

CALIPER BOREHOLE VOLUME GAMMA RAY

Job No. 13681	Company U.S.G.S.
Well SDBP	
Field SAN DIEGO	
County SAN DIEGO	State CA
File No.	

Location:
CITY YARD (26th ST)

Sec. _____ Twp. _____ Rge. _____

Other Services:
E-LOG
SONIC/CMDL
GRILL3

Permanent Datum	G.L.	Elevation above perm. datum	Elevation
Log Measured From	G.L.		K.B. D.F. G.L.
Drilling Measured From	G.L.		
Date	1-30-08		
Run Number	ONE		
Depth Driller	1498'		
Depth Logger	1244'		
Bottom Logged Interval	1243'		
Top Log Interval	0'		
Casing Driller	N/A		
Casing Logger	N/A		
Bit Size	SEE COMMENTS		
Type Fluid in Hole	BENTONITE		
Density / Viscosity	N/A		
pH / Fluid Loss	N/A		
Source of Sample	PIT		
Rm @ Meas. Temp	5.1 @ 77F		
Rmf @ Meas. Temp	5.4 @ 77F		
Rmc @ Meas. Temp	N/A		
Source of Rmf / Rmc	MEAS		
Rm @ BHT	N/A		
Time Circulation Stopped	3:00 PM		
Time Logger on Bottom	6:20 PM		
Max. Recorded Temperature	N/A		
Equipment Number	PS-2		
Location	L.A.		
Recorded By	LAPORTE		
Witnessed By	TONY		

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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

BIT SIZES:
 0-60' = 14.75"
 60-400' = 12.25"
 400-960' = 9.875"
 960-1052' = 8.5"
 1052-1498' = 7.875"

XY Caliper Calibration Report

Serial Number: MEDIUM
 Tool Model: Comprobe
 Performed: Wed Jan 30 19:58:34 2008

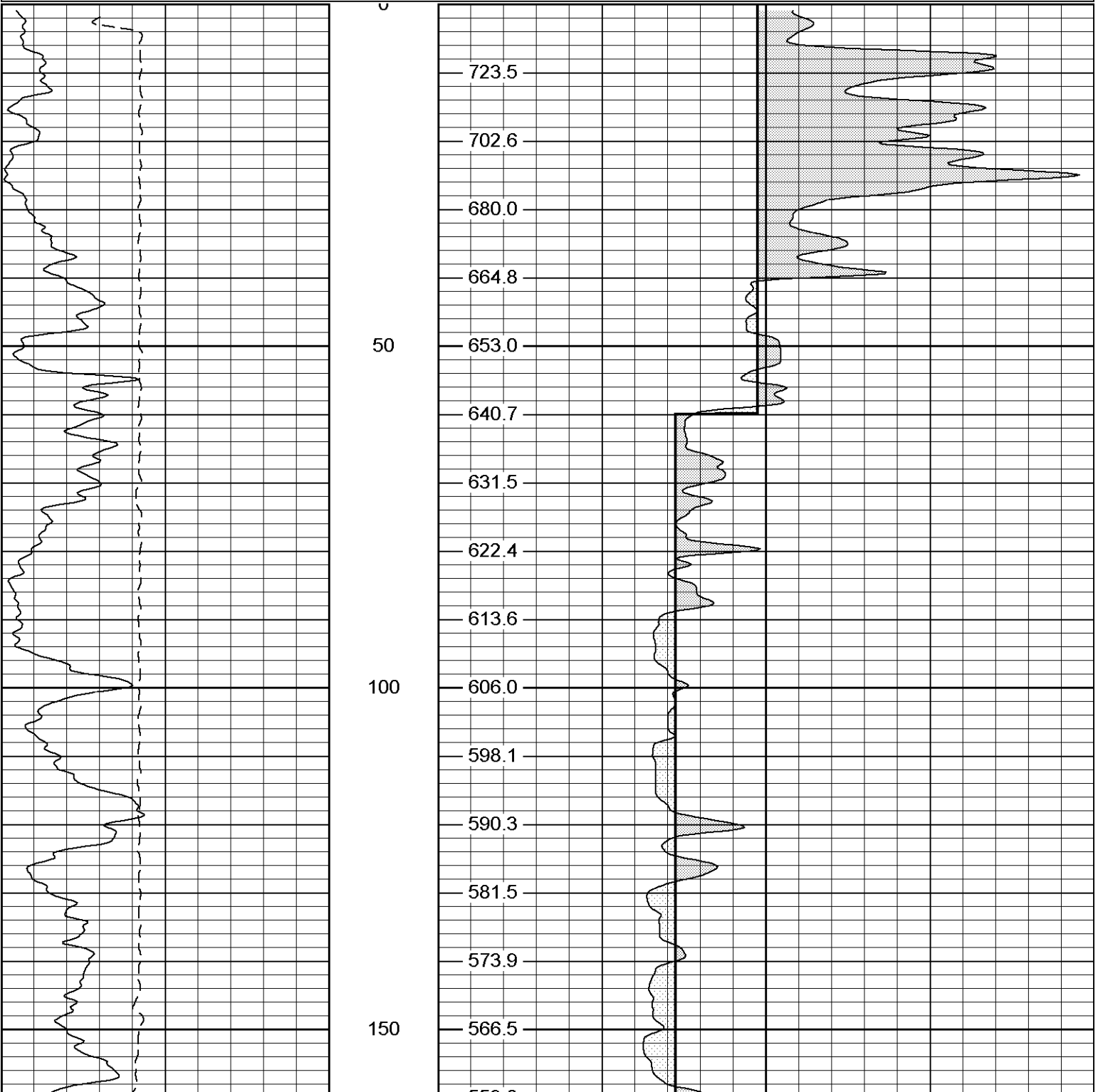
Small Ring: 10 in
 Large Ring: 22 in

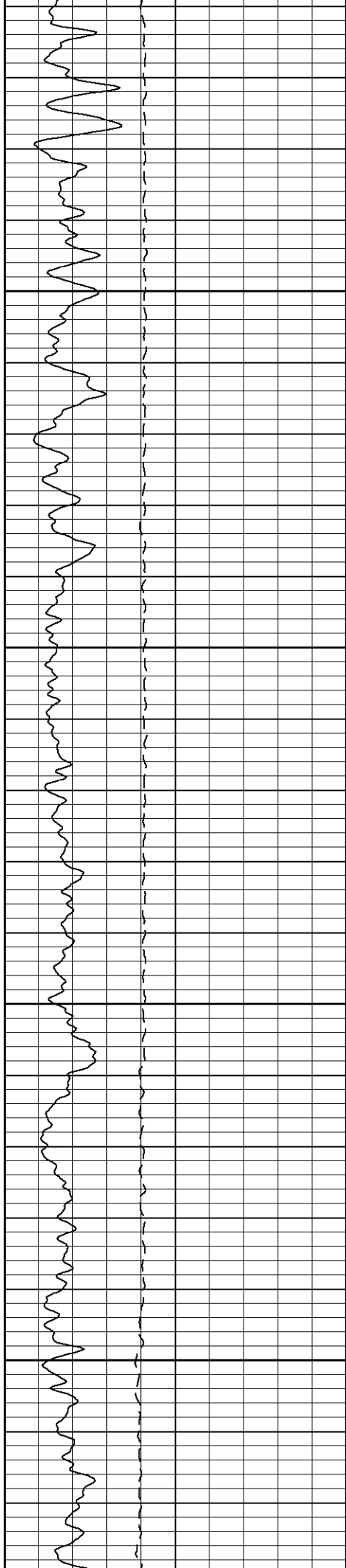
	X Caliper	Y Caliper	
Reading with Small Ring:	291.5	291.5	cps
Reading with Large Ring:	928.5	928.5	cps
Gain:	0.0188383	0.0188383	
Offset:	-3.95633	-3.95633	

Database File: 13681.db
 Dataset Pathname: USGS/SanDiego/run1/CAL
 Presentation Format: XYC2
 Dataset Creation: Wed Jan 30 20:02:09 2008 by Log 6.0
 Charted by: Depth in Feet scaled 1:240

0	Line Speed (ft/min)	100
40	Gamma Ray (GAPI)	240

5	CALIPER (in)	25
5	BIT SIZE (in)	25



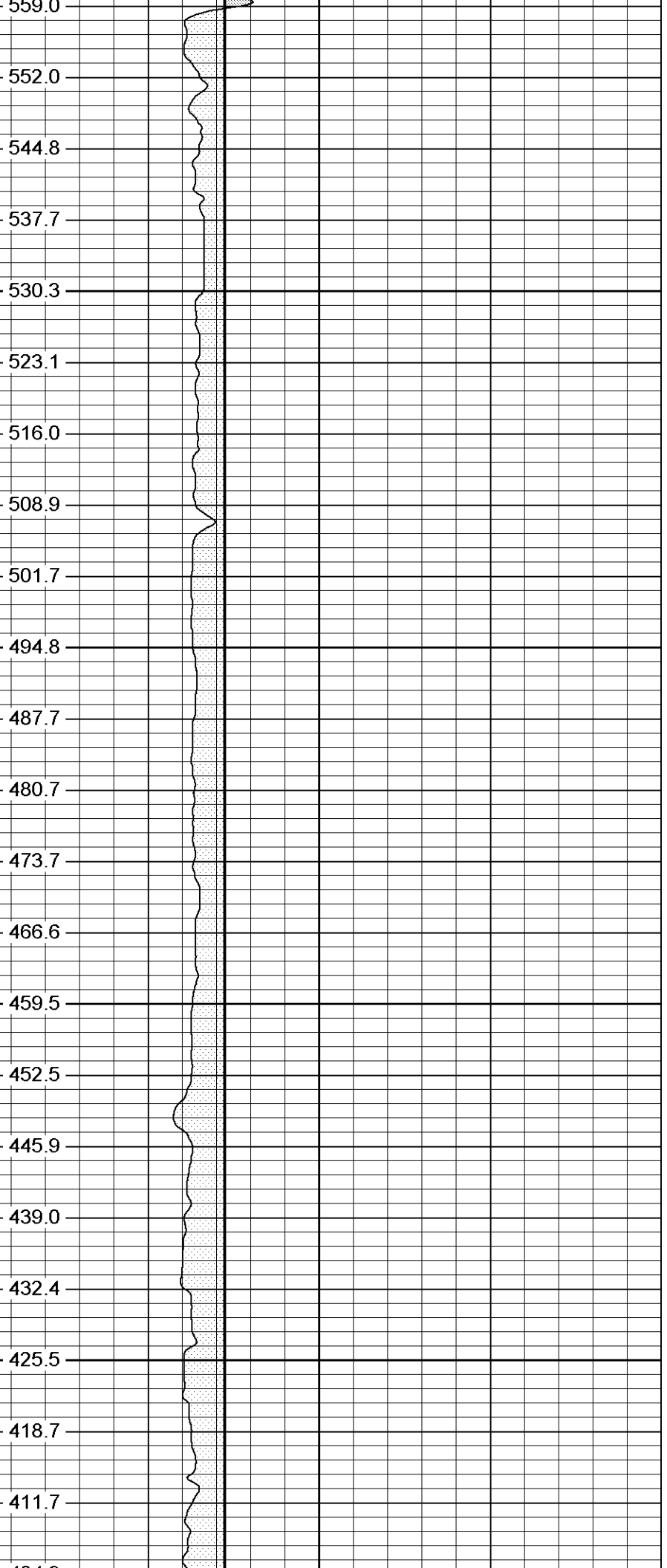


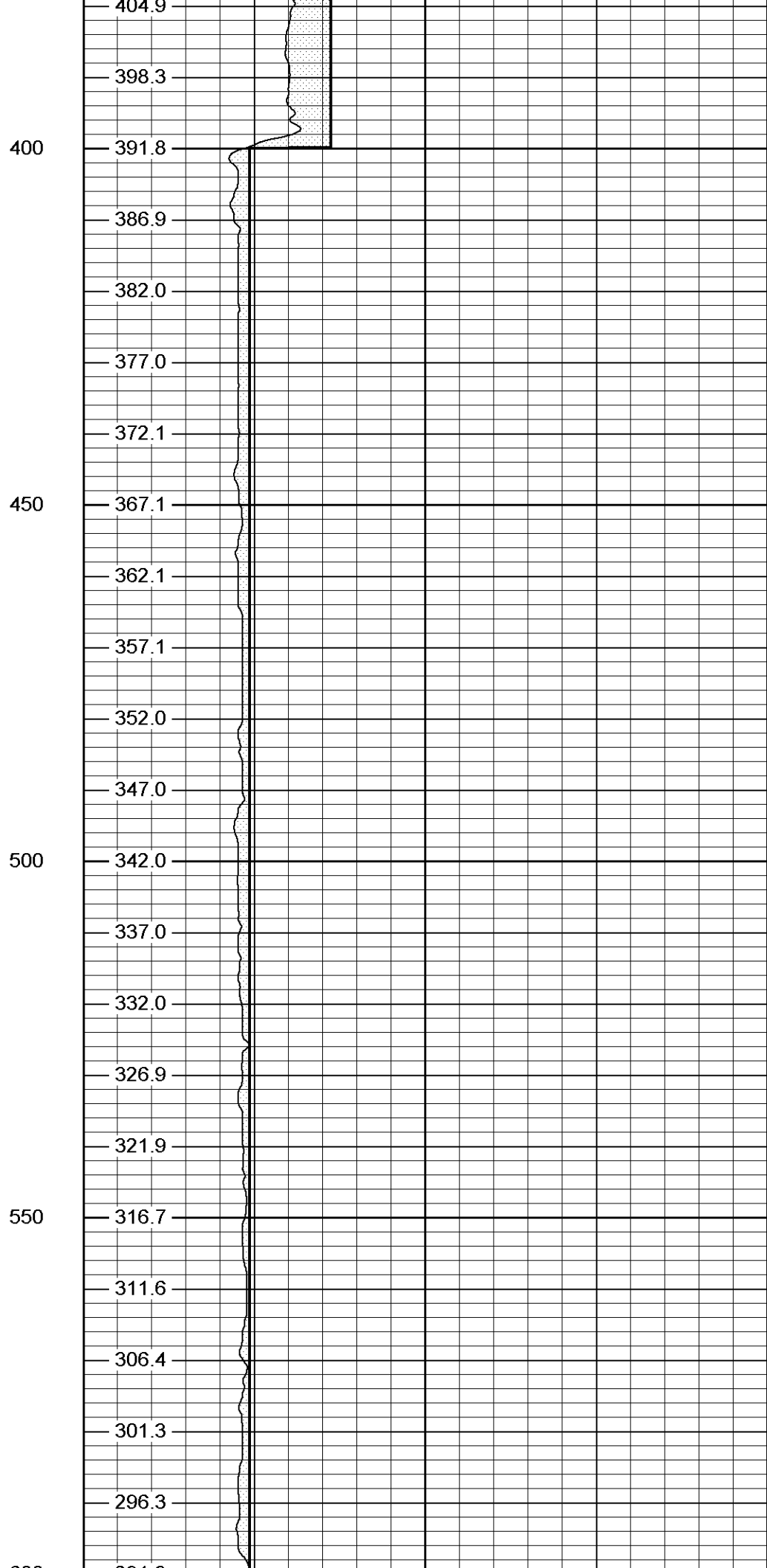
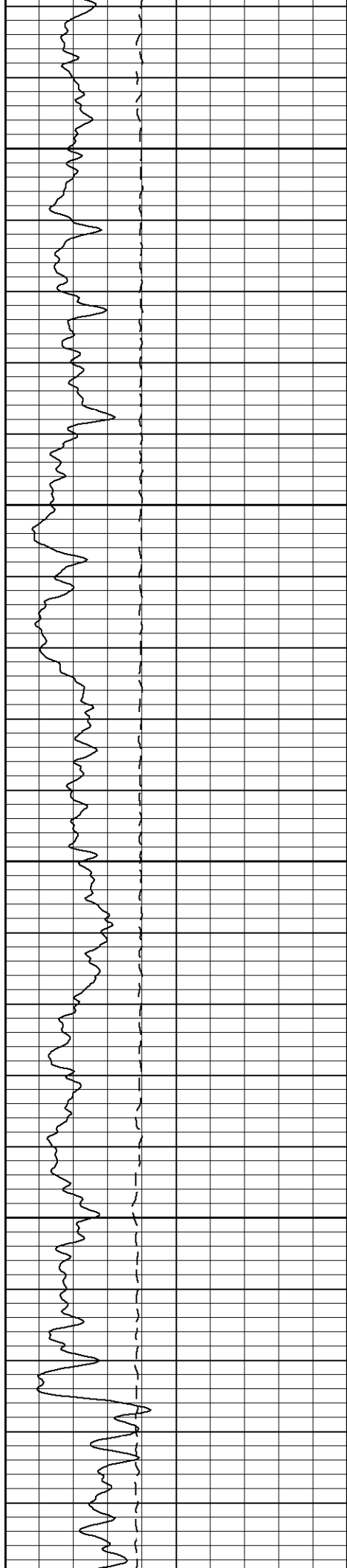
200

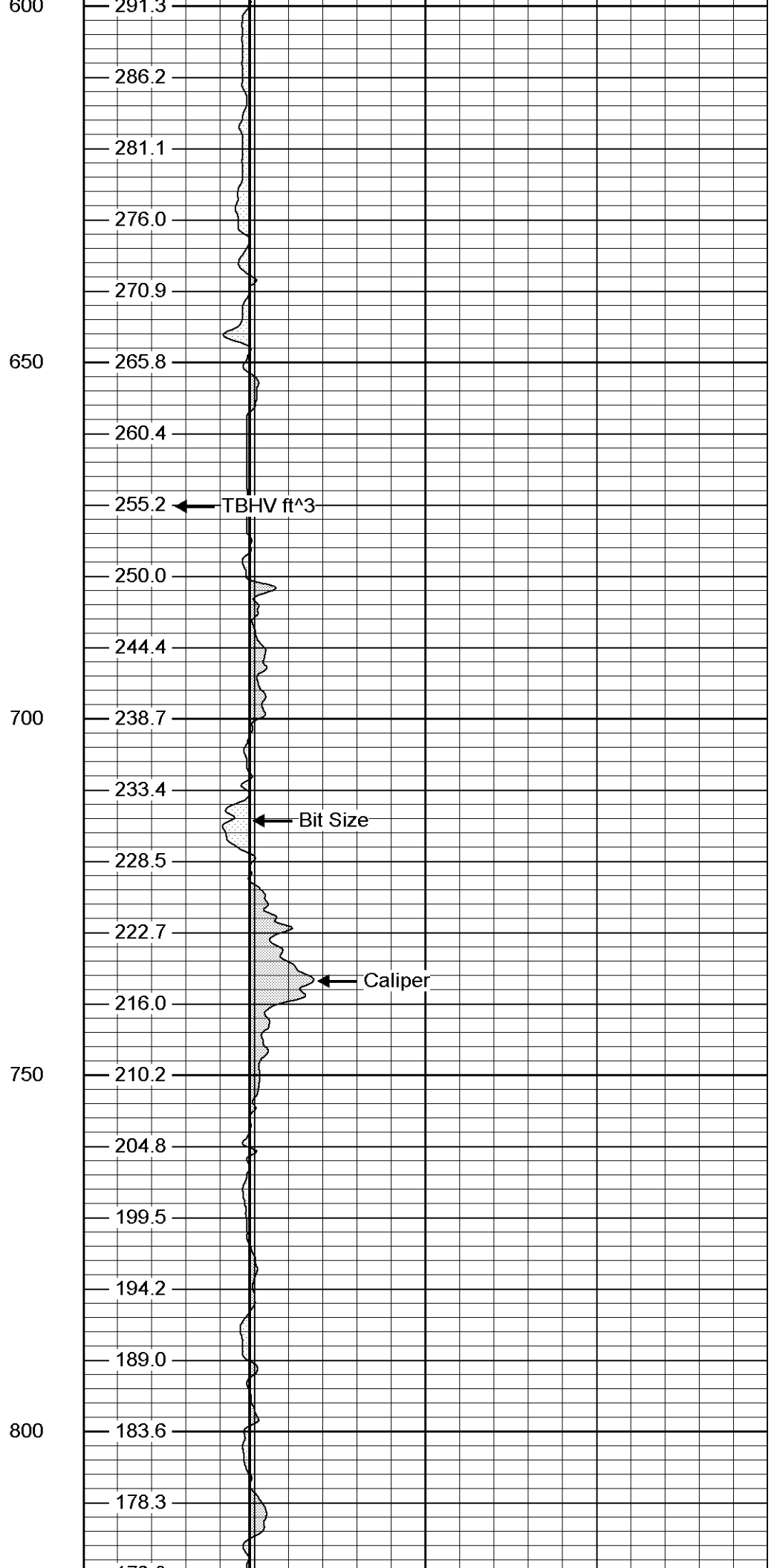
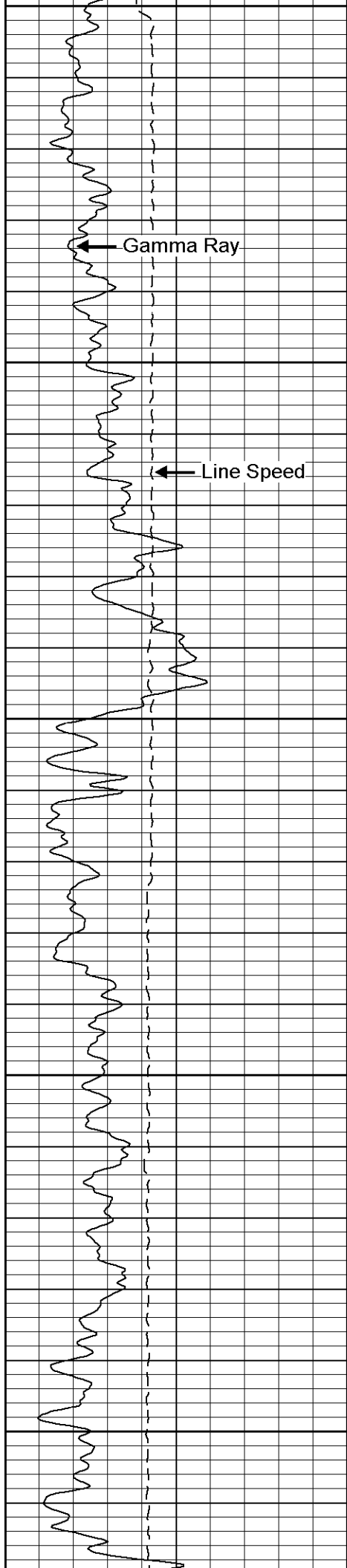
250

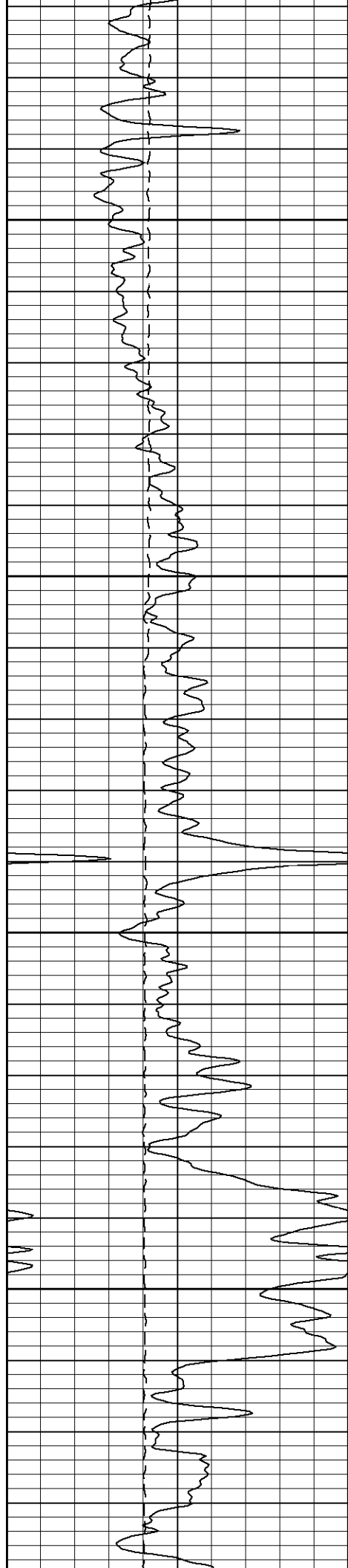
300

350







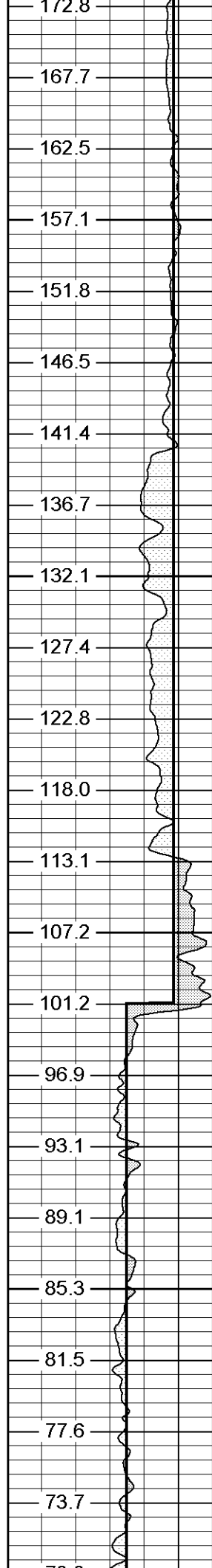


850

900

950

1000



172.8

167.7

162.5

157.1

151.8

146.5

141.4

136.7

132.1

127.4

122.8

118.0

113.1

107.2

101.2

96.9

93.1

89.1

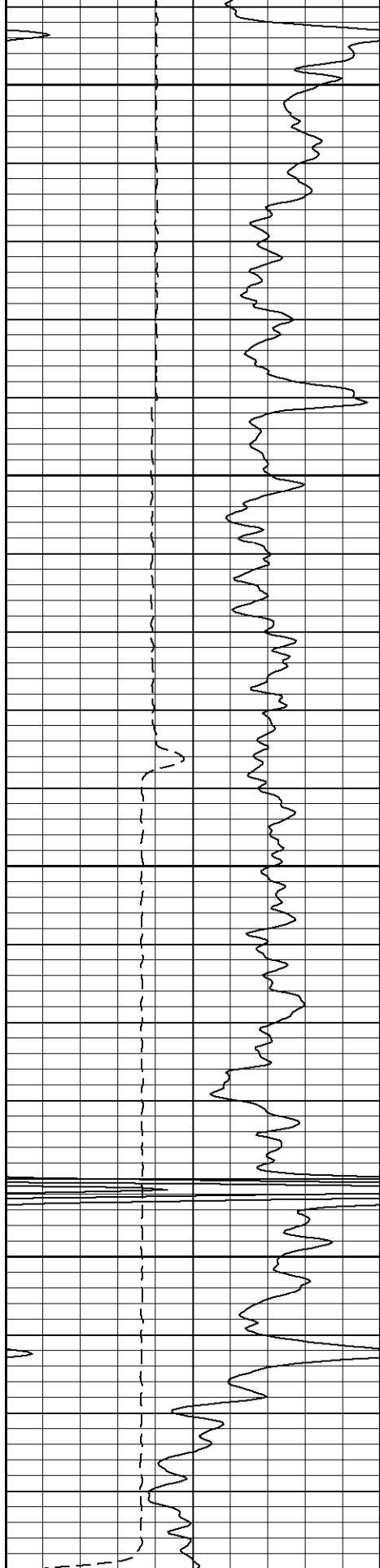
85.3

81.5

77.6

73.7

70.0

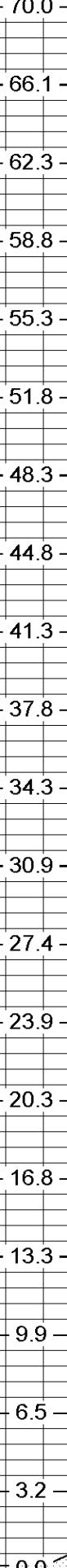


1050

1100

1150

1200



66.1

62.3

58.8

55.3

51.8

48.3

44.8

41.3

37.8

34.3

30.9

27.4

23.9

20.3

16.8

13.3

9.9

6.5

3.2

0.0

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