



Pioneer Energy Services

Radiation Guard Log

API No.	Company Berexco LLC		
	Well Bernita #1-27		
	Field		
	County Rawlins	State	Kansas
15-153-20,951-00-00	Location 440' FNL & 340' FEL	Other Services MEL	
	Sec: 27	Tw: 1S	Rge: 36W
Permanent Datum	Ground Level	Elevation 3116	
Log Measured From	Kelly Bushing	13 Ft. Above Perm. Datum	
Drilling Measured From	Kelly Bushing	K.B. 3129 D.F. 3116 G.L. 3116	
Date	10/17/2013		
Run Number	One		
Depth Driller	4600		
Depth Logger	4599		
Bottom Logged Interval	4598		
Top Log Interval	300		
Casing Driller	8.625 @ 310		
Casing Logger	306		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	700		
Density / Viscosity	9.2	56	
pH / Fluid Loss	10.5	6.6	
Source of Sample	Flowline		
Rm @ Meas. Temp	.78 @ 55		
Rmf @ Meas. Temp	.59 @ 55		
Rmc @ Meas. Temp	1.05 @ 55		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.35 @ 122		
Operating Rig Time	4 Hours		
Max Rec. Temp. F	122		
Equipment Number	17		
Location	Hays		
Recorded By	C. Desaire		
Witnessed By	Pete Vollmer		

<<< Fold Here >>>

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

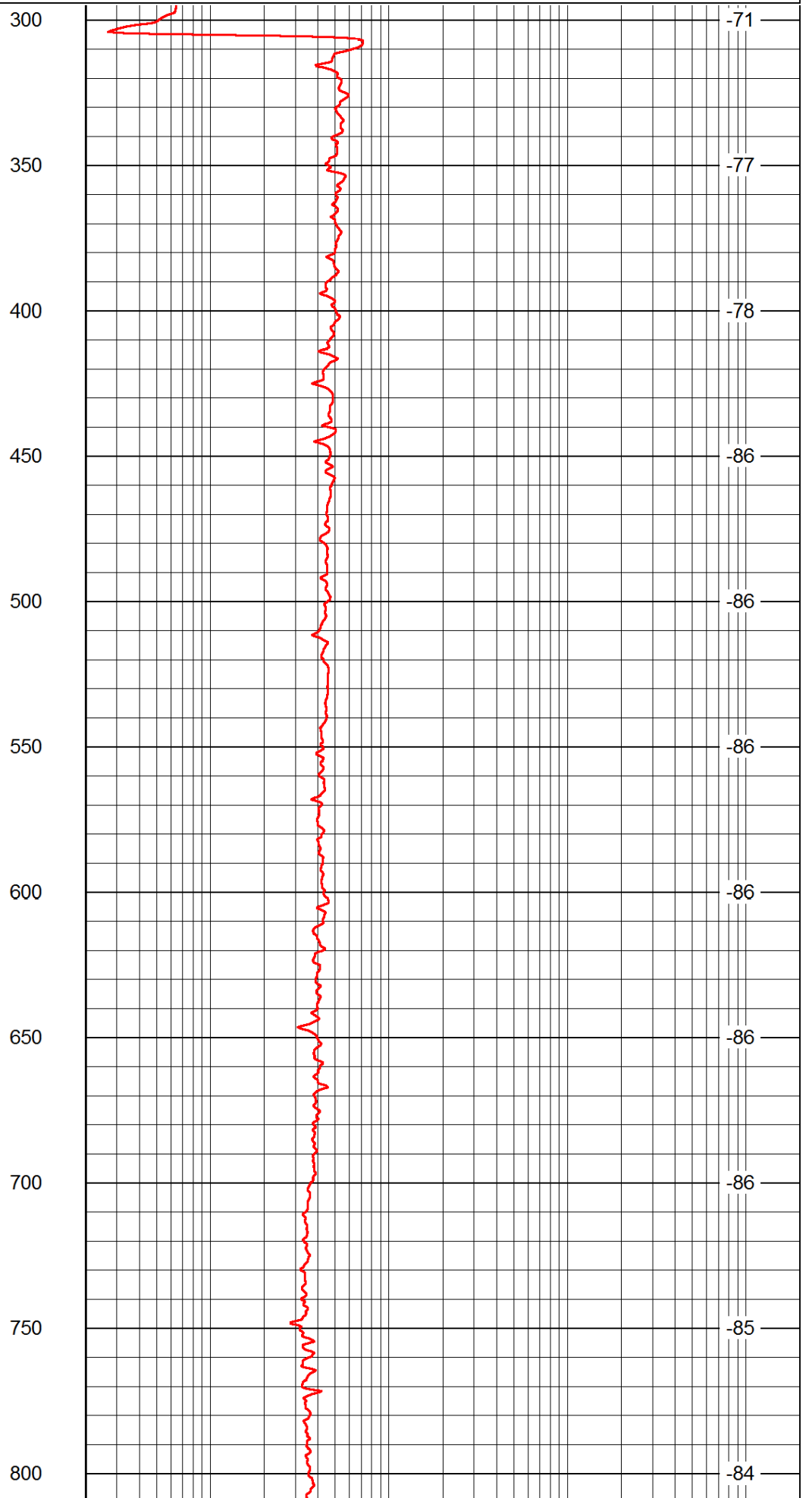
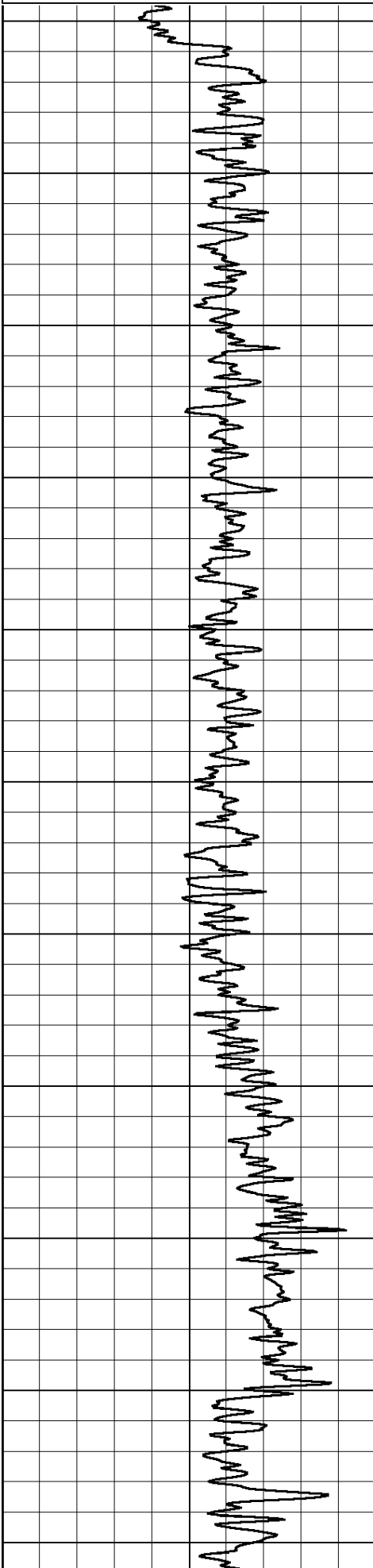
Beardsley KS, N to AA Rd,
5 3/4 W, S Into

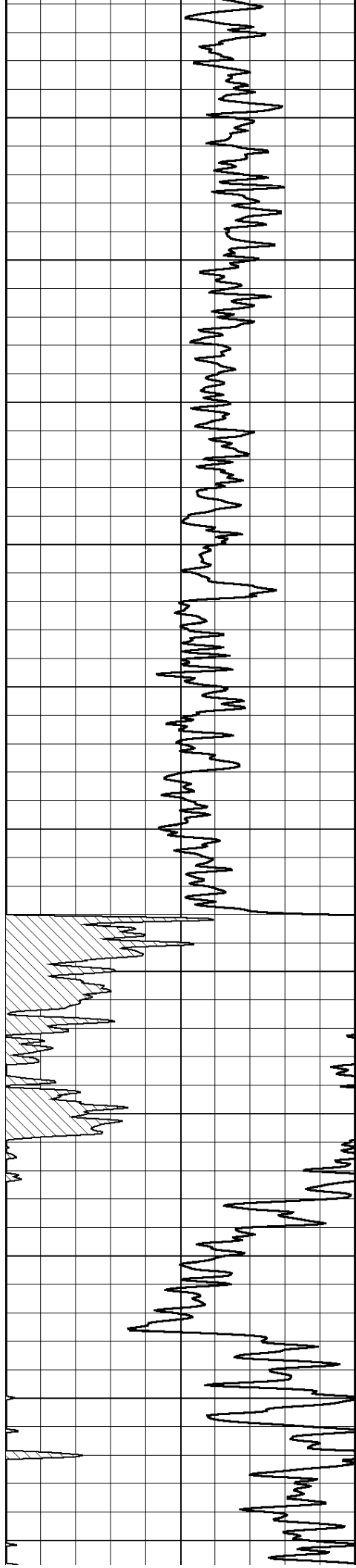
Database File: c:\warrior\data\berexco_bernita #1-27\berhd.db
Dataset Pathname: rag/berrag
Presentation Format: rag2in
Dataset Creation: Thu Oct 17 23:24:55 2013
Charted by: Depth in Feet scaled 1:600

0 Gamma Ray 150

0.2 lgrd 2000

LSPD





850

900

950

1000

1050

1100

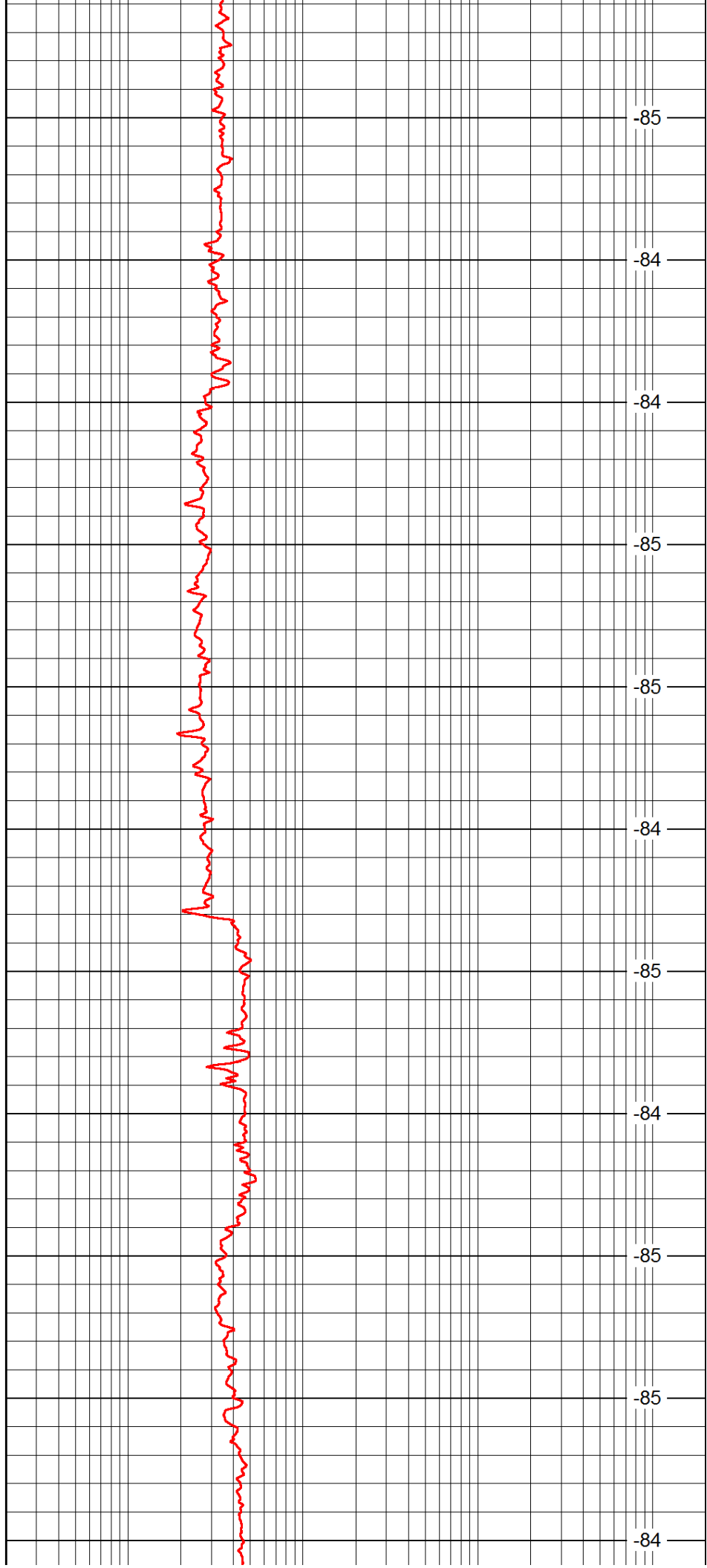
1150

1200

1250

1300

1350



-85

-84

-84

-85

-85

-84

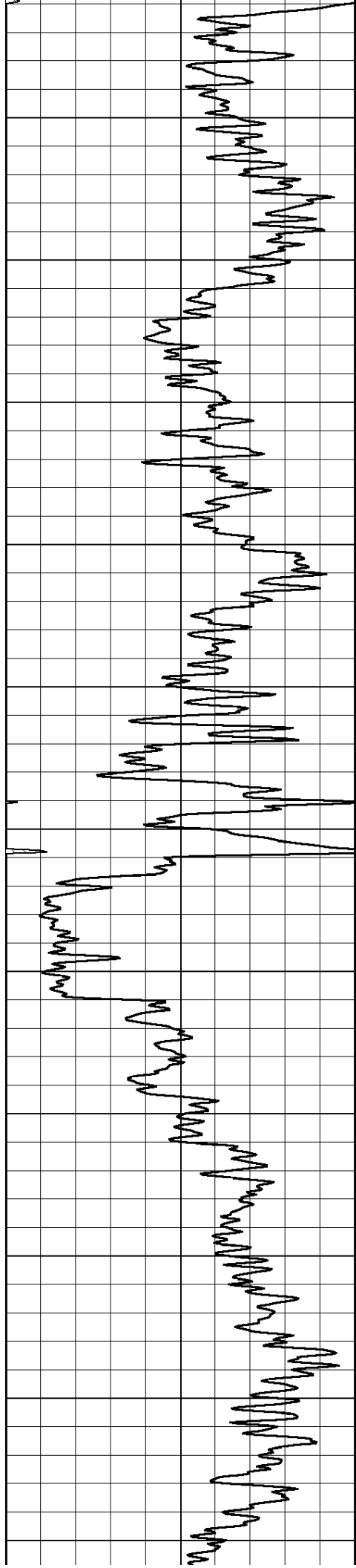
-85

-84

-85

-85

-84



1400

1450

1500

1550

1600

1650

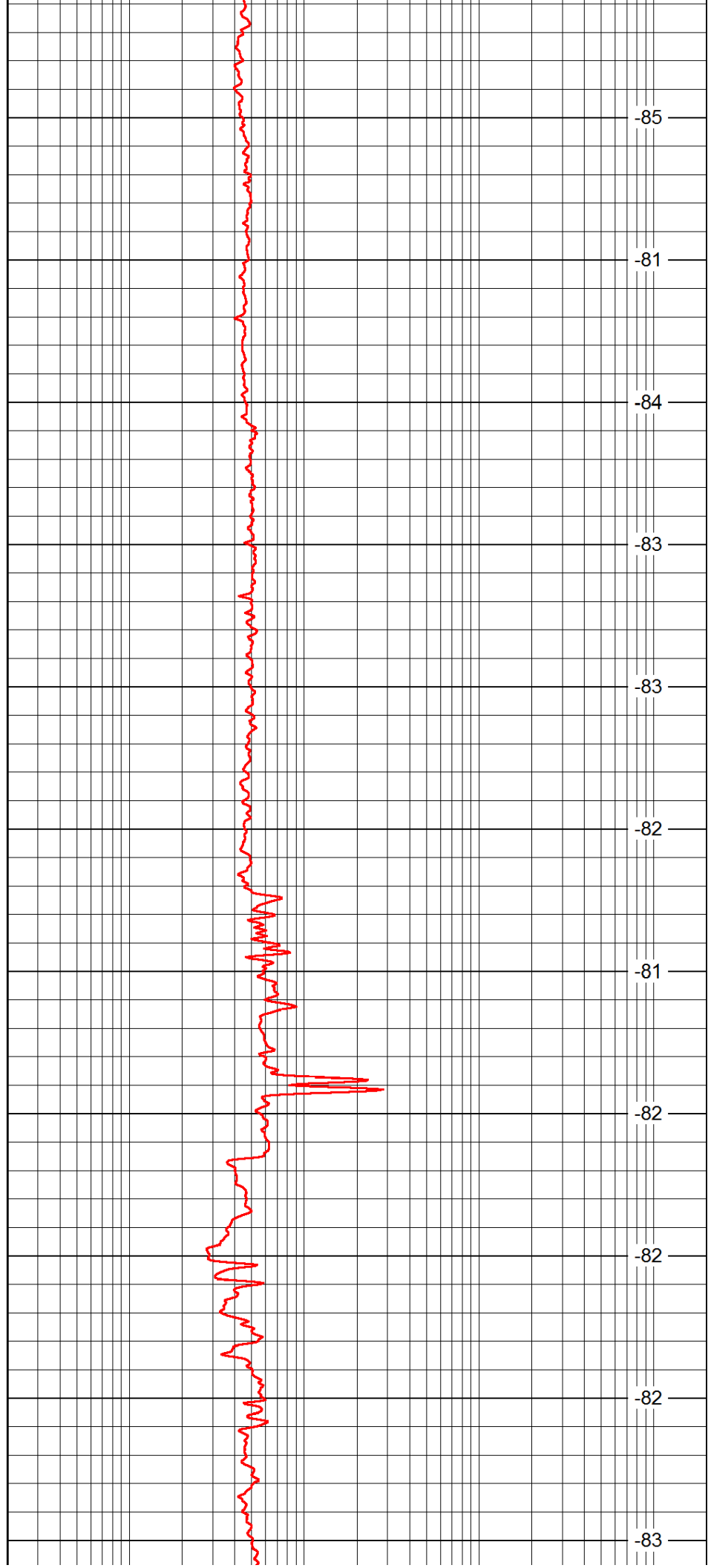
1700

1750

1800

1850

1900



-85

-81

-84

-83

-83

-82

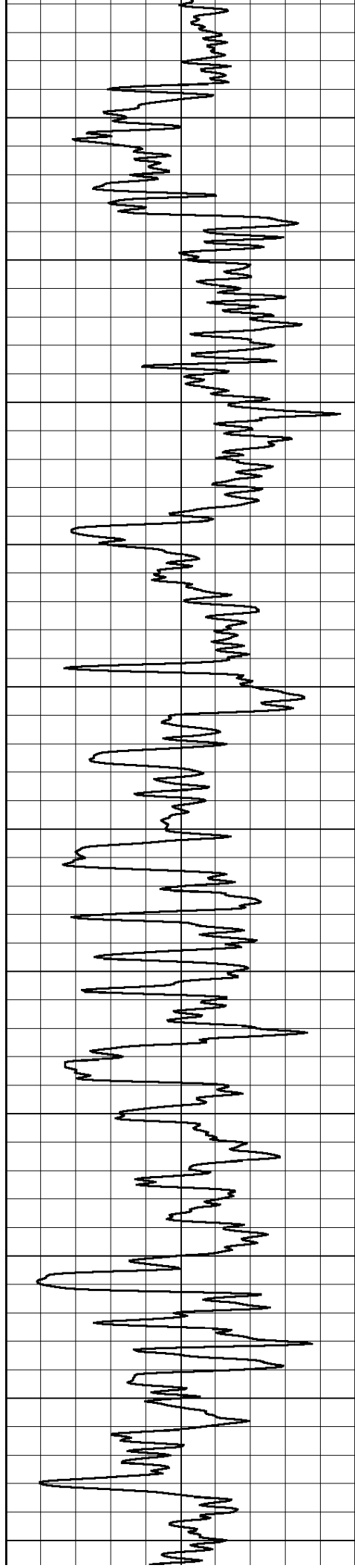
-81

-82

-82

-82

-83



1950

2000

2050

2100

2150

2200

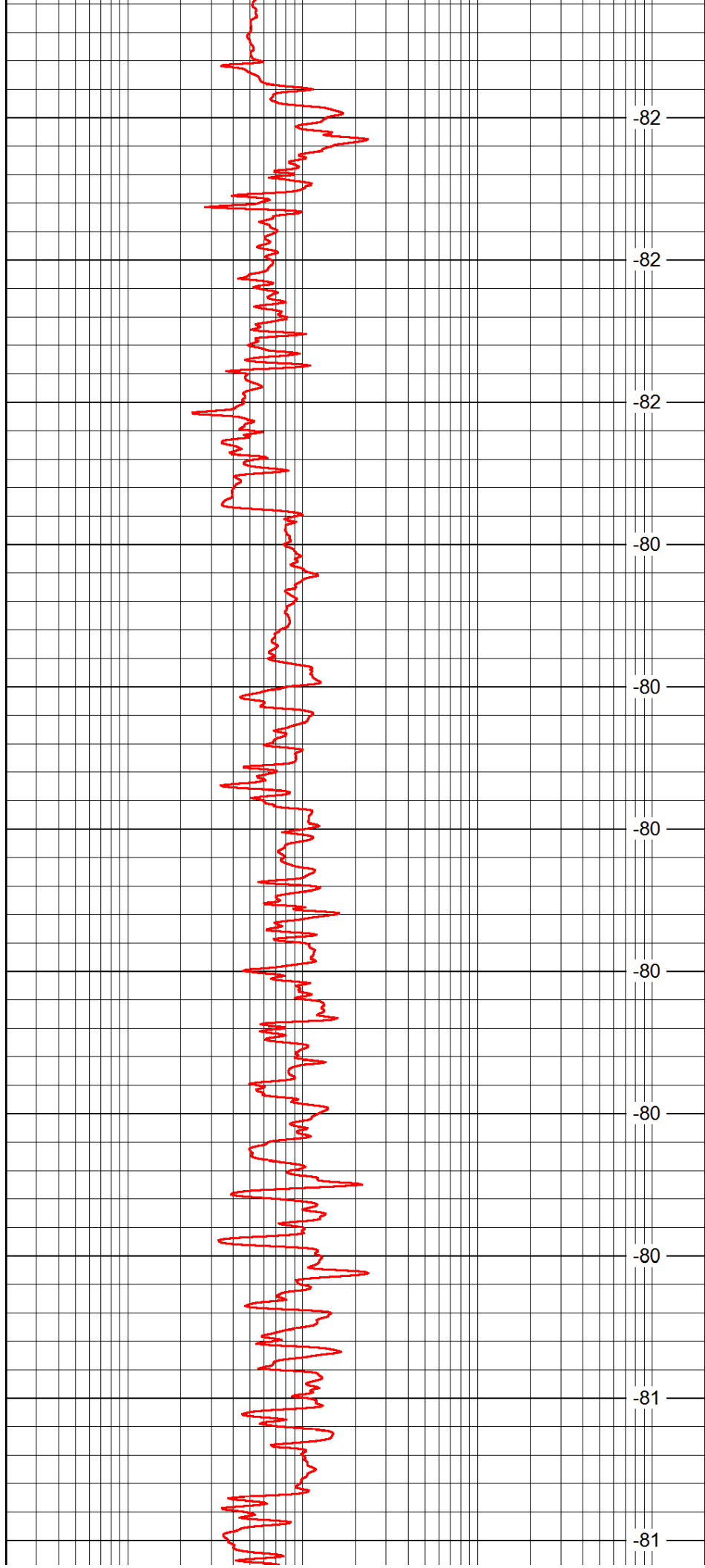
2250

2300

2350

2400

2450



82

82

82

80

80

80

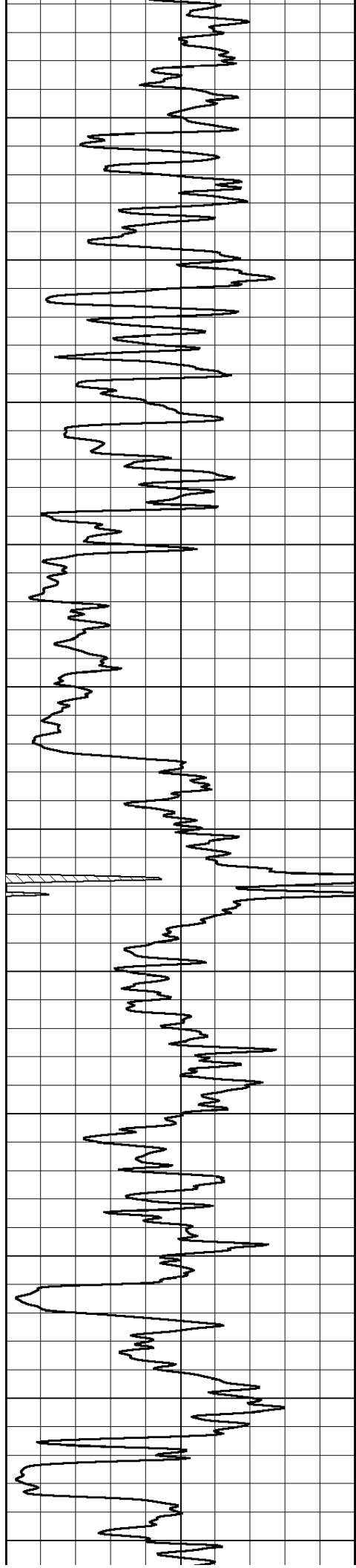
80

80

80

81

81



2500

2550

2600

2650

2700

2750

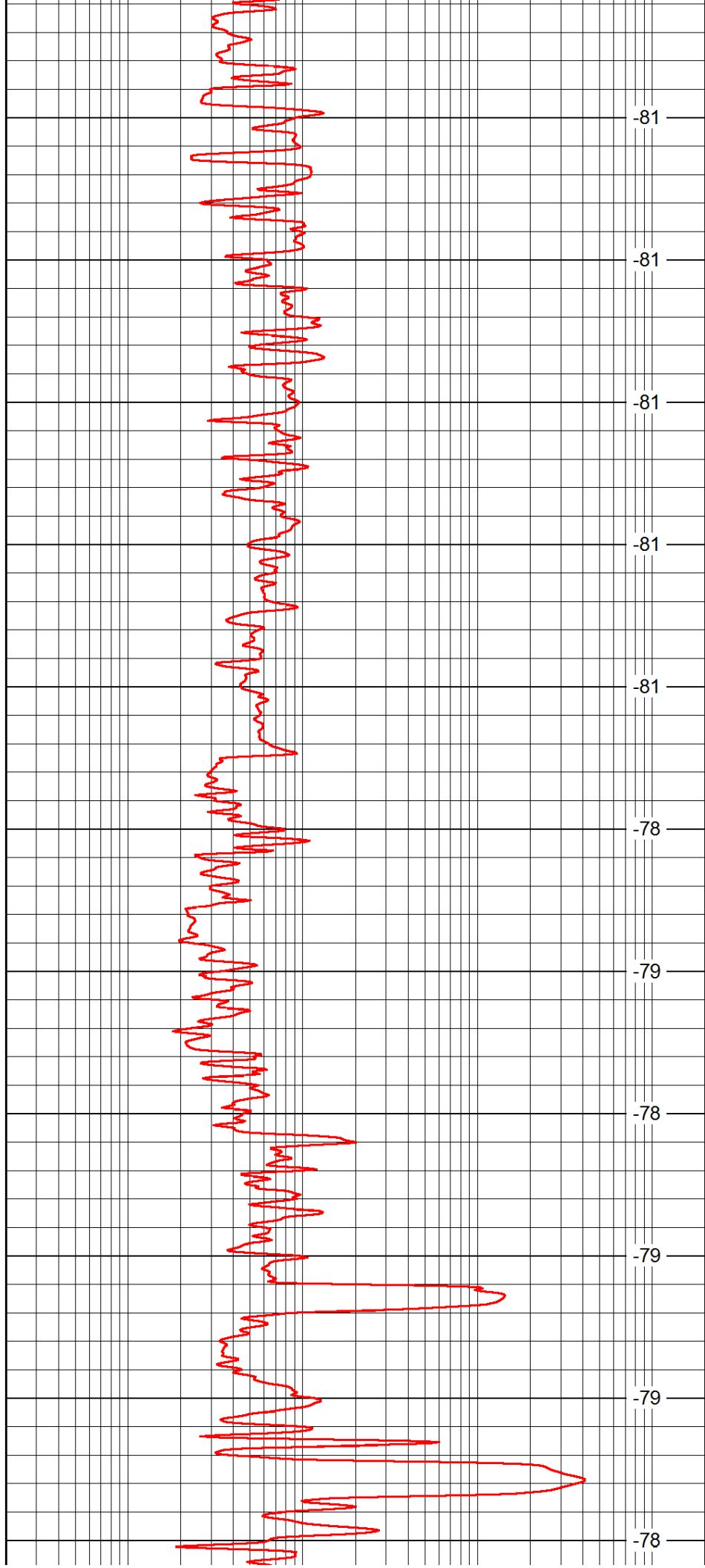
2800

2850

2900

2950

3000



-81

-81

-81

-81

-81

-78

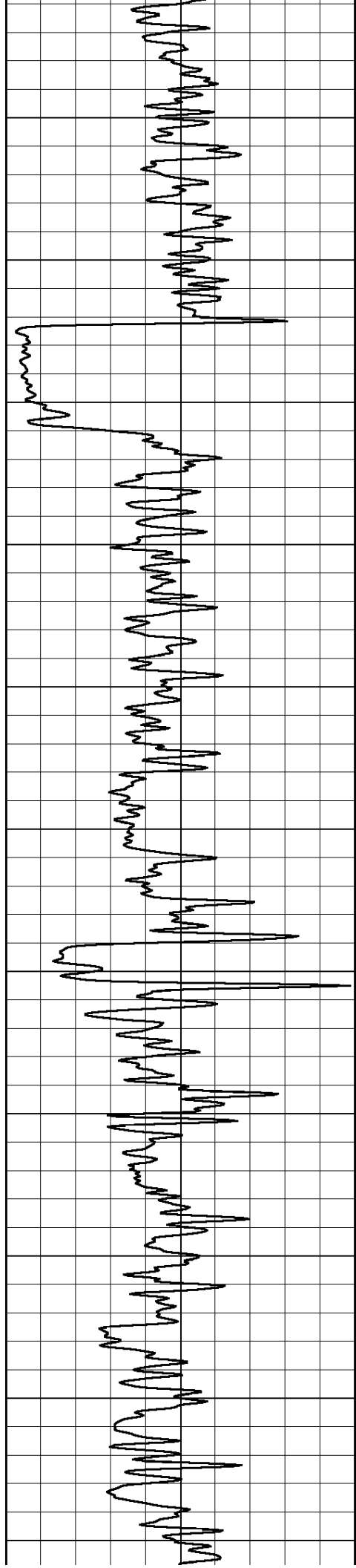
-79

-78

-79

-79

-78



3050

3100

3150

3200

3250

3300

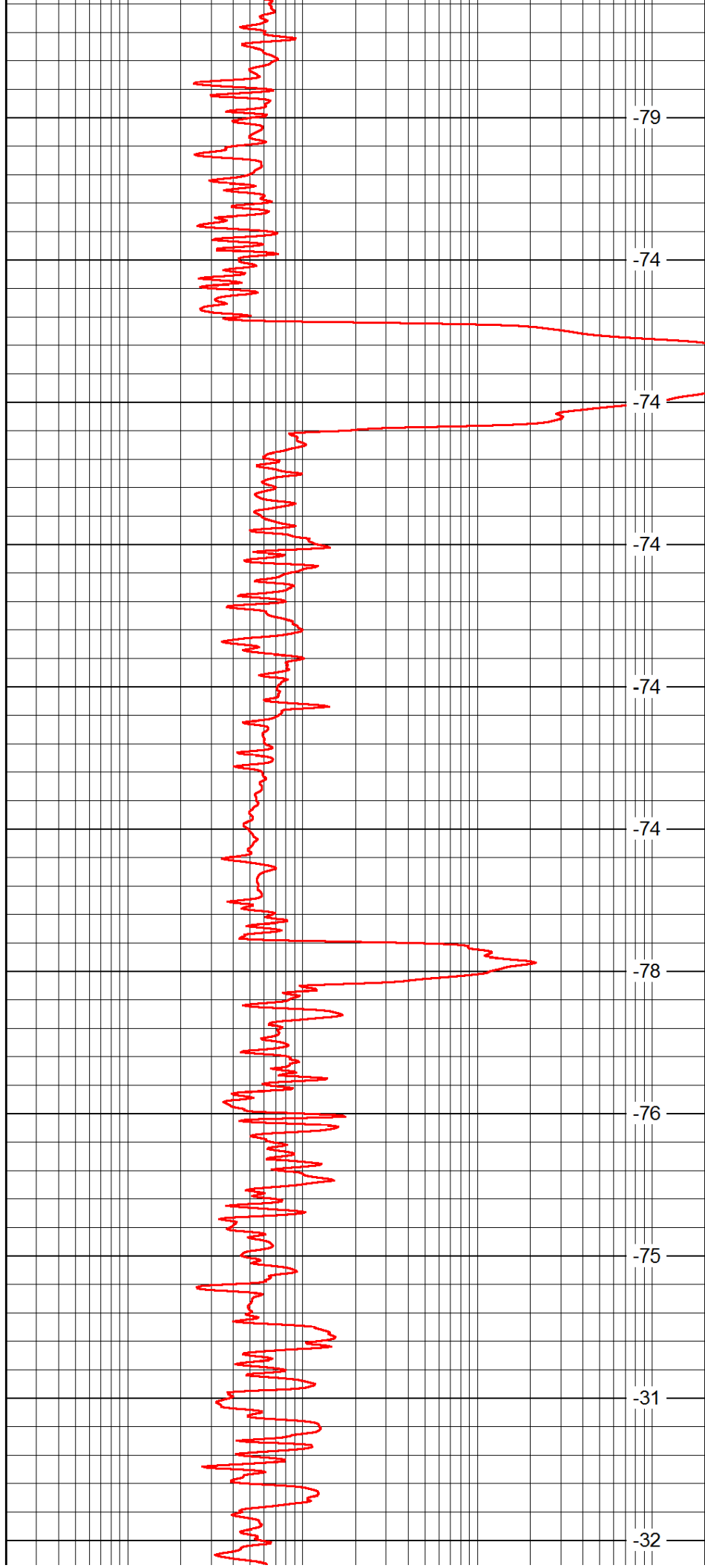
3350

3400

3450

3500

3550



-79

-74

-74

-74

-74

-74

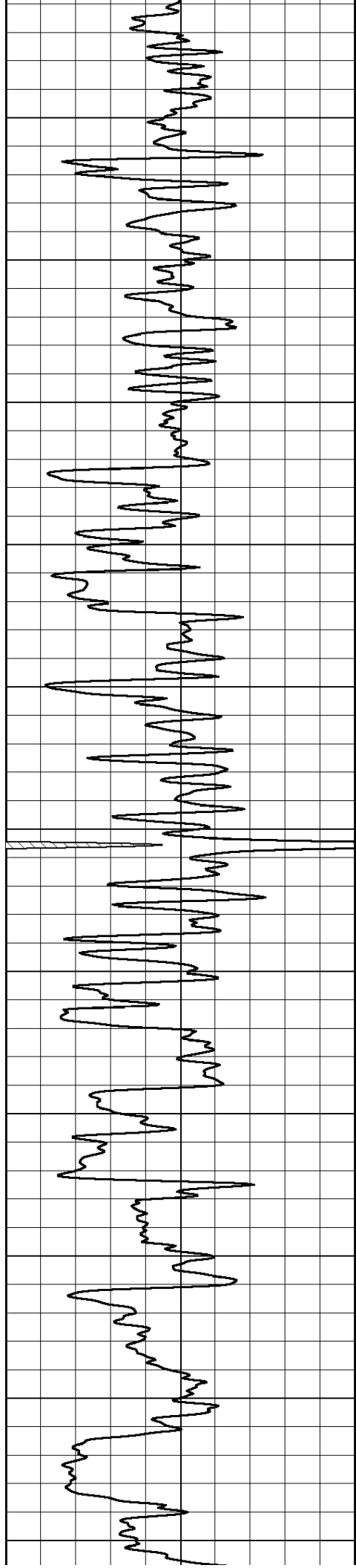
-78

-76

-75

-31

-32



3600

3650

3700

3750

3800

3850

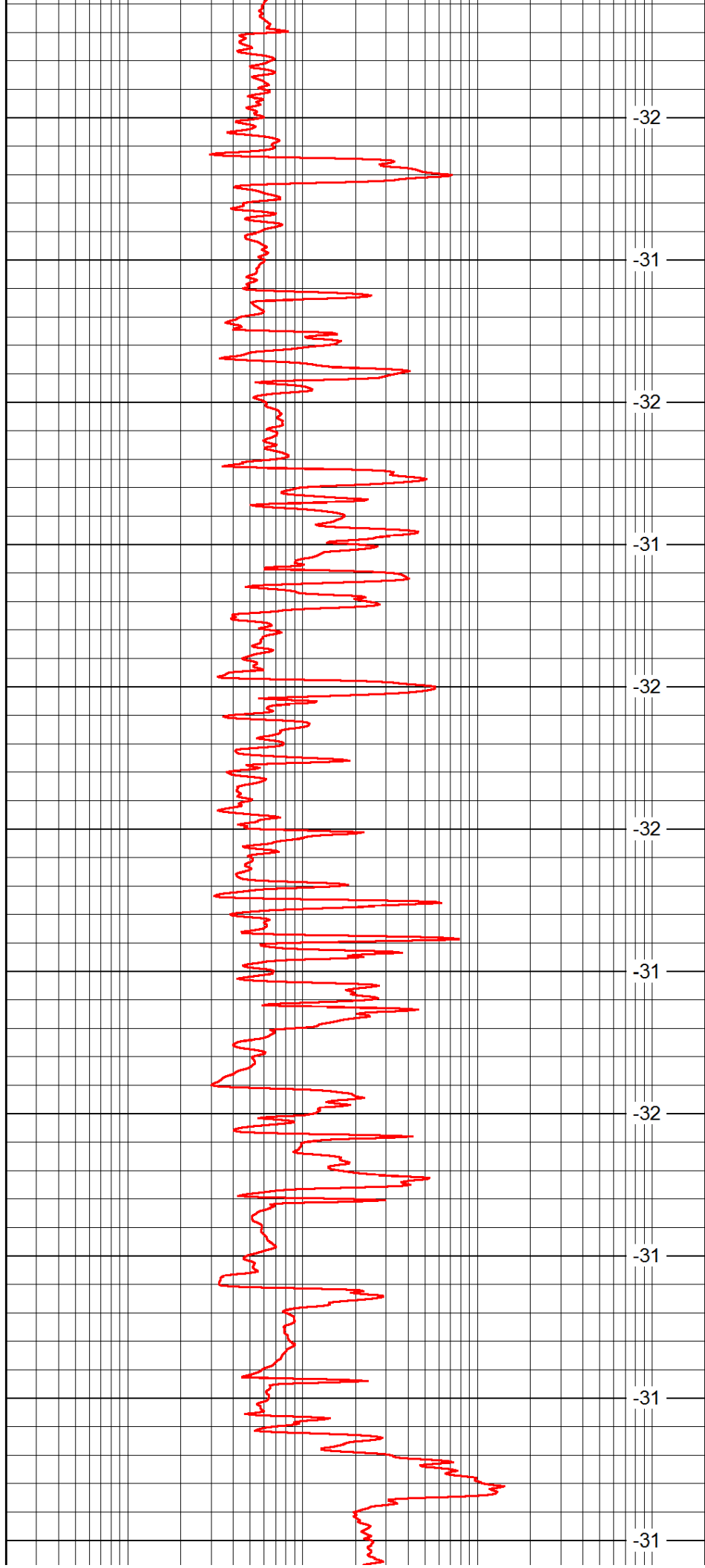
3900

3950

4000

4050

4100



-32

-31

-32

-31

-32

-32

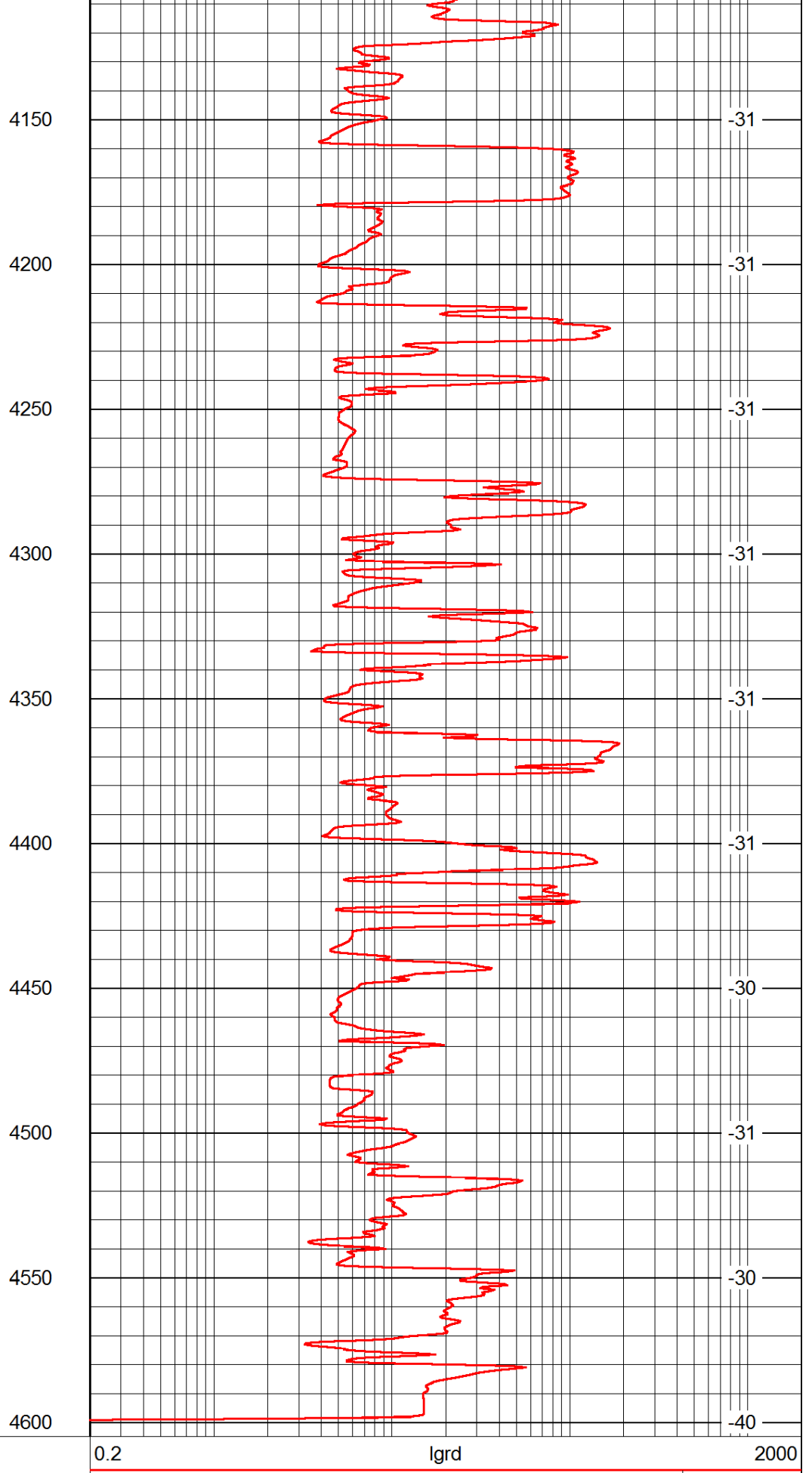
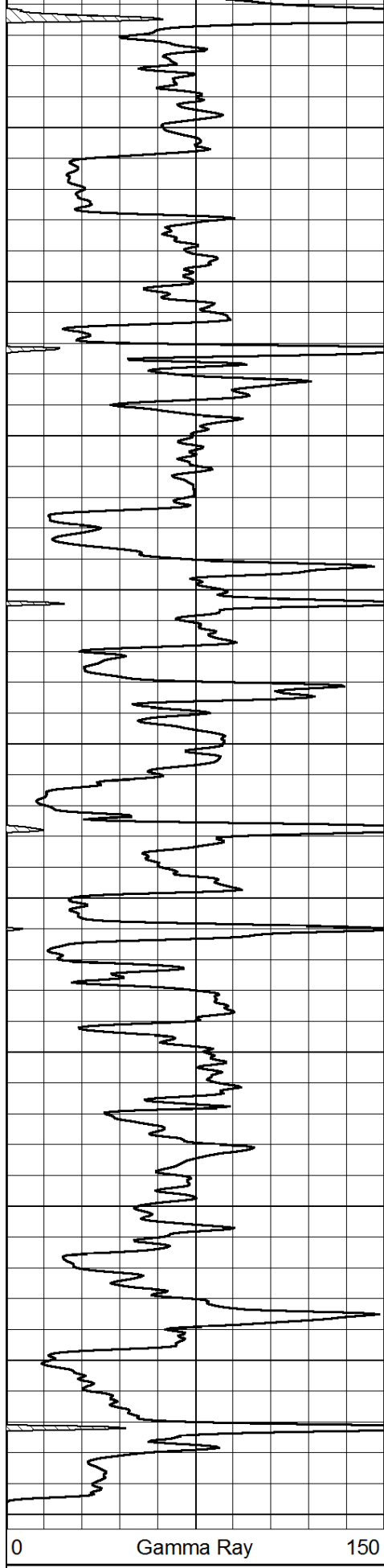
-31

-32

-31

-31

-31

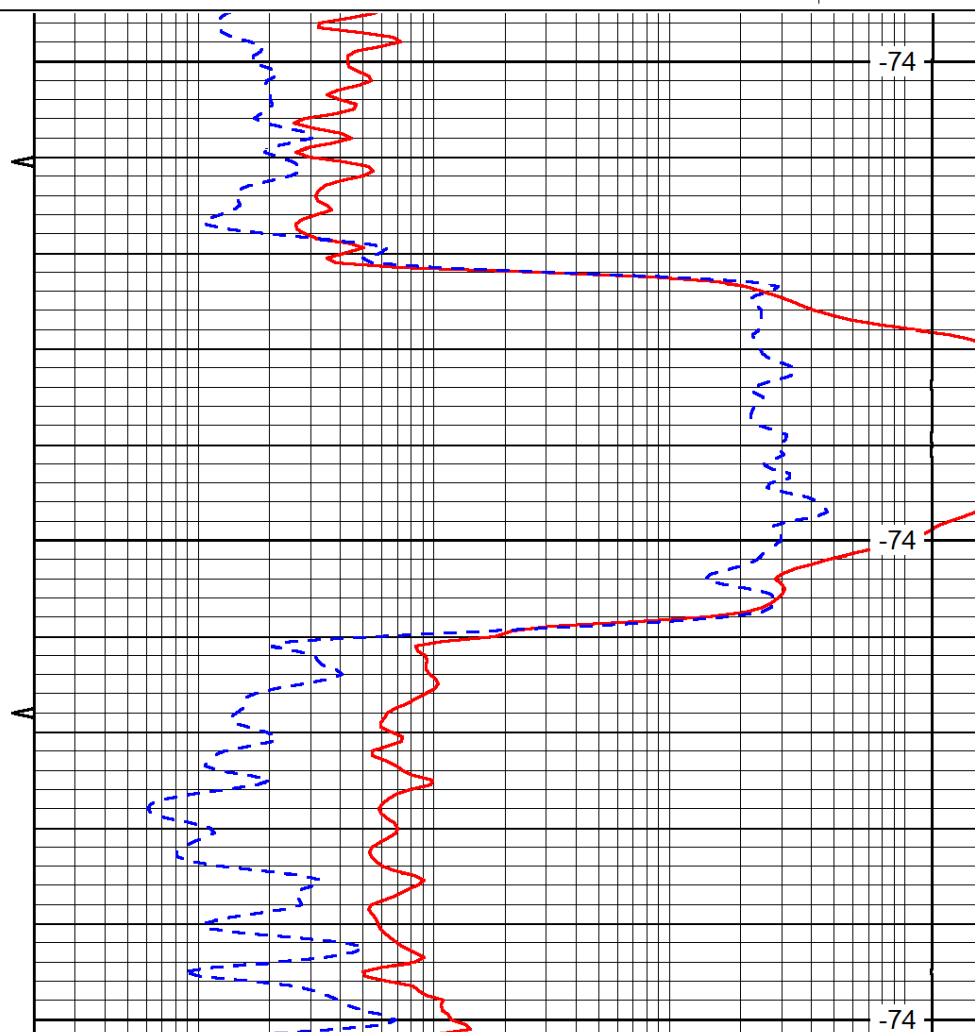
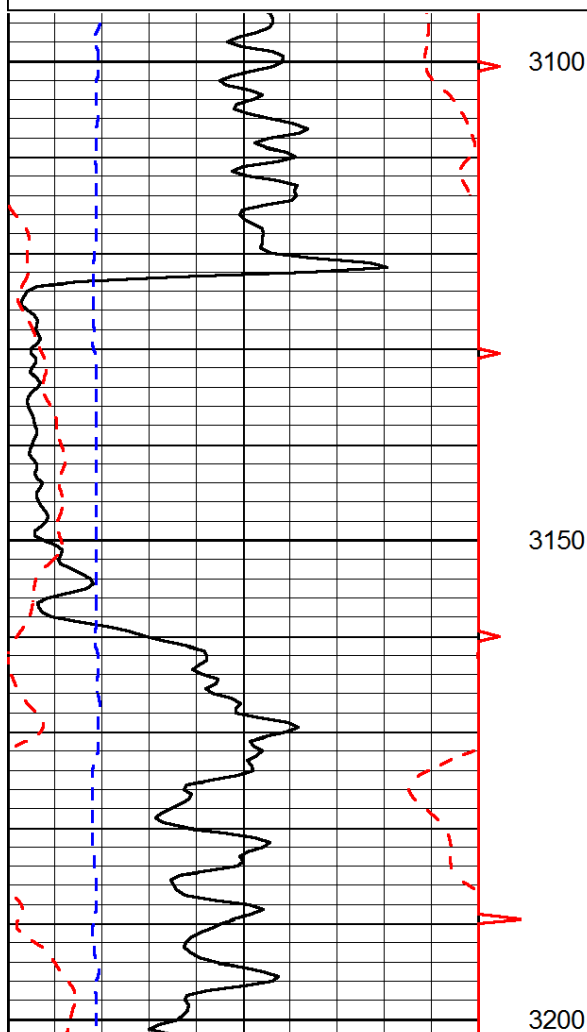


Dataset Pathname: rag/berrag
Presentation Format: rag
Dataset Creation: Thu Oct 17 23:24:55 2013
Charted by: Depth in Feet scaled 1:240

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

0.2	Long Guard	2000
560	Neuton	2160
15000	Line Tension	0

LSPD



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

0.2	Long Guard	2000
560	Neuton	2160
15000	Line Tension	0

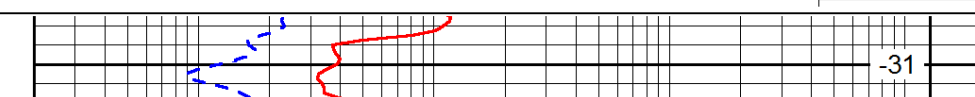
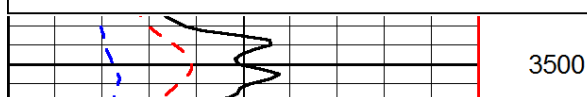
LSPD

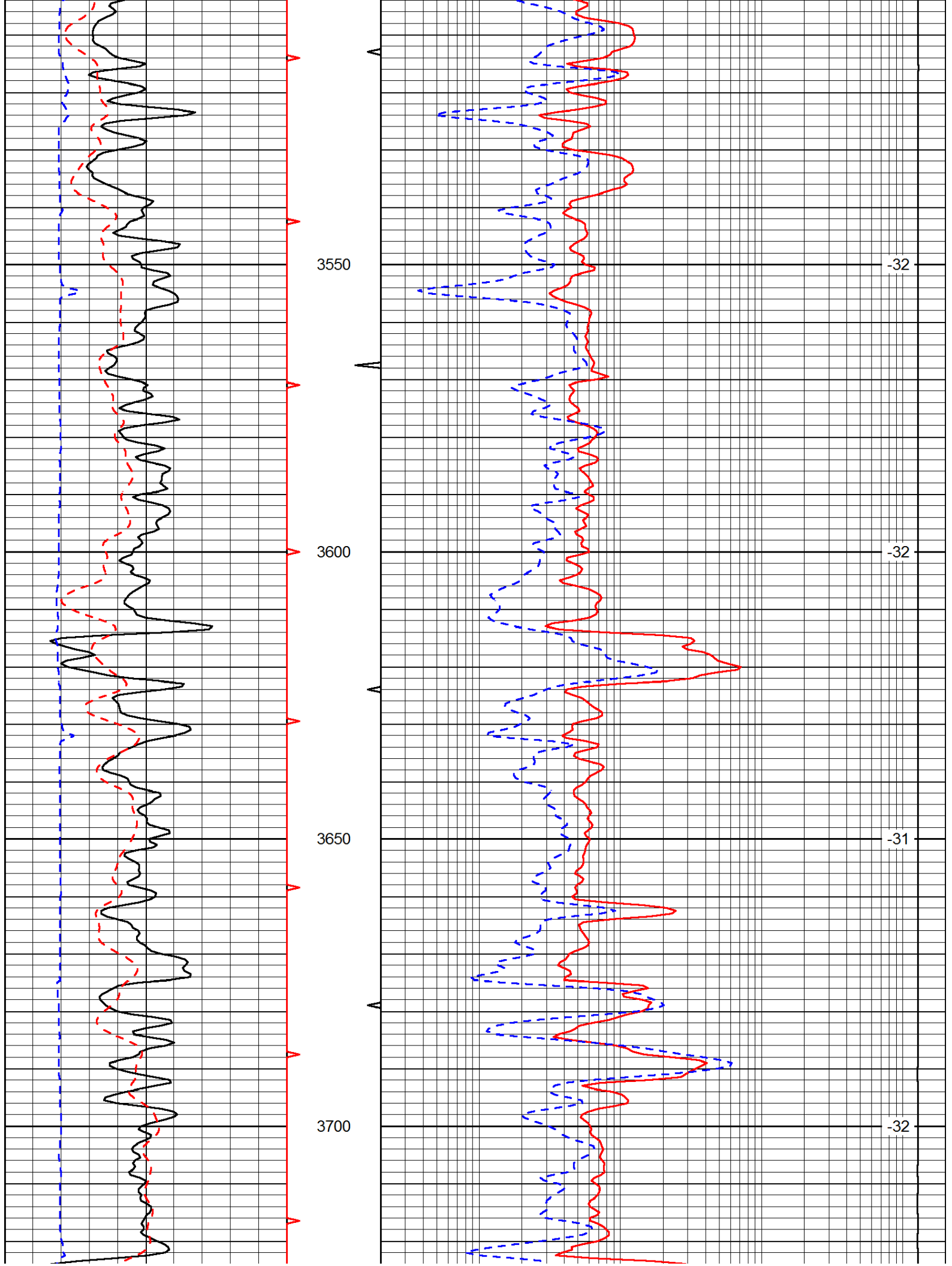
Database File: c:\warrior\data\berexco_bernita #1-27\berhd.db
Dataset Pathname: rag/berrag
Presentation Format: rag
Dataset Creation: Thu Oct 17 23:24:55 2013
Charted by: Depth in Feet scaled 1:240

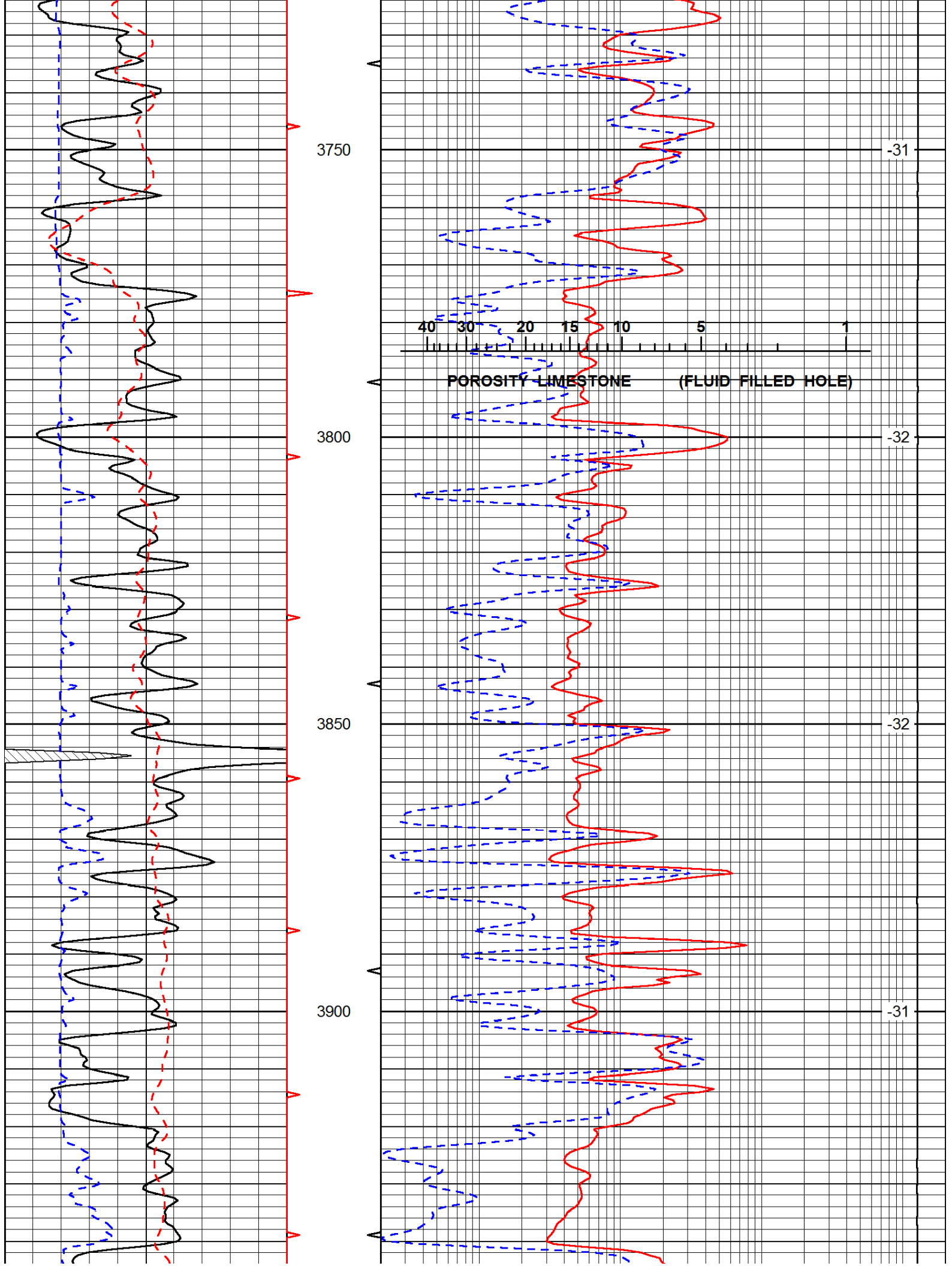
0	Gamma Ray	150
6	Caliper (GAPI)	16
-200	SP (mV)	0

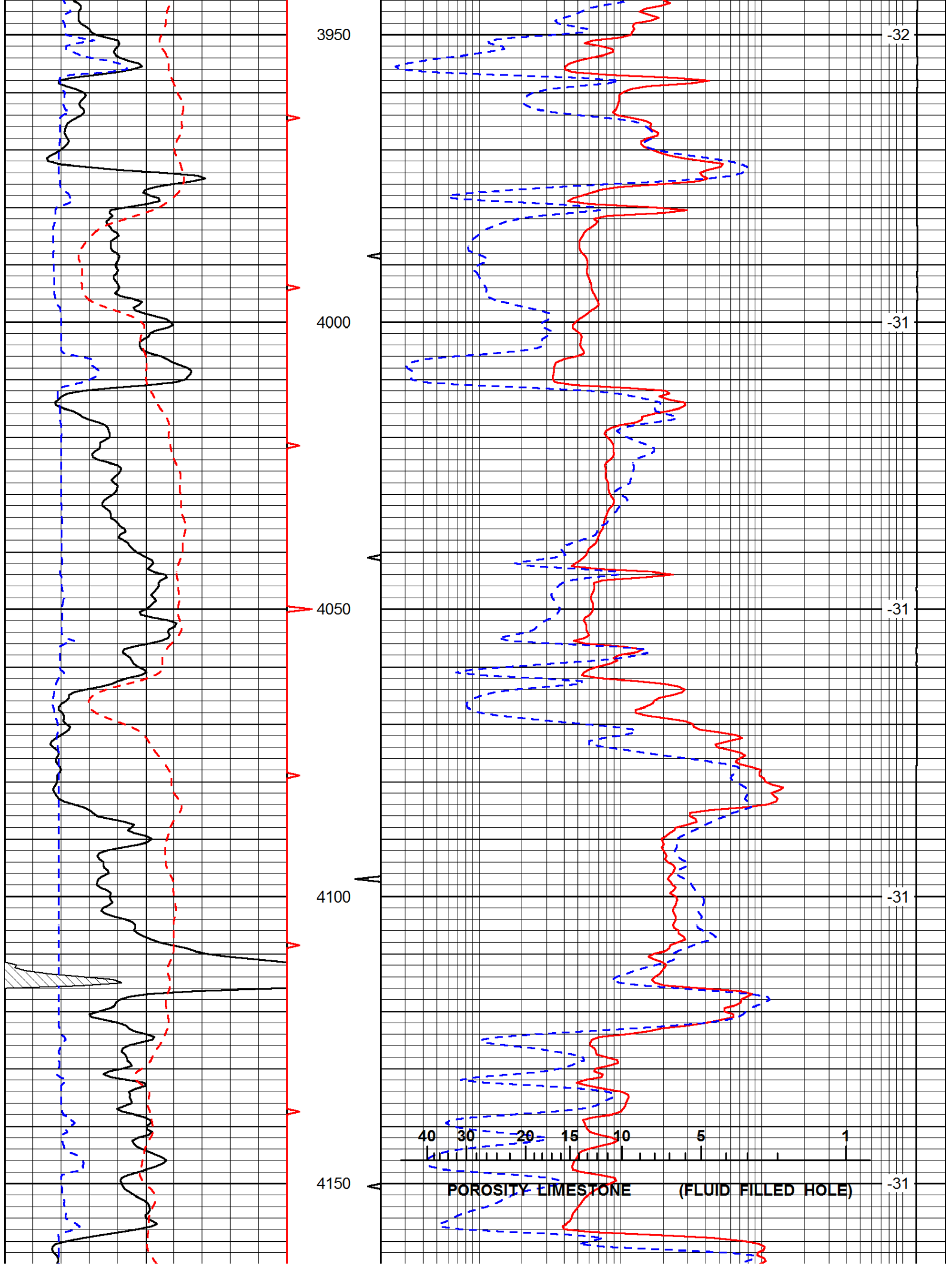
0.2	Long Guard	2000
560	Neuton	2160
15000	Line Tension	0

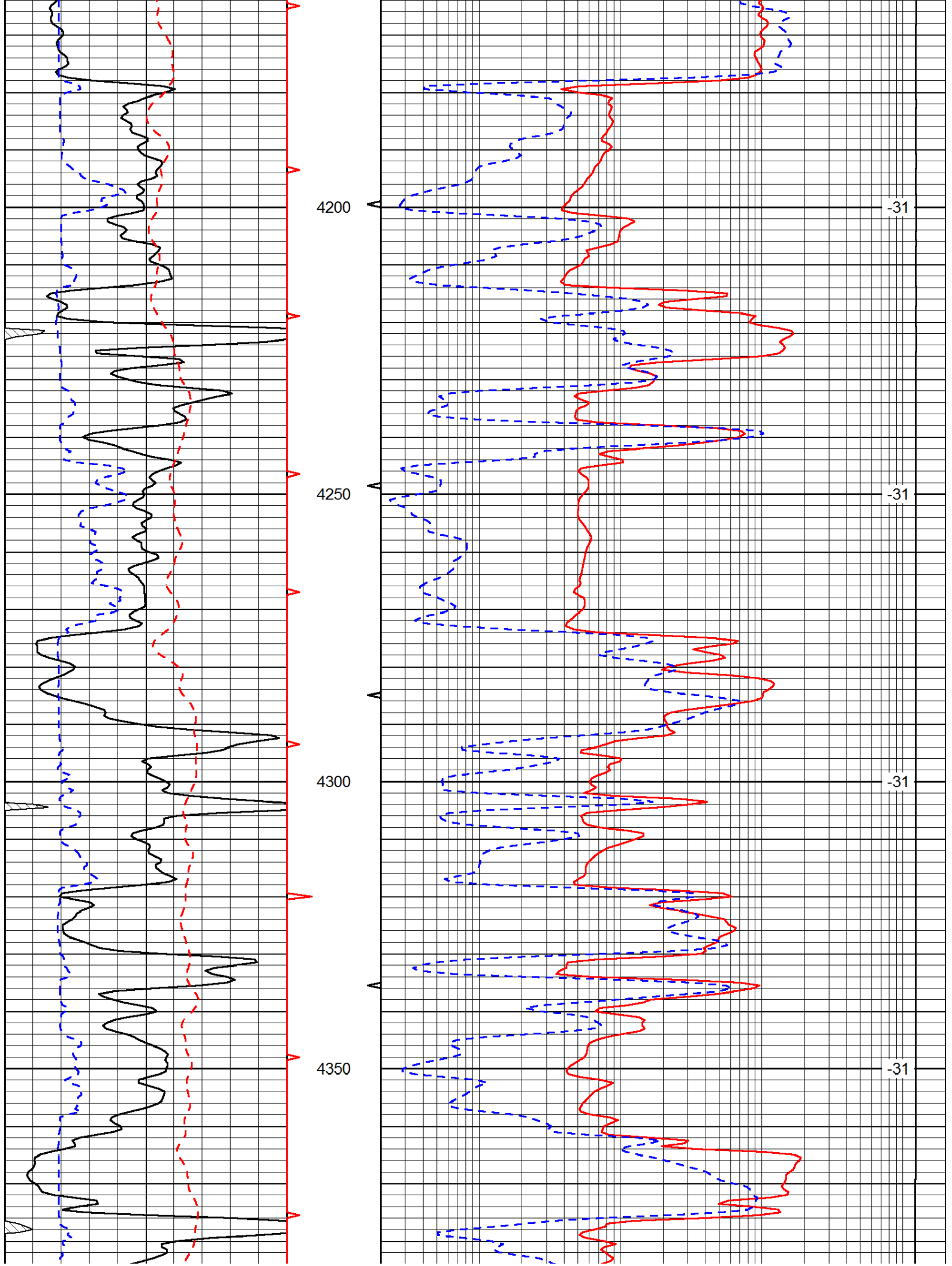
LSPD

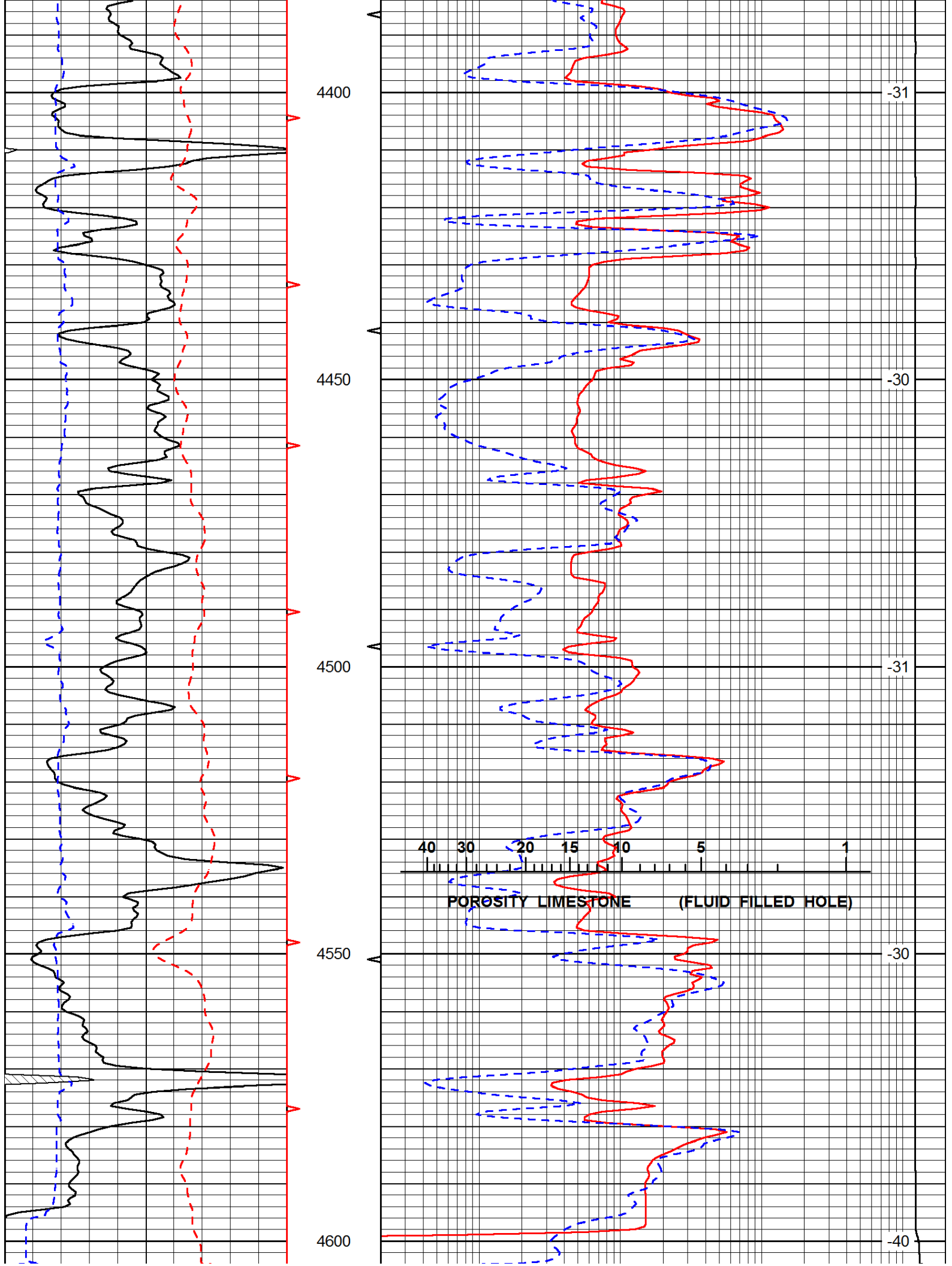












0	Gamma Ray	150
6	Caliper (GAPI)	16
-200	SP (mV)	0

0.2	Long Guard	2000
560	Neuton	2160
15000	Line Tension	0
		LSPD