Y)

# BEAM LINE 03

42.767" HBL4505 HIGH GUN

42.532 HBL4SIC LOW GUN IN ALCOVE

10/11/95 MR MP

| | | |
|---|---|---|
| 2.657 | 9.156 | 8.915 |
| 57.750 | 40.750 | 40.750 |
| 60.407 | 49.906 | 49.665 |
| 42.767 | 42.767 | 42.532 |
| 17.640 | 7.139 | 7.133 |

H) COULD NOT SEE L)

EXIT PORT FLANGE

7.139
3.990
3.149
3.204
−0.055

AS MARKED IN FIELD

## MASK FLANGES

COPPER

| 1) | T/B # 2) | 3) → WILL NOT MOVE IN "Y" | 4) |
|---|---|---|---|
| 7.139 | 7.139 | 17.640 | 17.640 |
| 2.500 | −.004 | 4.990 | 4990 |
| 4.639 | 7.143 | 12.650 | 12.650 |
| 4.617 | 1 | 12.537 | 12.610 |
| +0.022 | 6.143 | +0.113 | +0.040 |
| | 6.163 | | |
| | −0.020 | | |

#2

17.640
4.990
12.650
12.533
+0.067

## STOPPER TANK

| 1) | 2) | 3) |
|---|---|---|
| 17.640 | 17.640 | 17.640 |
| + 1.062 | + 0.943 | + 1.079 |
| 16.578 | 16.697 | 16.561 |
| 1. | 1. | 1. |
| 15.578 | 15.697 | 15.561 |
| 15.538 | 15.660 | 15.545 |
| +40 | +37 | +16 |

## SEPARATION CHAMBER

| 1) | 2) | 3) |
|---|---|---|
| 17.640 | 17.640 | 17.640 |
| −0.026 | + 0.052 | + 0.015 |
| 17.6666 | 17.588 | 17.625 |
| 1.000 | 1.000 | 1.000 |
| 16.666 | 16.588 | 16.625 |
| 16.666 | 16.560 | 16.610 |
| 0 | +28 | +15 |

## ~~SEPARATION CHAMBER~~ MASK TANK

2 ← 3 1

## TRANSITION TUBE

| 1) | 3) | 2) |
|---|---|---|
| 17.640 | 17.640 | 17.640 |
| + 0.018 | + 0.012 | + 8.454 |
| 17.622 | 17.628 | 9.186 |
| 1 | 1 | 1 |
| 16.622 | 16.628 | 8.186 |
| 16.564 | | 8.100 |
| +.058 | | +.086 +36 |
| 16.606 +016 | | 8.165 |
| | | +021 |

| 1) | 2) |
|---|---|
| 17.640 | 17.640 |
| + 0.053 | + .031 |
| 17.587 | 17.609 |
| 1. | 1 |
| 16.587 | 16.609 |
| | 16.476 |
| | +.133 |

*RESET 10/27/0328

2564
Draft

BL 3 Front end TC2002

8-12-03
Perry McDougal

Stopper - S/R

| | 1 | 2 | 4 |
|---|---|---|---|
| Y | -2.405 | -2.369 | -2.285 (19830) |
| X | -7.112 | -7.112 | +7.127 |
| Z | 5.496 | -5.475 | +5.441 |
| | +304.677 | 304.677 | |
| | 310.173 S/R | 299.202 | |

Set

| | 1 | 2 | 4 |
|---|---|---|---|
| Y | 2.397 | 2.360 | 2.269 |
| X | 7.118 | 7.109 | |
| Z | 310.164 | 299.183 | |

O/s Arm -2.390
+ 19.725
O/s Arm = 22.115

Stopper Exit Flange Z (TR) 314.177"
Can = 19" so Can ℄ = 304.677

Exit Fl to T/B1 ≈ 4.0"
T/B2 ≈ 15.0"

Separator Tank 1.125 + X offset

O/s Copper Ring (4) D = 10.75
5.375
1.125
.750
5.000 S/R
5.007

Trans. Tube (5) TB 2 -7.415
1.125
.688
7.013 S/R
6.988

o/s Fl Sep. Tank (6) TB 2 -7.773
~~+1.125~~
-.688
~~7.336~~
S/R 8.461
~~8.463~~
8.458

| Y | (2) Copper (4) | Trans (5) | Sep Tank (6) | (7) |
|---|---|---|---|---|
| | 10.75 TB | +.035 | T/B2 +.052* | T/B3 +.015* |
| | 5.375 | .043 | .077 | 22.115 |
| | .750 | +.008 | .067 | 22.130 S/R |
| | 6.125 S/R | | +.013 | 22.117 +.013 |
| | 6.110 +.015 | | | |

*RESET
10/29/03

TORS FORM 7314