



BARGE "KIRBY 28106"

ULLAGE TRIM TABLE

| | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | |
|--------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|
| | BOW | STERN | BOW | STERN | BOW | STERN | BOW | STERN | BOW | STERN | BOW | STERN |
| 1 PORT | 00-1/2 | -00-1/2 | 00-7/8 | -00-7/8 | 01-3/8 | -01-3/8 | 01-3/4 | -01-3/4 | 02-1/4 | -02-1/4 | 02-5/8 | -02-5/8 |
| 1 STBD | 00-1/2 | -00-1/2 | 00-7/8 | -00-7/8 | 01-3/8 | -01-3/8 | 01-3/4 | -01-3/4 | 02-1/4 | -02-1/4 | 02-5/8 | -02-5/8 |
| 2 PORT | 00-1/2 | -00-1/2 | 00-7/8 | -00-7/8 | 01-3/8 | -01-3/8 | 01-3/4 | -01-3/4 | 02-1/4 | -02-1/4 | 02-5/8 | -02-5/8 |
| 2 STBD | 00-1/2 | -00-1/2 | 00-7/8 | -00-7/8 | 01-3/8 | -01-3/8 | 01-3/4 | -01-3/4 | 02-1/4 | -02-1/4 | 02-5/8 | -02-5/8 |
| 3 PORT | 00-3/8 | -00-3/8 | 00-7/8 | -00-7/8 | 01-1/4 | -01-1/4 | 01-3/4 | -01-3/4 | 02-1/8 | -02-1/8 | 02-1/2 | -02-1/2 |
| 3 STBD | 00-3/8 | -00-3/8 | 00-7/8 | -00-7/8 | 01-1/4 | -01-1/4 | 01-3/4 | -01-3/4 | 02-1/8 | -02-1/8 | 02-1/2 | -02-1/2 |

(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 PORT IS -00-7/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 1/8"

LENGTH BETWEEN DRAFT MARKS: 241'-09"

June 19, 2009

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

<http://www.pmacorp.net>



BARGE "KIRBY 28106"

1 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

| 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | | 16 FT. | | 17 FT. | | 18 FT. | | 19 FT. | |
|--------|----------|--------|----------|--------|----------|--------|----------|--------|--------|--------|--------|--------|--------|--------|-----|--------|-----|--------|-----|
| IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 |
| 0 | 2,350.41 | 0 | 1,983.74 | 0 | 1,617.05 | 0 | 1,251.02 | 0 | 886.56 | 0 | 520.14 | 0 | 174.99 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1/4 | 2,342.77 | 1/4 | 1,976.10 | 1/4 | 1,609.41 | 1/4 | 1,243.38 | 1/4 | 878.98 | 1/4 | 512.50 | 1/4 | 168.29 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,335.13 | 1/2 | 1,968.46 | 1/2 | 1,601.78 | 1/2 | 1,235.74 | 1/2 | 871.38 | 1/2 | 504.88 | 1/2 | 161.67 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,327.49 | 3/4 | 1,960.82 | 3/4 | 1,594.14 | 3/4 | 1,228.10 | 3/4 | 863.78 | 3/4 | 497.26 | 3/4 | 155.05 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 2,319.85 | 1 | 1,953.18 | 1 | 1,586.50 | 1 | 1,220.46 | 1 | 856.18 | 1 | 489.64 | 1 | 148.43 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 2,312.21 | 1/4 | 1,945.54 | 1/4 | 1,578.86 | 1/4 | 1,212.82 | 1/4 | 848.59 | 1/4 | 482.02 | 1/4 | 141.82 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,304.57 | 1/2 | 1,937.90 | 1/2 | 1,571.22 | 1/2 | 1,205.20 | 1/2 | 840.96 | 1/2 | 474.47 | 1/2 | 135.29 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,296.93 | 3/4 | 1,930.27 | 3/4 | 1,563.58 | 3/4 | 1,197.57 | 3/4 | 833.34 | 3/4 | 466.91 | 3/4 | 128.76 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 2,289.30 | 2 | 1,922.63 | 2 | 1,555.94 | 2 | 1,189.95 | 2 | 825.71 | 2 | 459.36 | 2 | 122.24 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 2,281.66 | 1/4 | 1,914.99 | 1/4 | 1,548.30 | 1/4 | 1,182.32 | 1/4 | 818.09 | 1/4 | 451.80 | 1/4 | 115.71 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,274.02 | 1/2 | 1,907.35 | 1/2 | 1,540.66 | 1/2 | 1,174.72 | 1/2 | 810.45 | 1/2 | 444.33 | 1/2 | 109.28 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,266.38 | 3/4 | 1,899.71 | 3/4 | 1,533.02 | 3/4 | 1,167.13 | 3/4 | 802.81 | 3/4 | 436.86 | 3/4 | 102.85 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 2,258.74 | 3 | 1,892.07 | 3 | 1,525.38 | 3 | 1,159.53 | 3 | 795.17 | 3 | 429.39 | 3 | 96.42 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 2,251.10 | 1/4 | 1,884.43 | 1/4 | 1,517.74 | 1/4 | 1,151.93 | 1/4 | 787.53 | 1/4 | 421.92 | 1/4 | 89.99 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,243.46 | 1/2 | 1,876.79 | 1/2 | 1,510.10 | 1/2 | 1,144.35 | 1/2 | 779.89 | 1/2 | 414.54 | 1/2 | 83.67 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,235.82 | 3/4 | 1,869.15 | 3/4 | 1,502.46 | 3/4 | 1,136.76 | 3/4 | 772.25 | 3/4 | 407.15 | 3/4 | 77.35 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 2,228.18 | 4 | 1,861.51 | 4 | 1,494.82 | 4 | 1,129.18 | 4 | 764.61 | 4 | 399.77 | 4 | 71.02 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 2,220.54 | 1/4 | 1,853.87 | 1/4 | 1,487.19 | 1/4 | 1,121.59 | 1/4 | 756.97 | 1/4 | 392.38 | 1/4 | 64.70 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,212.91 | 1/2 | 1,846.23 | 1/2 | 1,479.56 | 1/2 | 1,114.01 | 1/2 | 749.33 | 1/2 | 385.08 | 1/2 | 58.49 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,205.27 | 3/4 | 1,838.59 | 3/4 | 1,471.93 | 3/4 | 1,106.43 | 3/4 | 741.69 | 3/4 | 377.78 | 3/4 | 52.29 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 2,197.63 | 5 | 1,830.95 | 5 | 1,464.31 | 5 | 1,098.85 | 5 | 734.05 | 5 | 370.48 | 5 | 46.08 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 2,189.99 | 1/4 | 1,823.31 | 1/4 | 1,456.68 | 1/4 | 1,091.27 | 1/4 | 726.41 | 1/4 | 363.18 | 1/4 | 39.88 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,182.35 | 1/2 | 1,815.68 | 1/2 | 1,449.07 | 1/2 | 1,083.69 | 1/2 | 718.77 | 1/2 | 355.97 | 1/2 | 34.37 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,174.71 | 3/4 | 1,808.04 | 3/4 | 1,441.46 | 3/4 | 1,076.11 | 3/4 | 711.13 | 3/4 | 348.75 | 3/4 | 28.86 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 2,167.07 | 6 | 1,800.40 | 6 | 1,433.85 | 6 | 1,068.52 | 6 | 703.49 | 6 | 341.53 | 6 | 23.35 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 2,159.43 | 1/4 | 1,792.76 | 1/4 | 1,426.24 | 1/4 | 1,060.94 | 1/4 | 695.85 | 1/4 | 334.32 | 1/4 | 17.84 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,151.79 | 1/2 | 1,785.12 | 1/2 | 1,418.63 | 1/2 | 1,053.36 | 1/2 | 688.22 | 1/2 | 327.19 | 1/2 | 14.28 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,144.15 | 3/4 | 1,777.48 | 3/4 | 1,411.01 | 3/4 | 1,045.78 | 3/4 | 680.58 | 3/4 | 320.06 | 3/4 | 10.72 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 2,136.52 | 7 | 1,769.84 | 7 | 1,403.40 | 7 | 1,038.20 | 7 | 672.94 | 7 | 312.93 | 7 | 7.15 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 2,128.88 | 1/4 | 1,762.20 | 1/4 | 1,395.79 | 1/4 | 1,030.62 | 1/4 | 665.30 | 1/4 | 305.80 | 1/4 | 3.59 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,121.24 | 1/2 | 1,754.56 | 1/2 | 1,388.18 | 1/2 | 1,023.03 | 1/2 | 657.66 | 1/2 | 298.75 | 1/2 | 0 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,113.60 | 3/4 | 1,746.92 | 3/4 | 1,380.57 | 3/4 | 1,015.45 | 3/4 | 650.02 | 3/4 | 291.71 | 3/4 | 0 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 2,105.96 | 8 | 1,739.28 | 8 | 1,372.95 | 8 | 1,007.87 | 8 | 642.38 | 8 | 284.66 | 8 | 0 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 2,098.32 | 1/4 | 1,731.64 | 1/4 | 1,365.34 | 1/4 | 1,000.29 | 1/4 | 634.74 | 1/4 | 277.62 | 1/4 | 0 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,090.68 | 1/2 | 1,724.00 | 1/2 | 1,357.73 | 1/2 | 992.71 | 1/2 | 627.10 | 1/2 | 270.66 | 1/2 | 0 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,083.04 | 3/4 | 1,716.36 | 3/4 | 1,350.12 | 3/4 | 985.13 | 3/4 | 619.46 | 3/4 | 263.70 | 3/4 | 0 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 2,075.40 | 9 | 1,708.73 | 9 | 1,342.51 | 9 | 977.55 | 9 | 611.82 | 9 | 256.73 | 9 | 0 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 2,067.76 | 1/4 | 1,701.09 | 1/4 | 1,334.89 | 1/4 | 969.96 | 1/4 | 604.18 | 1/4 | 249.77 | 1/4 | 0 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,060.13 | 1/2 | 1,693.45 | 1/2 | 1,327.28 | 1/2 | 962.38 | 1/2 | 596.54 | 1/2 | 242.90 | 1/2 | 0 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,052.49 | 3/4 | 1,685.81 | 3/4 | 1,319.67 | 3/4 | 954.80 | 3/4 | 588.90 | 3/4 | 236.02 | 3/4 | 0 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 2,044.85 | 10 | 1,678.17 | 10 | 1,312.06 | 10 | 947.22 | 10 | 581.26 | 10 | 229.15 | 10 | 0 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 2,037.21 | 1/4 | 1,670.53 | 1/4 | 1,304.45 | 1/4 | 939.64 | 1/4 | 573.62 | 1/4 | 222.27 | 1/4 | 0 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,029.57 | 1/2 | 1,662.89 | 1/2 | 1,296.82 | 1/2 | 932.06 | 1/2 | 565.98 | 1/2 | 215.48 | 1/2 | 0 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,021.93 | 3/4 | 1,655.25 | 3/4 | 1,289.19 | 3/4 | 924.48 | 3/4 | 558.34 | 3/4 | 208.69 | 3/4 | 0 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 2,014.29 | 11 | 1,647.61 | 11 | 1,281.57 | 11 | 916.89 | 11 | 550.70 | 11 | 201.90 | 11 | 0 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 2,006.65 | 1/4 | 1,639.97 | 1/4 | 1,273.94 | 1/4 | 909.31 | 1/4 | 543.06 | 1/4 | 195.11 | 1/4 | 0 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,999.01 | 1/2 | 1,632.33 | 1/2 | 1,266.30 | 1/2 | 901.73 | 1/2 | 535.42 | 1/2 | 188.40 | 1/2 | 0 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,991.38 | 3/4 | 1,624.69 | 3/4 | 1,258.66 | 3/4 | 894.15 | 3/4 | 527.78 | 3/4 | 181.70 | 3/4 | 0 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/18/2009 CL - SW
 CALCULATED: 06/19/2009 CL
 PRINTED: 06/19/2009 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 06/2009

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



BARGE "KIRBY 28106"

1 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

| 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | | 16 FT. | | 17 FT. | | 18 FT. | | 19 FT. | | |
|--------|----------|--------|----------|--------|----------|--------|----------|--------|--------|--------|--------|--------|--------|--------|-----|--------|-----|--------|-----|-----|
| IN | 0 | 1/4 | 1/2 | 3/4 | 1 | 1/4 | 1/2 | 3/4 | 1 | 1/4 | 1/2 | 3/4 | 1 | 1/4 | 1/2 | 3/4 | 1 | 1/4 | 1/2 | |
| 0 | 2,341.93 | 0 | 1,975.61 | 0 | 1,609.27 | 0 | 1,243.59 | 0 | 878.31 | 0 | 512.00 | 0 | 188.12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1/4 | 2,334.30 | 1/4 | 1,967.98 | 1/4 | 1,601.64 | 1/4 | 1,235.96 | 1/4 | 870.69 | 1/4 | 504.39 | 1/4 | 181.51 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,326.67 | 1/2 | 1,960.35 | 1/2 | 1,594.01 | 1/2 | 1,228.32 | 1/2 | 863.07 | 1/2 | 496.78 | 1/2 | 184.90 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,319.04 | 3/4 | 1,952.71 | 3/4 | 1,586.38 | 3/4 | 1,220.69 | 3/4 | 855.45 | 3/4 | 489.17 | 3/4 | 148.29 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 2,311.40 | 1 | 1,945.08 | 1 | 1,578.75 | 1 | 1,213.06 | 1 | 847.83 | 1 | 481.56 | 1 | 141.68 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 2,303.77 | 1/4 | 1,937.45 | 1/4 | 1,571.11 | 1/4 | 1,205.43 | 1/4 | 840.20 | 1/4 | 474.01 | 1/4 | 135.16 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,296.14 | 1/2 | 1,929.82 | 1/2 | 1,563.48 | 1/2 | 1,197.79 | 1/2 | 832.57 | 1/2 | 466.46 | 1/2 | 128.64 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,288.51 | 3/4 | 1,922.19 | 3/4 | 1,555.85 | 3/4 | 1,190.16 | 3/4 | 824.93 | 3/4 | 458.91 | 3/4 | 122.12 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 2,280.88 | 1 | 1,914.55 | 1 | 1,548.22 | 1 | 1,182.53 | 1 | 817.30 | 1 | 451.37 | 1 | 115.60 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 2,273.25 | 1/4 | 1,906.92 | 1/4 | 1,540.59 | 1/4 | 1,174.91 | 1/4 | 809.67 | 1/4 | 443.90 | 1/4 | 109.17 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,265.61 | 1/2 | 1,899.29 | 1/2 | 1,532.95 | 1/2 | 1,167.29 | 1/2 | 802.04 | 1/2 | 436.44 | 1/2 | 102.75 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,257.98 | 3/4 | 1,891.66 | 3/4 | 1,525.32 | 3/4 | 1,159.67 | 3/4 | 794.41 | 3/4 | 428.98 | 3/4 | 96.33 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 2,250.35 | 1 | 1,884.03 | 1 | 1,517.69 | 1 | 1,152.05 | 1 | 786.77 | 1 | 421.51 | 1 | 89.91 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 2,242.72 | 1/4 | 1,876.39 | 1/4 | 1,510.06 | 1/4 | 1,144.44 | 1/4 | 779.14 | 1/4 | 414.14 | 1/4 | 83.59 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,235.09 | 1/2 | 1,868.76 | 1/2 | 1,502.43 | 1/2 | 1,136.84 | 1/2 | 771.51 | 1/2 | 406.76 | 1/2 | 77.27 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,227.46 | 3/4 | 1,861.13 | 3/4 | 1,494.79 | 3/4 | 1,129.23 | 3/4 | 763.88 | 3/4 | 399.38 | 3/4 | 70.95 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 2,219.82 | 1 | 1,853.50 | 1 | 1,487.16 | 1 | 1,121.63 | 1 | 756.24 | 1 | 392.00 | 1 | 64.63 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 2,212.19 | 1/4 | 1,845.87 | 1/4 | 1,479.54 | 1/4 | 1,114.02 | 1/4 | 748.61 | 1/4 | 384.71 | 1/4 | 58.43 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,204.56 | 1/2 | 1,838.23 | 1/2 | 1,471.93 | 1/2 | 1,106.42 | 1/2 | 740.98 | 1/2 | 377.42 | 1/2 | 52.23 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,196.93 | 3/4 | 1,830.60 | 3/4 | 1,464.31 | 3/4 | 1,098.82 | 3/4 | 733.35 | 3/4 | 370.12 | 3/4 | 46.03 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 2,189.30 | 1 | 1,822.97 | 1 | 1,456.69 | 1 | 1,091.21 | 1 | 725.71 | 1 | 362.83 | 1 | 39.83 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 2,181.66 | 1/4 | 1,815.34 | 1/4 | 1,449.08 | 1/4 | 1,083.61 | 1/4 | 718.08 | 1/4 | 355.62 | 1/4 | 34.33 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,174.03 | 1/2 | 1,807.71 | 1/2 | 1,441.48 | 1/2 | 1,076.01 | 1/2 | 710.45 | 1/2 | 348.41 | 1/2 | 28.83 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,166.40 | 3/4 | 1,800.07 | 3/4 | 1,433.88 | 3/4 | 1,068.40 | 3/4 | 702.82 | 3/4 | 341.20 | 3/4 | 23.32 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 2,158.77 | 1 | 1,792.44 | 1 | 1,426.27 | 1 | 1,060.80 | 1 | 695.19 | 1 | 333.99 | 1 | 17.82 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 2,151.14 | 1/4 | 1,784.81 | 1/4 | 1,418.67 | 1/4 | 1,053.20 | 1/4 | 687.55 | 1/4 | 326.87 | 1/4 | 14.26 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,143.51 | 1/2 | 1,777.18 | 1/2 | 1,411.06 | 1/2 | 1,045.59 | 1/2 | 679.92 | 1/2 | 319.75 | 1/2 | 10.70 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,135.87 | 3/4 | 1,769.55 | 3/4 | 1,403.46 | 3/4 | 1,037.99 | 3/4 | 672.29 | 3/4 | 312.62 | 3/4 | 7.14 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 2,128.24 | 1 | 1,761.91 | 1 | 1,395.85 | 1 | 1,030.39 | 1 | 664.66 | 1 | 305.50 | 1 | 3.59 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 2,120.61 | 1/4 | 1,754.28 | 1/4 | 1,388.25 | 1/4 | 1,022.78 | 1/4 | 657.02 | 1/4 | 298.46 | 1/4 | 0.00 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,112.98 | 1/2 | 1,746.65 | 1/2 | 1,380.64 | 1/2 | 1,015.18 | 1/2 | 649.39 | 1/2 | 291.42 | 1/2 | 0.00 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,105.35 | 3/4 | 1,739.02 | 3/4 | 1,373.04 | 3/4 | 1,007.58 | 3/4 | 641.76 | 3/4 | 284.38 | 3/4 | 0.00 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 2,097.72 | 1 | 1,731.39 | 1 | 1,365.43 | 1 | 999.97 | 1 | 634.13 | 1 | 277.35 | 1 | 0.00 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 2,090.08 | 1/4 | 1,723.75 | 1/4 | 1,357.83 | 1/4 | 992.37 | 1/4 | 626.49 | 1/4 | 270.39 | 1/4 | 0.00 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,082.45 | 1/2 | 1,716.12 | 1/2 | 1,350.22 | 1/2 | 984.77 | 1/2 | 618.86 | 1/2 | 263.44 | 1/2 | 0.00 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,074.82 | 3/4 | 1,708.49 | 3/4 | 1,342.62 | 3/4 | 977.16 | 3/4 | 611.23 | 3/4 | 256.48 | 3/4 | 0.00 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 2,067.19 | 1 | 1,700.86 | 1 | 1,335.01 | 1 | 969.56 | 1 | 603.60 | 1 | 249.53 | 1 | 0.00 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 2,059.56 | 1/4 | 1,693.23 | 1/4 | 1,327.41 | 1/4 | 961.96 | 1/4 | 595.96 | 1/4 | 242.66 | 1/4 | 0.00 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,051.93 | 1/2 | 1,685.59 | 1/2 | 1,319.80 | 1/2 | 954.35 | 1/2 | 588.33 | 1/2 | 235.79 | 1/2 | 0.00 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,044.29 | 3/4 | 1,677.96 | 3/4 | 1,312.20 | 3/4 | 946.75 | 3/4 | 580.70 | 3/4 | 228.92 | 3/4 | 0.00 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 2,036.66 | 1 | 1,670.33 | 1 | 1,304.59 | 1 | 939.15 | 1 | 573.07 | 1 | 222.05 | 1 | 0.00 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 2,029.03 | 1/4 | 1,662.70 | 1/4 | 1,296.98 | 1/4 | 931.54 | 1/4 | 565.43 | 1/4 | 215.27 | 1/4 | 0.00 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,021.40 | 1/2 | 1,655.07 | 1/2 | 1,289.36 | 1/2 | 923.94 | 1/2 | 557.80 | 1/2 | 208.49 | 1/2 | 0.00 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,013.77 | 3/4 | 1,647.43 | 3/4 | 1,281.74 | 3/4 | 916.34 | 3/4 | 550.17 | 3/4 | 201.70 | 3/4 | 0.00 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 2,006.14 | 1 | 1,639.80 | 1 | 1,274.12 | 1 | 908.73 | 1 | 542.53 | 1 | 194.92 | 1 | 0.00 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 1,998.50 | 1/4 | 1,632.17 | 1/4 | 1,266.49 | 1/4 | 901.13 | 1/4 | 534.90 | 1/4 | 188.22 | 1/4 | 0.00 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,990.87 | 1/2 | 1,624.54 | 1/2 | 1,258.85 | 1/2 | 893.52 | 1/2 | 527.27 | 1/2 | 181.52 | 1/2 | 0.00 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,983.24 | 3/4 | 1,616.91 | 3/4 | 1,251.22 | 3/4 | 885.92 | 3/4 | 519.64 | 3/4 | 174.82 | 3/4 | 0.00 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/18/2009 CL - SW
 CALCULATED: 06/19/2009 CL
 PRINTED: 06/19/2009 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 06/2009

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2082
 Pearland, Texas 77588
 http://www.pmacorp.net



BARGE "KIRBY 28106"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN 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 |
| 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 |
| 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 |
| 1/4 | 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 |
| 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 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 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 |
| 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 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 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 |
| 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 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 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 |
| 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 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 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 |
| 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 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 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 |
| 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 |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 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 |
| 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 |
| 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 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 |
| 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 |
| 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 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 |
| 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 |
| 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 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 |
| 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 |
| 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 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 |
| 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 |
| 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 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 12'-09" OFF CENTERLINE AND 52'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28106"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

| 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | | 16 FT. | | 17 FT. | | 18 FT. | | 19 FT. | |
|--------|----------|--------|----------|--------|----------|--------|----------|--------|--------|--------|--------|--------|--------|--------|---|--------|---|--------|---|
| IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 |
| 0 | 2,366.74 | 0 | 2,002.94 | 0 | 1,639.13 | 0 | 1,279.19 | 0 | 929.41 | 0 | 568.33 | 0 | 204.48 | 0 | | 0 | | | |
| 1/4 | 2,359.16 | 1/4 | 1,995.36 | 1/4 | 1,631.55 | 1/4 | 1,271.61 | 1/4 | 922.15 | 1/4 | 560.75 | 1/4 | 196.90 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,351.58 | 1/2 | 1,987.78 | 1/2 | 1,623.97 | 1/2 | 1,264.03 | 1/2 | 914.88 | 1/2 | 553.17 | 1/2 | 189.33 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,344.01 | 3/4 | 1,980.20 | 3/4 | 1,616.39 | 3/4 | 1,256.45 | 3/4 | 907.62 | 3/4 | 545.59 | 3/4 | 181.75 | 3/4 | | 3/4 | | 3/4 | |
| 1 | 2,336.43 | 1 | 1,972.62 | 1 | 1,608.81 | 1 | 1,249.02 | 1 | 900.34 | 1 | 538.01 | 1 | 174.18 | 1 | | 1 | | 1 | |
| 1/4 | 2,328.85 | 1/4 | 1,965.04 | 1/4 | 1,601.23 | 1/4 | 1,241.59 | 1/4 | 893.06 | 1/4 | 530.43 | 1/4 | 166.61 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,321.27 | 1/2 | 1,957.46 | 1/2 | 1,593.65 | 1/2 | 1,234.17 | 1/2 | 885.78 | 1/2 | 522.85 | 1/2 | 159.04 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,313.69 | 3/4 | 1,949.88 | 3/4 | 1,586.07 | 3/4 | 1,226.74 | 3/4 | 878.50 | 3/4 | 515.27 | 3/4 | 151.47 | 3/4 | | 3/4 | | 3/4 | |
| 2 | 2,306.11 | 2 | 1,942.30 | 2 | 1,578.49 | 2 | 1,219.47 | 2 | 871.07 | 2 | 507.69 | 2 | 143.91 | 2 | | 2 | | 2 | |
| 1/4 | 2,298.53 | 1/4 | 1,934.72 | 1/4 | 1,570.91 | 1/4 | 1,212.04 | 1/4 | 863.64 | 1/4 | 500.11 | 1/4 | 136.35 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,290.95 | 1/2 | 1,927.14 | 1/2 | 1,563.33 | 1/2 | 1,204.94 | 1/2 | 856.22 | 1/2 | 492.53 | 1/2 | 128.79 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,283.37 | 3/4 | 1,919.56 | 3/4 | 1,555.75 | 3/4 | 1,197.67 | 3/4 | 848.79 | 3/4 | 484.94 | 3/4 | 121.23 | 3/4 | | 3/4 | | 3/4 | |
| 3 | 2,275.79 | 3 | 1,911.99 | 3 | 1,548.25 | 3 | 1,190.42 | 3 | 841.21 | 3 | 477.36 | 3 | 113.69 | 3 | | 3 | | 3 | |
| 1/4 | 2,268.21 | 1/4 | 1,904.41 | 1/4 | 1,540.76 | 1/4 | 1,183.17 | 1/4 | 833.63 | 1/4 | 469.78 | 1/4 | 106.15 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,260.63 | 1/2 | 1,896.83 | 1/2 | 1,533.26 | 1/2 | 1,175.92 | 1/2 | 826.05 | 1/2 | 462.20 | 1/2 | 98.62 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,253.06 | 3/4 | 1,889.25 | 3/4 | 1,525.76 | 3/4 | 1,168.66 | 3/4 | 818.47 | 3/4 | 454.62 | 3/4 | 91.08 | 3/4 | | 3/4 | | 3/4 | |
| 4 | 2,245.48 | 4 | 1,881.67 | 4 | 1,518.34 | 4 | 1,161.42 | 4 | 810.89 | 4 | 447.04 | 4 | 83.57 | 4 | | 4 | | 4 | |
| 1/4 | 2,237.90 | 1/4 | 1,874.09 | 1/4 | 1,510.92 | 1/4 | 1,154.17 | 1/4 | 803.31 | 1/4 | 439.46 | 1/4 | 76.07 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,230.32 | 1/2 | 1,866.51 | 1/2 | 1,503.51 | 1/2 | 1,146.92 | 1/2 | 795.73 | 1/2 | 431.88 | 1/2 | 68.56 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,222.74 | 3/4 | 1,858.93 | 3/4 | 1,496.09 | 3/4 | 1,139.67 | 3/4 | 788.15 | 3/4 | 424.30 | 3/4 | 61.06 | 3/4 | | 3/4 | | 3/4 | |
| 5 | 2,215.16 | 5 | 1,851.35 | 5 | 1,488.67 | 5 | 1,132.42 | 5 | 780.57 | 5 | 416.72 | 5 | 54.16 | 5 | | 5 | | 5 | |
| 1/4 | 2,207.58 | 1/4 | 1,843.77 | 1/4 | 1,481.26 | 1/4 | 1,125.17 | 1/4 | 772.99 | 1/4 | 409.14 | 1/4 | 47.26 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,200.00 | 1/2 | 1,836.19 | 1/2 | 1,473.84 | 1/2 | 1,117.92 | 1/2 | 765.41 | 1/2 | 401.56 | 1/2 | 40.36 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,192.42 | 3/4 | 1,828.61 | 3/4 | 1,466.42 | 3/4 | 1,110.67 | 3/4 | 757.83 | 3/4 | 393.98 | 3/4 | 33.46 | 3/4 | | 3/4 | | 3/4 | |
| 6 | 2,184.84 | 6 | 1,821.03 | 6 | 1,459.00 | 6 | 1,103.42 | 6 | 750.25 | 6 | 386.40 | 6 | 28.41 | 6 | | 6 | | 6 | |
| 1/4 | 2,177.26 | 1/4 | 1,813.45 | 1/4 | 1,451.59 | 1/4 | 1,096.17 | 1/4 | 742.67 | 1/4 | 378.82 | 1/4 | 23.36 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,169.68 | 1/2 | 1,805.87 | 1/2 | 1,444.17 | 1/2 | 1,088.92 | 1/2 | 735.09 | 1/2 | 371.24 | 1/2 | 18.31 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,162.10 | 3/4 | 1,798.29 | 3/4 | 1,436.75 | 3/4 | 1,081.67 | 3/4 | 727.51 | 3/4 | 363.66 | 3/4 | 13.26 | 3/4 | | 3/4 | | 3/4 | |
| 7 | 2,154.53 | 7 | 1,790.71 | 7 | 1,429.33 | 7 | 1,074.42 | 7 | 719.93 | 7 | 356.08 | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 2,146.95 | 1/4 | 1,783.14 | 1/4 | 1,421.92 | 1/4 | 1,067.17 | 1/4 | 712.35 | 1/4 | 348.50 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,139.37 | 1/2 | 1,775.56 | 1/2 | 1,414.50 | 1/2 | 1,059.93 | 1/2 | 704.77 | 1/2 | 340.92 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,131.79 | 3/4 | 1,767.98 | 3/4 | 1,407.08 | 3/4 | 1,052.68 | 3/4 | 697.19 | 3/4 | 333.34 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 2,124.21 | 8 | 1,760.40 | 8 | 1,399.66 | 8 | 1,045.43 | 8 | 689.61 | 8 | 325.76 | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 2,116.63 | 1/4 | 1,752.82 | 1/4 | 1,392.25 | 1/4 | 1,038.18 | 1/4 | 682.03 | 1/4 | 318.18 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,109.05 | 1/2 | 1,745.24 | 1/2 | 1,384.83 | 1/2 | 1,030.93 | 1/2 | 674.45 | 1/2 | 310.60 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,101.47 | 3/4 | 1,737.66 | 3/4 | 1,377.41 | 3/4 | 1,023.68 | 3/4 | 666.87 | 3/4 | 303.02 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 2,093.89 | 9 | 1,730.08 | 9 | 1,369.91 | 9 | 1,016.43 | 9 | 659.29 | 9 | 295.44 | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 2,086.31 | 1/4 | 1,722.50 | 1/4 | 1,362.41 | 1/4 | 1,009.18 | 1/4 | 651.71 | 1/4 | 287.86 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,078.73 | 1/2 | 1,714.92 | 1/2 | 1,354.91 | 1/2 | 1,001.93 | 1/2 | 644.13 | 1/2 | 280.28 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,071.15 | 3/4 | 1,707.34 | 3/4 | 1,347.41 | 3/4 | 994.68 | 3/4 | 636.55 | 3/4 | 272.70 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 2,063.58 | 10 | 1,699.76 | 10 | 1,339.83 | 10 | 987.43 | 10 | 628.97 | 10 | 265.12 | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 2,056.00 | 1/4 | 1,692.18 | 1/4 | 1,332.25 | 1/4 | 980.18 | 1/4 | 621.39 | 1/4 | 257.54 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,048.42 | 1/2 | 1,684.60 | 1/2 | 1,324.67 | 1/2 | 972.93 | 1/2 | 613.81 | 1/2 | 249.96 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,040.84 | 3/4 | 1,677.02 | 3/4 | 1,317.09 | 3/4 | 965.68 | 3/4 | 606.23 | 3/4 | 242.38 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 2,033.26 | 11 | 1,669.44 | 11 | 1,309.51 | 11 | 958.43 | 11 | 598.65 | 11 | 234.80 | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 2,025.68 | 1/4 | 1,661.86 | 1/4 | 1,301.93 | 1/4 | 951.18 | 1/4 | 591.07 | 1/4 | 227.22 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,018.10 | 1/2 | 1,654.29 | 1/2 | 1,294.35 | 1/2 | 943.93 | 1/2 | 583.49 | 1/2 | 219.64 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,010.52 | 3/4 | 1,646.71 | 3/4 | 1,286.77 | 3/4 | 936.68 | 3/4 | 575.91 | 3/4 | 212.06 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/18/2009 CL - SW
CALCULATED: 06/19/2009 CL
PRINTED: 06/19/2009 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2009

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



BARGE "KIRBY 28106"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 3/4"

| 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | | 16 FT. | | 17 FT. | | 18 FT. | | 19 FT. | |
|--------|----------|--------|----------|--------|----------|--------|----------|--------|--------|--------|--------|--------|--------|--------|----|--------|----|--------|----|
| IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN |
| 0 | 2,384.69 | 0 | 2,020.54 | 0 | 1,656.38 | 0 | 1,296.11 | 0 | 933.02 | 0 | 569.87 | 0 | 204.68 | 0 | | 0 | | | |
| 1/4 | 2,377.11 | 1/4 | 2,012.95 | 1/4 | 1,648.80 | 1/4 | 1,288.52 | 1/4 | 925.44 | 1/4 | 561.28 | 1/4 | 197.09 | 1/4 | | 1/4 | | | |
| 1/2 | 2,369.52 | 1/2 | 2,005.37 | 1/2 | 1,641.21 | 1/2 | 1,280.93 | 1/2 | 917.87 | 1/2 | 553.69 | 1/2 | 189.51 | 1/2 | | 1/2 | | | |
| 3/4 | 2,361.93 | 3/4 | 1,997.78 | 3/4 | 1,633.62 | 3/4 | 1,273.34 | 3/4 | 910.29 | 3/4 | 546.11 | 3/4 | 181.92 | 3/4 | | 3/4 | | | |
| 1 | 2,354.35 | 1 | 1,990.19 | 1 | 1,626.04 | 1 | 1,265.76 | 1 | 902.70 | 1 | 538.52 | 1 | 174.34 | 1 | | 1 | | | |
| 1/4 | 2,346.76 | 1/4 | 1,982.61 | 1/4 | 1,618.45 | 1/4 | 1,258.17 | 1/4 | 895.12 | 1/4 | 530.93 | 1/4 | 166.77 | 1/4 | | 1/4 | | | |
| 1/2 | 2,339.17 | 1/2 | 1,975.02 | 1/2 | 1,610.86 | 1/2 | 1,250.58 | 1/2 | 887.53 | 1/2 | 523.34 | 1/2 | 159.19 | 1/2 | | 1/2 | | | |
| 3/4 | 2,331.59 | 3/4 | 1,967.43 | 3/4 | 1,603.28 | 3/4 | 1,242.99 | 3/4 | 879.94 | 3/4 | 515.76 | 3/4 | 151.61 | 3/4 | | 3/4 | | | |
| 2 | 2,324.00 | 2 | 1,959.85 | 2 | 1,595.69 | 2 | 1,235.42 | 2 | 872.36 | 2 | 508.17 | 2 | 144.04 | 2 | | 2 | | | |
| 1/4 | 2,316.41 | 1/4 | 1,952.26 | 1/4 | 1,588.10 | 1/4 | 1,227.85 | 1/4 | 864.77 | 1/4 | 500.58 | 1/4 | 136.48 | 1/4 | | 1/4 | | | |
| 1/2 | 2,308.83 | 1/2 | 1,944.67 | 1/2 | 1,580.52 | 1/2 | 1,220.27 | 1/2 | 857.18 | 1/2 | 492.99 | 1/2 | 128.91 | 1/2 | | 1/2 | | | |
| 3/4 | 2,301.24 | 3/4 | 1,937.09 | 3/4 | 1,572.93 | 3/4 | 1,212.70 | 3/4 | 849.60 | 3/4 | 485.41 | 3/4 | 121.35 | 3/4 | | 3/4 | | | |
| 3 | 2,293.65 | 3 | 1,929.50 | 3 | 1,565.42 | 3 | 1,205.14 | 3 | 842.01 | 3 | 477.82 | 3 | 113.80 | 3 | | 3 | | | |
| 1/4 | 2,286.07 | 1/4 | 1,921.91 | 1/4 | 1,557.92 | 1/4 | 1,197.58 | 1/4 | 834.42 | 1/4 | 470.23 | 1/4 | 106.26 | 1/4 | | 1/4 | | | |
| 1/2 | 2,278.48 | 1/2 | 1,914.33 | 1/2 | 1,550.41 | 1/2 | 1,190.02 | 1/2 | 826.83 | 1/2 | 462.64 | 1/2 | 98.71 | 1/2 | | 1/2 | | | |
| 3/4 | 2,270.90 | 3/4 | 1,906.74 | 3/4 | 1,542.91 | 3/4 | 1,182.46 | 3/4 | 819.25 | 3/4 | 455.06 | 3/4 | 91.16 | 3/4 | | 3/4 | | | |
| 4 | 2,263.31 | 4 | 1,899.15 | 4 | 1,535.48 | 4 | 1,174.90 | 4 | 811.66 | 4 | 447.47 | 4 | 83.65 | 4 | | 4 | | | |
| 1/4 | 2,255.72 | 1/4 | 1,891.57 | 1/4 | 1,528.06 | 1/4 | 1,167.34 | 1/4 | 804.07 | 1/4 | 439.88 | 1/4 | 76.14 | 1/4 | | 1/4 | | | |
| 1/2 | 2,248.14 | 1/2 | 1,883.98 | 1/2 | 1,520.63 | 1/2 | 1,159.78 | 1/2 | 796.49 | 1/2 | 432.29 | 1/2 | 68.63 | 1/2 | | 1/2 | | | |
| 3/4 | 2,240.55 | 3/4 | 1,876.39 | 3/4 | 1,513.21 | 3/4 | 1,152.22 | 3/4 | 788.90 | 3/4 | 424.71 | 3/4 | 61.11 | 3/4 | | 3/4 | | | |
| 5 | 2,232.96 | 5 | 1,868.81 | 5 | 1,505.79 | 5 | 1,144.67 | 5 | 781.31 | 5 | 417.12 | 5 | 54.21 | 5 | | 5 | | | |
| 1/4 | 2,225.38 | 1/4 | 1,861.22 | 1/4 | 1,498.36 | 1/4 | 1,137.11 | 1/4 | 773.73 | 1/4 | 409.53 | 1/4 | 47.30 | 1/4 | | 1/4 | | | |
| 1/2 | 2,217.79 | 1/2 | 1,853.63 | 1/2 | 1,490.94 | 1/2 | 1,129.55 | 1/2 | 766.14 | 1/2 | 401.94 | 1/2 | 40.40 | 1/2 | | 1/2 | | | |
| 3/4 | 2,210.20 | 3/4 | 1,846.05 | 3/4 | 1,483.51 | 3/4 | 1,121.99 | 3/4 | 758.55 | 3/4 | 394.36 | 3/4 | 33.49 | 3/4 | | 3/4 | | | |
| 6 | 2,202.62 | 6 | 1,838.46 | 6 | 1,476.09 | 6 | 1,114.43 | 6 | 750.96 | 6 | 386.77 | 6 | 28.44 | 6 | | 6 | | | |
| 1/4 | 2,195.03 | 1/4 | 1,830.87 | 1/4 | 1,468.66 | 1/4 | 1,106.88 | 1/4 | 743.38 | 1/4 | 379.18 | 1/4 | 23.38 | 1/4 | | 1/4 | | | |
| 1/2 | 2,187.45 | 1/2 | 1,823.29 | 1/2 | 1,461.24 | 1/2 | 1,099.32 | 1/2 | 735.79 | 1/2 | 371.60 | 1/2 | 18.33 | 1/2 | | 1/2 | | | |
| 3/4 | 2,179.86 | 3/4 | 1,815.70 | 3/4 | 1,453.81 | 3/4 | 1,091.76 | 3/4 | 728.20 | 3/4 | 364.01 | 3/4 | 13.27 | 3/4 | | 3/4 | | | |
| 7 | 2,172.27 | 7 | 1,808.11 | 7 | 1,446.39 | 7 | 1,084.20 | 7 | 720.62 | 7 | 356.42 | 7 | | 7 | | 7 | | | |
| 1/4 | 2,164.69 | 1/4 | 1,800.53 | 1/4 | 1,438.97 | 1/4 | 1,076.64 | 1/4 | 713.03 | 1/4 | 348.83 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 2,157.10 | 1/2 | 1,792.94 | 1/2 | 1,431.54 | 1/2 | 1,069.08 | 1/2 | 705.44 | 1/2 | 341.25 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 2,149.51 | 3/4 | 1,785.35 | 3/4 | 1,424.12 | 3/4 | 1,061.53 | 3/4 | 697.86 | 3/4 | 333.66 | 3/4 | | 3/4 | | 3/4 | | | |
| 8 | 2,141.93 | 8 | 1,777.77 | 8 | 1,416.69 | 8 | 1,053.97 | 8 | 690.27 | 8 | 326.07 | 8 | | 8 | | 8 | | | |
| 1/4 | 2,134.34 | 1/4 | 1,770.18 | 1/4 | 1,409.27 | 1/4 | 1,046.41 | 1/4 | 682.68 | 1/4 | 318.48 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 2,126.75 | 1/2 | 1,762.59 | 1/2 | 1,401.84 | 1/2 | 1,038.85 | 1/2 | 675.09 | 1/2 | 310.90 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 2,119.17 | 3/4 | 1,755.01 | 3/4 | 1,394.42 | 3/4 | 1,031.29 | 3/4 | 667.50 | 3/4 | 303.31 | 3/4 | | 3/4 | | 3/4 | | | |
| 9 | 2,111.58 | 9 | 1,747.42 | 9 | 1,386.91 | 9 | 1,023.74 | 9 | 659.92 | 9 | 295.72 | 9 | | 9 | | 9 | | | |
| 1/4 | 2,103.99 | 1/4 | 1,739.84 | 1/4 | 1,379.40 | 1/4 | 1,016.18 | 1/4 | 652.33 | 1/4 | 288.13 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 2,096.41 | 1/2 | 1,732.25 | 1/2 | 1,371.90 | 1/2 | 1,008.62 | 1/2 | 644.74 | 1/2 | 280.55 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 2,088.82 | 3/4 | 1,724.66 | 3/4 | 1,364.39 | 3/4 | 1,001.06 | 3/4 | 637.15 | 3/4 | 272.96 | 3/4 | | 3/4 | | 3/4 | | | |
| 10 | 2,081.24 | 10 | 1,717.08 | 10 | 1,356.80 | 10 | 993.50 | 10 | 629.57 | 10 | 265.37 | 10 | | 10 | | 10 | | | |
| 1/4 | 2,073.65 | 1/4 | 1,709.49 | 1/4 | 1,349.22 | 1/4 | 985.95 | 1/4 | 621.98 | 1/4 | 257.78 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 2,066.06 | 1/2 | 1,701.90 | 1/2 | 1,341.63 | 1/2 | 978.39 | 1/2 | 614.39 | 1/2 | 250.20 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 2,058.48 | 3/4 | 1,694.32 | 3/4 | 1,334.04 | 3/4 | 970.83 | 3/4 | 606.80 | 3/4 | 242.61 | 3/4 | | 3/4 | | 3/4 | | | |
| 11 | 2,050.89 | 11 | 1,686.73 | 11 | 1,326.45 | 11 | 963.27 | 11 | 599.22 | 11 | 235.02 | 11 | | 11 | | 11 | | | |
| 1/4 | 2,043.30 | 1/4 | 1,679.14 | 1/4 | 1,318.87 | 1/4 | 955.71 | 1/4 | 591.63 | 1/4 | 227.44 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 2,035.71 | 1/2 | 1,671.56 | 1/2 | 1,311.28 | 1/2 | 948.15 | 1/2 | 584.04 | 1/2 | 219.85 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 2,028.13 | 3/4 | 1,663.97 | 3/4 | 1,303.69 | 3/4 | 940.59 | 3/4 | 576.46 | 3/4 | 212.26 | 3/4 | | 3/4 | | 3/4 | | | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 ALL PRIOR TO 06/2009

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



BARGE "KIRBY 28106"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN 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 |
| 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 |
| 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 |
| 1/4 | 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 |
| 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 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 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 |
| 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 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 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 |
| 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 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 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 |
| 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 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 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 |
| 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 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 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 |
| 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 |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 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 |
| 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 |
| 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 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 |
| 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 |
| 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 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 |
| 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 |
| 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 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 |
| 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 |
| 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 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 |
| 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 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 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 12'-09" OFF CENTERLINE AND 52'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28106"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

| 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | | 16 FT. | | 17 FT. | | 18 FT. | | 19 FT. | |
|--------|----------|--------|----------|--------|----------|--------|----------|--------|--------|--------|--------|--------|--------|--------|----|--------|----|--------|----|
| IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN |
| 0 | 2,313.96 | 0 | 1,950.34 | 0 | 1,586.75 | 0 | 1,227.66 | 0 | 872.94 | 0 | 516.48 | 0 | 151.84 | 0 | | 0 | | 0 | |
| 1/4 | 2,306.39 | 1/4 | 1,942.76 | 1/4 | 1,579.20 | 1/4 | 1,220.10 | 1/4 | 865.58 | 1/4 | 508.88 | 1/4 | 144.56 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,298.81 | 1/2 | 1,935.19 | 1/2 | 1,571.65 | 1/2 | 1,212.54 | 1/2 | 858.23 | 1/2 | 501.28 | 1/2 | 137.28 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,291.24 | 3/4 | 1,927.61 | 3/4 | 1,564.09 | 3/4 | 1,204.98 | 3/4 | 850.87 | 3/4 | 493.69 | 3/4 | 130.00 | 3/4 | | 3/4 | | 3/4 | |
| 1 | 2,283.66 | 1 | 1,920.03 | 1 | 1,556.54 | 1 | 1,197.42 | 1 | 843.51 | 1 | 486.09 | 1 | 122.72 | 1 | | 1 | | 1 | |
| 1/4 | 2,276.08 | 1/4 | 1,912.46 | 1/4 | 1,548.99 | 1/4 | 1,189.86 | 1/4 | 836.13 | 1/4 | 478.49 | 1/4 | 116.39 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,268.51 | 1/2 | 1,904.88 | 1/2 | 1,541.44 | 1/2 | 1,182.30 | 1/2 | 828.76 | 1/2 | 470.90 | 1/2 | 110.07 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,260.93 | 3/4 | 1,897.31 | 3/4 | 1,533.88 | 3/4 | 1,174.74 | 3/4 | 821.39 | 3/4 | 463.30 | 3/4 | 103.74 | 3/4 | | 3/4 | | 3/4 | |
| 2 | 2,253.36 | 2 | 1,889.73 | 2 | 1,526.33 | 2 | 1,167.18 | 2 | 814.02 | 2 | 455.70 | 2 | 97.41 | 2 | | 2 | | 2 | |
| 1/4 | 2,245.78 | 1/4 | 1,882.16 | 1/4 | 1,518.78 | 1/4 | 1,159.72 | 1/4 | 806.63 | 1/4 | 448.11 | 1/4 | 92.35 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,238.21 | 1/2 | 1,874.58 | 1/2 | 1,511.23 | 1/2 | 1,152.27 | 1/2 | 799.24 | 1/2 | 440.51 | 1/2 | 87.29 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,230.63 | 3/4 | 1,867.00 | 3/4 | 1,503.68 | 3/4 | 1,144.81 | 3/4 | 791.86 | 3/4 | 432.91 | 3/4 | 82.23 | 3/4 | | 3/4 | | 3/4 | |
| 3 | 2,223.06 | 3 | 1,859.43 | 3 | 1,496.12 | 3 | 1,137.35 | 3 | 784.47 | 3 | 425.32 | 3 | 77.18 | 3 | | 3 | | 3 | |
| 1/4 | 2,215.48 | 1/4 | 1,851.85 | 1/4 | 1,488.57 | 1/4 | 1,130.01 | 1/4 | 777.09 | 1/4 | 417.72 | 1/4 | 73.40 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,207.90 | 1/2 | 1,844.28 | 1/2 | 1,481.02 | 1/2 | 1,122.66 | 1/2 | 769.70 | 1/2 | 410.12 | 1/2 | 69.61 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,200.33 | 3/4 | 1,836.70 | 3/4 | 1,473.47 | 3/4 | 1,115.32 | 3/4 | 762.32 | 3/4 | 402.53 | 3/4 | 65.83 | 3/4 | | 3/4 | | 3/4 | |
| 4 | 2,192.75 | 4 | 1,829.13 | 4 | 1,465.91 | 4 | 1,107.97 | 4 | 754.93 | 4 | 394.93 | 4 | 62.05 | 4 | | 4 | | 4 | |
| 1/4 | 2,185.18 | 1/4 | 1,821.55 | 1/4 | 1,458.44 | 1/4 | 1,100.63 | 1/4 | 747.54 | 1/4 | 387.34 | 1/4 | 59.56 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,177.60 | 1/2 | 1,813.97 | 1/2 | 1,450.97 | 1/2 | 1,093.29 | 1/2 | 740.16 | 1/2 | 379.74 | 1/2 | 55.78 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,170.03 | 3/4 | 1,806.40 | 3/4 | 1,443.50 | 3/4 | 1,085.95 | 3/4 | 732.77 | 3/4 | 372.14 | 3/4 | 54.56 | 3/4 | | 3/4 | | 3/4 | |
| 5 | 2,162.45 | 5 | 1,798.82 | 5 | 1,436.03 | 5 | 1,078.61 | 5 | 725.39 | 5 | 364.55 | 5 | 52.07 | 5 | | 5 | | 5 | |
| 1/4 | 2,154.88 | 1/4 | 1,791.25 | 1/4 | 1,428.63 | 1/4 | 1,071.27 | 1/4 | 718.00 | 1/4 | 356.95 | 1/4 | 50.87 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,147.30 | 1/2 | 1,783.67 | 1/2 | 1,421.23 | 1/2 | 1,063.93 | 1/2 | 710.61 | 1/2 | 349.35 | 1/2 | 49.67 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,139.73 | 3/4 | 1,776.10 | 3/4 | 1,413.82 | 3/4 | 1,056.59 | 3/4 | 703.23 | 3/4 | 341.76 | 3/4 | 48.47 | 3/4 | | 3/4 | | 3/4 | |
| 6 | 2,132.15 | 6 | 1,768.52 | 6 | 1,406.42 | 6 | 1,049.25 | 6 | 695.84 | 6 | 334.16 | 6 | 47.27 | 6 | | 6 | | 6 | |
| 1/4 | 2,124.57 | 1/4 | 1,760.94 | 1/4 | 1,399.01 | 1/4 | 1,041.91 | 1/4 | 688.46 | 1/4 | 326.56 | 1/4 | 46.07 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,117.00 | 1/2 | 1,753.37 | 1/2 | 1,391.59 | 1/2 | 1,034.58 | 1/2 | 681.07 | 1/2 | 318.97 | 1/2 | 44.87 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,109.42 | 3/4 | 1,745.79 | 3/4 | 1,384.18 | 3/4 | 1,027.24 | 3/4 | 673.69 | 3/4 | 311.37 | 3/4 | 43.67 | 3/4 | | 3/4 | | 3/4 | |
| 7 | 2,101.85 | 7 | 1,738.22 | 7 | 1,376.76 | 7 | 1,019.90 | 7 | 666.30 | 7 | 303.77 | 7 | 42.47 | 7 | | 7 | | 7 | |
| 1/4 | 2,094.27 | 1/4 | 1,730.64 | 1/4 | 1,369.35 | 1/4 | 1,012.56 | 1/4 | 658.91 | 1/4 | 296.18 | 1/4 | 41.27 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,086.70 | 1/2 | 1,723.07 | 1/2 | 1,361.93 | 1/2 | 1,005.22 | 1/2 | 651.53 | 1/2 | 288.58 | 1/2 | 40.07 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,079.12 | 3/4 | 1,715.49 | 3/4 | 1,354.52 | 3/4 | 997.88 | 3/4 | 644.14 | 3/4 | 280.98 | 3/4 | 38.87 | 3/4 | | 3/4 | | 3/4 | |
| 8 | 2,071.55 | 8 | 1,707.91 | 8 | 1,347.10 | 8 | 990.54 | 8 | 636.76 | 8 | 273.39 | 8 | 37.67 | 8 | | 8 | | 8 | |
| 1/4 | 2,063.97 | 1/4 | 1,700.34 | 1/4 | 1,339.69 | 1/4 | 983.20 | 1/4 | 629.37 | 1/4 | 265.79 | 1/4 | 36.47 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,056.39 | 1/2 | 1,692.76 | 1/2 | 1,332.27 | 1/2 | 975.87 | 1/2 | 621.99 | 1/2 | 258.19 | 1/2 | 35.27 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,048.82 | 3/4 | 1,685.19 | 3/4 | 1,324.86 | 3/4 | 968.53 | 3/4 | 614.60 | 3/4 | 250.60 | 3/4 | 34.07 | 3/4 | | 3/4 | | 3/4 | |
| 9 | 2,041.24 | 9 | 1,677.61 | 9 | 1,317.44 | 9 | 961.19 | 9 | 607.21 | 9 | 243.00 | 9 | 32.87 | 9 | | 9 | | 9 | |
| 1/4 | 2,033.67 | 1/4 | 1,670.04 | 1/4 | 1,310.04 | 1/4 | 953.84 | 1/4 | 599.72 | 1/4 | 235.41 | 1/4 | 31.67 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,026.09 | 1/2 | 1,662.46 | 1/2 | 1,302.63 | 1/2 | 946.49 | 1/2 | 592.23 | 1/2 | 227.81 | 1/2 | 30.47 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,018.52 | 3/4 | 1,654.88 | 3/4 | 1,295.22 | 3/4 | 939.15 | 3/4 | 584.74 | 3/4 | 220.21 | 3/4 | 29.27 | 3/4 | | 3/4 | | 3/4 | |
| 10 | 2,010.94 | 10 | 1,647.31 | 10 | 1,287.82 | 10 | 931.80 | 10 | 577.25 | 10 | 212.62 | 10 | 28.07 | 10 | | 10 | | 10 | |
| 1/4 | 2,003.37 | 1/4 | 1,639.73 | 1/4 | 1,280.34 | 1/4 | 924.44 | 1/4 | 569.65 | 1/4 | 205.02 | 1/4 | 26.87 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,995.79 | 1/2 | 1,632.16 | 1/2 | 1,272.86 | 1/2 | 917.08 | 1/2 | 562.05 | 1/2 | 197.42 | 1/2 | 25.67 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,988.22 | 3/4 | 1,624.58 | 3/4 | 1,265.38 | 3/4 | 909.73 | 3/4 | 554.46 | 3/4 | 189.83 | 3/4 | 24.47 | 3/4 | | 3/4 | | 3/4 | |
| 11 | 1,980.64 | 11 | 1,617.01 | 11 | 1,257.90 | 11 | 902.37 | 11 | 546.86 | 11 | 182.23 | 11 | 23.27 | 11 | | 11 | | 11 | |
| 1/4 | 1,973.06 | 1/4 | 1,609.44 | 1/4 | 1,250.34 | 1/4 | 895.01 | 1/4 | 539.27 | 1/4 | 174.63 | 1/4 | 22.07 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,965.49 | 1/2 | 1,601.88 | 1/2 | 1,242.78 | 1/2 | 887.66 | 1/2 | 531.67 | 1/2 | 167.04 | 1/2 | 20.87 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,957.91 | 3/4 | 1,594.31 | 3/4 | 1,235.22 | 3/4 | 880.30 | 3/4 | 524.07 | 3/4 | 159.44 | 3/4 | 19.67 | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/18/2009 CL - SW
CALCULATED: 06/19/2009 CL
PRINTED: 06/19/2009 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2009

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



BARGE "KIRBY 28106"

3 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

| 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | | 16 FT. | | 17 FT. | | 18 FT. | | 19 FT. | |
|--------|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|
| IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN |
| 0 | 0 | 1,939.51 | 0 | 1,574.92 | 0 | 1,214.20 | 0 | 850.66 | 0 | 486.09 | 0 | 122.72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1/4 | 1/4 | 2,296.50 | 1/4 | 1,567.32 | 1/4 | 1,206.60 | 1/4 | 843.08 | 1/4 | 478.49 | 1/4 | 116.39 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 2,288.91 | 1/2 | 1,559.73 | 1/2 | 1,199.01 | 1/2 | 835.49 | 1/2 | 470.90 | 1/2 | 110.07 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 2,281.31 | 3/4 | 1,552.13 | 3/4 | 1,191.41 | 3/4 | 827.91 | 3/4 | 463.30 | 3/4 | 103.74 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 1 | 1,909.13 | 1 | 1,544.53 | 1 | 1,183.81 | 1 | 820.33 | 1 | 455.70 | 1 | 97.41 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 1/4 | 2,266.12 | 1/4 | 1,536.94 | 1/4 | 1,176.22 | 1/4 | 812.73 | 1/4 | 448.11 | 1/4 | 92.35 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 2,258.52 | 1/2 | 1,529.34 | 1/2 | 1,168.62 | 1/2 | 805.13 | 1/2 | 440.51 | 1/2 | 87.29 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 2,250.93 | 3/4 | 1,521.75 | 3/4 | 1,161.02 | 3/4 | 797.54 | 3/4 | 432.91 | 3/4 | 82.23 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 2 | 2,243.33 | 2 | 1,514.15 | 2 | 1,153.43 | 2 | 789.94 | 2 | 425.32 | 2 | 77.18 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 1/4 | 2,235.74 | 1/4 | 1,506.56 | 1/4 | 1,145.84 | 1/4 | 782.34 | 1/4 | 417.72 | 1/4 | 73.40 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 2,228.14 | 1/2 | 1,498.96 | 1/2 | 1,138.26 | 1/2 | 774.75 | 1/2 | 410.12 | 1/2 | 69.61 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 2,220.55 | 3/4 | 1,491.36 | 3/4 | 1,130.68 | 3/4 | 767.15 | 3/4 | 402.53 | 3/4 | 65.83 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 3 | 2,212.95 | 3 | 1,483.77 | 3 | 1,123.09 | 3 | 759.56 | 3 | 394.93 | 3 | 62.05 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 1/4 | 2,205.36 | 1/4 | 1,476.25 | 1/4 | 1,115.52 | 1/4 | 751.96 | 1/4 | 387.34 | 1/4 | 59.56 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 2,197.76 | 1/2 | 1,468.74 | 1/2 | 1,107.96 | 1/2 | 744.36 | 1/2 | 379.74 | 1/2 | 57.06 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 2,190.17 | 3/4 | 1,461.22 | 3/4 | 1,100.39 | 3/4 | 736.77 | 3/4 | 372.14 | 3/4 | 54.56 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 4 | 2,182.57 | 4 | 1,453.71 | 4 | 1,092.82 | 4 | 729.17 | 4 | 364.55 | 4 | 52.07 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 1/4 | 2,174.97 | 1/4 | 1,446.28 | 1/4 | 1,085.25 | 1/4 | 721.58 | 1/4 | 356.95 | 1/4 | 50.87 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 2,167.38 | 1/2 | 1,438.84 | 1/2 | 1,077.68 | 1/2 | 713.98 | 1/2 | 349.35 | 1/2 | 49.67 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 2,159.78 | 3/4 | 1,431.41 | 3/4 | 1,070.12 | 3/4 | 706.38 | 3/4 | 341.76 | 3/4 | 48.47 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 5 | 2,152.19 | 5 | 1,423.97 | 5 | 1,062.55 | 5 | 698.79 | 5 | 334.16 | 5 | 47.27 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 1/4 | 2,144.59 | 1/4 | 1,416.54 | 1/4 | 1,054.98 | 1/4 | 691.19 | 1/4 | 326.56 | 1/4 | 46.07 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 2,137.00 | 1/2 | 1,409.11 | 1/2 | 1,047.41 | 1/2 | 683.60 | 1/2 | 318.97 | 1/2 | 44.87 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 2,129.40 | 3/4 | 1,401.67 | 3/4 | 1,039.85 | 3/4 | 676.00 | 3/4 | 311.37 | 3/4 | 43.67 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 6 | 2,121.81 | 6 | 1,394.24 | 6 | 1,032.28 | 6 | 668.40 | 6 | 303.77 | 6 | 42.47 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 1/4 | 2,114.21 | 1/4 | 1,386.81 | 1/4 | 1,024.71 | 1/4 | 660.81 | 1/4 | 296.18 | 1/4 | 41.27 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 2,106.61 | 1/2 | 1,379.37 | 1/2 | 1,017.15 | 1/2 | 653.21 | 1/2 | 288.58 | 1/2 | 40.07 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 2,099.02 | 3/4 | 1,371.94 | 3/4 | 1,009.58 | 3/4 | 645.61 | 3/4 | 280.98 | 3/4 | 38.87 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 7 | 2,091.42 | 7 | 1,364.50 | 7 | 1,002.01 | 7 | 638.02 | 7 | 273.39 | 7 | 37.67 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 1/4 | 2,083.83 | 1/4 | 1,357.07 | 1/4 | 994.44 | 1/4 | 630.42 | 1/4 | 265.79 | 1/4 | 36.47 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 2,076.23 | 1/2 | 1,349.64 | 1/2 | 986.88 | 1/2 | 622.83 | 1/2 | 258.19 | 1/2 | 35.27 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 2,068.64 | 3/4 | 1,342.20 | 3/4 | 979.31 | 3/4 | 615.23 | 3/4 | 250.60 | 3/4 | 34.07 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 8 | 2,061.04 | 8 | 1,334.77 | 8 | 971.74 | 8 | 607.63 | 8 | 243.00 | 8 | 32.87 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 1/4 | 2,053.45 | 1/4 | 1,327.33 | 1/4 | 964.17 | 1/4 | 600.04 | 1/4 | 235.41 | 1/4 | 31.67 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 2,045.85 | 1/2 | 1,319.90 | 1/2 | 956.61 | 1/2 | 592.44 | 1/2 | 227.81 | 1/2 | 30.47 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 2,038.26 | 3/4 | 1,312.47 | 3/4 | 949.04 | 3/4 | 584.84 | 3/4 | 220.21 | 3/4 | 29.27 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 9 | 2,030.66 | 9 | 1,305.03 | 9 | 941.47 | 9 | 577.25 | 9 | 212.62 | 9 | 28.07 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 1/4 | 2,023.06 | 1/4 | 1,297.52 | 1/4 | 933.91 | 1/4 | 569.65 | 1/4 | 205.02 | 1/4 | 26.87 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 2,015.47 | 1/2 | 1,290.00 | 1/2 | 926.34 | 1/2 | 562.05 | 1/2 | 197.42 | 1/2 | 25.67 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 2,007.87 | 3/4 | 1,282.49 | 3/4 | 918.77 | 3/4 | 554.46 | 3/4 | 189.83 | 3/4 | 24.47 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 10 | 2,000.28 | 10 | 1,274.97 | 10 | 911.20 | 10 | 546.86 | 10 | 182.23 | 10 | 23.27 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 1/4 | 1,992.68 | 1/4 | 1,267.37 | 1/4 | 903.64 | 1/4 | 539.27 | 1/4 | 174.63 | 1/4 | 22.07 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1,985.09 | 1/2 | 1,259.78 | 1/2 | 896.07 | 1/2 | 531.67 | 1/2 | 167.04 | 1/2 | 20.87 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 1,977.49 | 3/4 | 1,252.18 | 3/4 | 888.50 | 3/4 | 524.07 | 3/4 | 159.44 | 3/4 | 19.67 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 11 | 1,969.90 | 11 | 1,244.59 | 11 | 880.94 | 11 | 516.48 | 11 | 151.84 | 11 | 18.47 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 1/4 | 1,962.30 | 1/4 | 1,236.99 | 1/4 | 873.37 | 1/4 | 508.88 | 1/4 | 144.56 | 1/4 | 17.27 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1,954.70 | 1/2 | 1,229.39 | 1/2 | 865.80 | 1/2 | 501.28 | 1/2 | 137.28 | 1/2 | 16.07 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 1,947.11 | 3/4 | 1,221.80 | 3/4 | 858.23 | 3/4 | 493.69 | 3/4 | 130.00 | 3/4 | 14.87 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/18/2009 CL - SW
 CALCULATED: 06/19/2009 CL
 PRINTED: 06/19/2009 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 06/2009

PRECISION MEASUREMENT
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