



BARGE "KIRBY 28059"

ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 237'-00"

September 21, 2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28059"

1 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 1/2"

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | | | |
|-----------|-----------|-----------|-----------------|-----------|-----------------|-----------|-----------------|-----------|-----------------|-----------|-----------------|-----------|-----------------|-----------|-----------------|-----------|-----------------|----------|-----------------|----|---|
| IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 |
| | | | | | | | 4,224.31 | | 3,935.99 | | 3,633.52 | | 3,317.06 | | 2,988.07 | | 2,656.53 | | 2,324.98 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,218.41 | 1/4 | 3,929.85 | 1/4 | 3,627.07 | 1/4 | 3,310.32 | 1/4 | 2,981.16 | 1/4 | 2,649.63 | 1/4 | 2,318.07 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,212.52 | 1/2 | 3,923.71 | 1/2 | 3,620.62 | 1/2 | 3,303.59 | 1/2 | 2,974.25 | 1/2 | 2,642.72 | 1/2 | 2,311.16 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,206.61 | 3/4 | 3,917.56 | 3/4 | 3,614.14 | 3/4 | 3,296.83 | 3/4 | 2,967.34 | 3/4 | 2,635.81 | 3/4 | 2,304.25 | | |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4,200.69 | 1 | 3,911.40 | 1 | 3,607.67 | 1 | 3,290.08 | 1 | 2,960.44 | 1 | 2,628.91 | 1 | 2,297.34 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,194.78 | 1/4 | 3,905.24 | 1/4 | 3,601.19 | 1/4 | 3,283.32 | 1/4 | 2,953.53 | 1/4 | 2,622.00 | 1/4 | 2,290.44 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,188.87 | 1/2 | 3,899.08 | 1/2 | 3,594.71 | 1/2 | 3,276.56 | 1/2 | 2,946.62 | 1/2 | 2,615.09 | 1/2 | 2,283.53 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,182.93 | 3/4 | 3,892.90 | 3/4 | 3,588.21 | 3/4 | 3,269.78 | 3/4 | 2,939.72 | 3/4 | 2,608.19 | 3/4 | 2,276.62 | | |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4,177.00 | 2 | 3,886.71 | 2 | 3,581.71 | 2 | 3,262.99 | 2 | 2,932.81 | 2 | 2,601.28 | 2 | 2,269.71 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,171.06 | 1/4 | 3,880.53 | 1/4 | 3,575.22 | 1/4 | 3,256.20 | 1/4 | 2,925.90 | 1/4 | 2,594.37 | 1/4 | 2,262.80 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,165.12 | 1/2 | 3,874.34 | 1/2 | 3,568.72 | 1/2 | 3,249.42 | 1/2 | 2,919.00 | 1/2 | 2,587.46 | 1/2 | 2,255.89 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,159.16 | 3/4 | 3,868.14 | 3/4 | 3,562.20 | 3/4 | 3,242.61 | 3/4 | 2,912.09 | 3/4 | 2,580.56 | 3/4 | 2,248.99 | | |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4,153.20 | 3 | 3,861.93 | 3 | 3,555.68 | 3 | 3,235.81 | 3 | 2,905.18 | 3 | 2,573.65 | 3 | 2,242.08 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,147.24 | 1/4 | 3,855.72 | 1/4 | 3,549.16 | 1/4 | 3,229.00 | 1/4 | 2,898.28 | 1/4 | 2,566.74 | 1/4 | 2,235.17 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,141.28 | 1/2 | 3,849.52 | 1/2 | 3,542.64 | 1/2 | 3,222.20 | 1/2 | 2,891.37 | 1/2 | 2,559.84 | 1/2 | 2,228.26 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,135.33 | 3/4 | 3,843.26 | 3/4 | 3,536.09 | 3/4 | 3,215.37 | 3/4 | 2,884.46 | 3/4 | 2,552.93 | 3/4 | 2,221.35 | | |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4,129.38 | 4 | 3,836.99 | 4 | 3,529.55 | 4 | 3,208.55 | 4 | 2,877.55 | 4 | 2,546.02 | 4 | 2,214.44 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,123.43 | 1/4 | 3,830.73 | 1/4 | 3,523.00 | 1/4 | 3,201.72 | 1/4 | 2,870.65 | 1/4 | 2,539.12 | 1/4 | 2,207.54 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,117.48 | 1/2 | 3,824.47 | 1/2 | 3,516.45 | 1/2 | 3,194.89 | 1/2 | 2,863.74 | 1/2 | 2,532.21 | 1/2 | 2,200.63 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,111.51 | 3/4 | 3,818.18 | 3/4 | 3,509.88 | 3/4 | 3,188.04 | 3/4 | 2,856.83 | 3/4 | 2,525.30 | 3/4 | 2,193.72 | | |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4,105.54 | 5 | 3,811.89 | 5 | 3,503.32 | 5 | 3,181.18 | 5 | 2,849.93 | 5 | 2,518.40 | 5 | 2,186.81 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,099.57 | 1/4 | 3,805.61 | 1/4 | 3,496.75 | 1/4 | 3,174.33 | 1/4 | 2,843.02 | 1/4 | 2,511.49 | 1/4 | 2,179.90 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,093.60 | 1/2 | 3,799.32 | 1/2 | 3,490.18 | 1/2 | 3,167.47 | 1/2 | 2,836.11 | 1/2 | 2,504.58 | 1/2 | 2,172.99 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,087.60 | 3/4 | 3,793.01 | 3/4 | 3,483.58 | 3/4 | 3,160.60 | 3/4 | 2,829.21 | 3/4 | 2,497.68 | 3/4 | 2,166.09 | | |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4,081.60 | 6 | 3,786.70 | 6 | 3,476.98 | 6 | 3,153.72 | 6 | 2,822.30 | 6 | 2,490.77 | 6 | 2,159.18 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,075.60 | 1/4 | 3,780.39 | 1/4 | 3,470.39 | 1/4 | 3,146.85 | 1/4 | 2,815.39 | 1/4 | 2,483.86 | 1/4 | 2,152.27 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,069.61 | 1/2 | 3,774.08 | 1/2 | 3,463.79 | 1/2 | 3,139.98 | 1/2 | 2,808.49 | 1/2 | 2,476.95 | 1/2 | 2,145.36 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,063.59 | 3/4 | 3,767.74 | 3/4 | 3,457.17 | 3/4 | 3,133.08 | 3/4 | 2,801.58 | 3/4 | 2,470.05 | 3/4 | 2,138.45 | | |
| 7 | 7 | 7 | 4,362.17 | 7 | 4,057.57 | 7 | 3,761.40 | 7 | 3,450.56 | 7 | 3,126.18 | 7 | 2,794.67 | 7 | 2,463.14 | 7 | 2,131.55 | | | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,051.55 | 1/4 | 3,755.06 | 1/4 | 3,443.94 | 1/4 | 3,119.29 | 1/4 | 2,787.77 | 1/4 | 2,456.23 | 1/4 | 2,124.64 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,045.53 | 1/2 | 3,748.72 | 1/2 | 3,437.32 | 1/2 | 3,112.39 | 1/2 | 2,780.86 | 1/2 | 2,449.33 | 1/2 | 2,117.73 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,039.48 | 3/4 | 3,742.36 | 3/4 | 3,430.69 | 3/4 | 3,105.48 | 3/4 | 2,773.95 | 3/4 | 2,442.42 | 3/4 | 2,110.82 | | |
| 8 | 8 | 8 | 4,332.81 | 8 | 4,033.43 | 8 | 3,736.00 | 8 | 3,424.05 | 8 | 3,098.58 | 8 | 2,767.04 | 8 | 2,435.51 | 8 | 2,103.91 | | | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,027.39 | 1/4 | 3,729.64 | 1/4 | 3,417.41 | 1/4 | 3,091.67 | 1/4 | 2,760.14 | 1/4 | 2,428.60 | 1/4 | 2,097.00 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,021.34 | 1/2 | 3,723.29 | 1/2 | 3,410.77 | 1/2 | 3,084.76 | 1/2 | 2,753.23 | 1/2 | 2,421.69 | 1/2 | 2,090.10 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,015.27 | 3/4 | 3,716.91 | 3/4 | 3,404.11 | 3/4 | 3,077.85 | 3/4 | 2,746.32 | 3/4 | 2,414.79 | 3/4 | 2,083.19 | | |
| 9 | 9 | 9 | 4,305.17 | 9 | 4,009.21 | 9 | 3,710.53 | 9 | 3,397.44 | 9 | 3,070.95 | 9 | 2,739.42 | 9 | 2,407.88 | 9 | 2,076.28 | | | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,003.14 | 1/4 | 3,704.15 | 1/4 | 3,390.77 | 1/4 | 3,064.04 | 1/4 | 2,732.51 | 1/4 | 2,400.97 | 1/4 | 2,069.37 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,000.08 | 1/2 | 3,697.77 | 1/2 | 3,384.11 | 1/2 | 3,057.13 | 1/2 | 2,725.60 | 1/2 | 2,394.06 | 1/2 | 2,062.46 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,000.08 | 3/4 | 3,690.99 | 3/4 | 3,691.36 | 3/4 | 3,377.42 | 3/4 | 3,050.23 | 3/4 | 2,718.70 | 3/4 | 2,387.15 | | |
| 10 | 10 | 10 | 4,277.54 | 10 | 3,984.90 | 10 | 3,684.95 | 10 | 3,370.73 | 10 | 3,043.32 | 10 | 2,711.79 | 10 | 2,380.24 | 10 | 2,048.65 | | | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 3,978.81 | 1/4 | 3,678.54 | 1/4 | 3,364.05 | 1/4 | 3,036.41 | 1/4 | 2,704.88 | 1/4 | 2,373.34 | 1/4 | 2,041.74 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,263.72 | 1/2 | 3,972.72 | 1/2 | 3,672.13 | 1/2 | 3,357.36 | 1/2 | 3,029.51 | 1/2 | 2,697.98 | 1/2 | 2,366.43 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,256.82 | 3/4 | 3,966.61 | 3/4 | 3,665.70 | 3/4 | 3,350.65 | 3/4 | 3,022.60 | 3/4 | 2,691.07 | 3/4 | 2,359.52 | | |
| 11 | 11 | 11 | 4,249.91 | 11 | 3,960.49 | 11 | 3,659.28 | 11 | 3,343.95 | 11 | 3,015.69 | 11 | 2,684.16 | 11 | 2,352.61 | 11 | 2,021.01 | | | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,243.00 | 1/4 | 3,954.38 | 1/4 | 3,652.85 | 1/4 | 3,337.24 | 1/4 | 3,008.79 | 1/4 | 2,677.25 | 1/4 | 2,345.70 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,236.09 | 1/2 | 3,948.26 | 1/2 | 3,646.42 | 1/2 | 3,330.53 | 1/2 | 3,001.88 | 1/2 | 2,670.35 | 1/2 | 2,338.79 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,230.20 | 3/4 | 3,942.12 | 3/4 | 3,639.97 | 3/4 | 3,323.79 | 3/4 | 2,994.97 | 3/4 | 2,663.44 | 3/4 | 2,331.89 | | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-10" OFF CENTERLINE AND 37'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28059"

1 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 1/2"

| 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 | |
| 0 | 1,993.38 | 0 | 1,661.78 | 0 | 1,330.18 | 0 | 998.82 | 0 | 681.45 | 0 | 387.15 | 0 | 116.46 | 0 | | 0 | | 0 | |
| 1/4 | 1,986.47 | 1/4 | 1,654.87 | 1/4 | 1,323.27 | 1/4 | 991.96 | 1/4 | 675.07 | 1/4 | 381.27 | 1/4 | 111.07 | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 1,979.56 | 1/2 | 1,647.96 | 1/2 | 1,316.37 | 1/2 | 985.10 | 1/2 | 668.70 | 1/2 | 375.39 | 1/2 | 105.68 | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 1,972.65 | 3/4 | 1,641.06 | 3/4 | 1,309.46 | 3/4 | 978.28 | 3/4 | 662.36 | 3/4 | 369.54 | 3/4 | 100.33 | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 1 | 1,965.75 | 1 | 1,634.15 | 1 | 1,302.55 | 1 | 971.45 | 1 | 656.02 | 1 | 363.70 | 1 | 94.98 | 1 | 1 | 1 | | 1 | 1 |
| 1/4 | 1,958.84 | 1/4 | 1,627.24 | 1/4 | 1,295.64 | 1/4 | 964.62 | 1/4 | 649.69 | 1/4 | 357.85 | 1/4 | 89.62 | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 1,951.93 | 1/2 | 1,620.33 | 1/2 | 1,288.73 | 1/2 | 957.80 | 1/2 | 643.35 | 1/2 | 352.00 | 1/2 | 84.27 | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 1,945.02 | 3/4 | 1,613.42 | 3/4 | 1,281.82 | 3/4 | 951.03 | 3/4 | 637.05 | 3/4 | 346.20 | 3/4 | 78.96 | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 2 | 1,938.11 | 2 | 1,606.51 | 2 | 1,274.92 | 2 | 944.25 | 2 | 630.76 | 2 | 340.40 | 2 | 73.66 | 2 | 2 | 2 | | 2 | 2 |
| 1/4 | 1,931.20 | 1/4 | 1,599.61 | 1/4 | 1,268.01 | 1/4 | 937.48 | 1/4 | 624.47 | 1/4 | 334.60 | 1/4 | 68.35 | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 1,924.30 | 1/2 | 1,592.70 | 1/2 | 1,261.10 | 1/2 | 930.71 | 1/2 | 618.17 | 1/2 | 328.80 | 1/2 | 63.04 | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 1,917.39 | 3/4 | 1,585.79 | 3/4 | 1,254.19 | 3/4 | 923.98 | 3/4 | 611.92 | 3/4 | 323.03 | 3/4 | 57.77 | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 3 | 1,910.48 | 3 | 1,578.88 | 3 | 1,247.28 | 3 | 917.25 | 3 | 605.66 | 3 | 317.27 | 3 | 52.50 | 3 | 3 | 3 | | 3 | 3 |
| 1/4 | 1,903.57 | 1/4 | 1,571.97 | 1/4 | 1,240.37 | 1/4 | 910.52 | 1/4 | 599.41 | 1/4 | 311.51 | 1/4 | 47.23 | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 1,896.66 | 1/2 | 1,565.06 | 1/2 | 1,233.47 | 1/2 | 903.79 | 1/2 | 593.15 | 1/2 | 305.74 | 1/2 | 41.96 | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 1,889.75 | 3/4 | 1,558.16 | 3/4 | 1,226.56 | 3/4 | 897.10 | 3/4 | 586.94 | 3/4 | 300.02 | 3/4 | 37.60 | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 4 | 1,882.85 | 4 | 1,551.25 | 4 | 1,219.65 | 4 | 890.41 | 4 | 580.73 | 4 | 294.30 | 4 | 33.24 | 4 | 4 | 4 | | 4 | 4 |
| 1/4 | 1,875.94 | 1/4 | 1,544.34 | 1/4 | 1,212.74 | 1/4 | 883.73 | 1/4 | 574.51 | 1/4 | 288.58 | 1/4 | 28.88 | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 1,869.03 | 1/2 | 1,537.43 | 1/2 | 1,205.83 | 1/2 | 877.04 | 1/2 | 568.30 | 1/2 | 282.86 | 1/2 | 24.52 | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 1,862.12 | 3/4 | 1,530.52 | 3/4 | 1,198.92 | 3/4 | 870.39 | 3/4 | 562.13 | 3/4 | 277.18 | 3/4 | 21.93 | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 5 | 1,855.21 | 5 | 1,523.61 | 5 | 1,192.02 | 5 | 863.74 | 5 | 555.96 | 5 | 271.50 | 5 | 19.33 | 5 | 5 | 5 | | 5 | 5 |
| 1/4 | 1,848.30 | 1/4 | 1,516.71 | 1/4 | 1,185.11 | 1/4 | 857.09 | 1/4 | 549.78 | 1/4 | 265.82 | 1/4 | 16.74 | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 1,841.40 | 1/2 | 1,509.80 | 1/2 | 1,178.20 | 1/2 | 850.44 | 1/2 | 543.61 | 1/2 | 260.13 | 1/2 | 14.14 | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 1,834.49 | 3/4 | 1,502.89 | 3/4 | 1,171.29 | 3/4 | 843.84 | 3/4 | 537.48 | 3/4 | 254.50 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 6 | 1,827.58 | 6 | 1,495.98 | 6 | 1,164.38 | 6 | 837.23 | 6 | 531.35 | 6 | 248.86 | 6 | | 6 | 6 | 6 | | 6 | 6 |
| 1/4 | 1,820.67 | 1/4 | 1,489.07 | 1/4 | 1,157.47 | 1/4 | 830.62 | 1/4 | 525.22 | 1/4 | 243.22 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 1,813.76 | 1/2 | 1,482.16 | 1/2 | 1,150.57 | 1/2 | 824.02 | 1/2 | 519.09 | 1/2 | 237.58 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 1,806.86 | 3/4 | 1,475.26 | 3/4 | 1,143.66 | 3/4 | 817.45 | 3/4 | 513.00 | 3/4 | 231.98 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 7 | 1,799.95 | 7 | 1,468.35 | 7 | 1,136.75 | 7 | 810.88 | 7 | 506.91 | 7 | 226.38 | 7 | | 7 | 7 | 7 | | 7 | 7 |
| 1/4 | 1,793.04 | 1/4 | 1,461.44 | 1/4 | 1,129.84 | 1/4 | 804.32 | 1/4 | 500.82 | 1/4 | 220.78 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 1,786.13 | 1/2 | 1,454.53 | 1/2 | 1,122.93 | 1/2 | 797.75 | 1/2 | 494.73 | 1/2 | 215.18 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 1,779.22 | 3/4 | 1,447.62 | 3/4 | 1,116.03 | 3/4 | 791.22 | 3/4 | 488.68 | 3/4 | 209.63 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 8 | 1,772.31 | 8 | 1,440.72 | 8 | 1,109.12 | 8 | 784.70 | 8 | 482.63 | 8 | 204.07 | 8 | | 8 | 8 | 8 | | 8 | 8 |
| 1/4 | 1,765.41 | 1/4 | 1,433.81 | 1/4 | 1,102.21 | 1/4 | 778.17 | 1/4 | 476.58 | 1/4 | 198.52 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 1,758.50 | 1/2 | 1,426.90 | 1/2 | 1,095.30 | 1/2 | 771.65 | 1/2 | 470.53 | 1/2 | 192.96 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 1,751.59 | 3/4 | 1,419.99 | 3/4 | 1,088.39 | 3/4 | 765.17 | 3/4 | 464.52 | 3/4 | 187.44 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 9 | 1,744.68 | 9 | 1,413.08 | 9 | 1,081.49 | 9 | 758.68 | 9 | 458.51 | 9 | 181.92 | 9 | | 9 | 9 | 9 | | 9 | 9 |
| 1/4 | 1,737.77 | 1/4 | 1,406.17 | 1/4 | 1,074.58 | 1/4 | 752.20 | 1/4 | 452.51 | 1/4 | 176.40 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 1,730.86 | 1/2 | 1,399.27 | 1/2 | 1,067.67 | 1/2 | 745.71 | 1/2 | 446.50 | 1/2 | 170.89 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 1,723.96 | 3/4 | 1,392.36 | 3/4 | 1,060.77 | 3/4 | 739.25 | 3/4 | 440.53 | 3/4 | 165.41 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 10 | 1,717.05 | 10 | 1,385.45 | 10 | 1,053.87 | 10 | 732.79 | 10 | 434.56 | 10 | 159.94 | 10 | | 10 | 10 | 10 | | 10 | 10 |
| 1/4 | 1,710.14 | 1/4 | 1,378.54 | 1/4 | 1,046.97 | 1/4 | 726.34 | 1/4 | 428.60 | 1/4 | 154.47 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 1,703.23 | 1/2 | 1,371.63 | 1/2 | 1,040.07 | 1/2 | 719.88 | 1/2 | 422.63 | 1/2 | 148.99 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 1,696.32 | 3/4 | 1,364.72 | 3/4 | 1,033.19 | 3/4 | 713.46 | 3/4 | 416.70 | 3/4 | 143.55 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 11 | 1,689.41 | 11 | 1,357.82 | 11 | 1,026.31 | 11 | 707.04 | 11 | 410.78 | 11 | 138.12 | 11 | | 11 | 11 | 11 | | 11 | 11 |
| 1/4 | 1,682.51 | 1/4 | 1,350.91 | 1/4 | 1,019.42 | 1/4 | 700.62 | 1/4 | 404.85 | 1/4 | 132.68 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 1,675.60 | 1/2 | 1,344.00 | 1/2 | 1,012.54 | 1/2 | 694.20 | 1/2 | 398.92 | 1/2 | 127.24 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 1,668.69 | 3/4 | 1,337.09 | 3/4 | 1,005.68 | 3/4 | 687.83 | 3/4 | 393.04 | 3/4 | 121.85 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/08/2008 CL - SW
CALCULATED: 05/09/2008 CL
VERIFIED: 09/21/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2023

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



BARGE "KIRBY 28059"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE 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 | 4,217.75 | 0 | 3,929.11 | 0 | 3,626.25 | 0 | 3,309.42 | 0 | 2,980.17 | 0 | 2,648.55 | 0 | 2,316.90 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,211.85 | 1/4 | 3,922.97 | 1/4 | 3,619.80 | 1/4 | 3,302.68 | 1/4 | 2,973.26 | 1/4 | 2,641.64 | 1/4 | 2,309.99 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,205.94 | 1/2 | 3,916.81 | 1/2 | 3,613.32 | 1/2 | 3,295.93 | 1/2 | 2,966.35 | 1/2 | 2,634.73 | 1/2 | 2,303.08 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,200.02 | 3/4 | 3,910.65 | 3/4 | 3,606.84 | 3/4 | 3,289.17 | 3/4 | 2,959.44 | 3/4 | 2,627.82 | 3/4 | 2,296.17 |
| 1 | | 1 | | 1 | | 1 | 4,194.11 | 1 | 3,904.49 | 1 | 3,600.36 | 1 | 3,282.41 | 1 | 2,952.53 | 1 | 2,620.91 | 1 | 2,289.26 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,188.19 | 1/4 | 3,898.33 | 1/4 | 3,593.88 | 1/4 | 3,275.65 | 1/4 | 2,945.62 | 1/4 | 2,614.00 | 1/4 | 2,282.35 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,182.26 | 1/2 | 3,892.15 | 1/2 | 3,587.38 | 1/2 | 3,268.86 | 1/2 | 2,938.72 | 1/2 | 2,607.09 | 1/2 | 2,275.44 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,176.32 | 3/4 | 3,885.96 | 3/4 | 3,580.88 | 3/4 | 3,262.07 | 3/4 | 2,931.81 | 3/4 | 2,600.18 | 3/4 | 2,268.53 |
| 2 | | 2 | | 2 | | 2 | 4,170.38 | 2 | 3,879.77 | 2 | 3,574.38 | 2 | 3,255.29 | 2 | 2,924.90 | 2 | 2,593.28 | 2 | 2,261.62 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,164.45 | 1/4 | 3,873.59 | 1/4 | 3,567.88 | 1/4 | 3,248.50 | 1/4 | 2,917.99 | 1/4 | 2,586.37 | 1/4 | 2,254.71 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,158.48 | 1/2 | 3,867.38 | 1/2 | 3,561.36 | 1/2 | 3,241.69 | 1/2 | 2,911.08 | 1/2 | 2,579.46 | 1/2 | 2,247.80 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,152.52 | 3/4 | 3,861.17 | 3/4 | 3,554.84 | 3/4 | 3,234.89 | 3/4 | 2,904.17 | 3/4 | 2,572.55 | 3/4 | 2,240.89 |
| 3 | | 3 | | 3 | | 3 | 4,146.56 | 3 | 3,854.96 | 3 | 3,548.32 | 3 | 3,228.08 | 3 | 2,897.26 | 3 | 2,565.64 | 3 | 2,233.98 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,140.59 | 1/4 | 3,848.76 | 1/4 | 3,541.80 | 1/4 | 3,221.27 | 1/4 | 2,890.35 | 1/4 | 2,558.73 | 1/4 | 2,227.07 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,134.64 | 1/2 | 3,842.49 | 1/2 | 3,535.25 | 1/2 | 3,214.44 | 1/2 | 2,883.45 | 1/2 | 2,551.82 | 1/2 | 2,220.16 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,128.69 | 3/4 | 3,836.23 | 3/4 | 3,528.70 | 3/4 | 3,207.62 | 3/4 | 2,876.54 | 3/4 | 2,544.91 | 3/4 | 2,213.25 |
| 4 | | 4 | | 4 | | 4 | 4,122.74 | 4 | 3,829.97 | 4 | 3,522.15 | 4 | 3,200.79 | 4 | 2,869.63 | 4 | 2,538.00 | 4 | 2,206.34 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,116.79 | 1/4 | 3,823.70 | 1/4 | 3,515.60 | 1/4 | 3,193.96 | 1/4 | 2,862.72 | 1/4 | 2,531.10 | 1/4 | 2,199.43 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,110.82 | 1/2 | 3,817.41 | 1/2 | 3,509.03 | 1/2 | 3,187.10 | 1/2 | 2,855.81 | 1/2 | 2,524.19 | 1/2 | 2,192.52 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,104.84 | 3/4 | 3,811.12 | 3/4 | 3,502.46 | 3/4 | 3,180.25 | 3/4 | 2,848.90 | 3/4 | 2,517.28 | 3/4 | 2,185.61 |
| 5 | | 5 | | 5 | | 5 | 4,098.87 | 5 | 3,804.83 | 5 | 3,495.89 | 5 | 3,173.39 | 5 | 2,841.99 | 5 | 2,510.37 | 5 | 2,178.70 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,092.90 | 1/4 | 3,798.54 | 1/4 | 3,489.32 | 1/4 | 3,166.53 | 1/4 | 2,835.08 | 1/4 | 2,503.46 | 1/4 | 2,171.79 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,086.90 | 1/2 | 3,792.23 | 1/2 | 3,482.72 | 1/2 | 3,159.66 | 1/2 | 2,828.17 | 1/2 | 2,496.55 | 1/2 | 2,164.88 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,080.90 | 3/4 | 3,785.92 | 3/4 | 3,476.12 | 3/4 | 3,152.78 | 3/4 | 2,821.27 | 3/4 | 2,489.64 | 3/4 | 2,157.97 |
| 6 | | 6 | | 6 | | 6 | 4,074.90 | 6 | 3,779.61 | 6 | 3,469.53 | 6 | 3,145.90 | 6 | 2,814.36 | 6 | 2,482.73 | 6 | 2,151.06 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,068.90 | 1/4 | 3,773.30 | 1/4 | 3,462.93 | 1/4 | 3,139.03 | 1/4 | 2,807.45 | 1/4 | 2,475.83 | 1/4 | 2,144.15 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,062.88 | 1/2 | 3,766.95 | 1/2 | 3,456.31 | 1/2 | 3,132.13 | 1/2 | 2,800.54 | 1/2 | 2,468.92 | 1/2 | 2,137.24 |
| 3/4 | | 3/4 | | 3/4 | 4,356.36 | 3/4 | 4,056.86 | 3/4 | 3,760.61 | 3/4 | 3,449.69 | 3/4 | 3,125.23 | 3/4 | 2,793.63 | 3/4 | 2,462.01 | 3/4 | 2,130.33 |
| 7 | | 7 | | 7 | 4,351.18 | 7 | 4,050.84 | 7 | 3,754.27 | 7 | 3,443.07 | 7 | 3,118.33 | 7 | 2,786.72 | 7 | 2,455.10 | 7 | 2,123.42 |
| 1/4 | | 1/4 | | 1/4 | 4,345.99 | 1/4 | 4,044.82 | 1/4 | 3,747.93 | 1/4 | 3,436.45 | 1/4 | 3,111.44 | 1/4 | 2,779.81 | 1/4 | 2,448.19 | 1/4 | 2,116.51 |
| 1/2 | | 1/2 | | 1/2 | 4,339.08 | 1/2 | 4,038.77 | 1/2 | 3,741.57 | 1/2 | 3,429.81 | 1/2 | 3,104.53 | 1/2 | 2,772.90 | 1/2 | 2,441.28 | 1/2 | 2,109.60 |
| 3/4 | | 3/4 | | 3/4 | 4,332.17 | 3/4 | 4,032.72 | 3/4 | 3,735.21 | 3/4 | 3,423.17 | 3/4 | 3,097.62 | 3/4 | 2,766.00 | 3/4 | 2,434.37 | 3/4 | 2,102.69 |
| 8 | | 8 | | 8 | 4,325.26 | 8 | 4,026.67 | 8 | 3,728.85 | 8 | 3,416.53 | 8 | 3,090.71 | 8 | 2,759.09 | 8 | 2,427.46 | 8 | 2,095.78 |
| 1/4 | | 1/4 | | 1/4 | 4,318.35 | 1/4 | 4,020.62 | 1/4 | 3,722.49 | 1/4 | 3,409.89 | 1/4 | 3,083.80 | 1/4 | 2,752.18 | 1/4 | 2,420.55 | 1/4 | 2,088.87 |
| 1/2 | | 1/2 | | 1/2 | 4,311.44 | 1/2 | 4,014.56 | 1/2 | 3,716.11 | 1/2 | 3,403.23 | 1/2 | 3,076.89 | 1/2 | 2,745.27 | 1/2 | 2,413.64 | 1/2 | 2,081.96 |
| 3/4 | | 3/4 | | 3/4 | 4,304.53 | 3/4 | 4,008.49 | 3/4 | 3,709.73 | 3/4 | 3,396.56 | 3/4 | 3,069.98 | 3/4 | 2,738.36 | 3/4 | 2,406.73 | 3/4 | 2,075.05 |
| 9 | | 9 | | 9 | 4,297.62 | 9 | 4,002.42 | 9 | 3,703.35 | 9 | 3,389.89 | 9 | 3,063.07 | 9 | 2,731.45 | 9 | 2,399.82 | 9 | 2,068.14 |
| 1/4 | | 1/4 | | 1/4 | 4,290.71 | 1/4 | 3,996.35 | 1/4 | 3,696.96 | 1/4 | 3,383.22 | 1/4 | 3,056.17 | 1/4 | 2,724.54 | 1/4 | 2,392.91 | 1/4 | 2,061.22 |
| 1/2 | | 1/2 | | 1/2 | 4,283.80 | 1/2 | 3,990.26 | 1/2 | 3,690.55 | 1/2 | 3,376.53 | 1/2 | 3,049.26 | 1/2 | 2,717.63 | 1/2 | 2,386.00 | 1/2 | 2,054.31 |
| 3/4 | | 3/4 | | 3/4 | 4,276.89 | 3/4 | 3,984.17 | 3/4 | 3,684.14 | 3/4 | 3,369.85 | 3/4 | 3,042.35 | 3/4 | 2,710.72 | 3/4 | 2,379.09 | 3/4 | 2,047.40 |
| 10 | | 10 | | 10 | 4,269.98 | 10 | 3,978.08 | 10 | 3,677.73 | 10 | 3,363.16 | 10 | 3,035.44 | 10 | 2,703.82 | 10 | 2,372.18 | 10 | 2,040.49 |
| 1/4 | | 1/4 | | 1/4 | 4,263.07 | 1/4 | 3,971.99 | 1/4 | 3,671.32 | 1/4 | 3,356.47 | 1/4 | 3,028.53 | 1/4 | 2,696.91 | 1/4 | 2,365.27 | 1/4 | 2,033.58 |
| 1/2 | | 1/2 | | 1/2 | 4,256.16 | 1/2 | 3,965.88 | 1/2 | 3,664.89 | 1/2 | 3,349.76 | 1/2 | 3,021.62 | 1/2 | 2,690.00 | 1/2 | 2,358.36 | 1/2 | 2,026.67 |
| 3/4 | | 3/4 | | 3/4 | 4,249.25 | 3/4 | 3,959.76 | 3/4 | 3,658.46 | 3/4 | 3,343.05 | 3/4 | 3,014.71 | 3/4 | 2,683.09 | 3/4 | 2,351.45 | 3/4 | 2,019.76 |
| 11 | | 11 | | 11 | 4,242.34 | 11 | 3,953.64 | 11 | 3,652.03 | 11 | 3,336.34 | 11 | 3,007.80 | 11 | 2,676.18 | 11 | 2,344.54 | 11 | 2,012.85 |
| 1/4 | | 1/4 | | 1/4 | 4,235.43 | 1/4 | 3,947.52 | 1/4 | 3,645.60 | 1/4 | 3,329.63 | 1/4 | 3,000.89 | 1/4 | 2,669.27 | 1/4 | 2,337.63 | 1/4 | 2,005.94 |
| 1/2 | | 1/2 | | 1/2 | 4,229.54 | 1/2 | 3,941.39 | 1/2 | 3,639.15 | 1/2 | 3,322.89 | 1/2 | 2,993.99 | 1/2 | 2,662.36 | 1/2 | 2,330.72 | 1/2 | 1,999.03 |
| 3/4 | | 3/4 | | 3/4 | 4,223.64 | 3/4 | 3,935.25 | 3/4 | 3,632.70 | 3/4 | 3,316.16 | 3/4 | 2,987.08 | 3/4 | 2,655.45 | 3/4 | 2,323.81 | 3/4 | 1,992.12 |

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-10" OFF CENTERLINE AND 37'-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 28059"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE 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 | 1,985.21 | 0 | 1,653.53 | 0 | 1,321.84 | 0 | 990.54 | 0 | 675.24 | 0 | 381.36 | 0 | 111.10 | 0 | | 0 | | 0 | |
| 1/4 | 1,978.30 | 1/4 | 1,646.62 | 1/4 | 1,314.93 | 1/4 | 983.70 | 1/4 | 668.86 | 1/4 | 375.48 | 1/4 | 105.70 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 1,971.39 | 1/2 | 1,639.71 | 1/2 | 1,308.02 | 1/2 | 976.91 | 1/2 | 662.52 | 1/2 | 369.63 | 1/2 | 100.35 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 1,964.48 | 3/4 | 1,632.80 | 3/4 | 1,301.11 | 3/4 | 970.12 | 3/4 | 656.18 | 3/4 | 363.78 | 3/4 | 95.00 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 1 | 1,957.57 | 1 | 1,625.89 | 1 | 1,294.20 | 1 | 963.33 | 1 | 649.85 | 1 | 357.94 | 1 | 89.64 | 1 | 1 | | 1 | | 1 |
| 1/4 | 1,950.66 | 1/4 | 1,618.98 | 1/4 | 1,287.29 | 1/4 | 956.53 | 1/4 | 643.51 | 1/4 | 352.09 | 1/4 | 84.29 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 1,943.75 | 1/2 | 1,612.07 | 1/2 | 1,280.38 | 1/2 | 949.80 | 1/2 | 637.21 | 1/2 | 346.29 | 1/2 | 78.98 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 1,936.84 | 3/4 | 1,605.16 | 3/4 | 1,273.47 | 3/4 | 943.07 | 3/4 | 630.91 | 3/4 | 340.48 | 3/4 | 73.67 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 2 | 1,929.93 | 2 | 1,598.25 | 2 | 1,266.56 | 2 | 936.33 | 2 | 624.62 | 2 | 334.68 | 2 | 68.37 | 2 | 2 | | 2 | | 2 |
| 1/4 | 1,923.02 | 1/4 | 1,591.34 | 1/4 | 1,259.65 | 1/4 | 929.60 | 1/4 | 618.32 | 1/4 | 328.88 | 1/4 | 63.06 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 1,916.11 | 1/2 | 1,584.43 | 1/2 | 1,252.74 | 1/2 | 922.91 | 1/2 | 612.07 | 1/2 | 323.11 | 1/2 | 57.79 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 1,909.20 | 3/4 | 1,577.52 | 3/4 | 1,245.83 | 3/4 | 916.21 | 3/4 | 605.81 | 3/4 | 317.35 | 3/4 | 52.52 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 3 | 1,902.29 | 3 | 1,570.61 | 3 | 1,238.92 | 3 | 909.52 | 3 | 599.55 | 3 | 311.58 | 3 | 47.24 | 3 | 3 | | 3 | | 3 |
| 1/4 | 1,895.38 | 1/4 | 1,563.70 | 1/4 | 1,232.01 | 1/4 | 902.82 | 1/4 | 593.30 | 1/4 | 305.82 | 1/4 | 41.97 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 1,888.47 | 1/2 | 1,556.79 | 1/2 | 1,225.10 | 1/2 | 896.17 | 1/2 | 587.08 | 1/2 | 300.09 | 1/2 | 37.61 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 1,881.56 | 3/4 | 1,549.88 | 3/4 | 1,218.19 | 3/4 | 889.52 | 3/4 | 580.87 | 3/4 | 294.37 | 3/4 | 33.25 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 4 | 1,874.65 | 4 | 1,542.97 | 4 | 1,211.28 | 4 | 882.87 | 4 | 574.66 | 4 | 288.65 | 4 | 28.89 | 4 | 4 | | 4 | | 4 |
| 1/4 | 1,867.74 | 1/4 | 1,536.06 | 1/4 | 1,204.37 | 1/4 | 876.22 | 1/4 | 568.44 | 1/4 | 282.93 | 1/4 | 24.53 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 1,860.83 | 1/2 | 1,529.15 | 1/2 | 1,197.46 | 1/2 | 869.61 | 1/2 | 562.27 | 1/2 | 277.25 | 1/2 | 21.93 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 1,853.92 | 3/4 | 1,522.24 | 3/4 | 1,190.55 | 3/4 | 863.00 | 3/4 | 556.09 | 3/4 | 271.56 | 3/4 | 19.33 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 5 | 1,847.01 | 5 | 1,515.33 | 5 | 1,183.64 | 5 | 856.38 | 5 | 549.92 | 5 | 265.88 | 5 | 16.74 | 5 | 5 | | 5 | | 5 |
| 1/4 | 1,840.10 | 1/4 | 1,508.42 | 1/4 | 1,176.73 | 1/4 | 849.77 | 1/4 | 543.74 | 1/4 | 260.20 | 1/4 | 14.14 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 1,833.19 | 1/2 | 1,501.51 | 1/2 | 1,169.82 | 1/2 | 843.20 | 1/2 | 537.61 | 1/2 | 254.56 | 1/2 | | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 1,826.28 | 3/4 | 1,494.60 | 3/4 | 1,162.91 | 3/4 | 836.63 | 3/4 | 531.48 | 3/4 | 248.92 | 3/4 | | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 6 | 1,819.37 | 6 | 1,487.69 | 6 | 1,156.00 | 6 | 830.06 | 6 | 525.35 | 6 | 243.28 | 6 | | 6 | 6 | | 6 | | 6 |
| 1/4 | 1,812.46 | 1/4 | 1,480.78 | 1/4 | 1,149.09 | 1/4 | 823.49 | 1/4 | 519.22 | 1/4 | 237.64 | 1/4 | | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 1,805.55 | 1/2 | 1,473.87 | 1/2 | 1,142.18 | 1/2 | 816.96 | 1/2 | 513.12 | 1/2 | 232.04 | 1/2 | | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 1,798.64 | 3/4 | 1,466.96 | 3/4 | 1,135.27 | 3/4 | 810.43 | 3/4 | 507.03 | 3/4 | 226.44 | 3/4 | | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 7 | 1,791.73 | 7 | 1,460.05 | 7 | 1,128.36 | 7 | 803.90 | 7 | 500.94 | 7 | 220.84 | 7 | | 7 | 7 | | 7 | | 7 |
| 1/4 | 1,784.82 | 1/4 | 1,453.14 | 1/4 | 1,121.45 | 1/4 | 797.37 | 1/4 | 494.85 | 1/4 | 215.23 | 1/4 | | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 1,777.91 | 1/2 | 1,446.23 | 1/2 | 1,114.54 | 1/2 | 790.89 | 1/2 | 488.80 | 1/2 | 209.68 | 1/2 | | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 1,771.00 | 3/4 | 1,439.32 | 3/4 | 1,107.63 | 3/4 | 784.40 | 3/4 | 482.75 | 3/4 | 204.12 | 3/4 | | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 8 | 1,764.09 | 8 | 1,432.41 | 8 | 1,100.72 | 8 | 777.91 | 8 | 476.70 | 8 | 198.56 | 8 | | 8 | 8 | | 8 | | 8 |
| 1/4 | 1,757.18 | 1/4 | 1,425.50 | 1/4 | 1,093.81 | 1/4 | 771.42 | 1/4 | 470.65 | 1/4 | 193.01 | 1/4 | | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 1,750.27 | 1/2 | 1,418.59 | 1/2 | 1,086.90 | 1/2 | 764.97 | 1/2 | 464.64 | 1/2 | 187.49 | 1/2 | | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 1,743.36 | 3/4 | 1,411.68 | 3/4 | 1,079.99 | 3/4 | 758.53 | 3/4 | 458.63 | 3/4 | 181.97 | 3/4 | | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 9 | 1,736.45 | 9 | 1,404.77 | 9 | 1,073.08 | 9 | 752.08 | 9 | 452.62 | 9 | 176.45 | 9 | | 9 | 9 | | 9 | | 9 |
| 1/4 | 1,729.54 | 1/4 | 1,397.86 | 1/4 | 1,066.18 | 1/4 | 745.63 | 1/4 | 446.61 | 1/4 | 170.93 | 1/4 | | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 1,722.63 | 1/2 | 1,390.95 | 1/2 | 1,059.27 | 1/2 | 739.21 | 1/2 | 440.64 | 1/2 | 165.45 | 1/2 | | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 1,715.72 | 3/4 | 1,384.04 | 3/4 | 1,052.37 | 3/4 | 732.78 | 3/4 | 434.67 | 3/4 | 159.98 | 3/4 | | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 10 | 1,708.81 | 10 | 1,377.13 | 10 | 1,045.47 | 10 | 726.36 | 10 | 428.70 | 10 | 154.50 | 10 | | 10 | 10 | | 10 | | 10 |
| 1/4 | 1,701.90 | 1/4 | 1,370.21 | 1/4 | 1,038.57 | 1/4 | 719.93 | 1/4 | 422.73 | 1/4 | 149.03 | 1/4 | | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 1,694.99 | 1/2 | 1,363.30 | 1/2 | 1,031.69 | 1/2 | 713.54 | 1/2 | 416.81 | 1/2 | 143.59 | 1/2 | | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 1,688.08 | 3/4 | 1,356.39 | 3/4 | 1,024.80 | 3/4 | 707.15 | 3/4 | 410.88 | 3/4 | 138.15 | 3/4 | | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 11 | 1,681.17 | 11 | 1,349.48 | 11 | 1,017.92 | 11 | 700.76 | 11 | 404.95 | 11 | 132.71 | 11 | | 11 | 11 | | 11 | | 11 |
| 1/4 | 1,674.26 | 1/4 | 1,342.57 | 1/4 | 1,011.03 | 1/4 | 694.37 | 1/4 | 399.02 | 1/4 | 127.27 | 1/4 | | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 1,667.35 | 1/2 | 1,335.66 | 1/2 | 1,004.20 | 1/2 | 687.99 | 1/2 | 393.13 | 1/2 | 121.88 | 1/2 | | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 1,660.44 | 3/4 | 1,328.75 | 3/4 | 997.37 | 3/4 | 681.62 | 3/4 | 387.25 | 3/4 | 116.49 | 3/4 | | 3/4 | 3/4 | | 3/4 | | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/08/2008 CL - SW
CALCULATED: 05/09/2008 CL
VERIFIED: 09/21/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2023

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



BARGE "KIRBY 28059"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE 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 | 5,104.18 | 0 | 4,767.77 | 0 | 4,414.07 | 0 | 4,043.64 | 0 | 3,658.67 | 0 | 3,270.93 | 0 | 2,883.15 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,097.29 | 1/4 | 4,760.62 | 1/4 | 4,406.53 | 1/4 | 4,035.76 | 1/4 | 3,650.59 | 1/4 | 3,262.85 | 1/4 | 2,875.07 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,090.37 | 1/2 | 4,753.45 | 1/2 | 4,398.95 | 1/2 | 4,027.86 | 1/2 | 3,642.52 | 1/2 | 3,254.78 | 1/2 | 2,866.99 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,083.45 | 3/4 | 4,746.28 | 3/4 | 4,391.38 | 3/4 | 4,019.96 | 3/4 | 3,634.44 | 3/4 | 3,246.70 | 3/4 | 2,858.91 | | |
| 1 | | 1 | | 1 | | 1 | 5,076.54 | 1 | 4,739.11 | 1 | 4,383.81 | 1 | 4,012.06 | 1 | 3,626.36 | 1 | 3,238.62 | 1 | 2,850.83 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,069.62 | 1/4 | 4,731.94 | 1/4 | 4,376.23 | 1/4 | 4,004.16 | 1/4 | 3,618.28 | 1/4 | 3,230.54 | 1/4 | 2,842.75 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,062.68 | 1/2 | 4,724.74 | 1/2 | 4,368.63 | 1/2 | 3,996.22 | 1/2 | 3,610.20 | 1/2 | 3,222.46 | 1/2 | 2,834.66 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,055.73 | 3/4 | 4,717.54 | 3/4 | 4,361.03 | 3/4 | 3,988.28 | 3/4 | 3,602.13 | 3/4 | 3,214.39 | 3/4 | 2,826.58 | | |
| 2 | | 2 | | 2 | | 2 | 5,048.79 | 2 | 4,710.34 | 2 | 4,353.43 | 2 | 3,980.34 | 2 | 3,594.05 | 2 | 3,206.31 | 2 | 2,818.50 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,041.85 | 1/4 | 4,703.13 | 1/4 | 4,345.83 | 1/4 | 3,972.41 | 1/4 | 3,585.97 | 1/4 | 3,198.23 | 1/4 | 2,810.42 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,034.88 | 1/2 | 4,695.91 | 1/2 | 4,338.21 | 1/2 | 3,964.45 | 1/2 | 3,577.89 | 1/2 | 3,190.15 | 1/2 | 2,802.34 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,027.90 | 3/4 | 4,688.68 | 3/4 | 4,330.58 | 3/4 | 3,956.49 | 3/4 | 3,569.81 | 3/4 | 3,182.07 | 3/4 | 2,794.26 | | |
| 3 | | 3 | | 3 | | 3 | 5,020.93 | 3 | 4,681.45 | 3 | 4,322.96 | 3 | 3,948.53 | 3 | 3,561.74 | 3 | 3,174.00 | 3 | 2,786.18 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,013.96 | 1/4 | 4,674.23 | 1/4 | 4,315.33 | 1/4 | 3,940.58 | 1/4 | 3,553.66 | 1/4 | 3,165.92 | 1/4 | 2,778.10 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,007.03 | 1/2 | 4,666.90 | 1/2 | 4,307.67 | 1/2 | 3,932.59 | 1/2 | 3,545.58 | 1/2 | 3,157.84 | 1/2 | 2,770.02 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,000.10 | 3/4 | 4,659.58 | 3/4 | 4,300.02 | 3/4 | 3,924.61 | 3/4 | 3,537.50 | 3/4 | 3,149.76 | 3/4 | 2,761.94 | | |
| 4 | | 4 | | 4 | | 4 | 4,993.17 | 4 | 4,652.26 | 4 | 4,292.36 | 4 | 3,916.63 | 4 | 3,529.42 | 4 | 3,141.69 | 4 | 2,753.86 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,986.25 | 1/4 | 4,644.93 | 1/4 | 4,284.71 | 1/4 | 3,908.64 | 1/4 | 3,521.35 | 1/4 | 3,133.61 | 1/4 | 2,745.78 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,979.29 | 1/2 | 4,637.58 | 1/2 | 4,277.02 | 1/2 | 3,900.62 | 1/2 | 3,513.27 | 1/2 | 3,125.53 | 1/2 | 2,737.70 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,972.34 | 3/4 | 4,630.23 | 3/4 | 4,269.34 | 3/4 | 3,892.61 | 3/4 | 3,505.19 | 3/4 | 3,117.45 | 3/4 | 2,729.62 | | |
| 5 | | 5 | | 5 | | 5 | 4,965.39 | 5 | 4,622.87 | 5 | 4,261.66 | 5 | 3,884.59 | 5 | 3,497.11 | 5 | 3,109.37 | 5 | 2,721.54 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,958.43 | 1/4 | 4,615.52 | 1/4 | 4,253.98 | 1/4 | 3,876.57 | 1/4 | 3,489.03 | 1/4 | 3,101.30 | 1/4 | 2,713.46 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,951.45 | 1/2 | 4,608.14 | 1/2 | 4,246.26 | 1/2 | 3,868.53 | 1/2 | 3,480.96 | 1/2 | 3,093.22 | 1/2 | 2,705.38 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,944.47 | 3/4 | 4,600.76 | 3/4 | 4,238.55 | 3/4 | 3,860.49 | 3/4 | 3,472.88 | 3/4 | 3,085.14 | 3/4 | 2,697.30 | | |
| 6 | | 6 | | 6 | | 6 | 4,937.48 | 6 | 4,593.38 | 6 | 4,230.83 | 6 | 3,852.45 | 6 | 3,464.80 | 6 | 3,077.06 | 6 | 2,689.22 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,930.50 | 1/4 | 4,586.00 | 1/4 | 4,223.12 | 1/4 | 3,844.41 | 1/4 | 3,456.72 | 1/4 | 3,068.98 | 1/4 | 2,681.14 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,923.49 | 1/2 | 4,578.58 | 1/2 | 4,215.38 | 1/2 | 3,836.35 | 1/2 | 3,448.65 | 1/2 | 3,060.91 | 1/2 | 2,673.06 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,266.26 | 3/4 | 4,916.48 | 3/4 | 4,571.17 | 3/4 | 4,207.64 | 3/4 | 3,828.28 | 3/4 | 3,440.57 | 3/4 | 3,052.83 | 3/4 | 2,664.98 |
| 7 | | 7 | | 7 | | 7 | 5,260.20 | 7 | 4,909.47 | 7 | 4,563.76 | 7 | 4,199.90 | 7 | 3,820.22 | 7 | 3,432.49 | 7 | 3,044.75 | 7 | 2,656.90 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,254.14 | 1/4 | 4,902.46 | 1/4 | 4,556.34 | 1/4 | 4,192.17 | 1/4 | 3,812.15 | 1/4 | 3,424.41 | 1/4 | 3,036.67 | 1/4 | 2,648.82 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,246.06 | 1/2 | 4,895.42 | 1/2 | 4,548.91 | 1/2 | 4,184.40 | 1/2 | 3,804.07 | 1/2 | 3,416.33 | 1/2 | 3,028.59 | 1/2 | 2,640.74 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,237.98 | 3/4 | 4,888.38 | 3/4 | 4,541.47 | 3/4 | 4,176.64 | 3/4 | 3,796.00 | 3/4 | 3,408.26 | 3/4 | 3,020.51 | 3/4 | 2,632.66 |
| 8 | | 8 | | 8 | | 8 | 5,229.90 | 8 | 4,881.34 | 8 | 4,534.03 | 8 | 4,168.88 | 8 | 3,787.92 | 8 | 3,400.18 | 8 | 3,012.43 | 8 | 2,624.58 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,221.82 | 1/4 | 4,874.30 | 1/4 | 4,526.60 | 1/4 | 4,161.11 | 1/4 | 3,779.84 | 1/4 | 3,392.10 | 1/4 | 3,004.35 | 1/4 | 2,616.50 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,213.74 | 1/2 | 4,867.24 | 1/2 | 4,519.14 | 1/2 | 4,153.32 | 1/2 | 3,771.76 | 1/2 | 3,384.02 | 1/2 | 2,996.27 | 1/2 | 2,608.42 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,205.66 | 3/4 | 4,860.17 | 3/4 | 4,511.68 | 3/4 | 4,145.52 | 3/4 | 3,763.68 | 3/4 | 3,375.94 | 3/4 | 2,988.19 | 3/4 | 2,600.34 |
| 9 | | 9 | | 9 | | 9 | 5,197.58 | 9 | 4,853.11 | 9 | 4,504.21 | 9 | 4,137.72 | 9 | 3,755.61 | 9 | 3,367.87 | 9 | 2,980.11 | 9 | 2,592.26 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,189.50 | 1/4 | 4,846.05 | 1/4 | 4,496.75 | 1/4 | 4,129.93 | 1/4 | 3,747.53 | 1/4 | 3,359.79 | 1/4 | 2,972.03 | 1/4 | 2,584.18 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,181.42 | 1/2 | 4,838.96 | 1/2 | 4,489.26 | 1/2 | 4,122.11 | 1/2 | 3,739.45 | 1/2 | 3,351.71 | 1/2 | 2,963.95 | 1/2 | 2,576.10 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,173.34 | 3/4 | 4,831.87 | 3/4 | 4,481.76 | 3/4 | 4,114.29 | 3/4 | 3,731.37 | 3/4 | 3,343.63 | 3/4 | 2,955.87 | 3/4 | 2,568.02 |
| 10 | | 10 | | 10 | | 10 | 5,165.26 | 10 | 4,824.78 | 10 | 4,474.27 | 10 | 4,106.47 | 10 | 3,723.29 | 10 | 3,335.55 | 10 | 2,947.79 | 10 | 2,559.93 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,157.18 | 1/4 | 4,817.69 | 1/4 | 4,466.77 | 1/4 | 4,098.65 | 1/4 | 3,715.22 | 1/4 | 3,327.48 | 1/4 | 2,939.71 | 1/4 | 2,551.85 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,149.10 | 1/2 | 4,810.57 | 1/2 | 4,459.26 | 1/2 | 4,090.80 | 1/2 | 3,707.14 | 1/2 | 3,319.40 | 1/2 | 2,931.63 | 1/2 | 2,543.77 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,141.02 | 3/4 | 4,803.45 | 3/4 | 4,451.74 | 3/4 | 4,082.96 | 3/4 | 3,699.06 | 3/4 | 3,311.32 | 3/4 | 2,923.55 | 3/4 | 2,535.69 |
| 11 | | 11 | | 11 | | 11 | 5,132.94 | 11 | 4,796.33 | 11 | 4,444.22 | 11 | 4,075.11 | 11 | 3,690.98 | 11 | 3,303.24 | 11 | 2,915.47 | 11 | 2,527.61 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,124.86 | 1/4 | 4,789.20 | 1/4 | 4,436.70 | 1/4 | 4,067.27 | 1/4 | 3,682.90 | 1/4 | 3,295.17 | 1/4 | 2,907.39 | 1/4 | 2,519.53 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,117.97 | 1/2 | 4,782.06 | 1/2 | 4,429.16 | 1/2 | 4,059.39 | 1/2 | 3,674.83 | 1/2 | 3,287.09 | 1/2 | 2,899.31 | 1/2 | 2,511.45 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,111.07 | 3/4 | 4,774.91 | 3/4 | 4,421.62 | 3/4 | 4,051.51 | 3/4 | 3,666.75 | 3/4 | 3,279.01 | 3/4 | 2,891.23 | 3/4 | 2,503.37 |

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-10" OFF CENTERLINE AND 44'-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 28059"

2 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 1/4"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 2,495.29 | 0 | 2,107.44 | 0 | 1,719.58 | 0 | 1,331.73 | 0 | 943.87 | 0 | 556.87 | 0 | 169.44 | 0 | | 0 | | 0 | |
| 1/4 | 2,487.21 | 1/4 | 2,099.36 | 1/4 | 1,711.50 | 1/4 | 1,323.65 | 1/4 | 935.79 | 1/4 | 548.80 | 1/4 | 161.37 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 2,479.13 | 1/2 | 2,091.28 | 1/2 | 1,703.42 | 1/2 | 1,315.57 | 1/2 | 927.71 | 1/2 | 540.73 | 1/2 | 153.29 | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 2,471.05 | 3/4 | 2,083.20 | 3/4 | 1,695.34 | 3/4 | 1,307.49 | 3/4 | 919.63 | 3/4 | 532.66 | 3/4 | 145.22 | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 1 | 2,462.97 | 1 | 2,075.12 | 1 | 1,687.26 | 1 | 1,299.41 | 1 | 911.55 | 1 | 524.59 | 1 | 137.15 | 1 | 1 | 1 | | 1 | |
| 1/4 | 2,454.89 | 1/4 | 2,067.04 | 1/4 | 1,679.18 | 1/4 | 1,291.33 | 1/4 | 903.47 | 1/4 | 516.52 | 1/4 | 129.08 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 2,446.81 | 1/2 | 2,058.96 | 1/2 | 1,671.10 | 1/2 | 1,283.25 | 1/2 | 895.41 | 1/2 | 508.45 | 1/2 | 121.01 | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 2,438.73 | 3/4 | 2,050.88 | 3/4 | 1,663.02 | 3/4 | 1,275.17 | 3/4 | 887.34 | 3/4 | 500.37 | 3/4 | 112.94 | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 2 | 2,430.65 | 2 | 2,042.80 | 2 | 1,654.94 | 2 | 1,267.09 | 2 | 879.27 | 2 | 492.30 | 2 | 104.87 | 2 | 2 | 2 | | 2 | |
| 1/4 | 2,422.57 | 1/4 | 2,034.72 | 1/4 | 1,646.86 | 1/4 | 1,259.01 | 1/4 | 871.20 | 1/4 | 484.23 | 1/4 | 96.79 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 2,414.49 | 1/2 | 2,026.63 | 1/2 | 1,638.78 | 1/2 | 1,250.93 | 1/2 | 863.14 | 1/2 | 476.16 | 1/2 | 88.72 | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 2,406.41 | 3/4 | 2,018.55 | 3/4 | 1,630.70 | 3/4 | 1,242.85 | 3/4 | 855.09 | 3/4 | 468.09 | 3/4 | 80.65 | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 3 | 2,398.33 | 3 | 2,010.47 | 3 | 1,622.62 | 3 | 1,234.77 | 3 | 847.03 | 3 | 460.02 | 3 | 72.58 | 3 | 3 | 3 | | 3 | |
| 1/4 | 2,390.25 | 1/4 | 2,002.39 | 1/4 | 1,614.54 | 1/4 | 1,226.69 | 1/4 | 838.98 | 1/4 | 451.94 | 1/4 | 64.51 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 2,382.17 | 1/2 | 1,994.31 | 1/2 | 1,606.46 | 1/2 | 1,218.60 | 1/2 | 830.92 | 1/2 | 443.87 | 1/2 | 57.44 | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 2,374.09 | 3/4 | 1,986.23 | 3/4 | 1,598.38 | 3/4 | 1,210.52 | 3/4 | 822.87 | 3/4 | 435.80 | 3/4 | 50.38 | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 4 | 2,366.01 | 4 | 1,978.15 | 4 | 1,590.30 | 4 | 1,202.44 | 4 | 814.81 | 4 | 427.73 | 4 | 43.32 | 4 | 4 | 4 | | 4 | |
| 1/4 | 2,357.93 | 1/4 | 1,970.07 | 1/4 | 1,582.22 | 1/4 | 1,194.36 | 1/4 | 806.75 | 1/4 | 419.66 | 1/4 | 36.26 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 2,349.85 | 1/2 | 1,961.99 | 1/2 | 1,574.14 | 1/2 | 1,186.28 | 1/2 | 798.70 | 1/2 | 411.59 | 1/2 | 31.21 | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 2,341.77 | 3/4 | 1,953.91 | 3/4 | 1,566.06 | 3/4 | 1,178.20 | 3/4 | 790.64 | 3/4 | 403.51 | 3/4 | 26.17 | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 5 | 2,333.69 | 5 | 1,945.83 | 5 | 1,557.98 | 5 | 1,170.12 | 5 | 782.59 | 5 | 395.44 | 5 | 21.13 | 5 | 5 | 5 | | 5 | |
| 1/4 | 2,325.61 | 1/4 | 1,937.75 | 1/4 | 1,549.90 | 1/4 | 1,162.04 | 1/4 | 774.53 | 1/4 | 387.37 | 1/4 | 16.09 | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 2,317.53 | 1/2 | 1,929.67 | 1/2 | 1,541.82 | 1/2 | 1,153.96 | 1/2 | 766.47 | 1/2 | 379.30 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 2,309.45 | 3/4 | 1,921.59 | 3/4 | 1,533.74 | 3/4 | 1,145.88 | 3/4 | 758.42 | 3/4 | 371.23 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 6 | 2,301.37 | 6 | 1,913.51 | 6 | 1,525.66 | 6 | 1,137.80 | 6 | 750.36 | 6 | 363.16 | 6 | | 6 | 6 | 6 | | 6 | |
| 1/4 | 2,293.28 | 1/4 | 1,905.43 | 1/4 | 1,517.58 | 1/4 | 1,129.72 | 1/4 | 742.31 | 1/4 | 355.08 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 2,285.20 | 1/2 | 1,897.35 | 1/2 | 1,509.50 | 1/2 | 1,121.64 | 1/2 | 734.25 | 1/2 | 347.01 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 2,277.12 | 3/4 | 1,889.27 | 3/4 | 1,501.42 | 3/4 | 1,113.56 | 3/4 | 726.19 | 3/4 | 338.94 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 7 | 2,269.04 | 7 | 1,881.19 | 7 | 1,493.34 | 7 | 1,105.48 | 7 | 718.14 | 7 | 330.87 | 7 | | 7 | 7 | 7 | | 7 | |
| 1/4 | 2,260.96 | 1/4 | 1,873.11 | 1/4 | 1,485.25 | 1/4 | 1,097.40 | 1/4 | 710.08 | 1/4 | 322.80 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 2,252.88 | 1/2 | 1,865.03 | 1/2 | 1,477.17 | 1/2 | 1,089.32 | 1/2 | 702.03 | 1/2 | 314.73 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 2,244.80 | 3/4 | 1,856.95 | 3/4 | 1,469.09 | 3/4 | 1,081.24 | 3/4 | 693.97 | 3/4 | 306.66 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 8 | 2,236.72 | 8 | 1,848.87 | 8 | 1,461.01 | 8 | 1,073.16 | 8 | 685.92 | 8 | 298.58 | 8 | | 8 | 8 | 8 | | 8 | |
| 1/4 | 2,228.64 | 1/4 | 1,840.79 | 1/4 | 1,452.93 | 1/4 | 1,065.08 | 1/4 | 677.86 | 1/4 | 290.51 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 2,220.56 | 1/2 | 1,832.71 | 1/2 | 1,444.85 | 1/2 | 1,057.00 | 1/2 | 669.80 | 1/2 | 282.44 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 2,212.48 | 3/4 | 1,824.63 | 3/4 | 1,436.77 | 3/4 | 1,048.92 | 3/4 | 661.75 | 3/4 | 274.37 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 9 | 2,204.40 | 9 | 1,816.55 | 9 | 1,428.69 | 9 | 1,040.84 | 9 | 653.69 | 9 | 266.30 | 9 | | 9 | 9 | 9 | | 9 | |
| 1/4 | 2,196.32 | 1/4 | 1,808.47 | 1/4 | 1,420.61 | 1/4 | 1,032.76 | 1/4 | 645.64 | 1/4 | 258.23 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 2,188.24 | 1/2 | 1,800.39 | 1/2 | 1,412.53 | 1/2 | 1,024.68 | 1/2 | 637.57 | 1/2 | 250.15 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 2,180.16 | 3/4 | 1,792.31 | 3/4 | 1,404.45 | 3/4 | 1,016.60 | 3/4 | 629.51 | 3/4 | 242.08 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 10 | 2,172.08 | 10 | 1,784.23 | 10 | 1,396.37 | 10 | 1,008.52 | 10 | 621.44 | 10 | 234.01 | 10 | | 10 | 10 | 10 | | 10 | |
| 1/4 | 2,164.00 | 1/4 | 1,776.15 | 1/4 | 1,388.29 | 1/4 | 1,000.44 | 1/4 | 613.38 | 1/4 | 225.94 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 2,155.92 | 1/2 | 1,768.07 | 1/2 | 1,380.21 | 1/2 | 992.36 | 1/2 | 605.30 | 1/2 | 217.87 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 2,147.84 | 3/4 | 1,759.99 | 3/4 | 1,372.13 | 3/4 | 984.28 | 3/4 | 597.23 | 3/4 | 209.80 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |
| 11 | 2,139.76 | 11 | 1,751.90 | 11 | 1,364.05 | 11 | 976.20 | 11 | 589.16 | 11 | 201.72 | 11 | | 11 | 11 | 11 | | 11 | |
| 1/4 | 2,131.68 | 1/4 | 1,743.82 | 1/4 | 1,355.97 | 1/4 | 968.12 | 1/4 | 581.09 | 1/4 | 193.65 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | |
| 1/2 | 2,123.60 | 1/2 | 1,735.74 | 1/2 | 1,347.89 | 1/2 | 960.04 | 1/2 | 573.02 | 1/2 | 185.58 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | |
| 3/4 | 2,115.52 | 3/4 | 1,727.66 | 3/4 | 1,339.81 | 3/4 | 951.96 | 3/4 | 564.95 | 3/4 | 177.51 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/08/2008 CL - SW
CALCULATED: 05/09/2008 CL
VERIFIED: 09/21/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2023

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



BARGE "KIRBY 28059"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE 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 | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 |
| | | | | | | | 5,093.58 | | 4,756.94 | | 4,403.00 | | 4,032.33 | | 3,647.11 | | 3,259.13 | | 2,871.10 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,086.68 | 1/4 | 4,749.79 | 1/4 | 4,395.45 | 1/4 | 4,024.44 | 1/4 | 3,639.03 | 1/4 | 3,251.05 | 1/4 | 2,863.01 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,079.76 | 1/2 | 4,742.61 | 1/2 | 4,387.87 | 1/2 | 4,016.54 | 1/2 | 3,630.95 | 1/2 | 3,242.96 | 1/2 | 2,854.93 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,072.84 | 3/4 | 4,735.44 | 3/4 | 4,380.29 | 3/4 | 4,008.63 | 3/4 | 3,622.86 | 3/4 | 3,234.88 | 3/4 | 2,846.84 | | |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5,065.91 | 1 | 4,728.26 | 1 | 4,372.71 | 1 | 4,000.72 | 1 | 3,614.78 | 1 | 3,226.80 | 1 | 2,838.76 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,058.99 | 1/4 | 4,721.08 | 1/4 | 4,365.13 | 1/4 | 3,992.82 | 1/4 | 3,606.70 | 1/4 | 3,218.71 | 1/4 | 2,830.67 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,052.05 | 1/2 | 4,713.88 | 1/2 | 4,357.53 | 1/2 | 3,984.87 | 1/2 | 3,598.62 | 1/2 | 3,210.63 | 1/2 | 2,822.58 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,045.10 | 3/4 | 4,706.67 | 3/4 | 4,349.93 | 3/4 | 3,976.93 | 3/4 | 3,590.53 | 3/4 | 3,202.55 | 3/4 | 2,814.50 | | |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 5,038.15 | 2 | 4,699.46 | 2 | 4,342.32 | 2 | 3,968.99 | 2 | 3,582.45 | 2 | 3,194.47 | 2 | 2,806.41 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,031.20 | 1/4 | 4,692.26 | 1/4 | 4,334.72 | 1/4 | 3,961.05 | 1/4 | 3,574.37 | 1/4 | 3,186.38 | 1/4 | 2,798.33 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,024.23 | 1/2 | 4,685.03 | 1/2 | 4,327.09 | 1/2 | 3,953.09 | 1/2 | 3,566.28 | 1/2 | 3,178.30 | 1/2 | 2,790.24 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,017.25 | 3/4 | 4,677.79 | 3/4 | 4,319.46 | 3/4 | 3,945.12 | 3/4 | 3,558.20 | 3/4 | 3,170.22 | 3/4 | 2,782.16 | | |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 5,010.27 | 3 | 4,670.56 | 3 | 4,311.83 | 3 | 3,937.16 | 3 | 3,550.12 | 3 | 3,162.13 | 3 | 2,774.07 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,003.29 | 1/4 | 4,663.33 | 1/4 | 4,304.20 | 1/4 | 3,929.20 | 1/4 | 3,542.03 | 1/4 | 3,154.05 | 1/4 | 2,765.99 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,996.36 | 1/2 | 4,656.00 | 1/2 | 4,296.53 | 1/2 | 3,921.21 | 1/2 | 3,533.95 | 1/2 | 3,145.97 | 1/2 | 2,757.90 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,989.43 | 3/4 | 4,648.67 | 3/4 | 4,288.87 | 3/4 | 3,913.22 | 3/4 | 3,525.87 | 3/4 | 3,137.88 | 3/4 | 2,749.82 | | |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4,982.49 | 4 | 4,641.35 | 4 | 4,281.21 | 4 | 3,905.23 | 4 | 3,517.79 | 4 | 3,129.80 | 4 | 2,741.73 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,975.56 | 1/4 | 4,634.02 | 1/4 | 4,273.55 | 1/4 | 3,897.24 | 1/4 | 3,509.70 | 1/4 | 3,121.72 | 1/4 | 2,733.64 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,968.60 | 1/2 | 4,626.66 | 1/2 | 4,265.86 | 1/2 | 3,889.22 | 1/2 | 3,501.62 | 1/2 | 3,113.64 | 1/2 | 2,725.56 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,961.65 | 3/4 | 4,619.30 | 3/4 | 4,258.18 | 3/4 | 3,881.20 | 3/4 | 3,493.54 | 3/4 | 3,105.55 | 3/4 | 2,717.47 | | |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4,954.69 | 5 | 4,611.94 | 5 | 4,250.49 | 5 | 3,873.17 | 5 | 3,485.45 | 5 | 3,097.47 | 5 | 2,709.39 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,947.73 | 1/4 | 4,604.58 | 1/4 | 4,242.80 | 1/4 | 3,865.15 | 1/4 | 3,477.37 | 1/4 | 3,089.39 | 1/4 | 2,701.30 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,940.74 | 1/2 | 4,597.20 | 1/2 | 4,235.08 | 1/2 | 3,857.11 | 1/2 | 3,469.29 | 1/2 | 3,081.30 | 1/2 | 2,693.22 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,933.75 | 3/4 | 4,589.81 | 3/4 | 4,227.36 | 3/4 | 3,849.06 | 3/4 | 3,461.20 | 3/4 | 3,073.22 | 3/4 | 2,685.13 | | |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4,926.77 | 6 | 4,582.43 | 6 | 4,219.64 | 6 | 3,841.02 | 6 | 3,453.12 | 6 | 3,065.14 | 6 | 2,677.05 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,919.78 | 1/4 | 4,575.04 | 1/4 | 4,211.92 | 1/4 | 3,832.97 | 1/4 | 3,445.04 | 1/4 | 3,057.05 | 1/4 | 2,668.96 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,912.76 | 1/2 | 4,567.62 | 1/2 | 4,204.18 | 1/2 | 3,824.90 | 1/2 | 3,436.96 | 1/2 | 3,048.97 | 1/2 | 2,660.87 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,255.77 | 3/4 | 4,905.75 | 3/4 | 4,560.20 | 3/4 | 4,196.44 | 3/4 | 3,816.83 | 3/4 | 3,428.87 | 3/4 | 3,040.89 | 3/4 | 2,652.79 |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5,249.70 | 7 | 4,898.74 | 7 | 4,552.79 | 7 | 4,188.69 | 7 | 3,808.76 | 7 | 3,420.79 | 7 | 3,032.81 | 7 | 2,644.70 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,243.64 | 1/4 | 4,891.72 | 1/4 | 4,545.37 | 1/4 | 4,180.95 | 1/4 | 3,800.69 | 1/4 | 3,412.71 | 1/4 | 3,024.72 | 1/4 | 2,636.62 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,235.55 | 1/2 | 4,884.68 | 1/2 | 4,537.93 | 1/2 | 4,173.18 | 1/2 | 3,792.61 | 1/2 | 3,404.62 | 1/2 | 3,016.64 | 1/2 | 2,628.53 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,227.47 | 3/4 | 4,877.63 | 3/4 | 4,530.48 | 3/4 | 4,165.41 | 3/4 | 3,784.52 | 3/4 | 3,396.54 | 3/4 | 3,008.55 | 3/4 | 2,620.45 |
| 8 | 8 | 8 | 8 | 8 | 8 | 8 | 5,219.38 | 8 | 4,870.58 | 8 | 4,523.04 | 8 | 4,157.64 | 8 | 3,776.44 | 8 | 3,388.46 | 8 | 3,000.47 | 8 | 2,612.36 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,211.30 | 1/4 | 4,863.54 | 1/4 | 4,515.60 | 1/4 | 4,149.88 | 1/4 | 3,768.36 | 1/4 | 3,380.37 | 1/4 | 2,992.38 | 1/4 | 2,604.28 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,203.21 | 1/2 | 4,856.47 | 1/2 | 4,508.14 | 1/2 | 4,142.07 | 1/2 | 3,760.28 | 1/2 | 3,372.29 | 1/2 | 2,984.29 | 1/2 | 2,596.19 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,195.13 | 3/4 | 4,849.40 | 3/4 | 4,500.67 | 3/4 | 4,134.27 | 3/4 | 3,752.19 | 3/4 | 3,364.21 | 3/4 | 2,976.21 | 3/4 | 2,588.11 |
| 9 | 9 | 9 | 9 | 9 | 9 | 9 | 5,187.04 | 9 | 4,842.33 | 9 | 4,493.20 | 9 | 4,126.47 | 9 | 3,744.11 | 9 | 3,356.13 | 9 | 2,968.12 | 9 | 2,580.02 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,178.95 | 1/4 | 4,835.27 | 1/4 | 4,485.74 | 1/4 | 4,118.67 | 1/4 | 3,736.03 | 1/4 | 3,348.04 | 1/4 | 2,960.04 | 1/4 | 2,571.93 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,170.87 | 1/2 | 4,828.17 | 1/2 | 4,478.24 | 1/2 | 4,110.85 | 1/2 | 3,727.94 | 1/2 | 3,339.96 | 1/2 | 2,951.95 | 1/2 | 2,563.85 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,162.78 | 3/4 | 4,821.08 | 3/4 | 4,470.74 | 3/4 | 4,103.02 | 3/4 | 3,719.86 | 3/4 | 3,331.88 | 3/4 | 2,943.87 | 3/4 | 2,555.76 |
| 10 | 10 | 10 | 10 | 10 | 10 | 10 | 5,154.70 | 10 | 4,813.98 | 10 | 4,463.24 | 10 | 4,095.20 | 10 | 3,711.78 | 10 | 3,323.79 | 10 | 2,935.78 | 10 | 2,547.68 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,146.61 | 1/4 | 4,806.89 | 1/4 | 4,455.74 | 1/4 | 4,087.37 | 1/4 | 3,703.69 | 1/4 | 3,315.71 | 1/4 | 2,927.70 | 1/4 | 2,539.59 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,138.53 | 1/2 | 4,799.77 | 1/2 | 4,448.22 | 1/2 | 4,079.52 | 1/2 | 3,695.61 | 1/2 | 3,307.63 | 1/2 | 2,919.61 | 1/2 | 2,531.51 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,130.44 | 3/4 | 4,792.64 | 3/4 | 4,440.69 | 3/4 | 4,071.67 | 3/4 | 3,687.53 | 3/4 | 3,299.54 | 3/4 | 2,911.53 | 3/4 | 2,523.42 |
| 11 | 11 | 11 | 11 | 11 | 11 | 11 | 5,122.36 | 11 | 4,785.51 | 11 | 4,433.17 | 11 | 4,063.82 | 11 | 3,679.45 | 11 | 3,291.46 | 11 | 2,903.44 | 11 | 2,515.34 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,114.27 | 1/4 | 4,778.39 | 1/4 | 4,425.65 | 1/4 | 4,055.97 | 1/4 | 3,671.36 | 1/4 | 3,283.38 | 1/4 | 2,895.35 | 1/4 | 2,507.25 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,107.37 | 1/2 | 4,771.24 | 1/2 | 4,418.10 | 1/2 | 4,048.09 | 1/2 | 3,663.28 | 1/2 | 3,275.30 | 1/2 | 2,887.27 | 1/2 | 2,499.16 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,100.47 | 3/4 | 4,764.09 | 3/4 | 4,410.55 | 3/4 | 4,040.21 | 3/4 | 3,655.20 | 3/4 | 3,267.21 | 3/4 | 2,879.18 | 3/4 | 2,491.08 |

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-10" OFF CENTERLINE AND 44'-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 28059"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE 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. | |
|--------|----------|--------|----------|--------|----------|--------|----------|--------|--------|--------|--------|--------|--------|--------|--|--------|--|--------|--|
| IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | |
| 0 | 2,482.99 | 0 | 2,094.89 | 0 | 1,706.79 | 0 | 1,318.68 | 0 | 931.03 | 0 | 558.00 | 0 | 170.09 | 0 | | 0 | | 0 | |
| 1/4 | 2,474.91 | 1/4 | 2,086.80 | 1/4 | 1,698.70 | 1/4 | 1,310.60 | 1/4 | 923.10 | 1/4 | 550.07 | 1/4 | 162.01 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,466.82 | 1/2 | 2,078.72 | 1/2 | 1,690.61 | 1/2 | 1,302.51 | 1/2 | 915.33 | 1/2 | 541.99 | 1/2 | 153.92 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,458.74 | 3/4 | 2,070.63 | 3/4 | 1,682.53 | 3/4 | 1,294.43 | 3/4 | 907.55 | 3/4 | 533.90 | 3/4 | 145.84 | 3/4 | | 3/4 | | 3/4 | |
| 1 | 2,450.65 | 1 | 2,062.55 | 1 | 1,674.44 | 1 | 1,286.34 | 1 | 899.77 | 1 | 525.82 | 1 | 137.76 | 1 | | 1 | | 1 | |
| 1/4 | 2,442.57 | 1/4 | 2,054.46 | 1/4 | 1,666.36 | 1/4 | 1,278.25 | 1/4 | 892.00 | 1/4 | 517.73 | 1/4 | 129.67 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,434.48 | 1/2 | 2,046.38 | 1/2 | 1,658.27 | 1/2 | 1,270.17 | 1/2 | 884.24 | 1/2 | 509.65 | 1/2 | 121.59 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,426.40 | 3/4 | 2,038.29 | 3/4 | 1,650.19 | 3/4 | 1,262.08 | 3/4 | 876.47 | 3/4 | 501.56 | 3/4 | 113.50 | 3/4 | | 3/4 | | 3/4 | |
| 2 | 2,418.31 | 2 | 2,030.21 | 2 | 1,642.10 | 2 | 1,254.00 | 2 | 868.71 | 2 | 493.48 | 2 | 105.42 | 2 | | 2 | | 2 | |
| 1/4 | 2,410.22 | 1/4 | 2,022.12 | 1/4 | 1,634.02 | 1/4 | 1,245.91 | 1/4 | 860.95 | 1/4 | 485.39 | 1/4 | 97.33 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,402.14 | 1/2 | 2,014.03 | 1/2 | 1,625.93 | 1/2 | 1,237.83 | 1/2 | 853.20 | 1/2 | 477.31 | 1/2 | 89.25 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,394.05 | 3/4 | 2,005.95 | 3/4 | 1,617.85 | 3/4 | 1,229.74 | 3/4 | 845.45 | 3/4 | 469.22 | 3/4 | 81.16 | 3/4 | | 3/4 | | 3/4 | |
| 3 | 2,385.97 | 3 | 1,997.86 | 3 | 1,609.76 | 3 | 1,221.66 | 3 | 837.69 | 3 | 461.14 | 3 | 73.08 | 3 | | 3 | | 3 | |
| 1/4 | 2,377.88 | 1/4 | 1,989.78 | 1/4 | 1,601.67 | 1/4 | 1,213.57 | 1/4 | 829.94 | 1/4 | 453.05 | 1/4 | 64.99 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,369.80 | 1/2 | 1,981.69 | 1/2 | 1,593.59 | 1/2 | 1,205.48 | 1/2 | 822.19 | 1/2 | 444.97 | 1/2 | 57.92 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,361.71 | 3/4 | 1,973.61 | 3/4 | 1,585.50 | 3/4 | 1,197.40 | 3/4 | 814.44 | 3/4 | 436.89 | 3/4 | 50.84 | 3/4 | | 3/4 | | 3/4 | |
| 4 | 2,353.63 | 4 | 1,965.52 | 4 | 1,577.42 | 4 | 1,189.31 | 4 | 806.69 | 4 | 428.80 | 4 | 43.77 | 4 | | 4 | | 4 | |
| 1/4 | 2,345.54 | 1/4 | 1,957.44 | 1/4 | 1,569.33 | 1/4 | 1,181.23 | 1/4 | 798.94 | 1/4 | 420.72 | 1/4 | 36.69 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,337.45 | 1/2 | 1,949.35 | 1/2 | 1,561.25 | 1/2 | 1,173.14 | 1/2 | 791.19 | 1/2 | 412.63 | 1/2 | 31.64 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,329.37 | 3/4 | 1,941.27 | 3/4 | 1,553.16 | 3/4 | 1,165.06 | 3/4 | 783.43 | 3/4 | 404.55 | 3/4 | 26.59 | 3/4 | | 3/4 | | 3/4 | |
| 5 | 2,321.28 | 5 | 1,933.18 | 5 | 1,545.08 | 5 | 1,156.97 | 5 | 775.68 | 5 | 396.46 | 5 | 21.53 | 5 | | 5 | | 5 | |
| 1/4 | 2,313.20 | 1/4 | 1,925.09 | 1/4 | 1,536.99 | 1/4 | 1,148.89 | 1/4 | 767.93 | 1/4 | 388.38 | 1/4 | 16.48 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,305.11 | 1/2 | 1,917.01 | 1/2 | 1,528.90 | 1/2 | 1,140.80 | 1/2 | 760.18 | 1/2 | 380.29 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,297.03 | 3/4 | 1,908.92 | 3/4 | 1,520.82 | 3/4 | 1,132.72 | 3/4 | 752.43 | 3/4 | 372.21 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 2,288.94 | 6 | 1,900.84 | 6 | 1,512.73 | 6 | 1,124.63 | 6 | 744.68 | 6 | 364.12 | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 2,280.86 | 1/4 | 1,892.75 | 1/4 | 1,504.65 | 1/4 | 1,116.54 | 1/4 | 736.93 | 1/4 | 356.04 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,272.77 | 1/2 | 1,884.67 | 1/2 | 1,496.56 | 1/2 | 1,108.46 | 1/2 | 729.17 | 1/2 | 347.96 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,264.69 | 3/4 | 1,876.58 | 3/4 | 1,488.48 | 3/4 | 1,100.37 | 3/4 | 721.42 | 3/4 | 339.87 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 2,256.60 | 7 | 1,868.50 | 7 | 1,480.39 | 7 | 1,092.29 | 7 | 713.67 | 7 | 331.79 | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 2,248.51 | 1/4 | 1,860.41 | 1/4 | 1,472.31 | 1/4 | 1,084.20 | 1/4 | 705.92 | 1/4 | 323.70 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,240.43 | 1/2 | 1,852.32 | 1/2 | 1,464.22 | 1/2 | 1,076.12 | 1/2 | 698.17 | 1/2 | 315.62 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,232.34 | 3/4 | 1,844.24 | 3/4 | 1,456.14 | 3/4 | 1,068.03 | 3/4 | 690.42 | 3/4 | 307.53 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 2,224.26 | 8 | 1,836.15 | 8 | 1,448.05 | 8 | 1,059.95 | 8 | 682.67 | 8 | 299.45 | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 2,216.17 | 1/4 | 1,828.07 | 1/4 | 1,439.96 | 1/4 | 1,051.86 | 1/4 | 674.92 | 1/4 | 291.36 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,208.09 | 1/2 | 1,819.98 | 1/2 | 1,431.88 | 1/2 | 1,043.77 | 1/2 | 667.17 | 1/2 | 283.28 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,200.00 | 3/4 | 1,811.90 | 3/4 | 1,423.79 | 3/4 | 1,035.69 | 3/4 | 659.42 | 3/4 | 275.19 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 2,191.92 | 9 | 1,803.81 | 9 | 1,415.71 | 9 | 1,027.60 | 9 | 651.67 | 9 | 267.11 | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 2,183.83 | 1/4 | 1,795.73 | 1/4 | 1,407.62 | 1/4 | 1,019.52 | 1/4 | 643.92 | 1/4 | 259.02 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,175.74 | 1/2 | 1,787.64 | 1/2 | 1,399.54 | 1/2 | 1,011.43 | 1/2 | 636.16 | 1/2 | 250.94 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,167.66 | 3/4 | 1,779.56 | 3/4 | 1,391.45 | 3/4 | 1,003.35 | 3/4 | 628.40 | 3/4 | 242.86 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 2,159.57 | 10 | 1,771.47 | 10 | 1,383.37 | 10 | 995.26 | 10 | 620.65 | 10 | 234.77 | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 2,151.49 | 1/4 | 1,763.38 | 1/4 | 1,375.28 | 1/4 | 987.18 | 1/4 | 612.89 | 1/4 | 226.69 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,143.40 | 1/2 | 1,755.30 | 1/2 | 1,367.19 | 1/2 | 979.09 | 1/2 | 605.11 | 1/2 | 218.60 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,135.32 | 3/4 | 1,747.21 | 3/4 | 1,359.11 | 3/4 | 971.01 | 3/4 | 597.34 | 3/4 | 210.52 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 2,127.23 | 11 | 1,739.13 | 11 | 1,351.02 | 11 | 962.92 | 11 | 589.56 | 11 | 202.43 | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 2,119.15 | 1/4 | 1,731.04 | 1/4 | 1,342.94 | 1/4 | 954.83 | 1/4 | 581.79 | 1/4 | 194.35 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,111.06 | 1/2 | 1,722.96 | 1/2 | 1,334.85 | 1/2 | 946.90 | 1/2 | 573.86 | 1/2 | 186.26 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,102.98 | 3/4 | 1,714.87 | 3/4 | 1,326.77 | 3/4 | 938.97 | 3/4 | 565.93 | 3/4 | 178.18 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/08/2008 CL - SW
CALCULATED: 05/09/2008 CL
VERIFIED: 09/21/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2023

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



BARGE "KIRBY 28059"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE 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 | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-10" OFF CENTERLINE AND 41'-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 28059"

3 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-05"

| 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | | 16 FT. | | 17 FT. | | 18 FT. | | 19 FT. | |
|--------|----------|--------|----------|--------|----------|--------|----------|--------|--------|--------|--------|--------|--------|--------|-----|--------|-----|--------|-----|
| IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 0 | 2,319.87 | 0 | 1,958.27 | 0 | 1,596.67 | 0 | 1,235.07 | 0 | 874.27 | 0 | 512.69 | 0 | 151.11 | 0 | | 0 | | 0 | |
| 1/4 | 2,312.33 | 1/4 | 1,950.74 | 1/4 | 1,589.14 | 1/4 | 1,227.54 | 1/4 | 866.74 | 1/4 | 505.16 | 1/4 | 143.57 | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 2,304.80 | 1/2 | 1,943.20 | 1/2 | 1,581.60 | 1/2 | 1,220.01 | 1/2 | 859.21 | 1/2 | 497.62 | 1/2 | 136.04 | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 2,297.27 | 3/4 | 1,935.67 | 3/4 | 1,574.07 | 3/4 | 1,212.47 | 3/4 | 851.68 | 3/4 | 490.09 | 3/4 | 128.51 | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 1 | 2,289.73 | 1 | 1,928.14 | 1 | 1,566.54 | 1 | 1,204.94 | 1 | 844.14 | 1 | 482.56 | 1 | 120.97 | 1 | 1 | 1 | | 1 | 1 |
| 1/4 | 2,282.20 | 1/4 | 1,920.60 | 1/4 | 1,559.00 | 1/4 | 1,197.41 | 1/4 | 836.61 | 1/4 | 475.03 | 1/4 | 113.44 | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 2,274.67 | 1/2 | 1,913.07 | 1/2 | 1,551.47 | 1/2 | 1,189.87 | 1/2 | 829.08 | 1/2 | 467.49 | 1/2 | 105.91 | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 2,267.13 | 3/4 | 1,905.54 | 3/4 | 1,543.94 | 3/4 | 1,182.34 | 3/4 | 821.54 | 3/4 | 459.96 | 3/4 | 98.38 | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 2 | 2,259.60 | 2 | 1,898.00 | 2 | 1,536.40 | 2 | 1,174.81 | 2 | 814.01 | 2 | 452.43 | 2 | 90.84 | 2 | 2 | 2 | | 2 | 2 |
| 1/4 | 2,252.07 | 1/4 | 1,890.47 | 1/4 | 1,528.87 | 1/4 | 1,167.27 | 1/4 | 806.48 | 1/4 | 444.89 | 1/4 | 83.31 | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 2,244.54 | 1/2 | 1,882.94 | 1/2 | 1,521.34 | 1/2 | 1,159.74 | 1/2 | 798.94 | 1/2 | 437.36 | 1/2 | 75.78 | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 2,237.00 | 3/4 | 1,875.40 | 3/4 | 1,513.80 | 3/4 | 1,152.21 | 3/4 | 791.41 | 3/4 | 429.83 | 3/4 | 68.24 | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 3 | 2,229.47 | 3 | 1,867.87 | 3 | 1,506.27 | 3 | 1,144.67 | 3 | 783.88 | 3 | 422.29 | 3 | 60.71 | 3 | 3 | 3 | | 3 | 3 |
| 1/4 | 2,221.94 | 1/4 | 1,860.34 | 1/4 | 1,498.74 | 1/4 | 1,137.14 | 1/4 | 776.35 | 1/4 | 414.76 | 1/4 | 54.12 | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 2,214.40 | 1/2 | 1,852.80 | 1/2 | 1,491.21 | 1/2 | 1,129.61 | 1/2 | 768.81 | 1/2 | 407.23 | 1/2 | 47.53 | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 2,206.87 | 3/4 | 1,845.27 | 3/4 | 1,483.67 | 3/4 | 1,122.07 | 3/4 | 761.28 | 3/4 | 399.70 | 3/4 | 40.93 | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 4 | 2,199.34 | 4 | 1,837.74 | 4 | 1,476.14 | 4 | 1,114.54 | 4 | 753.75 | 4 | 392.16 | 4 | 34.34 | 4 | 4 | 4 | | 4 | 4 |
| 1/4 | 2,191.80 | 1/4 | 1,830.20 | 1/4 | 1,468.61 | 1/4 | 1,107.03 | 1/4 | 746.21 | 1/4 | 384.63 | 1/4 | 29.63 | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 2,184.27 | 1/2 | 1,822.67 | 1/2 | 1,461.07 | 1/2 | 1,099.52 | 1/2 | 738.68 | 1/2 | 377.10 | 1/2 | 24.93 | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 2,176.74 | 3/4 | 1,815.14 | 3/4 | 1,453.54 | 3/4 | 1,092.02 | 3/4 | 731.15 | 3/4 | 369.56 | 3/4 | 20.22 | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 5 | 2,169.20 | 5 | 1,807.60 | 5 | 1,446.01 | 5 | 1,084.51 | 5 | 723.61 | 5 | 362.03 | 5 | 15.51 | 5 | 5 | 5 | | 5 | 5 |
| 1/4 | 2,161.67 | 1/4 | 1,800.07 | 1/4 | 1,438.47 | 1/4 | 1,077.00 | 1/4 | 716.08 | 1/4 | 354.50 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 2,154.14 | 1/2 | 1,792.54 | 1/2 | 1,430.94 | 1/2 | 1,069.49 | 1/2 | 708.55 | 1/2 | 346.96 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 2,146.60 | 3/4 | 1,785.00 | 3/4 | 1,423.41 | 3/4 | 1,061.98 | 3/4 | 701.02 | 3/4 | 339.43 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 6 | 2,139.07 | 6 | 1,777.47 | 6 | 1,415.87 | 6 | 1,054.47 | 6 | 693.48 | 6 | 331.90 | 6 | | 6 | 6 | 6 | | 6 | 6 |
| 1/4 | 2,131.54 | 1/4 | 1,769.94 | 1/4 | 1,408.34 | 1/4 | 1,046.97 | 1/4 | 685.95 | 1/4 | 324.37 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 2,124.00 | 1/2 | 1,762.40 | 1/2 | 1,400.81 | 1/2 | 1,039.46 | 1/2 | 678.42 | 1/2 | 316.83 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 2,116.47 | 3/4 | 1,754.87 | 3/4 | 1,393.27 | 3/4 | 1,031.95 | 3/4 | 670.88 | 3/4 | 309.30 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 7 | 2,108.94 | 7 | 1,747.34 | 7 | 1,385.74 | 7 | 1,024.44 | 7 | 663.35 | 7 | 301.77 | 7 | | 7 | 7 | 7 | | 7 | 7 |
| 1/4 | 2,101.40 | 1/4 | 1,739.80 | 1/4 | 1,378.21 | 1/4 | 1,016.93 | 1/4 | 655.82 | 1/4 | 294.23 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 2,093.87 | 1/2 | 1,732.27 | 1/2 | 1,370.67 | 1/2 | 1,009.42 | 1/2 | 648.28 | 1/2 | 286.70 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 2,086.34 | 3/4 | 1,724.74 | 3/4 | 1,363.14 | 3/4 | 1,001.92 | 3/4 | 640.75 | 3/4 | 279.17 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 8 | 2,078.80 | 8 | 1,717.20 | 8 | 1,355.61 | 8 | 994.41 | 8 | 633.22 | 8 | 271.63 | 8 | | 8 | 8 | 8 | | 8 | 8 |
| 1/4 | 2,071.27 | 1/4 | 1,709.67 | 1/4 | 1,348.07 | 1/4 | 986.90 | 1/4 | 986.90 | 1/4 | 264.10 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 2,063.74 | 1/2 | 1,702.14 | 1/2 | 1,340.54 | 1/2 | 979.39 | 1/2 | 979.39 | 1/2 | 256.57 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 2,056.20 | 3/4 | 1,694.60 | 3/4 | 1,333.01 | 3/4 | 971.88 | 3/4 | 971.88 | 3/4 | 249.04 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 9 | 2,048.67 | 9 | 1,687.07 | 9 | 1,325.47 | 9 | 964.37 | 9 | 964.37 | 9 | 241.50 | 9 | | 9 | 9 | 9 | | 9 | 9 |
| 1/4 | 2,041.14 | 1/4 | 1,679.54 | 1/4 | 1,317.94 | 1/4 | 956.87 | 1/4 | 956.87 | 1/4 | 233.97 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 2,033.60 | 1/2 | 1,672.00 | 1/2 | 1,310.41 | 1/2 | 949.36 | 1/2 | 949.36 | 1/2 | 226.44 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 2,026.07 | 3/4 | 1,664.47 | 3/4 | 1,302.87 | 3/4 | 941.85 | 3/4 | 941.85 | 3/4 | 218.90 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 10 | 2,018.54 | 10 | 1,656.94 | 10 | 1,295.34 | 10 | 934.34 | 10 | 934.34 | 10 | 211.37 | 10 | | 10 | 10 | 10 | | 10 | 10 |
| 1/4 | 2,011.00 | 1/4 | 1,649.40 | 1/4 | 1,287.81 | 1/4 | 926.83 | 1/4 | 926.83 | 1/4 | 203.84 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 2,003.47 | 1/2 | 1,641.87 | 1/2 | 1,280.27 | 1/2 | 919.32 | 1/2 | 919.32 | 1/2 | 196.30 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 1,995.94 | 3/4 | 1,634.34 | 3/4 | 1,272.74 | 3/4 | 911.82 | 3/4 | 911.82 | 3/4 | 188.77 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 11 | 1,988.40 | 11 | 1,626.80 | 11 | 1,265.21 | 11 | 904.31 | 11 | 904.31 | 11 | 181.24 | 11 | | 11 | 11 | 11 | | 11 | 11 |
| 1/4 | 1,980.87 | 1/4 | 1,619.27 | 1/4 | 1,257.67 | 1/4 | 896.80 | 1/4 | 896.80 | 1/4 | 173.71 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 1,973.34 | 1/2 | 1,611.74 | 1/2 | 1,250.14 | 1/2 | 889.29 | 1/2 | 889.29 | 1/2 | 166.17 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 1,965.80 | 3/4 | 1,604.20 | 3/4 | 1,242.61 | 3/4 | 881.78 | 3/4 | 881.78 | 3/4 | 158.64 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |

STRAPPED: 05/08/2008 CL - SW
CALCULATED: 05/09/2008 CL
VERIFIED: 09/21/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2023

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 28059"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE 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 | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,476.00 | 1/4 | 4,219.75 | 1/4 | 3,950.65 | 1/4 | 3,669.09 | 1/4 | 3,374.37 | 1/4 | 3,018.62 | 1/4 | 2,658.00 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,470.75 | 1/2 | 4,214.29 | 1/2 | 3,944.90 | 1/2 | 3,663.09 | 1/2 | 3,367.54 | 1/2 | 3,011.11 | 1/2 | 2,650.49 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,465.50 | 3/4 | 4,208.83 | 3/4 | 3,939.15 | 3/4 | 3,657.09 | 3/4 | 3,360.70 | 3/4 | 3,003.60 | 3/4 | 2,642.98 | | |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4,460.25 | 1 | 4,203.37 | 1 | 3,933.39 | 1 | 3,651.09 | 1 | 3,353.87 | 1 | 2,996.08 | 1 | 2,635.46 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,454.99 | 1/4 | 4,197.90 | 1/4 | 3,927.64 | 1/4 | 3,645.09 | 1/4 | 3,347.04 | 1/4 | 2,988.57 | 1/4 | 2,627.95 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,449.72 | 1/2 | 4,192.42 | 1/2 | 3,921.87 | 1/2 | 3,639.06 | 1/2 | 3,339.93 | 1/2 | 2,981.06 | 1/2 | 2,620.44 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,444.45 | 3/4 | 4,186.93 | 3/4 | 3,916.10 | 3/4 | 3,633.03 | 3/4 | 3,332.83 | 3/4 | 2,973.55 | 3/4 | 2,612.92 | | |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4,439.18 | 2 | 4,181.45 | 2 | 3,910.33 | 2 | 3,627.00 | 2 | 3,325.72 | 2 | 2,966.04 | 2 | 2,605.41 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,433.91 | 1/4 | 4,175.96 | 1/4 | 3,904.56 | 1/4 | 3,620.98 | 1/4 | 3,318.61 | 1/4 | 2,958.52 | 1/4 | 2,597.90 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,428.61 | 1/2 | 4,170.45 | 1/2 | 3,898.77 | 1/2 | 3,614.93 | 1/2 | 3,311.22 | 1/2 | 2,951.01 | 1/2 | 2,590.38 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,423.32 | 3/4 | 4,164.95 | 3/4 | 3,892.97 | 3/4 | 3,608.89 | 3/4 | 3,303.84 | 3/4 | 2,943.50 | 3/4 | 2,582.87 | | |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4,418.02 | 3 | 4,159.45 | 3 | 3,887.18 | 3 | 3,602.85 | 3 | 3,296.45 | 3 | 2,935.99 | 3 | 2,575.36 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,412.73 | 1/4 | 4,153.94 | 1/4 | 3,881.39 | 1/4 | 3,596.80 | 1/4 | 3,289.07 | 1/4 | 2,928.47 | 1/4 | 2,567.84 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,407.45 | 1/2 | 4,148.38 | 1/2 | 3,875.58 | 1/2 | 3,590.74 | 1/2 | 3,281.56 | 1/2 | 2,920.96 | 1/2 | 2,560.33 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,402.17 | 3/4 | 4,142.82 | 3/4 | 3,869.77 | 3/4 | 3,584.68 | 3/4 | 3,274.04 | 3/4 | 2,913.45 | 3/4 | 2,552.82 | | |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4,396.90 | 4 | 4,137.26 | 4 | 3,863.95 | 4 | 3,578.62 | 4 | 3,266.53 | 4 | 2,905.94 | 4 | 2,545.30 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,391.62 | 1/4 | 4,131.69 | 1/4 | 3,858.14 | 1/4 | 3,572.55 | 1/4 | 3,259.02 | 1/4 | 2,898.42 | 1/4 | 2,537.79 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,386.32 | 1/2 | 4,126.11 | 1/2 | 3,852.30 | 1/2 | 3,566.47 | 1/2 | 3,251.51 | 1/2 | 2,890.91 | 1/2 | 2,530.28 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,381.03 | 3/4 | 4,120.53 | 3/4 | 3,846.47 | 3/4 | 3,560.38 | 3/4 | 3,243.99 | 3/4 | 2,883.40 | 3/4 | 2,522.76 | | |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4,375.73 | 5 | 4,114.94 | 5 | 3,840.64 | 5 | 3,554.29 | 5 | 3,236.48 | 5 | 2,875.89 | 5 | 2,515.25 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,370.44 | 1/4 | 4,109.36 | 1/4 | 3,834.80 | 1/4 | 3,548.20 | 1/4 | 3,228.97 | 1/4 | 2,868.37 | 1/4 | 2,507.73 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,365.12 | 1/2 | 4,103.75 | 1/2 | 3,828.95 | 1/2 | 3,542.09 | 1/2 | 3,221.46 | 1/2 | 2,860.86 | 1/2 | 2,500.22 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,359.80 | 3/4 | 4,098.15 | 3/4 | 3,823.09 | 3/4 | 3,535.99 | 3/4 | 3,213.94 | 3/4 | 2,853.35 | 3/4 | 2,492.71 | | |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4,354.48 | 6 | 4,092.54 | 6 | 3,817.23 | 6 | 3,529.88 | 6 | 3,206.43 | 6 | 2,845.84 | 6 | 2,485.19 | | |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,349.16 | 1/4 | 4,086.94 | 1/4 | 3,811.37 | 1/4 | 3,523.78 | 1/4 | 3,198.92 | 1/4 | 2,838.32 | 1/4 | 2,477.68 | | |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,343.82 | 1/2 | 4,081.31 | 1/2 | 3,805.49 | 1/2 | 3,517.65 | 1/2 | 3,191.41 | 1/2 | 2,830.81 | 1/2 | 2,470.17 | | |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,604.32 | 3/4 | 4,338.48 | 3/4 | 4,075.68 | 3/4 | 3,799.61 | 3/4 | 3,511.53 | 3/4 | 3,183.89 | 3/4 | 2,823.30 | 3/4 | 2,462.66 |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4,599.71 | 7 | 4,333.14 | 7 | 4,070.05 | 7 | 3,793.74 | 7 | 3,505.40 | 7 | 3,176.38 | 7 | 2,815.79 | 7 | 2,455.15 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,595.11 | 1/4 | 4,327.80 | 1/4 | 4,064.42 | 1/4 | 3,787.86 | 1/4 | 3,499.28 | 1/4 | 3,168.87 | 1/4 | 2,808.27 | 1/4 | 2,447.64 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,588.97 | 1/2 | 4,322.44 | 1/2 | 4,058.77 | 1/2 | 3,781.97 | 1/2 | 3,493.15 | 1/2 | 3,161.36 | 1/2 | 2,800.76 | 1/2 | 2,440.13 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,582.84 | 3/4 | 4,317.07 | 3/4 | 4,053.12 | 3/4 | 3,776.07 | 3/4 | 3,487.01 | 3/4 | 3,153.85 | 3/4 | 2,793.25 | 3/4 | 2,432.62 |
| 8 | 8 | 8 | 8 | 8 | 8 | 8 | 4,576.70 | 8 | 4,311.71 | 8 | 4,047.48 | 8 | 3,770.18 | 8 | 3,480.88 | 8 | 3,146.33 | 8 | 2,785.73 | 8 | 2,425.11 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,570.57 | 1/4 | 4,306.35 | 1/4 | 4,041.83 | 1/4 | 3,764.28 | 1/4 | 3,474.74 | 1/4 | 3,138.82 | 1/4 | 2,778.22 | 1/4 | 2,417.60 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,564.43 | 1/2 | 4,300.96 | 1/2 | 4,036.16 | 1/2 | 3,758.36 | 1/2 | 3,468.61 | 1/2 | 3,131.31 | 1/2 | 2,770.71 | 1/2 | 2,410.09 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,558.29 | 3/4 | 4,295.58 | 3/4 | 4,030.50 | 3/4 | 3,752.44 | 3/4 | 3,462.47 | 3/4 | 3,123.80 | 3/4 | 2,763.19 | 3/4 | 2,402.58 |
| 9 | 9 | 9 | 9 | 9 | 9 | 9 | 4,552.16 | 9 | 4,290.20 | 9 | 4,024.83 | 9 | 3,746.52 | 9 | 3,456.34 | 9 | 3,116.28 | 9 | 2,755.68 | 9 | 2,395.07 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,546.02 | 1/4 | 4,284.82 | 1/4 | 4,019.17 | 1/4 | 3,740.60 | 1/4 | 3,450.20 | 1/4 | 3,108.77 | 1/4 | 2,748.17 | 1/4 | 2,387.56 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,539.89 | 1/2 | 4,279.42 | 1/2 | 4,013.47 | 1/2 | 3,734.66 | 1/2 | 3,444.07 | 1/2 | 3,101.26 | 1/2 | 2,740.65 | 1/2 | 2,380.05 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,533.75 | 3/4 | 4,274.02 | 3/4 | 4,007.78 | 3/4 | 3,728.72 | 3/4 | 3,437.94 | 3/4 | 3,093.75 | 3/4 | 2,733.14 | 3/4 | 2,372.54 |
| 10 | 10 | 10 | 10 | 10 | 10 | 10 | 4,527.62 | 10 | 4,268.62 | 10 | 4,002.09 | 10 | 3,722.78 | 10 | 3,431.80 | 10 | 3,086.23 | 10 | 2,725.63 | 10 | 2,365.03 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,521.48 | 1/4 | 4,263.22 | 1/4 | 3,996.40 | 1/4 | 3,716.85 | 1/4 | 3,425.67 | 1/4 | 3,078.72 | 1/4 | 2,718.11 | 1/4 | 2,357.52 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,515.34 | 1/2 | 4,257.80 | 1/2 | 3,990.69 | 1/2 | 3,710.89 | 1/2 | 3,419.39 | 1/2 | 3,071.21 | 1/2 | 2,710.60 | 1/2 | 2,350.01 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,509.21 | 3/4 | 4,252.37 | 3/4 | 3,984.98 | 3/4 | 3,704.93 | 3/4 | 3,413.12 | 3/4 | 3,063.70 | 3/4 | 2,703.09 | 3/4 | 2,342.50 |
| 11 | 11 | 11 | 11 | 11 | 11 | 11 | 4,503.07 | 11 | 4,246.95 | 11 | 3,979.27 | 11 | 3,698.97 | 11 | 3,406.85 | 11 | 3,056.18 | 11 | 2,695.57 | 11 | 2,334.99 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,496.94 | 1/4 | 4,241.52 | 1/4 | 3,973.56 | 1/4 | 3,693.01 | 1/4 | 3,400.57 | 1/4 | 3,048.67 | 1/4 | 2,688.06 | 1/4 | 2,327.48 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,491.70 | 1/2 | 4,236.08 | 1/2 | 3,967.84 | 1/2 | 3,687.03 | 1/2 | 3,394.02 | 1/2 | 3,041.16 | 1/2 | 2,680.55 | 1/2 | 2,319.97 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,486.47 | 3/4 | 4,230.64 | 3/4 | 3,962.11 | 3/4 | 3,681.05 | 3/4 | 3,387.47 | 3/4 | 3,033.65 | 3/4 | 2,673.03 | 3/4 | 2,312.46 |

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-10" OFF CENTERLINE AND 41'-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 28059"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE 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. | |
|--------|----------|--------|----------|--------|----------|--------|----------|--------|--------|--------|--------|--------|--------|--------|-----|--------|-----|--------|--|
| IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | |
| 0 | 2,304.95 | 0 | 1,945.51 | 0 | 1,586.73 | 0 | 1,226.04 | 0 | 871.98 | 0 | 518.92 | 0 | 158.51 | 0 | | 0 | | 0 | |
| 1/4 | 2,297.44 | 1/4 | 1,938.07 | 1/4 | 1,579.21 | 1/4 | 1,218.52 | 1/4 | 864.61 | 1/4 | 511.55 | 1/4 | 150.99 | 1/4 | 1/4 | | 1/4 | 1/4 | |
| 1/2 | 2,289.93 | 1/2 | 1,930.62 | 1/2 | 1,571.70 | 1/2 | 1,211.15 | 1/2 | 857.23 | 1/2 | 504.10 | 1/2 | 143.36 | 1/2 | 1/2 | | 1/2 | 1/2 | |
| 3/4 | 2,282.41 | 3/4 | 1,923.17 | 3/4 | 1,564.19 | 3/4 | 1,203.77 | 3/4 | 849.85 | 3/4 | 496.65 | 3/4 | 135.93 | 3/4 | 3/4 | | 3/4 | 3/4 | |
| 1 | 2,274.90 | 1 | 1,915.72 | 1 | 1,556.67 | 1 | 1,196.39 | 1 | 842.47 | 1 | 489.21 | 1 | 128.40 | 1 | 1 | | 1 | 1 | |
| 1/4 | 2,267.39 | 1/4 | 1,908.27 | 1/4 | 1,549.16 | 1/4 | 1,189.01 | 1/4 | 835.10 | 1/4 | 481.76 | 1/4 | 120.88 | 1/4 | 1/4 | | 1/4 | 1/4 | |
| 1/2 | 2,259.87 | 1/2 | 1,900.82 | 1/2 | 1,541.64 | 1/2 | 1,181.63 | 1/2 | 827.72 | 1/2 | 474.25 | 1/2 | 113.35 | 1/2 | 1/2 | | 1/2 | 1/2 | |
| 3/4 | 2,252.36 | 3/4 | 1,893.37 | 3/4 | 1,534.13 | 3/4 | 1,174.26 | 3/4 | 820.35 | 3/4 | 466.73 | 3/4 | 105.82 | 3/4 | 3/4 | | 3/4 | 3/4 | |
| 2 | 2,244.84 | 2 | 1,885.93 | 2 | 1,526.61 | 2 | 1,166.88 | 2 | 812.97 | 2 | 459.21 | 2 | 98.30 | 2 | 2 | | 2 | 2 | |
| 1/4 | 2,237.33 | 1/4 | 1,878.48 | 1/4 | 1,519.10 | 1/4 | 1,159.50 | 1/4 | 805.60 | 1/4 | 451.70 | 1/4 | 90.77 | 1/4 | 1/4 | | 1/4 | 1/4 | |
| 1/2 | 2,229.81 | 1/2 | 1,871.03 | 1/2 | 1,511.58 | 1/2 | 1,152.12 | 1/2 | 798.24 | 1/2 | 444.18 | 1/2 | 83.24 | 1/2 | 1/2 | | 1/2 | 1/2 | |
| 3/4 | 2,222.30 | 3/4 | 1,863.58 | 3/4 | 1,504.07 | 3/4 | 1,144.75 | 3/4 | 790.89 | 3/4 | 436.67 | 3/4 | 75.71 | 3/4 | 3/4 | | 3/4 | 3/4 | |
| 3 | 2,214.78 | 3 | 1,856.13 | 3 | 1,496.56 | 3 | 1,137.37 | 3 | 783.53 | 3 | 429.15 | 3 | 68.19 | 3 | 3 | | 3 | 3 | |
| 1/4 | 2,207.27 | 1/4 | 1,848.68 | 1/4 | 1,489.04 | 1/4 | 1,129.99 | 1/4 | 776.17 | 1/4 | 421.64 | 1/4 | 60.66 | 1/4 | 1/4 | | 1/4 | 1/4 | |
| 1/2 | 2,199.76 | 1/2 | 1,841.23 | 1/2 | 1,481.53 | 1/2 | 1,122.61 | 1/2 | 768.83 | 1/2 | 414.12 | 1/2 | 54.07 | 1/2 | 1/2 | | 1/2 | 1/2 | |
| 3/4 | 2,192.24 | 3/4 | 1,833.78 | 3/4 | 1,474.01 | 3/4 | 1,115.23 | 3/4 | 761.48 | 3/4 | 406.61 | 3/4 | 47.49 | 3/4 | 3/4 | | 3/4 | 3/4 | |
| 4 | 2,184.73 | 4 | 1,826.34 | 4 | 1,466.50 | 4 | 1,107.86 | 4 | 754.14 | 4 | 399.09 | 4 | 40.90 | 4 | 4 | | 4 | 4 | |
| 1/4 | 2,177.21 | 1/4 | 1,818.89 | 1/4 | 1,458.98 | 1/4 | 1,100.48 | 1/4 | 746.79 | 1/4 | 391.57 | 1/4 | 34.31 | 1/4 | 1/4 | | 1/4 | 1/4 | |
| 1/2 | 2,169.70 | 1/2 | 1,811.44 | 1/2 | 1,451.47 | 1/2 | 1,093.11 | 1/2 | 739.45 | 1/2 | 384.06 | 1/2 | 29.61 | 1/2 | 1/2 | | 1/2 | 1/2 | |
| 3/4 | 2,162.18 | 3/4 | 1,803.99 | 3/4 | 1,443.96 | 3/4 | 1,085.74 | 3/4 | 732.10 | 3/4 | 376.54 | 3/4 | 24.90 | 3/4 | 3/4 | | 3/4 | 3/4 | |
| 5 | 2,154.67 | 5 | 1,796.54 | 5 | 1,436.44 | 5 | 1,078.37 | 5 | 724.76 | 5 | 369.03 | 5 | 20.20 | 5 | 5 | | 5 | 5 | |
| 1/4 | 2,147.16 | 1/4 | 1,789.09 | 1/4 | 1,428.93 | 1/4 | 1,070.99 | 1/4 | 717.41 | 1/4 | 361.51 | 1/4 | 15.50 | 1/4 | 1/4 | | 1/4 | 1/4 | |
| 1/2 | 2,139.64 | 1/2 | 1,781.64 | 1/2 | 1,421.41 | 1/2 | 1,063.62 | 1/2 | 710.07 | 1/2 | 354.00 | 1/2 | | 1/2 | 1/2 | | 1/2 | 1/2 | |
| 3/4 | 2,132.13 | 3/4 | 1,774.19 | 3/4 | 1,413.90 | 3/4 | 1,056.25 | 3/4 | 702.72 | 3/4 | 346.48 | 3/4 | | 3/4 | 3/4 | | 3/4 | 3/4 | |
| 6 | 2,124.61 | 6 | 1,766.75 | 6 | 1,406.38 | 6 | 1,048.88 | 6 | 695.37 | 6 | 338.97 | 6 | | 6 | 6 | | 6 | 6 | |
| 1/4 | 2,117.10 | 1/4 | 1,759.30 | 1/4 | 1,398.87 | 1/4 | 1,041.51 | 1/4 | 688.03 | 1/4 | 331.45 | 1/4 | | 1/4 | 1/4 | | 1/4 | 1/4 | |
| 1/2 | 2,109.58 | 1/2 | 1,751.85 | 1/2 | 1,391.35 | 1/2 | 1,034.14 | 1/2 | 680.68 | 1/2 | 323.94 | 1/2 | | 1/2 | 1/2 | | 1/2 | 1/2 | |
| 3/4 | 2,102.07 | 3/4 | 1,744.40 | 3/4 | 1,383.84 | 3/4 | 1,026.77 | 3/4 | 673.34 | 3/4 | 316.42 | 3/4 | | 3/4 | 3/4 | | 3/4 | 3/4 | |
| 7 | 2,094.55 | 7 | 1,736.95 | 7 | 1,376.33 | 7 | 1,019.40 | 7 | 665.99 | 7 | 308.90 | 7 | | 7 | 7 | | 7 | 7 | |
| 1/4 | 2,087.04 | 1/4 | 1,729.50 | 1/4 | 1,368.81 | 1/4 | 1,012.03 | 1/4 | 658.64 | 1/4 | 301.39 | 1/4 | | 1/4 | 1/4 | | 1/4 | 1/4 | |
| 1/2 | 2,079.59 | 1/2 | 1,721.99 | 1/2 | 1,361.30 | 1/2 | 1,004.66 | 1/2 | 651.30 | 1/2 | 293.87 | 1/2 | | 1/2 | 1/2 | | 1/2 | 1/2 | |
| 3/4 | 2,072.14 | 3/4 | 1,714.47 | 3/4 | 1,353.78 | 3/4 | 997.28 | 3/4 | 643.95 | 3/4 | 286.36 | 3/4 | | 3/4 | 3/4 | | 3/4 | 3/4 | |
| 8 | 2,064.69 | 8 | 1,706.96 | 8 | 1,346.27 | 8 | 989.91 | 8 | 636.60 | 8 | 278.84 | 8 | | 8 | 8 | | 8 | 8 | |
| 1/4 | 2,057.25 | 1/4 | 1,699.44 | 1/4 | 1,338.75 | 1/4 | 982.54 | 1/4 | 629.26 | 1/4 | 271.33 | 1/4 | | 1/4 | 1/4 | | 1/4 | 1/4 | |
| 1/2 | 2,049.80 | 1/2 | 1,691.93 | 1/2 | 1,331.24 | 1/2 | 975.17 | 1/2 | 621.91 | 1/2 | 263.81 | 1/2 | | 1/2 | 1/2 | | 1/2 | 1/2 | |
| 3/4 | 2,042.35 | 3/4 | 1,684.42 | 3/4 | 1,323.72 | 3/4 | 967.80 | 3/4 | 614.56 | 3/4 | 256.30 | 3/4 | | 3/4 | 3/4 | | 3/4 | 3/4 | |
| 9 | 2,034.90 | 9 | 1,676.90 | 9 | 1,316.21 | 9 | 960.43 | 9 | 607.22 | 9 | 248.78 | 9 | | 9 | 9 | | 9 | 9 | |
| 1/4 | 2,027.45 | 1/4 | 1,669.39 | 1/4 | 1,308.70 | 1/4 | 953.06 | 1/4 | 599.87 | 1/4 | 241.26 | 1/4 | | 1/4 | 1/4 | | 1/4 | 1/4 | |
| 1/2 | 2,020.00 | 1/2 | 1,661.87 | 1/2 | 1,301.18 | 1/2 | 945.69 | 1/2 | 592.53 | 1/2 | 233.75 | 1/2 | | 1/2 | 1/2 | | 1/2 | 1/2 | |
| 3/4 | 2,012.55 | 3/4 | 1,654.36 | 3/4 | 1,293.67 | 3/4 | 938.32 | 3/4 | 585.18 | 3/4 | 226.23 | 3/4 | | 3/4 | 3/4 | | 3/4 | 3/4 | |
| 10 | 2,005.10 | 10 | 1,646.84 | 10 | 1,286.15 | 10 | 930.95 | 10 | 577.83 | 10 | 218.72 | 10 | | 10 | 10 | | 10 | 10 | |
| 1/4 | 1,997.66 | 1/4 | 1,639.33 | 1/4 | 1,278.64 | 1/4 | 923.57 | 1/4 | 570.49 | 1/4 | 211.20 | 1/4 | | 1/4 | 1/4 | | 1/4 | 1/4 | |
| 1/2 | 1,990.21 | 1/2 | 1,631.82 | 1/2 | 1,271.12 | 1/2 | 916.20 | 1/2 | 563.13 | 1/2 | 203.68 | 1/2 | | 1/2 | 1/2 | | 1/2 | 1/2 | |
| 3/4 | 1,982.76 | 3/4 | 1,624.30 | 3/4 | 1,263.61 | 3/4 | 908.83 | 3/4 | 555.77 | 3/4 | 196.15 | 3/4 | | 3/4 | 3/4 | | 3/4 | 3/4 | |
| 11 | 1,975.31 | 11 | 1,616.79 | 11 | 1,256.10 | 11 | 901.46 | 11 | 548.41 | 11 | 188.62 | 11 | | 11 | 11 | | 11 | 11 | |
| 1/4 | 1,967.86 | 1/4 | 1,609.27 | 1/4 | 1,248.58 | 1/4 | 894.09 | 1/4 | 541.05 | 1/4 | 181.09 | 1/4 | | 1/4 | 1/4 | | 1/4 | 1/4 | |
| 1/2 | 1,960.41 | 1/2 | 1,601.76 | 1/2 | 1,241.07 | 1/2 | 886.72 | 1/2 | 533.67 | 1/2 | 173.57 | 1/2 | | 1/2 | 1/2 | | 1/2 | 1/2 | |
| 3/4 | 1,952.96 | 3/4 | 1,594.24 | 3/4 | 1,233.55 | 3/4 | 879.35 | 3/4 | 526.30 | 3/4 | 166.04 | 3/4 | | 3/4 | 3/4 | | 3/4 | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/08/2008 CL - SW
CALCULATED: 05/09/2008 CL
VERIFIED: 09/21/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2023

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



BARGE "KIRBY 28059"

FUEL TANK

INNAGE

CAPACITIES GIVEN IN WHOLE GALLONS

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|
| 0 | 0 | 0 | 110 | 0 | 282 | 0 | 454 | 0 | 564 | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 1 | 1/4 | 114 | 1/4 | 286 | 1/4 | 457 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1 | 1/2 | 117 | 1/2 | 289 | 1/2 | 460 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2 | 3/4 | 120 | 3/4 | 293 | 3/4 | 463 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 3 | 1 | 123 | 1 | 297 | 1 | 467 | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 4 | 1/4 | 127 | 1/4 | 301 | 1/4 | 470 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 5 | 1/2 | 130 | 1/2 | 304 | 1/2 | 473 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 7 | 3/4 | 133 | 3/4 | 308 | 3/4 | 476 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 8 | 2 | 137 | 2 | 312 | 2 | 479 | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 10 | 1/4 | 140 | 1/4 | 316 | 1/4 | 482 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 11 | 1/2 | 144 | 1/2 | 319 | 1/2 | 485 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 13 | 3/4 | 147 | 3/4 | 323 | 3/4 | 488 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 15 | 3 | 151 | 3 | 327 | 3 | 491 | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 17 | 1/4 | 154 | 1/4 | 330 | 1/4 | 494 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 19 | 1/2 | 158 | 1/2 | 334 | 1/2 | 497 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 21 | 3/4 | 161 | 3/4 | 338 | 3/4 | 499 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 22 | 4 | 165 | 4 | 342 | 4 | 502 | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 25 | 1/4 | 168 | 1/4 | 345 | 1/4 | 505 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 27 | 1/2 | 172 | 1/2 | 349 | 1/2 | 508 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 29 | 3/4 | 175 | 3/4 | 353 | 3/4 | 510 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 31 | 5 | 179 | 5 | 356 | 5 | 513 | 5 | | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 34 | 1/4 | 182 | 1/4 | 360 | 1/4 | 516 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 36 | 1/2 | 186 | 1/2 | 364 | 1/2 | 518 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 38 | 3/4 | 190 | 3/4 | 367 | 3/4 | 521 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 41 | 6 | 193 | 6 | 371 | 6 | 523 | 6 | | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 43 | 1/4 | 197 | 1/4 | 374 | 1/4 | 526 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 46 | 1/2 | 200 | 1/2 | 378 | 1/2 | 528 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 48 | 3/4 | 204 | 3/4 | 382 | 3/4 | 530 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 51 | 7 | 208 | 7 | 385 | 7 | 533 | 7 | | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 54 | 1/4 | 211 | 1/4 | 389 | 1/4 | 535 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 56 | 1/2 | 215 | 1/2 | 392 | 1/2 | 537 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 59 | 3/4 | 219 | 3/4 | 396 | 3/4 | 539 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 62 | 8 | 222 | 8 | 399 | 8 | 542 | 8 | | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 65 | 1/4 | 226 | 1/4 | 403 | 1/4 | 544 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 67 | 1/2 | 230 | 1/2 | 406 | 1/2 | 545 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 70 | 3/4 | 234 | 3/4 | 410 | 3/4 | 547 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 73 | 9 | 237 | 9 | 413 | 9 | 549 | 9 | | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 76 | 1/4 | 241 | 1/4 | 417 | 1/4 | 551 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 79 | 1/2 | 245 | 1/2 | 420 | 1/2 | 553 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 82 | 3/4 | 248 | 3/4 | 424 | 3/4 | 554 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 85 | 10 | 252 | 10 | 427 | 10 | 556 | 10 | | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 88 | 1/4 | 256 | 1/4 | 431 | 1/4 | 557 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 91 | 1/2 | 260 | 1/2 | 434 | 1/2 | 559 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 94 | 3/4 | 263 | 3/4 | 437 | 3/4 | 560 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 97 | 11 | 267 | 11 | 441 | 11 | 561 | 11 | | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 101 | 1/4 | 271 | 1/4 | 444 | 1/4 | 562 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 104 | 1/2 | 275 | 1/2 | 447 | 1/2 | 563 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 107 | 3/4 | 278 | 3/4 | 450 | 3/4 | 563 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

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 INNAGE GAUGES.

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 CALCULATED: 09/21/2023 CL
 PRINTED: 09/21/2023 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 09/2023

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092

Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 28059"

SLOP TANK

INNAGE

CAPACITIES GIVEN IN WHOLE GALLONS

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|
| 0 | 0 | 0 | 1,111 | 0 | 2,222 | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 23 | 1/4 | 1,134 | 1/4 | 2,246 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 46 | 1/2 | 1,157 | 1/2 | 2,269 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 69 | 3/4 | 1,181 | 3/4 | 2,292 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 93 | 1 | 1,204 | 1 | 2,315 | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 116 | 1/4 | 1,227 | 1/4 | 2,338 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 139 | 1/2 | 1,250 | 1/2 | 2,361 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 162 | 3/4 | 1,273 | 3/4 | 2,384 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 185 | 2 | 1,296 | 2 | 2,408 | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 208 | 1/4 | 1,320 | 1/4 | 2,431 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 231 | 1/2 | 1,343 | 1/2 | 2,454 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 255 | 3/4 | 1,366 | 3/4 | 2,477 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 278 | 3 | 1,389 | 3 | 2,500 | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 301 | 1/4 | 1,412 | 1/4 | 2,523 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 324 | 1/2 | 1,435 | 1/2 | 2,546 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 347 | 3/4 | 1,458 | 3/4 | 2,570 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 370 | 4 | 1,482 | 4 | 2,593 | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 394 | 1/4 | 1,505 | 1/4 | 2,616 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 417 | 1/2 | 1,528 | 1/2 | 2,639 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 440 | 3/4 | 1,551 | 3/4 | 2,662 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 463 | 5 | 1,574 | 5 | 2,685 | 5 | | 5 | | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 486 | 1/4 | 1,597 | 1/4 | 2,709 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 509 | 1/2 | 1,620 | 1/2 | 2,732 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 532 | 3/4 | 1,644 | 3/4 | 2,755 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 556 | 6 | 1,667 | 6 | 2,778 | 6 | | 6 | | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 579 | 1/4 | 1,690 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 602 | 1/2 | 1,713 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 625 | 3/4 | 1,736 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 648 | 7 | 1,759 | 7 | | 7 | | 7 | | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 671 | 1/4 | 1,783 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 694 | 1/2 | 1,806 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 718 | 3/4 | 1,829 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 741 | 8 | 1,852 | 8 | | 8 | | 8 | | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 764 | 1/4 | 1,875 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 787 | 1/2 | 1,898 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 810 | 3/4 | 1,921 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 833 | 9 | 1,945 | 9 | | 9 | | 9 | | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 857 | 1/4 | 1,968 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 880 | 1/2 | 1,991 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 903 | 3/4 | 2,014 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 926 | 10 | 2,037 | 10 | | 10 | | 10 | | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 949 | 1/4 | 2,060 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 972 | 1/2 | 2,083 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 995 | 3/4 | 2,107 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 1,019 | 11 | 2,130 | 11 | | 11 | | 11 | | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 1,042 | 1/4 | 2,153 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,065 | 1/2 | 2,176 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,088 | 3/4 | 2,199 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

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