

SSRL BL1

 DAN HARRINGTON

30 APR 2003
 PERRY, BANUELOS

4

HRLN020

HRLN030

HRLN015 ^{4/5/03}

| | | | | | |
|----|-----------------|------|-----------------|-----------------|-----------------|
| | 574.74103m | BM | 574.75025m | | 574.72905 |
| | 575.791m | BL | 575.791m | | 575.791 |
| | -1.050m ✓ | (m) | -1.041m ✓ | | 1.062 ✓ |
| | -41.339" ✓ | (in) | -40.984" ✓ | | -41.809 ✓ |
| | 13.525 | | 13.155 | | 40.750 |
| | 40.750 | | 40.750 | ROD + 1/2" BALL | 13.987 |
| HI | <u>12.936</u> ✓ | | <u>12.921</u> ✓ | | <u>12.928</u> ✓ |

RIVET #11

12.928 ✓ HI
 14.256
 40. ROD + 1/2" BALL -
-41.328 ✓

Temp. Elev. Bench Mark for B/L 1 ✓

SSRL BL1

Don Harrington

Apr 30, 2003

Perry Banuelos

5/5/03

BPM - Mask

Y

| |
|-----------------|
| 15.975 |
| 3.437 |
| .490 |
| <u>12.048</u> ✓ |

| |
|-----------------|
| 15.975 |
| 3.437 |
| .49 |
| <u>12.048</u> ✓ |

| |
|-----------------|
| 15.975 |
| 3.437 |
| .49 |
| <u>12.048</u> ✓ |

| |
|---|
| 3 |
| 2 |

Rivet # 11
 -41.328
 40.
17.303
 15.975 ✓

S/R 11.048 ✓
~~11.077~~
~~11.075~~
~~11.059~~
~~11.045~~
~~11.046~~
~~11.040~~
 +.008 ✓

11.048 ✓
~~11.062~~
~~11.065~~
~~11.056~~
~~11.037~~
~~11.044~~
~~11.037~~
 +.001 ✓
 +.011

11.048 ✓
~~11.069~~
~~11.068~~
~~11.043~~
~~11.044~~
~~11.047~~
~~11.043~~
 +.005 ✓

Plate on top of mask tank

X

U/S 19.685 Plug Line ✓
 19.243 *
 1
 18.243 S/R ✓
~~18.348~~
~~18.260~~
~~18.273~~
~~18.223~~
~~18.245~~
 -.002 ✓

O/S 19.685 ✓
 19.290 *
 1
 18.290 ✓
~~18.377~~
~~18.286~~
~~18.275~~
~~18.265~~
~~18.282~~
 +.008 ✓

edge of tank plate

X +.003
 Y +.008
 Z -
 Roll +.006
 Pitch -.003
 Yaw +.010

Component: Beam Position Monitor

Centerline Position: -0.16357mR

Positions taken at 1.437" from either end of BPM tank

Distance to Centerline from either point is 3.000" (76.2mm) in X

| Position | Metric | | English | |
|------------|---------|-----------|---------|---------|
| | X (mm) | Z (mm) | X (in.) | Z (in.) |
| Upstream | 488.770 | 18198.892 | 19.243 | 716.492 |
| Downstream | 489.959 | 18531.888 | 19.290 | 729.602 |

Vertical: Centerline is 3.437" below the top of the tank (not the top of the tank lid)
No pitch