PACIFIC SURVEYS

CALIPER
BOREHOLE VOLUME
GAMMA RAY

Job No.
13747

File No.

Company	U.S.G.S.
Well	SDOT
Field	CHULA VISTA
County	SAN DIEGO
State	CA

Location:

2387 FAIVRE ST.

Sec. Twp. Rge.

Other Services:

GR/LL3
E-LOG
SONIC/VDL

Permanent Datum	G.L.	Elevation above perm. datum	Elevation
Log Measured From	ROTARY TABLE 4'		K.B.
Drilling Measured From	ROTARY TABLE		D.F.
			G.L.

Date	3-10-08
Run Number	ONE
Depth Driller	1610'
Depth Logger	1617'
Bottom Logged Interval	1613'
Top Log Interval	0'
Casing Driller	16" @ 100'
Casing Logger	100'
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	5.6 @ 77F
Rmc @ Meas. Temp	N/A
Source of Rmf / Rmc	MEAS
Rm @ BHT	N/A
Time Circulation Stopped	N/A
Time Logger on Bottom	12:30 PM
Max. Recorded Temperature	N/A
Equipment Number	PS-2
Location	L.A.
Recorded By	LAPORTE
Witnessed By	O'LEARY

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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:
100'-380'= 12.25"
380'-1000'= 9.875"
1000'-T.D.= 7.875"

XY Caliper Calibration Report

Serial Number: MEDIUM
Tool Model: Comprobe
Performed: Mon Mar 10 13:26:44 2008

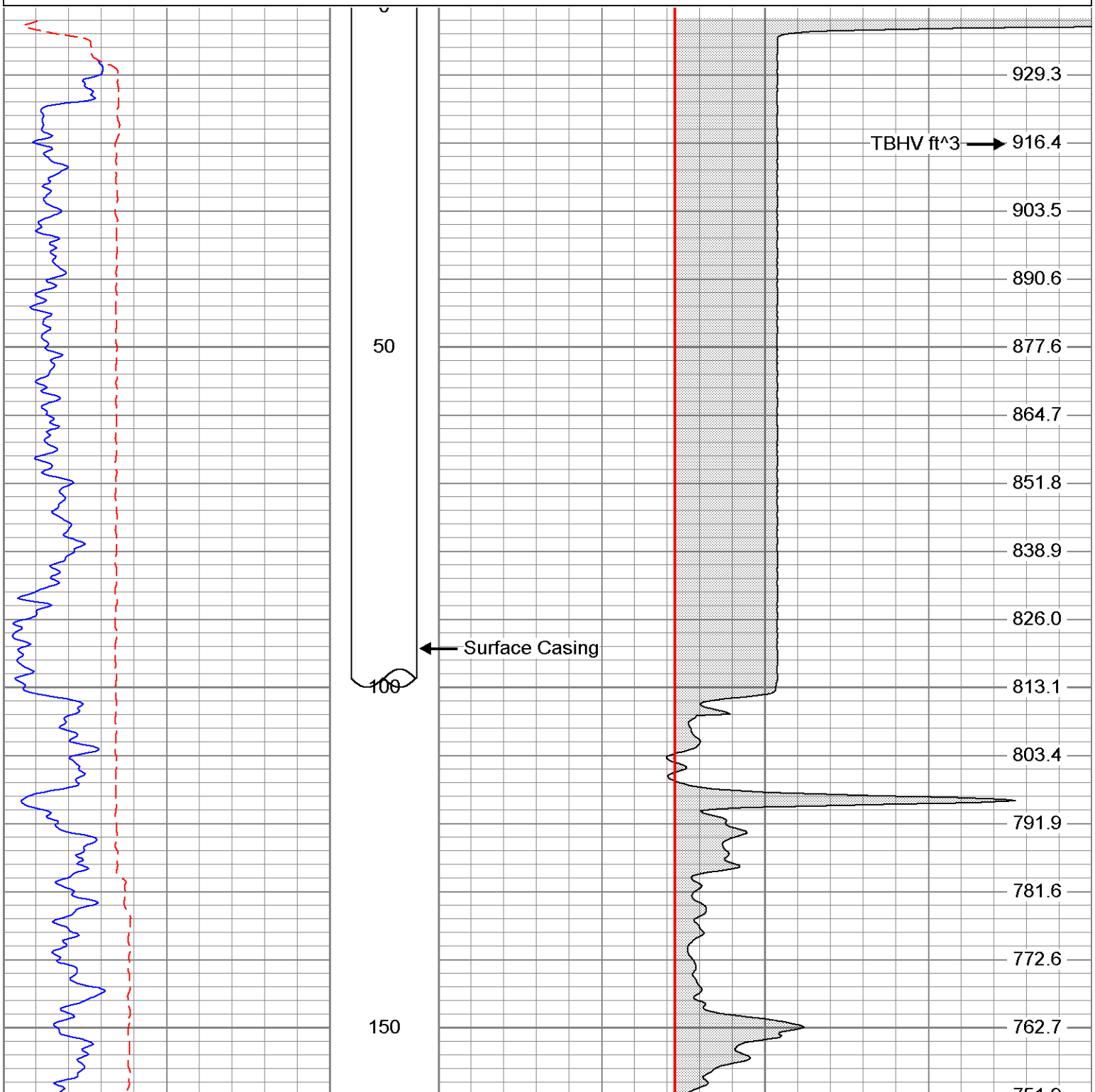
Small Ring: 10 in
Large Ring: 22 in

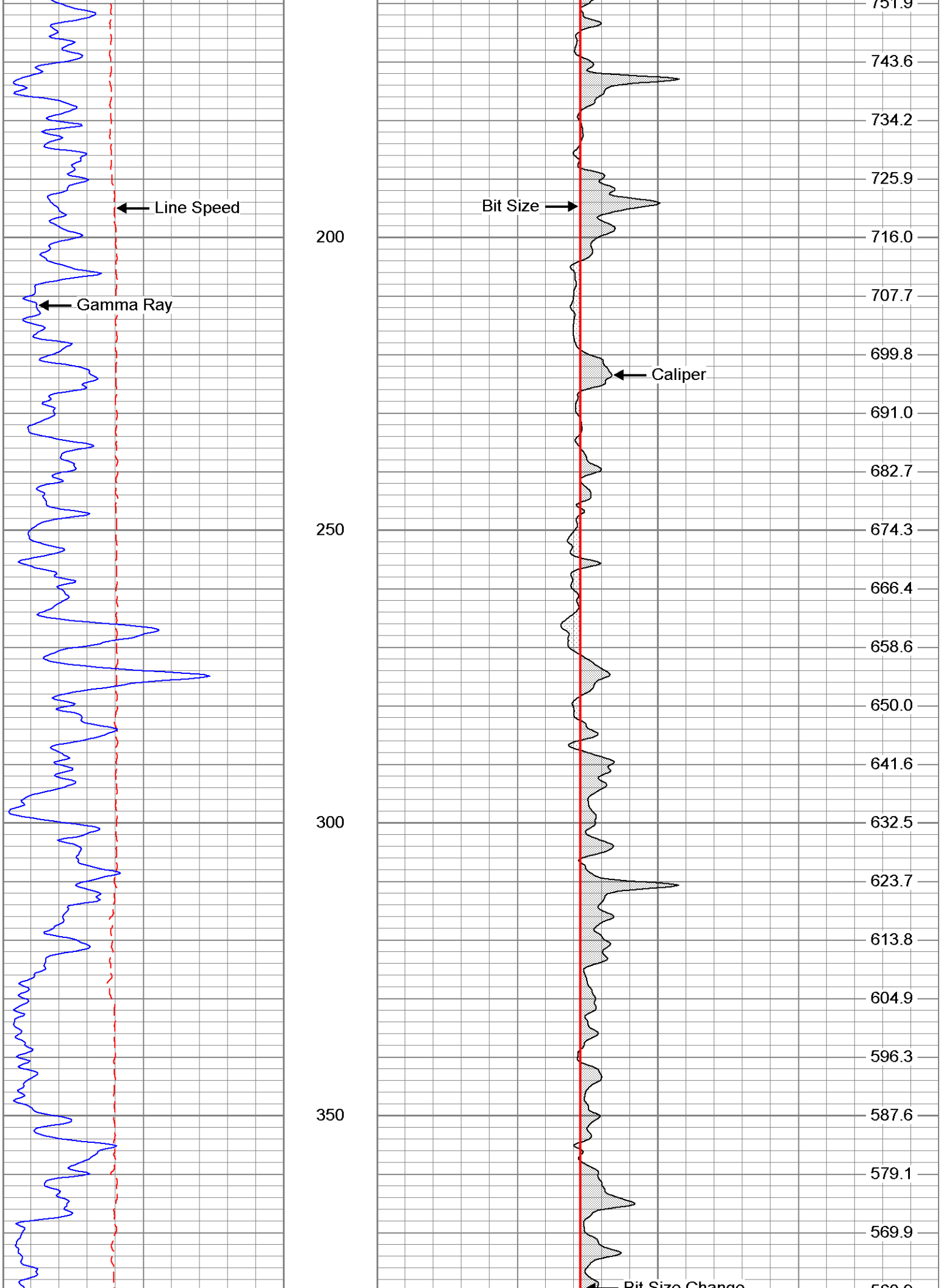
	X Caliper	Y Caliper	
Reading with Small Ring:	291.5	291.5	cps
Reading with Large Ring:	928.5	928.5	cps
Gain:	0.0188383	0.0188383	
Offset:	-3.95633	-3.95633	

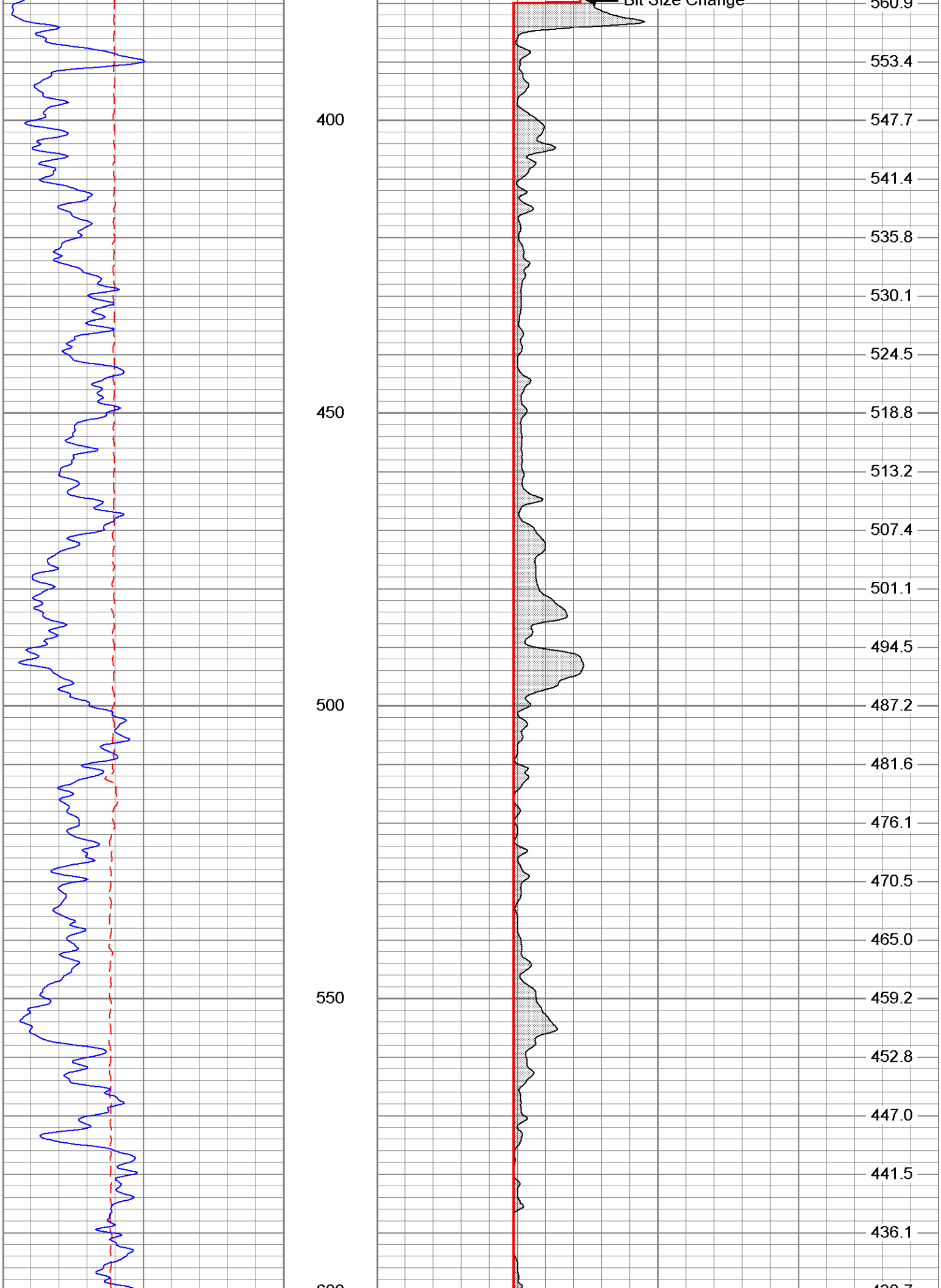
Database File:	13747.db
Dataset Pathname:	USGS/SDOT/run1/CAL.2
Presentation Format:	XYC2
Dataset Creation:	Mon Mar 10 15:32:38 2008 by Calc 6.0
Charted by:	Depth in Feet scaled 1:240

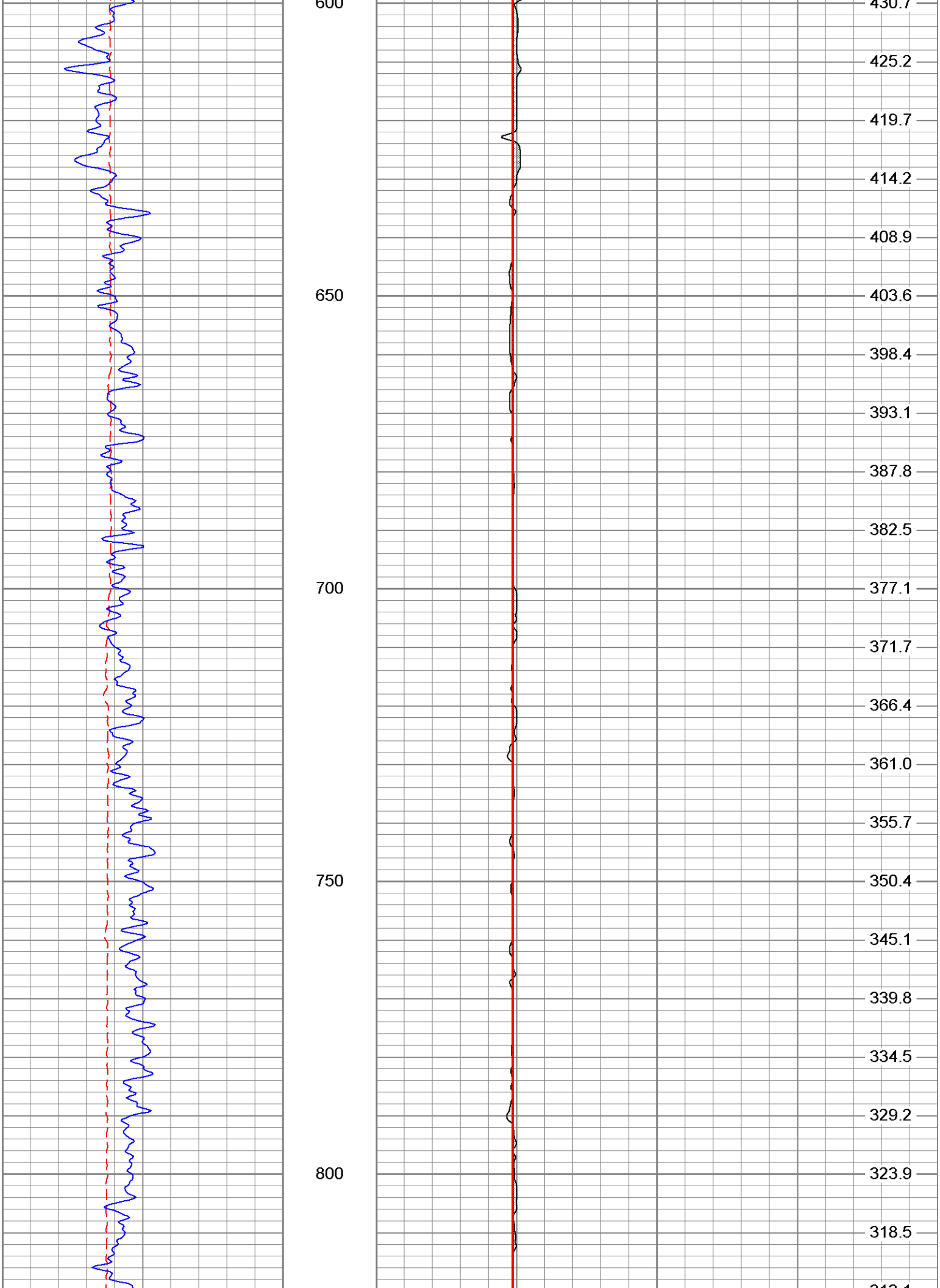
0	Line Speed (ft/min)	100
30	Gamma Ray (GAPI)	130

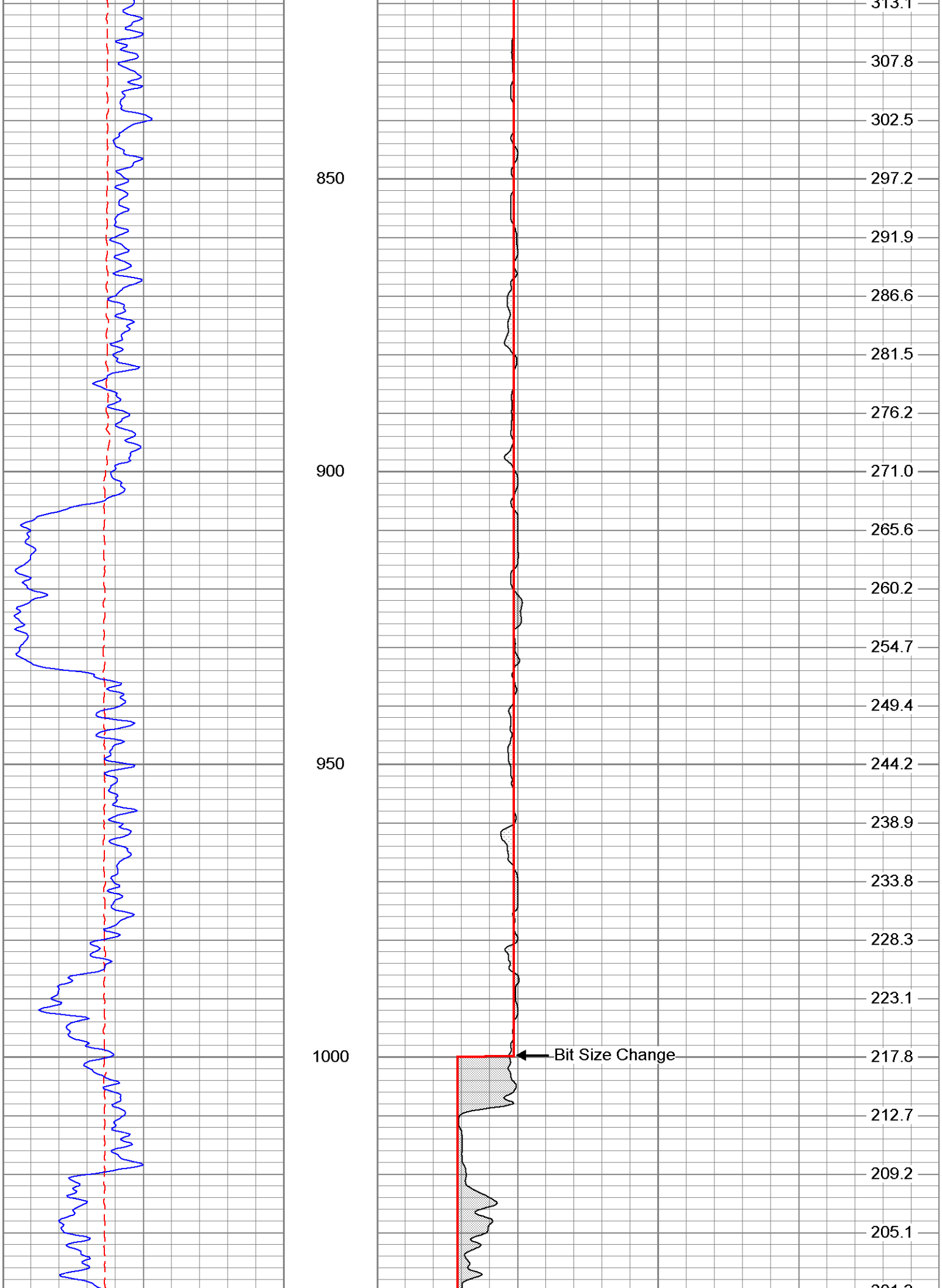
5	CALIPER (in)	25
5	BIT SIZE (in)	25

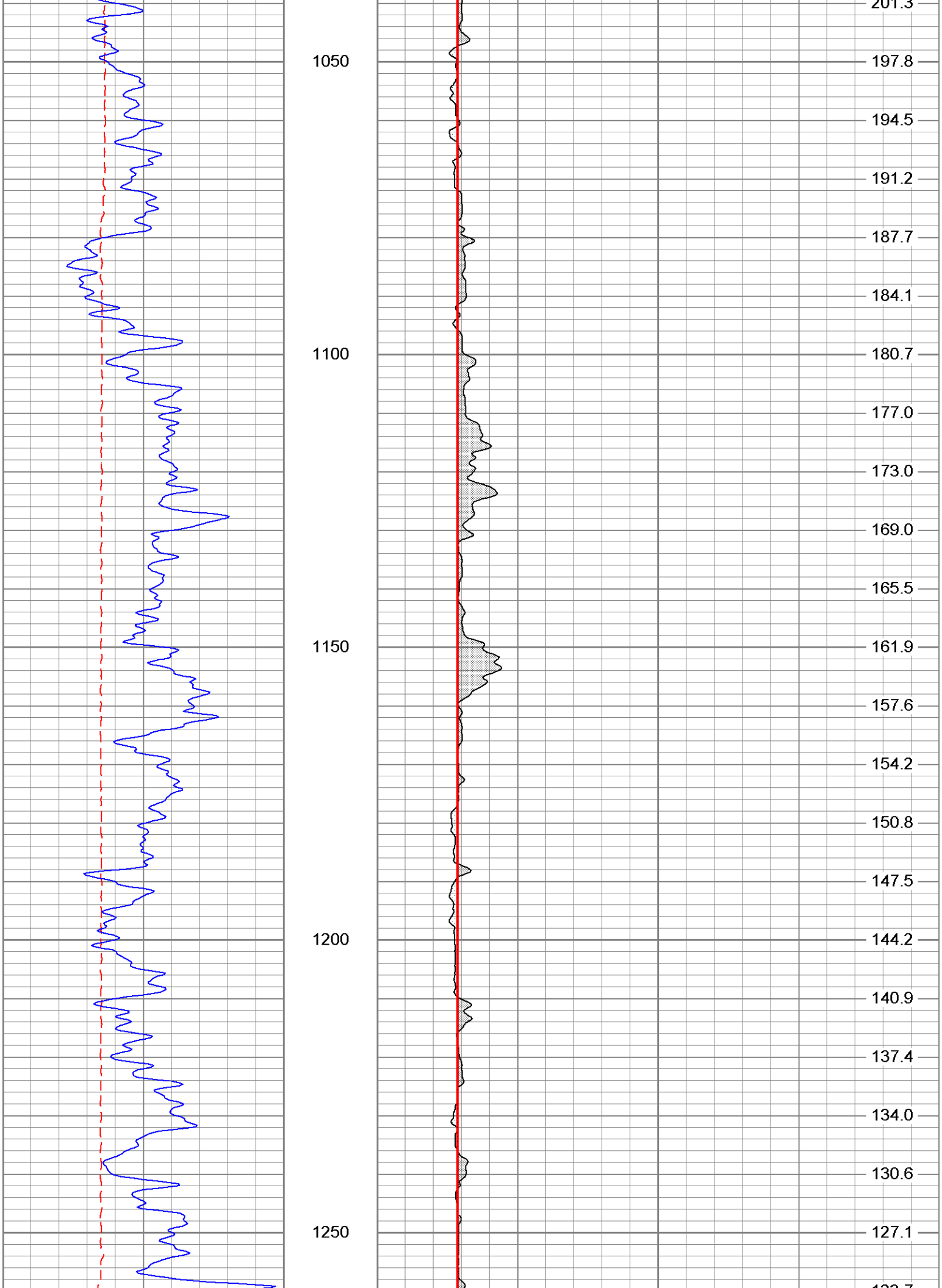


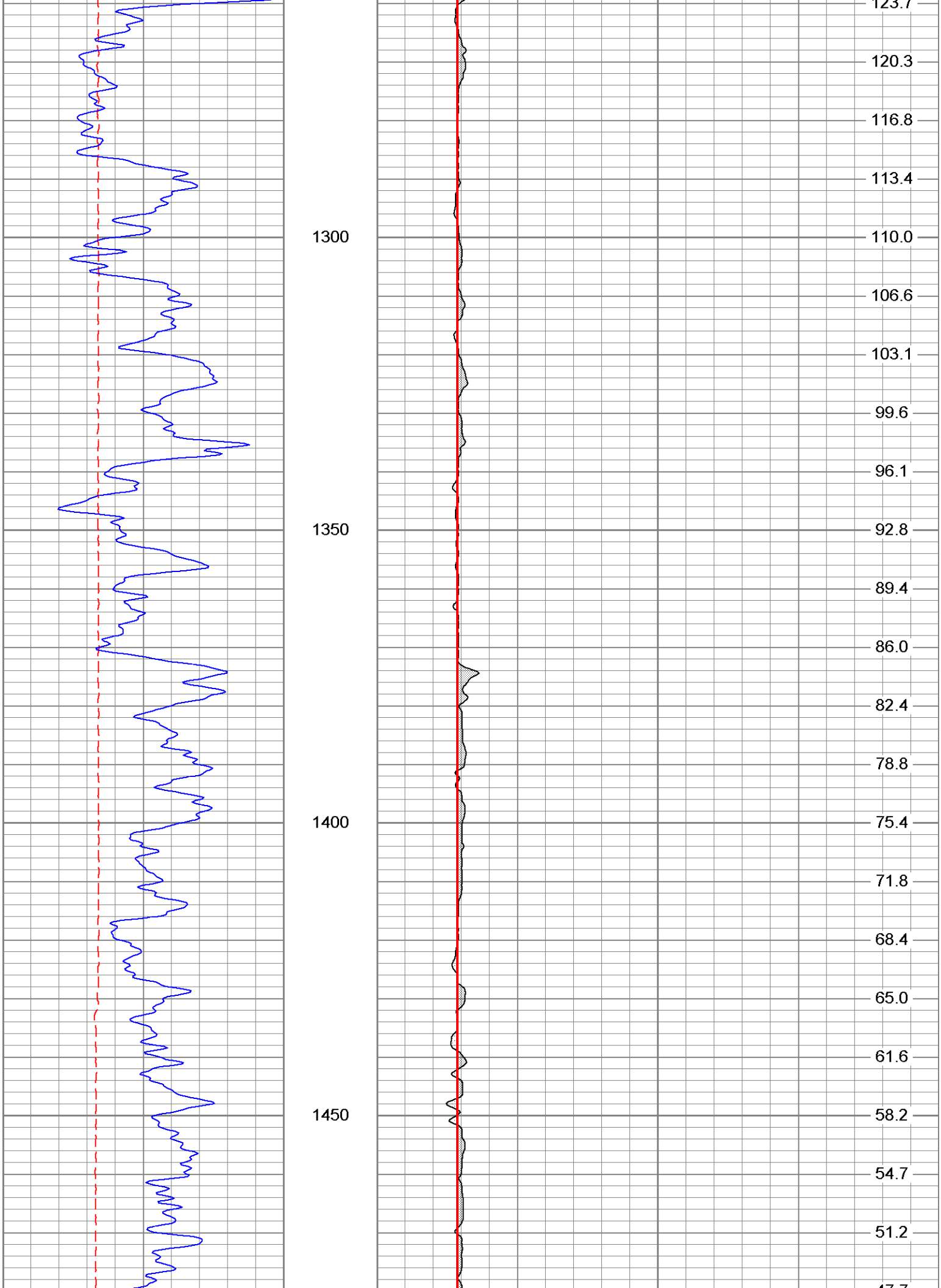

Line Speed
Gamma Ray
Bit Size
Caliper
Bit Size Change
200
250
300
350
751.9
743.6
734.2
725.9
716.0
707.7
699.8
691.0
682.7
674.3
666.4
658.6
650.0
641.6
632.5
623.7
613.8
604.9
596.3
587.6
579.1
569.9

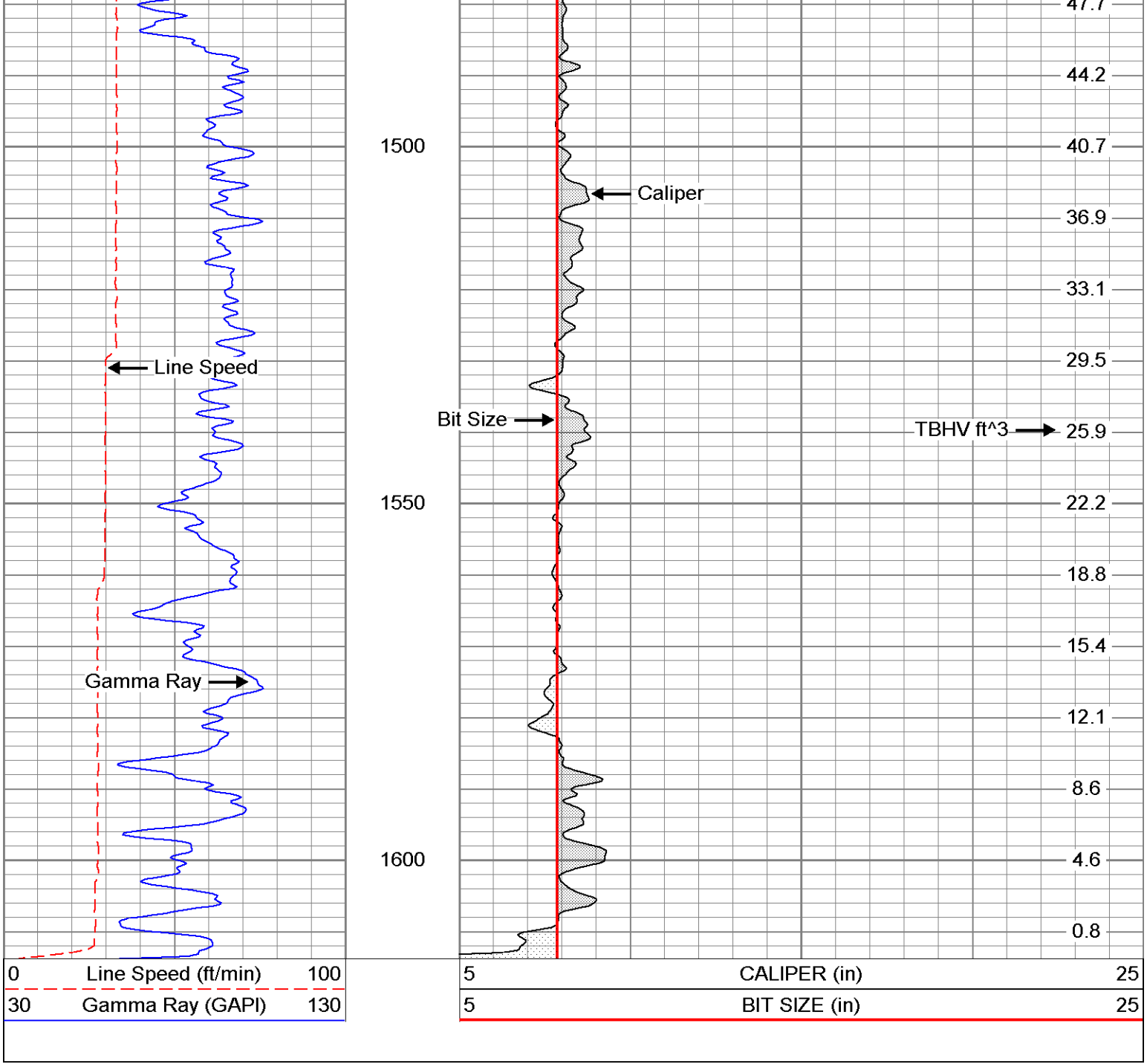

Bit Size Change
400
450
500
550
560.9
553.4
547.7
541.4
535.8
530.1
524.5
518.8
513.2
507.4
501.1
494.5
487.2
481.6
476.1
470.5
465.0
459.2
452.8
447.0
441.5
436.1


600
650
700
750
800
430.7
425.2
419.7
414.2
408.9
403.6
398.4
393.1
387.8
382.5
377.1
371.7
366.4
361.0
355.7
350.4
345.1
339.8
334.5
329.2
323.9
318.5


850
900
950
1000
313.1
307.8
302.5
297.2
291.9
286.6
281.5
276.2
271.0
265.6
260.2
254.7
249.4
244.2
238.9
233.8
228.3
223.1
217.8
212.7
209.2
205.1
Bit Size Change


1050
1100
1150
1200
1250
201.3
197.8
194.5
191.2
187.7
184.1
180.7
177.0
173.0
169.0
165.5
161.9
157.6
154.2
150.8
147.5
144.2
140.9
137.4
134.0
130.6
127.1


1300
1350
1400
1450
123.7
120.3
116.8
113.4
110.0
106.6
103.1
99.6
96.1
92.8
89.4
86.0
82.4
78.8
75.4
71.8
68.4
65.0
61.6
58.2
54.7
51.2


1500
1550
1600
Line Speed
Gamma Ray
Caliper
Bit Size
TBHV ft^3
47.7
44.2
40.7
36.9
33.1
29.5
25.9
22.2
18.8
15.4
12.1
8.6
4.6
0.8
0 Line Speed (ft/min) 100
30 Gamma Ray (GAPI) 130
5 CALIPER (in) 25
5 BIT SIZE (in) 25