



Pioneer Energy Services

Radiation Guard Log

API No.	Company Berexco, LLC		
	Well Michael #5-22		
	Field Wildcat		
	County Rawlins	State	Kansas
	Location	NE SE NE 1650' FNL / 330' FEL	
	Sec: 22	Twp: 1S	Rge: 36W
			Other Services MEL
Permanent Datum	Ground Level	Elevation 3252	
Log Measured From	Kelly Bushing	13 Ft. Above Perm. Datum	
Drilling Measured From	Kelly Bushing	K.B. 3265 D.F. 3252 G.L. 3252	
Date	11/2/2013		
Run Number	One		
Depth Driller	4525		
Depth Logger	4516		
Bottom Logged Interval	4515		
Top Log Interval	300		
Casing Driller	8.625 @ 310		
Casing Logger	318		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	300		
Density / Viscosity	8.7 40		
pH / Fluid Loss	8.5 6.8		
Source of Sample	Flowline		
Rm @ Meas. Temp	0.72 @ 48		
Rmf @ Meas. Temp	0.54 @ 48		
Rmc @ Meas. Temp	0.97 @ 48		
Source of Rmf / Rmc	Charts		
Rm @ BHT	0.29 @ 121		
Operating Rig Time	4 Hours		
Max Rec. Temp. F	121		
Equipment Number	17		
Location	Hays		
Recorded By	R. Barnhart		
Witnessed By	Peter Vollmer		

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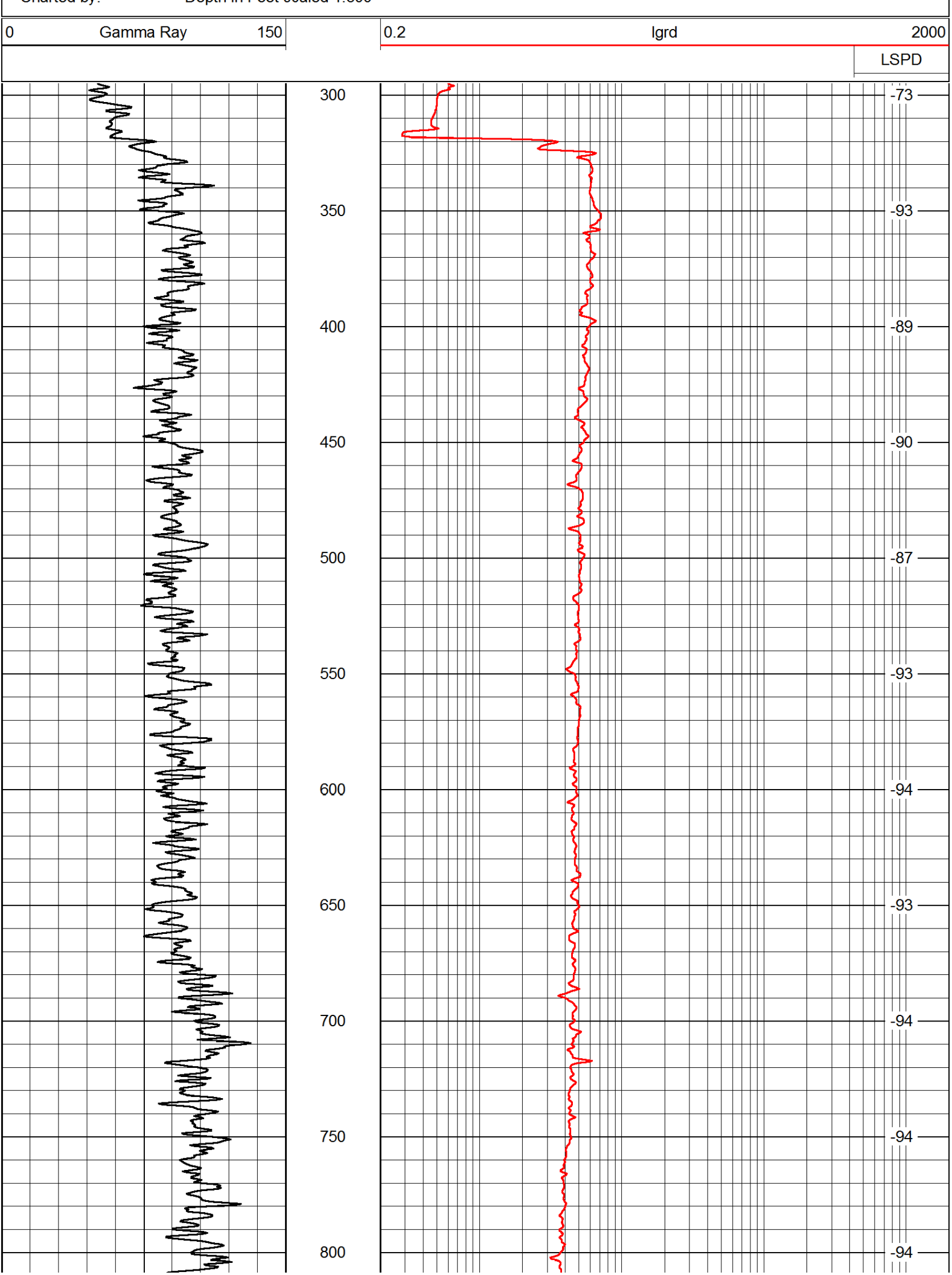
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

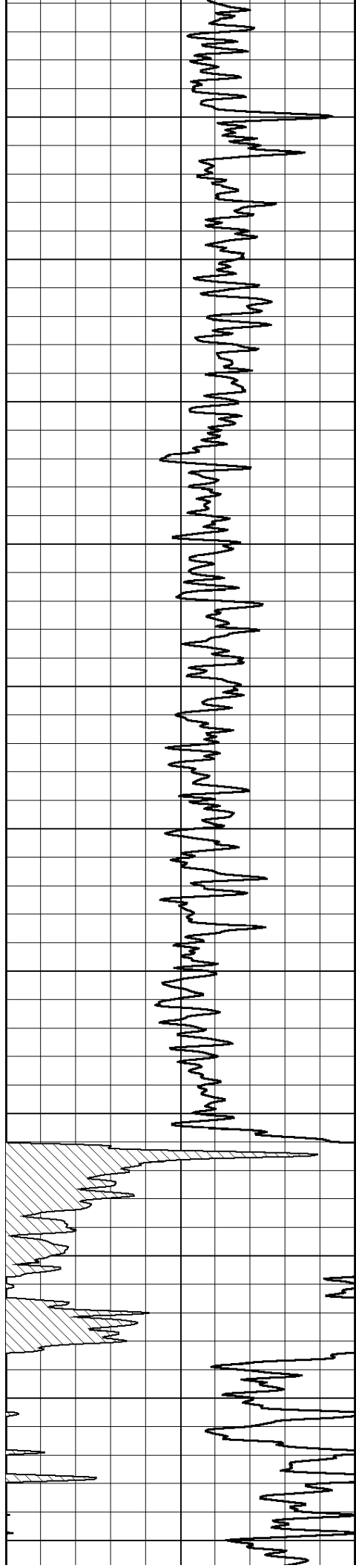
Comments

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

Beardsley, KS:
8N to AA Rd., W to 7 Rd., 1N, W to rig

Database File: c:\warrior\data\berexco_michael #5-22\berexco_hd.db
Dataset Pathname: rag/bermain
Presentation Format: rag2in
Dataset Creation: Sat Nov 02 08:01:07 2013
Charted by: Depth in Feet scaled 1:600





850

900

950

1000

1050

1100

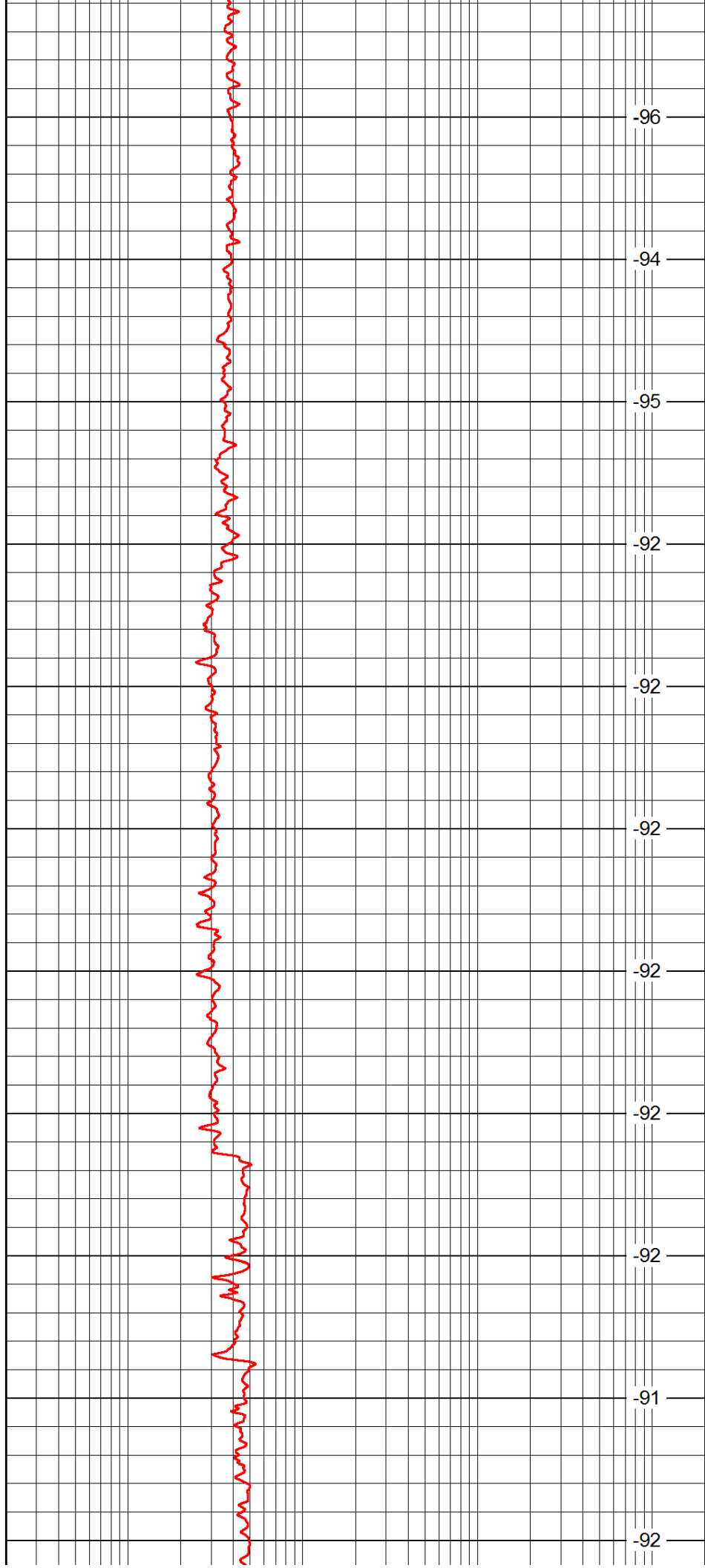
1150

1200

1250

1300

1350



-96

-94

-95

-92

-92

-92

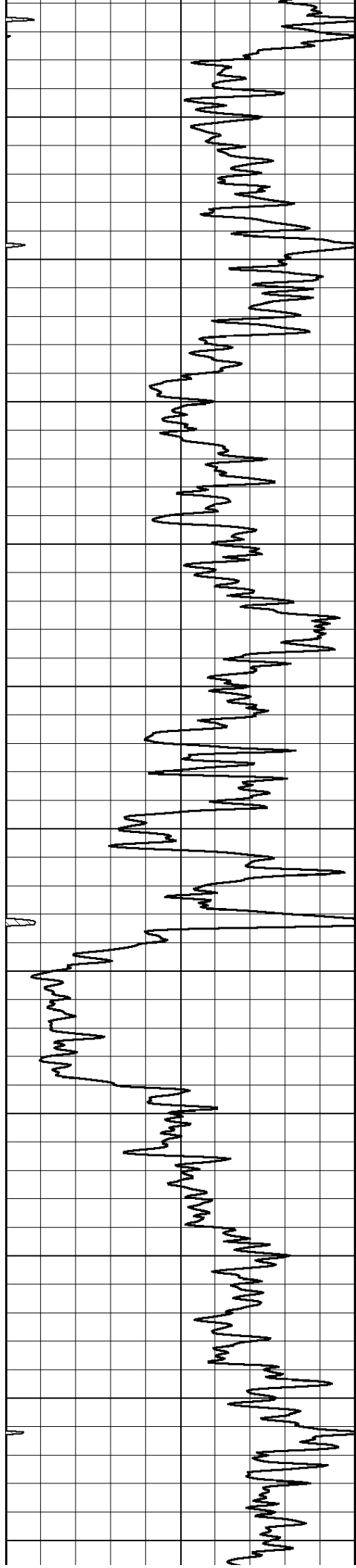
-92

-92

-92

-91

-92



1400

1450

1500

1550

1600

1650

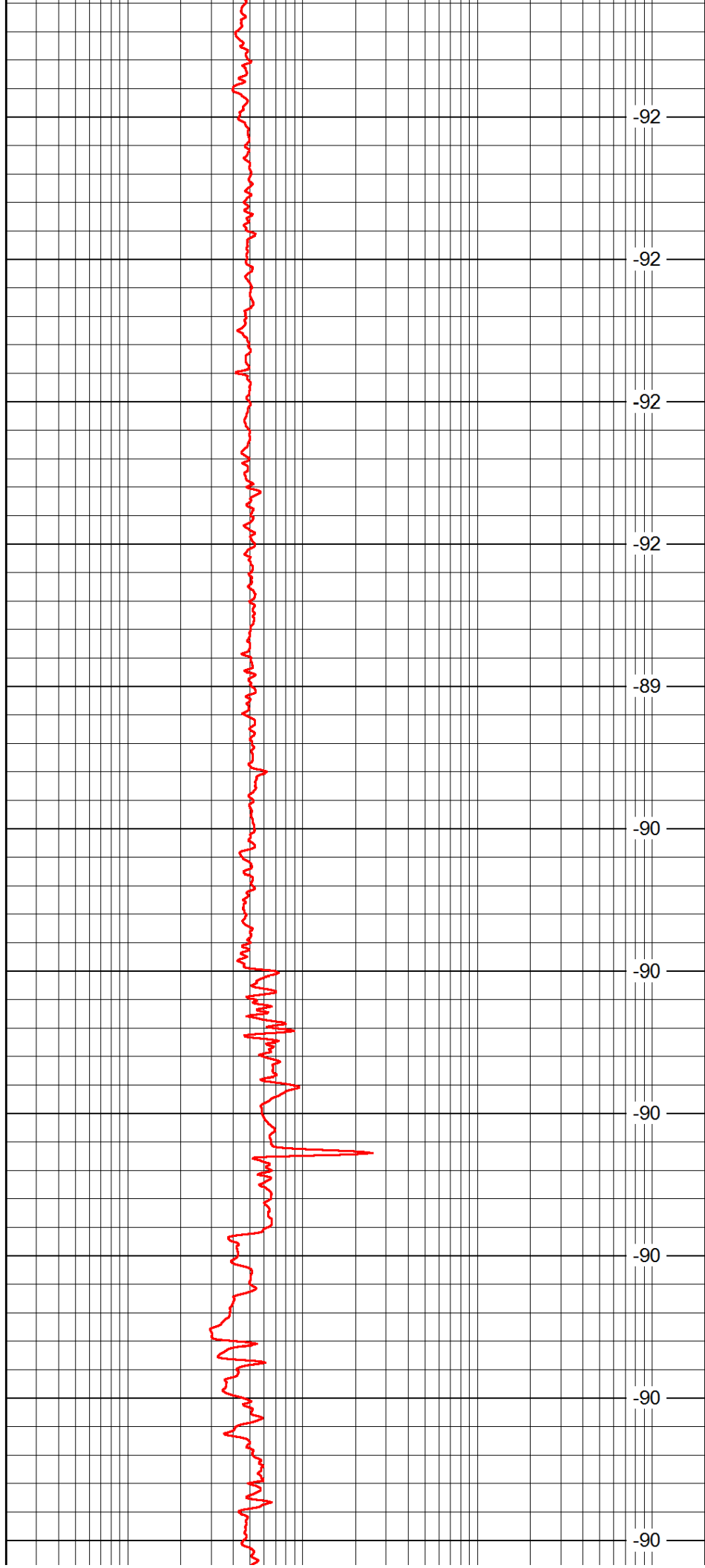
1700

1750

1800

1850

1900



-92

-92

-92

-92

-89

-90

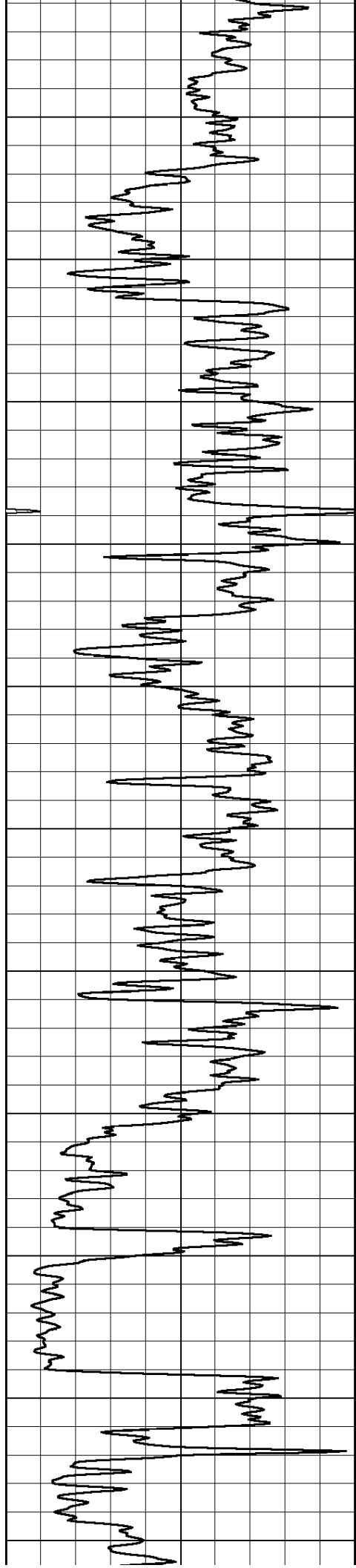
-90

-90

-90

-90

-90



1950

2000

2050

2100

2150

2200

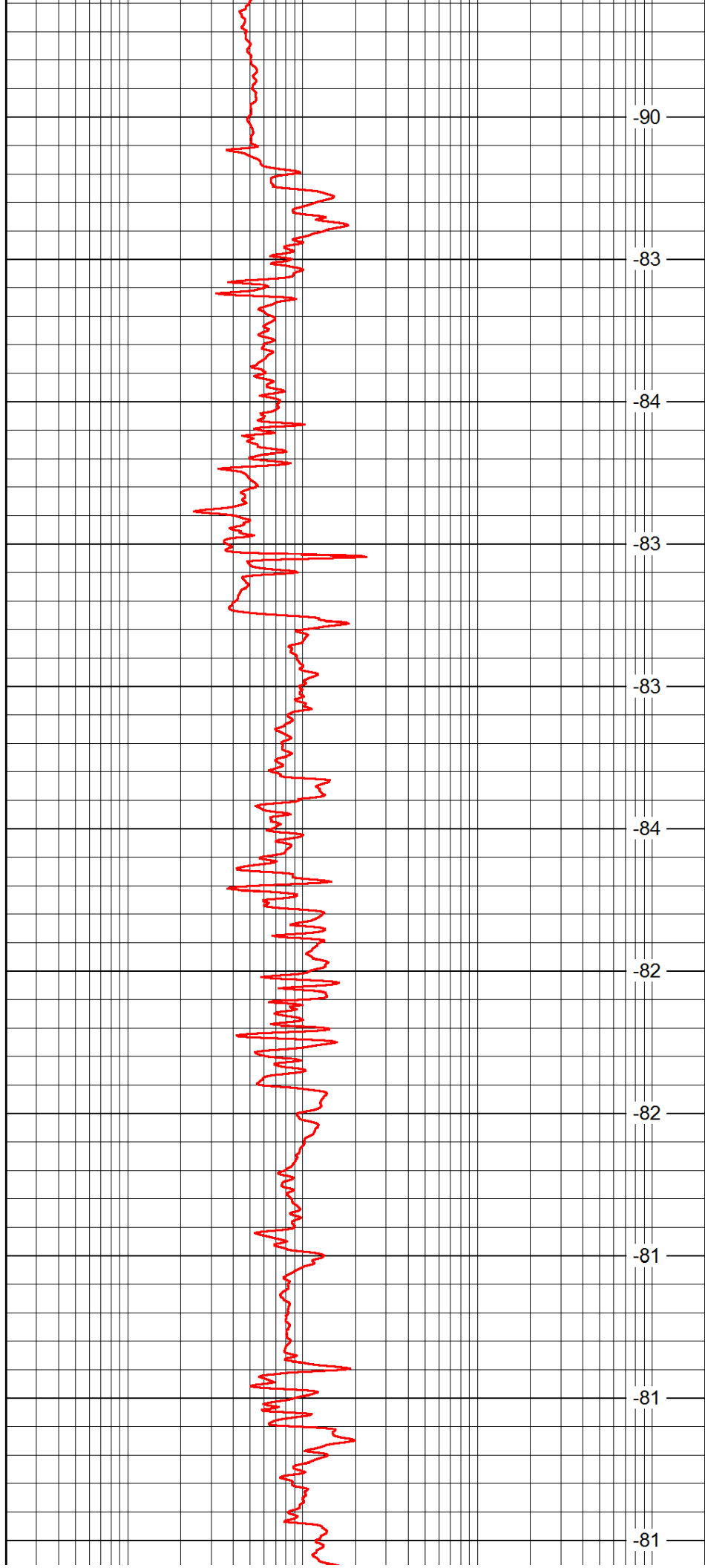
2250

2300

2350

2400

2450



-90

-83

-84

-83

-83

-84

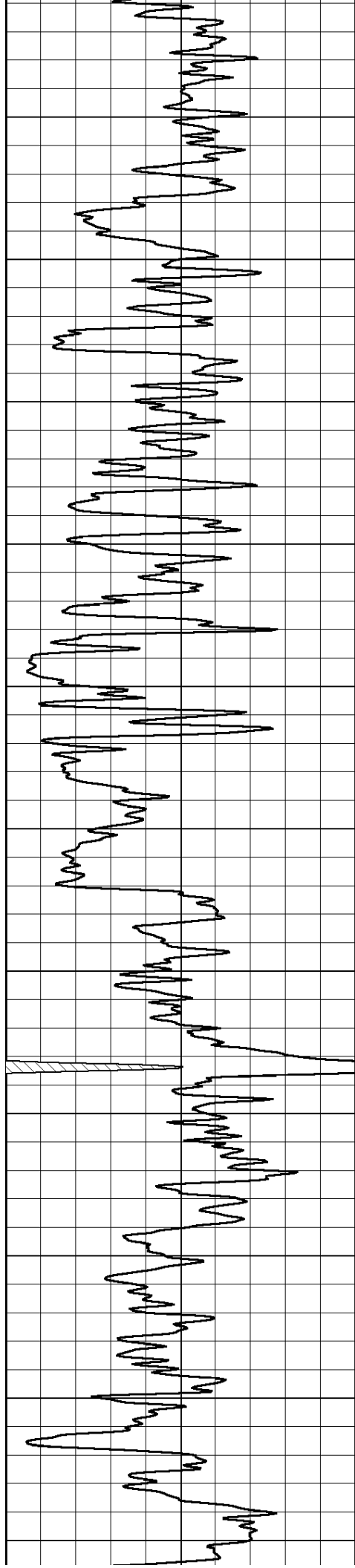
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-82

-81

-81

-81



2500

2550

2600

2650

2700

2750

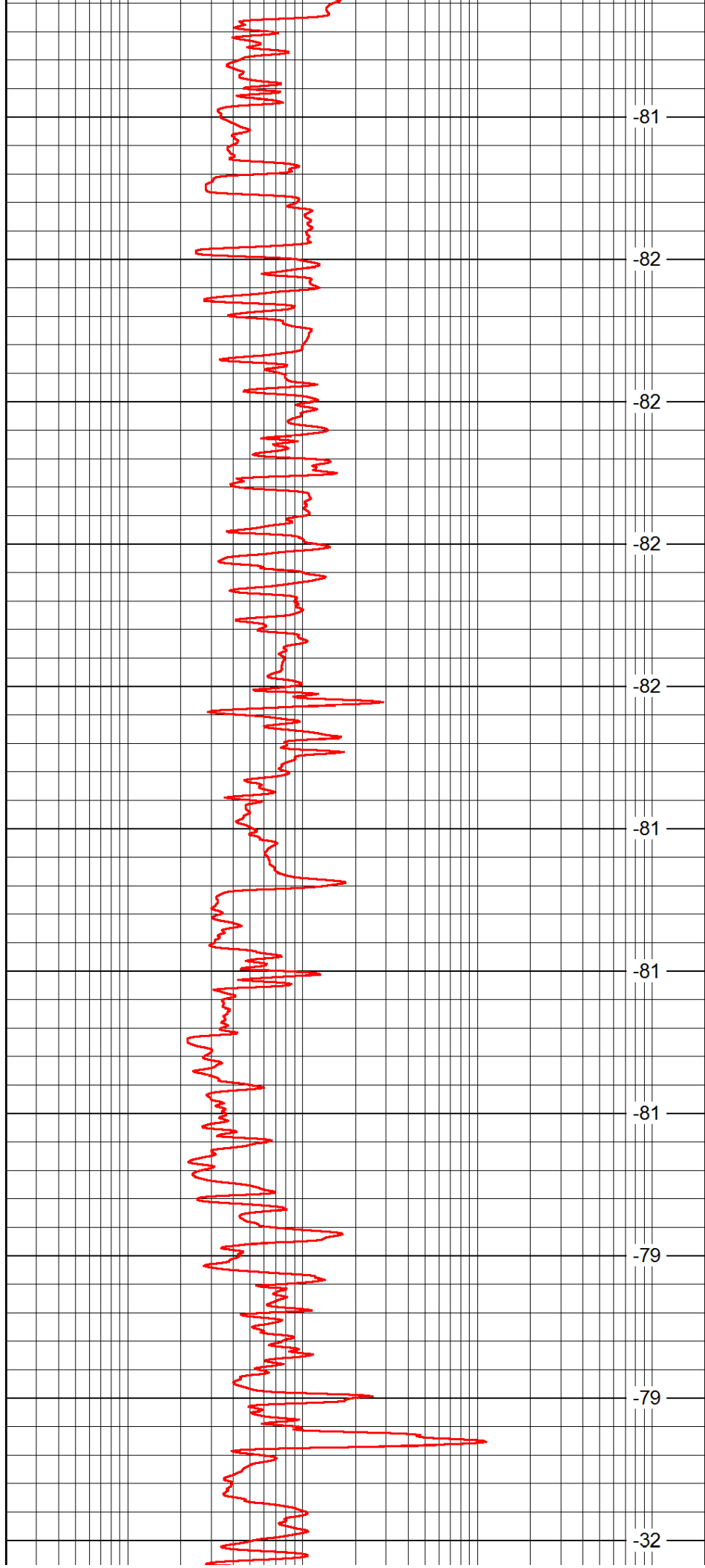
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2850

2900

2950

3000



-81

-82

-82

-82

-82

-81

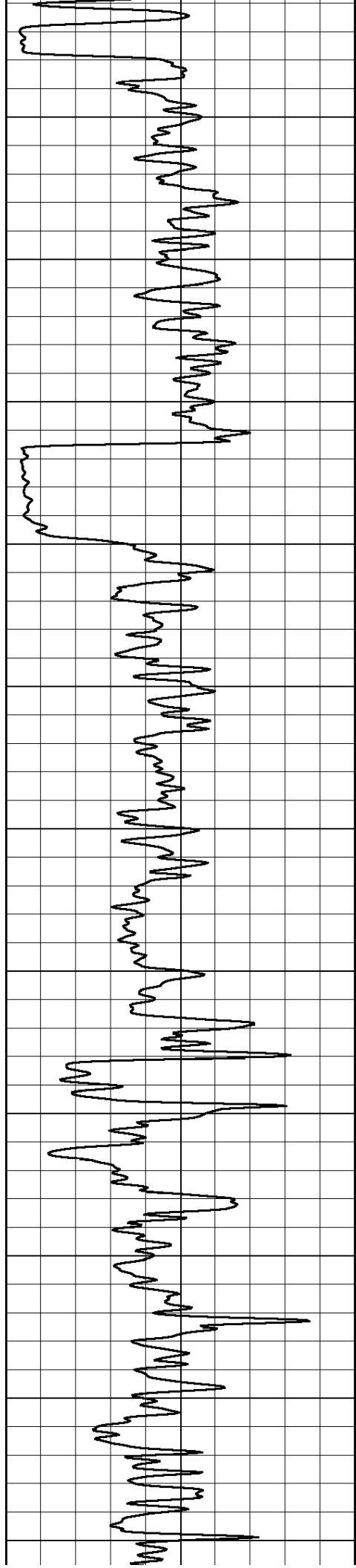
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-81

-79

-79

-32



3050

3100

3150

3200

3250

3300

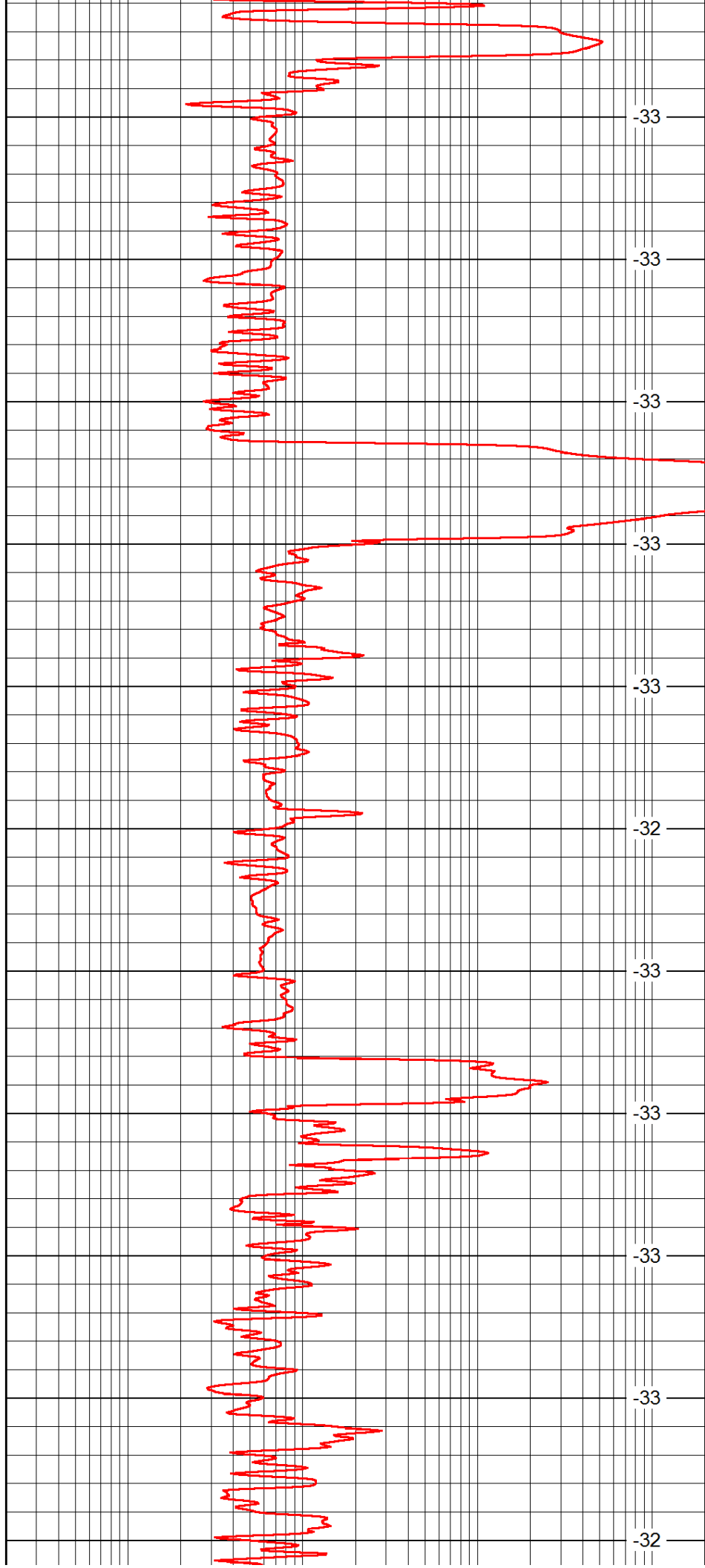
3350

3400

3450

3500

3550



-33

-33

-33

-33

-33

-32

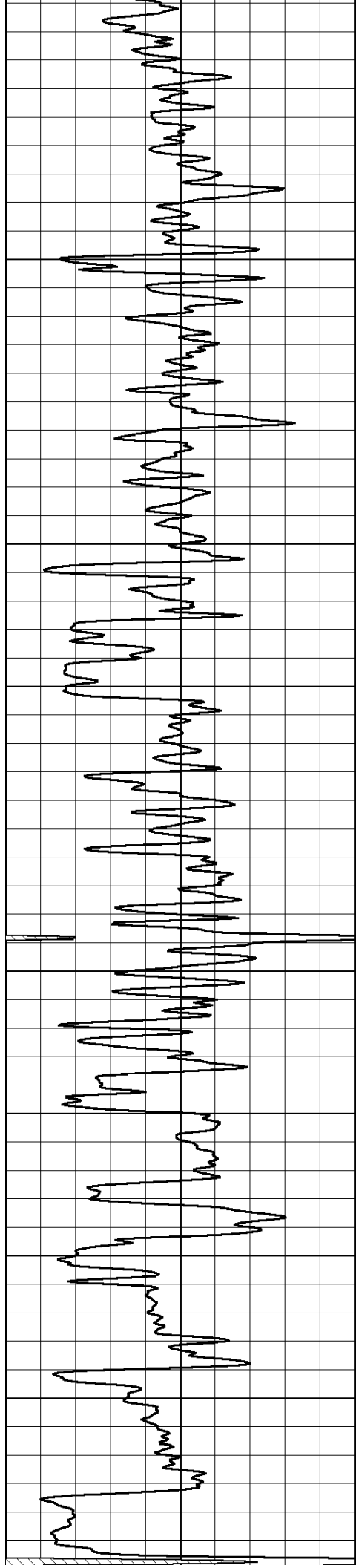
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-33

-33

-33

-32



3600

3650

3700

3750

3800

3850

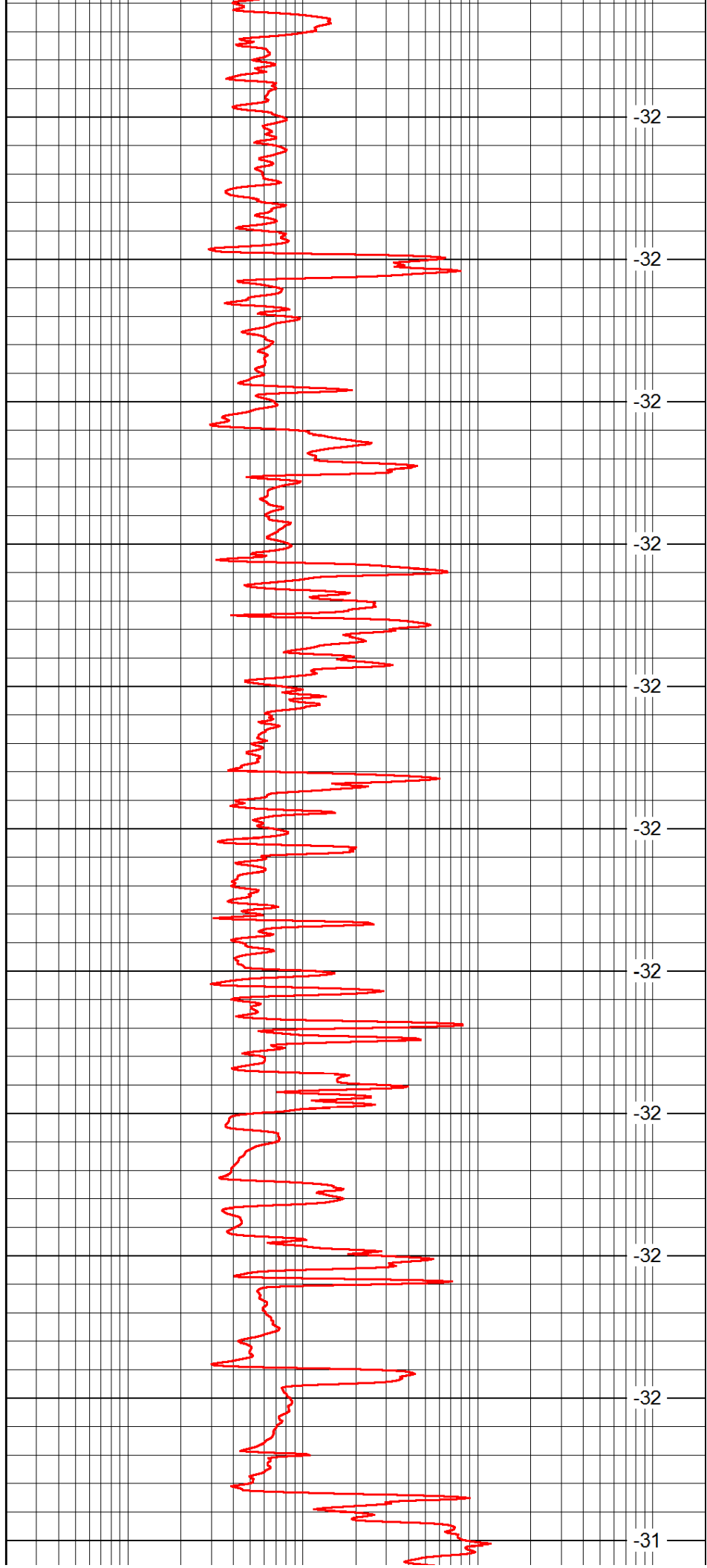
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3950

4000

4050

4100



-32

-32

-32

-32

-32

-32

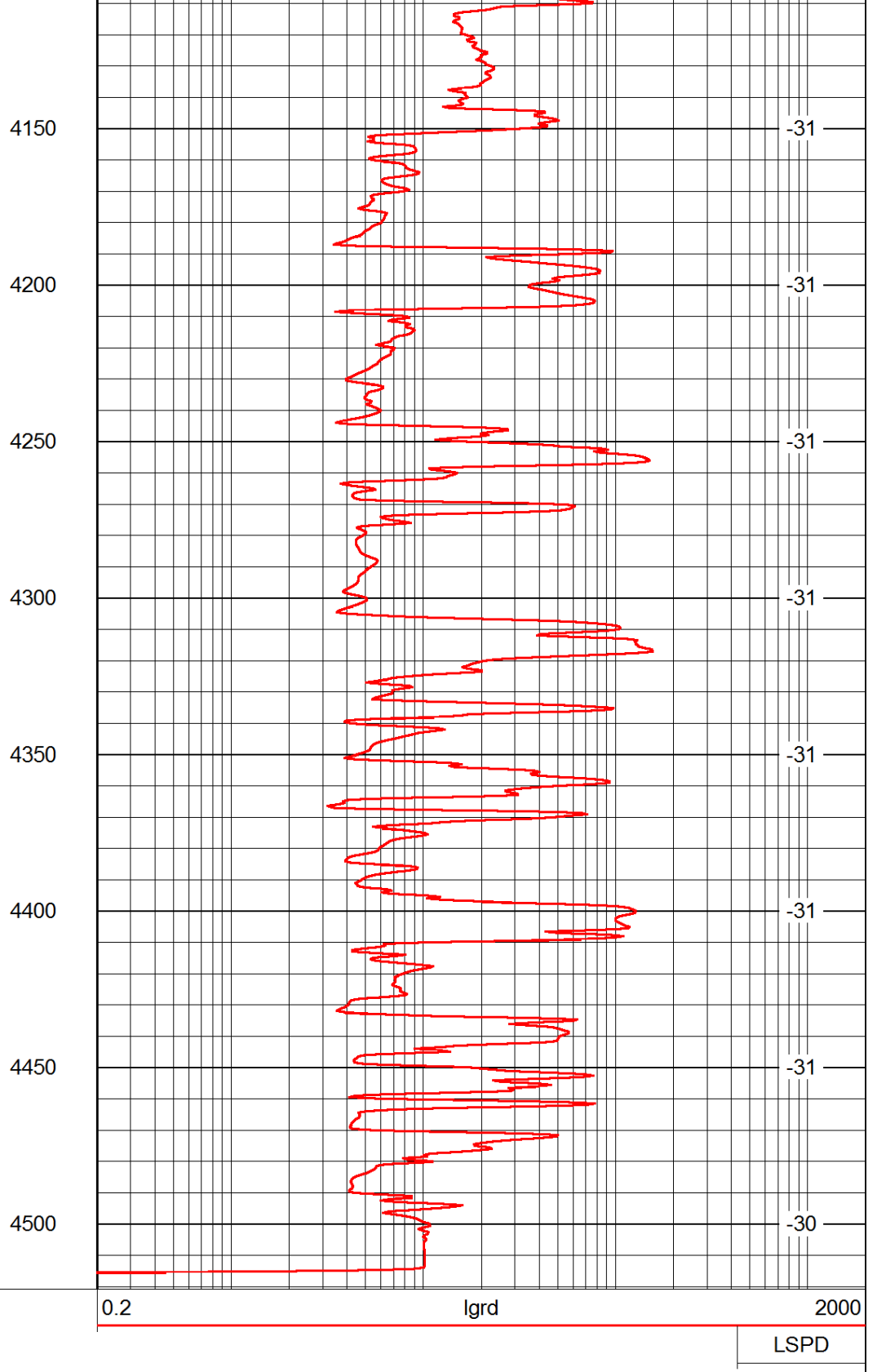
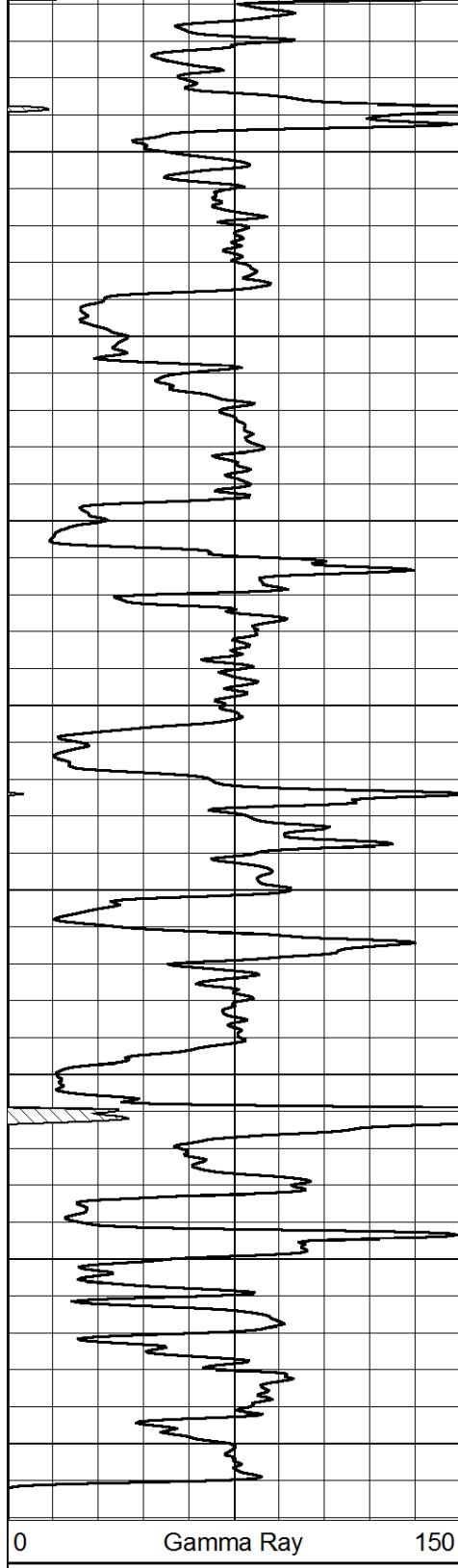
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-32

-32

-32

-31

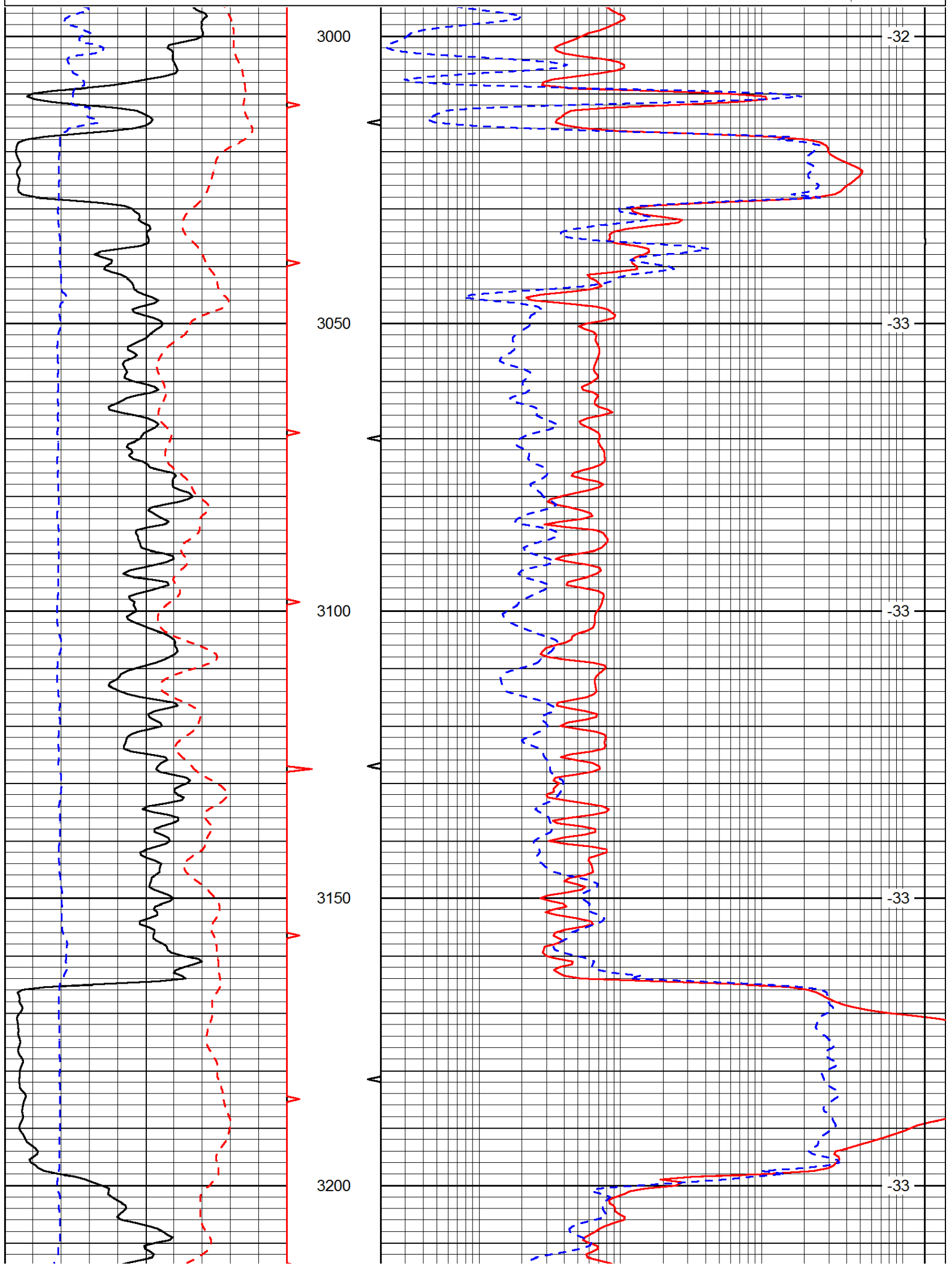


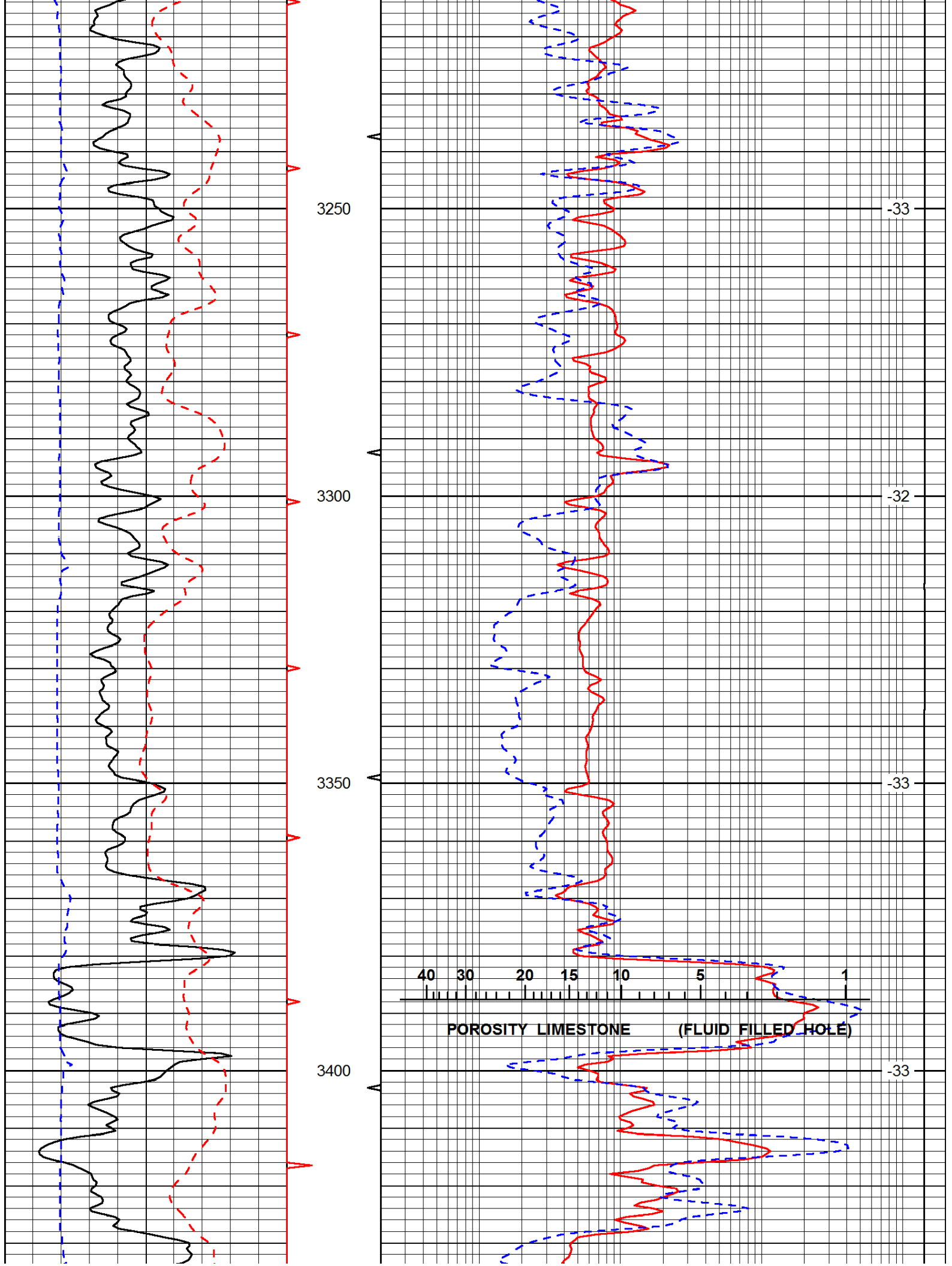
Database File: c:\warrior\data\berexco_michael #5-22\berexco_hd.db
 Dataset Pathname: rag/bermain
 Presentation Format: rag
 Dataset Creation: Sat Nov 02 08:01:07 2013
 Charted by: Depth in Feet scaled 1:240

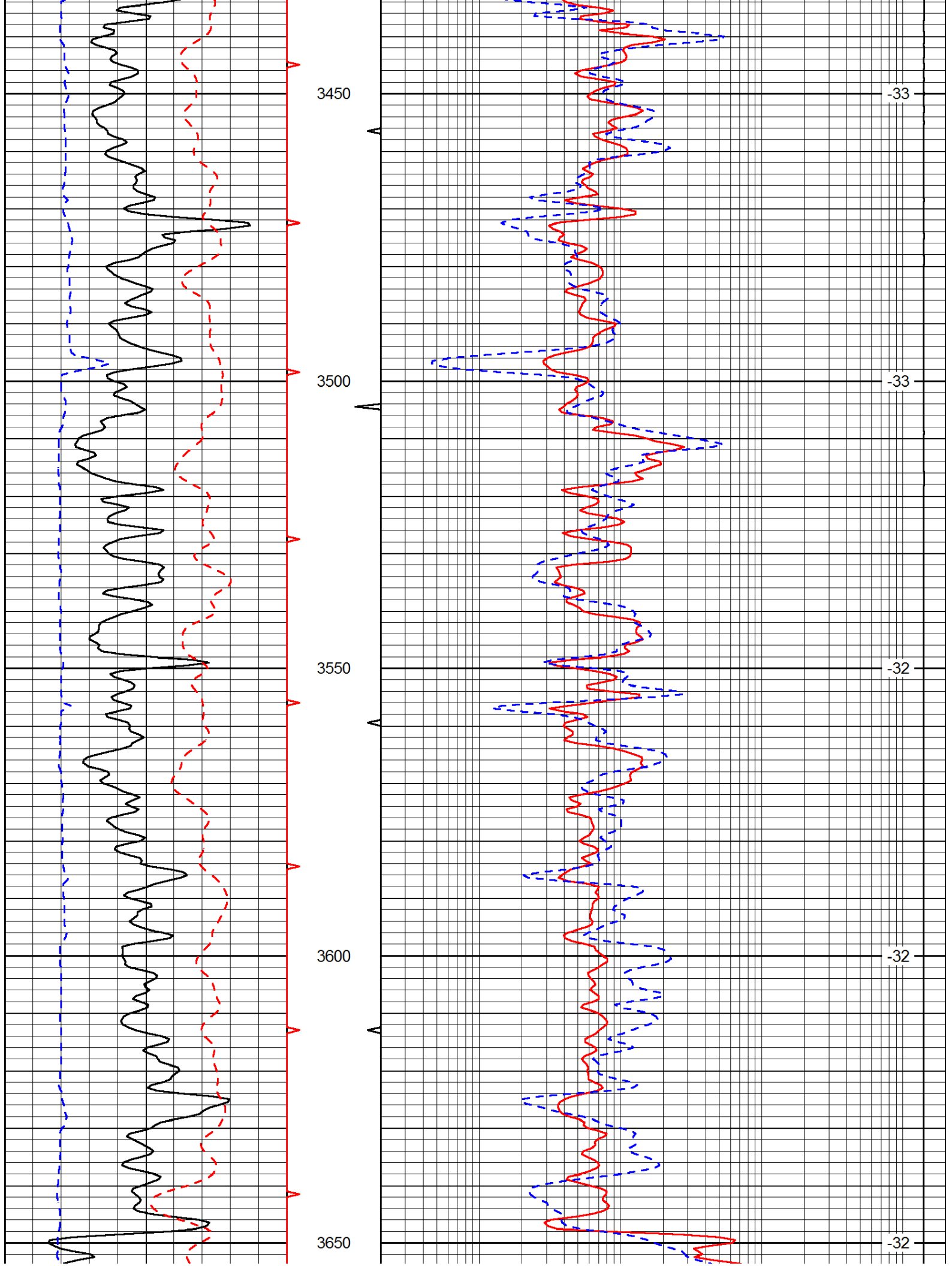
0	Gamma Ray	150
6	Caliper (GAPI)	16
-200	SP (mV)	0

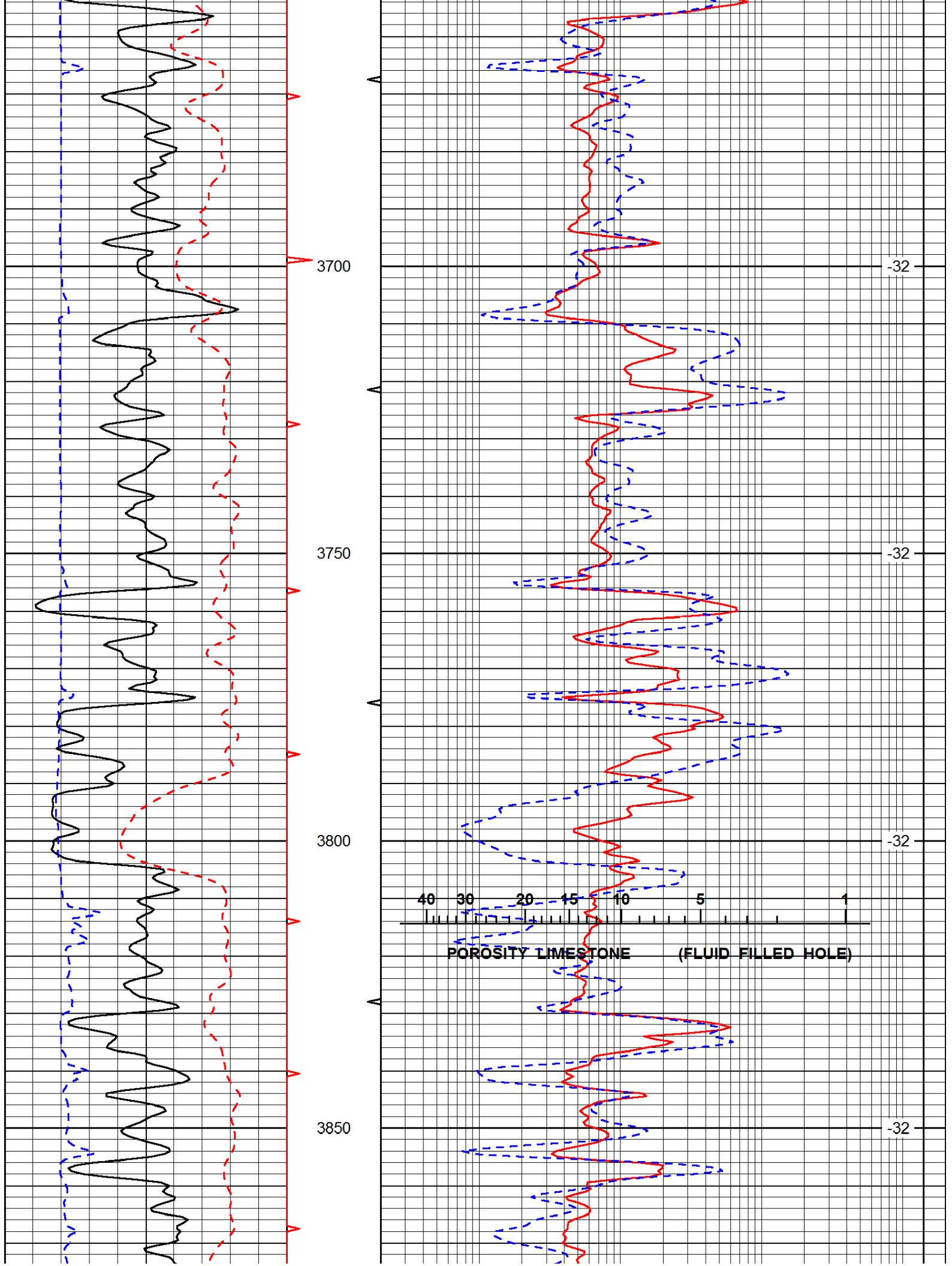
0.2	Long Guard	2000
560	Neutron	2160
15000	Line Tension	0

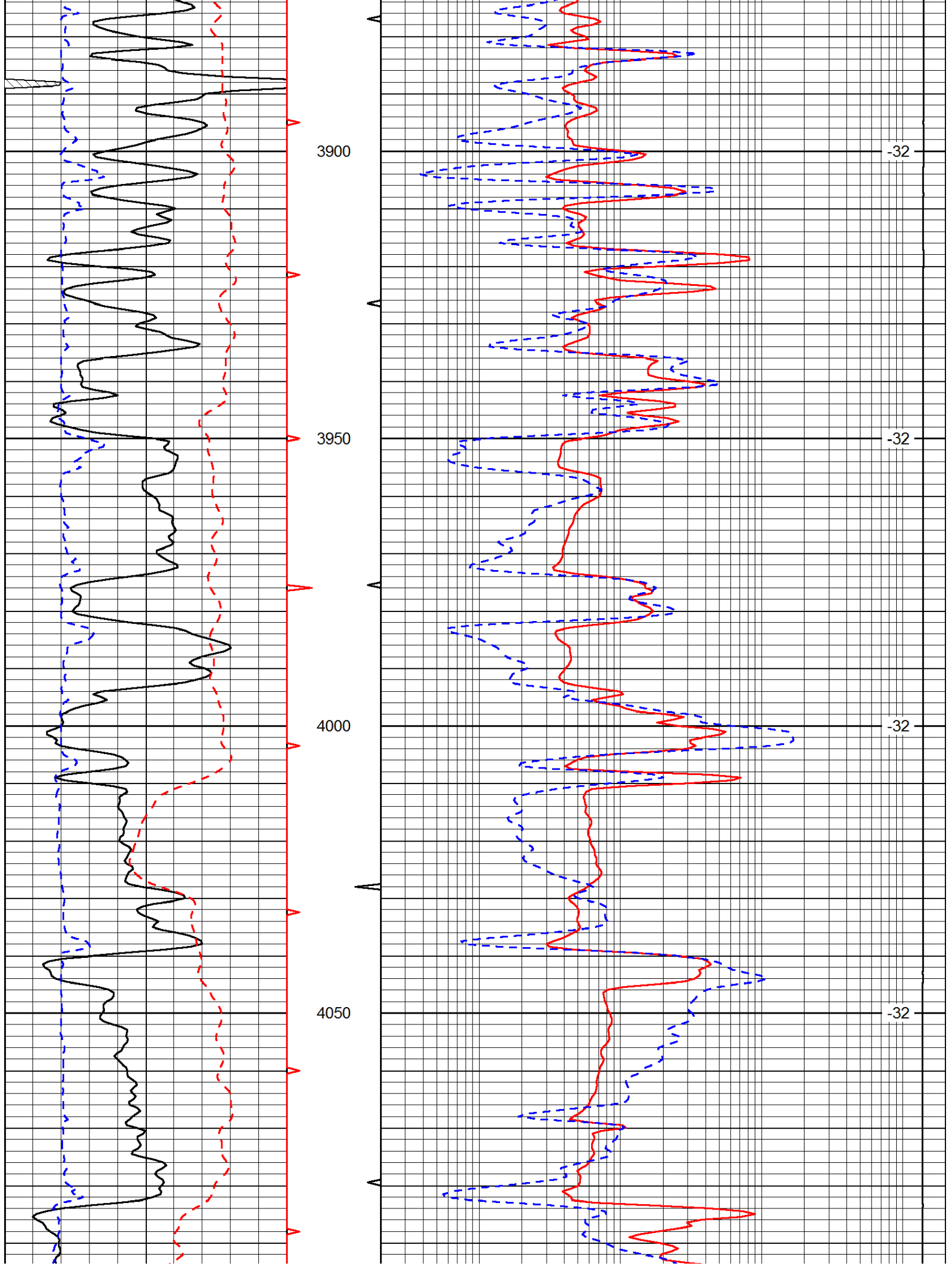
LSPD

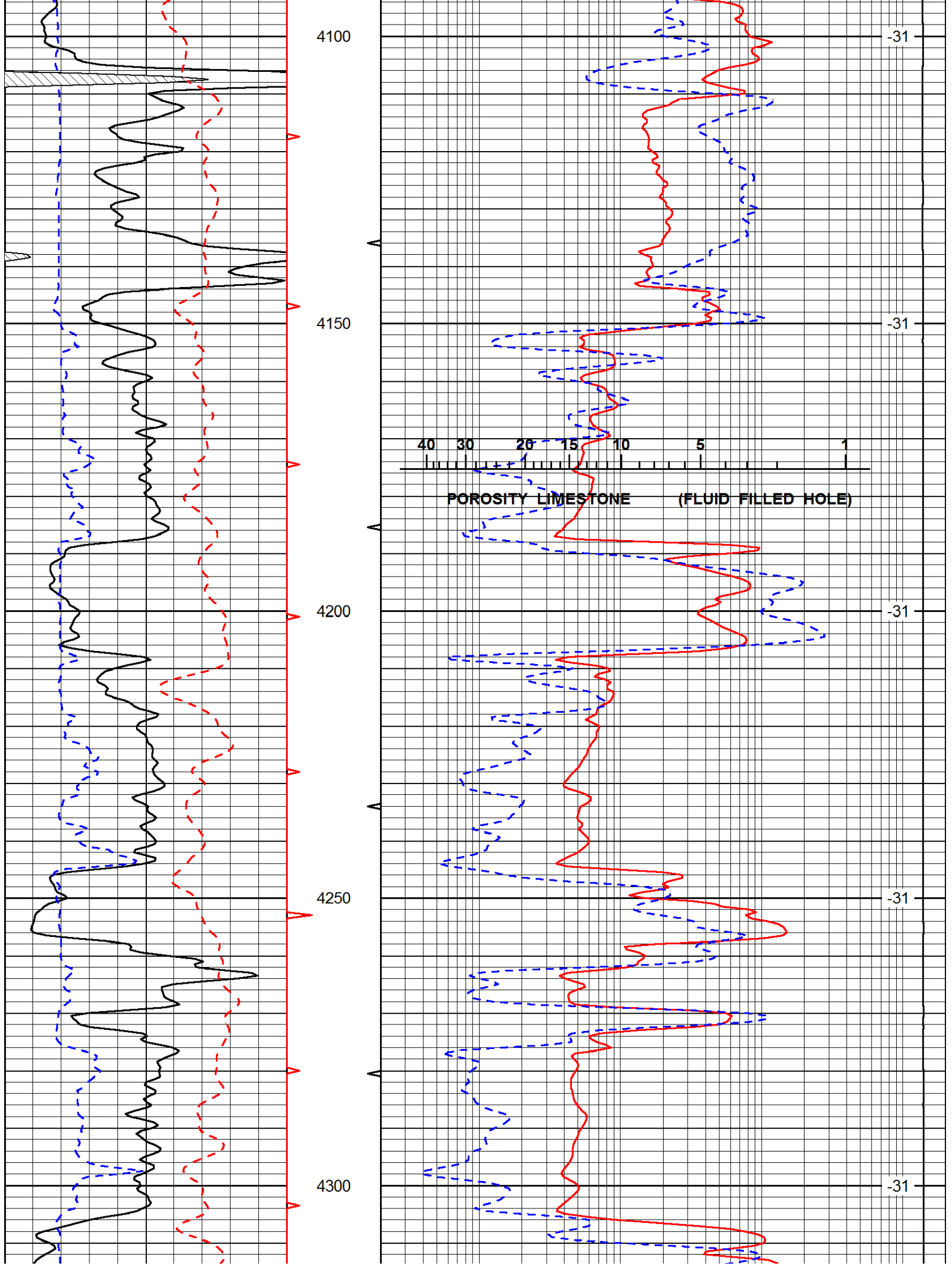


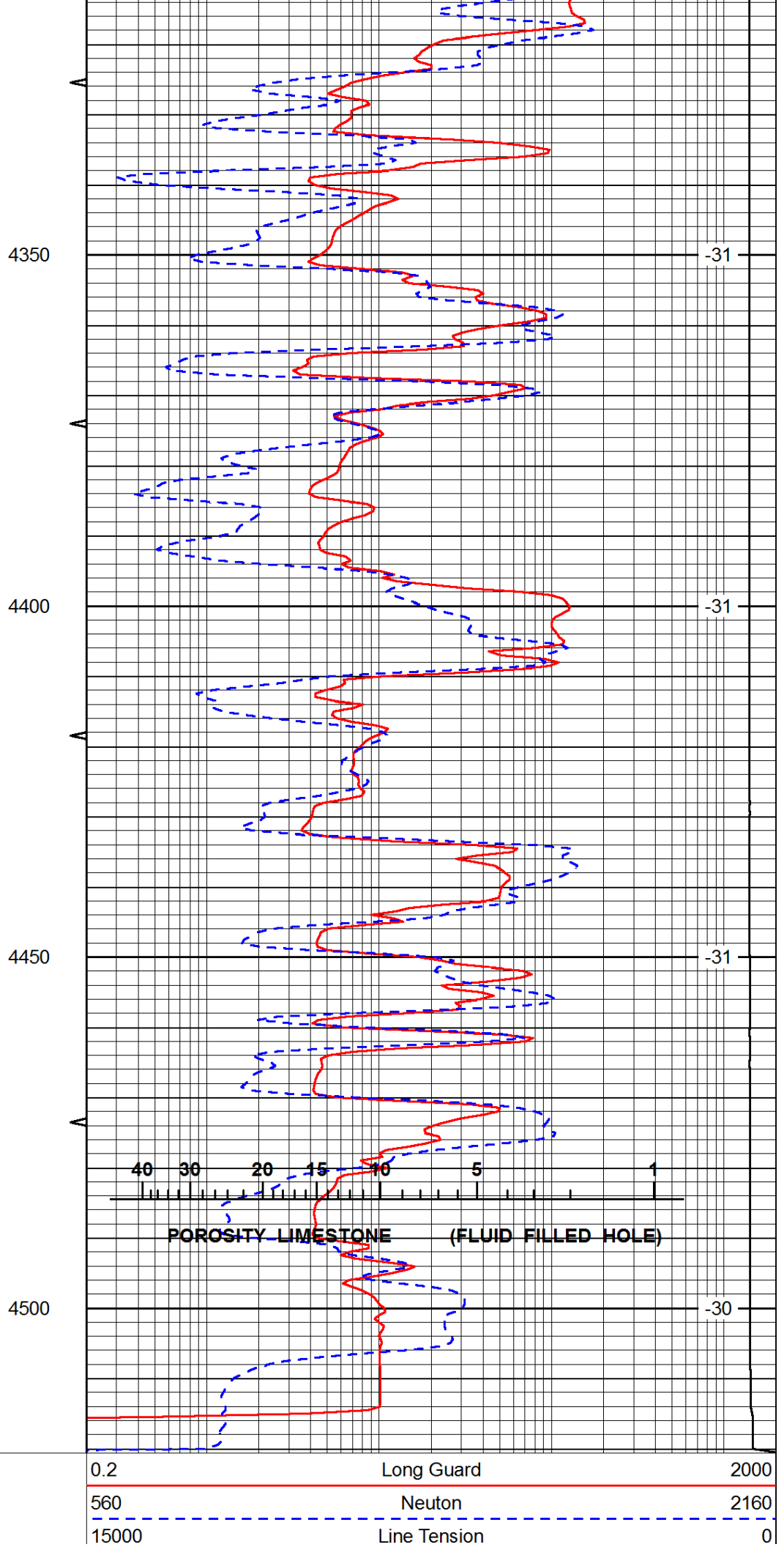
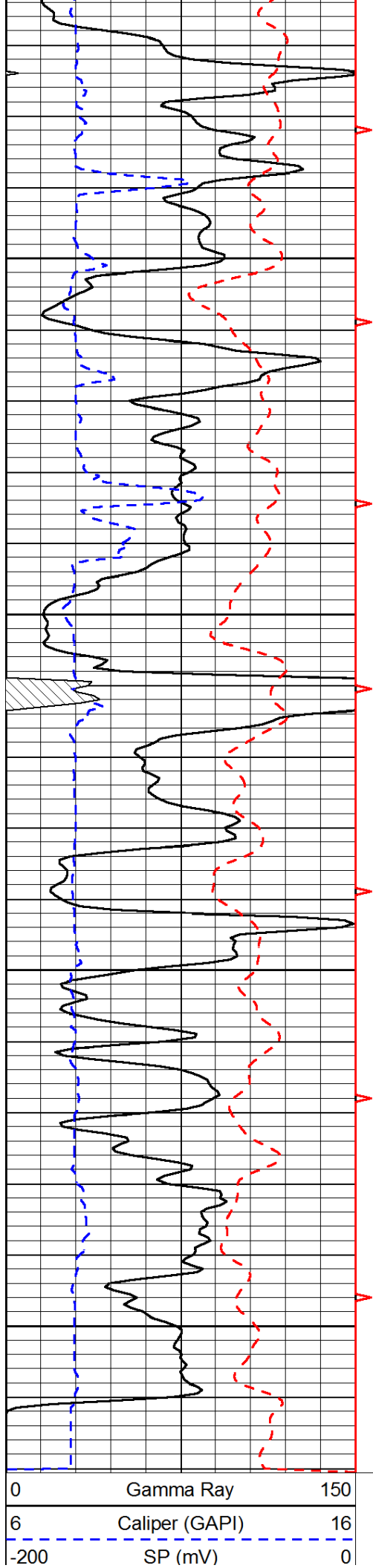












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-200 SP (mV) 0

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560 Neutron 2160
15000 Line Tension 0

