



Pioneer Energy Services

Radiation Guard Log

API No.	15-147-20,746-00-00		
Company	Bach Oil Production		
Well	Cox # 1		
Field	Wildcat		
County	Phillips	State	Kansas
Location	SW NE SE NE 3,362' FSL & 360' FEL		Other Services NONE
Sec: 3	Twp: 1S	Rge: 19W	Elevation K.B. 2013 D.F. 2008 G.L. 2008
Permanent Datum	Ground Level	Elevation 2008	
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum	
Drilling Measured From	From Kelly Bushing		
Date	9/20/2014		
Run Number	One		
Depth Driller	3451		
Depth Logger	3439		
Bottom Logged Interval	3438		
Top Log Interval	200		
Casing Driller	8.625 @ 223		
Casing Logger	222		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	400		
Density / Viscosity	8.8	50	
pH / Fluid Loss	10.5	4.8	
Source of Sample	Flowline		
Rm @ Meas. Temp	1.00 @ 82		
Rmf @ Meas. Temp	.75 @ 82		
Rmc @ Meas. Temp	1.35 @ 82		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.74 @ 111		
Operating Rig Time	3 1/2 Hours		
Max Rec. Temp. F	111		
Equipment Number	108		
Location	Hays		
Recorded By	J. Long		
Witnessed By	Bob Petersen		

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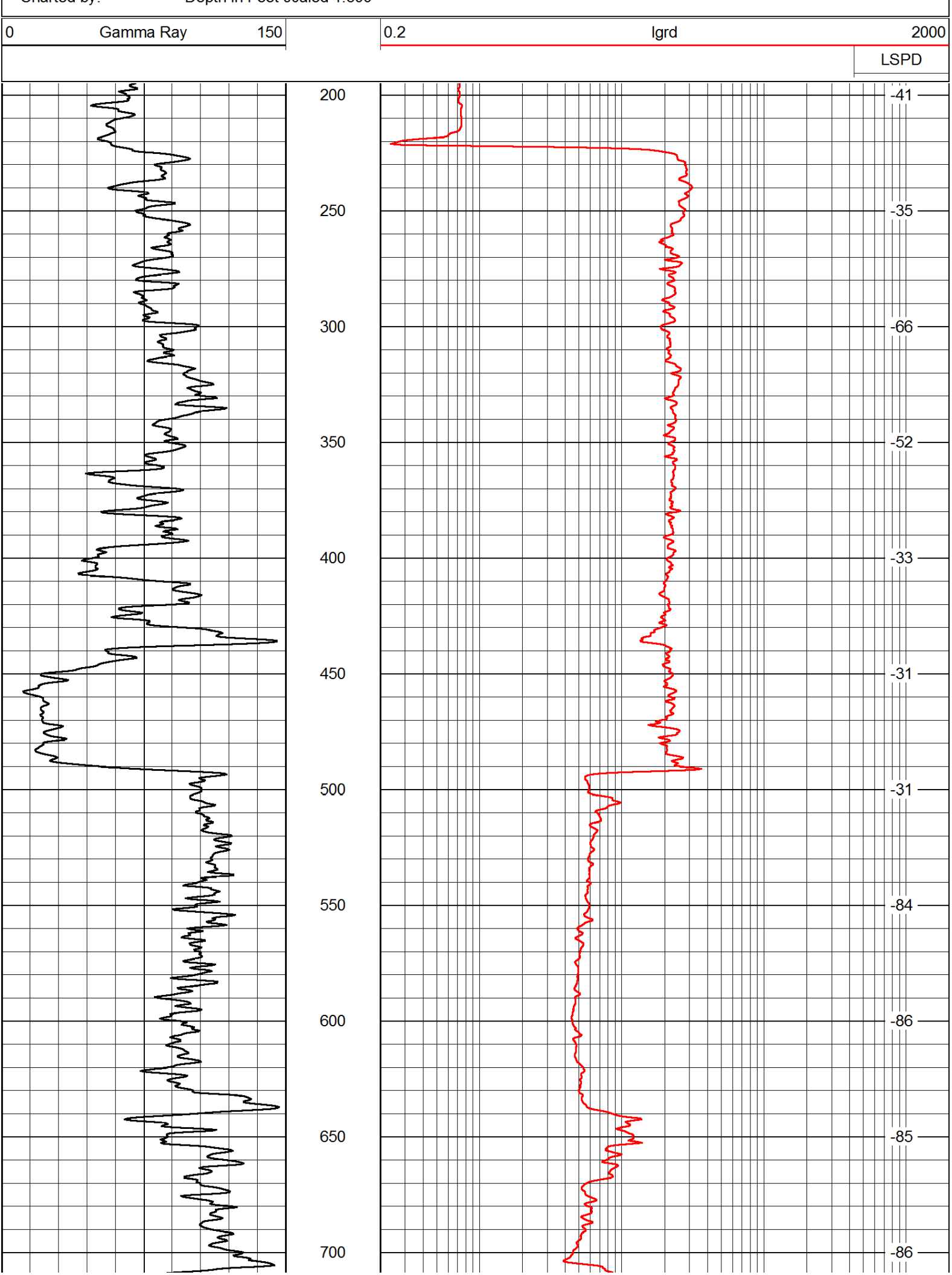
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

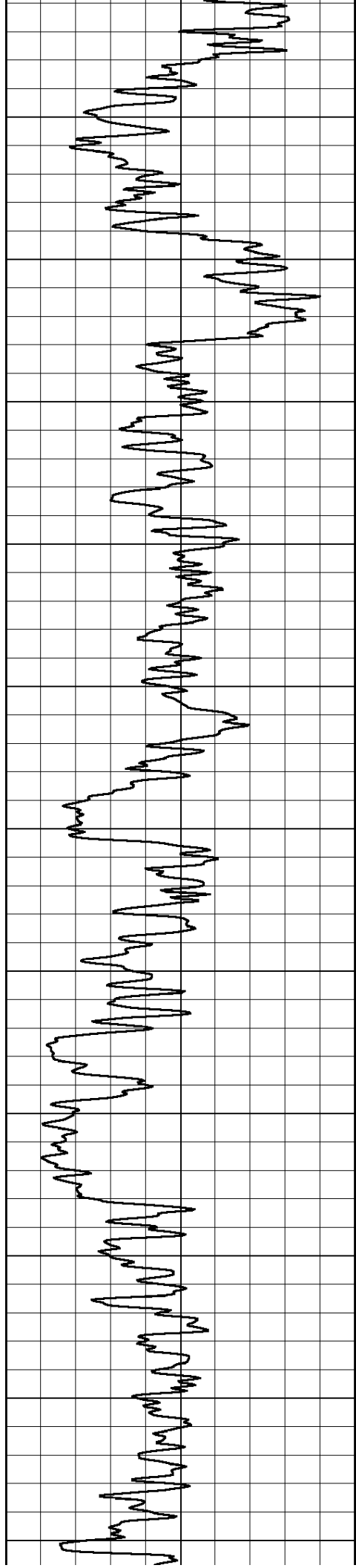
Comments

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

Phillipsburg, North to 383 Highway, West to 600 Road, 1 North, North Into

Database File: c:\warrior\data\bach_cox #1\bach_cox_1hd.db
Dataset Pathname: rag/bachrag
Presentation Format: rag2in
Dataset Creation: Sat Sep 20 03:21:17 2014
Charted by: Depth in Feet scaled 1:600





750

800

850

900

950

1000

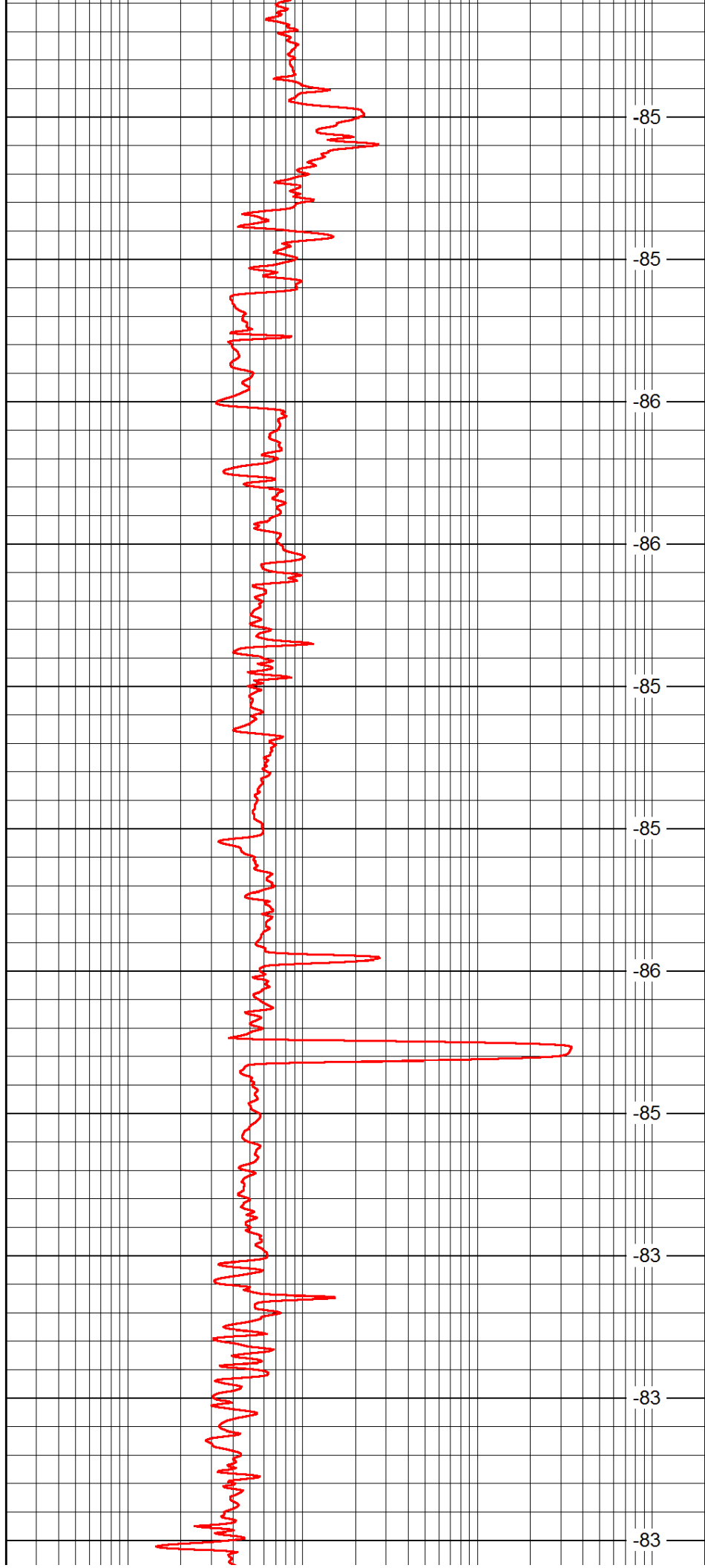
1050

1100

1150

1200

1250



-85

-85

-86

-86

-85

-85

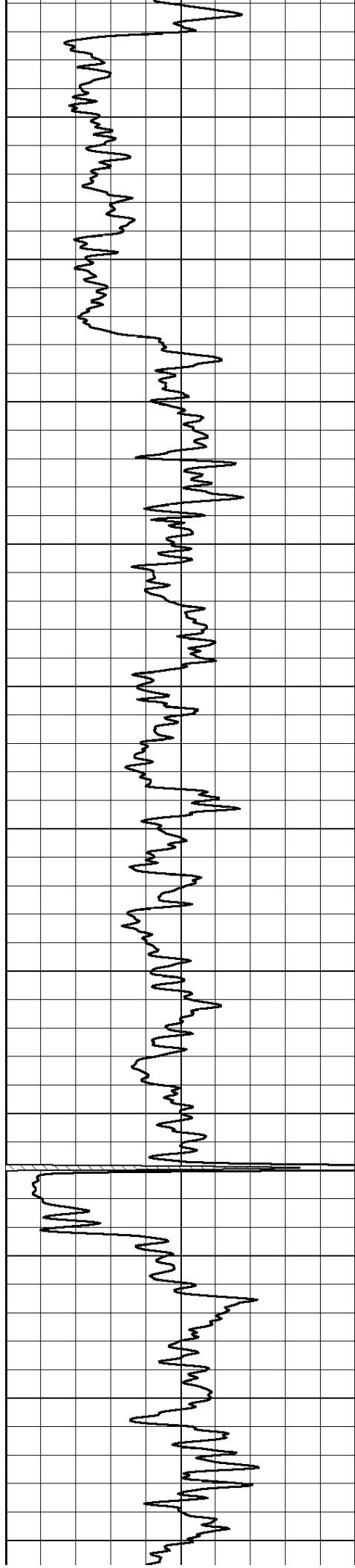
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-86

-85

-83

-83



1300

1350

1400

1450

1500

1550

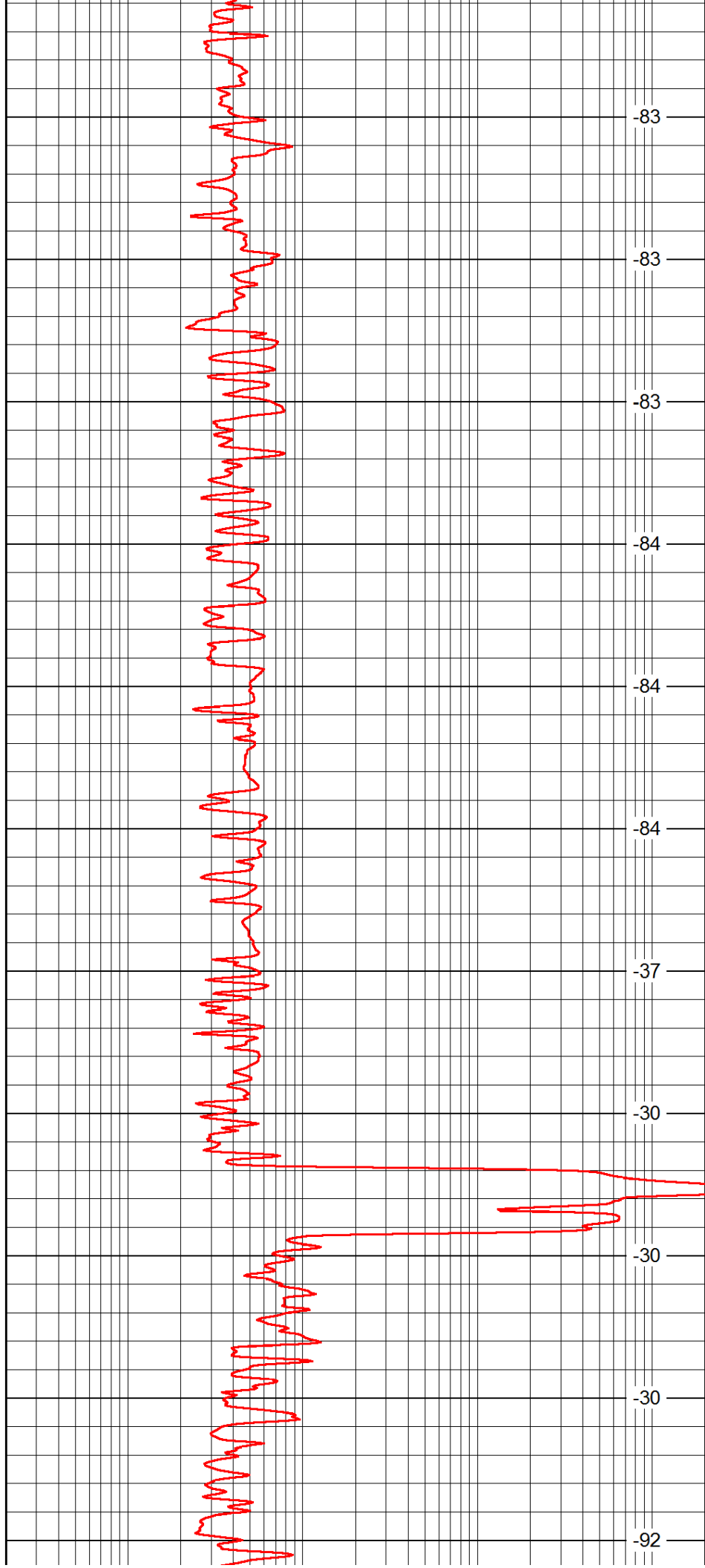
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1650

1700

1750

1800



-83

-83

-83

-84

-84

-84

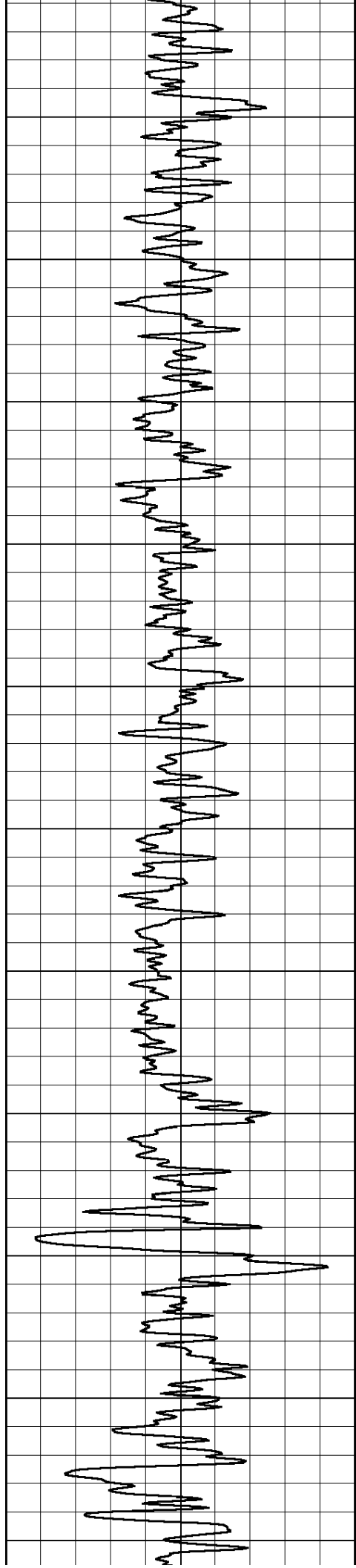
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-30

-30

-30

-92



1850

1900

1950

2000

2050

2100

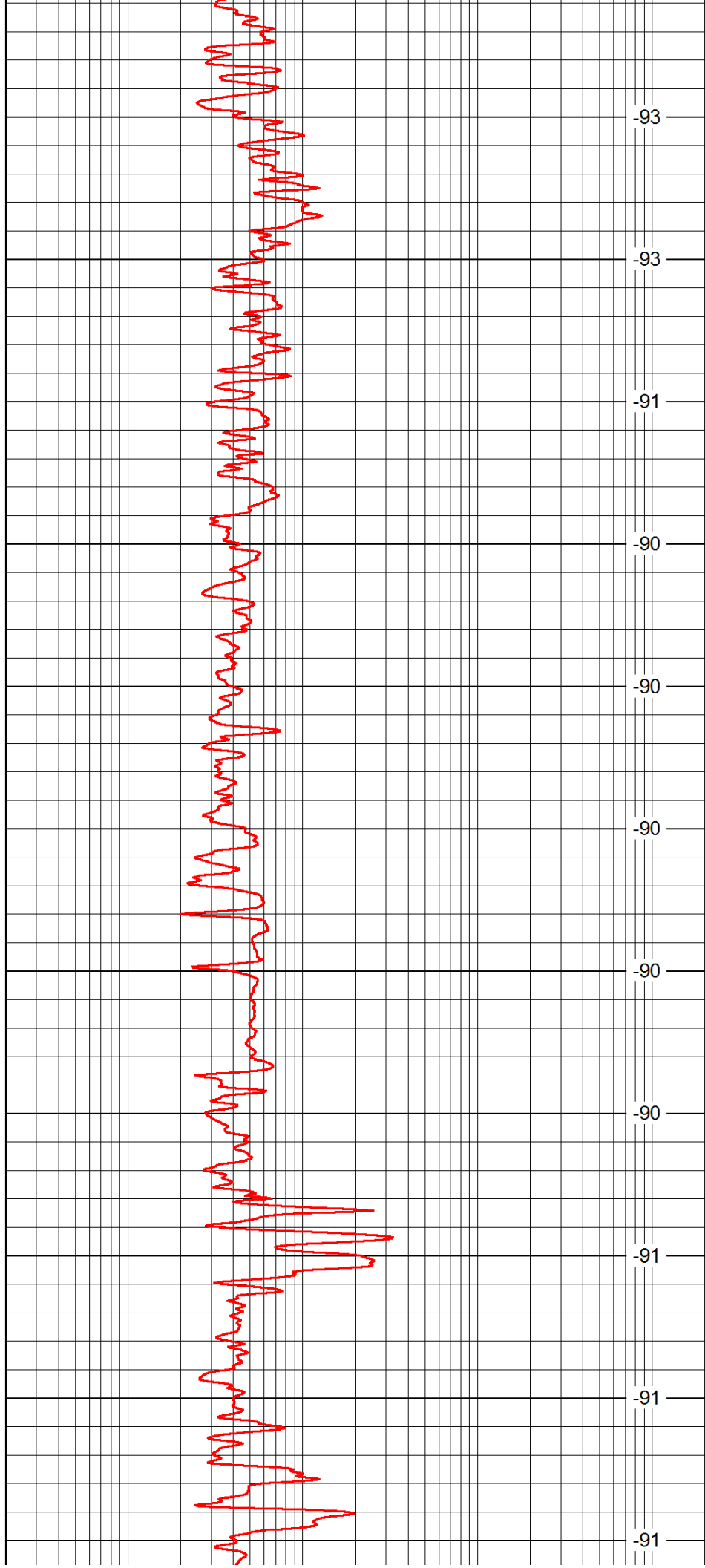
2150

2200

2250

2300

2350



-93

-93

-91

-90

-90

-90

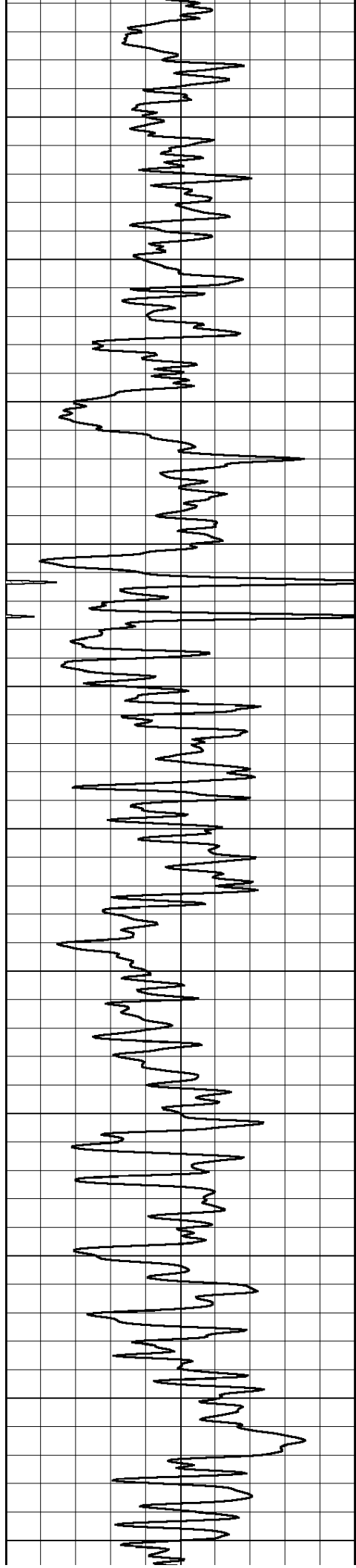
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-91

-91

-91



2400

2450

2500

2550

2600

2650

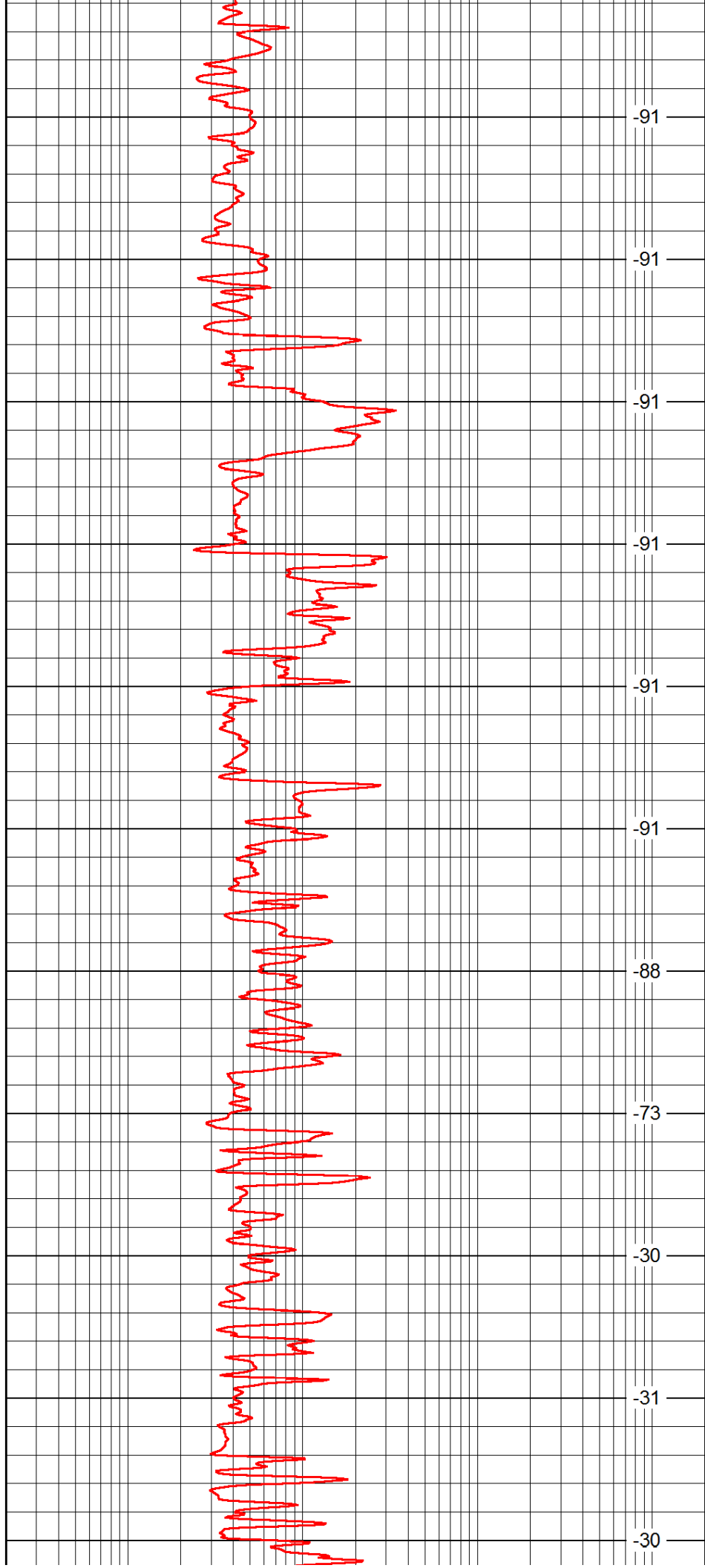
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2750

2800

2850

2900



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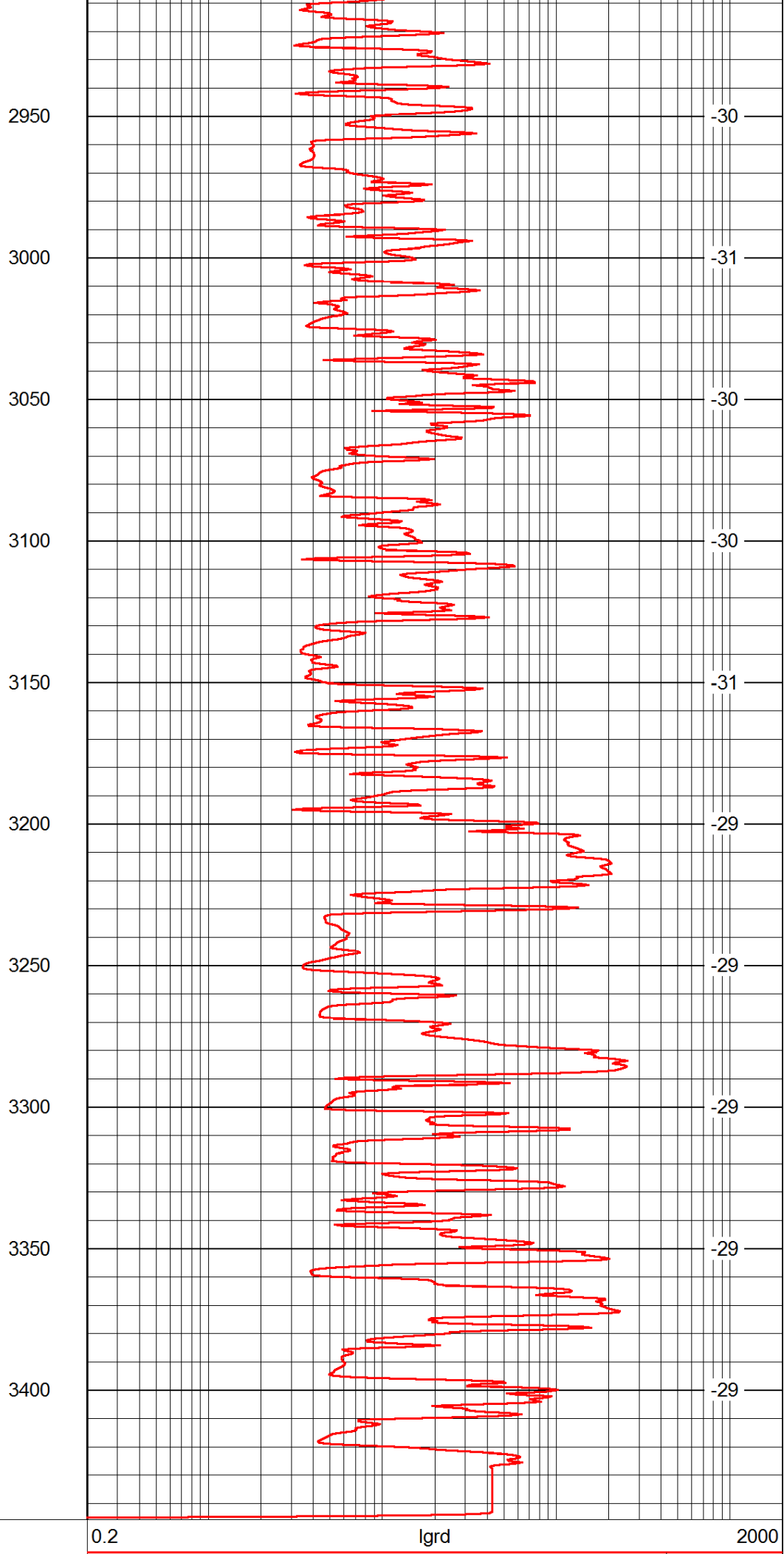
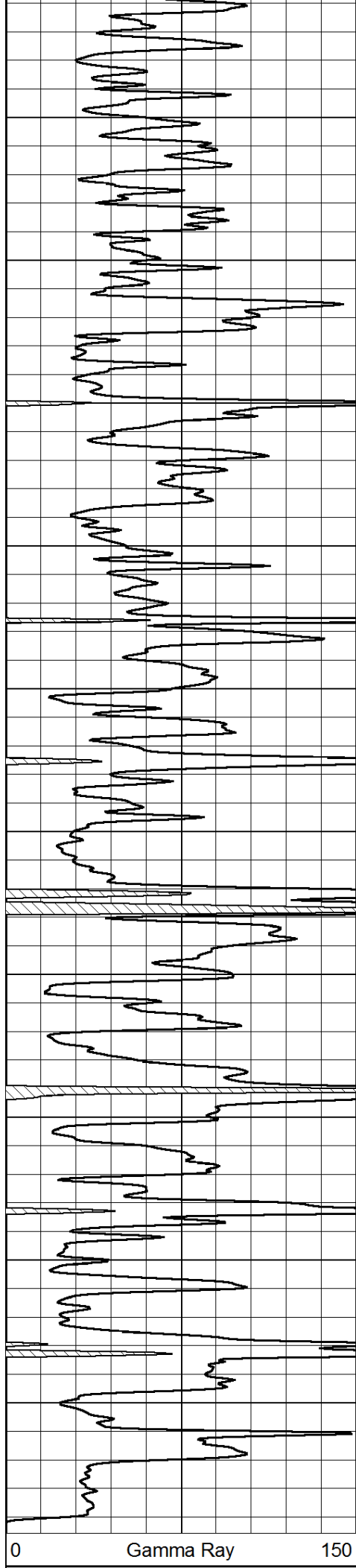
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-31

-30

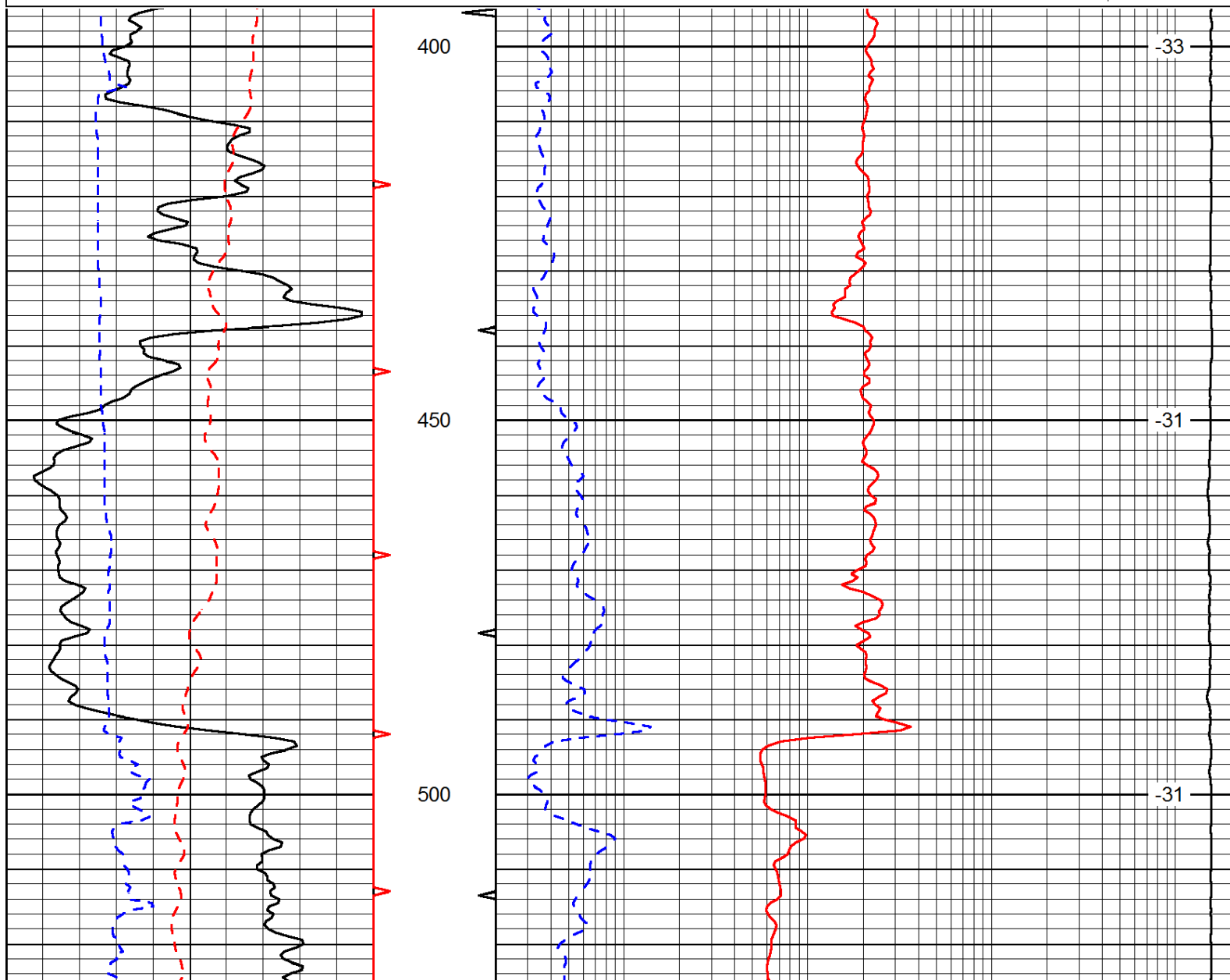


Database File: c:\warrior\data\bach_cox #1\bach_cox_1hd.db
Dataset Pathname: rag/bachrag
Presentation Format: rag
Dataset Creation: Sat Sep 20 03:21:17 2014
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
6	Caliper (GAPI)	16
-200	SP (mV)	0

0.2	Long Guard	2000
560	Neutron	2160
15000	Line Tension	0

LSPD



0	Gamma Ray	150
6	Caliper (GAPI)	16
-200	SP (mV)	0

0.2	Long Guard	2000
560	Neutron	2160
15000	Line Tension	0

LSPD

Database File: c:\warrior\data\bach_cox #1\bach_cox_1hd.db
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