



BARGE "KIRBY 27733"

ULLAGE TRIM TABLE
FORMERLY "CTCO 330"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 PORT IS - 00-1/8"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 236'-09"

October 10, 2019

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
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BARGE "KIRBY 27733"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 330"

GAUGE HEIGHT 16'-09 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 | 4,916.85 | 0 | 4,588.98 | 0 | 4,239.68 | 0 | 3,874.89 | 0 | 3,509.28 | 0 | 3,143.14 | 0 | 2,776.90 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,910.01 | 1/4 | 4,581.93 | 1/4 | 4,232.19 | 1/4 | 3,867.27 | 1/4 | 3,501.65 | 1/4 | 3,135.51 | 1/4 | 2,769.26 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,903.38 | 1/2 | 4,574.85 | 1/2 | 4,224.66 | 1/2 | 3,859.65 | 1/2 | 3,494.02 | 1/2 | 3,127.88 | 1/2 | 2,761.63 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,896.75 | 3/4 | 4,567.76 | 3/4 | 4,217.13 | 3/4 | 3,852.04 | 3/4 | 3,486.39 | 3/4 | 3,120.26 | 3/4 | 2,754.00 | | |
| 1 | | 1 | | 1 | | 1 | 4,890.12 | 1 | 4,560.67 | 1 | 4,209.60 | 1 | 3,844.42 | 1 | 3,478.77 | 1 | 3,112.63 | 1 | 2,746.37 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,883.49 | 1/4 | 4,553.59 | 1/4 | 4,202.07 | 1/4 | 3,836.81 | 1/4 | 3,471.14 | 1/4 | 3,105.00 | 1/4 | 2,738.74 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,876.83 | 1/2 | 4,546.47 | 1/2 | 4,194.51 | 1/2 | 3,829.19 | 1/2 | 3,463.51 | 1/2 | 3,097.37 | 1/2 | 2,731.10 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,870.17 | 3/4 | 4,539.35 | 3/4 | 4,186.95 | 3/4 | 3,821.57 | 3/4 | 3,455.88 | 3/4 | 3,089.74 | 3/4 | 2,723.47 | | |
| 2 | | 2 | | 2 | | 2 | 4,863.51 | 2 | 4,532.23 | 2 | 4,179.39 | 2 | 3,813.96 | 2 | 3,448.26 | 2 | 3,082.12 | 2 | 2,715.84 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,856.86 | 1/4 | 4,525.11 | 1/4 | 4,171.83 | 1/4 | 3,806.34 | 1/4 | 3,440.63 | 1/4 | 3,074.49 | 1/4 | 2,708.21 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,850.16 | 1/2 | 4,517.96 | 1/2 | 4,164.23 | 1/2 | 3,798.72 | 1/2 | 3,433.00 | 1/2 | 3,066.86 | 1/2 | 2,700.58 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,843.46 | 3/4 | 4,510.81 | 3/4 | 4,156.64 | 3/4 | 3,791.11 | 3/4 | 3,425.37 | 3/4 | 3,059.23 | 3/4 | 2,692.94 | | |
| 3 | | 3 | | 3 | | 3 | 4,836.76 | 3 | 4,503.65 | 3 | 4,149.04 | 3 | 3,783.49 | 3 | 3,417.74 | 3 | 3,051.60 | 3 | 2,685.31 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,830.06 | 1/4 | 4,496.50 | 1/4 | 4,141.45 | 1/4 | 3,775.88 | 1/4 | 3,410.12 | 1/4 | 3,043.98 | 1/4 | 2,677.68 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,823.33 | 1/2 | 4,489.32 | 1/2 | 4,133.83 | 1/2 | 3,768.26 | 1/2 | 3,402.49 | 1/2 | 3,036.35 | 1/2 | 2,670.05 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,816.59 | 3/4 | 4,482.13 | 3/4 | 4,126.22 | 3/4 | 3,760.64 | 3/4 | 3,394.86 | 3/4 | 3,028.72 | 3/4 | 2,662.42 | | |
| 4 | | 4 | | 4 | | 4 | 4,809.86 | 4 | 4,474.94 | 4 | 4,118.61 | 4 | 3,753.03 | 4 | 3,387.23 | 4 | 3,021.09 | 4 | 2,654.78 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,803.12 | 1/4 | 4,467.76 | 1/4 | 4,110.99 | 1/4 | 3,745.41 | 1/4 | 3,379.60 | 1/4 | 3,013.47 | 1/4 | 2,647.15 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,796.36 | 1/2 | 4,460.54 | 1/2 | 4,103.38 | 1/2 | 3,737.79 | 1/2 | 3,371.98 | 1/2 | 3,005.84 | 1/2 | 2,639.52 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,789.59 | 3/4 | 4,453.32 | 3/4 | 4,095.76 | 3/4 | 3,730.18 | 3/4 | 3,364.35 | 3/4 | 2,998.21 | 3/4 | 2,631.89 | | |
| 5 | | 5 | | 5 | | 5 | 4,782.82 | 5 | 4,446.09 | 5 | 4,088.14 | 5 | 3,722.56 | 5 | 3,356.72 | 5 | 2,990.58 | 5 | 2,624.26 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,776.05 | 1/4 | 4,438.87 | 1/4 | 4,080.53 | 1/4 | 3,714.94 | 1/4 | 3,349.09 | 1/4 | 2,982.95 | 1/4 | 2,616.62 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,769.25 | 1/2 | 4,431.61 | 1/2 | 4,072.91 | 1/2 | 3,707.33 | 1/2 | 3,341.46 | 1/2 | 2,975.32 | 1/2 | 2,608.99 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,762.45 | 3/4 | 4,424.35 | 3/4 | 4,065.29 | 3/4 | 3,699.71 | 3/4 | 3,333.84 | 3/4 | 2,967.69 | 3/4 | 2,601.36 | | |
| 6 | | 6 | | 6 | | 6 | 4,755.65 | 6 | 4,417.09 | 6 | 4,057.68 | 6 | 3,692.10 | 6 | 3,326.21 | 6 | 2,960.06 | 6 | 2,593.73 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,083.24 | 1/4 | 4,748.84 | 1/4 | 4,409.83 | 1/4 | 4,050.06 | 1/4 | 3,684.48 | 1/4 | 3,318.58 | 1/4 | 2,952.43 | 1/4 | 2,586.10 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,076.82 | 1/2 | 4,742.01 | 1/2 | 4,402.52 | 1/2 | 4,042.45 | 1/2 | 3,676.86 | 1/2 | 3,310.95 | 1/2 | 2,944.80 | 1/2 | 2,578.46 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,070.40 | 3/4 | 4,735.17 | 3/4 | 4,395.21 | 3/4 | 4,034.83 | 3/4 | 3,669.25 | 3/4 | 3,303.33 | 3/4 | 2,937.17 | 3/4 | 2,570.83 |
| 7 | | 7 | | 7 | | 7 | 5,063.98 | 7 | 4,728.34 | 7 | 4,387.90 | 7 | 4,027.21 | 7 | 3,661.63 | 7 | 3,295.70 | 7 | 2,929.54 | 7 | 2,563.20 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,057.57 | 1/4 | 4,721.50 | 1/4 | 4,380.58 | 1/4 | 4,019.60 | 1/4 | 3,654.01 | 1/4 | 3,288.07 | 1/4 | 2,921.90 | 1/4 | 2,555.57 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,050.20 | 1/2 | 4,714.61 | 1/2 | 4,373.23 | 1/2 | 4,011.98 | 1/2 | 3,646.40 | 1/2 | 3,280.44 | 1/2 | 2,914.27 | 1/2 | 2,547.94 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,042.83 | 3/4 | 4,707.71 | 3/4 | 4,365.88 | 3/4 | 4,004.36 | 3/4 | 3,638.78 | 3/4 | 3,272.81 | 3/4 | 2,906.64 | 3/4 | 2,540.30 |
| 8 | | 8 | | 8 | | 8 | 5,035.46 | 8 | 4,700.81 | 8 | 4,358.53 | 8 | 3,996.75 | 8 | 3,631.17 | 8 | 3,265.19 | 8 | 2,899.01 | 8 | 2,532.67 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,028.09 | 1/4 | 4,693.91 | 1/4 | 4,351.18 | 1/4 | 3,989.13 | 1/4 | 3,623.55 | 1/4 | 3,257.56 | 1/4 | 2,891.38 | 1/4 | 2,525.04 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,020.53 | 1/2 | 4,686.97 | 1/2 | 4,343.79 | 1/2 | 3,981.52 | 1/2 | 3,615.93 | 1/2 | 3,249.93 | 1/2 | 2,883.74 | 1/2 | 2,517.41 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,012.97 | 3/4 | 4,680.02 | 3/4 | 4,336.41 | 3/4 | 3,973.90 | 3/4 | 3,608.32 | 3/4 | 3,242.30 | 3/4 | 2,876.11 | 3/4 | 2,509.78 |
| 9 | | 9 | | 9 | | 9 | 5,005.41 | 9 | 4,673.08 | 9 | 4,329.02 | 9 | 3,966.28 | 9 | 3,600.70 | 9 | 3,234.67 | 9 | 2,868.48 | 9 | 2,502.14 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,997.85 | 1/4 | 4,666.14 | 1/4 | 4,321.64 | 1/4 | 3,958.67 | 1/4 | 3,593.08 | 1/4 | 3,227.05 | 1/4 | 2,860.85 | 1/4 | 2,494.51 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,990.29 | 1/2 | 4,659.16 | 1/2 | 4,314.22 | 1/2 | 3,951.05 | 1/2 | 3,585.47 | 1/2 | 3,219.42 | 1/2 | 2,853.22 | 1/2 | 2,486.88 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,982.73 | 3/4 | 4,652.18 | 3/4 | 4,306.80 | 3/4 | 3,943.43 | 3/4 | 3,577.85 | 3/4 | 3,211.79 | 3/4 | 2,845.58 | 3/4 | 2,479.25 |
| 10 | | 10 | | 10 | | 10 | 4,975.17 | 10 | 4,645.19 | 10 | 4,299.38 | 10 | 3,935.82 | 10 | 3,570.24 | 10 | 3,204.16 | 10 | 2,837.95 | 10 | 2,471.62 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,967.61 | 1/4 | 4,638.21 | 1/4 | 4,291.96 | 1/4 | 3,928.20 | 1/4 | 3,562.62 | 1/4 | 3,196.53 | 1/4 | 2,830.32 | 1/4 | 2,463.98 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,960.05 | 1/2 | 4,631.19 | 1/2 | 4,284.51 | 1/2 | 3,920.58 | 1/2 | 3,555.00 | 1/2 | 3,188.91 | 1/2 | 2,822.69 | 1/2 | 2,456.35 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,952.50 | 3/4 | 4,624.17 | 3/4 | 4,277.06 | 3/4 | 3,912.97 | 3/4 | 3,547.39 | 3/4 | 3,181.28 | 3/4 | 2,815.06 | 3/4 | 2,448.72 |
| 11 | | 11 | | 11 | | 11 | 4,944.94 | 11 | 4,617.16 | 11 | 4,269.61 | 11 | 3,905.35 | 11 | 3,539.77 | 11 | 3,173.65 | 11 | 2,807.42 | 11 | 2,441.09 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,937.38 | 1/4 | 4,610.14 | 1/4 | 4,262.16 | 1/4 | 3,897.74 | 1/4 | 3,532.15 | 1/4 | 3,166.02 | 1/4 | 2,799.79 | 1/4 | 2,433.46 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,930.53 | 1/2 | 4,603.09 | 1/2 | 4,254.66 | 1/2 | 3,890.12 | 1/2 | 3,524.53 | 1/2 | 3,158.40 | 1/2 | 2,792.16 | 1/2 | 2,425.82 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,923.69 | 3/4 | 4,596.03 | 3/4 | 4,247.17 | 3/4 | 3,882.50 | 3/4 | 3,516.90 | 3/4 | 3,150.77 | 3/4 | 2,784.53 | 3/4 | 2,418.19 |

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "KIRBY 27733"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 330"

GAUGE HEIGHT 16'-09 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 | 2,410.56 | 0 | 2,044.22 | 0 | 1,684.03 | 0 | 1,317.62 | 0 | 952.32 | 0 | 587.04 | 0 | 240.77 | 0 | | 0 | | 0 | |
| 1/4 | 2,402.93 | 1/4 | 2,036.59 | 1/4 | 1,676.39 | 1/4 | 1,309.99 | 1/4 | 944.73 | 1/4 | 579.40 | 1/4 | 234.05 | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 2,395.30 | 1/2 | 2,029.50 | 1/2 | 1,668.76 | 1/2 | 1,302.36 | 1/2 | 937.15 | 1/2 | 571.78 | 1/2 | 227.41 | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 2,387.66 | 3/4 | 2,022.41 | 3/4 | 1,661.13 | 3/4 | 1,294.72 | 3/4 | 929.57 | 3/4 | 564.15 | 3/4 | 220.77 | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 1 | 2,380.03 | 1 | 2,015.32 | 1 | 1,653.49 | 1 | 1,287.09 | 1 | 921.99 | 1 | 556.53 | 1 | 214.14 | 1 | 1 | 1 | | 1 | 1 |
| 1/4 | 2,372.40 | 1/4 | 2,008.23 | 1/4 | 1,645.86 | 1/4 | 1,279.46 | 1/4 | 914.40 | 1/4 | 548.90 | 1/4 | 207.50 | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 2,364.77 | 1/2 | 2,001.32 | 1/2 | 1,638.23 | 1/2 | 1,271.82 | 1/2 | 906.82 | 1/2 | 541.32 | 1/2 | 200.95 | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 2,357.14 | 3/4 | 1,994.41 | 3/4 | 1,630.59 | 3/4 | 1,264.19 | 3/4 | 899.24 | 3/4 | 533.74 | 3/4 | 194.40 | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 2 | 2,349.50 | 2 | 1,987.49 | 2 | 1,622.96 | 2 | 1,256.56 | 2 | 891.66 | 2 | 526.16 | 2 | 187.85 | 2 | 2 | 2 | | 2 | 2 |
| 1/4 | 2,341.87 | 1/4 | 1,980.58 | 1/4 | 1,615.33 | 1/4 | 1,248.92 | 1/4 | 884.07 | 1/4 | 518.58 | 1/4 | 181.30 | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 2,334.24 | 1/2 | 1,973.16 | 1/2 | 1,607.69 | 1/2 | 1,241.29 | 1/2 | 876.49 | 1/2 | 511.07 | 1/2 | 174.83 | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 2,326.61 | 3/4 | 1,965.73 | 3/4 | 1,600.06 | 3/4 | 1,233.66 | 3/4 | 868.91 | 3/4 | 503.57 | 3/4 | 168.37 | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 3 | 2,318.98 | 3 | 1,958.31 | 3 | 1,592.43 | 3 | 1,226.02 | 3 | 861.33 | 3 | 496.07 | 3 | 161.91 | 3 | 3 | 3 | | 3 | 3 |
| 1/4 | 2,311.34 | 1/4 | 1,950.88 | 1/4 | 1,584.79 | 1/4 | 1,218.39 | 1/4 | 853.74 | 1/4 | 488.56 | 1/4 | 155.44 | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 2,303.71 | 1/2 | 1,943.28 | 1/2 | 1,577.16 | 1/2 | 1,210.76 | 1/2 | 846.16 | 1/2 | 481.15 | 1/2 | 149.07 | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 2,296.08 | 3/4 | 1,935.68 | 3/4 | 1,569.53 | 3/4 | 1,203.12 | 3/4 | 838.58 | 3/4 | 473.73 | 3/4 | 142.70 | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 4 | 2,288.45 | 4 | 1,928.09 | 4 | 1,561.89 | 4 | 1,195.49 | 4 | 831.00 | 4 | 466.31 | 4 | 136.33 | 4 | 4 | 4 | | 4 | 4 |
| 1/4 | 2,280.82 | 1/4 | 1,920.49 | 1/4 | 1,554.26 | 1/4 | 1,187.86 | 1/4 | 823.41 | 1/4 | 458.90 | 1/4 | 129.96 | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 2,273.18 | 1/2 | 1,912.89 | 1/2 | 1,546.63 | 1/2 | 1,180.22 | 1/2 | 815.83 | 1/2 | 451.57 | 1/2 | 123.68 | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 2,265.55 | 3/4 | 1,905.29 | 3/4 | 1,538.99 | 3/4 | 1,172.59 | 3/4 | 808.25 | 3/4 | 444.24 | 3/4 | 117.40 | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 5 | 2,257.92 | 5 | 1,897.69 | 5 | 1,531.36 | 5 | 1,164.96 | 5 | 800.67 | 5 | 436.91 | 5 | 111.12 | 5 | 5 | 5 | | 5 | 5 |
| 1/4 | 2,250.29 | 1/4 | 1,890.10 | 1/4 | 1,523.73 | 1/4 | 1,157.32 | 1/4 | 793.08 | 1/4 | 429.58 | 1/4 | 104.84 | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 2,242.66 | 1/2 | 1,882.47 | 1/2 | 1,516.09 | 1/2 | 1,149.71 | 1/2 | 785.46 | 1/2 | 422.34 | 1/2 | 98.66 | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 2,235.02 | 3/4 | 1,874.85 | 3/4 | 1,508.46 | 3/4 | 1,142.10 | 3/4 | 777.84 | 3/4 | 415.09 | 3/4 | 92.47 | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 6 | 2,227.39 | 6 | 1,867.22 | 6 | 1,500.83 | 6 | 1,134.49 | 6 | 770.22 | 6 | 407.85 | 6 | 86.29 | 6 | 6 | 6 | | 6 | 6 |
| 1/4 | 2,219.76 | 1/4 | 1,859.60 | 1/4 | 1,493.19 | 1/4 | 1,126.88 | 1/4 | 762.60 | 1/4 | 400.61 | 1/4 | 80.11 | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 2,212.13 | 1/2 | 1,851.96 | 1/2 | 1,485.56 | 1/2 | 1,119.27 | 1/2 | 754.97 | 1/2 | 393.45 | 1/2 | 74.03 | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 2,204.50 | 3/4 | 1,844.33 | 3/4 | 1,477.93 | 3/4 | 1,111.67 | 3/4 | 747.33 | 3/4 | 386.29 | 3/4 | 67.96 | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 7 | 2,196.86 | 7 | 1,836.70 | 7 | 1,470.29 | 7 | 1,104.07 | 7 | 739.70 | 7 | 379.14 | 7 | 61.88 | 7 | 7 | 7 | | 7 | 7 |
| 1/4 | 2,189.23 | 1/4 | 1,829.06 | 1/4 | 1,462.66 | 1/4 | 1,096.46 | 1/4 | 732.07 | 1/4 | 371.98 | 1/4 | 55.81 | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 2,181.60 | 1/2 | 1,821.43 | 1/2 | 1,455.03 | 1/2 | 1,088.87 | 1/2 | 724.44 | 1/2 | 364.91 | 1/2 | 50.51 | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 2,173.97 | 3/4 | 1,813.80 | 3/4 | 1,447.39 | 3/4 | 1,081.28 | 3/4 | 716.80 | 3/4 | 357.84 | 3/4 | 45.22 | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 8 | 2,166.34 | 8 | 1,806.16 | 8 | 1,439.76 | 8 | 1,073.68 | 8 | 709.17 | 8 | 350.77 | 8 | 39.93 | 8 | 8 | 8 | | 8 | 8 |
| 1/4 | 2,158.70 | 1/4 | 1,798.53 | 1/4 | 1,432.13 | 1/4 | 1,066.09 | 1/4 | 701.54 | 1/4 | 343.70 | 1/4 | 34.63 | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 2,151.07 | 1/2 | 1,790.90 | 1/2 | 1,424.49 | 1/2 | 1,058.50 | 1/2 | 693.90 | 1/2 | 336.72 | 1/2 | 30.75 | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 2,143.44 | 3/4 | 1,783.26 | 3/4 | 1,416.86 | 3/4 | 1,050.91 | 3/4 | 686.27 | 3/4 | 329.73 | 3/4 | 26.87 | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 9 | 2,135.81 | 9 | 1,775.63 | 9 | 1,409.23 | 9 | 1,043.32 | 9 | 678.64 | 9 | 322.75 | 9 | 22.98 | 9 | 9 | 9 | | 9 | 9 |
| 1/4 | 2,128.18 | 1/4 | 1,768.00 | 1/4 | 1,401.59 | 1/4 | 1,035.73 | 1/4 | 671.00 | 1/4 | 315.77 | 1/4 | 19.11 | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 2,120.54 | 1/2 | 1,760.36 | 1/2 | 1,393.96 | 1/2 | 1,028.15 | 1/2 | 663.37 | 1/2 | 308.87 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 2,112.91 | 3/4 | 1,752.73 | 3/4 | 1,386.33 | 3/4 | 1,020.56 | 3/4 | 655.74 | 3/4 | 301.97 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 10 | 2,105.28 | 10 | 1,745.09 | 10 | 1,378.69 | 10 | 1,012.98 | 10 | 648.10 | 10 | 295.08 | 10 | | 10 | 10 | 10 | | 10 | 10 |
| 1/4 | 2,097.65 | 1/4 | 1,737.46 | 1/4 | 1,371.06 | 1/4 | 1,005.39 | 1/4 | 640.47 | 1/4 | 288.18 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 2,090.02 | 1/2 | 1,729.83 | 1/2 | 1,363.42 | 1/2 | 997.81 | 1/2 | 632.84 | 1/2 | 281.37 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 2,082.38 | 3/4 | 1,722.19 | 3/4 | 1,355.79 | 3/4 | 990.23 | 3/4 | 625.20 | 3/4 | 274.56 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |
| 11 | 2,074.75 | 11 | 1,714.56 | 11 | 1,348.16 | 11 | 982.65 | 11 | 617.57 | 11 | 267.75 | 11 | | 11 | 11 | 11 | | 11 | 11 |
| 1/4 | 2,067.12 | 1/4 | 1,706.93 | 1/4 | 1,340.52 | 1/4 | 975.06 | 1/4 | 609.94 | 1/4 | 260.94 | 1/4 | | 1/4 | 1/4 | 1/4 | | 1/4 | 1/4 |
| 1/2 | 2,059.49 | 1/2 | 1,699.29 | 1/2 | 1,332.89 | 1/2 | 967.48 | 1/2 | 602.30 | 1/2 | 254.22 | 1/2 | | 1/2 | 1/2 | 1/2 | | 1/2 | 1/2 |
| 3/4 | 2,051.86 | 3/4 | 1,691.66 | 3/4 | 1,325.26 | 3/4 | 959.90 | 3/4 | 594.67 | 3/4 | 247.49 | 3/4 | | 3/4 | 3/4 | 3/4 | | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/01/2014 PMA
RECALCULATED: 10/10/2019
NAME CHANGE: 10/10/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

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



BARGE "KIRBY 27733"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 330"

GAUGE HEIGHT 16'-09 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 |
| | | | | | | | 4,920.06 | | 4,592.40 | | 4,243.54 | | 3,878.88 | | 3,513.31 | | 3,147.73 | | 2,782.05 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,913.22 | 1/4 | 4,585.35 | 1/4 | 4,236.05 | 1/4 | 3,871.27 | 1/4 | 3,505.69 | 1/4 | 3,140.11 | 1/4 | 2,774.43 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,906.37 | 1/2 | 4,578.30 | 1/2 | 4,228.56 | 1/2 | 3,863.65 | 1/2 | 3,498.07 | 1/2 | 3,132.50 | 1/2 | 2,766.81 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,899.74 | 3/4 | 4,571.21 | 3/4 | 4,221.03 | 3/4 | 3,856.03 | 3/4 | 3,490.46 | 3/4 | 3,124.88 | 3/4 | 2,759.19 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4,893.12 | 1 | 4,564.13 | 1 | 4,213.50 | 1 | 3,848.42 | 1 | 3,482.84 | 1 | 3,117.26 | 1 | 2,751.57 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,886.49 | 1/4 | 4,557.04 | 1/4 | 4,205.97 | 1/4 | 3,840.80 | 1/4 | 3,475.22 | 1/4 | 3,109.65 | 1/4 | 2,743.95 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,879.86 | 1/2 | 4,549.96 | 1/2 | 4,198.45 | 1/2 | 3,833.19 | 1/2 | 3,467.61 | 1/2 | 3,102.03 | 1/2 | 2,736.33 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,873.20 | 3/4 | 4,542.84 | 3/4 | 4,190.88 | 3/4 | 3,825.57 | 3/4 | 3,459.99 | 3/4 | 3,094.41 | 3/4 | 2,728.71 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4,866.54 | 2 | 4,535.72 | 2 | 4,183.32 | 2 | 3,817.95 | 2 | 3,452.38 | 2 | 3,086.80 | 2 | 2,721.09 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,859.88 | 1/4 | 4,528.60 | 1/4 | 4,175.76 | 1/4 | 3,810.34 | 1/4 | 3,444.76 | 1/4 | 3,079.18 | 1/4 | 2,713.47 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,853.22 | 1/2 | 4,521.48 | 1/2 | 4,168.20 | 1/2 | 3,802.72 | 1/2 | 3,437.14 | 1/2 | 3,071.57 | 1/2 | 2,705.85 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,846.52 | 3/4 | 4,514.33 | 3/4 | 4,160.60 | 3/4 | 3,795.10 | 3/4 | 3,429.53 | 3/4 | 3,063.95 | 3/4 | 2,698.23 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4,839.82 | 3 | 4,507.17 | 3 | 4,153.01 | 3 | 3,787.49 | 3 | 3,421.91 | 3 | 3,056.33 | 3 | 2,690.61 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,833.12 | 1/4 | 4,500.02 | 1/4 | 4,145.41 | 1/4 | 3,779.87 | 1/4 | 3,414.29 | 1/4 | 3,048.72 | 1/4 | 2,682.99 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,826.43 | 1/2 | 4,492.87 | 1/2 | 4,137.82 | 1/2 | 3,772.26 | 1/2 | 3,406.68 | 1/2 | 3,041.10 | 1/2 | 2,675.37 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,819.69 | 3/4 | 4,485.68 | 3/4 | 4,130.21 | 3/4 | 3,764.64 | 3/4 | 3,399.06 | 3/4 | 3,033.48 | 3/4 | 2,667.75 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4,812.96 | 4 | 4,478.50 | 4 | 4,122.59 | 4 | 3,757.02 | 4 | 3,391.45 | 4 | 3,025.87 | 4 | 2,660.13 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,806.22 | 1/4 | 4,471.31 | 1/4 | 4,114.98 | 1/4 | 3,749.41 | 1/4 | 3,383.83 | 1/4 | 3,018.25 | 1/4 | 2,652.51 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,799.49 | 1/2 | 4,464.12 | 1/2 | 4,107.37 | 1/2 | 3,741.79 | 1/2 | 3,376.21 | 1/2 | 3,010.64 | 1/2 | 2,644.89 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,792.72 | 3/4 | 4,456.90 | 3/4 | 4,099.75 | 3/4 | 3,734.18 | 3/4 | 3,368.60 | 3/4 | 3,003.02 | 3/4 | 2,637.27 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4,785.95 | 5 | 4,449.68 | 5 | 4,092.14 | 5 | 3,726.56 | 5 | 3,360.98 | 5 | 2,995.40 | 5 | 2,629.65 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,779.19 | 1/4 | 4,442.46 | 1/4 | 4,084.52 | 1/4 | 3,718.94 | 1/4 | 3,353.37 | 1/4 | 2,987.79 | 1/4 | 2,622.03 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,772.42 | 1/2 | 4,435.24 | 1/2 | 4,076.90 | 1/2 | 3,711.33 | 1/2 | 3,345.75 | 1/2 | 2,980.17 | 1/2 | 2,614.41 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,765.62 | 3/4 | 4,427.98 | 3/4 | 4,069.29 | 3/4 | 3,703.71 | 3/4 | 3,338.13 | 3/4 | 2,972.55 | 3/4 | 2,606.79 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4,758.81 | 6 | 4,420.72 | 6 | 4,061.67 | 6 | 3,696.09 | 6 | 3,330.52 | 6 | 2,964.93 | 6 | 2,599.17 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,752.01 | 1/4 | 4,413.46 | 1/4 | 4,054.06 | 1/4 | 3,688.48 | 1/4 | 3,322.90 | 1/4 | 2,957.31 | 1/4 | 2,591.55 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,079.59 | 1/2 | 4,745.21 | 1/2 | 4,406.20 | 1/2 | 4,046.44 | 1/2 | 3,680.86 | 1/2 | 3,315.28 | 1/2 | 2,949.69 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,073.17 | 3/4 | 4,738.38 | 3/4 | 4,398.89 | 3/4 | 4,038.82 | 3/4 | 3,673.25 | 3/4 | 3,307.67 | 3/4 | 2,942.07 |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4,731.54 | 7 | 4,391.58 | 7 | 4,031.21 | 7 | 3,665.63 | 7 | 3,300.05 | 7 | 2,934.45 | 7 | 2,568.68 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,066.34 | 1/4 | 4,724.71 | 1/4 | 4,384.27 | 1/4 | 4,023.59 | 1/4 | 3,658.01 | 1/4 | 3,292.44 | 1/4 | 2,926.83 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,053.93 | 1/2 | 4,717.87 | 1/2 | 4,376.95 | 1/2 | 4,015.97 | 1/2 | 3,650.40 | 1/2 | 3,284.82 | 1/2 | 2,919.21 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,046.56 | 3/4 | 4,710.97 | 3/4 | 4,369.60 | 3/4 | 4,008.36 | 3/4 | 3,642.78 | 3/4 | 3,277.20 | 3/4 | 2,911.59 |
| 8 | 8 | 8 | 8 | 8 | 8 | 8 | 4,704.07 | 8 | 4,362.25 | 8 | 4,000.74 | 8 | 3,635.16 | 8 | 3,269.59 | 8 | 2,903.97 | 8 | 2,538.20 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,031.82 | 1/4 | 4,697.17 | 1/4 | 4,354.90 | 1/4 | 3,993.13 | 1/4 | 3,627.55 | 1/4 | 3,261.97 | 1/4 | 2,896.35 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,024.45 | 1/2 | 4,690.28 | 1/2 | 4,347.55 | 1/2 | 3,985.51 | 1/2 | 3,619.93 | 1/2 | 3,254.35 | 1/2 | 2,888.73 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,016.89 | 3/4 | 4,683.33 | 3/4 | 4,340.16 | 3/4 | 3,977.89 | 3/4 | 3,612.32 | 3/4 | 3,246.74 | 3/4 | 2,881.11 |
| 9 | 9 | 9 | 9 | 9 | 9 | 9 | 4,676.39 | 9 | 4,332.78 | 9 | 3,970.28 | 9 | 3,604.70 | 9 | 3,239.12 | 9 | 2,873.49 | 9 | 2,507.72 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,009.33 | 1/4 | 4,669.45 | 1/4 | 4,325.39 | 1/4 | 3,962.66 | 1/4 | 3,597.08 | 1/4 | 3,231.51 | 1/4 | 2,865.87 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,994.21 | 1/2 | 4,662.51 | 1/2 | 4,318.01 | 1/2 | 3,955.04 | 1/2 | 3,589.47 | 1/2 | 3,223.89 | 1/2 | 2,858.25 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,986.65 | 3/4 | 4,655.52 | 3/4 | 4,310.59 | 3/4 | 3,947.43 | 3/4 | 3,581.85 | 3/4 | 3,216.27 | 3/4 | 2,850.63 |
| 10 | 10 | 10 | 10 | 10 | 10 | 10 | 4,979.10 | 10 | 4,648.54 | 10 | 4,303.17 | 10 | 3,939.81 | 10 | 3,574.23 | 10 | 3,208.66 | 10 | 2,843.01 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,971.54 | 1/4 | 4,641.56 | 1/4 | 4,295.75 | 1/4 | 3,932.20 | 1/4 | 3,566.62 | 1/4 | 3,201.04 | 1/4 | 2,835.39 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,963.98 | 1/2 | 4,634.58 | 1/2 | 4,288.34 | 1/2 | 3,924.58 | 1/2 | 3,559.00 | 1/2 | 3,193.42 | 1/2 | 2,827.77 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,956.42 | 3/4 | 4,627.56 | 3/4 | 4,280.88 | 3/4 | 3,916.96 | 3/4 | 3,551.39 | 3/4 | 3,185.81 | 3/4 | 2,820.15 |
| 11 | 11 | 11 | 11 | 11 | 11 | 11 | 4,948.86 | 11 | 4,620.54 | 11 | 4,273.43 | 11 | 3,909.35 | 11 | 3,543.77 | 11 | 3,178.19 | 11 | 2,812.53 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,941.30 | 1/4 | 4,613.52 | 1/4 | 4,265.98 | 1/4 | 3,901.73 | 1/4 | 3,536.15 | 1/4 | 3,170.58 | 1/4 | 2,804.91 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,933.74 | 1/2 | 4,606.50 | 1/2 | 4,258.53 | 1/2 | 3,894.12 | 1/2 | 3,528.54 | 1/2 | 3,162.96 | 1/2 | 2,797.29 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,926.90 | 3/4 | 4,599.45 | 3/4 | 4,251.03 | 3/4 | 3,886.50 | 3/4 | 3,520.92 | 3/4 | 3,155.34 | 3/4 | 2,789.67 |

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 27733"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 330"

GAUGE HEIGHT 16'-09 1/2"

| 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | | 16 FT. | | 17 FT. | | 18 FT. | | 19 FT. | |
|--------|----------|--------|----------|--------|----------|--------|----------|--------|--------|--------|--------|--------|--------|--------|-----|--------|-----|--------|-----|
| 0 | 2,416.28 | 0 | 2,050.51 | 0 | 1,690.88 | 0 | 1,325.04 | 0 | 959.38 | 0 | 593.86 | 0 | 247.30 | 0 | | 0 | | 0 | |
| 1/4 | 2,408.66 | 1/4 | 2,042.89 | 1/4 | 1,683.26 | 1/4 | 1,317.42 | 1/4 | 951.77 | 1/4 | 586.24 | 1/4 | 240.59 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,401.04 | 1/2 | 2,035.27 | 1/2 | 1,675.64 | 1/2 | 1,309.80 | 1/2 | 944.16 | 1/2 | 578.62 | 1/2 | 233.88 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,393.42 | 3/4 | 2,028.19 | 3/4 | 1,668.02 | 3/4 | 1,302.18 | 3/4 | 936.56 | 3/4 | 571.01 | 3/4 | 227.26 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 1 | 2,385.80 | 1 | 2,021.11 | 1 | 1,660.40 | 1 | 1,294.56 | 1 | 928.95 | 1 | 563.41 | 1 | 220.63 | 1 | 1 | | 1 | | 1 |
| 1/4 | 2,378.18 | 1/4 | 2,014.03 | 1/4 | 1,652.78 | 1/4 | 1,286.93 | 1/4 | 921.34 | 1/4 | 555.80 | 1/4 | 214.00 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,370.56 | 1/2 | 2,006.95 | 1/2 | 1,645.15 | 1/2 | 1,279.31 | 1/2 | 913.73 | 1/2 | 548.19 | 1/2 | 207.38 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,362.94 | 3/4 | 2,000.05 | 3/4 | 1,637.53 | 3/4 | 1,271.69 | 3/4 | 906.13 | 3/4 | 540.63 | 3/4 | 200.84 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 2 | 2,355.32 | 2 | 1,993.15 | 2 | 1,629.91 | 2 | 1,264.07 | 2 | 898.52 | 2 | 533.07 | 2 | 194.30 | 2 | 2 | | 2 | | 2 |
| 1/4 | 2,347.70 | 1/4 | 1,986.25 | 1/4 | 1,622.29 | 1/4 | 1,256.45 | 1/4 | 890.91 | 1/4 | 525.50 | 1/4 | 187.76 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,340.08 | 1/2 | 1,979.35 | 1/2 | 1,614.67 | 1/2 | 1,248.83 | 1/2 | 883.30 | 1/2 | 517.94 | 1/2 | 181.23 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,332.46 | 3/4 | 1,971.94 | 3/4 | 1,607.05 | 3/4 | 1,241.20 | 3/4 | 875.69 | 3/4 | 510.45 | 3/4 | 174.77 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 3 | 2,324.84 | 3 | 1,964.53 | 3 | 1,599.42 | 3 | 1,233.58 | 3 | 868.09 | 3 | 502.96 | 3 | 168.32 | 3 | 3 | | 3 | | 3 |
| 1/4 | 2,317.22 | 1/4 | 1,957.11 | 1/4 | 1,591.80 | 1/4 | 1,225.96 | 1/4 | 860.48 | 1/4 | 495.47 | 1/4 | 161.87 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,309.60 | 1/2 | 1,949.70 | 1/2 | 1,584.18 | 1/2 | 1,218.34 | 1/2 | 852.87 | 1/2 | 487.98 | 1/2 | 155.42 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,301.98 | 3/4 | 1,942.11 | 3/4 | 1,576.56 | 3/4 | 1,210.72 | 3/4 | 845.26 | 3/4 | 480.58 | 3/4 | 149.05 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 4 | 2,294.36 | 4 | 1,934.52 | 4 | 1,568.94 | 4 | 1,203.10 | 4 | 837.65 | 4 | 473.17 | 4 | 142.69 | 4 | 4 | | 4 | | 4 |
| 1/4 | 2,286.74 | 1/4 | 1,926.94 | 1/4 | 1,561.32 | 1/4 | 1,195.47 | 1/4 | 830.05 | 1/4 | 465.77 | 1/4 | 136.32 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,279.12 | 1/2 | 1,919.35 | 1/2 | 1,553.69 | 1/2 | 1,187.85 | 1/2 | 822.44 | 1/2 | 458.36 | 1/2 | 129.96 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,271.50 | 3/4 | 1,911.77 | 3/4 | 1,546.07 | 3/4 | 1,180.23 | 3/4 | 814.83 | 3/4 | 451.04 | 3/4 | 123.68 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 5 | 2,263.88 | 5 | 1,904.18 | 5 | 1,538.45 | 5 | 1,172.61 | 5 | 807.22 | 5 | 443.73 | 5 | 117.40 | 5 | 5 | | 5 | | 5 |
| 1/4 | 2,256.26 | 1/4 | 1,896.59 | 1/4 | 1,530.83 | 1/4 | 1,164.99 | 1/4 | 799.62 | 1/4 | 436.41 | 1/4 | 111.12 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,248.64 | 1/2 | 1,889.01 | 1/2 | 1,523.21 | 1/2 | 1,157.37 | 1/2 | 792.01 | 1/2 | 429.09 | 1/2 | 104.85 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,241.02 | 3/4 | 1,881.40 | 3/4 | 1,515.59 | 3/4 | 1,149.74 | 3/4 | 784.39 | 3/4 | 421.86 | 3/4 | 98.66 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 6 | 2,233.40 | 6 | 1,873.78 | 6 | 1,507.96 | 6 | 1,142.12 | 6 | 776.77 | 6 | 414.63 | 6 | 92.48 | 6 | 6 | | 6 | | 6 |
| 1/4 | 2,225.78 | 1/4 | 1,866.17 | 1/4 | 1,500.34 | 1/4 | 1,134.50 | 1/4 | 769.15 | 1/4 | 407.39 | 1/4 | 86.30 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,218.16 | 1/2 | 1,858.56 | 1/2 | 1,492.72 | 1/2 | 1,126.88 | 1/2 | 761.54 | 1/2 | 400.16 | 1/2 | 80.11 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,210.54 | 3/4 | 1,850.94 | 3/4 | 1,485.10 | 3/4 | 1,119.26 | 3/4 | 753.91 | 3/4 | 393.02 | 3/4 | 74.04 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 7 | 2,202.91 | 7 | 1,843.32 | 7 | 1,477.48 | 7 | 1,111.64 | 7 | 746.29 | 7 | 385.87 | 7 | 67.96 | 7 | 7 | | 7 | | 7 |
| 1/4 | 2,195.29 | 1/4 | 1,835.70 | 1/4 | 1,469.85 | 1/4 | 1,104.01 | 1/4 | 738.67 | 1/4 | 378.73 | 1/4 | 61.89 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,187.67 | 1/2 | 1,828.07 | 1/2 | 1,462.23 | 1/2 | 1,096.39 | 1/2 | 731.05 | 1/2 | 371.58 | 1/2 | 55.81 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,180.05 | 3/4 | 1,820.45 | 3/4 | 1,454.61 | 3/4 | 1,088.77 | 3/4 | 723.43 | 3/4 | 364.52 | 3/4 | 50.52 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 8 | 2,172.43 | 8 | 1,812.83 | 8 | 1,446.99 | 8 | 1,081.16 | 8 | 715.81 | 8 | 357.47 | 8 | 45.23 | 8 | 8 | | 8 | | 8 |
| 1/4 | 2,164.81 | 1/4 | 1,805.21 | 1/4 | 1,439.37 | 1/4 | 1,073.54 | 1/4 | 708.19 | 1/4 | 350.41 | 1/4 | 39.93 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,157.19 | 1/2 | 1,797.59 | 1/2 | 1,431.75 | 1/2 | 1,065.92 | 1/2 | 700.56 | 1/2 | 343.35 | 1/2 | 34.64 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,149.57 | 3/4 | 1,789.97 | 3/4 | 1,424.12 | 3/4 | 1,058.31 | 3/4 | 692.94 | 3/4 | 336.38 | 3/4 | 30.76 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 9 | 2,141.95 | 9 | 1,782.34 | 9 | 1,416.50 | 9 | 1,050.69 | 9 | 685.32 | 9 | 329.41 | 9 | 26.87 | 9 | 9 | | 9 | | 9 |
| 1/4 | 2,134.33 | 1/4 | 1,774.72 | 1/4 | 1,408.88 | 1/4 | 1,043.08 | 1/4 | 677.70 | 1/4 | 322.43 | 1/4 | 22.99 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,126.71 | 1/2 | 1,767.10 | 1/2 | 1,401.26 | 1/2 | 1,035.46 | 1/2 | 670.08 | 1/2 | 315.46 | 1/2 | 19.11 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,119.09 | 3/4 | 1,759.48 | 3/4 | 1,393.64 | 3/4 | 1,027.85 | 3/4 | 662.46 | 3/4 | 308.58 | 3/4 | | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 10 | 2,111.47 | 10 | 1,751.86 | 10 | 1,386.02 | 10 | 1,020.25 | 10 | 654.84 | 10 | 301.69 | 10 | | 10 | 10 | | 10 | | 10 |
| 1/4 | 2,103.85 | 1/4 | 1,744.24 | 1/4 | 1,378.39 | 1/4 | 1,012.64 | 1/4 | 647.21 | 1/4 | 294.81 | 1/4 | | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,096.23 | 1/2 | 1,736.61 | 1/2 | 1,370.77 | 1/2 | 1,005.03 | 1/2 | 639.59 | 1/2 | 287.92 | 1/2 | | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,088.61 | 3/4 | 1,728.99 | 3/4 | 1,363.15 | 3/4 | 997.42 | 3/4 | 631.97 | 3/4 | 281.12 | 3/4 | | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 11 | 2,080.99 | 11 | 1,721.37 | 11 | 1,355.53 | 11 | 989.81 | 11 | 624.35 | 11 | 274.32 | 11 | | 11 | 11 | | 11 | | 11 |
| 1/4 | 2,073.37 | 1/4 | 1,713.75 | 1/4 | 1,347.91 | 1/4 | 982.20 | 1/4 | 616.73 | 1/4 | 267.53 | 1/4 | | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,065.75 | 1/2 | 1,706.13 | 1/2 | 1,340.29 | 1/2 | 974.60 | 1/2 | 609.11 | 1/2 | 260.73 | 1/2 | | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,058.13 | 3/4 | 1,698.51 | 3/4 | 1,332.66 | 3/4 | 966.99 | 3/4 | 601.49 | 3/4 | 254.02 | 3/4 | | 3/4 | 3/4 | | 3/4 | | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/01/2014 PMA
RECALCULATED: 10/10/2019
NAME CHANGE: 10/10/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

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



BARGE "KIRBY 27733"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 330"

GAUGE HEIGHT 16'-10 1/2"

| 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 | 4,709.67 | 0 | 4,400.78 | 0 | 4,074.09 | 0 | 3,731.37 | 0 | 3,387.25 | 0 | 3,043.13 | 0 | 2,698.93 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,702.56 | 1/4 | 4,394.18 | 1/4 | 4,067.08 | 1/4 | 3,724.20 | 1/4 | 3,380.08 | 1/4 | 3,035.97 | 1/4 | 2,691.76 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,695.44 | 1/2 | 4,387.57 | 1/2 | 4,060.06 | 1/2 | 3,717.03 | 1/2 | 3,372.91 | 1/2 | 3,028.80 | 1/2 | 2,684.58 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,689.01 | 3/4 | 4,380.93 | 3/4 | 4,053.01 | 3/4 | 3,709.86 | 3/4 | 3,365.74 | 3/4 | 3,021.63 | 3/4 | 2,677.41 | | |
| 1 | | 1 | | 1 | | 1 | 4,682.57 | 1 | 4,374.30 | 1 | 4,045.96 | 1 | 3,702.69 | 1 | 3,358.57 | 1 | 3,014.46 | 1 | 2,670.24 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,676.13 | 1/4 | 4,367.66 | 1/4 | 4,038.91 | 1/4 | 3,695.52 | 1/4 | 3,351.41 | 1/4 | 3,007.29 | 1/4 | 2,663.07 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,669.70 | 1/2 | 4,361.03 | 1/2 | 4,031.85 | 1/2 | 3,688.35 | 1/2 | 3,344.24 | 1/2 | 3,000.12 | 1/2 | 2,655.89 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,663.46 | 3/4 | 4,354.36 | 3/4 | 4,024.77 | 3/4 | 3,681.18 | 3/4 | 3,337.07 | 3/4 | 2,992.95 | 3/4 | 2,648.72 | | |
| 2 | | 2 | | 2 | | 2 | 4,657.23 | 2 | 4,347.69 | 2 | 4,017.68 | 2 | 3,674.02 | 2 | 3,329.90 | 2 | 2,985.78 | 2 | 2,641.55 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,650.99 | 1/4 | 4,341.02 | 1/4 | 4,010.59 | 1/4 | 3,666.85 | 1/4 | 3,322.73 | 1/4 | 2,978.61 | 1/4 | 2,634.37 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,644.75 | 1/2 | 4,334.35 | 1/2 | 4,003.51 | 1/2 | 3,659.68 | 1/2 | 3,315.56 | 1/2 | 2,971.44 | 1/2 | 2,627.20 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,638.49 | 3/4 | 4,327.65 | 3/4 | 3,996.39 | 3/4 | 3,652.51 | 3/4 | 3,308.39 | 3/4 | 2,964.27 | 3/4 | 2,620.03 | | |
| 3 | | 3 | | 3 | | 3 | 4,632.22 | 3 | 4,320.95 | 3 | 3,989.27 | 3 | 3,645.34 | 3 | 3,301.22 | 3 | 2,957.10 | 3 | 2,612.85 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,625.96 | 1/4 | 4,314.25 | 1/4 | 3,982.16 | 1/4 | 3,638.17 | 1/4 | 3,294.05 | 1/4 | 2,949.94 | 1/4 | 2,605.68 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,619.70 | 1/2 | 4,307.56 | 1/2 | 3,975.04 | 1/2 | 3,631.00 | 1/2 | 3,286.88 | 1/2 | 2,942.77 | 1/2 | 2,598.51 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,613.39 | 3/4 | 4,300.82 | 3/4 | 3,967.89 | 3/4 | 3,623.83 | 3/4 | 3,279.71 | 3/4 | 2,935.60 | 3/4 | 2,591.33 | | |
| 4 | | 4 | | 4 | | 4 | 4,607.09 | 4 | 4,294.09 | 4 | 3,960.74 | 4 | 3,616.66 | 4 | 3,272.55 | 4 | 2,928.43 | 4 | 2,584.16 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,600.79 | 1/4 | 4,287.36 | 1/4 | 3,953.59 | 1/4 | 3,609.49 | 1/4 | 3,265.38 | 1/4 | 2,921.26 | 1/4 | 2,576.99 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,594.49 | 1/2 | 4,280.63 | 1/2 | 3,946.44 | 1/2 | 3,602.32 | 1/2 | 3,258.21 | 1/2 | 2,914.09 | 1/2 | 2,569.81 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,588.16 | 3/4 | 4,273.87 | 3/4 | 3,939.27 | 3/4 | 3,595.15 | 3/4 | 3,251.04 | 3/4 | 2,906.92 | 3/4 | 2,562.64 | | |
| 5 | | 5 | | 5 | | 5 | 4,581.82 | 5 | 4,267.10 | 5 | 3,932.10 | 5 | 3,587.99 | 5 | 3,243.87 | 5 | 2,899.75 | 5 | 2,555.47 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,575.49 | 1/4 | 4,260.34 | 1/4 | 3,924.93 | 1/4 | 3,580.82 | 1/4 | 3,236.70 | 1/4 | 2,892.58 | 1/4 | 2,548.29 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,569.15 | 1/2 | 4,253.58 | 1/2 | 3,917.76 | 1/2 | 3,573.65 | 1/2 | 3,229.53 | 1/2 | 2,885.41 | 1/2 | 2,541.12 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,562.78 | 3/4 | 4,246.78 | 3/4 | 3,910.60 | 3/4 | 3,566.48 | 3/4 | 3,222.36 | 3/4 | 2,878.24 | 3/4 | 2,533.95 | | |
| 6 | | 6 | | 6 | | 6 | 4,556.42 | 6 | 4,239.99 | 6 | 3,903.43 | 6 | 3,559.31 | 6 | 3,215.19 | 6 | 2,871.08 | 6 | 2,526.77 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,550.05 | 1/4 | 4,233.19 | 1/4 | 3,896.26 | 1/4 | 3,552.14 | 1/4 | 3,208.02 | 1/4 | 2,863.91 | 1/4 | 2,519.60 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,543.68 | 1/2 | 4,226.40 | 1/2 | 3,889.09 | 1/2 | 3,544.97 | 1/2 | 3,200.85 | 1/2 | 2,856.74 | 1/2 | 2,512.43 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,537.29 | 3/4 | 4,219.57 | 3/4 | 3,881.92 | 3/4 | 3,537.80 | 3/4 | 3,193.69 | 3/4 | 2,849.57 | 3/4 | 2,505.25 | | |
| 7 | | 7 | | 7 | | 7 | 4,530.89 | 7 | 4,212.73 | 7 | 3,874.75 | 7 | 3,530.63 | 7 | 3,186.52 | 7 | 2,842.39 | 7 | 2,498.08 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,524.49 | 1/4 | 4,205.90 | 1/4 | 3,867.58 | 1/4 | 3,523.46 | 1/4 | 3,179.35 | 1/4 | 2,835.22 | 1/4 | 2,490.91 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,832.67 | 1/2 | 4,518.09 | 1/2 | 4,199.07 | 1/2 | 3,860.41 | 1/2 | 3,516.29 | 1/2 | 3,172.18 | 1/2 | 2,828.05 | 1/2 | 2,483.74 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,826.63 | 3/4 | 4,511.66 | 3/4 | 4,192.18 | 3/4 | 3,853.24 | 3/4 | 3,509.13 | 3/4 | 3,165.01 | 3/4 | 2,820.88 | 3/4 | 2,476.56 |
| 8 | | 8 | | 8 | | 8 | 4,820.60 | 8 | 4,505.23 | 8 | 4,185.30 | 8 | 3,846.07 | 8 | 3,501.96 | 8 | 3,157.84 | 8 | 2,813.70 | 8 | 2,469.39 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,814.56 | 1/4 | 4,498.80 | 1/4 | 4,178.42 | 1/4 | 3,838.90 | 1/4 | 3,494.79 | 1/4 | 3,150.67 | 1/4 | 2,806.53 | 1/4 | 2,462.22 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,808.52 | 1/2 | 4,492.37 | 1/2 | 4,171.54 | 1/2 | 3,831.74 | 1/2 | 3,487.62 | 1/2 | 3,143.50 | 1/2 | 2,799.36 | 1/2 | 2,455.04 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,801.59 | 3/4 | 4,485.88 | 3/4 | 4,164.62 | 3/4 | 3,824.57 | 3/4 | 3,480.45 | 3/4 | 3,136.33 | 3/4 | 2,792.18 | 3/4 | 2,447.87 |
| 9 | | 9 | | 9 | | 9 | 4,794.65 | 9 | 4,479.39 | 9 | 4,157.70 | 9 | 3,817.40 | 9 | 3,473.28 | 9 | 3,129.16 | 9 | 2,785.01 | 9 | 2,440.70 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,787.72 | 1/4 | 4,472.90 | 1/4 | 4,150.78 | 1/4 | 3,810.23 | 1/4 | 3,466.11 | 1/4 | 3,121.99 | 1/4 | 2,777.84 | 1/4 | 2,433.52 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,780.79 | 1/2 | 4,466.41 | 1/2 | 4,143.86 | 1/2 | 3,803.06 | 1/2 | 3,458.94 | 1/2 | 3,114.83 | 1/2 | 2,770.66 | 1/2 | 2,426.35 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,773.67 | 3/4 | 4,459.87 | 3/4 | 4,136.91 | 3/4 | 3,795.89 | 3/4 | 3,451.77 | 3/4 | 3,107.66 | 3/4 | 2,763.49 | 3/4 | 2,419.18 |
| 10 | | 10 | | 10 | | 10 | 4,766.56 | 10 | 4,453.34 | 10 | 4,129.96 | 10 | 3,788.72 | 10 | 3,444.60 | 10 | 3,100.49 | 10 | 2,756.32 | 10 | 2,412.00 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,759.45 | 1/4 | 4,446.81 | 1/4 | 4,123.00 | 1/4 | 3,781.55 | 1/4 | 3,437.43 | 1/4 | 3,093.32 | 1/4 | 2,749.14 | 1/4 | 2,404.83 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,752.34 | 1/2 | 4,440.27 | 1/2 | 4,116.05 | 1/2 | 3,774.38 | 1/2 | 3,430.27 | 1/2 | 3,086.15 | 1/2 | 2,741.97 | 1/2 | 2,397.66 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,745.23 | 3/4 | 4,433.70 | 3/4 | 4,109.07 | 3/4 | 3,767.21 | 3/4 | 3,423.10 | 3/4 | 3,078.98 | 3/4 | 2,734.80 | 3/4 | 2,390.48 |
| 11 | | 11 | | 11 | | 11 | 4,738.12 | 11 | 4,427.13 | 11 | 4,102.09 | 11 | 3,760.04 | 11 | 3,415.93 | 11 | 3,071.81 | 11 | 2,727.62 | 11 | 2,383.31 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,731.00 | 1/4 | 4,420.56 | 1/4 | 4,095.10 | 1/4 | 3,752.88 | 1/4 | 3,408.76 | 1/4 | 3,064.64 | 1/4 | 2,720.45 | 1/4 | 2,376.14 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,723.89 | 1/2 | 4,413.99 | 1/2 | 4,088.12 | 1/2 | 3,745.71 | 1/2 | 3,401.59 | 1/2 | 3,057.47 | 1/2 | 2,713.28 | 1/2 | 2,368.96 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,716.78 | 3/4 | 4,407.38 | 3/4 | 4,081.11 | 3/4 | 3,738.54 | 3/4 | 3,394.42 | 3/4 | 3,050.30 | 3/4 | 2,706.10 | 3/4 | 2,361.79 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 40'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27733"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 330"

GAUGE HEIGHT 16'-10 1/2"

| 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | | 16 FT. | | 17 FT. | | 18 FT. | | 19 FT. | |
|--------|----------|--------|----------|--------|----------|--------|----------|--------|--------|--------|--------|--------|--------|--------|-----|--------|-----|--------|-----|
| 0 | 2,354.62 | 0 | 2,010.30 | 0 | 1,671.80 | 0 | 1,327.42 | 0 | 989.20 | 0 | 653.06 | 0 | 308.68 | 0 | | 0 | | 0 | |
| 1/4 | 2,347.44 | 1/4 | 2,003.13 | 1/4 | 1,664.63 | 1/4 | 1,320.24 | 1/4 | 982.33 | 1/4 | 645.88 | 1/4 | 301.51 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,340.27 | 1/2 | 1,995.96 | 1/2 | 1,657.46 | 1/2 | 1,313.07 | 1/2 | 975.46 | 1/2 | 638.71 | 1/2 | 294.33 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,333.10 | 3/4 | 1,988.78 | 3/4 | 1,650.28 | 3/4 | 1,305.89 | 3/4 | 968.59 | 3/4 | 631.53 | 3/4 | 287.16 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 1 | 2,325.92 | 1 | 1,981.61 | 1 | 1,643.11 | 1 | 1,298.72 | 1 | 961.72 | 1 | 624.36 | 1 | 279.98 | 1 | 1 | | 1 | | 1 |
| 1/4 | 2,318.75 | 1/4 | 1,974.44 | 1/4 | 1,635.93 | 1/4 | 1,291.55 | 1/4 | 954.85 | 1/4 | 617.18 | 1/4 | 272.81 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,311.58 | 1/2 | 1,967.26 | 1/2 | 1,628.76 | 1/2 | 1,284.37 | 1/2 | 947.98 | 1/2 | 610.01 | 1/2 | 265.63 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,304.41 | 3/4 | 1,960.60 | 3/4 | 1,621.58 | 3/4 | 1,277.20 | 3/4 | 941.11 | 3/4 | 602.83 | 3/4 | 258.46 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 2 | 2,297.23 | 2 | 1,953.94 | 2 | 1,614.41 | 2 | 1,270.02 | 2 | 934.24 | 2 | 595.66 | 2 | 251.28 | 2 | 2 | | 2 | | 2 |
| 1/4 | 2,290.06 | 1/4 | 1,947.27 | 1/4 | 1,607.23 | 1/4 | 1,262.85 | 1/4 | 927.37 | 1/4 | 588.49 | 1/4 | 244.11 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,282.89 | 1/2 | 1,940.61 | 1/2 | 1,600.06 | 1/2 | 1,255.67 | 1/2 | 920.50 | 1/2 | 581.31 | 1/2 | 236.94 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,275.71 | 3/4 | 1,934.11 | 3/4 | 1,592.88 | 3/4 | 1,248.50 | 3/4 | 913.63 | 3/4 | 574.14 | 3/4 | 229.76 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 3 | 2,268.54 | 3 | 1,927.62 | 3 | 1,585.71 | 3 | 1,241.32 | 3 | 906.76 | 3 | 566.96 | 3 | 222.59 | 3 | 3 | | 3 | | 3 |
| 1/4 | 2,261.37 | 1/4 | 1,921.13 | 1/4 | 1,578.53 | 1/4 | 1,234.15 | 1/4 | 899.89 | 1/4 | 559.79 | 1/4 | 215.41 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,254.19 | 1/2 | 1,914.63 | 1/2 | 1,571.36 | 1/2 | 1,226.97 | 1/2 | 893.02 | 1/2 | 552.61 | 1/2 | 208.24 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,247.02 | 3/4 | 1,907.65 | 3/4 | 1,564.18 | 3/4 | 1,219.80 | 3/4 | 886.15 | 3/4 | 545.44 | 3/4 | 201.06 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 4 | 2,239.85 | 4 | 1,900.68 | 4 | 1,557.01 | 4 | 1,212.62 | 4 | 879.28 | 4 | 538.26 | 4 | 193.89 | 4 | 4 | | 4 | | 4 |
| 1/4 | 2,232.67 | 1/4 | 1,893.70 | 1/4 | 1,549.83 | 1/4 | 1,205.45 | 1/4 | 872.41 | 1/4 | 531.09 | 1/4 | 186.71 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,225.50 | 1/2 | 1,886.72 | 1/2 | 1,542.66 | 1/2 | 1,198.27 | 1/2 | 865.54 | 1/2 | 523.92 | 1/2 | 179.54 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,218.33 | 3/4 | 1,879.58 | 3/4 | 1,535.49 | 3/4 | 1,191.10 | 3/4 | 858.67 | 3/4 | 516.74 | 3/4 | 172.36 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 5 | 2,211.15 | 5 | 1,872.44 | 5 | 1,528.31 | 5 | 1,183.92 | 5 | 851.80 | 5 | 509.57 | 5 | 165.19 | 5 | 5 | | 5 | | 5 |
| 1/4 | 2,203.98 | 1/4 | 1,865.30 | 1/4 | 1,521.14 | 1/4 | 1,176.75 | 1/4 | 844.93 | 1/4 | 502.39 | 1/4 | 158.02 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,196.81 | 1/2 | 1,858.16 | 1/2 | 1,513.96 | 1/2 | 1,169.58 | 1/2 | 838.06 | 1/2 | 495.22 | 1/2 | 150.84 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,189.63 | 3/4 | 1,851.02 | 3/4 | 1,506.79 | 3/4 | 1,162.40 | 3/4 | 831.19 | 3/4 | 488.04 | 3/4 | 143.67 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 6 | 2,182.46 | 6 | 1,843.89 | 6 | 1,499.61 | 6 | 1,155.23 | 6 | 824.32 | 6 | 480.87 | 6 | 136.49 | 6 | 6 | | 6 | | 6 |
| 1/4 | 2,175.29 | 1/4 | 1,836.75 | 1/4 | 1,492.44 | 1/4 | 1,148.05 | 1/4 | 817.45 | 1/4 | 473.69 | 1/4 | 129.32 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,168.11 | 1/2 | 1,829.61 | 1/2 | 1,485.26 | 1/2 | 1,140.88 | 1/2 | 810.58 | 1/2 | 466.52 | 1/2 | 122.15 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,160.94 | 3/4 | 1,822.44 | 3/4 | 1,478.09 | 3/4 | 1,133.91 | 3/4 | 803.49 | 3/4 | 459.34 | 3/4 | 114.98 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 7 | 2,153.77 | 7 | 1,815.28 | 7 | 1,470.91 | 7 | 1,126.95 | 7 | 796.39 | 7 | 452.17 | 7 | 107.81 | 7 | 7 | | 7 | | 7 |
| 1/4 | 2,146.59 | 1/4 | 1,808.11 | 1/4 | 1,463.74 | 1/4 | 1,119.99 | 1/4 | 789.29 | 1/4 | 445.00 | 1/4 | 100.65 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,139.42 | 1/2 | 1,800.95 | 1/2 | 1,456.56 | 1/2 | 1,113.03 | 1/2 | 782.20 | 1/2 | 437.82 | 1/2 | 93.48 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,132.25 | 3/4 | 1,793.77 | 3/4 | 1,449.39 | 3/4 | 1,106.14 | 3/4 | 775.02 | 3/4 | 430.65 | 3/4 | 86.34 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 8 | 2,125.08 | 8 | 1,786.60 | 8 | 1,442.21 | 8 | 1,099.25 | 8 | 767.85 | 8 | 423.47 | 8 | 79.19 | 8 | 8 | | 8 | | 8 |
| 1/4 | 2,117.90 | 1/4 | 1,779.43 | 1/4 | 1,435.04 | 1/4 | 1,092.35 | 1/4 | 760.67 | 1/4 | 416.30 | 1/4 | 72.04 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,110.73 | 1/2 | 1,772.25 | 1/2 | 1,427.86 | 1/2 | 1,085.46 | 1/2 | 753.50 | 1/2 | 409.12 | 1/2 | 64.90 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,103.56 | 3/4 | 1,765.08 | 3/4 | 1,420.69 | 3/4 | 1,078.58 | 3/4 | 746.32 | 3/4 | 401.95 | 3/4 | 58.41 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 9 | 2,096.38 | 9 | 1,757.90 | 9 | 1,413.52 | 9 | 1,071.70 | 9 | 739.15 | 9 | 394.77 | 9 | 51.91 | 9 | 9 | | 9 | | 9 |
| 1/4 | 2,089.21 | 1/4 | 1,750.73 | 1/4 | 1,406.34 | 1/4 | 1,064.82 | 1/4 | 731.98 | 1/4 | 387.60 | 1/4 | 45.42 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,082.04 | 1/2 | 1,743.55 | 1/2 | 1,399.17 | 1/2 | 1,057.94 | 1/2 | 724.80 | 1/2 | 380.43 | 1/2 | 38.93 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,074.86 | 3/4 | 1,736.38 | 3/4 | 1,391.99 | 3/4 | 1,051.06 | 3/4 | 717.63 | 3/4 | 373.25 | 3/4 | 34.00 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 10 | 2,067.69 | 10 | 1,729.20 | 10 | 1,384.82 | 10 | 1,044.18 | 10 | 710.45 | 10 | 366.08 | 10 | 29.07 | 10 | 10 | | 10 | | 10 |
| 1/4 | 2,060.52 | 1/4 | 1,722.03 | 1/4 | 1,377.64 | 1/4 | 1,037.31 | 1/4 | 703.28 | 1/4 | 358.90 | 1/4 | 24.13 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,053.34 | 1/2 | 1,714.85 | 1/2 | 1,370.47 | 1/2 | 1,030.43 | 1/2 | 696.10 | 1/2 | 351.73 | 1/2 | 19.20 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,046.17 | 3/4 | 1,707.68 | 3/4 | 1,363.29 | 3/4 | 1,023.56 | 3/4 | 688.93 | 3/4 | 344.55 | 3/4 | | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 11 | 2,039.00 | 11 | 1,700.50 | 11 | 1,356.12 | 11 | 1,016.69 | 11 | 681.75 | 11 | 337.38 | 11 | | 11 | 11 | | 11 | | 11 |
| 1/4 | 2,031.82 | 1/4 | 1,693.33 | 1/4 | 1,348.94 | 1/4 | 1,009.82 | 1/4 | 674.58 | 1/4 | 330.20 | 1/4 | | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,024.65 | 1/2 | 1,686.15 | 1/2 | 1,341.77 | 1/2 | 1,002.94 | 1/2 | 667.41 | 1/2 | 323.03 | 1/2 | | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,017.48 | 3/4 | 1,678.98 | 3/4 | 1,334.59 | 3/4 | 996.07 | 3/4 | 660.23 | 3/4 | 315.85 | 3/4 | | 3/4 | 3/4 | | 3/4 | | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/01/2014 PMA
RECALCULATED: 10/10/2019
NAME CHANGE: 10/10/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 27733"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 330"

GAUGE HEIGHT 16'-10 1/2"

| 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 | 4,722.47 | 0 | 4,413.63 | 0 | 4,087.00 | 0 | 3,744.38 | 0 | 3,400.34 | 0 | 3,056.31 | 0 | 2,712.19 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,715.36 | 1/4 | 4,407.02 | 1/4 | 4,079.99 | 1/4 | 3,737.21 | 1/4 | 3,393.17 | 1/4 | 3,049.14 | 1/4 | 2,705.01 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,708.25 | 1/2 | 4,400.42 | 1/2 | 4,072.98 | 1/2 | 3,730.04 | 1/2 | 3,386.01 | 1/2 | 3,041.97 | 1/2 | 2,697.84 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,701.81 | 3/4 | 4,393.78 | 3/4 | 4,065.93 | 3/4 | 3,722.87 | 3/4 | 3,378.84 | 3/4 | 3,034.80 | 3/4 | 2,690.67 |
| 1 | | 1 | | 1 | | 1 | 4,695.38 | 1 | 4,387.15 | 1 | 4,058.88 | 1 | 3,715.71 | 1 | 3,371.67 | 1 | 3,027.64 | 1 | 2,683.50 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,688.94 | 1/4 | 4,380.51 | 1/4 | 4,051.83 | 1/4 | 3,708.54 | 1/4 | 3,364.50 | 1/4 | 3,020.47 | 1/4 | 2,676.33 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,682.50 | 1/2 | 4,373.88 | 1/2 | 4,044.78 | 1/2 | 3,701.37 | 1/2 | 3,357.34 | 1/2 | 3,013.30 | 1/2 | 2,669.16 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,676.27 | 3/4 | 4,367.21 | 3/4 | 4,037.69 | 3/4 | 3,694.20 | 3/4 | 3,350.17 | 3/4 | 3,006.13 | 3/4 | 2,661.99 |
| 2 | | 2 | | 2 | | 2 | 4,670.03 | 2 | 4,360.54 | 2 | 4,030.61 | 2 | 3,687.04 | 2 | 3,343.00 | 2 | 2,998.97 | 2 | 2,654.81 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,663.80 | 1/4 | 4,353.88 | 1/4 | 4,023.52 | 1/4 | 3,679.87 | 1/4 | 3,335.83 | 1/4 | 2,991.80 | 1/4 | 2,647.64 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,657.56 | 1/2 | 4,347.21 | 1/2 | 4,016.44 | 1/2 | 3,672.70 | 1/2 | 3,328.67 | 1/2 | 2,984.63 | 1/2 | 2,640.47 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,651.30 | 3/4 | 4,340.51 | 3/4 | 4,009.32 | 3/4 | 3,665.53 | 3/4 | 3,321.50 | 3/4 | 2,977.46 | 3/4 | 2,633.30 |
| 3 | | 3 | | 3 | | 3 | 4,645.04 | 3 | 4,333.81 | 3 | 4,002.20 | 3 | 3,658.37 | 3 | 3,314.33 | 3 | 2,970.30 | 3 | 2,626.13 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,638.77 | 1/4 | 4,327.12 | 1/4 | 3,995.09 | 1/4 | 3,651.20 | 1/4 | 3,307.16 | 1/4 | 2,963.13 | 1/4 | 2,618.96 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,632.51 | 1/2 | 4,320.42 | 1/2 | 3,987.97 | 1/2 | 3,644.03 | 1/2 | 3,300.00 | 1/2 | 2,955.96 | 1/2 | 2,611.79 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,626.21 | 3/4 | 4,313.69 | 3/4 | 3,980.83 | 3/4 | 3,636.86 | 3/4 | 3,292.83 | 3/4 | 2,948.79 | 3/4 | 2,604.62 |
| 4 | | 4 | | 4 | | 4 | 4,619.91 | 4 | 4,306.96 | 4 | 3,973.68 | 4 | 3,629.70 | 4 | 3,285.66 | 4 | 2,941.63 | 4 | 2,597.44 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,613.61 | 1/4 | 4,300.23 | 1/4 | 3,966.53 | 1/4 | 3,622.53 | 1/4 | 3,278.49 | 1/4 | 2,934.46 | 1/4 | 2,590.27 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,607.31 | 1/2 | 4,293.50 | 1/2 | 3,959.38 | 1/2 | 3,615.36 | 1/2 | 3,271.33 | 1/2 | 2,927.29 | 1/2 | 2,583.10 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,600.97 | 3/4 | 4,286.74 | 3/4 | 3,952.22 | 3/4 | 3,608.20 | 3/4 | 3,264.16 | 3/4 | 2,920.12 | 3/4 | 2,575.93 |
| 5 | | 5 | | 5 | | 5 | 4,594.64 | 5 | 4,279.97 | 5 | 3,945.05 | 5 | 3,601.03 | 5 | 3,256.99 | 5 | 2,912.96 | 5 | 2,568.76 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,588.30 | 1/4 | 4,273.21 | 1/4 | 3,937.89 | 1/4 | 3,593.86 | 1/4 | 3,249.83 | 1/4 | 2,905.79 | 1/4 | 2,561.59 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,581.97 | 1/2 | 4,266.45 | 1/2 | 3,930.73 | 1/2 | 3,586.69 | 1/2 | 3,242.66 | 1/2 | 2,898.62 | 1/2 | 2,554.42 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,575.61 | 3/4 | 4,259.66 | 3/4 | 3,923.56 | 3/4 | 3,579.53 | 3/4 | 3,235.49 | 3/4 | 2,891.46 | 3/4 | 2,547.24 |
| 6 | | 6 | | 6 | | 6 | 4,569.24 | 6 | 4,252.86 | 6 | 3,916.39 | 6 | 3,572.36 | 6 | 3,228.32 | 6 | 2,884.29 | 6 | 2,540.07 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,562.87 | 1/4 | 4,246.07 | 1/4 | 3,909.23 | 1/4 | 3,565.19 | 1/4 | 3,221.16 | 1/4 | 2,877.12 | 1/4 | 2,532.90 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,556.51 | 1/2 | 4,239.28 | 1/2 | 3,902.06 | 1/2 | 3,558.02 | 1/2 | 3,213.99 | 1/2 | 2,869.95 | 1/2 | 2,525.73 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,550.11 | 3/4 | 4,232.44 | 3/4 | 3,894.89 | 3/4 | 3,550.86 | 3/4 | 3,206.82 | 3/4 | 2,862.78 | 3/4 | 2,518.56 |
| 7 | | 7 | | 7 | | 7 | 4,543.71 | 7 | 4,225.61 | 7 | 3,887.72 | 7 | 3,543.69 | 7 | 3,199.65 | 7 | 2,855.61 | 7 | 2,511.39 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,537.32 | 1/4 | 4,218.78 | 1/4 | 3,880.56 | 1/4 | 3,536.52 | 1/4 | 3,192.49 | 1/4 | 2,848.44 | 1/4 | 2,504.22 |
| 1/2 | 1/2 | 1/2 | 4,845.43 | 1/2 | 4,530.92 | 1/2 | 4,211.95 | 1/2 | 3,873.39 | 1/2 | 3,529.35 | 1/2 | 3,185.32 | 1/2 | 2,841.27 | 1/2 | 2,841.27 | 1/2 | 2,497.04 |
| 3/4 | 3/4 | 3/4 | 4,839.40 | 3/4 | 4,524.49 | 3/4 | 4,205.07 | 3/4 | 3,866.22 | 3/4 | 3,522.19 | 3/4 | 3,178.15 | 3/4 | 2,834.10 | 3/4 | 2,834.10 | 3/4 | 2,489.87 |
| 8 | | 8 | 4,833.36 | 8 | 4,518.06 | 8 | 4,198.19 | 8 | 3,859.05 | 8 | 3,515.02 | 8 | 3,170.98 | 8 | 2,826.93 | 8 | 2,826.93 | 8 | 2,482.70 |
| 1/4 | 1/4 | 1/4 | 4,827.33 | 1/4 | 4,511.63 | 1/4 | 4,191.31 | 1/4 | 3,851.89 | 1/4 | 3,507.85 | 1/4 | 3,163.82 | 1/4 | 2,819.76 | 1/4 | 2,819.76 | 1/4 | 2,475.53 |
| 1/2 | 1/2 | 1/2 | 4,821.29 | 1/2 | 4,505.20 | 1/2 | 4,184.43 | 1/2 | 3,844.72 | 1/2 | 3,500.68 | 1/2 | 3,156.65 | 1/2 | 2,812.59 | 1/2 | 2,812.59 | 1/2 | 2,468.36 |
| 3/4 | 3/4 | 3/4 | 4,814.36 | 3/4 | 4,498.71 | 3/4 | 4,177.51 | 3/4 | 3,837.55 | 3/4 | 3,493.52 | 3/4 | 3,149.48 | 3/4 | 2,805.41 | 3/4 | 2,805.41 | 3/4 | 2,461.19 |
| 9 | | 9 | 4,807.43 | 9 | 4,492.22 | 9 | 4,170.59 | 9 | 3,830.38 | 9 | 3,486.35 | 9 | 3,142.31 | 9 | 2,798.24 | 9 | 2,798.24 | 9 | 2,454.02 |
| 1/4 | 1/4 | 1/4 | 4,800.50 | 1/4 | 4,485.73 | 1/4 | 4,163.67 | 1/4 | 3,823.22 | 1/4 | 3,479.18 | 1/4 | 3,135.15 | 1/4 | 2,791.07 | 1/4 | 2,791.07 | 1/4 | 2,446.84 |
| 1/2 | 1/2 | 1/2 | 4,793.57 | 1/2 | 4,479.24 | 1/2 | 4,156.75 | 1/2 | 3,816.05 | 1/2 | 3,472.01 | 1/2 | 3,127.98 | 1/2 | 2,783.90 | 1/2 | 2,783.90 | 1/2 | 2,439.67 |
| 3/4 | 3/4 | 3/4 | 4,786.46 | 3/4 | 4,472.71 | 3/4 | 4,149.80 | 3/4 | 3,808.88 | 3/4 | 3,464.85 | 3/4 | 3,120.81 | 3/4 | 2,776.73 | 3/4 | 2,776.73 | 3/4 | 2,432.50 |
| 10 | | 10 | 4,779.35 | 10 | 4,466.18 | 10 | 4,142.86 | 10 | 3,801.71 | 10 | 3,457.68 | 10 | 3,113.64 | 10 | 2,769.56 | 10 | 2,769.56 | 10 | 2,425.33 |
| 1/4 | 1/4 | 1/4 | 4,772.24 | 1/4 | 4,459.64 | 1/4 | 4,135.91 | 1/4 | 3,794.55 | 1/4 | 3,450.51 | 1/4 | 3,106.48 | 1/4 | 2,762.39 | 1/4 | 2,762.39 | 1/4 | 2,418.16 |
| 1/2 | 1/2 | 1/2 | 4,765.13 | 1/2 | 4,453.11 | 1/2 | 4,128.96 | 1/2 | 3,787.38 | 1/2 | 3,443.34 | 1/2 | 3,099.31 | 1/2 | 2,755.21 | 1/2 | 2,755.21 | 1/2 | 2,410.99 |
| 3/4 | 3/4 | 3/4 | 4,758.02 | 3/4 | 4,446.54 | 3/4 | 4,121.97 | 3/4 | 3,780.21 | 3/4 | 3,436.18 | 3/4 | 3,092.14 | 3/4 | 2,748.04 | 3/4 | 2,748.04 | 3/4 | 2,403.82 |
| 11 | | 11 | 4,750.91 | 11 | 4,439.97 | 11 | 4,114.99 | 11 | 3,773.05 | 11 | 3,429.01 | 11 | 3,084.97 | 11 | 2,740.87 | 11 | 2,740.87 | 11 | 2,396.64 |
| 1/4 | 1/4 | 1/4 | 4,743.80 | 1/4 | 4,433.40 | 1/4 | 4,108.01 | 1/4 | 3,765.88 | 1/4 | 3,421.84 | 1/4 | 3,077.81 | 1/4 | 2,733.70 | 1/4 | 2,733.70 | 1/4 | 2,389.47 |
| 1/2 | 1/2 | 1/2 | 4,736.69 | 1/2 | 4,426.83 | 1/2 | 4,101.03 | 1/2 | 3,758.71 | 1/2 | 3,414.68 | 1/2 | 3,070.64 | 1/2 | 2,726.53 | 1/2 | 2,726.53 | 1/2 | 2,382.30 |
| 3/4 | 3/4 | 3/4 | 4,729.58 | 3/4 | 4,420.23 | 3/4 | 4,094.02 | 3/4 | 3,751.54 | 3/4 | 3,407.51 | 3/4 | 3,063.47 | 3/4 | 2,719.36 | 3/4 | 2,719.36 | 3/4 | 2,375.13 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 40'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27733"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 330"

GAUGE HEIGHT 16'-10 1/2"

| 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | | 16 FT. | | 17 FT. | | 18 FT. | | 19 FT. | |
|--------|----------|--------|----------|--------|----------|--------|----------|--------|--------|--------|--------|--------|--------|--------|---|--------|---|--------|---|
| IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 | IN | 0 |
| 1/4 | 2,367.96 | 1/4 | 2,023.73 | 1/4 | 1,685.30 | 1/4 | 1,341.01 | 1/4 | 996.82 | 1/4 | 652.88 | 1/4 | 308.60 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,360.79 | 1/2 | 2,016.56 | 1/2 | 1,678.13 | 1/2 | 1,333.84 | 1/2 | 989.66 | 1/2 | 645.71 | 1/2 | 301.42 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,353.62 | 3/4 | 2,009.39 | 3/4 | 1,670.96 | 3/4 | 1,326.66 | 3/4 | 982.50 | 3/4 | 638.53 | 3/4 | 294.25 | 3/4 | | 3/4 | | 3/4 | |
| 1 | 2,346.44 | 1 | 2,002.22 | 1 | 1,663.79 | 1 | 1,319.49 | 1 | 975.34 | 1 | 631.36 | 1 | 287.08 | 1 | | 1 | | 1 | |
| 1/4 | 2,339.27 | 1/4 | 1,995.05 | 1/4 | 1,656.61 | 1/4 | 1,312.32 | 1/4 | 968.18 | 1/4 | 624.19 | 1/4 | 279.90 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,332.10 | 1/2 | 1,987.87 | 1/2 | 1,649.44 | 1/2 | 1,305.15 | 1/2 | 961.02 | 1/2 | 617.02 | 1/2 | 272.73 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,324.93 | 3/4 | 1,980.70 | 3/4 | 1,642.27 | 3/4 | 1,297.97 | 3/4 | 953.86 | 3/4 | 609.84 | 3/4 | 265.56 | 3/4 | | 3/4 | | 3/4 | |
| 1 | 2,317.76 | 1 | 1,974.04 | 1 | 1,635.09 | 1 | 1,290.80 | 1 | 946.70 | 1 | 602.67 | 1 | 258.39 | 1 | | 1 | | 1 | |
| 1/4 | 2,310.59 | 1/4 | 1,967.38 | 1/4 | 1,627.92 | 1/4 | 1,283.63 | 1/4 | 939.54 | 1/4 | 595.50 | 1/4 | 251.21 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,303.42 | 1/2 | 1,960.71 | 1/2 | 1,620.75 | 1/2 | 1,276.45 | 1/2 | 932.39 | 1/2 | 588.33 | 1/2 | 244.04 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,296.24 | 3/4 | 1,954.05 | 3/4 | 1,613.58 | 3/4 | 1,269.28 | 3/4 | 925.23 | 3/4 | 581.15 | 3/4 | 236.87 | 3/4 | | 3/4 | | 3/4 | |
| 1 | 2,289.07 | 1 | 1,947.56 | 1 | 1,606.40 | 1 | 1,262.11 | 1 | 918.07 | 1 | 573.98 | 1 | 229.70 | 1 | | 1 | | 1 | |
| 1/4 | 2,281.90 | 1/4 | 1,941.07 | 1/4 | 1,599.23 | 1/4 | 1,254.94 | 1/4 | 910.91 | 1/4 | 566.81 | 1/4 | 222.52 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,274.73 | 1/2 | 1,934.57 | 1/2 | 1,592.06 | 1/2 | 1,247.76 | 1/2 | 903.75 | 1/2 | 559.64 | 1/2 | 215.35 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,267.56 | 3/4 | 1,928.08 | 3/4 | 1,584.88 | 3/4 | 1,240.59 | 3/4 | 896.59 | 3/4 | 552.46 | 3/4 | 208.18 | 3/4 | | 3/4 | | 3/4 | |
| 1 | 2,260.39 | 1 | 1,921.10 | 1 | 1,577.71 | 1 | 1,233.42 | 1 | 889.43 | 1 | 545.29 | 1 | 201.01 | 1 | | 1 | | 1 | |
| 1/4 | 2,253.22 | 1/4 | 1,914.13 | 1/4 | 1,570.54 | 1/4 | 1,226.24 | 1/4 | 882.27 | 1/4 | 538.12 | 1/4 | 193.83 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,246.05 | 1/2 | 1,907.15 | 1/2 | 1,563.37 | 1/2 | 1,219.07 | 1/2 | 875.11 | 1/2 | 530.95 | 1/2 | 186.66 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,238.87 | 3/4 | 1,900.17 | 3/4 | 1,556.19 | 3/4 | 1,211.90 | 3/4 | 867.95 | 3/4 | 523.77 | 3/4 | 179.49 | 3/4 | | 3/4 | | 3/4 | |
| 1 | 2,231.70 | 1 | 1,893.04 | 1 | 1,549.02 | 1 | 1,204.73 | 1 | 860.79 | 1 | 516.60 | 1 | 172.32 | 1 | | 1 | | 1 | |
| 1/4 | 2,224.53 | 1/4 | 1,885.90 | 1/4 | 1,541.85 | 1/4 | 1,197.55 | 1/4 | 853.63 | 1/4 | 509.43 | 1/4 | 165.14 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,217.36 | 1/2 | 1,878.76 | 1/2 | 1,534.68 | 1/2 | 1,190.38 | 1/2 | 846.47 | 1/2 | 502.26 | 1/2 | 157.97 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,210.19 | 3/4 | 1,871.62 | 3/4 | 1,527.50 | 3/4 | 1,183.21 | 3/4 | 839.31 | 3/4 | 495.08 | 3/4 | 150.80 | 3/4 | | 3/4 | | 3/4 | |
| 1 | 2,203.02 | 1 | 1,864.49 | 1 | 1,520.33 | 1 | 1,176.04 | 1 | 832.15 | 1 | 487.91 | 1 | 143.63 | 1 | | 1 | | 1 | |
| 1/4 | 2,195.85 | 1/4 | 1,857.35 | 1/4 | 1,513.16 | 1/4 | 1,168.86 | 1/4 | 824.99 | 1/4 | 480.74 | 1/4 | 136.45 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,188.67 | 1/2 | 1,850.21 | 1/2 | 1,505.98 | 1/2 | 1,161.69 | 1/2 | 817.83 | 1/2 | 473.56 | 1/2 | 129.28 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,181.50 | 3/4 | 1,843.08 | 3/4 | 1,498.81 | 3/4 | 1,154.52 | 3/4 | 810.67 | 3/4 | 466.39 | 3/4 | 122.11 | 3/4 | | 3/4 | | 3/4 | |
| 1 | 2,174.33 | 1 | 1,835.91 | 1 | 1,491.64 | 1 | 1,147.34 | 1 | 803.50 | 1 | 459.22 | 1 | 114.95 | 1 | | 1 | | 1 | |
| 1/4 | 2,167.16 | 1/4 | 1,828.74 | 1/4 | 1,484.47 | 1/4 | 1,140.17 | 1/4 | 796.33 | 1/4 | 452.05 | 1/4 | 107.78 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,159.99 | 1/2 | 1,821.58 | 1/2 | 1,477.29 | 1/2 | 1,133.00 | 1/2 | 789.16 | 1/2 | 444.87 | 1/2 | 100.62 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,152.82 | 3/4 | 1,814.41 | 3/4 | 1,470.12 | 3/4 | 1,125.83 | 3/4 | 781.99 | 3/4 | 437.70 | 3/4 | 93.45 | 3/4 | | 3/4 | | 3/4 | |
| 1 | 2,145.65 | 1 | 1,807.24 | 1 | 1,462.95 | 1 | 1,118.65 | 1 | 774.81 | 1 | 430.53 | 1 | 86.31 | 1 | | 1 | | 1 | |
| 1/4 | 2,138.47 | 1/4 | 1,800.07 | 1/4 | 1,455.77 | 1/4 | 1,111.48 | 1/4 | 767.64 | 1/4 | 423.36 | 1/4 | 79.16 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,131.30 | 1/2 | 1,792.90 | 1/2 | 1,448.60 | 1/2 | 1,104.31 | 1/2 | 760.47 | 1/2 | 416.18 | 1/2 | 72.02 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,124.13 | 3/4 | 1,785.72 | 3/4 | 1,441.43 | 3/4 | 1,097.13 | 3/4 | 753.30 | 3/4 | 409.01 | 3/4 | 64.88 | 3/4 | | 3/4 | | 3/4 | |
| 1 | 2,116.96 | 1 | 1,778.55 | 1 | 1,434.26 | 1 | 1,089.97 | 1 | 746.12 | 1 | 401.84 | 1 | 58.39 | 1 | | 1 | | 1 | |
| 1/4 | 2,109.79 | 1/4 | 1,771.38 | 1/4 | 1,427.08 | 1/4 | 1,082.80 | 1/4 | 738.95 | 1/4 | 394.67 | 1/4 | 51.90 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,102.62 | 1/2 | 1,764.20 | 1/2 | 1,419.91 | 1/2 | 1,075.63 | 1/2 | 731.78 | 1/2 | 387.49 | 1/2 | 45.41 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,095.45 | 3/4 | 1,757.03 | 3/4 | 1,412.74 | 3/4 | 1,068.46 | 3/4 | 724.61 | 3/4 | 380.32 | 3/4 | 38.92 | 3/4 | | 3/4 | | 3/4 | |
| 1 | 2,088.27 | 1 | 1,749.86 | 1 | 1,405.56 | 1 | 1,061.29 | 1 | 717.43 | 1 | 373.15 | 1 | 33.98 | 1 | | 1 | | 1 | |
| 1/4 | 2,081.10 | 1/4 | 1,742.69 | 1/4 | 1,398.39 | 1/4 | 1,054.13 | 1/4 | 710.26 | 1/4 | 365.98 | 1/4 | 29.05 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,073.93 | 1/2 | 1,735.51 | 1/2 | 1,391.22 | 1/2 | 1,046.96 | 1/2 | 703.09 | 1/2 | 358.80 | 1/2 | 24.12 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,066.76 | 3/4 | 1,728.34 | 3/4 | 1,384.05 | 3/4 | 1,039.79 | 3/4 | 695.92 | 3/4 | 351.63 | 3/4 | 19.19 | 3/4 | | 3/4 | | 3/4 | |
| 1 | 2,059.59 | 1 | 1,721.17 | 1 | 1,376.87 | 1 | 1,032.63 | 1 | 688.74 | 1 | 344.46 | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 2,052.42 | 1/4 | 1,714.00 | 1/4 | 1,369.70 | 1/4 | 1,025.47 | 1/4 | 681.57 | 1/4 | 337.29 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,045.25 | 1/2 | 1,706.82 | 1/2 | 1,362.53 | 1/2 | 1,018.31 | 1/2 | 674.40 | 1/2 | 330.11 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,038.07 | 3/4 | 1,699.65 | 3/4 | 1,355.36 | 3/4 | 1,011.14 | 3/4 | 667.23 | 3/4 | 322.94 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 2,030.90 | 1 | 1,692.48 | 1 | 1,348.18 | 1 | 1,003.98 | 1 | 660.05 | 1 | 315.77 | 1 | | 1 | | 1 | | 1 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/01/2014 PMA
RECALCULATED: 10/10/2019
NAME CHANGE: 10/10/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

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



BARGE "KIRBY 27733"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 330"

GAUGE HEIGHT 16'-09 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 | | |
| | | | | | | | 4,328.75 | | 4,153.97 | | 3,967.51 | | 3,772.70 | | 3,535.65 | | 3,173.45 | | 2,810.55 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,325.10 | 1/4 | 4,150.21 | 1/4 | 3,963.51 | 1/4 | 3,768.64 | 1/4 | 3,528.11 | 1/4 | 3,165.89 | 1/4 | 2,802.99 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,321.57 | 1/2 | 4,146.43 | 1/2 | 3,959.49 | 1/2 | 3,764.57 | 1/2 | 3,520.58 | 1/2 | 3,158.33 | 1/2 | 2,795.43 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,318.04 | 3/4 | 4,142.65 | 3/4 | 3,955.47 | 3/4 | 3,760.50 | 3/4 | 3,513.04 | 3/4 | 3,150.77 | 3/4 | 2,787.87 | | |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4,314.51 | 1 | 4,138.86 | 1 | 3,951.45 | 1 | 3,756.44 | 1 | 3,505.50 | 1 | 3,143.21 | 1 | 2,780.31 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,310.97 | 1/4 | 4,135.08 | 1/4 | 3,947.43 | 1/4 | 3,752.37 | 1/4 | 3,497.96 | 1/4 | 3,135.65 | 1/4 | 2,772.74 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,307.43 | 1/2 | 4,131.28 | 1/2 | 3,943.39 | 1/2 | 3,748.30 | 1/2 | 3,490.42 | 1/2 | 3,128.09 | 1/2 | 2,765.18 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,303.88 | 3/4 | 4,127.49 | 3/4 | 3,939.35 | 3/4 | 3,744.23 | 3/4 | 3,482.88 | 3/4 | 3,120.53 | 3/4 | 2,757.62 | | |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4,300.33 | 2 | 4,123.69 | 2 | 3,935.31 | 2 | 3,740.17 | 2 | 3,475.35 | 2 | 3,112.98 | 2 | 2,750.06 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,296.78 | 1/4 | 4,119.89 | 1/4 | 3,931.27 | 1/4 | 3,736.10 | 1/4 | 3,467.81 | 1/4 | 3,105.42 | 1/4 | 2,742.50 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,293.22 | 1/2 | 4,116.07 | 1/2 | 3,927.22 | 1/2 | 3,732.03 | 1/2 | 3,460.27 | 1/2 | 3,097.86 | 1/2 | 2,734.94 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,289.65 | 3/4 | 4,112.25 | 3/4 | 3,923.16 | 3/4 | 3,727.96 | 3/4 | 3,452.73 | 3/4 | 3,090.30 | 3/4 | 2,727.37 | | |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4,286.08 | 3 | 4,108.44 | 3 | 3,919.11 | 3 | 3,723.90 | 3 | 3,445.19 | 3 | 3,082.74 | 3 | 2,719.81 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,282.51 | 1/4 | 4,104.62 | 1/4 | 3,915.05 | 1/4 | 3,719.83 | 1/4 | 3,437.66 | 1/4 | 3,075.18 | 1/4 | 2,712.25 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,278.92 | 1/2 | 4,100.79 | 1/2 | 3,910.98 | 1/2 | 3,715.76 | 1/2 | 3,430.12 | 1/2 | 3,067.62 | 1/2 | 2,704.69 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,275.34 | 3/4 | 4,096.95 | 3/4 | 3,906.92 | 3/4 | 3,711.70 | 3/4 | 3,422.58 | 3/4 | 3,060.06 | 3/4 | 2,697.13 | | |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4,271.75 | 4 | 4,093.12 | 4 | 3,902.85 | 4 | 3,707.63 | 4 | 3,415.04 | 4 | 3,052.50 | 4 | 2,689.57 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,268.16 | 1/4 | 4,089.28 | 1/4 | 3,898.79 | 1/4 | 3,703.56 | 1/4 | 3,407.50 | 1/4 | 3,044.95 | 1/4 | 2,682.00 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,264.56 | 1/2 | 4,085.43 | 1/2 | 3,894.72 | 1/2 | 3,699.49 | 1/2 | 3,399.96 | 1/2 | 3,037.39 | 1/2 | 2,674.44 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,260.95 | 3/4 | 4,081.57 | 3/4 | 3,890.65 | 3/4 | 3,695.43 | 3/4 | 3,392.43 | 3/4 | 3,029.83 | 3/4 | 2,666.88 | | |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4,257.34 | 5 | 4,077.72 | 5 | 3,886.59 | 5 | 3,691.36 | 5 | 3,384.89 | 5 | 3,022.27 | 5 | 2,659.32 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,253.74 | 1/4 | 4,073.87 | 1/4 | 3,882.52 | 1/4 | 3,687.29 | 1/4 | 3,377.35 | 1/4 | 3,014.71 | 1/4 | 2,651.76 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,250.12 | 1/2 | 4,069.99 | 1/2 | 3,878.45 | 1/2 | 3,683.23 | 1/2 | 3,369.81 | 1/2 | 3,007.15 | 1/2 | 2,644.19 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,246.49 | 3/4 | 4,066.12 | 3/4 | 3,874.38 | 3/4 | 3,679.16 | 3/4 | 3,362.27 | 3/4 | 2,999.59 | 3/4 | 2,636.62 | | |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 4,242.87 | 6 | 4,062.25 | 6 | 3,870.32 | 6 | 3,675.09 | 6 | 3,354.74 | 6 | 2,992.03 | 6 | 2,629.06 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,414.95 | 1/4 | 4,239.25 | 1/4 | 4,058.37 | 1/4 | 3,866.25 | 1/4 | 3,671.02 | 1/4 | 3,347.20 | 1/4 | 2,984.47 | 1/4 | 2,621.49 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,412.06 | 1/2 | 4,235.60 | 1/2 | 4,054.47 | 1/2 | 3,862.18 | 1/2 | 3,666.96 | 1/2 | 3,339.66 | 1/2 | 2,976.91 | 1/2 | 2,613.92 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,409.17 | 3/4 | 4,231.96 | 3/4 | 4,050.56 | 3/4 | 3,858.12 | 3/4 | 3,662.89 | 3/4 | 3,332.12 | 3/4 | 2,969.35 | 3/4 | 2,606.35 |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4,406.27 | 7 | 4,228.32 | 7 | 4,046.66 | 7 | 3,854.05 | 7 | 3,658.82 | 7 | 3,324.58 | 7 | 2,961.78 | 7 | 2,598.78 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,403.38 | 1/4 | 4,224.68 | 1/4 | 4,042.75 | 1/4 | 3,849.98 | 1/4 | 3,654.76 | 1/4 | 3,317.04 | 1/4 | 2,954.22 | 1/4 | 2,591.22 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,399.54 | 1/2 | 4,221.00 | 1/2 | 4,038.83 | 1/2 | 3,845.91 | 1/2 | 3,650.69 | 1/2 | 3,309.49 | 1/2 | 2,946.66 | 1/2 | 2,583.65 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,395.70 | 3/4 | 4,217.32 | 3/4 | 4,034.90 | 3/4 | 3,841.85 | 3/4 | 3,646.62 | 3/4 | 3,301.94 | 3/4 | 2,939.10 | 3/4 | 2,576.08 |
| 8 | 8 | 8 | 8 | 8 | 8 | 8 | 4,391.86 | 8 | 4,213.64 | 8 | 4,030.98 | 8 | 3,837.78 | 8 | 3,642.55 | 8 | 3,294.38 | 8 | 2,931.54 | 8 | 2,568.51 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,388.02 | 1/4 | 4,209.96 | 1/4 | 4,027.05 | 1/4 | 3,833.71 | 1/4 | 3,638.49 | 1/4 | 3,286.83 | 1/4 | 2,923.98 | 1/4 | 2,560.94 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,383.99 | 1/2 | 4,206.26 | 1/2 | 4,023.11 | 1/2 | 3,829.64 | 1/2 | 3,633.10 | 1/2 | 3,279.27 | 1/2 | 2,916.41 | 1/2 | 2,553.37 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,379.96 | 3/4 | 4,202.55 | 3/4 | 4,019.16 | 3/4 | 3,825.58 | 3/4 | 3,627.72 | 3/4 | 3,271.71 | 3/4 | 2,908.85 | 3/4 | 2,545.80 |
| 9 | 9 | 9 | 9 | 9 | 9 | 9 | 4,375.94 | 9 | 4,198.85 | 9 | 4,015.22 | 9 | 3,821.51 | 9 | 3,622.33 | 9 | 3,264.15 | 9 | 2,901.29 | 9 | 2,538.23 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,371.91 | 1/4 | 4,195.14 | 1/4 | 4,011.28 | 1/4 | 3,817.44 | 1/4 | 3,616.95 | 1/4 | 3,256.59 | 1/4 | 2,893.73 | 1/4 | 2,530.66 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,367.88 | 1/2 | 4,191.42 | 1/2 | 4,007.32 | 1/2 | 3,813.38 | 1/2 | 3,609.83 | 1/2 | 3,249.04 | 1/2 | 2,886.17 | 1/2 | 2,523.12 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,363.85 | 3/4 | 4,187.69 | 3/4 | 4,003.35 | 3/4 | 3,809.31 | 3/4 | 3,602.71 | 3/4 | 3,241.48 | 3/4 | 2,878.61 | 3/4 | 2,515.58 |
| 10 | 10 | 10 | 10 | 10 | 10 | 10 | 4,359.82 | 10 | 4,183.97 | 10 | 3,999.39 | 10 | 3,805.24 | 10 | 3,595.59 | 10 | 3,233.92 | 10 | 2,871.04 | 10 | 2,508.04 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,355.80 | 1/4 | 4,180.24 | 1/4 | 3,995.43 | 1/4 | 3,801.17 | 1/4 | 3,588.48 | 1/4 | 3,226.36 | 1/4 | 2,863.48 | 1/4 | 2,500.50 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,351.77 | 1/2 | 4,176.49 | 1/2 | 3,991.45 | 1/2 | 3,797.11 | 1/2 | 3,580.93 | 1/2 | 3,218.80 | 1/2 | 2,855.92 | 1/2 | 2,492.97 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,347.74 | 3/4 | 4,172.75 | 3/4 | 3,987.47 | 3/4 | 3,793.04 | 3/4 | 3,573.38 | 3/4 | 3,211.24 | 3/4 | 2,848.36 | 3/4 | 2,485.44 |
| 11 | 11 | 11 | 11 | 11 | 11 | 11 | 4,343.71 | 11 | 4,169.00 | 11 | 3,983.49 | 11 | 3,788.97 | 11 | 3,565.83 | 11 | 3,203.68 | 11 | 2,840.80 | 11 | 2,477.91 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,339.68 | 1/4 | 4,165.26 | 1/4 | 3,979.51 | 1/4 | 3,784.91 | 1/4 | 3,558.28 | 1/4 | 3,196.12 | 1/4 | 2,833.24 | 1/4 | 2,470.38 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,336.04 | 1/2 | 4,161.50 | 1/2 | 3,975.51 | 1/2 | 3,780.84 | 1/2 | 3,550.74 | 1/2 | 3,188.56 | 1/2 | 2,825.68 | 1/2 | 2,462.85 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,332.39 | 3/4 | 4,157.73 | 3/4 | 3,971.51 | 3/4 | 3,776.77 | 3/4 | 3,543.20 | 3/4 | 3,181.01 | 3/4 | 2,818.11 | 3/4 | 2,455.32 |

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-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 27733"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 330"

GAUGE HEIGHT 16'-09 1/4"

| 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | | 16 FT. | | 17 FT. | | 18 FT. | | 19 FT. | |
|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|--------|--------|--------|--------|-----|--------|-----|--------|-----|
| 0 | 2,447.79 | 0 | 2,086.96 | 0 | 1,731.15 | 0 | 1,367.77 | 0 | 1,010.14 | 0 | 651.70 | 0 | 288.16 | 0 | | 0 | | 0 | |
| 1/4 | 2,440.26 | 1/4 | 2,079.46 | 1/4 | 1,723.58 | 1/4 | 1,360.20 | 1/4 | 1,002.80 | 1/4 | 644.13 | 1/4 | 280.59 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,432.73 | 1/2 | 2,072.49 | 1/2 | 1,716.01 | 1/2 | 1,352.63 | 1/2 | 995.46 | 1/2 | 636.55 | 1/2 | 273.01 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,425.20 | 3/4 | 2,065.52 | 3/4 | 1,708.44 | 3/4 | 1,345.06 | 3/4 | 988.12 | 3/4 | 628.98 | 3/4 | 265.44 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 1 | 2,417.67 | 1 | 2,058.55 | 1 | 1,700.87 | 1 | 1,337.49 | 1 | 980.78 | 1 | 621.40 | 1 | 257.87 | 1 | 1 | | 1 | | 1 |
| 1/4 | 2,410.14 | 1/4 | 2,051.58 | 1/4 | 1,693.30 | 1/4 | 1,329.92 | 1/4 | 973.44 | 1/4 | 613.83 | 1/4 | 250.30 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,402.61 | 1/2 | 2,044.79 | 1/2 | 1,685.73 | 1/2 | 1,322.35 | 1/2 | 966.10 | 1/2 | 606.26 | 1/2 | 242.72 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,395.08 | 3/4 | 2,038.01 | 3/4 | 1,678.16 | 3/4 | 1,314.78 | 3/4 | 958.75 | 3/4 | 598.68 | 3/4 | 235.15 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 2 | 2,387.55 | 2 | 2,031.22 | 2 | 1,670.59 | 2 | 1,307.21 | 2 | 951.41 | 2 | 591.11 | 2 | 227.57 | 2 | 2 | | 2 | | 2 |
| 1/4 | 2,380.02 | 1/4 | 2,024.43 | 1/4 | 1,663.02 | 1/4 | 1,299.64 | 1/4 | 944.07 | 1/4 | 583.53 | 1/4 | 220.00 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,372.49 | 1/2 | 2,017.13 | 1/2 | 1,655.45 | 1/2 | 1,292.07 | 1/2 | 936.73 | 1/2 | 575.96 | 1/2 | 212.42 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,364.96 | 3/4 | 2,009.83 | 3/4 | 1,647.88 | 3/4 | 1,284.50 | 3/4 | 929.39 | 3/4 | 568.38 | 3/4 | 204.85 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 3 | 2,357.43 | 3 | 2,002.52 | 3 | 1,640.30 | 3 | 1,276.93 | 3 | 922.05 | 3 | 560.81 | 3 | 197.28 | 3 | 3 | | 3 | | 3 |
| 1/4 | 2,349.90 | 1/4 | 1,995.22 | 1/4 | 1,632.73 | 1/4 | 1,269.36 | 1/4 | 914.71 | 1/4 | 553.23 | 1/4 | 189.70 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,342.36 | 1/2 | 1,987.75 | 1/2 | 1,625.16 | 1/2 | 1,261.78 | 1/2 | 907.37 | 1/2 | 545.66 | 1/2 | 182.13 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,334.83 | 3/4 | 1,980.28 | 3/4 | 1,617.59 | 3/4 | 1,254.21 | 3/4 | 900.03 | 3/4 | 538.09 | 3/4 | 174.55 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 4 | 2,327.30 | 4 | 1,972.81 | 4 | 1,610.02 | 4 | 1,246.64 | 4 | 892.69 | 4 | 530.51 | 4 | 166.98 | 4 | 4 | | 4 | | 4 |
| 1/4 | 2,319.77 | 1/4 | 1,965.33 | 1/4 | 1,602.45 | 1/4 | 1,239.07 | 1/4 | 885.34 | 1/4 | 522.94 | 1/4 | 159.40 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,312.24 | 1/2 | 1,957.86 | 1/2 | 1,594.88 | 1/2 | 1,231.50 | 1/2 | 878.00 | 1/2 | 515.36 | 1/2 | 151.83 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,304.71 | 3/4 | 1,950.39 | 3/4 | 1,587.31 | 3/4 | 1,223.93 | 3/4 | 870.66 | 3/4 | 507.79 | 3/4 | 144.25 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 5 | 2,297.18 | 5 | 1,942.92 | 5 | 1,579.74 | 5 | 1,216.36 | 5 | 863.32 | 5 | 500.21 | 5 | 136.68 | 5 | 5 | | 5 | | 5 |
| 1/4 | 2,289.65 | 1/4 | 1,935.45 | 1/4 | 1,572.17 | 1/4 | 1,208.79 | 1/4 | 855.98 | 1/4 | 492.64 | 1/4 | 129.10 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,282.14 | 1/2 | 1,927.90 | 1/2 | 1,564.60 | 1/2 | 1,201.38 | 1/2 | 848.46 | 1/2 | 485.06 | 1/2 | 121.53 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,274.63 | 3/4 | 1,920.36 | 3/4 | 1,557.03 | 3/4 | 1,193.97 | 3/4 | 840.95 | 3/4 | 477.49 | 3/4 | 113.96 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 6 | 2,267.12 | 6 | 1,912.81 | 6 | 1,549.46 | 6 | 1,186.55 | 6 | 833.43 | 6 | 469.92 | 6 | 106.39 | 6 | 6 | | 6 | | 6 |
| 1/4 | 2,259.60 | 1/4 | 1,905.27 | 1/4 | 1,541.89 | 1/4 | 1,179.14 | 1/4 | 825.92 | 1/4 | 462.34 | 1/4 | 98.81 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,252.10 | 1/2 | 1,897.70 | 1/2 | 1,534.32 | 1/2 | 1,171.78 | 1/2 | 818.34 | 1/2 | 454.77 | 1/2 | 91.26 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,244.59 | 3/4 | 1,890.13 | 3/4 | 1,526.75 | 3/4 | 1,164.42 | 3/4 | 810.77 | 3/4 | 447.20 | 3/4 | 83.70 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 7 | 2,237.08 | 7 | 1,882.56 | 7 | 1,519.18 | 7 | 1,157.06 | 7 | 803.19 | 7 | 439.62 | 7 | 76.15 | 7 | 7 | | 7 | | 7 |
| 1/4 | 2,229.58 | 1/4 | 1,874.99 | 1/4 | 1,511.61 | 1/4 | 1,149.70 | 1/4 | 795.62 | 1/4 | 432.05 | 1/4 | 68.60 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,222.07 | 1/2 | 1,867.42 | 1/2 | 1,504.04 | 1/2 | 1,142.35 | 1/2 | 788.04 | 1/2 | 424.48 | 1/2 | 61.73 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,214.57 | 3/4 | 1,859.85 | 3/4 | 1,496.47 | 3/4 | 1,135.00 | 3/4 | 780.47 | 3/4 | 416.90 | 3/4 | 54.87 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 8 | 2,207.06 | 8 | 1,852.28 | 8 | 1,488.90 | 8 | 1,127.64 | 8 | 772.89 | 8 | 409.33 | 8 | 48.00 | 8 | 8 | | 8 | | 8 |
| 1/4 | 2,199.55 | 1/4 | 1,844.71 | 1/4 | 1,481.33 | 1/4 | 1,120.29 | 1/4 | 765.32 | 1/4 | 401.76 | 1/4 | 41.14 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,192.05 | 1/2 | 1,837.14 | 1/2 | 1,473.76 | 1/2 | 1,112.94 | 1/2 | 757.75 | 1/2 | 394.18 | 1/2 | 35.92 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,184.54 | 3/4 | 1,829.56 | 3/4 | 1,466.19 | 3/4 | 1,105.60 | 3/4 | 750.17 | 3/4 | 386.61 | 3/4 | 30.71 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 9 | 2,177.04 | 9 | 1,821.99 | 9 | 1,458.62 | 9 | 1,098.25 | 9 | 742.60 | 9 | 379.04 | 9 | 25.49 | 9 | 9 | | 9 | | 9 |
| 1/4 | 2,169.53 | 1/4 | 1,814.42 | 1/4 | 1,451.04 | 1/4 | 1,090.90 | 1/4 | 735.02 | 1/4 | 371.47 | 1/4 | 20.28 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,162.02 | 1/2 | 1,806.85 | 1/2 | 1,443.47 | 1/2 | 1,083.56 | 1/2 | 727.45 | 1/2 | 363.89 | 1/2 | | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,154.52 | 3/4 | 1,799.28 | 3/4 | 1,435.90 | 3/4 | 1,076.21 | 3/4 | 719.87 | 3/4 | 356.32 | 3/4 | | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 10 | 2,147.01 | 10 | 1,791.71 | 10 | 1,428.33 | 10 | 1,068.87 | 10 | 712.30 | 10 | 348.75 | 10 | | 10 | 10 | | 10 | | 10 |
| 1/4 | 2,139.51 | 1/4 | 1,784.14 | 1/4 | 1,420.76 | 1/4 | 1,061.53 | 1/4 | 704.72 | 1/4 | 341.17 | 1/4 | | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,132.00 | 1/2 | 1,776.57 | 1/2 | 1,413.19 | 1/2 | 1,054.19 | 1/2 | 697.15 | 1/2 | 333.60 | 1/2 | | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,124.49 | 3/4 | 1,769.00 | 3/4 | 1,405.62 | 3/4 | 1,046.85 | 3/4 | 689.58 | 3/4 | 326.03 | 3/4 | | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 11 | 2,116.99 | 11 | 1,761.43 | 11 | 1,398.05 | 11 | 1,039.51 | 11 | 682.00 | 11 | 318.45 | 11 | | 11 | 11 | | 11 | | 11 |
| 1/4 | 2,109.48 | 1/4 | 1,753.86 | 1/4 | 1,390.48 | 1/4 | 1,032.16 | 1/4 | 674.43 | 1/4 | 310.88 | 1/4 | | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,101.98 | 1/2 | 1,746.29 | 1/2 | 1,382.91 | 1/2 | 1,024.82 | 1/2 | 666.85 | 1/2 | 303.31 | 1/2 | | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,094.47 | 3/4 | 1,738.72 | 3/4 | 1,375.34 | 3/4 | 1,017.48 | 3/4 | 659.28 | 3/4 | 295.73 | 3/4 | | 3/4 | 3/4 | | 3/4 | | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/01/2014 PMA
RECALCULATED: 10/10/2019
NAME CHANGE: 10/10/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

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



BARGE "KIRBY 27733"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 330"

GAUGE HEIGHT 16'-09 3/4"

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | |
|-------|-----|-------|-----|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| 0 | | 0 | | 0 | | 0 | 4,357.96 | 0 | 4,183.56 | 0 | 3,997.70 | 0 | 3,803.14 | 0 | 3,573.07 | 0 | 3,210.04 | 0 | 2,846.28 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,354.32 | 1/4 | 4,179.80 | 1/4 | 3,993.70 | 1/4 | 3,799.08 | 1/4 | 3,565.51 | 1/4 | 3,202.46 | 1/4 | 2,838.70 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,350.67 | 1/2 | 4,176.04 | 1/2 | 3,989.70 | 1/2 | 3,795.01 | 1/2 | 3,557.95 | 1/2 | 3,194.88 | 1/2 | 2,831.12 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,347.03 | 3/4 | 4,172.28 | 3/4 | 3,985.70 | 3/4 | 3,790.95 | 3/4 | 3,550.40 | 3/4 | 3,187.31 | 3/4 | 2,823.54 |
| 1 | | 1 | | 1 | | 1 | 4,343.50 | 1 | 4,168.50 | 1 | 3,981.69 | 1 | 3,786.88 | 1 | 3,542.84 | 1 | 3,179.73 | 1 | 2,815.96 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,339.97 | 1/4 | 4,164.72 | 1/4 | 3,977.67 | 1/4 | 3,782.82 | 1/4 | 3,535.29 | 1/4 | 3,172.15 | 1/4 | 2,808.38 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,336.45 | 1/2 | 4,160.94 | 1/2 | 3,973.65 | 1/2 | 3,778.75 | 1/2 | 3,527.73 | 1/2 | 3,164.58 | 1/2 | 2,800.80 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,332.92 | 3/4 | 4,157.16 | 3/4 | 3,969.63 | 3/4 | 3,774.69 | 3/4 | 3,520.17 | 3/4 | 3,157.00 | 3/4 | 2,793.22 |
| 2 | | 2 | | 2 | | 2 | 4,329.37 | 2 | 4,153.37 | 2 | 3,965.60 | 2 | 3,770.62 | 2 | 3,512.62 | 2 | 3,149.42 | 2 | 2,785.65 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,325.83 | 1/4 | 4,149.57 | 1/4 | 3,961.56 | 1/4 | 3,766.56 | 1/4 | 3,505.06 | 1/4 | 3,141.85 | 1/4 | 2,778.07 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,322.28 | 1/2 | 4,145.78 | 1/2 | 3,957.52 | 1/2 | 3,762.49 | 1/2 | 3,497.50 | 1/2 | 3,134.27 | 1/2 | 2,770.49 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,318.74 | 3/4 | 4,141.98 | 3/4 | 3,953.49 | 3/4 | 3,758.43 | 3/4 | 3,489.95 | 3/4 | 3,126.69 | 3/4 | 2,762.91 |
| 3 | | 3 | | 3 | | 3 | 4,315.17 | 3 | 4,138.17 | 3 | 3,949.44 | 3 | 3,754.36 | 3 | 3,482.39 | 3 | 3,119.11 | 3 | 2,755.33 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,311.61 | 1/4 | 4,134.35 | 1/4 | 3,945.38 | 1/4 | 3,750.30 | 1/4 | 3,474.84 | 1/4 | 3,111.54 | 1/4 | 2,747.75 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,308.04 | 1/2 | 4,130.54 | 1/2 | 3,941.33 | 1/2 | 3,746.23 | 1/2 | 3,467.28 | 1/2 | 3,103.96 | 1/2 | 2,740.17 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,304.48 | 3/4 | 4,126.72 | 3/4 | 3,937.27 | 3/4 | 3,742.17 | 3/4 | 3,459.72 | 3/4 | 3,096.38 | 3/4 | 2,732.59 |
| 4 | | 4 | | 4 | | 4 | 4,300.89 | 4 | 4,122.89 | 4 | 3,933.21 | 4 | 3,738.10 | 4 | 3,452.17 | 4 | 3,088.81 | 4 | 2,725.01 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,297.31 | 1/4 | 4,119.06 | 1/4 | 3,929.15 | 1/4 | 3,734.04 | 1/4 | 3,444.61 | 1/4 | 3,081.23 | 1/4 | 2,717.43 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,293.72 | 1/2 | 4,115.23 | 1/2 | 3,925.08 | 1/2 | 3,729.97 | 1/2 | 3,437.05 | 1/2 | 3,073.65 | 1/2 | 2,709.85 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,290.14 | 3/4 | 4,111.39 | 3/4 | 3,921.02 | 3/4 | 3,725.91 | 3/4 | 3,429.50 | 3/4 | 3,066.08 | 3/4 | 2,702.27 |
| 5 | | 5 | | 5 | | 5 | 4,286.54 | 5 | 4,107.54 | 5 | 3,916.95 | 5 | 3,721.84 | 5 | 3,421.94 | 5 | 3,058.50 | 5 | 2,694.69 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,282.94 | 1/4 | 4,103.69 | 1/4 | 3,912.89 | 1/4 | 3,717.78 | 1/4 | 3,414.39 | 1/4 | 3,050.92 | 1/4 | 2,687.11 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,279.33 | 1/2 | 4,099.84 | 1/2 | 3,908.83 | 1/2 | 3,713.71 | 1/2 | 3,406.83 | 1/2 | 3,043.35 | 1/2 | 2,679.53 |
| 3/4 | | 3/4 | | 3/4 | | 3/4 | 4,275.73 | 3/4 | 4,095.99 | 3/4 | 3,904.76 | 3/4 | 3,709.65 | 3/4 | 3,399.27 | 3/4 | 3,035.77 | 3/4 | 2,671.95 |
| 6 | | 6 | | 6 | | 6 | 4,272.11 | 6 | 4,092.12 | 6 | 3,900.70 | 6 | 3,705.59 | 6 | 3,391.72 | 6 | 3,028.19 | 6 | 2,664.37 |
| 1/4 | | 1/4 | | 1/4 | | 1/4 | 4,268.49 | 1/4 | 4,088.25 | 1/4 | 3,896.63 | 1/4 | 3,701.52 | 1/4 | 3,384.16 | 1/4 | 3,020.61 | 1/4 | 2,656.78 |
| 1/2 | | 1/2 | | 1/2 | | 1/2 | 4,264.87 | 1/2 | 4,084.38 | 1/2 | 3,892.57 | 1/2 | 3,697.46 | 1/2 | 3,376.61 | 1/2 | 3,013.03 | 1/2 | 2,649.19 |
| 3/4 | | 3/4 | | 3/4 | 4,436.81 | 3/4 | 4,261.25 | 3/4 | 4,080.51 | 3/4 | 3,888.50 | 3/4 | 3,693.39 | 3/4 | 3,369.05 | 3/4 | 3,005.45 | 3/4 | 2,641.61 |
| 7 | | 7 | | 7 | 4,433.92 | 7 | 4,257.61 | 7 | 4,076.60 | 7 | 3,884.44 | 7 | 3,689.33 | 7 | 3,361.49 | 7 | 2,997.87 | 7 | 2,634.02 |
| 1/4 | | 1/4 | | 1/4 | 4,431.04 | 1/4 | 4,253.97 | 1/4 | 4,072.70 | 1/4 | 3,880.37 | 1/4 | 3,685.26 | 1/4 | 3,353.94 | 1/4 | 2,990.29 | 1/4 | 2,626.44 |
| 1/2 | | 1/2 | | 1/2 | 4,428.15 | 1/2 | 4,250.33 | 1/2 | 4,068.80 | 1/2 | 3,876.31 | 1/2 | 3,681.20 | 1/2 | 3,346.38 | 1/2 | 2,982.71 | 1/2 | 2,618.85 |
| 3/4 | | 3/4 | | 3/4 | 4,425.26 | 3/4 | 4,246.70 | 3/4 | 4,064.90 | 3/4 | 3,872.24 | 3/4 | 3,677.13 | 3/4 | 3,338.82 | 3/4 | 2,975.14 | 3/4 | 2,611.26 |
| 8 | | 8 | | 8 | 4,421.42 | 8 | 4,243.02 | 8 | 4,060.98 | 8 | 3,868.18 | 8 | 3,673.07 | 8 | 3,331.25 | 8 | 2,967.56 | 8 | 2,603.68 |
| 1/4 | | 1/4 | | 1/4 | 4,417.59 | 1/4 | 4,239.34 | 1/4 | 4,057.05 | 1/4 | 3,864.11 | 1/4 | 3,669.00 | 1/4 | 3,323.68 | 1/4 | 2,959.98 | 1/4 | 2,596.09 |
| 1/2 | | 1/2 | | 1/2 | 4,413.75 | 1/2 | 4,235.66 | 1/2 | 4,053.13 | 1/2 | 3,860.05 | 1/2 | 3,664.94 | 1/2 | 3,316.11 | 1/2 | 2,952.40 | 1/2 | 2,588.50 |
| 3/4 | | 3/4 | | 3/4 | 4,409.91 | 3/4 | 4,231.99 | 3/4 | 4,049.21 | 3/4 | 3,855.98 | 3/4 | 3,660.87 | 3/4 | 3,308.54 | 3/4 | 2,944.82 | 3/4 | 2,580.92 |
| 9 | | 9 | | 9 | 4,405.89 | 9 | 4,228.29 | 9 | 4,045.27 | 9 | 3,851.92 | 9 | 3,655.49 | 9 | 3,300.96 | 9 | 2,937.24 | 9 | 2,573.33 |
| 1/4 | | 1/4 | | 1/4 | 4,401.86 | 1/4 | 4,224.58 | 1/4 | 4,041.32 | 1/4 | 3,847.85 | 1/4 | 3,650.11 | 1/4 | 3,293.38 | 1/4 | 2,929.66 | 1/4 | 2,565.74 |
| 1/2 | | 1/2 | | 1/2 | 4,397.83 | 1/2 | 4,220.88 | 1/2 | 4,037.38 | 1/2 | 3,843.79 | 1/2 | 3,644.72 | 1/2 | 3,285.81 | 1/2 | 2,922.08 | 1/2 | 2,558.15 |
| 3/4 | | 3/4 | | 3/4 | 4,393.81 | 3/4 | 4,217.18 | 3/4 | 4,033.44 | 3/4 | 3,839.72 | 3/4 | 3,639.34 | 3/4 | 3,278.23 | 3/4 | 2,914.50 | 3/4 | 2,550.57 |
| 10 | | 10 | | 10 | 4,389.78 | 10 | 4,213.46 | 10 | 4,029.48 | 10 | 3,835.66 | 10 | 3,632.22 | 10 | 3,270.65 | 10 | 2,906.92 | 10 | 2,542.98 |
| 1/4 | | 1/4 | | 1/4 | 4,385.76 | 1/4 | 4,209.73 | 1/4 | 4,025.52 | 1/4 | 3,831.59 | 1/4 | 3,625.09 | 1/4 | 3,263.08 | 1/4 | 2,899.34 | 1/4 | 2,535.39 |
| 1/2 | | 1/2 | | 1/2 | 4,381.73 | 1/2 | 4,206.01 | 1/2 | 4,021.56 | 1/2 | 3,827.53 | 1/2 | 3,617.97 | 1/2 | 3,255.50 | 1/2 | 2,891.76 | 1/2 | 2,527.81 |
| 3/4 | | 3/4 | | 3/4 | 4,377.71 | 3/4 | 4,202.29 | 3/4 | 4,017.61 | 3/4 | 3,823.46 | 3/4 | 3,610.85 | 3/4 | 3,247.92 | 3/4 | 2,884.18 | 3/4 | 2,520.22 |
| 11 | | 11 | | 11 | 4,373.68 | 11 | 4,198.55 | 11 | 4,013.63 | 11 | 3,819.40 | 11 | 3,603.29 | 11 | 3,240.35 | 11 | 2,876.60 | 11 | 2,512.63 |
| 1/4 | | 1/4 | | 1/4 | 4,369.65 | 1/4 | 4,194.80 | 1/4 | 4,009.65 | 1/4 | 3,815.33 | 1/4 | 3,595.74 | 1/4 | 3,232.77 | 1/4 | 2,869.02 | 1/4 | 2,505.05 |
| 1/2 | | 1/2 | | 1/2 | 4,365.63 | 1/2 | 4,191.06 | 1/2 | 4,005.67 | 1/2 | 3,811.27 | 1/2 | 3,588.18 | 1/2 | 3,225.19 | 1/2 | 2,861.44 | 1/2 | 2,497.46 |
| 3/4 | | 3/4 | | 3/4 | 4,361.60 | 3/4 | 4,187.32 | 3/4 | 4,001.70 | 3/4 | 3,807.21 | 3/4 | 3,580.62 | 3/4 | 3,217.61 | 3/4 | 2,853.86 | 3/4 | 2,489.87 |

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-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 27733"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 330"

GAUGE HEIGHT 16'-09 3/4"

| 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | | 16 FT. | | 17 FT. | | 18 FT. | | 19 FT. | |
|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|--------|--------|--------|--------|--------|-----|--------|-----|--------|-----|
| 0 | 2,482.29 | 0 | 2,118.12 | 0 | 1,760.06 | 0 | 1,395.83 | 0 | 1,031.78 | 0 | 667.92 | 0 | 303.69 | 0 | | 0 | | 0 | |
| 1/4 | 2,474.70 | 1/4 | 2,110.53 | 1/4 | 1,752.48 | 1/4 | 1,388.24 | 1/4 | 1,024.21 | 1/4 | 660.33 | 1/4 | 296.10 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,467.11 | 1/2 | 2,102.95 | 1/2 | 1,744.89 | 1/2 | 1,380.65 | 1/2 | 1,016.64 | 1/2 | 652.74 | 1/2 | 288.51 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,459.53 | 3/4 | 2,095.36 | 3/4 | 1,737.30 | 3/4 | 1,373.07 | 3/4 | 1,009.06 | 3/4 | 645.15 | 3/4 | 280.93 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 1 | 2,451.94 | 1 | 2,088.31 | 1 | 1,729.71 | 1 | 1,365.48 | 1 | 1,001.49 | 1 | 637.57 | 1 | 273.34 | 1 | 1 | | 1 | | 1 |
| 1/4 | 2,444.35 | 1/4 | 2,081.26 | 1/4 | 1,722.12 | 1/4 | 1,357.89 | 1/4 | 993.92 | 1/4 | 629.98 | 1/4 | 265.75 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,436.77 | 1/2 | 2,074.21 | 1/2 | 1,714.53 | 1/2 | 1,350.30 | 1/2 | 986.34 | 1/2 | 622.39 | 1/2 | 258.16 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,429.18 | 3/4 | 2,067.17 | 3/4 | 1,706.95 | 3/4 | 1,342.71 | 3/4 | 978.77 | 3/4 | 614.80 | 3/4 | 250.57 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 2 | 2,421.59 | 2 | 2,060.30 | 2 | 1,699.36 | 2 | 1,335.13 | 2 | 971.20 | 2 | 607.21 | 2 | 242.99 | 2 | 2 | | 2 | | 2 |
| 1/4 | 2,414.01 | 1/4 | 2,053.43 | 1/4 | 1,691.77 | 1/4 | 1,327.54 | 1/4 | 963.62 | 1/4 | 599.63 | 1/4 | 235.40 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,406.42 | 1/2 | 2,046.56 | 1/2 | 1,684.18 | 1/2 | 1,319.95 | 1/2 | 956.05 | 1/2 | 592.04 | 1/2 | 227.81 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,398.83 | 3/4 | 2,039.69 | 3/4 | 1,676.59 | 3/4 | 1,312.36 | 3/4 | 948.48 | 3/4 | 584.45 | 3/4 | 220.22 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 3 | 2,391.25 | 3 | 2,032.31 | 3 | 1,669.01 | 3 | 1,304.77 | 3 | 940.91 | 3 | 576.86 | 3 | 212.63 | 3 | 3 | | 3 | | 3 |
| 1/4 | 2,383.66 | 1/4 | 2,024.93 | 1/4 | 1,661.42 | 1/4 | 1,297.18 | 1/4 | 933.33 | 1/4 | 569.27 | 1/4 | 205.04 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,376.07 | 1/2 | 2,017.55 | 1/2 | 1,653.83 | 1/2 | 1,289.60 | 1/2 | 925.76 | 1/2 | 561.69 | 1/2 | 197.46 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,368.48 | 3/4 | 2,010.16 | 3/4 | 1,646.24 | 3/4 | 1,282.01 | 3/4 | 918.19 | 3/4 | 554.10 | 3/4 | 189.87 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 4 | 2,360.90 | 4 | 2,002.61 | 4 | 1,638.65 | 4 | 1,274.42 | 4 | 910.61 | 4 | 546.51 | 4 | 182.28 | 4 | 4 | | 4 | | 4 |
| 1/4 | 2,353.31 | 1/4 | 1,995.06 | 1/4 | 1,631.06 | 1/4 | 1,266.83 | 1/4 | 903.04 | 1/4 | 538.92 | 1/4 | 174.69 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,345.72 | 1/2 | 1,987.51 | 1/2 | 1,623.48 | 1/2 | 1,259.24 | 1/2 | 895.47 | 1/2 | 531.33 | 1/2 | 167.10 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,338.14 | 3/4 | 1,979.95 | 3/4 | 1,615.89 | 3/4 | 1,251.65 | 3/4 | 887.89 | 3/4 | 523.75 | 3/4 | 159.52 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 5 | 2,330.55 | 5 | 1,972.40 | 5 | 1,608.30 | 5 | 1,244.07 | 5 | 880.32 | 5 | 516.16 | 5 | 151.93 | 5 | 5 | | 5 | | 5 |
| 1/4 | 2,322.96 | 1/4 | 1,964.85 | 1/4 | 1,600.71 | 1/4 | 1,236.48 | 1/4 | 872.75 | 1/4 | 508.57 | 1/4 | 144.34 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,315.38 | 1/2 | 1,957.29 | 1/2 | 1,593.12 | 1/2 | 1,228.89 | 1/2 | 865.18 | 1/2 | 500.98 | 1/2 | 136.76 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,307.79 | 3/4 | 1,949.74 | 3/4 | 1,585.54 | 3/4 | 1,221.30 | 3/4 | 857.60 | 3/4 | 493.39 | 3/4 | 129.17 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 6 | 2,300.20 | 6 | 1,942.16 | 6 | 1,577.95 | 6 | 1,213.71 | 6 | 850.02 | 6 | 485.80 | 6 | 121.59 | 6 | 6 | | 6 | | 6 |
| 1/4 | 2,292.62 | 1/4 | 1,934.58 | 1/4 | 1,570.36 | 1/4 | 1,206.13 | 1/4 | 842.44 | 1/4 | 478.22 | 1/4 | 114.01 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,285.03 | 1/2 | 1,927.00 | 1/2 | 1,562.77 | 1/2 | 1,198.54 | 1/2 | 834.85 | 1/2 | 470.63 | 1/2 | 106.43 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,277.44 | 3/4 | 1,919.42 | 3/4 | 1,555.18 | 3/4 | 1,190.95 | 3/4 | 827.27 | 3/4 | 463.04 | 3/4 | 98.85 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 7 | 2,269.86 | 7 | 1,911.83 | 7 | 1,547.59 | 7 | 1,183.36 | 7 | 819.68 | 7 | 455.45 | 7 | 91.29 | 7 | 7 | | 7 | | 7 |
| 1/4 | 2,262.27 | 1/4 | 1,904.24 | 1/4 | 1,540.01 | 1/4 | 1,175.77 | 1/4 | 812.09 | 1/4 | 447.86 | 1/4 | 83.73 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,254.68 | 1/2 | 1,896.65 | 1/2 | 1,532.42 | 1/2 | 1,168.18 | 1/2 | 804.50 | 1/2 | 440.28 | 1/2 | 76.18 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,247.10 | 3/4 | 1,889.06 | 3/4 | 1,524.83 | 3/4 | 1,160.60 | 3/4 | 796.92 | 3/4 | 432.69 | 3/4 | 68.62 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 8 | 2,239.51 | 8 | 1,881.48 | 8 | 1,517.24 | 8 | 1,153.01 | 8 | 789.33 | 8 | 425.10 | 8 | 61.75 | 8 | 8 | | 8 | | 8 |
| 1/4 | 2,231.92 | 1/4 | 1,873.89 | 1/4 | 1,509.65 | 1/4 | 1,145.43 | 1/4 | 781.74 | 1/4 | 417.51 | 1/4 | 54.89 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,224.34 | 1/2 | 1,866.30 | 1/2 | 1,502.07 | 1/2 | 1,137.85 | 1/2 | 774.15 | 1/2 | 409.92 | 1/2 | 48.02 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,216.75 | 3/4 | 1,858.71 | 3/4 | 1,494.48 | 3/4 | 1,130.27 | 3/4 | 766.56 | 3/4 | 402.34 | 3/4 | 41.15 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 9 | 2,209.16 | 9 | 1,851.12 | 9 | 1,486.89 | 9 | 1,122.69 | 9 | 758.98 | 9 | 394.75 | 9 | 35.94 | 9 | 9 | | 9 | | 9 |
| 1/4 | 2,201.58 | 1/4 | 1,843.53 | 1/4 | 1,479.30 | 1/4 | 1,115.11 | 1/4 | 751.39 | 1/4 | 387.16 | 1/4 | 30.72 | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,193.99 | 1/2 | 1,835.95 | 1/2 | 1,471.71 | 1/2 | 1,107.53 | 1/2 | 743.80 | 1/2 | 379.57 | 1/2 | 25.50 | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,186.40 | 3/4 | 1,828.36 | 3/4 | 1,464.12 | 3/4 | 1,099.95 | 3/4 | 736.21 | 3/4 | 371.98 | 3/4 | 20.28 | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 10 | 2,178.81 | 10 | 1,820.77 | 10 | 1,456.54 | 10 | 1,092.37 | 10 | 728.62 | 10 | 364.40 | 10 | | 10 | 10 | | 10 | | 10 |
| 1/4 | 2,171.23 | 1/4 | 1,813.18 | 1/4 | 1,448.95 | 1/4 | 1,084.80 | 1/4 | 721.04 | 1/4 | 356.81 | 1/4 | | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,163.64 | 1/2 | 1,805.59 | 1/2 | 1,441.36 | 1/2 | 1,077.22 | 1/2 | 713.45 | 1/2 | 349.22 | 1/2 | | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,156.05 | 3/4 | 1,798.01 | 3/4 | 1,433.77 | 3/4 | 1,069.65 | 3/4 | 705.86 | 3/4 | 341.63 | 3/4 | | 3/4 | 3/4 | | 3/4 | | 3/4 |
| 11 | 2,148.47 | 11 | 1,790.42 | 11 | 1,426.18 | 11 | 1,062.07 | 11 | 698.27 | 11 | 334.04 | 11 | | 11 | 11 | | 11 | | 11 |
| 1/4 | 2,140.88 | 1/4 | 1,782.83 | 1/4 | 1,418.60 | 1/4 | 1,054.50 | 1/4 | 690.68 | 1/4 | 326.45 | 1/4 | | 1/4 | 1/4 | | 1/4 | | 1/4 |
| 1/2 | 2,133.29 | 1/2 | 1,775.24 | 1/2 | 1,411.01 | 1/2 | 1,046.93 | 1/2 | 683.10 | 1/2 | 318.87 | 1/2 | | 1/2 | 1/2 | | 1/2 | | 1/2 |
| 3/4 | 2,125.71 | 3/4 | 1,767.65 | 3/4 | 1,403.42 | 3/4 | 1,039.35 | 3/4 | 675.51 | 3/4 | 311.28 | 3/4 | | 3/4 | 3/4 | | 3/4 | | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/01/2014 PMA
RECALCULATED: 10/10/2019
NAME CHANGE: 10/10/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

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



BARGE "KIRBY 27733"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "CTCO 330"

GAUGE HEIGHT 6'-11"

| 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 | 1,625 | 0 | 3,250 | 0 | 4,875 | 0 | 6,501 | 0 | 8,126 | 0 | 9,751 | 0 | | 0 | | 0 | |
| 1/4 | 34 | 1/4 | 1,659 | 1/4 | 3,284 | 1/4 | 4,909 | 1/4 | 6,534 | 1/4 | 8,160 | 1/4 | 9,785 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 68 | 1/2 | 1,693 | 1/2 | 3,318 | 1/2 | 4,943 | 1/2 | 6,568 | 1/2 | 8,193 | 1/2 | 9,819 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 102 | 3/4 | 1,727 | 3/4 | 3,352 | 3/4 | 4,977 | 3/4 | 6,602 | 3/4 | 8,227 | 3/4 | 9,852 | 3/4 | | 3/4 | | 3/4 | |
| 1 | 135 | 1 | 1,761 | 1 | 3,386 | 1 | 5,011 | 1 | 6,636 | 1 | 8,261 | 1 | 9,886 | 1 | | 1 | | 1 | |
| 1/4 | 169 | 1/4 | 1,794 | 1/4 | 3,420 | 1/4 | 5,045 | 1/4 | 6,670 | 1/4 | 8,295 | 1/4 | 9,920 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 203 | 1/2 | 1,828 | 1/2 | 3,453 | 1/2 | 5,079 | 1/2 | 6,704 | 1/2 | 8,329 | 1/2 | 9,954 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 237 | 3/4 | 1,862 | 3/4 | 3,487 | 3/4 | 5,112 | 3/4 | 6,738 | 3/4 | 8,363 | 3/4 | 9,988 | 3/4 | | 3/4 | | 3/4 | |
| 2 | 271 | 2 | 1,896 | 2 | 3,521 | 2 | 5,146 | 2 | 6,771 | 2 | 8,397 | 2 | 10,022 | 2 | | 2 | | 2 | |
| 1/4 | 305 | 1/4 | 1,930 | 1/4 | 3,555 | 1/4 | 5,180 | 1/4 | 6,805 | 1/4 | 8,430 | 1/4 | 10,056 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 339 | 1/2 | 1,964 | 1/2 | 3,589 | 1/2 | 5,214 | 1/2 | 6,839 | 1/2 | 8,464 | 1/2 | 10,089 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 372 | 3/4 | 1,998 | 3/4 | 3,623 | 3/4 | 5,248 | 3/4 | 6,873 | 3/4 | 8,498 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 406 | 3 | 2,031 | 3 | 3,657 | 3 | 5,282 | 3 | 6,907 | 3 | 8,532 | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 440 | 1/4 | 2,065 | 1/4 | 3,690 | 1/4 | 5,316 | 1/4 | 6,941 | 1/4 | 8,566 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 474 | 1/2 | 2,099 | 1/2 | 3,724 | 1/2 | 5,349 | 1/2 | 6,975 | 1/2 | 8,600 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 508 | 3/4 | 2,133 | 3/4 | 3,758 | 3/4 | 5,383 | 3/4 | 7,008 | 3/4 | 8,634 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 542 | 4 | 2,167 | 4 | 3,792 | 4 | 5,417 | 4 | 7,042 | 4 | 8,667 | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 576 | 1/4 | 2,201 | 1/4 | 3,826 | 1/4 | 5,451 | 1/4 | 7,076 | 1/4 | 8,701 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 609 | 1/2 | 2,235 | 1/2 | 3,860 | 1/2 | 5,485 | 1/2 | 7,110 | 1/2 | 8,735 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 643 | 3/4 | 2,268 | 3/4 | 3,894 | 3/4 | 5,519 | 3/4 | 7,144 | 3/4 | 8,769 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 677 | 5 | 2,302 | 5 | 3,927 | 5 | 5,553 | 5 | 7,178 | 5 | 8,803 | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 711 | 1/4 | 2,336 | 1/4 | 3,961 | 1/4 | 5,586 | 1/4 | 7,212 | 1/4 | 8,837 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 745 | 1/2 | 2,370 | 1/2 | 3,995 | 1/2 | 5,620 | 1/2 | 7,245 | 1/2 | 8,871 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 779 | 3/4 | 2,404 | 3/4 | 4,029 | 3/4 | 5,654 | 3/4 | 7,279 | 3/4 | 8,904 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 813 | 6 | 2,438 | 6 | 4,063 | 6 | 5,688 | 6 | 7,313 | 6 | 8,938 | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 846 | 1/4 | 2,472 | 1/4 | 4,097 | 1/4 | 5,722 | 1/4 | 7,347 | 1/4 | 8,972 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 880 | 1/2 | 2,505 | 1/2 | 4,131 | 1/2 | 5,756 | 1/2 | 7,381 | 1/2 | 9,006 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 914 | 3/4 | 2,539 | 3/4 | 4,164 | 3/4 | 5,790 | 3/4 | 7,415 | 3/4 | 9,040 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 948 | 7 | 2,573 | 7 | 4,198 | 7 | 5,823 | 7 | 7,449 | 7 | 9,074 | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 982 | 1/4 | 2,607 | 1/4 | 4,232 | 1/4 | 5,857 | 1/4 | 7,482 | 1/4 | 9,108 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,016 | 1/2 | 2,641 | 1/2 | 4,266 | 1/2 | 5,891 | 1/2 | 7,516 | 1/2 | 9,141 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,050 | 3/4 | 2,675 | 3/4 | 4,300 | 3/4 | 5,925 | 3/4 | 7,550 | 3/4 | 9,175 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 1,083 | 8 | 2,709 | 8 | 4,334 | 8 | 5,959 | 8 | 7,584 | 8 | 9,209 | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 1,117 | 1/4 | 2,742 | 1/4 | 4,368 | 1/4 | 5,993 | 1/4 | 7,618 | 1/4 | 9,243 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,151 | 1/2 | 2,776 | 1/2 | 4,401 | 1/2 | 6,027 | 1/2 | 7,652 | 1/2 | 9,277 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,185 | 3/4 | 2,810 | 3/4 | 4,435 | 3/4 | 6,060 | 3/4 | 7,686 | 3/4 | 9,311 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 1,219 | 9 | 2,844 | 9 | 4,469 | 9 | 6,094 | 9 | 7,719 | 9 | 9,345 | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 1,253 | 1/4 | 2,878 | 1/4 | 4,503 | 1/4 | 6,128 | 1/4 | 7,753 | 1/4 | 9,378 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,287 | 1/2 | 2,912 | 1/2 | 4,537 | 1/2 | 6,162 | 1/2 | 7,787 | 1/2 | 9,412 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,320 | 3/4 | 2,946 | 3/4 | 4,571 | 3/4 | 6,196 | 3/4 | 7,821 | 3/4 | 9,446 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 1,354 | 10 | 2,979 | 10 | 4,605 | 10 | 6,230 | 10 | 7,855 | 10 | 9,480 | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 1,388 | 1/4 | 3,013 | 1/4 | 4,638 | 1/4 | 6,264 | 1/4 | 7,889 | 1/4 | 9,514 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,422 | 1/2 | 3,047 | 1/2 | 4,672 | 1/2 | 6,297 | 1/2 | 7,923 | 1/2 | 9,548 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,456 | 3/4 | 3,081 | 3/4 | 4,706 | 3/4 | 6,331 | 3/4 | 7,956 | 3/4 | 9,582 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 1,490 | 11 | 3,115 | 11 | 4,740 | 11 | 6,365 | 11 | 7,990 | 11 | 9,615 | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 1,524 | 1/4 | 3,149 | 1/4 | 4,774 | 1/4 | 6,399 | 1/4 | 8,024 | 1/4 | 9,649 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,557 | 1/2 | 3,183 | 1/2 | 4,808 | 1/2 | 6,433 | 1/2 | 8,058 | 1/2 | 9,683 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,591 | 3/4 | 3,216 | 3/4 | 4,842 | 3/4 | 6,467 | 3/4 | 8,092 | 3/4 | 9,717 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER PIPE.

STRAPPED: 07/01/2014 CL
CALCULATED: 07/01/2014 CL
NAME CHANGE: 10/10/2019

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>