



BARGE "KIRBY 11012B"

ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 183'-00"

April 1, 2010

PRECISION MEASUREMENT
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BARGE "KIRBY 11012B"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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 | 4,098.75 | 0 | 3,807.83 | 0 | 3,500.61 | 0 | 3,193.39 | 0 | 2,885.68 | 0 | 2,577.05 | 0 | 2,268.43 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,095.53 | 1/4 | 3,801.43 | 1/4 | 3,494.21 | 1/4 | 3,186.99 | 1/4 | 2,879.25 | 1/4 | 2,570.62 | 1/4 | 2,262.00 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,092.31 | 1/2 | 3,795.03 | 1/2 | 3,487.81 | 1/2 | 3,180.59 | 1/2 | 2,872.82 | 1/2 | 2,564.19 | 1/2 | 2,255.57 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,089.10 | 3/4 | 3,788.63 | 3/4 | 3,481.41 | 3/4 | 3,174.19 | 3/4 | 2,866.39 | 3/4 | 2,557.76 | 3/4 | 2,249.14 |
| 1 | | 1 | | 1 | | 1 | 4,083.74 | 1 | 3,782.23 | 1 | 3,475.01 | 1 | 3,167.79 | 1 | 2,859.96 | 1 | 2,551.33 | 1 | 2,242.71 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,078.38 | 1/4 | 3,775.83 | 1/4 | 3,468.61 | 1/4 | 3,161.39 | 1/4 | 2,853.53 | 1/4 | 2,544.90 | 1/4 | 2,236.28 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,073.02 | 1/2 | 3,769.43 | 1/2 | 3,462.21 | 1/2 | 3,154.99 | 1/2 | 2,847.10 | 1/2 | 2,538.47 | 1/2 | 2,229.85 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,067.66 | 3/4 | 3,763.03 | 3/4 | 3,455.81 | 3/4 | 3,148.59 | 3/4 | 2,840.67 | 3/4 | 2,532.04 | 3/4 | 2,223.42 |
| 2 | | 2 | | 2 | | 2 | 4,061.41 | 2 | 3,756.63 | 2 | 3,449.41 | 2 | 3,142.19 | 2 | 2,834.24 | 2 | 2,525.61 | 2 | 2,216.99 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,055.15 | 1/4 | 3,750.23 | 1/4 | 3,443.01 | 1/4 | 3,135.79 | 1/4 | 2,827.81 | 1/4 | 2,519.18 | 1/4 | 2,210.56 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,048.90 | 1/2 | 3,743.83 | 1/2 | 3,436.61 | 1/2 | 3,129.39 | 1/2 | 2,821.38 | 1/2 | 2,512.75 | 1/2 | 2,204.13 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,042.65 | 3/4 | 3,737.43 | 3/4 | 3,430.21 | 3/4 | 3,122.99 | 3/4 | 2,814.95 | 3/4 | 2,506.33 | 3/4 | 2,197.70 |
| 3 | | 3 | | 3 | | 3 | 4,036.36 | 3 | 3,731.03 | 3 | 3,423.81 | 3 | 3,116.59 | 3 | 2,808.52 | 3 | 2,499.90 | 3 | 2,191.27 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,030.07 | 1/4 | 3,724.63 | 1/4 | 3,417.41 | 1/4 | 3,110.19 | 1/4 | 2,802.09 | 1/4 | 2,493.47 | 1/4 | 2,184.84 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,023.78 | 1/2 | 3,718.23 | 1/2 | 3,411.01 | 1/2 | 3,103.79 | 1/2 | 2,795.66 | 1/2 | 2,487.04 | 1/2 | 2,178.41 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,017.49 | 3/4 | 3,711.83 | 3/4 | 3,404.61 | 3/4 | 3,097.39 | 3/4 | 2,789.23 | 3/4 | 2,480.61 | 3/4 | 2,171.98 |
| 4 | | 4 | | 4 | | 4 | 4,011.18 | 4 | 3,705.43 | 4 | 3,398.21 | 4 | 3,090.99 | 4 | 2,782.80 | 4 | 2,474.18 | 4 | 2,165.55 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,004.88 | 1/4 | 3,699.03 | 1/4 | 3,391.81 | 1/4 | 3,084.59 | 1/4 | 2,776.37 | 1/4 | 2,467.75 | 1/4 | 2,159.12 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,998.57 | 1/2 | 3,692.63 | 1/2 | 3,385.41 | 1/2 | 3,078.19 | 1/2 | 2,769.94 | 1/2 | 2,461.32 | 1/2 | 2,152.69 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,992.27 | 3/4 | 3,686.23 | 3/4 | 3,379.01 | 3/4 | 3,071.79 | 3/4 | 2,763.51 | 3/4 | 2,454.89 | 3/4 | 2,146.26 |
| 5 | | 5 | | 5 | | 5 | 3,985.96 | 5 | 3,679.83 | 5 | 3,372.61 | 5 | 3,065.39 | 5 | 2,757.08 | 5 | 2,448.46 | 5 | 2,139.83 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,979.66 | 1/4 | 3,673.42 | 1/4 | 3,366.21 | 1/4 | 3,058.99 | 1/4 | 2,750.65 | 1/4 | 2,442.03 | 1/4 | 2,133.40 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,973.35 | 1/2 | 3,667.02 | 1/2 | 3,359.81 | 1/2 | 3,052.59 | 1/2 | 2,744.22 | 1/2 | 2,435.60 | 1/2 | 2,126.97 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,967.05 | 3/4 | 3,660.62 | 3/4 | 3,353.40 | 3/4 | 3,046.19 | 3/4 | 2,737.79 | 3/4 | 2,429.17 | 3/4 | 2,120.54 |
| 6 | | 6 | | 6 | | 6 | 3,960.75 | 6 | 3,654.22 | 6 | 3,347.00 | 6 | 3,039.79 | 6 | 2,731.36 | 6 | 2,422.74 | 6 | 2,114.11 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,954.45 | 1/4 | 3,647.82 | 1/4 | 3,340.60 | 1/4 | 3,033.38 | 1/4 | 2,724.93 | 1/4 | 2,416.31 | 1/4 | 2,107.68 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,948.15 | 1/2 | 3,641.42 | 1/2 | 3,334.20 | 1/2 | 3,026.98 | 1/2 | 2,718.51 | 1/2 | 2,409.88 | 1/2 | 2,101.25 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,941.84 | 3/4 | 3,635.02 | 3/4 | 3,327.80 | 3/4 | 3,020.58 | 3/4 | 2,712.08 | 3/4 | 2,403.45 | 3/4 | 2,094.82 |
| 7 | | 7 | | 7 | | 7 | 3,935.54 | 7 | 3,628.62 | 7 | 3,321.40 | 7 | 3,014.18 | 7 | 2,705.65 | 7 | 2,397.02 | 7 | 2,088.39 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,929.24 | 1/4 | 3,622.22 | 1/4 | 3,315.00 | 1/4 | 3,007.78 | 1/4 | 2,699.22 | 1/4 | 2,390.59 | 1/4 | 2,081.96 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,922.94 | 1/2 | 3,615.82 | 1/2 | 3,308.60 | 1/2 | 3,001.38 | 1/2 | 2,692.79 | 1/2 | 2,384.16 | 1/2 | 2,075.54 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,916.64 | 3/4 | 3,609.42 | 3/4 | 3,302.20 | 3/4 | 2,994.98 | 3/4 | 2,686.36 | 3/4 | 2,377.73 | 3/4 | 2,069.11 |
| 8 | | 8 | | 8 | | 8 | 3,910.24 | 8 | 3,603.02 | 8 | 3,295.80 | 8 | 2,988.55 | 8 | 2,679.93 | 8 | 2,371.30 | 8 | 2,062.68 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,903.84 | 1/4 | 3,596.62 | 1/4 | 3,289.40 | 1/4 | 2,982.12 | 1/4 | 2,673.50 | 1/4 | 2,364.87 | 1/4 | 2,056.25 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,897.44 | 1/2 | 3,590.22 | 1/2 | 3,283.00 | 1/2 | 2,975.69 | 1/2 | 2,667.07 | 1/2 | 2,358.44 | 1/2 | 2,049.82 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,891.04 | 3/4 | 3,583.82 | 3/4 | 3,276.60 | 3/4 | 2,969.26 | 3/4 | 2,660.64 | 3/4 | 2,352.01 | 3/4 | 2,043.39 |
| 9 | | 9 | | 9 | | 9 | 3,884.64 | 9 | 3,577.42 | 9 | 3,270.20 | 9 | 2,962.83 | 9 | 2,654.21 | 9 | 2,345.58 | 9 | 2,036.96 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,878.24 | 1/4 | 3,571.02 | 1/4 | 3,263.80 | 1/4 | 2,956.40 | 1/4 | 2,647.78 | 1/4 | 2,339.15 | 1/4 | 2,030.53 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,871.84 | 1/2 | 3,564.62 | 1/2 | 3,257.40 | 1/2 | 2,949.97 | 1/2 | 2,641.35 | 1/2 | 2,332.72 | 1/2 | 2,024.10 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,865.44 | 3/4 | 3,558.22 | 3/4 | 3,251.00 | 3/4 | 2,943.54 | 3/4 | 2,634.92 | 3/4 | 2,326.29 | 3/4 | 2,017.67 |
| 10 | | 10 | | 10 | | 10 | 3,859.04 | 10 | 3,551.82 | 10 | 3,244.60 | 10 | 2,937.12 | 10 | 2,628.49 | 10 | 2,319.86 | 10 | 2,011.24 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,852.64 | 1/4 | 3,545.42 | 1/4 | 3,238.20 | 1/4 | 2,930.69 | 1/4 | 2,622.06 | 1/4 | 2,313.43 | 1/4 | 2,004.81 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,846.24 | 1/2 | 3,539.02 | 1/2 | 3,231.80 | 1/2 | 2,924.26 | 1/2 | 2,615.63 | 1/2 | 2,307.00 | 1/2 | 1,998.38 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,839.84 | 3/4 | 3,532.62 | 3/4 | 3,225.40 | 3/4 | 2,917.83 | 3/4 | 2,609.20 | 3/4 | 2,300.57 | 3/4 | 1,991.95 |
| 11 | | 11 | | 11 | | 11 | 3,833.43 | 11 | 3,526.22 | 11 | 3,219.00 | 11 | 2,911.40 | 11 | 2,602.77 | 11 | 2,294.14 | 11 | 1,985.52 |
| 1/4 | | 1/4 | | 1/4 | 4,104.11 | 1/4 | 3,827.03 | 1/4 | 3,519.82 | 1/4 | 3,212.60 | 1/4 | 2,904.97 | 1/4 | 2,596.34 | 1/4 | 2,287.72 | 1/4 | 1,979.09 |
| 1/2 | | 1/2 | | 1/2 | 4,103.03 | 1/2 | 3,820.63 | 1/2 | 3,513.41 | 1/2 | 3,206.20 | 1/2 | 2,898.54 | 1/2 | 2,589.91 | 1/2 | 2,281.29 | 1/2 | 1,972.66 |
| 3/4 | | 3/4 | | 3/4 | 4,101.96 | 3/4 | 3,814.23 | 3/4 | 3,507.01 | 3/4 | 3,199.80 | 3/4 | 2,892.11 | 3/4 | 2,583.48 | 3/4 | 2,274.86 | 3/4 | 1,966.23 |

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 ON CENTERLINE AND 32'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "KIRBY 11012B"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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 | 1,959.80 | 0 | 1,651.17 | 0 | 1,342.38 | 0 | 1,034.50 | 0 | 726.44 | 0 | 417.67 | 0 | 109.04 | 0 | | 0 | | 0 | |
| 1/4 | 1,953.37 | 1/4 | 1,644.74 | 1/4 | 1,335.95 | 1/4 | 1,028.10 | 1/4 | 720.00 | 1/4 | 411.23 | 1/4 | 102.65 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,946.94 | 1/2 | 1,638.31 | 1/2 | 1,329.52 | 1/2 | 1,021.71 | 1/2 | 713.57 | 1/2 | 404.80 | 1/2 | 96.26 | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,940.51 | 3/4 | 1,631.87 | 3/4 | 1,323.08 | 3/4 | 1,015.31 | 3/4 | 707.14 | 3/4 | 398.37 | 3/4 | 89.87 | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 1 | 1,934.08 | 1 | 1,625.44 | 1 | 1,316.65 | 1 | 1,008.91 | 1 | 700.71 | 1 | 391.94 | 1 | 83.51 | 1 | 1 | 1 | | 1 | |
| 1/4 | 1,927.65 | 1/4 | 1,619.01 | 1/4 | 1,310.22 | 1/4 | 1,002.52 | 1/4 | 694.27 | 1/4 | 385.50 | 1/4 | 77.15 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,921.22 | 1/2 | 1,612.57 | 1/2 | 1,303.78 | 1/2 | 996.12 | 1/2 | 687.84 | 1/2 | 379.07 | 1/2 | 70.79 | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,914.79 | 3/4 | 1,606.14 | 3/4 | 1,297.35 | 3/4 | 989.72 | 3/4 | 681.41 | 3/4 | 372.64 | 3/4 | 64.43 | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 2 | 1,908.36 | 2 | 1,599.71 | 2 | 1,290.92 | 2 | 983.33 | 2 | 674.97 | 2 | 366.20 | 2 | 58.13 | 2 | 2 | 2 | | 2 | |
| 1/4 | 1,901.93 | 1/4 | 1,593.27 | 1/4 | 1,284.48 | 1/4 | 976.93 | 1/4 | 668.54 | 1/4 | 359.77 | 1/4 | 51.84 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,895.50 | 1/2 | 1,586.84 | 1/2 | 1,278.05 | 1/2 | 970.53 | 1/2 | 662.11 | 1/2 | 353.34 | 1/2 | 45.54 | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,889.07 | 3/4 | 1,580.41 | 3/4 | 1,271.62 | 3/4 | 964.14 | 3/4 | 655.68 | 3/4 | 346.91 | 3/4 | 39.24 | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 3 | 1,882.64 | 3 | 1,573.97 | 3 | 1,265.19 | 3 | 957.75 | 3 | 649.24 | 3 | 340.47 | 3 | 33.88 | 3 | 3 | 3 | | 3 | |
| 1/4 | 1,876.21 | 1/4 | 1,567.54 | 1/4 | 1,258.75 | 1/4 | 951.35 | 1/4 | 642.81 | 1/4 | 334.04 | 1/4 | 28.53 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,869.78 | 1/2 | 1,561.11 | 1/2 | 1,252.32 | 1/2 | 944.96 | 1/2 | 636.38 | 1/2 | 327.61 | 1/2 | 23.18 | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,863.36 | 3/4 | 1,554.68 | 3/4 | 1,245.89 | 3/4 | 938.57 | 3/4 | 629.95 | 3/4 | 321.18 | 3/4 | 17.83 | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 4 | 1,856.93 | 4 | 1,548.24 | 4 | 1,239.45 | 4 | 932.14 | 4 | 623.51 | 4 | 314.74 | 4 | 14.61 | 4 | 4 | 4 | | 4 | |
| 1/4 | 1,850.50 | 1/4 | 1,541.81 | 1/4 | 1,233.02 | 1/4 | 925.72 | 1/4 | 617.08 | 1/4 | 308.31 | 1/4 | 11.40 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,844.07 | 1/2 | 1,535.38 | 1/2 | 1,226.59 | 1/2 | 919.29 | 1/2 | 610.65 | 1/2 | 301.88 | 1/2 | 8.18 | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,837.64 | 3/4 | 1,528.94 | 3/4 | 1,220.15 | 3/4 | 912.86 | 3/4 | 604.21 | 3/4 | 295.45 | 3/4 | 4.97 | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 5 | 1,831.21 | 5 | 1,522.51 | 5 | 1,213.72 | 5 | 906.43 | 5 | 597.78 | 5 | 289.01 | 5 | 3.89 | 5 | 5 | 5 | | 5 | |
| 1/4 | 1,824.78 | 1/4 | 1,516.08 | 1/4 | 1,207.29 | 1/4 | 900.00 | 1/4 | 591.35 | 1/4 | 282.58 | 1/4 | 2.82 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,818.35 | 1/2 | 1,509.64 | 1/2 | 1,200.85 | 1/2 | 893.58 | 1/2 | 584.92 | 1/2 | 276.15 | 1/2 | 1.75 | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,811.92 | 3/4 | 1,503.21 | 3/4 | 1,194.42 | 3/4 | 887.15 | 3/4 | 578.48 | 3/4 | 269.71 | 3/4 | 0.68 | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 6 | 1,805.49 | 6 | 1,496.78 | 6 | 1,188.02 | 6 | 880.72 | 6 | 572.05 | 6 | 263.28 | 6 | | 6 | 6 | 6 | | 6 | |
| 1/4 | 1,799.06 | 1/4 | 1,490.34 | 1/4 | 1,181.63 | 1/4 | 874.29 | 1/4 | 565.62 | 1/4 | 256.85 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,792.63 | 1/2 | 1,483.91 | 1/2 | 1,175.23 | 1/2 | 867.87 | 1/2 | 559.19 | 1/2 | 250.42 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,786.20 | 3/4 | 1,477.48 | 3/4 | 1,168.83 | 3/4 | 861.44 | 3/4 | 552.75 | 3/4 | 243.98 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 7 | 1,779.77 | 7 | 1,471.04 | 7 | 1,162.44 | 7 | 855.01 | 7 | 546.32 | 7 | 237.55 | 7 | | 7 | 7 | 7 | | 7 | |
| 1/4 | 1,773.34 | 1/4 | 1,464.61 | 1/4 | 1,156.04 | 1/4 | 848.58 | 1/4 | 539.89 | 1/4 | 231.12 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,766.91 | 1/2 | 1,458.18 | 1/2 | 1,149.64 | 1/2 | 842.15 | 1/2 | 533.45 | 1/2 | 224.69 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,760.48 | 3/4 | 1,451.75 | 3/4 | 1,143.25 | 3/4 | 835.73 | 3/4 | 527.02 | 3/4 | 218.25 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 8 | 1,754.05 | 8 | 1,445.31 | 8 | 1,136.85 | 8 | 829.30 | 8 | 520.59 | 8 | 211.82 | 8 | | 8 | 8 | 8 | | 8 | |
| 1/4 | 1,747.62 | 1/4 | 1,438.88 | 1/4 | 1,130.45 | 1/4 | 822.87 | 1/4 | 514.16 | 1/4 | 205.39 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,741.19 | 1/2 | 1,432.45 | 1/2 | 1,124.06 | 1/2 | 816.44 | 1/2 | 507.72 | 1/2 | 198.95 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,734.76 | 3/4 | 1,426.01 | 3/4 | 1,117.66 | 3/4 | 810.02 | 3/4 | 501.29 | 3/4 | 192.52 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 9 | 1,728.33 | 9 | 1,419.58 | 9 | 1,111.26 | 9 | 803.59 | 9 | 494.86 | 9 | 186.09 | 9 | | 9 | 9 | 9 | | 9 | |
| 1/4 | 1,721.90 | 1/4 | 1,413.15 | 1/4 | 1,104.87 | 1/4 | 797.16 | 1/4 | 488.43 | 1/4 | 179.66 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,715.47 | 1/2 | 1,406.71 | 1/2 | 1,098.47 | 1/2 | 790.73 | 1/2 | 481.99 | 1/2 | 173.23 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,709.04 | 3/4 | 1,400.28 | 3/4 | 1,092.07 | 3/4 | 784.30 | 3/4 | 475.56 | 3/4 | 166.79 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 10 | 1,702.61 | 10 | 1,393.85 | 10 | 1,085.68 | 10 | 777.88 | 10 | 469.13 | 10 | 160.37 | 10 | | 10 | 10 | 10 | | 10 | |
| 1/4 | 1,696.18 | 1/4 | 1,387.41 | 1/4 | 1,079.28 | 1/4 | 771.45 | 1/4 | 462.70 | 1/4 | 153.94 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,689.75 | 1/2 | 1,380.98 | 1/2 | 1,072.88 | 1/2 | 765.02 | 1/2 | 456.26 | 1/2 | 147.52 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,683.32 | 3/4 | 1,374.55 | 3/4 | 1,066.49 | 3/4 | 758.60 | 3/4 | 449.83 | 3/4 | 141.09 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 11 | 1,676.89 | 11 | 1,368.12 | 11 | 1,060.09 | 11 | 752.16 | 11 | 443.40 | 11 | 134.68 | 11 | | 11 | 11 | 11 | | 11 | |
| 1/4 | 1,670.46 | 1/4 | 1,361.68 | 1/4 | 1,053.69 | 1/4 | 745.73 | 1/4 | 436.96 | 1/4 | 128.26 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,664.03 | 1/2 | 1,355.25 | 1/2 | 1,047.30 | 1/2 | 739.30 | 1/2 | 430.53 | 1/2 | 121.85 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,657.60 | 3/4 | 1,348.82 | 3/4 | 1,040.90 | 3/4 | 732.87 | 3/4 | 424.10 | 3/4 | 115.44 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/31/2010 CL - SW
CALCULATED: 04/01/2010 CL
PRINTED: 04/01/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2010

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



BARGE "KIRBY 11012B"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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 | 3,927.65 | 0 | 3,648.70 | 0 | 3,354.01 | 0 | 3,059.32 | 0 | 2,764.13 | 0 | 2,468.05 | 0 | 2,171.97 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,924.56 | 1/4 | 3,642.56 | 1/4 | 3,347.87 | 1/4 | 3,053.18 | 1/4 | 2,757.97 | 1/4 | 2,461.88 | 1/4 | 2,165.80 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,921.47 | 1/2 | 3,636.42 | 1/2 | 3,341.73 | 1/2 | 3,047.04 | 1/2 | 2,751.80 | 1/2 | 2,455.71 | 1/2 | 2,159.63 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,918.39 | 3/4 | 3,630.28 | 3/4 | 3,335.59 | 3/4 | 3,040.90 | 3/4 | 2,745.63 | 3/4 | 2,449.55 | 3/4 | 2,153.46 |
| 1 | | 1 | | 1 | | 1 | 3,913.25 | 1 | 3,624.14 | 1 | 3,329.45 | 1 | 3,034.76 | 1 | 2,739.46 | 1 | 2,443.38 | 1 | 2,147.29 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,908.11 | 1/4 | 3,618.00 | 1/4 | 3,323.31 | 1/4 | 3,028.62 | 1/4 | 2,733.29 | 1/4 | 2,437.21 | 1/4 | 2,141.13 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,902.96 | 1/2 | 3,611.86 | 1/2 | 3,317.17 | 1/2 | 3,022.48 | 1/2 | 2,727.12 | 1/2 | 2,431.04 | 1/2 | 2,134.96 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,897.82 | 3/4 | 3,605.73 | 3/4 | 3,311.03 | 3/4 | 3,016.34 | 3/4 | 2,720.96 | 3/4 | 2,424.87 | 3/4 | 2,128.79 |
| 2 | | 2 | | 2 | | 2 | 3,891.83 | 2 | 3,599.59 | 2 | 3,304.89 | 2 | 3,010.20 | 2 | 2,714.79 | 2 | 2,418.70 | 2 | 2,122.62 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,885.83 | 1/4 | 3,593.45 | 1/4 | 3,298.76 | 1/4 | 3,004.06 | 1/4 | 2,708.62 | 1/4 | 2,412.54 | 1/4 | 2,116.45 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,879.84 | 1/2 | 3,587.31 | 1/2 | 3,292.62 | 1/2 | 2,997.92 | 1/2 | 2,702.45 | 1/2 | 2,406.37 | 1/2 | 2,110.28 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,873.85 | 3/4 | 3,581.17 | 3/4 | 3,286.48 | 3/4 | 2,991.79 | 3/4 | 2,696.28 | 3/4 | 2,400.20 | 3/4 | 2,104.12 |
| 3 | | 3 | | 3 | | 3 | 3,867.82 | 3 | 3,575.03 | 3 | 3,280.34 | 3 | 2,985.65 | 3 | 2,690.11 | 3 | 2,394.03 | 3 | 2,097.95 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,861.79 | 1/4 | 3,568.89 | 1/4 | 3,274.20 | 1/4 | 2,979.51 | 1/4 | 2,683.95 | 1/4 | 2,387.86 | 1/4 | 2,091.78 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,855.76 | 1/2 | 3,562.75 | 1/2 | 3,268.06 | 1/2 | 2,973.37 | 1/2 | 2,677.78 | 1/2 | 2,381.69 | 1/2 | 2,085.61 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,849.73 | 3/4 | 3,556.61 | 3/4 | 3,261.92 | 3/4 | 2,967.23 | 3/4 | 2,671.61 | 3/4 | 2,375.53 | 3/4 | 2,079.44 |
| 4 | | 4 | | 4 | | 4 | 3,843.69 | 4 | 3,550.47 | 4 | 3,255.78 | 4 | 2,961.09 | 4 | 2,665.44 | 4 | 2,369.36 | 4 | 2,073.27 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,837.65 | 1/4 | 3,544.33 | 1/4 | 3,249.64 | 1/4 | 2,954.95 | 1/4 | 2,659.27 | 1/4 | 2,363.19 | 1/4 | 2,067.11 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,831.61 | 1/2 | 3,538.19 | 1/2 | 3,243.50 | 1/2 | 2,948.81 | 1/2 | 2,653.10 | 1/2 | 2,357.02 | 1/2 | 2,060.94 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,825.57 | 3/4 | 3,532.05 | 3/4 | 3,237.36 | 3/4 | 2,942.67 | 3/4 | 2,646.94 | 3/4 | 2,350.85 | 3/4 | 2,054.77 |
| 5 | | 5 | | 5 | | 5 | 3,819.53 | 5 | 3,525.91 | 5 | 3,231.22 | 5 | 2,936.53 | 5 | 2,640.77 | 5 | 2,344.68 | 5 | 2,048.60 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,813.48 | 1/4 | 3,519.77 | 1/4 | 3,225.08 | 1/4 | 2,930.39 | 1/4 | 2,634.60 | 1/4 | 2,338.52 | 1/4 | 2,042.43 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,807.44 | 1/2 | 3,513.63 | 1/2 | 3,218.94 | 1/2 | 2,924.25 | 1/2 | 2,628.43 | 1/2 | 2,332.35 | 1/2 | 2,036.26 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,801.39 | 3/4 | 3,507.50 | 3/4 | 3,212.80 | 3/4 | 2,918.11 | 3/4 | 2,622.26 | 3/4 | 2,326.18 | 3/4 | 2,030.10 |
| 6 | | 6 | | 6 | | 6 | 3,795.35 | 6 | 3,501.36 | 6 | 3,206.66 | 6 | 2,911.97 | 6 | 2,616.09 | 6 | 2,320.01 | 6 | 2,023.93 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,789.31 | 1/4 | 3,495.22 | 1/4 | 3,200.53 | 1/4 | 2,905.83 | 1/4 | 2,609.92 | 1/4 | 2,313.84 | 1/4 | 2,017.76 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,783.27 | 1/2 | 3,489.08 | 1/2 | 3,194.39 | 1/2 | 2,899.69 | 1/2 | 2,603.76 | 1/2 | 2,307.67 | 1/2 | 2,011.59 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,777.23 | 3/4 | 3,482.94 | 3/4 | 3,188.25 | 3/4 | 2,893.56 | 3/4 | 2,597.59 | 3/4 | 2,301.50 | 3/4 | 2,005.42 |
| 7 | | 7 | | 7 | | 7 | 3,771.19 | 7 | 3,476.80 | 7 | 3,182.11 | 7 | 2,887.42 | 7 | 2,591.42 | 7 | 2,295.34 | 7 | 1,999.25 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,765.15 | 1/4 | 3,470.66 | 1/4 | 3,175.97 | 1/4 | 2,881.28 | 1/4 | 2,585.25 | 1/4 | 2,289.17 | 1/4 | 1,993.08 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,759.11 | 1/2 | 3,464.52 | 1/2 | 3,169.83 | 1/2 | 2,875.14 | 1/2 | 2,579.08 | 1/2 | 2,283.00 | 1/2 | 1,986.92 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,753.07 | 3/4 | 3,458.38 | 3/4 | 3,163.69 | 3/4 | 2,869.00 | 3/4 | 2,572.91 | 3/4 | 2,276.83 | 3/4 | 1,980.75 |
| 8 | | 8 | | 8 | | 8 | 3,746.93 | 8 | 3,452.24 | 8 | 3,157.55 | 8 | 2,862.83 | 8 | 2,566.75 | 8 | 2,270.66 | 8 | 1,974.58 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,740.79 | 1/4 | 3,446.10 | 1/4 | 3,151.41 | 1/4 | 2,856.66 | 1/4 | 2,560.58 | 1/4 | 2,264.49 | 1/4 | 1,968.41 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,734.65 | 1/2 | 3,439.96 | 1/2 | 3,145.27 | 1/2 | 2,850.49 | 1/2 | 2,554.41 | 1/2 | 2,258.33 | 1/2 | 1,962.24 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,728.51 | 3/4 | 3,433.82 | 3/4 | 3,139.13 | 3/4 | 2,844.32 | 3/4 | 2,548.24 | 3/4 | 2,252.16 | 3/4 | 1,956.07 |
| 9 | | 9 | | 9 | | 9 | 3,722.37 | 9 | 3,427.68 | 9 | 3,132.99 | 9 | 2,838.16 | 9 | 2,542.07 | 9 | 2,245.99 | 9 | 1,949.91 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,716.23 | 1/4 | 3,421.54 | 1/4 | 3,126.85 | 1/4 | 2,831.99 | 1/4 | 2,535.90 | 1/4 | 2,239.82 | 1/4 | 1,943.74 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,710.10 | 1/2 | 3,415.40 | 1/2 | 3,120.71 | 1/2 | 2,825.82 | 1/2 | 2,529.74 | 1/2 | 2,233.65 | 1/2 | 1,937.57 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,703.96 | 3/4 | 3,409.26 | 3/4 | 3,114.57 | 3/4 | 2,819.65 | 3/4 | 2,523.57 | 3/4 | 2,227.48 | 3/4 | 1,931.40 |
| 10 | | 10 | | 10 | | 10 | 3,697.82 | 10 | 3,403.13 | 10 | 3,108.43 | 10 | 2,813.48 | 10 | 2,517.40 | 10 | 2,221.32 | 10 | 1,925.23 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,691.68 | 1/4 | 3,396.99 | 1/4 | 3,102.29 | 1/4 | 2,807.31 | 1/4 | 2,511.23 | 1/4 | 2,215.15 | 1/4 | 1,919.06 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,685.54 | 1/2 | 3,390.85 | 1/2 | 3,096.16 | 1/2 | 2,801.15 | 1/2 | 2,505.06 | 1/2 | 2,208.98 | 1/2 | 1,912.90 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,679.40 | 3/4 | 3,384.71 | 3/4 | 3,090.02 | 3/4 | 2,794.98 | 3/4 | 2,498.89 | 3/4 | 2,202.81 | 3/4 | 1,906.73 |
| 11 | | 11 | | 11 | | 11 | 3,673.26 | 11 | 3,378.57 | 11 | 3,083.88 | 11 | 2,788.81 | 11 | 2,492.73 | 11 | 2,196.64 | 11 | 1,900.56 |
| 1/4 | | 1/4 | | 1/4 | 3,932.79 | 1/4 | 3,667.12 | 1/4 | 3,372.43 | 1/4 | 3,077.74 | 1/4 | 2,782.64 | 1/4 | 2,486.56 | 1/4 | 2,190.47 | 1/4 | 1,894.39 |
| 1/2 | | 1/2 | | 1/2 | 3,931.76 | 1/2 | 3,660.98 | 1/2 | 3,366.29 | 1/2 | 3,071.60 | 1/2 | 2,776.47 | 1/2 | 2,480.39 | 1/2 | 2,184.31 | 1/2 | 1,888.22 |
| 3/4 | | 3/4 | | 3/4 | 3,930.73 | 3/4 | 3,654.84 | 3/4 | 3,360.15 | 3/4 | 3,065.46 | 3/4 | 2,770.30 | 3/4 | 2,474.22 | 3/4 | 2,178.14 | 3/4 | 1,882.05 |

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 ON CENTERLINE AND 32'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 11012B"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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 | 1,875.89 | 0 | 1,579.80 | 0 | 1,283.54 | 0 | 989.23 | 0 | 696.97 | 0 | 400.74 | 0 | 104.64 | 0 | | 0 | | 0 | |
| 1/4 | 1,869.72 | 1/4 | 1,573.63 | 1/4 | 1,277.37 | 1/4 | 983.14 | 1/4 | 690.80 | 1/4 | 394.57 | 1/4 | 98.51 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,863.55 | 1/2 | 1,567.45 | 1/2 | 1,271.19 | 1/2 | 977.06 | 1/2 | 684.63 | 1/2 | 388.40 | 1/2 | 92.38 | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,857.38 | 3/4 | 1,561.28 | 3/4 | 1,265.02 | 3/4 | 970.97 | 3/4 | 678.46 | 3/4 | 382.22 | 3/4 | 86.25 | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 1 | 1,851.21 | 1 | 1,555.11 | 1 | 1,258.85 | 1 | 964.88 | 1 | 672.29 | 1 | 376.05 | 1 | 80.15 | 1 | 1 | 1 | | 1 | |
| 1/4 | 1,845.04 | 1/4 | 1,548.94 | 1/4 | 1,252.68 | 1/4 | 958.79 | 1/4 | 666.12 | 1/4 | 369.88 | 1/4 | 74.05 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,838.87 | 1/2 | 1,542.77 | 1/2 | 1,246.50 | 1/2 | 952.71 | 1/2 | 659.95 | 1/2 | 363.71 | 1/2 | 67.95 | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,832.71 | 3/4 | 1,536.59 | 3/4 | 1,240.33 | 3/4 | 946.62 | 3/4 | 653.77 | 3/4 | 357.54 | 3/4 | 61.85 | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 2 | 1,826.54 | 2 | 1,530.42 | 2 | 1,234.16 | 2 | 940.53 | 2 | 647.60 | 2 | 351.37 | 2 | 55.80 | 2 | 2 | 2 | | 2 | |
| 1/4 | 1,820.37 | 1/4 | 1,524.25 | 1/4 | 1,227.99 | 1/4 | 934.45 | 1/4 | 641.43 | 1/4 | 345.19 | 1/4 | 49.76 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,814.20 | 1/2 | 1,518.08 | 1/2 | 1,221.82 | 1/2 | 928.36 | 1/2 | 635.26 | 1/2 | 339.02 | 1/2 | 43.71 | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,808.03 | 3/4 | 1,511.91 | 3/4 | 1,215.64 | 3/4 | 922.27 | 3/4 | 629.09 | 3/4 | 332.85 | 3/4 | 37.67 | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 3 | 1,801.86 | 3 | 1,505.73 | 3 | 1,209.47 | 3 | 916.19 | 3 | 622.92 | 3 | 326.68 | 3 | 32.54 | 3 | 3 | 3 | | 3 | |
| 1/4 | 1,795.70 | 1/4 | 1,499.56 | 1/4 | 1,203.30 | 1/4 | 910.11 | 1/4 | 616.74 | 1/4 | 320.51 | 1/4 | 27.40 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,789.53 | 1/2 | 1,493.39 | 1/2 | 1,197.13 | 1/2 | 904.03 | 1/2 | 610.57 | 1/2 | 314.34 | 1/2 | 22.27 | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,783.36 | 3/4 | 1,487.22 | 3/4 | 1,190.96 | 3/4 | 897.94 | 3/4 | 604.40 | 3/4 | 308.16 | 3/4 | 17.13 | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 4 | 1,777.19 | 4 | 1,481.04 | 4 | 1,184.78 | 4 | 891.86 | 4 | 598.23 | 4 | 301.99 | 4 | 14.05 | 4 | 4 | 4 | | 4 | |
| 1/4 | 1,771.02 | 1/4 | 1,474.87 | 1/4 | 1,178.61 | 1/4 | 885.78 | 1/4 | 592.06 | 1/4 | 295.82 | 1/4 | 10.96 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,764.85 | 1/2 | 1,468.70 | 1/2 | 1,172.44 | 1/2 | 879.70 | 1/2 | 585.89 | 1/2 | 289.65 | 1/2 | 7.88 | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,758.69 | 3/4 | 1,462.53 | 3/4 | 1,166.27 | 3/4 | 873.62 | 3/4 | 579.72 | 3/4 | 283.48 | 3/4 | 4.79 | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 5 | 1,752.52 | 5 | 1,456.36 | 5 | 1,160.10 | 5 | 867.53 | 5 | 573.54 | 5 | 277.31 | 5 | 3.76 | 5 | 5 | 5 | | 5 | |
| 1/4 | 1,746.35 | 1/4 | 1,450.18 | 1/4 | 1,153.92 | 1/4 | 861.45 | 1/4 | 567.37 | 1/4 | 271.14 | 1/4 | 2.74 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,740.18 | 1/2 | 1,444.01 | 1/2 | 1,147.75 | 1/2 | 855.37 | 1/2 | 561.20 | 1/2 | 264.96 | 1/2 | 1.71 | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,734.01 | 3/4 | 1,437.84 | 3/4 | 1,141.58 | 3/4 | 849.29 | 3/4 | 555.03 | 3/4 | 258.79 | 3/4 | 0.68 | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 6 | 1,727.84 | 6 | 1,431.67 | 6 | 1,135.45 | 6 | 843.21 | 6 | 548.86 | 6 | 252.62 | 6 | | 6 | 6 | 6 | | 6 | |
| 1/4 | 1,721.68 | 1/4 | 1,425.50 | 1/4 | 1,129.32 | 1/4 | 837.13 | 1/4 | 542.69 | 1/4 | 246.45 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,715.51 | 1/2 | 1,419.32 | 1/2 | 1,123.19 | 1/2 | 831.04 | 1/2 | 536.51 | 1/2 | 240.28 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,709.34 | 3/4 | 1,413.15 | 3/4 | 1,117.06 | 3/4 | 824.96 | 3/4 | 530.34 | 3/4 | 234.11 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 7 | 1,703.17 | 7 | 1,406.98 | 7 | 1,110.97 | 7 | 818.88 | 7 | 524.17 | 7 | 227.93 | 7 | | 7 | 7 | 7 | | 7 | |
| 1/4 | 1,697.00 | 1/4 | 1,400.81 | 1/4 | 1,104.89 | 1/4 | 812.80 | 1/4 | 518.00 | 1/4 | 221.76 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,690.83 | 1/2 | 1,394.64 | 1/2 | 1,098.80 | 1/2 | 806.72 | 1/2 | 511.83 | 1/2 | 215.59 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,684.66 | 3/4 | 1,388.46 | 3/4 | 1,092.71 | 3/4 | 800.63 | 3/4 | 505.66 | 3/4 | 209.42 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 8 | 1,678.50 | 8 | 1,382.29 | 8 | 1,086.63 | 8 | 794.55 | 8 | 499.48 | 8 | 203.25 | 8 | | 8 | 8 | 8 | | 8 | |
| 1/4 | 1,672.33 | 1/4 | 1,376.12 | 1/4 | 1,080.54 | 1/4 | 788.47 | 1/4 | 493.31 | 1/4 | 197.08 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,666.16 | 1/2 | 1,369.95 | 1/2 | 1,074.45 | 1/2 | 782.39 | 1/2 | 487.14 | 1/2 | 190.90 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,659.99 | 3/4 | 1,363.77 | 3/4 | 1,068.36 | 3/4 | 776.31 | 3/4 | 480.97 | 3/4 | 184.73 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 9 | 1,653.82 | 9 | 1,357.60 | 9 | 1,062.28 | 9 | 770.23 | 9 | 474.80 | 9 | 178.56 | 9 | | 9 | 9 | 9 | | 9 | |
| 1/4 | 1,647.65 | 1/4 | 1,351.43 | 1/4 | 1,056.19 | 1/4 | 764.14 | 1/4 | 468.63 | 1/4 | 172.39 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,641.49 | 1/2 | 1,345.26 | 1/2 | 1,050.10 | 1/2 | 758.06 | 1/2 | 462.45 | 1/2 | 166.22 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,635.32 | 3/4 | 1,339.09 | 3/4 | 1,044.01 | 3/4 | 751.98 | 3/4 | 456.28 | 3/4 | 160.05 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 10 | 1,629.15 | 10 | 1,332.91 | 10 | 1,037.93 | 10 | 745.90 | 10 | 450.11 | 10 | 153.88 | 10 | | 10 | 10 | 10 | | 10 | |
| 1/4 | 1,622.98 | 1/4 | 1,326.74 | 1/4 | 1,031.84 | 1/4 | 739.82 | 1/4 | 443.94 | 1/4 | 147.72 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,616.81 | 1/2 | 1,320.57 | 1/2 | 1,025.75 | 1/2 | 733.74 | 1/2 | 437.77 | 1/2 | 141.55 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,610.64 | 3/4 | 1,314.40 | 3/4 | 1,019.67 | 3/4 | 727.66 | 3/4 | 431.60 | 3/4 | 135.39 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 11 | 1,604.48 | 11 | 1,308.23 | 11 | 1,013.58 | 11 | 721.53 | 11 | 425.43 | 11 | 129.23 | 11 | | 11 | 11 | 11 | | 11 | |
| 1/4 | 1,598.31 | 1/4 | 1,302.05 | 1/4 | 1,007.49 | 1/4 | 715.40 | 1/4 | 419.25 | 1/4 | 123.08 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,592.14 | 1/2 | 1,295.88 | 1/2 | 1,001.40 | 1/2 | 709.27 | 1/2 | 413.08 | 1/2 | 116.93 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,585.97 | 3/4 | 1,289.71 | 3/4 | 995.32 | 3/4 | 703.14 | 3/4 | 406.91 | 3/4 | 110.78 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/31/2010 CL - SW
CALCULATED: 04/01/2010 CL
PRINTED: 04/01/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2010

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



BARGE "KIRBY 11012B"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

| 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 | 3,529.30 | 0 | 3,334.17 | 0 | 3,140.01 | 0 | 2,945.86 | 0 | 2,728.79 | 0 | 2,435.96 | 0 | 2,142.52 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,526.23 | 1/4 | 3,330.13 | 1/4 | 3,135.97 | 1/4 | 2,941.81 | 1/4 | 2,722.70 | 1/4 | 2,429.85 | 1/4 | 2,136.41 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,521.11 | 1/2 | 3,326.08 | 1/2 | 3,131.93 | 1/2 | 2,937.77 | 1/2 | 2,716.60 | 1/2 | 2,423.74 | 1/2 | 2,130.29 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,516.00 | 3/4 | 3,322.04 | 3/4 | 3,127.88 | 3/4 | 2,933.73 | 3/4 | 2,710.51 | 3/4 | 2,417.62 | 3/4 | 2,124.18 |
| 1 | | 1 | | 1 | | 1 | 3,510.89 | 1 | 3,317.99 | 1 | 3,123.84 | 1 | 2,929.68 | 1 | 2,704.41 | 1 | 2,411.51 | 1 | 2,118.07 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,505.77 | 1/4 | 3,313.95 | 1/4 | 3,119.79 | 1/4 | 2,925.64 | 1/4 | 2,698.32 | 1/4 | 2,405.40 | 1/4 | 2,111.95 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,501.86 | 1/2 | 3,309.90 | 1/2 | 3,115.75 | 1/2 | 2,921.59 | 1/2 | 2,692.22 | 1/2 | 2,399.28 | 1/2 | 2,105.84 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,497.95 | 3/4 | 3,305.86 | 3/4 | 3,111.70 | 3/4 | 2,917.55 | 3/4 | 2,686.13 | 3/4 | 2,393.17 | 3/4 | 2,099.73 |
| 2 | | 2 | | 2 | | 2 | 3,494.04 | 2 | 3,301.81 | 2 | 3,107.66 | 2 | 2,913.50 | 2 | 2,680.04 | 2 | 2,387.06 | 2 | 2,093.61 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,490.13 | 1/4 | 3,297.77 | 1/4 | 3,103.61 | 1/4 | 2,909.46 | 1/4 | 2,673.94 | 1/4 | 2,380.94 | 1/4 | 2,087.50 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,486.19 | 1/2 | 3,293.72 | 1/2 | 3,099.57 | 1/2 | 2,905.41 | 1/2 | 2,667.85 | 1/2 | 2,374.83 | 1/2 | 2,081.39 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,482.24 | 3/4 | 3,289.68 | 3/4 | 3,095.52 | 3/4 | 2,901.37 | 3/4 | 2,661.75 | 3/4 | 2,368.72 | 3/4 | 2,075.27 |
| 3 | | 3 | | 3 | | 3 | 3,478.29 | 3 | 3,285.63 | 3 | 3,091.48 | 3 | 2,897.32 | 3 | 2,655.66 | 3 | 2,362.60 | 3 | 2,069.16 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,474.35 | 1/4 | 3,281.59 | 1/4 | 3,087.43 | 1/4 | 2,893.28 | 1/4 | 2,649.56 | 1/4 | 2,356.49 | 1/4 | 2,063.05 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,470.39 | 1/2 | 3,277.54 | 1/2 | 3,083.39 | 1/2 | 2,889.23 | 1/2 | 2,643.47 | 1/2 | 2,350.38 | 1/2 | 2,056.93 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,466.43 | 3/4 | 3,273.50 | 3/4 | 3,079.34 | 3/4 | 2,885.19 | 3/4 | 2,637.37 | 3/4 | 2,344.26 | 3/4 | 2,050.82 |
| 4 | | 4 | | 4 | | 4 | 3,462.47 | 4 | 3,269.45 | 4 | 3,075.30 | 4 | 2,881.14 | 4 | 2,631.28 | 4 | 2,338.15 | 4 | 2,044.71 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,458.51 | 1/4 | 3,265.41 | 1/4 | 3,071.25 | 1/4 | 2,877.10 | 1/4 | 2,625.18 | 1/4 | 2,332.04 | 1/4 | 2,038.59 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,454.55 | 1/2 | 3,261.36 | 1/2 | 3,067.21 | 1/2 | 2,873.05 | 1/2 | 2,619.09 | 1/2 | 2,325.92 | 1/2 | 2,032.48 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,450.59 | 3/4 | 3,257.32 | 3/4 | 3,063.16 | 3/4 | 2,869.01 | 3/4 | 2,612.99 | 3/4 | 2,319.81 | 3/4 | 2,026.37 |
| 5 | | 5 | | 5 | | 5 | 3,446.63 | 5 | 3,253.27 | 5 | 3,059.12 | 5 | 2,864.96 | 5 | 2,606.90 | 5 | 2,313.70 | 5 | 2,020.25 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,442.67 | 1/4 | 3,249.23 | 1/4 | 3,055.07 | 1/4 | 2,860.92 | 1/4 | 2,600.80 | 1/4 | 2,307.58 | 1/4 | 2,014.14 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,438.72 | 1/2 | 3,245.18 | 1/2 | 3,051.03 | 1/2 | 2,856.87 | 1/2 | 2,594.71 | 1/2 | 2,301.47 | 1/2 | 2,008.03 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,434.76 | 3/4 | 3,241.14 | 3/4 | 3,046.98 | 3/4 | 2,852.83 | 3/4 | 2,588.61 | 3/4 | 2,295.36 | 3/4 | 2,001.91 |
| 6 | | 6 | | 6 | | 6 | 3,430.80 | 6 | 3,237.09 | 6 | 3,042.94 | 6 | 2,848.78 | 6 | 2,582.52 | 6 | 2,289.24 | 6 | 1,995.80 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,426.85 | 1/4 | 3,233.05 | 1/4 | 3,038.89 | 1/4 | 2,844.74 | 1/4 | 2,576.42 | 1/4 | 2,283.13 | 1/4 | 1,989.69 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,422.89 | 1/2 | 3,229.00 | 1/2 | 3,034.85 | 1/2 | 2,840.69 | 1/2 | 2,570.33 | 1/2 | 2,277.02 | 1/2 | 1,983.57 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,418.94 | 3/4 | 3,224.96 | 3/4 | 3,030.80 | 3/4 | 2,836.65 | 3/4 | 2,564.23 | 3/4 | 2,270.90 | 3/4 | 1,977.46 |
| 7 | | 7 | | 7 | | 7 | 3,414.98 | 7 | 3,220.91 | 7 | 3,026.76 | 7 | 2,832.60 | 7 | 2,558.14 | 7 | 2,264.79 | 7 | 1,971.35 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,411.02 | 1/4 | 3,216.87 | 1/4 | 3,022.71 | 1/4 | 2,828.56 | 1/4 | 2,552.04 | 1/4 | 2,258.68 | 1/4 | 1,965.23 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,406.98 | 1/2 | 3,212.82 | 1/2 | 3,018.67 | 1/2 | 2,824.49 | 1/2 | 2,545.95 | 1/2 | 2,252.56 | 1/2 | 1,959.12 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,402.93 | 3/4 | 3,208.78 | 3/4 | 3,014.62 | 3/4 | 2,820.42 | 3/4 | 2,539.85 | 3/4 | 2,246.45 | 3/4 | 1,953.01 |
| 8 | | 8 | | 8 | | 8 | 3,398.89 | 8 | 3,204.73 | 8 | 3,010.58 | 8 | 2,816.35 | 8 | 2,533.76 | 8 | 2,240.34 | 8 | 1,946.89 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,394.84 | 1/4 | 3,200.69 | 1/4 | 3,006.53 | 1/4 | 2,812.28 | 1/4 | 2,527.67 | 1/4 | 2,234.22 | 1/4 | 1,940.78 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,390.80 | 1/2 | 3,196.64 | 1/2 | 3,002.49 | 1/2 | 2,808.21 | 1/2 | 2,521.55 | 1/2 | 2,228.11 | 1/2 | 1,934.67 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,386.75 | 3/4 | 3,192.60 | 3/4 | 2,998.44 | 3/4 | 2,804.14 | 3/4 | 2,515.44 | 3/4 | 2,222.00 | 3/4 | 1,928.55 |
| 9 | | 9 | | 9 | | 9 | 3,382.71 | 9 | 3,188.55 | 9 | 2,994.40 | 9 | 2,800.07 | 9 | 2,509.33 | 9 | 2,215.88 | 9 | 1,922.44 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,378.66 | 1/4 | 3,184.51 | 1/4 | 2,990.35 | 1/4 | 2,796.00 | 1/4 | 2,503.21 | 1/4 | 2,209.77 | 1/4 | 1,916.33 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,374.62 | 1/2 | 3,180.46 | 1/2 | 2,986.31 | 1/2 | 2,789.86 | 1/2 | 2,497.10 | 1/2 | 2,203.66 | 1/2 | 1,910.21 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,370.57 | 3/4 | 3,176.42 | 3/4 | 2,982.26 | 3/4 | 2,783.73 | 3/4 | 2,490.98 | 3/4 | 2,197.54 | 3/4 | 1,904.10 |
| 10 | | 10 | | 10 | | 10 | 3,366.53 | 10 | 3,172.37 | 10 | 2,978.22 | 10 | 2,777.59 | 10 | 2,484.87 | 10 | 2,191.43 | 10 | 1,897.99 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,362.48 | 1/4 | 3,168.33 | 1/4 | 2,974.17 | 1/4 | 2,771.46 | 1/4 | 2,478.76 | 1/4 | 2,185.31 | 1/4 | 1,891.87 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,358.44 | 1/2 | 3,164.28 | 1/2 | 2,970.13 | 1/2 | 2,765.36 | 1/2 | 2,472.64 | 1/2 | 2,179.20 | 1/2 | 1,885.76 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,540.55 | 3/4 | 3,354.39 | 3/4 | 3,160.24 | 3/4 | 2,966.08 | 3/4 | 2,759.27 | 3/4 | 2,466.53 | 3/4 | 2,173.09 |
| 11 | | 11 | | 11 | | 11 | 3,539.53 | 11 | 3,350.35 | 11 | 3,156.19 | 11 | 2,962.04 | 11 | 2,753.17 | 11 | 2,460.42 | 11 | 2,166.97 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,538.50 | 1/4 | 3,346.30 | 1/4 | 3,152.15 | 1/4 | 2,957.99 | 1/4 | 2,747.08 | 1/4 | 2,454.30 | 1/4 | 2,160.86 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,535.44 | 1/2 | 3,342.26 | 1/2 | 3,148.10 | 1/2 | 2,953.95 | 1/2 | 2,740.98 | 1/2 | 2,448.19 | 1/2 | 2,154.75 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,532.37 | 3/4 | 3,338.22 | 3/4 | 3,144.06 | 3/4 | 2,949.90 | 3/4 | 2,734.89 | 3/4 | 2,442.08 | 3/4 | 2,148.63 |

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 ON CENTERLINE AND 32'-00" 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 11012B"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

| 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | | 16 FT. | | 17 FT. | | 18 FT. | | 19 FT. | |
|--------|----------|--------|----------|--------|----------|--------|--------|--------|--------|--------|--------|--------|-------|--------|-----|--------|--|--------|--|
| 0 | 1,849.08 | 0 | 1,555.36 | 0 | 1,261.51 | 0 | 967.66 | 0 | 679.89 | 0 | 385.85 | 0 | 91.88 | 0 | | 0 | | 0 | |
| 1/4 | 1,842.96 | 1/4 | 1,549.24 | 1/4 | 1,255.39 | 1/4 | 961.54 | 1/4 | 673.78 | 1/4 | 379.73 | 1/4 | 85.78 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,836.85 | 1/2 | 1,543.12 | 1/2 | 1,249.27 | 1/2 | 955.48 | 1/2 | 667.66 | 1/2 | 373.60 | 1/2 | 79.71 | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,830.74 | 3/4 | 1,537.00 | 3/4 | 1,243.15 | 3/4 | 949.42 | 3/4 | 661.53 | 3/4 | 367.47 | 3/4 | 73.65 | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 1 | 1,824.62 | 1 | 1,530.88 | 1 | 1,237.02 | 1 | 943.36 | 1 | 655.41 | 1 | 361.35 | 1 | 67.58 | 1 | 1 | 1 | | 1 | |
| 1/4 | 1,818.51 | 1/4 | 1,524.75 | 1/4 | 1,230.90 | 1/4 | 937.30 | 1/4 | 649.28 | 1/4 | 355.22 | 1/4 | 61.51 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,812.40 | 1/2 | 1,518.63 | 1/2 | 1,224.78 | 1/2 | 931.31 | 1/2 | 643.16 | 1/2 | 349.10 | 1/2 | 55.50 | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,806.28 | 3/4 | 1,512.51 | 3/4 | 1,218.66 | 3/4 | 925.31 | 3/4 | 637.03 | 3/4 | 342.97 | 3/4 | 49.49 | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 2 | 1,800.17 | 2 | 1,506.39 | 2 | 1,212.54 | 2 | 919.31 | 2 | 630.90 | 2 | 336.84 | 2 | 43.48 | 2 | 2 | 2 | | 2 | |
| 1/4 | 1,794.06 | 1/4 | 1,500.27 | 1/4 | 1,206.41 | 1/4 | 913.32 | 1/4 | 624.78 | 1/4 | 330.72 | 1/4 | 37.47 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,787.94 | 1/2 | 1,494.14 | 1/2 | 1,200.29 | 1/2 | 907.32 | 1/2 | 618.65 | 1/2 | 324.59 | 1/2 | 32.36 | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,781.81 | 3/4 | 1,488.02 | 3/4 | 1,194.17 | 3/4 | 901.33 | 3/4 | 612.53 | 3/4 | 318.46 | 3/4 | 27.26 | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 3 | 1,775.69 | 3 | 1,481.90 | 3 | 1,188.05 | 3 | 895.33 | 3 | 606.40 | 3 | 312.34 | 3 | 22.15 | 3 | 3 | 3 | | 3 | |
| 1/4 | 1,769.57 | 1/4 | 1,475.78 | 1/4 | 1,181.93 | 1/4 | 889.34 | 1/4 | 600.27 | 1/4 | 306.21 | 1/4 | 17.04 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,763.45 | 1/2 | 1,469.66 | 1/2 | 1,175.81 | 1/2 | 883.36 | 1/2 | 594.15 | 1/2 | 300.09 | 1/2 | 13.98 | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,757.33 | 3/4 | 1,463.53 | 3/4 | 1,169.68 | 3/4 | 877.38 | 3/4 | 588.02 | 3/4 | 293.96 | 3/4 | 10.91 | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 4 | 1,751.20 | 4 | 1,457.41 | 4 | 1,163.56 | 4 | 871.40 | 4 | 581.90 | 4 | 287.83 | 4 | 7.84 | 4 | 4 | 4 | | 4 | |
| 1/4 | 1,745.08 | 1/4 | 1,451.29 | 1/4 | 1,157.44 | 1/4 | 865.42 | 1/4 | 575.77 | 1/4 | 281.71 | 1/4 | 4.77 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,738.96 | 1/2 | 1,445.17 | 1/2 | 1,151.32 | 1/2 | 859.46 | 1/2 | 569.64 | 1/2 | 275.58 | 1/2 | 3.75 | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,732.84 | 3/4 | 1,439.05 | 3/4 | 1,145.20 | 3/4 | 853.50 | 3/4 | 563.52 | 3/4 | 269.45 | 3/4 | 2.73 | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 5 | 1,726.72 | 5 | 1,432.93 | 5 | 1,139.07 | 5 | 847.54 | 5 | 557.39 | 5 | 263.33 | 5 | 1.70 | 5 | 5 | 5 | | 5 | |
| 1/4 | 1,720.60 | 1/4 | 1,426.80 | 1/4 | 1,132.95 | 1/4 | 841.57 | 1/4 | 551.26 | 1/4 | 257.20 | 1/4 | 0.68 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,714.48 | 1/2 | 1,420.68 | 1/2 | 1,126.83 | 1/2 | 835.61 | 1/2 | 545.14 | 1/2 | 251.07 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,708.36 | 3/4 | 1,414.56 | 3/4 | 1,120.71 | 3/4 | 829.65 | 3/4 | 539.01 | 3/4 | 244.95 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 6 | 1,702.24 | 6 | 1,408.44 | 6 | 1,114.59 | 6 | 823.69 | 6 | 532.88 | 6 | 238.82 | 6 | | 6 | 6 | 6 | | 6 | |
| 1/4 | 1,696.11 | 1/4 | 1,402.32 | 1/4 | 1,108.46 | 1/4 | 817.72 | 1/4 | 526.76 | 1/4 | 232.70 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,690.00 | 1/2 | 1,396.19 | 1/2 | 1,102.34 | 1/2 | 811.76 | 1/2 | 520.63 | 1/2 | 226.57 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,683.88 | 3/4 | 1,390.07 | 3/4 | 1,096.22 | 3/4 | 805.80 | 3/4 | 514.51 | 3/4 | 220.44 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 7 | 1,677.76 | 7 | 1,383.95 | 7 | 1,090.10 | 7 | 799.84 | 7 | 508.38 | 7 | 214.32 | 7 | | 7 | 7 | 7 | | 7 | |
| 1/4 | 1,671.64 | 1/4 | 1,377.83 | 1/4 | 1,083.98 | 1/4 | 793.87 | 1/4 | 502.25 | 1/4 | 208.19 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,665.52 | 1/2 | 1,371.71 | 1/2 | 1,077.85 | 1/2 | 787.91 | 1/2 | 496.13 | 1/2 | 202.06 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,659.40 | 3/4 | 1,365.58 | 3/4 | 1,071.73 | 3/4 | 781.95 | 3/4 | 490.00 | 3/4 | 195.94 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 8 | 1,653.28 | 8 | 1,359.46 | 8 | 1,065.61 | 8 | 775.99 | 8 | 483.87 | 8 | 189.81 | 8 | | 8 | 8 | 8 | | 8 | |
| 1/4 | 1,647.16 | 1/4 | 1,353.34 | 1/4 | 1,059.49 | 1/4 | 770.02 | 1/4 | 477.75 | 1/4 | 183.69 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,641.04 | 1/2 | 1,347.22 | 1/2 | 1,053.37 | 1/2 | 764.06 | 1/2 | 471.62 | 1/2 | 177.56 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,634.92 | 3/4 | 1,341.10 | 3/4 | 1,047.25 | 3/4 | 758.10 | 3/4 | 465.50 | 3/4 | 171.43 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 9 | 1,628.80 | 9 | 1,334.97 | 9 | 1,041.12 | 9 | 752.14 | 9 | 459.37 | 9 | 165.31 | 9 | | 9 | 9 | 9 | | 9 | |
| 1/4 | 1,622.68 | 1/4 | 1,328.85 | 1/4 | 1,035.00 | 1/4 | 746.17 | 1/4 | 453.24 | 1/4 | 159.18 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,616.56 | 1/2 | 1,322.73 | 1/2 | 1,028.88 | 1/2 | 740.21 | 1/2 | 447.12 | 1/2 | 153.05 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,610.44 | 3/4 | 1,316.61 | 3/4 | 1,022.76 | 3/4 | 734.25 | 3/4 | 440.99 | 3/4 | 146.92 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 10 | 1,604.33 | 10 | 1,310.49 | 10 | 1,016.64 | 10 | 728.29 | 10 | 434.86 | 10 | 140.79 | 10 | | 10 | 10 | 10 | | 10 | |
| 1/4 | 1,598.21 | 1/4 | 1,304.37 | 1/4 | 1,010.51 | 1/4 | 722.32 | 1/4 | 428.74 | 1/4 | 134.66 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,592.09 | 1/2 | 1,298.24 | 1/2 | 1,004.39 | 1/2 | 716.30 | 1/2 | 422.61 | 1/2 | 128.54 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,585.97 | 3/4 | 1,292.12 | 3/4 | 998.27 | 3/4 | 710.27 | 3/4 | 416.49 | 3/4 | 122.42 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 11 | 1,579.85 | 11 | 1,286.00 | 11 | 992.15 | 11 | 704.24 | 11 | 410.36 | 11 | 116.30 | 11 | | 11 | 11 | 11 | | 11 | |
| 1/4 | 1,573.73 | 1/4 | 1,279.88 | 1/4 | 986.03 | 1/4 | 698.22 | 1/4 | 404.23 | 1/4 | 110.18 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 1,567.61 | 1/2 | 1,273.76 | 1/2 | 979.90 | 1/2 | 692.11 | 1/2 | 398.11 | 1/2 | 104.08 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 1,561.49 | 3/4 | 1,267.63 | 3/4 | 973.78 | 3/4 | 686.00 | 3/4 | 391.98 | 3/4 | 97.98 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/31/2010 CL - SW
CALCULATED: 04/01/2010 CL
PRINTED: 04/01/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2010

PRECISION MEASUREMENT
& ANALYSIS, INC.
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