**PACIFIC SURVEYS**

# CALIPER BOREHOLE VOLUMES

| | |
|---|---|
| Job No. 13043 | |
| Company | WDC EXPLORATION & WELLS |
| Well | MW-26 |
| Field | SANTA FE SPRINGS |
| File No. | |
| County | LOS ANGELES State CA |

| | |
|---|---|
| Location: BELL RANCH ROAD EAST OF NORWALK BLVD. Sec. Twp. Rge. | Other Services: ELOG GR/LL3 |

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

| | | | |
|---|---|---|---|
| Date | 2/22/2007 | | |
| Run Number | ONE | | |
| Depth Driller | 250' | | |
| Depth Logger | 250' | | |
| Bottom Logged Interval | 248' | | |
| Top Log Interval | 0' | | |
| Type Caliper | 3-ARM | | |
| Type Fluid in Hole | BENTONITE | | |
| Density / Viscosity | NA | | |
| Max. Recorded Temp. | NA | | |
| pH/Fluid Loss | NA | | |
| Time Well Ready | 11:00 | | |
| Time Logger on Bottom | 11:40 | | |
| Equipment Number | PS-3 | | |
| Location | LA | | |
| Recorded By | KOHN/LAPORTE | | |
| Witnessed By | JABLONSKI | | |

| Borehole Record | | | | Gravel Feed/Tubing Schedule | | | |
|---|---|---|---|---|---|---|---|
| Run Number | Bit | From | To | Size | Type | From | To |
| ONE | 14.75" | 20' | 220' | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| Casing Schedule | Size | Wgt/Ft | Top | Bottom |
|---|---|---|---|---|
| Surface String | 16" | COND | 0 | 20 |
| Production String | | | | |
| Production String | | | | |
| Production String | | | | |
| Production String | | | | |

<<< Fold Here >>>

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

4" PVC 0-95'
2.5" PVC 0-125'
2.5"PVC 0-165'
2.5"PVC 0-210'

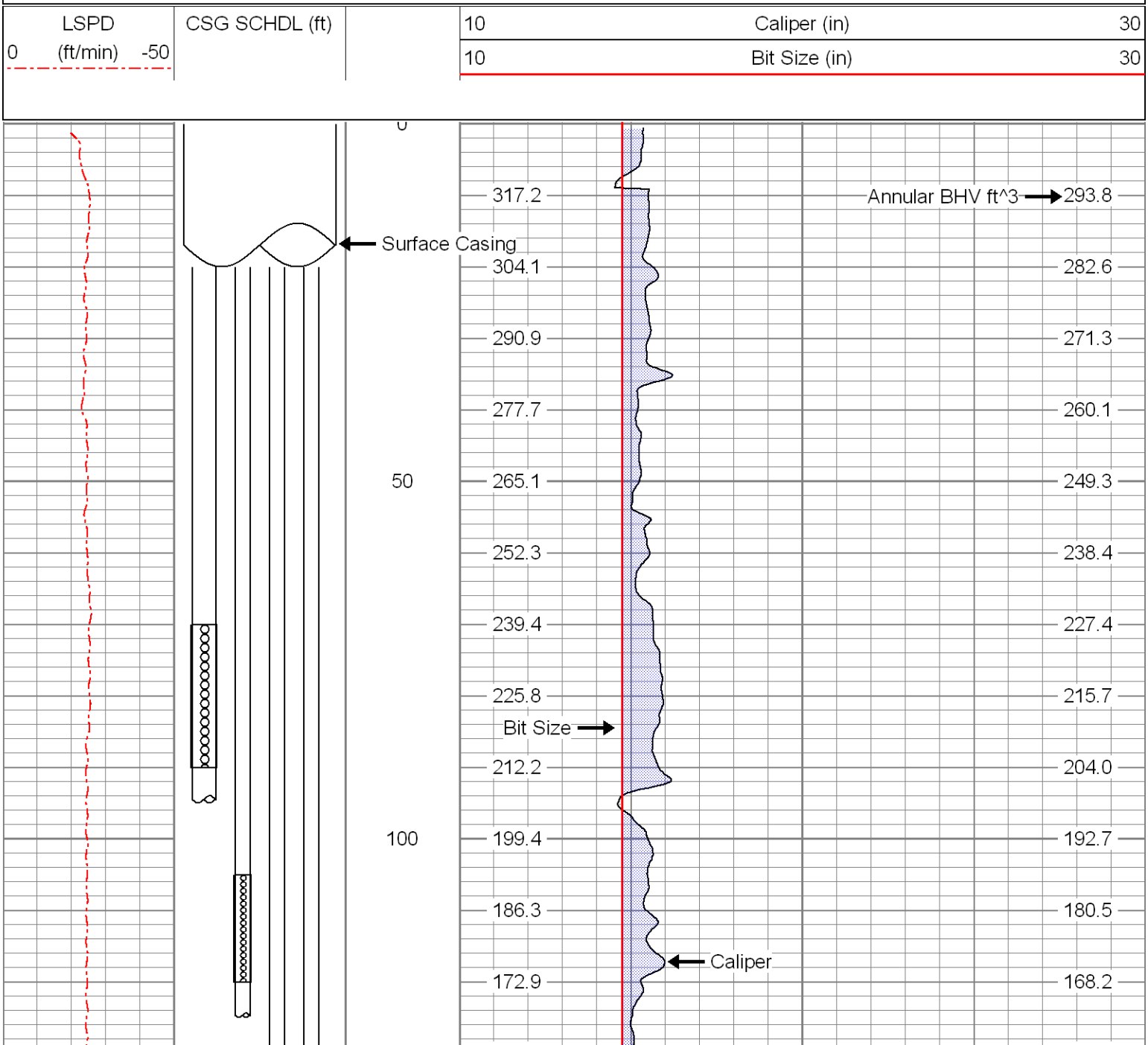
Calibration Report

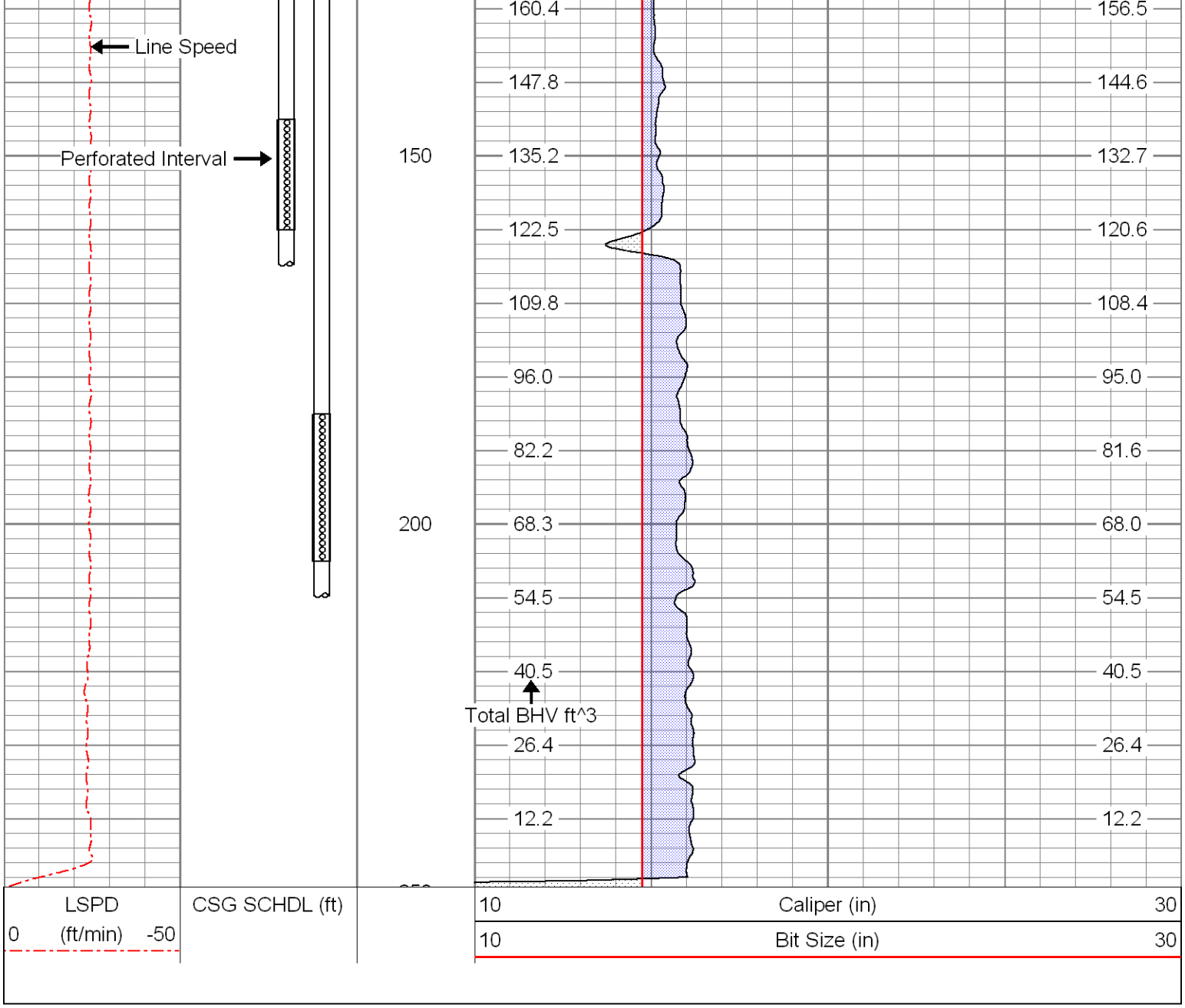
Database File: 13043.db
Dataset Pathname: wdc/well/run1/cal
Dataset Creation: Thu Feb 22 12:14:59 2007 by Log Open-Cased 060407

XY Caliper Calibration Report

| | | | |
|---|---|---|---|
| Serial Number: | Long | | |
| Tool Model: | Comprobe | | |
| Performed: | Thu Feb 22 12:03:18 2007 | | |
| Small Ring: | 20 | in | |
| Large Ring: | 36 | in | |
| | X Caliper | Y Caliper | |
| Reading with Small Ring: | 496.2 | 496.2 | cps |
| Reading with Large Ring: | 735.3 | 735.3 | cps |
| Gain: | 0.0669176 | 0.0669176 | |
| Offset: | -11.6047 | -11.6047 | |

| | |
|---|---|
| Database File: | 13043.db |
| Dataset Pathname: | wdc/well/run1/cal2.1 |
| Presentation Format: | xyc |
| Dataset Creation: | Thu Feb 22 12:49:29 2007 by Calc Open-Cased 060407 |
| Charted by: | Depth in Feet scaled 1:240 |




Line Speed
Perforated Interval
150
200
160.4
147.8
135.2
122.5
109.8
96.0
82.2
68.3
54.5
40.5
26.4
12.2
156.5
144.6
132.7
120.6
108.4
95.0
81.6
68.0
54.5
40.5
26.4
12.2
Total BHV ft^3
LSPD
0 (ft/min) -50
CSG SCHDL (ft)
10 Caliper (in) 30
10 Bit Size (in) 30