PACIFIC SURVEYS

CALIPER
BOREHOLE VOLUME

Job No.
15100

File No.

Company U.S. GEOLOGICAL SURVEY
Well SDCC
Field CHULA VISTA
County SAN DIEGO State CA

Location:

SAN DIEGO COUNTRY CLUB
GPS: N32*37.000' W117*03.572'

Sec. Twp. Rge.

Other Services:

ELOG
GR/LL3
SONIC/VDL

Permanent Datum	G.L.	Elevation above perm. datum	Elevation
Log Measured From	G.L. 0'		K.B.
Drilling Measured From	G.L.		D.F.
			G.L.

Date	2/22/2010		
Run Number	ONE		
Depth Driller	1720'		
Depth Logger	1725'		
Bottom Logged Interval	1725'		
Top Log Interval	0'		
Casing Driller	N/A		
Casing Logger	N/A		
Bit Size	8 3/4" @ 0-1040'	8 1/2" @ 1040'-1700'	6 " @ 1700'-1725'
Type Fluid in Hole	BENTONITE		
Density / Viscosity	N/A		
pH / Fluid Loss	N/A		
Source of Sample	PIT		
Rm @ Meas. Temp	4.6 @ 77F		
Rmf @ Meas. Temp	5.1 @ 77F		
Rmc @ Meas. Temp	N/A		
Source of Rmf / Rmc	MEAS		
Rm @ BHT	N/A		
Time Circulation Stopped	3 HOURS		
Time Logger on Bottom	8:15 PM		
Max. Recorded Temperature	N/A		
Equipment Number	PS-1		
Location	L.A.		
Recorded By	ABREAU/NELSON		
Witnessed By	A. BROWN		

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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

Calibration Report

Database File: 15100.db
Dataset Pathname: CAL.1
Dataset Creation: Mon Feb 22 23:46:02 2010 by Calc Open-Cased 090629

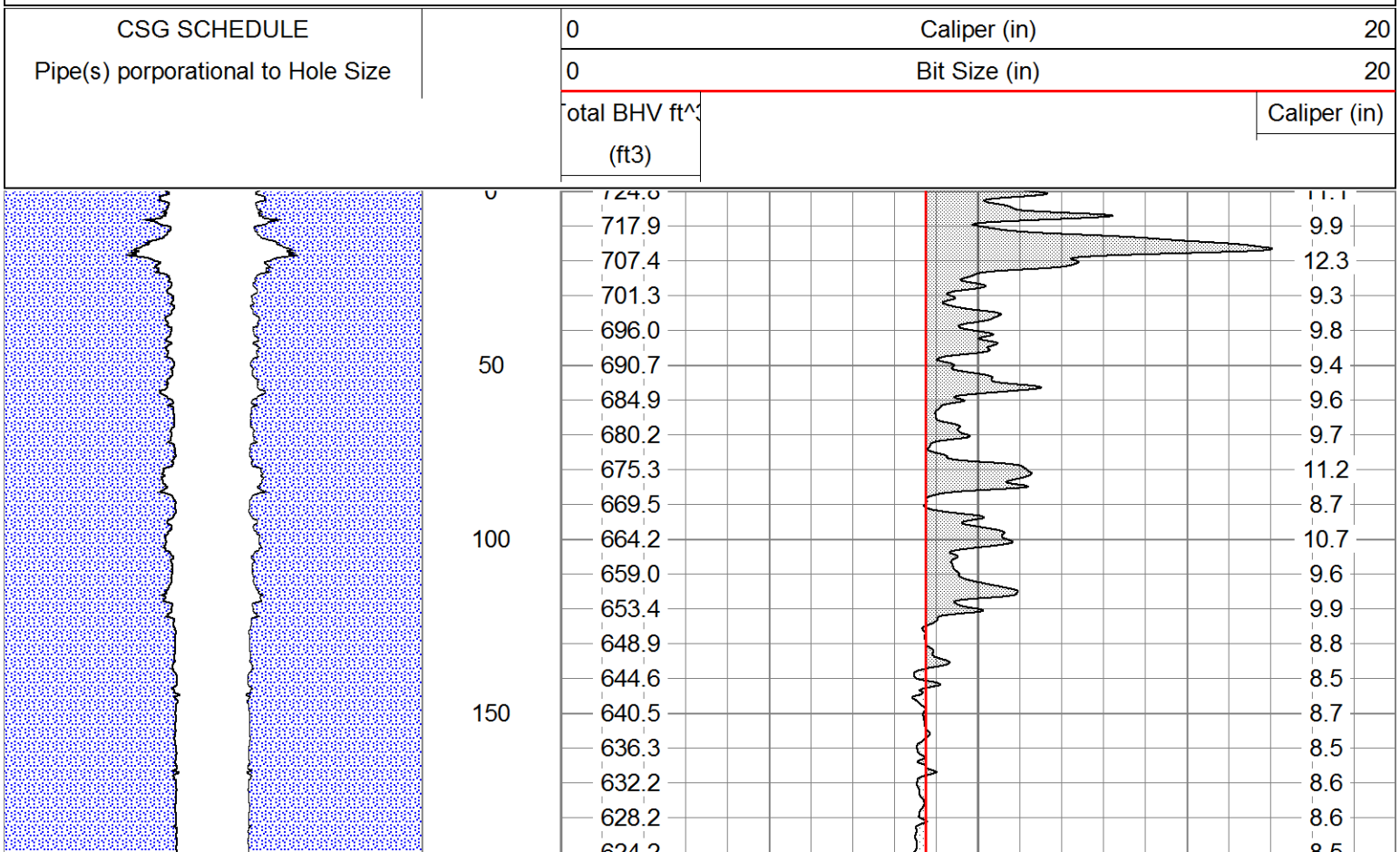
Temperature Calibration Report

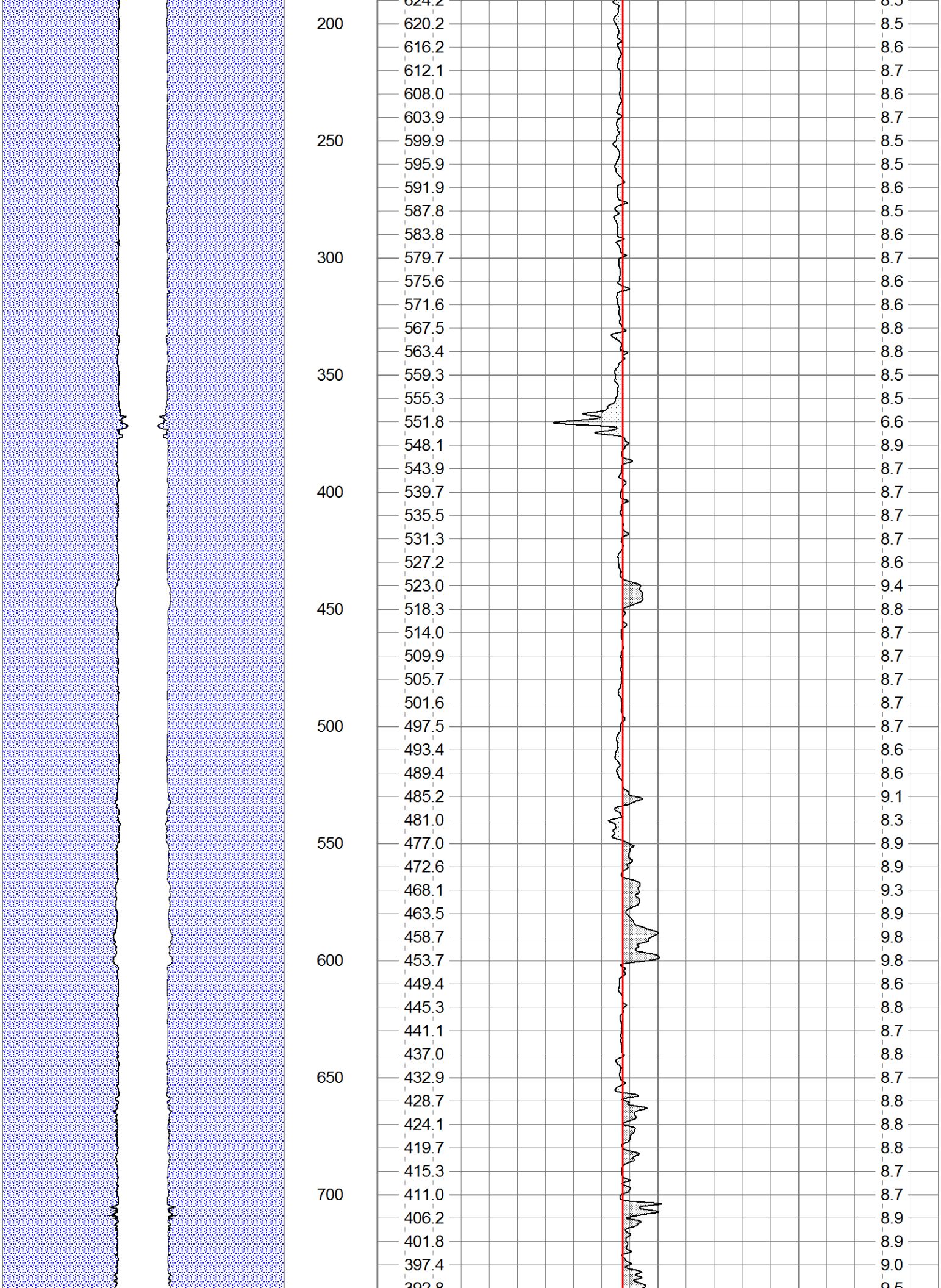
Serial Number:	GRPH_SHORT		
Tool Model:	GRPH_CAL		
Performed:	Wed Dec 09 10:44:45 2009		
	Reference		Reading
Low Reference:	4.00	degF	973.65 cps
High Reference:	7.00	degF	1529.02cps
Gain:	0.01		
Offset:	-1.46		
Delta Spacing	1		

XY Caliper Calibration Report

Serial Number:	Short		
Tool Model:	Comprobe		
Performed:	Wed Dec 09 10:45:29 2009		
Small Ring:	8	in	
Large Ring:	14	in	
	X Caliper	Y Caliper	
Reading with Small Ring:	973.65	973.65	cps
Reading with Large Ring:	1529.02	1529.02	cps
Gain:	0.0108036	0.0108036	
Offset:	-1.41893	-1.41893	

Database File:	15100.db
Dataset Pathname:	CAL.1
Presentation Format:	xyc_gph
Dataset Creation:	Mon Feb 22 23:46:02 2010 by Calc Open-Cased 090629
Charted by:	Depth in Feet scaled 1:600

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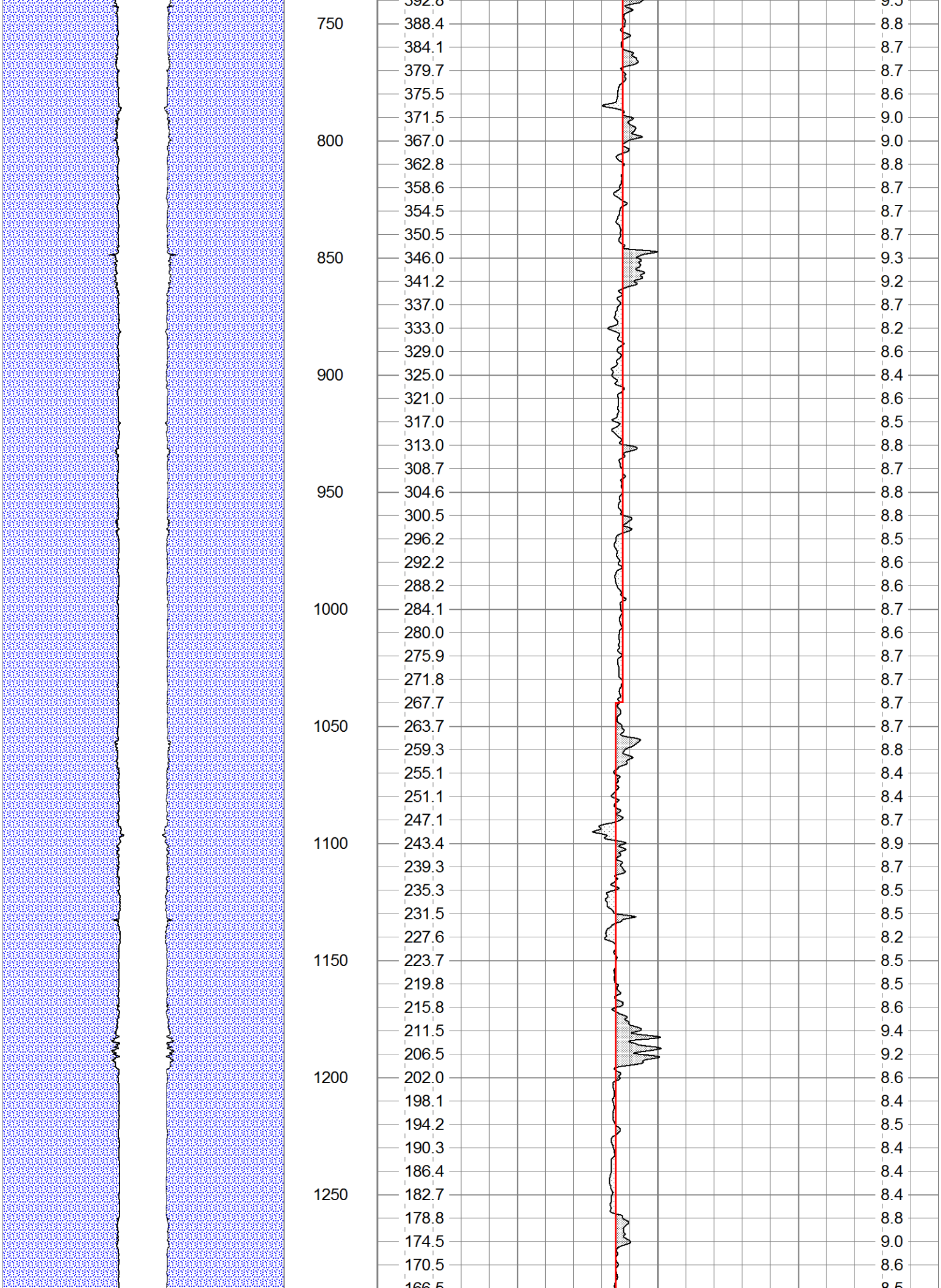
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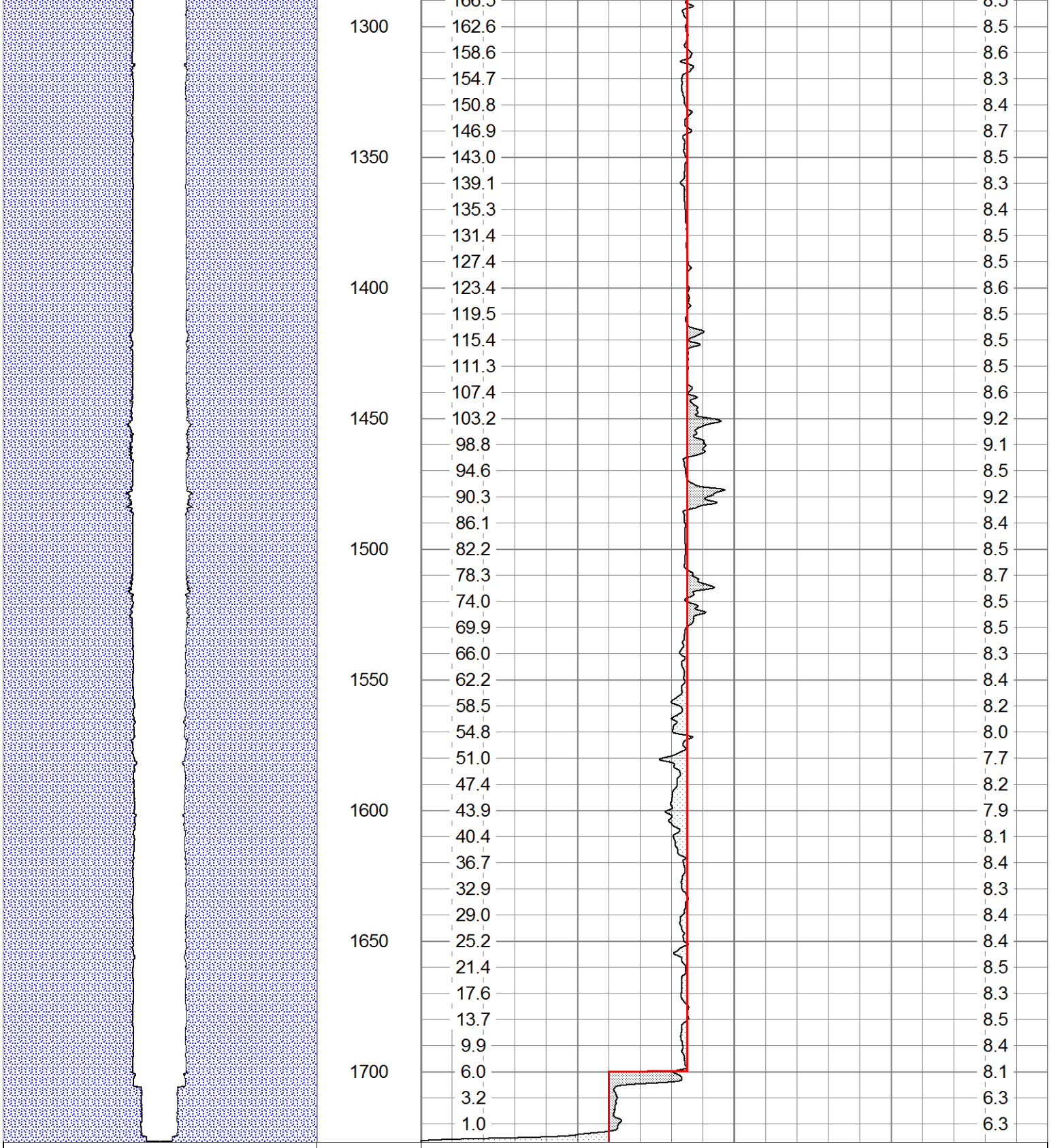
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CSG SCHEDULE
Pipe(s) porporational to Hole Size
0
Caliper (in)
20
0
Bit Size (in)
20
Total BHV ft^3
(ft3)
Caliper (in)