



Pioneer Energy Services

Radiation Guard Log

API No.	Company Castle Resources, Inc.		
	Well Sutor No.1		
	Field Marcotte		
	County Rooks	State	Kansas
	Location 2310' FNL & 990' FWL	Other Services NONE	
	Sec: 25	Twp: 10S	Rge: 20W
Permanent Datum	Ground Level	Elevation 2148	
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum	
Drilling Measured From	Kelly Bushing	K.B. 2153 D.F. 2148 G.L. 2148	
Date	11/13/2012		
Run Number	One		
Depth Driller	3765		
Depth Logger	3767		
Bottom Logged Interval	3766		
Top Log Interval	150		
Casing Driller	8.625 @ 202		
Casing Logger	225		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity,ppm CL	3,000		
Density / Viscosity	9.2	56	
pH / Fluid Loss	10.0	9.2	
Source of Sample	Flowline		
Rm @ Meas. Temp	.8 @ 47		
Rmf @ Meas. Temp	.6 @ 47		
Rmc @ Meas. Temp	1.08 @ 47		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.33 @ 114		
Operating Rig Time	2 Hours		
Max Rec. Temp. F	114		
Equipment Number	17		
Location	Hays		
Recorded By	C. Desaire		
Witnessed By	Jerry Green		

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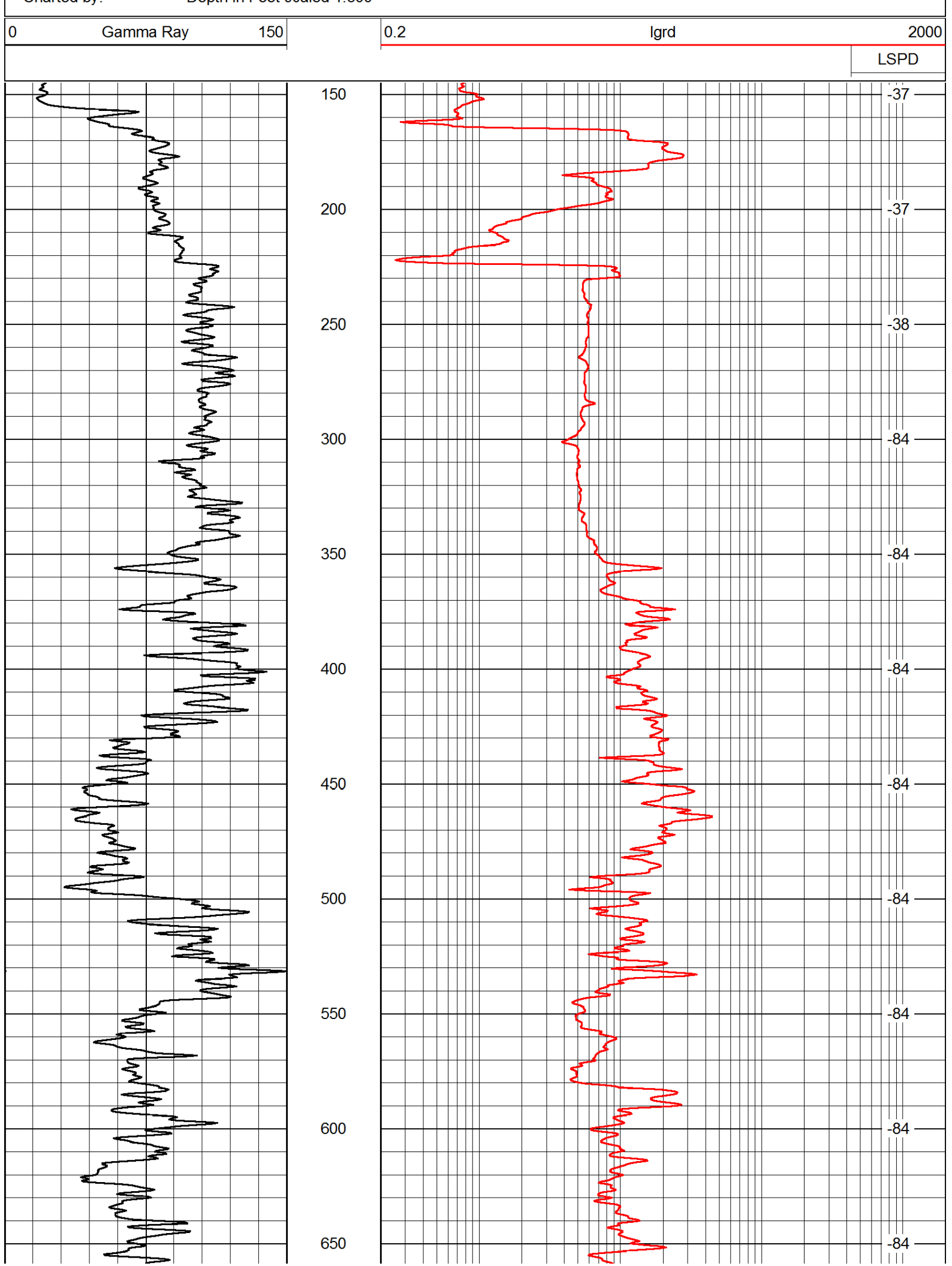
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

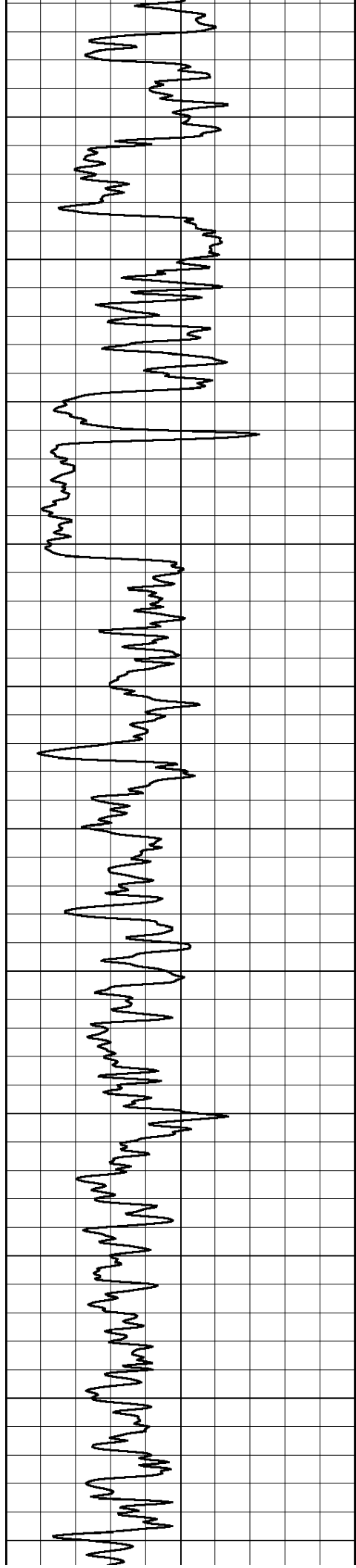
Comments

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

Ellis KS, N to Co Ln,
4 N to AA Rd, 2 1/2 E, 2 1/2 S, E Into

Database File: c:\warrior\data\castle_sutor #1\castlehd3.db
Dataset Pathname: rag/cstlrage2
Presentation Format: rag2in
Dataset Creation: Tue Nov 13 12:28:18 2012
Charted by: Depth in Feet scaled 1:600





700

750

800

850

900

950

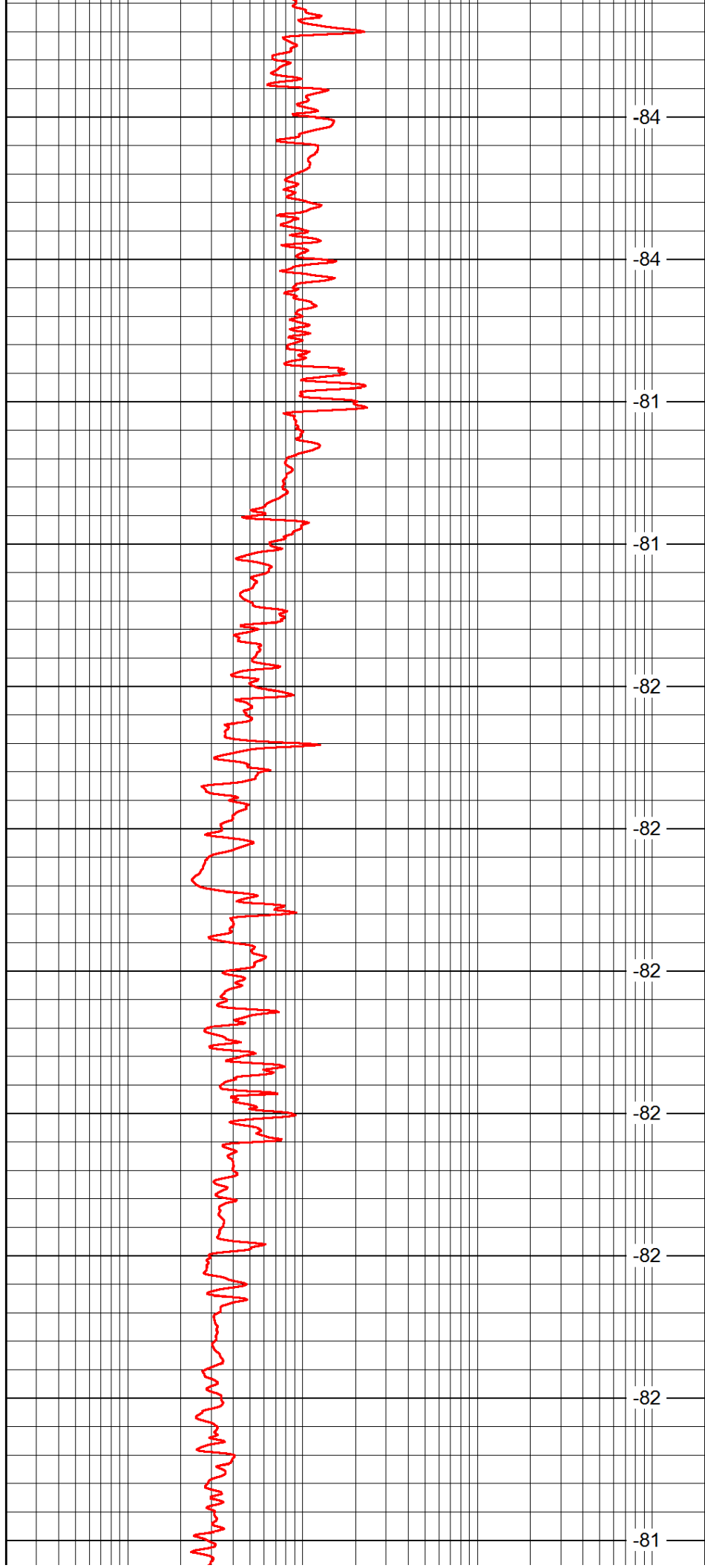
1000

1050

1100

1150

1200



-84

-84

-81

-81

-82

-82

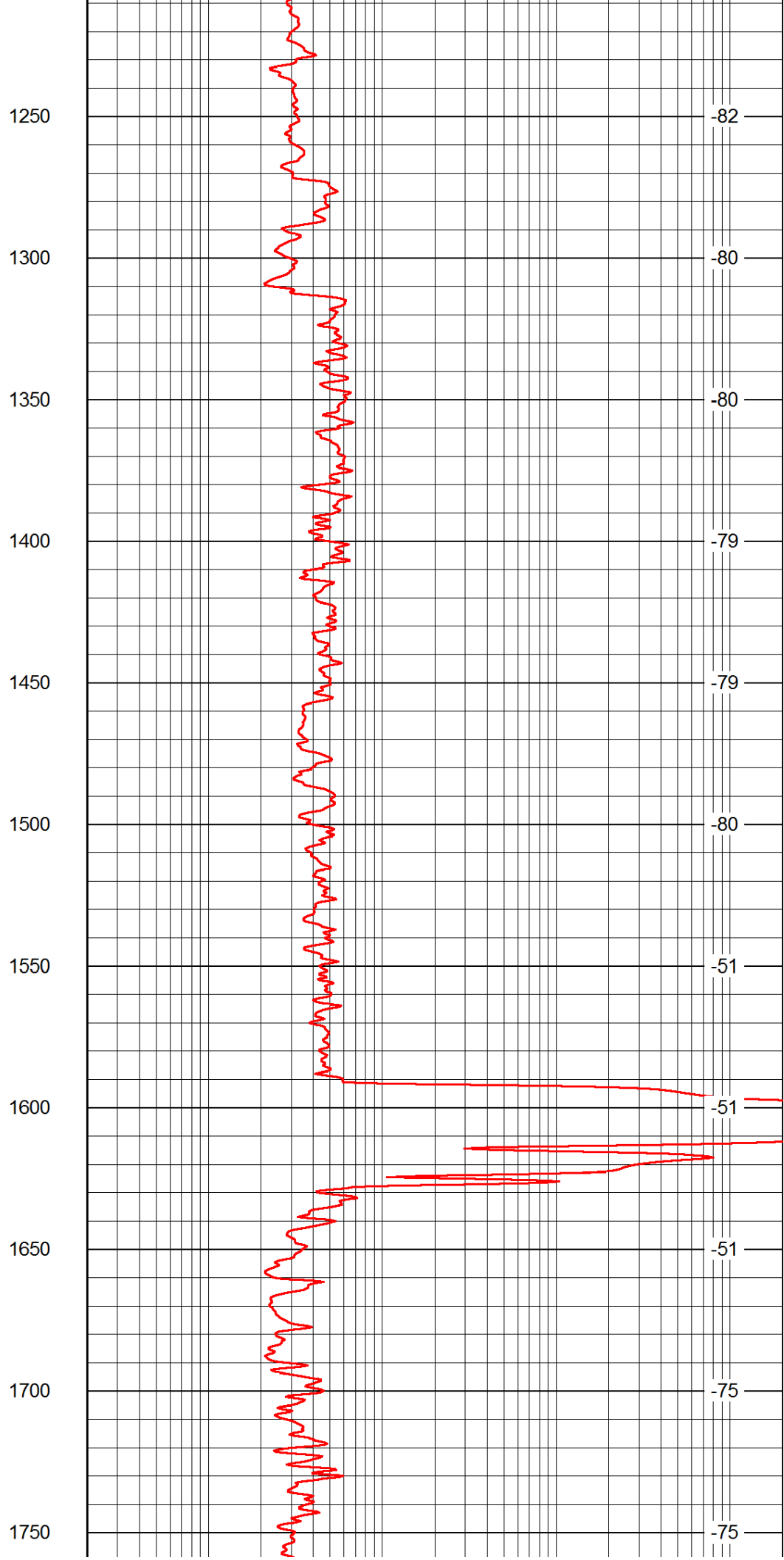
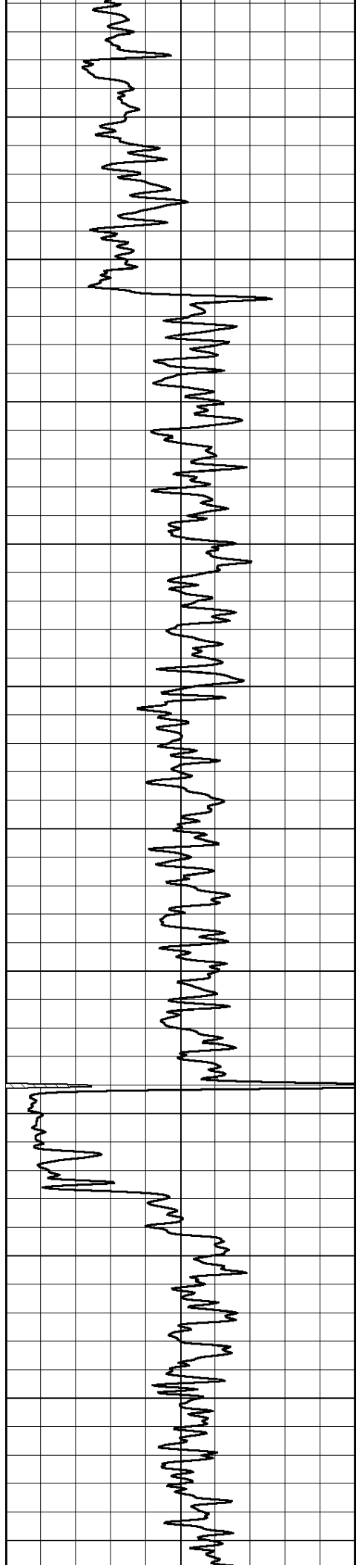
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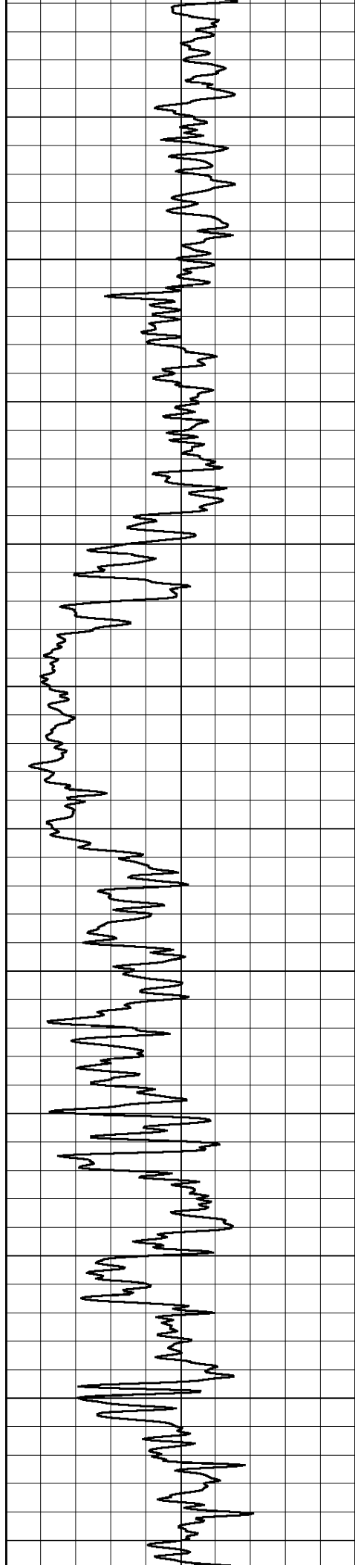
-82

-82

-82

-81





1800

1850

1900

1950

2000

2050

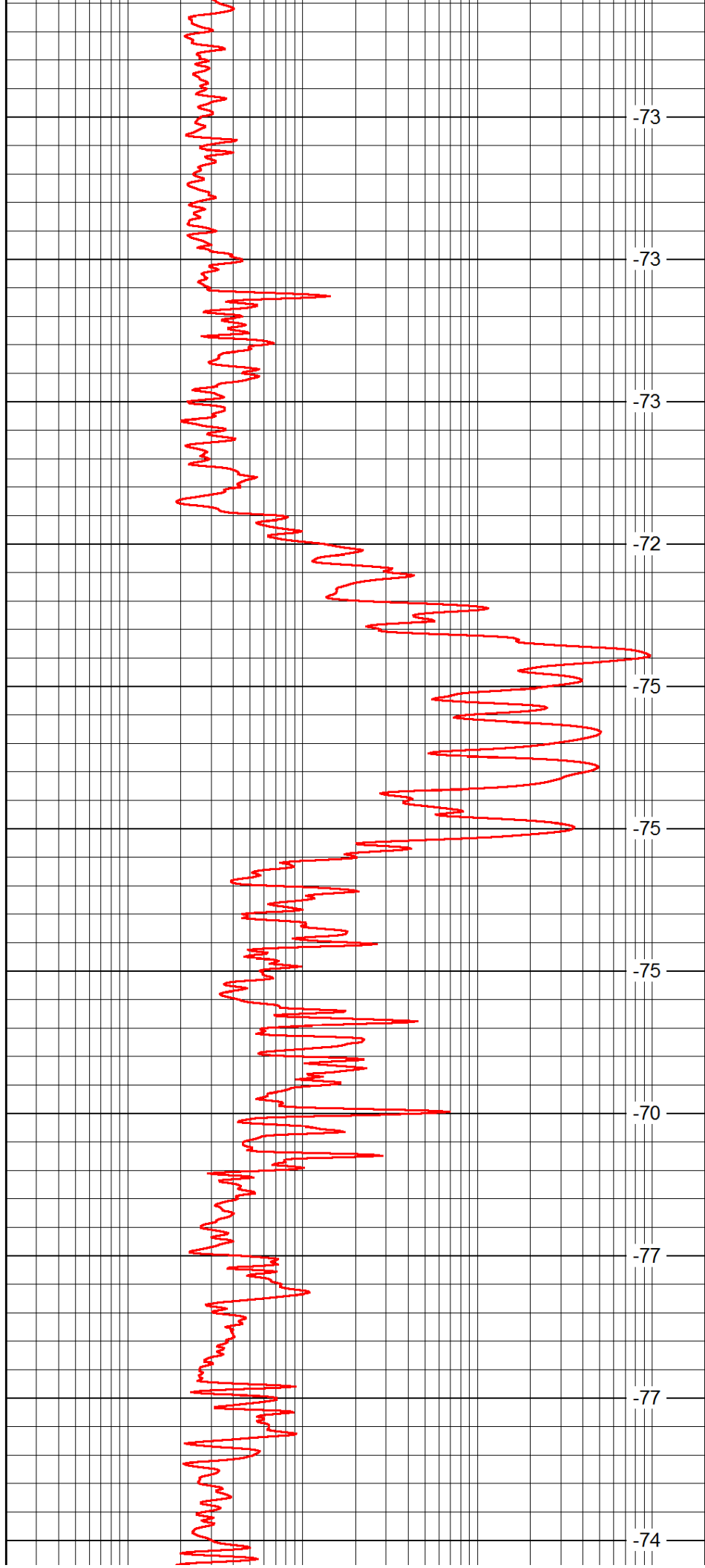
2100

2150

2200

2250

2300



-73

-73

-73

-72

-75

-75

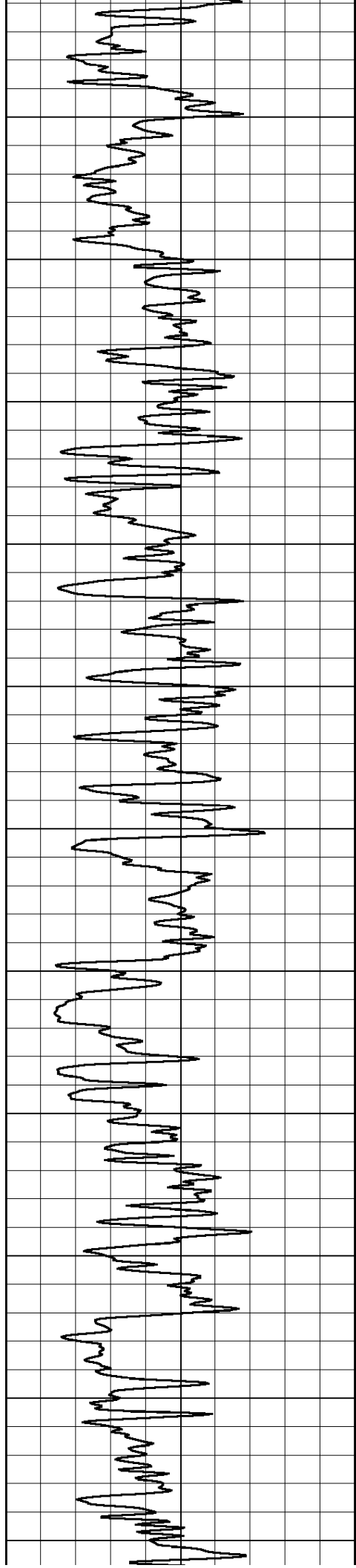
-75

-70

-77

-77

-74



2350

2400

2450

2500

2550

2600

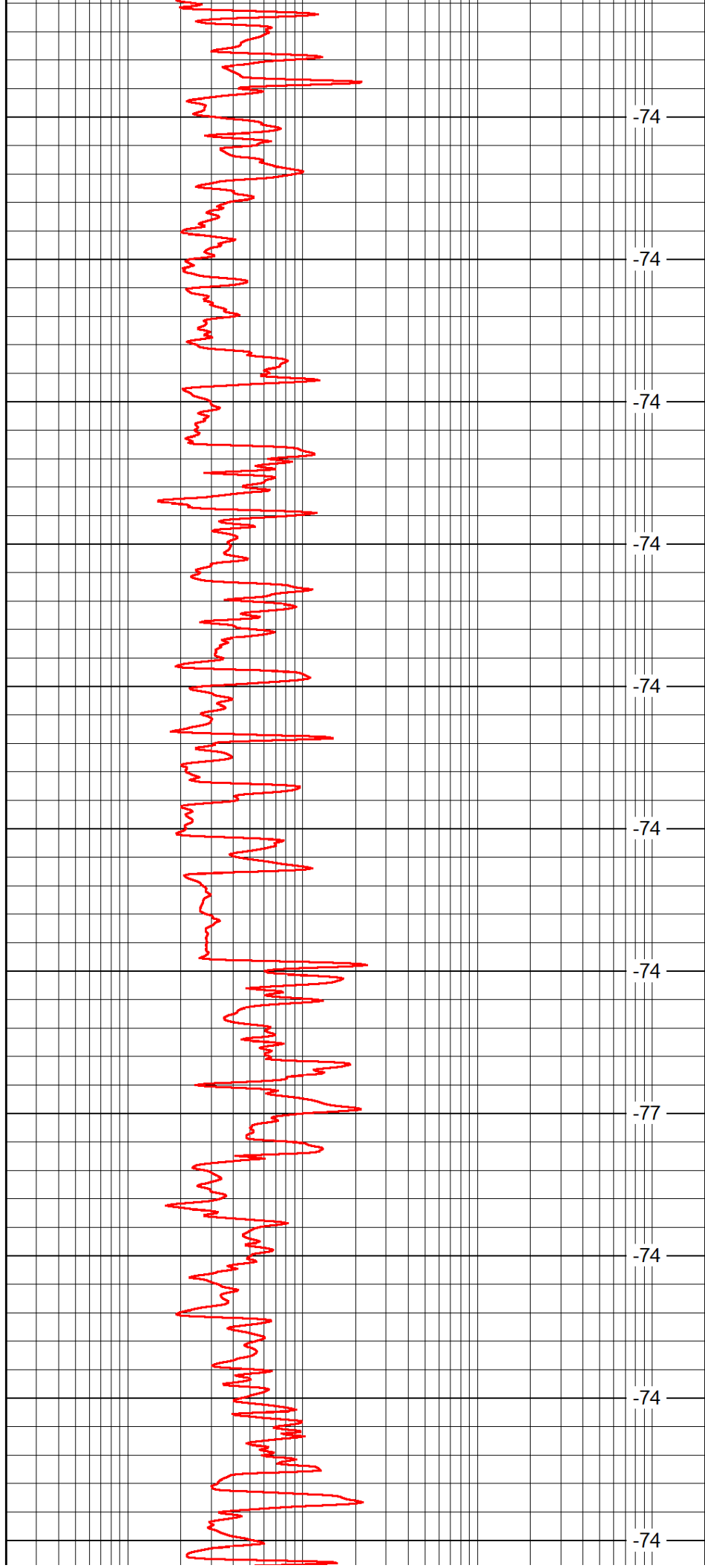
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2700

2750

2800

2850



-74

-74

-74

-74

-74

-74

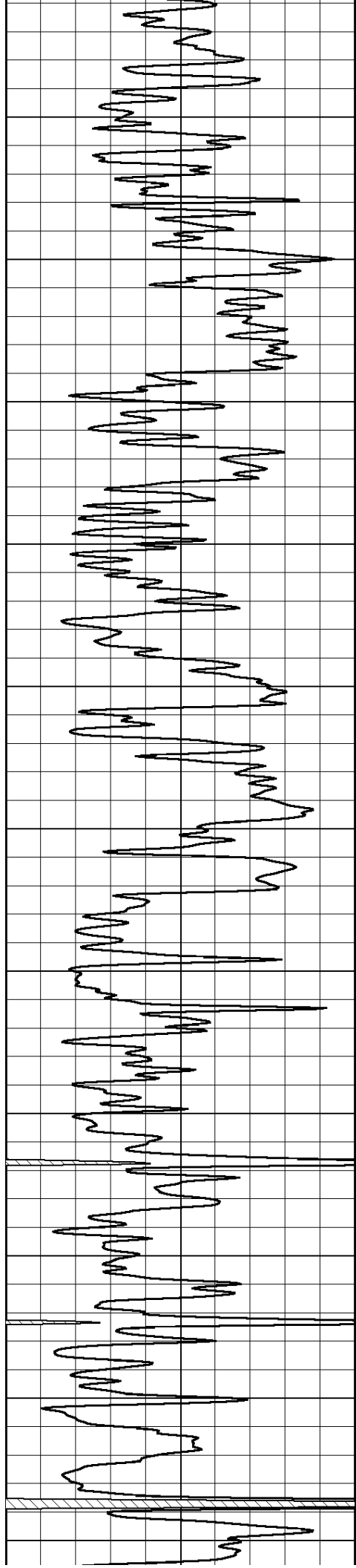
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-77

-74

-74

-74



2900

2950

3000

3050

3100

3150

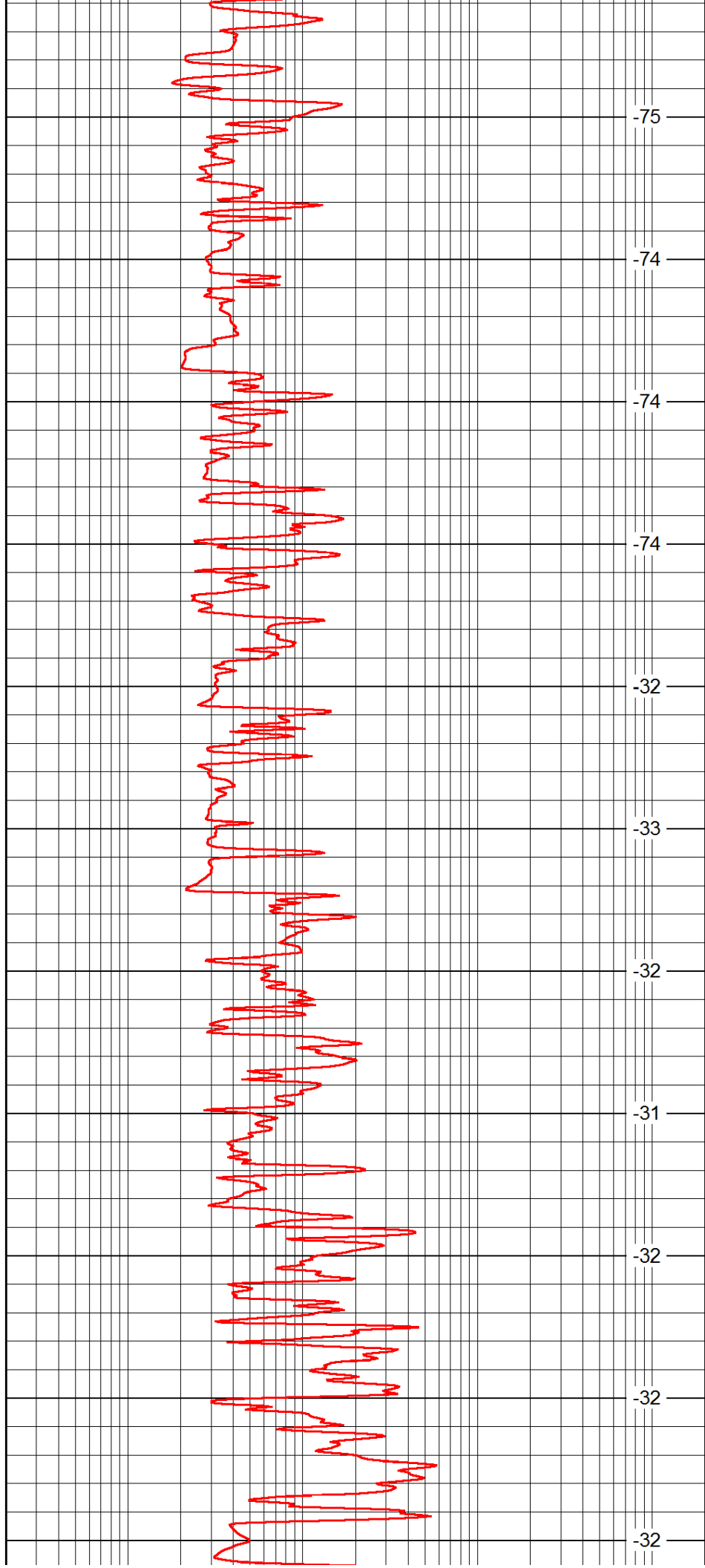
3200

3250

3300

3350

3400



-75

-74

-74

-74

-32

-33

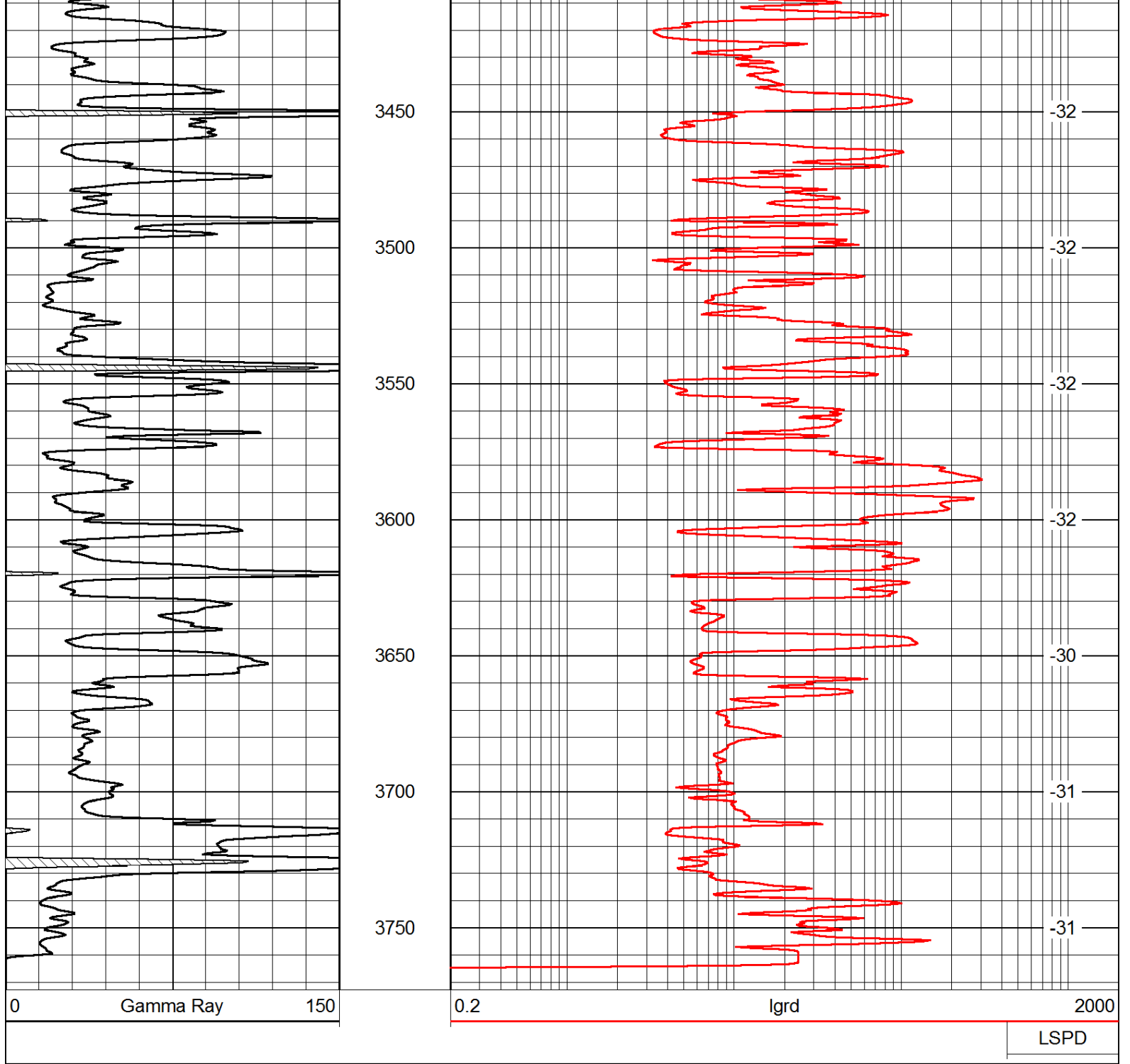
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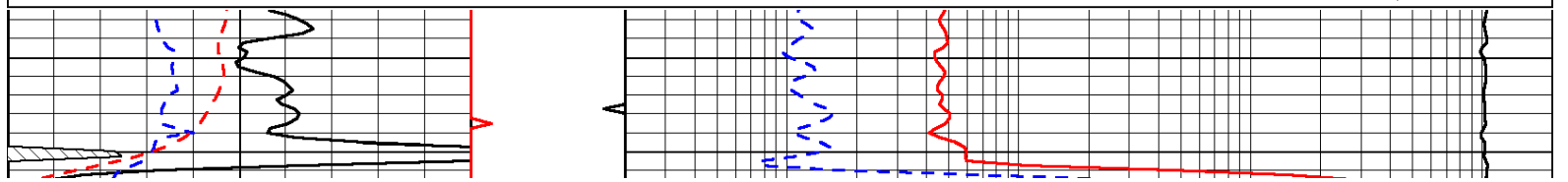
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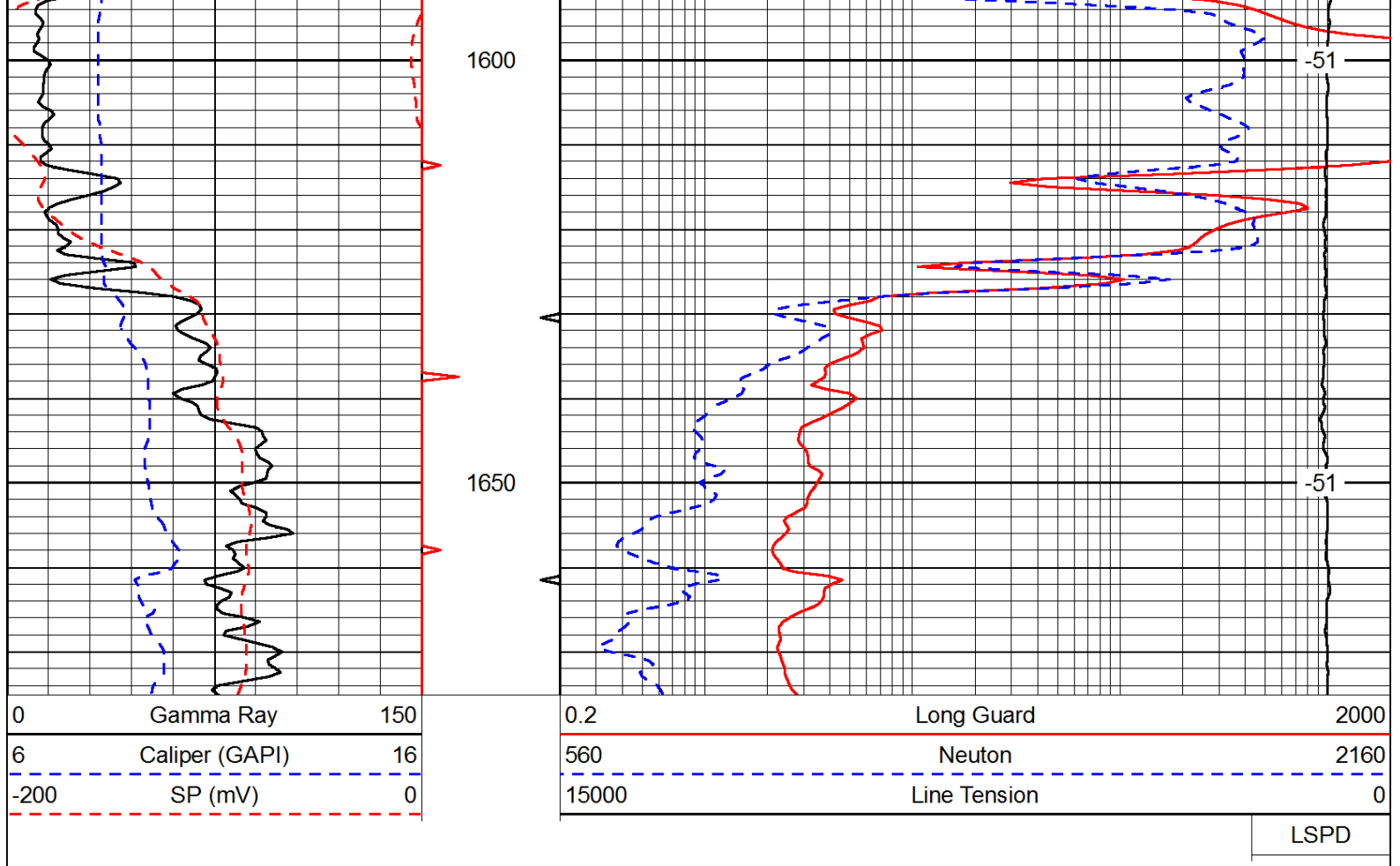
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 Dataset Pathname: rag/cstlrage2
 Presentation Format: rag
 Dataset Creation: Tue Nov 13 12:28:18 2012
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150	0.2	Long Guard	2000
6	Caliper (GAPI)	16	560	Neutron	2160
-200	SP (mV)	0	15000	Line Tension	0
LSPD					





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