



# BARGE "KIRBY 27011"

ULLAGE TRIM TABLE

FORMERLY "CTCo 321"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 237'-06"

January 31, 2024

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
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# BARGE "KIRBY 27011"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 321"

GAUGE HEIGHT 16'-04 1/4"

| 0 FT. |     | 1 FT. |     | 2 FT. |     | 3 FT. |     | 4 FT. |     | 5 FT. |     | 6 FT. |     | 7 FT. |     | 8 FT. |     | 9 FT. |     |
|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|
| 0     | 1/4 | 0     | 1/4 | 0     | 1/4 | 0     | 1/4 | 0     | 1/4 | 0     | 1/4 | 0     | 1/4 | 0     | 1/4 | 0     | 1/4 | 0     | 1/4 |
| 0     |     | 0     |     | 0     |     | 0     |     | 0     |     | 0     |     | 0     |     | 0     |     | 0     |     | 0     |     |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     |
| 1     |     | 1     |     | 1     |     | 1     |     | 1     |     | 1     |     | 1     |     | 1     |     | 1     |     | 1     |     |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     |
| 2     |     | 2     |     | 2     |     | 2     |     | 2     |     | 2     |     | 2     |     | 2     |     | 2     |     | 2     |     |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     |
| 3     |     | 3     |     | 3     |     | 3     |     | 3     |     | 3     |     | 3     |     | 3     |     | 3     |     | 3     |     |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     |
| 4     |     | 4     |     | 4     |     | 4     |     | 4     |     | 4     |     | 4     |     | 4     |     | 4     |     | 4     |     |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     |
| 5     |     | 5     |     | 5     |     | 5     |     | 5     |     | 5     |     | 5     |     | 5     |     | 5     |     | 5     |     |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     |
| 6     |     | 6     |     | 6     |     | 6     |     | 6     |     | 6     |     | 6     |     | 6     |     | 6     |     | 6     |     |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     |
| 7     |     | 7     |     | 7     |     | 7     |     | 7     |     | 7     |     | 7     |     | 7     |     | 7     |     | 7     |     |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     |
| 8     |     | 8     |     | 8     |     | 8     |     | 8     |     | 8     |     | 8     |     | 8     |     | 8     |     | 8     |     |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     |
| 9     |     | 9     |     | 9     |     | 9     |     | 9     |     | 9     |     | 9     |     | 9     |     | 9     |     | 9     |     |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     |
| 10    |     | 10    |     | 10    |     | 10    |     | 10    |     | 10    |     | 10    |     | 10    |     | 10    |     | 10    |     |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     |
| 11    |     | 11    |     | 11    |     | 11    |     | 11    |     | 11    |     | 11    |     | 11    |     | 11    |     | 11    |     |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     |
| 11    |     | 11    |     | 11    |     | 11    |     | 11    |     | 11    |     | 11    |     | 11    |     | 11    |     | 11    |     |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     | 1/4   |     |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     | 1/2   |     |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     | 3/4   |     |

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 GAUGING DEVICE"  
 GAUGE POINT: (HERMETIC) LOCATED 12'-03" 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 27011"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 321"

GAUGE HEIGHT 16'-04 1/4"

|     | 10 FT.   |     | 11 FT.   |     | 12 FT.   |     | 13 FT. |     | 14 FT. |     | 15 FT. |     | 16 FT. |     | 17 FT. |   | 18 FT. |   | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|---|--------|---|--------|
| 0   | 1,954.53 | 0   | 1,623.38 | 0   | 1,292.24 | 0   | 961.71 | 0   | 647.41 | 0   | 357.81 | 0   | 89.83  | 0   |        | 0 |        | 0 |        |
| 1/4 | 1,947.63 | 1/4 | 1,616.49 | 1/4 | 1,285.34 | 1/4 | 954.91 | 1/4 | 641.09 | 1/4 | 352.00 | 1/4 | 84.47  | 1/4 | 1/4    |   | 1/4    |   | 1/4    |
| 1/2 | 1,940.73 | 1/2 | 1,609.59 | 1/2 | 1,278.44 | 1/2 | 948.15 | 1/2 | 634.81 | 1/2 | 346.23 | 1/2 | 79.16  | 1/2 | 1/2    |   | 1/2    |   | 1/2    |
| 3/4 | 1,933.83 | 3/4 | 1,602.69 | 3/4 | 1,271.54 | 3/4 | 941.40 | 3/4 | 628.54 | 3/4 | 340.45 | 3/4 | 73.85  | 3/4 | 3/4    |   | 3/4    |   | 3/4    |
| 1   | 1,926.94 | 1   | 1,595.79 | 1   | 1,264.64 | 1   | 934.64 | 1   | 622.26 | 1   | 334.68 | 1   | 68.53  | 1   | 1      |   | 1      |   | 1      |
| 1/4 | 1,920.04 | 1/4 | 1,588.89 | 1/4 | 1,257.74 | 1/4 | 927.88 | 1/4 | 615.98 | 1/4 | 328.91 | 1/4 | 63.22  | 1/4 | 1/4    |   | 1/4    |   | 1/4    |
| 1/2 | 1,913.14 | 1/2 | 1,581.99 | 1/2 | 1,250.84 | 1/2 | 921.16 | 1/2 | 609.78 | 1/2 | 323.15 | 1/2 | 57.94  | 1/2 | 1/2    |   | 1/2    |   | 1/2    |
| 3/4 | 1,906.24 | 3/4 | 1,575.09 | 3/4 | 1,243.94 | 3/4 | 914.44 | 3/4 | 603.57 | 3/4 | 317.40 | 3/4 | 52.67  | 3/4 | 3/4    |   | 3/4    |   | 3/4    |
| 2   | 1,899.34 | 2   | 1,568.19 | 2   | 1,237.05 | 2   | 907.72 | 2   | 597.37 | 2   | 311.64 | 2   | 47.39  | 2   | 2      |   | 2      |   | 2      |
| 1/4 | 1,892.44 | 1/4 | 1,561.29 | 1/4 | 1,230.15 | 1/4 | 901.01 | 1/4 | 591.16 | 1/4 | 305.89 | 1/4 | 42.12  | 1/4 | 1/4    |   | 1/4    |   | 1/4    |
| 1/2 | 1,885.54 | 1/2 | 1,554.40 | 1/2 | 1,223.25 | 1/2 | 894.33 | 1/2 | 585.01 | 1/2 | 300.17 | 1/2 | 37.74  | 1/2 | 1/2    |   | 1/2    |   | 1/2    |
| 3/4 | 1,878.64 | 3/4 | 1,547.50 | 3/4 | 1,216.35 | 3/4 | 887.65 | 3/4 | 578.85 | 3/4 | 294.46 | 3/4 | 33.37  | 3/4 | 3/4    |   | 3/4    |   | 3/4    |
| 3   | 1,871.74 | 3   | 1,540.60 | 3   | 1,209.45 | 3   | 880.97 | 3   | 572.69 | 3   | 288.74 | 3   | 29.00  | 3   | 3      |   | 3      |   | 3      |
| 1/4 | 1,864.85 | 1/4 | 1,533.70 | 1/4 | 1,202.55 | 1/4 | 874.29 | 1/4 | 566.53 | 1/4 | 283.02 | 1/4 | 24.62  | 1/4 | 1/4    |   | 1/4    |   | 1/4    |
| 1/2 | 1,857.95 | 1/2 | 1,526.80 | 1/2 | 1,195.65 | 1/2 | 867.65 | 1/2 | 560.42 | 1/2 | 277.35 | 1/2 | 22.02  | 1/2 | 1/2    |   | 1/2    |   | 1/2    |
| 3/4 | 1,851.05 | 3/4 | 1,519.90 | 3/4 | 1,188.75 | 3/4 | 861.02 | 3/4 | 554.30 | 3/4 | 271.67 | 3/4 | 19.41  | 3/4 | 3/4    |   | 3/4    |   | 3/4    |
| 4   | 1,844.15 | 4   | 1,513.00 | 4   | 1,181.85 | 4   | 854.38 | 4   | 548.18 | 4   | 266.00 | 4   | 16.80  | 4   | 4      |   | 4      |   | 4      |
| 1/4 | 1,837.25 | 1/4 | 1,506.10 | 1/4 | 1,174.96 | 1/4 | 847.74 | 1/4 | 542.06 | 1/4 | 260.32 | 1/4 | 14.20  | 1/4 | 1/4    |   | 1/4    |   | 1/4    |
| 1/2 | 1,830.35 | 1/2 | 1,499.20 | 1/2 | 1,168.06 | 1/2 | 841.14 | 1/2 | 535.99 | 1/2 | 254.69 | 1/2 |        | 1/2 | 1/2    |   | 1/2    |   | 1/2    |
| 3/4 | 1,823.45 | 3/4 | 1,492.31 | 3/4 | 1,161.16 | 3/4 | 834.54 | 3/4 | 529.91 | 3/4 | 249.05 | 3/4 |        | 3/4 | 3/4    |   | 3/4    |   | 3/4    |
| 5   | 1,816.55 | 5   | 1,485.41 | 5   | 1,154.26 | 5   | 827.95 | 5   | 523.83 | 5   | 243.41 | 5   |        | 5   | 5      |   | 5      |   | 5      |
| 1/4 | 1,809.65 | 1/4 | 1,478.51 | 1/4 | 1,147.36 | 1/4 | 821.35 | 1/4 | 517.75 | 1/4 | 237.78 | 1/4 |        | 1/4 | 1/4    |   | 1/4    |   | 1/4    |
| 1/2 | 1,802.76 | 1/2 | 1,471.61 | 1/2 | 1,140.46 | 1/2 | 814.79 | 1/2 | 511.72 | 1/2 | 232.18 | 1/2 |        | 1/2 | 1/2    |   | 1/2    |   | 1/2    |
| 3/4 | 1,795.86 | 3/4 | 1,464.71 | 3/4 | 1,133.56 | 3/4 | 808.23 | 3/4 | 505.68 | 3/4 | 226.59 | 3/4 |        | 3/4 | 3/4    |   | 3/4    |   | 3/4    |
| 6   | 1,788.96 | 6   | 1,457.81 | 6   | 1,126.66 | 6   | 801.67 | 6   | 499.64 | 6   | 220.99 | 6   |        | 6   | 6      |   | 6      |   | 6      |
| 1/4 | 1,782.06 | 1/4 | 1,450.91 | 1/4 | 1,119.76 | 1/4 | 795.11 | 1/4 | 493.60 | 1/4 | 215.40 | 1/4 |        | 1/4 | 1/4    |   | 1/4    |   | 1/4    |
| 1/2 | 1,775.16 | 1/2 | 1,444.01 | 1/2 | 1,112.87 | 1/2 | 788.60 | 1/2 | 487.61 | 1/2 | 209.84 | 1/2 |        | 1/2 | 1/2    |   | 1/2    |   | 1/2    |
| 3/4 | 1,768.26 | 3/4 | 1,437.11 | 3/4 | 1,105.97 | 3/4 | 782.08 | 3/4 | 481.61 | 3/4 | 204.29 | 3/4 |        | 3/4 | 3/4    |   | 3/4    |   | 3/4    |
| 7   | 1,761.36 | 7   | 1,430.21 | 7   | 1,099.07 | 7   | 775.56 | 7   | 475.62 | 7   | 198.73 | 7   |        | 7   | 7      |   | 7      |   | 7      |
| 1/4 | 1,754.46 | 1/4 | 1,423.32 | 1/4 | 1,092.17 | 1/4 | 769.04 | 1/4 | 469.62 | 1/4 | 193.18 | 1/4 |        | 1/4 | 1/4    |   | 1/4    |   | 1/4    |
| 1/2 | 1,747.56 | 1/2 | 1,416.42 | 1/2 | 1,085.27 | 1/2 | 762.57 | 1/2 | 463.66 | 1/2 | 187.66 | 1/2 |        | 1/2 | 1/2    |   | 1/2    |   | 1/2    |
| 3/4 | 1,740.67 | 3/4 | 1,409.52 | 3/4 | 1,078.37 | 3/4 | 756.09 | 3/4 | 457.71 | 3/4 | 182.15 | 3/4 |        | 3/4 | 3/4    |   | 3/4    |   | 3/4    |
| 8   | 1,733.77 | 8   | 1,402.62 | 8   | 1,071.47 | 8   | 749.61 | 8   | 451.75 | 8   | 176.63 | 8   |        | 8   | 8      |   | 8      |   | 8      |
| 1/4 | 1,726.87 | 1/4 | 1,395.72 | 1/4 | 1,064.57 | 1/4 | 743.13 | 1/4 | 445.80 | 1/4 | 171.11 | 1/4 |        | 1/4 | 1/4    |   | 1/4    |   | 1/4    |
| 1/2 | 1,719.97 | 1/2 | 1,388.82 | 1/2 | 1,057.67 | 1/2 | 736.69 | 1/2 | 439.88 | 1/2 | 165.64 | 1/2 |        | 1/2 | 1/2    |   | 1/2    |   | 1/2    |
| 3/4 | 1,713.07 | 3/4 | 1,381.92 | 3/4 | 1,050.78 | 3/4 | 730.26 | 3/4 | 433.96 | 3/4 | 160.16 | 3/4 |        | 3/4 | 3/4    |   | 3/4    |   | 3/4    |
| 9   | 1,706.17 | 9   | 1,375.02 | 9   | 1,043.88 | 9   | 723.82 | 9   | 428.05 | 9   | 154.69 | 9   |        | 9   | 9      |   | 9      |   | 9      |
| 1/4 | 1,699.27 | 1/4 | 1,368.12 | 1/4 | 1,036.98 | 1/4 | 717.38 | 1/4 | 422.13 | 1/4 | 149.21 | 1/4 |        | 1/4 | 1/4    |   | 1/4    |   | 1/4    |
| 1/2 | 1,692.37 | 1/2 | 1,361.23 | 1/2 | 1,030.10 | 1/2 | 710.98 | 1/2 | 416.25 | 1/2 | 143.78 | 1/2 |        | 1/2 | 1/2    |   | 1/2    |   | 1/2    |
| 3/4 | 1,685.47 | 3/4 | 1,354.33 | 3/4 | 1,023.22 | 3/4 | 704.59 | 3/4 | 410.38 | 3/4 | 138.34 | 3/4 |        | 3/4 | 3/4    |   | 3/4    |   | 3/4    |
| 10  | 1,678.58 | 10  | 1,347.43 | 10  | 1,016.34 | 10  | 698.19 | 10  | 404.50 | 10  | 132.91 | 10  |        | 10  | 10     |   | 10     |   | 10     |
| 1/4 | 1,671.68 | 1/4 | 1,340.53 | 1/4 | 1,009.46 | 1/4 | 691.79 | 1/4 | 398.62 | 1/4 | 127.47 | 1/4 |        | 1/4 | 1/4    |   | 1/4    |   | 1/4    |
| 1/2 | 1,664.78 | 1/2 | 1,333.63 | 1/2 | 1,002.62 | 1/2 | 685.43 | 1/2 | 392.78 | 1/2 | 122.08 | 1/2 |        | 1/2 | 1/2    |   | 1/2    |   | 1/2    |
| 3/4 | 1,657.88 | 3/4 | 1,326.73 | 3/4 | 995.79   | 3/4 | 679.08 | 3/4 | 386.93 | 3/4 | 116.68 | 3/4 |        | 3/4 | 3/4    |   | 3/4    |   | 3/4    |
| 11  | 1,650.98 | 11  | 1,319.83 | 11  | 988.95   | 11  | 672.72 | 11  | 381.09 | 11  | 111.29 | 11  |        | 11  | 11     |   | 11     |   | 11     |
| 1/4 | 1,644.08 | 1/4 | 1,312.93 | 1/4 | 982.11   | 1/4 | 666.36 | 1/4 | 375.25 | 1/4 | 105.89 | 1/4 |        | 1/4 | 1/4    |   | 1/4    |   | 1/4    |
| 1/2 | 1,637.18 | 1/2 | 1,306.03 | 1/2 | 975.31   | 1/2 | 660.04 | 1/2 | 369.44 | 1/2 | 100.54 | 1/2 |        | 1/2 | 1/2    |   | 1/2    |   | 1/2    |
| 3/4 | 1,630.28 | 3/4 | 1,299.14 | 3/4 | 968.51   | 3/4 | 653.73 | 3/4 | 363.62 | 3/4 | 95.18  | 3/4 |        | 3/4 | 3/4    |   | 3/4    |   | 3/4    |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/26/2013  
RECALCULATED: 12/28/2018  
VERIFIED: 01/31/2024 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2024

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



# BARGE "KIRBY 27011"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 321"

GAUGE HEIGHT 16'-04 1/4"

| 0 FT. |     | 1 FT. |     | 2 FT. |     | 3 FT. |          | 4 FT. |          | 5 FT. |          | 6 FT. |          | 7 FT. |          | 8 FT. |          | 9 FT. |          |     |          |
|-------|-----|-------|-----|-------|-----|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-----|----------|
| 0     | 1/4 | 0     | 1/4 | 0     | 1/4 | 0     | 1/4      | 0     | 1/4      | 0     | 1/4      | 0     | 1/4      | 0     | 1/4      | 0     | 1/4      | 0     | 1/4      |     |          |
| 0     |     | 0     |     | 0     |     | 0     | 4,138.65 | 0     | 3,877.12 | 0     | 3,587.95 | 0     | 3,277.46 | 0     | 2,948.96 | 0     | 2,617.82 | 0     | 2,286.67 |     |          |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 4,132.19 | 1/4   | 3,871.34 | 1/4   | 3,581.69 | 1/4   | 3,270.78 | 1/4   | 2,942.06 | 1/4   | 2,610.92 | 1/4   | 2,279.78 |     |          |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 4,127.18 | 1/2   | 3,865.52 | 1/2   | 3,575.40 | 1/2   | 3,264.08 | 1/2   | 2,935.16 | 1/2   | 2,604.02 | 1/2   | 2,272.88 |     |          |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 4,122.17 | 3/4   | 3,859.69 | 3/4   | 3,569.12 | 3/4   | 3,257.37 | 3/4   | 2,928.26 | 3/4   | 2,597.12 | 3/4   | 2,265.98 |     |          |
| 1     |     | 1     |     | 1     |     | 1     | 4,117.17 | 1     | 3,853.87 | 1     | 3,562.83 | 1     | 3,250.66 | 1     | 2,921.36 | 1     | 2,590.22 | 1     | 2,259.08 |     |          |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 4,112.16 | 1/4   | 3,848.05 | 1/4   | 3,556.54 | 1/4   | 3,243.95 | 1/4   | 2,914.47 | 1/4   | 2,583.32 | 1/4   | 2,252.18 |     |          |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 4,107.12 | 1/2   | 3,842.19 | 1/2   | 3,550.22 | 1/2   | 3,237.20 | 1/2   | 2,907.57 | 1/2   | 2,576.42 | 1/2   | 2,245.28 |     |          |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 4,102.08 | 3/4   | 3,836.34 | 3/4   | 3,543.90 | 3/4   | 3,230.45 | 3/4   | 2,900.67 | 3/4   | 2,569.53 | 3/4   | 2,238.38 |     |          |
| 2     |     | 2     |     | 2     |     | 2     | 4,097.04 | 2     | 3,830.48 | 2     | 3,537.58 | 2     | 3,223.70 | 2     | 2,893.77 | 2     | 2,562.63 | 2     | 2,231.48 |     |          |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 4,092.00 | 1/4   | 3,824.63 | 1/4   | 3,531.26 | 1/4   | 3,216.95 | 1/4   | 2,886.87 | 1/4   | 2,555.73 | 1/4   | 2,224.59 |     |          |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 4,086.92 | 1/2   | 3,818.73 | 1/2   | 3,524.90 | 1/2   | 3,210.17 | 1/2   | 2,879.97 | 1/2   | 2,548.83 | 1/2   | 2,217.69 |     |          |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 4,081.84 | 3/4   | 3,812.83 | 3/4   | 3,518.55 | 3/4   | 3,203.39 | 3/4   | 2,873.07 | 3/4   | 2,541.93 | 3/4   | 2,210.79 |     |          |
| 3     |     | 3     |     | 3     |     | 3     | 4,076.76 | 3     | 3,806.94 | 3     | 3,512.19 | 3     | 3,196.61 | 3     | 2,866.17 | 3     | 2,535.03 | 3     | 2,203.89 |     |          |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 4,071.68 | 1/4   | 3,801.04 | 1/4   | 3,505.83 | 1/4   | 3,189.83 | 1/4   | 2,859.28 | 1/4   | 2,528.13 | 1/4   | 2,196.99 |     |          |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 4,066.57 | 1/2   | 3,795.12 | 1/2   | 3,499.45 | 1/2   | 3,183.02 | 1/2   | 2,852.38 | 1/2   | 2,521.23 | 1/2   | 2,190.09 |     |          |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 4,061.46 | 3/4   | 3,789.19 | 3/4   | 3,493.06 | 3/4   | 3,176.20 | 3/4   | 2,845.48 | 3/4   | 2,514.34 | 3/4   | 2,183.19 |     |          |
| 4     |     | 4     |     | 4     |     | 4     | 4,056.35 | 4     | 3,783.26 | 4     | 3,486.68 | 4     | 3,169.39 | 4     | 2,838.58 | 4     | 2,507.44 | 4     | 2,176.29 |     |          |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 4,051.24 | 1/4   | 3,777.34 | 1/4   | 3,480.30 | 1/4   | 3,162.58 | 1/4   | 2,831.68 | 1/4   | 2,500.54 | 1/4   | 2,169.40 |     |          |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 4,046.10 | 1/2   | 3,771.36 | 1/2   | 3,473.88 | 1/2   | 3,155.73 | 1/2   | 2,824.78 | 1/2   | 2,493.64 | 1/2   | 2,162.50 |     |          |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 4,040.96 | 3/4   | 3,765.38 | 3/4   | 3,467.46 | 3/4   | 3,148.88 | 3/4   | 2,817.88 | 3/4   | 2,486.74 | 3/4   | 2,155.60 |     |          |
| 5     |     | 5     |     | 5     |     | 5     | 4,035.81 | 5     | 3,759.40 | 5     | 3,461.04 | 5     | 3,142.03 | 5     | 2,810.98 | 5     | 2,479.84 | 5     | 2,148.70 |     |          |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 4,030.67 | 1/4   | 3,753.42 | 1/4   | 3,454.61 | 1/4   | 3,135.18 | 1/4   | 2,804.08 | 1/4   | 2,472.94 | 1/4   | 2,141.80 |     |          |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 4,025.09 | 1/2   | 3,747.41 | 1/2   | 3,448.16 | 1/2   | 3,128.29 | 1/2   | 2,797.19 | 1/2   | 2,466.04 | 1/2   | 2,134.90 |     |          |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 4,019.50 | 3/4   | 3,741.40 | 3/4   | 3,441.71 | 3/4   | 3,121.41 | 3/4   | 2,790.29 | 3/4   | 2,459.14 | 3/4   | 2,128.00 |     |          |
| 6     |     | 6     |     | 6     |     | 6     | 4,013.91 | 6     | 3,735.40 | 6     | 3,435.26 | 6     | 3,114.52 | 6     | 2,783.39 | 6     | 2,452.25 | 6     | 2,121.10 |     |          |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 4,287.61 | 1/4   | 4,008.33 | 1/4   | 3,729.39 | 1/4   | 3,428.80 | 1/4   | 3,107.63 | 1/4   | 2,776.49 | 1/4   | 2,445.35 | 1/4 | 2,114.20 |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 4,281.12 | 1/2   | 4,002.71 | 1/2   | 3,723.35 | 1/2   | 3,422.31 | 1/2   | 3,100.73 | 1/2   | 2,769.59 | 1/2   | 2,438.45 | 1/2 | 2,107.31 |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 4,274.62 | 3/4   | 3,997.09 | 3/4   | 3,717.31 | 3/4   | 3,415.81 | 3/4   | 3,093.83 | 3/4   | 2,762.69 | 3/4   | 2,431.55 | 3/4 | 2,100.41 |
| 7     |     | 7     |     | 7     |     | 7     | 4,268.13 | 7     | 3,991.47 | 7     | 3,711.27 | 7     | 3,409.32 | 7     | 3,086.94 | 7     | 2,755.79 | 7     | 2,424.65 | 7   | 2,093.51 |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 4,261.64 | 1/4   | 3,985.85 | 1/4   | 3,705.23 | 1/4   | 3,402.82 | 1/4   | 3,080.04 | 1/4   | 2,748.89 | 1/4   | 2,417.75 | 1/4 | 2,086.61 |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 4,255.14 | 1/2   | 3,980.19 | 1/2   | 3,699.15 | 1/2   | 3,396.30 | 1/2   | 3,073.14 | 1/2   | 2,742.00 | 1/2   | 2,410.85 | 1/2 | 2,079.71 |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 4,248.65 | 3/4   | 3,974.53 | 3/4   | 3,693.08 | 3/4   | 3,389.77 | 3/4   | 3,066.24 | 3/4   | 2,735.10 | 3/4   | 2,403.95 | 3/4 | 2,072.81 |
| 8     |     | 8     |     | 8     |     | 8     | 4,242.16 | 8     | 3,968.87 | 8     | 3,687.00 | 8     | 3,383.25 | 8     | 3,059.34 | 8     | 2,728.20 | 8     | 2,397.06 | 8   | 2,065.91 |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 4,235.67 | 1/4   | 3,963.21 | 1/4   | 3,680.92 | 1/4   | 3,376.72 | 1/4   | 3,052.44 | 1/4   | 2,721.30 | 1/4   | 2,390.16 | 1/4 | 2,059.01 |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 4,229.17 | 1/2   | 3,957.52 | 1/2   | 3,674.77 | 1/2   | 3,370.16 | 1/2   | 3,045.54 | 1/2   | 2,714.40 | 1/2   | 2,383.26 | 1/2 | 2,052.12 |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 4,222.68 | 3/4   | 3,951.83 | 3/4   | 3,668.63 | 3/4   | 3,363.59 | 3/4   | 3,038.64 | 3/4   | 2,707.50 | 3/4   | 2,376.36 | 3/4 | 2,045.22 |
| 9     |     | 9     |     | 9     |     | 9     | 4,216.19 | 9     | 3,946.14 | 9     | 3,662.48 | 9     | 3,357.03 | 9     | 3,031.75 | 9     | 2,700.60 | 9     | 2,369.46 | 9   | 2,038.32 |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 4,209.69 | 1/4   | 3,940.45 | 1/4   | 3,656.34 | 1/4   | 3,350.46 | 1/4   | 3,024.85 | 1/4   | 2,693.70 | 1/4   | 2,362.56 | 1/4 | 2,031.42 |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 4,203.23 | 1/2   | 3,934.72 | 1/2   | 3,650.15 | 1/2   | 3,343.86 | 1/2   | 3,017.95 | 1/2   | 2,686.81 | 1/2   | 2,355.66 | 1/2 | 2,024.52 |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 4,196.78 | 3/4   | 3,928.99 | 3/4   | 3,643.97 | 3/4   | 3,337.25 | 3/4   | 3,011.05 | 3/4   | 2,679.91 | 3/4   | 2,348.76 | 3/4 | 2,017.62 |
| 10    |     | 10    |     | 10    |     | 10    | 4,190.32 | 10    | 3,923.25 | 10    | 3,637.78 | 10    | 3,330.65 | 10    | 3,004.15 | 10    | 2,673.01 | 10    | 2,341.87 | 10  | 2,010.72 |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 4,183.86 | 1/4   | 3,917.52 | 1/4   | 3,631.60 | 1/4   | 3,324.04 | 1/4   | 2,997.25 | 1/4   | 2,666.11 | 1/4   | 2,334.97 | 1/4 | 2,003.82 |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 4,177.40 | 1/2   | 3,911.76 | 1/2   | 3,625.38 | 1/2   | 3,317.40 | 1/2   | 2,990.35 | 1/2   | 2,659.21 | 1/2   | 2,328.07 | 1/2 | 1,996.93 |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 4,170.94 | 3/4   | 3,906.00 | 3/4   | 3,619.16 | 3/4   | 3,310.77 | 3/4   | 2,983.45 | 3/4   | 2,652.31 | 3/4   | 2,321.17 | 3/4 | 1,990.03 |
| 11    |     | 11    |     | 11    |     | 11    | 4,164.48 | 11    | 3,900.24 | 11    | 3,612.95 | 11    | 3,304.13 | 11    | 2,976.55 | 11    | 2,645.41 | 11    | 2,314.27 | 11  | 1,983.13 |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 4,158.02 | 1/4   | 3,894.47 | 1/4   | 3,606.73 | 1/4   | 3,297.49 | 1/4   | 2,969.66 | 1/4   | 2,638.51 | 1/4   | 2,307.37 | 1/4 | 1,976.23 |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 4,151.56 | 1/2   | 3,888.69 | 1/2   | 3,600.47 | 1/2   | 3,290.82 | 1/2   | 2,962.76 | 1/2   | 2,631.61 | 1/2   | 2,300.47 | 1/2 | 1,969.33 |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 4,145.11 | 3/4   | 3,882.91 | 3/4   | 3,594.21 | 3/4   | 3,284.14 | 3/4   | 2,955.86 | 3/4   | 2,624.72 | 3/4   | 2,293.57 | 3/4 | 1,962.43 |

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 GAUGING DEVICE"  
 GAUGE POINT: (HERMETIC) LOCATED 12'-03" 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 27011"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 321"

GAUGE HEIGHT 16'-04 1/4"

|     | 10 FT.   |     | 11 FT.   |     | 12 FT.   |     | 13 FT. |     | 14 FT. |     | 15 FT. |     | 16 FT. |     | 17 FT. |   | 18 FT. |   | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|---|--------|---|--------|
| 0   | 1,955.53 | 0   | 1,624.39 | 0   | 1,293.25 | 0   | 962.73 | 0   | 648.44 | 0   | 357.85 | 0   | 89.81  | 0   |        | 0 |        | 0 |        |
| 1/4 | 1,948.63 | 1/4 | 1,617.49 | 1/4 | 1,286.35 | 1/4 | 955.93 | 1/4 | 642.12 | 1/4 | 352.02 | 1/4 | 84.46  | 1/4 | 1/4    |   | 1/4    |   | 1/4    |
| 1/2 | 1,941.73 | 1/2 | 1,610.59 | 1/2 | 1,279.45 | 1/2 | 949.17 | 1/2 | 635.84 | 1/2 | 346.22 | 1/2 | 79.14  | 1/2 | 1/2    |   | 1/2    |   | 1/2    |
| 3/4 | 1,934.84 | 3/4 | 1,603.69 | 3/4 | 1,272.55 | 3/4 | 942.41 | 3/4 | 629.57 | 3/4 | 340.43 | 3/4 | 73.83  | 3/4 | 3/4    |   | 3/4    |   | 3/4    |
| 1   | 1,927.94 | 1   | 1,596.79 | 1   | 1,265.65 | 1   | 935.65 | 1   | 623.29 | 1   | 334.63 | 1   | 68.52  | 1   | 1      |   | 1      |   | 1      |
| 1/4 | 1,921.04 | 1/4 | 1,589.90 | 1/4 | 1,258.75 | 1/4 | 928.89 | 1/4 | 617.01 | 1/4 | 328.84 | 1/4 | 63.20  | 1/4 | 1/4    |   | 1/4    |   | 1/4    |
| 1/2 | 1,914.14 | 1/2 | 1,583.00 | 1/2 | 1,251.85 | 1/2 | 922.18 | 1/2 | 610.79 | 1/2 | 323.08 | 1/2 | 57.93  | 1/2 | 1/2    |   | 1/2    |   | 1/2    |
| 3/4 | 1,907.24 | 3/4 | 1,576.10 | 3/4 | 1,244.96 | 3/4 | 915.46 | 3/4 | 604.56 | 3/4 | 317.33 | 3/4 | 52.66  | 3/4 | 3/4    |   | 3/4    |   | 3/4    |
| 2   | 1,900.34 | 2   | 1,569.20 | 2   | 1,238.06 | 2   | 908.74 | 2   | 598.33 | 2   | 311.57 | 2   | 47.38  | 2   | 2      |   | 2      |   | 2      |
| 1/4 | 1,893.44 | 1/4 | 1,562.30 | 1/4 | 1,231.16 | 1/4 | 902.02 | 1/4 | 592.10 | 1/4 | 305.82 | 1/4 | 42.11  | 1/4 | 1/4    |   | 1/4    |   | 1/4    |
| 1/2 | 1,886.54 | 1/2 | 1,555.40 | 1/2 | 1,224.26 | 1/2 | 895.34 | 1/2 | 585.92 | 1/2 | 300.11 | 1/2 | 37.74  | 1/2 | 1/2    |   | 1/2    |   | 1/2    |
| 3/4 | 1,879.65 | 3/4 | 1,548.50 | 3/4 | 1,217.36 | 3/4 | 888.67 | 3/4 | 579.74 | 3/4 | 294.39 | 3/4 | 33.37  | 3/4 | 3/4    |   | 3/4    |   | 3/4    |
| 3   | 1,872.75 | 3   | 1,541.60 | 3   | 1,210.46 | 3   | 881.99 | 3   | 573.56 | 3   | 288.68 | 3   | 29.00  | 3   | 3      |   | 3      |   | 3      |
| 1/4 | 1,865.85 | 1/4 | 1,534.71 | 1/4 | 1,203.56 | 1/4 | 875.31 | 1/4 | 567.38 | 1/4 | 282.96 | 1/4 | 24.63  | 1/4 | 1/4    |   | 1/4    |   | 1/4    |
| 1/2 | 1,858.95 | 1/2 | 1,527.81 | 1/2 | 1,196.66 | 1/2 | 868.67 | 1/2 | 561.24 | 1/2 | 277.29 | 1/2 | 22.02  | 1/2 | 1/2    |   | 1/2    |   | 1/2    |
| 3/4 | 1,852.05 | 3/4 | 1,520.91 | 3/4 | 1,189.77 | 3/4 | 862.03 | 3/4 | 555.10 | 3/4 | 271.61 | 3/4 | 19.41  | 3/4 | 3/4    |   | 3/4    |   | 3/4    |
| 4   | 1,845.15 | 4   | 1,514.01 | 4   | 1,182.87 | 4   | 855.40 | 4   | 548.96 | 4   | 265.94 | 4   | 16.81  | 4   | 4      |   | 4      |   | 4      |
| 1/4 | 1,838.25 | 1/4 | 1,507.11 | 1/4 | 1,175.97 | 1/4 | 848.76 | 1/4 | 542.82 | 1/4 | 260.26 | 1/4 | 14.20  | 1/4 | 1/4    |   | 1/4    |   | 1/4    |
| 1/2 | 1,831.35 | 1/2 | 1,500.21 | 1/2 | 1,169.07 | 1/2 | 842.16 | 1/2 | 536.72 | 1/2 | 254.63 | 1/2 |        | 1/2 | 1/2    |   | 1/2    |   | 1/2    |
| 3/4 | 1,824.46 | 3/4 | 1,493.31 | 3/4 | 1,162.17 | 3/4 | 835.56 | 3/4 | 530.62 | 3/4 | 248.99 | 3/4 |        | 3/4 | 3/4    |   | 3/4    |   | 3/4    |
| 5   | 1,817.56 | 5   | 1,486.41 | 5   | 1,155.27 | 5   | 828.96 | 5   | 524.52 | 5   | 243.36 | 5   |        | 5   | 5      |   | 5      |   | 5      |
| 1/4 | 1,810.66 | 1/4 | 1,479.52 | 1/4 | 1,148.37 | 1/4 | 822.37 | 1/4 | 518.42 | 1/4 | 237.73 | 1/4 |        | 1/4 | 1/4    |   | 1/4    |   | 1/4    |
| 1/2 | 1,803.76 | 1/2 | 1,472.62 | 1/2 | 1,141.47 | 1/2 | 815.81 | 1/2 | 512.36 | 1/2 | 232.13 | 1/2 |        | 1/2 | 1/2    |   | 1/2    |   | 1/2    |
| 3/4 | 1,796.86 | 3/4 | 1,465.72 | 3/4 | 1,134.58 | 3/4 | 809.25 | 3/4 | 506.30 | 3/4 | 226.54 | 3/4 |        | 3/4 | 3/4    |   | 3/4    |   | 3/4    |
| 6   | 1,789.96 | 6   | 1,458.82 | 6   | 1,127.68 | 6   | 802.69 | 6   | 500.24 | 6   | 220.94 | 6   |        | 6   | 6      |   | 6      |   | 6      |
| 1/4 | 1,783.06 | 1/4 | 1,451.92 | 1/4 | 1,120.78 | 1/4 | 796.14 | 1/4 | 494.18 | 1/4 | 215.35 | 1/4 |        | 1/4 | 1/4    |   | 1/4    |   | 1/4    |
| 1/2 | 1,776.16 | 1/2 | 1,445.02 | 1/2 | 1,113.88 | 1/2 | 789.62 | 1/2 | 488.16 | 1/2 | 209.79 | 1/2 |        | 1/2 | 1/2    |   | 1/2    |   | 1/2    |
| 3/4 | 1,769.26 | 3/4 | 1,438.12 | 3/4 | 1,106.98 | 3/4 | 783.10 | 3/4 | 482.14 | 3/4 | 204.24 | 3/4 |        | 3/4 | 3/4    |   | 3/4    |   | 3/4    |
| 7   | 1,762.37 | 7   | 1,431.22 | 7   | 1,100.08 | 7   | 776.58 | 7   | 476.12 | 7   | 198.69 | 7   |        | 7   | 7      |   | 7      |   | 7      |
| 1/4 | 1,755.47 | 1/4 | 1,424.32 | 1/4 | 1,093.18 | 1/4 | 770.07 | 1/4 | 470.10 | 1/4 | 193.13 | 1/4 |        | 1/4 | 1/4    |   | 1/4    |   | 1/4    |
| 1/2 | 1,748.57 | 1/2 | 1,417.43 | 1/2 | 1,086.28 | 1/2 | 763.59 | 1/2 | 464.12 | 1/2 | 187.62 | 1/2 |        | 1/2 | 1/2    |   | 1/2    |   | 1/2    |
| 3/4 | 1,741.67 | 3/4 | 1,410.53 | 3/4 | 1,079.38 | 3/4 | 757.11 | 3/4 | 458.14 | 3/4 | 182.10 | 3/4 |        | 3/4 | 3/4    |   | 3/4    |   | 3/4    |
| 8   | 1,734.77 | 8   | 1,403.63 | 8   | 1,072.49 | 8   | 750.63 | 8   | 452.16 | 8   | 176.59 | 8   |        | 8   | 8      |   | 8      |   | 8      |
| 1/4 | 1,727.87 | 1/4 | 1,396.73 | 1/4 | 1,065.59 | 1/4 | 744.15 | 1/4 | 446.18 | 1/4 | 171.08 | 1/4 |        | 1/4 | 1/4    |   | 1/4    |   | 1/4    |
| 1/2 | 1,720.97 | 1/2 | 1,389.83 | 1/2 | 1,058.69 | 1/2 | 737.72 | 1/2 | 440.24 | 1/2 | 165.60 | 1/2 |        | 1/2 | 1/2    |   | 1/2    |   | 1/2    |
| 3/4 | 1,714.07 | 3/4 | 1,382.93 | 3/4 | 1,051.79 | 3/4 | 731.28 | 3/4 | 434.30 | 3/4 | 160.13 | 3/4 |        | 3/4 | 3/4    |   | 3/4    |   | 3/4    |
| 9   | 1,707.18 | 9   | 1,376.03 | 9   | 1,044.89 | 9   | 724.84 | 9   | 428.36 | 9   | 154.65 | 9   |        | 9   | 9      |   | 9      |   | 9      |
| 1/4 | 1,700.28 | 1/4 | 1,369.13 | 1/4 | 1,037.99 | 1/4 | 718.41 | 1/4 | 422.42 | 1/4 | 149.18 | 1/4 |        | 1/4 | 1/4    |   | 1/4    |   | 1/4    |
| 1/2 | 1,693.38 | 1/2 | 1,362.24 | 1/2 | 1,031.11 | 1/2 | 712.01 | 1/2 | 416.52 | 1/2 | 143.75 | 1/2 |        | 1/2 | 1/2    |   | 1/2    |   | 1/2    |
| 3/4 | 1,686.48 | 3/4 | 1,355.34 | 3/4 | 1,024.23 | 3/4 | 705.61 | 3/4 | 410.62 | 3/4 | 138.31 | 3/4 |        | 3/4 | 3/4    |   | 3/4    |   | 3/4    |
| 10  | 1,679.58 | 10  | 1,348.44 | 10  | 1,017.36 | 10  | 699.21 | 10  | 404.72 | 10  | 132.88 | 10  |        | 10  | 10     |   | 10     |   | 10     |
| 1/4 | 1,672.68 | 1/4 | 1,341.54 | 1/4 | 1,010.48 | 1/4 | 692.82 | 1/4 | 398.82 | 1/4 | 127.45 | 1/4 |        | 1/4 | 1/4    |   | 1/4    |   | 1/4    |
| 1/2 | 1,665.78 | 1/2 | 1,334.64 | 1/2 | 1,003.64 | 1/2 | 686.46 | 1/2 | 392.96 | 1/2 | 122.05 | 1/2 |        | 1/2 | 1/2    |   | 1/2    |   | 1/2    |
| 3/4 | 1,658.88 | 3/4 | 1,327.74 | 3/4 | 996.80   | 3/4 | 680.10 | 3/4 | 387.09 | 3/4 | 116.66 | 3/4 |        | 3/4 | 3/4    |   | 3/4    |   | 3/4    |
| 11  | 1,651.99 | 11  | 1,320.84 | 11  | 989.96   | 11  | 673.75 | 11  | 381.23 | 11  | 111.26 | 11  |        | 11  | 11     |   | 11     |   | 11     |
| 1/4 | 1,645.09 | 1/4 | 1,313.94 | 1/4 | 983.12   | 1/4 | 667.39 | 1/4 | 375.36 | 1/4 | 105.87 | 1/4 |        | 1/4 | 1/4    |   | 1/4    |   | 1/4    |
| 1/2 | 1,638.19 | 1/2 | 1,307.05 | 1/2 | 976.32   | 1/2 | 661.07 | 1/2 | 369.52 | 1/2 | 100.52 | 1/2 |        | 1/2 | 1/2    |   | 1/2    |   | 1/2    |
| 3/4 | 1,631.29 | 3/4 | 1,300.15 | 3/4 | 969.53   | 3/4 | 654.76 | 3/4 | 363.69 | 3/4 | 95.16  | 3/4 |        | 3/4 | 3/4    |   | 3/4    |   | 3/4    |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/26/2013  
RECALCULATED: 12/28/2018  
VERIFIED: 01/31/2024 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2024

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



# BARGE "KIRBY 27011"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 321"

GAUGE HEIGHT 16'-04 1/4"

| 0 FT. |     | 1 FT. |     | 2 FT. |          | 3 FT. |          | 4 FT. |          | 5 FT. |          | 6 FT. |          | 7 FT. |          | 8 FT. |          | 9 FT. |          |
|-------|-----|-------|-----|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 0     | 0   | 0     | 0   | 0     | 5,012.29 | 0     | 4,705.57 | 0     | 4,366.47 | 0     | 4,002.37 | 0     | 3,617.22 | 0     | 3,228.93 | 0     | 2,840.63 |       |          |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 5,004.71 | 1/4   | 4,698.79 | 1/4   | 4,359.13 | 1/4   | 3,994.54 | 1/4   | 3,609.13 | 1/4   | 3,220.84 | 1/4   | 2,832.54 |       |          |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 4,998.84 | 1/2   | 4,691.96 | 1/2   | 4,351.76 | 1/2   | 3,986.68 | 1/2   | 3,601.04 | 1/2   | 3,212.75 | 1/2   | 2,824.46 |       |          |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 4,992.97 | 3/4   | 4,685.13 | 3/4   | 4,344.38 | 3/4   | 3,978.81 | 3/4   | 3,592.95 | 3/4   | 3,204.66 | 3/4   | 2,816.37 |       |          |
| 1     | 1   | 1     | 1   | 1     | 4,987.09 | 1     | 4,678.30 | 1     | 4,337.01 | 1     | 3,970.95 | 1     | 3,584.86 | 1     | 3,164.21 | 1     | 2,808.28 |       |          |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 4,981.22 | 1/4   | 4,671.48 | 1/4   | 4,329.64 | 1/4   | 3,963.08 | 1/4   | 3,576.77 | 1/4   | 3,188.48 | 1/4   | 2,800.19 |       |          |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 4,975.31 | 1/2   | 4,664.61 | 1/2   | 4,322.22 | 1/2   | 3,955.16 | 1/2   | 3,568.68 | 1/2   | 3,180.39 | 1/2   | 2,792.10 |       |          |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 4,969.40 | 3/4   | 4,657.74 | 3/4   | 4,314.81 | 3/4   | 3,947.25 | 3/4   | 3,560.59 | 3/4   | 3,172.30 | 3/4   | 2,784.01 |       |          |
| 2     | 2   | 2     | 2   | 2     | 4,963.49 | 2     | 4,650.88 | 2     | 4,307.40 | 2     | 3,939.33 | 2     | 3,552.50 | 2     | 3,164.21 | 2     | 2,775.92 |       |          |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 4,957.58 | 1/4   | 4,644.01 | 1/4   | 4,299.99 | 1/4   | 3,931.41 | 1/4   | 3,544.41 | 1/4   | 3,156.12 | 1/4   | 2,767.83 |       |          |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 4,951.62 | 1/2   | 4,637.10 | 1/2   | 4,292.53 | 1/2   | 3,923.47 | 1/2   | 3,536.32 | 1/2   | 3,148.03 | 1/2   | 2,759.74 |       |          |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 4,945.66 | 3/4   | 4,630.18 | 3/4   | 4,285.08 | 3/4   | 3,915.52 | 3/4   | 3,528.23 | 3/4   | 3,139.94 | 3/4   | 2,751.65 |       |          |
| 3     | 3   | 3     | 3   | 3     | 4,939.70 | 3     | 4,623.27 | 3     | 4,277.62 | 3     | 3,907.57 | 3     | 3,520.14 | 3     | 3,131.85 | 3     | 2,743.56 |       |          |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 4,933.74 | 1/4   | 4,616.35 | 1/4   | 4,270.16 | 1/4   | 3,899.62 | 1/4   | 3,512.05 | 1/4   | 3,123.76 | 1/4   | 2,735.47 |       |          |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 4,927.75 | 1/2   | 4,609.40 | 1/2   | 4,262.68 | 1/2   | 3,891.63 | 1/2   | 3,503.97 | 1/2   | 3,115.67 | 1/2   | 2,727.38 |       |          |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 4,921.76 | 3/4   | 4,602.46 | 3/4   | 4,255.20 | 3/4   | 3,883.64 | 3/4   | 3,495.88 | 3/4   | 3,107.58 | 3/4   | 2,719.29 |       |          |
| 4     | 4   | 4     | 4   | 4     | 4,915.76 | 4     | 4,595.51 | 4     | 4,247.71 | 4     | 3,875.66 | 4     | 3,487.79 | 4     | 3,099.50 | 4     | 2,711.20 |       |          |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 4,909.77 | 1/4   | 4,588.56 | 1/4   | 4,240.23 | 1/4   | 3,867.67 | 1/4   | 3,479.70 | 1/4   | 3,091.41 | 1/4   | 2,703.11 |       |          |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 4,903.74 | 1/2   | 4,581.54 | 1/2   | 4,232.70 | 1/2   | 3,859.63 | 1/2   | 3,471.61 | 1/2   | 3,083.32 | 1/2   | 2,695.03 |       |          |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 4,897.71 | 3/4   | 4,574.53 | 3/4   | 4,225.17 | 3/4   | 3,851.60 | 3/4   | 3,463.52 | 3/4   | 3,075.23 | 3/4   | 2,686.94 |       |          |
| 5     | 5   | 5     | 5   | 5     | 4,891.68 | 5     | 4,567.52 | 5     | 4,217.64 | 5     | 3,843.57 | 5     | 3,455.43 | 5     | 3,067.14 | 5     | 2,678.85 |       |          |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 4,885.65 | 1/4   | 4,560.51 | 1/4   | 4,210.11 | 1/4   | 3,835.54 | 1/4   | 3,447.34 | 1/4   | 3,059.05 | 1/4   | 2,670.76 |       |          |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 4,879.10 | 1/2   | 4,553.46 | 1/2   | 4,202.54 | 1/2   | 3,827.47 | 1/2   | 3,439.25 | 1/2   | 3,050.96 | 1/2   | 2,662.67 |       |          |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 4,872.54 | 3/4   | 4,546.42 | 3/4   | 4,194.97 | 3/4   | 3,819.40 | 3/4   | 3,431.16 | 3/4   | 3,042.87 | 3/4   | 2,654.58 |       |          |
| 6     | 6   | 6     | 6   | 6     | 4,865.99 | 6     | 4,539.38 | 6     | 4,187.41 | 6     | 3,811.34 | 6     | 3,423.07 | 6     | 3,034.78 | 6     | 2,646.49 |       |          |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 5,186.96 | 1/4   | 4,859.44 | 1/4   | 4,532.33 | 1/4   | 4,179.84 | 1/4   | 3,803.27 | 1/4   | 3,414.98 | 1/4   | 3,026.69 | 1/4   | 2,638.40 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 5,179.35 | 1/2   | 4,852.85 | 1/2   | 4,525.25 | 1/2   | 4,172.22 | 1/2   | 3,795.18 | 1/2   | 3,406.89 | 1/2   | 3,018.60 | 1/2   | 2,630.31 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 5,171.73 | 3/4   | 4,846.26 | 3/4   | 4,518.17 | 3/4   | 4,164.61 | 3/4   | 3,787.09 | 3/4   | 3,398.80 | 3/4   | 3,010.51 | 3/4   | 2,622.22 |
| 7     | 7   | 7     | 7   | 7     | 5,164.12 | 7     | 4,839.67 | 7     | 4,511.08 | 7     | 4,156.99 | 7     | 3,779.00 | 7     | 3,390.71 | 7     | 3,002.42 | 7     | 2,614.13 |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 5,156.50 | 1/4   | 4,833.08 | 1/4   | 4,504.00 | 1/4   | 4,149.37 | 1/4   | 3,770.92 | 1/4   | 3,382.62 | 1/4   | 2,994.33 | 1/4   | 2,606.04 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 5,148.89 | 1/2   | 4,826.45 | 1/2   | 4,496.87 | 1/2   | 4,141.72 | 1/2   | 3,762.83 | 1/2   | 3,374.53 | 1/2   | 2,986.24 | 1/2   | 2,597.95 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 5,141.28 | 3/4   | 4,819.81 | 3/4   | 4,489.75 | 3/4   | 4,134.07 | 3/4   | 3,754.74 | 3/4   | 3,366.45 | 3/4   | 2,978.15 | 3/4   | 2,589.86 |
| 8     | 8   | 8     | 8   | 8     | 5,133.66 | 8     | 4,813.17 | 8     | 4,482.62 | 8     | 4,126.42 | 8     | 3,746.65 | 8     | 3,358.36 | 8     | 2,970.06 | 8     | 2,581.77 |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 5,126.05 | 1/4   | 4,806.53 | 1/4   | 4,475.49 | 1/4   | 4,118.77 | 1/4   | 3,738.56 | 1/4   | 3,350.27 | 1/4   | 2,961.98 | 1/4   | 2,573.68 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 5,118.43 | 1/2   | 4,799.86 | 1/2   | 4,468.28 | 1/2   | 4,111.07 | 1/2   | 3,730.47 | 1/2   | 3,342.18 | 1/2   | 2,953.89 | 1/2   | 2,565.59 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 5,110.82 | 3/4   | 4,793.19 | 3/4   | 4,461.08 | 3/4   | 4,103.37 | 3/4   | 3,722.38 | 3/4   | 3,334.09 | 3/4   | 2,945.80 | 3/4   | 2,557.51 |
| 9     | 9   | 9     | 9   | 9     | 5,103.21 | 9     | 4,786.52 | 9     | 4,453.87 | 9     | 4,095.67 | 9     | 3,714.29 | 9     | 3,326.00 | 9     | 2,937.71 | 9     | 2,549.42 |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 5,095.59 | 1/4   | 4,779.84 | 1/4   | 4,446.66 | 1/4   | 4,087.98 | 1/4   | 3,706.20 | 1/4   | 3,317.91 | 1/4   | 2,929.62 | 1/4   | 2,541.33 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 5,088.02 | 1/2   | 4,773.12 | 1/2   | 4,439.41 | 1/2   | 4,080.23 | 1/2   | 3,698.11 | 1/2   | 3,309.82 | 1/2   | 2,921.53 | 1/2   | 2,533.24 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 5,080.45 | 3/4   | 4,766.40 | 3/4   | 4,432.16 | 3/4   | 4,072.49 | 3/4   | 3,690.02 | 3/4   | 3,301.73 | 3/4   | 2,913.44 | 3/4   | 2,525.15 |
| 10    | 10  | 10    | 10  | 10    | 5,072.87 | 10    | 4,759.67 | 10    | 4,424.90 | 10    | 4,064.74 | 10    | 3,681.93 | 10    | 3,293.64 | 10    | 2,905.35 | 10    | 2,517.06 |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 5,065.30 | 1/4   | 4,752.95 | 1/4   | 4,417.65 | 1/4   | 4,057.00 | 1/4   | 3,673.84 | 1/4   | 3,285.55 | 1/4   | 2,897.26 | 1/4   | 2,508.97 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 5,057.73 | 1/2   | 4,746.19 | 1/2   | 4,410.36 | 1/2   | 4,049.21 | 1/2   | 3,665.75 | 1/2   | 3,277.46 | 1/2   | 2,889.17 | 1/2   | 2,500.88 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 5,050.15 | 3/4   | 4,739.44 | 3/4   | 4,403.07 | 3/4   | 4,041.43 | 3/4   | 3,657.66 | 3/4   | 3,269.37 | 3/4   | 2,881.08 | 3/4   | 2,492.79 |
| 11    | 11  | 11    | 11  | 11    | 5,042.58 | 11    | 4,732.68 | 11    | 4,395.78 | 11    | 4,033.65 | 11    | 3,649.57 | 11    | 3,261.28 | 11    | 2,872.99 | 11    | 2,484.70 |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 5,035.01 | 1/4   | 4,725.92 | 1/4   | 4,388.49 | 1/4   | 4,025.87 | 1/4   | 3,641.48 | 1/4   | 3,253.19 | 1/4   | 2,864.90 | 1/4   | 2,476.61 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 5,027.43 | 1/2   | 4,719.14 | 1/2   | 4,381.15 | 1/2   | 4,018.04 | 1/2   | 3,633.40 | 1/2   | 3,245.10 | 1/2   | 2,856.81 | 1/2   | 2,468.52 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 5,019.86 | 3/4   | 4,712.36 | 3/4   | 4,373.81 | 3/4   | 4,010.21 | 3/4   | 3,625.31 | 3/4   | 3,237.01 | 3/4   | 2,848.72 | 3/4   | 2,460.43 |

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 GAUGING DEVICE"  
 GAUGE POINT: (HERMETIC) LOCATED 12'-03" OFF CENTERLINE AND 50'-09" 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 27011"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 321"

GAUGE HEIGHT 16'-04 1/4"

| IN  | 10 FT.   | IN  | 11 FT.   | IN  | 12 FT.   | IN  | 13 FT.   | IN  | 14 FT. | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|----|--------|----|--------|
| 0   | 2,452.34 | 0   | 2,064.05 | 0   | 1,675.76 | 0   | 1,287.47 | 0   | 899.18 | 0   | 525.27 | 0   | 137.92 | 0   |        | 0  |        |    |        |
| 1/4 | 2,444.25 | 1/4 | 2,055.96 | 1/4 | 1,667.67 | 1/4 | 1,279.38 | 1/4 | 891.09 | 1/4 | 517.49 | 1/4 | 129.83 | 1/4 | 1/4    |    |        |    | 1/4    |
| 1/2 | 2,436.16 | 1/2 | 2,047.87 | 1/2 | 1,659.58 | 1/2 | 1,271.29 | 1/2 | 883.15 | 1/2 | 509.55 | 1/2 | 121.74 | 1/2 | 1/2    |    |        |    | 1/2    |
| 3/4 | 2,428.07 | 3/4 | 2,039.78 | 3/4 | 1,651.49 | 3/4 | 1,263.20 | 3/4 | 875.22 | 3/4 | 501.62 | 3/4 | 113.65 | 3/4 | 3/4    |    |        |    | 3/4    |
| 1   | 2,419.99 | 1   | 2,031.69 | 1   | 1,643.40 | 1   | 1,255.11 | 1   | 867.28 | 1   | 493.68 | 1   | 105.56 | 1   | 1      |    |        |    | 1      |
| 1/4 | 2,411.90 | 1/4 | 2,023.60 | 1/4 | 1,635.31 | 1/4 | 1,247.02 | 1/4 | 859.34 | 1/4 | 485.75 | 1/4 | 97.47  | 1/4 | 1/4    |    |        |    | 1/4    |
| 1/2 | 2,403.81 | 1/2 | 2,015.52 | 1/2 | 1,627.22 | 1/2 | 1,238.93 | 1/2 | 851.57 | 1/2 | 477.66 | 1/2 | 89.38  | 1/2 | 1/2    |    |        |    | 1/2    |
| 3/4 | 2,395.72 | 3/4 | 2,007.43 | 3/4 | 1,619.13 | 3/4 | 1,230.84 | 3/4 | 843.80 | 3/4 | 469.57 | 3/4 | 81.29  | 3/4 | 3/4    |    |        |    | 3/4    |
| 2   | 2,387.63 | 2   | 1,999.34 | 2   | 1,611.05 | 2   | 1,222.75 | 2   | 836.02 | 2   | 461.48 | 2   | 73.20  | 2   | 2      |    |        |    | 2      |
| 1/4 | 2,379.54 | 1/4 | 1,991.25 | 1/4 | 1,602.96 | 1/4 | 1,214.66 | 1/4 | 828.25 | 1/4 | 453.39 | 1/4 | 65.11  | 1/4 | 1/4    |    |        |    | 1/4    |
| 1/2 | 2,371.45 | 1/2 | 1,983.16 | 1/2 | 1,594.87 | 1/2 | 1,206.58 | 1/2 | 820.48 | 1/2 | 445.30 | 1/2 | 58.04  | 1/2 | 1/2    |    |        |    | 1/2    |
| 3/4 | 2,363.36 | 3/4 | 1,975.07 | 3/4 | 1,586.78 | 3/4 | 1,198.49 | 3/4 | 812.72 | 3/4 | 437.21 | 3/4 | 50.96  | 3/4 | 3/4    |    |        |    | 3/4    |
| 3   | 2,355.27 | 3   | 1,966.98 | 3   | 1,578.69 | 3   | 1,190.40 | 3   | 804.95 | 3   | 429.12 | 3   | 43.88  | 3   | 3      |    |        |    | 3      |
| 1/4 | 2,347.18 | 1/4 | 1,958.89 | 1/4 | 1,570.60 | 1/4 | 1,182.31 | 1/4 | 797.18 | 1/4 | 421.03 | 1/4 | 36.80  | 1/4 | 1/4    |    |        |    | 1/4    |
| 1/2 | 2,339.09 | 1/2 | 1,950.80 | 1/2 | 1,562.51 | 1/2 | 1,174.22 | 1/2 | 789.41 | 1/2 | 412.95 | 1/2 | 31.74  | 1/2 | 1/2    |    |        |    | 1/2    |
| 3/4 | 2,331.00 | 3/4 | 1,942.71 | 3/4 | 1,554.42 | 3/4 | 1,166.13 | 3/4 | 781.65 | 3/4 | 404.86 | 3/4 | 26.69  | 3/4 | 3/4    |    |        |    | 3/4    |
| 4   | 2,322.91 | 4   | 1,934.62 | 4   | 1,546.33 | 4   | 1,158.04 | 4   | 773.88 | 4   | 396.77 | 4   | 21.63  | 4   | 4      |    |        |    | 4      |
| 1/4 | 2,314.82 | 1/4 | 1,926.53 | 1/4 | 1,538.24 | 1/4 | 1,149.95 | 1/4 | 766.11 | 1/4 | 388.68 | 1/4 | 16.58  | 1/4 | 1/4    |    |        |    | 1/4    |
| 1/2 | 2,306.73 | 1/2 | 1,918.44 | 1/2 | 1,530.15 | 1/2 | 1,141.86 | 1/2 | 758.35 | 1/2 | 380.59 | 1/2 |        | 1/2 | 1/2    |    |        |    | 1/2    |
| 3/4 | 2,298.64 | 3/4 | 1,910.35 | 3/4 | 1,522.06 | 3/4 | 1,133.77 | 3/4 | 750.58 | 3/4 | 372.50 | 3/4 |        | 3/4 | 3/4    |    |        |    | 3/4    |
| 5   | 2,290.56 | 5   | 1,902.26 | 5   | 1,513.97 | 5   | 1,125.68 | 5   | 742.81 | 5   | 364.41 | 5   |        | 5   | 5      |    |        |    | 5      |
| 1/4 | 2,282.47 | 1/4 | 1,894.17 | 1/4 | 1,505.88 | 1/4 | 1,117.59 | 1/4 | 735.05 | 1/4 | 356.32 | 1/4 |        | 1/4 | 1/4    |    |        |    | 1/4    |
| 1/2 | 2,274.38 | 1/2 | 1,886.09 | 1/2 | 1,497.79 | 1/2 | 1,109.50 | 1/2 | 727.28 | 1/2 | 348.23 | 1/2 |        | 1/2 | 1/2    |    |        |    | 1/2    |
| 3/4 | 2,266.29 | 3/4 | 1,878.00 | 3/4 | 1,489.70 | 3/4 | 1,101.41 | 3/4 | 719.51 | 3/4 | 340.14 | 3/4 |        | 3/4 | 3/4    |    |        |    | 3/4    |
| 6   | 2,258.20 | 6   | 1,869.91 | 6   | 1,481.62 | 6   | 1,093.32 | 6   | 711.74 | 6   | 332.05 | 6   |        | 6   | 6      |    |        |    | 6      |
| 1/4 | 2,250.11 | 1/4 | 1,861.82 | 1/4 | 1,473.53 | 1/4 | 1,085.23 | 1/4 | 703.98 | 1/4 | 323.97 | 1/4 |        | 1/4 | 1/4    |    |        |    | 1/4    |
| 1/2 | 2,242.02 | 1/2 | 1,853.73 | 1/2 | 1,465.44 | 1/2 | 1,077.15 | 1/2 | 696.21 | 1/2 | 315.88 | 1/2 |        | 1/2 | 1/2    |    |        |    | 1/2    |
| 3/4 | 2,233.93 | 3/4 | 1,845.64 | 3/4 | 1,457.35 | 3/4 | 1,069.06 | 3/4 | 688.45 | 3/4 | 307.79 | 3/4 |        | 3/4 | 3/4    |    |        |    | 3/4    |
| 7   | 2,225.84 | 7   | 1,837.55 | 7   | 1,449.26 | 7   | 1,060.97 | 7   | 680.68 | 7   | 299.70 | 7   |        | 7   | 7      |    |        |    | 7      |
| 1/4 | 2,217.75 | 1/4 | 1,829.46 | 1/4 | 1,441.17 | 1/4 | 1,052.88 | 1/4 | 672.91 | 1/4 | 291.61 | 1/4 |        | 1/4 | 1/4    |    |        |    | 1/4    |
| 1/2 | 2,209.66 | 1/2 | 1,821.37 | 1/2 | 1,433.08 | 1/2 | 1,044.79 | 1/2 | 665.15 | 1/2 | 283.52 | 1/2 |        | 1/2 | 1/2    |    |        |    | 1/2    |
| 3/4 | 2,201.57 | 3/4 | 1,813.28 | 3/4 | 1,424.99 | 3/4 | 1,036.70 | 3/4 | 657.38 | 3/4 | 275.43 | 3/4 |        | 3/4 | 3/4    |    |        |    | 3/4    |
| 8   | 2,193.48 | 8   | 1,805.19 | 8   | 1,416.90 | 8   | 1,028.61 | 8   | 649.62 | 8   | 267.34 | 8   |        | 8   | 8      |    |        |    | 8      |
| 1/4 | 2,185.39 | 1/4 | 1,797.10 | 1/4 | 1,408.81 | 1/4 | 1,020.52 | 1/4 | 641.85 | 1/4 | 259.25 | 1/4 |        | 1/4 | 1/4    |    |        |    | 1/4    |
| 1/2 | 2,177.30 | 1/2 | 1,789.01 | 1/2 | 1,400.72 | 1/2 | 1,012.43 | 1/2 | 634.08 | 1/2 | 251.16 | 1/2 |        | 1/2 | 1/2    |    |        |    | 1/2    |
| 3/4 | 2,169.21 | 3/4 | 1,780.92 | 3/4 | 1,392.63 | 3/4 | 1,004.34 | 3/4 | 626.32 | 3/4 | 243.07 | 3/4 |        | 3/4 | 3/4    |    |        |    | 3/4    |
| 9   | 2,161.12 | 9   | 1,772.83 | 9   | 1,384.54 | 9   | 996.25   | 9   | 618.55 | 9   | 234.99 | 9   |        | 9   | 9      |    |        |    | 9      |
| 1/4 | 2,153.04 | 1/4 | 1,764.74 | 1/4 | 1,376.45 | 1/4 | 988.16   | 1/4 | 610.78 | 1/4 | 226.90 | 1/4 |        | 1/4 | 1/4    |    |        |    | 1/4    |
| 1/2 | 2,144.95 | 1/2 | 1,756.65 | 1/2 | 1,368.36 | 1/2 | 980.07   | 1/2 | 603.02 | 1/2 | 218.81 | 1/2 |        | 1/2 | 1/2    |    |        |    | 1/2    |
| 3/4 | 2,136.86 | 3/4 | 1,748.57 | 3/4 | 1,360.27 | 3/4 | 971.98   | 3/4 | 595.25 | 3/4 | 210.72 | 3/4 |        | 3/4 | 3/4    |    |        |    | 3/4    |
| 10  | 2,128.77 | 10  | 1,740.48 | 10  | 1,352.18 | 10  | 963.89   | 10  | 587.48 | 10  | 202.63 | 10  |        | 10  | 10     |    |        |    | 10     |
| 1/4 | 2,120.68 | 1/4 | 1,732.39 | 1/4 | 1,344.10 | 1/4 | 955.80   | 1/4 | 579.71 | 1/4 | 194.54 | 1/4 |        | 1/4 | 1/4    |    |        |    | 1/4    |
| 1/2 | 2,112.59 | 1/2 | 1,724.30 | 1/2 | 1,336.01 | 1/2 | 947.71   | 1/2 | 571.94 | 1/2 | 186.45 | 1/2 |        | 1/2 | 1/2    |    |        |    | 1/2    |
| 3/4 | 2,104.50 | 3/4 | 1,716.21 | 3/4 | 1,327.92 | 3/4 | 939.63   | 3/4 | 564.17 | 3/4 | 178.36 | 3/4 |        | 3/4 | 3/4    |    |        |    | 3/4    |
| 11  | 2,096.41 | 11  | 1,708.12 | 11  | 1,319.83 | 11  | 931.54   | 11  | 556.39 | 11  | 170.27 | 11  |        | 11  | 11     |    |        |    | 11     |
| 1/4 | 2,088.32 | 1/4 | 1,700.03 | 1/4 | 1,311.74 | 1/4 | 923.45   | 1/4 | 548.62 | 1/4 | 162.18 | 1/4 |        | 1/4 | 1/4    |    |        |    | 1/4    |
| 1/2 | 2,080.23 | 1/2 | 1,691.94 | 1/2 | 1,303.65 | 1/2 | 915.36   | 1/2 | 540.84 | 1/2 | 154.09 | 1/2 |        | 1/2 | 1/2    |    |        |    | 1/2    |
| 3/4 | 2,072.14 | 3/4 | 1,683.85 | 3/4 | 1,295.56 | 3/4 | 907.27   | 3/4 | 533.06 | 3/4 | 146.01 | 3/4 |        | 3/4 | 3/4    |    |        |    | 3/4    |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/26/2013  
RECALCULATED: 12/28/2018  
VERIFIED: 01/31/2024 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2024

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





# BARGE "KIRBY 27011"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 321"

GAUGE HEIGHT 16'-04 1/4"

| 0 FT. |     | 1 FT. |     | 2 FT. |     | 3 FT.    |     | 4 FT.    |     | 5 FT.    |     | 6 FT.    |     | 7 FT.    |     | 8 FT.    |     | 9 FT.    |     |
|-------|-----|-------|-----|-------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|
| 0     | 1/4 | 0     | 1/4 | 0     | 1/4 | 0        | 1/4 | 0        | 1/4 | 0        | 1/4 | 0        | 1/4 | 0        | 1/4 | 0        | 1/4 | 0        | 1/4 |
| 0     |     | 0     |     | 0     |     | 5,023.75 |     | 4,717.18 |     | 4,378.27 |     | 4,014.40 |     | 3,629.47 |     | 3,241.44 |     | 2,853.41 |     |
| 1/4   |     | 1/4   |     | 1/4   |     | 5,016.19 |     | 4,710.40 |     | 4,370.93 |     | 4,006.57 |     | 3,621.38 |     | 3,233.36 |     | 2,845.33 |     |
| 1/2   |     | 1/2   |     | 1/2   |     | 5,010.31 |     | 4,703.58 |     | 4,363.56 |     | 3,998.71 |     | 3,613.30 |     | 3,225.27 |     | 2,837.25 |     |
| 3/4   |     | 3/4   |     | 3/4   |     | 5,004.44 |     | 4,696.75 |     | 4,356.19 |     | 3,990.85 |     | 3,605.22 |     | 3,217.19 |     | 2,829.16 |     |
| 1     |     | 1     |     | 1     |     | 4,998.57 |     | 4,689.93 |     | 4,348.82 |     | 3,982.99 |     | 3,597.13 |     | 3,209.11 |     | 2,821.08 |     |
| 1/4   |     | 1/4   |     | 1/4   |     | 4,992.70 |     | 4,683.10 |     | 4,341.45 |     | 3,975.13 |     | 3,589.05 |     | 3,201.02 |     | 2,812.99 |     |
| 1/2   |     | 1/2   |     | 1/2   |     | 4,986.79 |     | 4,676.24 |     | 4,334.05 |     | 3,967.22 |     | 3,580.97 |     | 3,192.94 |     | 2,804.91 |     |
| 3/4   |     | 3/4   |     | 3/4   |     | 4,980.89 |     | 4,669.38 |     | 4,326.64 |     | 3,959.31 |     | 3,572.88 |     | 3,184.85 |     | 2,796.83 |     |
| 2     |     | 2     |     | 2     |     | 4,974.98 |     | 4,662.51 |     | 4,319.24 |     | 3,951.40 |     | 3,564.80 |     | 3,176.77 |     | 2,788.74 |     |
| 1/4   |     | 1/4   |     | 1/4   |     | 4,969.07 |     | 4,655.65 |     | 4,311.83 |     | 3,943.48 |     | 3,556.71 |     | 3,168.69 |     | 2,780.66 |     |
| 1/2   |     | 1/2   |     | 1/2   |     | 4,963.11 |     | 4,648.74 |     | 4,304.38 |     | 3,935.54 |     | 3,548.63 |     | 3,160.60 |     | 2,772.58 |     |
| 3/4   |     | 3/4   |     | 3/4   |     | 4,957.16 |     | 4,641.83 |     | 4,296.92 |     | 3,927.60 |     | 3,540.55 |     | 3,152.52 |     | 2,764.49 |     |
| 3     |     | 3     |     | 3     |     | 4,951.20 |     | 4,634.92 |     | 4,289.47 |     | 3,919.65 |     | 3,532.46 |     | 3,144.43 |     | 2,756.41 |     |
| 1/4   |     | 1/4   |     | 1/4   |     | 4,945.24 |     | 4,628.01 |     | 4,282.02 |     | 3,911.71 |     | 3,524.38 |     | 3,136.35 |     | 2,748.32 |     |
| 1/2   |     | 1/2   |     | 1/2   |     | 4,939.25 |     | 4,621.07 |     | 4,274.54 |     | 3,903.72 |     | 3,516.29 |     | 3,128.27 |     | 2,740.24 |     |
| 3/4   |     | 3/4   |     | 3/4   |     | 4,933.26 |     | 4,614.12 |     | 4,267.06 |     | 3,895.74 |     | 3,508.21 |     | 3,120.18 |     | 2,732.16 |     |
| 4     |     | 4     |     | 4     |     | 4,927.27 |     | 4,607.17 |     | 4,259.58 |     | 3,887.76 |     | 3,500.13 |     | 3,112.10 |     | 2,724.07 |     |
| 1/4   |     | 1/4   |     | 1/4   |     | 4,921.28 |     | 4,600.23 |     | 4,252.10 |     | 3,879.78 |     | 3,492.04 |     | 3,104.02 |     | 2,715.99 |     |
| 1/2   |     | 1/2   |     | 1/2   |     | 4,915.25 |     | 4,593.22 |     | 4,244.58 |     | 3,871.75 |     | 3,483.96 |     | 3,095.93 |     | 2,707.90 |     |
| 3/4   |     | 3/4   |     | 3/4   |     | 4,909.22 |     | 4,586.21 |     | 4,237.05 |     | 3,863.72 |     | 3,475.87 |     | 3,087.85 |     | 2,699.82 |     |
| 5     |     | 5     |     | 5     |     | 4,903.19 |     | 4,579.20 |     | 4,229.53 |     | 3,855.70 |     | 3,467.79 |     | 3,079.76 |     | 2,691.74 |     |
| 1/4   |     | 1/4   |     | 1/4   |     | 4,897.17 |     | 4,572.20 |     | 4,222.00 |     | 3,847.67 |     | 3,459.71 |     | 3,071.68 |     | 2,683.65 |     |
| 1/2   |     | 1/2   |     | 1/2   |     | 4,890.62 |     | 4,565.16 |     | 4,214.44 |     | 3,839.60 |     | 3,451.62 |     | 3,063.60 |     | 2,675.57 |     |
| 3/4   |     | 3/4   |     | 3/4   |     | 4,884.07 |     | 4,558.11 |     | 4,206.88 |     | 3,831.53 |     | 3,443.54 |     | 3,055.51 |     | 2,667.48 |     |
| 6     |     | 6     |     | 6     |     | 4,877.52 |     | 4,551.07 |     | 4,199.31 |     | 3,823.47 |     | 3,435.46 |     | 3,047.43 |     | 2,659.40 |     |
| 1/4   |     | 1/4   |     | 1/4   |     | 5,198.32 |     | 4,870.97 |     | 4,544.03 |     | 4,191.75 |     | 3,815.40 |     | 3,427.37 |     | 3,039.34 |     |
| 1/2   |     | 1/2   |     | 1/2   |     | 5,190.71 |     | 4,864.39 |     | 4,536.95 |     | 4,184.14 |     | 3,807.31 |     | 3,419.29 |     | 3,031.26 |     |
| 3/4   |     | 3/4   |     | 3/4   |     | 5,183.10 |     | 4,857.80 |     | 4,529.88 |     | 4,176.53 |     | 3,799.23 |     | 3,411.20 |     | 3,023.18 |     |
| 7     |     | 7     |     | 7     |     | 5,175.49 |     | 4,851.21 |     | 4,522.80 |     | 4,168.91 |     | 3,791.15 |     | 3,403.12 |     | 3,015.09 |     |
| 1/4   |     | 1/4   |     | 1/4   |     | 5,167.88 |     | 4,844.63 |     | 4,515.72 |     | 4,161.30 |     | 3,783.06 |     | 3,395.04 |     | 3,007.01 |     |
| 1/2   |     | 1/2   |     | 1/2   |     | 5,160.27 |     | 4,837.99 |     | 4,508.60 |     | 4,153.66 |     | 3,774.98 |     | 3,386.95 |     | 2,998.92 |     |
| 3/4   |     | 3/4   |     | 3/4   |     | 5,152.66 |     | 4,831.36 |     | 4,501.47 |     | 4,146.01 |     | 3,766.90 |     | 3,378.87 |     | 2,990.84 |     |
| 8     |     | 8     |     | 8     |     | 5,145.06 |     | 4,824.73 |     | 4,494.35 |     | 4,138.37 |     | 3,758.81 |     | 3,370.78 |     | 2,982.76 |     |
| 1/4   |     | 1/4   |     | 1/4   |     | 5,137.45 |     | 4,818.09 |     | 4,487.22 |     | 4,130.72 |     | 3,750.73 |     | 3,362.70 |     | 2,974.67 |     |
| 1/2   |     | 1/2   |     | 1/2   |     | 5,129.84 |     | 4,811.42 |     | 4,480.02 |     | 4,123.03 |     | 3,742.64 |     | 3,354.62 |     | 2,966.59 |     |
| 3/4   |     | 3/4   |     | 3/4   |     | 5,122.23 |     | 4,804.75 |     | 4,472.82 |     | 4,115.33 |     | 3,734.56 |     | 3,346.53 |     | 2,958.50 |     |
| 9     |     | 9     |     | 9     |     | 5,114.62 |     | 4,798.08 |     | 4,465.62 |     | 4,107.64 |     | 3,726.48 |     | 3,338.45 |     | 2,950.42 |     |
| 1/4   |     | 1/4   |     | 1/4   |     | 5,107.01 |     | 4,791.41 |     | 4,458.42 |     | 4,099.94 |     | 3,718.39 |     | 3,330.36 |     | 2,942.34 |     |
| 1/2   |     | 1/2   |     | 1/2   |     | 5,099.44 |     | 4,784.69 |     | 4,451.17 |     | 4,092.20 |     | 3,710.31 |     | 3,322.28 |     | 2,934.25 |     |
| 3/4   |     | 3/4   |     | 3/4   |     | 5,091.87 |     | 4,777.97 |     | 4,443.92 |     | 4,084.46 |     | 3,702.22 |     | 3,314.20 |     | 2,926.17 |     |
| 10    |     | 10    |     | 10    |     | 5,084.30 |     | 4,771.25 |     | 4,436.67 |     | 4,076.72 |     | 3,694.14 |     | 3,306.11 |     | 2,918.09 |     |
| 1/4   |     | 1/4   |     | 1/4   |     | 5,076.73 |     | 4,764.53 |     | 4,429.42 |     | 4,068.98 |     | 3,686.06 |     | 3,298.03 |     | 2,910.00 |     |
| 1/2   |     | 1/2   |     | 1/2   |     | 5,069.17 |     | 4,757.78 |     | 4,422.13 |     | 4,061.21 |     | 3,677.97 |     | 3,289.94 |     | 2,901.92 |     |
| 3/4   |     | 3/4   |     | 3/4   |     | 5,061.60 |     | 4,751.03 |     | 4,414.85 |     | 4,053.43 |     | 3,669.89 |     | 3,281.86 |     | 2,893.83 |     |
| 11    |     | 11    |     | 11    |     | 5,054.03 |     | 4,744.27 |     | 4,407.56 |     | 4,045.65 |     | 3,661.80 |     | 3,273.78 |     | 2,885.75 |     |
| 1/4   |     | 1/4   |     | 1/4   |     | 5,046.46 |     | 4,737.52 |     | 4,400.27 |     | 4,037.87 |     | 3,653.72 |     | 3,265.69 |     | 2,877.67 |     |
| 1/2   |     | 1/2   |     | 1/2   |     | 5,038.89 |     | 4,730.74 |     | 4,392.94 |     | 4,030.05 |     | 3,645.64 |     | 3,257.61 |     | 2,869.58 |     |
| 3/4   |     | 3/4   |     | 3/4   |     | 5,031.32 |     | 4,723.96 |     | 4,385.60 |     | 4,022.22 |     | 3,637.55 |     | 3,249.53 |     | 2,861.50 |     |

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 GAUGING DEVICE"  
 GAUGE POINT: (HERMETIC) LOCATED 12'-03" OFF CENTERLINE AND 50'-09" 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 27011"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 321"

GAUGE HEIGHT 16'-04 1/4"

| IN  | 10 FT.   | IN  | 11 FT.   | IN  | 12 FT.   | IN  | 13 FT.   | IN  | 14 FT. | IN  | 15 FT. | IN  | 16 FT. | IN  | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|----|--------|----|--------|
| 0   | 2,465.39 | 0   | 2,077.36 | 0   | 1,689.33 | 0   | 1,301.31 | 0   | 913.28 | 0   | 525.84 | 0   | 137.82 | 0   |        | 0  |        | 0  |        |
| 1/4 | 2,457.30 | 1/4 | 2,069.28 | 1/4 | 1,681.25 | 1/4 | 1,293.22 | 1/4 | 905.19 | 1/4 | 517.75 | 1/4 | 129.74 | 1/4 | 1/4    |    | 1/4    |    | 1/4    |
| 1/2 | 2,449.22 | 1/2 | 2,061.19 | 1/2 | 1,673.16 | 1/2 | 1,285.14 | 1/2 | 897.11 | 1/2 | 509.67 | 1/2 | 121.65 | 1/2 | 1/2    |    | 1/2    |    | 1/2    |
| 3/4 | 2,441.14 | 3/4 | 2,053.11 | 3/4 | 1,665.08 | 3/4 | 1,277.05 | 3/4 | 889.03 | 3/4 | 501.59 | 3/4 | 113.57 | 3/4 | 3/4    |    | 3/4    |    | 3/4    |
| 1   | 2,433.05 | 1   | 2,045.02 | 1   | 1,657.00 | 1   | 1,268.97 | 1   | 880.94 | 1   | 493.50 | 1   | 105.49 | 1   | 1      |    | 1      |    | 1      |
| 1/4 | 2,424.97 | 1/4 | 2,036.94 | 1/4 | 1,648.91 | 1/4 | 1,260.89 | 1/4 | 872.86 | 1/4 | 485.42 | 1/4 | 97.40  | 1/4 | 1/4    |    | 1/4    |    | 1/4    |
| 1/2 | 2,416.88 | 1/2 | 2,028.86 | 1/2 | 1,640.83 | 1/2 | 1,252.80 | 1/2 | 864.78 | 1/2 | 477.34 | 1/2 | 89.32  | 1/2 | 1/2    |    | 1/2    |    | 1/2    |
| 3/4 | 2,408.80 | 3/4 | 2,020.77 | 3/4 | 1,632.75 | 3/4 | 1,244.72 | 3/4 | 856.71 | 3/4 | 469.25 | 3/4 | 81.23  | 3/4 | 3/4    |    | 3/4    |    | 3/4    |
| 2   | 2,400.72 | 2   | 2,012.69 | 2   | 1,624.66 | 2   | 1,236.63 | 2   | 848.63 | 2   | 461.17 | 2   | 73.15  | 2   | 2      |    | 2      |    | 2      |
| 1/4 | 2,392.63 | 1/4 | 2,004.60 | 1/4 | 1,616.58 | 1/4 | 1,228.55 | 1/4 | 840.56 | 1/4 | 453.09 | 1/4 | 65.07  | 1/4 | 1/4    |    | 1/4    |    | 1/4    |
| 1/2 | 2,384.55 | 1/2 | 1,996.52 | 1/2 | 1,608.49 | 1/2 | 1,220.47 | 1/2 | 832.49 | 1/2 | 445.00 | 1/2 | 57.99  | 1/2 | 1/2    |    | 1/2    |    | 1/2    |
| 3/4 | 2,376.46 | 3/4 | 1,988.44 | 3/4 | 1,600.41 | 3/4 | 1,212.38 | 3/4 | 824.42 | 3/4 | 436.92 | 3/4 | 50.92  | 3/4 | 3/4    |    | 3/4    |    | 3/4    |
| 3   | 2,368.38 | 3   | 1,980.35 | 3   | 1,592.33 | 3   | 1,204.30 | 3   | 816.35 | 3   | 428.83 | 3   | 43.85  | 3   | 3      |    | 3      |    | 3      |
| 1/4 | 2,360.30 | 1/4 | 1,972.27 | 1/4 | 1,584.24 | 1/4 | 1,196.21 | 1/4 | 808.29 | 1/4 | 420.75 | 1/4 | 36.77  | 1/4 | 1/4    |    | 1/4    |    | 1/4    |
| 1/2 | 2,352.21 | 1/2 | 1,964.19 | 1/2 | 1,576.16 | 1/2 | 1,188.13 | 1/2 | 800.22 | 1/2 | 412.67 | 1/2 | 31.72  | 1/2 | 1/2    |    | 1/2    |    | 1/2    |
| 3/4 | 2,344.13 | 3/4 | 1,956.10 | 3/4 | 1,568.07 | 3/4 | 1,180.05 | 3/4 | 792.15 | 3/4 | 404.58 | 3/4 | 26.67  | 3/4 | 3/4    |    | 3/4    |    | 3/4    |
| 4   | 2,336.04 | 4   | 1,948.02 | 4   | 1,559.99 | 4   | 1,171.96 | 4   | 784.08 | 4   | 396.50 | 4   | 21.61  | 4   | 4      |    | 4      |    | 4      |
| 1/4 | 2,327.96 | 1/4 | 1,939.93 | 1/4 | 1,551.91 | 1/4 | 1,163.88 | 1/4 | 776.01 | 1/4 | 388.42 | 1/4 | 16.57  | 1/4 | 1/4    |    | 1/4    |    | 1/4    |
| 1/2 | 2,319.88 | 1/2 | 1,931.85 | 1/2 | 1,543.82 | 1/2 | 1,155.80 | 1/2 | 767.95 | 1/2 | 380.33 | 1/2 |        | 1/2 | 1/2    |    | 1/2    |    | 1/2    |
| 3/4 | 2,311.79 | 3/4 | 1,923.77 | 3/4 | 1,535.74 | 3/4 | 1,147.71 | 3/4 | 759.88 | 3/4 | 372.25 | 3/4 |        | 3/4 | 3/4    |    | 3/4    |    | 3/4    |
| 5   | 2,303.71 | 5   | 1,915.68 | 5   | 1,527.65 | 5   | 1,139.63 | 5   | 751.81 | 5   | 364.16 | 5   |        | 5   | 5      |    | 5      |    | 5      |
| 1/4 | 2,295.63 | 1/4 | 1,907.60 | 1/4 | 1,519.57 | 1/4 | 1,131.54 | 1/4 | 743.74 | 1/4 | 356.08 | 1/4 |        | 1/4 | 1/4    |    | 1/4    |    | 1/4    |
| 1/2 | 2,287.54 | 1/2 | 1,899.51 | 1/2 | 1,511.49 | 1/2 | 1,123.46 | 1/2 | 735.67 | 1/2 | 348.00 | 1/2 |        | 1/2 | 1/2    |    | 1/2    |    | 1/2    |
| 3/4 | 2,279.46 | 3/4 | 1,891.43 | 3/4 | 1,503.40 | 3/4 | 1,115.38 | 3/4 | 727.60 | 3/4 | 339.91 | 3/4 |        | 3/4 | 3/4    |    | 3/4    |    | 3/4    |
| 6   | 2,271.37 | 6   | 1,883.35 | 6   | 1,495.32 | 6   | 1,107.29 | 6   | 719.54 | 6   | 331.83 | 6   |        | 6   | 6      |    | 6      |    | 6      |
| 1/4 | 2,263.29 | 1/4 | 1,875.26 | 1/4 | 1,487.24 | 1/4 | 1,099.21 | 1/4 | 711.47 | 1/4 | 323.75 | 1/4 |        | 1/4 | 1/4    |    | 1/4    |    | 1/4    |
| 1/2 | 2,255.21 | 1/2 | 1,867.18 | 1/2 | 1,479.15 | 1/2 | 1,091.12 | 1/2 | 703.40 | 1/2 | 315.66 | 1/2 |        | 1/2 | 1/2    |    | 1/2    |    | 1/2    |
| 3/4 | 2,247.12 | 3/4 | 1,859.09 | 3/4 | 1,471.07 | 3/4 | 1,083.04 | 3/4 | 695.33 | 3/4 | 307.58 | 3/4 |        | 3/4 | 3/4    |    | 3/4    |    | 3/4    |
| 7   | 2,239.04 | 7   | 1,851.01 | 7   | 1,462.98 | 7   | 1,074.96 | 7   | 687.27 | 7   | 299.49 | 7   |        | 7   | 7      |    | 7      |    | 7      |
| 1/4 | 2,230.95 | 1/4 | 1,842.93 | 1/4 | 1,454.90 | 1/4 | 1,066.87 | 1/4 | 679.20 | 1/4 | 291.41 | 1/4 |        | 1/4 | 1/4    |    | 1/4    |    | 1/4    |
| 1/2 | 2,222.87 | 1/2 | 1,834.84 | 1/2 | 1,446.82 | 1/2 | 1,058.79 | 1/2 | 671.13 | 1/2 | 283.33 | 1/2 |        | 1/2 | 1/2    |    | 1/2    |    | 1/2    |
| 3/4 | 2,214.79 | 3/4 | 1,826.76 | 3/4 | 1,438.73 | 3/4 | 1,050.70 | 3/4 | 663.07 | 3/4 | 275.24 | 3/4 |        | 3/4 | 3/4    |    | 3/4    |    | 3/4    |
| 8   | 2,206.70 | 8   | 1,818.68 | 8   | 1,430.65 | 8   | 1,042.62 | 8   | 655.00 | 8   | 267.16 | 8   |        | 8   | 8      |    | 8      |    | 8      |
| 1/4 | 2,198.62 | 1/4 | 1,810.59 | 1/4 | 1,422.56 | 1/4 | 1,034.54 | 1/4 | 646.93 | 1/4 | 259.08 | 1/4 |        | 1/4 | 1/4    |    | 1/4    |    | 1/4    |
| 1/2 | 2,190.53 | 1/2 | 1,802.51 | 1/2 | 1,414.48 | 1/2 | 1,026.45 | 1/2 | 638.86 | 1/2 | 250.99 | 1/2 |        | 1/2 | 1/2    |    | 1/2    |    | 1/2    |
| 3/4 | 2,182.45 | 3/4 | 1,794.42 | 3/4 | 1,406.40 | 3/4 | 1,018.37 | 3/4 | 630.80 | 3/4 | 242.91 | 3/4 |        | 3/4 | 3/4    |    | 3/4    |    | 3/4    |
| 9   | 2,174.37 | 9   | 1,786.34 | 9   | 1,398.31 | 9   | 1,010.29 | 9   | 622.73 | 9   | 234.83 | 9   |        | 9   | 9      |    | 9      |    | 9      |
| 1/4 | 2,166.28 | 1/4 | 1,778.26 | 1/4 | 1,390.23 | 1/4 | 1,002.20 | 1/4 | 614.66 | 1/4 | 226.74 | 1/4 |        | 1/4 | 1/4    |    | 1/4    |    | 1/4    |
| 1/2 | 2,158.20 | 1/2 | 1,770.17 | 1/2 | 1,382.14 | 1/2 | 994.12   | 1/2 | 606.59 | 1/2 | 218.66 | 1/2 |        | 1/2 | 1/2    |    | 1/2    |    | 1/2    |
| 3/4 | 2,150.11 | 3/4 | 1,762.09 | 3/4 | 1,374.06 | 3/4 | 986.03   | 3/4 | 598.52 | 3/4 | 210.57 | 3/4 |        | 3/4 | 3/4    |    | 3/4    |    | 3/4    |
| 10  | 2,142.03 | 10  | 1,754.00 | 10  | 1,365.98 | 10  | 977.95   | 10  | 590.46 | 10  | 202.49 | 10  |        | 10  | 10     |    | 10     |    | 10     |
| 1/4 | 2,133.95 | 1/4 | 1,745.92 | 1/4 | 1,357.89 | 1/4 | 969.87   | 1/4 | 582.39 | 1/4 | 194.41 | 1/4 |        | 1/4 | 1/4    |    | 1/4    |    | 1/4    |
| 1/2 | 2,125.86 | 1/2 | 1,737.84 | 1/2 | 1,349.81 | 1/2 | 961.78   | 1/2 | 574.31 | 1/2 | 186.32 | 1/2 |        | 1/2 | 1/2    |    | 1/2    |    | 1/2    |
| 3/4 | 2,117.78 | 3/4 | 1,729.75 | 3/4 | 1,341.72 | 3/4 | 953.70   | 3/4 | 566.24 | 3/4 | 178.24 | 3/4 |        | 3/4 | 3/4    |    | 3/4    |    | 3/4    |
| 11  | 2,109.70 | 11  | 1,721.67 | 11  | 1,333.64 | 11  | 945.61   | 11  | 558.16 | 11  | 170.16 | 11  |        | 11  | 11     |    | 11     |    | 11     |
| 1/4 | 2,101.61 | 1/4 | 1,713.58 | 1/4 | 1,325.56 | 1/4 | 937.53   | 1/4 | 550.09 | 1/4 | 162.07 | 1/4 |        | 1/4 | 1/4    |    | 1/4    |    | 1/4    |
| 1/2 | 2,093.53 | 1/2 | 1,705.50 | 1/2 | 1,317.47 | 1/2 | 929.45   | 1/2 | 542.01 | 1/2 | 153.99 | 1/2 |        | 1/2 | 1/2    |    | 1/2    |    | 1/2    |
| 3/4 | 2,085.44 | 3/4 | 1,697.42 | 3/4 | 1,309.39 | 3/4 | 921.36   | 3/4 | 533.92 | 3/4 | 145.90 | 3/4 |        | 3/4 | 3/4    |    | 3/4    |    | 3/4    |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/26/2013  
RECALCULATED: 12/28/2018  
VERIFIED: 01/31/2024 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2024

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
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# BARGE "KIRBY 27011"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 321"

GAUGE HEIGHT 16'-04 1/2"

| 0 FT. |     | 1 FT. |     | 2 FT. |     | 3 FT. |          | 4 FT. |          | 5 FT. |          | 6 FT. |          | 7 FT. |          | 8 FT. |          | 9 FT. |          |
|-------|-----|-------|-----|-------|-----|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| 0     | 1/4 | 0     | 1/4 | 0     | 1/4 | 0     | 1/4      | 0     | 1/4      | 0     | 1/4      | 0     | 1/4      | 0     | 1/4      | 0     | 1/4      | 0     | 1/4      |
| 0     |     | 0     |     | 0     |     | 0     | 4,273.70 | 0     | 4,074.46 | 0     | 3,856.25 | 0     | 3,615.06 | 0     | 3,352.69 | 0     | 3,001.17 | 0     | 2,641.43 |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 4,268.23 | 1/4   | 4,070.16 | 1/4   | 3,851.44 | 1/4   | 3,609.77 | 1/4   | 3,347.17 | 1/4   | 2,993.69 | 1/4   | 2,633.94 |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 4,262.76 | 1/2   | 4,065.86 | 1/2   | 3,846.64 | 1/2   | 3,604.48 | 1/2   | 3,341.64 | 1/2   | 2,986.20 | 1/2   | 2,626.44 |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 4,258.86 | 3/4   | 4,061.52 | 3/4   | 3,841.80 | 3/4   | 3,599.15 | 3/4   | 3,335.13 | 3/4   | 2,978.71 | 3/4   | 2,618.95 |
| 1     |     | 1     |     | 1     |     | 1     | 4,254.97 | 1     | 4,057.18 | 1     | 3,836.97 | 1     | 3,593.83 | 1     | 3,328.62 | 1     | 2,971.21 | 1     | 2,611.45 |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 4,251.07 | 1/4   | 4,052.84 | 1/4   | 3,832.13 | 1/4   | 3,588.50 | 1/4   | 3,322.11 | 1/4   | 2,963.72 | 1/4   | 2,603.96 |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 4,247.17 | 1/2   | 4,048.49 | 1/2   | 3,827.30 | 1/2   | 3,583.17 | 1/2   | 3,315.60 | 1/2   | 2,956.22 | 1/2   | 2,596.46 |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 4,243.25 | 3/4   | 4,044.12 | 3/4   | 3,822.43 | 3/4   | 3,577.80 | 3/4   | 3,308.11 | 3/4   | 2,948.73 | 3/4   | 2,588.97 |
| 2     |     | 2     |     | 2     |     | 2     | 4,239.32 | 2     | 4,039.74 | 2     | 3,817.56 | 2     | 3,572.43 | 2     | 3,300.61 | 2     | 2,941.23 | 2     | 2,581.47 |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 4,235.39 | 1/4   | 4,035.36 | 1/4   | 3,812.69 | 1/4   | 3,567.06 | 1/4   | 3,293.12 | 1/4   | 2,933.74 | 1/4   | 2,573.98 |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 4,231.46 | 1/2   | 4,030.98 | 1/2   | 3,807.82 | 1/2   | 3,561.68 | 1/2   | 3,285.63 | 1/2   | 2,926.24 | 1/2   | 2,566.48 |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 4,227.48 | 3/4   | 4,026.56 | 3/4   | 3,802.90 | 3/4   | 3,556.28 | 3/4   | 3,278.13 | 3/4   | 2,918.75 | 3/4   | 2,558.98 |
| 3     |     | 3     |     | 3     |     | 3     | 4,223.51 | 3     | 4,022.14 | 3     | 3,797.99 | 3     | 3,550.88 | 3     | 3,270.64 | 3     | 2,911.25 | 3     | 2,551.47 |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 4,219.53 | 1/4   | 4,017.72 | 1/4   | 3,793.08 | 1/4   | 3,545.47 | 1/4   | 3,263.14 | 1/4   | 2,903.76 | 1/4   | 2,543.97 |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 4,215.56 | 1/2   | 4,013.30 | 1/2   | 3,788.17 | 1/2   | 3,540.07 | 1/2   | 3,255.65 | 1/2   | 2,896.26 | 1/2   | 2,536.46 |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 4,211.55 | 3/4   | 4,008.84 | 3/4   | 3,783.23 | 3/4   | 3,534.63 | 3/4   | 3,248.16 | 3/4   | 2,888.77 | 3/4   | 2,528.96 |
| 4     |     | 4     |     | 4     |     | 4     | 4,207.55 | 4     | 4,004.39 | 4     | 3,778.29 | 4     | 3,529.20 | 4     | 3,240.68 | 4     | 2,881.27 | 4     | 2,521.45 |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 4,203.54 | 1/4   | 3,999.93 | 1/4   | 3,773.35 | 1/4   | 3,523.76 | 1/4   | 3,233.20 | 1/4   | 2,873.78 | 1/4   | 2,513.95 |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 4,199.53 | 1/2   | 3,995.48 | 1/2   | 3,768.41 | 1/2   | 3,518.32 | 1/2   | 3,225.71 | 1/2   | 2,866.28 | 1/2   | 2,506.44 |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 4,195.49 | 3/4   | 3,990.97 | 3/4   | 3,763.42 | 3/4   | 3,512.84 | 3/4   | 3,218.23 | 3/4   | 2,858.79 | 3/4   | 2,498.94 |
| 5     |     | 5     |     | 5     |     | 5     | 4,191.45 | 5     | 3,986.46 | 5     | 3,758.44 | 5     | 3,507.36 | 5     | 3,210.74 | 5     | 2,851.29 | 5     | 2,491.44 |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 4,187.41 | 1/4   | 3,981.95 | 1/4   | 3,753.46 | 1/4   | 3,501.88 | 1/4   | 3,203.26 | 1/4   | 2,843.80 | 1/4   | 2,483.93 |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 4,183.37 | 1/2   | 3,977.44 | 1/2   | 3,748.47 | 1/2   | 3,496.40 | 1/2   | 3,195.77 | 1/2   | 2,836.30 | 1/2   | 2,476.43 |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 4,179.28 | 3/4   | 3,972.90 | 3/4   | 3,743.46 | 3/4   | 3,490.88 | 3/4   | 3,188.29 | 3/4   | 2,828.81 | 3/4   | 2,468.92 |
| 6     |     | 6     |     | 6     |     | 6     | 4,175.20 | 6     | 3,968.36 | 6     | 3,738.44 | 6     | 3,485.36 | 6     | 3,180.80 | 6     | 2,821.31 | 6     | 2,461.42 |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 4,171.12 | 1/4   | 3,963.82 | 1/4   | 3,733.42 | 1/4   | 3,479.85 | 1/4   | 3,173.32 | 1/4   | 2,813.82 | 1/4   | 2,453.91 |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 4,398.34 | 1/2   | 4,167.03 | 1/2   | 3,959.28 | 1/2   | 3,728.41 | 1/2   | 3,474.33 | 1/2   | 3,165.83 | 1/2   | 2,806.32 |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 4,391.85 | 3/4   | 4,162.92 | 3/4   | 3,954.70 | 3/4   | 3,723.34 | 3/4   | 3,468.80 | 3/4   | 3,158.35 | 3/4   | 2,798.83 |
| 7     |     | 7     |     | 7     |     | 7     | 4,385.37 | 7     | 4,158.80 | 7     | 3,950.13 | 7     | 3,718.28 | 7     | 3,463.27 | 7     | 3,150.86 | 7     | 2,791.33 |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 4,378.88 | 1/4   | 4,154.68 | 1/4   | 3,945.55 | 1/4   | 3,713.21 | 1/4   | 3,457.73 | 1/4   | 3,143.38 | 1/4   | 2,783.84 |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 4,372.40 | 1/2   | 4,150.56 | 1/2   | 3,940.98 | 1/2   | 3,708.15 | 1/2   | 3,452.20 | 1/2   | 3,135.89 | 1/2   | 2,776.34 |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 4,366.90 | 3/4   | 4,146.40 | 3/4   | 3,936.36 | 3/4   | 3,703.06 | 3/4   | 3,446.66 | 3/4   | 3,128.41 | 3/4   | 2,768.85 |
| 8     |     | 8     |     | 8     |     | 8     | 4,361.40 | 8     | 4,142.24 | 8     | 3,931.74 | 8     | 3,697.96 | 8     | 3,441.13 | 8     | 3,120.93 | 8     | 2,761.35 |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 4,355.90 | 1/4   | 4,138.07 | 1/4   | 3,927.12 | 1/4   | 3,692.87 | 1/4   | 3,435.60 | 1/4   | 3,113.44 | 1/4   | 2,753.86 |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 4,350.40 | 1/2   | 4,133.91 | 1/2   | 3,922.51 | 1/2   | 3,687.77 | 1/2   | 3,430.06 | 1/2   | 3,105.96 | 1/2   | 2,746.36 |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 4,344.90 | 3/4   | 4,129.71 | 3/4   | 3,917.83 | 3/4   | 3,682.64 | 3/4   | 3,424.53 | 3/4   | 3,098.47 | 3/4   | 2,738.87 |
| 9     |     | 9     |     | 9     |     | 9     | 4,339.40 | 9     | 4,125.52 | 9     | 3,913.15 | 9     | 3,677.50 | 9     | 3,418.99 | 9     | 3,090.99 | 9     | 2,731.37 |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 4,333.91 | 1/4   | 4,121.32 | 1/4   | 3,908.47 | 1/4   | 3,672.36 | 1/4   | 3,413.46 | 1/4   | 3,083.50 | 1/4   | 2,723.88 |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 4,328.41 | 1/2   | 4,117.13 | 1/2   | 3,903.79 | 1/2   | 3,667.23 | 1/2   | 3,407.93 | 1/2   | 3,076.02 | 1/2   | 2,716.38 |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 4,322.94 | 3/4   | 4,112.88 | 3/4   | 3,899.06 | 3/4   | 3,662.05 | 3/4   | 3,402.40 | 3/4   | 3,068.53 | 3/4   | 2,708.89 |
| 10    |     | 10    |     | 10    |     | 10    | 4,317.47 | 10    | 4,108.64 | 10    | 3,894.34 | 10    | 3,656.87 | 10    | 3,396.88 | 10    | 3,061.05 | 10    | 2,701.39 |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 4,311.99 | 1/4   | 4,104.40 | 1/4   | 3,889.61 | 1/4   | 3,651.69 | 1/4   | 3,391.36 | 1/4   | 3,053.56 | 1/4   | 2,693.90 |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 4,306.52 | 1/2   | 4,100.16 | 1/2   | 3,884.89 | 1/2   | 3,646.51 | 1/2   | 3,385.83 | 1/2   | 3,046.08 | 1/2   | 2,686.40 |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 4,301.05 | 3/4   | 4,095.88 | 3/4   | 3,880.13 | 3/4   | 3,641.29 | 3/4   | 3,380.31 | 3/4   | 3,038.59 | 3/4   | 2,678.91 |
| 11    |     | 11    |     | 11    |     | 11    | 4,295.58 | 11    | 4,091.61 | 11    | 3,875.37 | 11    | 3,636.08 | 11    | 3,374.79 | 11    | 3,031.11 | 11    | 2,671.41 |
| 1/4   |     | 1/4   |     | 1/4   |     | 1/4   | 4,290.11 | 1/4   | 4,087.34 | 1/4   | 3,870.61 | 1/4   | 3,630.86 | 1/4   | 3,369.26 | 1/4   | 3,023.62 | 1/4   | 2,663.92 |
| 1/2   |     | 1/2   |     | 1/2   |     | 1/2   | 4,284.64 | 1/2   | 4,083.06 | 1/2   | 3,865.86 | 1/2   | 3,625.65 | 1/2   | 3,363.74 | 1/2   | 3,016.14 | 1/2   | 2,656.42 |
| 3/4   |     | 3/4   |     | 3/4   |     | 3/4   | 4,279.17 | 3/4   | 4,078.76 | 3/4   | 3,861.05 | 3/4   | 3,620.36 | 3/4   | 3,358.21 | 3/4   | 3,008.65 | 3/4   | 2,648.93 |

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 GAUGING DEVICE"  
 GAUGE POINT: (HERMETIC) LOCATED 12'-03" OFF CENTERLINE AND 45'-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 27011"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 321"

GAUGE HEIGHT 16'-04 1/2"

|     | 10 FT.   |     | 11 FT.   |     | 12 FT.   |     | 13 FT.   |     | 14 FT. |     | 15 FT. |     | 16 FT. |     | 17 FT. |   | 18 FT. |  | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|---|--------|--|--------|
| 0   | 2,281.31 | 0   | 1,921.09 | 0   | 1,561.89 | 0   | 1,201.95 | 0   | 841.89 | 0   | 494.66 | 0   | 135.52 | 0   |        | 0 |        |  |        |
| 1/4 | 2,273.80 | 1/4 | 1,913.59 | 1/4 | 1,554.40 | 1/4 | 1,194.45 | 1/4 | 834.39 | 1/4 | 487.44 | 1/4 | 128.01 | 1/4 | 1/4    |   | 1/4    |  | 1/4    |
| 1/2 | 2,266.30 | 1/2 | 1,906.08 | 1/2 | 1,546.92 | 1/2 | 1,186.95 | 1/2 | 826.89 | 1/2 | 480.22 | 1/2 | 120.50 | 1/2 | 1/2    |   | 1/2    |  | 1/2    |
| 3/4 | 2,258.80 | 3/4 | 1,898.58 | 3/4 | 1,539.44 | 3/4 | 1,179.45 | 3/4 | 819.53 | 3/4 | 472.86 | 3/4 | 113.00 | 3/4 | 3/4    |   | 3/4    |  | 3/4    |
| 1   | 2,251.29 | 1   | 1,891.08 | 1   | 1,531.96 | 1   | 1,171.95 | 1   | 812.16 | 1   | 465.50 | 1   | 105.49 | 1   | 1      |   | 1      |  | 1      |
| 1/4 | 2,243.79 | 1/4 | 1,883.57 | 1/4 | 1,524.48 | 1/4 | 1,164.45 | 1/4 | 804.79 | 1/4 | 458.15 | 1/4 | 97.98  | 1/4 | 1/4    |   | 1/4    |  | 1/4    |
| 1/2 | 2,236.28 | 1/2 | 1,876.07 | 1/2 | 1,517.00 | 1/2 | 1,156.94 | 1/2 | 797.43 | 1/2 | 450.79 | 1/2 | 90.48  | 1/2 | 1/2    |   | 1/2    |  | 1/2    |
| 3/4 | 2,228.78 | 3/4 | 1,868.59 | 3/4 | 1,509.50 | 3/4 | 1,149.44 | 3/4 | 790.20 | 3/4 | 443.29 | 3/4 | 82.97  | 3/4 | 3/4    |   | 3/4    |  | 3/4    |
| 2   | 2,221.27 | 2   | 1,861.11 | 2   | 1,502.00 | 2   | 1,141.94 | 2   | 782.98 | 2   | 435.78 | 2   | 75.46  | 2   | 2      |   | 2      |  | 2      |
| 1/4 | 2,213.77 | 1/4 | 1,853.62 | 1/4 | 1,494.50 | 1/4 | 1,134.44 | 1/4 | 775.76 | 1/4 | 428.27 | 1/4 | 67.96  | 1/4 | 1/4    |   | 1/4    |  | 1/4    |
| 1/2 | 2,206.26 | 1/2 | 1,846.14 | 1/2 | 1,487.00 | 1/2 | 1,126.94 | 1/2 | 768.53 | 1/2 | 420.77 | 1/2 | 60.45  | 1/2 | 1/2    |   | 1/2    |  | 1/2    |
| 3/4 | 2,198.76 | 3/4 | 1,838.66 | 3/4 | 1,479.50 | 3/4 | 1,119.44 | 3/4 | 761.32 | 3/4 | 413.26 | 3/4 | 53.88  | 3/4 | 3/4    |   | 3/4    |  | 3/4    |
| 3   | 2,191.26 | 3   | 1,831.18 | 3   | 1,472.00 | 3   | 1,111.94 | 3   | 754.10 | 3   | 405.75 | 3   | 47.31  | 3   | 3      |   | 3      |  | 3      |
| 1/4 | 2,183.75 | 1/4 | 1,823.70 | 1/4 | 1,464.49 | 1/4 | 1,104.44 | 1/4 | 746.89 | 1/4 | 398.25 | 1/4 | 40.74  | 1/4 | 1/4    |   | 1/4    |  | 1/4    |
| 1/2 | 2,176.25 | 1/2 | 1,816.22 | 1/2 | 1,456.99 | 1/2 | 1,096.94 | 1/2 | 739.67 | 1/2 | 390.74 | 1/2 | 34.17  | 1/2 | 1/2    |   | 1/2    |  | 1/2    |
| 3/4 | 2,168.74 | 3/4 | 1,808.74 | 3/4 | 1,449.49 | 3/4 | 1,089.43 | 3/4 | 732.47 | 3/4 | 383.23 | 3/4 | 29.48  | 3/4 | 3/4    |   | 3/4    |  | 3/4    |
| 4   | 2,161.24 | 4   | 1,801.26 | 4   | 1,441.99 | 4   | 1,081.93 | 4   | 725.26 | 4   | 375.73 | 4   | 24.79  | 4   | 4      |   | 4      |  | 4      |
| 1/4 | 2,153.73 | 1/4 | 1,793.78 | 1/4 | 1,434.49 | 1/4 | 1,074.43 | 1/4 | 718.06 | 1/4 | 368.22 | 1/4 | 20.10  | 1/4 | 1/4    |   | 1/4    |  | 1/4    |
| 1/2 | 2,146.23 | 1/2 | 1,786.30 | 1/2 | 1,426.99 | 1/2 | 1,066.93 | 1/2 | 710.85 | 1/2 | 360.71 | 1/2 | 15.41  | 1/2 | 1/2    |   | 1/2    |  | 1/2    |
| 3/4 | 2,138.72 | 3/4 | 1,778.82 | 3/4 | 1,419.49 | 3/4 | 1,059.43 | 3/4 | 703.65 | 3/4 | 353.21 | 3/4 |        | 3/4 | 3/4    |   | 3/4    |  | 3/4    |
| 5   | 2,131.22 | 5   | 1,771.34 | 5   | 1,411.99 | 5   | 1,051.93 | 5   | 696.44 | 5   | 345.70 | 5   |        | 5   | 5      |   | 5      |  | 5      |
| 1/4 | 2,123.71 | 1/4 | 1,763.86 | 1/4 | 1,404.48 | 1/4 | 1,044.43 | 1/4 | 689.24 | 1/4 | 338.19 | 1/4 |        | 1/4 | 1/4    |   | 1/4    |  | 1/4    |
| 1/2 | 2,116.21 | 1/2 | 1,756.38 | 1/2 | 1,396.98 | 1/2 | 1,036.93 | 1/2 | 682.03 | 1/2 | 330.69 | 1/2 |        | 1/2 | 1/2    |   | 1/2    |  | 1/2    |
| 3/4 | 2,108.71 | 3/4 | 1,748.90 | 3/4 | 1,389.48 | 3/4 | 1,029.42 | 3/4 | 674.83 | 3/4 | 323.18 | 3/4 |        | 3/4 | 3/4    |   | 3/4    |  | 3/4    |
| 6   | 2,101.20 | 6   | 1,741.42 | 6   | 1,381.98 | 6   | 1,021.92 | 6   | 667.62 | 6   | 315.67 | 6   |        | 6   | 6      |   | 6      |  | 6      |
| 1/4 | 2,093.70 | 1/4 | 1,733.94 | 1/4 | 1,374.48 | 1/4 | 1,014.42 | 1/4 | 660.42 | 1/4 | 308.17 | 1/4 |        | 1/4 | 1/4    |   | 1/4    |  | 1/4    |
| 1/2 | 2,086.19 | 1/2 | 1,726.46 | 1/2 | 1,366.98 | 1/2 | 1,006.92 | 1/2 | 653.21 | 1/2 | 300.66 | 1/2 |        | 1/2 | 1/2    |   | 1/2    |  | 1/2    |
| 3/4 | 2,078.69 | 3/4 | 1,718.98 | 3/4 | 1,359.48 | 3/4 | 999.42   | 3/4 | 646.01 | 3/4 | 293.15 | 3/4 |        | 3/4 | 3/4    |   | 3/4    |  | 3/4    |
| 7   | 2,071.18 | 7   | 1,711.50 | 7   | 1,351.98 | 7   | 991.92   | 7   | 638.80 | 7   | 285.65 | 7   |        | 7   | 7      |   | 7      |  | 7      |
| 1/4 | 2,063.68 | 1/4 | 1,704.01 | 1/4 | 1,344.47 | 1/4 | 984.42   | 1/4 | 631.60 | 1/4 | 278.14 | 1/4 |        | 1/4 | 1/4    |   | 1/4    |  | 1/4    |
| 1/2 | 2,056.17 | 1/2 | 1,696.53 | 1/2 | 1,336.97 | 1/2 | 976.92   | 1/2 | 624.40 | 1/2 | 270.63 | 1/2 |        | 1/2 | 1/2    |   | 1/2    |  | 1/2    |
| 3/4 | 2,048.67 | 3/4 | 1,689.05 | 3/4 | 1,329.47 | 3/4 | 969.41   | 3/4 | 617.19 | 3/4 | 263.13 | 3/4 |        | 3/4 | 3/4    |   | 3/4    |  | 3/4    |
| 8   | 2,041.17 | 8   | 1,681.57 | 8   | 1,321.97 | 8   | 961.91   | 8   | 609.99 | 8   | 255.62 | 8   |        | 8   | 8      |   | 8      |  | 8      |
| 1/4 | 2,033.66 | 1/4 | 1,674.09 | 1/4 | 1,314.47 | 1/4 | 954.41   | 1/4 | 602.79 | 1/4 | 248.11 | 1/4 |        | 1/4 | 1/4    |   | 1/4    |  | 1/4    |
| 1/2 | 2,026.16 | 1/2 | 1,666.61 | 1/2 | 1,306.97 | 1/2 | 946.91   | 1/2 | 595.58 | 1/2 | 240.61 | 1/2 |        | 1/2 | 1/2    |   | 1/2    |  | 1/2    |
| 3/4 | 2,018.65 | 3/4 | 1,659.13 | 3/4 | 1,299.47 | 3/4 | 939.41   | 3/4 | 588.38 | 3/4 | 233.10 | 3/4 |        | 3/4 | 3/4    |   | 3/4    |  | 3/4    |
| 9   | 2,011.15 | 9   | 1,651.65 | 9   | 1,291.97 | 9   | 931.91   | 9   | 581.17 | 9   | 225.59 | 9   |        | 9   | 9      |   | 9      |  | 9      |
| 1/4 | 2,003.64 | 1/4 | 1,644.17 | 1/4 | 1,284.47 | 1/4 | 924.41   | 1/4 | 573.97 | 1/4 | 218.09 | 1/4 |        | 1/4 | 1/4    |   | 1/4    |  | 1/4    |
| 1/2 | 1,996.14 | 1/2 | 1,636.69 | 1/2 | 1,276.96 | 1/2 | 916.91   | 1/2 | 566.76 | 1/2 | 210.58 | 1/2 |        | 1/2 | 1/2    |   | 1/2    |  | 1/2    |
| 3/4 | 1,988.63 | 3/4 | 1,629.21 | 3/4 | 1,269.46 | 3/4 | 909.41   | 3/4 | 559.56 | 3/4 | 203.08 | 3/4 |        | 3/4 | 3/4    |   | 3/4    |  | 3/4    |
| 10  | 1,981.13 | 10  | 1,621.73 | 10  | 1,261.96 | 10  | 901.90   | 10  | 552.35 | 10  | 195.57 | 10  |        | 10  | 10     |   | 10     |  | 10     |
| 1/4 | 1,973.62 | 1/4 | 1,614.25 | 1/4 | 1,254.46 | 1/4 | 894.40   | 1/4 | 545.15 | 1/4 | 188.06 | 1/4 |        | 1/4 | 1/4    |   | 1/4    |  | 1/4    |
| 1/2 | 1,966.12 | 1/2 | 1,606.77 | 1/2 | 1,246.96 | 1/2 | 886.90   | 1/2 | 537.94 | 1/2 | 180.56 | 1/2 |        | 1/2 | 1/2    |   | 1/2    |  | 1/2    |
| 3/4 | 1,958.62 | 3/4 | 1,599.29 | 3/4 | 1,239.46 | 3/4 | 879.40   | 3/4 | 530.73 | 3/4 | 173.05 | 3/4 |        | 3/4 | 3/4    |   | 3/4    |  | 3/4    |
| 11  | 1,951.11 | 11  | 1,591.81 | 11  | 1,231.96 | 11  | 871.90   | 11  | 523.52 | 11  | 165.54 | 11  |        | 11  | 11     |   | 11     |  | 11     |
| 1/4 | 1,943.61 | 1/4 | 1,584.33 | 1/4 | 1,224.46 | 1/4 | 864.40   | 1/4 | 516.31 | 1/4 | 158.04 | 1/4 |        | 1/4 | 1/4    |   | 1/4    |  | 1/4    |
| 1/2 | 1,936.10 | 1/2 | 1,576.85 | 1/2 | 1,216.95 | 1/2 | 856.90   | 1/2 | 509.10 | 1/2 | 150.53 | 1/2 |        | 1/2 | 1/2    |   | 1/2    |  | 1/2    |
| 3/4 | 1,928.60 | 3/4 | 1,569.37 | 3/4 | 1,209.45 | 3/4 | 849.40   | 3/4 | 501.88 | 3/4 | 143.02 | 3/4 |        | 3/4 | 3/4    |   | 3/4    |  | 3/4    |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/26/2013  
RECALCULATED: 12/28/2018  
VERIFIED: 01/31/2024 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2024

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



# BARGE "KIRBY 27011"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 321"

GAUGE HEIGHT 16'-04 1/2"

| 0 FT. |     | 1 FT. |     | 2 FT. |     | 3 FT. |          | 4 FT. |          | 5 FT. |          | 6 FT. |          | 7 FT. |          | 8 FT. |          | 9 FT. |          |     |          |
|-------|-----|-------|-----|-------|-----|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-----|----------|
| 0     | 1/4 | 0     | 1/4 | 0     | 1/4 | 0     | 1/4      | 0     | 1/4      | 0     | 1/4      | 0     | 1/4      | 0     | 1/4      | 0     | 1/4      | 0     | 1/4      |     |          |
| 0     |     | 0     |     | 0     |     | 0     | 4,282.42 | 0     | 4,079.91 | 0     | 3,858.67 | 0     | 3,615.46 | 0     | 3,352.68 | 0     | 3,000.44 | 0     | 2,640.46 |     |          |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 4,276.88 | 1/4   | 4,075.54 | 1/4   | 3,853.83 | 1/4   | 3,610.16 | 1/4   | 3,347.14 | 1/4   | 2,992.94 | 1/4   | 2,632.96 |     |          |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 4,271.34 | 1/2   | 4,071.16 | 1/2   | 3,848.98 | 1/2   | 3,604.86 | 1/2   | 3,341.60 | 1/2   | 2,985.44 | 1/2   | 2,625.46 |     |          |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 4,267.38 | 3/4   | 4,066.74 | 3/4   | 3,844.11 | 3/4   | 3,599.53 | 3/4   | 3,335.07 | 3/4   | 2,977.94 | 3/4   | 2,617.96 |     |          |
| 1     | 1   | 1     | 1   | 1     | 1   | 1     | 4,062.41 | 1     | 4,062.32 | 1     | 3,839.23 | 1     | 3,594.19 | 1     | 3,328.55 | 1     | 2,970.44 | 1     | 2,610.46 |     |          |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 4,259.45 | 1/4   | 4,057.90 | 1/4   | 3,834.36 | 1/4   | 3,588.86 | 1/4   | 3,322.02 | 1/4   | 2,962.94 | 1/4   | 2,602.96 |     |          |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 4,255.49 | 1/2   | 4,053.48 | 1/2   | 3,829.48 | 1/2   | 3,583.53 | 1/2   | 3,315.49 | 1/2   | 2,955.44 | 1/2   | 2,595.46 |     |          |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 4,251.49 | 3/4   | 4,049.03 | 3/4   | 3,824.57 | 3/4   | 3,578.15 | 3/4   | 3,307.99 | 3/4   | 2,947.94 | 3/4   | 2,587.96 |     |          |
| 2     | 2   | 2     | 2   | 2     | 2   | 2     | 4,247.49 | 2     | 4,044.58 | 2     | 3,819.66 | 2     | 3,572.77 | 2     | 3,300.49 | 2     | 2,940.44 | 2     | 2,580.46 |     |          |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 4,243.50 | 1/4   | 4,040.12 | 1/4   | 3,814.75 | 1/4   | 3,567.39 | 1/4   | 3,292.98 | 1/4   | 2,932.94 | 1/4   | 2,572.96 |     |          |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 4,239.50 | 1/2   | 4,035.67 | 1/2   | 3,809.84 | 1/2   | 3,562.01 | 1/2   | 3,285.48 | 1/2   | 2,925.44 | 1/2   | 2,565.46 |     |          |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 4,235.46 | 3/4   | 4,031.17 | 3/4   | 3,804.89 | 3/4   | 3,556.60 | 3/4   | 3,277.98 | 3/4   | 2,917.94 | 3/4   | 2,557.96 |     |          |
| 3     | 3   | 3     | 3   | 3     | 3   | 3     | 4,231.41 | 3     | 4,026.68 | 3     | 3,799.93 | 3     | 3,551.19 | 3     | 3,270.47 | 3     | 2,910.45 | 3     | 2,550.46 |     |          |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 4,227.37 | 1/4   | 4,022.18 | 1/4   | 3,794.98 | 1/4   | 3,545.78 | 1/4   | 3,262.97 | 1/4   | 2,902.95 | 1/4   | 2,542.96 |     |          |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 4,223.33 | 1/2   | 4,017.68 | 1/2   | 3,790.03 | 1/2   | 3,540.37 | 1/2   | 3,255.47 | 1/2   | 2,895.45 | 1/2   | 2,535.46 |     |          |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 4,219.25 | 3/4   | 4,013.15 | 3/4   | 3,785.04 | 3/4   | 3,534.93 | 3/4   | 3,247.97 | 3/4   | 2,887.95 | 3/4   | 2,527.97 |     |          |
| 4     | 4   | 4     | 4   | 4     | 4   | 4     | 4,215.18 | 4     | 4,008.62 | 4     | 3,780.05 | 4     | 3,529.48 | 4     | 3,240.46 | 4     | 2,880.45 | 4     | 2,520.49 |     |          |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 4,211.11 | 1/4   | 4,004.09 | 1/4   | 3,775.06 | 1/4   | 3,524.04 | 1/4   | 3,232.96 | 1/4   | 2,872.95 | 1/4   | 2,513.00 |     |          |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 4,207.03 | 1/2   | 3,999.56 | 1/2   | 3,770.08 | 1/2   | 3,518.59 | 1/2   | 3,225.46 | 1/2   | 2,865.45 | 1/2   | 2,505.52 |     |          |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 4,202.92 | 3/4   | 3,994.98 | 3/4   | 3,765.04 | 3/4   | 3,513.10 | 3/4   | 3,217.95 | 3/4   | 2,857.95 | 3/4   | 2,498.03 |     |          |
| 5     | 5   | 5     | 5   | 5     | 5   | 5     | 4,198.81 | 5     | 3,990.40 | 5     | 3,760.01 | 5     | 3,507.62 | 5     | 3,210.45 | 5     | 2,850.45 | 5     | 2,490.54 |     |          |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 4,194.71 | 1/4   | 3,985.82 | 1/4   | 3,754.98 | 1/4   | 3,502.13 | 1/4   | 3,202.95 | 1/4   | 2,842.95 | 1/4   | 2,483.06 |     |          |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 4,190.60 | 1/2   | 3,981.25 | 1/2   | 3,749.95 | 1/2   | 3,496.64 | 1/2   | 3,195.45 | 1/2   | 2,835.45 | 1/2   | 2,475.57 |     |          |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 4,186.45 | 3/4   | 3,976.64 | 3/4   | 3,744.88 | 3/4   | 3,491.12 | 3/4   | 3,187.94 | 3/4   | 2,827.95 | 3/4   | 2,468.09 |     |          |
| 6     | 6   | 6     | 6   | 6     | 6   | 6     | 4,182.29 | 6     | 3,972.03 | 6     | 3,739.82 | 6     | 3,485.60 | 6     | 3,180.44 | 6     | 2,820.45 | 6     | 2,460.60 |     |          |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 4,178.14 | 1/4   | 3,967.42 | 1/4   | 3,734.75 | 1/4   | 3,480.08 | 1/4   | 3,172.94 | 1/4   | 2,812.95 | 1/4   | 2,453.11 |     |          |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 4,408.24 | 1/2   | 4,173.99 | 1/2   | 3,962.81 | 1/2   | 3,729.69 | 1/2   | 3,474.55 | 1/2   | 3,165.43 | 1/2   | 2,805.45 | 1/2 | 2,445.63 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 4,401.71 | 3/4   | 4,169.80 | 3/4   | 3,958.17 | 3/4   | 3,724.57 | 3/4   | 3,469.01 | 3/4   | 3,157.94 | 3/4   | 2,797.95 | 3/4 | 2,438.14 |
| 7     | 7   | 7     | 7   | 7     | 7   | 7     | 4,395.19 | 7     | 4,165.62 | 7     | 3,953.53 | 7     | 3,719.46 | 7     | 3,463.47 | 7     | 3,150.44 | 7     | 2,790.45 | 7   | 2,430.65 |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 4,388.66 | 1/4   | 4,161.43 | 1/4   | 3,948.88 | 1/4   | 3,714.35 | 1/4   | 3,457.93 | 1/4   | 3,142.94 | 1/4   | 2,782.95 | 1/4 | 2,423.17 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 4,382.13 | 1/2   | 4,157.25 | 1/2   | 3,944.24 | 1/2   | 3,709.24 | 1/2   | 3,452.39 | 1/2   | 3,135.44 | 1/2   | 2,775.45 | 1/2 | 2,415.68 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 4,376.59 | 3/4   | 4,153.02 | 3/4   | 3,939.55 | 3/4   | 3,704.10 | 3/4   | 3,446.85 | 3/4   | 3,127.94 | 3/4   | 2,767.95 | 3/4 | 2,408.20 |
| 8     | 8   | 8     | 8   | 8     | 8   | 8     | 4,371.05 | 8     | 4,148.79 | 8     | 3,934.87 | 8     | 3,698.95 | 8     | 3,441.32 | 8     | 3,120.44 | 8     | 2,760.45 | 8   | 2,400.71 |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 4,365.51 | 1/4   | 4,144.56 | 1/4   | 3,930.18 | 1/4   | 3,693.81 | 1/4   | 3,435.78 | 1/4   | 3,112.94 | 1/4   | 2,752.95 | 1/4 | 2,393.22 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 4,359.97 | 1/2   | 4,140.32 | 1/2   | 3,925.50 | 1/2   | 3,688.67 | 1/2   | 3,430.24 | 1/2   | 3,105.44 | 1/2   | 2,745.45 | 1/2 | 2,385.74 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 4,354.43 | 3/4   | 4,136.06 | 3/4   | 3,920.78 | 3/4   | 3,683.49 | 3/4   | 3,424.70 | 3/4   | 3,097.94 | 3/4   | 2,737.95 | 3/4 | 2,378.25 |
| 9     | 9   | 9     | 9   | 9     | 9   | 9     | 4,348.89 | 9     | 4,131.80 | 9     | 3,916.06 | 9     | 3,678.31 | 9     | 3,419.16 | 9     | 3,090.44 | 9     | 2,730.45 | 9   | 2,370.77 |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 4,343.35 | 1/4   | 4,127.53 | 1/4   | 3,911.34 | 1/4   | 3,673.13 | 1/4   | 3,413.62 | 1/4   | 3,082.94 | 1/4   | 2,722.95 | 1/4 | 2,363.28 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 4,337.82 | 1/2   | 4,123.27 | 1/2   | 3,906.61 | 1/2   | 3,667.96 | 1/2   | 3,408.08 | 1/2   | 3,075.44 | 1/2   | 2,715.45 | 1/2 | 2,355.79 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 4,332.28 | 3/4   | 4,118.96 | 3/4   | 3,901.85 | 3/4   | 3,662.74 | 3/4   | 3,402.54 | 3/4   | 3,067.94 | 3/4   | 2,707.95 | 3/4 | 2,348.31 |
| 10    | 10  | 10    | 10  | 10    | 10  | 10    | 4,326.74 | 10    | 4,114.65 | 10    | 3,897.08 | 10    | 3,657.52 | 10    | 3,397.00 | 10    | 3,060.44 | 10    | 2,700.45 | 10  | 2,340.82 |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 4,321.20 | 1/4   | 4,110.34 | 1/4   | 3,892.32 | 1/4   | 3,652.30 | 1/4   | 3,391.46 | 1/4   | 3,052.94 | 1/4   | 2,692.95 | 1/4 | 2,333.34 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 4,315.66 | 1/2   | 4,106.03 | 1/2   | 3,887.56 | 1/2   | 3,647.07 | 1/2   | 3,385.92 | 1/2   | 3,045.44 | 1/2   | 2,685.45 | 1/2 | 2,325.85 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 4,310.12 | 3/4   | 4,101.69 | 3/4   | 3,882.76 | 3/4   | 3,641.82 | 3/4   | 3,380.38 | 3/4   | 3,037.94 | 3/4   | 2,677.95 | 3/4 | 2,318.36 |
| 11    | 11  | 11    | 11  | 11    | 11  | 11    | 4,304.58 | 11    | 4,097.35 | 11    | 3,877.96 | 11    | 3,636.56 | 11    | 3,374.84 | 11    | 3,030.44 | 11    | 2,670.45 | 11  | 2,310.88 |
| 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 1/4 | 1/4   | 4,299.04 | 1/4   | 4,093.00 | 1/4   | 3,873.16 | 1/4   | 3,631.31 | 1/4   | 3,369.30 | 1/4   | 3,022.94 | 1/4   | 2,662.95 | 1/4 | 2,303.39 |
| 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 1/2 | 1/2   | 4,293.50 | 1/2   | 4,088.66 | 1/2   | 3,868.36 | 1/2   | 3,626.05 | 1/2   | 3,363.76 | 1/2   | 3,015.44 | 1/2   | 2,655.46 | 1/2 | 2,295.90 |
| 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 3/4 | 3/4   | 4,287.96 | 3/4   | 4,084.29 | 3/4   | 3,863.52 | 3/4   | 3,620.76 | 3/4   | 3,358.22 | 3/4   | 3,007.94 | 3/4   | 2,647.96 | 3/4 | 2,288.40 |

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 GAUGING DEVICE"  
 GAUGE POINT: (HERMETIC) LOCATED 12'-03" OFF CENTERLINE AND 45'-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 27011"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 321"

GAUGE HEIGHT 16'-04 1/2"

|     | 10 FT.   |     | 11 FT.   |     | 12 FT.   |     | 13 FT.   |     | 14 FT. |     | 15 FT. |     | 16 FT. |     | 17 FT. |   | 18 FT. |   | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|---|--------|---|--------|
| 0   | 2,280.90 | 0   | 1,920.76 | 0   | 1,562.34 | 0   | 1,203.24 | 0   | 843.11 | 0   | 494.63 | 0   | 135.52 | 0   |        | 0 |        | 0 |        |
| 1/4 | 2,273.40 | 1/4 | 1,913.26 | 1/4 | 1,554.90 | 1/4 | 1,195.74 | 1/4 | 835.61 | 1/4 | 487.38 | 1/4 | 128.01 | 1/4 | 1/4    |   | 1/4    |   | 1/4    |
| 1/2 | 2,265.89 | 1/2 | 1,905.76 | 1/2 | 1,547.45 | 1/2 | 1,188.23 | 1/2 | 828.10 | 1/2 | 480.13 | 1/2 | 120.51 | 1/2 | 1/2    |   | 1/2    |   | 1/2    |
| 3/4 | 2,258.39 | 3/4 | 1,898.26 | 3/4 | 1,540.01 | 3/4 | 1,180.73 | 3/4 | 820.73 | 3/4 | 472.75 | 3/4 | 113.01 | 3/4 | 3/4    |   | 3/4    |   | 3/4    |
| 1   | 2,250.89 | 1   | 1,890.75 | 1   | 1,532.56 | 1   | 1,173.23 | 1   | 813.35 | 1   | 465.37 | 1   | 105.51 | 1   | 1      |   | 1      |   | 1      |
| 1/4 | 2,243.39 | 1/4 | 1,883.25 | 1/4 | 1,525.11 | 1/4 | 1,165.73 | 1/4 | 805.97 | 1/4 | 458.00 | 1/4 | 98.00  | 1/4 | 1/4    |   | 1/4    |   | 1/4    |
| 1/2 | 2,235.88 | 1/2 | 1,875.75 | 1/2 | 1,517.67 | 1/2 | 1,158.22 | 1/2 | 798.60 | 1/2 | 450.62 | 1/2 | 90.50  | 1/2 | 1/2    |   | 1/2    |   | 1/2    |
| 3/4 | 2,228.38 | 3/4 | 1,868.25 | 3/4 | 1,510.22 | 3/4 | 1,150.72 | 3/4 | 791.35 | 3/4 | 443.12 | 3/4 | 83.00  | 3/4 | 3/4    |   | 3/4    |   | 3/4    |
| 2   | 2,220.88 | 2   | 1,860.74 | 2   | 1,502.78 | 2   | 1,143.22 | 2   | 784.11 | 2   | 435.62 | 2   | 75.50  | 2   | 2      |   | 2      |   | 2      |
| 1/4 | 2,213.37 | 1/4 | 1,853.24 | 1/4 | 1,495.33 | 1/4 | 1,135.72 | 1/4 | 776.87 | 1/4 | 428.11 | 1/4 | 67.99  | 1/4 | 1/4    |   | 1/4    |   | 1/4    |
| 1/2 | 2,205.87 | 1/2 | 1,845.74 | 1/2 | 1,487.89 | 1/2 | 1,128.21 | 1/2 | 769.63 | 1/2 | 420.61 | 1/2 | 60.49  | 1/2 | 1/2    |   | 1/2    |   | 1/2    |
| 3/4 | 2,198.37 | 3/4 | 1,838.23 | 3/4 | 1,480.44 | 3/4 | 1,120.71 | 3/4 | 762.39 | 3/4 | 413.11 | 3/4 | 53.93  | 3/4 | 3/4    |   | 3/4    |   | 3/4    |
| 3   | 2,190.87 | 3   | 1,830.73 | 3   | 1,473.00 | 3   | 1,113.21 | 3   | 755.16 | 3   | 405.61 | 3   | 47.36  | 3   | 3      |   | 3      |   | 3      |
| 1/4 | 2,183.36 | 1/4 | 1,823.23 | 1/4 | 1,465.55 | 1/4 | 1,105.70 | 1/4 | 747.92 | 1/4 | 398.10 | 1/4 | 40.80  | 1/4 | 1/4    |   | 1/4    |   | 1/4    |
| 1/2 | 2,175.86 | 1/2 | 1,815.73 | 1/2 | 1,458.10 | 1/2 | 1,098.20 | 1/2 | 740.68 | 1/2 | 390.60 | 1/2 | 34.23  | 1/2 | 1/2    |   | 1/2    |   | 1/2    |
| 3/4 | 2,168.36 | 3/4 | 1,808.22 | 3/4 | 1,450.66 | 3/4 | 1,090.70 | 3/4 | 733.45 | 3/4 | 383.10 | 3/4 | 29.54  | 3/4 | 3/4    |   | 3/4    |   | 3/4    |
| 4   | 2,160.85 | 4   | 1,800.72 | 4   | 1,443.21 | 4   | 1,083.20 | 4   | 726.21 | 4   | 375.60 | 4   | 24.84  | 4   | 4      |   | 4      |   | 4      |
| 1/4 | 2,153.35 | 1/4 | 1,793.22 | 1/4 | 1,435.77 | 1/4 | 1,075.69 | 1/4 | 718.98 | 1/4 | 368.09 | 1/4 | 20.14  | 1/4 | 1/4    |   | 1/4    |   | 1/4    |
| 1/2 | 2,145.85 | 1/2 | 1,785.71 | 1/2 | 1,428.32 | 1/2 | 1,068.19 | 1/2 | 711.74 | 1/2 | 360.59 | 1/2 | 15.44  | 1/2 | 1/2    |   | 1/2    |   | 1/2    |
| 3/4 | 2,138.35 | 3/4 | 1,778.27 | 3/4 | 1,420.82 | 3/4 | 1,060.69 | 3/4 | 704.51 | 3/4 | 353.09 | 3/4 |        | 3/4 | 3/4    |   | 3/4    |   | 3/4    |
| 5   | 2,130.84 | 5   | 1,770.82 | 5   | 1,413.32 | 5   | 1,053.19 | 5   | 697.27 | 5   | 345.59 | 5   |        | 5   | 5      |   | 5      |   | 5      |
| 1/4 | 2,123.34 | 1/4 | 1,763.38 | 1/4 | 1,405.81 | 1/4 | 1,045.68 | 1/4 | 690.04 | 1/4 | 338.08 | 1/4 |        | 1/4 | 1/4    |   | 1/4    |   | 1/4    |
| 1/2 | 2,115.84 | 1/2 | 1,755.93 | 1/2 | 1,398.31 | 1/2 | 1,038.18 | 1/2 | 682.80 | 1/2 | 330.58 | 1/2 |        | 1/2 | 1/2    |   | 1/2    |   | 1/2    |
| 3/4 | 2,108.33 | 3/4 | 1,748.49 | 3/4 | 1,390.81 | 3/4 | 1,030.68 | 3/4 | 675.57 | 3/4 | 323.08 | 3/4 |        | 3/4 | 3/4    |   | 3/4    |   | 3/4    |
| 6   | 2,100.83 | 6   | 1,741.04 | 6   | 1,383.30 | 6   | 1,023.18 | 6   | 668.33 | 6   | 315.58 | 6   |        | 6   | 6      |   | 6      |   | 6      |
| 1/4 | 2,093.33 | 1/4 | 1,733.59 | 1/4 | 1,375.80 | 1/4 | 1,015.67 | 1/4 | 661.10 | 1/4 | 308.07 | 1/4 |        | 1/4 | 1/4    |   | 1/4    |   | 1/4    |
| 1/2 | 2,085.83 | 1/2 | 1,726.15 | 1/2 | 1,368.30 | 1/2 | 1,008.17 | 1/2 | 653.86 | 1/2 | 300.57 | 1/2 |        | 1/2 | 1/2    |   | 1/2    |   | 1/2    |
| 3/4 | 2,078.32 | 3/4 | 1,718.70 | 3/4 | 1,360.80 | 3/4 | 1,000.67 | 3/4 | 646.63 | 3/4 | 293.07 | 3/4 |        | 3/4 | 3/4    |   | 3/4    |   | 3/4    |
| 7   | 2,070.82 | 7   | 1,711.26 | 7   | 1,353.29 | 7   | 993.16   | 7   | 639.39 | 7   | 285.57 | 7   |        | 7   | 7      |   | 7      |   | 7      |
| 1/4 | 2,063.32 | 1/4 | 1,703.81 | 1/4 | 1,345.79 | 1/4 | 985.66   | 1/4 | 632.16 | 1/4 | 278.06 | 1/4 |        | 1/4 | 1/4    |   | 1/4    |   | 1/4    |
| 1/2 | 2,055.82 | 1/2 | 1,696.37 | 1/2 | 1,338.29 | 1/2 | 978.16   | 1/2 | 624.92 | 1/2 | 270.56 | 1/2 |        | 1/2 | 1/2    |   | 1/2    |   | 1/2    |
| 3/4 | 2,048.31 | 3/4 | 1,688.92 | 3/4 | 1,330.79 | 3/4 | 970.66   | 3/4 | 617.69 | 3/4 | 263.06 | 3/4 |        | 3/4 | 3/4    |   | 3/4    |   | 3/4    |
| 8   | 2,040.81 | 8   | 1,681.47 | 8   | 1,323.28 | 8   | 963.15   | 8   | 610.45 | 8   | 255.56 | 8   |        | 8   | 8      |   | 8      |   | 8      |
| 1/4 | 2,033.31 | 1/4 | 1,674.03 | 1/4 | 1,315.78 | 1/4 | 955.65   | 1/4 | 603.22 | 1/4 | 248.05 | 1/4 |        | 1/4 | 1/4    |   | 1/4    |   | 1/4    |
| 1/2 | 2,025.80 | 1/2 | 1,666.58 | 1/2 | 1,308.28 | 1/2 | 948.15   | 1/2 | 595.98 | 1/2 | 240.55 | 1/2 |        | 1/2 | 1/2    |   | 1/2    |   | 1/2    |
| 3/4 | 2,018.30 | 3/4 | 1,659.14 | 3/4 | 1,300.77 | 3/4 | 940.65   | 3/4 | 588.75 | 3/4 | 233.05 | 3/4 |        | 3/4 | 3/4    |   | 3/4    |   | 3/4    |
| 9   | 2,010.80 | 9   | 1,651.69 | 9   | 1,293.27 | 9   | 933.14   | 9   | 581.51 | 9   | 225.55 | 9   |        | 9   | 9      |   | 9      |   | 9      |
| 1/4 | 2,003.30 | 1/4 | 1,644.25 | 1/4 | 1,285.77 | 1/4 | 925.64   | 1/4 | 574.28 | 1/4 | 218.04 | 1/4 |        | 1/4 | 1/4    |   | 1/4    |   | 1/4    |
| 1/2 | 1,995.79 | 1/2 | 1,636.80 | 1/2 | 1,278.27 | 1/2 | 918.14   | 1/2 | 567.04 | 1/2 | 210.54 | 1/2 |        | 1/2 | 1/2    |   | 1/2    |   | 1/2    |
| 3/4 | 1,988.29 | 3/4 | 1,629.35 | 3/4 | 1,270.76 | 3/4 | 910.63   | 3/4 | 559.81 | 3/4 | 203.04 | 3/4 |        | 3/4 | 3/4    |   | 3/4    |   | 3/4    |
| 10  | 1,980.79 | 10  | 1,621.91 | 10  | 1,263.26 | 10  | 903.13   | 10  | 552.57 | 10  | 195.54 | 10  |        | 10  | 10     |   | 10     |   | 10     |
| 1/4 | 1,973.28 | 1/4 | 1,614.46 | 1/4 | 1,255.76 | 1/4 | 895.63   | 1/4 | 545.34 | 1/4 | 188.03 | 1/4 |        | 1/4 | 1/4    |   | 1/4    |   | 1/4    |
| 1/2 | 1,965.78 | 1/2 | 1,607.02 | 1/2 | 1,248.26 | 1/2 | 888.13   | 1/2 | 538.10 | 1/2 | 180.53 | 1/2 |        | 1/2 | 1/2    |   | 1/2    |   | 1/2    |
| 3/4 | 1,958.28 | 3/4 | 1,599.57 | 3/4 | 1,240.75 | 3/4 | 880.62   | 3/4 | 530.86 | 3/4 | 173.03 | 3/4 |        | 3/4 | 3/4    |   | 3/4    |   | 3/4    |
| 11  | 1,950.78 | 11  | 1,592.13 | 11  | 1,233.25 | 11  | 873.12   | 11  | 523.62 | 11  | 165.53 | 11  |        | 11  | 11     |   | 11     |   | 11     |
| 1/4 | 1,943.27 | 1/4 | 1,584.68 | 1/4 | 1,225.75 | 1/4 | 865.62   | 1/4 | 516.37 | 1/4 | 158.02 | 1/4 |        | 1/4 | 1/4    |   | 1/4    |   | 1/4    |
| 1/2 | 1,935.77 | 1/2 | 1,577.23 | 1/2 | 1,218.25 | 1/2 | 858.12   | 1/2 | 509.13 | 1/2 | 150.52 | 1/2 |        | 1/2 | 1/2    |   | 1/2    |   | 1/2    |
| 3/4 | 1,928.27 | 3/4 | 1,569.79 | 3/4 | 1,210.74 | 3/4 | 850.61   | 3/4 | 501.88 | 3/4 | 143.02 | 3/4 |        | 3/4 | 3/4    |   | 3/4    |   | 3/4    |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/26/2013  
RECALCULATED: 12/28/2018  
VERIFIED: 01/31/2024 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2024

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



# BARGE "KIRBY 27011"

## FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

| IN  | 0 FT. | IN  | 1 FT. | IN  | 2 FT. | IN  | 3 FT. | IN  | 4 FT. | IN  | 5 FT. | IN  | 6 FT. | IN  | 7 FT. | IN  | 8 FT. | IN  | 9 FT. |
|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|
| 0   | 0     | 0   | 187   | 0   | 373   | 0   | 560   | 0   | 746   | 0   |       | 0   |       | 0   |       | 0   |       | 0   |       |
| 1/4 | 4     | 1/4 | 190   | 1/4 | 377   | 1/4 | 564   | 1/4 | 750   | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 8     | 1/2 | 194   | 1/2 | 381   | 1/2 | 567   | 1/2 | 754   | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 12    | 3/4 | 198   | 3/4 | 385   | 3/4 | 571   | 3/4 | 758   | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 1   | 16    | 1   | 202   | 1   | 389   | 1   | 575   | 1   | 762   | 1   |       | 1   |       | 1   |       | 1   |       | 1   |       |
| 1/4 | 19    | 1/4 | 206   | 1/4 | 393   | 1/4 | 579   | 1/4 | 766   | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 23    | 1/2 | 210   | 1/2 | 396   | 1/2 | 583   | 1/2 | 770   | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 27    | 3/4 | 214   | 3/4 | 400   | 3/4 | 587   | 3/4 | 773   | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 2   | 31    | 2   | 218   | 2   | 404   | 2   | 591   | 2   | 777   | 2   |       | 2   |       | 2   |       | 2   |       | 2   |       |
| 1/4 | 35    | 1/4 | 222   | 1/4 | 408   | 1/4 | 595   | 1/4 | 781   | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 39    | 1/2 | 225   | 1/2 | 412   | 1/2 | 599   | 1/2 | 785   | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 43    | 3/4 | 229   | 3/4 | 416   | 3/4 | 602   | 3/4 | 789   | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 3   | 47    | 3   | 233   | 3   | 420   | 3   | 606   | 3   | 793   | 3   |       | 3   |       | 3   |       | 3   |       | 3   |       |
| 1/4 | 51    | 1/4 | 237   | 1/4 | 424   | 1/4 | 610   | 1/4 | 797   | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 54    | 1/2 | 241   | 1/2 | 428   | 1/2 | 614   | 1/2 | 801   | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 58    | 3/4 | 245   | 3/4 | 431   | 3/4 | 618   | 3/4 | 805   | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 4   | 62    | 4   | 249   | 4   | 435   | 4   | 622   | 4   | 808   | 4   |       | 4   |       | 4   |       | 4   |       | 4   |       |
| 1/4 | 66    | 1/4 | 253   | 1/4 | 439   | 1/4 | 626   | 1/4 | 812   | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 70    | 1/2 | 257   | 1/2 | 443   | 1/2 | 630   | 1/2 | 816   | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 74    | 3/4 | 260   | 3/4 | 447   | 3/4 | 634   | 3/4 | 820   | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 5   | 78    | 5   | 264   | 5   | 451   | 5   | 637   | 5   | 824   | 5   |       | 5   |       | 5   |       | 5   |       | 5   |       |
| 1/4 | 82    | 1/4 | 268   | 1/4 | 455   | 1/4 | 641   | 1/4 | 828   | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 86    | 1/2 | 272   | 1/2 | 459   | 1/2 | 645   | 1/2 | 832   | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 89    | 3/4 | 276   | 3/4 | 463   | 3/4 | 649   | 3/4 | 836   | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 6   | 93    | 6   | 280   | 6   | 466   | 6   | 653   | 6   |       | 6   |       | 6   |       | 6   |       | 6   |       | 6   |       |
| 1/4 | 97    | 1/4 | 284   | 1/4 | 470   | 1/4 | 657   | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 101   | 1/2 | 288   | 1/2 | 474   | 1/2 | 661   | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 105   | 3/4 | 292   | 3/4 | 478   | 3/4 | 665   | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 7   | 109   | 7   | 295   | 7   | 482   | 7   | 669   | 7   |       | 7   |       | 7   |       | 7   |       | 7   |       | 7   |       |
| 1/4 | 113   | 1/4 | 299   | 1/4 | 486   | 1/4 | 672   | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 117   | 1/2 | 303   | 1/2 | 490   | 1/2 | 676   | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 120   | 3/4 | 307   | 3/4 | 494   | 3/4 | 680   | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 8   | 124   | 8   | 311   | 8   | 498   | 8   | 684   | 8   |       | 8   |       | 8   |       | 8   |       | 8   |       | 8   |       |
| 1/4 | 128   | 1/4 | 315   | 1/4 | 501   | 1/4 | 688   | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 132   | 1/2 | 319   | 1/2 | 505   | 1/2 | 692   | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 136   | 3/4 | 323   | 3/4 | 509   | 3/4 | 696   | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 9   | 140   | 9   | 326   | 9   | 513   | 9   | 700   | 9   |       | 9   |       | 9   |       | 9   |       | 9   |       | 9   |       |
| 1/4 | 144   | 1/4 | 330   | 1/4 | 517   | 1/4 | 704   | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 148   | 1/2 | 334   | 1/2 | 521   | 1/2 | 707   | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 152   | 3/4 | 338   | 3/4 | 525   | 3/4 | 711   | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 10  | 155   | 10  | 342   | 10  | 529   | 10  | 715   | 10  |       | 10  |       | 10  |       | 10  |       | 10  |       | 10  |       |
| 1/4 | 159   | 1/4 | 346   | 1/4 | 532   | 1/4 | 719   | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 163   | 1/2 | 350   | 1/2 | 536   | 1/2 | 723   | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 167   | 3/4 | 354   | 3/4 | 540   | 3/4 | 727   | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 11  | 171   | 11  | 358   | 11  | 544   | 11  | 731   | 11  |       | 11  |       | 11  |       | 11  |       | 11  |       | 11  |       |
| 1/4 | 175   | 1/4 | 361   | 1/4 | 548   | 1/4 | 735   | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 179   | 1/2 | 365   | 1/2 | 552   | 1/2 | 738   | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 183   | 3/4 | 369   | 3/4 | 556   | 3/4 | 742   | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES

STRAPPED: 01/30/2024 CL  
 CALCULATED: 01/30/2024 CL  
 PRINTED: 01/30/2024 CL

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 01/2024

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 27011"

## PORT SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

| IN  | 0 FT. | IN  | 1 FT. | IN  | 2 FT. | IN  | 3 FT. | IN  | 4 FT. | IN  | 5 FT. | IN  | 6 FT. | IN  | 7 FT. | IN  | 8 FT. | IN  | 9 FT. |
|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|
| 0   | 0     | 0   | 1,046 | 0   | 2,070 | 0   | 3,043 | 0   | 3,965 | 0   |       | 0   |       | 0   |       | 0   |       | 0   |       |
| 1/4 | 22    | 1/4 | 1,068 | 1/4 | 2,091 | 1/4 | 3,063 | 1/4 | 3,984 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 44    | 1/2 | 1,090 | 1/2 | 2,112 | 1/2 | 3,082 | 1/2 | 4,002 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 65    | 3/4 | 1,112 | 3/4 | 2,132 | 3/4 | 3,102 | 3/4 | 4,021 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 1   | 87    | 1   | 1,134 | 1   | 2,153 | 1   | 3,122 | 1   | 4,040 | 1   |       | 1   |       | 1   |       | 1   |       | 1   |       |
| 1/4 | 109   | 1/4 | 1,155 | 1/4 | 2,174 | 1/4 | 3,141 | 1/4 | 4,058 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 131   | 1/2 | 1,177 | 1/2 | 2,194 | 1/2 | 3,161 | 1/2 | 4,077 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 153   | 3/4 | 1,199 | 3/4 | 2,215 | 3/4 | 3,181 | 3/4 | 4,095 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 2   | 174   | 2   | 1,221 | 2   | 2,236 | 2   | 3,200 | 2   | 4,114 | 2   |       | 2   |       | 2   |       | 2   |       | 2   |       |
| 1/4 | 196   | 1/4 | 1,242 | 1/4 | 2,256 | 1/4 | 3,220 | 1/4 | 4,132 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 218   | 1/2 | 1,264 | 1/2 | 2,277 | 1/2 | 3,239 | 1/2 | 4,151 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 240   | 3/4 | 1,285 | 3/4 | 2,297 | 3/4 | 3,259 | 3/4 | 4,169 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 3   | 262   | 3   | 1,307 | 3   | 2,318 | 3   | 3,278 | 3   | 4,188 | 3   |       | 3   |       | 3   |       | 3   |       | 3   |       |
| 1/4 | 283   | 1/4 | 1,329 | 1/4 | 2,338 | 1/4 | 3,298 | 1/4 | 4,206 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 305   | 1/2 | 1,350 | 1/2 | 2,359 | 1/2 | 3,317 | 1/2 | 4,225 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 327   | 3/4 | 1,372 | 3/4 | 2,379 | 3/4 | 3,337 | 3/4 | 4,243 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 4   | 349   | 4   | 1,393 | 4   | 2,400 | 4   | 3,356 | 4   | 4,261 | 4   |       | 4   |       | 4   |       | 4   |       | 4   |       |
| 1/4 | 371   | 1/4 | 1,415 | 1/4 | 2,420 | 1/4 | 3,375 | 1/4 | 4,280 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 392   | 1/2 | 1,436 | 1/2 | 2,441 | 1/2 | 3,395 | 1/2 | 4,298 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 414   | 3/4 | 1,458 | 3/4 | 2,461 | 3/4 | 3,414 | 3/4 | 4,316 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 5   | 436   | 5   | 1,479 | 5   | 2,482 | 5   | 3,433 | 5   | 4,334 | 5   |       | 5   |       | 5   |       | 5   |       | 5   |       |
| 1/4 | 458   | 1/4 | 1,500 | 1/4 | 2,502 | 1/4 | 3,453 | 1/4 | 4,351 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 480   | 1/2 | 1,522 | 1/2 | 2,522 | 1/2 | 3,472 | 1/2 | 4,367 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 501   | 3/4 | 1,543 | 3/4 | 2,543 | 3/4 | 3,491 | 3/4 | 4,383 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 6   | 523   | 6   | 1,565 | 6   | 2,563 | 6   | 3,510 | 6   |       | 6   |       | 6   |       | 6   |       | 6   |       | 6   |       |
| 1/4 | 545   | 1/4 | 1,586 | 1/4 | 2,583 | 1/4 | 3,530 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 567   | 1/2 | 1,607 | 1/2 | 2,603 | 1/2 | 3,549 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 589   | 3/4 | 1,628 | 3/4 | 2,624 | 3/4 | 3,568 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 7   | 610   | 7   | 1,650 | 7   | 2,644 | 7   | 3,587 | 7   |       | 7   |       | 7   |       | 7   |       | 7   |       | 7   |       |
| 1/4 | 632   | 1/4 | 1,671 | 1/4 | 2,664 | 1/4 | 3,606 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 654   | 1/2 | 1,692 | 1/2 | 2,684 | 1/2 | 3,625 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 676   | 3/4 | 1,713 | 3/4 | 2,704 | 3/4 | 3,644 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 8   | 698   | 8   | 1,734 | 8   | 2,724 | 8   | 3,663 | 8   |       | 8   |       | 8   |       | 8   |       | 8   |       | 8   |       |
| 1/4 | 719   | 1/4 | 1,756 | 1/4 | 2,744 | 1/4 | 3,682 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 741   | 1/2 | 1,777 | 1/2 | 2,764 | 1/2 | 3,701 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 763   | 3/4 | 1,798 | 3/4 | 2,784 | 3/4 | 3,720 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 9   | 785   | 9   | 1,819 | 9   | 2,805 | 9   | 3,739 | 9   |       | 9   |       | 9   |       | 9   |       | 9   |       | 9   |       |
| 1/4 | 807   | 1/4 | 1,840 | 1/4 | 2,824 | 1/4 | 3,758 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 828   | 1/2 | 1,861 | 1/2 | 2,844 | 1/2 | 3,777 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 850   | 3/4 | 1,882 | 3/4 | 2,864 | 3/4 | 3,796 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 10  | 872   | 10  | 1,903 | 10  | 2,884 | 10  | 3,815 | 10  |       | 10  |       | 10  |       | 10  |       | 10  |       | 10  |       |
| 1/4 | 894   | 1/4 | 1,924 | 1/4 | 2,904 | 1/4 | 3,834 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 916   | 1/2 | 1,945 | 1/2 | 2,924 | 1/2 | 3,853 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 937   | 3/4 | 1,966 | 3/4 | 2,944 | 3/4 | 3,871 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 11  | 959   | 11  | 1,987 | 11  | 2,964 | 11  | 3,890 | 11  |       | 11  |       | 11  |       | 11  |       | 11  |       | 11  |       |
| 1/4 | 981   | 1/4 | 2,008 | 1/4 | 2,984 | 1/4 | 3,909 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 1,003 | 1/2 | 2,028 | 1/2 | 3,003 | 1/2 | 3,928 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 1,025 | 3/4 | 2,049 | 3/4 | 3,023 | 3/4 | 3,946 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES

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





# BARGE "KIRBY 27011"

## STBD SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

| IN  | 0 FT. | IN  | 1 FT. | IN  | 2 FT. | IN  | 3 FT. | IN  | 4 FT. | IN  | 5 FT. | IN  | 6 FT. | IN  | 7 FT. | IN  | 8 FT. | IN  | 9 FT. |
|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|
| 0   | 0     | 0   | 1,046 | 0   | 2,069 | 0   | 3,041 | 0   | 3,963 | 0   |       | 0   |       | 0   |       | 0   |       | 0   |       |
| 1/4 | 22    | 1/4 | 1,068 | 1/4 | 2,090 | 1/4 | 3,061 | 1/4 | 3,982 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 44    | 1/2 | 1,090 | 1/2 | 2,111 | 1/2 | 3,081 | 1/2 | 4,000 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 65    | 3/4 | 1,111 | 3/4 | 2,131 | 3/4 | 3,101 | 3/4 | 4,019 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 1   | 87    | 1   | 1,133 | 1   | 2,152 | 1   | 3,120 | 1   | 4,038 | 1   |       | 1   |       | 1   |       | 1   |       | 1   |       |
| 1/4 | 109   | 1/4 | 1,155 | 1/4 | 2,173 | 1/4 | 3,140 | 1/4 | 4,056 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 131   | 1/2 | 1,176 | 1/2 | 2,193 | 1/2 | 3,159 | 1/2 | 4,075 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 153   | 3/4 | 1,198 | 3/4 | 2,214 | 3/4 | 3,179 | 3/4 | 4,093 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 2   | 174   | 2   | 1,220 | 2   | 2,235 | 2   | 3,199 | 2   | 4,112 | 2   |       | 2   |       | 2   |       | 2   |       | 2   |       |
| 1/4 | 196   | 1/4 | 1,242 | 1/4 | 2,255 | 1/4 | 3,218 | 1/4 | 4,130 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 218   | 1/2 | 1,263 | 1/2 | 2,276 | 1/2 | 3,238 | 1/2 | 4,149 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 240   | 3/4 | 1,285 | 3/4 | 2,296 | 3/4 | 3,257 | 3/4 | 4,167 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 3   | 261   | 3   | 1,306 | 3   | 2,317 | 3   | 3,277 | 3   | 4,186 | 3   |       | 3   |       | 3   |       | 3   |       | 3   |       |
| 1/4 | 283   | 1/4 | 1,328 | 1/4 | 2,337 | 1/4 | 3,296 | 1/4 | 4,204 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 305   | 1/2 | 1,349 | 1/2 | 2,358 | 1/2 | 3,316 | 1/2 | 4,222 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 327   | 3/4 | 1,371 | 3/4 | 2,378 | 3/4 | 3,335 | 3/4 | 4,241 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 4   | 349   | 4   | 1,393 | 4   | 2,399 | 4   | 3,354 | 4   | 4,259 | 4   |       | 4   |       | 4   |       | 4   |       | 4   |       |
| 1/4 | 370   | 1/4 | 1,414 | 1/4 | 2,419 | 1/4 | 3,374 | 1/4 | 4,277 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 392   | 1/2 | 1,435 | 1/2 | 2,440 | 1/2 | 3,393 | 1/2 | 4,296 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 414   | 3/4 | 1,457 | 3/4 | 2,460 | 3/4 | 3,412 | 3/4 | 4,314 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 5   | 436   | 5   | 1,478 | 5   | 2,480 | 5   | 3,432 | 5   | 4,332 | 5   |       | 5   |       | 5   |       | 5   |       | 5   |       |
| 1/4 | 458   | 1/4 | 1,500 | 1/4 | 2,501 | 1/4 | 3,451 | 1/4 | 4,349 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 479   | 1/2 | 1,521 | 1/2 | 2,521 | 1/2 | 3,470 | 1/2 | 4,365 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 501   | 3/4 | 1,542 | 3/4 | 2,541 | 3/4 | 3,489 | 3/4 | 4,381 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 6   | 523   | 6   | 1,564 | 6   | 2,562 | 6   | 3,509 | 6   | 4,400 | 6   |       | 6   |       | 6   |       | 6   |       | 6   |       |
| 1/4 | 545   | 1/4 | 1,585 | 1/4 | 2,582 | 1/4 | 3,528 | 1/4 | 4,418 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 567   | 1/2 | 1,606 | 1/2 | 2,602 | 1/2 | 3,547 | 1/2 | 4,436 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 588   | 3/4 | 1,628 | 3/4 | 2,622 | 3/4 | 3,566 | 3/4 | 4,454 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 7   | 610   | 7   | 1,649 | 7   | 2,642 | 7   | 3,585 | 7   | 4,472 | 7   |       | 7   |       | 7   |       | 7   |       | 7   |       |
| 1/4 | 632   | 1/4 | 1,670 | 1/4 | 2,663 | 1/4 | 3,604 | 1/4 | 4,490 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 654   | 1/2 | 1,691 | 1/2 | 2,683 | 1/2 | 3,623 | 1/2 | 4,508 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 676   | 3/4 | 1,712 | 3/4 | 2,703 | 3/4 | 3,643 | 3/4 | 4,526 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 8   | 697   | 8   | 1,734 | 8   | 2,723 | 8   | 3,662 | 8   | 4,544 | 8   |       | 8   |       | 8   |       | 8   |       | 8   |       |
| 1/4 | 719   | 1/4 | 1,755 | 1/4 | 2,743 | 1/4 | 3,681 | 1/4 | 4,562 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 741   | 1/2 | 1,776 | 1/2 | 2,763 | 1/2 | 3,700 | 1/2 | 4,580 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 763   | 3/4 | 1,797 | 3/4 | 2,783 | 3/4 | 3,719 | 3/4 | 4,598 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 9   | 784   | 9   | 1,818 | 9   | 2,803 | 9   | 3,737 | 9   | 4,616 | 9   |       | 9   |       | 9   |       | 9   |       | 9   |       |
| 1/4 | 806   | 1/4 | 1,839 | 1/4 | 2,823 | 1/4 | 3,756 | 1/4 | 4,634 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 828   | 1/2 | 1,860 | 1/2 | 2,843 | 1/2 | 3,775 | 1/2 | 4,652 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 850   | 3/4 | 1,881 | 3/4 | 2,863 | 3/4 | 3,794 | 3/4 | 4,670 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 10  | 872   | 10  | 1,902 | 10  | 2,883 | 10  | 3,813 | 10  | 4,688 | 10  |       | 10  |       | 10  |       | 10  |       | 10  |       |
| 1/4 | 893   | 1/4 | 1,923 | 1/4 | 2,903 | 1/4 | 3,832 | 1/4 | 4,706 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 915   | 1/2 | 1,944 | 1/2 | 2,923 | 1/2 | 3,851 | 1/2 | 4,724 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 937   | 3/4 | 1,965 | 3/4 | 2,943 | 3/4 | 3,870 | 3/4 | 4,742 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |
| 11  | 959   | 11  | 1,986 | 11  | 2,962 | 11  | 3,888 | 11  | 4,760 | 11  |       | 11  |       | 11  |       | 11  |       | 11  |       |
| 1/4 | 981   | 1/4 | 2,007 | 1/4 | 2,982 | 1/4 | 3,907 | 1/4 | 4,778 | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       | 1/4 |       |
| 1/2 | 1,002 | 1/2 | 2,027 | 1/2 | 3,002 | 1/2 | 3,926 | 1/2 | 4,796 | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       | 1/2 |       |
| 3/4 | 1,024 | 3/4 | 2,048 | 3/4 | 3,022 | 3/4 | 3,945 | 3/4 | 4,814 | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       | 3/4 |       |

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