PACIFIC SURVEYS

CALIPER
BOREHOLE VOLUMES

Job No.				
13093	Company	WDC EXPLORATION & WELLS		
	Well	MW-27		
	Field	SANTA FE SPRINGS		
	County	LOS ANGELES	State	CA

Location:	Other Services:
SE CORNER OF CLARK & NORWALK BLVD.	E-LOG GR/LL3
Sec. Twp. Rge.	

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

Date	4-12-07		
Run Number	ONE		
Depth Driller	225'		
Depth Logger	225'		
Bottom Logged Interval	225'		
Top Log Interval	20'		
Type Caliper	3 ARM		
Type Fluid in Hole	BENTONITE		
Density / Viscosity	N/A		
Max. Recorded Temp.	N/A		
pH/Fluid Loss	N/A		
Time Well Ready	11:00 AM		
Time Logger on Bottom	11:00 AM		
Equipment Number	PS-1		
Location	L.A.		
Recorded By	ABREAU/KOHN		
Witnessed By	JABLONSKI		

Borehole Record				Gravel Feed/Tubing Schedule			
Run Number	Bit	From	To	Size	Type	From	To
ONE	14.5"	20'	225'				

Casing Schd.	Size	Wgt/Ft	Top	Bottom
Surface String	17.5"	CSG	0	20'
Production String	4"	PVC	0	110'
Production String	2"	PVC	0	140'
Production String	4"	PVC	0	190'
Production String	2"	PVC	0	220'

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All interpretations are opinions based on inferences from electrical or other measurements and Pacific Surveys 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 Pacific Surveys' general terms and conditions set out in our current Price Schedule.

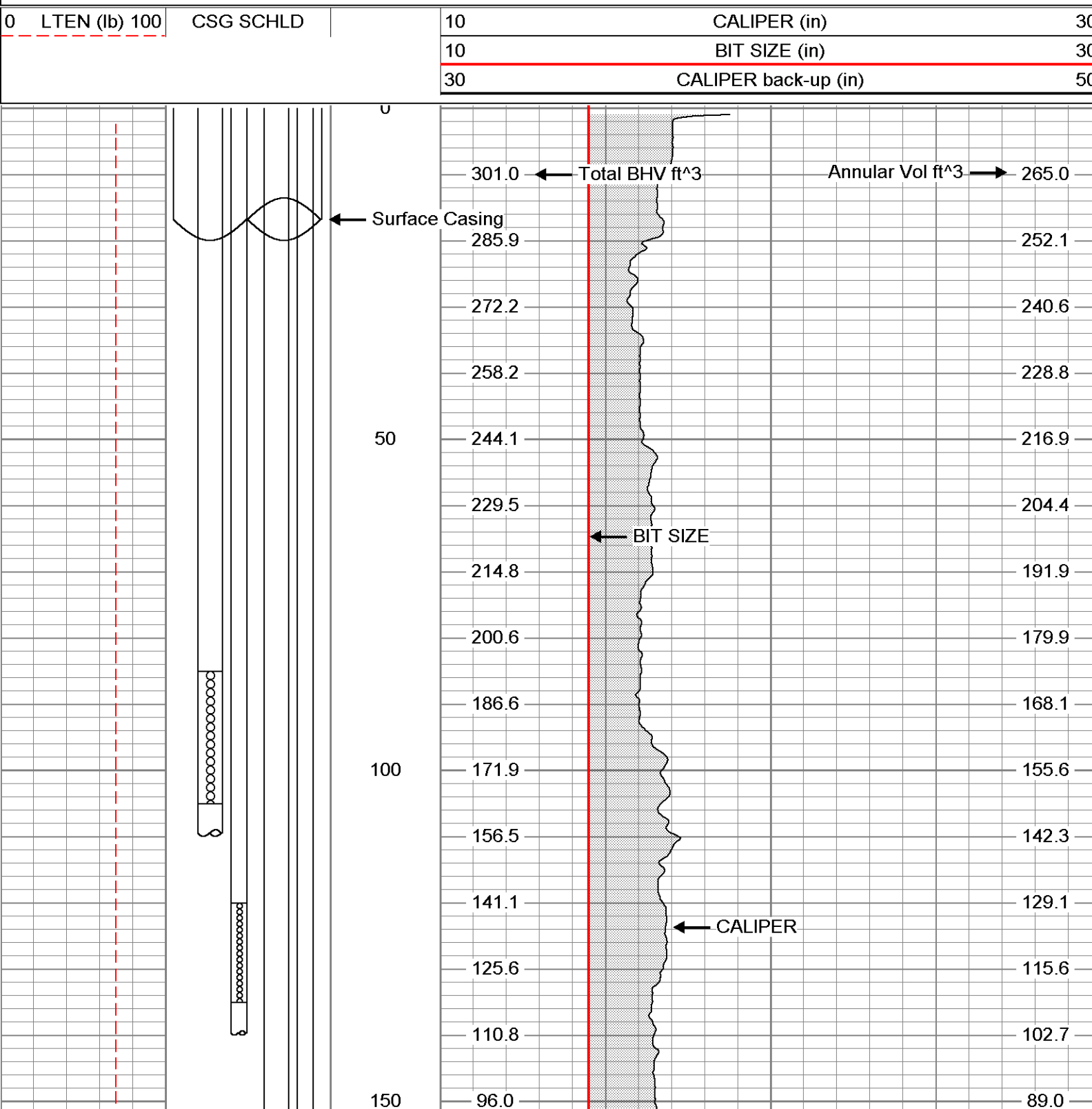
Comments

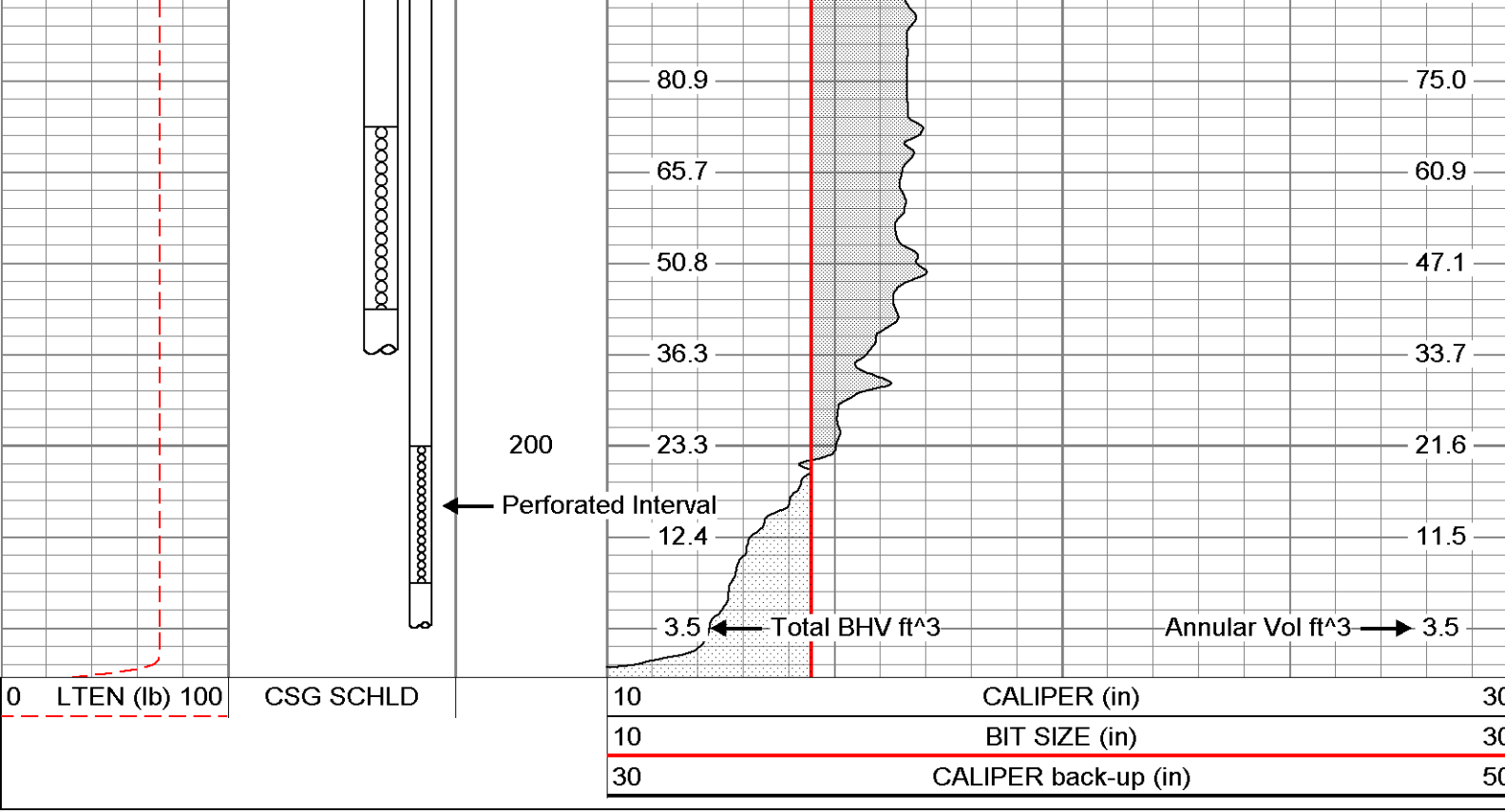
XY Caliper Calibration Report

Serial Number: Long
Tool Model: Comprobe
Performed: Sat Mar 31 19:15:21 2007

Small Ring:	21.437	in	
Large Ring:	33.437	in	
	X Caliper	Y Caliper	
Reading with Small Ring:	423.3	423.3	cps
Reading with Large Ring:	594.3	594.3	cps
Gain:	0.0701754	0.0701754	
Offset:	-6.06826	-6.06826	

Database File: 13093.db
Dataset Pathname: wdc/mw-27/run2/CAL
Presentation Format: XYC2
Dataset Creation: Thu Apr 12 11:39:04 2007 by Log Warrior Version 6.6
Charted by: Depth in Feet scaled 1:240




80.9
65.7
50.8
36.3
23.3
12.4
3.5
75.0
60.9
47.1
33.7
21.6
11.5
3.5
200
Perforated Interval
Total BHV ft^3
Annular Vol ft^3
0 LTEN (lb) 100
CSG SCHLD
10 CALIPER (in) 30
10 BIT SIZE (in) 30
30 CALIPER back-up (in) 50