



Radiation Guard Log

DIGITAL LOG (785) 625-3858

API No. 15-051-26,258-00-00

Company **Cobalt Energy LLC.**
 Well **Joy Estate "A" No. 1-11**
 Field **Wildcat**
 County **Ellis** State **Kansas**
 Location **990' FSL & 335' FEL**
 Sec: **11** Twp: **12 S** Rge: **19 W**

Permament Datum **Ground Level** Elevation **2132**
 Log Measured From **Kelly Bushing** 10 Ft. Above Perm. Datum
 Drilling Measured From **Kelly Bushing**
 Date **2/04/2012**

Other Services
 NONE
 Elevation
 K.B. 2142
 D.F. 2132
 G.L. 2132

Run Number	One
Depth Driller	3820
Depth Logger	3818
Bottom Logged Interval	3817
Top Log Interval	200
Casing Driller	8.625 @ 244
Casing Logger	244
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity.ppm CL	6800
Density / Viscosity	9.0 55
pH / Fluid Loss	10.0 6.8
Source of Sample	Flowline
Rm @ Meas. Temp	.70 @ 60
Rmf @ Meas. Temp	.52 @ 60
Rmc @ Meas. Temp	.94 @ 60
Source of Rmf / Rmc	Charts
Rm @ BHT	.36 @ 116
Operating Rig Time	2 Hours
Max Rec. Temp. F	116
Equipment Number	91
Location	Hays
Recorded By	D Kerr
Witnessed By	Tim Lauer

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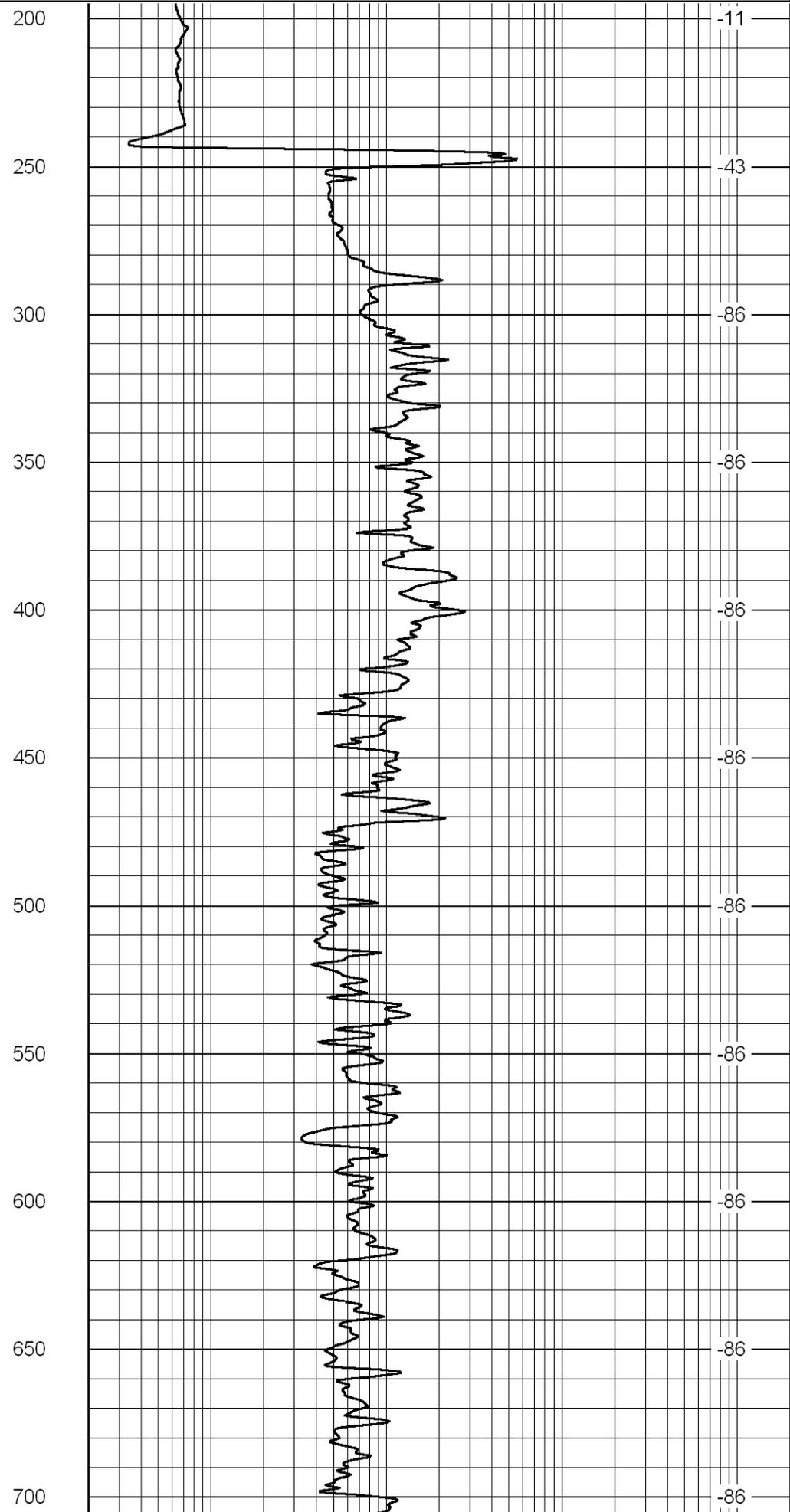
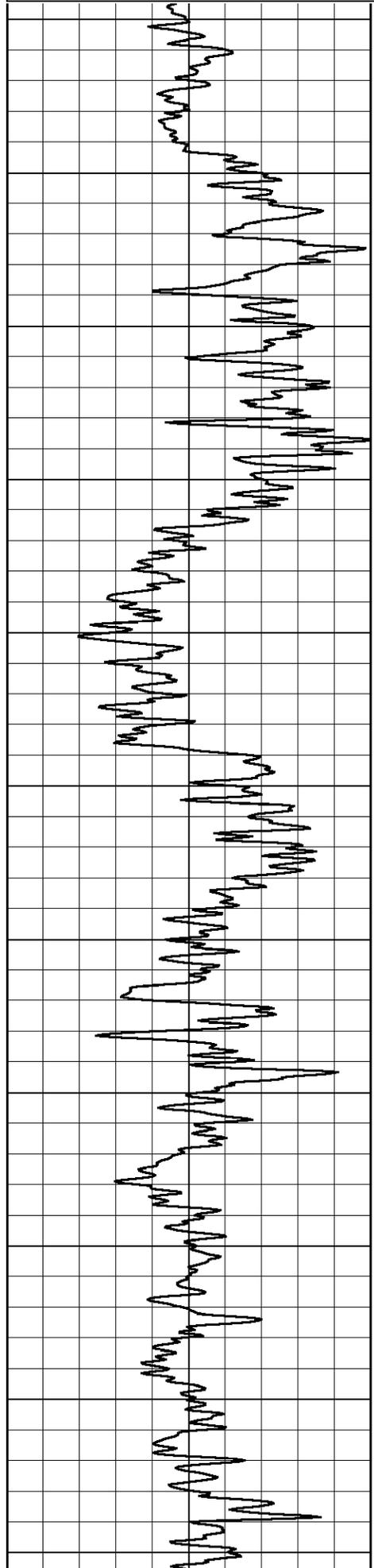
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

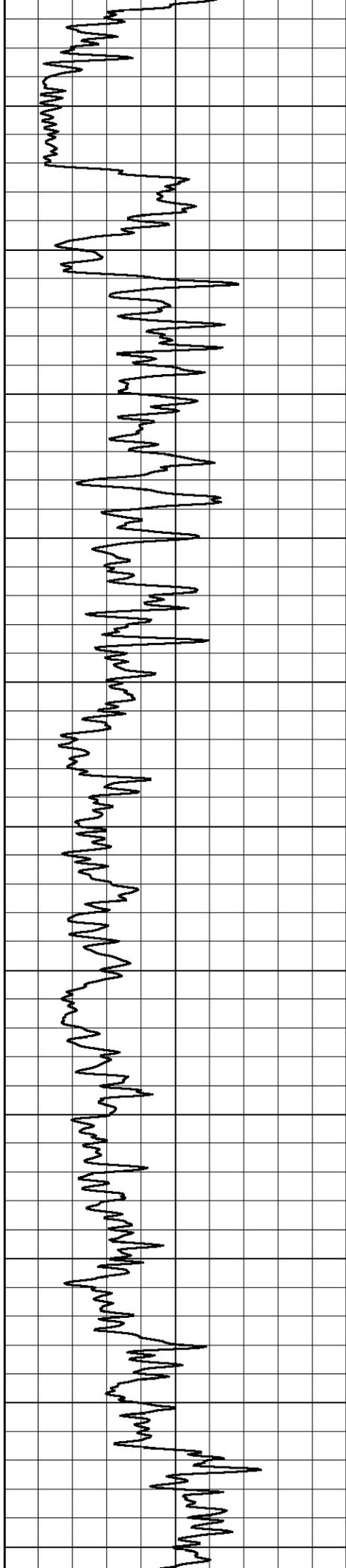
Comments

Thank you for using Log-Tech, Inc.
 (785) 625-3858
 Hays KS, North Buckeye RD,
 4 West, 1 3/4 North,
 West Into

Database File: cobalt_joy_hd.db
 Dataset Pathname: RAG/cbltrag
 Presentation Format: rag2in
 Dataset Creation: Sat Feb 04 23:00:43 2012
 Charted by: Depth in Feet scaled 1:600

LSPD





750

800

850

900

950

1000

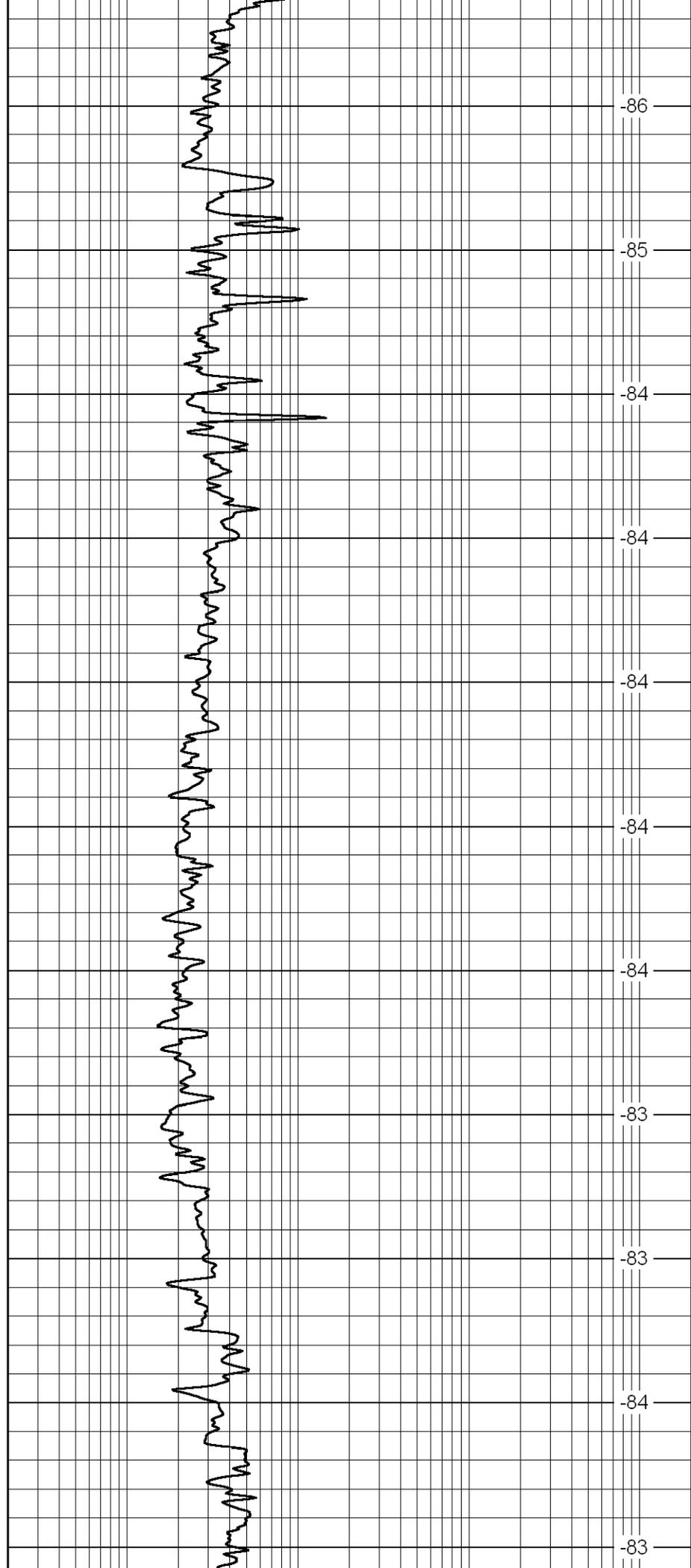
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1100

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1200

1250



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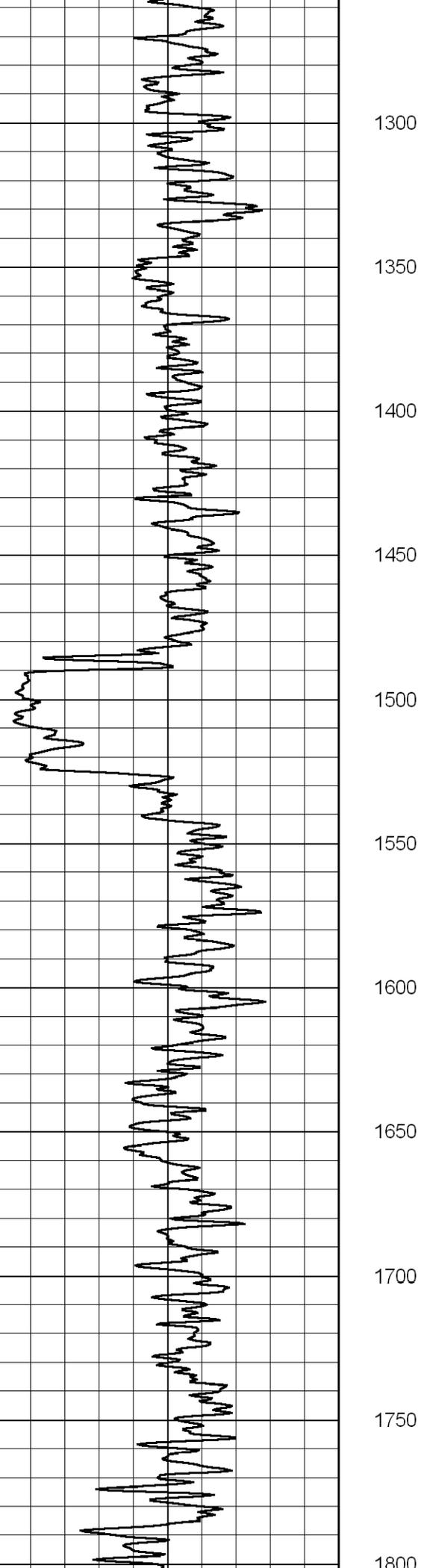
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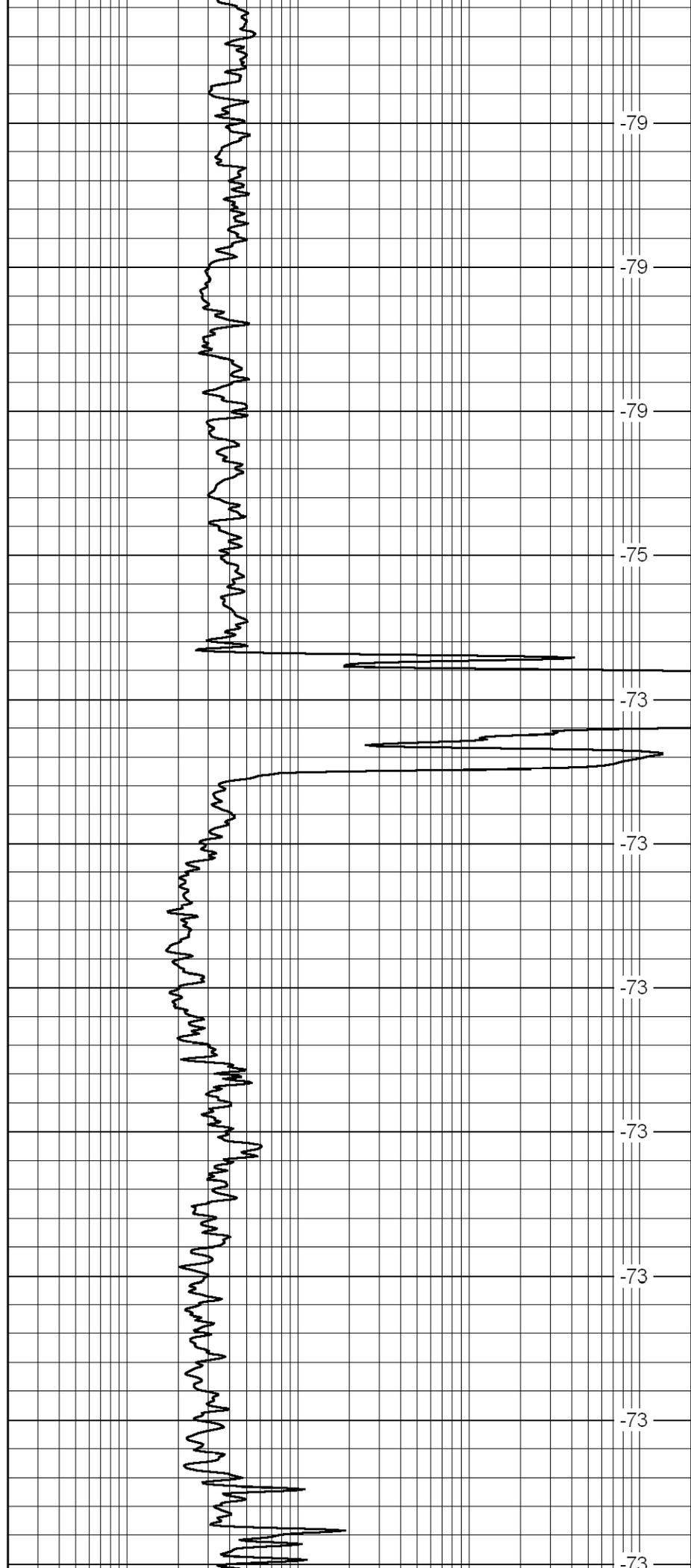
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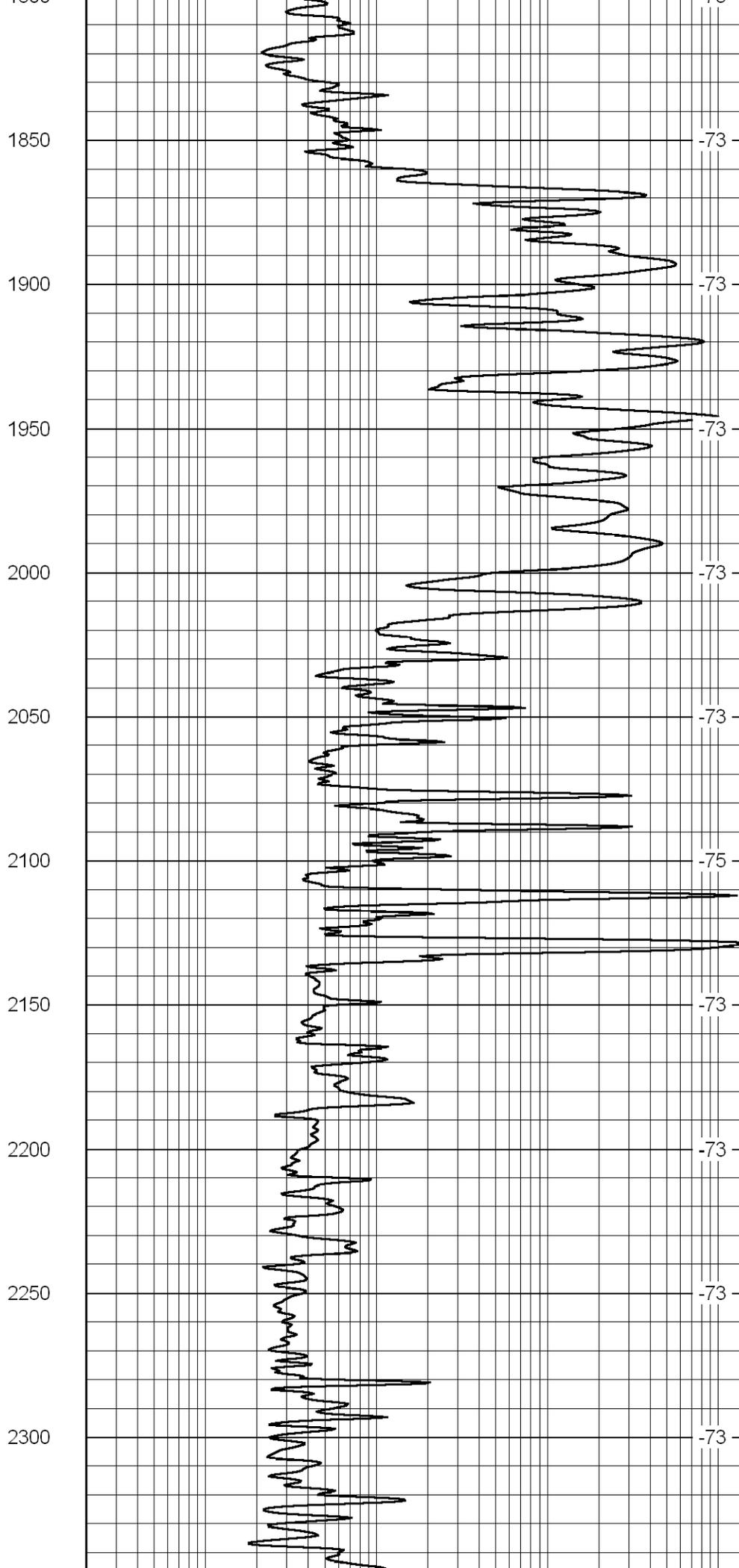
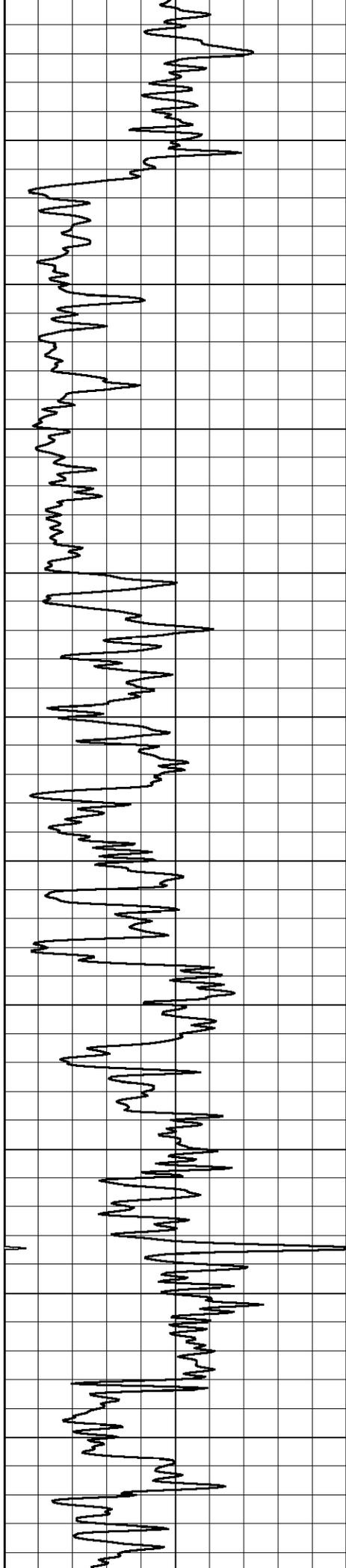
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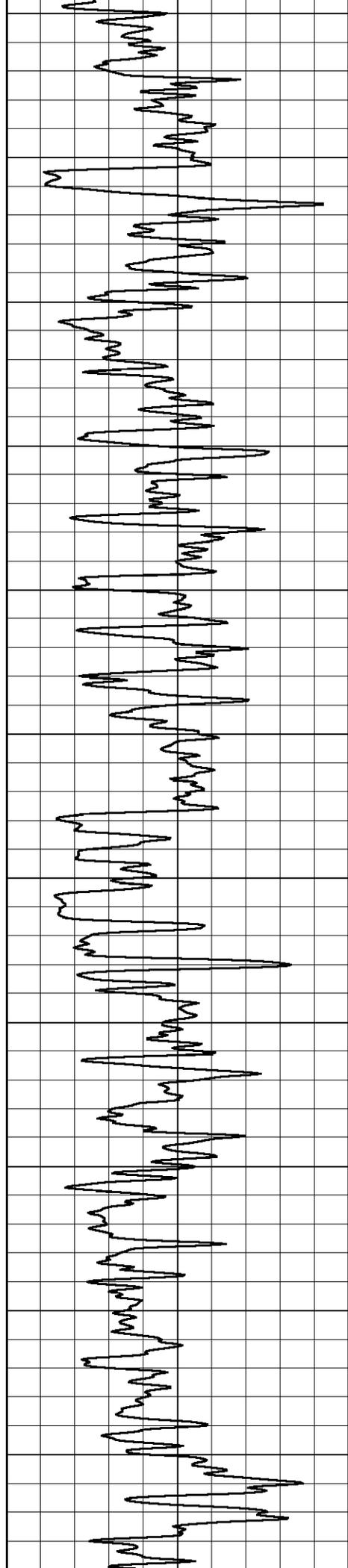


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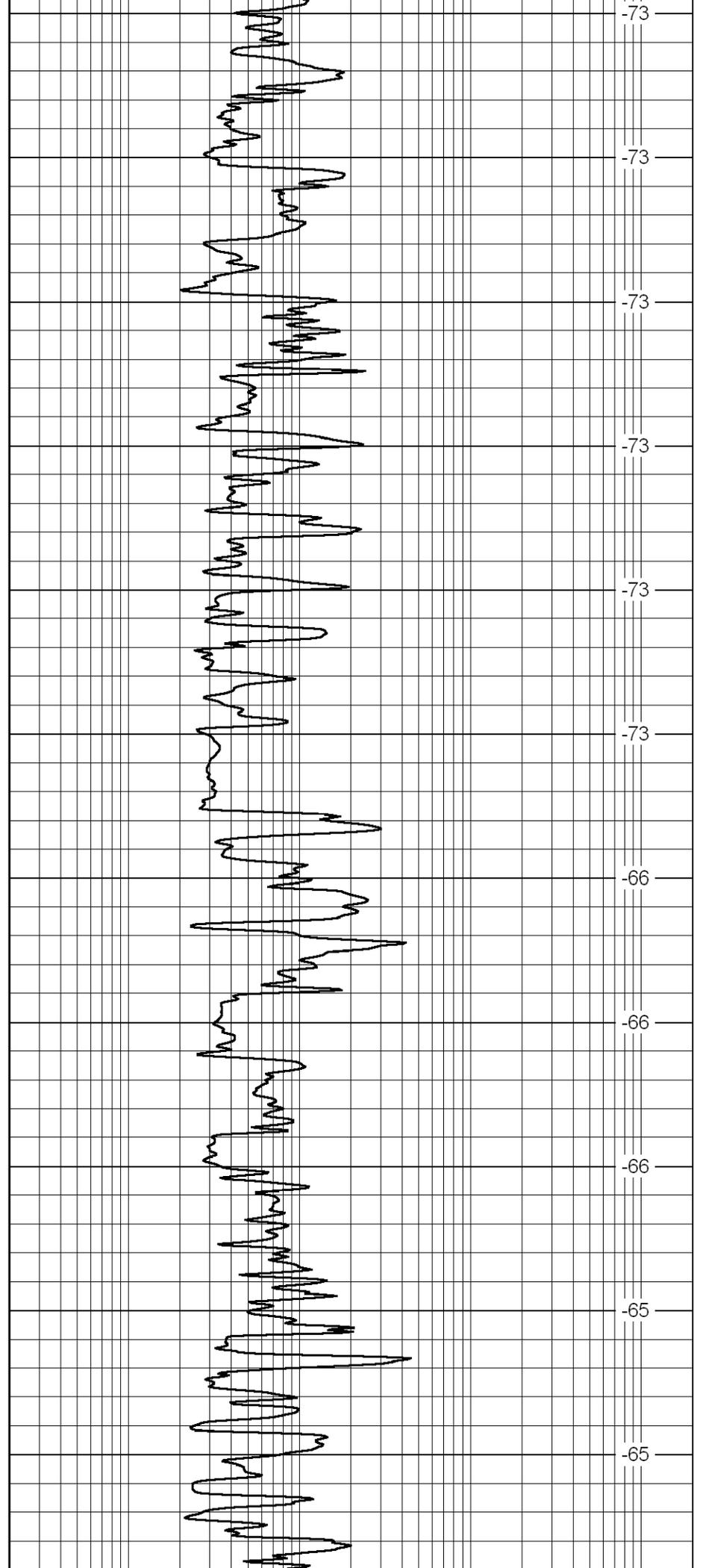


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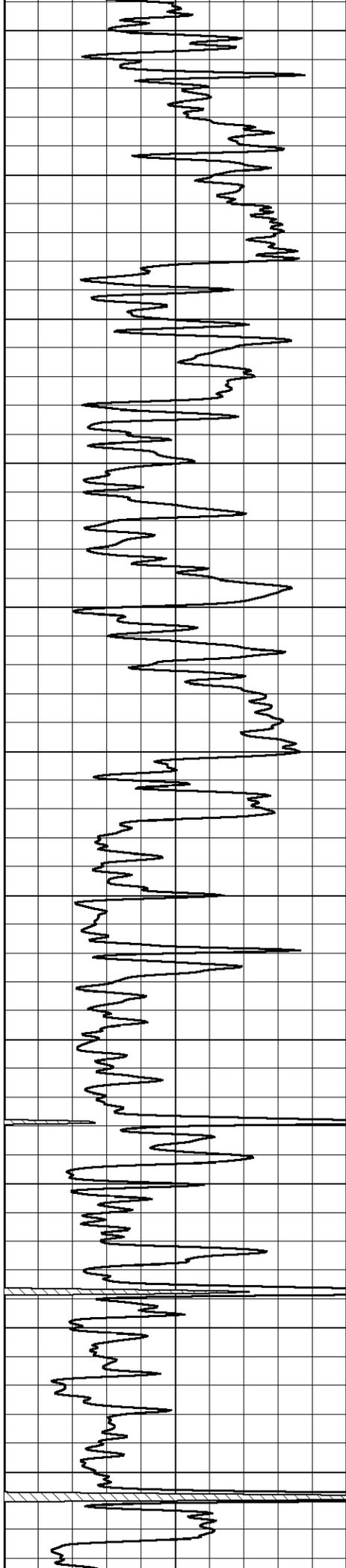




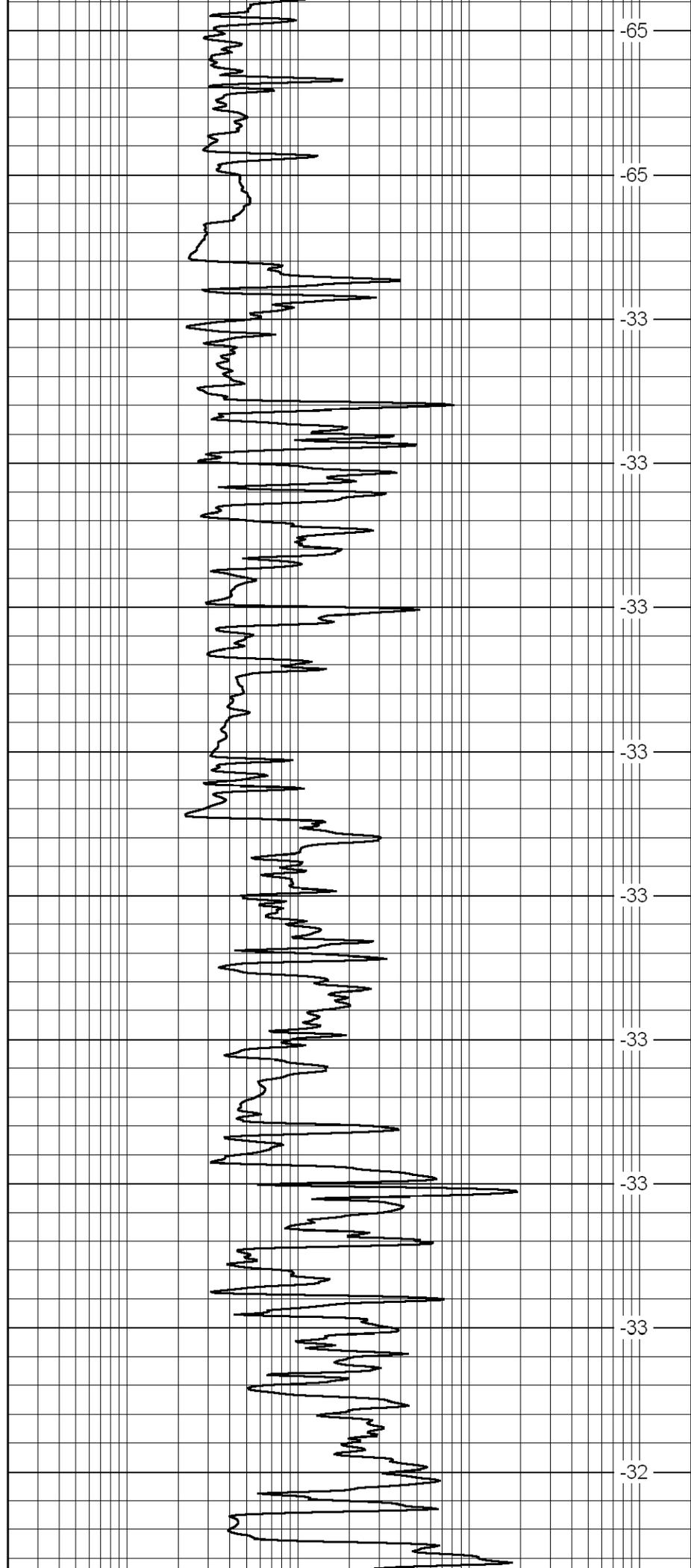
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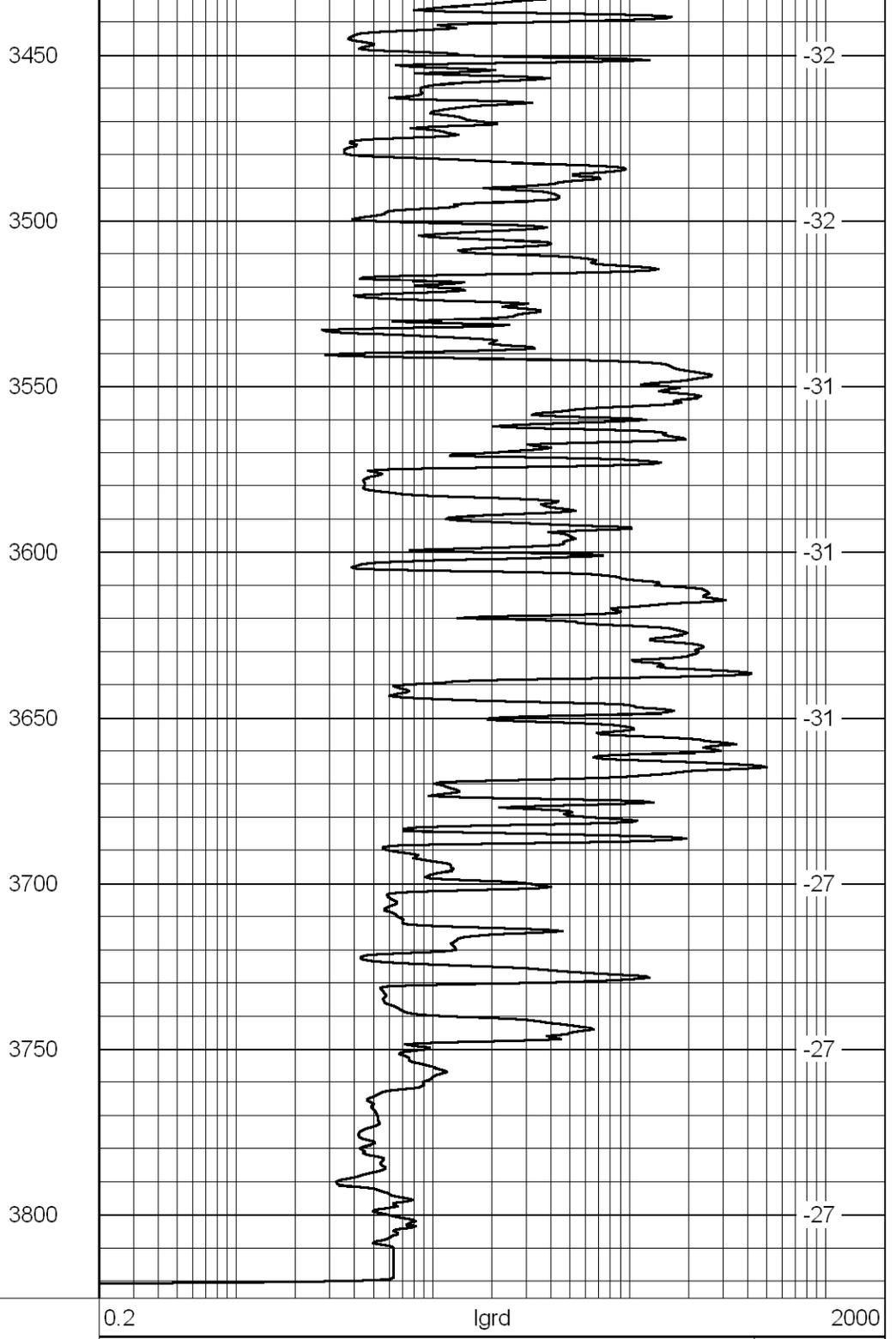
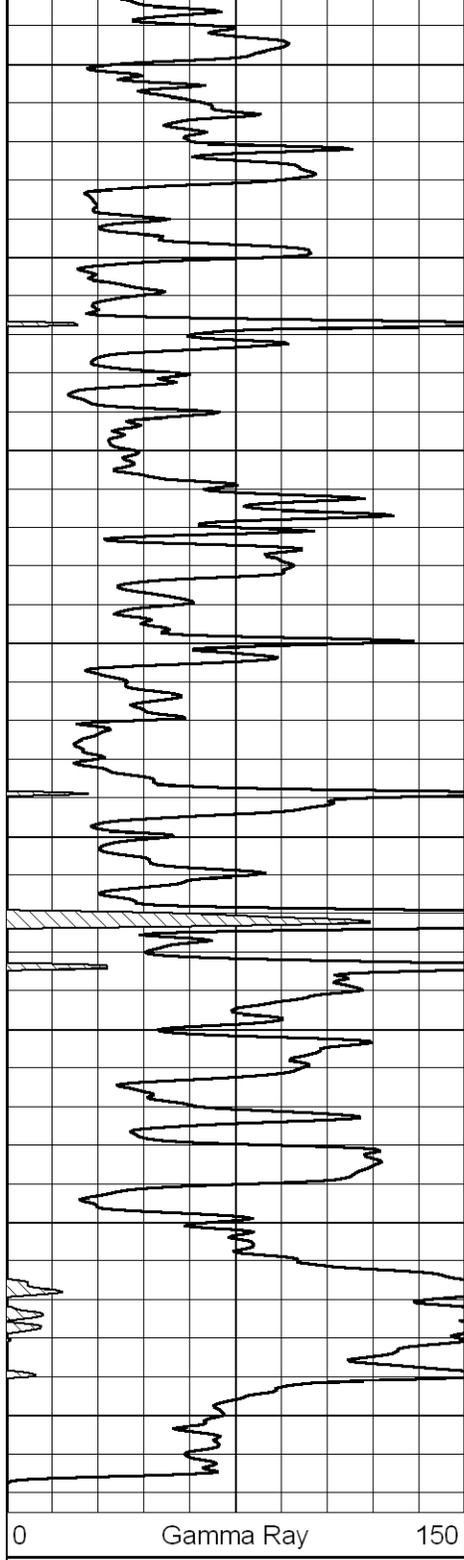
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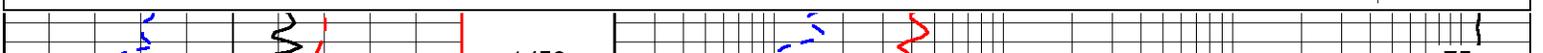
LSPD

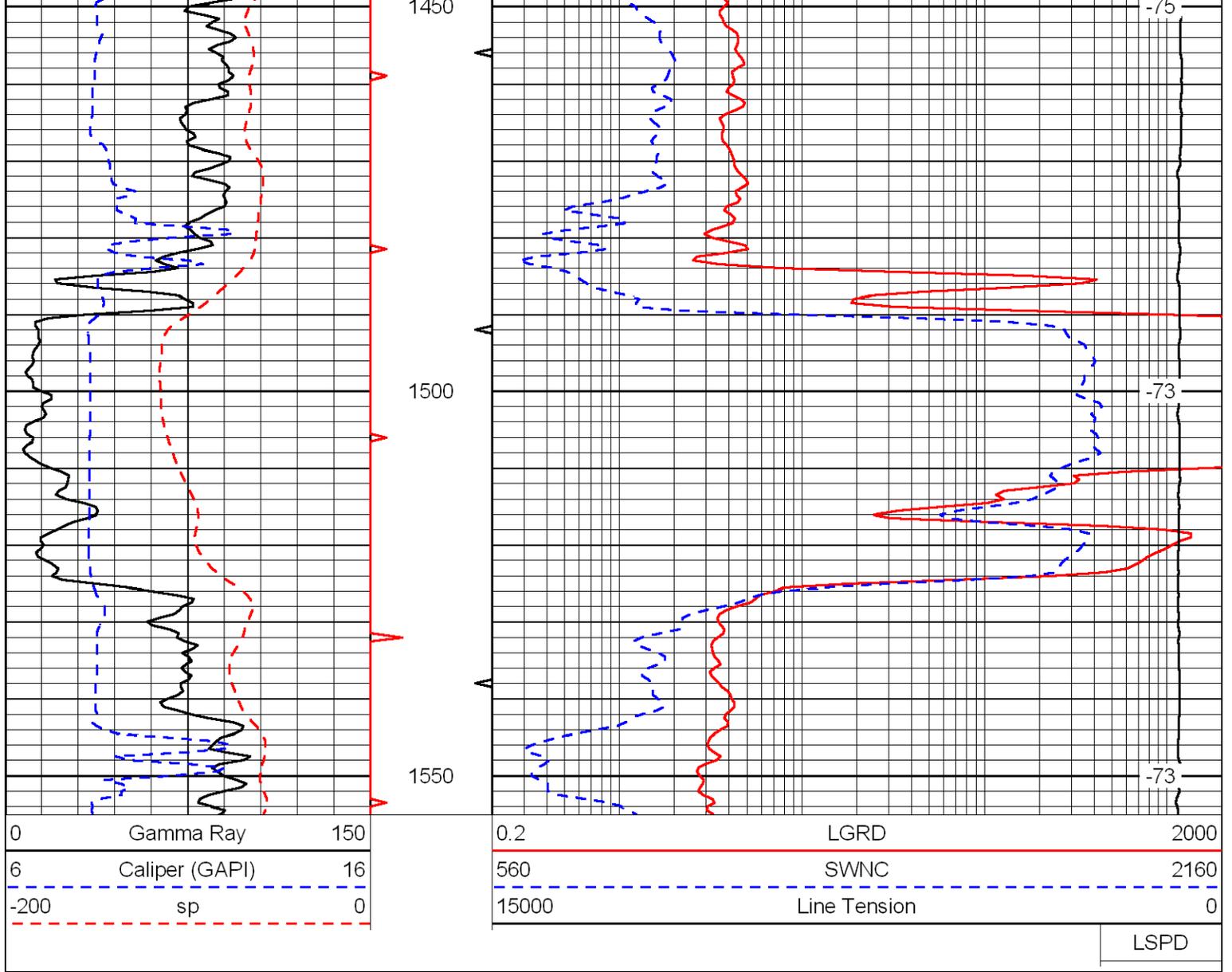
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 Dataset Creation: Sat Feb 04 23:00:43 2012
 Charted by: Depth in Feet scaled 1:240

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

0.2	LGRD	2000
560	SWNC	2160
15000	Line Tension	0

LSPD





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