



KIRBY 11512



Barge Strapping Tables





BARGE "KIRBY 11512"

ULLAGE TRIM TABLE

| | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | |
|----------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|
| | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> |
| 1 CENTER | - 00-0/8 | 00-0/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/4 | 00-1/4 |
| 2 CENTER | 00-1/8 | - 00-1/8 | 00-3/8 | - 00-3/8 | 00-1/2 | - 00-1/2 | 00-5/8 | - 00-5/8 | 00-7/8 | - 00-7/8 | 01-0/8 | - 01-0/8 |
| 3 CENTER | 00-1/8 | - 00-1/8 | 00-1/4 | - 00-1/4 | 00-1/2 | - 00-1/2 | 00-5/8 | - 00-5/8 | 00-3/4 | - 00-3/4 | 00-7/8 | - 00-7/8 |

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 CENTER IS 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 162'-09"

May 25, 2005

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 11512"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-10 1/4"

| 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | | 16 FT. | | 17 FT. | | 18 FT. | | 19 FT. | |
|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|--------|--------|--------|--------|--------|--------|----|--------|----|
| N | IN | N | IN | N | IN | N | IN | N | IN | N | IN | N | IN | N | IN | N | IN | N | IN |
| 0 | 2,106.52 | 0 | 1,834.40 | 0 | 1,561.88 | 0 | 1,289.36 | 0 | 1,016.85 | 0 | 747.54 | 0 | 476.87 | 0 | 203.86 | 0 | | 0 | |
| 1/4 | 2,100.87 | 1/4 | 1,828.72 | 1/4 | 1,556.20 | 1/4 | 1,283.69 | 1/4 | 1,011.17 | 1/4 | 741.99 | 1/4 | 471.19 | 1/4 | 198.17 | 1/4 | | 1/4 | |
| 1/2 | 2,095.22 | 1/2 | 1,823.04 | 1/2 | 1,550.53 | 1/2 | 1,278.01 | 1/2 | 1,005.49 | 1/2 | 736.44 | 1/2 | 465.50 | 1/2 | 182.48 | 1/2 | | 1/2 | |
| 3/4 | 2,089.56 | 3/4 | 1,817.36 | 3/4 | 1,544.85 | 3/4 | 1,272.33 | 3/4 | 999.82 | 3/4 | 730.89 | 3/4 | 459.82 | 3/4 | 186.78 | 3/4 | | 3/4 | |
| 1 | 2,083.91 | 1 | 1,811.69 | 1 | 1,539.17 | 1 | 1,266.66 | 1 | 994.14 | 1 | 725.34 | 1 | 454.14 | 1 | 181.09 | 1 | | 1 | |
| 1/4 | 2,078.26 | 1/4 | 1,806.01 | 1/4 | 1,533.49 | 1/4 | 1,260.98 | 1/4 | 988.46 | 1/4 | 719.79 | 1/4 | 448.46 | 1/4 | 175.40 | 1/4 | | 1/4 | |
| 1/2 | 2,072.61 | 1/2 | 1,800.33 | 1/2 | 1,527.82 | 1/2 | 1,255.30 | 1/2 | 982.78 | 1/2 | 714.24 | 1/2 | 442.78 | 1/2 | 169.71 | 1/2 | | 1/2 | |
| 3/4 | 2,066.96 | 3/4 | 1,794.65 | 3/4 | 1,522.14 | 3/4 | 1,249.62 | 3/4 | 977.11 | 3/4 | 708.69 | 3/4 | 437.10 | 3/4 | 164.02 | 3/4 | | 3/4 | |
| 1 | 2,061.30 | 1 | 1,788.98 | 1 | 1,516.46 | 1 | 1,243.95 | 1 | 971.43 | 1 | 703.15 | 1 | 431.42 | 1 | 158.33 | 1 | | 1 | |
| 1/4 | 2,055.65 | 1/4 | 1,783.30 | 1/4 | 1,510.78 | 1/4 | 1,238.27 | 1/4 | 965.75 | 1/4 | 697.60 | 1/4 | 425.74 | 1/4 | 152.63 | 1/4 | | 1/4 | |
| 1/2 | 2,050.00 | 1/2 | 1,777.62 | 1/2 | 1,505.11 | 1/2 | 1,232.59 | 1/2 | 960.08 | 1/2 | 692.05 | 1/2 | 420.06 | 1/2 | 146.94 | 1/2 | | 1/2 | |
| 3/4 | 2,044.35 | 3/4 | 1,771.94 | 3/4 | 1,499.43 | 3/4 | 1,226.91 | 3/4 | 954.40 | 3/4 | 686.50 | 3/4 | 414.38 | 3/4 | 141.25 | 3/4 | | 3/4 | |
| 1 | 2,038.70 | 1 | 1,766.27 | 1 | 1,493.75 | 1 | 1,221.24 | 1 | 948.72 | 1 | 680.95 | 1 | 408.70 | 1 | 135.56 | 1 | | 1 | |
| 1/4 | 2,033.04 | 1/4 | 1,760.59 | 1/4 | 1,488.07 | 1/4 | 1,215.56 | 1/4 | 943.04 | 1/4 | 675.40 | 1/4 | 403.02 | 1/4 | 129.87 | 1/4 | | 1/4 | |
| 1/2 | 2,027.38 | 1/2 | 1,754.91 | 1/2 | 1,482.40 | 1/2 | 1,209.88 | 1/2 | 937.37 | 1/2 | 669.79 | 1/2 | 397.34 | 1/2 | 124.17 | 1/2 | | 1/2 | |
| 3/4 | 2,021.72 | 3/4 | 1,749.23 | 3/4 | 1,476.72 | 3/4 | 1,204.20 | 3/4 | 931.69 | 3/4 | 664.17 | 3/4 | 391.66 | 3/4 | 118.48 | 3/4 | | 3/4 | |
| 1 | 2,016.06 | 1 | 1,743.56 | 1 | 1,471.04 | 1 | 1,198.53 | 1 | 926.01 | 1 | 658.56 | 1 | 385.98 | 1 | 112.79 | 1 | | 1 | |
| 1/4 | 2,010.39 | 1/4 | 1,737.88 | 1/4 | 1,465.36 | 1/4 | 1,192.85 | 1/4 | 920.33 | 1/4 | 652.94 | 1/4 | 380.29 | 1/4 | 107.10 | 1/4 | | 1/4 | |
| 1/2 | 2,004.72 | 1/2 | 1,732.20 | 1/2 | 1,459.69 | 1/2 | 1,187.17 | 1/2 | 914.66 | 1/2 | 647.26 | 1/2 | 374.51 | 1/2 | 101.41 | 1/2 | | 1/2 | |
| 3/4 | 1,999.04 | 3/4 | 1,726.52 | 3/4 | 1,454.01 | 3/4 | 1,181.49 | 3/4 | 908.98 | 3/4 | 641.58 | 3/4 | 368.92 | 3/4 | 95.71 | 3/4 | | 3/4 | |
| 1 | 1,993.36 | 1 | 1,720.85 | 1 | 1,448.33 | 1 | 1,175.82 | 1 | 903.30 | 1 | 635.91 | 1 | 363.23 | 1 | 90.02 | 1 | | 1 | |
| 1/4 | 1,987.68 | 1/4 | 1,715.17 | 1/4 | 1,442.65 | 1/4 | 1,170.14 | 1/4 | 897.62 | 1/4 | 630.23 | 1/4 | 357.54 | 1/4 | 84.33 | 1/4 | | 1/4 | |
| 1/2 | 1,982.01 | 1/2 | 1,709.49 | 1/2 | 1,436.98 | 1/2 | 1,164.46 | 1/2 | 892.01 | 1/2 | 624.55 | 1/2 | 351.85 | 1/2 | 78.64 | 1/2 | | 1/2 | |
| 3/4 | 1,976.33 | 3/4 | 1,703.81 | 3/4 | 1,431.30 | 3/4 | 1,158.78 | 3/4 | 886.40 | 3/4 | 618.87 | 3/4 | 346.16 | 3/4 | 72.95 | 3/4 | | 3/4 | |
| 1 | 1,970.65 | 1 | 1,698.14 | 1 | 1,425.62 | 1 | 1,153.11 | 1 | 880.78 | 1 | 613.19 | 1 | 340.47 | 1 | 67.25 | 1 | | 1 | |
| 1/4 | 1,964.98 | 1/4 | 1,692.46 | 1/4 | 1,419.94 | 1/4 | 1,147.43 | 1/4 | 875.17 | 1/4 | 607.51 | 1/4 | 334.77 | 1/4 | 61.56 | 1/4 | | 1/4 | |
| 1/2 | 1,959.30 | 1/2 | 1,686.78 | 1/2 | 1,414.27 | 1/2 | 1,141.75 | 1/2 | 869.62 | 1/2 | 601.83 | 1/2 | 329.08 | 1/2 | 55.87 | 1/2 | | 1/2 | |
| 3/4 | 1,953.62 | 3/4 | 1,681.11 | 3/4 | 1,408.59 | 3/4 | 1,136.07 | 3/4 | 864.07 | 3/4 | 596.15 | 3/4 | 323.39 | 3/4 | 50.18 | 3/4 | | 3/4 | |
| 1 | 1,947.94 | 1 | 1,675.43 | 1 | 1,402.91 | 1 | 1,130.40 | 1 | 858.52 | 1 | 590.47 | 1 | 317.70 | 1 | 44.49 | 1 | | 1 | |
| 1/4 | 1,942.27 | 1/4 | 1,669.75 | 1/4 | 1,397.24 | 1/4 | 1,124.72 | 1/4 | 852.97 | 1/4 | 584.79 | 1/4 | 312.01 | 1/4 | 38.80 | 1/4 | | 1/4 | |
| 1/2 | 1,936.59 | 1/2 | 1,664.07 | 1/2 | 1,391.56 | 1/2 | 1,119.04 | 1/2 | 847.42 | 1/2 | 579.11 | 1/2 | 306.31 | 1/2 | 33.68 | 1/2 | | 1/2 | |
| 3/4 | 1,930.91 | 3/4 | 1,658.40 | 3/4 | 1,385.88 | 3/4 | 1,113.37 | 3/4 | 841.87 | 3/4 | 573.43 | 3/4 | 300.62 | 3/4 | 28.56 | 3/4 | | 3/4 | |
| 1 | 1,925.23 | 1 | 1,652.72 | 1 | 1,380.20 | 1 | 1,107.69 | 1 | 836.32 | 1 | 567.75 | 1 | 294.93 | 1 | 23.45 | 1 | | 1 | |
| 1/4 | 1,919.56 | 1/4 | 1,647.04 | 1/4 | 1,374.53 | 1/4 | 1,102.01 | 1/4 | 830.77 | 1/4 | 562.07 | 1/4 | 289.24 | 1/4 | 18.33 | 1/4 | | 1/4 | |
| 1/2 | 1,913.88 | 1/2 | 1,641.36 | 1/2 | 1,368.85 | 1/2 | 1,096.33 | 1/2 | 825.22 | 1/2 | 556.39 | 1/2 | 283.55 | 1/2 | 14.95 | 1/2 | | 1/2 | |
| 3/4 | 1,908.20 | 3/4 | 1,635.69 | 3/4 | 1,363.17 | 3/4 | 1,090.66 | 3/4 | 819.67 | 3/4 | 550.71 | 3/4 | 277.85 | 3/4 | 11.56 | 3/4 | | 3/4 | |
| 1 | 1,902.52 | 1 | 1,630.01 | 1 | 1,357.49 | 1 | 1,084.98 | 1 | 814.12 | 1 | 545.03 | 1 | 272.16 | 1 | 8.18 | 1 | | 1 | |
| 1/4 | 1,896.85 | 1/4 | 1,624.33 | 1/4 | 1,351.82 | 1/4 | 1,079.30 | 1/4 | 808.57 | 1/4 | 539.35 | 1/4 | 266.47 | 1/4 | 4.79 | 1/4 | | 1/4 | |
| 1/2 | 1,891.17 | 1/2 | 1,618.65 | 1/2 | 1,346.14 | 1/2 | 1,073.62 | 1/2 | 803.03 | 1/2 | 533.67 | 1/2 | 260.78 | 1/2 | 3.71 | 1/2 | | 1/2 | |
| 3/4 | 1,885.49 | 3/4 | 1,612.98 | 3/4 | 1,340.46 | 3/4 | 1,067.95 | 3/4 | 797.48 | 3/4 | 527.99 | 3/4 | 255.09 | 3/4 | 2.63 | 3/4 | | 3/4 | |
| 1 | 1,879.81 | 1 | 1,607.30 | 1 | 1,334.78 | 1 | 1,062.27 | 1 | 791.93 | 1 | 522.31 | 1 | 249.40 | 1 | 1.56 | 1 | | 1 | |
| 1/4 | 1,874.14 | 1/4 | 1,601.62 | 1/4 | 1,329.11 | 1/4 | 1,056.59 | 1/4 | 786.38 | 1/4 | 516.63 | 1/4 | 243.70 | 1/4 | 0.48 | 1/4 | | 1/4 | |
| 1/2 | 1,868.46 | 1/2 | 1,595.94 | 1/2 | 1,323.43 | 1/2 | 1,050.91 | 1/2 | 780.83 | 1/2 | 510.95 | 1/2 | 238.01 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,862.78 | 3/4 | 1,590.27 | 3/4 | 1,317.75 | 3/4 | 1,045.24 | 3/4 | 775.28 | 3/4 | 505.27 | 3/4 | 232.32 | 3/4 | | 3/4 | | 3/4 | |
| 1 | 1,857.10 | 1 | 1,584.59 | 1 | 1,312.07 | 1 | 1,039.56 | 1 | 769.73 | 1 | 499.59 | 1 | 226.63 | 1 | | 1 | | 1 | |
| 1/4 | 1,851.43 | 1/4 | 1,578.91 | 1/4 | 1,306.40 | 1/4 | 1,033.88 | 1/4 | 764.14 | 1/4 | 493.91 | 1/4 | 220.94 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,845.75 | 1/2 | 1,573.23 | 1/2 | 1,300.72 | 1/2 | 1,028.20 | 1/2 | 758.63 | 1/2 | 488.23 | 1/2 | 215.24 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,840.07 | 3/4 | 1,567.56 | 3/4 | 1,295.04 | 3/4 | 1,022.53 | 3/4 | 753.09 | 3/4 | 482.55 | 3/4 | 209.55 | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/24/2005 CL - SW
CALCULATED: 05/25/2005 CL
PRINTED: 05/26/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2005

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "KIRBY 11512"

2 CENTER ULLAGE TABLE

GAUGE HEIGHT 17'-10 1/4"

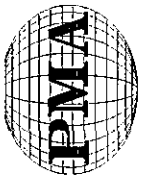
| 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | | 16 FT. | | 17 FT. | | 18 FT. | | 19 FT. | |
|--------|----------|--------|----------|--------|----------|--------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|-----|
| N | IN | N | IN | N | IN | N | IN | N | IN | N | IN | N | IN | N | IN | N | IN | N | IN |
| 0 | 1,931.44 | 0 | 1,682.18 | 0 | 1,432.91 | 0 | 1,183.65 | 0 | 934.39 | 0 | 685.13 | 0 | 435.87 | 0 | 186.61 | 0 | 37.35 | 0 | 0 |
| 1/4 | 1,926.25 | 1/4 | 1,676.99 | 1/4 | 1,427.72 | 1/4 | 1,178.46 | 1/4 | 929.19 | 1/4 | 683.89 | 1/4 | 436.79 | 1/4 | 187.55 | 1/4 | 37.35 | 1/4 | 1/4 |
| 1/2 | 1,921.06 | 1/2 | 1,671.79 | 1/2 | 1,422.53 | 1/2 | 1,173.26 | 1/2 | 924.02 | 1/2 | 682.62 | 1/2 | 437.71 | 1/2 | 188.41 | 1/2 | 37.35 | 1/2 | 1/2 |
| 3/4 | 1,915.86 | 3/4 | 1,666.60 | 3/4 | 1,417.34 | 3/4 | 1,168.07 | 3/4 | 918.81 | 3/4 | 681.35 | 3/4 | 438.63 | 3/4 | 189.22 | 3/4 | 37.35 | 3/4 | 3/4 |
| 1 | 1,910.67 | 1 | 1,661.41 | 1 | 1,412.14 | 1 | 1,162.88 | 1 | 913.61 | 1 | 680.08 | 1 | 439.54 | 1 | 190.03 | 1 | 37.35 | 1 | 1 |
| 1/4 | 1,905.48 | 1/4 | 1,656.21 | 1/4 | 1,406.95 | 1/4 | 1,157.69 | 1/4 | 908.42 | 1/4 | 678.81 | 1/4 | 440.45 | 1/4 | 190.84 | 1/4 | 37.35 | 1/4 | 1/4 |
| 1/2 | 1,900.28 | 1/2 | 1,651.02 | 1/2 | 1,401.76 | 1/2 | 1,152.49 | 1/2 | 903.23 | 1/2 | 677.54 | 1/2 | 441.36 | 1/2 | 191.65 | 1/2 | 37.35 | 1/2 | 1/2 |
| 3/4 | 1,895.09 | 3/4 | 1,645.83 | 3/4 | 1,396.56 | 3/4 | 1,147.30 | 3/4 | 898.04 | 3/4 | 676.27 | 3/4 | 442.27 | 3/4 | 192.46 | 3/4 | 37.35 | 3/4 | 3/4 |
| 2 | 1,889.90 | 2 | 1,640.63 | 2 | 1,391.37 | 2 | 1,142.11 | 2 | 892.84 | 2 | 675.00 | 2 | 443.18 | 2 | 193.27 | 2 | 37.35 | 2 | 2 |
| 1/4 | 1,884.71 | 1/4 | 1,635.44 | 1/4 | 1,386.18 | 1/4 | 1,136.91 | 1/4 | 887.65 | 1/4 | 673.73 | 1/4 | 444.09 | 1/4 | 194.08 | 1/4 | 37.35 | 1/4 | 1/4 |
| 1/2 | 1,879.51 | 1/2 | 1,630.25 | 1/2 | 1,380.98 | 1/2 | 1,131.72 | 1/2 | 882.46 | 1/2 | 672.46 | 1/2 | 445.00 | 1/2 | 194.89 | 1/2 | 37.35 | 1/2 | 1/2 |
| 3/4 | 1,874.32 | 3/4 | 1,625.06 | 3/4 | 1,375.79 | 3/4 | 1,126.53 | 3/4 | 877.26 | 3/4 | 671.19 | 3/4 | 445.91 | 3/4 | 195.70 | 3/4 | 37.35 | 3/4 | 3/4 |
| 3 | 1,869.13 | 3 | 1,619.86 | 3 | 1,370.60 | 3 | 1,121.33 | 3 | 872.07 | 3 | 669.92 | 3 | 446.82 | 3 | 196.51 | 3 | 37.35 | 3 | 3 |
| 1/4 | 1,863.93 | 1/4 | 1,614.67 | 1/4 | 1,365.41 | 1/4 | 1,116.14 | 1/4 | 866.88 | 1/4 | 668.65 | 1/4 | 447.73 | 1/4 | 197.32 | 1/4 | 37.35 | 1/4 | 1/4 |
| 1/2 | 1,858.74 | 1/2 | 1,609.48 | 1/2 | 1,360.21 | 1/2 | 1,110.95 | 1/2 | 861.69 | 1/2 | 667.38 | 1/2 | 448.64 | 1/2 | 198.13 | 1/2 | 37.35 | 1/2 | 1/2 |
| 3/4 | 1,853.55 | 3/4 | 1,604.28 | 3/4 | 1,355.02 | 3/4 | 1,105.76 | 3/4 | 856.50 | 3/4 | 666.11 | 3/4 | 449.55 | 3/4 | 198.94 | 3/4 | 37.35 | 3/4 | 3/4 |
| 4 | 1,848.35 | 4 | 1,599.09 | 4 | 1,349.83 | 4 | 1,100.56 | 4 | 851.30 | 4 | 664.84 | 4 | 450.46 | 4 | 199.75 | 4 | 37.35 | 4 | 4 |
| 1/4 | 1,843.16 | 1/4 | 1,593.90 | 1/4 | 1,344.63 | 1/4 | 1,095.37 | 1/4 | 846.11 | 1/4 | 663.57 | 1/4 | 451.37 | 1/4 | 200.56 | 1/4 | 37.35 | 1/4 | 1/4 |
| 1/2 | 1,837.97 | 1/2 | 1,588.70 | 1/2 | 1,339.44 | 1/2 | 1,090.18 | 1/2 | 840.91 | 1/2 | 662.30 | 1/2 | 452.28 | 1/2 | 201.37 | 1/2 | 37.35 | 1/2 | 1/2 |
| 3/4 | 1,832.78 | 3/4 | 1,583.51 | 3/4 | 1,334.25 | 3/4 | 1,084.98 | 3/4 | 835.72 | 3/4 | 661.03 | 3/4 | 453.19 | 3/4 | 202.18 | 3/4 | 37.35 | 3/4 | 3/4 |
| 5 | 1,827.58 | 5 | 1,578.32 | 5 | 1,329.05 | 5 | 1,079.79 | 5 | 830.53 | 5 | 659.76 | 5 | 454.10 | 5 | 203.00 | 5 | 37.35 | 5 | 5 |
| 1/4 | 1,822.39 | 1/4 | 1,573.13 | 1/4 | 1,323.86 | 1/4 | 1,074.60 | 1/4 | 825.33 | 1/4 | 658.49 | 1/4 | 455.01 | 1/4 | 203.81 | 1/4 | 37.35 | 1/4 | 1/4 |
| 1/2 | 1,817.20 | 1/2 | 1,567.93 | 1/2 | 1,318.67 | 1/2 | 1,069.40 | 1/2 | 820.12 | 1/2 | 657.22 | 1/2 | 455.92 | 1/2 | 204.62 | 1/2 | 37.35 | 1/2 | 1/2 |
| 3/4 | 1,812.00 | 3/4 | 1,562.74 | 3/4 | 1,313.48 | 3/4 | 1,064.21 | 3/4 | 814.91 | 3/4 | 655.95 | 3/4 | 456.83 | 3/4 | 205.43 | 3/4 | 37.35 | 3/4 | 3/4 |
| 6 | 1,806.81 | 6 | 1,557.55 | 6 | 1,308.28 | 6 | 1,059.02 | 6 | 809.70 | 6 | 654.68 | 6 | 457.74 | 6 | 206.24 | 6 | 37.35 | 6 | 6 |
| 1/4 | 1,801.62 | 1/4 | 1,552.35 | 1/4 | 1,303.09 | 1/4 | 1,053.83 | 1/4 | 804.50 | 1/4 | 653.41 | 1/4 | 458.65 | 1/4 | 207.05 | 1/4 | 37.35 | 1/4 | 1/4 |
| 1/2 | 1,796.42 | 1/2 | 1,547.16 | 1/2 | 1,297.90 | 1/2 | 1,048.63 | 1/2 | 799.31 | 1/2 | 652.14 | 1/2 | 459.56 | 1/2 | 207.86 | 1/2 | 37.35 | 1/2 | 1/2 |
| 3/4 | 1,791.23 | 3/4 | 1,541.97 | 3/4 | 1,292.70 | 3/4 | 1,043.44 | 3/4 | 794.12 | 3/4 | 650.87 | 3/4 | 460.47 | 3/4 | 208.67 | 3/4 | 37.35 | 3/4 | 3/4 |
| 7 | 1,786.04 | 7 | 1,536.77 | 7 | 1,287.51 | 7 | 1,038.25 | 7 | 788.93 | 7 | 649.60 | 7 | 461.38 | 7 | 209.48 | 7 | 37.35 | 7 | 7 |
| 1/4 | 1,780.85 | 1/4 | 1,531.58 | 1/4 | 1,282.32 | 1/4 | 1,033.05 | 1/4 | 783.74 | 1/4 | 648.33 | 1/4 | 462.29 | 1/4 | 210.29 | 1/4 | 37.35 | 1/4 | 1/4 |
| 1/2 | 1,775.65 | 1/2 | 1,526.39 | 1/2 | 1,277.12 | 1/2 | 1,027.86 | 1/2 | 778.55 | 1/2 | 647.06 | 1/2 | 463.20 | 1/2 | 211.10 | 1/2 | 37.35 | 1/2 | 1/2 |
| 3/4 | 1,770.46 | 3/4 | 1,521.20 | 3/4 | 1,271.93 | 3/4 | 1,022.67 | 3/4 | 773.36 | 3/4 | 645.79 | 3/4 | 464.11 | 3/4 | 211.91 | 3/4 | 37.35 | 3/4 | 3/4 |
| 8 | 1,765.27 | 8 | 1,516.00 | 8 | 1,266.74 | 8 | 1,017.47 | 8 | 768.17 | 8 | 644.52 | 8 | 465.02 | 8 | 212.72 | 8 | 37.35 | 8 | 8 |
| 1/4 | 1,760.07 | 1/4 | 1,510.81 | 1/4 | 1,261.55 | 1/4 | 1,012.28 | 1/4 | 762.98 | 1/4 | 643.25 | 1/4 | 465.93 | 1/4 | 213.53 | 1/4 | 37.35 | 1/4 | 1/4 |
| 1/2 | 1,754.88 | 1/2 | 1,505.62 | 1/2 | 1,256.35 | 1/2 | 1,007.09 | 1/2 | 757.79 | 1/2 | 641.98 | 1/2 | 466.84 | 1/2 | 214.34 | 1/2 | 37.35 | 1/2 | 1/2 |
| 3/4 | 1,749.69 | 3/4 | 1,500.42 | 3/4 | 1,251.16 | 3/4 | 1,001.90 | 3/4 | 752.60 | 3/4 | 640.71 | 3/4 | 467.75 | 3/4 | 215.15 | 3/4 | 37.35 | 3/4 | 3/4 |
| 9 | 1,744.49 | 9 | 1,495.23 | 9 | 1,245.97 | 9 | 996.70 | 9 | 747.41 | 9 | 639.44 | 9 | 468.66 | 9 | 215.96 | 9 | 37.35 | 9 | 9 |
| 1/4 | 1,739.30 | 1/4 | 1,490.04 | 1/4 | 1,240.77 | 1/4 | 991.51 | 1/4 | 742.22 | 1/4 | 638.17 | 1/4 | 469.57 | 1/4 | 216.77 | 1/4 | 37.35 | 1/4 | 1/4 |
| 1/2 | 1,734.11 | 1/2 | 1,484.84 | 1/2 | 1,235.58 | 1/2 | 986.32 | 1/2 | 737.03 | 1/2 | 636.90 | 1/2 | 470.48 | 1/2 | 217.58 | 1/2 | 37.35 | 1/2 | 1/2 |
| 3/4 | 1,728.92 | 3/4 | 1,479.65 | 3/4 | 1,230.39 | 3/4 | 981.12 | 3/4 | 731.84 | 3/4 | 635.63 | 3/4 | 471.39 | 3/4 | 218.39 | 3/4 | 37.35 | 3/4 | 3/4 |
| 10 | 1,723.72 | 10 | 1,474.46 | 10 | 1,225.19 | 10 | 975.93 | 10 | 726.65 | 10 | 634.36 | 10 | 472.30 | 10 | 219.20 | 10 | 37.35 | 10 | 10 |
| 1/4 | 1,718.53 | 1/4 | 1,469.27 | 1/4 | 1,220.00 | 1/4 | 970.74 | 1/4 | 721.46 | 1/4 | 633.09 | 1/4 | 473.21 | 1/4 | 220.01 | 1/4 | 37.35 | 1/4 | 1/4 |
| 1/2 | 1,713.34 | 1/2 | 1,464.07 | 1/2 | 1,214.81 | 1/2 | 965.54 | 1/2 | 716.27 | 1/2 | 631.82 | 1/2 | 474.12 | 1/2 | 220.82 | 1/2 | 37.35 | 1/2 | 1/2 |
| 3/4 | 1,708.14 | 3/4 | 1,458.88 | 3/4 | 1,209.62 | 3/4 | 960.35 | 3/4 | 711.08 | 3/4 | 630.55 | 3/4 | 475.03 | 3/4 | 221.63 | 3/4 | 37.35 | 3/4 | 3/4 |
| 11 | 1,702.95 | 11 | 1,453.69 | 11 | 1,204.42 | 11 | 955.16 | 11 | 705.89 | 11 | 629.28 | 11 | 475.94 | 11 | 222.44 | 11 | 37.35 | 11 | 11 |
| 1/4 | 1,697.76 | 1/4 | 1,448.49 | 1/4 | 1,199.23 | 1/4 | 949.97 | 1/4 | 700.70 | 1/4 | 628.01 | 1/4 | 476.85 | 1/4 | 223.25 | 1/4 | 37.35 | 1/4 | 1/4 |
| 1/2 | 1,692.56 | 1/2 | 1,443.30 | 1/2 | 1,194.04 | 1/2 | 944.77 | 1/2 | 695.51 | 1/2 | 626.74 | 1/2 | 477.76 | 1/2 | 224.06 | 1/2 | 37.35 | 1/2 | 1/2 |
| 3/4 | 1,687.37 | 3/4 | 1,438.11 | 3/4 | 1,188.84 | 3/4 | 939.58 | 3/4 | 690.32 | 3/4 | 625.47 | 3/4 | 478.67 | 3/4 | 224.87 | 3/4 | 37.35 | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/24/2005 CL - SW
CALCULATED: 05/25/2005 CL
PRINTED: 05/25/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2005

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
http://www.pmacorp.net



BARGE "KIRBY 11512" 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | | |
|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-----|
| IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 27.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 1'-00" OFF CENTERLINE AND 28'-10" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "KIRBY 11512"

3 CENTER ULLAGE TABLE

GAUGE HEIGHT 17'-10 3/4"

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

| IN | 10 FT. | 11 FT. | 12 FT. | 13 FT. | 14 FT. | 15 FT. | 16 FT. | 17 FT. | 18 FT. | 19 FT. | | | | | | | | | |
|--------|----------|--------|----------|--------|----------|--------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0 | 1,935.20 | 0 | 1,697.52 | 0 | 1,439.84 | 0 | 1,192.16 | 0 | 944.48 | 0 | 697.02 | 0 | 449.52 | 0 | 201.85 | 0 | 0 | 0 | 0 |
| 1/4 | 1,930.04 | 1/4 | 1,692.36 | 1/4 | 1,434.68 | 1/4 | 1,187.00 | 1/4 | 939.32 | 1/4 | 691.87 | 1/4 | 444.36 | 1/4 | 196.69 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,924.88 | 1/2 | 1,687.20 | 1/2 | 1,429.52 | 1/2 | 1,181.84 | 1/2 | 934.16 | 1/2 | 686.72 | 1/2 | 439.20 | 1/2 | 191.53 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,919.72 | 3/4 | 1,682.04 | 3/4 | 1,424.36 | 3/4 | 1,176.68 | 3/4 | 929.00 | 3/4 | 681.57 | 3/4 | 434.04 | 3/4 | 186.37 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 1,914.56 | 1 | 1,676.88 | 1 | 1,419.20 | 1 | 1,171.52 | 1 | 923.84 | 1 | 676.42 | 1 | 428.88 | 1 | 181.21 | 1 | 1 | 1 | 1 |
| 1 1/4 | 1,909.40 | 1 1/4 | 1,671.72 | 1 1/4 | 1,414.04 | 1 1/4 | 1,166.36 | 1 1/4 | 918.68 | 1 1/4 | 671.27 | 1 1/4 | 423.72 | 1 1/4 | 176.05 | 1 1/4 | 1 1/4 | 1 1/4 | 1 1/4 |
| 1 1/2 | 1,904.24 | 1 1/2 | 1,666.56 | 1 1/2 | 1,408.88 | 1 1/2 | 1,161.20 | 1 1/2 | 913.52 | 1 1/2 | 666.12 | 1 1/2 | 418.56 | 1 1/2 | 170.89 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 |
| 1 3/4 | 1,899.08 | 1 3/4 | 1,661.40 | 1 3/4 | 1,403.72 | 1 3/4 | 1,156.04 | 1 3/4 | 908.36 | 1 3/4 | 660.97 | 1 3/4 | 413.40 | 1 3/4 | 165.73 | 1 3/4 | 1 3/4 | 1 3/4 | 1 3/4 |
| 2 | 1,893.92 | 2 | 1,656.24 | 2 | 1,398.56 | 2 | 1,150.88 | 2 | 903.20 | 2 | 655.82 | 2 | 408.24 | 2 | 160.57 | 2 | 2 | 2 | 2 |
| 2 1/4 | 1,888.76 | 2 1/4 | 1,651.08 | 2 1/4 | 1,393.40 | 2 1/4 | 1,145.72 | 2 1/4 | 898.04 | 2 1/4 | 650.67 | 2 1/4 | 403.08 | 2 1/4 | 155.41 | 2 1/4 | 2 1/4 | 2 1/4 | 2 1/4 |
| 2 1/2 | 1,883.60 | 2 1/2 | 1,645.92 | 2 1/2 | 1,388.24 | 2 1/2 | 1,140.56 | 2 1/2 | 892.88 | 2 1/2 | 645.52 | 2 1/2 | 397.92 | 2 1/2 | 150.25 | 2 1/2 | 2 1/2 | 2 1/2 | 2 1/2 |
| 2 3/4 | 1,878.44 | 2 3/4 | 1,640.76 | 2 3/4 | 1,383.08 | 2 3/4 | 1,135.40 | 2 3/4 | 887.72 | 2 3/4 | 640.37 | 2 3/4 | 392.76 | 2 3/4 | 145.09 | 2 3/4 | 2 3/4 | 2 3/4 | 2 3/4 |
| 3 | 1,873.28 | 3 | 1,635.60 | 3 | 1,377.92 | 3 | 1,130.24 | 3 | 882.56 | 3 | 635.22 | 3 | 387.60 | 3 | 139.94 | 3 | 3 | 3 | 3 |
| 3 1/4 | 1,868.12 | 3 1/4 | 1,630.44 | 3 1/4 | 1,372.76 | 3 1/4 | 1,125.08 | 3 1/4 | 877.40 | 3 1/4 | 630.07 | 3 1/4 | 382.44 | 3 1/4 | 134.78 | 3 1/4 | 3 1/4 | 3 1/4 | 3 1/4 |
| 3 1/2 | 1,862.96 | 3 1/2 | 1,625.28 | 3 1/2 | 1,367.60 | 3 1/2 | 1,119.92 | 3 1/2 | 872.24 | 3 1/2 | 624.92 | 3 1/2 | 377.28 | 3 1/2 | 129.62 | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 |
| 3 3/4 | 1,857.80 | 3 3/4 | 1,620.12 | 3 3/4 | 1,362.44 | 3 3/4 | 1,114.76 | 3 3/4 | 867.08 | 3 3/4 | 619.77 | 3 3/4 | 372.12 | 3 3/4 | 124.46 | 3 3/4 | 3 3/4 | 3 3/4 | 3 3/4 |
| 4 | 1,852.64 | 4 | 1,614.96 | 4 | 1,357.28 | 4 | 1,109.60 | 4 | 861.92 | 4 | 614.62 | 4 | 366.96 | 4 | 119.30 | 4 | 4 | 4 | 4 |
| 4 1/4 | 1,847.48 | 4 1/4 | 1,609.80 | 4 1/4 | 1,352.12 | 4 1/4 | 1,104.44 | 4 1/4 | 856.76 | 4 1/4 | 609.46 | 4 1/4 | 361.80 | 4 1/4 | 114.14 | 4 1/4 | 4 1/4 | 4 1/4 | 4 1/4 |
| 4 1/2 | 1,842.32 | 4 1/2 | 1,604.64 | 4 1/2 | 1,346.96 | 4 1/2 | 1,099.28 | 4 1/2 | 851.60 | 4 1/2 | 604.31 | 4 1/2 | 356.64 | 4 1/2 | 108.98 | 4 1/2 | 4 1/2 | 4 1/2 | 4 1/2 |
| 4 3/4 | 1,837.16 | 4 3/4 | 1,599.48 | 4 3/4 | 1,341.80 | 4 3/4 | 1,094.12 | 4 3/4 | 846.44 | 4 3/4 | 599.15 | 4 3/4 | 351.48 | 4 3/4 | 103.82 | 4 3/4 | 4 3/4 | 4 3/4 | 4 3/4 |
| 5 | 1,832.00 | 5 | 1,594.32 | 5 | 1,336.64 | 5 | 1,088.96 | 5 | 841.28 | 5 | 593.99 | 5 | 346.32 | 5 | 98.66 | 5 | 5 | 5 | 5 |
| 5 1/4 | 1,826.84 | 5 1/4 | 1,589.16 | 5 1/4 | 1,331.48 | 5 1/4 | 1,083.80 | 5 1/4 | 836.12 | 5 1/4 | 588.83 | 5 1/4 | 341.16 | 5 1/4 | 93.50 | 5 1/4 | 5 1/4 | 5 1/4 | 5 1/4 |
| 5 1/2 | 1,821.68 | 5 1/2 | 1,584.00 | 5 1/2 | 1,326.32 | 5 1/2 | 1,078.64 | 5 1/2 | 830.96 | 5 1/2 | 583.67 | 5 1/2 | 336.00 | 5 1/2 | 88.34 | 5 1/2 | 5 1/2 | 5 1/2 | 5 1/2 |
| 5 3/4 | 1,816.52 | 5 3/4 | 1,578.84 | 5 3/4 | 1,321.16 | 5 3/4 | 1,073.48 | 5 3/4 | 825.80 | 5 3/4 | 578.51 | 5 3/4 | 330.84 | 5 3/4 | 83.18 | 5 3/4 | 5 3/4 | 5 3/4 | 5 3/4 |
| 6 | 1,811.36 | 6 | 1,573.68 | 6 | 1,316.00 | 6 | 1,068.32 | 6 | 820.64 | 6 | 573.35 | 6 | 325.68 | 6 | 78.02 | 6 | 6 | 6 | 6 |
| 6 1/4 | 1,806.20 | 6 1/4 | 1,568.52 | 6 1/4 | 1,310.84 | 6 1/4 | 1,063.16 | 6 1/4 | 815.49 | 6 1/4 | 568.19 | 6 1/4 | 320.52 | 6 1/4 | 72.86 | 6 1/4 | 6 1/4 | 6 1/4 | 6 1/4 |
| 6 1/2 | 1,801.04 | 6 1/2 | 1,563.36 | 6 1/2 | 1,305.68 | 6 1/2 | 1,058.00 | 6 1/2 | 810.33 | 6 1/2 | 563.03 | 6 1/2 | 315.36 | 6 1/2 | 67.70 | 6 1/2 | 6 1/2 | 6 1/2 | 6 1/2 |
| 6 3/4 | 1,795.88 | 6 3/4 | 1,558.20 | 6 3/4 | 1,300.52 | 6 3/4 | 1,052.84 | 6 3/4 | 805.18 | 6 3/4 | 557.86 | 6 3/4 | 310.21 | 6 3/4 | 62.54 | 6 3/4 | 6 3/4 | 6 3/4 | 6 3/4 |
| 7 | 1,790.72 | 7 | 1,553.04 | 7 | 1,295.36 | 7 | 1,047.68 | 7 | 800.02 | 7 | 552.71 | 7 | 305.05 | 7 | 57.38 | 7 | 7 | 7 | 7 |
| 7 1/4 | 1,785.56 | 7 1/4 | 1,547.88 | 7 1/4 | 1,290.20 | 7 1/4 | 1,042.52 | 7 1/4 | 794.87 | 7 1/4 | 547.55 | 7 1/4 | 299.89 | 7 1/4 | 52.22 | 7 1/4 | 7 1/4 | 7 1/4 | 7 1/4 |
| 7 1/2 | 1,780.40 | 7 1/2 | 1,542.72 | 7 1/2 | 1,285.04 | 7 1/2 | 1,037.36 | 7 1/2 | 789.72 | 7 1/2 | 542.39 | 7 1/2 | 294.73 | 7 1/2 | 47.06 | 7 1/2 | 7 1/2 | 7 1/2 | 7 1/2 |
| 7 3/4 | 1,775.24 | 7 3/4 | 1,537.56 | 7 3/4 | 1,279.88 | 7 3/4 | 1,032.20 | 7 3/4 | 784.57 | 7 3/4 | 537.23 | 7 3/4 | 289.57 | 7 3/4 | 41.90 | 7 3/4 | 7 3/4 | 7 3/4 | 7 3/4 |
| 8 | 1,770.08 | 8 | 1,532.40 | 8 | 1,274.72 | 8 | 1,027.04 | 8 | 779.42 | 8 | 532.07 | 8 | 284.41 | 8 | 37.17 | 8 | 8 | 8 | 8 |
| 8 1/4 | 1,764.92 | 8 1/4 | 1,527.24 | 8 1/4 | 1,269.56 | 8 1/4 | 1,021.88 | 8 1/4 | 774.27 | 8 1/4 | 526.91 | 8 1/4 | 279.25 | 8 1/4 | 32.44 | 8 1/4 | 8 1/4 | 8 1/4 | 8 1/4 |
| 8 1/2 | 1,759.76 | 8 1/2 | 1,522.08 | 8 1/2 | 1,264.40 | 8 1/2 | 1,016.72 | 8 1/2 | 769.12 | 8 1/2 | 521.75 | 8 1/2 | 274.09 | 8 1/2 | 27.71 | 8 1/2 | 8 1/2 | 8 1/2 | 8 1/2 |
| 8 3/4 | 1,754.60 | 8 3/4 | 1,516.92 | 8 3/4 | 1,259.24 | 8 3/4 | 1,011.56 | 8 3/4 | 763.97 | 8 3/4 | 516.59 | 8 3/4 | 268.93 | 8 3/4 | 22.98 | 8 3/4 | 8 3/4 | 8 3/4 | 8 3/4 |
| 9 | 1,749.44 | 9 | 1,511.76 | 9 | 1,254.08 | 9 | 1,006.40 | 9 | 758.82 | 9 | 511.43 | 9 | 263.77 | 9 | 19.54 | 9 | 9 | 9 | 9 |
| 9 1/4 | 1,744.28 | 9 1/4 | 1,506.60 | 9 1/4 | 1,248.92 | 9 1/4 | 1,001.24 | 9 1/4 | 753.67 | 9 1/4 | 506.27 | 9 1/4 | 258.61 | 9 1/4 | 16.10 | 9 1/4 | 9 1/4 | 9 1/4 | 9 1/4 |
| 9 1/2 | 1,739.12 | 9 1/2 | 1,491.44 | 9 1/2 | 1,243.76 | 9 1/2 | 996.08 | 9 1/2 | 748.52 | 9 1/2 | 501.11 | 9 1/2 | 253.45 | 9 1/2 | 12.66 | 9 1/2 | 9 1/2 | 9 1/2 | 9 1/2 |
| 9 3/4 | 1,733.96 | 9 3/4 | 1,486.28 | 9 3/4 | 1,238.60 | 9 3/4 | 990.92 | 9 3/4 | 743.37 | 9 3/4 | 495.95 | 9 3/4 | 248.29 | 9 3/4 | 9.22 | 9 3/4 | 9 3/4 | 9 3/4 | 9 3/4 |
| 10 | 1,728.80 | 10 | 1,481.12 | 10 | 1,233.44 | 10 | 985.76 | 10 | 738.22 | 10 | 490.79 | 10 | 243.13 | 10 | 7.50 | 10 | 10 | 10 | 10 |
| 10 1/4 | 1,723.64 | 10 1/4 | 1,475.96 | 10 1/4 | 1,228.28 | 10 1/4 | 980.60 | 10 1/4 | 733.07 | 10 1/4 | 485.63 | 10 1/4 | 237.97 | 10 1/4 | 5.78 | 10 1/4 | 10 1/4 | 10 1/4 | 10 1/4 |
| 10 1/2 | 1,718.48 | 10 1/2 | 1,470.80 | 10 1/2 | 1,223.12 | 10 1/2 | 975.44 | 10 1/2 | 727.92 | 10 1/2 | 480.48 | 10 1/2 | 232.81 | 10 1/2 | 4.06 | 10 1/2 | 10 1/2 | 10 1/2 | 10 1/2 |
| 10 3/4 | 1,713.32 | 10 3/4 | 1,465.64 | 10 3/4 | 1,217.96 | 10 3/4 | 970.28 | 10 3/4 | 722.77 | 10 3/4 | 475.32 | 10 3/4 | 227.65 | 10 3/4 | 2.34 | 10 3/4 | 10 3/4 | 10 3/4 | 10 3/4 |
| 11 | 1,708.16 | 11 | 1,460.48 | 11 | 1,212.80 | 11 | 965.12 | 11 | 717.62 | 11 | 470.16 | 11 | 222.49 | 11 | 0.62 | 11 | 11 | 11 | 11 |
| 11 1/4 | 1,703.00 | 11 1/4 | 1,455.32 | 11 1/4 | 1,207.64 | 11 1/4 | 959.96 | 11 1/4 | 712.47 | 11 1/4 | 465.00 | 11 1/4 | 217.33 | 11 1/4 | 0.00 | 11 1/4 | 11 1/4 | 11 1/4 | 11 1/4 |
| 11 1/2 | 1,697.84 | 11 1/2 | 1,450.16 | 11 1/2 | 1,202.48 | 11 1/2 | 954.80 | 11 1/2 | 707.32 | 11 1/2 | 459.84 | 11 1/2 | 212.17 | 11 1/2 | 0.00 | 11 1/2 | 11 1/2 | 11 1/2 | 11 1/2 |
| 11 3/4 | 1,692.68 | 11 3/4 | 1,445.00 | 11 3/4 | 1,197.32 | 11 3/4 | 949.64 | 11 3/4 | 702.17 | 11 3/4 | 454.68 | 11 3/4 | 207.01 | 11 3/4 | 0.00 | 11 3/4 | 11 3/4 | 11 3/4 | 11 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/24/2005 CL - SW
 CALCULATED: 05/25/2005 CL
 PRINTED: 05/25/2005 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 05/2005

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