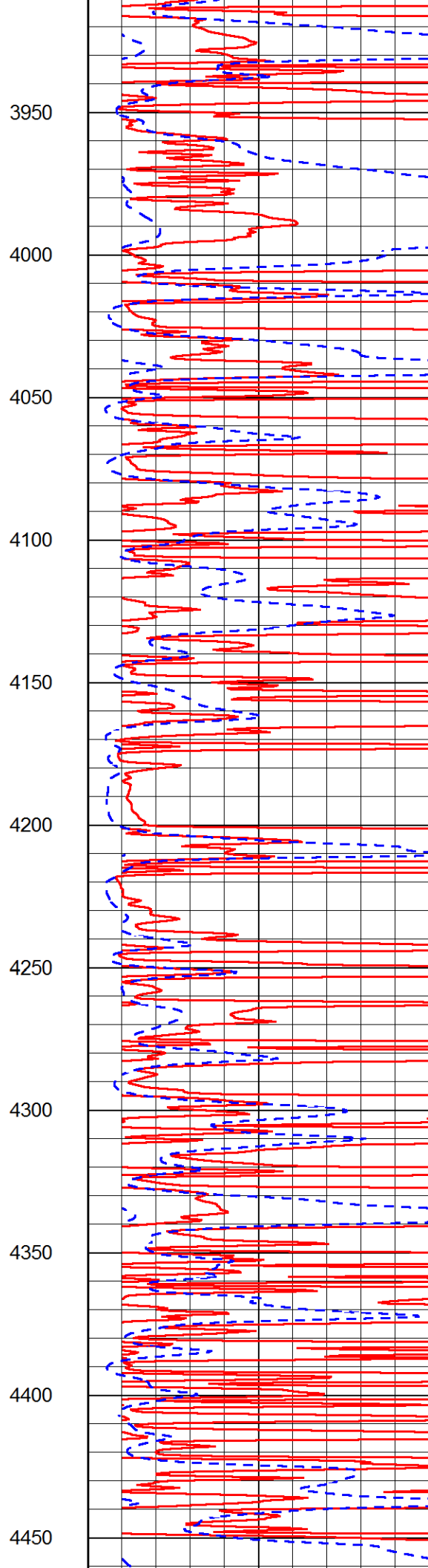
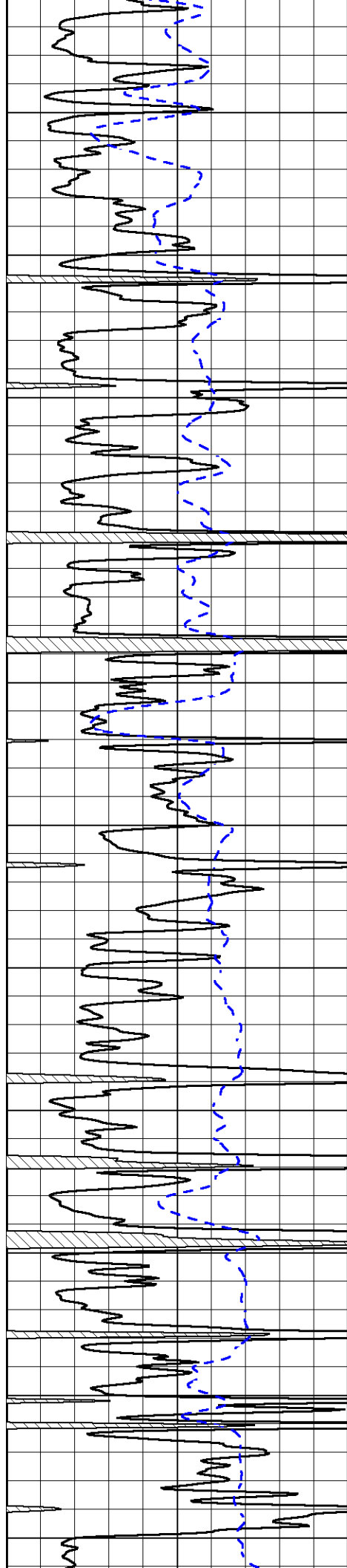


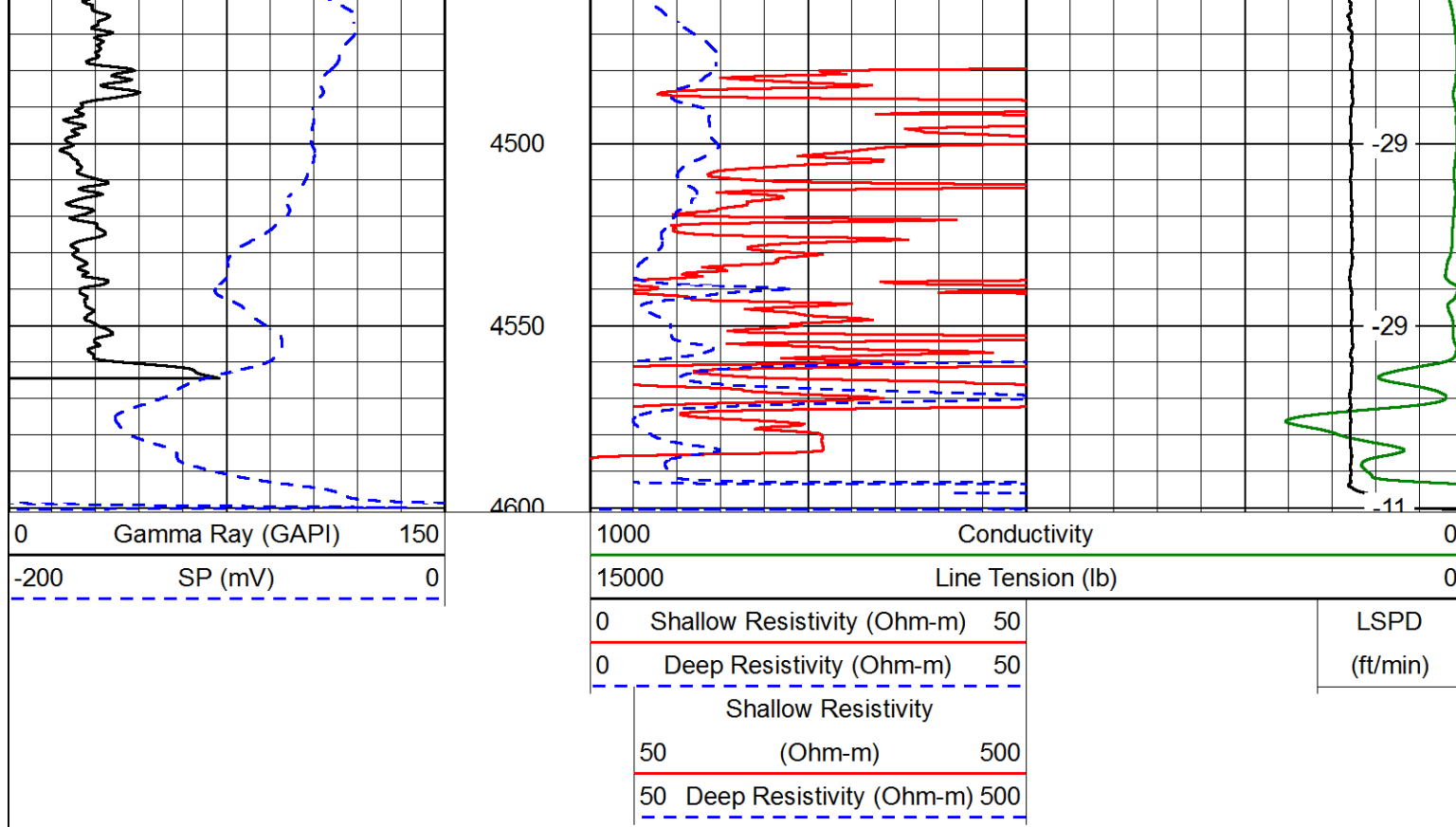










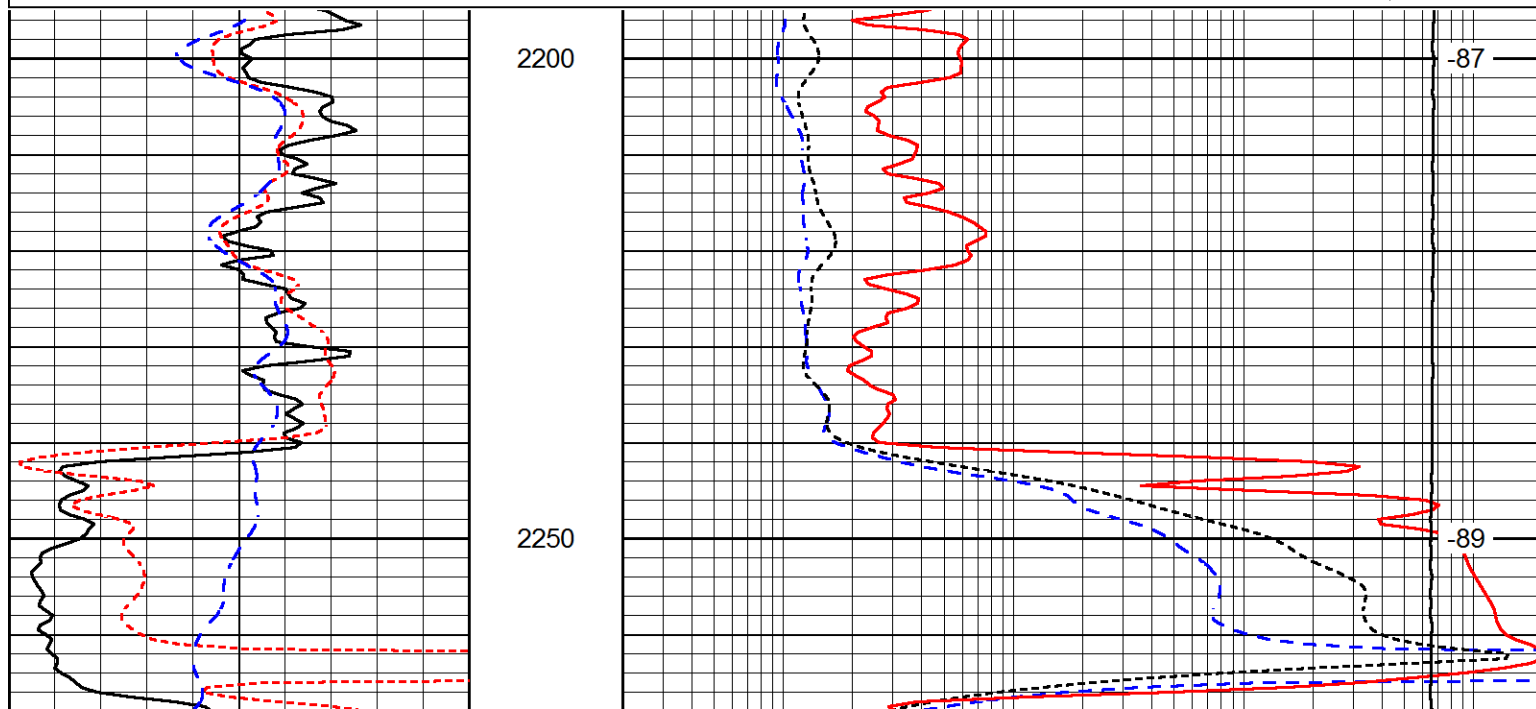


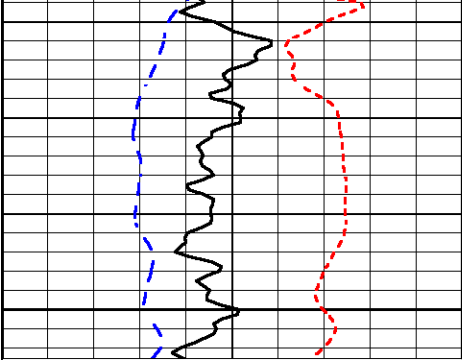
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Presentation Format	dil
Dataset Creation	Thu Jul 02 12:25:24 2015
Charted by	Depth in Feet scaled 1:240

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

0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
10000	Line Tension (lb)	0

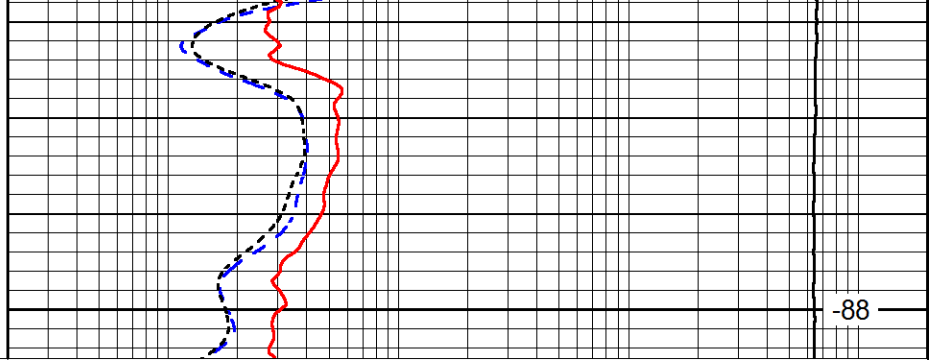
LSPD	(ft/min)
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0	Gamma Ray (GAPI)	150
-160	RxoRt	40
-200	SP (mV)	0

2300



0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
10000	Line Tension (lb)	0

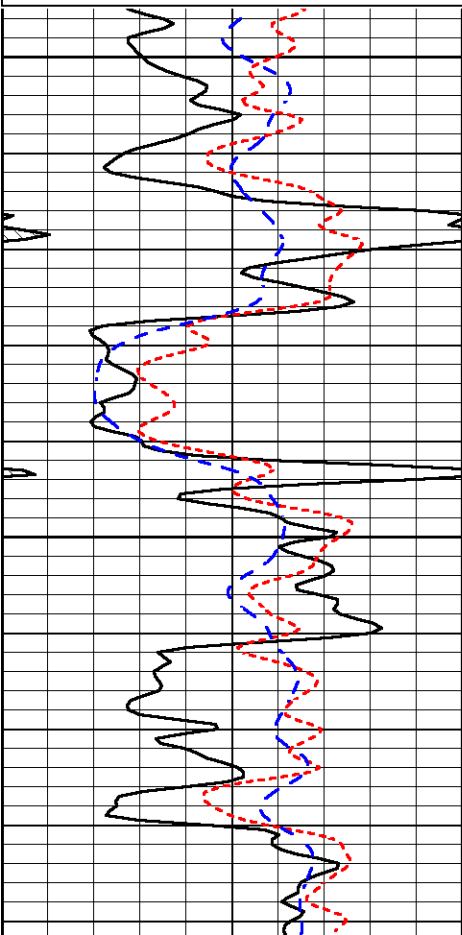
LSPD
(ft/min)

Database File palhd.db
Dataset Pathname DIL/palstk
Presentation Format dil
Dataset Creation Thu Jul 02 12:25:24 2015
Charted by Depth in Feet scaled 1:240

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

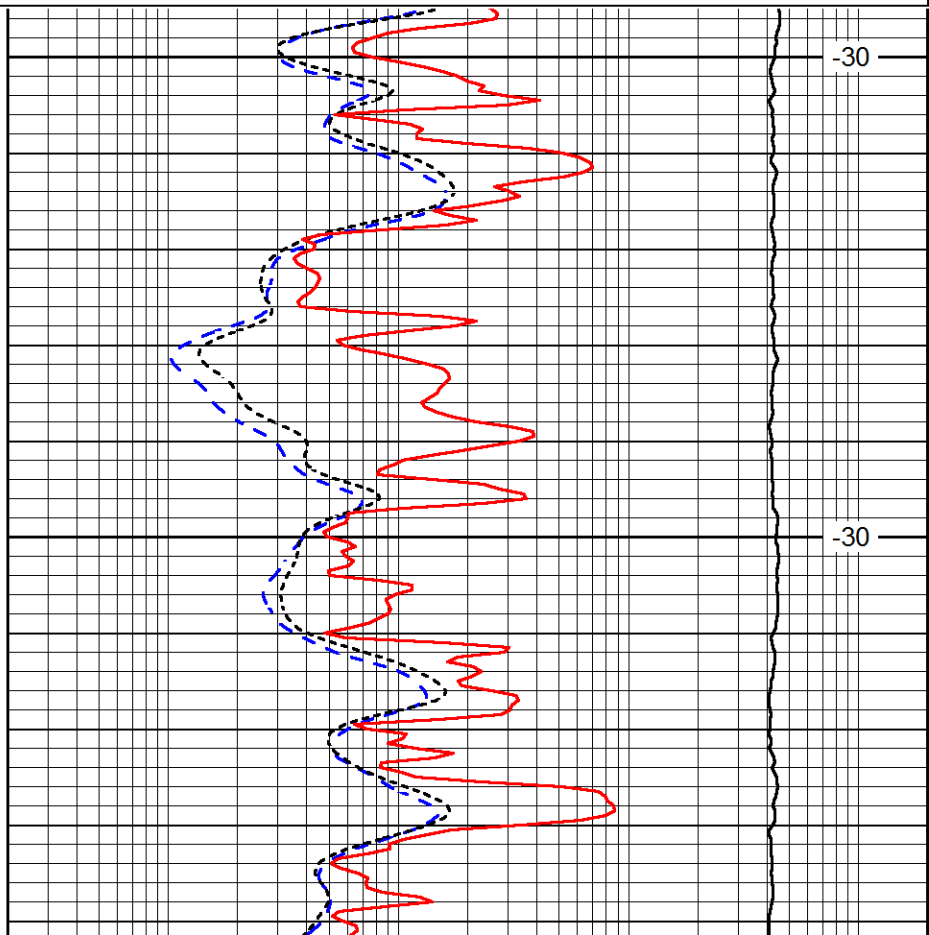
0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
10000	Line Tension (lb)	0

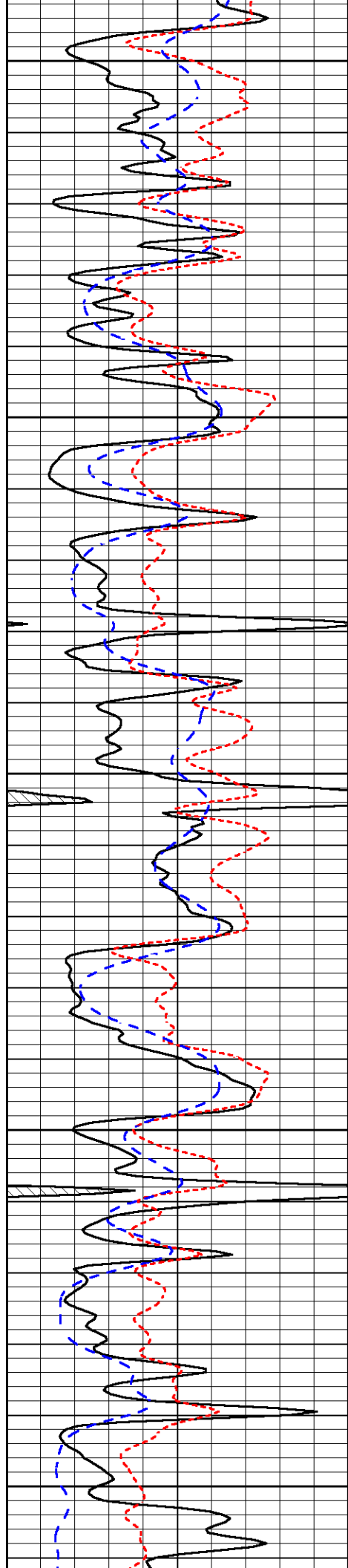
LSPD
(ft/min)



3500

3550





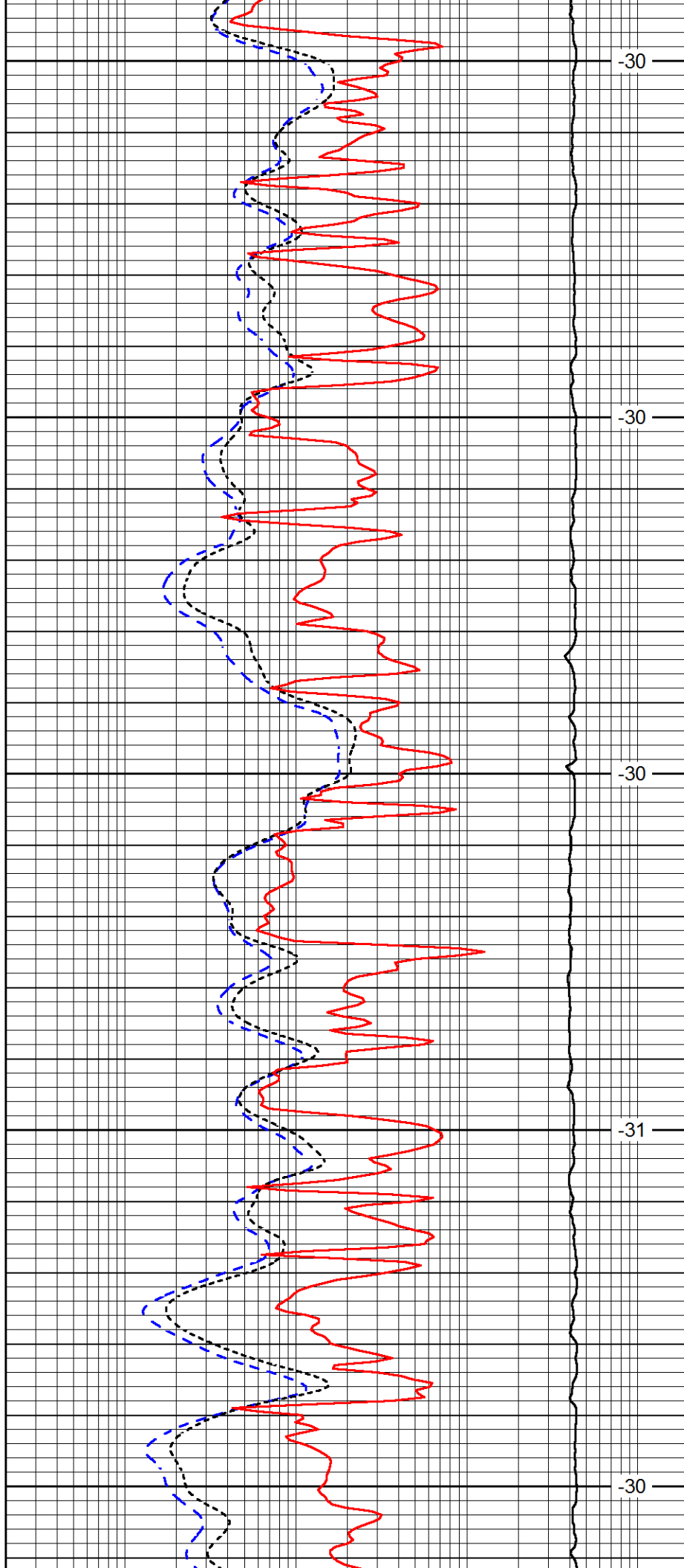
3600

3650

3700

3750

3800



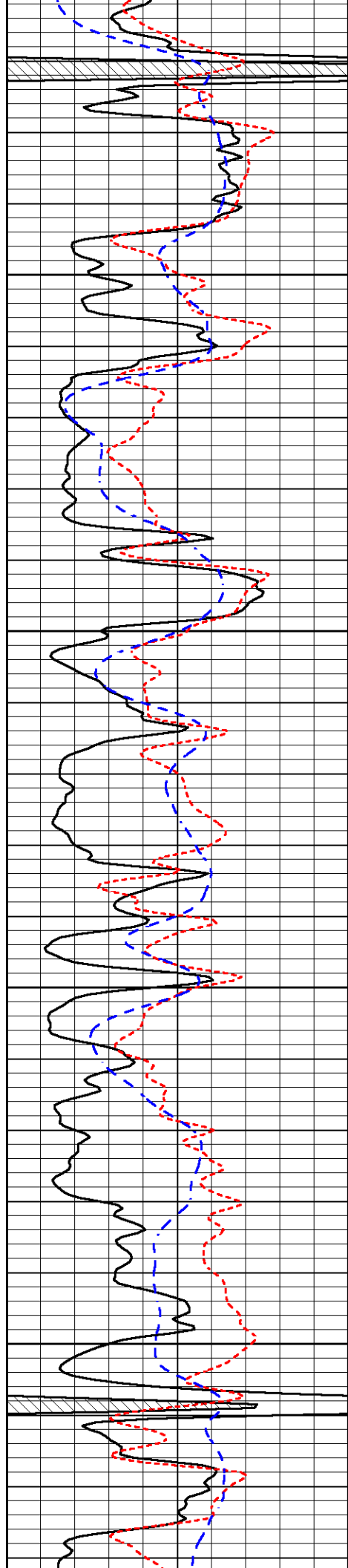
-30

-30

-30

-31

-30

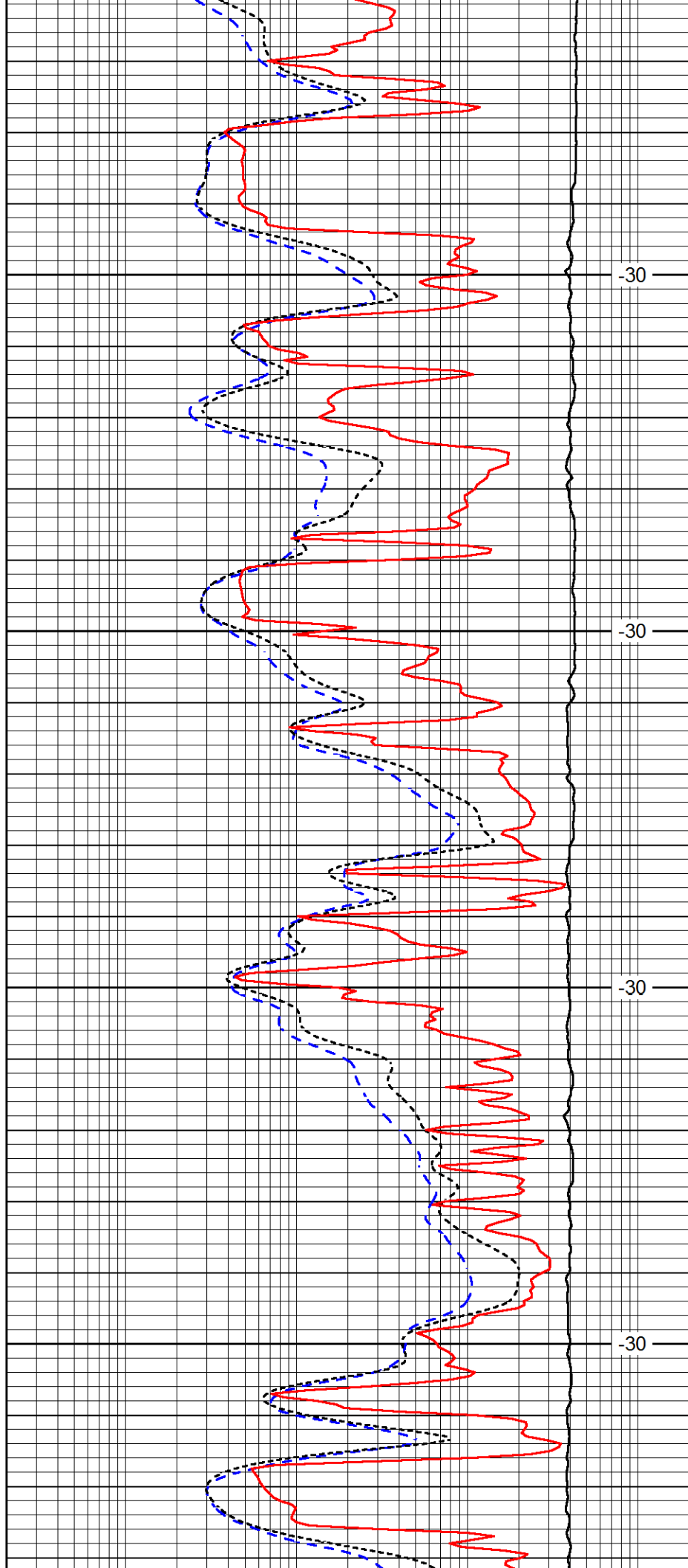


3850

3900

3950

4000

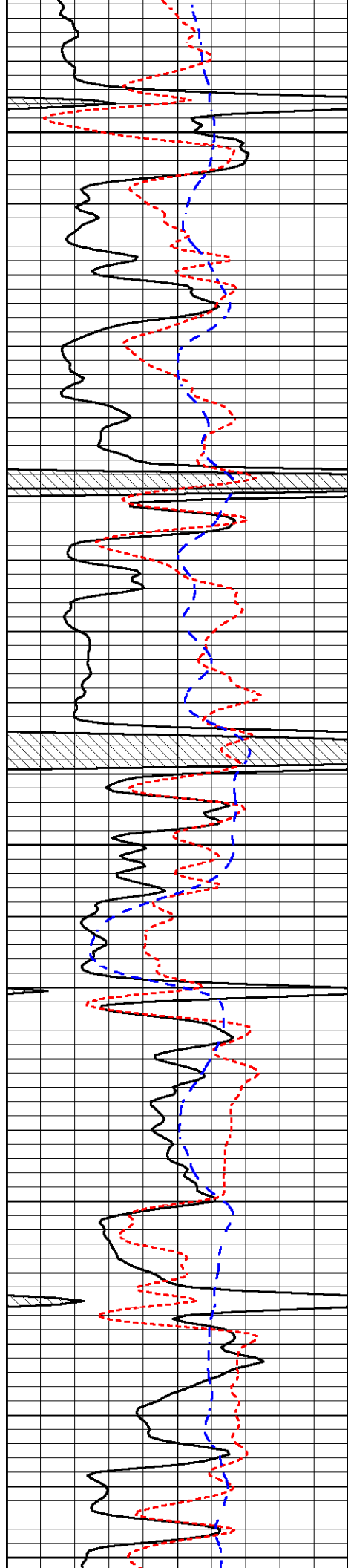


-30

-30

-30

-30



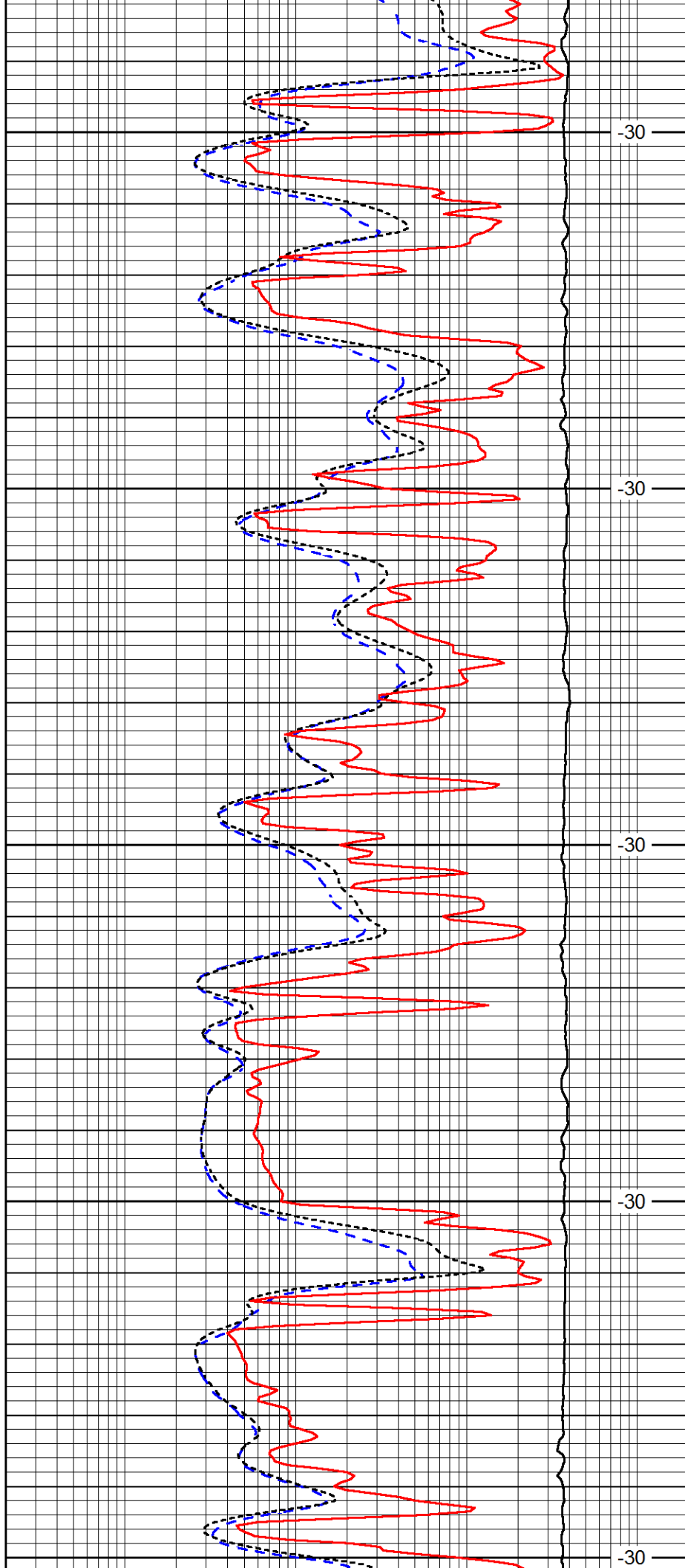
4050

4100

4150

4200

4250



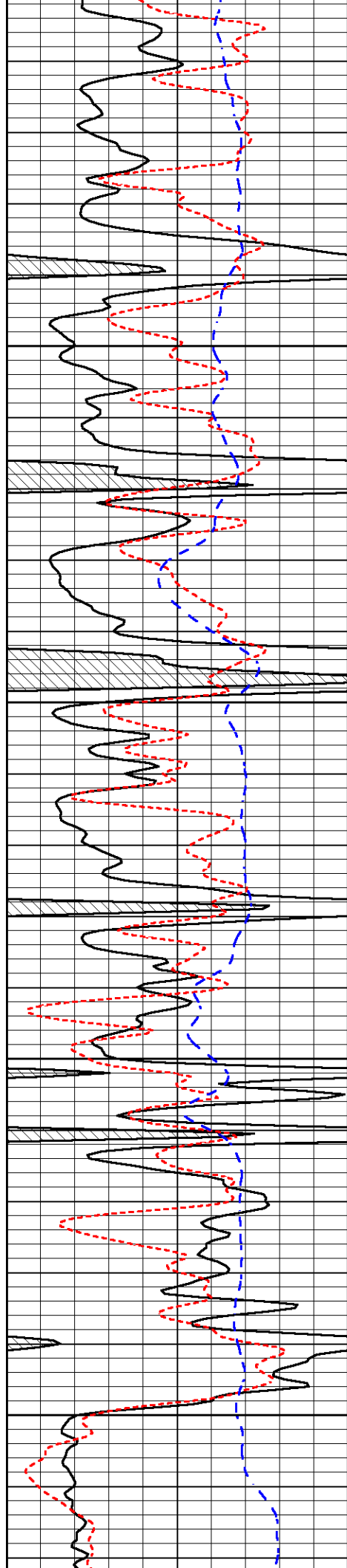
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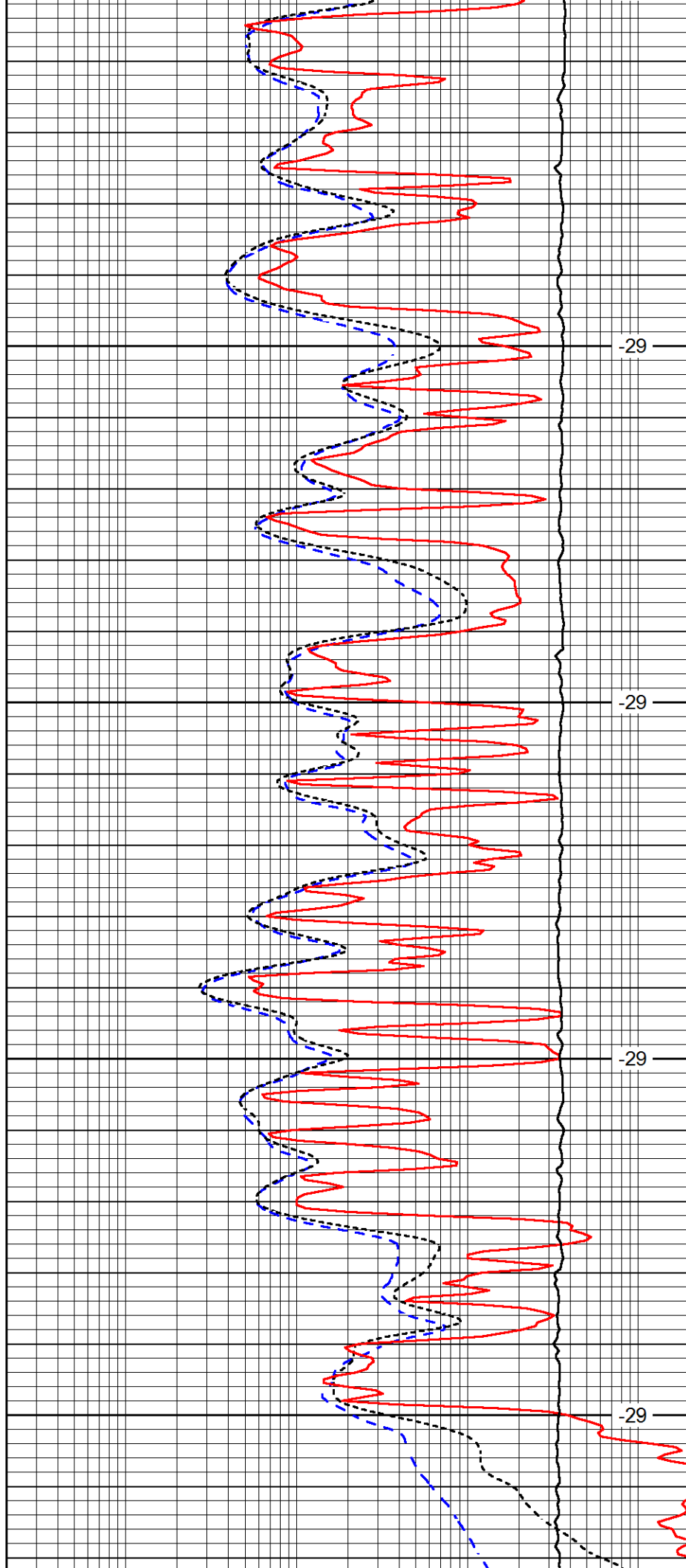


4300

4350

4400

4450

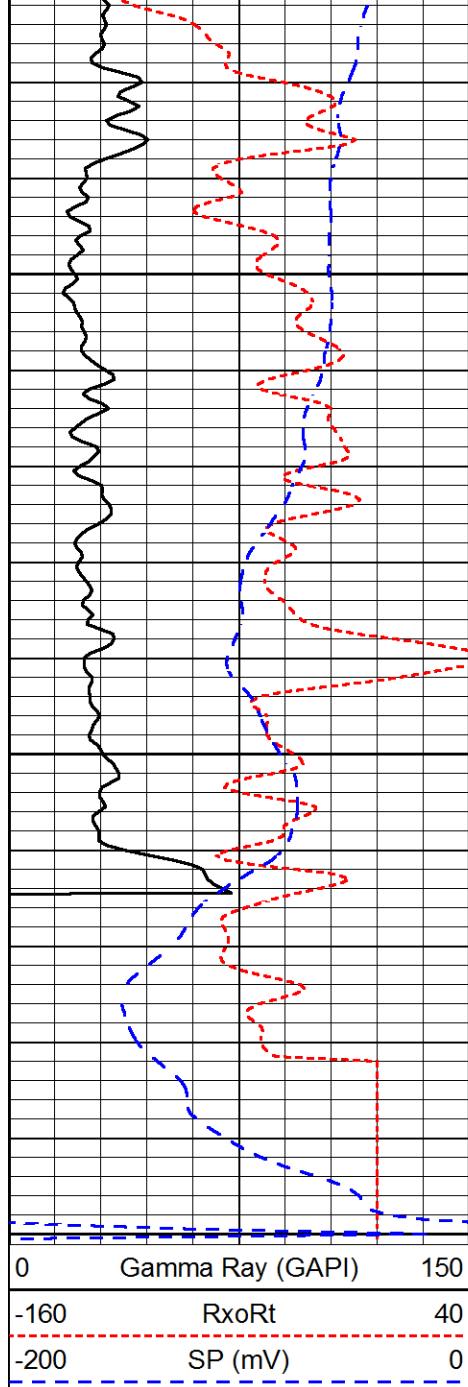


-29

-29

-29

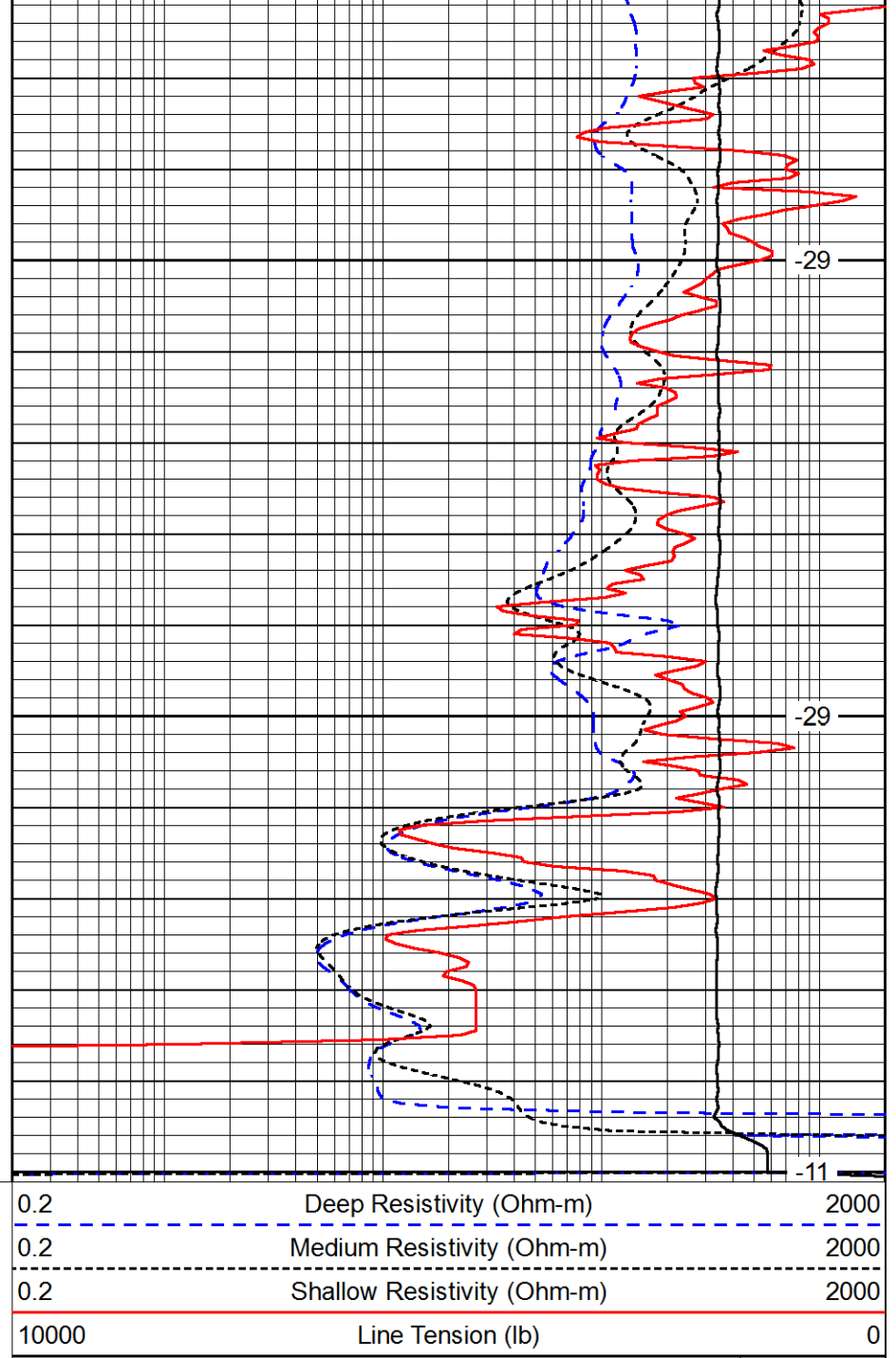
-29



4500

4550

4600



-29

-29

-11

LSPD
(ft/min)