



BARGE "KIRBY 10215"

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 | 00-1/2 | - 00-1/2 | 00-5/8 | - 00-5/8 | 00-3/4 | - 00-3/4 | 00-7/8 | - 00-7/8 |
| 2 CENTER | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/4 | - 00-1/4 | 00-3/8 | - 00-3/8 | 00-1/2 | - 00-1/2 | 00-1/2 | - 00-1/2 |
| 3 CENTER | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/4 | - 00-1/4 | 00-1/4 | - 00-1/4 | 00-3/8 | - 00-3/8 | 00-3/8 | - 00-3/8 |

(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: 163'-06"

August 16, 2010

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

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BARGE "KIRBY 10215"

1 CENTER 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 | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | | |
| 0 | | 0 | | 0 | | 0 | 3,776.08 | 0 | 3,530.54 | 0 | 3,277.10 | 0 | 3,023.66 | 0 | 2,759.20 | 0 | 2,462.81 | 0 | 2,165.83 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,771.94 | 1/4 | 3,525.26 | 1/4 | 3,271.82 | 1/4 | 3,018.38 | 1/4 | 2,753.03 | 1/4 | 2,456.63 | 1/4 | 2,159.65 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,767.80 | 1/2 | 3,519.98 | 1/2 | 3,266.54 | 1/2 | 3,013.10 | 1/2 | 2,746.86 | 1/2 | 2,450.44 | 1/2 | 2,153.46 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,763.65 | 3/4 | 3,514.70 | 3/4 | 3,261.26 | 3/4 | 3,007.82 | 3/4 | 2,740.69 | 3/4 | 2,444.25 | 3/4 | 2,147.27 | | |
| 1 | | 1 | | 1 | | 1 | 3,759.51 | 1 | 3,509.42 | 1 | 3,255.98 | 1 | 3,002.54 | 1 | 2,734.52 | 1 | 2,438.06 | 1 | 2,141.08 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,754.61 | 1/4 | 3,504.14 | 1/4 | 3,250.70 | 1/4 | 2,997.26 | 1/4 | 2,728.35 | 1/4 | 2,431.88 | 1/4 | 2,134.90 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,749.71 | 1/2 | 3,498.86 | 1/2 | 3,245.42 | 1/2 | 2,991.98 | 1/2 | 2,722.19 | 1/2 | 2,425.69 | 1/2 | 2,128.71 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,744.81 | 3/4 | 3,493.58 | 3/4 | 3,240.14 | 3/4 | 2,986.70 | 3/4 | 2,716.02 | 3/4 | 2,419.50 | 3/4 | 2,122.52 | | |
| 2 | | 2 | | 2 | | 2 | 3,739.90 | 2 | 3,488.30 | 2 | 3,234.86 | 2 | 2,981.42 | 2 | 2,709.85 | 2 | 2,413.32 | 2 | 2,116.34 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,734.74 | 1/4 | 3,483.02 | 1/4 | 3,229.58 | 1/4 | 2,976.14 | 1/4 | 2,703.68 | 1/4 | 2,407.13 | 1/4 | 2,110.15 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,729.57 | 1/2 | 3,477.74 | 1/2 | 3,224.30 | 1/2 | 2,970.86 | 1/2 | 2,697.51 | 1/2 | 2,400.94 | 1/2 | 2,103.96 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,724.40 | 3/4 | 3,472.46 | 3/4 | 3,219.02 | 3/4 | 2,965.58 | 3/4 | 2,691.34 | 3/4 | 2,394.75 | 3/4 | 2,097.77 | | |
| 3 | | 3 | | 3 | | 3 | 3,719.23 | 3 | 3,467.18 | 3 | 3,213.74 | 3 | 2,960.30 | 3 | 2,685.17 | 3 | 2,388.57 | 3 | 2,091.59 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,714.04 | 1/4 | 3,461.90 | 1/4 | 3,208.46 | 1/4 | 2,955.02 | 1/4 | 2,679.01 | 1/4 | 2,382.38 | 1/4 | 2,085.40 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,708.85 | 1/2 | 3,456.62 | 1/2 | 3,203.18 | 1/2 | 2,949.74 | 1/2 | 2,672.84 | 1/2 | 2,376.19 | 1/2 | 2,079.21 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,703.66 | 3/4 | 3,451.34 | 3/4 | 3,197.90 | 3/4 | 2,944.46 | 3/4 | 2,666.67 | 3/4 | 2,370.01 | 3/4 | 2,073.03 | | |
| 4 | | 4 | | 4 | | 4 | 3,698.46 | 4 | 3,446.06 | 4 | 3,192.62 | 4 | 2,939.18 | 4 | 2,660.50 | 4 | 2,363.82 | 4 | 2,066.84 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,693.27 | 1/4 | 3,440.78 | 1/4 | 3,187.34 | 1/4 | 2,933.90 | 1/4 | 2,654.33 | 1/4 | 2,357.63 | 1/4 | 2,060.65 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,688.07 | 1/2 | 3,435.50 | 1/2 | 3,182.06 | 1/2 | 2,928.62 | 1/2 | 2,648.16 | 1/2 | 2,351.45 | 1/2 | 2,054.46 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,682.88 | 3/4 | 3,430.22 | 3/4 | 3,176.78 | 3/4 | 2,923.34 | 3/4 | 2,642.00 | 3/4 | 2,345.26 | 3/4 | 2,048.28 | | |
| 5 | | 5 | | 5 | | 5 | 3,677.68 | 5 | 3,424.94 | 5 | 3,171.50 | 5 | 2,918.06 | 5 | 2,635.83 | 5 | 2,339.07 | 5 | 2,042.09 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,672.49 | 1/4 | 3,419.66 | 1/4 | 3,166.22 | 1/4 | 2,912.78 | 1/4 | 2,629.66 | 1/4 | 2,332.88 | 1/4 | 2,035.90 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,667.30 | 1/2 | 3,414.38 | 1/2 | 3,160.94 | 1/2 | 2,907.50 | 1/2 | 2,623.49 | 1/2 | 2,326.70 | 1/2 | 2,029.72 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,662.10 | 3/4 | 3,409.10 | 3/4 | 3,155.66 | 3/4 | 2,902.22 | 3/4 | 2,617.32 | 3/4 | 2,320.51 | 3/4 | 2,023.53 | | |
| 6 | | 6 | | 6 | | 6 | 3,656.91 | 6 | 3,403.82 | 6 | 3,150.38 | 6 | 2,896.94 | 6 | 2,611.15 | 6 | 2,314.32 | 6 | 2,017.34 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,651.72 | 1/4 | 3,398.54 | 1/4 | 3,145.10 | 1/4 | 2,891.66 | 1/4 | 2,604.99 | 1/4 | 2,308.14 | 1/4 | 2,011.15 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,646.53 | 1/2 | 3,393.26 | 1/2 | 3,139.82 | 1/2 | 2,886.38 | 1/2 | 2,598.82 | 1/2 | 2,301.95 | 1/2 | 2,004.97 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,641.33 | 3/4 | 3,387.98 | 3/4 | 3,134.54 | 3/4 | 2,881.10 | 3/4 | 2,592.65 | 3/4 | 2,295.76 | 3/4 | 1,998.78 | | |
| 7 | | 7 | | 7 | | 7 | 3,636.14 | 7 | 3,382.70 | 7 | 3,129.26 | 7 | 2,875.82 | 7 | 2,586.48 | 7 | 2,289.57 | 7 | 1,992.59 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,630.86 | 1/4 | 3,377.42 | 1/4 | 3,123.98 | 1/4 | 2,870.52 | 1/4 | 2,580.31 | 1/4 | 2,283.39 | 1/4 | 1,986.41 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,625.58 | 1/2 | 3,372.14 | 1/2 | 3,118.70 | 1/2 | 2,865.21 | 1/2 | 2,574.14 | 1/2 | 2,277.20 | 1/2 | 1,980.22 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,620.30 | 3/4 | 3,366.86 | 3/4 | 3,113.42 | 3/4 | 2,859.91 | 3/4 | 2,567.98 | 3/4 | 2,271.01 | 3/4 | 1,974.03 | | |
| 8 | | 8 | | 8 | | 8 | 3,615.02 | 8 | 3,361.58 | 8 | 3,108.14 | 8 | 2,854.60 | 8 | 2,561.81 | 8 | 2,264.83 | 8 | 1,967.85 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,609.74 | 1/4 | 3,356.30 | 1/4 | 3,102.86 | 1/4 | 2,849.30 | 1/4 | 2,555.62 | 1/4 | 2,258.64 | 1/4 | 1,961.66 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,604.46 | 1/2 | 3,351.02 | 1/2 | 3,097.58 | 1/2 | 2,843.99 | 1/2 | 2,549.43 | 1/2 | 2,252.45 | 1/2 | 1,955.47 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,599.18 | 3/4 | 3,345.74 | 3/4 | 3,092.30 | 3/4 | 2,838.69 | 3/4 | 2,543.25 | 3/4 | 2,246.26 | 3/4 | 1,949.28 | | |
| 9 | | 9 | | 9 | | 9 | 3,593.90 | 9 | 3,340.46 | 9 | 3,087.02 | 9 | 2,833.38 | 9 | 2,537.06 | 9 | 2,240.08 | 9 | 1,943.10 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,588.62 | 1/4 | 3,335.18 | 1/4 | 3,081.74 | 1/4 | 2,827.17 | 1/4 | 2,530.87 | 1/4 | 2,233.89 | 1/4 | 1,936.91 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,583.34 | 1/2 | 3,329.90 | 1/2 | 3,076.46 | 1/2 | 2,820.96 | 1/2 | 2,524.68 | 1/2 | 2,227.70 | 1/2 | 1,930.72 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,578.06 | 3/4 | 3,324.62 | 3/4 | 3,071.18 | 3/4 | 2,814.75 | 3/4 | 2,518.50 | 3/4 | 2,221.52 | 3/4 | 1,924.54 | | |
| 10 | | 10 | | 10 | | 10 | 3,572.78 | 10 | 3,319.34 | 10 | 3,065.90 | 10 | 2,808.54 | 10 | 2,512.31 | 10 | 2,215.33 | 10 | 1,918.35 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,567.50 | 1/4 | 3,314.06 | 1/4 | 3,060.62 | 1/4 | 2,802.37 | 1/4 | 2,506.12 | 1/4 | 2,209.14 | 1/4 | 1,912.16 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,785.40 | 1/2 | 3,562.22 | 1/2 | 3,308.78 | 1/2 | 3,055.34 | 1/2 | 2,796.21 | 1/2 | 2,499.94 | 1/2 | 2,202.95 | 1/2 | 1,905.97 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,784.88 | 3/4 | 3,556.94 | 3/4 | 3,303.50 | 3/4 | 3,050.06 | 3/4 | 2,790.04 | 3/4 | 2,493.75 | 3/4 | 2,196.77 | 3/4 | 1,899.79 |
| 11 | | 11 | | 11 | | 11 | 3,784.36 | 11 | 3,551.66 | 11 | 3,298.22 | 11 | 3,044.78 | 11 | 2,783.87 | 11 | 2,487.56 | 11 | 2,190.58 | 11 | 1,893.60 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,782.29 | 1/4 | 3,546.38 | 1/4 | 3,292.94 | 1/4 | 3,039.50 | 1/4 | 2,777.70 | 1/4 | 2,481.37 | 1/4 | 2,184.39 | 1/4 | 1,887.41 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,780.22 | 1/2 | 3,541.10 | 1/2 | 3,287.66 | 1/2 | 3,034.22 | 1/2 | 2,771.53 | 1/2 | 2,475.19 | 1/2 | 2,178.21 | 1/2 | 1,881.23 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,778.15 | 3/4 | 3,535.82 | 3/4 | 3,282.38 | 3/4 | 3,028.94 | 3/4 | 2,765.36 | 3/4 | 2,469.00 | 3/4 | 2,172.02 | 3/4 | 1,875.04 |

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'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "KIRBY 10215"

1 CENTER 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 | 1,868.85 | 0 | 1,571.60 | 0 | 1,274.21 | 0 | 976.81 | 0 | 685.53 | 0 | 387.93 | 0 | 90.45 | 0 | | 0 | | | |
| 1/4 | 1,862.66 | 1/4 | 1,565.40 | 1/4 | 1,268.01 | 1/4 | 970.68 | 1/4 | 679.33 | 1/4 | 381.73 | 1/4 | 84.31 | 1/4 | | 1/4 | | | |
| 1/2 | 1,856.48 | 1/2 | 1,559.21 | 1/2 | 1,261.82 | 1/2 | 964.55 | 1/2 | 673.13 | 1/2 | 375.53 | 1/2 | 78.17 | 1/2 | | 1/2 | | | |
| 3/4 | 1,850.29 | 3/4 | 1,553.01 | 3/4 | 1,255.62 | 3/4 | 958.42 | 3/4 | 666.93 | 3/4 | 369.33 | 3/4 | 72.03 | 3/4 | | 3/4 | | | |
| 1 | 1,844.10 | 1 | 1,546.82 | 1 | 1,249.42 | 1 | 952.28 | 1 | 660.73 | 1 | 363.13 | 1 | 65.89 | 1 | | 1 | | | |
| 1/4 | 1,837.92 | 1/4 | 1,540.62 | 1/4 | 1,243.23 | 1/4 | 946.21 | 1/4 | 654.53 | 1/4 | 356.93 | 1/4 | 59.81 | 1/4 | | 1/4 | | | |
| 1/2 | 1,831.73 | 1/2 | 1,534.43 | 1/2 | 1,237.03 | 1/2 | 940.14 | 1/2 | 648.33 | 1/2 | 350.73 | 1/2 | 53.72 | 1/2 | | 1/2 | | | |
| 3/4 | 1,825.54 | 3/4 | 1,528.23 | 3/4 | 1,230.84 | 3/4 | 934.07 | 3/4 | 642.13 | 3/4 | 344.53 | 3/4 | 47.64 | 3/4 | | 3/4 | | | |
| 2 | 1,819.35 | 2 | 1,522.04 | 2 | 1,224.64 | 2 | 928.00 | 2 | 635.93 | 2 | 338.33 | 2 | 41.56 | 2 | | 2 | | | |
| 1/4 | 1,813.16 | 1/4 | 1,515.84 | 1/4 | 1,218.45 | 1/4 | 921.94 | 1/4 | 629.73 | 1/4 | 332.13 | 1/4 | 36.39 | 1/4 | | 1/4 | | | |
| 1/2 | 1,806.96 | 1/2 | 1,509.64 | 1/2 | 1,212.25 | 1/2 | 915.87 | 1/2 | 623.53 | 1/2 | 325.93 | 1/2 | 31.22 | 1/2 | | 1/2 | | | |
| 3/4 | 1,800.77 | 3/4 | 1,503.45 | 3/4 | 1,206.05 | 3/4 | 909.80 | 3/4 | 617.33 | 3/4 | 319.73 | 3/4 | 26.05 | 3/4 | | 3/4 | | | |
| 3 | 1,794.57 | 3 | 1,497.25 | 3 | 1,199.86 | 3 | 903.73 | 3 | 611.13 | 3 | 313.53 | 3 | 20.89 | 3 | | 3 | | | |
| 1/4 | 1,788.38 | 1/4 | 1,491.06 | 1/4 | 1,193.66 | 1/4 | 897.68 | 1/4 | 604.93 | 1/4 | 307.33 | 1/4 | 17.78 | 1/4 | | 1/4 | | | |
| 1/2 | 1,782.18 | 1/2 | 1,484.86 | 1/2 | 1,187.47 | 1/2 | 891.63 | 1/2 | 598.73 | 1/2 | 301.13 | 1/2 | 14.68 | 1/2 | | 1/2 | | | |
| 3/4 | 1,775.99 | 3/4 | 1,478.67 | 3/4 | 1,181.27 | 3/4 | 885.57 | 3/4 | 592.53 | 3/4 | 294.93 | 3/4 | 11.57 | 3/4 | | 3/4 | | | |
| 4 | 1,769.79 | 4 | 1,472.47 | 4 | 1,175.08 | 4 | 879.52 | 4 | 586.33 | 4 | 288.73 | 4 | 8.46 | 4 | | 4 | | | |
| 1/4 | 1,763.60 | 1/4 | 1,466.27 | 1/4 | 1,168.88 | 1/4 | 873.48 | 1/4 | 580.13 | 1/4 | 282.53 | 1/4 | 7.43 | 1/4 | | 1/4 | | | |
| 1/2 | 1,757.40 | 1/2 | 1,460.08 | 1/2 | 1,162.68 | 1/2 | 867.45 | 1/2 | 573.93 | 1/2 | 276.33 | 1/2 | 6.39 | 1/2 | | 1/2 | | | |
| 3/4 | 1,751.20 | 3/4 | 1,453.88 | 3/4 | 1,156.49 | 3/4 | 861.41 | 3/4 | 567.73 | 3/4 | 270.13 | 3/4 | 5.36 | 3/4 | | 3/4 | | | |
| 5 | 1,745.01 | 5 | 1,447.69 | 5 | 1,150.29 | 5 | 855.38 | 5 | 561.53 | 5 | 263.93 | 5 | 4.33 | 5 | | 5 | | | |
| 1/4 | 1,738.81 | 1/4 | 1,441.49 | 1/4 | 1,144.10 | 1/4 | 849.34 | 1/4 | 555.33 | 1/4 | 257.73 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 1,732.62 | 1/2 | 1,435.30 | 1/2 | 1,137.90 | 1/2 | 843.30 | 1/2 | 549.13 | 1/2 | 251.53 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 1,726.43 | 3/4 | 1,429.10 | 3/4 | 1,131.71 | 3/4 | 837.27 | 3/4 | 542.93 | 3/4 | 245.33 | 3/4 | | 3/4 | | 3/4 | | | |
| 6 | 1,720.23 | 6 | 1,422.90 | 6 | 1,125.51 | 6 | 831.23 | 6 | 536.73 | 6 | 239.13 | 6 | | 6 | | 6 | | | |
| 1/4 | 1,714.04 | 1/4 | 1,416.71 | 1/4 | 1,119.31 | 1/4 | 825.20 | 1/4 | 530.53 | 1/4 | 232.93 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 1,707.85 | 1/2 | 1,410.51 | 1/2 | 1,113.12 | 1/2 | 819.16 | 1/2 | 524.33 | 1/2 | 226.73 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 1,701.65 | 3/4 | 1,404.32 | 3/4 | 1,106.92 | 3/4 | 813.12 | 3/4 | 518.13 | 3/4 | 220.53 | 3/4 | | 3/4 | | 3/4 | | | |
| 7 | 1,695.46 | 7 | 1,398.12 | 7 | 1,100.73 | 7 | 807.09 | 7 | 511.93 | 7 | 214.33 | 7 | | 7 | | 7 | | | |
| 1/4 | 1,689.27 | 1/4 | 1,391.93 | 1/4 | 1,094.53 | 1/4 | 801.05 | 1/4 | 505.73 | 1/4 | 208.13 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 1,683.08 | 1/2 | 1,385.73 | 1/2 | 1,088.34 | 1/2 | 795.01 | 1/2 | 499.53 | 1/2 | 201.93 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 1,676.88 | 3/4 | 1,379.53 | 3/4 | 1,082.14 | 3/4 | 788.98 | 3/4 | 493.33 | 3/4 | 195.73 | 3/4 | | 3/4 | | 3/4 | | | |
| 8 | 1,670.69 | 8 | 1,373.34 | 8 | 1,075.94 | 8 | 782.94 | 8 | 487.13 | 8 | 189.53 | 8 | | 8 | | 8 | | | |
| 1/4 | 1,664.50 | 1/4 | 1,367.14 | 1/4 | 1,069.75 | 1/4 | 776.91 | 1/4 | 480.93 | 1/4 | 183.33 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 1,658.31 | 1/2 | 1,360.95 | 1/2 | 1,063.55 | 1/2 | 770.87 | 1/2 | 474.73 | 1/2 | 177.13 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 1,652.12 | 3/4 | 1,354.75 | 3/4 | 1,057.36 | 3/4 | 764.83 | 3/4 | 468.53 | 3/4 | 170.93 | 3/4 | | 3/4 | | 3/4 | | | |
| 9 | 1,645.92 | 9 | 1,348.56 | 9 | 1,051.16 | 9 | 758.80 | 9 | 462.33 | 9 | 164.73 | 9 | | 9 | | 9 | | | |
| 1/4 | 1,639.73 | 1/4 | 1,342.36 | 1/4 | 1,044.97 | 1/4 | 752.76 | 1/4 | 456.13 | 1/4 | 158.53 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 1,633.54 | 1/2 | 1,336.16 | 1/2 | 1,038.77 | 1/2 | 746.72 | 1/2 | 449.93 | 1/2 | 152.32 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 1,627.35 | 3/4 | 1,329.97 | 3/4 | 1,032.57 | 3/4 | 740.69 | 3/4 | 443.73 | 3/4 | 146.12 | 3/4 | | 3/4 | | 3/4 | | | |
| 10 | 1,621.15 | 10 | 1,323.77 | 10 | 1,026.38 | 10 | 734.65 | 10 | 437.53 | 10 | 139.91 | 10 | | 10 | | 10 | | | |
| 1/4 | 1,614.96 | 1/4 | 1,317.58 | 1/4 | 1,020.18 | 1/4 | 728.55 | 1/4 | 431.33 | 1/4 | 133.72 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 1,608.77 | 1/2 | 1,311.38 | 1/2 | 1,013.99 | 1/2 | 722.45 | 1/2 | 425.13 | 1/2 | 127.53 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 1,602.58 | 3/4 | 1,305.19 | 3/4 | 1,007.79 | 3/4 | 716.35 | 3/4 | 418.93 | 3/4 | 121.33 | 3/4 | | 3/4 | | 3/4 | | | |
| 11 | 1,596.38 | 11 | 1,298.99 | 11 | 1,001.60 | 11 | 710.25 | 11 | 412.73 | 11 | 115.14 | 11 | | 11 | | 11 | | | |
| 1/4 | 1,590.19 | 1/4 | 1,292.79 | 1/4 | 995.40 | 1/4 | 704.07 | 1/4 | 406.53 | 1/4 | 108.97 | 1/4 | | 1/4 | | 1/4 | | | |
| 1/2 | 1,583.99 | 1/2 | 1,286.60 | 1/2 | 989.20 | 1/2 | 697.89 | 1/2 | 400.33 | 1/2 | 102.79 | 1/2 | | 1/2 | | 1/2 | | | |
| 3/4 | 1,577.80 | 3/4 | 1,280.40 | 3/4 | 983.01 | 3/4 | 691.71 | 3/4 | 394.13 | 3/4 | 96.62 | 3/4 | | 3/4 | | 3/4 | | | |

STRAPPED: 08/16/2010 CL - SW
CALCULATED: 08/16/2010 CL
PRINTED: 08/16/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2010

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 10215"

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 | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | | |
| 0 | | 0 | | 0 | | 0 | 3,484.01 | 0 | 3,243.66 | 0 | 2,981.76 | 0 | 2,719.86 | 0 | 2,457.47 | 0 | 2,194.19 | 0 | 1,930.90 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,482.18 | 1/4 | 3,238.20 | 1/4 | 2,976.30 | 1/4 | 2,714.41 | 1/4 | 2,451.99 | 1/4 | 2,188.70 | 1/4 | 1,925.42 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,480.35 | 1/2 | 3,232.75 | 1/2 | 2,970.85 | 1/2 | 2,708.95 | 1/2 | 2,446.50 | 1/2 | 2,183.22 | 1/2 | 1,919.93 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,478.52 | 3/4 | 3,227.29 | 3/4 | 2,965.39 | 3/4 | 2,703.49 | 3/4 | 2,441.02 | 3/4 | 2,177.73 | 3/4 | 1,914.45 | | |
| 1 | | 1 | | 1 | | 1 | 3,474.86 | 1 | 3,221.83 | 1 | 2,959.94 | 1 | 2,698.04 | 1 | 2,435.53 | 1 | 2,172.25 | 1 | 1,908.96 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,471.20 | 1/4 | 3,216.38 | 1/4 | 2,954.48 | 1/4 | 2,692.58 | 1/4 | 2,430.05 | 1/4 | 2,166.76 | 1/4 | 1,903.48 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,467.54 | 1/2 | 3,210.92 | 1/2 | 2,949.02 | 1/2 | 2,687.12 | 1/2 | 2,424.56 | 1/2 | 2,161.28 | 1/2 | 1,897.99 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,463.88 | 3/4 | 3,205.46 | 3/4 | 2,943.57 | 3/4 | 2,681.67 | 3/4 | 2,419.08 | 3/4 | 2,155.79 | 3/4 | 1,892.51 | | |
| 2 | | 2 | | 2 | | 2 | 3,458.78 | 2 | 3,200.01 | 2 | 2,938.11 | 2 | 2,676.21 | 2 | 2,413.59 | 2 | 2,150.31 | 2 | 1,887.02 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,453.68 | 1/4 | 3,194.55 | 1/4 | 2,932.65 | 1/4 | 2,670.76 | 1/4 | 2,408.11 | 1/4 | 2,144.82 | 1/4 | 1,881.54 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,448.58 | 1/2 | 3,189.10 | 1/2 | 2,927.20 | 1/2 | 2,665.30 | 1/2 | 2,402.62 | 1/2 | 2,139.34 | 1/2 | 1,876.05 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,443.48 | 3/4 | 3,183.64 | 3/4 | 2,921.74 | 3/4 | 2,659.84 | 3/4 | 2,397.14 | 3/4 | 2,133.85 | 3/4 | 1,870.57 | | |
| 3 | | 3 | | 3 | | 3 | 3,438.14 | 3 | 3,178.18 | 3 | 2,916.29 | 3 | 2,654.39 | 3 | 2,391.65 | 3 | 2,128.37 | 3 | 1,865.08 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,432.80 | 1/4 | 3,172.73 | 1/4 | 2,910.83 | 1/4 | 2,648.93 | 1/4 | 2,386.17 | 1/4 | 2,122.88 | 1/4 | 1,859.60 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,427.47 | 1/2 | 3,167.27 | 1/2 | 2,905.37 | 1/2 | 2,643.48 | 1/2 | 2,380.68 | 1/2 | 2,117.40 | 1/2 | 1,854.11 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,422.13 | 3/4 | 3,161.81 | 3/4 | 2,899.92 | 3/4 | 2,638.02 | 3/4 | 2,375.20 | 3/4 | 2,111.91 | 3/4 | 1,848.63 | | |
| 4 | | 4 | | 4 | | 4 | 3,416.78 | 4 | 3,156.36 | 4 | 2,894.46 | 4 | 2,632.56 | 4 | 2,369.71 | 4 | 2,106.43 | 4 | 1,843.14 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,411.42 | 1/4 | 3,150.90 | 1/4 | 2,889.00 | 1/4 | 2,627.11 | 1/4 | 2,364.23 | 1/4 | 2,100.94 | 1/4 | 1,837.66 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,406.07 | 1/2 | 3,145.45 | 1/2 | 2,883.55 | 1/2 | 2,621.65 | 1/2 | 2,358.74 | 1/2 | 2,095.46 | 1/2 | 1,832.17 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,400.71 | 3/4 | 3,139.99 | 3/4 | 2,878.09 | 3/4 | 2,616.19 | 3/4 | 2,353.26 | 3/4 | 2,089.97 | 3/4 | 1,826.69 | | |
| 5 | | 5 | | 5 | | 5 | 3,395.35 | 5 | 3,134.53 | 5 | 2,872.64 | 5 | 2,610.74 | 5 | 2,347.77 | 5 | 2,084.49 | 5 | 1,821.20 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,389.99 | 1/4 | 3,129.08 | 1/4 | 2,867.18 | 1/4 | 2,605.28 | 1/4 | 2,342.29 | 1/4 | 2,079.00 | 1/4 | 1,815.72 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,384.63 | 1/2 | 3,123.62 | 1/2 | 2,861.72 | 1/2 | 2,599.83 | 1/2 | 2,336.80 | 1/2 | 2,073.52 | 1/2 | 1,810.23 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,379.27 | 3/4 | 3,118.16 | 3/4 | 2,856.27 | 3/4 | 2,594.37 | 3/4 | 2,331.32 | 3/4 | 2,068.03 | 3/4 | 1,804.75 | | |
| 6 | | 6 | | 6 | | 6 | 3,373.91 | 6 | 3,112.71 | 6 | 2,850.81 | 6 | 2,588.91 | 6 | 2,325.83 | 6 | 2,062.55 | 6 | 1,799.26 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,368.56 | 1/4 | 3,107.25 | 1/4 | 2,845.35 | 1/4 | 2,583.46 | 1/4 | 2,320.35 | 1/4 | 2,057.06 | 1/4 | 1,793.78 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,363.20 | 1/2 | 3,101.80 | 1/2 | 2,839.90 | 1/2 | 2,578.00 | 1/2 | 2,314.86 | 1/2 | 2,051.58 | 1/2 | 1,788.29 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,357.84 | 3/4 | 3,096.34 | 3/4 | 2,834.44 | 3/4 | 2,572.54 | 3/4 | 2,309.38 | 3/4 | 2,046.09 | 3/4 | 1,782.81 | | |
| 7 | | 7 | | 7 | | 7 | 3,352.48 | 7 | 3,090.88 | 7 | 2,828.99 | 7 | 2,567.09 | 7 | 2,303.89 | 7 | 2,040.61 | 7 | 1,777.32 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,347.13 | 1/4 | 3,085.43 | 1/4 | 2,823.53 | 1/4 | 2,561.63 | 1/4 | 2,298.41 | 1/4 | 2,035.12 | 1/4 | 1,771.84 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,341.77 | 1/2 | 3,079.97 | 1/2 | 2,818.07 | 1/2 | 2,556.18 | 1/2 | 2,292.92 | 1/2 | 2,029.64 | 1/2 | 1,766.35 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,336.41 | 3/4 | 3,074.52 | 3/4 | 2,812.62 | 3/4 | 2,550.72 | 3/4 | 2,287.44 | 3/4 | 2,024.15 | 3/4 | 1,760.87 | | |
| 8 | | 8 | | 8 | | 8 | 3,330.96 | 8 | 3,069.06 | 8 | 2,807.16 | 8 | 2,545.23 | 8 | 2,281.95 | 8 | 2,018.67 | 8 | 1,755.38 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,325.50 | 1/4 | 3,063.60 | 1/4 | 2,801.71 | 1/4 | 2,539.75 | 1/4 | 2,276.47 | 1/4 | 2,013.18 | 1/4 | 1,749.90 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,320.04 | 1/2 | 3,058.15 | 1/2 | 2,796.25 | 1/2 | 2,534.26 | 1/2 | 2,270.98 | 1/2 | 2,007.70 | 1/2 | 1,744.41 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,314.59 | 3/4 | 3,052.69 | 3/4 | 2,790.79 | 3/4 | 2,528.78 | 3/4 | 2,265.49 | 3/4 | 2,002.21 | 3/4 | 1,738.93 | | |
| 9 | | 9 | | 9 | | 9 | 3,309.13 | 9 | 3,047.23 | 9 | 2,785.34 | 9 | 2,523.29 | 9 | 2,260.01 | 9 | 1,996.72 | 9 | 1,733.44 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,303.68 | 1/4 | 3,041.78 | 1/4 | 2,779.88 | 1/4 | 2,517.81 | 1/4 | 2,254.52 | 1/4 | 1,991.24 | 1/4 | 1,727.96 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,298.22 | 1/2 | 3,036.32 | 1/2 | 2,774.42 | 1/2 | 2,512.32 | 1/2 | 2,249.04 | 1/2 | 1,985.75 | 1/2 | 1,722.47 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,292.76 | 3/4 | 3,030.87 | 3/4 | 2,768.97 | 3/4 | 2,506.84 | 3/4 | 2,243.55 | 3/4 | 1,980.27 | 3/4 | 1,716.98 | | |
| 10 | | 10 | | 10 | | 10 | 3,287.31 | 10 | 3,025.41 | 10 | 2,763.51 | 10 | 2,501.35 | 10 | 2,238.07 | 10 | 1,974.78 | 10 | 1,711.50 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,281.85 | 1/4 | 3,019.95 | 1/4 | 2,758.06 | 1/4 | 2,495.87 | 1/4 | 2,232.58 | 1/4 | 1,969.30 | 1/4 | 1,706.01 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,276.39 | 1/2 | 3,014.50 | 1/2 | 2,752.60 | 1/2 | 2,490.38 | 1/2 | 2,227.10 | 1/2 | 1,963.81 | 1/2 | 1,700.53 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,270.94 | 3/4 | 3,009.04 | 3/4 | 2,747.14 | 3/4 | 2,484.90 | 3/4 | 2,221.61 | 3/4 | 1,958.33 | 3/4 | 1,695.04 | | |
| 11 | | 11 | | 11 | | 11 | 3,265.48 | 11 | 3,003.58 | 11 | 2,741.69 | 11 | 2,479.41 | 11 | 2,216.13 | 11 | 1,952.84 | 11 | 1,689.56 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,486.75 | 1/4 | 3,260.03 | 1/4 | 2,998.13 | 1/4 | 2,736.23 | 1/4 | 2,473.93 | 1/4 | 2,210.64 | 1/4 | 1,947.36 | 1/4 | 1,684.07 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,486.30 | 1/2 | 3,254.57 | 1/2 | 2,992.67 | 1/2 | 2,730.77 | 1/2 | 2,468.44 | 1/2 | 2,205.16 | 1/2 | 1,941.87 | 1/2 | 1,678.59 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,485.84 | 3/4 | 3,249.11 | 3/4 | 2,987.22 | 3/4 | 2,725.32 | 3/4 | 2,462.96 | 3/4 | 2,199.67 | 3/4 | 1,936.39 | 3/4 | 1,673.10 |

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 27'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 10215"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

| 10 FT. | | | 11 FT. | | | 12 FT. | | | 13 FT. | | | 14 FT. | | | 15 FT. | | | 16 FT. | | | 17 FT. | | | 18 FT. | | | 19 FT. | | | | | |
|--------|--|----------|--------|--|----------|--------|--|----------|--------|--|--------|--------|--|--------|--------|--|--------|--------|--|-------|--------|--|-----|--------|-----|--|--------|--|--|----|--|--|
| IN | | | IN | | | IN | | | IN | | | IN | | | IN | | | IN | | | IN | | | IN | | | IN | | | IN | | |
| 0 | | 1,667.62 | 0 | | 1,404.33 | 0 | | 1,140.86 | 0 | | 879.35 | 0 | | 619.89 | 0 | | 356.45 | 0 | | 93.13 | 0 | | | 0 | | | | | | | | |
| 1/4 | | 1,662.13 | 1/4 | | 1,398.84 | 1/4 | | 1,135.37 | 1/4 | | 873.95 | 1/4 | | 614.40 | 1/4 | | 350.96 | 1/4 | | 87.68 | 1/4 | | 1/4 | | 1/4 | | | | | | | |
| 1/2 | | 1,656.65 | 1/2 | | 1,393.35 | 1/2 | | 1,129.89 | 1/2 | | 868.54 | 1/2 | | 608.91 | 1/2 | | 345.47 | 1/2 | | 82.23 | 1/2 | | 1/2 | | 1/2 | | | | | | | |
| 3/4 | | 1,651.16 | 3/4 | | 1,387.86 | 3/4 | | 1,124.40 | 3/4 | | 863.14 | 3/4 | | 603.42 | 3/4 | | 339.98 | 3/4 | | 76.77 | 3/4 | | 3/4 | | 3/4 | | | | | | | |
| 1 | | 1,645.68 | 1 | | 1,382.37 | 1 | | 1,118.91 | 1 | | 857.73 | 1 | | 597.93 | 1 | | 334.49 | 1 | | 71.35 | 1 | | 1 | | 1 | | | | | | | |
| 1/4 | | 1,640.19 | 1/4 | | 1,376.89 | 1/4 | | 1,113.42 | 1/4 | | 852.33 | 1/4 | | 592.44 | 1/4 | | 329.01 | 1/4 | | 65.92 | 1/4 | | 1/4 | | 1/4 | | | | | | | |
| 1/2 | | 1,634.71 | 1/2 | | 1,371.40 | 1/2 | | 1,107.93 | 1/2 | | 846.93 | 1/2 | | 586.96 | 1/2 | | 323.52 | 1/2 | | 60.50 | 1/2 | | 1/2 | | 1/2 | | | | | | | |
| 3/4 | | 1,629.22 | 3/4 | | 1,365.91 | 3/4 | | 1,102.44 | 3/4 | | 841.52 | 3/4 | | 581.47 | 3/4 | | 318.03 | 3/4 | | 55.07 | 3/4 | | 3/4 | | 3/4 | | | | | | | |
| 2 | | 1,623.74 | 2 | | 1,360.42 | 2 | | 1,096.95 | 2 | | 836.12 | 2 | | 575.98 | 2 | | 312.54 | 2 | | 49.70 | 2 | | 2 | | 2 | | | | | | | |
| 1/4 | | 1,618.25 | 1/4 | | 1,354.93 | 1/4 | | 1,091.46 | 1/4 | | 830.71 | 1/4 | | 570.49 | 1/4 | | 307.05 | 1/4 | | 44.32 | 1/4 | | 1/4 | | 1/4 | | | | | | | |
| 1/2 | | 1,612.77 | 1/2 | | 1,349.44 | 1/2 | | 1,085.97 | 1/2 | | 825.31 | 1/2 | | 565.00 | 1/2 | | 301.56 | 1/2 | | 38.95 | 1/2 | | 1/2 | | 1/2 | | | | | | | |
| 3/4 | | 1,607.28 | 3/4 | | 1,343.95 | 3/4 | | 1,080.49 | 3/4 | | 819.91 | 3/4 | | 559.51 | 3/4 | | 296.08 | 3/4 | | 33.57 | 3/4 | | 3/4 | | 3/4 | | | | | | | |
| 3 | | 1,601.80 | 3 | | 1,338.46 | 3 | | 1,075.00 | 3 | | 814.51 | 3 | | 554.03 | 3 | | 290.59 | 3 | | 29.01 | 3 | | 3 | | 3 | | | | | | | |
| 1/4 | | 1,596.31 | 1/4 | | 1,332.97 | 1/4 | | 1,069.51 | 1/4 | | 809.11 | 1/4 | | 548.54 | 1/4 | | 285.10 | 1/4 | | 24.44 | 1/4 | | 1/4 | | 1/4 | | | | | | | |
| 1/2 | | 1,590.83 | 1/2 | | 1,327.49 | 1/2 | | 1,064.02 | 1/2 | | 803.71 | 1/2 | | 543.05 | 1/2 | | 279.61 | 1/2 | | 19.88 | 1/2 | | 1/2 | | 1/2 | | | | | | | |
| 3/4 | | 1,585.34 | 3/4 | | 1,322.00 | 3/4 | | 1,058.53 | 3/4 | | 798.31 | 3/4 | | 537.56 | 3/4 | | 274.12 | 3/4 | | 15.31 | 3/4 | | 3/4 | | 3/4 | | | | | | | |
| 4 | | 1,579.86 | 4 | | 1,316.51 | 4 | | 1,053.04 | 4 | | 792.91 | 4 | | 532.07 | 4 | | 268.63 | 4 | | 12.57 | 4 | | 4 | | 4 | | | | | | | |
| 1/4 | | 1,574.37 | 1/4 | | 1,311.02 | 1/4 | | 1,047.55 | 1/4 | | 787.51 | 1/4 | | 526.58 | 1/4 | | 263.15 | 1/4 | | 9.82 | 1/4 | | 1/4 | | 1/4 | | | | | | | |
| 1/2 | | 1,568.89 | 1/2 | | 1,305.53 | 1/2 | | 1,042.06 | 1/2 | | 782.12 | 1/2 | | 521.10 | 1/2 | | 257.66 | 1/2 | | 7.08 | 1/2 | | 1/2 | | 1/2 | | | | | | | |
| 3/4 | | 1,563.40 | 3/4 | | 1,300.04 | 3/4 | | 1,036.57 | 3/4 | | 776.72 | 3/4 | | 515.61 | 3/4 | | 252.17 | 3/4 | | 4.34 | 3/4 | | 3/4 | | 3/4 | | | | | | | |
| 5 | | 1,557.92 | 5 | | 1,294.55 | 5 | | 1,031.09 | 5 | | 771.32 | 5 | | 510.12 | 5 | | 246.68 | 5 | | 3.42 | 5 | | 5 | | 5 | | | | | | | |
| 1/4 | | 1,552.43 | 1/4 | | 1,289.06 | 1/4 | | 1,025.60 | 1/4 | | 765.92 | 1/4 | | 504.63 | 1/4 | | 241.19 | 1/4 | | 2.51 | 1/4 | | 1/4 | | 1/4 | | | | | | | |
| 1/2 | | 1,546.95 | 1/2 | | 1,283.57 | 1/2 | | 1,020.11 | 1/2 | | 760.52 | 1/2 | | 499.14 | 1/2 | | 235.70 | 1/2 | | 1.59 | 1/2 | | 1/2 | | 1/2 | | | | | | | |
| 3/4 | | 1,541.46 | 3/4 | | 1,278.09 | 3/4 | | 1,014.62 | 3/4 | | 755.12 | 3/4 | | 493.65 | 3/4 | | 230.22 | 3/4 | | 0.68 | 3/4 | | 3/4 | | 3/4 | | | | | | | |
| 6 | | 1,535.98 | 6 | | 1,272.60 | 6 | | 1,009.17 | 6 | | 749.72 | 6 | | 488.17 | 6 | | 224.73 | 6 | | | 6 | | 6 | | 6 | | | | | | | |
| 1/4 | | 1,530.49 | 1/4 | | 1,267.11 | 1/4 | | 1,003.73 | 1/4 | | 744.33 | 1/4 | | 482.68 | 1/4 | | 219.24 | 1/4 | | | 1/4 | | 1/4 | | 1/4 | | | | | | | |
| 1/2 | | 1,525.01 | 1/2 | | 1,261.62 | 1/2 | | 998.28 | 1/2 | | 738.93 | 1/2 | | 477.19 | 1/2 | | 213.75 | 1/2 | | | 1/2 | | 1/2 | | 1/2 | | | | | | | |
| 3/4 | | 1,519.52 | 3/4 | | 1,256.13 | 3/4 | | 992.83 | 3/4 | | 733.53 | 3/4 | | 471.70 | 3/4 | | 208.26 | 3/4 | | | 3/4 | | 3/4 | | 3/4 | | | | | | | |
| 7 | | 1,514.04 | 7 | | 1,250.64 | 7 | | 987.43 | 7 | | 728.13 | 7 | | 466.21 | 7 | | 202.77 | 7 | | | 7 | | 7 | | 7 | | | | | | | |
| 1/4 | | 1,508.55 | 1/4 | | 1,245.15 | 1/4 | | 982.03 | 1/4 | | 722.73 | 1/4 | | 460.72 | 1/4 | | 197.29 | 1/4 | | | 1/4 | | 1/4 | | 1/4 | | | | | | | |
| 1/2 | | 1,503.07 | 1/2 | | 1,239.66 | 1/2 | | 976.62 | 1/2 | | 717.33 | 1/2 | | 455.24 | 1/2 | | 191.80 | 1/2 | | | 1/2 | | 1/2 | | 1/2 | | | | | | | |
| 3/4 | | 1,497.58 | 3/4 | | 1,234.17 | 3/4 | | 971.22 | 3/4 | | 711.93 | 3/4 | | 449.75 | 3/4 | | 186.31 | 3/4 | | | 3/4 | | 3/4 | | 3/4 | | | | | | | |
| 8 | | 1,492.10 | 8 | | 1,228.69 | 8 | | 965.81 | 8 | | 706.54 | 8 | | 444.26 | 8 | | 180.82 | 8 | | | 8 | | 8 | | 8 | | | | | | | |
| 1/4 | | 1,486.61 | 1/4 | | 1,223.20 | 1/4 | | 960.41 | 1/4 | | 701.14 | 1/4 | | 438.77 | 1/4 | | 175.33 | 1/4 | | | 1/4 | | 1/4 | | 1/4 | | | | | | | |
| 1/2 | | 1,481.13 | 1/2 | | 1,217.71 | 1/2 | | 955.01 | 1/2 | | 695.74 | 1/2 | | 433.28 | 1/2 | | 169.85 | 1/2 | | | 1/2 | | 1/2 | | 1/2 | | | | | | | |
| 3/4 | | 1,475.64 | 3/4 | | 1,212.22 | 3/4 | | 949.60 | 3/4 | | 690.34 | 3/4 | | 427.80 | 3/4 | | 164.36 | 3/4 | | | 3/4 | | 3/4 | | 3/4 | | | | | | | |
| 9 | | 1,470.16 | 9 | | 1,206.73 | 9 | | 944.20 | 9 | | 684.94 | 9 | | 422.31 | 9 | | 158.87 | 9 | | | 9 | | 9 | | 9 | | | | | | | |
| 1/4 | | 1,464.67 | 1/4 | | 1,201.24 | 1/4 | | 938.79 | 1/4 | | 679.54 | 1/4 | | 416.82 | 1/4 | | 153.38 | 1/4 | | | 1/4 | | 1/4 | | 1/4 | | | | | | | |
| 1/2 | | 1,459.19 | 1/2 | | 1,195.75 | 1/2 | | 933.39 | 1/2 | | 674.14 | 1/2 | | 411.33 | 1/2 | | 147.89 | 1/2 | | | 1/2 | | 1/2 | | 1/2 | | | | | | | |
| 3/4 | | 1,453.70 | 3/4 | | 1,190.26 | 3/4 | | 927.99 | 3/4 | | 668.75 | 3/4 | | 405.84 | 3/4 | | 142.41 | 3/4 | | | 3/4 | | 3/4 | | 3/4 | | | | | | | |
| 10 | | 1,448.21 | 10 | | 1,184.77 | 10 | | 922.58 | 10 | | 663.35 | 10 | | 400.35 | 10 | | 136.92 | 10 | | | 10 | | 10 | | 10 | | | | | | | |
| 1/4 | | 1,442.73 | 1/4 | | 1,179.29 | 1/4 | | 917.18 | 1/4 | | 657.95 | 1/4 | | 394.87 | 1/4 | | 131.44 | 1/4 | | | 1/4 | | 1/4 | | 1/4 | | | | | | | |
| 1/2 | | 1,437.24 | 1/2 | | 1,173.80 | 1/2 | | 911.77 | 1/2 | | 652.55 | 1/2 | | 389.38 | 1/2 | | 125.96 | 1/2 | | | 1/2 | | 1/2 | | 1/2 | | | | | | | |
| 3/4 | | 1,431.76 | 3/4 | | 1,168.31 | 3/4 | | 906.37 | 3/4 | | 647.16 | 3/4 | | 383.89 | 3/4 | | 120.48 | 3/4 | | | 3/4 | | 3/4 | | 3/4 | | | | | | | |
| 11 | | 1,426.27 | 11 | | 1,162.82 | 11 | | 900.97 | 11 | | 641.71 | 11 | | 378.40 | 11 | | 115.00 | 11 | | | 11 | | 11 | | 11 | | | | | | | |
| 1/4 | | 1,420.79 | 1/4 | | 1,157.33 | 1/4 | | 895.56 | 1/4 | | 636.27 | 1/4 | | 372.91 | 1/4 | | 109.53 | 1/4 | | | 1/4 | | 1/4 | | 1/4 | | | | | | | |
| 1/2 | | 1,415.30 | 1/2 | | 1,151.84 | 1/2 | | 890.16 | 1/2 | | 630.82 | 1/2 | | 367.42 | 1/2 | | 104.06 | 1/2 | | | 1/2 | | 1/2 | | 1/2 | | | | | | | |
| 3/4 | | 1,409.82 | 3/4 | | 1,146.35 | 3/4 | | 884.75 | 3/4 | | 625.37 | 3/4 | | 361.94 | 3/4 | | 98.59 | 3/4 | | | 3/4 | | 3/4 | | 3/4 | | | | | | | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/16/2010 CL - SW
CALCULATED: 08/16/2010 CL
PRINTED: 08/16/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2010

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



BARGE "KIRBY 10215"

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 | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | | |
| 0 | | 0 | | 0 | | 0 | 3,462.63 | 0 | 3,216.63 | 0 | 2,956.40 | 0 | 2,696.17 | 0 | 2,435.39 | 0 | 2,173.76 | 0 | 1,912.12 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,460.81 | 1/4 | 3,211.21 | 1/4 | 2,950.98 | 1/4 | 2,690.75 | 1/4 | 2,429.94 | 1/4 | 2,168.30 | 1/4 | 1,906.67 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,457.18 | 1/2 | 3,205.78 | 1/2 | 2,945.56 | 1/2 | 2,685.33 | 1/2 | 2,424.49 | 1/2 | 2,162.85 | 1/2 | 1,901.22 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,453.54 | 3/4 | 3,200.36 | 3/4 | 2,940.14 | 3/4 | 2,679.91 | 3/4 | 2,419.04 | 3/4 | 2,157.40 | 3/4 | 1,895.77 | | |
| 1 | | 1 | | 1 | | 1 | 3,449.90 | 1 | 3,194.94 | 1 | 2,934.71 | 1 | 2,674.49 | 1 | 2,413.59 | 1 | 2,151.95 | 1 | 1,890.32 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,446.27 | 1/4 | 3,189.52 | 1/4 | 2,929.29 | 1/4 | 2,669.07 | 1/4 | 2,408.14 | 1/4 | 2,146.50 | 1/4 | 1,884.87 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,441.20 | 1/2 | 3,184.10 | 1/2 | 2,923.87 | 1/2 | 2,663.64 | 1/2 | 2,402.68 | 1/2 | 2,141.05 | 1/2 | 1,879.42 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,436.13 | 3/4 | 3,178.68 | 3/4 | 2,918.45 | 3/4 | 2,658.22 | 3/4 | 2,397.23 | 3/4 | 2,135.60 | 3/4 | 1,873.97 | | |
| 2 | | 2 | | 2 | | 2 | 3,431.06 | 2 | 3,173.26 | 2 | 2,913.03 | 2 | 2,652.80 | 2 | 2,391.78 | 2 | 2,130.15 | 2 | 1,868.52 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,425.99 | 1/4 | 3,167.83 | 1/4 | 2,907.61 | 1/4 | 2,647.38 | 1/4 | 2,386.33 | 1/4 | 2,124.70 | 1/4 | 1,863.07 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,420.69 | 1/2 | 3,162.41 | 1/2 | 2,902.19 | 1/2 | 2,641.96 | 1/2 | 2,380.88 | 1/2 | 2,119.25 | 1/2 | 1,857.61 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,415.39 | 3/4 | 3,156.99 | 3/4 | 2,896.76 | 3/4 | 2,636.54 | 3/4 | 2,375.43 | 3/4 | 2,113.80 | 3/4 | 1,852.16 | | |
| 3 | | 3 | | 3 | | 3 | 3,410.09 | 3 | 3,151.57 | 3 | 2,891.34 | 3 | 2,631.12 | 3 | 2,369.98 | 3 | 2,108.35 | 3 | 1,846.71 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,404.79 | 1/4 | 3,146.15 | 1/4 | 2,885.92 | 1/4 | 2,625.69 | 1/4 | 2,364.53 | 1/4 | 2,102.90 | 1/4 | 1,841.26 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,399.47 | 1/2 | 3,140.73 | 1/2 | 2,880.50 | 1/2 | 2,620.27 | 1/2 | 2,359.08 | 1/2 | 2,097.45 | 1/2 | 1,835.81 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,394.15 | 3/4 | 3,135.31 | 3/4 | 2,875.08 | 3/4 | 2,614.85 | 3/4 | 2,353.63 | 3/4 | 2,091.99 | 3/4 | 1,830.36 | | |
| 4 | | 4 | | 4 | | 4 | 3,388.84 | 4 | 3,129.88 | 4 | 2,869.66 | 4 | 2,609.43 | 4 | 2,348.18 | 4 | 2,086.54 | 4 | 1,824.91 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,383.52 | 1/4 | 3,124.46 | 1/4 | 2,864.24 | 1/4 | 2,604.01 | 1/4 | 2,342.73 | 1/4 | 2,081.09 | 1/4 | 1,819.46 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,378.19 | 1/2 | 3,119.04 | 1/2 | 2,858.81 | 1/2 | 2,598.59 | 1/2 | 2,337.28 | 1/2 | 2,075.64 | 1/2 | 1,814.01 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,372.87 | 3/4 | 3,113.62 | 3/4 | 2,853.39 | 3/4 | 2,593.17 | 3/4 | 2,331.83 | 3/4 | 2,070.19 | 3/4 | 1,808.56 | | |
| 5 | | 5 | | 5 | | 5 | 3,367.54 | 5 | 3,108.20 | 5 | 2,847.97 | 5 | 2,587.74 | 5 | 2,326.37 | 5 | 2,064.74 | 5 | 1,803.11 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,362.21 | 1/4 | 3,102.78 | 1/4 | 2,842.55 | 1/4 | 2,582.32 | 1/4 | 2,320.92 | 1/4 | 2,059.29 | 1/4 | 1,797.66 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,356.89 | 1/2 | 3,097.36 | 1/2 | 2,837.13 | 1/2 | 2,576.90 | 1/2 | 2,315.47 | 1/2 | 2,053.84 | 1/2 | 1,792.21 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,351.57 | 3/4 | 3,091.93 | 3/4 | 2,831.71 | 3/4 | 2,571.48 | 3/4 | 2,310.02 | 3/4 | 2,048.39 | 3/4 | 1,786.76 | | |
| 6 | | 6 | | 6 | | 6 | 3,346.25 | 6 | 3,086.51 | 6 | 2,826.29 | 6 | 2,566.06 | 6 | 2,304.57 | 6 | 2,042.94 | 6 | 1,781.30 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,340.92 | 1/4 | 3,081.09 | 1/4 | 2,820.86 | 1/4 | 2,560.64 | 1/4 | 2,299.12 | 1/4 | 2,037.49 | 1/4 | 1,775.85 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,335.60 | 1/2 | 3,075.67 | 1/2 | 2,815.44 | 1/2 | 2,555.22 | 1/2 | 2,293.67 | 1/2 | 2,032.04 | 1/2 | 1,770.40 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,330.28 | 3/4 | 3,070.25 | 3/4 | 2,810.02 | 3/4 | 2,549.79 | 3/4 | 2,288.22 | 3/4 | 2,026.59 | 3/4 | 1,764.95 | | |
| 7 | | 7 | | 7 | | 7 | 3,324.96 | 7 | 3,064.83 | 7 | 2,804.60 | 7 | 2,544.37 | 7 | 2,282.77 | 7 | 2,021.14 | 7 | 1,759.50 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,319.63 | 1/4 | 3,059.41 | 1/4 | 2,799.18 | 1/4 | 2,538.95 | 1/4 | 2,277.32 | 1/4 | 2,015.68 | 1/4 | 1,754.05 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,314.21 | 1/2 | 3,053.99 | 1/2 | 2,793.76 | 1/2 | 2,533.50 | 1/2 | 2,271.87 | 1/2 | 2,010.23 | 1/2 | 1,748.60 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,308.79 | 3/4 | 3,048.56 | 3/4 | 2,788.34 | 3/4 | 2,528.05 | 3/4 | 2,266.42 | 3/4 | 2,004.78 | 3/4 | 1,743.15 | | |
| 8 | | 8 | | 8 | | 8 | 3,303.37 | 8 | 3,043.14 | 8 | 2,782.92 | 8 | 2,522.60 | 8 | 2,260.97 | 8 | 1,999.33 | 8 | 1,737.70 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,297.95 | 1/4 | 3,037.72 | 1/4 | 2,777.49 | 1/4 | 2,517.15 | 1/4 | 2,255.52 | 1/4 | 1,993.88 | 1/4 | 1,732.25 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,292.53 | 1/2 | 3,032.30 | 1/2 | 2,772.07 | 1/2 | 2,511.70 | 1/2 | 2,250.07 | 1/2 | 1,988.43 | 1/2 | 1,726.80 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,287.11 | 3/4 | 3,026.88 | 3/4 | 2,766.65 | 3/4 | 2,506.25 | 3/4 | 2,244.61 | 3/4 | 1,982.98 | 3/4 | 1,721.35 | | |
| 9 | | 9 | | 9 | | 9 | 3,281.68 | 9 | 3,021.46 | 9 | 2,761.23 | 9 | 2,500.80 | 9 | 2,239.16 | 9 | 1,977.53 | 9 | 1,715.90 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,276.26 | 1/4 | 3,016.04 | 1/4 | 2,755.81 | 1/4 | 2,495.35 | 1/4 | 2,233.71 | 1/4 | 1,972.08 | 1/4 | 1,710.45 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,270.84 | 1/2 | 3,010.61 | 1/2 | 2,750.39 | 1/2 | 2,489.90 | 1/2 | 2,228.26 | 1/2 | 1,966.63 | 1/2 | 1,705.00 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,265.42 | 3/4 | 3,005.19 | 3/4 | 2,744.97 | 3/4 | 2,484.45 | 3/4 | 2,222.81 | 3/4 | 1,961.18 | 3/4 | 1,699.54 | | |
| 10 | | 10 | | 10 | | 10 | 3,260.00 | 10 | 2,999.77 | 10 | 2,739.54 | 10 | 2,478.99 | 10 | 2,217.36 | 10 | 1,955.73 | 10 | 1,694.09 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,254.58 | 1/4 | 2,994.35 | 1/4 | 2,734.12 | 1/4 | 2,473.54 | 1/4 | 2,211.91 | 1/4 | 1,950.28 | 1/4 | 1,688.64 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,249.16 | 1/2 | 2,988.93 | 1/2 | 2,728.70 | 1/2 | 2,468.09 | 1/2 | 2,206.46 | 1/2 | 1,944.83 | 1/2 | 1,683.19 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,468.99 | 3/4 | 3,243.73 | 3/4 | 2,983.51 | 3/4 | 2,723.28 | 3/4 | 2,462.64 | 3/4 | 2,201.01 | 3/4 | 1,939.38 | 3/4 | 1,677.74 |
| 11 | | 11 | | 11 | | 11 | 3,238.54 | 11 | 2,978.09 | 11 | 2,717.86 | 11 | 2,457.19 | 11 | 2,195.56 | 11 | 1,933.92 | 11 | 1,672.29 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 3,468.08 | 1/4 | 3,232.89 | 1/4 | 2,972.66 | 1/4 | 2,712.44 | 1/4 | 2,451.74 | 1/4 | 2,190.11 | 1/4 | 1,928.47 | 1/4 | 1,666.84 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 3,466.27 | 1/2 | 3,227.47 | 1/2 | 2,967.24 | 1/2 | 2,707.02 | 1/2 | 2,446.29 | 1/2 | 2,184.66 | 1/2 | 1,923.02 | 1/2 | 1,661.39 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 3,464.45 | 3/4 | 3,222.05 | 3/4 | 2,961.82 | 3/4 | 2,701.59 | 3/4 | 2,440.84 | 3/4 | 2,179.21 | 3/4 | 1,917.57 | 3/4 | 1,655.94 |

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 27'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 10215"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 1,650.49 | 0 | 1,388.84 | 0 | 1,127.04 | 0 | 866.23 | 0 | 605.08 | 0 | 343.30 | 0 | 81.71 | 0 | | 0 | | 0 | |
| 1/4 | 1,645.04 | 1/4 | 1,383.39 | 1/4 | 1,121.59 | 1/4 | 860.81 | 1/4 | 599.63 | 1/4 | 337.85 | 1/4 | 76.30 | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 1,639.59 | 1/2 | 1,377.94 | 1/2 | 1,116.13 | 1/2 | 855.39 | 1/2 | 594.18 | 1/2 | 332.39 | 1/2 | 70.90 | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 1,634.14 | 3/4 | 1,372.48 | 3/4 | 1,110.68 | 3/4 | 849.97 | 3/4 | 588.72 | 3/4 | 326.94 | 3/4 | 65.51 | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 1 | 1,628.69 | 1 | 1,367.03 | 1 | 1,105.23 | 1 | 844.56 | 1 | 583.27 | 1 | 321.49 | 1 | 60.12 | 1 | 1 | 1 | | 1 | 1 |
| 1/4 | 1,623.23 | 1/4 | 1,361.57 | 1/4 | 1,099.77 | 1/4 | 839.14 | 1/4 | 577.81 | 1/4 | 316.03 | 1/4 | 54.73 | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 1,617.78 | 1/2 | 1,356.12 | 1/2 | 1,094.32 | 1/2 | 833.72 | 1/2 | 572.36 | 1/2 | 310.58 | 1/2 | 49.39 | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 1,612.33 | 3/4 | 1,350.66 | 3/4 | 1,088.86 | 3/4 | 828.30 | 3/4 | 566.91 | 3/4 | 305.12 | 3/4 | 44.05 | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 2 | 1,606.88 | 2 | 1,345.21 | 2 | 1,083.41 | 2 | 822.88 | 2 | 561.45 | 2 | 299.67 | 2 | 38.71 | 2 | 2 | 2 | | 2 | 2 |
| 1/4 | 1,601.43 | 1/4 | 1,339.76 | 1/4 | 1,077.95 | 1/4 | 817.47 | 1/4 | 556.00 | 1/4 | 294.22 | 1/4 | 33.37 | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 1,595.98 | 1/2 | 1,334.30 | 1/2 | 1,072.50 | 1/2 | 812.05 | 1/2 | 550.55 | 1/2 | 288.76 | 1/2 | 28.83 | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 1,590.53 | 3/4 | 1,328.85 | 3/4 | 1,067.05 | 3/4 | 806.64 | 3/4 | 545.09 | 3/4 | 283.31 | 3/4 | 24.30 | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 3 | 1,585.08 | 3 | 1,323.39 | 3 | 1,061.59 | 3 | 801.23 | 3 | 539.64 | 3 | 277.86 | 3 | 19.76 | 3 | 3 | 3 | | 3 | 3 |
| 1/4 | 1,579.63 | 1/4 | 1,317.94 | 1/4 | 1,056.14 | 1/4 | 795.82 | 1/4 | 534.18 | 1/4 | 272.40 | 1/4 | 15.22 | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 1,574.18 | 1/2 | 1,312.49 | 1/2 | 1,050.68 | 1/2 | 790.37 | 1/2 | 528.73 | 1/2 | 266.95 | 1/2 | 12.50 | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 1,568.73 | 3/4 | 1,307.03 | 3/4 | 1,045.23 | 3/4 | 784.92 | 3/4 | 523.28 | 3/4 | 261.49 | 3/4 | 9.77 | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 4 | 1,563.28 | 4 | 1,301.58 | 4 | 1,039.78 | 4 | 779.47 | 4 | 517.82 | 4 | 256.04 | 4 | 7.04 | 4 | 4 | 4 | | 4 | 4 |
| 1/4 | 1,557.83 | 1/4 | 1,296.12 | 1/4 | 1,034.32 | 1/4 | 774.02 | 1/4 | 512.37 | 1/4 | 250.59 | 1/4 | 4.31 | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 1,552.38 | 1/2 | 1,290.67 | 1/2 | 1,028.87 | 1/2 | 768.57 | 1/2 | 506.92 | 1/2 | 245.13 | 1/2 | 3.41 | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 1,546.92 | 3/4 | 1,285.21 | 3/4 | 1,023.41 | 3/4 | 763.12 | 3/4 | 501.46 | 3/4 | 239.68 | 3/4 | 2.50 | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 5 | 1,541.47 | 5 | 1,279.76 | 5 | 1,017.96 | 5 | 757.68 | 5 | 496.01 | 5 | 234.23 | 5 | 1.59 | 5 | 5 | 5 | | 5 | 5 |
| 1/4 | 1,536.02 | 1/4 | 1,274.31 | 1/4 | 1,012.50 | 1/4 | 752.23 | 1/4 | 490.55 | 1/4 | 228.77 | 1/4 | 0.68 | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 1,530.57 | 1/2 | 1,268.85 | 1/2 | 1,007.09 | 1/2 | 746.78 | 1/2 | 485.10 | 1/2 | 223.32 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 1,525.12 | 3/4 | 1,263.40 | 3/4 | 1,001.67 | 3/4 | 741.33 | 3/4 | 479.65 | 3/4 | 217.86 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 6 | 1,519.67 | 6 | 1,257.94 | 6 | 996.25 | 6 | 735.88 | 6 | 474.19 | 6 | 212.41 | 6 | | 6 | 6 | 6 | | 6 | 6 |
| 1/4 | 1,514.22 | 1/4 | 1,252.49 | 1/4 | 990.83 | 1/4 | 730.43 | 1/4 | 468.74 | 1/4 | 206.96 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 1,508.77 | 1/2 | 1,247.03 | 1/2 | 985.42 | 1/2 | 724.98 | 1/2 | 463.29 | 1/2 | 201.50 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 1,503.32 | 3/4 | 1,241.58 | 3/4 | 980.00 | 3/4 | 719.53 | 3/4 | 457.83 | 3/4 | 196.05 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 7 | 1,497.87 | 7 | 1,236.13 | 7 | 974.58 | 7 | 714.08 | 7 | 452.38 | 7 | 190.60 | 7 | | 7 | 7 | 7 | | 7 | 7 |
| 1/4 | 1,492.42 | 1/4 | 1,230.67 | 1/4 | 969.16 | 1/4 | 708.64 | 1/4 | 446.92 | 1/4 | 185.14 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 1,486.97 | 1/2 | 1,225.22 | 1/2 | 963.74 | 1/2 | 703.19 | 1/2 | 441.47 | 1/2 | 179.69 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 1,481.52 | 3/4 | 1,219.76 | 3/4 | 958.33 | 3/4 | 697.74 | 3/4 | 436.02 | 3/4 | 174.23 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 8 | 1,476.07 | 8 | 1,214.31 | 8 | 952.91 | 8 | 692.29 | 8 | 430.56 | 8 | 168.78 | 8 | | 8 | 8 | 8 | | 8 | 8 |
| 1/4 | 1,470.61 | 1/4 | 1,208.86 | 1/4 | 947.49 | 1/4 | 686.84 | 1/4 | 425.11 | 1/4 | 163.33 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 1,465.16 | 1/2 | 1,203.40 | 1/2 | 942.07 | 1/2 | 681.39 | 1/2 | 419.65 | 1/2 | 157.87 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 1,459.71 | 3/4 | 1,197.95 | 3/4 | 936.66 | 3/4 | 675.94 | 3/4 | 414.20 | 3/4 | 152.42 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 9 | 1,454.26 | 9 | 1,192.49 | 9 | 931.24 | 9 | 670.49 | 9 | 408.75 | 9 | 146.97 | 9 | | 9 | 9 | 9 | | 9 | 9 |
| 1/4 | 1,448.81 | 1/4 | 1,187.04 | 1/4 | 925.82 | 1/4 | 665.05 | 1/4 | 403.29 | 1/4 | 141.51 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 1,443.36 | 1/2 | 1,181.58 | 1/2 | 920.40 | 1/2 | 659.60 | 1/2 | 397.84 | 1/2 | 136.07 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 1,437.91 | 3/4 | 1,176.13 | 3/4 | 914.99 | 3/4 | 654.15 | 3/4 | 392.39 | 3/4 | 130.62 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 10 | 1,432.46 | 10 | 1,170.68 | 10 | 909.57 | 10 | 648.70 | 10 | 386.93 | 10 | 125.17 | 10 | | 10 | 10 | 10 | | 10 | 10 |
| 1/4 | 1,427.01 | 1/4 | 1,165.22 | 1/4 | 904.15 | 1/4 | 643.25 | 1/4 | 381.48 | 1/4 | 119.72 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 1,421.56 | 1/2 | 1,159.77 | 1/2 | 898.73 | 1/2 | 637.80 | 1/2 | 376.02 | 1/2 | 114.28 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 1,416.11 | 3/4 | 1,154.31 | 3/4 | 893.31 | 3/4 | 632.35 | 3/4 | 370.57 | 3/4 | 108.85 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 11 | 1,410.66 | 11 | 1,148.86 | 11 | 887.90 | 11 | 626.90 | 11 | 365.12 | 11 | 103.41 | 11 | | 11 | 11 | 11 | | 11 | 11 |
| 1/4 | 1,405.21 | 1/4 | 1,143.40 | 1/4 | 882.48 | 1/4 | 621.44 | 1/4 | 359.66 | 1/4 | 97.97 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 1,399.75 | 1/2 | 1,137.95 | 1/2 | 877.06 | 1/2 | 615.99 | 1/2 | 354.21 | 1/2 | 92.55 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 1,394.30 | 3/4 | 1,132.50 | 3/4 | 871.64 | 3/4 | 610.54 | 3/4 | 348.76 | 3/4 | 87.13 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/16/2010 CL - SW
CALCULATED: 08/16/2010 CL
PRINTED: 08/16/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2010

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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