PACIFIC SURVEYS

CALIPER
BOREHOLE VOLUMES

Job No.
15538

File No.

Company U.S. GEOLOGICAL SURVEY
Well SDSY
Field SAN DIEGO
County SAN DIEGO State CA

Location:

GPS:N33o05.240' W116o58.492'

Sec. Twp. Rge.

Other Services:

ELOG
SONIC/VDL
GR/LL3

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	10/16/2010		
Run Number	ONE		
Depth Driller	350'		
Depth Logger	350'		
Bottom Logged Interval	350'		
Top Log Interval	30'		
Casing Driller	N/A		
Casing Logger	N/A		
Bit Size	7.875"		
Type Fluid in Hole	BENTONITE		
Density / Viscosity	N/A		
pH / Fluid Loss	N/A		
Source of Sample	PIT		
Rm @ Meas. Temp	4.8 @ 77F		
Rmf @ Meas. Temp	5.3 @ 77F		
Rmc @ Meas. Temp	N/A		
Source of Rmf / Rmc	MEASURE		
Rm @ BHT	N/A		
Time Circulation Stopped	3 HOURS		
Time Logger on Bottom	7:30 PM		
Max. Recorded Temperature	N/A		
Equipment Number	PS-1		
Location	L.A.		
Recorded By	ABREAU		
Witnessed By	AJOS		

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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: 15538.db
Dataset Pathname: CAL
Dataset Creation: Sat Oct 16 20:57:36 2010 by Log Open-Cased 090629

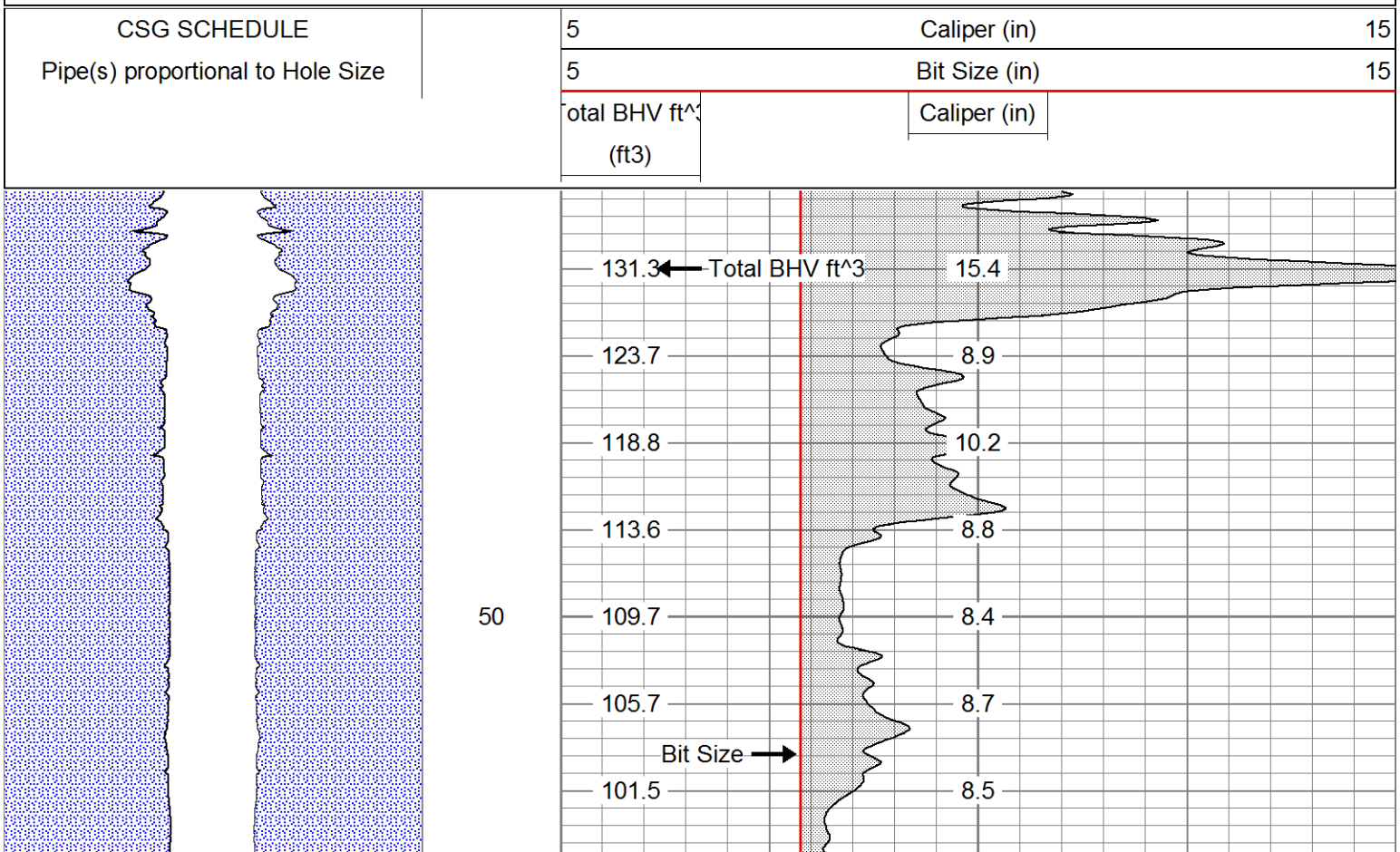
Temperature Calibration Report

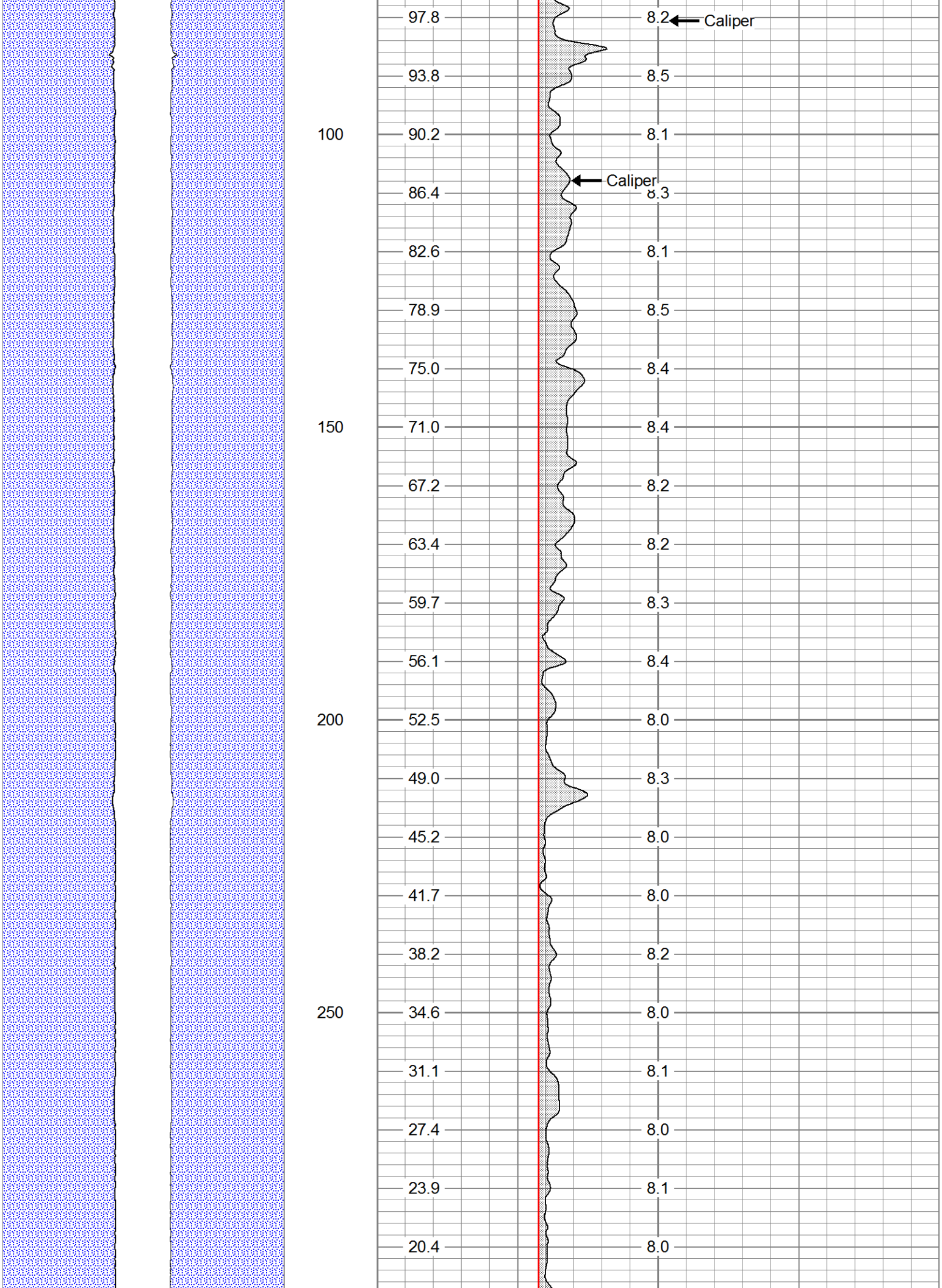
Serial Number:	GRPH_SHORT		
Tool Model:	GRPH_CAL		
Performed:	Fri Apr 30 11:43:40 2010		
	Reference		Reading
Low Reference:	3.00	degF	610.65 cps
High Reference:	7.00	degF	1328.40cps
Gain:	0.01		
Offset:	-0.40		
Delta Spacing	1		

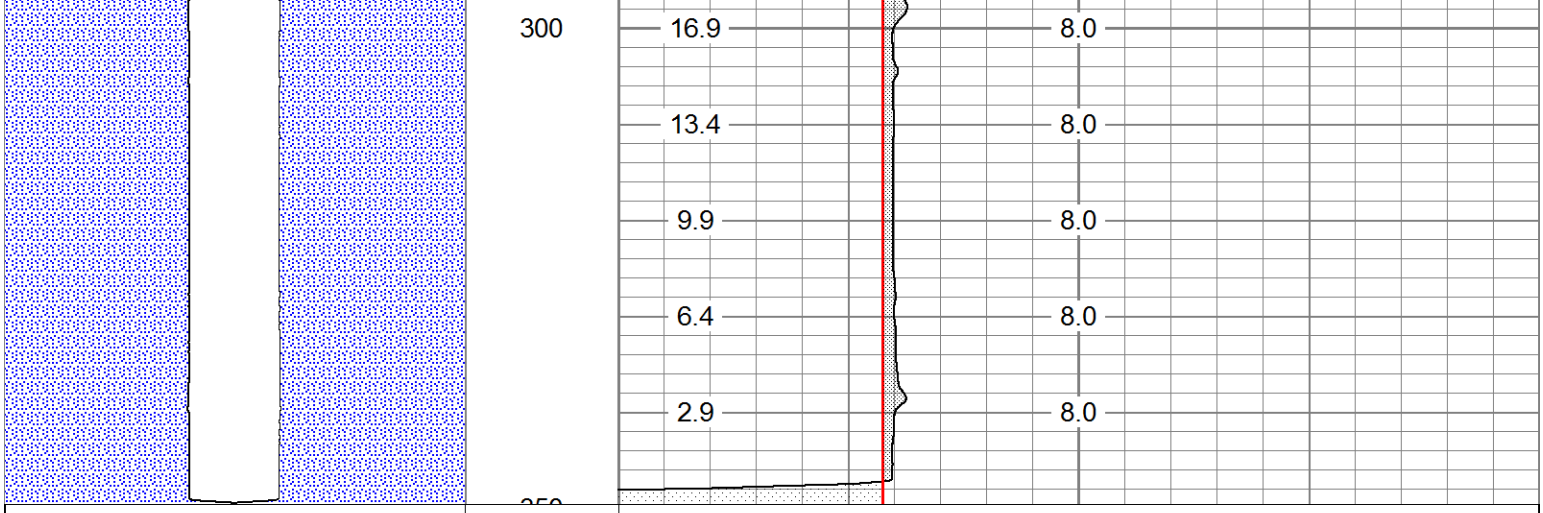
XY Caliper Calibration Report

Serial Number:	Short		
Tool Model:	Comprobe		
Performed:	Thu Aug 12 19:15:29 2010		
Small Ring:	6	in	
Large Ring:	14	in	
	X Caliper	Y Caliper	
Reading with Small Ring:	610.65	610.65	cps
Reading with Large Ring:	1328.4	1328.4	cps
Gain:	0.0111459	0.0111459	
Offset:	-0.80627	-0.80627	

Database File:	15538.db
Dataset Pathname:	CAL
Presentation Format:	xyc_gph
Dataset Creation:	Sat Oct 16 20:57:36 2010 by Log Open-Cased 090629
Charted by:	Depth in Feet scaled 1:240




97.8
8.2
Caliper
93.8
8.5
100
90.2
8.1
Caliper
86.4
8.3
82.6
8.1
78.9
8.5
75.0
8.4
150
71.0
8.4
67.2
8.2
63.4
8.2
59.7
8.3
56.1
8.4
200
52.5
8.0
49.0
8.3
45.2
8.0
41.7
8.0
38.2
8.2
250
34.6
8.0
31.1
8.1
27.4
8.0
23.9
8.1
20.4
8.0



CSG SCHEDULE	5	Caliper (in)	15
Pipe(s) proportional to Hole Size	5	Bit Size (in)	15
	Total BHV ft^3 (ft3)	Caliper (in)	