



Pioneer Energy Services

Radiation Guard Log

API No.		Company Berexco LLC	
15-153-20,969-00-00		Well Michael No.7-22	
		Field East Fork	
		County Rawlins State Kansas	
Location		2310' FNL & 330' FEL	
Sec: 22 Twp: 1S Rge: 36W		Other Services MEL	
Permanent Datum Ground Level Elevation 3175		Elevation	
Log Measured From Kelly Bushing 13 Ft. Above Perm. Datum		K.B. 3188	
Drilling Measured From Kelly Bushing		D.F. 3175	
Date 12/31/2013			
Run Number One			
Depth Driller 4450			
Depth Logger 4452			
Bottom Logged Interval 4451			
Top Log Interval 300			
Casing Driller 8.625 @ 310			
Casing Logger 308			
Bit Size 7.875			
Type Fluid in Hole Chemical			
Salinity,ppm CL 800			
Density / Viscosity 9.6 69			
pH / Fluid Loss 12.0 6.8			
Source of Sample Flowline			
Rm @ Meas. Temp 1.4 @ 48			
Rmf @ Meas. Temp 1.05 @ 48			
Rmc @ Meas. Temp 1.89 @ 48			
Source of Rmf / Rmc Charts			
Rm @ BHT .56 @ 121			
Operating Rig Time 4 Hours			
Max Rec. Temp. F 121			
Equipment Number 17			
Location Hays			
Recorded By C. Desaire			
Witnessed By Pete Vollmer			

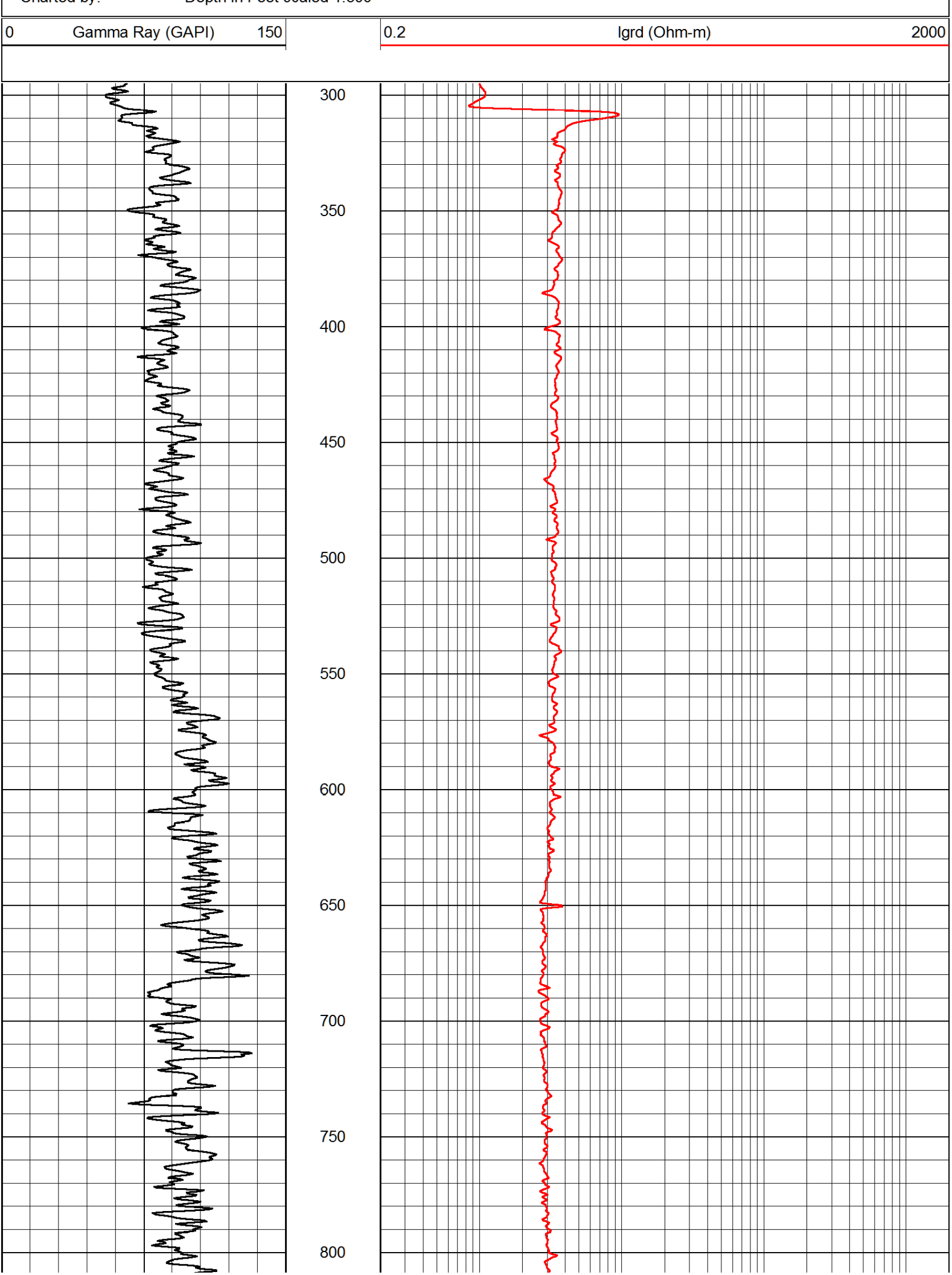
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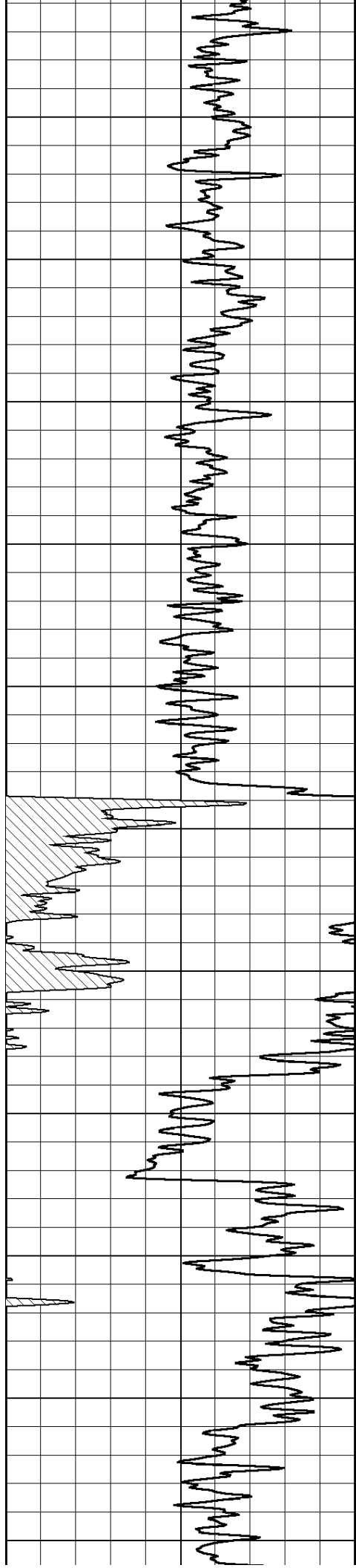
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 Log-Tech, Inc.
(785) 625-3858

Beardsley KS, N to AA Rd,
5 7/8 W, turn in by red farmstead, over cattleguard,
right at fork, then stay left





850

900

950

1000

1050

1100

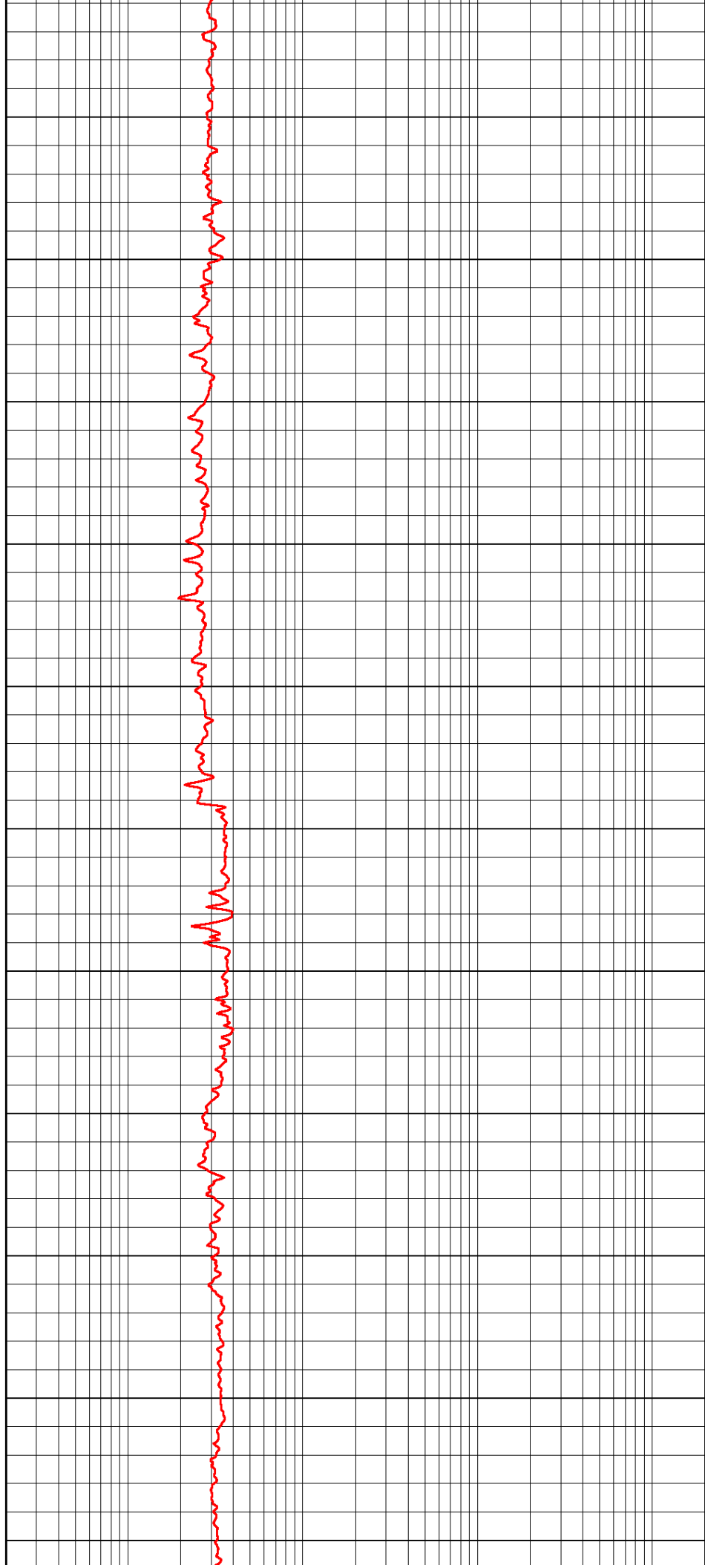
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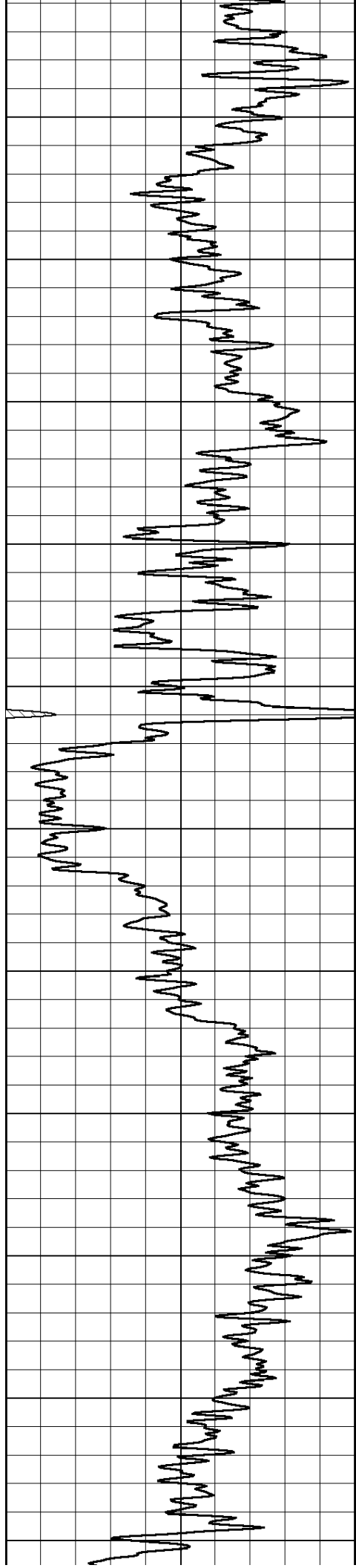
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1250

1300

1350





1400

1450

1500

1550

1600

1650

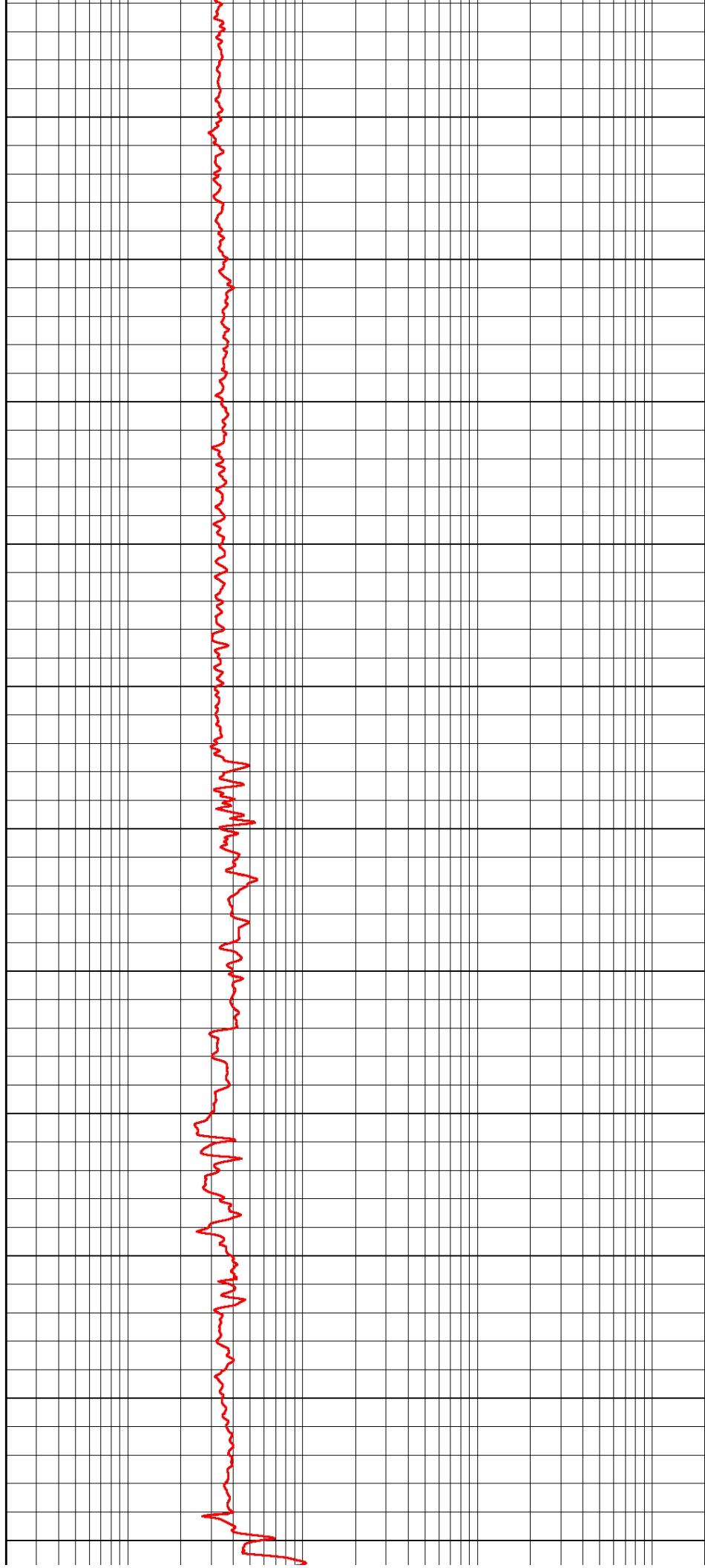
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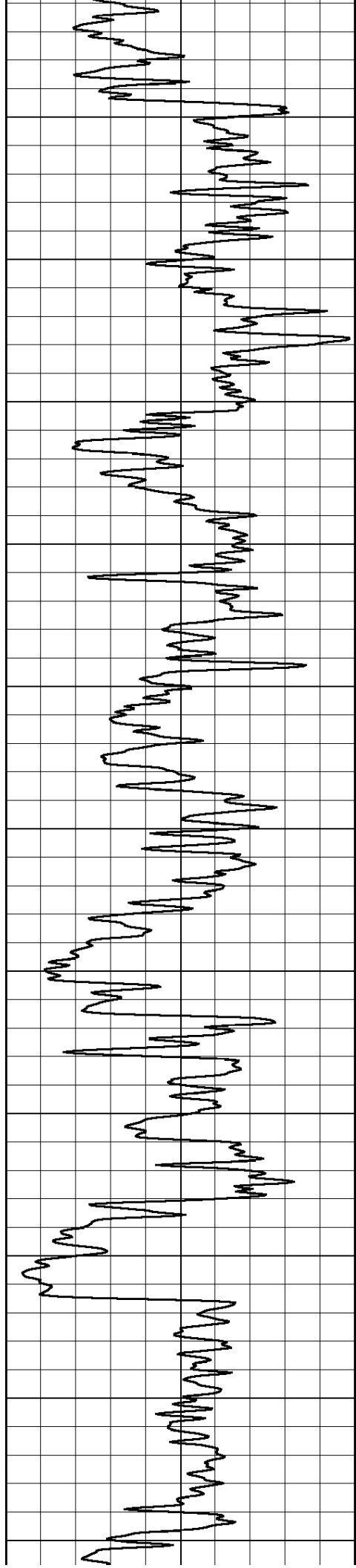
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1800

1850

1900





1950

2000

2050

2100

2150

2200

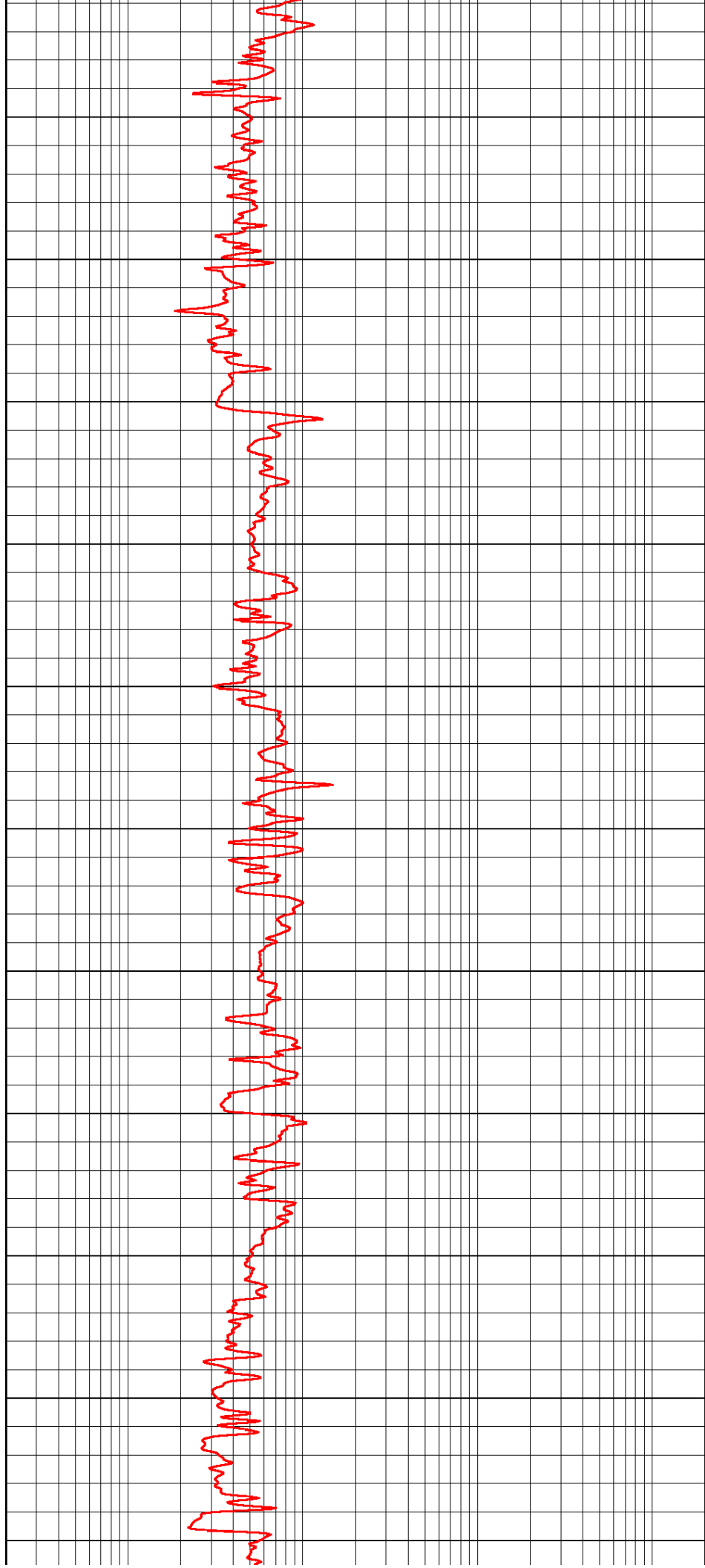
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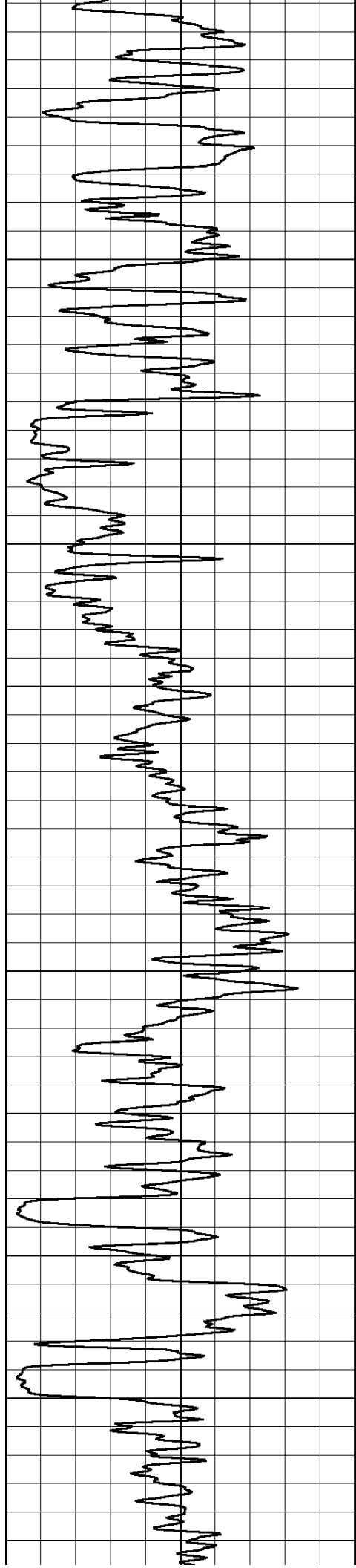
2300

2350

2400

2450





2500

2550

2600

2650

2700

2750

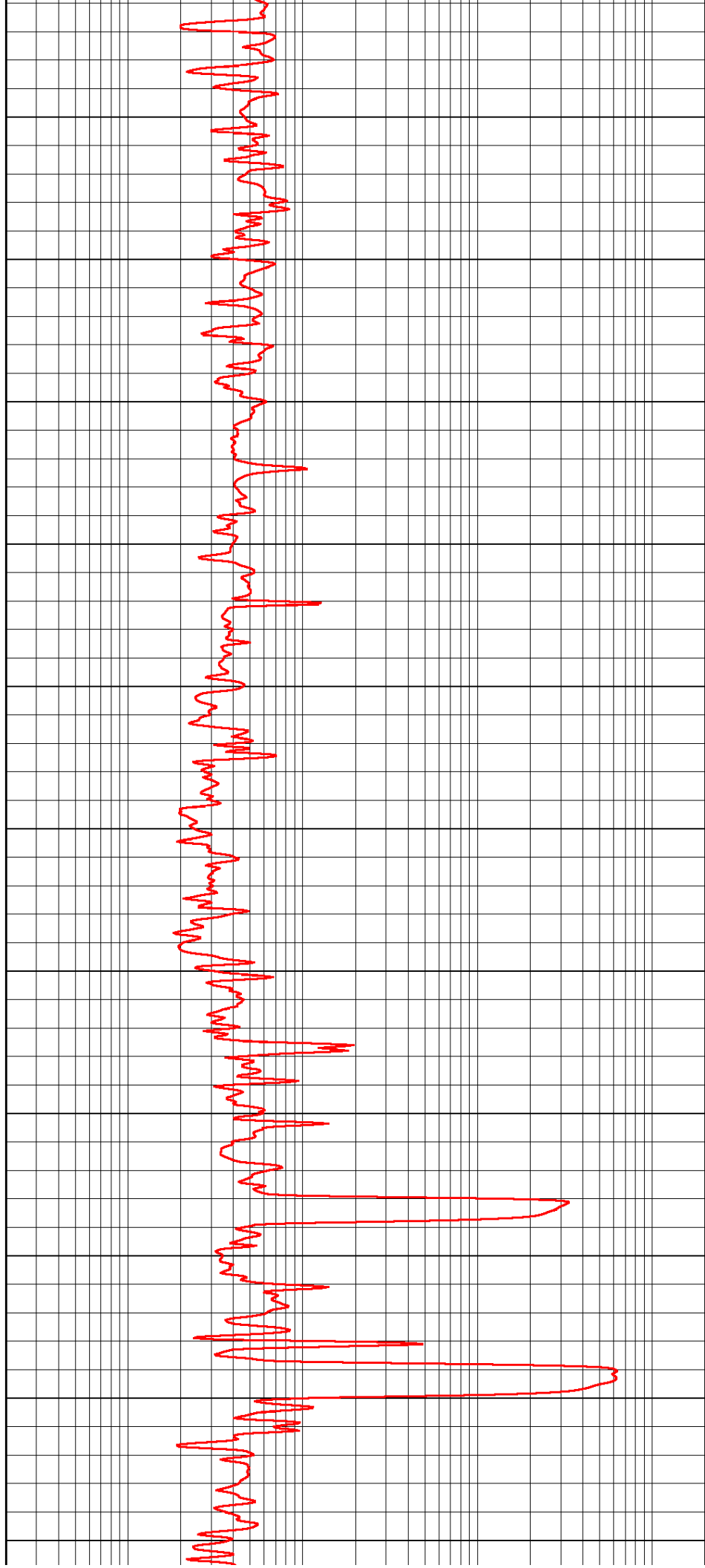
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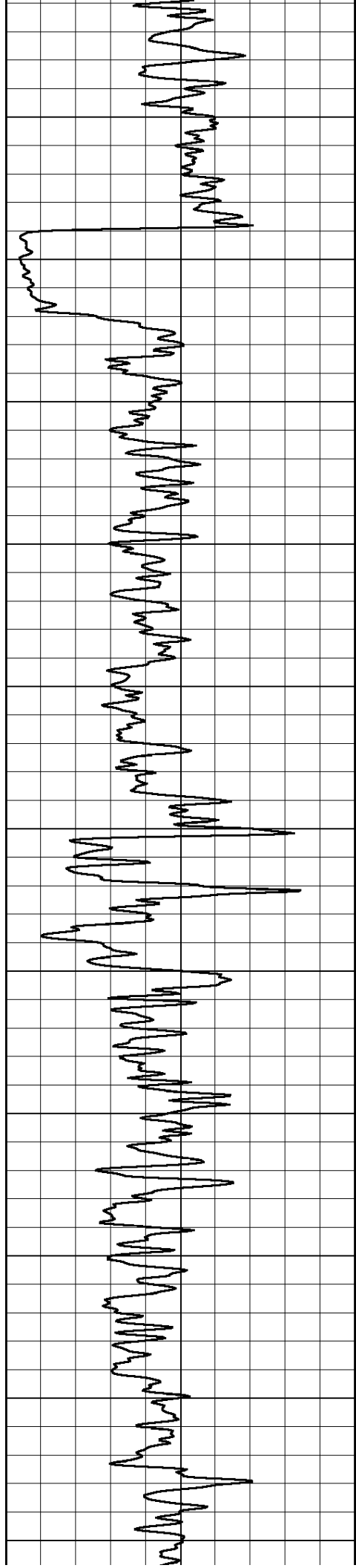
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2900

2950

3000





3050

3100

3150

3200

3250

3300

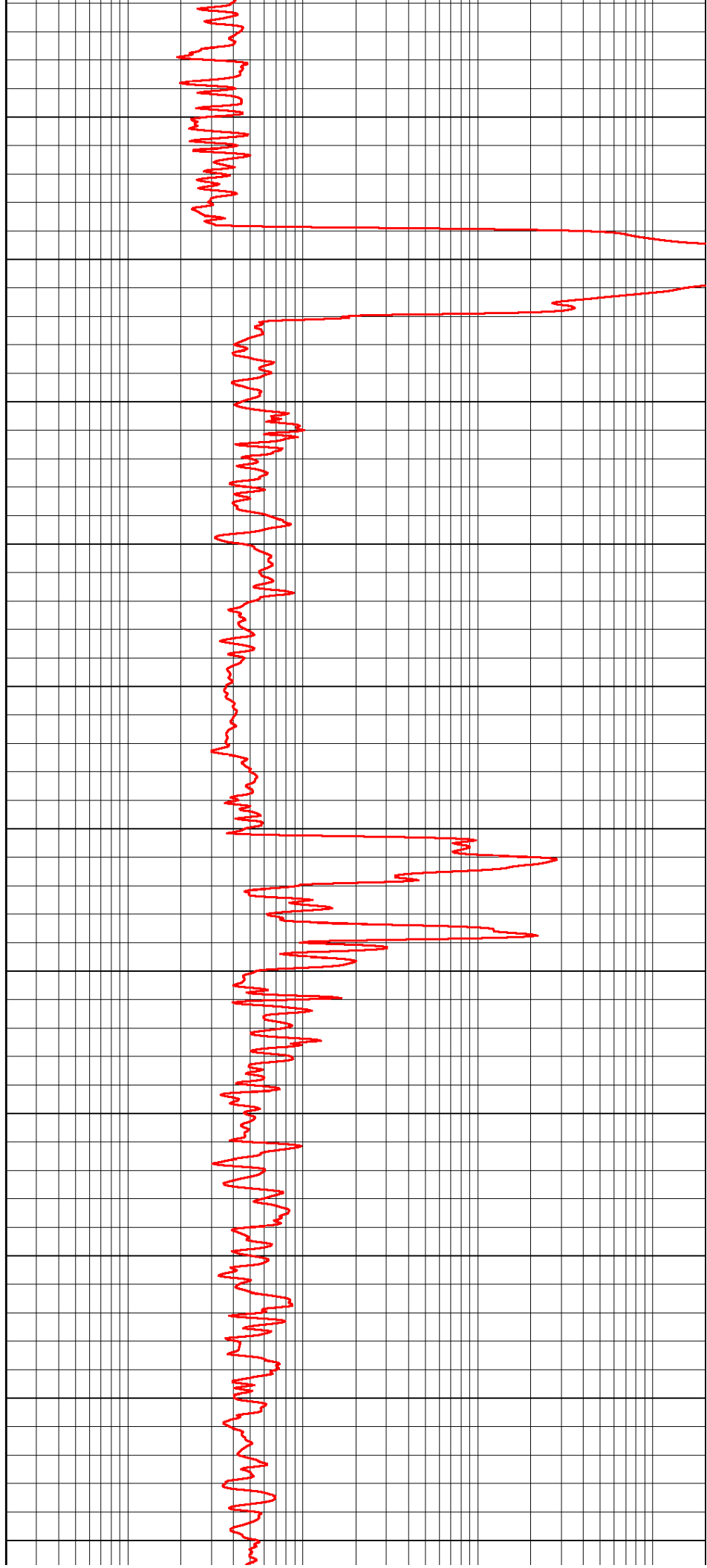
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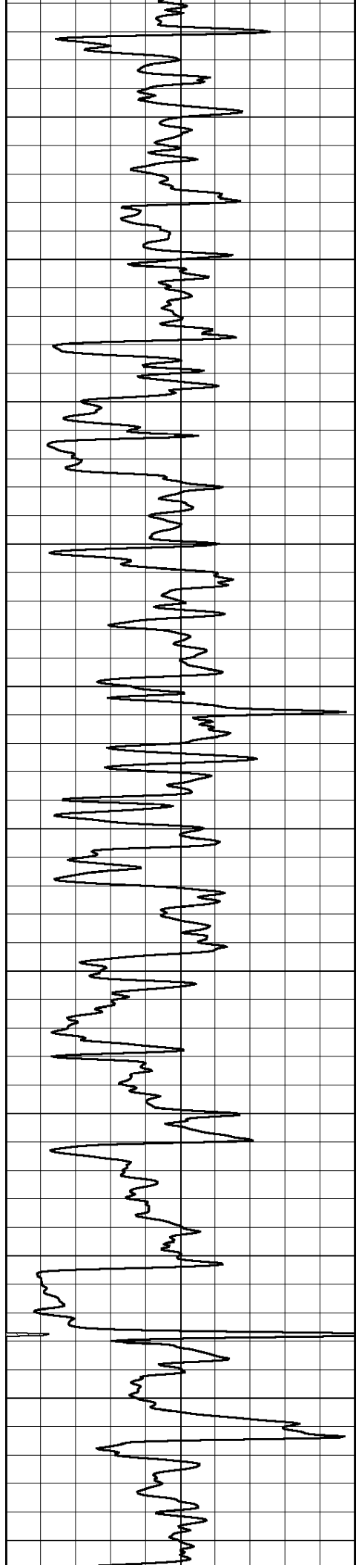
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3500

3550





3600

3650

3700

3750

3800

3850

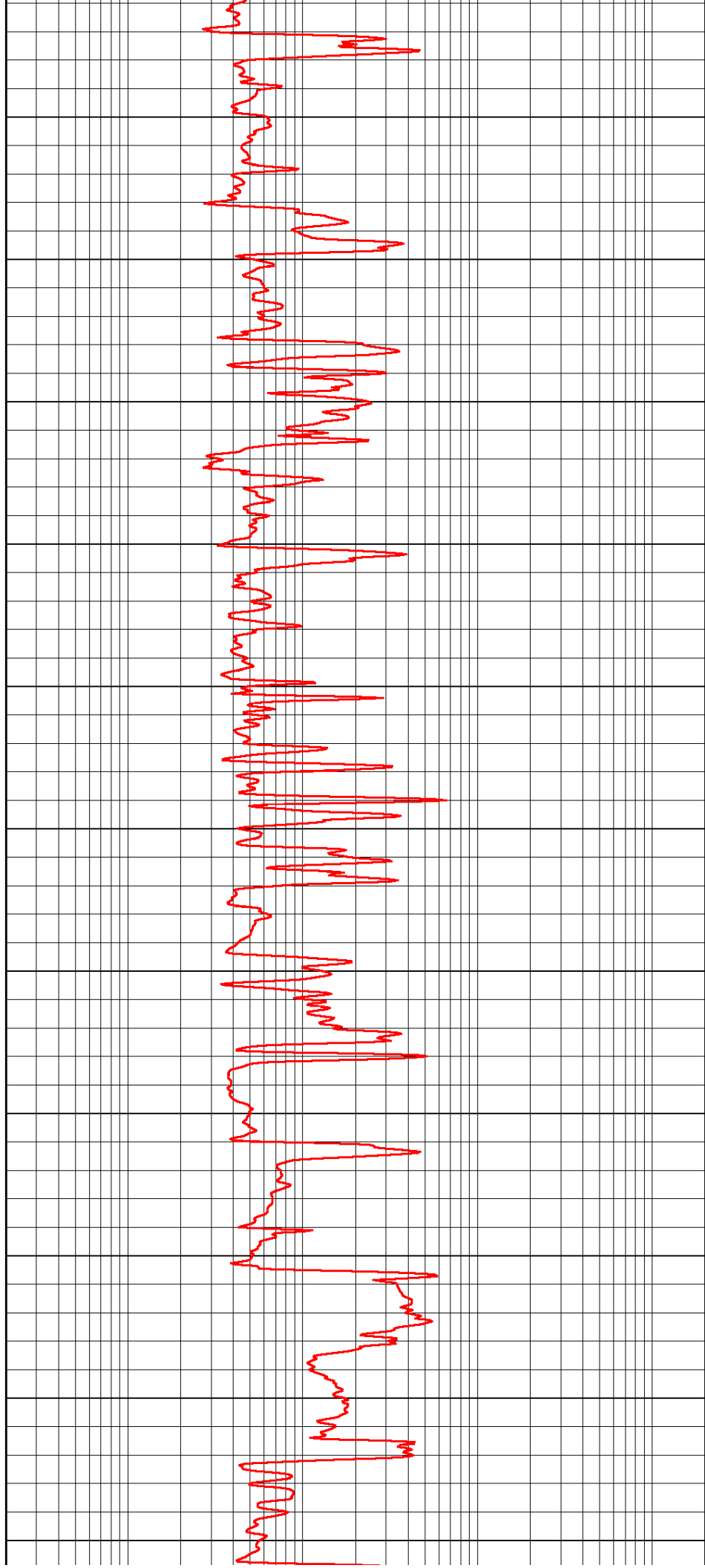
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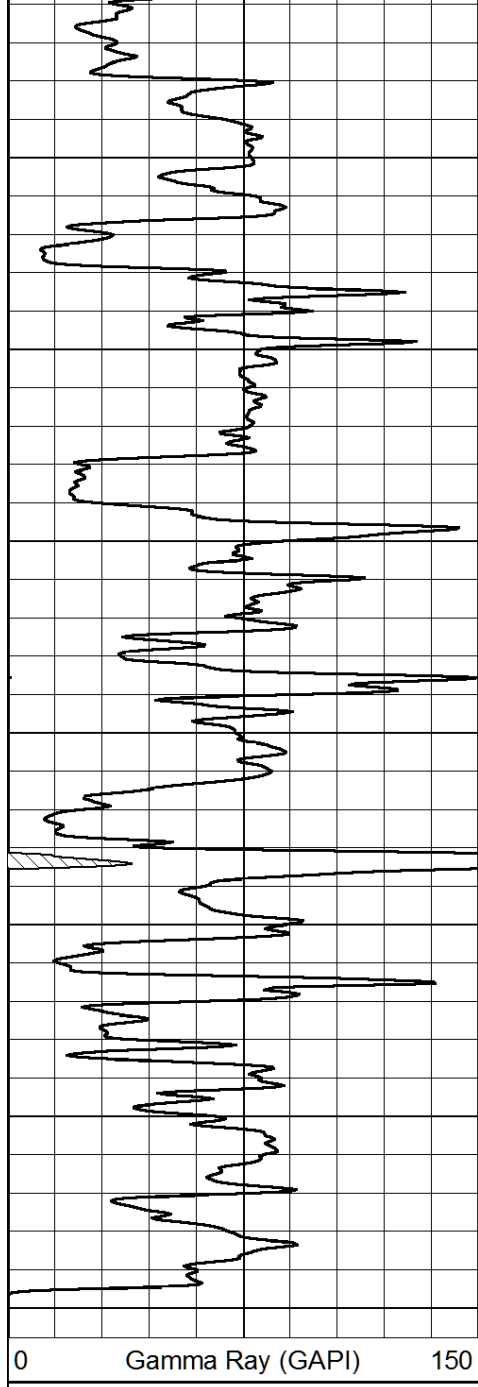
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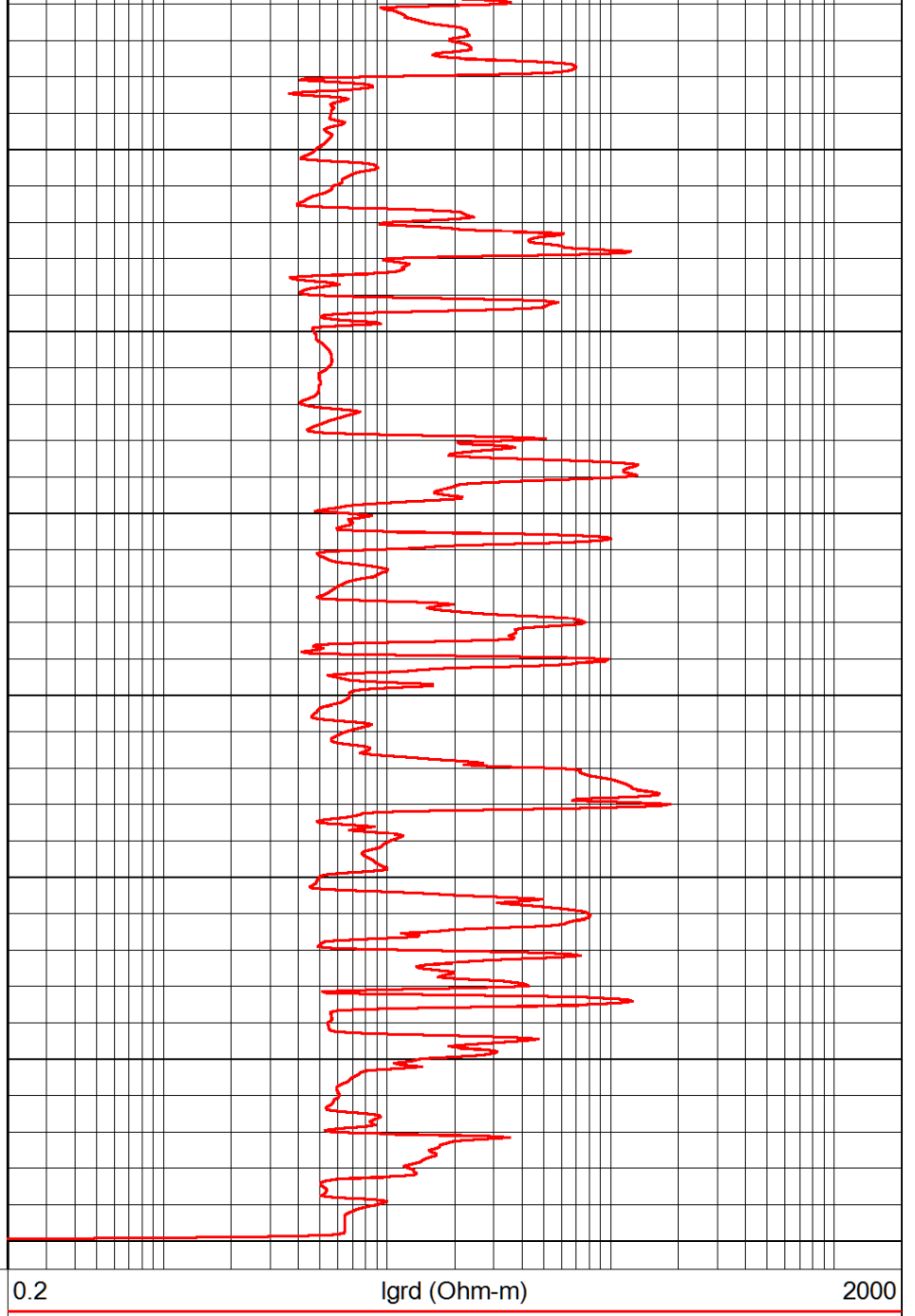
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4100





4150
4200
4250
4300
4350
4400
4450



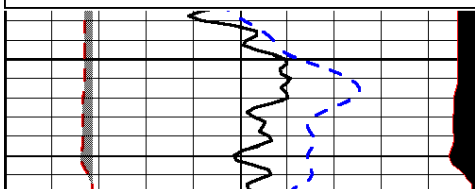
0.2 lgrd (Ohm-m) 2000

Database File: berxhd.db
 Dataset Pathname: rag/berrag
 Presentation Format: rag
 Dataset Creation: Tue Dec 31 10:36:34 2013
 Charted by: Depth in Feet scaled 1:240

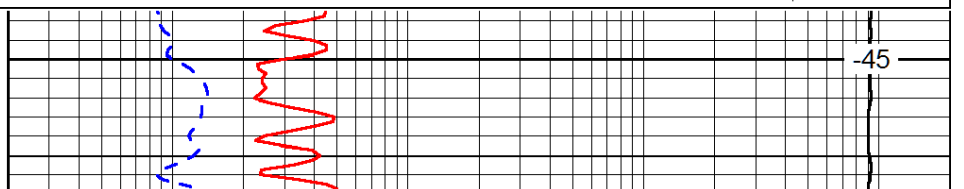
0	Gamma Ray (GAPI)	150
6	SCAL (in)	16
-200	sp (mV)	0

0.2	LGRD (Ohm-m)	2000
560	SWNC (NAPI)	2160
15000	Line Tension (lb)	0

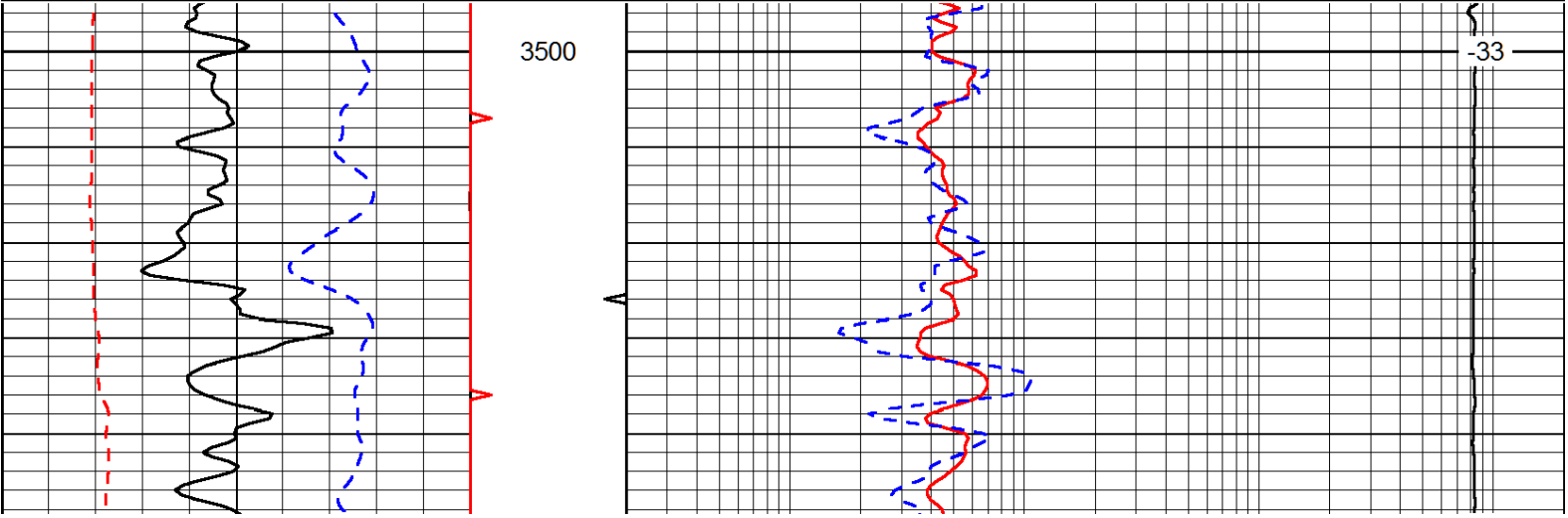
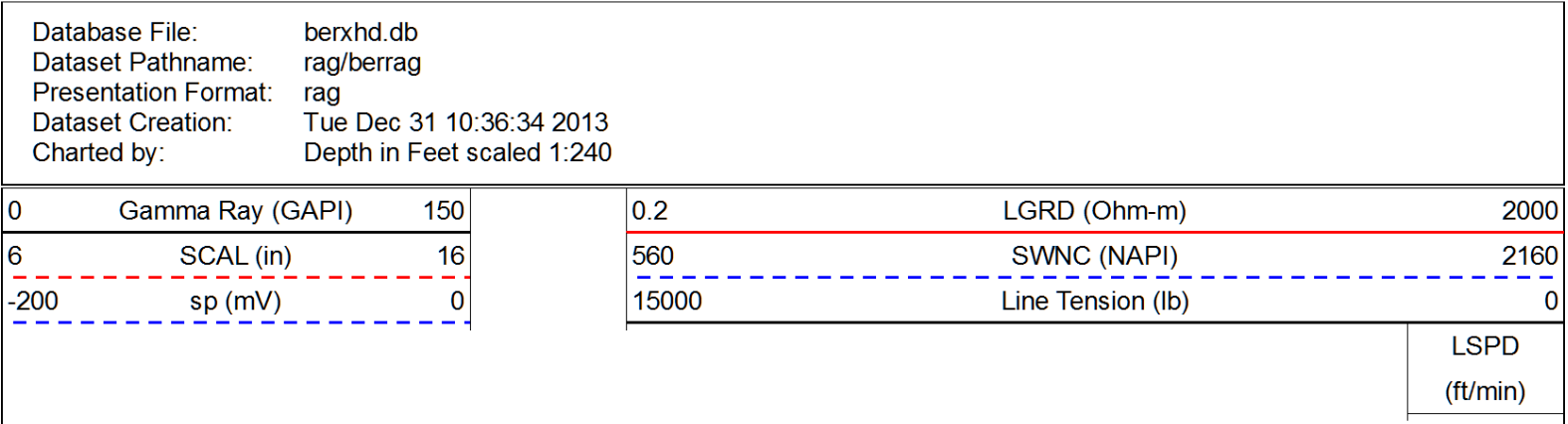
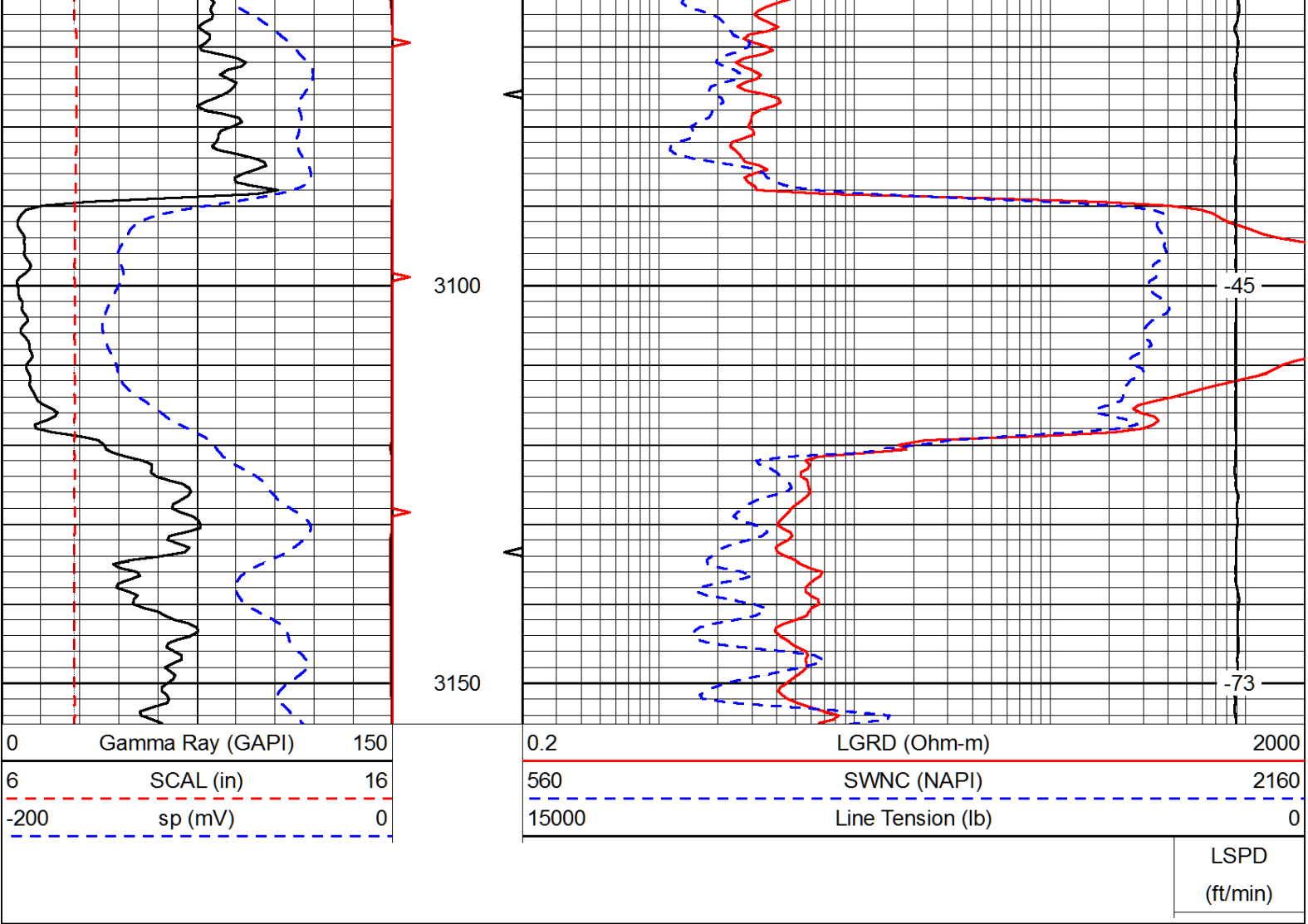
LSPD
(ft/min)

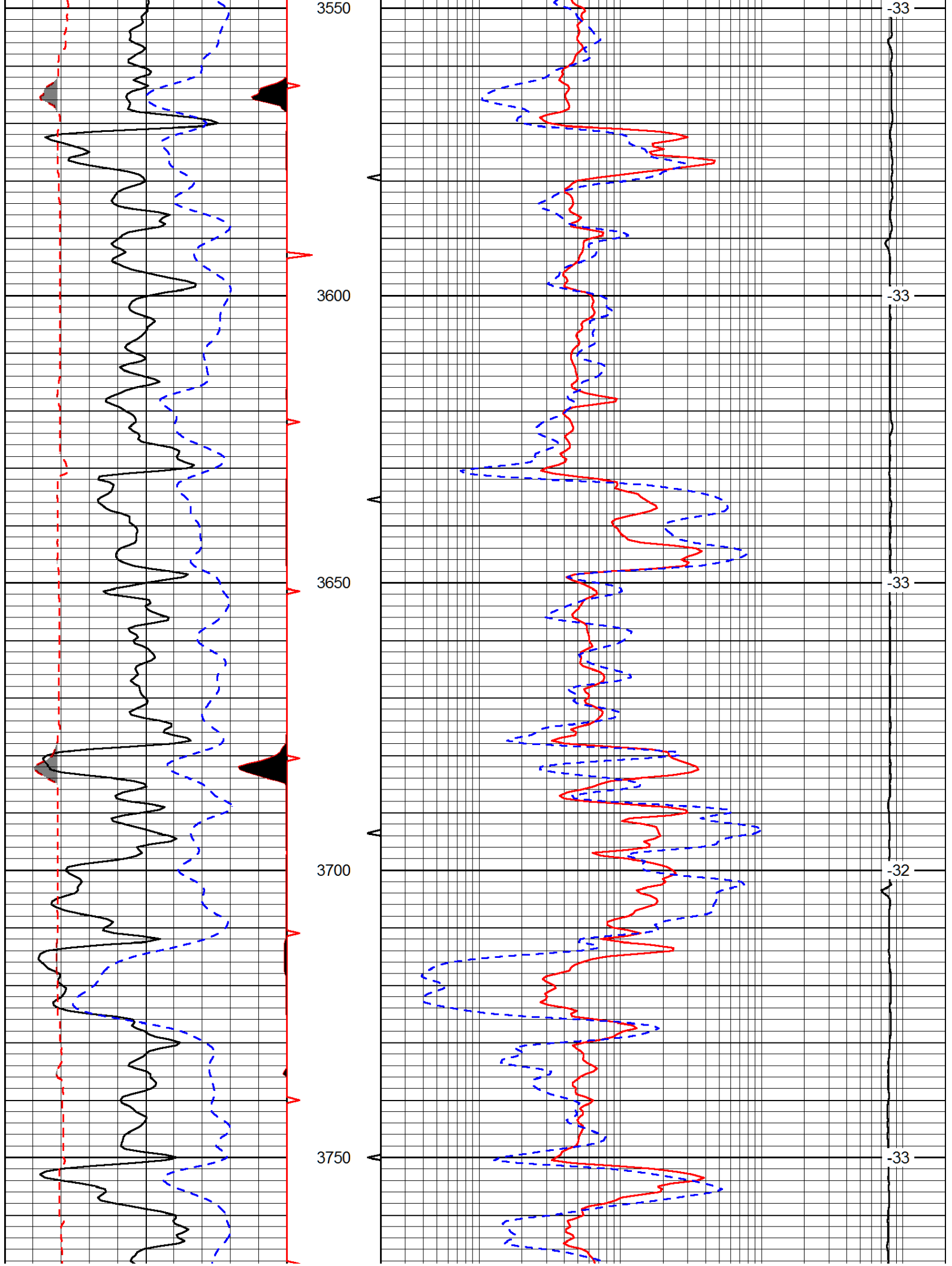


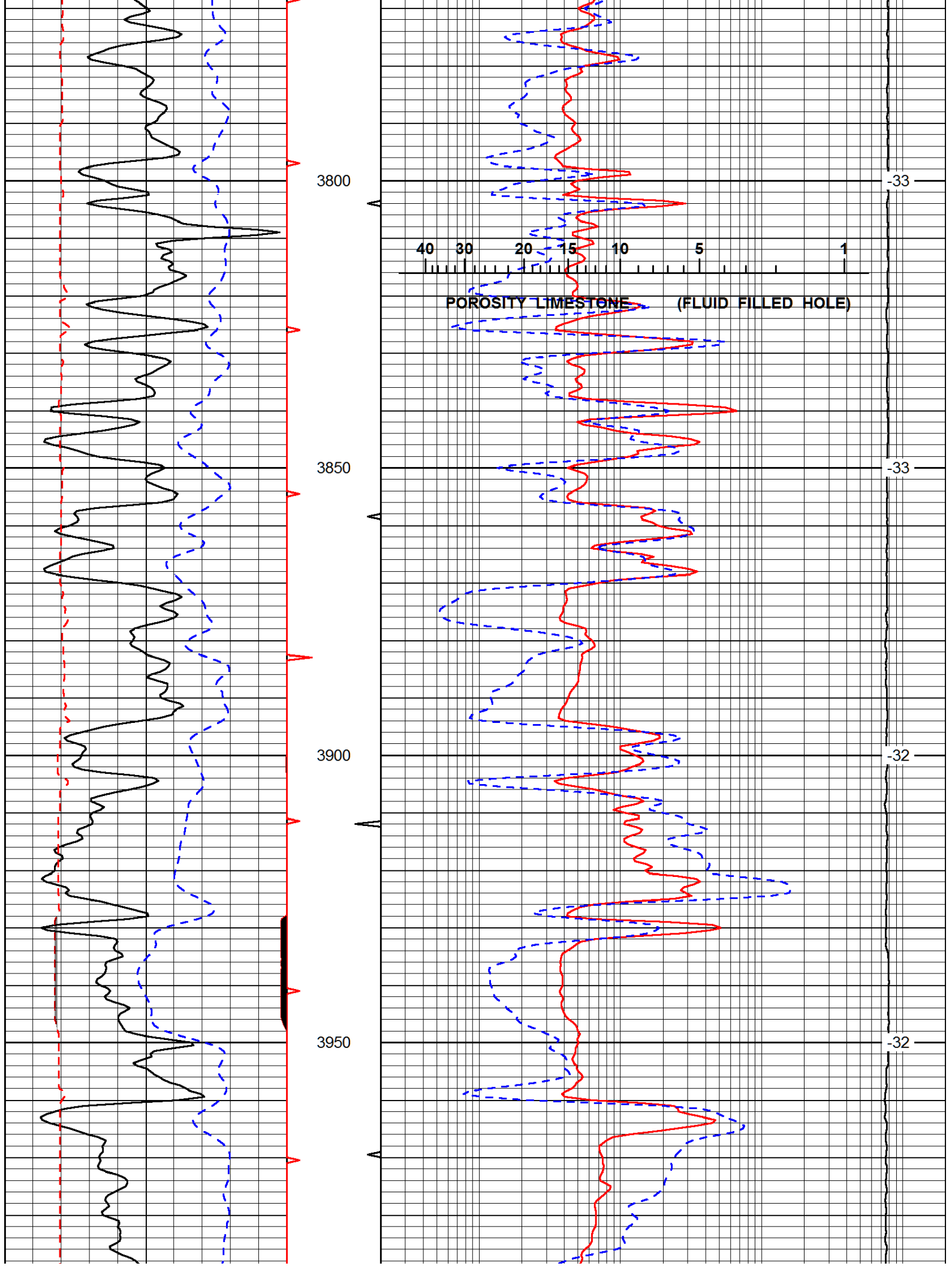
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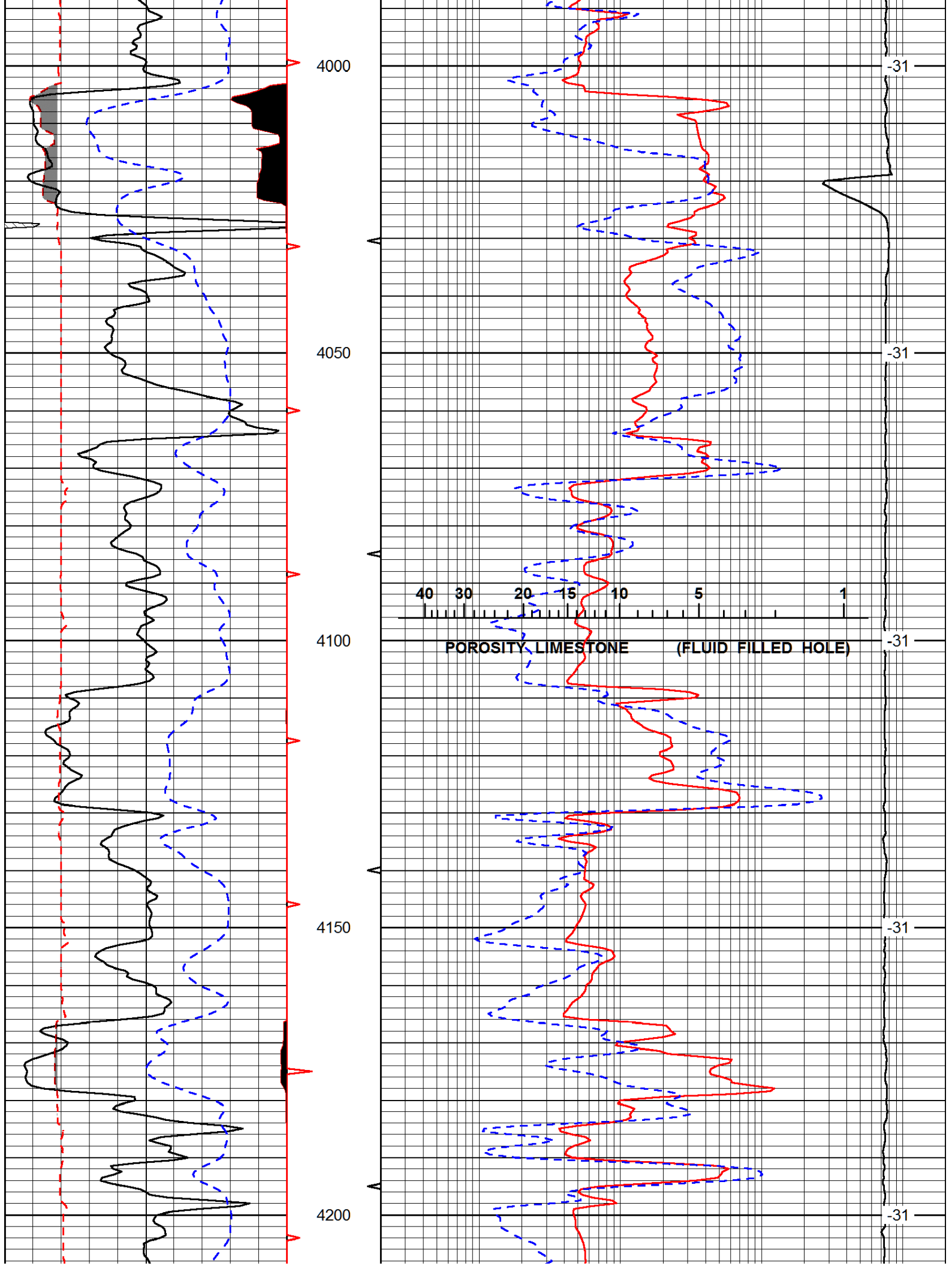


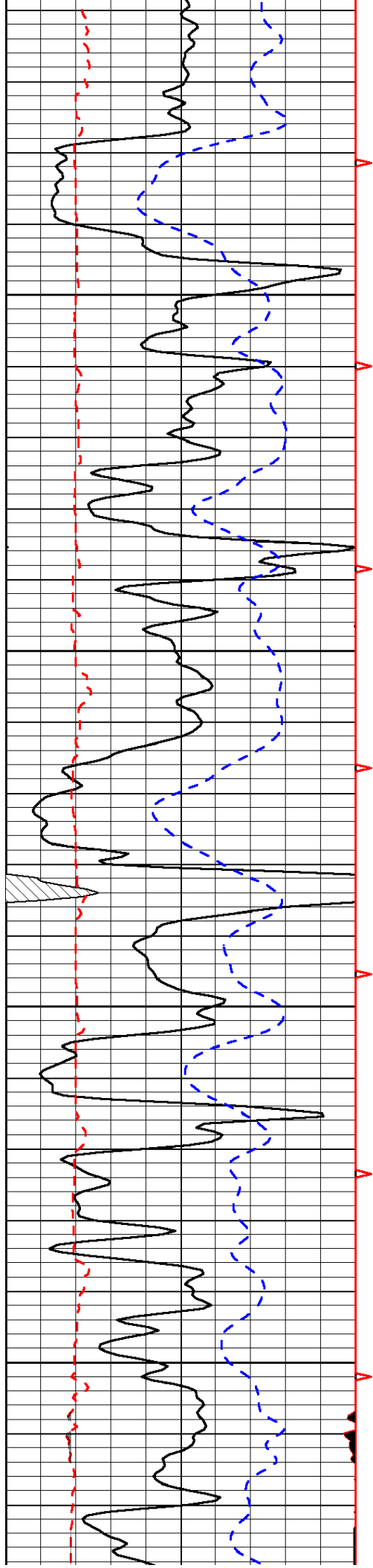
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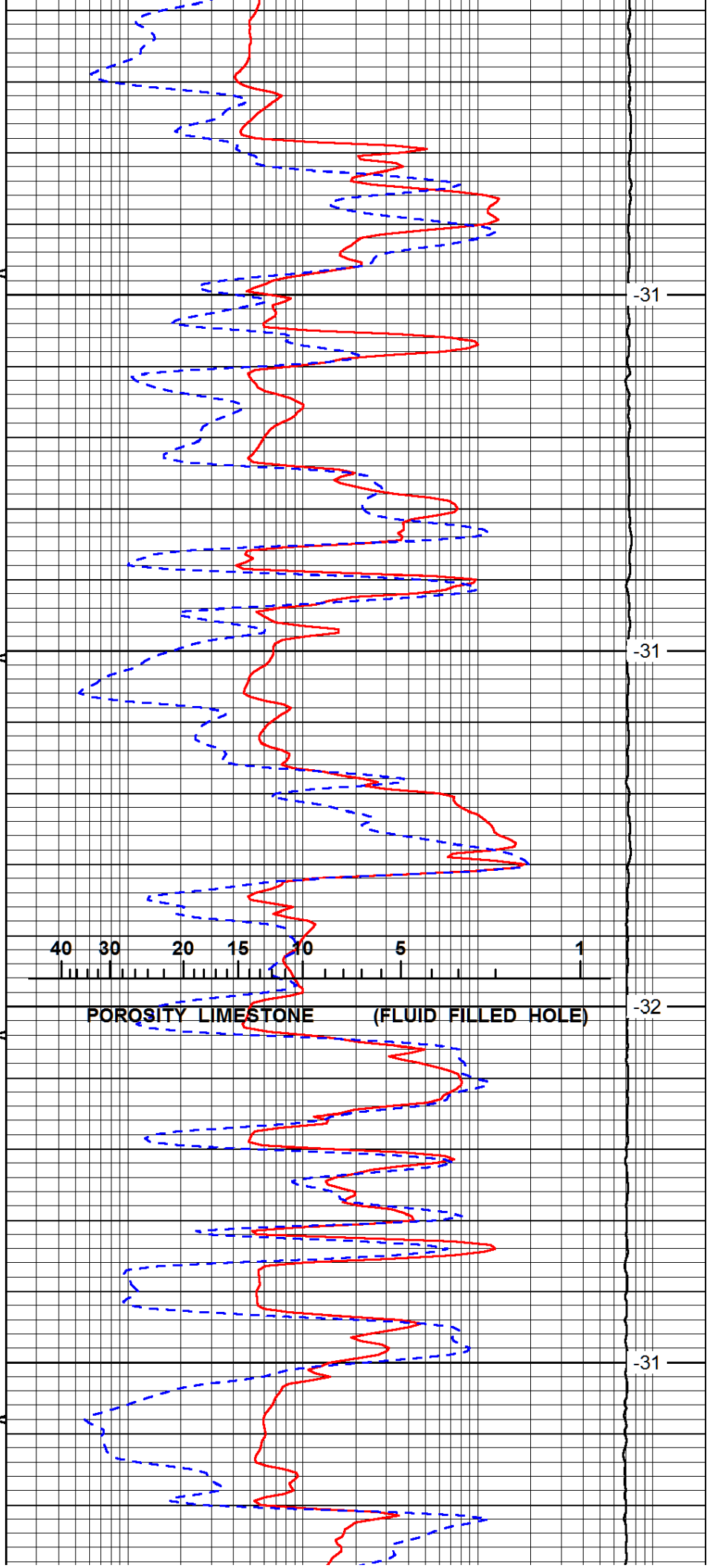


4250

4300

4350

4400



-31

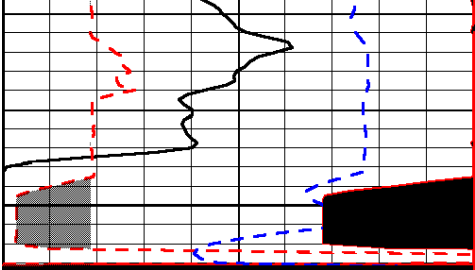
-31

-32

-31

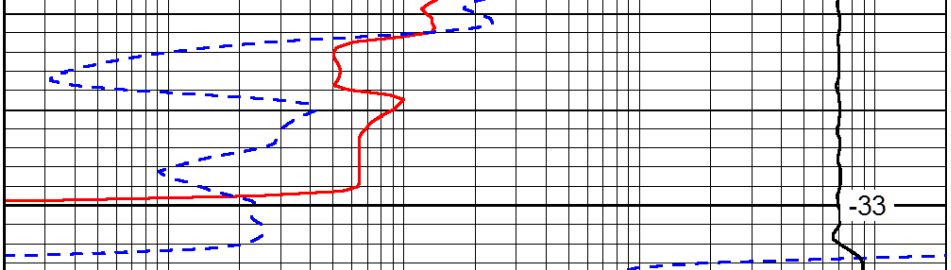
40 30 20 15 10 5 1

POROSITY LIMESTONE (FLUID FILLED HOLE)



4450

0	Gamma Ray (GAPI)	150
6	SCAL (in)	16
-200	sp (mV)	0



-33

0.2	LGRD (Ohm-m)	2000
560	SWNC (NAPI)	2160
15000	Line Tension (lb)	0

LSPD (ft/min)
