



BARGE "KIRBY 28046"

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 PORT | - 00-1/8 | 00-1/8 | - 00-1/4 | 00-1/4 | - 00-3/8 | 00-3/8 | - 00-3/8 | 00-3/8 | - 00-1/2 | 00-1/2 | - 00-5/8 | 00-5/8 |
| 1 STBD | - 00-1/8 | 00-1/8 | - 00-1/4 | 00-1/4 | - 00-3/8 | 00-3/8 | - 00-3/8 | 00-3/8 | - 00-1/2 | 00-1/2 | - 00-5/8 | 00-5/8 |
| 2 PORT | - 00-1/8 | 00-1/8 | - 00-1/4 | 00-1/4 | - 00-1/4 | 00-1/4 | - 00-3/8 | 00-3/8 | - 00-1/2 | 00-1/2 | - 00-5/8 | 00-5/8 |
| 2 STBD | - 00-1/8 | 00-1/8 | - 00-1/4 | 00-1/4 | - 00-3/8 | 00-3/8 | - 00-3/8 | 00-3/8 | - 00-1/2 | 00-1/2 | - 00-5/8 | 00-5/8 |
| 3 PORT | - 00-1/8 | 00-1/8 | - 00-1/4 | 00-1/4 | - 00-3/8 | 00-3/8 | - 00-5/8 | 00-5/8 | - 00-3/4 | 00-3/4 | - 00-7/8 | 00-7/8 |
| 3 STBD | - 00-1/8 | 00-1/8 | - 00-1/4 | 00-1/4 | - 00-3/8 | 00-3/8 | - 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 2 PORT IS 00-1/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/4"

LENGTH BETWEEN DRAFT MARKS: 236'-09"

February 17, 2022

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

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BARGE "KIRBY 28046"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 1,979.40 | 0 | 1,647.83 | 0 | 1,316.26 | 0 | 985.03 | 0 | 668.65 | 0 | 375.36 | 0 | 105.67 | 0 | | 0 | | 0 | |
| 1/4 | 1,972.49 | 1/4 | 1,640.92 | 1/4 | 1,309.35 | 1/4 | 978.20 | 1/4 | 662.31 | 1/4 | 369.51 | 1/4 | 100.32 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,965.59 | 1/2 | 1,634.02 | 1/2 | 1,302.45 | 1/2 | 971.38 | 1/2 | 655.97 | 1/2 | 363.67 | 1/2 | 94.97 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,958.68 | 3/4 | 1,627.11 | 3/4 | 1,295.54 | 3/4 | 964.55 | 3/4 | 649.64 | 3/4 | 357.82 | 3/4 | 89.62 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 1,951.77 | 1 | 1,620.20 | 1 | 1,288.63 | 1 | 957.72 | 1 | 643.30 | 1 | 351.98 | 1 | 84.27 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 1,944.86 | 1/4 | 1,613.29 | 1/4 | 1,281.72 | 1/4 | 950.95 | 1/4 | 637.01 | 1/4 | 346.18 | 1/4 | 78.96 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,937.96 | 1/2 | 1,606.39 | 1/2 | 1,274.82 | 1/2 | 944.18 | 1/2 | 630.71 | 1/2 | 340.38 | 1/2 | 73.65 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,931.05 | 3/4 | 1,599.48 | 3/4 | 1,267.91 | 3/4 | 937.41 | 3/4 | 624.42 | 3/4 | 334.57 | 3/4 | 68.35 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 1,924.14 | 2 | 1,592.57 | 2 | 1,261.00 | 2 | 930.64 | 2 | 618.13 | 2 | 328.77 | 2 | 63.04 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 1,917.23 | 1/4 | 1,585.66 | 1/4 | 1,254.09 | 1/4 | 923.91 | 1/4 | 611.87 | 1/4 | 323.01 | 1/4 | 57.77 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,910.32 | 1/2 | 1,578.76 | 1/2 | 1,247.19 | 1/2 | 917.18 | 1/2 | 605.62 | 1/2 | 317.25 | 1/2 | 52.50 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,903.42 | 3/4 | 1,571.85 | 3/4 | 1,240.28 | 3/4 | 910.45 | 3/4 | 599.36 | 3/4 | 311.48 | 3/4 | 47.23 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 1,896.51 | 3 | 1,564.94 | 3 | 1,233.37 | 3 | 903.72 | 3 | 593.11 | 3 | 305.72 | 3 | 41.96 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 1,889.60 | 1/4 | 1,558.03 | 1/4 | 1,226.46 | 1/4 | 897.03 | 1/4 | 586.90 | 1/4 | 300.00 | 1/4 | 37.60 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,882.69 | 1/2 | 1,551.12 | 1/2 | 1,219.55 | 1/2 | 890.35 | 1/2 | 580.68 | 1/2 | 294.28 | 1/2 | 33.24 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,875.79 | 3/4 | 1,544.22 | 3/4 | 1,212.65 | 3/4 | 883.66 | 3/4 | 574.47 | 3/4 | 288.56 | 3/4 | 28.88 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 1,868.88 | 4 | 1,537.31 | 4 | 1,205.74 | 4 | 876.97 | 4 | 568.26 | 4 | 282.84 | 4 | 24.52 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 1,861.97 | 1/4 | 1,530.40 | 1/4 | 1,198.83 | 1/4 | 870.32 | 1/4 | 562.09 | 1/4 | 277.16 | 1/4 | 21.93 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,855.06 | 1/2 | 1,523.49 | 1/2 | 1,191.92 | 1/2 | 863.67 | 1/2 | 555.92 | 1/2 | 271.48 | 1/2 | 19.33 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,848.16 | 3/4 | 1,516.59 | 3/4 | 1,185.02 | 3/4 | 857.03 | 3/4 | 549.74 | 3/4 | 265.80 | 3/4 | 16.74 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 1,841.25 | 5 | 1,509.68 | 5 | 1,178.11 | 5 | 850.38 | 5 | 543.57 | 5 | 260.12 | 5 | 14.14 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 1,834.34 | 1/4 | 1,502.77 | 1/4 | 1,171.20 | 1/4 | 843.77 | 1/4 | 537.44 | 1/4 | 254.48 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,827.43 | 1/2 | 1,495.86 | 1/2 | 1,164.29 | 1/2 | 837.17 | 1/2 | 531.31 | 1/2 | 248.84 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,820.52 | 3/4 | 1,488.95 | 3/4 | 1,157.39 | 3/4 | 830.56 | 3/4 | 525.18 | 3/4 | 243.21 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 1,813.62 | 6 | 1,482.05 | 6 | 1,150.48 | 6 | 823.95 | 6 | 519.05 | 6 | 237.57 | 6 | | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 1,806.71 | 1/4 | 1,475.14 | 1/4 | 1,143.57 | 1/4 | 817.39 | 1/4 | 512.96 | 1/4 | 231.97 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,799.80 | 1/2 | 1,468.23 | 1/2 | 1,136.66 | 1/2 | 810.82 | 1/2 | 506.87 | 1/2 | 226.37 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,792.89 | 3/4 | 1,461.32 | 3/4 | 1,129.75 | 3/4 | 804.25 | 3/4 | 500.78 | 3/4 | 220.77 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 1,785.99 | 7 | 1,454.42 | 7 | 1,122.85 | 7 | 797.69 | 7 | 494.69 | 7 | 215.17 | 7 | | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 1,779.08 | 1/4 | 1,447.51 | 1/4 | 1,115.94 | 1/4 | 791.16 | 1/4 | 488.64 | 1/4 | 209.61 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,772.17 | 1/2 | 1,440.60 | 1/2 | 1,109.03 | 1/2 | 784.64 | 1/2 | 482.59 | 1/2 | 204.06 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,765.26 | 3/4 | 1,433.69 | 3/4 | 1,102.12 | 3/4 | 778.12 | 3/4 | 476.55 | 3/4 | 198.50 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 1,758.36 | 8 | 1,426.79 | 8 | 1,095.22 | 8 | 771.59 | 8 | 470.50 | 8 | 192.95 | 8 | | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 1,751.45 | 1/4 | 1,419.88 | 1/4 | 1,088.31 | 1/4 | 765.11 | 1/4 | 464.49 | 1/4 | 187.43 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,744.54 | 1/2 | 1,412.97 | 1/2 | 1,081.40 | 1/2 | 758.62 | 1/2 | 458.48 | 1/2 | 181.91 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,737.63 | 3/4 | 1,406.06 | 3/4 | 1,074.50 | 3/4 | 752.14 | 3/4 | 452.47 | 3/4 | 176.39 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 1,730.72 | 9 | 1,399.15 | 9 | 1,067.59 | 9 | 745.65 | 9 | 446.46 | 9 | 170.87 | 9 | | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 1,723.82 | 1/4 | 1,392.25 | 1/4 | 1,060.69 | 1/4 | 739.20 | 1/4 | 440.50 | 1/4 | 165.40 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,716.91 | 1/2 | 1,385.34 | 1/2 | 1,053.79 | 1/2 | 732.74 | 1/2 | 434.53 | 1/2 | 159.93 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,710.00 | 3/4 | 1,378.43 | 3/4 | 1,046.89 | 3/4 | 726.28 | 3/4 | 428.57 | 3/4 | 154.46 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 1,703.09 | 10 | 1,371.52 | 10 | 1,040.00 | 10 | 719.82 | 10 | 422.60 | 10 | 148.98 | 10 | | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 1,696.19 | 1/4 | 1,364.62 | 1/4 | 1,033.11 | 1/4 | 713.40 | 1/4 | 416.67 | 1/4 | 143.55 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,689.28 | 1/2 | 1,357.71 | 1/2 | 1,026.23 | 1/2 | 706.99 | 1/2 | 410.75 | 1/2 | 138.11 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,682.37 | 3/4 | 1,350.80 | 3/4 | 1,019.35 | 3/4 | 700.57 | 3/4 | 404.82 | 3/4 | 132.67 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 1,675.46 | 11 | 1,343.89 | 11 | 1,012.46 | 11 | 694.15 | 11 | 398.89 | 11 | 127.23 | 11 | | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 1,668.56 | 1/4 | 1,336.99 | 1/4 | 1,005.60 | 1/4 | 687.77 | 1/4 | 393.01 | 1/4 | 121.84 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,661.65 | 1/2 | 1,330.08 | 1/2 | 998.75 | 1/2 | 681.40 | 1/2 | 387.13 | 1/2 | 116.45 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,654.74 | 3/4 | 1,323.17 | 3/4 | 991.89 | 3/4 | 675.02 | 3/4 | 381.24 | 3/4 | 111.06 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/21/2006 CL - SW
RECALCULATED: 02/17/2022 PMA
REPRINTED: 02/17/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "KIRBY 28046"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 1,984.01 | 0 | 1,652.53 | 0 | 1,321.05 | 0 | 989.94 | 0 | 674.83 | 0 | 381.14 | 0 | 111.03 | 0 | | 0 | | 0 | |
| 1/4 | 1,977.11 | 1/4 | 1,645.63 | 1/4 | 1,314.14 | 1/4 | 983.11 | 1/4 | 668.46 | 1/4 | 375.25 | 1/4 | 105.65 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,970.20 | 1/2 | 1,638.72 | 1/2 | 1,307.24 | 1/2 | 976.32 | 1/2 | 662.13 | 1/2 | 369.41 | 1/2 | 100.29 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,963.30 | 3/4 | 1,631.81 | 3/4 | 1,300.33 | 3/4 | 969.54 | 3/4 | 655.79 | 3/4 | 363.57 | 3/4 | 94.94 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 1,956.39 | 1 | 1,624.91 | 1 | 1,293.42 | 1 | 962.75 | 1 | 649.46 | 1 | 357.72 | 1 | 89.59 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 1,949.49 | 1/4 | 1,618.00 | 1/4 | 1,286.52 | 1/4 | 955.96 | 1/4 | 643.12 | 1/4 | 351.88 | 1/4 | 84.24 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,942.58 | 1/2 | 1,611.10 | 1/2 | 1,279.61 | 1/2 | 949.23 | 1/2 | 636.83 | 1/2 | 346.08 | 1/2 | 78.94 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,935.67 | 3/4 | 1,604.19 | 3/4 | 1,272.71 | 3/4 | 942.50 | 3/4 | 630.54 | 3/4 | 340.28 | 3/4 | 73.63 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 1,928.77 | 2 | 1,597.28 | 2 | 1,265.80 | 2 | 935.77 | 2 | 624.25 | 2 | 334.48 | 2 | 68.33 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 1,921.86 | 1/4 | 1,590.38 | 1/4 | 1,258.90 | 1/4 | 929.04 | 1/4 | 617.95 | 1/4 | 328.68 | 1/4 | 63.02 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,914.96 | 1/2 | 1,583.47 | 1/2 | 1,251.99 | 1/2 | 922.35 | 1/2 | 611.70 | 1/2 | 322.92 | 1/2 | 57.76 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,908.05 | 3/4 | 1,576.57 | 3/4 | 1,245.08 | 3/4 | 915.66 | 3/4 | 605.45 | 3/4 | 317.16 | 3/4 | 52.49 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 1,901.14 | 3 | 1,569.66 | 3 | 1,238.18 | 3 | 908.97 | 3 | 599.20 | 3 | 311.40 | 3 | 47.22 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 1,894.24 | 1/4 | 1,562.75 | 1/4 | 1,231.27 | 1/4 | 902.28 | 1/4 | 592.94 | 1/4 | 305.64 | 1/4 | 41.95 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,887.33 | 1/2 | 1,555.85 | 1/2 | 1,224.37 | 1/2 | 895.64 | 1/2 | 586.73 | 1/2 | 299.92 | 1/2 | 37.59 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,880.43 | 3/4 | 1,548.94 | 3/4 | 1,217.46 | 3/4 | 888.99 | 3/4 | 580.52 | 3/4 | 294.20 | 3/4 | 33.23 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 1,873.52 | 4 | 1,542.04 | 4 | 1,210.55 | 4 | 882.34 | 4 | 574.31 | 4 | 288.48 | 4 | 28.88 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 1,866.61 | 1/4 | 1,535.13 | 1/4 | 1,203.65 | 1/4 | 875.69 | 1/4 | 568.10 | 1/4 | 282.76 | 1/4 | 24.52 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,859.71 | 1/2 | 1,528.23 | 1/2 | 1,196.74 | 1/2 | 869.08 | 1/2 | 561.93 | 1/2 | 277.08 | 1/2 | 21.92 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,852.80 | 3/4 | 1,521.32 | 3/4 | 1,189.84 | 3/4 | 862.48 | 3/4 | 555.76 | 3/4 | 271.40 | 3/4 | 19.33 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 1,845.90 | 5 | 1,514.41 | 5 | 1,182.93 | 5 | 855.87 | 5 | 549.59 | 5 | 265.72 | 5 | 16.73 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 1,838.99 | 1/4 | 1,507.51 | 1/4 | 1,176.02 | 1/4 | 849.26 | 1/4 | 543.42 | 1/4 | 260.04 | 1/4 | 14.13 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,832.08 | 1/2 | 1,500.60 | 1/2 | 1,169.12 | 1/2 | 842.70 | 1/2 | 537.29 | 1/2 | 254.41 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,825.18 | 3/4 | 1,493.70 | 3/4 | 1,162.21 | 3/4 | 836.13 | 3/4 | 531.16 | 3/4 | 248.77 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 1,818.27 | 6 | 1,486.79 | 6 | 1,155.31 | 6 | 829.57 | 6 | 525.03 | 6 | 243.14 | 6 | | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 1,811.37 | 1/4 | 1,479.88 | 1/4 | 1,148.40 | 1/4 | 823.00 | 1/4 | 518.91 | 1/4 | 237.50 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,804.46 | 1/2 | 1,472.98 | 1/2 | 1,141.49 | 1/2 | 816.47 | 1/2 | 512.82 | 1/2 | 231.90 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,797.56 | 3/4 | 1,466.07 | 3/4 | 1,134.59 | 3/4 | 809.95 | 3/4 | 506.73 | 3/4 | 226.31 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 1,790.65 | 7 | 1,459.17 | 7 | 1,127.68 | 7 | 803.42 | 7 | 500.64 | 7 | 220.71 | 7 | | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 1,783.74 | 1/4 | 1,452.26 | 1/4 | 1,120.78 | 1/4 | 796.90 | 1/4 | 494.55 | 1/4 | 215.11 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,776.84 | 1/2 | 1,445.35 | 1/2 | 1,113.87 | 1/2 | 790.41 | 1/2 | 488.51 | 1/2 | 209.55 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,769.93 | 3/4 | 1,438.45 | 3/4 | 1,106.97 | 3/4 | 783.93 | 3/4 | 482.46 | 3/4 | 204.00 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 1,763.03 | 8 | 1,431.54 | 8 | 1,100.06 | 8 | 777.44 | 8 | 476.41 | 8 | 198.45 | 8 | | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 1,756.12 | 1/4 | 1,424.64 | 1/4 | 1,093.15 | 1/4 | 770.96 | 1/4 | 470.37 | 1/4 | 192.89 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,749.21 | 1/2 | 1,417.73 | 1/2 | 1,086.25 | 1/2 | 764.52 | 1/2 | 464.36 | 1/2 | 187.38 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,742.31 | 3/4 | 1,410.82 | 3/4 | 1,079.34 | 3/4 | 758.07 | 3/4 | 458.35 | 3/4 | 181.86 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 1,735.40 | 9 | 1,403.92 | 9 | 1,072.44 | 9 | 751.63 | 9 | 452.35 | 9 | 176.34 | 9 | | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 1,728.50 | 1/4 | 1,397.01 | 1/4 | 1,065.53 | 1/4 | 745.18 | 1/4 | 446.34 | 1/4 | 170.83 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,721.59 | 1/2 | 1,390.11 | 1/2 | 1,058.64 | 1/2 | 738.76 | 1/2 | 440.38 | 1/2 | 165.36 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,714.68 | 3/4 | 1,383.20 | 3/4 | 1,051.74 | 3/4 | 732.34 | 3/4 | 434.41 | 3/4 | 159.88 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 1,707.78 | 10 | 1,376.30 | 10 | 1,044.84 | 10 | 725.92 | 10 | 428.45 | 10 | 154.41 | 10 | | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 1,700.87 | 1/4 | 1,369.39 | 1/4 | 1,037.95 | 1/4 | 719.50 | 1/4 | 422.48 | 1/4 | 148.94 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,693.97 | 1/2 | 1,362.48 | 1/2 | 1,031.07 | 1/2 | 713.12 | 1/2 | 416.56 | 1/2 | 143.51 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,687.06 | 3/4 | 1,355.58 | 3/4 | 1,024.19 | 3/4 | 706.73 | 3/4 | 410.63 | 3/4 | 138.07 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 1,680.16 | 11 | 1,348.67 | 11 | 1,017.30 | 11 | 700.34 | 11 | 404.71 | 11 | 132.63 | 11 | | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 1,673.25 | 1/4 | 1,341.77 | 1/4 | 1,010.42 | 1/4 | 693.96 | 1/4 | 398.78 | 1/4 | 127.20 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,666.34 | 1/2 | 1,334.86 | 1/2 | 1,003.60 | 1/2 | 687.58 | 1/2 | 392.90 | 1/2 | 121.81 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,659.44 | 3/4 | 1,327.95 | 3/4 | 996.77 | 3/4 | 681.21 | 3/4 | 387.02 | 3/4 | 116.42 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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RECALCULATED: 02/17/2022 PMA
REPRINTED: 02/17/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 28046"

2 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-05"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|----|--------|
| 0 | 2,489.17 | 0 | 2,101.01 | 0 | 1,712.85 | 0 | 1,324.69 | 0 | 936.53 | 0 | 549.24 | 0 | 161.49 | 0 | | 0 | | | |
| 1/4 | 2,481.09 | 1/4 | 2,092.93 | 1/4 | 1,704.76 | 1/4 | 1,316.60 | 1/4 | 928.44 | 1/4 | 541.16 | 1/4 | 153.42 | 1/4 | | 1/4 | | | |
| 1/2 | 2,473.00 | 1/2 | 2,084.84 | 1/2 | 1,696.68 | 1/2 | 1,308.52 | 1/2 | 920.35 | 1/2 | 533.08 | 1/2 | 145.34 | 1/2 | | 1/2 | | | |
| 3/4 | 2,464.91 | 3/4 | 2,076.75 | 3/4 | 1,688.59 | 3/4 | 1,300.43 | 3/4 | 912.27 | 3/4 | 525.00 | 3/4 | 137.26 | 3/4 | | 3/4 | | | |
| 1 | 2,456.83 | 1 | 2,068.67 | 1 | 1,680.50 | 1 | 1,292.34 | 1 | 904.18 | 1 | 516.93 | 1 | 129.18 | 1 | | 1 | | | |
| 1/4 | 2,448.74 | 1/4 | 2,060.58 | 1/4 | 1,672.42 | 1/4 | 1,284.26 | 1/4 | 896.11 | 1/4 | 508.85 | 1/4 | 121.10 | 1/4 | | 1/4 | | | |
| 1/2 | 2,440.65 | 1/2 | 2,052.49 | 1/2 | 1,664.33 | 1/2 | 1,276.17 | 1/2 | 888.03 | 1/2 | 500.77 | 1/2 | 113.03 | 1/2 | | 1/2 | | | |
| 3/4 | 2,432.57 | 3/4 | 2,044.41 | 3/4 | 1,656.24 | 3/4 | 1,268.08 | 3/4 | 879.96 | 3/4 | 492.69 | 3/4 | 104.95 | 3/4 | | 3/4 | | | |
| 2 | 2,424.48 | 2 | 2,036.32 | 2 | 1,648.16 | 2 | 1,260.00 | 2 | 871.88 | 2 | 484.61 | 2 | 96.87 | 2 | | 2 | | | |
| 1/4 | 2,416.39 | 1/4 | 2,028.23 | 1/4 | 1,640.07 | 1/4 | 1,251.91 | 1/4 | 863.82 | 1/4 | 476.54 | 1/4 | 88.79 | 1/4 | | 1/4 | | | |
| 1/2 | 2,408.31 | 1/2 | 2,020.15 | 1/2 | 1,631.98 | 1/2 | 1,243.82 | 1/2 | 855.76 | 1/2 | 468.46 | 1/2 | 80.71 | 1/2 | | 1/2 | | | |
| 3/4 | 2,400.22 | 3/4 | 2,012.06 | 3/4 | 1,623.90 | 3/4 | 1,235.74 | 3/4 | 847.70 | 3/4 | 460.38 | 3/4 | 72.64 | 3/4 | | 3/4 | | | |
| 3 | 2,392.13 | 3 | 2,003.97 | 3 | 1,615.81 | 3 | 1,227.65 | 3 | 839.63 | 3 | 452.30 | 3 | 64.56 | 3 | | 3 | | | |
| 1/4 | 2,384.05 | 1/4 | 1,995.89 | 1/4 | 1,607.72 | 1/4 | 1,219.56 | 1/4 | 831.57 | 1/4 | 444.22 | 1/4 | 57.49 | 1/4 | | 1/4 | | | |
| 1/2 | 2,375.96 | 1/2 | 1,987.80 | 1/2 | 1,599.64 | 1/2 | 1,211.48 | 1/2 | 823.51 | 1/2 | 436.15 | 1/2 | 50.42 | 1/2 | | 1/2 | | | |
| 3/4 | 2,367.87 | 3/4 | 1,979.71 | 3/4 | 1,591.55 | 3/4 | 1,203.39 | 3/4 | 815.45 | 3/4 | 428.07 | 3/4 | 43.35 | 3/4 | | 3/4 | | | |
| 4 | 2,359.79 | 4 | 1,971.63 | 4 | 1,583.46 | 4 | 1,195.30 | 4 | 807.39 | 4 | 419.99 | 4 | 36.29 | 4 | | 4 | | | |
| 1/4 | 2,351.70 | 1/4 | 1,963.54 | 1/4 | 1,575.38 | 1/4 | 1,187.22 | 1/4 | 799.32 | 1/4 | 411.91 | 1/4 | 31.24 | 1/4 | | 1/4 | | | |
| 1/2 | 2,343.61 | 1/2 | 1,955.45 | 1/2 | 1,567.29 | 1/2 | 1,179.13 | 1/2 | 791.26 | 1/2 | 403.83 | 1/2 | 26.19 | 1/2 | | 1/2 | | | |
| 3/4 | 2,335.53 | 3/4 | 1,947.37 | 3/4 | 1,559.20 | 3/4 | 1,171.04 | 3/4 | 783.20 | 3/4 | 395.76 | 3/4 | 21.15 | 3/4 | | 3/4 | | | |
| 5 | 2,327.44 | 5 | 1,939.28 | 5 | 1,551.12 | 5 | 1,162.96 | 5 | 775.14 | 5 | 387.68 | 5 | 16.10 | 5 | | 5 | | | |
| 1/4 | 2,319.35 | 1/4 | 1,931.19 | 1/4 | 1,543.03 | 1/4 | 1,154.87 | 1/4 | 767.07 | 1/4 | 379.60 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 2,311.27 | 1/2 | 1,923.10 | 1/2 | 1,534.94 | 1/2 | 1,146.78 | 1/2 | 759.01 | 1/2 | 371.52 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 2,303.18 | 3/4 | 1,915.02 | 3/4 | 1,526.86 | 3/4 | 1,138.70 | 3/4 | 750.95 | 3/4 | 363.44 | 3/4 | | 3/4 | | 3/4 | | | |
| 6 | 2,295.09 | 6 | 1,906.93 | 6 | 1,518.77 | 6 | 1,130.61 | 6 | 742.89 | 6 | 355.37 | 6 | | 6 | | 6 | | | |
| 1/4 | 2,287.01 | 1/4 | 1,898.84 | 1/4 | 1,510.68 | 1/4 | 1,122.52 | 1/4 | 734.83 | 1/4 | 347.29 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 2,278.92 | 1/2 | 1,890.76 | 1/2 | 1,502.60 | 1/2 | 1,114.43 | 1/2 | 726.76 | 1/2 | 339.21 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 2,270.83 | 3/4 | 1,882.67 | 3/4 | 1,494.51 | 3/4 | 1,106.35 | 3/4 | 718.70 | 3/4 | 331.13 | 3/4 | | 3/4 | | 3/4 | | | |
| 7 | 2,262.75 | 7 | 1,874.58 | 7 | 1,486.42 | 7 | 1,098.26 | 7 | 710.64 | 7 | 323.05 | 7 | | 7 | | 7 | | | |
| 1/4 | 2,254.66 | 1/4 | 1,866.50 | 1/4 | 1,478.34 | 1/4 | 1,090.17 | 1/4 | 702.58 | 1/4 | 314.98 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 2,246.57 | 1/2 | 1,858.41 | 1/2 | 1,470.25 | 1/2 | 1,082.09 | 1/2 | 694.51 | 1/2 | 306.90 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 2,238.49 | 3/4 | 1,850.32 | 3/4 | 1,462.16 | 3/4 | 1,074.00 | 3/4 | 686.45 | 3/4 | 298.82 | 3/4 | | 3/4 | | 3/4 | | | |
| 8 | 2,230.40 | 8 | 1,842.24 | 8 | 1,454.08 | 8 | 1,065.91 | 8 | 678.39 | 8 | 290.74 | 8 | | 8 | | 8 | | | |
| 1/4 | 2,222.31 | 1/4 | 1,834.15 | 1/4 | 1,445.99 | 1/4 | 1,057.83 | 1/4 | 670.33 | 1/4 | 282.66 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 2,214.23 | 1/2 | 1,826.06 | 1/2 | 1,437.90 | 1/2 | 1,049.74 | 1/2 | 662.27 | 1/2 | 274.59 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 2,206.14 | 3/4 | 1,817.98 | 3/4 | 1,429.82 | 3/4 | 1,041.65 | 3/4 | 654.20 | 3/4 | 266.51 | 3/4 | | 3/4 | | 3/4 | | | |
| 9 | 2,198.05 | 9 | 1,809.89 | 9 | 1,421.73 | 9 | 1,033.57 | 9 | 646.14 | 9 | 258.43 | 9 | | 9 | | 9 | | | |
| 1/4 | 2,189.97 | 1/4 | 1,801.80 | 1/4 | 1,413.64 | 1/4 | 1,025.48 | 1/4 | 638.07 | 1/4 | 250.35 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 2,181.88 | 1/2 | 1,793.72 | 1/2 | 1,405.56 | 1/2 | 1,017.39 | 1/2 | 630.00 | 1/2 | 242.27 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 2,173.79 | 3/4 | 1,785.63 | 3/4 | 1,397.47 | 3/4 | 1,009.31 | 3/4 | 621.93 | 3/4 | 234.20 | 3/4 | | 3/4 | | 3/4 | | | |
| 10 | 2,165.71 | 10 | 1,777.54 | 10 | 1,389.38 | 10 | 1,001.22 | 10 | 613.86 | 10 | 226.12 | 10 | | 10 | | 10 | | | |
| 1/4 | 2,157.62 | 1/4 | 1,769.46 | 1/4 | 1,381.30 | 1/4 | 993.13 | 1/4 | 605.78 | 1/4 | 218.04 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 2,149.53 | 1/2 | 1,761.37 | 1/2 | 1,373.21 | 1/2 | 985.05 | 1/2 | 597.71 | 1/2 | 209.96 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 2,141.45 | 3/4 | 1,753.28 | 3/4 | 1,365.12 | 3/4 | 976.96 | 3/4 | 589.63 | 3/4 | 201.88 | 3/4 | | 3/4 | | 3/4 | | | |
| 11 | 2,133.36 | 11 | 1,745.20 | 11 | 1,357.04 | 11 | 968.87 | 11 | 581.55 | 11 | 193.81 | 11 | | 11 | | 11 | | | |
| 1/4 | 2,125.27 | 1/4 | 1,737.11 | 1/4 | 1,348.95 | 1/4 | 960.79 | 1/4 | 573.47 | 1/4 | 185.73 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 2,117.19 | 1/2 | 1,729.02 | 1/2 | 1,340.86 | 1/2 | 952.70 | 1/2 | 565.39 | 1/2 | 177.65 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 2,109.10 | 3/4 | 1,720.94 | 3/4 | 1,332.78 | 3/4 | 944.61 | 3/4 | 557.32 | 3/4 | 169.57 | 3/4 | | 3/4 | | 3/4 | | | |

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PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 28046"

2 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 1/4"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|-----|-------|-----|-------|-----|-------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0 | | 0 | | 0 | | 0 | 5,100.41 | 0 | 4,763.32 | 0 | 4,408.91 | 0 | 4,037.74 | 0 | 3,652.01 | 0 | 3,263.49 | 0 | 2,874.94 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,093.50 | 1/4 | 4,756.16 | 1/4 | 4,401.35 | 1/4 | 4,029.84 | 1/4 | 3,643.91 | 1/4 | 3,255.40 | 1/4 | 2,866.84 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,086.57 | 1/2 | 4,748.98 | 1/2 | 4,393.76 | 1/2 | 4,021.93 | 1/2 | 3,635.82 | 1/2 | 3,247.31 | 1/2 | 2,858.75 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,079.64 | 3/4 | 4,741.79 | 3/4 | 4,386.17 | 3/4 | 4,014.01 | 3/4 | 3,627.72 | 3/4 | 3,239.21 | 3/4 | 2,850.65 |
| 1 | | 1 | | 1 | | 1 | 5,072.71 | 1 | 4,734.61 | 1 | 4,378.58 | 1 | 4,006.09 | 1 | 3,619.63 | 1 | 3,231.12 | 1 | 2,842.55 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,065.78 | 1/4 | 4,727.42 | 1/4 | 4,370.99 | 1/4 | 3,998.17 | 1/4 | 3,611.54 | 1/4 | 3,223.02 | 1/4 | 2,834.46 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,058.82 | 1/2 | 4,720.20 | 1/2 | 4,363.38 | 1/2 | 3,990.22 | 1/2 | 3,603.44 | 1/2 | 3,214.93 | 1/2 | 2,826.36 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,051.87 | 3/4 | 4,712.99 | 3/4 | 4,355.76 | 3/4 | 3,982.27 | 3/4 | 3,595.35 | 3/4 | 3,206.84 | 3/4 | 2,818.26 |
| 2 | | 2 | | 2 | | 2 | 5,044.91 | 2 | 4,705.77 | 2 | 4,348.15 | 2 | 3,974.32 | 2 | 3,587.25 | 2 | 3,198.74 | 2 | 2,810.17 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,037.96 | 1/4 | 4,698.55 | 1/4 | 4,340.53 | 1/4 | 3,966.36 | 1/4 | 3,579.16 | 1/4 | 3,190.65 | 1/4 | 2,802.07 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,030.97 | 1/2 | 4,691.31 | 1/2 | 4,332.89 | 1/2 | 3,958.39 | 1/2 | 3,571.07 | 1/2 | 3,182.55 | 1/2 | 2,793.98 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,023.98 | 3/4 | 4,684.07 | 3/4 | 4,325.25 | 3/4 | 3,950.42 | 3/4 | 3,562.97 | 3/4 | 3,174.46 | 3/4 | 2,785.88 |
| 3 | | 3 | | 3 | | 3 | 5,016.99 | 3 | 4,676.83 | 3 | 4,317.61 | 3 | 3,942.44 | 3 | 3,554.88 | 3 | 3,166.37 | 3 | 2,777.78 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,010.01 | 1/4 | 4,669.59 | 1/4 | 4,309.97 | 1/4 | 3,934.47 | 1/4 | 3,546.78 | 1/4 | 3,158.27 | 1/4 | 2,769.69 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,003.06 | 1/2 | 4,662.25 | 1/2 | 4,302.30 | 1/2 | 3,926.47 | 1/2 | 3,538.69 | 1/2 | 3,150.18 | 1/2 | 2,761.59 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,996.12 | 3/4 | 4,654.91 | 3/4 | 4,294.63 | 3/4 | 3,918.47 | 3/4 | 3,530.60 | 3/4 | 3,142.08 | 3/4 | 2,753.49 |
| 4 | | 4 | | 4 | | 4 | 4,989.18 | 4 | 4,647.57 | 4 | 4,286.96 | 4 | 3,910.47 | 4 | 3,522.50 | 4 | 3,133.99 | 4 | 2,745.40 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,982.24 | 1/4 | 4,640.24 | 1/4 | 4,279.29 | 1/4 | 3,902.47 | 1/4 | 3,514.41 | 1/4 | 3,125.90 | 1/4 | 2,737.30 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,975.27 | 1/2 | 4,632.87 | 1/2 | 4,271.59 | 1/2 | 3,894.44 | 1/2 | 3,506.31 | 1/2 | 3,117.80 | 1/2 | 2,729.21 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,968.30 | 3/4 | 4,625.50 | 3/4 | 4,263.89 | 3/4 | 3,886.41 | 3/4 | 3,498.22 | 3/4 | 3,109.71 | 3/4 | 2,721.11 |
| 5 | | 5 | | 5 | | 5 | 4,961.34 | 5 | 4,618.13 | 5 | 4,256.20 | 5 | 3,878.37 | 5 | 3,490.13 | 5 | 3,101.61 | 5 | 2,713.01 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,954.37 | 1/4 | 4,610.76 | 1/4 | 4,248.50 | 1/4 | 3,870.34 | 1/4 | 3,482.03 | 1/4 | 3,093.52 | 1/4 | 2,704.92 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,947.37 | 1/2 | 4,603.37 | 1/2 | 4,240.77 | 1/2 | 3,862.28 | 1/2 | 3,473.94 | 1/2 | 3,085.43 | 1/2 | 2,696.82 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,940.37 | 3/4 | 4,595.97 | 3/4 | 4,233.04 | 3/4 | 3,854.23 | 3/4 | 3,465.84 | 3/4 | 3,077.33 | 3/4 | 2,688.72 |
| 6 | | 6 | | 6 | | 6 | 4,933.38 | 6 | 4,588.58 | 6 | 4,225.30 | 6 | 3,846.17 | 6 | 3,457.75 | 6 | 3,069.24 | 6 | 2,680.63 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,926.38 | 1/4 | 4,581.18 | 1/4 | 4,217.57 | 1/4 | 3,838.12 | 1/4 | 3,449.66 | 1/4 | 3,061.14 | 1/4 | 2,672.53 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,919.36 | 1/2 | 4,573.75 | 1/2 | 4,209.82 | 1/2 | 3,830.03 | 1/2 | 3,441.56 | 1/2 | 3,053.05 | 1/2 | 2,664.43 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,262.82 | 3/4 | 4,912.33 | 3/4 | 4,566.32 | 3/4 | 4,202.07 | 3/4 | 3,821.95 | 3/4 | 3,433.47 | 3/4 | 3,044.96 |
| 7 | | 7 | | 7 | | 7 | 5,256.75 | 7 | 4,905.31 | 7 | 4,558.90 | 7 | 4,194.31 | 7 | 3,813.87 | 7 | 3,425.37 | 7 | 3,036.86 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,250.67 | 1/4 | 4,898.29 | 1/4 | 4,551.47 | 1/4 | 4,186.56 | 1/4 | 3,805.79 | 1/4 | 3,417.28 | 1/4 | 3,028.77 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,242.58 | 1/2 | 4,891.23 | 1/2 | 4,544.02 | 1/2 | 4,178.78 | 1/2 | 3,797.70 | 1/2 | 3,409.19 | 1/2 | 3,020.67 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,234.48 | 3/4 | 4,884.17 | 3/4 | 4,536.56 | 3/4 | 4,171.00 | 3/4 | 3,789.60 | 3/4 | 3,401.09 | 3/4 | 3,012.58 |
| 8 | | 8 | | 8 | | 8 | 5,226.38 | 8 | 4,877.12 | 8 | 4,529.11 | 8 | 4,163.22 | 8 | 3,781.51 | 8 | 3,393.00 | 8 | 3,004.48 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,218.29 | 1/4 | 4,870.06 | 1/4 | 4,521.66 | 1/4 | 4,155.45 | 1/4 | 3,773.42 | 1/4 | 3,384.90 | 1/4 | 2,996.38 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,210.19 | 1/2 | 4,862.99 | 1/2 | 4,514.19 | 1/2 | 4,147.63 | 1/2 | 3,765.32 | 1/2 | 3,376.81 | 1/2 | 2,988.29 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,202.10 | 3/4 | 4,855.91 | 3/4 | 4,506.71 | 3/4 | 4,139.82 | 3/4 | 3,757.23 | 3/4 | 3,368.72 | 3/4 | 2,980.19 |
| 9 | | 9 | | 9 | | 9 | 5,194.00 | 9 | 4,848.83 | 9 | 4,499.23 | 9 | 4,132.01 | 9 | 3,749.13 | 9 | 3,360.62 | 9 | 2,972.09 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,185.90 | 1/4 | 4,841.75 | 1/4 | 4,491.76 | 1/4 | 4,124.20 | 1/4 | 3,741.04 | 1/4 | 3,352.53 | 1/4 | 2,964.00 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,177.81 | 1/2 | 4,834.65 | 1/2 | 4,484.25 | 1/2 | 4,116.36 | 1/2 | 3,732.95 | 1/2 | 3,344.43 | 1/2 | 2,955.90 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,169.71 | 3/4 | 4,827.55 | 3/4 | 4,476.74 | 3/4 | 4,108.53 | 3/4 | 3,724.85 | 3/4 | 3,336.34 | 3/4 | 2,947.81 |
| 10 | | 10 | | 10 | | 10 | 5,161.61 | 10 | 4,820.44 | 10 | 4,469.23 | 10 | 4,100.69 | 10 | 3,716.76 | 10 | 3,328.25 | 10 | 2,939.71 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,153.52 | 1/4 | 4,813.34 | 1/4 | 4,461.72 | 1/4 | 4,092.86 | 1/4 | 3,708.66 | 1/4 | 3,320.15 | 1/4 | 2,931.61 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,145.42 | 1/2 | 4,806.21 | 1/2 | 4,454.19 | 1/2 | 4,085.00 | 1/2 | 3,700.57 | 1/2 | 3,312.06 | 1/2 | 2,923.52 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,137.33 | 3/4 | 4,799.07 | 3/4 | 4,446.65 | 3/4 | 4,077.13 | 3/4 | 3,692.48 | 3/4 | 3,303.96 | 3/4 | 2,915.42 |
| 11 | | 11 | | 11 | | 11 | 5,129.23 | 11 | 4,791.93 | 11 | 4,439.12 | 11 | 4,069.27 | 11 | 3,684.38 | 11 | 3,295.87 | 11 | 2,907.32 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,121.13 | 1/4 | 4,784.80 | 1/4 | 4,431.59 | 1/4 | 4,061.41 | 1/4 | 3,676.29 | 1/4 | 3,287.78 | 1/4 | 2,899.23 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,114.23 | 1/2 | 4,777.64 | 1/2 | 4,424.03 | 1/2 | 4,053.52 | 1/2 | 3,668.19 | 1/2 | 3,279.68 | 1/2 | 2,891.13 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,107.32 | 3/4 | 4,770.48 | 3/4 | 4,416.47 | 3/4 | 4,045.63 | 3/4 | 3,660.10 | 3/4 | 3,271.59 | 3/4 | 2,883.03 |

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'-10" OFF CENTERLINE AND 44'-08" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT & ANALYSIS, INC.

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Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28046"

2 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 1/4"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 2,486.32 | 0 | 2,097.69 | 0 | 1,709.07 | 0 | 1,320.45 | 0 | 932.28 | 0 | 558.75 | 0 | 170.32 | 0 | | 0 | | 0 | |
| 1/4 | 2,478.22 | 1/4 | 2,089.60 | 1/4 | 1,700.97 | 1/4 | 1,312.35 | 1/4 | 924.34 | 1/4 | 550.81 | 1/4 | 162.23 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,470.12 | 1/2 | 2,081.50 | 1/2 | 1,692.88 | 1/2 | 1,304.26 | 1/2 | 916.55 | 1/2 | 542.71 | 1/2 | 154.13 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,462.03 | 3/4 | 2,073.40 | 3/4 | 1,684.78 | 3/4 | 1,296.16 | 3/4 | 908.77 | 3/4 | 534.61 | 3/4 | 146.04 | 3/4 | | 3/4 | | 3/4 | |
| 1 | 2,453.93 | 1 | 2,065.31 | 1 | 1,676.69 | 1 | 1,288.06 | 1 | 900.98 | 1 | 526.52 | 1 | 137.94 | 1 | | 1 | | 1 | |
| 1/4 | 2,445.83 | 1/4 | 2,057.21 | 1/4 | 1,668.59 | 1/4 | 1,279.97 | 1/4 | 893.19 | 1/4 | 518.42 | 1/4 | 129.84 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,437.74 | 1/2 | 2,049.12 | 1/2 | 1,660.49 | 1/2 | 1,271.87 | 1/2 | 885.42 | 1/2 | 510.33 | 1/2 | 121.75 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,429.64 | 3/4 | 2,041.02 | 3/4 | 1,652.40 | 3/4 | 1,263.77 | 3/4 | 877.65 | 3/4 | 502.23 | 3/4 | 113.65 | 3/4 | | 3/4 | | 3/4 | |
| 2 | 2,421.55 | 2 | 2,032.92 | 2 | 1,644.30 | 2 | 1,255.68 | 2 | 869.88 | 2 | 494.14 | 2 | 105.56 | 2 | | 2 | | 2 | |
| 1/4 | 2,413.45 | 1/4 | 2,024.83 | 1/4 | 1,636.20 | 1/4 | 1,247.58 | 1/4 | 862.10 | 1/4 | 486.04 | 1/4 | 97.46 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,405.35 | 1/2 | 2,016.73 | 1/2 | 1,628.11 | 1/2 | 1,239.49 | 1/2 | 854.34 | 1/2 | 477.95 | 1/2 | 89.37 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,397.26 | 3/4 | 2,008.63 | 3/4 | 1,620.01 | 3/4 | 1,231.39 | 3/4 | 846.58 | 3/4 | 469.85 | 3/4 | 81.27 | 3/4 | | 3/4 | | 3/4 | |
| 3 | 2,389.16 | 3 | 2,000.54 | 3 | 1,611.92 | 3 | 1,223.29 | 3 | 838.82 | 3 | 461.76 | 3 | 73.18 | 3 | | 3 | | 3 | |
| 1/4 | 2,381.06 | 1/4 | 1,992.44 | 1/4 | 1,603.82 | 1/4 | 1,215.20 | 1/4 | 831.06 | 1/4 | 453.66 | 1/4 | 65.08 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,372.97 | 1/2 | 1,984.35 | 1/2 | 1,595.72 | 1/2 | 1,207.10 | 1/2 | 823.30 | 1/2 | 445.57 | 1/2 | 58.00 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,364.87 | 3/4 | 1,976.25 | 3/4 | 1,587.63 | 3/4 | 1,199.00 | 3/4 | 815.53 | 3/4 | 437.47 | 3/4 | 50.91 | 3/4 | | 3/4 | | 3/4 | |
| 4 | 2,356.78 | 4 | 1,968.15 | 4 | 1,579.53 | 4 | 1,190.91 | 4 | 807.77 | 4 | 429.37 | 4 | 43.83 | 4 | | 4 | | 4 | |
| 1/4 | 2,348.68 | 1/4 | 1,960.06 | 1/4 | 1,571.43 | 1/4 | 1,182.81 | 1/4 | 800.01 | 1/4 | 421.28 | 1/4 | 36.74 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,340.58 | 1/2 | 1,951.96 | 1/2 | 1,563.34 | 1/2 | 1,174.72 | 1/2 | 792.25 | 1/2 | 413.18 | 1/2 | 31.68 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,332.49 | 3/4 | 1,943.86 | 3/4 | 1,555.24 | 3/4 | 1,166.62 | 3/4 | 784.49 | 3/4 | 405.09 | 3/4 | 26.62 | 3/4 | | 3/4 | | 3/4 | |
| 5 | 2,324.39 | 5 | 1,935.77 | 5 | 1,547.15 | 5 | 1,158.52 | 5 | 776.72 | 5 | 396.99 | 5 | 21.56 | 5 | | 5 | | 5 | |
| 1/4 | 2,316.29 | 1/4 | 1,927.67 | 1/4 | 1,539.05 | 1/4 | 1,150.43 | 1/4 | 768.96 | 1/4 | 388.90 | 1/4 | 16.50 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,308.20 | 1/2 | 1,919.58 | 1/2 | 1,530.95 | 1/2 | 1,142.33 | 1/2 | 761.20 | 1/2 | 380.80 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,300.10 | 3/4 | 1,911.48 | 3/4 | 1,522.86 | 3/4 | 1,134.23 | 3/4 | 753.44 | 3/4 | 372.71 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 2,292.00 | 6 | 1,903.38 | 6 | 1,514.76 | 6 | 1,126.14 | 6 | 745.68 | 6 | 364.61 | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 2,283.91 | 1/4 | 1,895.29 | 1/4 | 1,506.66 | 1/4 | 1,118.04 | 1/4 | 737.91 | 1/4 | 356.52 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,275.81 | 1/2 | 1,887.19 | 1/2 | 1,498.57 | 1/2 | 1,109.95 | 1/2 | 730.15 | 1/2 | 348.42 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,267.72 | 3/4 | 1,879.09 | 3/4 | 1,490.47 | 3/4 | 1,101.85 | 3/4 | 722.39 | 3/4 | 340.32 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 2,259.62 | 7 | 1,871.00 | 7 | 1,482.37 | 7 | 1,093.75 | 7 | 714.63 | 7 | 332.23 | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 2,251.52 | 1/4 | 1,862.90 | 1/4 | 1,474.28 | 1/4 | 1,085.66 | 1/4 | 706.87 | 1/4 | 324.13 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,243.43 | 1/2 | 1,854.80 | 1/2 | 1,466.18 | 1/2 | 1,077.56 | 1/2 | 699.11 | 1/2 | 316.04 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,235.33 | 3/4 | 1,846.71 | 3/4 | 1,458.09 | 3/4 | 1,069.46 | 3/4 | 691.35 | 3/4 | 307.94 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 2,227.23 | 8 | 1,838.61 | 8 | 1,449.99 | 8 | 1,061.37 | 8 | 683.59 | 8 | 299.85 | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 2,219.14 | 1/4 | 1,830.52 | 1/4 | 1,441.89 | 1/4 | 1,053.27 | 1/4 | 675.83 | 1/4 | 291.75 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,211.04 | 1/2 | 1,822.42 | 1/2 | 1,433.80 | 1/2 | 1,045.17 | 1/2 | 668.07 | 1/2 | 283.66 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,202.95 | 3/4 | 1,814.32 | 3/4 | 1,425.70 | 3/4 | 1,037.08 | 3/4 | 660.31 | 3/4 | 275.56 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 2,194.85 | 9 | 1,806.23 | 9 | 1,417.60 | 9 | 1,028.98 | 9 | 652.55 | 9 | 267.47 | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 2,186.75 | 1/4 | 1,798.13 | 1/4 | 1,409.51 | 1/4 | 1,020.89 | 1/4 | 644.79 | 1/4 | 259.37 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,178.66 | 1/2 | 1,790.03 | 1/2 | 1,401.41 | 1/2 | 1,012.79 | 1/2 | 637.02 | 1/2 | 251.28 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,170.56 | 3/4 | 1,781.94 | 3/4 | 1,393.32 | 3/4 | 1,004.69 | 3/4 | 629.25 | 3/4 | 243.18 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 2,162.46 | 10 | 1,773.84 | 10 | 1,385.22 | 10 | 996.60 | 10 | 621.48 | 10 | 235.08 | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 2,154.37 | 1/4 | 1,765.75 | 1/4 | 1,377.12 | 1/4 | 988.50 | 1/4 | 613.71 | 1/4 | 226.99 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,146.27 | 1/2 | 1,757.65 | 1/2 | 1,369.03 | 1/2 | 980.40 | 1/2 | 605.92 | 1/2 | 218.89 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,138.18 | 3/4 | 1,749.55 | 3/4 | 1,360.93 | 3/4 | 972.31 | 3/4 | 598.14 | 3/4 | 210.80 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 2,130.08 | 11 | 1,741.46 | 11 | 1,352.83 | 11 | 964.21 | 11 | 590.35 | 11 | 202.70 | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 2,121.98 | 1/4 | 1,733.36 | 1/4 | 1,344.74 | 1/4 | 956.12 | 1/4 | 582.57 | 1/4 | 194.61 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,113.89 | 1/2 | 1,725.26 | 1/2 | 1,336.64 | 1/2 | 948.17 | 1/2 | 574.63 | 1/2 | 186.51 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,105.79 | 3/4 | 1,717.17 | 3/4 | 1,328.55 | 3/4 | 940.23 | 3/4 | 566.69 | 3/4 | 178.42 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/21/2006 CL - SW
CALCULATED: 02/17/2022 PMA
REPRINTED: 02/17/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 28046"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. | | |
|-----|-------|-----|-------|-----|-------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0 | | 0 | | 0 | | 0 | 4,500.66 | 0 | 4,244.30 | 0 | 3,975.08 | 0 | 3,693.39 | 0 | 3,398.54 | 0 | 3,042.13 | 0 | 2,680.68 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,495.40 | 1/4 | 4,238.83 | 1/4 | 3,969.32 | 1/4 | 3,687.39 | 1/4 | 3,391.70 | 1/4 | 3,034.60 | 1/4 | 2,673.15 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,490.15 | 1/2 | 4,233.37 | 1/2 | 3,963.57 | 1/2 | 3,681.38 | 1/2 | 3,384.87 | 1/2 | 3,027.07 | 1/2 | 2,665.62 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,484.90 | 3/4 | 4,227.90 | 3/4 | 3,957.81 | 3/4 | 3,675.38 | 3/4 | 3,378.04 | 3/4 | 3,019.54 | 3/4 | 2,658.09 | | |
| 1 | | 1 | | 1 | | 1 | 4,479.64 | 1 | 4,222.44 | 1 | 3,952.06 | 1 | 3,669.38 | 1 | 3,371.20 | 1 | 3,012.01 | 1 | 2,650.56 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,474.37 | 1/4 | 4,216.95 | 1/4 | 3,946.28 | 1/4 | 3,663.35 | 1/4 | 3,364.09 | 1/4 | 3,004.48 | 1/4 | 2,643.03 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,469.10 | 1/2 | 4,211.46 | 1/2 | 3,940.51 | 1/2 | 3,657.32 | 1/2 | 3,356.98 | 1/2 | 2,996.95 | 1/2 | 2,635.50 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,463.82 | 3/4 | 4,205.97 | 3/4 | 3,934.73 | 3/4 | 3,651.29 | 3/4 | 3,349.87 | 3/4 | 2,989.42 | 3/4 | 2,627.96 | | |
| 2 | | 2 | | 2 | | 2 | 4,458.55 | 2 | 4,200.48 | 2 | 3,928.96 | 2 | 3,645.26 | 2 | 3,342.75 | 2 | 2,981.89 | 2 | 2,620.43 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,453.25 | 1/4 | 4,194.98 | 1/4 | 3,923.17 | 1/4 | 3,639.21 | 1/4 | 3,335.36 | 1/4 | 2,974.36 | 1/4 | 2,612.90 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,447.95 | 1/2 | 4,189.47 | 1/2 | 3,917.37 | 1/2 | 3,633.17 | 1/2 | 3,327.97 | 1/2 | 2,966.84 | 1/2 | 2,605.37 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,442.66 | 3/4 | 4,183.96 | 3/4 | 3,911.58 | 3/4 | 3,627.12 | 3/4 | 3,320.58 | 3/4 | 2,959.31 | 3/4 | 2,597.84 | | |
| 3 | | 3 | | 3 | | 3 | 4,437.36 | 3 | 4,178.46 | 3 | 3,905.79 | 3 | 3,621.07 | 3 | 3,313.19 | 3 | 2,951.78 | 3 | 2,590.31 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,432.08 | 1/4 | 4,172.89 | 1/4 | 3,899.97 | 1/4 | 3,615.01 | 1/4 | 3,305.66 | 1/4 | 2,944.25 | 1/4 | 2,582.78 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,426.80 | 1/2 | 4,167.33 | 1/2 | 3,894.16 | 1/2 | 3,608.94 | 1/2 | 3,298.13 | 1/2 | 2,936.72 | 1/2 | 2,575.25 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,421.52 | 3/4 | 4,161.76 | 3/4 | 3,888.34 | 3/4 | 3,602.88 | 3/4 | 3,290.60 | 3/4 | 2,929.19 | 3/4 | 2,567.72 | | |
| 4 | | 4 | | 4 | | 4 | 4,416.24 | 4 | 4,156.20 | 4 | 3,882.52 | 4 | 3,596.81 | 4 | 3,283.07 | 4 | 2,921.66 | 4 | 2,560.18 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,410.94 | 1/4 | 4,150.61 | 1/4 | 3,876.69 | 1/4 | 3,590.72 | 1/4 | 3,275.54 | 1/4 | 2,914.13 | 1/4 | 2,552.65 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,405.64 | 1/2 | 4,145.03 | 1/2 | 3,870.85 | 1/2 | 3,584.63 | 1/2 | 3,268.02 | 1/2 | 2,906.60 | 1/2 | 2,545.12 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,400.34 | 3/4 | 4,139.44 | 3/4 | 3,865.01 | 3/4 | 3,578.54 | 3/4 | 3,260.49 | 3/4 | 2,899.07 | 3/4 | 2,537.59 | | |
| 5 | | 5 | | 5 | | 5 | 4,395.05 | 5 | 4,133.85 | 5 | 3,859.18 | 5 | 3,572.45 | 5 | 3,252.96 | 5 | 2,891.54 | 5 | 2,530.06 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,389.72 | 1/4 | 4,128.24 | 1/4 | 3,853.32 | 1/4 | 3,566.34 | 1/4 | 3,245.43 | 1/4 | 2,884.01 | 1/4 | 2,522.53 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,384.40 | 1/2 | 4,122.64 | 1/2 | 3,847.45 | 1/2 | 3,560.23 | 1/2 | 3,237.90 | 1/2 | 2,876.48 | 1/2 | 2,515.00 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,379.08 | 3/4 | 4,117.03 | 3/4 | 3,841.59 | 3/4 | 3,554.12 | 3/4 | 3,230.37 | 3/4 | 2,868.95 | 3/4 | 2,507.47 | | |
| 6 | | 6 | | 6 | | 6 | 4,373.76 | 6 | 4,111.42 | 6 | 3,835.73 | 6 | 3,548.02 | 6 | 3,222.84 | 6 | 2,861.42 | 6 | 2,499.94 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,368.42 | 1/4 | 4,105.79 | 1/4 | 3,829.85 | 1/4 | 3,541.89 | 1/4 | 3,215.31 | 1/4 | 2,853.89 | 1/4 | 2,492.40 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,629.03 | 1/2 | 4,363.08 | 1/2 | 4,100.16 | 1/2 | 3,823.97 | 1/2 | 3,535.76 | 1/2 | 3,207.78 | 1/2 | 2,846.36 | 1/2 | 2,484.87 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,624.42 | 3/4 | 4,357.73 | 3/4 | 4,094.53 | 3/4 | 3,818.09 | 3/4 | 3,529.63 | 3/4 | 3,200.25 | 3/4 | 2,838.83 | 3/4 | 2,477.34 |
| 7 | | 7 | | 7 | | 7 | 4,619.82 | 7 | 4,352.39 | 7 | 4,088.89 | 7 | 3,812.22 | 7 | 3,523.51 | 7 | 3,192.72 | 7 | 2,831.30 | 7 | 2,469.81 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,613.68 | 1/4 | 4,347.03 | 1/4 | 4,083.24 | 1/4 | 3,806.32 | 1/4 | 3,517.37 | 1/4 | 3,185.19 | 1/4 | 2,823.77 | 1/4 | 2,462.28 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,607.54 | 1/2 | 4,341.66 | 1/2 | 4,077.60 | 1/2 | 3,800.42 | 1/2 | 3,511.23 | 1/2 | 3,177.66 | 1/2 | 2,816.24 | 1/2 | 2,454.75 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,601.40 | 3/4 | 4,336.29 | 3/4 | 4,071.95 | 3/4 | 3,794.52 | 3/4 | 3,505.09 | 3/4 | 3,170.13 | 3/4 | 2,808.71 | 3/4 | 2,447.22 |
| 8 | | 8 | | 8 | | 8 | 4,595.26 | 8 | 4,330.93 | 8 | 4,066.30 | 8 | 3,788.62 | 8 | 3,498.96 | 8 | 3,162.60 | 8 | 2,801.18 | 8 | 2,439.69 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,589.13 | 1/4 | 4,325.54 | 1/4 | 4,060.63 | 1/4 | 3,782.70 | 1/4 | 3,492.82 | 1/4 | 3,155.07 | 1/4 | 2,793.65 | 1/4 | 2,432.16 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,582.99 | 1/2 | 4,320.16 | 1/2 | 4,054.96 | 1/2 | 3,776.78 | 1/2 | 3,486.68 | 1/2 | 3,147.54 | 1/2 | 2,786.12 | 1/2 | 2,424.62 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,576.85 | 3/4 | 4,314.78 | 3/4 | 4,049.29 | 3/4 | 3,770.85 | 3/4 | 3,480.55 | 3/4 | 3,140.01 | 3/4 | 2,778.59 | 3/4 | 2,417.09 |
| 9 | | 9 | | 9 | | 9 | 4,570.71 | 9 | 4,309.40 | 9 | 4,043.62 | 9 | 3,764.93 | 9 | 3,474.41 | 9 | 3,132.48 | 9 | 2,771.06 | 9 | 2,409.56 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,564.57 | 1/4 | 4,303.99 | 1/4 | 4,037.93 | 1/4 | 3,758.99 | 1/4 | 3,468.27 | 1/4 | 3,124.95 | 1/4 | 2,763.52 | 1/4 | 2,402.03 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,558.43 | 1/2 | 4,298.59 | 1/2 | 4,032.23 | 1/2 | 3,753.05 | 1/2 | 3,462.14 | 1/2 | 3,117.43 | 1/2 | 2,755.99 | 1/2 | 2,394.50 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,552.30 | 3/4 | 4,293.19 | 3/4 | 4,026.54 | 3/4 | 3,747.11 | 3/4 | 3,456.00 | 3/4 | 3,109.90 | 3/4 | 2,748.46 | 3/4 | 2,386.97 |
| 10 | | 10 | | 10 | | 10 | 4,546.16 | 10 | 4,287.79 | 10 | 4,020.85 | 10 | 3,741.17 | 10 | 3,449.86 | 10 | 3,102.37 | 10 | 2,740.93 | 10 | 2,379.44 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,540.02 | 1/4 | 4,282.36 | 1/4 | 4,015.13 | 1/4 | 3,735.21 | 1/4 | 3,443.58 | 1/4 | 3,094.84 | 1/4 | 2,733.40 | 1/4 | 2,371.91 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,533.88 | 1/2 | 4,276.93 | 1/2 | 4,009.42 | 1/2 | 3,729.25 | 1/2 | 3,437.31 | 1/2 | 3,087.31 | 1/2 | 2,725.87 | 1/2 | 2,364.38 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,527.74 | 3/4 | 4,271.50 | 3/4 | 4,003.71 | 3/4 | 3,723.29 | 3/4 | 3,431.03 | 3/4 | 3,079.78 | 3/4 | 2,718.34 | 3/4 | 2,356.84 |
| 11 | | 11 | | 11 | | 11 | 4,521.60 | 11 | 4,266.08 | 11 | 3,998.00 | 11 | 3,717.33 | 11 | 3,424.76 | 11 | 3,072.25 | 11 | 2,710.81 | 11 | 2,349.31 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,516.37 | 1/4 | 4,260.63 | 1/4 | 3,992.27 | 1/4 | 3,711.34 | 1/4 | 3,418.20 | 1/4 | 3,064.72 | 1/4 | 2,703.28 | 1/4 | 2,341.78 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,511.13 | 1/2 | 4,255.19 | 1/2 | 3,986.54 | 1/2 | 3,705.36 | 1/2 | 3,411.65 | 1/2 | 3,057.19 | 1/2 | 2,695.74 | 1/2 | 2,334.25 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,505.90 | 3/4 | 4,249.74 | 3/4 | 3,980.81 | 3/4 | 3,699.37 | 3/4 | 3,405.09 | 3/4 | 3,049.66 | 3/4 | 2,688.21 | 3/4 | 2,326.72 |

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'-10" OFF CENTERLINE AND 40'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>





BARGE "KIRBY 28046"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 2,319.19 | 0 | 1,957.70 | 0 | 1,596.20 | 0 | 1,234.71 | 0 | 874.02 | 0 | 512.54 | 0 | 151.06 | 0 | | 0 | | 0 | |
| 1/4 | 2,311.66 | 1/4 | 1,950.17 | 1/4 | 1,588.67 | 1/4 | 1,227.18 | 1/4 | 866.49 | 1/4 | 505.01 | 1/4 | 143.53 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,304.13 | 1/2 | 1,942.63 | 1/2 | 1,581.14 | 1/2 | 1,219.65 | 1/2 | 858.96 | 1/2 | 497.48 | 1/2 | 136.00 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,296.60 | 3/4 | 1,935.10 | 3/4 | 1,573.61 | 3/4 | 1,212.12 | 3/4 | 851.43 | 3/4 | 489.95 | 3/4 | 128.47 | 3/4 | | 3/4 | | 3/4 | |
| 1 | 2,289.06 | 1 | 1,927.57 | 1 | 1,566.08 | 1 | 1,204.59 | 1 | 843.90 | 1 | 482.42 | 1 | 120.94 | 1 | | 1 | | 1 | |
| 1/4 | 2,281.53 | 1/4 | 1,920.04 | 1/4 | 1,558.55 | 1/4 | 1,197.06 | 1/4 | 836.37 | 1/4 | 474.89 | 1/4 | 113.41 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,274.00 | 1/2 | 1,912.51 | 1/2 | 1,551.02 | 1/2 | 1,189.52 | 1/2 | 828.84 | 1/2 | 467.36 | 1/2 | 105.88 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,266.47 | 3/4 | 1,904.98 | 3/4 | 1,543.49 | 3/4 | 1,181.99 | 3/4 | 821.31 | 3/4 | 459.83 | 3/4 | 98.35 | 3/4 | | 3/4 | | 3/4 | |
| 2 | 2,258.94 | 2 | 1,897.45 | 2 | 1,535.95 | 2 | 1,174.46 | 2 | 813.77 | 2 | 452.30 | 2 | 90.82 | 2 | | 2 | | 2 | |
| 1/4 | 2,251.41 | 1/4 | 1,889.92 | 1/4 | 1,528.42 | 1/4 | 1,166.93 | 1/4 | 806.24 | 1/4 | 444.77 | 1/4 | 83.29 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,243.88 | 1/2 | 1,882.39 | 1/2 | 1,520.89 | 1/2 | 1,159.40 | 1/2 | 798.71 | 1/2 | 437.23 | 1/2 | 75.76 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,236.35 | 3/4 | 1,874.85 | 3/4 | 1,513.36 | 3/4 | 1,151.87 | 3/4 | 791.18 | 3/4 | 429.70 | 3/4 | 68.23 | 3/4 | | 3/4 | | 3/4 | |
| 3 | 2,228.82 | 3 | 1,867.32 | 3 | 1,505.83 | 3 | 1,144.34 | 3 | 783.65 | 3 | 422.17 | 3 | 60.69 | 3 | | 3 | | 3 | |
| 1/4 | 2,221.29 | 1/4 | 1,859.79 | 1/4 | 1,498.30 | 1/4 | 1,136.81 | 1/4 | 776.12 | 1/4 | 414.64 | 1/4 | 54.10 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,213.75 | 1/2 | 1,852.26 | 1/2 | 1,490.77 | 1/2 | 1,129.28 | 1/2 | 768.59 | 1/2 | 407.11 | 1/2 | 47.51 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,206.22 | 3/4 | 1,844.73 | 3/4 | 1,483.24 | 3/4 | 1,121.74 | 3/4 | 761.06 | 3/4 | 399.58 | 3/4 | 40.92 | 3/4 | | 3/4 | | 3/4 | |
| 4 | 2,198.69 | 4 | 1,837.20 | 4 | 1,475.71 | 4 | 1,114.21 | 4 | 753.53 | 4 | 392.05 | 4 | 34.33 | 4 | | 4 | | 4 | |
| 1/4 | 2,191.16 | 1/4 | 1,829.67 | 1/4 | 1,468.18 | 1/4 | 1,106.71 | 1/4 | 746.00 | 1/4 | 384.52 | 1/4 | 29.63 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,183.63 | 1/2 | 1,822.14 | 1/2 | 1,460.64 | 1/2 | 1,099.20 | 1/2 | 738.47 | 1/2 | 376.99 | 1/2 | 24.92 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,176.10 | 3/4 | 1,814.61 | 3/4 | 1,453.11 | 3/4 | 1,091.70 | 3/4 | 730.94 | 3/4 | 369.46 | 3/4 | 20.22 | 3/4 | | 3/4 | | 3/4 | |
| 5 | 2,168.57 | 5 | 1,807.07 | 5 | 1,445.58 | 5 | 1,084.19 | 5 | 723.41 | 5 | 361.93 | 5 | 15.51 | 5 | | 5 | | 5 | |
| 1/4 | 2,161.04 | 1/4 | 1,799.54 | 1/4 | 1,438.05 | 1/4 | 1,076.68 | 1/4 | 715.87 | 1/4 | 354.40 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,153.51 | 1/2 | 1,792.01 | 1/2 | 1,430.52 | 1/2 | 1,069.18 | 1/2 | 708.34 | 1/2 | 346.87 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,145.97 | 3/4 | 1,784.48 | 3/4 | 1,422.99 | 3/4 | 1,061.67 | 3/4 | 700.81 | 3/4 | 339.33 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 2,138.44 | 6 | 1,776.95 | 6 | 1,415.46 | 6 | 1,054.17 | 6 | 693.28 | 6 | 331.80 | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 2,130.91 | 1/4 | 1,769.42 | 1/4 | 1,407.93 | 1/4 | 1,046.66 | 1/4 | 685.75 | 1/4 | 324.27 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,123.38 | 1/2 | 1,761.89 | 1/2 | 1,400.40 | 1/2 | 1,039.15 | 1/2 | 678.22 | 1/2 | 316.74 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,115.85 | 3/4 | 1,754.36 | 3/4 | 1,392.86 | 3/4 | 1,031.65 | 3/4 | 670.69 | 3/4 | 309.21 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 2,108.32 | 7 | 1,746.83 | 7 | 1,385.33 | 7 | 1,024.14 | 7 | 663.16 | 7 | 301.68 | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 2,100.79 | 1/4 | 1,739.29 | 1/4 | 1,377.80 | 1/4 | 1,016.64 | 1/4 | 655.63 | 1/4 | 294.15 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,093.26 | 1/2 | 1,731.76 | 1/2 | 1,370.27 | 1/2 | 1,009.13 | 1/2 | 648.10 | 1/2 | 286.62 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,085.73 | 3/4 | 1,724.23 | 3/4 | 1,362.74 | 3/4 | 1,001.62 | 3/4 | 640.57 | 3/4 | 279.09 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 2,078.19 | 8 | 1,716.70 | 8 | 1,355.21 | 8 | 994.12 | 8 | 633.04 | 8 | 271.56 | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 2,070.66 | 1/4 | 1,709.17 | 1/4 | 1,347.68 | 1/4 | 986.61 | 1/4 | 625.50 | 1/4 | 264.03 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,063.13 | 1/2 | 1,701.64 | 1/2 | 1,340.15 | 1/2 | 979.11 | 1/2 | 617.97 | 1/2 | 256.50 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,055.60 | 3/4 | 1,694.11 | 3/4 | 1,332.62 | 3/4 | 971.60 | 3/4 | 610.44 | 3/4 | 248.96 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 2,048.07 | 9 | 1,686.58 | 9 | 1,325.08 | 9 | 964.09 | 9 | 602.91 | 9 | 241.43 | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 2,040.54 | 1/4 | 1,679.05 | 1/4 | 1,317.55 | 1/4 | 956.59 | 1/4 | 595.38 | 1/4 | 233.90 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,033.01 | 1/2 | 1,671.51 | 1/2 | 1,310.02 | 1/2 | 949.08 | 1/2 | 587.85 | 1/2 | 226.37 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,025.48 | 3/4 | 1,663.98 | 3/4 | 1,302.49 | 3/4 | 941.58 | 3/4 | 580.32 | 3/4 | 218.84 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 2,017.95 | 10 | 1,656.45 | 10 | 1,294.96 | 10 | 934.07 | 10 | 572.79 | 10 | 211.31 | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 2,010.41 | 1/4 | 1,648.92 | 1/4 | 1,287.43 | 1/4 | 926.56 | 1/4 | 565.26 | 1/4 | 203.78 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,002.88 | 1/2 | 1,641.39 | 1/2 | 1,279.90 | 1/2 | 919.06 | 1/2 | 557.73 | 1/2 | 196.25 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,995.35 | 3/4 | 1,633.86 | 3/4 | 1,272.37 | 3/4 | 911.55 | 3/4 | 550.20 | 3/4 | 188.72 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 1,987.82 | 11 | 1,626.33 | 11 | 1,264.84 | 11 | 904.05 | 11 | 542.67 | 11 | 181.19 | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 1,980.29 | 1/4 | 1,618.80 | 1/4 | 1,257.30 | 1/4 | 896.54 | 1/4 | 535.14 | 1/4 | 173.66 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,972.76 | 1/2 | 1,611.27 | 1/2 | 1,249.77 | 1/2 | 889.03 | 1/2 | 527.60 | 1/2 | 166.13 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,965.23 | 3/4 | 1,603.73 | 3/4 | 1,242.24 | 3/4 | 881.53 | 3/4 | 520.07 | 3/4 | 158.60 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/21/2006 CL - SW
RECALCULATED: 02/17/2022 PMA
REPRINTED: 02/17/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 28046"

3 STBD

ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 3/8"

| 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 | 4,481.86 | 0 | 4,226.04 | 0 | 3,957.49 | 0 | 3,676.43 | 0 | 3,382.69 | 0 | 3,028.55 | 0 | 2,668.09 | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,476.63 | 1/4 | 4,220.60 | 1/4 | 3,951.76 | 1/4 | 3,670.45 | 1/4 | 3,376.14 | 1/4 | 3,021.04 | 1/4 | 2,660.58 | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,471.39 | 1/2 | 4,215.15 | 1/2 | 3,946.02 | 1/2 | 3,664.46 | 1/2 | 3,369.45 | 1/2 | 3,013.53 | 1/2 | 2,653.07 | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,466.14 | 3/4 | 4,209.69 | 3/4 | 3,940.27 | 3/4 | 3,658.46 | 3/4 | 3,362.63 | 3/4 | 3,006.02 | 3/4 | 2,645.56 | |
| 1 | 1 | 1 | 1 | 1 | 1 | 4,460.89 | 1 | 4,204.23 | 1 | 3,934.52 | 1 | 3,652.47 | 1 | 3,355.80 | 1 | 2,998.51 | 1 | 2,638.05 | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,455.64 | 1/4 | 4,198.77 | 1/4 | 3,928.77 | 1/4 | 3,646.47 | 1/4 | 3,348.97 | 1/4 | 2,991.00 | 1/4 | 2,630.54 | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,450.38 | 1/2 | 4,193.30 | 1/2 | 3,923.01 | 1/2 | 3,640.46 | 1/2 | 3,342.01 | 1/2 | 2,983.49 | 1/2 | 2,623.03 | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,445.11 | 3/4 | 4,187.82 | 3/4 | 3,917.24 | 3/4 | 3,634.43 | 3/4 | 3,334.90 | 3/4 | 2,975.98 | 3/4 | 2,615.52 | |
| 2 | 2 | 2 | 2 | 2 | 2 | 4,439.84 | 2 | 4,182.33 | 2 | 3,911.48 | 2 | 3,628.41 | 2 | 3,327.79 | 2 | 2,968.47 | 2 | 2,608.01 | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,434.58 | 1/4 | 4,176.85 | 1/4 | 3,905.71 | 1/4 | 3,622.38 | 1/4 | 3,320.69 | 1/4 | 2,960.96 | 1/4 | 2,600.50 | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,429.29 | 1/2 | 4,171.35 | 1/2 | 3,899.93 | 1/2 | 3,616.35 | 1/2 | 3,313.44 | 1/2 | 2,953.46 | 1/2 | 2,592.99 | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,424.00 | 3/4 | 4,165.85 | 3/4 | 3,894.14 | 3/4 | 3,610.31 | 3/4 | 3,306.06 | 3/4 | 2,945.95 | 3/4 | 2,585.48 | |
| 3 | 3 | 3 | 3 | 3 | 3 | 4,418.71 | 3 | 4,160.35 | 3 | 3,888.35 | 3 | 3,604.27 | 3 | 3,298.68 | 3 | 2,938.44 | 3 | 2,577.97 | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,413.42 | 1/4 | 4,154.85 | 1/4 | 3,882.56 | 1/4 | 3,598.23 | 1/4 | 3,291.30 | 1/4 | 2,930.93 | 1/4 | 2,570.46 | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,408.13 | 1/2 | 4,149.32 | 1/2 | 3,876.77 | 1/2 | 3,592.18 | 1/2 | 3,283.85 | 1/2 | 2,923.42 | 1/2 | 2,562.95 | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,402.86 | 3/4 | 4,143.76 | 3/4 | 3,870.95 | 3/4 | 3,586.12 | 3/4 | 3,276.34 | 3/4 | 2,915.91 | 3/4 | 2,555.44 | |
| 4 | 4 | 4 | 4 | 4 | 4 | 4,397.58 | 4 | 4,138.20 | 4 | 3,865.14 | 4 | 3,580.06 | 4 | 3,268.83 | 4 | 2,908.40 | 4 | 2,547.93 | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,392.31 | 1/4 | 4,132.64 | 1/4 | 3,859.33 | 1/4 | 3,574.00 | 1/4 | 3,261.32 | 1/4 | 2,900.89 | 1/4 | 2,540.42 | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,387.02 | 1/2 | 4,127.07 | 1/2 | 3,853.51 | 1/2 | 3,567.93 | 1/2 | 3,253.82 | 1/2 | 2,893.38 | 1/2 | 2,532.91 | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,381.73 | 3/4 | 4,121.49 | 3/4 | 3,847.68 | 3/4 | 3,561.84 | 3/4 | 3,246.31 | 3/4 | 2,885.87 | 3/4 | 2,525.40 | |
| 5 | 5 | 5 | 5 | 5 | 5 | 4,376.44 | 5 | 4,115.91 | 5 | 3,841.85 | 5 | 3,555.75 | 5 | 3,238.80 | 5 | 2,878.37 | 5 | 2,517.89 | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,371.14 | 1/4 | 4,110.32 | 1/4 | 3,836.02 | 1/4 | 3,549.67 | 1/4 | 3,231.29 | 1/4 | 2,870.86 | 1/4 | 2,510.38 | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,365.84 | 1/2 | 4,104.73 | 1/2 | 3,830.17 | 1/2 | 3,543.57 | 1/2 | 3,223.78 | 1/2 | 2,863.35 | 1/2 | 2,502.87 | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,360.52 | 3/4 | 4,099.13 | 3/4 | 3,824.32 | 3/4 | 3,537.47 | 3/4 | 3,216.27 | 3/4 | 2,855.84 | 3/4 | 2,495.36 | |
| 6 | 6 | 6 | 6 | 6 | 6 | 4,355.20 | 6 | 4,093.53 | 6 | 3,818.46 | 6 | 3,531.37 | 6 | 3,208.76 | 6 | 2,848.33 | 6 | 2,487.85 | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,349.88 | 1/4 | 4,087.93 | 1/4 | 3,812.60 | 1/4 | 3,525.27 | 1/4 | 3,201.25 | 1/4 | 2,840.82 | 1/4 | 2,480.34 | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,344.56 | 1/2 | 4,082.31 | 1/2 | 3,806.74 | 1/2 | 3,519.15 | 1/2 | 3,193.74 | 1/2 | 2,833.31 | 1/2 | 2,472.83 | |
| 3/4 | 3/4 | 3/4 | 7/8 | 4,602.27 | 3/4 | 4,339.22 | 3/4 | 4,076.68 | 3/4 | 3,800.86 | 3/4 | 3,513.03 | 3/4 | 3,186.23 | 3/4 | 2,825.80 | 3/4 | 2,465.32 | |
| 7 | 7 | 7 | 7 | 7 | 7 | 4,333.88 | 7 | 4,071.06 | 7 | 3,794.99 | 7 | 3,506.91 | 7 | 3,178.73 | 7 | 2,818.29 | 7 | 2,457.81 | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,328.55 | 1/4 | 4,065.43 | 1/4 | 3,789.12 | 1/4 | 3,500.79 | 1/4 | 3,171.22 | 1/4 | 2,810.78 | 1/4 | 2,450.31 | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,323.20 | 1/2 | 4,059.79 | 1/2 | 3,783.23 | 1/2 | 3,494.66 | 1/2 | 3,163.71 | 1/2 | 2,803.27 | 1/2 | 2,442.80 | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,317.84 | 3/4 | 4,054.15 | 3/4 | 3,777.34 | 3/4 | 3,488.53 | 3/4 | 3,156.20 | 3/4 | 2,795.76 | 3/4 | 2,435.29 | |
| 8 | 8 | 8 | 8 | 8 | 8 | 4,312.48 | 8 | 4,048.50 | 8 | 3,771.45 | 8 | 3,482.40 | 8 | 3,148.69 | 8 | 2,788.25 | 8 | 2,427.79 | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,307.11 | 1/4 | 4,042.86 | 1/4 | 3,765.56 | 1/4 | 3,476.27 | 1/4 | 3,141.18 | 1/4 | 2,780.74 | 1/4 | 2,420.28 | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,301.74 | 1/2 | 4,037.20 | 1/2 | 3,759.65 | 1/2 | 3,470.13 | 1/2 | 3,133.67 | 1/2 | 2,773.23 | 1/2 | 2,412.78 | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,296.37 | 3/4 | 4,031.54 | 3/4 | 3,753.73 | 3/4 | 3,464.00 | 3/4 | 3,126.16 | 3/4 | 2,765.72 | 3/4 | 2,405.27 | |
| 9 | 9 | 9 | 9 | 9 | 9 | 4,290.99 | 9 | 4,025.88 | 9 | 3,747.82 | 9 | 3,457.87 | 9 | 3,118.65 | 9 | 2,758.21 | 9 | 2,397.76 | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,285.61 | 1/4 | 4,020.21 | 1/4 | 3,741.90 | 1/4 | 3,451.74 | 1/4 | 3,111.14 | 1/4 | 2,750.70 | 1/4 | 2,390.26 | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,280.22 | 1/2 | 4,014.54 | 1/2 | 3,735.97 | 1/2 | 3,445.61 | 1/2 | 3,103.64 | 1/2 | 2,743.19 | 1/2 | 2,382.75 | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,274.82 | 3/4 | 4,008.85 | 3/4 | 3,730.03 | 3/4 | 3,439.48 | 3/4 | 3,096.13 | 3/4 | 2,735.68 | 3/4 | 2,375.24 | |
| 10 | 10 | 10 | 10 | 10 | 10 | 4,269.43 | 10 | 4,003.16 | 10 | 3,724.10 | 10 | 3,433.34 | 10 | 3,088.62 | 10 | 2,728.17 | 10 | 2,367.74 | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,264.03 | 1/4 | 3,997.47 | 1/4 | 3,718.16 | 1/4 | 3,427.21 | 1/4 | 3,081.11 | 1/4 | 2,720.66 | 1/4 | 2,360.23 | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,258.62 | 1/2 | 3,991.77 | 1/2 | 3,712.22 | 1/2 | 3,421.01 | 1/2 | 3,073.60 | 1/2 | 2,713.15 | 1/2 | 2,352.72 | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,253.20 | 3/4 | 3,986.07 | 3/4 | 3,706.26 | 3/4 | 3,414.74 | 3/4 | 3,066.09 | 3/4 | 2,705.64 | 3/4 | 2,345.22 | |
| 11 | 11 | 11 | 11 | 11 | 11 | 4,247.77 | 11 | 3,980.36 | 11 | 3,700.31 | 11 | 3,408.47 | 11 | 3,058.58 | 11 | 2,698.13 | 11 | 2,337.71 | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,242.35 | 1/4 | 3,974.65 | 1/4 | 3,694.35 | 1/4 | 3,402.20 | 1/4 | 3,051.07 | 1/4 | 2,690.62 | 1/4 | 2,330.20 | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,236.92 | 1/2 | 3,968.94 | 1/2 | 3,688.39 | 1/2 | 3,395.79 | 1/2 | 3,043.56 | 1/2 | 2,683.11 | 1/2 | 2,322.70 | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,231.48 | 3/4 | 3,963.21 | 3/4 | 3,682.41 | 3/4 | 3,389.24 | 3/4 | 3,036.05 | 3/4 | 2,675.60 | 3/4 | 2,315.19 | |

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'-10" OFF CENTERLINE AND 40'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28046"

3 STBD
ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 3/8"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 2,307.68 | 0 | 1,948.37 | 0 | 1,589.78 | 0 | 1,229.25 | 0 | 875.27 | 0 | 522.38 | 0 | 162.20 | 0 | | 0 | | 0 | |
| 1/4 | 2,300.18 | 1/4 | 1,940.93 | 1/4 | 1,582.27 | 1/4 | 1,221.74 | 1/4 | 867.91 | 1/4 | 515.01 | 1/4 | 154.68 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,292.67 | 1/2 | 1,933.48 | 1/2 | 1,574.76 | 1/2 | 1,214.30 | 1/2 | 860.54 | 1/2 | 507.60 | 1/2 | 147.16 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,285.16 | 3/4 | 1,926.04 | 3/4 | 1,567.25 | 3/4 | 1,206.92 | 3/4 | 853.16 | 3/4 | 500.15 | 3/4 | 139.63 | 3/4 | | 3/4 | | 3/4 | |
| 1 | 2,277.64 | 1 | 1,918.59 | 1 | 1,559.74 | 1 | 1,199.55 | 1 | 845.79 | 1 | 492.71 | 1 | 132.11 | 1 | | 1 | | 1 | |
| 1/4 | 2,270.13 | 1/4 | 1,911.15 | 1/4 | 1,552.23 | 1/4 | 1,192.17 | 1/4 | 838.41 | 1/4 | 485.27 | 1/4 | 124.59 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,262.62 | 1/2 | 1,903.70 | 1/2 | 1,544.72 | 1/2 | 1,184.80 | 1/2 | 831.04 | 1/2 | 477.79 | 1/2 | 117.06 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,255.11 | 3/4 | 1,896.26 | 3/4 | 1,537.20 | 3/4 | 1,177.42 | 3/4 | 823.67 | 3/4 | 470.28 | 3/4 | 109.54 | 3/4 | | 3/4 | | 3/4 | |
| 2 | 2,247.60 | 2 | 1,888.81 | 2 | 1,529.69 | 2 | 1,170.05 | 2 | 816.30 | 2 | 462.76 | 2 | 102.01 | 2 | | 2 | | 2 | |
| 1/4 | 2,240.09 | 1/4 | 1,881.37 | 1/4 | 1,522.18 | 1/4 | 1,162.67 | 1/4 | 808.93 | 1/4 | 455.25 | 1/4 | 94.49 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,232.58 | 1/2 | 1,873.92 | 1/2 | 1,514.67 | 1/2 | 1,155.30 | 1/2 | 801.57 | 1/2 | 447.74 | 1/2 | 86.97 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,225.07 | 3/4 | 1,866.48 | 3/4 | 1,507.16 | 3/4 | 1,147.92 | 3/4 | 794.21 | 3/4 | 440.23 | 3/4 | 79.44 | 3/4 | | 3/4 | | 3/4 | |
| 3 | 2,217.56 | 3 | 1,859.03 | 3 | 1,499.65 | 3 | 1,140.55 | 3 | 786.86 | 3 | 432.72 | 3 | 71.92 | 3 | | 3 | | 3 | |
| 1/4 | 2,210.05 | 1/4 | 1,851.58 | 1/4 | 1,492.14 | 1/4 | 1,133.17 | 1/4 | 779.50 | 1/4 | 425.20 | 1/4 | 64.40 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,202.53 | 1/2 | 1,844.14 | 1/2 | 1,484.63 | 1/2 | 1,125.80 | 1/2 | 772.15 | 1/2 | 417.69 | 1/2 | 57.34 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,195.02 | 3/4 | 1,836.69 | 3/4 | 1,477.12 | 3/4 | 1,118.43 | 3/4 | 764.81 | 3/4 | 410.18 | 3/4 | 50.76 | 3/4 | | 3/4 | | 3/4 | |
| 4 | 2,187.51 | 4 | 1,829.25 | 4 | 1,469.60 | 4 | 1,111.05 | 4 | 757.47 | 4 | 402.67 | 4 | 44.17 | 4 | | 4 | | 4 | |
| 1/4 | 2,180.00 | 1/4 | 1,821.80 | 1/4 | 1,462.09 | 1/4 | 1,103.68 | 1/4 | 750.13 | 1/4 | 395.16 | 1/4 | 37.59 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,172.49 | 1/2 | 1,814.36 | 1/2 | 1,454.58 | 1/2 | 1,096.31 | 1/2 | 742.79 | 1/2 | 387.64 | 1/2 | 31.95 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,164.98 | 3/4 | 1,806.91 | 3/4 | 1,447.07 | 3/4 | 1,088.94 | 3/4 | 735.45 | 3/4 | 380.13 | 3/4 | 27.24 | 3/4 | | 3/4 | | 3/4 | |
| 5 | 2,157.47 | 5 | 1,799.47 | 5 | 1,439.56 | 5 | 1,081.57 | 5 | 728.11 | 5 | 372.62 | 5 | 22.54 | 5 | | 5 | | 5 | |
| 1/4 | 2,149.96 | 1/4 | 1,792.02 | 1/4 | 1,432.05 | 1/4 | 1,074.20 | 1/4 | 720.76 | 1/4 | 365.11 | 1/4 | 17.84 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,142.45 | 1/2 | 1,784.58 | 1/2 | 1,424.54 | 1/2 | 1,066.83 | 1/2 | 713.42 | 1/2 | 357.60 | 1/2 | 15.49 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,134.93 | 3/4 | 1,777.13 | 3/4 | 1,417.03 | 3/4 | 1,059.47 | 3/4 | 706.08 | 3/4 | 350.08 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 2,127.42 | 6 | 1,769.69 | 6 | 1,409.52 | 6 | 1,052.10 | 6 | 698.74 | 6 | 342.57 | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 2,119.91 | 1/4 | 1,762.24 | 1/4 | 1,402.00 | 1/4 | 1,044.73 | 1/4 | 691.39 | 1/4 | 335.06 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,112.40 | 1/2 | 1,754.80 | 1/2 | 1,394.49 | 1/2 | 1,037.36 | 1/2 | 684.05 | 1/2 | 327.55 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,104.89 | 3/4 | 1,747.35 | 3/4 | 1,386.98 | 3/4 | 1,030.00 | 3/4 | 676.71 | 3/4 | 320.03 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 2,097.38 | 7 | 1,739.91 | 7 | 1,379.47 | 7 | 1,022.63 | 7 | 669.36 | 7 | 312.52 | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 2,089.87 | 1/4 | 1,732.46 | 1/4 | 1,371.96 | 1/4 | 1,015.26 | 1/4 | 662.02 | 1/4 | 305.01 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,082.39 | 1/2 | 1,724.98 | 1/2 | 1,364.45 | 1/2 | 1,007.89 | 1/2 | 654.68 | 1/2 | 297.50 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,074.94 | 3/4 | 1,717.47 | 3/4 | 1,356.94 | 3/4 | 1,000.53 | 3/4 | 647.34 | 3/4 | 289.99 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 2,067.50 | 8 | 1,709.96 | 8 | 1,349.43 | 8 | 993.16 | 8 | 639.99 | 8 | 282.47 | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 2,060.05 | 1/4 | 1,702.45 | 1/4 | 1,341.92 | 1/4 | 985.79 | 1/4 | 632.65 | 1/4 | 274.96 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,052.61 | 1/2 | 1,694.94 | 1/2 | 1,334.40 | 1/2 | 978.42 | 1/2 | 625.31 | 1/2 | 267.45 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,045.16 | 3/4 | 1,687.43 | 3/4 | 1,326.89 | 3/4 | 971.05 | 3/4 | 617.96 | 3/4 | 259.94 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 2,037.72 | 9 | 1,679.92 | 9 | 1,319.38 | 9 | 963.69 | 9 | 610.62 | 9 | 252.43 | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 2,030.27 | 1/4 | 1,672.40 | 1/4 | 1,311.87 | 1/4 | 956.32 | 1/4 | 603.28 | 1/4 | 244.91 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,022.83 | 1/2 | 1,664.89 | 1/2 | 1,304.36 | 1/2 | 948.95 | 1/2 | 595.93 | 1/2 | 237.40 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,015.38 | 3/4 | 1,657.38 | 3/4 | 1,296.85 | 3/4 | 941.58 | 3/4 | 588.59 | 3/4 | 229.89 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 2,007.94 | 10 | 1,649.87 | 10 | 1,289.34 | 10 | 934.22 | 10 | 581.25 | 10 | 222.38 | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 2,000.49 | 1/4 | 1,642.36 | 1/4 | 1,281.83 | 1/4 | 926.85 | 1/4 | 573.91 | 1/4 | 214.87 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,993.05 | 1/2 | 1,634.85 | 1/2 | 1,274.32 | 1/2 | 919.48 | 1/2 | 566.56 | 1/2 | 207.35 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,985.60 | 3/4 | 1,627.34 | 3/4 | 1,266.80 | 3/4 | 912.11 | 3/4 | 559.20 | 3/4 | 199.82 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 1,978.16 | 11 | 1,619.83 | 11 | 1,259.29 | 11 | 904.75 | 11 | 551.84 | 11 | 192.30 | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 1,970.71 | 1/4 | 1,612.32 | 1/4 | 1,251.78 | 1/4 | 897.38 | 1/4 | 544.49 | 1/4 | 184.78 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,963.26 | 1/2 | 1,604.80 | 1/2 | 1,244.27 | 1/2 | 890.01 | 1/2 | 537.12 | 1/2 | 177.25 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,955.82 | 3/4 | 1,597.29 | 3/4 | 1,236.76 | 3/4 | 882.64 | 3/4 | 529.75 | 3/4 | 169.73 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/21/2006 CL - SW
CALCULATED: 02/17/2022 PMA
REPRINTED: 02/17/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 28046"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT: 4'-03 1/2"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|
| 0 | 0 | 0 | 108 | 0 | 276 | 0 | 444 | 0 | 552 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 1 | 1/4 | 111 | 1/4 | 280 | 1/4 | 447 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1 | 1/2 | 114 | 1/2 | 283 | 1/2 | 451 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2 | 3/4 | 118 | 3/4 | 287 | 3/4 | 454 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 3 | 1 | 121 | 1 | 291 | 1 | 457 | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 4 | 1/4 | 124 | 1/4 | 294 | 1/4 | 460 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 5 | 1/2 | 127 | 1/2 | 298 | 1/2 | 463 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 7 | 3/4 | 131 | 3/4 | 302 | 3/4 | 466 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 8 | 2 | 134 | 2 | 305 | 2 | 469 | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 9 | 1/4 | 137 | 1/4 | 309 | 1/4 | 472 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 11 | 1/2 | 141 | 1/2 | 313 | 1/2 | 475 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 13 | 3/4 | 144 | 3/4 | 316 | 3/4 | 478 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 14 | 3 | 147 | 3 | 320 | 3 | 481 | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 16 | 1/4 | 151 | 1/4 | 324 | 1/4 | 483 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 18 | 1/2 | 154 | 1/2 | 327 | 1/2 | 486 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 20 | 3/4 | 158 | 3/4 | 331 | 3/4 | 489 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 22 | 4 | 161 | 4 | 334 | 4 | 492 | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 24 | 1/4 | 165 | 1/4 | 338 | 1/4 | 494 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 26 | 1/2 | 168 | 1/2 | 342 | 1/2 | 497 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 28 | 3/4 | 172 | 3/4 | 345 | 3/4 | 500 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 31 | 5 | 175 | 5 | 349 | 5 | 502 | 5 | | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 33 | 1/4 | 179 | 1/4 | 352 | 1/4 | 505 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 35 | 1/2 | 182 | 1/2 | 356 | 1/2 | 507 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 38 | 3/4 | 186 | 3/4 | 360 | 3/4 | 510 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 40 | 6 | 189 | 6 | 363 | 6 | 512 | 6 | | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 42 | 1/4 | 193 | 1/4 | 367 | 1/4 | 515 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 45 | 1/2 | 196 | 1/2 | 370 | 1/2 | 517 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 47 | 3/4 | 200 | 3/4 | 374 | 3/4 | 519 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 50 | 7 | 203 | 7 | 377 | 7 | 522 | 7 | | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 53 | 1/4 | 207 | 1/4 | 381 | 1/4 | 524 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 55 | 1/2 | 211 | 1/2 | 384 | 1/2 | 526 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 58 | 3/4 | 214 | 3/4 | 388 | 3/4 | 528 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 61 | 8 | 218 | 8 | 391 | 8 | 530 | 8 | | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 63 | 1/4 | 221 | 1/4 | 395 | 1/4 | 532 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 66 | 1/2 | 225 | 1/2 | 398 | 1/2 | 534 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 69 | 3/4 | 229 | 3/4 | 401 | 3/4 | 536 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 72 | 9 | 232 | 9 | 405 | 9 | 538 | 9 | | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 75 | 1/4 | 236 | 1/4 | 408 | 1/4 | 540 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 78 | 1/2 | 240 | 1/2 | 412 | 1/2 | 541 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 80 | 3/4 | 243 | 3/4 | 415 | 3/4 | 543 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 83 | 10 | 247 | 10 | 418 | 10 | 544 | 10 | | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 86 | 1/4 | 251 | 1/4 | 422 | 1/4 | 546 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 89 | 1/2 | 254 | 1/2 | 425 | 1/2 | 547 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 92 | 3/4 | 258 | 3/4 | 428 | 3/4 | 548 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 95 | 11 | 261 | 11 | 431 | 11 | 549 | 11 | | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 99 | 1/4 | 265 | 1/4 | 435 | 1/4 | 550 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 102 | 1/2 | 269 | 1/2 | 438 | 1/2 | 551 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 105 | 3/4 | 272 | 3/4 | 441 | 3/4 | 552 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

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.

STRAPPED: 02/14/2022 JS
CALCULATED: 02/15/2022 CL
ISSUED: 02/15/2022 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2022

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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