



**COMPLETION  
& PRODUCTION  
SERVICES CO.**

**BOREHOLE PROFILE  
LOG**

Company	O'BRIEN RESOURCES, LLC.	Company	O'BRIEN RESOURCES, LLC.
Well	STEFFENS 19 #1	Well	STEFFENS 19 #1
Field	JENNISON	Field	JENNISON
County	LANE	County	LANE
State	KANSAS	State	KANSAS
Location:	API # : 15-101-22376-0000	Other Services	CDL/CNL/PE DIL/MEL
Permanent Datum	GROUND LEVEL	Elevation	2779
Log Measured From	KELLY BUSHING 9' A.G.L.	K.B.	2788
Drilling Measured From	KELLY BUSHING	D.F.	2786
	SEC 19 TWP 16S RGE 29W	G.L.	2779

Date	12/3/12
Run Number	ONE
Depth Driller	4514
Depth Logger	4516
Bottom Logged Interval	4514
Top Log Interval	3700
Casing Driller	8 5/8" @ 263'
Casing Logger	263
Bit Size	7 7/8"
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.5/50
pH / Fluid Loss	10.5/7.2
Source of Sample	FLOWLINE
Rim @ Meas. Temp	1.50 @ 80F
Rmf @ Meas. Temp	1.13 @ 80F
Rmc @ Meas. Temp	1.80 @ 80F
Source of Rmf / Rmc	MEASUREMENT
Rim @ BHT	.992 @ 121F
Time Circulation Stopped	2.5 HOURS
Time Logger on Bottom	8:15 P.M.
Maximum Recorded Temperature	121F
Equipment Number	4854
Location	HAYS, KANSAS
Recorded By	JEFF LUEBBERS
Witnessed By	KURT TALBOTT

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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**

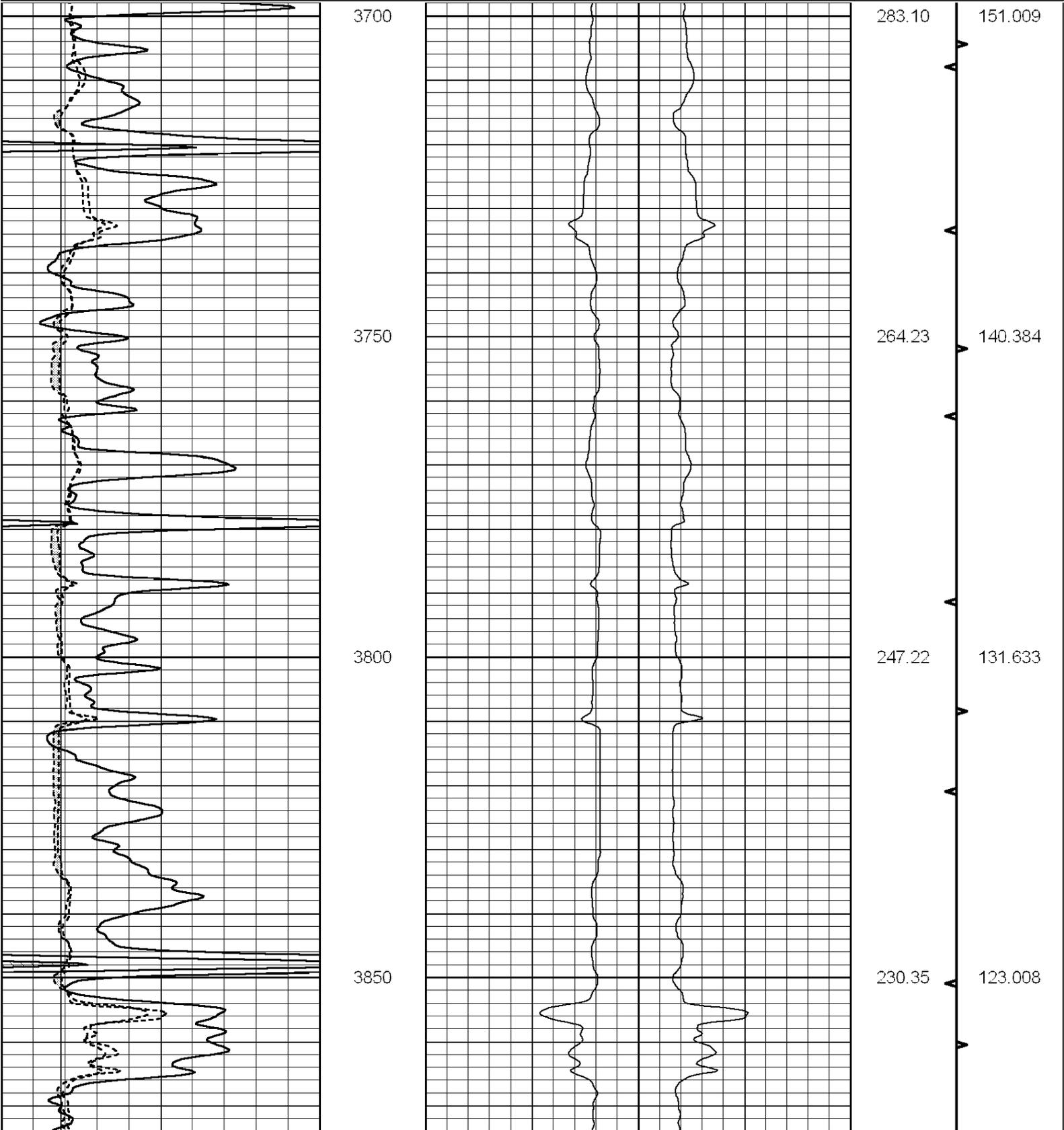
THANK YOU FOR USING "NABORS" HAYS, KANSAS (785) 628-6395  
DIRECTIONS  
HEALY, KS. 1E. ON HWY 4 TO "EAGLE RD.", 3N. TO "RD. 260", 2 1/2E., N. INTO

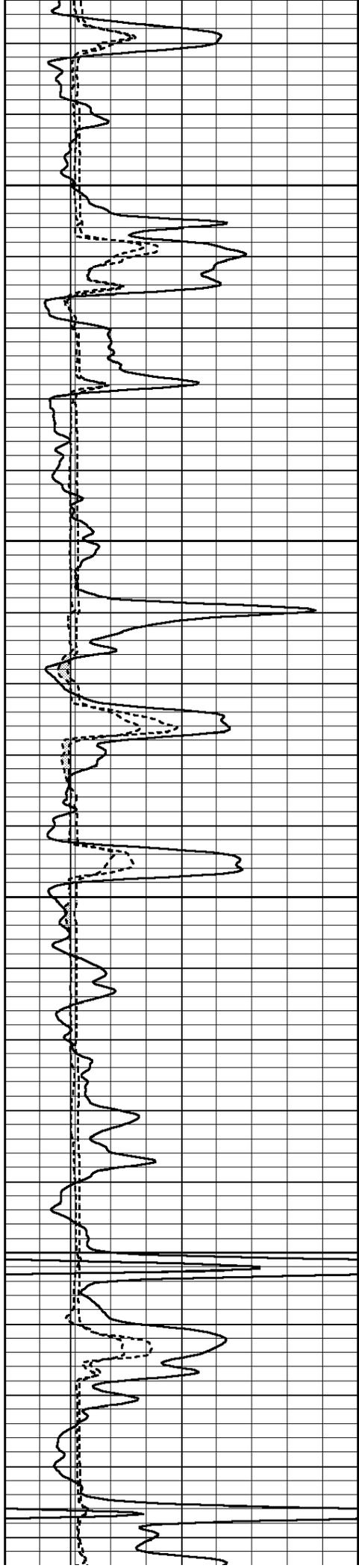


**MAIN SECTION**

Database File: 010026pe.db  
 Dataset Pathname: pass3.3L  
 Presentation Format: obrbore  
 Dataset Creation: Mon Dec 03 23:40:50 2012  
 Charted by: Depth in Feet scaled 1:240

0	GR (GAPI)	150	16 LEFT CALIPER (in)	6	RIGHT CALIPER	BVTX (ft3)	AVTX (ft3)
6	DCAL (in)	16		6	(in)	TBHV (ft3)	ABHV (ft3)
6	MELCAL (in)	16					



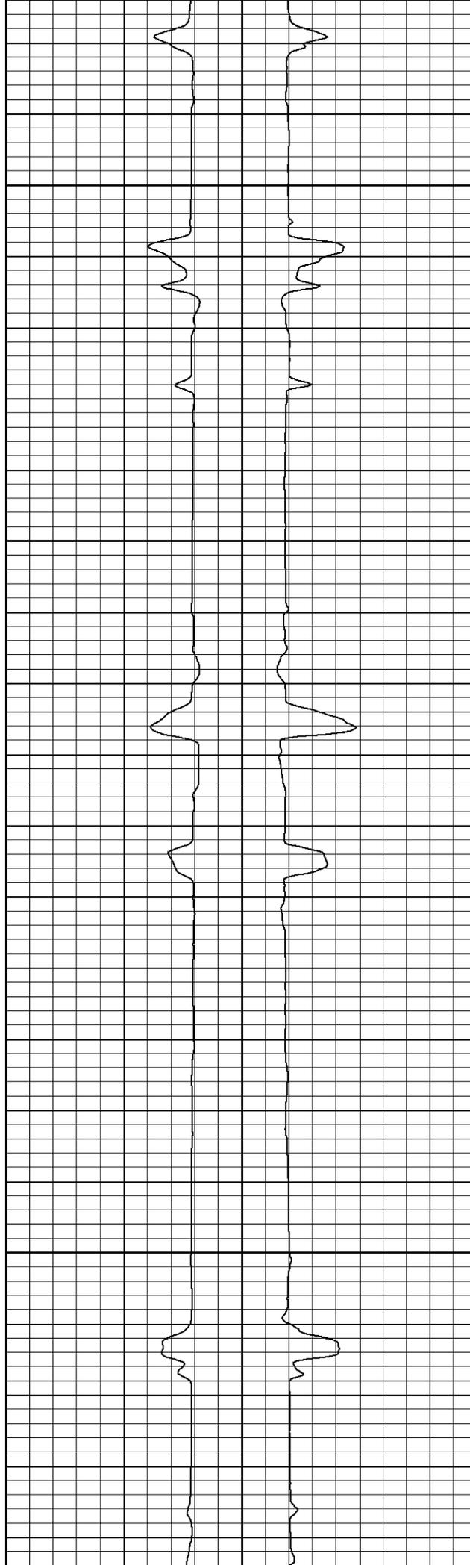


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3950

4000

4050



211.11

193.00

174.88

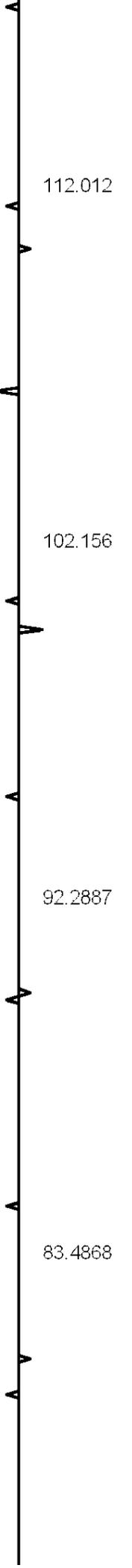
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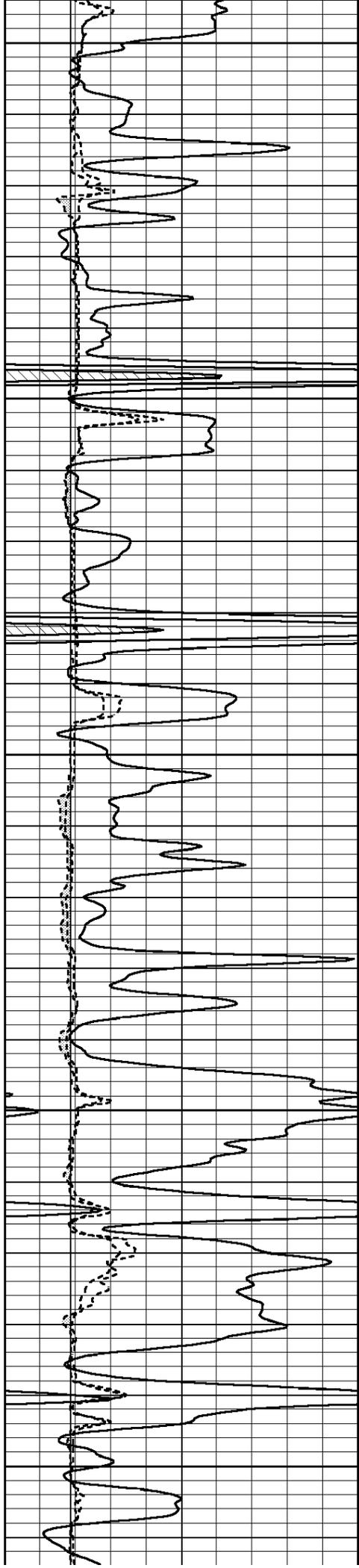
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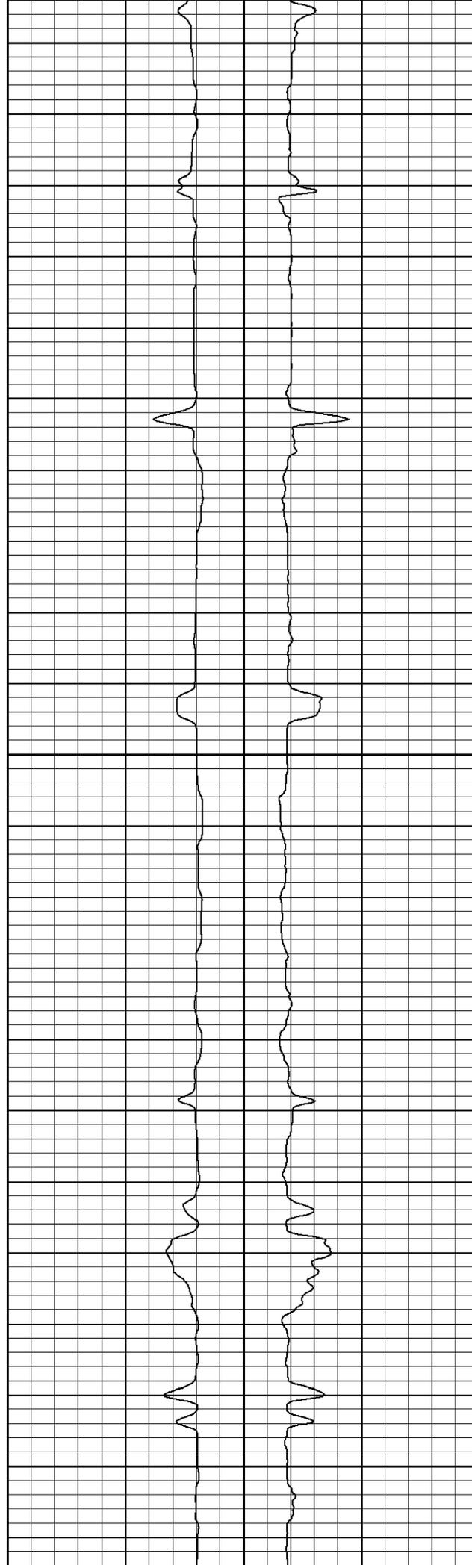
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4150

4200

4250

4300



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103.83

87.26

68.71

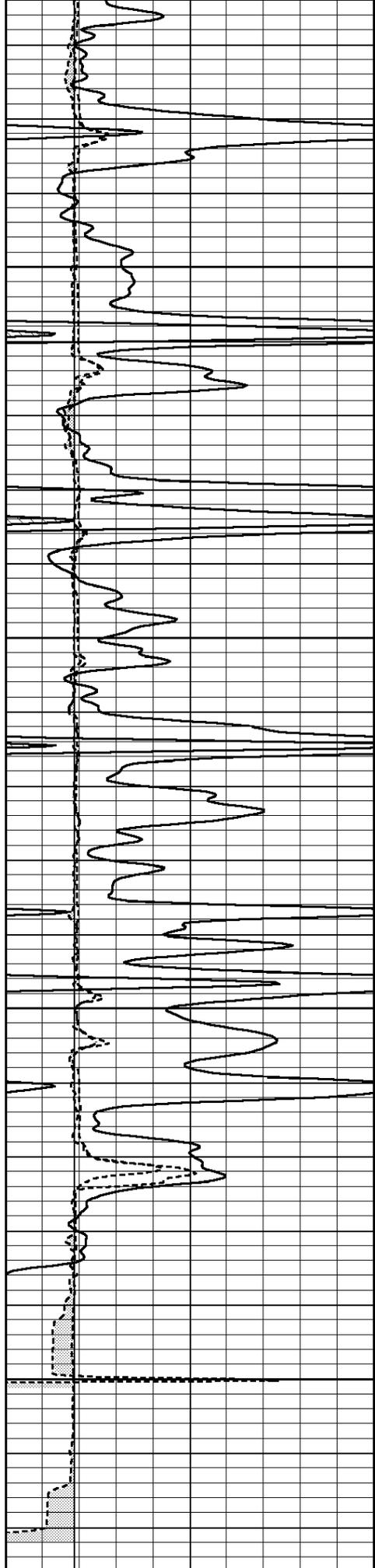
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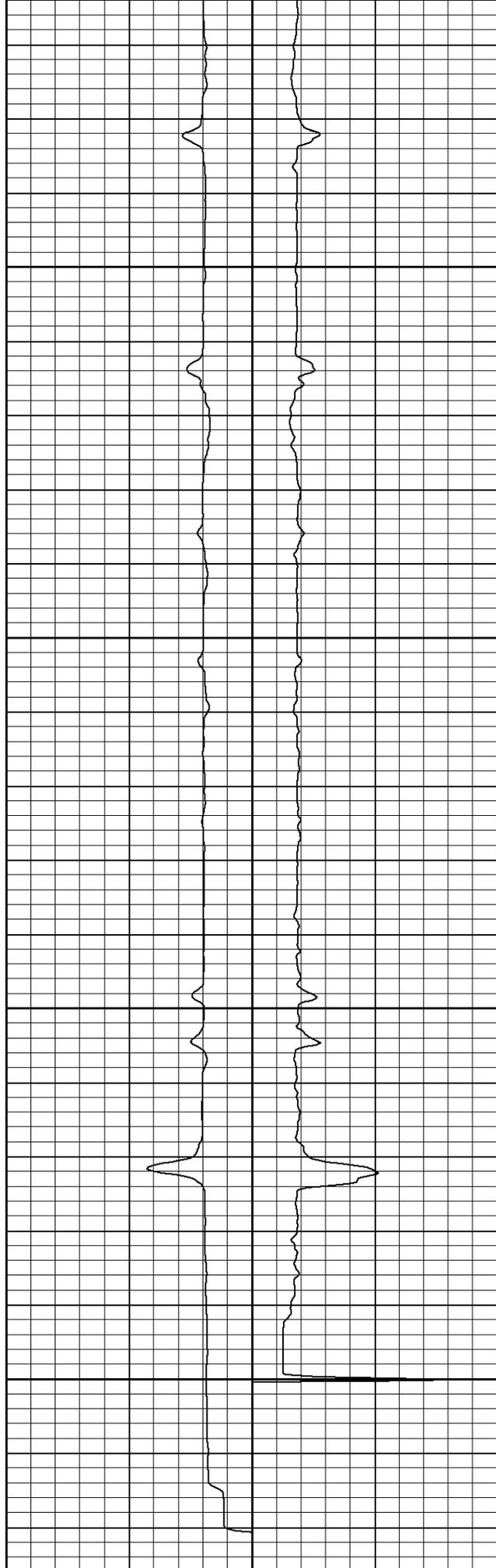
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35.6114



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4400  
4450  
4500



51.74  
34.89  
17.89  
0.48

26.8945  
18.2904  
9.54508  
0.378575

0 GR (GAPI) 150  
6 DCAI (in) 16

16 LEFT CALIPER (in) 6  
RIGHT CALIPER (in) 16

BVTX (ft3) AVTX (ft3)  
TRHV (ft3) ARHV (ft3)

6

MELCAL (in)

16

(in) (in) (in)