

# PACIFIC SURVEYS

## CALIPER BOREHOLE VOLUME

Job No. 15100  
 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. ELOG GR/L3 SONIC/VDL

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

<<< Fold Here >>>

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