



BARGE "KIRBY 28143"

ULLAGE TRIM TABLE

| | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | |
|--------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|
| | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> | <u>BOW</u> | <u>STERN</u> |
| 1 PORT | - 00-1/8 | 00-1/8 | - 00-1/4 | 00-1/4 | - 00-3/8 | 00-3/8 | - 00-1/2 | 00-1/2 | - 00-5/8 | 00-5/8 | - 00-3/4 | 00-3/4 |
| 1 STBD | - 00-1/8 | 00-1/8 | - 00-1/4 | 00-1/4 | - 00-3/8 | 00-3/8 | - 00-1/2 | 00-1/2 | - 00-5/8 | 00-5/8 | - 00-3/4 | 00-3/4 |
| 2 PORT | - 00-1/8 | 00-1/8 | - 00-1/4 | 00-1/4 | - 00-3/8 | 00-3/8 | - 00-1/2 | 00-1/2 | - 00-5/8 | 00-5/8 | - 00-3/4 | 00-3/4 |
| 2 STBD | - 00-1/8 | 00-1/8 | - 00-1/4 | 00-1/4 | - 00-3/8 | 00-3/8 | - 00-1/2 | 00-1/2 | - 00-5/8 | 00-5/8 | - 00-3/4 | 00-3/4 |
| 3 PORT | - 00-1/8 | 00-1/8 | - 00-1/4 | 00-1/4 | - 00-3/8 | 00-3/8 | - 00-1/2 | 00-1/2 | - 00-3/4 | 00-3/4 | - 00-7/8 | 00-7/8 |
| 3 STBD | - 00-1/8 | 00-1/8 | - 00-1/4 | 00-1/4 | - 00-3/8 | 00-3/8 | - 00-1/2 | 00-1/2 | - 00-3/4 | 00-3/4 | - 00-7/8 | 00-7/8 |

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 236'-03"

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PRECISION MEASUREMENT
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BARGE "KIRBY 28143"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | | | |
|-------|-----|-------|-----|-------|-----|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-----|----------|
| IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | | |
| 0 | | 0 | | 0 | | 0 | 4,202.81 | 0 | 3,914.67 | 0 | 3,612.28 | 0 | 3,295.98 | 0 | 2,967.40 | 0 | 2,636.63 | 0 | 2,305.84 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,196.91 | 1/4 | 3,908.53 | 1/4 | 3,605.81 | 1/4 | 3,289.24 | 1/4 | 2,960.51 | 1/4 | 2,629.74 | 1/4 | 2,298.95 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,191.01 | 1/2 | 3,902.38 | 1/2 | 3,599.35 | 1/2 | 3,282.49 | 1/2 | 2,953.62 | 1/2 | 2,622.85 | 1/2 | 2,292.05 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,185.11 | 3/4 | 3,896.24 | 3/4 | 3,592.89 | 3/4 | 3,275.75 | 3/4 | 2,946.73 | 3/4 | 2,615.96 | 3/4 | 2,285.16 | | |
| 1 | | 1 | | 1 | | 1 | 4,179.21 | 1 | 3,890.10 | 1 | 3,586.43 | 1 | 3,269.01 | 1 | 2,939.84 | 1 | 2,609.07 | 1 | 2,278.27 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,173.29 | 1/4 | 3,883.93 | 1/4 | 3,579.94 | 1/4 | 3,262.24 | 1/4 | 2,932.95 | 1/4 | 2,602.18 | 1/4 | 2,271.38 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,167.37 | 1/2 | 3,877.76 | 1/2 | 3,573.46 | 1/2 | 3,255.47 | 1/2 | 2,926.06 | 1/2 | 2,595.29 | 1/2 | 2,264.48 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,161.45 | 3/4 | 3,871.58 | 3/4 | 3,566.98 | 3/4 | 3,248.70 | 3/4 | 2,919.17 | 3/4 | 2,588.40 | 3/4 | 2,257.59 | | |
| 2 | | 2 | | 2 | | 2 | 4,155.53 | 2 | 3,865.41 | 2 | 3,560.49 | 2 | 3,241.93 | 2 | 2,912.27 | 2 | 2,581.51 | 2 | 2,250.70 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,149.58 | 1/4 | 3,859.22 | 1/4 | 3,553.99 | 1/4 | 3,235.14 | 1/4 | 2,905.38 | 1/4 | 2,574.62 | 1/4 | 2,243.81 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,143.63 | 1/2 | 3,853.03 | 1/2 | 3,547.48 | 1/2 | 3,228.35 | 1/2 | 2,898.49 | 1/2 | 2,567.72 | 1/2 | 2,236.91 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,137.68 | 3/4 | 3,846.84 | 3/4 | 3,540.98 | 3/4 | 3,221.56 | 3/4 | 2,891.60 | 3/4 | 2,560.83 | 3/4 | 2,230.02 | | |
| 3 | | 3 | | 3 | | 3 | 4,131.73 | 3 | 3,840.65 | 3 | 3,534.47 | 3 | 3,214.77 | 3 | 2,884.71 | 3 | 2,553.94 | 3 | 2,223.13 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,125.80 | 1/4 | 3,834.40 | 1/4 | 3,527.94 | 1/4 | 3,207.96 | 1/4 | 2,877.82 | 1/4 | 2,547.05 | 1/4 | 2,216.24 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,119.86 | 1/2 | 3,828.15 | 1/2 | 3,521.41 | 1/2 | 3,201.15 | 1/2 | 2,870.93 | 1/2 | 2,540.16 | 1/2 | 2,209.34 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,113.93 | 3/4 | 3,821.90 | 3/4 | 3,514.88 | 3/4 | 3,194.34 | 3/4 | 2,864.04 | 3/4 | 2,533.27 | 3/4 | 2,202.45 | | |
| 4 | | 4 | | 4 | | 4 | 4,107.99 | 4 | 3,815.66 | 4 | 3,508.35 | 4 | 3,187.53 | 4 | 2,857.15 | 4 | 2,526.38 | 4 | 2,195.56 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,102.03 | 1/4 | 3,809.38 | 1/4 | 3,501.80 | 1/4 | 3,180.69 | 1/4 | 2,850.26 | 1/4 | 2,519.49 | 1/4 | 2,188.67 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,096.08 | 1/2 | 3,803.11 | 1/2 | 3,495.24 | 1/2 | 3,173.85 | 1/2 | 2,843.36 | 1/2 | 2,512.60 | 1/2 | 2,181.78 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,090.12 | 3/4 | 3,796.84 | 3/4 | 3,488.69 | 3/4 | 3,167.01 | 3/4 | 2,836.47 | 3/4 | 2,505.71 | 3/4 | 2,174.88 | | |
| 5 | | 5 | | 5 | | 5 | 4,084.16 | 5 | 3,790.56 | 5 | 3,482.14 | 5 | 3,160.17 | 5 | 2,829.58 | 5 | 2,498.81 | 5 | 2,167.99 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,078.18 | 1/4 | 3,784.27 | 1/4 | 3,475.55 | 1/4 | 3,153.31 | 1/4 | 2,822.69 | 1/4 | 2,491.92 | 1/4 | 2,161.10 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,072.19 | 1/2 | 3,777.97 | 1/2 | 3,468.97 | 1/2 | 3,146.46 | 1/2 | 2,815.80 | 1/2 | 2,485.03 | 1/2 | 2,154.21 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,066.21 | 3/4 | 3,771.67 | 3/4 | 3,462.39 | 3/4 | 3,139.60 | 3/4 | 2,808.91 | 3/4 | 2,478.14 | 3/4 | 2,147.31 | | |
| 6 | | 6 | | 6 | | 6 | 4,060.23 | 6 | 3,765.38 | 6 | 3,455.81 | 6 | 3,132.74 | 6 | 2,802.02 | 6 | 2,471.25 | 6 | 2,140.42 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,352.12 | 1/4 | 4,054.22 | 1/4 | 3,759.05 | 1/4 | 3,449.21 | 1/4 | 3,125.86 | 1/4 | 2,795.13 | 1/4 | 2,464.36 | 1/4 | 2,133.53 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,346.95 | 1/2 | 4,048.22 | 1/2 | 3,752.73 | 1/2 | 3,442.61 | 1/2 | 3,118.98 | 1/2 | 2,788.24 | 1/2 | 2,457.47 | 1/2 | 2,126.64 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,341.78 | 3/4 | 4,042.21 | 3/4 | 3,746.40 | 3/4 | 3,436.00 | 3/4 | 3,112.10 | 3/4 | 2,781.35 | 3/4 | 2,450.58 | 3/4 | 2,119.74 |
| 7 | | 7 | | 7 | | 7 | 4,336.61 | 7 | 4,036.21 | 7 | 3,740.08 | 7 | 3,429.40 | 7 | 3,105.22 | 7 | 2,774.45 | 7 | 2,443.69 | 7 | 2,112.85 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,329.71 | 1/4 | 4,030.17 | 1/4 | 3,733.74 | 1/4 | 3,422.78 | 1/4 | 3,098.33 | 1/4 | 2,767.56 | 1/4 | 2,436.79 | 1/4 | 2,105.96 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,322.82 | 1/2 | 4,024.14 | 1/2 | 3,727.39 | 1/2 | 3,416.16 | 1/2 | 3,091.44 | 1/2 | 2,760.67 | 1/2 | 2,429.90 | 1/2 | 2,099.07 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,315.93 | 3/4 | 4,018.11 | 3/4 | 3,721.05 | 3/4 | 3,409.53 | 3/4 | 3,084.55 | 3/4 | 2,753.78 | 3/4 | 2,423.01 | 3/4 | 2,092.17 |
| 8 | | 8 | | 8 | | 8 | 4,309.04 | 8 | 4,012.07 | 8 | 3,714.71 | 8 | 3,402.91 | 8 | 3,077.66 | 8 | 2,746.89 | 8 | 2,416.12 | 8 | 2,085.28 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,302.15 | 1/4 | 4,006.02 | 1/4 | 3,708.34 | 1/4 | 3,396.26 | 1/4 | 3,070.77 | 1/4 | 2,740.00 | 1/4 | 2,409.22 | 1/4 | 2,078.39 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,295.25 | 1/2 | 3,999.97 | 1/2 | 3,701.97 | 1/2 | 3,389.61 | 1/2 | 3,063.88 | 1/2 | 2,733.11 | 1/2 | 2,402.33 | 1/2 | 2,071.50 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,288.36 | 3/4 | 3,993.92 | 3/4 | 3,695.61 | 3/4 | 3,382.96 | 3/4 | 3,056.99 | 3/4 | 2,726.22 | 3/4 | 2,395.44 | 3/4 | 2,064.60 |
| 9 | | 9 | | 9 | | 9 | 4,281.47 | 9 | 3,987.86 | 9 | 3,689.24 | 9 | 3,376.31 | 9 | 3,050.09 | 9 | 2,719.33 | 9 | 2,388.55 | 9 | 2,057.71 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,274.58 | 1/4 | 3,981.79 | 1/4 | 3,682.85 | 1/4 | 3,369.64 | 1/4 | 3,043.20 | 1/4 | 2,712.44 | 1/4 | 2,381.65 | 1/4 | 2,050.82 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,267.68 | 1/2 | 3,975.72 | 1/2 | 3,676.46 | 1/2 | 3,362.97 | 1/2 | 3,036.31 | 1/2 | 2,705.54 | 1/2 | 2,374.76 | 1/2 | 2,043.93 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,260.79 | 3/4 | 3,969.64 | 3/4 | 3,670.06 | 3/4 | 3,356.30 | 3/4 | 3,029.42 | 3/4 | 2,698.65 | 3/4 | 2,367.87 | 3/4 | 2,037.03 |
| 10 | | 10 | | 10 | | 10 | 4,253.90 | 10 | 3,963.57 | 10 | 3,663.67 | 10 | 3,349.62 | 10 | 3,022.53 | 10 | 2,691.76 | 10 | 2,360.98 | 10 | 2,030.14 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,247.01 | 1/4 | 3,957.47 | 1/4 | 3,657.26 | 1/4 | 3,342.93 | 1/4 | 3,015.64 | 1/4 | 2,684.87 | 1/4 | 2,354.09 | 1/4 | 2,023.25 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,240.11 | 1/2 | 3,951.36 | 1/2 | 3,650.84 | 1/2 | 3,336.24 | 1/2 | 3,008.75 | 1/2 | 2,677.98 | 1/2 | 2,347.19 | 1/2 | 2,016.36 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,233.22 | 3/4 | 3,945.26 | 3/4 | 3,644.43 | 3/4 | 3,329.55 | 3/4 | 3,001.86 | 3/4 | 2,671.09 | 3/4 | 2,340.30 | 3/4 | 2,009.47 |
| 11 | | 11 | | 11 | | 11 | 4,226.33 | 11 | 3,939.16 | 11 | 3,638.02 | 11 | 3,322.85 | 11 | 2,994.97 | 11 | 2,664.20 | 11 | 2,333.41 | 11 | 2,002.57 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,220.45 | 1/4 | 3,933.04 | 1/4 | 3,631.58 | 1/4 | 3,316.13 | 1/4 | 2,988.08 | 1/4 | 2,657.31 | 1/4 | 2,326.52 | 1/4 | 1,995.68 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,214.57 | 1/2 | 3,926.92 | 1/2 | 3,625.15 | 1/2 | 3,309.42 | 1/2 | 2,981.18 | 1/2 | 2,650.42 | 1/2 | 2,319.62 | 1/2 | 1,988.79 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,208.69 | 3/4 | 3,920.79 | 3/4 | 3,618.71 | 3/4 | 3,302.70 | 3/4 | 2,974.29 | 3/4 | 2,643.53 | 3/4 | 2,312.73 | 3/4 | 1,981.90 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 37'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "KIRBY 28143"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 1,975.00 | 0 | 1,644.17 | 0 | 1,313.33 | 0 | 982.83 | 0 | 667.16 | 0 | 374.52 | 0 | 105.44 | 0 | | 0 | | 0 | |
| 1/4 | 1,968.11 | 1/4 | 1,637.28 | 1/4 | 1,306.44 | 1/4 | 976.02 | 1/4 | 660.83 | 1/4 | 368.69 | 1/4 | 100.10 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,961.22 | 1/2 | 1,630.38 | 1/2 | 1,299.55 | 1/2 | 969.21 | 1/2 | 654.51 | 1/2 | 362.86 | 1/2 | 94.76 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,954.33 | 3/4 | 1,623.49 | 3/4 | 1,292.66 | 3/4 | 962.40 | 3/4 | 648.19 | 3/4 | 357.03 | 3/4 | 89.42 | 3/4 | | 3/4 | | 3/4 | |
| 1 | 1,947.43 | 1 | 1,616.60 | 1 | 1,285.76 | 1 | 955.59 | 1 | 641.87 | 1 | 351.19 | 1 | 84.08 | 1 | | 1 | | 1 | |
| 1/4 | 1,940.54 | 1/4 | 1,609.71 | 1/4 | 1,278.87 | 1/4 | 948.83 | 1/4 | 635.59 | 1/4 | 345.40 | 1/4 | 78.78 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,933.65 | 1/2 | 1,602.81 | 1/2 | 1,271.98 | 1/2 | 942.08 | 1/2 | 629.31 | 1/2 | 339.62 | 1/2 | 73.49 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,926.76 | 3/4 | 1,595.92 | 3/4 | 1,265.09 | 3/4 | 935.32 | 3/4 | 623.03 | 3/4 | 333.83 | 3/4 | 68.19 | 3/4 | | 3/4 | | 3/4 | |
| 2 | 1,919.86 | 2 | 1,589.03 | 2 | 1,258.19 | 2 | 928.57 | 2 | 616.75 | 2 | 328.04 | 2 | 62.90 | 2 | | 2 | | 2 | |
| 1/4 | 1,912.97 | 1/4 | 1,582.14 | 1/4 | 1,251.30 | 1/4 | 921.85 | 1/4 | 610.51 | 1/4 | 322.29 | 1/4 | 57.64 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,906.08 | 1/2 | 1,575.24 | 1/2 | 1,244.41 | 1/2 | 915.14 | 1/2 | 604.27 | 1/2 | 316.54 | 1/2 | 52.38 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,899.19 | 3/4 | 1,568.35 | 3/4 | 1,237.52 | 3/4 | 908.42 | 3/4 | 598.03 | 3/4 | 310.79 | 3/4 | 47.13 | 3/4 | | 3/4 | | 3/4 | |
| 3 | 1,892.29 | 3 | 1,561.46 | 3 | 1,230.62 | 3 | 901.71 | 3 | 591.79 | 3 | 305.04 | 3 | 41.87 | 3 | | 3 | | 3 | |
| 1/4 | 1,885.40 | 1/4 | 1,554.57 | 1/4 | 1,223.73 | 1/4 | 895.04 | 1/4 | 585.59 | 1/4 | 299.33 | 1/4 | 37.52 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,878.51 | 1/2 | 1,547.67 | 1/2 | 1,216.84 | 1/2 | 888.36 | 1/2 | 579.39 | 1/2 | 293.62 | 1/2 | 33.17 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,871.62 | 3/4 | 1,540.78 | 3/4 | 1,209.95 | 3/4 | 881.69 | 3/4 | 573.19 | 3/4 | 287.92 | 3/4 | 28.82 | 3/4 | | 3/4 | | 3/4 | |
| 4 | 1,864.72 | 4 | 1,533.89 | 4 | 1,203.05 | 4 | 875.02 | 4 | 566.99 | 4 | 282.21 | 4 | 24.47 | 4 | | 4 | | 4 | |
| 1/4 | 1,857.83 | 1/4 | 1,527.00 | 1/4 | 1,196.16 | 1/4 | 868.38 | 1/4 | 560.83 | 1/4 | 276.54 | 1/4 | 21.88 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,850.94 | 1/2 | 1,520.10 | 1/2 | 1,189.27 | 1/2 | 861.75 | 1/2 | 554.68 | 1/2 | 270.87 | 1/2 | 19.29 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,844.05 | 3/4 | 1,513.21 | 3/4 | 1,182.38 | 3/4 | 855.12 | 3/4 | 548.52 | 3/4 | 265.20 | 3/4 | 16.70 | 3/4 | | 3/4 | | 3/4 | |
| 5 | 1,837.16 | 5 | 1,506.32 | 5 | 1,175.48 | 5 | 848.48 | 5 | 542.36 | 5 | 259.53 | 5 | 14.11 | 5 | | 5 | | 5 | |
| 1/4 | 1,830.26 | 1/4 | 1,499.43 | 1/4 | 1,168.59 | 1/4 | 841.89 | 1/4 | 536.24 | 1/4 | 253.91 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,823.37 | 1/2 | 1,492.54 | 1/2 | 1,161.70 | 1/2 | 835.30 | 1/2 | 530.13 | 1/2 | 248.29 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,816.48 | 3/4 | 1,485.64 | 3/4 | 1,154.81 | 3/4 | 828.71 | 3/4 | 524.01 | 3/4 | 242.66 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 1,809.59 | 6 | 1,478.75 | 6 | 1,147.92 | 6 | 822.12 | 6 | 517.89 | 6 | 237.04 | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 1,802.69 | 1/4 | 1,471.86 | 1/4 | 1,141.02 | 1/4 | 815.57 | 1/4 | 511.82 | 1/4 | 231.45 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,795.80 | 1/2 | 1,464.97 | 1/2 | 1,134.13 | 1/2 | 809.01 | 1/2 | 505.74 | 1/2 | 225.86 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,788.91 | 3/4 | 1,458.07 | 3/4 | 1,127.24 | 3/4 | 802.46 | 3/4 | 499.66 | 3/4 | 220.27 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 1,782.02 | 7 | 1,451.18 | 7 | 1,120.35 | 7 | 795.91 | 7 | 493.59 | 7 | 214.69 | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 1,775.12 | 1/4 | 1,444.29 | 1/4 | 1,113.45 | 1/4 | 789.40 | 1/4 | 487.55 | 1/4 | 209.14 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,768.23 | 1/2 | 1,437.40 | 1/2 | 1,106.56 | 1/2 | 782.89 | 1/2 | 481.52 | 1/2 | 203.60 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,761.34 | 3/4 | 1,430.50 | 3/4 | 1,099.67 | 3/4 | 776.38 | 3/4 | 475.48 | 3/4 | 198.06 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 1,754.45 | 8 | 1,423.61 | 8 | 1,092.78 | 8 | 769.87 | 8 | 469.45 | 8 | 192.52 | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 1,747.55 | 1/4 | 1,416.72 | 1/4 | 1,085.88 | 1/4 | 763.40 | 1/4 | 463.45 | 1/4 | 187.01 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,740.66 | 1/2 | 1,409.83 | 1/2 | 1,078.99 | 1/2 | 756.93 | 1/2 | 457.46 | 1/2 | 181.50 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,733.77 | 3/4 | 1,402.93 | 3/4 | 1,072.10 | 3/4 | 750.46 | 3/4 | 451.46 | 3/4 | 176.00 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 1,726.88 | 9 | 1,396.04 | 9 | 1,065.21 | 9 | 743.99 | 9 | 445.47 | 9 | 170.49 | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 1,719.98 | 1/4 | 1,389.15 | 1/4 | 1,058.33 | 1/4 | 737.55 | 1/4 | 439.51 | 1/4 | 165.03 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,713.09 | 1/2 | 1,382.26 | 1/2 | 1,051.44 | 1/2 | 731.11 | 1/2 | 433.56 | 1/2 | 159.57 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,706.20 | 3/4 | 1,375.36 | 3/4 | 1,044.56 | 3/4 | 724.66 | 3/4 | 427.61 | 3/4 | 154.11 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 1,699.31 | 10 | 1,368.47 | 10 | 1,037.68 | 10 | 718.22 | 10 | 421.66 | 10 | 148.65 | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 1,692.41 | 1/4 | 1,361.58 | 1/4 | 1,030.81 | 1/4 | 711.81 | 1/4 | 415.74 | 1/4 | 143.22 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,685.52 | 1/2 | 1,354.69 | 1/2 | 1,023.94 | 1/2 | 705.41 | 1/2 | 409.83 | 1/2 | 137.80 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,678.63 | 3/4 | 1,347.79 | 3/4 | 1,017.08 | 3/4 | 699.01 | 3/4 | 403.92 | 3/4 | 132.37 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 1,671.74 | 11 | 1,340.90 | 11 | 1,010.21 | 11 | 692.60 | 11 | 398.00 | 11 | 126.95 | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 1,664.85 | 1/4 | 1,334.01 | 1/4 | 1,003.36 | 1/4 | 686.24 | 1/4 | 392.13 | 1/4 | 121.57 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,657.95 | 1/2 | 1,327.12 | 1/2 | 996.52 | 1/2 | 679.88 | 1/2 | 386.26 | 1/2 | 116.19 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,651.06 | 3/4 | 1,320.23 | 3/4 | 989.68 | 3/4 | 673.52 | 3/4 | 380.39 | 3/4 | 110.81 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2012 CL - SW
CALCULATED: 02/07/2012 CL
PRINTED: 2/07/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2012

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



BARGE "KIRBY 28143"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | |
|-------|-----|-------|-----|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 0 | | 0 | | 0 | | 0 | 4,199.53 | 0 | 3,910.85 | 0 | 3,607.82 | 0 | 3,290.91 | 0 | 2,961.83 | 0 | 2,630.72 | 0 | 2,299.58 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,193.63 | 1/4 | 3,904.70 | 1/4 | 3,601.35 | 1/4 | 3,284.16 | 1/4 | 2,954.93 | 1/4 | 2,623.82 | 1/4 | 2,292.68 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,187.72 | 1/2 | 3,898.55 | 1/2 | 3,594.88 | 1/2 | 3,277.41 | 1/2 | 2,948.04 | 1/2 | 2,616.92 | 1/2 | 2,285.78 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,181.82 | 3/4 | 3,892.40 | 3/4 | 3,588.41 | 3/4 | 3,270.66 | 3/4 | 2,941.14 | 3/4 | 2,610.02 | 3/4 | 2,278.88 |
| 1 | | 1 | | 1 | | 1 | 4,175.89 | 1 | 3,886.22 | 1 | 3,581.92 | 1 | 3,263.89 | 1 | 2,934.24 | 1 | 2,603.13 | 1 | 2,271.98 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,169.96 | 1/4 | 3,880.04 | 1/4 | 3,575.43 | 1/4 | 3,257.11 | 1/4 | 2,927.34 | 1/4 | 2,596.23 | 1/4 | 2,265.08 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,164.03 | 1/2 | 3,873.87 | 1/2 | 3,568.94 | 1/2 | 3,250.33 | 1/2 | 2,920.44 | 1/2 | 2,589.33 | 1/2 | 2,258.18 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,158.11 | 3/4 | 3,867.69 | 3/4 | 3,562.45 | 3/4 | 3,243.55 | 3/4 | 2,913.54 | 3/4 | 2,582.43 | 3/4 | 2,251.28 |
| 2 | | 2 | | 2 | | 2 | 4,152.15 | 2 | 3,861.49 | 2 | 3,555.94 | 2 | 3,236.76 | 2 | 2,906.65 | 2 | 2,575.53 | 2 | 2,244.38 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,146.20 | 1/4 | 3,855.29 | 1/4 | 3,549.43 | 1/4 | 3,229.96 | 1/4 | 2,899.75 | 1/4 | 2,568.63 | 1/4 | 2,237.48 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,140.24 | 1/2 | 3,849.09 | 1/2 | 3,542.91 | 1/2 | 3,223.16 | 1/2 | 2,892.85 | 1/2 | 2,561.74 | 1/2 | 2,230.58 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,134.29 | 3/4 | 3,842.90 | 3/4 | 3,536.40 | 3/4 | 3,216.37 | 3/4 | 2,885.95 | 3/4 | 2,554.84 | 3/4 | 2,223.68 |
| 3 | | 3 | | 3 | | 3 | 4,128.35 | 3 | 3,836.64 | 3 | 3,529.86 | 3 | 3,209.55 | 3 | 2,879.05 | 3 | 2,547.94 | 3 | 2,216.78 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,122.40 | 1/4 | 3,830.39 | 1/4 | 3,523.33 | 1/4 | 3,202.73 | 1/4 | 2,872.16 | 1/4 | 2,541.04 | 1/4 | 2,209.88 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,116.46 | 1/2 | 3,824.13 | 1/2 | 3,516.79 | 1/2 | 3,195.91 | 1/2 | 2,865.26 | 1/2 | 2,534.14 | 1/2 | 2,202.98 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,110.52 | 3/4 | 3,817.88 | 3/4 | 3,510.25 | 3/4 | 3,189.10 | 3/4 | 2,858.36 | 3/4 | 2,527.25 | 3/4 | 2,196.08 |
| 4 | | 4 | | 4 | | 4 | 4,104.56 | 4 | 3,811.60 | 4 | 3,503.69 | 4 | 3,182.25 | 4 | 2,851.46 | 4 | 2,520.35 | 4 | 2,189.18 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,098.59 | 1/4 | 3,805.32 | 1/4 | 3,497.13 | 1/4 | 3,175.40 | 1/4 | 2,844.56 | 1/4 | 2,513.45 | 1/4 | 2,182.28 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,092.63 | 1/2 | 3,799.04 | 1/2 | 3,490.57 | 1/2 | 3,168.56 | 1/2 | 2,837.66 | 1/2 | 2,506.55 | 1/2 | 2,175.38 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,086.67 | 3/4 | 3,792.76 | 3/4 | 3,484.01 | 3/4 | 3,161.71 | 3/4 | 2,830.77 | 3/4 | 2,499.65 | 3/4 | 2,168.48 |
| 5 | | 5 | | 5 | | 5 | 4,080.68 | 5 | 3,786.46 | 5 | 3,477.42 | 5 | 3,154.84 | 5 | 2,823.87 | 5 | 2,492.75 | 5 | 2,161.58 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,074.69 | 1/4 | 3,780.15 | 1/4 | 3,470.83 | 1/4 | 3,147.98 | 1/4 | 2,816.97 | 1/4 | 2,485.86 | 1/4 | 2,154.68 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,068.70 | 1/2 | 3,773.85 | 1/2 | 3,464.24 | 1/2 | 3,141.11 | 1/2 | 2,810.07 | 1/2 | 2,478.96 | 1/2 | 2,147.78 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,062.71 | 3/4 | 3,767.55 | 3/4 | 3,457.65 | 3/4 | 3,134.25 | 3/4 | 2,803.17 | 3/4 | 2,472.06 | 3/4 | 2,140.88 |
| 6 | | 6 | | 6 | | 6 | 4,056.70 | 6 | 3,761.22 | 6 | 3,451.05 | 6 | 3,127.36 | 6 | 2,796.28 | 6 | 2,465.16 | 6 | 2,133.99 |
| 1/4 | | 1/4 | | 1/4 | 4,349.73 | 1/4 | 4,050.68 | 1/4 | 3,754.89 | 1/4 | 3,444.44 | 1/4 | 3,120.47 | 1/4 | 2,789.38 | 1/4 | 2,458.26 | 1/4 | 2,127.09 |
| 1/2 | | 1/2 | | 1/2 | 4,344.55 | 1/2 | 4,044.67 | 1/2 | 3,748.56 | 1/2 | 3,437.83 | 1/2 | 3,113.58 | 1/2 | 2,782.48 | 1/2 | 2,451.37 | 1/2 | 2,120.19 |
| 3/4 | | 3/4 | | 3/4 | 4,339.38 | 3/4 | 4,038.66 | 3/4 | 3,742.22 | 3/4 | 3,431.22 | 3/4 | 3,106.69 | 3/4 | 2,775.58 | 3/4 | 2,444.47 | 3/4 | 2,113.29 |
| 7 | | 7 | | 7 | 4,332.48 | 7 | 4,032.62 | 7 | 3,735.87 | 7 | 3,424.59 | 7 | 3,099.80 | 7 | 2,768.68 | 7 | 2,437.57 | 7 | 2,106.39 |
| 1/4 | | 1/4 | | 1/4 | 4,325.58 | 1/4 | 4,026.58 | 1/4 | 3,729.52 | 1/4 | 3,417.96 | 1/4 | 3,092.90 | 1/4 | 2,761.78 | 1/4 | 2,430.67 | 1/4 | 2,099.49 |
| 1/2 | | 1/2 | | 1/2 | 4,318.68 | 1/2 | 4,020.54 | 1/2 | 3,723.17 | 1/2 | 3,411.33 | 1/2 | 3,086.00 | 1/2 | 2,754.89 | 1/2 | 2,423.77 | 1/2 | 2,092.59 |
| 3/4 | | 3/4 | | 3/4 | 4,311.78 | 3/4 | 4,014.50 | 3/4 | 3,716.82 | 3/4 | 3,404.70 | 3/4 | 3,079.10 | 3/4 | 2,747.99 | 3/4 | 2,416.87 | 3/4 | 2,085.69 |
| 8 | | 8 | | 8 | 4,304.88 | 8 | 4,008.44 | 8 | 3,710.45 | 8 | 3,398.04 | 8 | 3,072.20 | 8 | 2,741.09 | 8 | 2,409.97 | 8 | 2,078.79 |
| 1/4 | | 1/4 | | 1/4 | 4,297.98 | 1/4 | 4,002.38 | 1/4 | 3,704.08 | 1/4 | 3,391.39 | 1/4 | 3,065.31 | 1/4 | 2,734.19 | 1/4 | 2,403.07 | 1/4 | 2,071.89 |
| 1/2 | | 1/2 | | 1/2 | 4,291.08 | 1/2 | 3,996.33 | 1/2 | 3,697.71 | 1/2 | 3,384.73 | 1/2 | 3,058.41 | 1/2 | 2,727.29 | 1/2 | 2,396.17 | 1/2 | 2,064.99 |
| 3/4 | | 3/4 | | 3/4 | 4,284.18 | 3/4 | 3,990.27 | 3/4 | 3,691.33 | 3/4 | 3,378.07 | 3/4 | 3,051.51 | 3/4 | 2,720.40 | 3/4 | 2,389.27 | 3/4 | 2,058.09 |
| 9 | | 9 | | 9 | 4,277.28 | 9 | 3,984.19 | 9 | 3,684.93 | 9 | 3,371.39 | 9 | 3,044.61 | 9 | 2,713.50 | 9 | 2,382.37 | 9 | 2,051.19 |
| 1/4 | | 1/4 | | 1/4 | 4,270.38 | 1/4 | 3,978.11 | 1/4 | 3,678.53 | 1/4 | 3,364.72 | 1/4 | 3,037.71 | 1/4 | 2,706.60 | 1/4 | 2,375.47 | 1/4 | 2,044.29 |
| 1/2 | | 1/2 | | 1/2 | 4,263.48 | 1/2 | 3,972.03 | 1/2 | 3,672.13 | 1/2 | 3,358.04 | 1/2 | 3,030.81 | 1/2 | 2,699.70 | 1/2 | 2,368.57 | 1/2 | 2,037.39 |
| 3/4 | | 3/4 | | 3/4 | 4,256.58 | 3/4 | 3,965.95 | 3/4 | 3,665.73 | 3/4 | 3,351.36 | 3/4 | 3,023.92 | 3/4 | 2,692.80 | 3/4 | 2,361.67 | 3/4 | 2,030.49 |
| 10 | | 10 | | 10 | 4,249.68 | 10 | 3,959.84 | 10 | 3,659.31 | 10 | 3,344.66 | 10 | 3,017.02 | 10 | 2,685.90 | 10 | 2,354.77 | 10 | 2,023.59 |
| 1/4 | | 1/4 | | 1/4 | 4,242.78 | 1/4 | 3,953.73 | 1/4 | 3,652.89 | 1/4 | 3,337.96 | 1/4 | 3,010.12 | 1/4 | 2,679.01 | 1/4 | 2,347.87 | 1/4 | 2,016.69 |
| 1/2 | | 1/2 | | 1/2 | 4,235.88 | 1/2 | 3,947.62 | 1/2 | 3,646.47 | 1/2 | 3,331.26 | 1/2 | 3,003.22 | 1/2 | 2,672.11 | 1/2 | 2,340.97 | 1/2 | 2,009.79 |
| 3/4 | | 3/4 | | 3/4 | 4,228.98 | 3/4 | 3,941.51 | 3/4 | 3,640.05 | 3/4 | 3,324.56 | 3/4 | 2,996.32 | 3/4 | 2,665.21 | 3/4 | 2,334.07 | 3/4 | 2,002.89 |
| 11 | | 11 | | 11 | 4,223.10 | 11 | 3,935.38 | 11 | 3,633.61 | 11 | 3,317.83 | 11 | 2,989.42 | 11 | 2,658.31 | 11 | 2,327.17 | 11 | 1,995.99 |
| 1/4 | | 1/4 | | 1/4 | 4,217.21 | 1/4 | 3,929.26 | 1/4 | 3,627.17 | 1/4 | 3,311.11 | 1/4 | 2,982.53 | 1/4 | 2,651.41 | 1/4 | 2,320.27 | 1/4 | 1,989.09 |
| 1/2 | | 1/2 | | 1/2 | 4,211.33 | 1/2 | 3,923.13 | 1/2 | 3,620.73 | 1/2 | 3,304.38 | 1/2 | 2,975.63 | 1/2 | 2,644.51 | 1/2 | 2,313.37 | 1/2 | 1,982.19 |
| 3/4 | | 3/4 | | 3/4 | 4,205.44 | 3/4 | 3,917.00 | 3/4 | 3,614.29 | 3/4 | 3,297.65 | 3/4 | 2,968.73 | 3/4 | 2,637.62 | 3/4 | 2,306.48 | 3/4 | 1,975.29 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 37'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28143"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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 | 1,968.39 | 0 | 1,637.21 | 0 | 1,306.03 | 0 | 975.42 | 0 | 661.51 | 0 | 369.07 | 0 | 100.20 | 0 | | 0 | | 0 | |
| 1/4 | 1,961.50 | 1/4 | 1,630.31 | 1/4 | 1,299.13 | 1/4 | 968.64 | 1/4 | 655.18 | 1/4 | 363.23 | 1/4 | 94.85 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,954.60 | 1/2 | 1,623.41 | 1/2 | 1,292.23 | 1/2 | 961.86 | 1/2 | 648.86 | 1/2 | 357.39 | 1/2 | 89.51 | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,947.70 | 3/4 | 1,616.52 | 3/4 | 1,285.33 | 3/4 | 955.08 | 3/4 | 642.53 | 3/4 | 351.55 | 3/4 | 84.16 | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 1 | 1,940.80 | 1 | 1,609.62 | 1 | 1,278.43 | 1 | 948.35 | 1 | 636.24 | 1 | 345.76 | 1 | 78.86 | 1 | 1 | 1 | | 1 | |
| 1/4 | 1,933.90 | 1/4 | 1,602.72 | 1/4 | 1,271.54 | 1/4 | 941.63 | 1/4 | 629.95 | 1/4 | 339.96 | 1/4 | 73.56 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,927.00 | 1/2 | 1,595.82 | 1/2 | 1,264.64 | 1/2 | 934.91 | 1/2 | 623.67 | 1/2 | 334.17 | 1/2 | 68.26 | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,920.10 | 3/4 | 1,588.92 | 3/4 | 1,257.74 | 3/4 | 928.18 | 3/4 | 617.38 | 3/4 | 328.38 | 3/4 | 62.96 | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 2 | 1,913.20 | 2 | 1,582.02 | 2 | 1,250.84 | 2 | 921.50 | 2 | 611.13 | 2 | 322.62 | 2 | 57.70 | 2 | 2 | 2 | | 2 | |
| 1/4 | 1,906.30 | 1/4 | 1,575.12 | 1/4 | 1,243.94 | 1/4 | 914.82 | 1/4 | 604.89 | 1/4 | 316.86 | 1/4 | 52.44 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,899.40 | 1/2 | 1,568.22 | 1/2 | 1,237.04 | 1/2 | 908.13 | 1/2 | 598.64 | 1/2 | 311.11 | 1/2 | 47.17 | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,892.50 | 3/4 | 1,561.32 | 3/4 | 1,230.14 | 3/4 | 901.45 | 3/4 | 592.39 | 3/4 | 305.35 | 3/4 | 41.91 | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 3 | 1,885.60 | 3 | 1,554.42 | 3 | 1,223.24 | 3 | 894.81 | 3 | 586.19 | 3 | 299.64 | 3 | 37.56 | 3 | 3 | 3 | | 3 | |
| 1/4 | 1,878.70 | 1/4 | 1,547.52 | 1/4 | 1,216.34 | 1/4 | 888.17 | 1/4 | 579.99 | 1/4 | 293.93 | 1/4 | 33.20 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,871.80 | 1/2 | 1,540.62 | 1/2 | 1,209.44 | 1/2 | 881.53 | 1/2 | 573.78 | 1/2 | 288.21 | 1/2 | 28.84 | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,864.90 | 3/4 | 1,533.72 | 3/4 | 1,202.54 | 3/4 | 874.88 | 3/4 | 567.58 | 3/4 | 282.50 | 3/4 | 24.49 | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 4 | 1,858.00 | 4 | 1,526.82 | 4 | 1,195.64 | 4 | 868.28 | 4 | 561.41 | 4 | 276.83 | 4 | 21.90 | 4 | 4 | 4 | | 4 | |
| 1/4 | 1,851.10 | 1/4 | 1,519.92 | 1/4 | 1,188.74 | 1/4 | 861.68 | 1/4 | 555.25 | 1/4 | 271.15 | 1/4 | 19.31 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,844.20 | 1/2 | 1,513.02 | 1/2 | 1,181.84 | 1/2 | 855.08 | 1/2 | 549.08 | 1/2 | 265.48 | 1/2 | 16.71 | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,837.30 | 3/4 | 1,506.12 | 3/4 | 1,174.94 | 3/4 | 848.48 | 3/4 | 542.92 | 3/4 | 259.80 | 3/4 | 14.12 | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 5 | 1,830.40 | 5 | 1,499.22 | 5 | 1,168.04 | 5 | 841.92 | 5 | 536.79 | 5 | 254.17 | 5 | | 5 | 5 | 5 | | 5 | |
| 1/4 | 1,823.50 | 1/4 | 1,492.32 | 1/4 | 1,161.14 | 1/4 | 835.36 | 1/4 | 530.67 | 1/4 | 248.54 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,816.60 | 1/2 | 1,485.42 | 1/2 | 1,154.24 | 1/2 | 828.80 | 1/2 | 524.55 | 1/2 | 242.91 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,809.70 | 3/4 | 1,478.52 | 3/4 | 1,147.34 | 3/4 | 822.24 | 3/4 | 518.43 | 3/4 | 237.28 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 6 | 1,802.80 | 6 | 1,471.62 | 6 | 1,140.44 | 6 | 815.72 | 6 | 512.34 | 6 | 231.69 | 6 | | 6 | 6 | 6 | | 6 | |
| 1/4 | 1,795.90 | 1/4 | 1,464.72 | 1/4 | 1,133.54 | 1/4 | 809.20 | 1/4 | 506.26 | 1/4 | 226.09 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,789.01 | 1/2 | 1,457.82 | 1/2 | 1,126.64 | 1/2 | 802.68 | 1/2 | 500.18 | 1/2 | 220.50 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,782.11 | 3/4 | 1,450.92 | 3/4 | 1,119.74 | 3/4 | 796.16 | 3/4 | 494.09 | 3/4 | 214.91 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 7 | 1,775.21 | 7 | 1,444.03 | 7 | 1,112.84 | 7 | 789.68 | 7 | 488.05 | 7 | 209.36 | 7 | | 7 | 7 | 7 | | 7 | |
| 1/4 | 1,768.31 | 1/4 | 1,437.13 | 1/4 | 1,105.94 | 1/4 | 783.20 | 1/4 | 482.01 | 1/4 | 203.81 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,761.41 | 1/2 | 1,430.23 | 1/2 | 1,099.05 | 1/2 | 776.73 | 1/2 | 475.97 | 1/2 | 198.26 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,754.51 | 3/4 | 1,423.33 | 3/4 | 1,092.15 | 3/4 | 770.25 | 3/4 | 469.93 | 3/4 | 192.71 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 8 | 1,747.61 | 8 | 1,416.43 | 8 | 1,085.25 | 8 | 763.81 | 8 | 463.93 | 8 | 187.20 | 8 | | 8 | 8 | 8 | | 8 | |
| 1/4 | 1,740.71 | 1/4 | 1,409.53 | 1/4 | 1,078.35 | 1/4 | 757.37 | 1/4 | 457.93 | 1/4 | 181.69 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,733.81 | 1/2 | 1,402.63 | 1/2 | 1,071.45 | 1/2 | 750.93 | 1/2 | 451.93 | 1/2 | 176.18 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,726.91 | 3/4 | 1,395.73 | 3/4 | 1,064.55 | 3/4 | 744.50 | 3/4 | 445.93 | 3/4 | 170.67 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 9 | 1,720.01 | 9 | 1,388.83 | 9 | 1,057.66 | 9 | 738.08 | 9 | 439.97 | 9 | 165.20 | 9 | | 9 | 9 | 9 | | 9 | |
| 1/4 | 1,713.11 | 1/4 | 1,381.93 | 1/4 | 1,050.77 | 1/4 | 731.67 | 1/4 | 434.01 | 1/4 | 159.73 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,706.21 | 1/2 | 1,375.03 | 1/2 | 1,043.88 | 1/2 | 725.25 | 1/2 | 428.05 | 1/2 | 154.27 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,699.31 | 3/4 | 1,368.13 | 3/4 | 1,036.99 | 3/4 | 718.84 | 3/4 | 422.09 | 3/4 | 148.80 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 10 | 1,692.41 | 10 | 1,361.23 | 10 | 1,030.12 | 10 | 712.46 | 10 | 416.17 | 10 | 143.37 | 10 | | 10 | 10 | 10 | | 10 | |
| 1/4 | 1,685.51 | 1/4 | 1,354.33 | 1/4 | 1,023.24 | 1/4 | 706.08 | 1/4 | 410.25 | 1/4 | 137.94 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,678.61 | 1/2 | 1,347.43 | 1/2 | 1,016.37 | 1/2 | 699.70 | 1/2 | 404.33 | 1/2 | 132.51 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,671.71 | 3/4 | 1,340.53 | 3/4 | 1,009.49 | 3/4 | 693.32 | 3/4 | 398.41 | 3/4 | 127.08 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 11 | 1,664.81 | 11 | 1,333.63 | 11 | 1,002.67 | 11 | 686.95 | 11 | 392.54 | 11 | 121.69 | 11 | | 11 | 11 | 11 | | 11 | |
| 1/4 | 1,657.91 | 1/4 | 1,326.73 | 1/4 | 995.85 | 1/4 | 680.58 | 1/4 | 386.66 | 1/4 | 116.31 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,651.01 | 1/2 | 1,319.83 | 1/2 | 989.03 | 1/2 | 674.21 | 1/2 | 380.78 | 1/2 | 110.93 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,644.11 | 3/4 | 1,312.93 | 3/4 | 982.21 | 3/4 | 667.84 | 3/4 | 374.91 | 3/4 | 105.54 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2012 CL - SW
CALCULATED: 02/07/2012 CL
PRINTED: 2/07/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2012

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



BARGE "KIRBY 28143"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | | | |
|-------|-----|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|----|---|
| IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 |
| | | | | | | | 5,097.20 | | 4,759.84 | | 4,404.86 | | 4,033.27 | | 3,647.41 | | 3,259.16 | | 2,870.85 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,090.28 | 1/4 | 4,752.66 | 1/4 | 4,397.27 | 1/4 | 4,025.35 | 1/4 | 3,639.32 | 1/4 | 3,251.07 | 1/4 | 2,862.76 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,083.35 | 1/2 | 4,745.48 | 1/2 | 4,389.69 | 1/2 | 4,017.44 | 1/2 | 3,631.23 | 1/2 | 3,242.98 | 1/2 | 2,854.67 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,076.42 | 3/4 | 4,738.29 | 3/4 | 4,382.10 | 3/4 | 4,009.53 | 3/4 | 3,623.14 | 3/4 | 3,234.89 | 3/4 | 2,846.57 | | |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5,069.47 | 1 | 4,731.08 | 1 | 4,374.49 | 1 | 4,001.58 | 1 | 3,615.05 | 1 | 3,226.80 | 1 | 2,838.48 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,062.52 | 1/4 | 4,723.87 | 1/4 | 4,366.88 | 1/4 | 3,993.63 | 1/4 | 3,606.96 | 1/4 | 3,218.71 | 1/4 | 2,830.39 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,055.57 | 1/2 | 4,716.66 | 1/2 | 4,359.27 | 1/2 | 3,985.69 | 1/2 | 3,598.88 | 1/2 | 3,210.62 | 1/2 | 2,822.30 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,048.62 | 3/4 | 4,709.45 | 3/4 | 4,351.66 | 3/4 | 3,977.74 | 3/4 | 3,590.79 | 3/4 | 3,202.53 | 3/4 | 2,814.21 | | |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 5,041.64 | 2 | 4,702.21 | 2 | 4,344.03 | 2 | 3,969.77 | 2 | 3,582.70 | 2 | 3,194.45 | 2 | 2,806.12 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,034.65 | 1/4 | 4,694.98 | 1/4 | 4,336.39 | 1/4 | 3,961.80 | 1/4 | 3,574.61 | 1/4 | 3,186.36 | 1/4 | 2,798.03 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,027.67 | 1/2 | 4,687.74 | 1/2 | 4,328.76 | 1/2 | 3,953.83 | 1/2 | 3,566.52 | 1/2 | 3,178.27 | 1/2 | 2,789.94 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,020.69 | 3/4 | 4,680.50 | 3/4 | 4,321.12 | 3/4 | 3,945.87 | 3/4 | 3,558.43 | 3/4 | 3,170.18 | 3/4 | 2,781.84 | | |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 5,013.75 | 3 | 4,673.17 | 3 | 4,313.46 | 3 | 3,937.87 | 3 | 3,550.34 | 3 | 3,162.09 | 3 | 2,773.75 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,006.81 | 1/4 | 4,665.84 | 1/4 | 4,305.79 | 1/4 | 3,929.88 | 1/4 | 3,542.26 | 1/4 | 3,154.00 | 1/4 | 2,765.66 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,999.88 | 1/2 | 4,658.50 | 1/2 | 4,298.12 | 1/2 | 3,921.88 | 1/2 | 3,534.17 | 1/2 | 3,145.91 | 1/2 | 2,757.57 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,992.94 | 3/4 | 4,651.17 | 3/4 | 4,290.46 | 3/4 | 3,913.89 | 3/4 | 3,526.08 | 3/4 | 3,137.83 | 3/4 | 2,749.48 | | |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4,985.98 | 4 | 4,643.81 | 4 | 4,282.77 | 4 | 3,905.86 | 4 | 3,517.99 | 4 | 3,129.74 | 4 | 2,741.39 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,979.02 | 1/4 | 4,636.44 | 1/4 | 4,275.07 | 1/4 | 3,897.83 | 1/4 | 3,509.90 | 1/4 | 3,121.65 | 1/4 | 2,733.30 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,972.05 | 1/2 | 4,629.08 | 1/2 | 4,267.38 | 1/2 | 3,889.80 | 1/2 | 3,501.81 | 1/2 | 3,113.56 | 1/2 | 2,725.21 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,965.09 | 3/4 | 4,621.71 | 3/4 | 4,259.69 | 3/4 | 3,881.78 | 3/4 | 3,493.72 | 3/4 | 3,105.47 | 3/4 | 2,717.11 | | |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4,958.10 | 5 | 4,614.32 | 5 | 4,251.96 | 5 | 3,873.73 | 5 | 3,485.64 | 5 | 3,097.38 | 5 | 2,709.02 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,951.10 | 1/4 | 4,606.93 | 1/4 | 4,244.24 | 1/4 | 3,865.67 | 1/4 | 3,477.55 | 1/4 | 3,089.29 | 1/4 | 2,700.93 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,944.11 | 1/2 | 4,599.54 | 1/2 | 4,236.51 | 1/2 | 3,857.62 | 1/2 | 3,469.46 | 1/2 | 3,081.21 | 1/2 | 2,692.84 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,937.12 | 3/4 | 4,592.15 | 3/4 | 4,228.79 | 3/4 | 3,849.57 | 3/4 | 3,461.37 | 3/4 | 3,073.12 | 3/4 | 2,684.75 | | |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4,930.10 | 6 | 4,584.73 | 6 | 4,221.04 | 6 | 3,841.50 | 6 | 3,453.28 | 6 | 3,065.03 | 6 | 2,676.66 | | |
| 1/4 | 1/4 | 1/4 | 5,273.33 | 1/4 | 4,923.08 | 1/4 | 4,577.31 | 1/4 | 4,213.29 | 1/4 | 3,833.42 | 1/4 | 3,445.19 | 1/4 | 3,056.94 | 1/4 | 2,668.57 | | | | |
| 1/2 | 1/2 | 1/2 | 5,267.26 | 1/2 | 4,916.06 | 1/2 | 4,569.88 | 1/2 | 4,205.54 | 1/2 | 3,825.34 | 1/2 | 3,437.10 | 1/2 | 3,048.85 | 1/2 | 2,660.48 | | | | |
| 3/4 | 3/4 | 3/4 | 5,261.20 | 3/4 | 4,909.04 | 3/4 | 4,562.46 | 3/4 | 4,197.79 | 3/4 | 3,817.27 | 3/4 | 3,429.02 | 3/4 | 3,040.76 | 3/4 | 2,652.39 | | | | |
| 7 | 7 | 7 | 5,253.11 | 7 | 4,901.99 | 7 | 4,555.01 | 7 | 4,190.02 | 7 | 3,809.18 | 7 | 3,420.93 | 7 | 3,032.67 | 7 | 2,644.29 | | | | |
| 1/4 | 1/4 | 1/4 | 5,245.01 | 1/4 | 4,894.94 | 1/4 | 4,547.57 | 1/4 | 4,182.25 | 1/4 | 3,801.09 | 1/4 | 3,412.84 | 1/4 | 3,024.58 | 1/4 | 2,636.20 | | | | |
| 1/2 | 1/2 | 1/2 | 5,236.92 | 1/2 | 4,887.89 | 1/2 | 4,540.12 | 1/2 | 4,174.47 | 1/2 | 3,793.00 | 1/2 | 3,404.75 | 1/2 | 3,016.49 | 1/2 | 2,628.11 | | | | |
| 3/4 | 3/4 | 3/4 | 5,228.83 | 3/4 | 4,880.84 | 3/4 | 4,532.67 | 3/4 | 4,166.70 | 3/4 | 3,784.91 | 3/4 | 3,396.66 | 3/4 | 3,008.40 | 3/4 | 2,620.02 | | | | |
| 8 | 8 | 8 | 5,220.74 | 8 | 4,873.77 | 8 | 4,525.20 | 8 | 4,158.89 | 8 | 3,776.83 | 8 | 3,388.57 | 8 | 3,000.31 | 8 | 2,611.93 | | | | |
| 1/4 | 1/4 | 1/4 | 5,212.65 | 1/4 | 4,866.70 | 1/4 | 4,517.73 | 1/4 | 4,151.08 | 1/4 | 3,768.74 | 1/4 | 3,380.48 | 1/4 | 2,992.22 | 1/4 | 2,603.84 | | | | |
| 1/2 | 1/2 | 1/2 | 5,204.56 | 1/2 | 4,859.62 | 1/2 | 4,510.26 | 1/2 | 4,143.28 | 1/2 | 3,760.65 | 1/2 | 3,372.40 | 1/2 | 2,984.12 | 1/2 | 2,595.75 | | | | |
| 3/4 | 3/4 | 3/4 | 5,196.47 | 3/4 | 4,852.55 | 3/4 | 4,502.79 | 3/4 | 4,135.47 | 3/4 | 3,752.56 | 3/4 | 3,364.31 | 3/4 | 2,976.03 | 3/4 | 2,587.66 | | | | |
| 9 | 9 | 9 | 5,188.38 | 9 | 4,845.45 | 9 | 4,495.28 | 9 | 4,127.64 | 9 | 3,744.47 | 9 | 3,356.22 | 9 | 2,967.94 | 9 | 2,579.56 | | | | |
| 1/4 | 1/4 | 1/4 | 5,180.28 | 1/4 | 4,838.35 | 1/4 | 4,487.78 | 1/4 | 4,119.81 | 1/4 | 3,736.38 | 1/4 | 3,348.13 | 1/4 | 2,959.85 | 1/4 | 2,571.47 | | | | |
| 1/2 | 1/2 | 1/2 | 5,172.19 | 1/2 | 4,831.26 | 1/2 | 4,480.27 | 1/2 | 4,111.98 | 1/2 | 3,728.29 | 1/2 | 3,340.04 | 1/2 | 2,951.76 | 1/2 | 2,563.38 | | | | |
| 3/4 | 3/4 | 3/4 | 5,164.10 | 3/4 | 4,824.16 | 3/4 | 4,472.77 | 3/4 | 4,104.15 | 3/4 | 3,720.21 | 3/4 | 3,331.95 | 3/4 | 2,943.67 | 3/4 | 2,555.29 | | | | |
| 10 | 10 | 10 | 5,156.01 | 10 | 4,817.03 | 10 | 4,465.24 | 10 | 4,096.29 | 10 | 3,712.12 | 10 | 3,323.86 | 10 | 2,935.58 | 10 | 2,547.20 | | | | |
| 1/4 | 1/4 | 1/4 | 5,147.92 | 1/4 | 4,809.90 | 1/4 | 4,457.71 | 1/4 | 4,088.44 | 1/4 | 3,704.03 | 1/4 | 3,315.78 | 1/4 | 2,927.49 | 1/4 | 2,539.11 | | | | |
| 1/2 | 1/2 | 1/2 | 5,139.83 | 1/2 | 4,802.76 | 1/2 | 4,450.19 | 1/2 | 4,080.58 | 1/2 | 3,695.94 | 1/2 | 3,307.69 | 1/2 | 2,919.39 | 1/2 | 2,531.02 | | | | |
| 3/4 | 3/4 | 3/4 | 5,131.74 | 3/4 | 4,795.63 | 3/4 | 4,442.66 | 3/4 | 4,072.73 | 3/4 | 3,687.85 | 3/4 | 3,299.60 | 3/4 | 2,911.30 | 3/4 | 2,522.93 | | | | |
| 11 | 11 | 11 | 5,124.84 | 11 | 4,788.48 | 11 | 4,435.11 | 11 | 4,064.84 | 11 | 3,679.76 | 11 | 3,291.51 | 11 | 2,903.21 | 11 | 2,514.83 | | | | |
| 1/4 | 1/4 | 1/4 | 5,117.93 | 1/4 | 4,781.32 | 1/4 | 4,427.55 | 1/4 | 4,056.95 | 1/4 | 3,671.67 | 1/4 | 3,283.42 | 1/4 | 2,895.12 | 1/4 | 2,506.74 | | | | |
| 1/2 | 1/2 | 1/2 | 5,111.03 | 1/2 | 4,774.17 | 1/2 | 4,420.00 | 1/2 | 4,049.07 | 1/2 | 3,663.59 | 1/2 | 3,275.33 | 1/2 | 2,887.03 | 1/2 | 2,498.65 | | | | |
| 3/4 | 3/4 | 3/4 | 5,104.13 | 3/4 | 4,767.02 | 3/4 | 4,412.44 | 3/4 | 4,041.18 | 3/4 | 3,655.50 | 3/4 | 3,267.24 | 3/4 | 2,878.94 | 3/4 | 2,490.56 | | | | |

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-03" 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 28143"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

| 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | | 16 FT. | | 17 FT. | | 18 FT. | | 19 FT. | |
|--------|----------|--------|----------|--------|----------|--------|----------|--------|--------|--------|--------|--------|--------|--------|-----|--------|--|--------|--|
| 0 | 2,482.47 | 0 | 2,094.09 | 0 | 1,705.71 | 0 | 1,317.34 | 0 | 928.96 | 0 | 541.46 | 0 | 153.50 | 0 | | 0 | | 0 | |
| 1/4 | 2,474.38 | 1/4 | 2,086.00 | 1/4 | 1,697.62 | 1/4 | 1,309.25 | 1/4 | 920.87 | 1/4 | 533.38 | 1/4 | 145.42 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 2,466.29 | 1/2 | 2,077.91 | 1/2 | 1,689.53 | 1/2 | 1,301.15 | 1/2 | 912.78 | 1/2 | 525.30 | 1/2 | 137.34 | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 2,458.20 | 3/4 | 2,069.82 | 3/4 | 1,681.44 | 3/4 | 1,293.06 | 3/4 | 904.69 | 3/4 | 517.21 | 3/4 | 129.25 | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 1 | 2,450.11 | 1 | 2,061.73 | 1 | 1,673.35 | 1 | 1,284.97 | 1 | 896.61 | 1 | 509.13 | 1 | 121.17 | 1 | 1 | 1 | | 1 | |
| 1/4 | 2,442.01 | 1/4 | 2,053.64 | 1/4 | 1,665.26 | 1/4 | 1,276.88 | 1/4 | 888.53 | 1/4 | 501.05 | 1/4 | 113.09 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 2,433.92 | 1/2 | 2,045.55 | 1/2 | 1,657.17 | 1/2 | 1,268.79 | 1/2 | 880.45 | 1/2 | 492.97 | 1/2 | 105.01 | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 2,425.83 | 3/4 | 2,037.45 | 3/4 | 1,649.08 | 3/4 | 1,260.70 | 3/4 | 872.37 | 3/4 | 484.88 | 3/4 | 96.92 | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 2 | 2,417.74 | 2 | 2,029.36 | 2 | 1,640.99 | 2 | 1,252.61 | 2 | 864.30 | 2 | 476.80 | 2 | 88.84 | 2 | 2 | 2 | | 2 | |
| 1/4 | 2,409.65 | 1/4 | 2,021.27 | 1/4 | 1,632.89 | 1/4 | 1,244.52 | 1/4 | 856.24 | 1/4 | 468.72 | 1/4 | 80.76 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 2,401.56 | 1/2 | 2,013.18 | 1/2 | 1,624.80 | 1/2 | 1,236.43 | 1/2 | 848.17 | 1/2 | 460.64 | 1/2 | 72.68 | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 2,393.47 | 3/4 | 2,005.09 | 3/4 | 1,616.71 | 3/4 | 1,228.33 | 3/4 | 840.10 | 3/4 | 452.55 | 3/4 | 64.59 | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 3 | 2,385.38 | 3 | 1,997.00 | 3 | 1,608.62 | 3 | 1,220.24 | 3 | 832.04 | 3 | 444.47 | 3 | 57.52 | 3 | 3 | 3 | | 3 | |
| 1/4 | 2,377.28 | 1/4 | 1,988.91 | 1/4 | 1,600.53 | 1/4 | 1,212.15 | 1/4 | 823.97 | 1/4 | 436.39 | 1/4 | 50.45 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 2,369.19 | 1/2 | 1,980.82 | 1/2 | 1,592.44 | 1/2 | 1,204.06 | 1/2 | 815.90 | 1/2 | 428.31 | 1/2 | 43.38 | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 2,361.10 | 3/4 | 1,972.72 | 3/4 | 1,584.35 | 3/4 | 1,195.97 | 3/4 | 807.84 | 3/4 | 420.22 | 3/4 | 36.31 | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 4 | 2,353.01 | 4 | 1,964.63 | 4 | 1,576.26 | 4 | 1,187.88 | 4 | 799.77 | 4 | 412.14 | 4 | 31.26 | 4 | 4 | 4 | | 4 | |
| 1/4 | 2,344.92 | 1/4 | 1,956.54 | 1/4 | 1,568.16 | 1/4 | 1,179.79 | 1/4 | 791.70 | 1/4 | 404.06 | 1/4 | 26.21 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 2,336.83 | 1/2 | 1,948.45 | 1/2 | 1,560.07 | 1/2 | 1,171.70 | 1/2 | 783.64 | 1/2 | 395.98 | 1/2 | 21.16 | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 2,328.74 | 3/4 | 1,940.36 | 3/4 | 1,551.98 | 3/4 | 1,163.60 | 3/4 | 775.57 | 3/4 | 387.89 | 3/4 | 16.11 | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 5 | 2,320.65 | 5 | 1,932.27 | 5 | 1,543.89 | 5 | 1,155.51 | 5 | 767.50 | 5 | 379.81 | 5 | | 5 | 5 | 5 | | 5 | |
| 1/4 | 2,312.55 | 1/4 | 1,924.18 | 1/4 | 1,535.80 | 1/4 | 1,147.42 | 1/4 | 759.44 | 1/4 | 371.73 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 2,304.46 | 1/2 | 1,916.09 | 1/2 | 1,527.71 | 1/2 | 1,139.33 | 1/2 | 751.37 | 1/2 | 363.65 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 2,296.37 | 3/4 | 1,907.99 | 3/4 | 1,519.62 | 3/4 | 1,131.24 | 3/4 | 743.30 | 3/4 | 355.56 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 6 | 2,288.28 | 6 | 1,899.90 | 6 | 1,511.53 | 6 | 1,123.15 | 6 | 735.24 | 6 | 347.48 | 6 | | 6 | 6 | 6 | | 6 | |
| 1/4 | 2,280.19 | 1/4 | 1,891.81 | 1/4 | 1,503.43 | 1/4 | 1,115.06 | 1/4 | 727.17 | 1/4 | 339.40 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 2,272.10 | 1/2 | 1,883.72 | 1/2 | 1,495.34 | 1/2 | 1,106.97 | 1/2 | 719.10 | 1/2 | 331.32 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 2,264.01 | 3/4 | 1,875.63 | 3/4 | 1,487.25 | 3/4 | 1,098.87 | 3/4 | 711.04 | 3/4 | 323.23 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 7 | 2,255.92 | 7 | 1,867.54 | 7 | 1,479.16 | 7 | 1,090.78 | 7 | 702.97 | 7 | 315.15 | 7 | | 7 | 7 | 7 | | 7 | |
| 1/4 | 2,247.83 | 1/4 | 1,859.45 | 1/4 | 1,471.07 | 1/4 | 1,082.69 | 1/4 | 694.90 | 1/4 | 307.07 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 2,239.73 | 1/2 | 1,851.36 | 1/2 | 1,462.98 | 1/2 | 1,074.60 | 1/2 | 686.84 | 1/2 | 298.99 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 2,231.64 | 3/4 | 1,843.27 | 3/4 | 1,454.89 | 3/4 | 1,066.51 | 3/4 | 678.77 | 3/4 | 290.90 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 8 | 2,223.55 | 8 | 1,835.17 | 8 | 1,446.80 | 8 | 1,058.42 | 8 | 670.70 | 8 | 282.82 | 8 | | 8 | 8 | 8 | | 8 | |
| 1/4 | 2,215.46 | 1/4 | 1,827.08 | 1/4 | 1,438.71 | 1/4 | 1,050.33 | 1/4 | 662.64 | 1/4 | 274.74 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 2,207.37 | 1/2 | 1,818.99 | 1/2 | 1,430.61 | 1/2 | 1,042.24 | 1/2 | 654.57 | 1/2 | 266.66 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 2,199.28 | 3/4 | 1,810.90 | 3/4 | 1,422.52 | 3/4 | 1,034.15 | 3/4 | 646.50 | 3/4 | 258.57 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 9 | 2,191.19 | 9 | 1,802.81 | 9 | 1,414.43 | 9 | 1,026.05 | 9 | 638.43 | 9 | 250.49 | 9 | | 9 | 9 | 9 | | 9 | |
| 1/4 | 2,183.10 | 1/4 | 1,794.72 | 1/4 | 1,406.34 | 1/4 | 1,017.96 | 1/4 | 630.35 | 1/4 | 242.41 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 2,175.00 | 1/2 | 1,786.63 | 1/2 | 1,398.25 | 1/2 | 1,009.87 | 1/2 | 622.28 | 1/2 | 234.33 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 2,166.91 | 3/4 | 1,778.54 | 3/4 | 1,390.16 | 3/4 | 1,001.78 | 3/4 | 614.20 | 3/4 | 226.24 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 10 | 2,158.82 | 10 | 1,770.44 | 10 | 1,382.07 | 10 | 993.69 | 10 | 606.12 | 10 | 218.16 | 10 | | 10 | 10 | 10 | | 10 | |
| 1/4 | 2,150.73 | 1/4 | 1,762.35 | 1/4 | 1,373.98 | 1/4 | 985.60 | 1/4 | 598.04 | 1/4 | 210.08 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 2,142.64 | 1/2 | 1,754.26 | 1/2 | 1,365.88 | 1/2 | 977.51 | 1/2 | 589.96 | 1/2 | 202.00 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 2,134.55 | 3/4 | 1,746.17 | 3/4 | 1,357.79 | 3/4 | 969.42 | 3/4 | 581.87 | 3/4 | 193.91 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 11 | 2,126.46 | 11 | 1,738.08 | 11 | 1,349.70 | 11 | 961.32 | 11 | 573.79 | 11 | 185.83 | 11 | | 11 | 11 | 11 | | 11 | |
| 1/4 | 2,118.37 | 1/4 | 1,729.99 | 1/4 | 1,341.61 | 1/4 | 953.23 | 1/4 | 565.71 | 1/4 | 177.75 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 2,110.27 | 1/2 | 1,721.90 | 1/2 | 1,333.52 | 1/2 | 945.14 | 1/2 | 557.63 | 1/2 | 169.67 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 2,102.18 | 3/4 | 1,713.81 | 3/4 | 1,325.43 | 3/4 | 937.05 | 3/4 | 549.54 | 3/4 | 161.58 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2012 CL - SW
CALCULATED: 02/07/2012 CL
PRINTED: 2/07/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2012

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



BARGE "KIRBY 28143"

2 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | | | |
|-------|----|-------|----|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|----|---|
| IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 5,075.66 | 1/4 | 4,738.07 | 1/4 | 4,382.73 | 1/4 | 4,010.86 | 1/4 | 3,624.88 | 1/4 | 3,236.66 | 1/4 | 2,848.40 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 5,068.73 | 1/2 | 4,730.89 | 1/2 | 4,375.15 | 1/2 | 4,002.95 | 1/2 | 3,616.79 | 1/2 | 3,228.58 | 1/2 | 2,840.31 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 5,061.81 | 3/4 | 4,723.71 | 3/4 | 4,367.56 | 3/4 | 3,995.04 | 3/4 | 3,608.70 | 3/4 | 3,220.49 | 3/4 | 2,832.22 | | |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5,054.86 | 1 | 4,716.50 | 1 | 4,359.96 | 1 | 3,987.09 | 1 | 3,600.61 | 1 | 3,212.40 | 1 | 2,824.13 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 5,047.91 | 1/4 | 4,709.29 | 1/4 | 4,352.35 | 1/4 | 3,979.15 | 1/4 | 3,592.53 | 1/4 | 3,204.31 | 1/4 | 2,816.04 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 5,040.96 | 1/2 | 4,702.08 | 1/2 | 4,344.74 | 1/2 | 3,971.20 | 1/2 | 3,584.44 | 1/2 | 3,196.22 | 1/2 | 2,807.95 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 5,034.00 | 3/4 | 4,694.87 | 3/4 | 4,337.13 | 3/4 | 3,963.25 | 3/4 | 3,576.35 | 3/4 | 3,188.14 | 3/4 | 2,799.86 | | |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 5,027.02 | 2 | 4,687.63 | 2 | 4,329.49 | 2 | 3,955.29 | 2 | 3,568.26 | 2 | 3,180.05 | 2 | 2,791.77 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 5,020.04 | 1/4 | 4,680.40 | 1/4 | 4,321.86 | 1/4 | 3,947.32 | 1/4 | 3,560.17 | 1/4 | 3,171.96 | 1/4 | 2,783.68 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 5,013.06 | 1/2 | 4,673.16 | 1/2 | 4,314.22 | 1/2 | 3,939.35 | 1/2 | 3,552.09 | 1/2 | 3,163.87 | 1/2 | 2,775.59 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 5,006.08 | 3/4 | 4,665.93 | 3/4 | 4,306.59 | 3/4 | 3,931.38 | 3/4 | 3,544.00 | 3/4 | 3,155.78 | 3/4 | 2,767.50 | | |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4,999.14 | 3 | 4,658.59 | 3 | 4,298.93 | 3 | 3,923.39 | 3 | 3,535.91 | 3 | 3,147.70 | 3 | 2,759.41 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,992.20 | 1/4 | 4,651.26 | 1/4 | 4,291.26 | 1/4 | 3,915.40 | 1/4 | 3,527.82 | 1/4 | 3,139.61 | 1/4 | 2,751.32 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,985.27 | 1/2 | 4,643.93 | 1/2 | 4,283.59 | 1/2 | 3,907.40 | 1/2 | 3,519.74 | 1/2 | 3,131.52 | 1/2 | 2,743.23 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,978.33 | 3/4 | 4,636.60 | 3/4 | 4,275.93 | 3/4 | 3,899.41 | 3/4 | 3,511.65 | 3/4 | 3,123.43 | 3/4 | 2,735.14 | | |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4,971.37 | 4 | 4,629.23 | 4 | 4,268.24 | 4 | 3,891.38 | 4 | 3,503.56 | 4 | 3,115.35 | 4 | 2,727.05 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,964.41 | 1/4 | 4,621.87 | 1/4 | 4,260.55 | 1/4 | 3,883.36 | 1/4 | 3,495.47 | 1/4 | 3,107.26 | 1/4 | 2,718.96 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,957.45 | 1/2 | 4,614.51 | 1/2 | 4,252.86 | 1/2 | 3,875.33 | 1/2 | 3,487.38 | 1/2 | 3,099.17 | 1/2 | 2,710.87 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,950.48 | 3/4 | 4,607.14 | 3/4 | 4,245.17 | 3/4 | 3,867.30 | 3/4 | 3,479.30 | 3/4 | 3,091.08 | 3/4 | 2,702.78 | | |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4,943.49 | 5 | 4,599.75 | 5 | 4,237.44 | 5 | 3,859.25 | 5 | 3,471.21 | 5 | 3,082.99 | 5 | 2,694.69 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,936.50 | 1/4 | 4,592.37 | 1/4 | 4,229.72 | 1/4 | 3,851.20 | 1/4 | 3,463.12 | 1/4 | 3,074.91 | 1/4 | 2,686.60 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,929.51 | 1/2 | 4,584.98 | 1/2 | 4,221.99 | 1/2 | 3,843.16 | 1/2 | 3,455.03 | 1/2 | 3,066.82 | 1/2 | 2,678.51 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,922.52 | 3/4 | 4,577.59 | 3/4 | 4,214.27 | 3/4 | 3,835.11 | 3/4 | 3,446.95 | 3/4 | 3,058.73 | 3/4 | 2,670.42 | | |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4,915.50 | 6 | 4,570.17 | 6 | 4,206.52 | 6 | 3,827.03 | 6 | 3,438.86 | 6 | 3,050.64 | 6 | 2,662.33 | | |
| 1/4 | | 1/4 | | 1/4 | 5,258.69 | 1/4 | 4,908.48 | 1/4 | 4,562.74 | 1/4 | 4,198.77 | 1/4 | 3,818.96 | 1/4 | 3,430.77 | 1/4 | 3,042.56 | 1/4 | 2,654.24 | | |
| 1/2 | | 1/2 | | 1/2 | 5,252.62 | 1/2 | 4,901.46 | 1/2 | 4,555.32 | 1/2 | 4,191.02 | 1/2 | 3,810.88 | 1/2 | 3,422.68 | 1/2 | 3,034.47 | 1/2 | 2,646.15 | | |
| 3/4 | | 3/4 | | 3/4 | 5,246.55 | 3/4 | 4,894.44 | 3/4 | 4,547.90 | 3/4 | 4,183.28 | 3/4 | 3,802.81 | 3/4 | 3,414.59 | 3/4 | 3,026.38 | 3/4 | 2,638.06 | | |
| 7 | 7 | 7 | 7 | 7 | 5,238.47 | 7 | 4,887.39 | 7 | 4,540.45 | 7 | 4,175.50 | 7 | 3,794.72 | 7 | 3,406.51 | 7 | 3,018.29 | 7 | 2,629.98 | | |
| 1/4 | | 1/4 | | 1/4 | 5,230.38 | 1/4 | 4,880.34 | 1/4 | 4,533.01 | 1/4 | 4,167.73 | 1/4 | 3,786.63 | 1/4 | 3,398.42 | 1/4 | 3,010.20 | 1/4 | 2,621.89 | | |
| 1/2 | | 1/2 | | 1/2 | 5,222.29 | 1/2 | 4,873.29 | 1/2 | 4,525.56 | 1/2 | 4,159.96 | 1/2 | 3,778.55 | 1/2 | 3,390.33 | 1/2 | 3,002.11 | 1/2 | 2,613.80 | | |
| 3/4 | | 3/4 | | 3/4 | 5,214.20 | 3/4 | 4,866.24 | 3/4 | 4,518.12 | 3/4 | 4,152.19 | 3/4 | 3,770.46 | 3/4 | 3,382.24 | 3/4 | 2,994.02 | 3/4 | 2,605.71 | | |
| 8 | 8 | 8 | 8 | 8 | 5,206.11 | 8 | 4,859.17 | 8 | 4,510.65 | 8 | 4,144.38 | 8 | 3,762.37 | 8 | 3,374.16 | 8 | 2,985.93 | 8 | 2,597.62 | | |
| 1/4 | | 1/4 | | 1/4 | 5,198.02 | 1/4 | 4,852.10 | 1/4 | 4,503.17 | 1/4 | 4,136.57 | 1/4 | 3,754.28 | 1/4 | 3,366.07 | 1/4 | 2,977.84 | 1/4 | 2,589.53 | | |
| 1/2 | | 1/2 | | 1/2 | 5,189.93 | 1/2 | 4,845.03 | 1/2 | 4,495.70 | 1/2 | 4,128.77 | 1/2 | 3,746.19 | 1/2 | 3,357.98 | 1/2 | 2,969.75 | 1/2 | 2,581.44 | | |
| 3/4 | | 3/4 | | 3/4 | 5,181.84 | 3/4 | 4,837.96 | 3/4 | 4,488.23 | 3/4 | 4,120.96 | 3/4 | 3,738.11 | 3/4 | 3,349.89 | 3/4 | 2,961.66 | 3/4 | 2,573.35 | | |
| 9 | 9 | 9 | 9 | 9 | 5,173.75 | 9 | 4,830.86 | 9 | 4,480.73 | 9 | 4,113.13 | 9 | 3,730.02 | 9 | 3,341.80 | 9 | 2,953.57 | 9 | 2,565.26 | | |
| 1/4 | | 1/4 | | 1/4 | 5,165.66 | 1/4 | 4,823.76 | 1/4 | 4,473.23 | 1/4 | 4,105.30 | 1/4 | 3,721.93 | 1/4 | 3,333.72 | 1/4 | 2,945.48 | 1/4 | 2,557.17 | | |
| 1/2 | | 1/2 | | 1/2 | 5,157.57 | 1/2 | 4,816.66 | 1/2 | 4,465.72 | 1/2 | 4,097.48 | 1/2 | 3,713.84 | 1/2 | 3,325.63 | 1/2 | 2,937.39 | 1/2 | 2,549.08 | | |
| 3/4 | | 3/4 | | 3/4 | 5,149.48 | 3/4 | 4,809.57 | 3/4 | 4,458.22 | 3/4 | 4,089.65 | 3/4 | 3,705.76 | 3/4 | 3,317.54 | 3/4 | 2,929.30 | 3/4 | 2,540.99 | | |
| 10 | 10 | 10 | 10 | 10 | 5,141.39 | 10 | 4,802.44 | 10 | 4,450.69 | 10 | 4,081.79 | 10 | 3,697.67 | 10 | 3,309.45 | 10 | 2,921.21 | 10 | 2,532.90 | | |
| 1/4 | | 1/4 | | 1/4 | 5,133.30 | 1/4 | 4,795.31 | 1/4 | 4,443.16 | 1/4 | 4,073.94 | 1/4 | 3,689.58 | 1/4 | 3,301.37 | 1/4 | 2,913.12 | 1/4 | 2,524.81 | | |
| 1/2 | | 1/2 | | 1/2 | 5,125.21 | 1/2 | 4,788.18 | 1/2 | 4,435.64 | 1/2 | 4,066.08 | 1/2 | 3,681.49 | 1/2 | 3,293.28 | 1/2 | 2,905.03 | 1/2 | 2,516.72 | | |
| 3/4 | | 3/4 | | 3/4 | 5,117.12 | 3/4 | 4,781.05 | 3/4 | 4,428.11 | 3/4 | 4,058.23 | 3/4 | 3,673.40 | 3/4 | 3,285.19 | 3/4 | 2,896.94 | 3/4 | 2,508.63 | | |
| 11 | 11 | 11 | 11 | 11 | 5,110.21 | 11 | 4,773.89 | 11 | 4,420.56 | 11 | 4,050.34 | 11 | 3,665.32 | 11 | 3,277.10 | 11 | 2,888.85 | 11 | 2,500.54 | | |
| 1/4 | | 1/4 | | 1/4 | 5,103.31 | 1/4 | 4,766.74 | 1/4 | 4,413.01 | 1/4 | 4,042.46 | 1/4 | 3,657.23 | 1/4 | 3,269.01 | 1/4 | 2,880.76 | 1/4 | 2,492.45 | | |
| 1/2 | | 1/2 | | 1/2 | 5,096.41 | 1/2 | 4,759.58 | 1/2 | 4,405.45 | 1/2 | 4,034.57 | 1/2 | 3,649.14 | 1/2 | 3,260.93 | 1/2 | 2,872.67 | 1/2 | 2,484.36 | | |
| 3/4 | | 3/4 | | 3/4 | 5,089.51 | 3/4 | 4,752.43 | 3/4 | 4,397.90 | 3/4 | 4,026.68 | 3/4 | 3,641.05 | 3/4 | 3,252.84 | 3/4 | 2,864.58 | 3/4 | 2,476.27 | | |

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-03" 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 28143"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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 | 2,468.18 | 0 | 2,079.86 | 0 | 1,691.55 | 0 | 1,303.23 | 0 | 915.84 | 0 | 542.28 | 0 | 154.01 | 0 | | 0 | | 0 | |
| 1/4 | 2,460.09 | 1/4 | 2,071.77 | 1/4 | 1,683.46 | 1/4 | 1,295.14 | 1/4 | 908.05 | 1/4 | 534.19 | 1/4 | 145.92 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,452.00 | 1/2 | 2,063.68 | 1/2 | 1,675.37 | 1/2 | 1,287.05 | 1/2 | 900.27 | 1/2 | 526.10 | 1/2 | 137.83 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,443.91 | 3/4 | 2,055.59 | 3/4 | 1,667.28 | 3/4 | 1,278.96 | 3/4 | 892.49 | 3/4 | 518.01 | 3/4 | 129.74 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 1 | 2,435.82 | 1 | 2,047.50 | 1 | 1,659.19 | 1 | 1,270.87 | 1 | 884.73 | 1 | 509.93 | 1 | 121.65 | 1 | 1 | | 1 | | 1 |
| 1/4 | 2,427.73 | 1/4 | 2,039.41 | 1/4 | 1,651.10 | 1/4 | 1,262.78 | 1/4 | 876.96 | 1/4 | 501.84 | 1/4 | 113.56 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,419.64 | 1/2 | 2,031.32 | 1/2 | 1,643.01 | 1/2 | 1,254.69 | 1/2 | 869.19 | 1/2 | 493.75 | 1/2 | 105.48 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,411.55 | 3/4 | 2,023.23 | 3/4 | 1,634.92 | 3/4 | 1,246.60 | 3/4 | 861.43 | 3/4 | 485.66 | 3/4 | 97.39 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 2 | 2,403.46 | 2 | 2,015.14 | 2 | 1,626.83 | 2 | 1,238.51 | 2 | 853.67 | 2 | 477.57 | 2 | 89.30 | 2 | 2 | | 2 | | 2 |
| 1/4 | 2,395.37 | 1/4 | 2,007.05 | 1/4 | 1,618.74 | 1/4 | 1,230.42 | 1/4 | 845.92 | 1/4 | 469.48 | 1/4 | 81.21 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,387.28 | 1/2 | 1,998.96 | 1/2 | 1,610.65 | 1/2 | 1,222.33 | 1/2 | 838.16 | 1/2 | 461.39 | 1/2 | 73.12 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,379.19 | 3/4 | 1,990.87 | 3/4 | 1,602.56 | 3/4 | 1,214.24 | 3/4 | 830.40 | 3/4 | 453.30 | 3/4 | 65.03 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 3 | 2,371.10 | 3 | 1,982.78 | 3 | 1,594.47 | 3 | 1,206.15 | 3 | 822.65 | 3 | 445.21 | 3 | 57.95 | 3 | 3 | | 3 | | 3 |
| 1/4 | 2,363.01 | 1/4 | 1,974.69 | 1/4 | 1,586.38 | 1/4 | 1,198.06 | 1/4 | 814.89 | 1/4 | 437.12 | 1/4 | 50.87 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,354.92 | 1/2 | 1,966.60 | 1/2 | 1,578.29 | 1/2 | 1,189.97 | 1/2 | 807.14 | 1/2 | 429.04 | 1/2 | 43.79 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,346.83 | 3/4 | 1,958.51 | 3/4 | 1,570.20 | 3/4 | 1,181.88 | 3/4 | 799.38 | 3/4 | 420.95 | 3/4 | 36.71 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 4 | 2,338.74 | 4 | 1,950.42 | 4 | 1,562.11 | 4 | 1,173.79 | 4 | 791.63 | 4 | 412.86 | 4 | 31.66 | 4 | 4 | | 4 | | 4 |
| 1/4 | 2,330.65 | 1/4 | 1,942.33 | 1/4 | 1,554.02 | 1/4 | 1,165.70 | 1/4 | 783.87 | 1/4 | 404.77 | 1/4 | 26.60 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,322.56 | 1/2 | 1,934.24 | 1/2 | 1,545.93 | 1/2 | 1,157.61 | 1/2 | 776.11 | 1/2 | 396.68 | 1/2 | 21.55 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,314.47 | 3/4 | 1,926.15 | 3/4 | 1,537.84 | 3/4 | 1,149.52 | 3/4 | 768.36 | 3/4 | 388.59 | 3/4 | 16.49 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 5 | 2,306.38 | 5 | 1,918.06 | 5 | 1,529.75 | 5 | 1,141.43 | 5 | 760.60 | 5 | 380.50 | 5 | | 5 | 5 | | 5 | | 5 |
| 1/4 | 2,298.29 | 1/4 | 1,909.97 | 1/4 | 1,521.66 | 1/4 | 1,133.34 | 1/4 | 752.85 | 1/4 | 372.41 | 1/4 | | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,290.20 | 1/2 | 1,901.88 | 1/2 | 1,513.57 | 1/2 | 1,125.25 | 1/2 | 745.09 | 1/2 | 364.32 | 1/2 | | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,282.11 | 3/4 | 1,893.79 | 3/4 | 1,505.48 | 3/4 | 1,117.16 | 3/4 | 737.34 | 3/4 | 356.23 | 3/4 | | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 6 | 2,274.02 | 6 | 1,885.70 | 6 | 1,497.39 | 6 | 1,109.07 | 6 | 729.58 | 6 | 348.15 | 6 | | 6 | 6 | | 6 | | 6 |
| 1/4 | 2,265.93 | 1/4 | 1,877.61 | 1/4 | 1,489.30 | 1/4 | 1,100.98 | 1/4 | 721.82 | 1/4 | 340.06 | 1/4 | | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,257.84 | 1/2 | 1,869.52 | 1/2 | 1,481.21 | 1/2 | 1,092.89 | 1/2 | 714.07 | 1/2 | 331.97 | 1/2 | | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,249.75 | 3/4 | 1,861.43 | 3/4 | 1,473.12 | 3/4 | 1,084.80 | 3/4 | 706.31 | 3/4 | 323.88 | 3/4 | | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 7 | 2,241.66 | 7 | 1,853.34 | 7 | 1,465.03 | 7 | 1,076.71 | 7 | 698.56 | 7 | 315.79 | 7 | | 7 | 7 | | 7 | | 7 |
| 1/4 | 2,233.57 | 1/4 | 1,845.25 | 1/4 | 1,456.94 | 1/4 | 1,068.62 | 1/4 | 690.80 | 1/4 | 307.70 | 1/4 | | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,225.48 | 1/2 | 1,837.16 | 1/2 | 1,448.85 | 1/2 | 1,060.53 | 1/2 | 683.05 | 1/2 | 299.61 | 1/2 | | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,217.39 | 3/4 | 1,829.07 | 3/4 | 1,440.76 | 3/4 | 1,052.44 | 3/4 | 675.30 | 3/4 | 291.52 | 3/4 | | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 8 | 2,209.30 | 8 | 1,820.99 | 8 | 1,432.67 | 8 | 1,044.35 | 8 | 667.54 | 8 | 283.43 | 8 | | 8 | 8 | | 8 | | 8 |
| 1/4 | 2,201.21 | 1/4 | 1,812.90 | 1/4 | 1,424.58 | 1/4 | 1,036.26 | 1/4 | 659.79 | 1/4 | 275.34 | 1/4 | | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,193.12 | 1/2 | 1,804.81 | 1/2 | 1,416.49 | 1/2 | 1,028.17 | 1/2 | 652.04 | 1/2 | 267.26 | 1/2 | | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,185.03 | 3/4 | 1,796.72 | 3/4 | 1,408.40 | 3/4 | 1,020.08 | 3/4 | 644.28 | 3/4 | 259.17 | 3/4 | | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 9 | 2,176.94 | 9 | 1,788.63 | 9 | 1,400.31 | 9 | 1,012.00 | 9 | 636.52 | 9 | 251.08 | 9 | | 9 | 9 | | 9 | | 9 |
| 1/4 | 2,168.85 | 1/4 | 1,780.54 | 1/4 | 1,392.22 | 1/4 | 1,003.91 | 1/4 | 628.75 | 1/4 | 242.99 | 1/4 | | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,160.76 | 1/2 | 1,772.45 | 1/2 | 1,384.13 | 1/2 | 995.82 | 1/2 | 620.99 | 1/2 | 234.90 | 1/2 | | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,152.67 | 3/4 | 1,764.36 | 3/4 | 1,376.04 | 3/4 | 987.73 | 3/4 | 613.23 | 3/4 | 226.81 | 3/4 | | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 10 | 2,144.58 | 10 | 1,756.27 | 10 | 1,367.95 | 10 | 979.64 | 10 | 605.45 | 10 | 218.72 | 10 | | 10 | 10 | | 10 | | 10 |
| 1/4 | 2,136.49 | 1/4 | 1,748.18 | 1/4 | 1,359.86 | 1/4 | 971.55 | 1/4 | 597.67 | 1/4 | 210.63 | 1/4 | | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,128.40 | 1/2 | 1,740.09 | 1/2 | 1,351.77 | 1/2 | 963.46 | 1/2 | 589.89 | 1/2 | 202.54 | 1/2 | | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,120.31 | 3/4 | 1,732.00 | 3/4 | 1,343.68 | 3/4 | 955.37 | 3/4 | 582.11 | 3/4 | 194.45 | 3/4 | | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 11 | 2,112.22 | 11 | 1,723.91 | 11 | 1,335.59 | 11 | 947.43 | 11 | 574.18 | 11 | 186.37 | 11 | | 11 | 11 | | 11 | | 11 |
| 1/4 | 2,104.13 | 1/4 | 1,715.82 | 1/4 | 1,327.50 | 1/4 | 939.49 | 1/4 | 566.24 | 1/4 | 178.28 | 1/4 | | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,096.04 | 1/2 | 1,707.73 | 1/2 | 1,319.41 | 1/2 | 931.55 | 1/2 | 558.31 | 1/2 | 170.19 | 1/2 | | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,087.95 | 3/4 | 1,699.64 | 3/4 | 1,311.32 | 3/4 | 923.62 | 3/4 | 550.37 | 3/4 | 162.10 | 3/4 | | 3/4 | 3/4 | | 3/4 | | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2012 CL - SW
CALCULATED: 02/07/2012 CL
PRINTED: 2/07/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2012

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



BARGE "KIRBY 28143"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | |
|-------|-----|-------|-----|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 0 | | 0 | | 0 | | 0 | 4,494.69 | 0 | 4,238.67 | 0 | 3,969.81 | 0 | 3,688.49 | 0 | 3,394.03 | 0 | 3,038.10 | 0 | 2,677.13 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,489.45 | 1/4 | 4,233.21 | 1/4 | 3,964.06 | 1/4 | 3,682.50 | 1/4 | 3,387.21 | 1/4 | 3,030.58 | 1/4 | 2,669.60 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,484.20 | 1/2 | 4,227.76 | 1/2 | 3,958.31 | 1/2 | 3,676.50 | 1/2 | 3,380.38 | 1/2 | 3,023.06 | 1/2 | 2,662.08 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,478.95 | 3/4 | 4,222.30 | 3/4 | 3,952.57 | 3/4 | 3,670.51 | 3/4 | 3,373.56 | 3/4 | 3,015.54 | 3/4 | 2,654.56 |
| 1 | | 1 | | 1 | | 1 | 4,473.71 | 1 | 4,216.84 | 1 | 3,946.82 | 1 | 3,664.51 | 1 | 3,366.73 | 1 | 3,008.02 | 1 | 2,647.04 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,468.44 | 1/4 | 4,211.36 | 1/4 | 3,941.05 | 1/4 | 3,658.49 | 1/4 | 3,359.63 | 1/4 | 3,000.50 | 1/4 | 2,639.52 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,463.17 | 1/2 | 4,205.88 | 1/2 | 3,935.29 | 1/2 | 3,652.47 | 1/2 | 3,352.53 | 1/2 | 2,992.98 | 1/2 | 2,632.00 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,457.91 | 3/4 | 4,200.40 | 3/4 | 3,929.52 | 3/4 | 3,646.45 | 3/4 | 3,345.43 | 3/4 | 2,985.46 | 3/4 | 2,624.48 |
| 2 | | 2 | | 2 | | 2 | 4,452.64 | 2 | 4,194.92 | 2 | 3,923.75 | 2 | 3,640.43 | 2 | 3,338.32 | 2 | 2,977.94 | 2 | 2,616.96 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,447.35 | 1/4 | 4,189.42 | 1/4 | 3,917.97 | 1/4 | 3,634.39 | 1/4 | 3,330.94 | 1/4 | 2,970.42 | 1/4 | 2,609.44 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,442.06 | 1/2 | 4,183.92 | 1/2 | 3,912.18 | 1/2 | 3,628.35 | 1/2 | 3,323.56 | 1/2 | 2,962.90 | 1/2 | 2,601.91 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,436.77 | 3/4 | 4,178.42 | 3/4 | 3,906.40 | 3/4 | 3,622.31 | 3/4 | 3,316.18 | 3/4 | 2,955.38 | 3/4 | 2,594.39 |
| 3 | | 3 | | 3 | | 3 | 4,431.48 | 3 | 4,172.92 | 3 | 3,900.61 | 3 | 3,616.27 | 3 | 3,308.80 | 3 | 2,947.86 | 3 | 2,586.87 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,426.20 | 1/4 | 4,167.36 | 1/4 | 3,894.80 | 1/4 | 3,610.22 | 1/4 | 3,301.28 | 1/4 | 2,940.34 | 1/4 | 2,579.35 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,420.93 | 1/2 | 4,161.81 | 1/2 | 3,888.99 | 1/2 | 3,604.16 | 1/2 | 3,293.76 | 1/2 | 2,932.82 | 1/2 | 2,571.83 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,415.66 | 3/4 | 4,156.25 | 3/4 | 3,883.19 | 3/4 | 3,598.10 | 3/4 | 3,286.24 | 3/4 | 2,925.30 | 3/4 | 2,564.31 |
| 4 | | 4 | | 4 | | 4 | 4,410.39 | 4 | 4,150.69 | 4 | 3,877.38 | 4 | 3,592.05 | 4 | 3,278.72 | 4 | 2,917.78 | 4 | 2,556.79 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,405.10 | 1/4 | 4,145.11 | 1/4 | 3,871.55 | 1/4 | 3,585.96 | 1/4 | 3,271.20 | 1/4 | 2,910.26 | 1/4 | 2,549.27 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,399.80 | 1/2 | 4,139.53 | 1/2 | 3,865.72 | 1/2 | 3,579.88 | 1/2 | 3,263.68 | 1/2 | 2,902.74 | 1/2 | 2,541.75 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,394.51 | 3/4 | 4,133.95 | 3/4 | 3,859.89 | 3/4 | 3,573.80 | 3/4 | 3,256.16 | 3/4 | 2,895.22 | 3/4 | 2,534.22 |
| 5 | | 5 | | 5 | | 5 | 4,389.22 | 5 | 4,128.37 | 5 | 3,854.06 | 5 | 3,567.71 | 5 | 3,248.65 | 5 | 2,887.70 | 5 | 2,526.70 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,383.91 | 1/4 | 4,122.77 | 1/4 | 3,848.21 | 1/4 | 3,561.61 | 1/4 | 3,241.13 | 1/4 | 2,880.18 | 1/4 | 2,519.18 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,378.59 | 1/2 | 4,117.17 | 1/2 | 3,842.36 | 1/2 | 3,555.51 | 1/2 | 3,233.61 | 1/2 | 2,872.67 | 1/2 | 2,511.66 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,373.28 | 3/4 | 4,111.57 | 3/4 | 3,836.50 | 3/4 | 3,549.41 | 3/4 | 3,226.09 | 3/4 | 2,865.15 | 3/4 | 2,504.14 |
| 6 | | 6 | | 6 | | 6 | 4,367.96 | 6 | 4,105.98 | 6 | 3,830.65 | 6 | 3,543.31 | 6 | 3,218.57 | 6 | 2,857.63 | 6 | 2,496.62 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,362.63 | 1/4 | 4,100.35 | 1/4 | 3,824.78 | 1/4 | 3,537.19 | 1/4 | 3,211.05 | 1/4 | 2,850.11 | 1/4 | 2,489.10 |
| 1/2 | | 1/2 | | 1/2 | 4,622.90 | 1/2 | 4,357.29 | 1/2 | 4,094.73 | 1/2 | 3,818.91 | 1/2 | 3,531.08 | 1/2 | 3,203.53 | 1/2 | 2,842.59 | 1/2 | 2,481.58 |
| 3/4 | | 3/4 | | 3/4 | 4,618.30 | 3/4 | 4,351.96 | 3/4 | 4,089.10 | 3/4 | 3,813.03 | 3/4 | 3,524.96 | 3/4 | 3,196.01 | 3/4 | 2,835.07 | 3/4 | 2,474.06 |
| 7 | | 7 | | 7 | 4,613.70 | 7 | 4,346.62 | 7 | 4,083.47 | 7 | 3,807.16 | 7 | 3,518.84 | 7 | 3,188.49 | 7 | 2,827.55 | 7 | 2,466.53 |
| 1/4 | | 1/4 | | 1/4 | 4,607.57 | 1/4 | 4,341.27 | 1/4 | 4,077.83 | 1/4 | 3,801.27 | 1/4 | 3,512.71 | 1/4 | 3,180.97 | 1/4 | 2,820.03 | 1/4 | 2,459.01 |
| 1/2 | | 1/2 | | 1/2 | 4,601.44 | 1/2 | 4,335.91 | 1/2 | 4,072.19 | 1/2 | 3,795.38 | 1/2 | 3,506.58 | 1/2 | 3,173.45 | 1/2 | 2,812.51 | 1/2 | 2,451.49 |
| 3/4 | | 3/4 | | 3/4 | 4,595.31 | 3/4 | 4,330.55 | 3/4 | 4,066.55 | 3/4 | 3,789.49 | 3/4 | 3,500.45 | 3/4 | 3,165.93 | 3/4 | 2,804.98 | 3/4 | 2,443.97 |
| 8 | | 8 | | 8 | 4,589.18 | 8 | 4,325.19 | 8 | 4,060.91 | 8 | 3,783.60 | 8 | 3,494.32 | 8 | 3,158.41 | 8 | 2,797.46 | 8 | 2,436.45 |
| 1/4 | | 1/4 | | 1/4 | 4,583.05 | 1/4 | 4,319.81 | 1/4 | 4,055.25 | 1/4 | 3,777.69 | 1/4 | 3,488.19 | 1/4 | 3,150.89 | 1/4 | 2,789.94 | 1/4 | 2,428.93 |
| 1/2 | | 1/2 | | 1/2 | 4,576.91 | 1/2 | 4,314.44 | 1/2 | 4,049.58 | 1/2 | 3,771.77 | 1/2 | 3,482.06 | 1/2 | 3,143.37 | 1/2 | 2,782.42 | 1/2 | 2,421.41 |
| 3/4 | | 3/4 | | 3/4 | 4,570.78 | 3/4 | 4,309.06 | 3/4 | 4,043.92 | 3/4 | 3,765.86 | 3/4 | 3,475.93 | 3/4 | 3,135.85 | 3/4 | 2,774.90 | 3/4 | 2,413.89 |
| 9 | | 9 | | 9 | 4,564.65 | 9 | 4,303.68 | 9 | 4,038.26 | 9 | 3,759.94 | 9 | 3,469.80 | 9 | 3,128.33 | 9 | 2,767.38 | 9 | 2,406.37 |
| 1/4 | | 1/4 | | 1/4 | 4,558.52 | 1/4 | 4,298.29 | 1/4 | 4,032.58 | 1/4 | 3,754.01 | 1/4 | 3,463.68 | 1/4 | 3,120.81 | 1/4 | 2,759.86 | 1/4 | 2,398.85 |
| 1/2 | | 1/2 | | 1/2 | 4,552.39 | 1/2 | 4,292.89 | 1/2 | 4,026.89 | 1/2 | 3,748.08 | 1/2 | 3,457.55 | 1/2 | 3,113.29 | 1/2 | 2,752.34 | 1/2 | 2,391.32 |
| 3/4 | | 3/4 | | 3/4 | 4,546.26 | 3/4 | 4,287.50 | 3/4 | 4,021.20 | 3/4 | 3,742.14 | 3/4 | 3,451.42 | 3/4 | 3,105.77 | 3/4 | 2,744.82 | 3/4 | 2,383.80 |
| 10 | | 10 | | 10 | 4,540.13 | 10 | 4,282.10 | 10 | 4,015.52 | 10 | 3,736.21 | 10 | 3,445.29 | 10 | 3,098.25 | 10 | 2,737.29 | 10 | 2,376.28 |
| 1/4 | | 1/4 | | 1/4 | 4,534.00 | 1/4 | 4,276.68 | 1/4 | 4,009.81 | 1/4 | 3,730.26 | 1/4 | 3,439.02 | 1/4 | 3,090.73 | 1/4 | 2,729.77 | 1/4 | 2,368.76 |
| 1/2 | | 1/2 | | 1/2 | 4,527.87 | 1/2 | 4,271.26 | 1/2 | 4,004.11 | 1/2 | 3,724.30 | 1/2 | 3,432.75 | 1/2 | 3,083.21 | 1/2 | 2,722.25 | 1/2 | 2,361.24 |
| 3/4 | | 3/4 | | 3/4 | 4,521.74 | 3/4 | 4,265.84 | 3/4 | 3,998.41 | 3/4 | 3,718.35 | 3/4 | 3,426.48 | 3/4 | 3,075.69 | 3/4 | 2,714.73 | 3/4 | 2,353.72 |
| 11 | | 11 | | 11 | 4,515.61 | 11 | 4,260.42 | 11 | 3,992.70 | 11 | 3,712.40 | 11 | 3,420.22 | 11 | 3,068.17 | 11 | 2,707.21 | 11 | 2,346.20 |
| 1/4 | | 1/4 | | 1/4 | 4,510.38 | 1/4 | 4,254.99 | 1/4 | 3,986.98 | 1/4 | 3,706.42 | 1/4 | 3,413.67 | 1/4 | 3,060.66 | 1/4 | 2,699.69 | 1/4 | 2,338.68 |
| 1/2 | | 1/2 | | 1/2 | 4,505.15 | 1/2 | 4,249.55 | 1/2 | 3,981.25 | 1/2 | 3,700.45 | 1/2 | 3,407.12 | 1/2 | 3,053.14 | 1/2 | 2,692.17 | 1/2 | 2,331.16 |
| 3/4 | | 3/4 | | 3/4 | 4,499.92 | 3/4 | 4,244.11 | 3/4 | 3,975.53 | 3/4 | 3,694.47 | 3/4 | 3,400.58 | 3/4 | 3,045.62 | 3/4 | 2,684.65 | 3/4 | 2,323.63 |

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 40'-06" 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 28143"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

| 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | | 16 FT. | | 17 FT. | | 18 FT. | | 19 FT. | | | |
|--------|----------|--------|----------|--------|----------|--------|----------|--------|--------|--------|--------|--------|--------|--------|-----|--------|-----|--------|-----|----|---|
| IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 |
| | 2,316.11 | | 1,955.10 | | 1,594.09 | | 1,233.07 | | 872.86 | | 511.86 | | 150.86 | | | | | | | | |
| 1/4 | 2,308.59 | 1/4 | 1,947.58 | 1/4 | 1,586.57 | 1/4 | 1,225.55 | 1/4 | 865.34 | 1/4 | 504.34 | 1/4 | 143.34 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | | |
| 1/2 | 2,301.07 | 1/2 | 1,940.06 | 1/2 | 1,579.05 | 1/2 | 1,218.03 | 1/2 | 857.82 | 1/2 | 496.82 | 1/2 | 135.82 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | | |
| 3/4 | 2,293.55 | 3/4 | 1,932.54 | 3/4 | 1,571.52 | 3/4 | 1,210.51 | 3/4 | 850.30 | 3/4 | 489.30 | 3/4 | 128.30 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | | |
| 1 | 2,286.03 | 1 | 1,925.02 | 1 | 1,564.00 | 1 | 1,202.99 | 1 | 842.78 | 1 | 481.78 | 1 | 120.78 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| 1/4 | 2,278.51 | 1/4 | 1,917.49 | 1/4 | 1,556.48 | 1/4 | 1,195.47 | 1/4 | 835.25 | 1/4 | 474.26 | 1/4 | 113.26 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | | |
| 1/2 | 2,270.99 | 1/2 | 1,909.97 | 1/2 | 1,548.96 | 1/2 | 1,187.95 | 1/2 | 827.73 | 1/2 | 466.74 | 1/2 | 105.74 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | | |
| 3/4 | 2,263.47 | 3/4 | 1,902.45 | 3/4 | 1,541.44 | 3/4 | 1,180.43 | 3/4 | 820.21 | 3/4 | 459.21 | 3/4 | 98.22 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | | |
| 2 | 2,255.94 | 2 | 1,894.93 | 2 | 1,533.92 | 2 | 1,172.91 | 2 | 812.69 | 2 | 451.69 | 2 | 90.70 | 2 | 2 | 2 | 2 | 2 | 2 | | |
| 1/4 | 2,248.42 | 1/4 | 1,887.41 | 1/4 | 1,526.40 | 1/4 | 1,165.38 | 1/4 | 805.17 | 1/4 | 444.17 | 1/4 | 83.17 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | | |
| 1/2 | 2,240.90 | 1/2 | 1,879.89 | 1/2 | 1,518.88 | 1/2 | 1,157.86 | 1/2 | 797.65 | 1/2 | 436.65 | 1/2 | 75.65 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | | |
| 3/4 | 2,233.38 | 3/4 | 1,872.37 | 3/4 | 1,511.36 | 3/4 | 1,150.34 | 3/4 | 790.13 | 3/4 | 429.13 | 3/4 | 68.13 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | | |
| 3 | 2,225.86 | 3 | 1,864.85 | 3 | 1,503.83 | 3 | 1,142.82 | 3 | 782.61 | 3 | 421.61 | 3 | 60.61 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| 1/4 | 2,218.34 | 1/4 | 1,857.33 | 1/4 | 1,496.31 | 1/4 | 1,135.30 | 1/4 | 775.09 | 1/4 | 414.09 | 1/4 | 54.03 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | | |
| 1/2 | 2,210.82 | 1/2 | 1,849.80 | 1/2 | 1,488.79 | 1/2 | 1,127.78 | 1/2 | 767.57 | 1/2 | 406.57 | 1/2 | 47.45 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | | |
| 3/4 | 2,203.30 | 3/4 | 1,842.28 | 3/4 | 1,481.27 | 3/4 | 1,120.26 | 3/4 | 760.05 | 3/4 | 399.05 | 3/4 | 40.87 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | | |
| 4 | 2,195.78 | 4 | 1,834.76 | 4 | 1,473.75 | 4 | 1,112.74 | 4 | 752.53 | 4 | 391.53 | 4 | 34.29 | 4 | 4 | 4 | 4 | 4 | 4 | | |
| 1/4 | 2,188.25 | 1/4 | 1,827.24 | 1/4 | 1,466.23 | 1/4 | 1,105.24 | 1/4 | 745.00 | 1/4 | 384.01 | 1/4 | 29.59 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | | |
| 1/2 | 2,180.73 | 1/2 | 1,819.72 | 1/2 | 1,458.71 | 1/2 | 1,097.74 | 1/2 | 737.48 | 1/2 | 376.49 | 1/2 | 24.89 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | | |
| 3/4 | 2,173.21 | 3/4 | 1,812.20 | 3/4 | 1,451.19 | 3/4 | 1,090.25 | 3/4 | 729.96 | 3/4 | 368.96 | 3/4 | 20.19 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | | |
| 5 | 2,165.69 | 5 | 1,804.68 | 5 | 1,443.67 | 5 | 1,082.75 | 5 | 722.44 | 5 | 361.44 | 5 | 15.49 | 5 | 5 | 5 | 5 | 5 | 5 | | |
| 1/4 | 2,158.17 | 1/4 | 1,797.16 | 1/4 | 1,436.14 | 1/4 | 1,075.26 | 1/4 | 714.92 | 1/4 | 353.92 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | | |
| 1/2 | 2,150.65 | 1/2 | 1,789.64 | 1/2 | 1,428.62 | 1/2 | 1,067.76 | 1/2 | 707.40 | 1/2 | 346.40 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | | |
| 3/4 | 2,143.13 | 3/4 | 1,782.11 | 3/4 | 1,421.10 | 3/4 | 1,060.26 | 3/4 | 699.88 | 3/4 | 338.88 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | | |
| 6 | 2,135.61 | 6 | 1,774.59 | 6 | 1,413.58 | 6 | 1,052.77 | 6 | 692.36 | 6 | 331.36 | 6 | | 6 | 6 | 6 | 6 | 6 | 6 | | |
| 1/4 | 2,128.09 | 1/4 | 1,767.07 | 1/4 | 1,406.06 | 1/4 | 1,045.27 | 1/4 | 684.84 | 1/4 | 323.84 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | | |
| 1/2 | 2,120.56 | 1/2 | 1,759.55 | 1/2 | 1,398.54 | 1/2 | 1,037.77 | 1/2 | 677.32 | 1/2 | 316.32 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | | |
| 3/4 | 2,113.04 | 3/4 | 1,752.03 | 3/4 | 1,391.02 | 3/4 | 1,030.28 | 3/4 | 669.80 | 3/4 | 308.80 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | | |
| 7 | 2,105.52 | 7 | 1,744.51 | 7 | 1,383.50 | 7 | 1,022.78 | 7 | 662.28 | 7 | 301.28 | 7 | | 7 | 7 | 7 | 7 | 7 | 7 | | |
| 1/4 | 2,098.00 | 1/4 | 1,736.99 | 1/4 | 1,375.98 | 1/4 | 1,015.29 | 1/4 | 654.76 | 1/4 | 293.76 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | | |
| 1/2 | 2,090.48 | 1/2 | 1,729.47 | 1/2 | 1,368.45 | 1/2 | 1,007.79 | 1/2 | 647.23 | 1/2 | 286.24 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | | |
| 3/4 | 2,082.96 | 3/4 | 1,721.95 | 3/4 | 1,360.93 | 3/4 | 1,000.29 | 3/4 | 639.71 | 3/4 | 278.72 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | | |
| 8 | 2,075.44 | 8 | 1,714.42 | 8 | 1,353.41 | 8 | 992.80 | 8 | 632.19 | 8 | 271.19 | 8 | | 8 | 8 | 8 | 8 | 8 | 8 | | |
| 1/4 | 2,067.92 | 1/4 | 1,706.90 | 1/4 | 1,345.89 | 1/4 | 985.30 | 1/4 | 624.67 | 1/4 | 263.67 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | | |
| 1/2 | 2,060.40 | 1/2 | 1,699.38 | 1/2 | 1,338.37 | 1/2 | 977.81 | 1/2 | 617.15 | 1/2 | 256.15 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | | |
| 3/4 | 2,052.87 | 3/4 | 1,691.86 | 3/4 | 1,330.85 | 3/4 | 970.31 | 3/4 | 609.63 | 3/4 | 248.63 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | | |
| 9 | 2,045.35 | 9 | 1,684.34 | 9 | 1,323.33 | 9 | 962.81 | 9 | 602.11 | 9 | 241.11 | 9 | | 9 | 9 | 9 | 9 | 9 | 9 | | |
| 1/4 | 2,037.83 | 1/4 | 1,676.82 | 1/4 | 1,315.81 | 1/4 | 955.32 | 1/4 | 594.59 | 1/4 | 233.59 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | | |
| 1/2 | 2,030.31 | 1/2 | 1,669.30 | 1/2 | 1,308.29 | 1/2 | 947.82 | 1/2 | 587.07 | 1/2 | 226.07 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | | |
| 3/4 | 2,022.79 | 3/4 | 1,661.78 | 3/4 | 1,300.76 | 3/4 | 940.32 | 3/4 | 579.55 | 3/4 | 218.55 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | | |
| 10 | 2,015.27 | 10 | 1,654.26 | 10 | 1,293.24 | 10 | 932.83 | 10 | 572.03 | 10 | 211.03 | 10 | | 10 | 10 | 10 | 10 | 10 | 10 | | |
| 1/4 | 2,007.75 | 1/4 | 1,646.74 | 1/4 | 1,285.72 | 1/4 | 925.33 | 1/4 | 564.51 | 1/4 | 203.51 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | | |
| 1/2 | 2,000.23 | 1/2 | 1,639.21 | 1/2 | 1,278.20 | 1/2 | 917.84 | 1/2 | 556.98 | 1/2 | 195.99 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | | |
| 3/4 | 1,992.71 | 3/4 | 1,631.69 | 3/4 | 1,270.68 | 3/4 | 910.34 | 3/4 | 549.46 | 3/4 | 188.47 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | | |
| 11 | 1,985.18 | 11 | 1,624.17 | 11 | 1,263.16 | 11 | 902.84 | 11 | 541.94 | 11 | 180.94 | 11 | | 11 | 11 | 11 | 11 | 11 | 11 | | |
| 1/4 | 1,977.66 | 1/4 | 1,616.65 | 1/4 | 1,255.64 | 1/4 | 895.35 | 1/4 | 534.42 | 1/4 | 173.42 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | | |
| 1/2 | 1,970.14 | 1/2 | 1,609.13 | 1/2 | 1,248.12 | 1/2 | 887.85 | 1/2 | 526.90 | 1/2 | 165.90 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | | |
| 3/4 | 1,962.62 | 3/4 | 1,601.61 | 3/4 | 1,240.60 | 3/4 | 880.35 | 3/4 | 519.38 | 3/4 | 158.38 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2012 CL - SW
CALCULATED: 02/07/2012 CL
PRINTED: 2/07/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2012

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



BARGE "KIRBY 28143"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | | | |
|-----------|-----------|-----------|-----------|-----------|-----------------|-----------|-----------------|-----------|-----------------|-----------|-----------------|-----------|-----------------|-----------|-----------------|-----------|-----------------|-----------|-----------------|----|---|
| IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,458.91 | 1/4 | 4,202.62 | 1/4 | 3,933.34 | 1/4 | 3,651.70 | 1/4 | 3,355.75 | 1/4 | 2,999.17 | 1/4 | 2,639.08 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,453.67 | 1/2 | 4,197.17 | 1/2 | 3,927.59 | 1/2 | 3,645.70 | 1/2 | 3,348.93 | 1/2 | 2,991.67 | 1/2 | 2,631.58 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,448.43 | 3/4 | 4,191.71 | 3/4 | 3,921.85 | 3/4 | 3,639.71 | 3/4 | 3,342.11 | 3/4 | 2,984.17 | 3/4 | 2,624.08 | | |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4,443.16 | 1 | 4,186.24 | 1 | 3,916.09 | 1 | 3,633.69 | 1 | 3,335.01 | 1 | 2,976.66 | 1 | 2,616.57 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,437.90 | 1/4 | 4,180.76 | 1/4 | 3,910.32 | 1/4 | 3,627.68 | 1/4 | 3,327.91 | 1/4 | 2,969.16 | 1/4 | 2,609.07 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,432.64 | 1/2 | 4,175.28 | 1/2 | 3,904.56 | 1/2 | 3,621.66 | 1/2 | 3,320.81 | 1/2 | 2,961.66 | 1/2 | 2,601.57 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,427.37 | 3/4 | 4,169.80 | 3/4 | 3,898.80 | 3/4 | 3,615.64 | 3/4 | 3,313.72 | 3/4 | 2,954.16 | 3/4 | 2,594.07 | | |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4,422.08 | 2 | 4,164.31 | 2 | 3,893.02 | 2 | 3,609.60 | 2 | 3,306.34 | 2 | 2,946.66 | 2 | 2,586.57 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,416.80 | 1/4 | 4,158.81 | 1/4 | 3,887.24 | 1/4 | 3,603.57 | 1/4 | 3,298.97 | 1/4 | 2,939.16 | 1/4 | 2,579.06 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,411.51 | 1/2 | 4,153.31 | 1/2 | 3,881.45 | 1/2 | 3,597.54 | 1/2 | 3,291.59 | 1/2 | 2,931.66 | 1/2 | 2,571.56 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,406.22 | 3/4 | 4,147.82 | 3/4 | 3,875.67 | 3/4 | 3,591.50 | 3/4 | 3,284.22 | 3/4 | 2,924.16 | 3/4 | 2,564.06 | | |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4,400.95 | 3 | 4,142.26 | 3 | 3,869.87 | 3 | 3,585.45 | 3 | 3,276.72 | 3 | 2,916.65 | 3 | 2,556.56 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,395.68 | 1/4 | 4,136.71 | 1/4 | 3,864.06 | 1/4 | 3,579.39 | 1/4 | 3,269.22 | 1/4 | 2,909.15 | 1/4 | 2,549.05 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,390.41 | 1/2 | 4,131.16 | 1/2 | 3,858.26 | 1/2 | 3,573.34 | 1/2 | 3,261.71 | 1/2 | 2,901.65 | 1/2 | 2,541.55 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,385.15 | 3/4 | 4,125.60 | 3/4 | 3,852.45 | 3/4 | 3,567.29 | 3/4 | 3,254.21 | 3/4 | 2,894.15 | 3/4 | 2,534.05 | | |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4,379.86 | 4 | 4,120.03 | 4 | 3,846.62 | 4 | 3,561.21 | 4 | 3,246.71 | 4 | 2,886.65 | 4 | 2,526.55 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,374.57 | 1/4 | 4,114.45 | 1/4 | 3,840.80 | 1/4 | 3,555.13 | 1/4 | 3,239.21 | 1/4 | 2,879.15 | 1/4 | 2,519.04 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,369.28 | 1/2 | 4,108.87 | 1/2 | 3,834.98 | 1/2 | 3,549.05 | 1/2 | 3,231.71 | 1/2 | 2,871.65 | 1/2 | 2,511.54 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,363.99 | 3/4 | 4,103.30 | 3/4 | 3,829.15 | 3/4 | 3,542.97 | 3/4 | 3,224.21 | 3/4 | 2,864.15 | 3/4 | 2,504.04 | | |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4,358.68 | 5 | 4,097.70 | 5 | 3,823.30 | 5 | 3,536.87 | 5 | 3,216.71 | 5 | 2,856.64 | 5 | 2,496.54 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,353.37 | 1/4 | 4,092.11 | 1/4 | 3,817.45 | 1/4 | 3,530.78 | 1/4 | 3,209.21 | 1/4 | 2,849.14 | 1/4 | 2,489.03 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,348.06 | 1/2 | 4,086.51 | 1/2 | 3,811.60 | 1/2 | 3,524.68 | 1/2 | 3,201.70 | 1/2 | 2,841.64 | 1/2 | 2,481.53 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,342.74 | 3/4 | 4,080.91 | 3/4 | 3,805.75 | 3/4 | 3,518.58 | 3/4 | 3,194.20 | 3/4 | 2,834.14 | 3/4 | 2,474.03 | | |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4,337.41 | 6 | 4,075.29 | 6 | 3,799.88 | 6 | 3,512.47 | 6 | 3,186.70 | 6 | 2,826.64 | 6 | 2,466.53 | | |
| 1/4 | | 1/4 | | 1/4 | 4,597.53 | 1/4 | 4,332.08 | 1/4 | 4,069.67 | 1/4 | 3,794.01 | 1/4 | 3,506.35 | 1/4 | 3,179.20 | 1/4 | 2,819.14 | 1/4 | 2,459.03 | | |
| 1/2 | | 1/2 | | 1/2 | 4,592.93 | 1/2 | 4,326.75 | 1/2 | 4,064.05 | 1/2 | 3,788.15 | 1/2 | 3,500.24 | 1/2 | 3,171.70 | 1/2 | 2,811.64 | 1/2 | 2,451.53 | | |
| 3/4 | | 3/4 | | 3/4 | 4,588.33 | 3/4 | 4,321.42 | 3/4 | 4,058.43 | 3/4 | 3,782.28 | 3/4 | 3,494.12 | 3/4 | 3,164.20 | 3/4 | 2,804.13 | 3/4 | 2,444.03 | | |
| 7 | 7 | 7 | 7 | 7 | 4,582.21 | 7 | 4,316.06 | 7 | 4,052.79 | 7 | 3,776.39 | 7 | 3,488.00 | 7 | 3,156.70 | 7 | 2,796.63 | 7 | 2,436.53 | | |
| 1/4 | | 1/4 | | 1/4 | 4,576.08 | 1/4 | 4,310.71 | 1/4 | 4,047.15 | 1/4 | 3,770.50 | 1/4 | 3,481.87 | 1/4 | 3,149.19 | 1/4 | 2,789.13 | 1/4 | 2,429.04 | | |
| 1/2 | | 1/2 | | 1/2 | 4,569.95 | 1/2 | 4,305.35 | 1/2 | 4,041.51 | 1/2 | 3,764.62 | 1/2 | 3,475.74 | 1/2 | 3,141.69 | 1/2 | 2,781.63 | 1/2 | 2,421.54 | | |
| 3/4 | | 3/4 | | 3/4 | 4,563.83 | 3/4 | 4,300.00 | 3/4 | 4,035.87 | 3/4 | 3,758.73 | 3/4 | 3,469.62 | 3/4 | 3,134.19 | 3/4 | 2,774.13 | 3/4 | 2,414.04 | | |
| 8 | 8 | 8 | 8 | 8 | 4,557.70 | 8 | 4,294.62 | 8 | 4,030.21 | 8 | 3,752.82 | 8 | 3,463.49 | 8 | 3,126.69 | 8 | 2,766.62 | 8 | 2,406.54 | | |
| 1/4 | | 1/4 | | 1/4 | 4,551.57 | 1/4 | 4,289.25 | 1/4 | 4,024.56 | 1/4 | 3,746.91 | 1/4 | 3,457.37 | 1/4 | 3,119.19 | 1/4 | 2,759.12 | 1/4 | 2,399.04 | | |
| 1/2 | | 1/2 | | 1/2 | 4,545.45 | 1/2 | 4,283.88 | 1/2 | 4,018.90 | 1/2 | 3,741.00 | 1/2 | 3,451.24 | 1/2 | 3,111.69 | 1/2 | 2,751.62 | 1/2 | 2,391.54 | | |
| 3/4 | | 3/4 | | 3/4 | 4,539.32 | 3/4 | 4,278.51 | 3/4 | 4,013.24 | 3/4 | 3,735.08 | 3/4 | 3,445.12 | 3/4 | 3,104.19 | 3/4 | 2,744.12 | 3/4 | 2,384.04 | | |
| 9 | 9 | 9 | 9 | 9 | 4,533.19 | 9 | 4,273.11 | 9 | 4,007.56 | 9 | 3,729.15 | 9 | 3,438.99 | 9 | 3,096.69 | 9 | 2,736.61 | 9 | 2,376.54 | | |
| 1/4 | | 1/4 | | 1/4 | 4,527.07 | 1/4 | 4,267.72 | 1/4 | 4,001.87 | 1/4 | 3,723.22 | 1/4 | 3,432.87 | 1/4 | 3,089.18 | 1/4 | 2,729.11 | 1/4 | 2,369.04 | | |
| 1/2 | | 1/2 | | 1/2 | 4,520.94 | 1/2 | 4,262.33 | 1/2 | 3,996.19 | 1/2 | 3,717.30 | 1/2 | 3,426.74 | 1/2 | 3,081.68 | 1/2 | 2,721.61 | 1/2 | 2,361.55 | | |
| 3/4 | | 3/4 | | 3/4 | 4,514.81 | 3/4 | 4,256.94 | 3/4 | 3,990.51 | 3/4 | 3,711.37 | 3/4 | 3,420.62 | 3/4 | 3,074.18 | 3/4 | 2,714.11 | 3/4 | 2,354.05 | | |
| 10 | 10 | 10 | 10 | 10 | 4,508.69 | 10 | 4,251.52 | 10 | 3,984.81 | 10 | 3,705.42 | 10 | 3,414.35 | 10 | 3,066.68 | 10 | 2,706.60 | 10 | 2,346.55 | | |
| 1/4 | | 1/4 | | 1/4 | 4,502.56 | 1/4 | 4,246.10 | 1/4 | 3,979.11 | 1/4 | 3,699.47 | 1/4 | 3,408.09 | 1/4 | 3,059.18 | 1/4 | 2,699.10 | 1/4 | 2,339.05 | | |
| 1/2 | | 1/2 | | 1/2 | 4,496.43 | 1/2 | 4,240.69 | 1/2 | 3,973.41 | 1/2 | 3,693.52 | 1/2 | 3,401.82 | 1/2 | 3,051.68 | 1/2 | 2,691.60 | 1/2 | 2,331.55 | | |
| 3/4 | | 3/4 | | 3/4 | 4,490.31 | 3/4 | 4,235.27 | 3/4 | 3,967.71 | 3/4 | 3,687.57 | 3/4 | 3,395.56 | 3/4 | 3,044.18 | 3/4 | 2,684.10 | 3/4 | 2,324.05 | | |
| 11 | 11 | 11 | 11 | 11 | 4,485.08 | 11 | 4,229.83 | 11 | 3,961.99 | 11 | 3,681.60 | 11 | 3,389.02 | 11 | 3,036.68 | 11 | 2,676.59 | 11 | 2,316.55 | | |
| 1/4 | | 1/4 | | 1/4 | 4,479.86 | 1/4 | 4,224.40 | 1/4 | 3,956.27 | 1/4 | 3,675.62 | 1/4 | 3,382.48 | 1/4 | 3,029.17 | 1/4 | 2,669.09 | 1/4 | 2,309.05 | | |
| 1/2 | | 1/2 | | 1/2 | 4,474.63 | 1/2 | 4,218.97 | 1/2 | 3,950.55 | 1/2 | 3,669.65 | 1/2 | 3,375.93 | 1/2 | 3,021.67 | 1/2 | 2,661.59 | 1/2 | 2,301.55 | | |
| 3/4 | | 3/4 | | 3/4 | 4,469.40 | 3/4 | 4,213.53 | 3/4 | 3,944.83 | 3/4 | 3,663.68 | 3/4 | 3,369.39 | 3/4 | 3,014.17 | 3/4 | 2,654.09 | 3/4 | 2,294.06 | | |

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 40'-06" 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 28143"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

| 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | | 16 FT. | | 17 FT. | | 18 FT. | | 19 FT. | |
|--------|----------|--------|----------|--------|----------|--------|----------|--------|--------|--------|--------|--------|--------|--------|-----|--------|--|--------|--|
| 0 | 2,286.55 | 0 | 1,927.77 | 0 | 1,569.39 | 0 | 1,209.36 | 0 | 855.97 | 0 | 503.36 | 0 | 143.25 | 0 | | 0 | | 0 | |
| 1/4 | 2,279.05 | 1/4 | 1,920.34 | 1/4 | 1,561.88 | 1/4 | 1,201.99 | 1/4 | 848.60 | 1/4 | 495.92 | 1/4 | 135.73 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 2,271.55 | 1/2 | 1,912.90 | 1/2 | 1,554.38 | 1/2 | 1,194.63 | 1/2 | 841.23 | 1/2 | 488.49 | 1/2 | 128.22 | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 2,264.04 | 3/4 | 1,905.46 | 3/4 | 1,546.88 | 3/4 | 1,187.26 | 3/4 | 833.87 | 3/4 | 481.05 | 3/4 | 120.70 | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 1 | 2,256.54 | 1 | 1,898.02 | 1 | 1,539.37 | 1 | 1,179.89 | 1 | 826.50 | 1 | 473.55 | 1 | 113.18 | 1 | 1 | 1 | | 1 | |
| 1/4 | 2,249.04 | 1/4 | 1,890.59 | 1/4 | 1,531.87 | 1/4 | 1,172.53 | 1/4 | 819.14 | 1/4 | 466.04 | 1/4 | 105.67 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 2,241.53 | 1/2 | 1,883.15 | 1/2 | 1,524.37 | 1/2 | 1,165.16 | 1/2 | 811.78 | 1/2 | 458.54 | 1/2 | 98.15 | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 2,234.03 | 3/4 | 1,875.71 | 3/4 | 1,516.86 | 3/4 | 1,157.79 | 3/4 | 804.41 | 3/4 | 451.03 | 3/4 | 90.64 | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 2 | 2,226.53 | 2 | 1,868.27 | 2 | 1,509.36 | 2 | 1,150.42 | 2 | 797.07 | 2 | 443.53 | 2 | 83.12 | 2 | 2 | 2 | | 2 | |
| 1/4 | 2,219.02 | 1/4 | 1,860.84 | 1/4 | 1,501.86 | 1/4 | 1,143.06 | 1/4 | 789.72 | 1/4 | 436.02 | 1/4 | 75.60 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 2,211.52 | 1/2 | 1,853.40 | 1/2 | 1,494.35 | 1/2 | 1,135.69 | 1/2 | 782.37 | 1/2 | 428.52 | 1/2 | 68.09 | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 2,204.02 | 3/4 | 1,845.96 | 3/4 | 1,486.85 | 3/4 | 1,128.32 | 3/4 | 775.02 | 3/4 | 421.01 | 3/4 | 60.57 | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 3 | 2,196.51 | 3 | 1,838.52 | 3 | 1,479.35 | 3 | 1,120.96 | 3 | 767.69 | 3 | 413.51 | 3 | 53.99 | 3 | 3 | 3 | | 3 | |
| 1/4 | 2,189.01 | 1/4 | 1,831.08 | 1/4 | 1,471.84 | 1/4 | 1,113.59 | 1/4 | 760.36 | 1/4 | 406.01 | 1/4 | 47.42 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 2,181.51 | 1/2 | 1,823.65 | 1/2 | 1,464.34 | 1/2 | 1,106.22 | 1/2 | 753.02 | 1/2 | 398.50 | 1/2 | 40.84 | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 2,174.00 | 3/4 | 1,816.21 | 3/4 | 1,456.84 | 3/4 | 1,098.86 | 3/4 | 745.69 | 3/4 | 391.00 | 3/4 | 34.26 | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 4 | 2,166.50 | 4 | 1,808.77 | 4 | 1,449.33 | 4 | 1,091.50 | 4 | 738.36 | 4 | 383.49 | 4 | 29.57 | 4 | 4 | 4 | | 4 | |
| 1/4 | 2,159.00 | 1/4 | 1,801.33 | 1/4 | 1,441.83 | 1/4 | 1,084.14 | 1/4 | 731.02 | 1/4 | 375.99 | 1/4 | 24.87 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 2,151.49 | 1/2 | 1,793.90 | 1/2 | 1,434.33 | 1/2 | 1,076.77 | 1/2 | 723.69 | 1/2 | 368.48 | 1/2 | 20.17 | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 2,143.99 | 3/4 | 1,786.46 | 3/4 | 1,426.82 | 3/4 | 1,069.41 | 3/4 | 716.35 | 3/4 | 360.98 | 3/4 | 15.47 | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 5 | 2,136.49 | 5 | 1,779.02 | 5 | 1,419.32 | 5 | 1,062.05 | 5 | 709.02 | 5 | 353.47 | 5 | | 5 | 5 | 5 | | 5 | |
| 1/4 | 2,128.98 | 1/4 | 1,771.58 | 1/4 | 1,411.82 | 1/4 | 1,054.69 | 1/4 | 701.68 | 1/4 | 345.97 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 2,121.48 | 1/2 | 1,764.15 | 1/2 | 1,404.31 | 1/2 | 1,047.33 | 1/2 | 694.35 | 1/2 | 338.47 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 2,113.98 | 3/4 | 1,756.71 | 3/4 | 1,396.81 | 3/4 | 1,039.97 | 3/4 | 687.01 | 3/4 | 330.96 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 6 | 2,106.47 | 6 | 1,749.27 | 6 | 1,389.31 | 6 | 1,032.61 | 6 | 679.68 | 6 | 323.46 | 6 | | 6 | 6 | 6 | | 6 | |
| 1/4 | 2,098.97 | 1/4 | 1,741.83 | 1/4 | 1,381.80 | 1/4 | 1,025.25 | 1/4 | 672.34 | 1/4 | 315.95 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 2,091.47 | 1/2 | 1,734.40 | 1/2 | 1,374.30 | 1/2 | 1,017.89 | 1/2 | 665.01 | 1/2 | 308.45 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 2,083.96 | 3/4 | 1,726.96 | 3/4 | 1,366.80 | 3/4 | 1,010.53 | 3/4 | 657.67 | 3/4 | 300.94 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 7 | 2,076.53 | 7 | 1,719.46 | 7 | 1,359.29 | 7 | 1,003.17 | 7 | 650.34 | 7 | 293.44 | 7 | | 7 | 7 | 7 | | 7 | |
| 1/4 | 2,069.09 | 1/4 | 1,711.95 | 1/4 | 1,351.79 | 1/4 | 995.81 | 1/4 | 643.00 | 1/4 | 285.94 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 2,061.65 | 1/2 | 1,704.45 | 1/2 | 1,344.29 | 1/2 | 988.45 | 1/2 | 635.66 | 1/2 | 278.43 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 2,054.21 | 3/4 | 1,696.94 | 3/4 | 1,336.78 | 3/4 | 981.09 | 3/4 | 628.33 | 3/4 | 270.93 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 8 | 2,046.78 | 8 | 1,689.44 | 8 | 1,329.28 | 8 | 973.73 | 8 | 620.99 | 8 | 263.42 | 8 | | 8 | 8 | 8 | | 8 | |
| 1/4 | 2,039.34 | 1/4 | 1,681.94 | 1/4 | 1,321.77 | 1/4 | 966.37 | 1/4 | 613.66 | 1/4 | 255.92 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 2,031.90 | 1/2 | 1,674.43 | 1/2 | 1,314.27 | 1/2 | 959.01 | 1/2 | 606.32 | 1/2 | 248.41 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 2,024.46 | 3/4 | 1,666.93 | 3/4 | 1,306.77 | 3/4 | 951.65 | 3/4 | 598.99 | 3/4 | 240.91 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 9 | 2,017.02 | 9 | 1,659.43 | 9 | 1,299.26 | 9 | 944.29 | 9 | 591.65 | 9 | 233.40 | 9 | | 9 | 9 | 9 | | 9 | |
| 1/4 | 2,009.59 | 1/4 | 1,651.92 | 1/4 | 1,291.76 | 1/4 | 936.93 | 1/4 | 584.32 | 1/4 | 225.90 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 2,002.15 | 1/2 | 1,644.42 | 1/2 | 1,284.26 | 1/2 | 929.57 | 1/2 | 576.98 | 1/2 | 218.40 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,994.71 | 3/4 | 1,636.92 | 3/4 | 1,276.75 | 3/4 | 922.21 | 3/4 | 569.65 | 3/4 | 210.89 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 10 | 1,987.27 | 10 | 1,629.41 | 10 | 1,269.25 | 10 | 914.85 | 10 | 562.30 | 10 | 203.38 | 10 | | 10 | 10 | 10 | | 10 | |
| 1/4 | 1,979.84 | 1/4 | 1,621.91 | 1/4 | 1,261.75 | 1/4 | 907.49 | 1/4 | 554.95 | 1/4 | 195.86 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,972.40 | 1/2 | 1,614.41 | 1/2 | 1,254.24 | 1/2 | 900.13 | 1/2 | 547.60 | 1/2 | 188.34 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,964.96 | 3/4 | 1,606.90 | 3/4 | 1,246.74 | 3/4 | 892.77 | 3/4 | 540.25 | 3/4 | 180.83 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 11 | 1,957.52 | 11 | 1,599.40 | 11 | 1,239.24 | 11 | 885.41 | 11 | 532.89 | 11 | 173.31 | 11 | | 11 | 11 | 11 | | 11 | |
| 1/4 | 1,950.09 | 1/4 | 1,591.90 | 1/4 | 1,231.73 | 1/4 | 878.05 | 1/4 | 525.52 | 1/4 | 165.80 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,942.65 | 1/2 | 1,584.39 | 1/2 | 1,224.23 | 1/2 | 870.69 | 1/2 | 518.16 | 1/2 | 158.28 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,935.21 | 3/4 | 1,576.89 | 3/4 | 1,216.73 | 3/4 | 863.33 | 3/4 | 510.79 | 3/4 | 150.76 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |

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