



BARGE "KIRBY 27723"

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 | 00-3/8 | - 00-3/8 | 00-3/4 | - 00-3/4 | 01-0/8 | - 01-0/8 | 01-3/8 | - 01-3/8 | 01-3/4 | - 01-3/4 | 02-1/8 | - 02-1/8 |
| 1 STBD | 00-3/8 | - 00-3/8 | 00-3/4 | - 00-3/4 | 01-1/8 | - 01-1/8 | 01-1/2 | - 01-1/2 | 01-3/4 | - 01-3/4 | 02-1/8 | - 02-1/8 |
| 2 PORT | 00-3/8 | - 00-3/8 | 00-3/4 | - 00-3/4 | 01-0/8 | - 01-0/8 | 01-3/8 | - 01-3/8 | 01-3/4 | - 01-3/4 | 02-1/8 | - 02-1/8 |
| 2 STBD | 00-3/8 | - 00-3/8 | 00-3/4 | - 00-3/4 | 01-0/8 | - 01-0/8 | 01-3/8 | - 01-3/8 | 01-3/4 | - 01-3/4 | 02-1/8 | - 02-1/8 |
| 3 PORT | 00-3/8 | - 00-3/8 | 00-3/4 | - 00-3/4 | 01-1/8 | - 01-1/8 | 01-3/8 | - 01-3/8 | 01-3/4 | - 01-3/4 | 02-1/8 | - 02-1/8 |
| 3 STBD | 00-3/8 | - 00-3/8 | 00-3/4 | - 00-3/4 | 01-1/8 | - 01-1/8 | 01-3/8 | - 01-3/8 | 01-3/4 | - 01-3/4 | 02-1/8 | - 02-1/8 |

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-3/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 1/4"

LENGTH BETWEEN DRAFT MARKS: 241'-06"

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BARGE "KIRBY 27723"

1 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 5/8"

| 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 | | 0 | 4,501.87 | 0 | 4,168.84 | 0 | 3,812.10 | 0 | 3,445.56 | 0 | 3,079.02 | 0 | 2,712.49 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,495.17 | 1/4 | 4,161.62 | 1/4 | 3,804.47 | 1/4 | 3,437.93 | 1/4 | 3,071.39 | 1/4 | 2,704.85 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,812.90 | 1/2 | 4,488.48 | 1/2 | 4,154.40 | 1/2 | 3,796.83 | 1/2 | 3,430.29 | 1/2 | 3,063.75 | 1/2 | 2,697.21 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,809.48 | 3/4 | 4,481.77 | 3/4 | 4,147.17 | 3/4 | 3,789.19 | 3/4 | 3,422.65 | 3/4 | 3,056.12 | 3/4 | 2,689.58 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4,475.04 | 1 | 4,139.91 | 1 | 3,781.55 | 1 | 3,415.02 | 1 | 3,048.48 | 1 | 2,681.94 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,795.81 | 1/4 | 4,468.32 | 1/4 | 4,132.65 | 1/4 | 3,773.92 | 1/4 | 3,407.38 | 1/4 | 3,040.84 | 1/4 | 2,674.31 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,788.97 | 1/2 | 4,461.59 | 1/2 | 4,125.39 | 1/2 | 3,766.28 | 1/2 | 3,399.74 | 1/2 | 3,033.21 | 1/2 | 2,666.67 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,781.82 | 3/4 | 4,454.84 | 3/4 | 4,118.12 | 3/4 | 3,758.65 | 3/4 | 3,392.11 | 3/4 | 3,025.57 | 3/4 | 2,659.03 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4,448.08 | 2 | 4,110.82 | 2 | 3,751.01 | 2 | 3,384.47 | 2 | 3,017.93 | 2 | 2,651.40 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,766.87 | 1/4 | 4,441.32 | 1/4 | 4,103.53 | 1/4 | 3,743.37 | 1/4 | 3,376.84 | 1/4 | 3,010.30 | 1/4 | 2,643.76 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,759.40 | 1/2 | 4,434.56 | 1/2 | 4,096.23 | 1/2 | 3,735.74 | 1/2 | 3,369.20 | 1/2 | 3,002.66 | 1/2 | 2,636.12 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,751.89 | 3/4 | 4,427.78 | 3/4 | 4,088.92 | 3/4 | 3,728.10 | 3/4 | 3,361.56 | 3/4 | 2,995.03 | 3/4 | 2,628.49 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4,420.98 | 3 | 4,081.59 | 3 | 3,720.46 | 3 | 3,353.93 | 3 | 2,987.39 | 3 | 2,620.85 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,736.78 | 1/4 | 4,414.18 | 1/4 | 4,074.26 | 1/4 | 3,712.83 | 1/4 | 3,346.29 | 1/4 | 2,979.75 | 1/4 | 2,613.22 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,729.23 | 1/2 | 4,407.38 | 1/2 | 4,066.93 | 1/2 | 3,705.19 | 1/2 | 3,338.65 | 1/2 | 2,972.12 | 1/2 | 2,605.58 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,721.82 | 3/4 | 4,400.56 | 3/4 | 4,059.58 | 3/4 | 3,697.56 | 3/4 | 3,331.02 | 3/4 | 2,964.48 | 3/4 | 2,597.94 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4,405.22 | 4 | 4,052.22 | 4 | 3,689.92 | 4 | 3,323.38 | 4 | 2,956.84 | 4 | 2,590.31 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,707.27 | 1/4 | 4,386.89 | 1/4 | 4,044.86 | 1/4 | 3,682.28 | 1/4 | 3,315.75 | 1/4 | 2,949.21 | 1/4 | 2,582.67 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,700.00 | 1/2 | 4,380.05 | 1/2 | 4,037.50 | 1/2 | 3,674.65 | 1/2 | 3,308.11 | 1/2 | 2,941.57 | 1/2 | 2,575.03 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,693.00 | 3/4 | 4,373.20 | 3/4 | 4,030.12 | 3/4 | 3,667.01 | 3/4 | 3,300.47 | 3/4 | 2,933.94 | 3/4 | 2,567.40 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4,366.33 | 5 | 4,022.72 | 5 | 3,659.37 | 5 | 3,292.84 | 5 | 2,926.30 | 5 | 2,559.76 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,679.56 | 1/4 | 4,359.45 | 1/4 | 4,015.32 | 1/4 | 3,651.74 | 1/4 | 3,285.20 | 1/4 | 2,918.66 | 1/4 | 2,552.13 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,672.84 | 1/2 | 4,352.58 | 1/2 | 4,007.92 | 1/2 | 3,644.10 | 1/2 | 3,277.56 | 1/2 | 2,911.03 | 1/2 | 2,544.49 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,666.24 | 3/4 | 4,345.69 | 3/4 | 4,000.50 | 3/4 | 3,636.47 | 3/4 | 3,269.93 | 3/4 | 2,903.39 | 3/4 | 2,536.85 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4,338.77 | 6 | 3,993.07 | 6 | 3,628.83 | 6 | 3,262.29 | 6 | 2,895.75 | 6 | 2,529.22 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,653.29 | 1/4 | 4,331.86 | 1/4 | 3,985.63 | 1/4 | 3,621.19 | 1/4 | 3,254.66 | 1/4 | 2,888.12 | 1/4 | 2,521.58 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,646.82 | 1/2 | 4,324.95 | 1/2 | 3,978.20 | 1/2 | 3,613.56 | 1/2 | 3,247.02 | 1/2 | 2,880.48 | 1/2 | 2,513.94 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,640.33 | 3/4 | 4,318.01 | 3/4 | 3,970.75 | 3/4 | 3,605.92 | 3/4 | 3,239.38 | 3/4 | 2,872.85 | 3/4 | 2,506.31 |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4,311.04 | 7 | 3,963.27 | 7 | 3,598.29 | 7 | 3,231.75 | 7 | 2,865.21 | 7 | 2,498.67 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,627.31 | 1/4 | 4,304.07 | 1/4 | 3,955.80 | 1/4 | 3,590.65 | 1/4 | 3,224.11 | 1/4 | 2,857.57 | 1/4 | 2,491.04 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,620.80 | 1/2 | 4,297.10 | 1/2 | 3,948.33 | 1/2 | 3,583.01 | 1/2 | 3,216.48 | 1/2 | 2,849.94 | 1/2 | 2,483.40 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,614.28 | 3/4 | 4,290.09 | 3/4 | 3,940.84 | 3/4 | 3,575.38 | 3/4 | 3,208.84 | 3/4 | 2,842.30 | 3/4 | 2,475.76 |
| 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 4,283.04 | 8 | 3,933.33 | 8 | 3,567.74 | 8 | 3,201.20 | 8 | 2,834.67 | 8 | 2,468.13 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,601.18 | 1/4 | 4,275.99 | 1/4 | 3,925.82 | 1/4 | 3,560.10 | 1/4 | 3,193.57 | 1/4 | 2,827.03 | 1/4 | 2,460.49 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,594.64 | 1/2 | 4,268.94 | 1/2 | 3,918.31 | 1/2 | 3,552.47 | 1/2 | 3,185.93 | 1/2 | 2,819.39 | 1/2 | 2,452.86 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,588.07 | 3/4 | 4,261.87 | 3/4 | 3,910.78 | 3/4 | 3,544.83 | 3/4 | 3,178.29 | 3/4 | 2,811.76 | 3/4 | 2,445.22 |
| 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 4,254.76 | 9 | 3,903.23 | 9 | 3,537.20 | 9 | 3,170.66 | 9 | 2,804.12 | 9 | 2,437.58 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,574.90 | 1/4 | 4,247.65 | 1/4 | 3,895.68 | 1/4 | 3,529.56 | 1/4 | 3,163.02 | 1/4 | 2,796.48 | 1/4 | 2,429.95 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,568.32 | 1/2 | 4,240.54 | 1/2 | 3,888.13 | 1/2 | 3,521.92 | 1/2 | 3,155.39 | 1/2 | 2,788.85 | 1/2 | 2,422.31 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,561.72 | 3/4 | 4,233.41 | 3/4 | 3,880.57 | 3/4 | 3,514.29 | 3/4 | 3,147.75 | 3/4 | 2,781.21 | 3/4 | 2,414.67 |
| 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 4,226.27 | 10 | 3,872.98 | 10 | 3,506.65 | 10 | 3,140.11 | 10 | 2,773.58 | 10 | 2,407.04 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,548.47 | 1/4 | 4,219.12 | 1/4 | 3,865.40 | 1/4 | 3,499.01 | 1/4 | 3,132.48 | 1/4 | 2,765.94 | 1/4 | 2,399.40 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,541.85 | 1/2 | 4,211.98 | 1/2 | 3,857.81 | 1/2 | 3,491.38 | 1/2 | 3,124.84 | 1/2 | 2,758.30 | 1/2 | 2,391.77 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,535.21 | 3/4 | 4,204.81 | 3/4 | 3,850.21 | 3/4 | 3,483.74 | 3/4 | 3,117.20 | 3/4 | 2,750.67 | 3/4 | 2,384.13 |
| 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 4,197.63 | 11 | 3,842.60 | 11 | 3,476.11 | 11 | 3,109.57 | 11 | 2,743.03 | 11 | 2,376.49 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,521.90 | 1/4 | 4,190.45 | 1/4 | 3,834.98 | 1/4 | 3,468.47 | 1/4 | 3,101.93 | 1/4 | 2,735.39 | 1/4 | 2,368.86 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,515.24 | 1/2 | 4,183.27 | 1/2 | 3,827.36 | 1/2 | 3,460.83 | 1/2 | 3,094.30 | 1/2 | 2,727.76 | 1/2 | 2,361.22 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,508.56 | 3/4 | 4,176.07 | 3/4 | 3,819.74 | 3/4 | 3,453.20 | 3/4 | 3,086.66 | 3/4 | 2,720.12 | 3/4 | 2,353.58 |

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 AT 2" RESTRICTED GAUGE.
 GAUGE POINT: (MANUAL) LOCATED 12'-9" OFF CENTERLINE AND 51'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "KIRBY 27723"

1 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 5/8"

| 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 | 2,345.95 | 0 | 1,979.41 | 0 | 1,612.86 | 0 | 1,246.96 | 0 | 882.54 | 0 | 516.67 | 0 | 177.52 | 0 | | 0 | | | |
| 1/4 | 2,338.31 | 1/4 | 1,971.78 | 1/4 | 1,605.22 | 1/4 | 1,239.32 | 1/4 | 874.96 | 1/4 | 509.26 | 1/4 | 170.84 | 1/4 | | 1/4 | | | |
| 1/2 | 2,330.68 | 1/2 | 1,964.14 | 1/2 | 1,597.59 | 1/2 | 1,231.68 | 1/2 | 867.38 | 1/2 | 501.85 | 1/2 | 164.16 | 1/2 | | 1/2 | | | |
| 3/4 | 2,323.04 | 3/4 | 1,956.50 | 3/4 | 1,589.95 | 3/4 | 1,224.05 | 3/4 | 859.79 | 3/4 | 494.67 | 3/4 | 157.52 | 3/4 | | 3/4 | | | |
| 1 | 2,315.40 | 1 | 1,948.86 | 1 | 1,582.31 | 1 | 1,216.41 | 1 | 852.20 | 1 | 487.72 | 1 | 150.94 | 1 | | 1 | | | |
| 1/4 | 2,307.77 | 1/4 | 1,941.23 | 1/4 | 1,574.68 | 1/4 | 1,208.77 | 1/4 | 844.60 | 1/4 | 480.78 | 1/4 | 144.35 | 1/4 | | 1/4 | | | |
| 1/2 | 2,300.13 | 1/2 | 1,933.59 | 1/2 | 1,567.04 | 1/2 | 1,201.14 | 1/2 | 837.01 | 1/2 | 473.84 | 1/2 | 137.76 | 1/2 | | 1/2 | | | |
| 3/4 | 2,292.50 | 3/4 | 1,925.96 | 3/4 | 1,559.40 | 3/4 | 1,193.51 | 3/4 | 829.40 | 3/4 | 466.92 | 3/4 | 131.33 | 3/4 | | 3/4 | | | |
| 2 | 2,284.86 | 2 | 1,918.32 | 2 | 1,551.77 | 2 | 1,185.88 | 2 | 821.78 | 2 | 460.05 | 2 | 125.06 | 2 | | 2 | | | |
| 1/4 | 2,277.22 | 1/4 | 1,910.68 | 1/4 | 1,544.13 | 1/4 | 1,178.26 | 1/4 | 814.15 | 1/4 | 453.17 | 1/4 | 118.78 | 1/4 | | 1/4 | | | |
| 1/2 | 2,269.59 | 1/2 | 1,903.05 | 1/2 | 1,536.49 | 1/2 | 1,170.64 | 1/2 | 806.53 | 1/2 | 446.29 | 1/2 | 112.50 | 1/2 | | 1/2 | | | |
| 3/4 | 2,261.95 | 3/4 | 1,895.41 | 3/4 | 1,528.86 | 3/4 | 1,163.03 | 3/4 | 798.90 | 3/4 | 439.23 | 3/4 | 106.49 | 3/4 | | 3/4 | | | |
| 3 | 2,254.31 | 3 | 1,887.77 | 3 | 1,521.22 | 3 | 1,155.43 | 3 | 791.27 | 3 | 431.99 | 3 | 100.74 | 3 | | 3 | | | |
| 1/4 | 2,246.68 | 1/4 | 1,880.14 | 1/4 | 1,513.58 | 1/4 | 1,147.84 | 1/4 | 783.63 | 1/4 | 424.76 | 1/4 | 94.99 | 1/4 | | 1/4 | | | |
| 1/2 | 2,239.04 | 1/2 | 1,872.50 | 1/2 | 1,505.95 | 1/2 | 1,140.24 | 1/2 | 775.99 | 1/2 | 417.52 | 1/2 | 89.25 | 1/2 | | 1/2 | | | |
| 3/4 | 2,231.41 | 3/4 | 1,864.86 | 3/4 | 1,498.31 | 3/4 | 1,132.66 | 3/4 | 768.35 | 3/4 | 410.22 | 3/4 | 83.55 | 3/4 | | 3/4 | | | |
| 4 | 2,223.77 | 4 | 1,857.23 | 4 | 1,490.67 | 4 | 1,125.07 | 4 | 760.72 | 4 | 402.86 | 4 | 77.90 | 4 | | 4 | | | |
| 1/4 | 2,216.13 | 1/4 | 1,849.59 | 1/4 | 1,483.04 | 1/4 | 1,117.49 | 1/4 | 753.08 | 1/4 | 395.50 | 1/4 | 72.25 | 1/4 | | 1/4 | | | |
| 1/2 | 2,208.50 | 1/2 | 1,841.95 | 1/2 | 1,475.40 | 1/2 | 1,109.91 | 1/2 | 745.44 | 1/2 | 388.14 | 1/2 | 66.60 | 1/2 | | 1/2 | | | |
| 3/4 | 2,200.86 | 3/4 | 1,834.32 | 3/4 | 1,467.77 | 3/4 | 1,102.33 | 3/4 | 737.81 | 3/4 | 380.83 | 3/4 | 60.79 | 3/4 | | 3/4 | | | |
| 5 | 2,193.22 | 5 | 1,826.68 | 5 | 1,460.15 | 5 | 1,094.76 | 5 | 730.17 | 5 | 373.56 | 5 | 54.81 | 5 | | 5 | | | |
| 1/4 | 2,185.59 | 1/4 | 1,819.04 | 1/4 | 1,452.53 | 1/4 | 1,087.18 | 1/4 | 722.53 | 1/4 | 366.29 | 1/4 | 48.83 | 1/4 | | 1/4 | | | |
| 1/2 | 2,177.95 | 1/2 | 1,811.41 | 1/2 | 1,444.90 | 1/2 | 1,079.60 | 1/2 | 714.90 | 1/2 | 359.02 | 1/2 | 42.85 | 1/2 | | 1/2 | | | |
| 3/4 | 2,170.32 | 3/4 | 1,803.77 | 3/4 | 1,437.29 | 3/4 | 1,072.02 | 3/4 | 707.26 | 3/4 | 351.80 | 3/4 | 37.11 | 3/4 | | 3/4 | | | |
| 6 | 2,162.68 | 6 | 1,796.13 | 6 | 1,429.68 | 6 | 1,064.44 | 6 | 699.62 | 6 | 344.61 | 6 | 31.60 | 6 | | 6 | | | |
| 1/4 | 2,155.04 | 1/4 | 1,788.50 | 1/4 | 1,422.07 | 1/4 | 1,056.86 | 1/4 | 691.99 | 1/4 | 337.42 | 1/4 | 26.09 | 1/4 | | 1/4 | | | |
| 1/2 | 2,147.41 | 1/2 | 1,780.86 | 1/2 | 1,414.46 | 1/2 | 1,049.28 | 1/2 | 684.35 | 1/2 | 330.23 | 1/2 | 20.59 | 1/2 | | 1/2 | | | |
| 3/4 | 2,139.77 | 3/4 | 1,773.23 | 3/4 | 1,406.85 | 3/4 | 1,041.70 | 3/4 | 676.71 | 3/4 | 323.07 | 3/4 | 16.05 | 3/4 | | 3/4 | | | |
| 7 | 2,132.13 | 7 | 1,765.59 | 7 | 1,399.24 | 7 | 1,034.12 | 7 | 669.08 | 7 | 315.95 | 7 | 12.49 | 7 | | 7 | | | |
| 1/4 | 2,124.50 | 1/4 | 1,757.95 | 1/4 | 1,391.63 | 1/4 | 1,026.55 | 1/4 | 661.44 | 1/4 | 308.83 | 1/4 | 8.93 | 1/4 | | 1/4 | | | |
| 1/2 | 2,116.86 | 1/2 | 1,750.32 | 1/2 | 1,384.03 | 1/2 | 1,018.97 | 1/2 | 653.80 | 1/2 | 301.71 | 1/2 | 5.37 | 1/2 | | 1/2 | | | |
| 3/4 | 2,109.23 | 3/4 | 1,742.68 | 3/4 | 1,376.42 | 3/4 | 1,011.39 | 3/4 | 646.17 | 3/4 | 294.63 | 3/4 | 3.59 | 3/4 | | 3/4 | | | |
| 8 | 2,101.59 | 8 | 1,735.04 | 8 | 1,368.81 | 8 | 1,003.81 | 8 | 638.53 | 8 | 287.59 | 8 | | 8 | | 8 | | | |
| 1/4 | 2,093.95 | 1/4 | 1,727.41 | 1/4 | 1,361.20 | 1/4 | 996.23 | 1/4 | 630.89 | 1/4 | 280.55 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 2,086.32 | 1/2 | 1,719.77 | 1/2 | 1,353.59 | 1/2 | 988.65 | 1/2 | 623.26 | 1/2 | 273.50 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 2,078.68 | 3/4 | 1,712.13 | 3/4 | 1,345.98 | 3/4 | 981.07 | 3/4 | 615.62 | 3/4 | 266.50 | 3/4 | | 3/4 | | 3/4 | | | |
| 9 | 2,071.05 | 9 | 1,704.50 | 9 | 1,338.37 | 9 | 973.49 | 9 | 607.98 | 9 | 259.55 | 9 | | 9 | | 9 | | | |
| 1/4 | 2,063.41 | 1/4 | 1,696.86 | 1/4 | 1,330.76 | 1/4 | 965.91 | 1/4 | 600.34 | 1/4 | 252.59 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 2,055.77 | 1/2 | 1,689.22 | 1/2 | 1,323.15 | 1/2 | 958.34 | 1/2 | 592.71 | 1/2 | 245.63 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 2,048.14 | 3/4 | 1,681.59 | 3/4 | 1,315.54 | 3/4 | 950.76 | 3/4 | 585.07 | 3/4 | 238.72 | 3/4 | | 3/4 | | 3/4 | | | |
| 10 | 2,040.50 | 10 | 1,673.95 | 10 | 1,307.93 | 10 | 943.18 | 10 | 577.43 | 10 | 231.84 | 10 | | 10 | | 10 | | | |
| 1/4 | 2,032.86 | 1/4 | 1,666.31 | 1/4 | 1,300.32 | 1/4 | 935.60 | 1/4 | 569.80 | 1/4 | 224.97 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 2,025.23 | 1/2 | 1,658.68 | 1/2 | 1,292.71 | 1/2 | 928.02 | 1/2 | 562.16 | 1/2 | 218.10 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 2,017.59 | 3/4 | 1,651.04 | 3/4 | 1,285.10 | 3/4 | 920.44 | 3/4 | 554.52 | 3/4 | 211.27 | 3/4 | | 3/4 | | 3/4 | | | |
| 11 | 2,009.96 | 11 | 1,643.40 | 11 | 1,277.47 | 11 | 912.86 | 11 | 546.88 | 11 | 204.49 | 11 | | 11 | | 11 | | | |
| 1/4 | 2,002.32 | 1/4 | 1,635.77 | 1/4 | 1,269.85 | 1/4 | 905.28 | 1/4 | 539.25 | 1/4 | 197.71 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 1,994.68 | 1/2 | 1,628.13 | 1/2 | 1,262.23 | 1/2 | 897.70 | 1/2 | 531.61 | 1/2 | 190.93 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 1,987.05 | 3/4 | 1,620.50 | 3/4 | 1,254.60 | 3/4 | 890.12 | 3/4 | 524.08 | 3/4 | 184.20 | 3/4 | | 3/4 | | 3/4 | | | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2005 CL - SW
CALCULATED: 03/25/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2005

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



BARGE "KIRBY 27723"

1 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 3/4"

| 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 | | 0 | 4,506.61 | 0 | 4,173.85 | 0 | 3,817.31 | 0 | 3,450.77 | 0 | 3,084.24 | 0 | 2,717.70 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,499.91 | 1/4 | 4,166.63 | 1/4 | 3,809.68 | 1/4 | 3,443.14 | 1/4 | 3,076.60 | 1/4 | 2,710.06 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,493.22 | 1/2 | 4,159.41 | 1/2 | 3,802.04 | 1/2 | 3,435.50 | 1/2 | 3,068.96 | 1/2 | 2,702.43 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,814.30 | 3/4 | 4,486.53 | 3/4 | 4,152.19 | 3/4 | 3,794.40 | 3/4 | 3,427.87 | 3/4 | 3,061.33 | 3/4 | 2,694.79 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4,479.80 | 1 | 4,144.93 | 1 | 3,786.77 | 1 | 3,420.23 | 1 | 3,053.69 | 1 | 2,687.15 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,800.62 | 1/4 | 4,473.07 | 1/4 | 4,137.67 | 1/4 | 3,779.13 | 1/4 | 3,412.59 | 1/4 | 3,046.06 | 1/4 | 2,679.52 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,793.79 | 1/2 | 4,466.35 | 1/2 | 4,130.42 | 1/2 | 3,771.49 | 1/2 | 3,404.96 | 1/2 | 3,038.42 | 1/2 | 2,671.88 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,786.95 | 3/4 | 4,459.62 | 3/4 | 4,123.16 | 3/4 | 3,763.86 | 3/4 | 3,397.32 | 3/4 | 3,030.78 | 3/4 | 2,664.25 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4,452.86 | 2 | 4,115.86 | 2 | 3,756.22 | 2 | 3,389.68 | 2 | 3,023.15 | 2 | 2,656.61 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,772.00 | 1/4 | 4,446.10 | 1/4 | 4,108.57 | 1/4 | 3,748.59 | 1/4 | 3,382.05 | 1/4 | 3,015.51 | 1/4 | 2,648.97 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,764.53 | 1/2 | 4,439.34 | 1/2 | 4,101.27 | 1/2 | 3,740.95 | 1/2 | 3,374.41 | 1/2 | 3,007.87 | 1/2 | 2,641.34 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,757.06 | 3/4 | 4,432.57 | 3/4 | 4,093.98 | 3/4 | 3,733.31 | 3/4 | 3,366.78 | 3/4 | 3,000.24 | 3/4 | 2,633.70 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4,425.77 | 3 | 4,086.65 | 3 | 3,725.68 | 3 | 3,359.14 | 3 | 2,992.60 | 3 | 2,626.06 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,741.95 | 1/4 | 4,418.98 | 1/4 | 4,079.32 | 1/4 | 3,718.04 | 1/4 | 3,351.50 | 1/4 | 2,984.97 | 1/4 | 2,618.43 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,734.40 | 1/2 | 4,412.18 | 1/2 | 4,071.99 | 1/2 | 3,710.41 | 1/2 | 3,343.87 | 1/2 | 2,977.33 | 1/2 | 2,610.79 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,726.85 | 3/4 | 4,405.38 | 3/4 | 4,064.66 | 3/4 | 3,702.77 | 3/4 | 3,336.23 | 3/4 | 2,969.69 | 3/4 | 2,603.16 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4,398.54 | 4 | 4,057.30 | 4 | 3,695.13 | 4 | 3,328.60 | 4 | 2,962.06 | 4 | 2,595.52 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,712.31 | 1/4 | 4,391.70 | 1/4 | 4,049.93 | 1/4 | 3,687.50 | 1/4 | 3,320.96 | 1/4 | 2,954.42 | 1/4 | 2,587.88 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,705.03 | 1/2 | 4,384.87 | 1/2 | 4,042.57 | 1/2 | 3,679.86 | 1/2 | 3,313.32 | 1/2 | 2,946.79 | 1/2 | 2,580.25 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,697.76 | 3/4 | 4,378.03 | 3/4 | 4,035.21 | 3/4 | 3,672.22 | 3/4 | 3,305.69 | 3/4 | 2,939.15 | 3/4 | 2,572.61 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4,371.16 | 5 | 4,027.81 | 5 | 3,664.59 | 5 | 3,298.05 | 5 | 2,931.51 | 5 | 2,564.98 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,684.32 | 1/4 | 4,364.28 | 1/4 | 4,020.41 | 1/4 | 3,656.95 | 1/4 | 3,290.41 | 1/4 | 2,923.88 | 1/4 | 2,557.34 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,677.59 | 1/2 | 4,357.41 | 1/2 | 4,013.02 | 1/2 | 3,649.32 | 1/2 | 3,282.78 | 1/2 | 2,916.24 | 1/2 | 2,549.70 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,670.87 | 3/4 | 4,350.54 | 3/4 | 4,005.62 | 3/4 | 3,641.68 | 3/4 | 3,275.14 | 3/4 | 2,908.60 | 3/4 | 2,542.07 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4,343.63 | 6 | 3,998.18 | 6 | 3,634.04 | 6 | 3,267.51 | 6 | 2,900.97 | 6 | 2,534.43 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,657.93 | 1/4 | 4,336.71 | 1/4 | 3,990.75 | 1/4 | 3,626.41 | 1/4 | 3,259.87 | 1/4 | 2,893.33 | 1/4 | 2,526.79 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,651.45 | 1/2 | 4,329.80 | 1/2 | 3,983.31 | 1/2 | 3,618.77 | 1/2 | 3,252.23 | 1/2 | 2,885.70 | 1/2 | 2,519.16 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,644.98 | 3/4 | 4,322.89 | 3/4 | 3,975.88 | 3/4 | 3,611.13 | 3/4 | 3,244.60 | 3/4 | 2,878.06 | 3/4 | 2,511.52 |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4,315.92 | 7 | 3,968.40 | 7 | 3,603.50 | 7 | 3,236.96 | 7 | 2,870.42 | 7 | 2,503.89 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,631.96 | 1/4 | 4,308.95 | 1/4 | 3,960.93 | 1/4 | 3,595.86 | 1/4 | 3,229.32 | 1/4 | 2,862.79 | 1/4 | 2,496.25 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,625.45 | 1/2 | 4,301.98 | 1/2 | 3,953.46 | 1/2 | 3,588.23 | 1/2 | 3,221.69 | 1/2 | 2,855.15 | 1/2 | 2,488.61 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,618.94 | 3/4 | 4,295.01 | 3/4 | 3,945.99 | 3/4 | 3,580.59 | 3/4 | 3,214.05 | 3/4 | 2,847.51 | 3/4 | 2,480.98 |
| 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 4,287.96 | 8 | 3,938.48 | 8 | 3,572.95 | 8 | 3,206.42 | 8 | 2,839.88 | 8 | 2,473.34 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,605.85 | 1/4 | 4,280.91 | 1/4 | 3,930.97 | 1/4 | 3,565.32 | 1/4 | 3,198.78 | 1/4 | 2,832.24 | 1/4 | 2,465.70 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,599.31 | 1/2 | 4,273.86 | 1/2 | 3,923.46 | 1/2 | 3,557.68 | 1/2 | 3,191.14 | 1/2 | 2,824.61 | 1/2 | 2,458.07 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,592.76 | 3/4 | 4,266.81 | 3/4 | 3,915.95 | 3/4 | 3,550.05 | 3/4 | 3,183.51 | 3/4 | 2,816.97 | 3/4 | 2,450.43 |
| 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 4,259.71 | 9 | 3,908.40 | 9 | 3,542.41 | 9 | 3,175.87 | 9 | 2,809.33 | 9 | 2,442.80 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,579.59 | 1/4 | 4,252.60 | 1/4 | 3,900.85 | 1/4 | 3,534.77 | 1/4 | 3,168.24 | 1/4 | 2,801.70 | 1/4 | 2,435.16 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,573.01 | 1/2 | 4,245.49 | 1/2 | 3,893.30 | 1/2 | 3,527.14 | 1/2 | 3,160.60 | 1/2 | 2,794.06 | 1/2 | 2,427.52 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,566.42 | 3/4 | 4,238.38 | 3/4 | 3,885.76 | 3/4 | 3,519.50 | 3/4 | 3,152.96 | 3/4 | 2,786.43 | 3/4 | 2,419.89 |
| 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 4,231.24 | 10 | 3,878.17 | 10 | 3,511.86 | 10 | 3,145.33 | 10 | 2,778.79 | 10 | 2,412.25 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,553.18 | 1/4 | 4,224.09 | 1/4 | 3,870.59 | 1/4 | 3,504.23 | 1/4 | 3,137.69 | 1/4 | 2,771.15 | 1/4 | 2,404.62 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,546.56 | 1/2 | 4,216.95 | 1/2 | 3,863.00 | 1/2 | 3,496.59 | 1/2 | 3,130.05 | 1/2 | 2,763.52 | 1/2 | 2,396.98 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,539.94 | 3/4 | 4,209.80 | 3/4 | 3,855.42 | 3/4 | 3,488.96 | 3/4 | 3,122.42 | 3/4 | 2,755.88 | 3/4 | 2,389.34 |
| 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 4,202.62 | 11 | 3,847.80 | 11 | 3,481.32 | 11 | 3,114.78 | 11 | 2,748.24 | 11 | 2,381.71 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,526.62 | 1/4 | 4,195.44 | 1/4 | 3,840.18 | 1/4 | 3,473.68 | 1/4 | 3,107.15 | 1/4 | 2,740.61 | 1/4 | 2,374.07 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,519.96 | 1/2 | 4,188.25 | 1/2 | 3,832.57 | 1/2 | 3,466.05 | 1/2 | 3,099.51 | 1/2 | 2,732.97 | 1/2 | 2,366.43 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,513.30 | 3/4 | 4,181.07 | 3/4 | 3,824.95 | 3/4 | 3,458.41 | 3/4 | 3,091.87 | 3/4 | 2,725.34 | 3/4 | 2,358.80 |

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 AT 2" RESTRICTED GAUGE.
 GAUGE POINT: (MANUAL) LOCATED 12'-9" OFF CENTERLINE AND 51'-02" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 27723"

1 STBD
ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 3/4"

| 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 | 2,351.16 | 0 | 1,984.62 | 0 | 1,618.07 | 0 | 1,252.17 | 0 | 886.60 | 0 | 520.38 | 0 | 180.86 | 0 | | 0 | | | |
| 1/4 | 2,343.53 | 1/4 | 1,976.99 | 1/4 | 1,610.44 | 1/4 | 1,244.53 | 1/4 | 878.99 | 1/4 | 512.96 | 1/4 | 174.18 | 1/4 | | 1/4 | | | |
| 1/2 | 2,335.89 | 1/2 | 1,969.35 | 1/2 | 1,602.80 | 1/2 | 1,236.90 | 1/2 | 871.38 | 1/2 | 505.55 | 1/2 | 167.50 | 1/2 | | 1/2 | | | |
| 3/4 | 2,328.25 | 3/4 | 1,961.71 | 3/4 | 1,595.16 | 3/4 | 1,229.26 | 3/4 | 863.77 | 3/4 | 498.14 | 3/4 | 160.82 | 3/4 | | 3/4 | | | |
| 1 | 2,320.62 | 1 | 1,954.08 | 1 | 1,587.53 | 1 | 1,221.62 | 1 | 856.14 | 1 | 491.20 | 1 | 154.23 | 1 | | 1 | | | |
| 1/4 | 2,312.98 | 1/4 | 1,946.44 | 1/4 | 1,579.89 | 1/4 | 1,213.99 | 1/4 | 848.52 | 1/4 | 484.25 | 1/4 | 147.64 | 1/4 | | 1/4 | | | |
| 1/2 | 2,305.34 | 1/2 | 1,938.81 | 1/2 | 1,572.25 | 1/2 | 1,206.35 | 1/2 | 840.89 | 1/2 | 477.31 | 1/2 | 141.06 | 1/2 | | 1/2 | | | |
| 3/4 | 2,297.71 | 3/4 | 1,931.17 | 3/4 | 1,564.62 | 3/4 | 1,198.71 | 3/4 | 833.27 | 3/4 | 470.36 | 3/4 | 134.47 | 3/4 | | 3/4 | | | |
| 2 | 2,290.07 | 2 | 1,923.53 | 2 | 1,556.98 | 2 | 1,191.08 | 2 | 825.63 | 2 | 463.48 | 2 | 128.19 | 2 | | 2 | | | |
| 1/4 | 2,282.44 | 1/4 | 1,915.90 | 1/4 | 1,549.34 | 1/4 | 1,183.44 | 1/4 | 817.99 | 1/4 | 456.61 | 1/4 | 121.92 | 1/4 | | 1/4 | | | |
| 1/2 | 2,274.80 | 1/2 | 1,908.26 | 1/2 | 1,541.71 | 1/2 | 1,175.80 | 1/2 | 810.36 | 1/2 | 449.73 | 1/2 | 115.64 | 1/2 | | 1/2 | | | |
| 3/4 | 2,267.16 | 3/4 | 1,900.62 | 3/4 | 1,534.07 | 3/4 | 1,168.16 | 3/4 | 802.72 | 3/4 | 442.85 | 3/4 | 109.36 | 3/4 | | 3/4 | | | |
| 3 | 2,259.53 | 3 | 1,892.99 | 3 | 1,526.43 | 3 | 1,160.54 | 3 | 795.08 | 3 | 435.61 | 3 | 103.61 | 3 | | 3 | | | |
| 1/4 | 2,251.89 | 1/4 | 1,885.35 | 1/4 | 1,518.80 | 1/4 | 1,152.91 | 1/4 | 787.45 | 1/4 | 428.37 | 1/4 | 97.87 | 1/4 | | 1/4 | | | |
| 1/2 | 2,244.25 | 1/2 | 1,877.71 | 1/2 | 1,511.16 | 1/2 | 1,145.29 | 1/2 | 779.81 | 1/2 | 421.14 | 1/2 | 92.12 | 1/2 | | 1/2 | | | |
| 3/4 | 2,236.62 | 3/4 | 1,870.08 | 3/4 | 1,503.52 | 3/4 | 1,137.67 | 3/4 | 772.17 | 3/4 | 413.90 | 3/4 | 86.37 | 3/4 | | 3/4 | | | |
| 4 | 2,228.98 | 4 | 1,862.44 | 4 | 1,495.89 | 4 | 1,130.06 | 4 | 764.54 | 4 | 406.54 | 4 | 80.73 | 4 | | 4 | | | |
| 1/4 | 2,221.35 | 1/4 | 1,854.80 | 1/4 | 1,488.25 | 1/4 | 1,122.45 | 1/4 | 756.90 | 1/4 | 399.18 | 1/4 | 75.08 | 1/4 | | 1/4 | | | |
| 1/2 | 2,213.71 | 1/2 | 1,847.17 | 1/2 | 1,480.62 | 1/2 | 1,114.84 | 1/2 | 749.26 | 1/2 | 391.82 | 1/2 | 69.43 | 1/2 | | 1/2 | | | |
| 3/4 | 2,206.07 | 3/4 | 1,839.53 | 3/4 | 1,472.98 | 3/4 | 1,107.23 | 3/4 | 741.63 | 3/4 | 384.46 | 3/4 | 63.78 | 3/4 | | 3/4 | | | |
| 5 | 2,198.44 | 5 | 1,831.89 | 5 | 1,465.36 | 5 | 1,099.62 | 5 | 733.99 | 5 | 377.19 | 5 | 57.80 | 5 | | 5 | | | |
| 1/4 | 2,190.80 | 1/4 | 1,824.26 | 1/4 | 1,457.73 | 1/4 | 1,092.01 | 1/4 | 726.35 | 1/4 | 369.93 | 1/4 | 51.82 | 1/4 | | 1/4 | | | |
| 1/2 | 2,183.17 | 1/2 | 1,816.62 | 1/2 | 1,450.11 | 1/2 | 1,084.40 | 1/2 | 718.72 | 1/2 | 362.66 | 1/2 | 45.84 | 1/2 | | 1/2 | | | |
| 3/4 | 2,175.53 | 3/4 | 1,808.98 | 3/4 | 1,442.49 | 3/4 | 1,076.79 | 3/4 | 711.08 | 3/4 | 355.39 | 3/4 | 39.86 | 3/4 | | 3/4 | | | |
| 6 | 2,167.89 | 6 | 1,801.35 | 6 | 1,434.88 | 6 | 1,069.19 | 6 | 703.44 | 6 | 348.20 | 6 | 34.35 | 6 | | 6 | | | |
| 1/4 | 2,160.26 | 1/4 | 1,793.71 | 1/4 | 1,427.27 | 1/4 | 1,061.58 | 1/4 | 695.81 | 1/4 | 341.01 | 1/4 | 28.85 | 1/4 | | 1/4 | | | |
| 1/2 | 2,152.62 | 1/2 | 1,786.08 | 1/2 | 1,419.66 | 1/2 | 1,053.97 | 1/2 | 688.17 | 1/2 | 333.82 | 1/2 | 23.34 | 1/2 | | 1/2 | | | |
| 3/4 | 2,144.98 | 3/4 | 1,778.44 | 3/4 | 1,412.05 | 3/4 | 1,046.36 | 3/4 | 680.53 | 3/4 | 326.63 | 3/4 | 17.83 | 3/4 | | 3/4 | | | |
| 7 | 2,137.35 | 7 | 1,770.80 | 7 | 1,404.44 | 7 | 1,038.76 | 7 | 672.89 | 7 | 319.51 | 7 | 14.27 | 7 | | 7 | | | |
| 1/4 | 2,129.71 | 1/4 | 1,763.17 | 1/4 | 1,396.83 | 1/4 | 1,031.15 | 1/4 | 665.26 | 1/4 | 312.39 | 1/4 | 10.71 | 1/4 | | 1/4 | | | |
| 1/2 | 2,122.08 | 1/2 | 1,755.53 | 1/2 | 1,389.23 | 1/2 | 1,023.54 | 1/2 | 657.62 | 1/2 | 305.27 | 1/2 | 7.15 | 1/2 | | 1/2 | | | |
| 3/4 | 2,114.44 | 3/4 | 1,747.89 | 3/4 | 1,381.62 | 3/4 | 1,015.93 | 3/4 | 649.98 | 3/4 | 298.15 | 3/4 | 3.59 | 3/4 | | 3/4 | | | |
| 8 | 2,106.80 | 8 | 1,740.26 | 8 | 1,374.01 | 8 | 1,008.32 | 8 | 642.35 | 8 | 291.11 | 8 | | 8 | | 8 | | | |
| 1/4 | 2,099.17 | 1/4 | 1,732.62 | 1/4 | 1,366.40 | 1/4 | 1,000.72 | 1/4 | 634.71 | 1/4 | 284.07 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 2,091.53 | 1/2 | 1,724.98 | 1/2 | 1,358.79 | 1/2 | 993.11 | 1/2 | 627.07 | 1/2 | 277.02 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 2,083.89 | 3/4 | 1,717.35 | 3/4 | 1,351.18 | 3/4 | 985.50 | 3/4 | 619.44 | 3/4 | 269.98 | 3/4 | | 3/4 | | 3/4 | | | |
| 9 | 2,076.26 | 9 | 1,709.71 | 9 | 1,343.57 | 9 | 977.89 | 9 | 611.80 | 9 | 263.02 | 9 | | 9 | | 9 | | | |
| 1/4 | 2,068.62 | 1/4 | 1,702.07 | 1/4 | 1,335.96 | 1/4 | 970.28 | 1/4 | 604.16 | 1/4 | 256.07 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 2,060.99 | 1/2 | 1,694.44 | 1/2 | 1,328.35 | 1/2 | 962.68 | 1/2 | 596.53 | 1/2 | 249.11 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 2,053.35 | 3/4 | 1,686.80 | 3/4 | 1,320.74 | 3/4 | 955.07 | 3/4 | 588.89 | 3/4 | 242.15 | 3/4 | | 3/4 | | 3/4 | | | |
| 10 | 2,045.71 | 10 | 1,679.16 | 10 | 1,313.13 | 10 | 947.46 | 10 | 581.25 | 10 | 235.28 | 10 | | 10 | | 10 | | | |
| 1/4 | 2,038.08 | 1/4 | 1,671.53 | 1/4 | 1,305.52 | 1/4 | 939.85 | 1/4 | 573.61 | 1/4 | 228.41 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 2,030.44 | 1/2 | 1,663.89 | 1/2 | 1,297.91 | 1/2 | 932.24 | 1/2 | 565.98 | 1/2 | 221.53 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 2,022.81 | 3/4 | 1,656.25 | 3/4 | 1,290.30 | 3/4 | 924.64 | 3/4 | 558.34 | 3/4 | 214.66 | 3/4 | | 3/4 | | 3/4 | | | |
| 11 | 2,015.17 | 11 | 1,648.62 | 11 | 1,282.68 | 11 | 917.03 | 11 | 550.70 | 11 | 207.88 | 11 | | 11 | | 11 | | | |
| 1/4 | 2,007.53 | 1/4 | 1,640.98 | 1/4 | 1,275.06 | 1/4 | 909.42 | 1/4 | 543.07 | 1/4 | 201.10 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 1,999.90 | 1/2 | 1,633.35 | 1/2 | 1,267.43 | 1/2 | 901.81 | 1/2 | 535.43 | 1/2 | 194.32 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 1,992.26 | 3/4 | 1,625.71 | 3/4 | 1,259.81 | 3/4 | 894.21 | 3/4 | 527.79 | 3/4 | 187.54 | 3/4 | | 3/4 | | 3/4 | | | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2005 CL - SW
CALCULATED: 03/25/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2005

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



BARGE "KIRBY 27723"

2 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 3/4"

| 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 | | 0 | 4,521.81 | 0 | 4,191.51 | 0 | 3,837.60 | 0 | 3,473.77 | 0 | 3,109.92 | 0 | 2,746.08 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,515.16 | 1/4 | 4,184.35 | 1/4 | 3,830.03 | 1/4 | 3,466.19 | 1/4 | 3,102.34 | 1/4 | 2,738.50 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,508.52 | 1/2 | 4,177.18 | 1/2 | 3,822.45 | 1/2 | 3,458.61 | 1/2 | 3,094.76 | 1/2 | 2,730.92 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,827.20 | 3/4 | 4,501.88 | 3/4 | 4,170.01 | 3/4 | 3,814.87 | 3/4 | 3,451.03 | 3/4 | 3,087.18 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4,495.20 | 1 | 4,162.81 | 1 | 3,807.29 | 1 | 3,443.45 | 1 | 3,079.60 | 1 | 2,715.76 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,813.63 | 1/4 | 4,488.52 | 1/4 | 4,155.60 | 1/4 | 3,799.71 | 1/4 | 3,435.87 | 1/4 | 3,072.02 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,806.85 | 1/2 | 4,481.85 | 1/2 | 4,148.40 | 1/2 | 3,792.13 | 1/2 | 3,428.29 | 1/2 | 3,064.44 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,800.06 | 3/4 | 4,475.17 | 3/4 | 4,141.20 | 3/4 | 3,784.55 | 3/4 | 3,420.71 | 3/4 | 3,056.86 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4,792.64 | 2 | 4,468.46 | 2 | 4,133.96 | 2 | 3,776.97 | 2 | 3,413.13 | 2 | 3,049.28 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,785.23 | 1/4 | 4,461.75 | 1/4 | 4,126.71 | 1/4 | 3,769.39 | 1/4 | 3,405.54 | 1/4 | 3,041.70 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,777.81 | 1/2 | 4,455.04 | 1/2 | 4,119.47 | 1/2 | 3,761.81 | 1/2 | 3,397.96 | 1/2 | 3,034.12 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,770.39 | 3/4 | 4,448.32 | 3/4 | 4,112.23 | 3/4 | 3,754.23 | 3/4 | 3,390.38 | 3/4 | 3,026.54 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4,762.90 | 3 | 4,441.58 | 3 | 4,104.96 | 3 | 3,746.65 | 3 | 3,382.80 | 3 | 3,018.96 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,755.40 | 1/4 | 4,434.83 | 1/4 | 4,097.68 | 1/4 | 3,739.07 | 1/4 | 3,375.22 | 1/4 | 3,011.38 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,747.91 | 1/2 | 4,428.08 | 1/2 | 4,090.40 | 1/2 | 3,731.49 | 1/2 | 3,367.64 | 1/2 | 3,003.80 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,740.41 | 3/4 | 4,421.33 | 3/4 | 4,083.13 | 3/4 | 3,723.91 | 3/4 | 3,360.06 | 3/4 | 2,996.22 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4,733.19 | 4 | 4,414.54 | 4 | 4,075.82 | 4 | 3,716.33 | 4 | 3,352.48 | 4 | 2,988.64 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,725.98 | 1/4 | 4,407.76 | 1/4 | 4,068.51 | 1/4 | 3,708.75 | 1/4 | 3,344.90 | 1/4 | 2,981.06 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,718.76 | 1/2 | 4,400.97 | 1/2 | 4,061.20 | 1/2 | 3,701.17 | 1/2 | 3,337.32 | 1/2 | 2,973.48 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,711.54 | 3/4 | 4,394.19 | 3/4 | 4,053.89 | 3/4 | 3,693.59 | 3/4 | 3,329.74 | 3/4 | 2,965.90 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4,704.87 | 5 | 4,387.36 | 5 | 4,046.55 | 5 | 3,686.01 | 5 | 3,322.16 | 5 | 2,958.32 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,698.19 | 1/4 | 4,380.54 | 1/4 | 4,039.21 | 1/4 | 3,678.43 | 1/4 | 3,314.58 | 1/4 | 2,950.74 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,691.52 | 1/2 | 4,373.72 | 1/2 | 4,031.86 | 1/2 | 3,670.85 | 1/2 | 3,307.00 | 1/2 | 2,943.16 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,684.85 | 3/4 | 4,366.90 | 3/4 | 4,024.52 | 3/4 | 3,663.27 | 3/4 | 3,299.42 | 3/4 | 2,935.58 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4,678.42 | 6 | 4,360.04 | 6 | 4,017.14 | 6 | 3,655.69 | 6 | 3,291.84 | 6 | 2,928.00 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,672.00 | 1/4 | 4,353.18 | 1/4 | 4,009.76 | 1/4 | 3,648.11 | 1/4 | 3,284.26 | 1/4 | 2,920.42 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,665.58 | 1/2 | 4,346.32 | 1/2 | 4,002.38 | 1/2 | 3,640.53 | 1/2 | 3,276.68 | 1/2 | 2,912.84 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,659.15 | 3/4 | 4,339.46 | 3/4 | 3,995.00 | 3/4 | 3,632.95 | 3/4 | 3,269.10 | 3/4 | 2,905.26 |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4,652.69 | 7 | 4,332.54 | 7 | 3,987.58 | 7 | 3,625.37 | 7 | 3,261.52 | 7 | 2,897.68 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,646.23 | 1/4 | 4,325.62 | 1/4 | 3,980.16 | 1/4 | 3,617.79 | 1/4 | 3,253.94 | 1/4 | 2,890.10 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,639.77 | 1/2 | 4,318.70 | 1/2 | 3,972.74 | 1/2 | 3,610.21 | 1/2 | 3,246.36 | 1/2 | 2,882.52 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,633.31 | 3/4 | 4,311.78 | 3/4 | 3,965.33 | 3/4 | 3,602.63 | 3/4 | 3,238.78 | 3/4 | 2,874.94 |
| 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 4,626.81 | 8 | 4,304.79 | 8 | 3,957.87 | 8 | 3,595.05 | 8 | 3,231.20 | 8 | 2,867.36 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,620.31 | 1/4 | 4,297.79 | 1/4 | 3,950.42 | 1/4 | 3,587.47 | 1/4 | 3,223.62 | 1/4 | 2,859.78 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,613.82 | 1/2 | 4,290.79 | 1/2 | 3,942.96 | 1/2 | 3,579.89 | 1/2 | 3,216.04 | 1/2 | 2,852.20 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,607.32 | 3/4 | 4,283.79 | 3/4 | 3,935.51 | 3/4 | 3,572.31 | 3/4 | 3,208.46 | 3/4 | 2,844.62 |
| 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 4,600.78 | 9 | 4,276.74 | 9 | 3,928.01 | 9 | 3,564.73 | 9 | 3,200.88 | 9 | 2,837.04 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,594.25 | 1/4 | 4,269.68 | 1/4 | 3,920.52 | 1/4 | 3,557.15 | 1/4 | 3,193.30 | 1/4 | 2,829.46 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,587.71 | 1/2 | 4,262.63 | 1/2 | 3,913.03 | 1/2 | 3,549.57 | 1/2 | 3,185.72 | 1/2 | 2,821.88 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,581.18 | 3/4 | 4,255.57 | 3/4 | 3,905.54 | 3/4 | 3,541.99 | 3/4 | 3,178.14 | 3/4 | 2,814.30 |
| 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 4,574.61 | 10 | 4,248.48 | 10 | 3,898.01 | 10 | 3,534.41 | 10 | 3,170.56 | 10 | 2,806.72 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,568.03 | 1/4 | 4,241.39 | 1/4 | 3,890.48 | 1/4 | 3,526.83 | 1/4 | 3,162.98 | 1/4 | 2,799.14 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,561.46 | 1/2 | 4,234.29 | 1/2 | 3,882.95 | 1/2 | 3,519.25 | 1/2 | 3,155.40 | 1/2 | 2,791.56 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,554.89 | 3/4 | 4,227.20 | 3/4 | 3,875.42 | 3/4 | 3,511.67 | 3/4 | 3,147.82 | 3/4 | 2,783.98 |
| 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 4,548.28 | 11 | 4,220.07 | 11 | 3,867.86 | 11 | 3,504.09 | 11 | 3,140.24 | 11 | 2,776.40 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,541.67 | 1/4 | 4,212.94 | 1/4 | 3,860.30 | 1/4 | 3,496.51 | 1/4 | 3,132.66 | 1/4 | 2,768.82 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,535.06 | 1/2 | 4,205.81 | 1/2 | 3,852.74 | 1/2 | 3,488.93 | 1/2 | 3,125.08 | 1/2 | 2,761.24 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,528.45 | 3/4 | 4,198.68 | 3/4 | 3,845.18 | 3/4 | 3,481.35 | 3/4 | 3,117.50 | 3/4 | 2,753.66 |

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 AT 2" RESTRICTED GAUGE.
 GAUGE POINT: (MANUAL) LOCATED 12'-9" OFF CENTERLINE AND 50'-08" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 27723"

2 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 3/4"

| 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 | 2,382.23 | 0 | 2,018.39 | 0 | 1,654.53 | 0 | 1,294.55 | 0 | 943.43 | 0 | 583.82 | 0 | 227.31 | 0 | | 0 | | 0 | |
| 1/4 | 2,374.65 | 1/4 | 2,010.81 | 1/4 | 1,646.95 | 1/4 | 1,286.97 | 1/4 | 936.17 | 1/4 | 576.46 | 1/4 | 219.76 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,367.07 | 1/2 | 2,003.23 | 1/2 | 1,639.37 | 1/2 | 1,279.39 | 1/2 | 928.92 | 1/2 | 569.11 | 1/2 | 212.20 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,359.49 | 3/4 | 1,995.65 | 3/4 | 1,631.79 | 3/4 | 1,271.81 | 3/4 | 921.67 | 3/4 | 561.75 | 3/4 | 204.64 | 3/4 | | 3/4 | | 3/4 | |
| 1 | 2,351.91 | 1 | 1,988.07 | 1 | 1,624.21 | 1 | 1,264.23 | 1 | 914.40 | 1 | 554.84 | 1 | 197.09 | 1 | | 1 | | 1 | |
| 1/4 | 2,344.33 | 1/4 | 1,980.49 | 1/4 | 1,616.63 | 1/4 | 1,256.65 | 1/4 | 907.14 | 1/4 | 547.93 | 1/4 | 189.54 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,336.75 | 1/2 | 1,972.91 | 1/2 | 1,609.05 | 1/2 | 1,249.07 | 1/2 | 899.87 | 1/2 | 541.02 | 1/2 | 182.00 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,329.17 | 3/4 | 1,965.33 | 3/4 | 1,601.47 | 3/4 | 1,241.49 | 3/4 | 892.60 | 3/4 | 534.12 | 3/4 | 174.45 | 3/4 | | 3/4 | | 3/4 | |
| 2 | 2,321.59 | 2 | 1,957.75 | 2 | 1,593.89 | 2 | 1,234.06 | 2 | 885.32 | 2 | 527.21 | 2 | 167.12 | 2 | | 2 | | 2 | |
| 1/4 | 2,314.01 | 1/4 | 1,950.17 | 1/4 | 1,586.31 | 1/4 | 1,226.63 | 1/4 | 878.04 | 1/4 | 520.30 | 1/4 | 159.80 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,306.43 | 1/2 | 1,942.59 | 1/2 | 1,578.73 | 1/2 | 1,219.20 | 1/2 | 870.76 | 1/2 | 513.39 | 1/2 | 152.47 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,298.85 | 3/4 | 1,935.01 | 3/4 | 1,571.15 | 3/4 | 1,211.77 | 3/4 | 863.48 | 3/4 | 506.48 | 3/4 | 145.15 | 3/4 | | 3/4 | | 3/4 | |
| 3 | 2,291.27 | 3 | 1,927.43 | 3 | 1,563.57 | 3 | 1,204.50 | 3 | 856.05 | 3 | 499.13 | 3 | 138.27 | 3 | | 3 | | 3 | |
| 1/4 | 2,283.69 | 1/4 | 1,919.85 | 1/4 | 1,555.99 | 1/4 | 1,197.23 | 1/4 | 848.62 | 1/4 | 491.78 | 1/4 | 131.39 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,276.11 | 1/2 | 1,912.26 | 1/2 | 1,548.41 | 1/2 | 1,189.97 | 1/2 | 841.20 | 1/2 | 484.43 | 1/2 | 124.51 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,268.53 | 3/4 | 1,904.68 | 3/4 | 1,540.83 | 3/4 | 1,182.70 | 3/4 | 833.77 | 3/4 | 477.08 | 3/4 | 117.63 | 3/4 | | 3/4 | | 3/4 | |
| 4 | 2,260.95 | 4 | 1,897.10 | 4 | 1,533.33 | 4 | 1,175.45 | 4 | 826.18 | 4 | 469.52 | 4 | 110.77 | 4 | | 4 | | 4 | |
| 1/4 | 2,253.37 | 1/4 | 1,889.52 | 1/4 | 1,525.83 | 1/4 | 1,168.19 | 1/4 | 818.60 | 1/4 | 461.96 | 1/4 | 103.90 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,245.79 | 1/2 | 1,881.94 | 1/2 | 1,518.33 | 1/2 | 1,160.94 | 1/2 | 811.02 | 1/2 | 454.41 | 1/2 | 97.04 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,238.21 | 3/4 | 1,874.36 | 3/4 | 1,510.83 | 3/4 | 1,153.69 | 3/4 | 803.44 | 3/4 | 446.85 | 3/4 | 90.17 | 3/4 | | 3/4 | | 3/4 | |
| 5 | 2,230.63 | 5 | 1,866.78 | 5 | 1,503.41 | 5 | 1,146.44 | 5 | 795.86 | 5 | 439.30 | 5 | 82.89 | 5 | | 5 | | 5 | |
| 1/4 | 2,223.05 | 1/4 | 1,859.20 | 1/4 | 1,495.99 | 1/4 | 1,139.19 | 1/4 | 788.28 | 1/4 | 431.75 | 1/4 | 75.61 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,215.47 | 1/2 | 1,851.62 | 1/2 | 1,488.57 | 1/2 | 1,131.94 | 1/2 | 780.70 | 1/2 | 424.19 | 1/2 | 68.33 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,207.89 | 3/4 | 1,844.04 | 3/4 | 1,481.15 | 3/4 | 1,124.69 | 3/4 | 773.12 | 3/4 | 416.64 | 3/4 | 61.05 | 3/4 | | 3/4 | | 3/4 | |
| 6 | 2,200.31 | 6 | 1,836.46 | 6 | 1,473.74 | 6 | 1,117.44 | 6 | 765.54 | 6 | 409.09 | 6 | 54.15 | 6 | | 6 | | 6 | |
| 1/4 | 2,192.73 | 1/4 | 1,828.88 | 1/4 | 1,466.32 | 1/4 | 1,110.19 | 1/4 | 757.96 | 1/4 | 401.53 | 1/4 | 47.25 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,185.15 | 1/2 | 1,821.30 | 1/2 | 1,458.90 | 1/2 | 1,102.94 | 1/2 | 750.38 | 1/2 | 393.97 | 1/2 | 40.35 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,177.57 | 3/4 | 1,813.72 | 3/4 | 1,451.48 | 3/4 | 1,095.69 | 3/4 | 742.80 | 3/4 | 386.41 | 3/4 | 33.45 | 3/4 | | 3/4 | | 3/4 | |
| 7 | 2,169.99 | 7 | 1,806.14 | 7 | 1,444.06 | 7 | 1,088.44 | 7 | 735.22 | 7 | 378.84 | 7 | 28.40 | 7 | | 7 | | 7 | |
| 1/4 | 2,162.41 | 1/4 | 1,798.56 | 1/4 | 1,436.65 | 1/4 | 1,081.19 | 1/4 | 727.64 | 1/4 | 371.27 | 1/4 | 23.35 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,154.83 | 1/2 | 1,790.98 | 1/2 | 1,429.23 | 1/2 | 1,073.94 | 1/2 | 720.05 | 1/2 | 363.69 | 1/2 | 18.30 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,147.25 | 3/4 | 1,783.40 | 3/4 | 1,421.81 | 3/4 | 1,066.68 | 3/4 | 712.47 | 3/4 | 356.12 | 3/4 | 13.25 | 3/4 | | 3/4 | | 3/4 | |
| 8 | 2,139.67 | 8 | 1,775.82 | 8 | 1,414.39 | 8 | 1,059.43 | 8 | 704.89 | 8 | 348.54 | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 2,132.09 | 1/4 | 1,768.24 | 1/4 | 1,406.97 | 1/4 | 1,052.18 | 1/4 | 697.31 | 1/4 | 340.96 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,124.51 | 1/2 | 1,760.66 | 1/2 | 1,399.55 | 1/2 | 1,044.93 | 1/2 | 689.73 | 1/2 | 333.38 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,116.93 | 3/4 | 1,753.08 | 3/4 | 1,392.13 | 3/4 | 1,037.68 | 3/4 | 682.15 | 3/4 | 325.80 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 2,109.35 | 9 | 1,745.50 | 9 | 1,384.72 | 9 | 1,030.43 | 9 | 674.57 | 9 | 318.22 | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 2,101.77 | 1/4 | 1,737.92 | 1/4 | 1,377.30 | 1/4 | 1,023.18 | 1/4 | 666.99 | 1/4 | 310.64 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,094.19 | 1/2 | 1,730.34 | 1/2 | 1,369.88 | 1/2 | 1,015.93 | 1/2 | 659.41 | 1/2 | 303.06 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,086.61 | 3/4 | 1,722.75 | 3/4 | 1,362.46 | 3/4 | 1,008.68 | 3/4 | 651.83 | 3/4 | 295.48 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 2,079.03 | 10 | 1,715.17 | 10 | 1,354.96 | 10 | 1,001.43 | 10 | 644.25 | 10 | 287.90 | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 2,071.45 | 1/4 | 1,707.59 | 1/4 | 1,347.46 | 1/4 | 994.18 | 1/4 | 636.67 | 1/4 | 280.32 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,063.87 | 1/2 | 1,700.01 | 1/2 | 1,339.96 | 1/2 | 986.93 | 1/2 | 629.08 | 1/2 | 272.74 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,056.29 | 3/4 | 1,692.43 | 3/4 | 1,332.46 | 3/4 | 979.68 | 3/4 | 621.50 | 3/4 | 265.16 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 2,048.71 | 11 | 1,684.85 | 11 | 1,324.88 | 11 | 972.43 | 11 | 613.92 | 11 | 257.59 | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 2,041.13 | 1/4 | 1,677.27 | 1/4 | 1,317.30 | 1/4 | 965.18 | 1/4 | 606.34 | 1/4 | 250.02 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,033.55 | 1/2 | 1,669.69 | 1/2 | 1,309.72 | 1/2 | 957.93 | 1/2 | 598.76 | 1/2 | 242.44 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,025.97 | 3/4 | 1,662.11 | 3/4 | 1,302.14 | 3/4 | 950.68 | 3/4 | 591.18 | 3/4 | 234.87 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2005 CL - SW
CALCULATED: 03/25/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2005

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



BARGE "KIRBY 27723"

2 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 5/8"

| 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 | | 0 | 4,533.07 | 0 | 4,202.60 | 0 | 3,848.57 | 0 | 3,484.82 | 0 | 3,121.06 | 0 | 2,757.30 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,526.43 | 1/4 | 4,195.43 | 1/4 | 3,840.99 | 1/4 | 3,477.24 | 1/4 | 3,113.48 | 1/4 | 2,749.72 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,841.72 | 1/2 | 4,519.79 | 1/2 | 4,188.27 | 1/2 | 3,833.41 | 1/2 | 3,469.66 | 1/2 | 3,105.90 | 1/2 | 2,742.14 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,838.32 | 3/4 | 4,513.13 | 3/4 | 4,181.08 | 3/4 | 3,825.84 | 3/4 | 3,462.08 | 3/4 | 3,098.32 | 3/4 | 2,734.57 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4,831.54 | 1 | 4,506.46 | 1 | 4,173.88 | 1 | 3,818.26 | 1 | 3,454.50 | 1 | 3,090.75 | 1 | 2,726.99 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,824.76 | 1/4 | 4,499.78 | 1/4 | 4,166.68 | 1/4 | 3,810.68 | 1/4 | 3,446.93 | 1/4 | 3,083.17 | 1/4 | 2,719.41 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,817.97 | 1/2 | 4,493.11 | 1/2 | 4,159.48 | 1/2 | 3,803.11 | 1/2 | 3,439.35 | 1/2 | 3,075.59 | 1/2 | 2,711.83 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,810.87 | 3/4 | 4,486.41 | 3/4 | 4,152.26 | 3/4 | 3,795.53 | 3/4 | 3,431.77 | 3/4 | 3,068.01 | 3/4 | 2,704.25 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4,803.46 | 2 | 4,479.70 | 2 | 4,145.02 | 2 | 3,787.95 | 2 | 3,424.19 | 2 | 3,060.43 | 2 | 2,696.67 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,796.04 | 1/4 | 4,472.99 | 1/4 | 4,137.78 | 1/4 | 3,780.37 | 1/4 | 3,416.61 | 1/4 | 3,052.85 | 1/4 | 2,689.10 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,788.63 | 1/2 | 4,466.28 | 1/2 | 4,130.54 | 1/2 | 3,772.79 | 1/2 | 3,409.03 | 1/2 | 3,045.28 | 1/2 | 2,681.52 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,781.18 | 3/4 | 4,459.56 | 3/4 | 4,123.28 | 3/4 | 3,765.21 | 3/4 | 3,401.46 | 3/4 | 3,037.70 | 3/4 | 2,673.94 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4,773.68 | 3 | 4,452.81 | 3 | 4,116.01 | 3 | 3,757.64 | 3 | 3,393.88 | 3 | 3,030.12 | 3 | 2,666.36 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,766.19 | 1/4 | 4,446.06 | 1/4 | 4,108.73 | 1/4 | 3,750.06 | 1/4 | 3,386.30 | 1/4 | 3,022.54 | 1/4 | 2,658.78 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,758.69 | 1/2 | 4,439.31 | 1/2 | 4,101.46 | 1/2 | 3,742.48 | 1/2 | 3,378.72 | 1/2 | 3,014.96 | 1/2 | 2,651.20 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,751.34 | 3/4 | 4,432.55 | 3/4 | 4,094.17 | 3/4 | 3,734.90 | 3/4 | 3,371.14 | 3/4 | 3,007.38 | 3/4 | 2,643.63 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4,744.12 | 4 | 4,425.77 | 4 | 4,086.86 | 4 | 3,727.32 | 4 | 3,363.56 | 4 | 2,999.81 | 4 | 2,636.05 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,736.91 | 1/4 | 4,418.98 | 1/4 | 4,079.55 | 1/4 | 3,719.74 | 1/4 | 3,355.99 | 1/4 | 2,992.23 | 1/4 | 2,628.47 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,729.69 | 1/2 | 4,412.20 | 1/2 | 4,072.25 | 1/2 | 3,712.17 | 1/2 | 3,348.41 | 1/2 | 2,984.65 | 1/2 | 2,620.89 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,722.75 | 3/4 | 4,405.40 | 3/4 | 4,064.92 | 3/4 | 3,704.59 | 3/4 | 3,340.83 | 3/4 | 2,977.07 | 3/4 | 2,613.31 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4,716.07 | 5 | 4,398.57 | 5 | 4,057.58 | 5 | 3,697.01 | 5 | 3,333.25 | 5 | 2,969.49 | 5 | 2,605.73 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,709.40 | 1/4 | 4,391.75 | 1/4 | 4,050.24 | 1/4 | 3,689.43 | 1/4 | 3,325.67 | 1/4 | 2,961.91 | 1/4 | 2,598.16 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,702.73 | 1/2 | 4,384.93 | 1/2 | 4,042.90 | 1/2 | 3,681.85 | 1/2 | 3,318.09 | 1/2 | 2,954.34 | 1/2 | 2,590.58 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,696.18 | 3/4 | 4,378.09 | 3/4 | 4,035.54 | 3/4 | 3,674.27 | 3/4 | 3,310.52 | 3/4 | 2,946.76 | 3/4 | 2,583.00 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4,689.76 | 6 | 4,371.23 | 6 | 4,028.16 | 6 | 3,666.70 | 6 | 3,302.94 | 6 | 2,939.18 | 6 | 2,575.42 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,683.34 | 1/4 | 4,364.38 | 1/4 | 4,020.78 | 1/4 | 3,659.12 | 1/4 | 3,295.36 | 1/4 | 2,931.60 | 1/4 | 2,567.84 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,676.92 | 1/2 | 4,357.52 | 1/2 | 4,013.40 | 1/2 | 3,651.54 | 1/2 | 3,287.78 | 1/2 | 2,924.02 | 1/2 | 2,560.26 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,670.48 | 3/4 | 4,350.63 | 3/4 | 4,006.00 | 3/4 | 3,643.96 | 3/4 | 3,280.20 | 3/4 | 2,916.44 | 3/4 | 2,552.69 |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4,664.02 | 7 | 4,343.71 | 7 | 3,998.59 | 7 | 3,636.38 | 7 | 3,272.62 | 7 | 2,908.87 | 7 | 2,545.11 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,657.56 | 1/4 | 4,336.80 | 1/4 | 3,991.17 | 1/4 | 3,628.80 | 1/4 | 3,265.05 | 1/4 | 2,901.29 | 1/4 | 2,537.53 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,651.10 | 1/2 | 4,329.88 | 1/2 | 3,983.75 | 1/2 | 3,621.23 | 1/2 | 3,257.47 | 1/2 | 2,893.71 | 1/2 | 2,529.95 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,644.62 | 3/4 | 4,322.92 | 3/4 | 3,976.32 | 3/4 | 3,613.65 | 3/4 | 3,249.89 | 3/4 | 2,886.13 | 3/4 | 2,522.37 |
| 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 4,638.13 | 8 | 4,315.93 | 8 | 3,968.87 | 8 | 3,606.07 | 8 | 3,242.31 | 8 | 2,878.55 | 8 | 2,514.79 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,631.63 | 1/4 | 4,308.93 | 1/4 | 3,961.41 | 1/4 | 3,598.49 | 1/4 | 3,234.73 | 1/4 | 2,870.97 | 1/4 | 2,507.22 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,625.13 | 1/2 | 4,301.94 | 1/2 | 3,953.96 | 1/2 | 3,590.91 | 1/2 | 3,227.15 | 1/2 | 2,863.40 | 1/2 | 2,499.64 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,618.62 | 3/4 | 4,294.91 | 3/4 | 3,946.49 | 3/4 | 3,583.34 | 3/4 | 3,219.58 | 3/4 | 2,855.82 | 3/4 | 2,492.06 |
| 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 4,612.08 | 9 | 4,287.86 | 9 | 3,939.00 | 9 | 3,575.76 | 9 | 3,212.00 | 9 | 2,848.24 | 9 | 2,484.48 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,605.55 | 1/4 | 4,280.80 | 1/4 | 3,931.51 | 1/4 | 3,568.18 | 1/4 | 3,204.42 | 1/4 | 2,840.66 | 1/4 | 2,476.90 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,599.02 | 1/2 | 4,273.75 | 1/2 | 3,924.02 | 1/2 | 3,560.60 | 1/2 | 3,196.84 | 1/2 | 2,833.08 | 1/2 | 2,469.32 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,592.47 | 3/4 | 4,266.68 | 3/4 | 3,916.51 | 3/4 | 3,553.02 | 3/4 | 3,189.26 | 3/4 | 2,825.50 | 3/4 | 2,461.75 |
| 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 4,585.90 | 10 | 4,259.59 | 10 | 3,908.98 | 10 | 3,545.44 | 10 | 3,181.69 | 10 | 2,817.93 | 10 | 2,454.17 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,579.32 | 1/4 | 4,252.50 | 1/4 | 3,901.46 | 1/4 | 3,537.87 | 1/4 | 3,174.11 | 1/4 | 2,810.35 | 1/4 | 2,446.59 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,572.75 | 1/2 | 4,245.40 | 1/2 | 3,893.93 | 1/2 | 3,530.29 | 1/2 | 3,166.53 | 1/2 | 2,802.77 | 1/2 | 2,439.01 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,566.17 | 3/4 | 4,238.29 | 3/4 | 3,886.39 | 3/4 | 3,522.71 | 3/4 | 3,158.95 | 3/4 | 2,795.19 | 3/4 | 2,431.43 |
| 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 4,559.56 | 11 | 4,231.17 | 11 | 3,878.83 | 11 | 3,515.13 | 11 | 3,151.37 | 11 | 2,787.61 | 11 | 2,423.86 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,552.95 | 1/4 | 4,224.04 | 1/4 | 3,871.27 | 1/4 | 3,507.55 | 1/4 | 3,143.79 | 1/4 | 2,780.04 | 1/4 | 2,416.28 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,546.34 | 1/2 | 4,216.91 | 1/2 | 3,863.71 | 1/2 | 3,499.97 | 1/2 | 3,136.22 | 1/2 | 2,772.46 | 1/2 | 2,408.70 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,539.72 | 3/4 | 4,209.76 | 3/4 | 3,856.14 | 3/4 | 3,492.40 | 3/4 | 3,128.64 | 3/4 | 2,764.88 | 3/4 | 2,401.12 |

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 AT 2" RESTRICTED GAUGE.
 GAUGE POINT: (MANUAL) LOCATED 12'-9" OFF CENTERLINE AND 50'-08" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 27723"

2 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 5/8"

| 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 | 2,393.54 | 0 | 2,029.78 | 0 | 1,666.01 | 0 | 1,306.12 | 0 | 943.34 | 0 | 580.00 | 0 | 223.48 | 0 | | 0 | | | |
| 1/4 | 2,385.96 | 1/4 | 2,022.21 | 1/4 | 1,658.44 | 1/4 | 1,298.54 | 1/4 | 935.79 | 1/4 | 572.65 | 1/4 | 215.92 | 1/4 | | 1/4 | | | |
| 1/2 | 2,378.39 | 1/2 | 2,014.63 | 1/2 | 1,650.86 | 1/2 | 1,290.97 | 1/2 | 928.24 | 1/2 | 565.29 | 1/2 | 208.37 | 1/2 | | 1/2 | | | |
| 3/4 | 2,370.81 | 3/4 | 2,007.05 | 3/4 | 1,643.28 | 3/4 | 1,283.39 | 3/4 | 920.68 | 3/4 | 558.16 | 3/4 | 200.82 | 3/4 | | 3/4 | | | |
| 1 | 2,363.23 | 1 | 1,999.47 | 1 | 1,635.70 | 1 | 1,275.81 | 1 | 913.11 | 1 | 551.26 | 1 | 193.27 | 1 | | 1 | | | |
| 1/4 | 2,355.65 | 1/4 | 1,991.89 | 1/4 | 1,628.12 | 1/4 | 1,268.23 | 1/4 | 905.55 | 1/4 | 544.35 | 1/4 | 185.72 | 1/4 | | 1/4 | | | |
| 1/2 | 2,348.07 | 1/2 | 1,984.32 | 1/2 | 1,620.54 | 1/2 | 1,260.65 | 1/2 | 897.98 | 1/2 | 537.44 | 1/2 | 178.18 | 1/2 | | 1/2 | | | |
| 3/4 | 2,340.49 | 3/4 | 1,976.74 | 3/4 | 1,612.96 | 3/4 | 1,253.07 | 3/4 | 890.41 | 3/4 | 530.53 | 3/4 | 170.74 | 3/4 | | 3/4 | | | |
| 2 | 2,332.92 | 2 | 1,969.16 | 2 | 1,605.39 | 2 | 1,245.49 | 2 | 882.83 | 2 | 523.63 | 2 | 163.42 | 2 | | 2 | | | |
| 1/4 | 2,325.34 | 1/4 | 1,961.58 | 1/4 | 1,597.81 | 1/4 | 1,237.91 | 1/4 | 875.25 | 1/4 | 516.72 | 1/4 | 156.10 | 1/4 | | 1/4 | | | |
| 1/2 | 2,317.76 | 1/2 | 1,954.00 | 1/2 | 1,590.23 | 1/2 | 1,230.33 | 1/2 | 867.67 | 1/2 | 509.81 | 1/2 | 148.78 | 1/2 | | 1/2 | | | |
| 3/4 | 2,310.18 | 3/4 | 1,946.42 | 3/4 | 1,582.65 | 3/4 | 1,222.76 | 3/4 | 860.09 | 3/4 | 502.68 | 3/4 | 141.68 | 3/4 | | 3/4 | | | |
| 3 | 2,302.60 | 3 | 1,938.84 | 3 | 1,575.07 | 3 | 1,215.19 | 3 | 852.51 | 3 | 495.34 | 3 | 134.80 | 3 | | 3 | | | |
| 1/4 | 2,295.02 | 1/4 | 1,931.27 | 1/4 | 1,567.49 | 1/4 | 1,207.63 | 1/4 | 844.93 | 1/4 | 487.99 | 1/4 | 127.92 | 1/4 | | 1/4 | | | |
| 1/2 | 2,287.45 | 1/2 | 1,923.69 | 1/2 | 1,559.91 | 1/2 | 1,200.06 | 1/2 | 837.36 | 1/2 | 480.64 | 1/2 | 121.04 | 1/2 | | 1/2 | | | |
| 3/4 | 2,279.87 | 3/4 | 1,916.11 | 3/4 | 1,552.38 | 3/4 | 1,192.50 | 3/4 | 829.78 | 3/4 | 473.19 | 3/4 | 114.17 | 3/4 | | 3/4 | | | |
| 4 | 2,272.29 | 4 | 1,908.53 | 4 | 1,544.88 | 4 | 1,184.95 | 4 | 822.20 | 4 | 465.63 | 4 | 107.31 | 4 | | 4 | | | |
| 1/4 | 2,264.71 | 1/4 | 1,900.95 | 1/4 | 1,537.38 | 1/4 | 1,177.40 | 1/4 | 814.62 | 1/4 | 458.08 | 1/4 | 100.44 | 1/4 | | 1/4 | | | |
| 1/2 | 2,257.13 | 1/2 | 1,893.37 | 1/2 | 1,529.88 | 1/2 | 1,169.85 | 1/2 | 807.04 | 1/2 | 450.52 | 1/2 | 93.58 | 1/2 | | 1/2 | | | |
| 3/4 | 2,249.55 | 3/4 | 1,885.79 | 3/4 | 1,522.43 | 3/4 | 1,162.29 | 3/4 | 799.46 | 3/4 | 442.97 | 3/4 | 86.51 | 3/4 | | 3/4 | | | |
| 5 | 2,241.98 | 5 | 1,878.22 | 5 | 1,515.01 | 5 | 1,154.74 | 5 | 791.88 | 5 | 435.42 | 5 | 79.23 | 5 | | 5 | | | |
| 1/4 | 2,234.40 | 1/4 | 1,870.64 | 1/4 | 1,507.59 | 1/4 | 1,147.19 | 1/4 | 784.30 | 1/4 | 427.87 | 1/4 | 71.95 | 1/4 | | 1/4 | | | |
| 1/2 | 2,226.82 | 1/2 | 1,863.06 | 1/2 | 1,500.18 | 1/2 | 1,139.64 | 1/2 | 776.72 | 1/2 | 420.32 | 1/2 | 64.67 | 1/2 | | 1/2 | | | |
| 3/4 | 2,219.24 | 3/4 | 1,855.48 | 3/4 | 1,492.76 | 3/4 | 1,132.09 | 3/4 | 769.15 | 3/4 | 412.77 | 3/4 | 57.58 | 3/4 | | 3/4 | | | |
| 6 | 2,211.66 | 6 | 1,847.90 | 6 | 1,485.34 | 6 | 1,124.54 | 6 | 761.57 | 6 | 405.21 | 6 | 50.69 | 6 | | 6 | | | |
| 1/4 | 2,204.08 | 1/4 | 1,840.32 | 1/4 | 1,477.93 | 1/4 | 1,116.99 | 1/4 | 753.99 | 1/4 | 397.65 | 1/4 | 43.79 | 1/4 | | 1/4 | | | |
| 1/2 | 2,196.51 | 1/2 | 1,832.74 | 1/2 | 1,470.51 | 1/2 | 1,109.44 | 1/2 | 746.41 | 1/2 | 390.10 | 1/2 | 36.89 | 1/2 | | 1/2 | | | |
| 3/4 | 2,188.93 | 3/4 | 1,825.17 | 3/4 | 1,463.09 | 3/4 | 1,101.89 | 3/4 | 738.83 | 3/4 | 382.53 | 3/4 | 30.92 | 3/4 | | 3/4 | | | |
| 7 | 2,181.35 | 7 | 1,817.59 | 7 | 1,455.68 | 7 | 1,094.34 | 7 | 731.25 | 7 | 374.96 | 7 | 25.87 | 7 | | 7 | | | |
| 1/4 | 2,173.77 | 1/4 | 1,810.01 | 1/4 | 1,448.26 | 1/4 | 1,086.79 | 1/4 | 723.67 | 1/4 | 367.39 | 1/4 | 20.82 | 1/4 | | 1/4 | | | |
| 1/2 | 2,166.19 | 1/2 | 1,802.43 | 1/2 | 1,440.85 | 1/2 | 1,079.24 | 1/2 | 716.09 | 1/2 | 359.82 | 1/2 | 15.77 | 1/2 | | 1/2 | | | |
| 3/4 | 2,158.61 | 3/4 | 1,794.85 | 3/4 | 1,433.43 | 3/4 | 1,071.69 | 3/4 | 708.51 | 3/4 | 352.25 | 3/4 | 13.25 | 3/4 | | 3/4 | | | |
| 8 | 2,151.04 | 8 | 1,787.27 | 8 | 1,426.01 | 8 | 1,064.14 | 8 | 700.94 | 8 | 344.67 | 8 | | 8 | | 8 | | | |
| 1/4 | 2,143.46 | 1/4 | 1,779.69 | 1/4 | 1,418.60 | 1/4 | 1,056.59 | 1/4 | 693.36 | 1/4 | 337.09 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 2,135.88 | 1/2 | 1,772.12 | 1/2 | 1,411.18 | 1/2 | 1,049.04 | 1/2 | 685.78 | 1/2 | 329.51 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 2,128.30 | 3/4 | 1,764.54 | 3/4 | 1,403.76 | 3/4 | 1,041.49 | 3/4 | 678.20 | 3/4 | 321.93 | 3/4 | | 3/4 | | 3/4 | | | |
| 9 | 2,120.72 | 9 | 1,756.96 | 9 | 1,396.34 | 9 | 1,033.94 | 9 | 670.62 | 9 | 314.36 | 9 | | 9 | | 9 | | | |
| 1/4 | 2,113.14 | 1/4 | 1,749.38 | 1/4 | 1,388.93 | 1/4 | 1,026.39 | 1/4 | 663.04 | 1/4 | 306.78 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 2,105.57 | 1/2 | 1,741.80 | 1/2 | 1,381.51 | 1/2 | 1,018.84 | 1/2 | 655.46 | 1/2 | 299.20 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 2,097.99 | 3/4 | 1,734.22 | 3/4 | 1,374.05 | 3/4 | 1,011.29 | 3/4 | 647.88 | 3/4 | 291.62 | 3/4 | | 3/4 | | 3/4 | | | |
| 10 | 2,090.41 | 10 | 1,726.64 | 10 | 1,366.55 | 10 | 1,003.74 | 10 | 640.30 | 10 | 284.04 | 10 | | 10 | | 10 | | | |
| 1/4 | 2,082.83 | 1/4 | 1,719.07 | 1/4 | 1,359.06 | 1/4 | 996.19 | 1/4 | 632.72 | 1/4 | 276.47 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 2,075.25 | 1/2 | 1,711.49 | 1/2 | 1,351.56 | 1/2 | 988.64 | 1/2 | 625.14 | 1/2 | 268.89 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 2,067.67 | 3/4 | 1,703.91 | 3/4 | 1,344.02 | 3/4 | 981.09 | 3/4 | 617.57 | 3/4 | 261.31 | 3/4 | | 3/4 | | 3/4 | | | |
| 11 | 2,060.10 | 11 | 1,696.33 | 11 | 1,336.44 | 11 | 973.54 | 11 | 609.99 | 11 | 253.74 | 11 | | 11 | | 11 | | | |
| 1/4 | 2,052.52 | 1/4 | 1,688.75 | 1/4 | 1,328.86 | 1/4 | 965.99 | 1/4 | 602.41 | 1/4 | 246.17 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 2,044.94 | 1/2 | 1,681.17 | 1/2 | 1,321.28 | 1/2 | 958.44 | 1/2 | 594.83 | 1/2 | 238.60 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 2,037.36 | 3/4 | 1,673.59 | 3/4 | 1,313.70 | 3/4 | 950.89 | 3/4 | 587.36 | 3/4 | 231.04 | 3/4 | | 3/4 | | 3/4 | | | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2005 CL - SW
CALCULATED: 03/25/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2005

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



BARGE "KIRBY 27723"

3 PORT 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 | | 0 | 3,931.71 | 0 | 3,754.75 | 0 | 3,564.08 | 0 | 3,363.22 | 0 | 3,000.86 | 0 | 2,637.27 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,099.68 | 1/4 | 3,928.18 | 1/4 | 3,750.90 | 1/4 | 3,560.01 | 1/4 | 3,357.38 | 1/4 | 2,993.29 | 1/4 | 2,629.69 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,096.40 | 1/2 | 3,924.63 | 1/2 | 3,747.03 | 1/2 | 3,555.93 | 1/2 | 3,349.78 | 1/2 | 2,985.71 | 1/2 | 2,622.12 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,093.13 | 3/4 | 3,921.08 | 3/4 | 3,743.16 | 3/4 | 3,551.86 | 3/4 | 3,342.19 | 3/4 | 2,978.14 | 3/4 | 2,614.54 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4,089.85 | 1 | 3,917.53 | 1 | 3,739.28 | 1 | 3,547.78 | 1 | 3,334.59 | 1 | 2,970.56 | 1 | 2,606.97 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,086.57 | 1/4 | 3,913.98 | 1/4 | 3,735.41 | 1/4 | 3,543.71 | 1/4 | 3,326.99 | 1/4 | 2,962.99 | 1/4 | 2,599.39 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,082.66 | 1/2 | 3,910.41 | 1/2 | 3,731.52 | 1/2 | 3,539.63 | 1/2 | 3,319.39 | 1/2 | 2,955.41 | 1/2 | 2,591.82 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,078.75 | 3/4 | 3,906.84 | 3/4 | 3,727.63 | 3/4 | 3,535.56 | 3/4 | 3,311.80 | 3/4 | 2,947.84 | 3/4 | 2,584.24 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4,074.84 | 2 | 3,903.28 | 2 | 3,723.74 | 2 | 3,531.48 | 2 | 3,304.20 | 2 | 2,940.26 | 2 | 2,576.67 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,070.93 | 1/4 | 3,899.71 | 1/4 | 3,719.84 | 1/4 | 3,527.41 | 1/4 | 3,296.60 | 1/4 | 2,932.69 | 1/4 | 2,569.09 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,066.94 | 1/2 | 3,896.12 | 1/2 | 3,715.93 | 1/2 | 3,523.33 | 1/2 | 3,289.00 | 1/2 | 2,925.11 | 1/2 | 2,561.52 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,062.95 | 3/4 | 3,892.53 | 3/4 | 3,712.02 | 3/4 | 3,519.26 | 3/4 | 3,281.41 | 3/4 | 2,917.54 | 3/4 | 2,553.94 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4,058.96 | 3 | 3,888.94 | 3 | 3,708.11 | 3 | 3,515.19 | 3 | 3,273.81 | 3 | 2,909.96 | 3 | 2,546.37 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,054.97 | 1/4 | 3,885.36 | 1/4 | 3,704.20 | 1/4 | 3,511.11 | 1/4 | 3,266.21 | 1/4 | 2,902.39 | 1/4 | 2,538.79 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,051.13 | 1/2 | 3,881.75 | 1/2 | 3,700.27 | 1/2 | 3,507.04 | 1/2 | 3,258.61 | 1/2 | 2,894.81 | 1/2 | 2,531.22 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,047.29 | 3/4 | 3,878.14 | 3/4 | 3,696.34 | 3/4 | 3,502.96 | 3/4 | 3,251.02 | 3/4 | 2,887.24 | 3/4 | 2,523.64 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4,043.45 | 4 | 3,874.53 | 4 | 3,692.41 | 4 | 3,498.89 | 4 | 3,243.42 | 4 | 2,879.66 | 4 | 2,516.07 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,039.61 | 1/4 | 3,870.92 | 1/4 | 3,688.48 | 1/4 | 3,494.81 | 1/4 | 3,235.82 | 1/4 | 2,872.09 | 1/4 | 2,508.49 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,036.06 | 1/2 | 3,867.30 | 1/2 | 3,684.54 | 1/2 | 3,490.74 | 1/2 | 3,228.23 | 1/2 | 2,864.51 | 1/2 | 2,500.92 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,032.51 | 3/4 | 3,863.67 | 3/4 | 3,680.59 | 3/4 | 3,486.66 | 3/4 | 3,220.63 | 3/4 | 2,856.94 | 3/4 | 2,493.34 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4,028.96 | 5 | 3,860.04 | 5 | 3,676.64 | 5 | 3,482.59 | 5 | 3,213.03 | 5 | 2,849.36 | 5 | 2,485.77 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,025.42 | 1/4 | 3,856.41 | 1/4 | 3,672.70 | 1/4 | 3,478.51 | 1/4 | 3,205.43 | 1/4 | 2,841.79 | 1/4 | 2,478.19 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,022.00 | 1/2 | 3,852.76 | 1/2 | 3,668.73 | 1/2 | 3,474.44 | 1/2 | 3,197.85 | 1/2 | 2,834.21 | 1/2 | 2,470.62 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,018.59 | 3/4 | 3,849.12 | 3/4 | 3,664.76 | 3/4 | 3,470.36 | 3/4 | 3,190.26 | 3/4 | 2,826.64 | 3/4 | 2,463.04 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4,015.18 | 6 | 3,845.47 | 6 | 3,660.79 | 6 | 3,466.29 | 6 | 3,182.67 | 6 | 2,819.06 | 6 | 2,455.47 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,011.76 | 1/4 | 3,841.82 | 1/4 | 3,656.83 | 1/4 | 3,462.22 | 1/4 | 3,175.08 | 1/4 | 2,811.49 | 1/4 | 2,447.89 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,008.33 | 1/2 | 3,838.13 | 1/2 | 3,652.84 | 1/2 | 3,458.14 | 1/2 | 3,167.51 | 1/2 | 2,803.91 | 1/2 | 2,440.32 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,004.90 | 3/4 | 3,834.44 | 3/4 | 3,648.85 | 3/4 | 3,454.07 | 3/4 | 3,159.93 | 3/4 | 2,796.34 | 3/4 | 2,432.74 |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4,001.46 | 7 | 3,830.75 | 7 | 3,644.87 | 7 | 3,449.99 | 7 | 3,152.36 | 7 | 2,788.76 | 7 | 2,425.17 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 3,998.03 | 1/4 | 3,827.06 | 1/4 | 3,640.88 | 1/4 | 3,445.92 | 1/4 | 3,144.78 | 1/4 | 2,781.19 | 1/4 | 2,417.59 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 3,994.58 | 1/2 | 3,823.31 | 1/2 | 3,636.87 | 1/2 | 3,441.84 | 1/2 | 3,137.21 | 1/2 | 2,773.61 | 1/2 | 2,410.02 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3,991.13 | 3/4 | 3,819.56 | 3/4 | 3,632.86 | 3/4 | 3,437.77 | 3/4 | 3,129.63 | 3/4 | 2,766.04 | 3/4 | 2,402.44 |
| 8 | 8 | 8 | 8 | 8 | 8 | 8 | 3,987.67 | 8 | 3,815.81 | 8 | 3,628.86 | 8 | 3,433.69 | 8 | 3,122.06 | 8 | 2,758.46 | 8 | 2,394.87 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 3,984.22 | 1/4 | 3,812.06 | 1/4 | 3,624.85 | 1/4 | 3,429.62 | 1/4 | 3,114.48 | 1/4 | 2,750.89 | 1/4 | 2,387.29 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 3,980.75 | 1/2 | 3,808.27 | 1/2 | 3,620.82 | 1/2 | 3,425.54 | 1/2 | 3,106.91 | 1/2 | 2,743.31 | 1/2 | 2,379.72 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3,977.27 | 3/4 | 3,804.47 | 3/4 | 3,616.80 | 3/4 | 3,421.47 | 3/4 | 3,099.33 | 3/4 | 2,735.74 | 3/4 | 2,372.14 |
| 9 | 9 | 9 | 9 | 9 | 9 | 9 | 3,973.80 | 9 | 3,800.68 | 9 | 3,612.77 | 9 | 3,417.39 | 9 | 3,091.76 | 9 | 2,728.16 | 9 | 2,364.57 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 3,970.33 | 1/4 | 3,796.89 | 1/4 | 3,608.74 | 1/4 | 3,413.32 | 1/4 | 3,084.18 | 1/4 | 2,720.59 | 1/4 | 2,356.99 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 3,966.83 | 1/2 | 3,793.08 | 1/2 | 3,604.69 | 1/2 | 3,409.25 | 1/2 | 3,076.61 | 1/2 | 2,713.01 | 1/2 | 2,349.42 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3,963.34 | 3/4 | 3,789.27 | 3/4 | 3,600.65 | 3/4 | 3,405.17 | 3/4 | 3,069.03 | 3/4 | 2,705.44 | 3/4 | 2,341.84 |
| 10 | 10 | 10 | 10 | 10 | 10 | 10 | 3,959.85 | 10 | 3,785.45 | 10 | 3,596.60 | 10 | 3,401.10 | 10 | 3,061.46 | 10 | 2,697.86 | 10 | 2,334.27 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 3,956.36 | 1/4 | 3,781.64 | 1/4 | 3,592.55 | 1/4 | 3,397.02 | 1/4 | 3,053.88 | 1/4 | 2,690.29 | 1/4 | 2,326.69 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 3,952.84 | 1/2 | 3,777.81 | 1/2 | 3,588.49 | 1/2 | 3,392.95 | 1/2 | 3,046.31 | 1/2 | 2,682.71 | 1/2 | 2,319.12 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3,949.33 | 3/4 | 3,773.98 | 3/4 | 3,584.42 | 3/4 | 3,388.87 | 3/4 | 3,038.74 | 3/4 | 2,675.14 | 3/4 | 2,311.54 |
| 11 | 11 | 11 | 11 | 11 | 11 | 11 | 3,945.82 | 11 | 3,770.14 | 11 | 3,580.36 | 11 | 3,384.80 | 11 | 3,031.16 | 11 | 2,667.57 | 11 | 2,303.97 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 3,942.30 | 1/4 | 3,766.31 | 1/4 | 3,576.30 | 1/4 | 3,380.72 | 1/4 | 3,023.59 | 1/4 | 2,659.99 | 1/4 | 2,296.39 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 3,938.77 | 1/2 | 3,762.46 | 1/2 | 3,572.22 | 1/2 | 3,374.89 | 1/2 | 3,016.01 | 1/2 | 2,652.42 | 1/2 | 2,288.82 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3,935.24 | 3/4 | 3,758.61 | 3/4 | 3,568.15 | 3/4 | 3,369.05 | 3/4 | 3,008.44 | 3/4 | 2,644.84 | 3/4 | 2,281.25 |

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 AT 2" RESTRICTED GAUGE.
 GAUGE POINT: (MANUAL) LOCATED 12'-9" OFF CENTERLINE AND 50'-11" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 27723"

3 PORT 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 | 2,273.67 | 0 | 1,910.07 | 0 | 1,546.58 | 0 | 1,187.50 | 0 | 833.64 | 0 | 477.93 | 0 | 122.03 | 0 | | 0 | | | |
| 1/4 | 2,266.10 | 1/4 | 1,902.50 | 1/4 | 1,539.03 | 1/4 | 1,179.94 | 1/4 | 826.30 | 1/4 | 470.58 | 1/4 | 114.79 | 1/4 | | 1/4 | | | |
| 1/2 | 2,258.52 | 1/2 | 1,894.92 | 1/2 | 1,531.48 | 1/2 | 1,172.38 | 1/2 | 818.94 | 1/2 | 463.67 | 1/2 | 108.51 | 1/2 | | 1/2 | | | |
| 3/4 | 2,250.95 | 3/4 | 1,887.35 | 3/4 | 1,523.93 | 3/4 | 1,164.82 | 3/4 | 811.58 | 3/4 | 456.76 | 3/4 | 102.23 | 3/4 | | 3/4 | | | |
| 1 | 2,243.37 | 1 | 1,879.77 | 1 | 1,516.38 | 1 | 1,157.26 | 1 | 804.23 | 1 | 449.86 | 1 | 95.95 | 1 | | 1 | | | |
| 1/4 | 2,235.80 | 1/4 | 1,872.20 | 1/4 | 1,508.83 | 1/4 | 1,149.70 | 1/4 | 796.87 | 1/4 | 442.95 | 1/4 | 89.67 | 1/4 | | 1/4 | | | |
| 1/2 | 2,228.22 | 1/2 | 1,864.62 | 1/2 | 1,501.28 | 1/2 | 1,142.25 | 1/2 | 789.50 | 1/2 | 436.04 | 1/2 | 84.88 | 1/2 | | 1/2 | | | |
| 3/4 | 2,220.65 | 3/4 | 1,857.05 | 3/4 | 1,493.72 | 3/4 | 1,134.80 | 3/4 | 782.13 | 3/4 | 429.14 | 3/4 | 80.09 | 3/4 | | 3/4 | | | |
| 2 | 2,213.07 | 2 | 1,849.47 | 2 | 1,486.17 | 2 | 1,127.34 | 2 | 774.76 | 2 | 422.23 | 2 | 75.30 | 2 | | 2 | | | |
| 1/4 | 2,205.50 | 1/4 | 1,841.90 | 1/4 | 1,478.62 | 1/4 | 1,119.89 | 1/4 | 767.39 | 1/4 | 415.32 | 1/4 | 70.51 | 1/4 | | 1/4 | | | |
| 1/2 | 2,197.92 | 1/2 | 1,834.32 | 1/2 | 1,471.07 | 1/2 | 1,112.54 | 1/2 | 760.03 | 1/2 | 407.97 | 1/2 | 67.43 | 1/2 | | 1/2 | | | |
| 3/4 | 2,190.35 | 3/4 | 1,826.75 | 3/4 | 1,463.52 | 3/4 | 1,105.20 | 3/4 | 752.66 | 3/4 | 400.62 | 3/4 | 64.35 | 3/4 | | 3/4 | | | |
| 3 | 2,182.77 | 3 | 1,819.17 | 3 | 1,455.97 | 3 | 1,097.85 | 3 | 745.29 | 3 | 393.28 | 3 | 61.28 | 3 | | 3 | | | |
| 1/4 | 2,175.20 | 1/4 | 1,811.60 | 1/4 | 1,448.41 | 1/4 | 1,090.50 | 1/4 | 737.92 | 1/4 | 385.93 | 1/4 | 58.20 | 1/4 | | 1/4 | | | |
| 1/2 | 2,167.62 | 1/2 | 1,804.02 | 1/2 | 1,440.94 | 1/2 | 1,083.16 | 1/2 | 730.55 | 1/2 | 378.37 | 1/2 | 56.40 | 1/2 | | 1/2 | | | |
| 3/4 | 2,160.05 | 3/4 | 1,796.45 | 3/4 | 1,433.47 | 3/4 | 1,075.82 | 3/4 | 723.18 | 3/4 | 370.81 | 3/4 | 54.60 | 3/4 | | 3/4 | | | |
| 4 | 2,152.47 | 4 | 1,788.87 | 4 | 1,426.00 | 4 | 1,068.48 | 4 | 715.81 | 4 | 363.26 | 4 | 52.80 | 4 | | 4 | | | |
| 1/4 | 2,144.90 | 1/4 | 1,781.30 | 1/4 | 1,418.53 | 1/4 | 1,061.15 | 1/4 | 708.44 | 1/4 | 355.70 | 1/4 | 51.00 | 1/4 | | 1/4 | | | |
| 1/2 | 2,137.32 | 1/2 | 1,773.72 | 1/2 | 1,411.13 | 1/2 | 1,053.81 | 1/2 | 701.07 | 1/2 | 348.15 | 1/2 | 50.06 | 1/2 | | 1/2 | | | |
| 3/4 | 2,129.75 | 3/4 | 1,766.15 | 3/4 | 1,403.73 | 3/4 | 1,046.47 | 3/4 | 693.70 | 3/4 | 340.60 | 3/4 | 49.11 | 3/4 | | 3/4 | | | |
| 5 | 2,122.17 | 5 | 1,758.57 | 5 | 1,396.33 | 5 | 1,039.13 | 5 | 686.34 | 5 | 333.05 | 5 | 48.16 | 5 | | 5 | | | |
| 1/4 | 2,114.60 | 1/4 | 1,750.99 | 1/4 | 1,388.93 | 1/4 | 1,031.79 | 1/4 | 678.97 | 1/4 | 325.50 | 1/4 | 47.22 | 1/4 | | 1/4 | | | |
| 1/2 | 2,107.02 | 1/2 | 1,743.42 | 1/2 | 1,381.51 | 1/2 | 1,024.46 | 1/2 | 671.60 | 1/2 | 317.94 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 2,099.45 | 3/4 | 1,735.84 | 3/4 | 1,374.10 | 3/4 | 1,017.12 | 3/4 | 664.23 | 3/4 | 310.39 | 3/4 | | 3/4 | | 3/4 | | | |
| 6 | 2,091.87 | 6 | 1,728.27 | 6 | 1,366.68 | 6 | 1,009.78 | 6 | 656.86 | 6 | 302.83 | 6 | | 6 | | 6 | | | |
| 1/4 | 2,084.30 | 1/4 | 1,720.69 | 1/4 | 1,359.27 | 1/4 | 1,002.44 | 1/4 | 649.49 | 1/4 | 295.27 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 2,076.72 | 1/2 | 1,713.12 | 1/2 | 1,351.86 | 1/2 | 995.11 | 1/2 | 642.12 | 1/2 | 287.70 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 2,069.15 | 3/4 | 1,705.54 | 3/4 | 1,344.44 | 3/4 | 987.77 | 3/4 | 634.75 | 3/4 | 280.13 | 3/4 | | 3/4 | | 3/4 | | | |
| 7 | 2,061.57 | 7 | 1,697.97 | 7 | 1,337.03 | 7 | 980.43 | 7 | 627.38 | 7 | 272.56 | 7 | | 7 | | 7 | | | |
| 1/4 | 2,054.00 | 1/4 | 1,690.39 | 1/4 | 1,329.62 | 1/4 | 973.09 | 1/4 | 620.01 | 1/4 | 264.98 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 2,046.42 | 1/2 | 1,682.82 | 1/2 | 1,322.20 | 1/2 | 965.76 | 1/2 | 612.65 | 1/2 | 257.41 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 2,038.85 | 3/4 | 1,675.24 | 3/4 | 1,314.79 | 3/4 | 958.42 | 3/4 | 605.28 | 3/4 | 249.83 | 3/4 | | 3/4 | | 3/4 | | | |
| 8 | 2,031.27 | 8 | 1,667.67 | 8 | 1,307.37 | 8 | 951.08 | 8 | 597.91 | 8 | 242.25 | 8 | | 8 | | 8 | | | |
| 1/4 | 2,023.70 | 1/4 | 1,660.09 | 1/4 | 1,299.96 | 1/4 | 943.74 | 1/4 | 590.54 | 1/4 | 234.67 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 2,016.12 | 1/2 | 1,652.52 | 1/2 | 1,292.55 | 1/2 | 936.40 | 1/2 | 583.06 | 1/2 | 227.09 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 2,008.55 | 3/4 | 1,644.94 | 3/4 | 1,285.15 | 3/4 | 929.06 | 3/4 | 575.59 | 3/4 | 219.51 | 3/4 | | 3/4 | | 3/4 | | | |
| 9 | 2,000.97 | 9 | 1,637.37 | 9 | 1,277.74 | 9 | 921.73 | 9 | 568.12 | 9 | 211.93 | 9 | | 9 | | 9 | | | |
| 1/4 | 1,993.40 | 1/4 | 1,629.79 | 1/4 | 1,270.34 | 1/4 | 914.39 | 1/4 | 560.64 | 1/4 | 204.35 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 1,985.82 | 1/2 | 1,622.22 | 1/2 | 1,262.86 | 1/2 | 907.05 | 1/2 | 553.06 | 1/2 | 196.77 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 1,978.25 | 3/4 | 1,614.64 | 3/4 | 1,255.38 | 3/4 | 899.71 | 3/4 | 545.48 | 3/4 | 189.20 | 3/4 | | 3/4 | | 3/4 | | | |
| 10 | 1,970.67 | 10 | 1,607.07 | 10 | 1,247.90 | 10 | 892.37 | 10 | 537.90 | 10 | 181.62 | 10 | | 10 | | 10 | | | |
| 1/4 | 1,963.10 | 1/4 | 1,599.49 | 1/4 | 1,240.42 | 1/4 | 885.03 | 1/4 | 530.32 | 1/4 | 174.04 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 1,955.52 | 1/2 | 1,591.93 | 1/2 | 1,232.86 | 1/2 | 877.69 | 1/2 | 522.74 | 1/2 | 166.47 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 1,947.95 | 3/4 | 1,584.37 | 3/4 | 1,225.30 | 3/4 | 870.35 | 3/4 | 515.16 | 3/4 | 158.90 | 3/4 | | 3/4 | | 3/4 | | | |
| 11 | 1,940.37 | 11 | 1,576.80 | 11 | 1,217.74 | 11 | 863.01 | 11 | 507.58 | 11 | 151.32 | 11 | | 11 | | 11 | | | |
| 1/4 | 1,932.80 | 1/4 | 1,569.24 | 1/4 | 1,210.18 | 1/4 | 855.67 | 1/4 | 500.00 | 1/4 | 143.75 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 1,925.22 | 1/2 | 1,561.69 | 1/2 | 1,202.62 | 1/2 | 848.32 | 1/2 | 492.64 | 1/2 | 136.51 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 1,917.65 | 3/4 | 1,554.14 | 3/4 | 1,195.06 | 3/4 | 840.98 | 3/4 | 485.29 | 3/4 | 129.27 | 3/4 | | 3/4 | | 3/4 | | | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2005 CL - SW
CALCULATED: 03/25/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2005

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



BARGE "KIRBY 27723"

3 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 | | 0 | 3,958.68 | 0 | 3,781.68 | 0 | 3,590.96 | 0 | 3,390.06 | 0 | 3,027.06 | 0 | 2,662.30 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,126.69 | 1/4 | 3,955.15 | 1/4 | 3,777.83 | 1/4 | 3,586.89 | 1/4 | 3,384.22 | 1/4 | 3,019.46 | 1/4 | 2,654.70 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,123.42 | 1/2 | 3,951.60 | 1/2 | 3,773.96 | 1/2 | 3,582.81 | 1/2 | 3,376.63 | 1/2 | 3,011.86 | 1/2 | 2,647.10 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,120.14 | 3/4 | 3,948.05 | 3/4 | 3,770.08 | 3/4 | 3,578.74 | 3/4 | 3,369.03 | 3/4 | 3,004.26 | 3/4 | 2,639.50 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4,116.86 | 1 | 3,944.50 | 1 | 3,766.21 | 1 | 3,574.66 | 1 | 3,361.43 | 1 | 2,996.67 | 1 | 2,631.90 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,113.58 | 1/4 | 3,940.95 | 1/4 | 3,762.34 | 1/4 | 3,570.59 | 1/4 | 3,353.83 | 1/4 | 2,989.07 | 1/4 | 2,624.30 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,109.67 | 1/2 | 3,937.38 | 1/2 | 3,758.44 | 1/2 | 3,566.51 | 1/2 | 3,346.23 | 1/2 | 2,981.47 | 1/2 | 2,616.71 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,105.76 | 3/4 | 3,933.81 | 3/4 | 3,754.55 | 3/4 | 3,562.44 | 3/4 | 3,338.63 | 3/4 | 2,973.87 | 3/4 | 2,609.11 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4,101.85 | 2 | 3,930.24 | 2 | 3,750.66 | 2 | 3,558.36 | 2 | 3,331.03 | 2 | 2,966.27 | 2 | 2,601.51 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,097.93 | 1/4 | 3,926.67 | 1/4 | 3,746.76 | 1/4 | 3,554.29 | 1/4 | 3,323.43 | 1/4 | 2,958.67 | 1/4 | 2,593.91 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,093.94 | 1/2 | 3,923.08 | 1/2 | 3,742.85 | 1/2 | 3,550.21 | 1/2 | 3,315.83 | 1/2 | 2,951.07 | 1/2 | 2,586.31 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,089.95 | 3/4 | 3,919.49 | 3/4 | 3,738.94 | 3/4 | 3,546.13 | 3/4 | 3,308.23 | 3/4 | 2,943.47 | 3/4 | 2,578.71 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4,085.96 | 3 | 3,915.90 | 3 | 3,735.03 | 3 | 3,542.06 | 3 | 3,300.63 | 3 | 2,935.87 | 3 | 2,571.11 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,081.97 | 1/4 | 3,912.32 | 1/4 | 3,731.12 | 1/4 | 3,537.98 | 1/4 | 3,293.03 | 1/4 | 2,928.27 | 1/4 | 2,563.51 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,078.13 | 1/2 | 3,908.71 | 1/2 | 3,727.19 | 1/2 | 3,533.91 | 1/2 | 3,285.44 | 1/2 | 2,920.67 | 1/2 | 2,555.91 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,074.29 | 3/4 | 3,905.10 | 3/4 | 3,723.26 | 3/4 | 3,529.83 | 3/4 | 3,277.84 | 3/4 | 2,913.07 | 3/4 | 2,548.31 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4,070.45 | 4 | 3,901.49 | 4 | 3,719.33 | 4 | 3,525.76 | 4 | 3,270.24 | 4 | 2,905.48 | 4 | 2,540.71 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,066.60 | 1/4 | 3,897.88 | 1/4 | 3,715.40 | 1/4 | 3,521.68 | 1/4 | 3,262.64 | 1/4 | 2,897.88 | 1/4 | 2,533.11 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,063.06 | 1/2 | 3,894.25 | 1/2 | 3,711.45 | 1/2 | 3,517.60 | 1/2 | 3,255.04 | 1/2 | 2,890.28 | 1/2 | 2,525.52 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,059.51 | 3/4 | 3,890.62 | 3/4 | 3,707.50 | 3/4 | 3,513.53 | 3/4 | 3,247.44 | 3/4 | 2,882.68 | 3/4 | 2,517.92 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4,055.96 | 5 | 3,886.99 | 5 | 3,703.55 | 5 | 3,509.45 | 5 | 3,239.84 | 5 | 2,875.08 | 5 | 2,510.32 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,052.41 | 1/4 | 3,883.37 | 1/4 | 3,699.61 | 1/4 | 3,505.38 | 1/4 | 3,232.24 | 1/4 | 2,867.48 | 1/4 | 2,502.72 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,049.00 | 1/2 | 3,879.72 | 1/2 | 3,695.64 | 1/2 | 3,501.30 | 1/2 | 3,224.64 | 1/2 | 2,859.88 | 1/2 | 2,495.12 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,045.58 | 3/4 | 3,876.07 | 3/4 | 3,691.67 | 3/4 | 3,497.23 | 3/4 | 3,217.04 | 3/4 | 2,852.28 | 3/4 | 2,487.52 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4,042.17 | 6 | 3,872.42 | 6 | 3,687.70 | 6 | 3,493.15 | 6 | 3,209.44 | 6 | 2,844.68 | 6 | 2,479.92 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,038.76 | 1/4 | 3,868.77 | 1/4 | 3,683.73 | 1/4 | 3,489.08 | 1/4 | 3,201.84 | 1/4 | 2,837.08 | 1/4 | 2,472.32 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,035.32 | 1/2 | 3,865.08 | 1/2 | 3,679.75 | 1/2 | 3,485.00 | 1/2 | 3,194.24 | 1/2 | 2,829.48 | 1/2 | 2,464.72 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,031.89 | 3/4 | 3,861.39 | 3/4 | 3,675.76 | 3/4 | 3,480.92 | 3/4 | 3,186.65 | 3/4 | 2,821.88 | 3/4 | 2,457.12 |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4,028.45 | 7 | 3,857.70 | 7 | 3,671.77 | 7 | 3,476.85 | 7 | 3,179.05 | 7 | 2,814.28 | 7 | 2,449.52 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,025.02 | 1/4 | 3,854.01 | 1/4 | 3,667.78 | 1/4 | 3,472.77 | 1/4 | 3,171.45 | 1/4 | 2,806.69 | 1/4 | 2,441.92 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,021.57 | 1/2 | 3,850.26 | 1/2 | 3,663.77 | 1/2 | 3,468.70 | 1/2 | 3,163.85 | 1/2 | 2,799.09 | 1/2 | 2,434.32 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,018.11 | 3/4 | 3,846.51 | 3/4 | 3,659.76 | 3/4 | 3,464.62 | 3/4 | 3,156.25 | 3/4 | 2,791.49 | 3/4 | 2,426.73 |
| 8 | 8 | 8 | 8 | 8 | 8 | 8 | 4,014.66 | 8 | 3,842.75 | 8 | 3,655.76 | 8 | 3,460.55 | 8 | 3,148.65 | 8 | 2,783.89 | 8 | 2,419.13 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,011.20 | 1/4 | 3,839.00 | 1/4 | 3,651.75 | 1/4 | 3,456.47 | 1/4 | 3,141.05 | 1/4 | 2,776.29 | 1/4 | 2,411.53 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,007.73 | 1/2 | 3,835.21 | 1/2 | 3,647.72 | 1/2 | 3,452.40 | 1/2 | 3,133.45 | 1/2 | 2,768.69 | 1/2 | 2,403.93 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,004.26 | 3/4 | 3,831.42 | 3/4 | 3,643.69 | 3/4 | 3,448.32 | 3/4 | 3,125.85 | 3/4 | 2,761.09 | 3/4 | 2,396.33 |
| 9 | 9 | 9 | 9 | 9 | 9 | 9 | 4,000.78 | 9 | 3,827.62 | 9 | 3,639.66 | 9 | 3,444.24 | 9 | 3,118.25 | 9 | 2,753.49 | 9 | 2,388.73 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 3,997.31 | 1/4 | 3,823.83 | 1/4 | 3,635.64 | 1/4 | 3,440.17 | 1/4 | 3,110.65 | 1/4 | 2,745.89 | 1/4 | 2,381.13 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 3,993.81 | 1/2 | 3,820.02 | 1/2 | 3,631.59 | 1/2 | 3,436.09 | 1/2 | 3,103.05 | 1/2 | 2,738.29 | 1/2 | 2,373.53 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3,990.32 | 3/4 | 3,816.20 | 3/4 | 3,627.54 | 3/4 | 3,432.02 | 3/4 | 3,095.46 | 3/4 | 2,730.69 | 3/4 | 2,365.93 |
| 10 | 10 | 10 | 10 | 10 | 10 | 10 | 3,986.83 | 10 | 3,812.39 | 10 | 3,623.49 | 10 | 3,427.94 | 10 | 3,087.86 | 10 | 2,723.09 | 10 | 2,358.33 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 3,983.33 | 1/4 | 3,808.58 | 1/4 | 3,619.44 | 1/4 | 3,423.87 | 1/4 | 3,080.26 | 1/4 | 2,715.50 | 1/4 | 2,350.73 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 3,979.82 | 1/2 | 3,804.74 | 1/2 | 3,615.38 | 1/2 | 3,419.79 | 1/2 | 3,072.66 | 1/2 | 2,707.90 | 1/2 | 2,343.13 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3,976.31 | 3/4 | 3,800.91 | 3/4 | 3,611.31 | 3/4 | 3,415.71 | 3/4 | 3,065.06 | 3/4 | 2,700.30 | 3/4 | 2,335.54 |
| 11 | 11 | 11 | 11 | 11 | 11 | 11 | 3,972.79 | 11 | 3,797.08 | 11 | 3,607.25 | 11 | 3,411.64 | 11 | 3,057.46 | 11 | 2,692.70 | 11 | 2,327.94 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 3,969.28 | 1/4 | 3,793.24 | 1/4 | 3,603.18 | 1/4 | 3,407.56 | 1/4 | 3,049.86 | 1/4 | 2,685.10 | 1/4 | 2,320.34 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 3,965.74 | 1/2 | 3,789.39 | 1/2 | 3,599.11 | 1/2 | 3,401.73 | 1/2 | 3,042.26 | 1/2 | 2,677.50 | 1/2 | 2,312.74 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3,962.21 | 3/4 | 3,785.54 | 3/4 | 3,595.04 | 3/4 | 3,395.89 | 3/4 | 3,034.66 | 3/4 | 2,669.90 | 3/4 | 2,305.14 |

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 AT 2" RESTRICTED GAUGE.
 GAUGE POINT: (MANUAL) LOCATED 12'-9" OFF CENTERLINE AND 50'-11" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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





BARGE "KIRBY 27723"

3 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 | 2,297.54 | 0 | 1,932.78 | 0 | 1,568.01 | 0 | 1,207.12 | 0 | 843.38 | 0 | 479.34 | 0 | 122.48 | 0 | | 0 | | | |
| 1/4 | 2,289.94 | 1/4 | 1,925.18 | 1/4 | 1,560.41 | 1/4 | 1,199.52 | 1/4 | 835.81 | 1/4 | 471.97 | 1/4 | 115.22 | 1/4 | | 1/4 | | | |
| 1/2 | 2,282.34 | 1/2 | 1,917.58 | 1/2 | 1,552.81 | 1/2 | 1,191.92 | 1/2 | 828.22 | 1/2 | 465.04 | 1/2 | 108.92 | 1/2 | | 1/2 | | | |
| 3/4 | 2,274.74 | 3/4 | 1,909.98 | 3/4 | 1,545.21 | 3/4 | 1,184.32 | 3/4 | 820.64 | 3/4 | 458.11 | 3/4 | 102.62 | 3/4 | | 3/4 | | | |
| 1 | 2,267.14 | 1 | 1,902.38 | 1 | 1,537.61 | 1 | 1,176.72 | 1 | 813.05 | 1 | 451.19 | 1 | 96.32 | 1 | | 1 | | | |
| 1/4 | 2,259.54 | 1/4 | 1,894.78 | 1/4 | 1,530.01 | 1/4 | 1,169.12 | 1/4 | 805.46 | 1/4 | 444.26 | 1/4 | 90.02 | 1/4 | | 1/4 | | | |
| 1/2 | 2,251.94 | 1/2 | 1,887.18 | 1/2 | 1,522.41 | 1/2 | 1,161.52 | 1/2 | 797.86 | 1/2 | 437.33 | 1/2 | 85.21 | 1/2 | | 1/2 | | | |
| 3/4 | 2,244.34 | 3/4 | 1,879.58 | 3/4 | 1,514.81 | 3/4 | 1,153.92 | 3/4 | 790.26 | 3/4 | 430.41 | 3/4 | 80.40 | 3/4 | | 3/4 | | | |
| 2 | 2,236.75 | 2 | 1,871.98 | 2 | 1,507.21 | 2 | 1,146.32 | 2 | 782.66 | 2 | 423.48 | 2 | 75.59 | 2 | | 2 | | | |
| 1/4 | 2,229.15 | 1/4 | 1,864.38 | 1/4 | 1,499.61 | 1/4 | 1,138.72 | 1/4 | 775.06 | 1/4 | 416.55 | 1/4 | 70.78 | 1/4 | | 1/4 | | | |
| 1/2 | 2,221.55 | 1/2 | 1,856.79 | 1/2 | 1,492.01 | 1/2 | 1,131.14 | 1/2 | 767.46 | 1/2 | 409.18 | 1/2 | 67.68 | 1/2 | | 1/2 | | | |
| 3/4 | 2,213.95 | 3/4 | 1,849.19 | 3/4 | 1,484.41 | 3/4 | 1,123.55 | 3/4 | 759.86 | 3/4 | 401.82 | 3/4 | 64.59 | 3/4 | | 3/4 | | | |
| 3 | 2,206.35 | 3 | 1,841.59 | 3 | 1,476.82 | 3 | 1,115.96 | 3 | 752.26 | 3 | 394.45 | 3 | 61.49 | 3 | | 3 | | | |
| 1/4 | 2,198.75 | 1/4 | 1,833.99 | 1/4 | 1,469.22 | 1/4 | 1,108.37 | 1/4 | 744.66 | 1/4 | 387.08 | 1/4 | 58.40 | 1/4 | | 1/4 | | | |
| 1/2 | 2,191.15 | 1/2 | 1,826.39 | 1/2 | 1,461.70 | 1/2 | 1,100.80 | 1/2 | 737.06 | 1/2 | 379.50 | 1/2 | 56.58 | 1/2 | | 1/2 | | | |
| 3/4 | 2,183.55 | 3/4 | 1,818.79 | 3/4 | 1,454.18 | 3/4 | 1,093.23 | 3/4 | 729.47 | 3/4 | 371.92 | 3/4 | 54.76 | 3/4 | | 3/4 | | | |
| 4 | 2,175.95 | 4 | 1,811.19 | 4 | 1,446.66 | 4 | 1,085.65 | 4 | 721.87 | 4 | 364.35 | 4 | 52.94 | 4 | | 4 | | | |
| 1/4 | 2,168.35 | 1/4 | 1,803.59 | 1/4 | 1,439.14 | 1/4 | 1,078.08 | 1/4 | 714.27 | 1/4 | 356.77 | 1/4 | 51.13 | 1/4 | | 1/4 | | | |
| 1/2 | 2,160.75 | 1/2 | 1,795.99 | 1/2 | 1,431.71 | 1/2 | 1,070.51 | 1/2 | 706.67 | 1/2 | 349.20 | 1/2 | 50.16 | 1/2 | | 1/2 | | | |
| 3/4 | 2,153.15 | 3/4 | 1,788.39 | 3/4 | 1,424.27 | 3/4 | 1,062.94 | 3/4 | 699.07 | 3/4 | 341.63 | 3/4 | 49.20 | 3/4 | | 3/4 | | | |
| 5 | 2,145.56 | 5 | 1,780.79 | 5 | 1,416.83 | 5 | 1,055.37 | 5 | 691.47 | 5 | 334.06 | 5 | 48.23 | 5 | | 5 | | | |
| 1/4 | 2,137.96 | 1/4 | 1,773.19 | 1/4 | 1,409.39 | 1/4 | 1,047.80 | 1/4 | 683.87 | 1/4 | 326.49 | 1/4 | 47.26 | 1/4 | | 1/4 | | | |
| 1/2 | 2,130.36 | 1/2 | 1,765.59 | 1/2 | 1,401.96 | 1/2 | 1,040.23 | 1/2 | 676.27 | 1/2 | 318.91 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 2,122.76 | 3/4 | 1,757.99 | 3/4 | 1,394.52 | 3/4 | 1,032.66 | 3/4 | 668.67 | 3/4 | 311.34 | 3/4 | | 3/4 | | 3/4 | | | |
| 6 | 2,115.16 | 6 | 1,750.39 | 6 | 1,387.08 | 6 | 1,025.09 | 6 | 661.07 | 6 | 303.76 | 6 | | 6 | | 6 | | | |
| 1/4 | 2,107.56 | 1/4 | 1,742.79 | 1/4 | 1,379.65 | 1/4 | 1,017.52 | 1/4 | 653.47 | 1/4 | 296.18 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 2,099.96 | 1/2 | 1,735.19 | 1/2 | 1,372.21 | 1/2 | 1,009.95 | 1/2 | 645.87 | 1/2 | 288.59 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 2,092.36 | 3/4 | 1,727.60 | 3/4 | 1,364.77 | 3/4 | 1,002.37 | 3/4 | 638.27 | 3/4 | 281.00 | 3/4 | | 3/4 | | 3/4 | | | |
| 7 | 2,084.76 | 7 | 1,720.00 | 7 | 1,357.34 | 7 | 994.80 | 7 | 630.67 | 7 | 273.41 | 7 | | 7 | | 7 | | | |
| 1/4 | 2,077.16 | 1/4 | 1,712.40 | 1/4 | 1,349.90 | 1/4 | 987.23 | 1/4 | 623.07 | 1/4 | 265.81 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 2,069.56 | 1/2 | 1,704.80 | 1/2 | 1,342.46 | 1/2 | 979.66 | 1/2 | 615.47 | 1/2 | 258.22 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 2,061.96 | 3/4 | 1,697.20 | 3/4 | 1,335.02 | 3/4 | 972.09 | 3/4 | 607.87 | 3/4 | 250.62 | 3/4 | | 3/4 | | 3/4 | | | |
| 8 | 2,054.36 | 8 | 1,689.60 | 8 | 1,327.59 | 8 | 964.52 | 8 | 600.27 | 8 | 243.02 | 8 | | 8 | | 8 | | | |
| 1/4 | 2,046.77 | 1/4 | 1,682.00 | 1/4 | 1,320.15 | 1/4 | 956.95 | 1/4 | 592.67 | 1/4 | 235.42 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 2,039.17 | 1/2 | 1,674.40 | 1/2 | 1,312.71 | 1/2 | 949.38 | 1/2 | 585.07 | 1/2 | 227.82 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 2,031.57 | 3/4 | 1,666.80 | 3/4 | 1,305.27 | 3/4 | 941.81 | 3/4 | 577.47 | 3/4 | 220.22 | 3/4 | | 3/4 | | 3/4 | | | |
| 9 | 2,023.97 | 9 | 1,659.20 | 9 | 1,297.84 | 9 | 934.24 | 9 | 569.87 | 9 | 212.62 | 9 | | 9 | | 9 | | | |
| 1/4 | 2,016.37 | 1/4 | 1,651.60 | 1/4 | 1,290.40 | 1/4 | 926.67 | 1/4 | 562.27 | 1/4 | 205.02 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 2,008.77 | 1/2 | 1,644.00 | 1/2 | 1,282.88 | 1/2 | 919.10 | 1/2 | 554.67 | 1/2 | 197.42 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 2,001.17 | 3/4 | 1,636.40 | 3/4 | 1,275.36 | 3/4 | 911.53 | 3/4 | 547.07 | 3/4 | 189.83 | 3/4 | | 3/4 | | 3/4 | | | |
| 10 | 1,993.57 | 10 | 1,628.80 | 10 | 1,267.84 | 10 | 903.96 | 10 | 539.47 | 10 | 182.23 | 10 | | 10 | | 10 | | | |
| 1/4 | 1,985.97 | 1/4 | 1,621.20 | 1/4 | 1,260.32 | 1/4 | 896.39 | 1/4 | 531.87 | 1/4 | 174.63 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 1,978.37 | 1/2 | 1,613.60 | 1/2 | 1,252.72 | 1/2 | 888.81 | 1/2 | 524.27 | 1/2 | 167.04 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 1,970.77 | 3/4 | 1,606.01 | 3/4 | 1,245.12 | 3/4 | 881.24 | 3/4 | 516.67 | 3/4 | 159.44 | 3/4 | | 3/4 | | 3/4 | | | |
| 11 | 1,963.17 | 11 | 1,598.41 | 11 | 1,237.52 | 11 | 873.67 | 11 | 509.07 | 11 | 151.85 | 11 | | 11 | | 11 | | | |
| 1/4 | 1,955.58 | 1/4 | 1,590.81 | 1/4 | 1,229.92 | 1/4 | 866.10 | 1/4 | 501.47 | 1/4 | 144.26 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 1,947.98 | 1/2 | 1,583.21 | 1/2 | 1,222.32 | 1/2 | 858.53 | 1/2 | 494.09 | 1/2 | 137.00 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 1,940.38 | 3/4 | 1,575.61 | 3/4 | 1,214.72 | 3/4 | 850.96 | 3/4 | 486.72 | 3/4 | 129.74 | 3/4 | | 3/4 | | 3/4 | | | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2005 CL - SW
CALCULATED: 03/25/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2005

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



BARGE "KIRBY 27723"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

| 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 | 2,328 | 0 | 4,656 | 0 | 6,984 | 0 | 9,312 | 0 | 11,640 | 0 | 13,968 | 0 | | 0 | | 0 | |
| 1/4 | 49 | 1/4 | 2,377 | 1/4 | 4,705 | 1/4 | 7,033 | 1/4 | 9,361 | 1/4 | 11,689 | 1/4 | 14,017 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 97 | 1/2 | 2,425 | 1/2 | 4,753 | 1/2 | 7,081 | 1/2 | 9,409 | 1/2 | 11,737 | 1/2 | 14,065 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 146 | 3/4 | 2,474 | 3/4 | 4,802 | 3/4 | 7,130 | 3/4 | 9,458 | 3/4 | 11,786 | 3/4 | 14,114 | 3/4 | | 3/4 | | 3/4 | |
| 1 | 194 | 1 | 2,522 | 1 | 4,850 | 1 | 7,178 | 1 | 9,506 | 1 | 11,834 | 1 | 14,162 | 1 | | 1 | | 1 | |
| 1/4 | 243 | 1/4 | 2,571 | 1/4 | 4,899 | 1/4 | 7,227 | 1/4 | 9,555 | 1/4 | 11,883 | 1/4 | 14,211 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 291 | 1/2 | 2,619 | 1/2 | 4,947 | 1/2 | 7,275 | 1/2 | 9,603 | 1/2 | 11,931 | 1/2 | 14,259 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 340 | 3/4 | 2,668 | 3/4 | 4,996 | 3/4 | 7,324 | 3/4 | 9,652 | 3/4 | 11,980 | 3/4 | 14,308 | 3/4 | | 3/4 | | 3/4 | |
| 2 | 388 | 2 | 2,716 | 2 | 5,044 | 2 | 7,372 | 2 | 9,700 | 2 | 12,028 | 2 | 14,356 | 2 | | 2 | | 2 | |
| 1/4 | 437 | 1/4 | 2,765 | 1/4 | 5,093 | 1/4 | 7,421 | 1/4 | 9,749 | 1/4 | 12,077 | 1/4 | 14,405 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 485 | 1/2 | 2,813 | 1/2 | 5,141 | 1/2 | 7,469 | 1/2 | 9,797 | 1/2 | 12,125 | 1/2 | 14,453 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 534 | 3/4 | 2,862 | 3/4 | 5,190 | 3/4 | 7,518 | 3/4 | 9,846 | 3/4 | 12,174 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 582 | 3 | 2,910 | 3 | 5,238 | 3 | 7,566 | 3 | 9,894 | 3 | 12,222 | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 631 | 1/4 | 2,959 | 1/4 | 5,287 | 1/4 | 7,615 | 1/4 | 9,943 | 1/4 | 12,271 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 679 | 1/2 | 3,007 | 1/2 | 5,335 | 1/2 | 7,663 | 1/2 | 9,991 | 1/2 | 12,319 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 728 | 3/4 | 3,056 | 3/4 | 5,384 | 3/4 | 7,712 | 3/4 | 10,040 | 3/4 | 12,368 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 776 | 4 | 3,104 | 4 | 5,432 | 4 | 7,760 | 4 | 10,088 | 4 | 12,416 | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 825 | 1/4 | 3,153 | 1/4 | 5,481 | 1/4 | 7,809 | 1/4 | 10,137 | 1/4 | 12,465 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 873 | 1/2 | 3,201 | 1/2 | 5,529 | 1/2 | 7,857 | 1/2 | 10,185 | 1/2 | 12,513 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 922 | 3/4 | 3,250 | 3/4 | 5,578 | 3/4 | 7,906 | 3/4 | 10,234 | 3/4 | 12,562 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 970 | 5 | 3,298 | 5 | 5,626 | 5 | 7,954 | 5 | 10,282 | 5 | 12,610 | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 1,019 | 1/4 | 3,347 | 1/4 | 5,675 | 1/4 | 8,003 | 1/4 | 10,331 | 1/4 | 12,659 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,067 | 1/2 | 3,395 | 1/2 | 5,723 | 1/2 | 8,051 | 1/2 | 10,379 | 1/2 | 12,707 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,116 | 3/4 | 3,444 | 3/4 | 5,772 | 3/4 | 8,100 | 3/4 | 10,428 | 3/4 | 12,756 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 1,164 | 6 | 3,492 | 6 | 5,820 | 6 | 8,148 | 6 | 10,476 | 6 | 12,804 | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 1,213 | 1/4 | 3,541 | 1/4 | 5,869 | 1/4 | 8,197 | 1/4 | 10,525 | 1/4 | 12,853 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,261 | 1/2 | 3,589 | 1/2 | 5,917 | 1/2 | 8,245 | 1/2 | 10,573 | 1/2 | 12,901 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,310 | 3/4 | 3,638 | 3/4 | 5,966 | 3/4 | 8,294 | 3/4 | 10,622 | 3/4 | 12,950 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 1,358 | 7 | 3,686 | 7 | 6,014 | 7 | 8,342 | 7 | 10,670 | 7 | 12,998 | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 1,407 | 1/4 | 3,735 | 1/4 | 6,063 | 1/4 | 8,391 | 1/4 | 10,719 | 1/4 | 13,047 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,455 | 1/2 | 3,783 | 1/2 | 6,111 | 1/2 | 8,439 | 1/2 | 10,767 | 1/2 | 13,095 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,504 | 3/4 | 3,832 | 3/4 | 6,160 | 3/4 | 8,488 | 3/4 | 10,816 | 3/4 | 13,144 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 1,552 | 8 | 3,880 | 8 | 6,208 | 8 | 8,536 | 8 | 10,864 | 8 | 13,192 | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 1,601 | 1/4 | 3,929 | 1/4 | 6,257 | 1/4 | 8,585 | 1/4 | 10,913 | 1/4 | 13,241 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,649 | 1/2 | 3,977 | 1/2 | 6,305 | 1/2 | 8,633 | 1/2 | 10,961 | 1/2 | 13,289 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,698 | 3/4 | 4,026 | 3/4 | 6,354 | 3/4 | 8,682 | 3/4 | 11,010 | 3/4 | 13,338 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 1,746 | 9 | 4,074 | 9 | 6,402 | 9 | 8,730 | 9 | 11,058 | 9 | 13,386 | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 1,795 | 1/4 | 4,123 | 1/4 | 6,451 | 1/4 | 8,779 | 1/4 | 11,107 | 1/4 | 13,435 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,843 | 1/2 | 4,171 | 1/2 | 6,499 | 1/2 | 8,827 | 1/2 | 11,155 | 1/2 | 13,483 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,892 | 3/4 | 4,220 | 3/4 | 6,548 | 3/4 | 8,876 | 3/4 | 11,204 | 3/4 | 13,532 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 1,940 | 10 | 4,268 | 10 | 6,596 | 10 | 8,924 | 10 | 11,252 | 10 | 13,580 | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 1,989 | 1/4 | 4,317 | 1/4 | 6,645 | 1/4 | 8,973 | 1/4 | 11,301 | 1/4 | 13,629 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,037 | 1/2 | 4,365 | 1/2 | 6,693 | 1/2 | 9,021 | 1/2 | 11,349 | 1/2 | 13,677 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,086 | 3/4 | 4,414 | 3/4 | 6,742 | 3/4 | 9,070 | 3/4 | 11,398 | 3/4 | 13,726 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 2,134 | 11 | 4,462 | 11 | 6,790 | 11 | 9,118 | 11 | 11,446 | 11 | 13,774 | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 2,183 | 1/4 | 4,511 | 1/4 | 6,839 | 1/4 | 9,167 | 1/4 | 11,495 | 1/4 | 13,823 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,231 | 1/2 | 4,559 | 1/2 | 6,887 | 1/2 | 9,215 | 1/2 | 11,543 | 1/2 | 13,871 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,280 | 3/4 | 4,608 | 3/4 | 6,936 | 3/4 | 9,264 | 3/4 | 11,592 | 3/4 | 13,920 | 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 AT GAUGE POINT.

STRAPPED: 05/01/2020 SW
CALCULATED: 05/01/2020 CL
PRINTED: 05/01/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2020

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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