



BARGE "KIRBY 28051"

ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 236'-06"

March 25, 2007

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28051"

1 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 1/4"

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | | | |
|-------|-----|-------|-----|-------|-----|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-----|----------|
| IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | |
| 0 | | 0 | | 0 | | 0 | 4,211.58 | 0 | 3,923.48 | 0 | 3,621.19 | 0 | 3,304.96 | 0 | 2,976.33 | 0 | 2,645.33 | 0 | 2,314.31 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,205.69 | 1/4 | 3,917.36 | 1/4 | 3,614.75 | 1/4 | 3,298.24 | 1/4 | 2,969.43 | 1/4 | 2,638.44 | 1/4 | 2,307.41 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,199.79 | 1/2 | 3,911.21 | 1/2 | 3,608.28 | 1/2 | 3,291.49 | 1/2 | 2,962.53 | 1/2 | 2,631.54 | 1/2 | 2,300.52 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,193.88 | 3/4 | 3,905.06 | 3/4 | 3,601.82 | 3/4 | 3,284.74 | 3/4 | 2,955.64 | 3/4 | 2,624.64 | 3/4 | 2,293.62 | | |
| 1 | | 1 | | 1 | | 1 | 4,187.98 | 1 | 3,898.91 | 1 | 3,595.35 | 1 | 3,278.00 | 1 | 2,948.74 | 1 | 2,617.75 | 1 | 2,286.72 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,182.08 | 1/4 | 3,892.76 | 1/4 | 3,588.89 | 1/4 | 3,271.25 | 1/4 | 2,941.85 | 1/4 | 2,610.85 | 1/4 | 2,279.83 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,176.15 | 1/2 | 3,886.59 | 1/2 | 3,582.40 | 1/2 | 3,264.48 | 1/2 | 2,934.95 | 1/2 | 2,603.96 | 1/2 | 2,272.93 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,170.23 | 3/4 | 3,880.41 | 3/4 | 3,575.91 | 3/4 | 3,257.70 | 3/4 | 2,928.06 | 3/4 | 2,597.06 | 3/4 | 2,266.03 | | |
| 2 | | 2 | | 2 | | 2 | 4,164.30 | 2 | 3,874.24 | 2 | 3,569.42 | 2 | 3,250.93 | 2 | 2,921.16 | 2 | 2,590.17 | 2 | 2,259.13 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,158.37 | 1/4 | 3,868.06 | 1/4 | 3,562.93 | 1/4 | 3,244.15 | 1/4 | 2,914.26 | 1/4 | 2,583.27 | 1/4 | 2,252.24 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,152.42 | 1/2 | 3,861.87 | 1/2 | 3,556.42 | 1/2 | 3,237.36 | 1/2 | 2,907.37 | 1/2 | 2,576.37 | 1/2 | 2,245.34 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,146.47 | 3/4 | 3,855.67 | 3/4 | 3,549.92 | 3/4 | 3,230.56 | 3/4 | 2,900.47 | 3/4 | 2,569.48 | 3/4 | 2,238.44 | | |
| 3 | | 3 | | 3 | | 3 | 4,140.52 | 3 | 3,849.48 | 3 | 3,543.41 | 3 | 3,223.77 | 3 | 2,893.58 | 3 | 2,562.58 | 3 | 2,231.55 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,134.56 | 1/4 | 3,843.28 | 1/4 | 3,536.90 | 1/4 | 3,216.98 | 1/4 | 2,886.68 | 1/4 | 2,555.69 | 1/4 | 2,224.65 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,128.62 | 1/2 | 3,837.03 | 1/2 | 3,530.36 | 1/2 | 3,210.16 | 1/2 | 2,879.79 | 1/2 | 2,548.79 | 1/2 | 2,217.75 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,122.69 | 3/4 | 3,830.78 | 3/4 | 3,523.82 | 3/4 | 3,203.35 | 3/4 | 2,872.89 | 3/4 | 2,541.90 | 3/4 | 2,210.85 | | |
| 4 | | 4 | | 4 | | 4 | 4,116.75 | 4 | 3,824.52 | 4 | 3,517.29 | 4 | 3,196.53 | 4 | 2,865.99 | 4 | 2,535.00 | 4 | 2,203.96 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,110.81 | 1/4 | 3,818.27 | 1/4 | 3,510.75 | 1/4 | 3,189.72 | 1/4 | 2,859.10 | 1/4 | 2,528.10 | 1/4 | 2,197.06 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,104.84 | 1/2 | 3,811.99 | 1/2 | 3,504.20 | 1/2 | 3,182.87 | 1/2 | 2,852.20 | 1/2 | 2,521.21 | 1/2 | 2,190.16 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,098.88 | 3/4 | 3,805.72 | 3/4 | 3,497.64 | 3/4 | 3,176.03 | 3/4 | 2,845.31 | 3/4 | 2,514.31 | 3/4 | 2,183.27 | | |
| 5 | | 5 | | 5 | | 5 | 4,092.92 | 5 | 3,799.44 | 5 | 3,491.08 | 5 | 3,169.18 | 5 | 2,838.41 | 5 | 2,507.42 | 5 | 2,176.37 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,086.96 | 1/4 | 3,793.16 | 1/4 | 3,484.52 | 1/4 | 3,162.34 | 1/4 | 2,831.52 | 1/4 | 2,500.52 | 1/4 | 2,169.47 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,080.97 | 1/2 | 3,786.86 | 1/2 | 3,477.94 | 1/2 | 3,155.48 | 1/2 | 2,824.62 | 1/2 | 2,493.63 | 1/2 | 2,162.58 | | |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,074.99 | 3/4 | 3,780.56 | 3/4 | 3,471.35 | 3/4 | 3,148.61 | 3/4 | 2,817.72 | 3/4 | 2,486.73 | 3/4 | 2,155.68 | | |
| 6 | | 6 | | 6 | | 6 | 4,069.00 | 6 | 3,774.26 | 6 | 3,464.76 | 6 | 3,141.75 | 6 | 2,810.83 | 6 | 2,479.83 | 6 | 2,148.78 | | |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,063.01 | 1/4 | 3,767.96 | 1/4 | 3,458.18 | 1/4 | 3,134.89 | 1/4 | 2,803.93 | 1/4 | 2,472.94 | 1/4 | 2,141.88 | | |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,355.10 | 1/2 | 4,057.00 | 1/2 | 3,761.63 | 1/2 | 3,451.57 | 1/2 | 3,128.00 | 1/2 | 2,797.04 | 1/2 | 2,466.04 | 1/2 | 2,134.99 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,349.93 | 3/4 | 4,050.99 | 3/4 | 3,755.30 | 3/4 | 3,444.96 | 3/4 | 3,121.11 | 3/4 | 2,790.14 | 3/4 | 2,459.15 | 3/4 | 2,128.09 |
| 7 | | 7 | | 7 | | 7 | 4,344.75 | 7 | 4,044.98 | 7 | 3,748.97 | 7 | 3,438.36 | 7 | 3,114.23 | 7 | 2,783.25 | 7 | 2,452.25 | 7 | 2,121.19 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,339.58 | 1/4 | 4,038.97 | 1/4 | 3,742.64 | 1/4 | 3,431.75 | 1/4 | 3,107.34 | 1/4 | 2,776.35 | 1/4 | 2,445.36 | 1/4 | 2,114.30 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,332.68 | 1/2 | 4,032.94 | 1/2 | 3,736.30 | 1/2 | 3,425.13 | 1/2 | 3,100.45 | 1/2 | 2,769.45 | 1/2 | 2,438.46 | 1/2 | 2,107.40 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,325.78 | 3/4 | 4,026.90 | 3/4 | 3,729.95 | 3/4 | 3,418.50 | 3/4 | 3,093.55 | 3/4 | 2,762.56 | 3/4 | 2,431.56 | 3/4 | 2,100.50 |
| 8 | | 8 | | 8 | | 8 | 4,318.89 | 8 | 4,020.86 | 8 | 3,723.60 | 8 | 3,411.87 | 8 | 3,086.66 | 8 | 2,755.66 | 8 | 2,424.67 | 8 | 2,093.60 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,311.99 | 1/4 | 4,014.82 | 1/4 | 3,717.25 | 1/4 | 3,405.24 | 1/4 | 3,079.76 | 1/4 | 2,748.77 | 1/4 | 2,417.77 | 1/4 | 2,086.71 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,305.09 | 1/2 | 4,008.77 | 1/2 | 3,710.88 | 1/2 | 3,398.59 | 1/2 | 3,072.87 | 1/2 | 2,741.87 | 1/2 | 2,410.87 | 1/2 | 2,079.81 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,298.20 | 3/4 | 4,002.71 | 3/4 | 3,704.51 | 3/4 | 3,391.93 | 3/4 | 3,065.97 | 3/4 | 2,734.98 | 3/4 | 2,403.97 | 3/4 | 2,072.91 |
| 9 | | 9 | | 9 | | 9 | 4,291.30 | 9 | 3,996.65 | 9 | 3,698.14 | 9 | 3,385.28 | 9 | 3,059.07 | 9 | 2,728.08 | 9 | 2,397.08 | 9 | 2,066.02 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,284.40 | 1/4 | 3,990.60 | 1/4 | 3,691.77 | 1/4 | 3,378.62 | 1/4 | 3,052.18 | 1/4 | 2,721.18 | 1/4 | 2,390.18 | 1/4 | 2,059.12 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,277.51 | 1/2 | 3,984.52 | 1/2 | 3,685.37 | 1/2 | 3,371.95 | 1/2 | 3,045.28 | 1/2 | 2,714.29 | 1/2 | 2,383.28 | 1/2 | 2,052.22 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,270.61 | 3/4 | 3,978.44 | 3/4 | 3,678.98 | 3/4 | 3,365.27 | 3/4 | 3,038.39 | 3/4 | 2,707.39 | 3/4 | 2,376.39 | 3/4 | 2,045.32 |
| 10 | | 10 | | 10 | | 10 | 4,263.71 | 10 | 3,972.36 | 10 | 3,672.58 | 10 | 3,358.60 | 10 | 3,031.49 | 10 | 2,700.50 | 10 | 2,369.49 | 10 | 2,038.43 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,256.81 | 1/4 | 3,966.28 | 1/4 | 3,666.18 | 1/4 | 3,351.92 | 1/4 | 3,024.60 | 1/4 | 2,693.60 | 1/4 | 2,362.59 | 1/4 | 2,031.53 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,249.92 | 1/2 | 3,960.18 | 1/2 | 3,659.76 | 1/2 | 3,345.22 | 1/2 | 3,017.70 | 1/2 | 2,686.71 | 1/2 | 2,355.69 | 1/2 | 2,024.63 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,243.02 | 3/4 | 3,954.07 | 3/4 | 3,653.34 | 3/4 | 3,338.53 | 3/4 | 3,010.80 | 3/4 | 2,679.81 | 3/4 | 2,348.80 | 3/4 | 2,017.74 |
| 11 | | 11 | | 11 | | 11 | 4,236.12 | 11 | 3,947.97 | 11 | 3,646.93 | 11 | 3,331.83 | 11 | 3,003.91 | 11 | 2,672.91 | 11 | 2,341.90 | 11 | 2,010.84 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,229.23 | 1/4 | 3,941.86 | 1/4 | 3,640.51 | 1/4 | 3,325.13 | 1/4 | 2,997.01 | 1/4 | 2,666.02 | 1/4 | 2,335.00 | 1/4 | 2,003.94 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,223.34 | 1/2 | 3,935.73 | 1/2 | 3,634.07 | 1/2 | 3,318.41 | 1/2 | 2,990.12 | 1/2 | 2,659.12 | 1/2 | 2,328.11 | 1/2 | 1,997.04 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,217.46 | 3/4 | 3,929.61 | 3/4 | 3,627.63 | 3/4 | 3,311.68 | 3/4 | 2,983.22 | 3/4 | 2,652.23 | 3/4 | 2,321.21 | 3/4 | 1,990.15 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 37'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28051"

1 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 1/4"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 1,983.25 | 0 | 1,652.19 | 0 | 1,321.13 | 0 | 990.36 | 0 | 673.98 | 0 | 380.65 | 0 | 110.89 | 0 | | 0 | | 0 | |
| 1/4 | 1,976.35 | 1/4 | 1,645.29 | 1/4 | 1,314.23 | 1/4 | 983.51 | 1/4 | 667.61 | 1/4 | 374.78 | 1/4 | 105.51 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,969.46 | 1/2 | 1,638.40 | 1/2 | 1,307.33 | 1/2 | 976.69 | 1/2 | 661.29 | 1/2 | 368.94 | 1/2 | 100.16 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,962.56 | 3/4 | 1,631.50 | 3/4 | 1,300.44 | 3/4 | 969.87 | 3/4 | 654.96 | 3/4 | 363.11 | 3/4 | 94.82 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 1,955.66 | 1 | 1,624.60 | 1 | 1,293.54 | 1 | 963.06 | 1 | 648.63 | 1 | 357.27 | 1 | 89.48 | 1 | | 1 | | 1 | |
| 1/4 | 1,948.77 | 1/4 | 1,617.70 | 1/4 | 1,286.64 | 1/4 | 956.24 | 1/4 | 642.31 | 1/4 | 351.43 | 1/4 | 84.13 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,941.87 | 1/2 | 1,610.81 | 1/2 | 1,279.75 | 1/2 | 949.48 | 1/2 | 636.02 | 1/2 | 345.64 | 1/2 | 78.84 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,934.97 | 3/4 | 1,603.91 | 3/4 | 1,272.85 | 3/4 | 942.72 | 3/4 | 629.74 | 3/4 | 339.85 | 3/4 | 73.54 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 1,928.07 | 2 | 1,597.01 | 2 | 1,265.95 | 2 | 935.96 | 2 | 623.45 | 2 | 334.06 | 2 | 68.24 | 2 | | 2 | | 2 | |
| 1/4 | 1,921.18 | 1/4 | 1,590.12 | 1/4 | 1,259.06 | 1/4 | 929.20 | 1/4 | 617.17 | 1/4 | 328.26 | 1/4 | 62.94 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,914.28 | 1/2 | 1,583.22 | 1/2 | 1,252.16 | 1/2 | 922.49 | 1/2 | 610.92 | 1/2 | 322.51 | 1/2 | 57.68 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,907.38 | 3/4 | 1,576.32 | 3/4 | 1,245.26 | 3/4 | 915.77 | 3/4 | 604.68 | 3/4 | 316.76 | 3/4 | 52.42 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 1,900.49 | 3 | 1,569.42 | 3 | 1,238.36 | 3 | 909.05 | 3 | 598.44 | 3 | 311.00 | 3 | 47.16 | 3 | | 3 | | 3 | |
| 1/4 | 1,893.59 | 1/4 | 1,562.53 | 1/4 | 1,231.47 | 1/4 | 902.33 | 1/4 | 592.19 | 1/4 | 305.25 | 1/4 | 41.90 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,886.69 | 1/2 | 1,555.63 | 1/2 | 1,224.57 | 1/2 | 895.65 | 1/2 | 585.99 | 1/2 | 299.54 | 1/2 | 37.54 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,879.79 | 3/4 | 1,548.73 | 3/4 | 1,217.67 | 3/4 | 888.97 | 3/4 | 579.79 | 3/4 | 293.82 | 3/4 | 33.19 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 1,872.90 | 4 | 1,541.84 | 4 | 1,210.78 | 4 | 882.29 | 4 | 573.58 | 4 | 288.11 | 4 | 28.84 | 4 | | 4 | | 4 | |
| 1/4 | 1,866.00 | 1/4 | 1,534.94 | 1/4 | 1,203.88 | 1/4 | 875.62 | 1/4 | 567.38 | 1/4 | 282.40 | 1/4 | 24.48 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,859.10 | 1/2 | 1,528.04 | 1/2 | 1,196.98 | 1/2 | 868.98 | 1/2 | 561.22 | 1/2 | 276.73 | 1/2 | 21.89 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,852.21 | 3/4 | 1,521.14 | 3/4 | 1,190.08 | 3/4 | 862.34 | 3/4 | 555.06 | 3/4 | 271.06 | 3/4 | 19.30 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 1,845.31 | 5 | 1,514.25 | 5 | 1,183.19 | 5 | 855.70 | 5 | 548.89 | 5 | 265.39 | 5 | 16.71 | 5 | | 5 | | 5 | |
| 1/4 | 1,838.41 | 1/4 | 1,507.35 | 1/4 | 1,176.29 | 1/4 | 849.06 | 1/4 | 542.73 | 1/4 | 259.71 | 1/4 | 14.12 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,831.51 | 1/2 | 1,500.45 | 1/2 | 1,169.39 | 1/2 | 842.47 | 1/2 | 536.61 | 1/2 | 254.08 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,824.62 | 3/4 | 1,493.56 | 3/4 | 1,162.50 | 3/4 | 835.87 | 3/4 | 530.49 | 3/4 | 248.46 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 1,817.72 | 6 | 1,486.66 | 6 | 1,155.60 | 6 | 829.28 | 6 | 524.37 | 6 | 242.83 | 6 | 6 | 6 | | 6 | | 6 | |
| 1/4 | 1,810.82 | 1/4 | 1,479.76 | 1/4 | 1,148.70 | 1/4 | 822.68 | 1/4 | 518.25 | 1/4 | 237.20 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,803.93 | 1/2 | 1,472.87 | 1/2 | 1,141.80 | 1/2 | 816.12 | 1/2 | 512.17 | 1/2 | 231.61 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,797.03 | 3/4 | 1,465.97 | 3/4 | 1,134.91 | 3/4 | 809.57 | 3/4 | 506.09 | 3/4 | 226.02 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 1,790.13 | 7 | 1,459.07 | 7 | 1,128.01 | 7 | 803.01 | 7 | 500.00 | 7 | 220.42 | 7 | 7 | 7 | | 7 | | 7 | |
| 1/4 | 1,783.23 | 1/4 | 1,452.17 | 1/4 | 1,121.11 | 1/4 | 796.46 | 1/4 | 493.92 | 1/4 | 214.83 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,776.34 | 1/2 | 1,445.28 | 1/2 | 1,114.22 | 1/2 | 789.94 | 1/2 | 487.89 | 1/2 | 209.29 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,769.44 | 3/4 | 1,438.38 | 3/4 | 1,107.32 | 3/4 | 783.43 | 3/4 | 481.85 | 3/4 | 203.74 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 1,762.54 | 8 | 1,431.48 | 8 | 1,100.42 | 8 | 776.91 | 8 | 475.81 | 8 | 198.19 | 8 | 8 | 8 | | 8 | | 8 | |
| 1/4 | 1,755.65 | 1/4 | 1,424.59 | 1/4 | 1,093.52 | 1/4 | 770.40 | 1/4 | 469.77 | 1/4 | 192.65 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,748.75 | 1/2 | 1,417.69 | 1/2 | 1,086.63 | 1/2 | 763.92 | 1/2 | 463.77 | 1/2 | 187.14 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,741.85 | 3/4 | 1,410.79 | 3/4 | 1,079.73 | 3/4 | 757.45 | 3/4 | 457.77 | 3/4 | 181.63 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 1,734.96 | 9 | 1,403.89 | 9 | 1,072.84 | 9 | 750.98 | 9 | 451.77 | 9 | 176.12 | 9 | 9 | 9 | | 9 | | 9 | |
| 1/4 | 1,728.06 | 1/4 | 1,397.00 | 1/4 | 1,065.94 | 1/4 | 744.50 | 1/4 | 445.77 | 1/4 | 170.61 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,721.16 | 1/2 | 1,390.10 | 1/2 | 1,059.05 | 1/2 | 738.05 | 1/2 | 439.82 | 1/2 | 165.14 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,714.26 | 3/4 | 1,383.20 | 3/4 | 1,052.17 | 3/4 | 731.61 | 3/4 | 433.86 | 3/4 | 159.68 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 1,707.37 | 10 | 1,376.31 | 10 | 1,045.28 | 10 | 725.16 | 10 | 427.90 | 10 | 154.21 | 10 | 10 | 10 | | 10 | | 10 | |
| 1/4 | 1,700.47 | 1/4 | 1,369.41 | 1/4 | 1,038.39 | 1/4 | 718.71 | 1/4 | 421.95 | 1/4 | 148.75 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,693.57 | 1/2 | 1,362.51 | 1/2 | 1,031.52 | 1/2 | 712.30 | 1/2 | 416.03 | 1/2 | 143.32 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,686.68 | 3/4 | 1,355.61 | 3/4 | 1,024.64 | 3/4 | 705.89 | 3/4 | 410.11 | 3/4 | 137.89 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 1,679.78 | 11 | 1,348.72 | 11 | 1,017.77 | 11 | 699.49 | 11 | 404.19 | 11 | 132.46 | 11 | 11 | 11 | | 11 | | 11 | |
| 1/4 | 1,672.88 | 1/4 | 1,341.82 | 1/4 | 1,010.90 | 1/4 | 693.08 | 1/4 | 398.28 | 1/4 | 127.03 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,665.98 | 1/2 | 1,334.92 | 1/2 | 1,004.05 | 1/2 | 686.71 | 1/2 | 392.40 | 1/2 | 121.65 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,659.09 | 3/4 | 1,328.03 | 3/4 | 997.20 | 3/4 | 680.34 | 3/4 | 386.53 | 3/4 | 116.27 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/20/2007 CL - SW
CALCULATED: 03/25/2007 CL
PRINTED: 03/25/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2007

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 28051"

1 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 1/4"

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | |
|-------|-----|-------|-----|-------|-----|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | |
| 0 | | 0 | | 0 | | 0 | 4,208.69 | 0 | 3,920.67 | 0 | 3,618.46 | 0 | 3,302.31 | 0 | 2,973.77 | 0 | 2,642.86 | 0 | 2,311.93 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,202.80 | 1/4 | 3,914.54 | 1/4 | 3,612.02 | 1/4 | 3,295.59 | 1/4 | 2,966.88 | 1/4 | 2,635.97 | 1/4 | 2,305.03 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,196.90 | 1/2 | 3,908.40 | 1/2 | 3,605.56 | 1/2 | 3,288.84 | 1/2 | 2,959.98 | 1/2 | 2,629.08 | 1/2 | 2,298.14 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,191.00 | 3/4 | 3,902.25 | 3/4 | 3,599.09 | 3/4 | 3,282.10 | 3/4 | 2,953.09 | 3/4 | 2,622.18 | 3/4 | 2,291.24 |
| 1 | | 1 | | 1 | | 1 | 4,185.10 | 1 | 3,896.11 | 1 | 3,592.63 | 1 | 3,275.36 | 1 | 2,946.19 | 1 | 2,615.29 | 1 | 2,284.35 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,179.20 | 1/4 | 3,889.96 | 1/4 | 3,586.16 | 1/4 | 3,268.61 | 1/4 | 2,939.30 | 1/4 | 2,608.39 | 1/4 | 2,277.45 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,173.27 | 1/2 | 3,883.79 | 1/2 | 3,579.68 | 1/2 | 3,261.84 | 1/2 | 2,932.41 | 1/2 | 2,601.50 | 1/2 | 2,270.56 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,167.35 | 3/4 | 3,877.61 | 3/4 | 3,573.19 | 3/4 | 3,255.07 | 3/4 | 2,925.51 | 3/4 | 2,594.61 | 3/4 | 2,263.66 |
| 2 | | 2 | | 2 | | 2 | 4,161.42 | 2 | 3,871.44 | 2 | 3,566.70 | 2 | 3,248.29 | 2 | 2,918.62 | 2 | 2,587.71 | 2 | 2,256.77 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,155.50 | 1/4 | 3,865.27 | 1/4 | 3,560.22 | 1/4 | 3,241.52 | 1/4 | 2,911.73 | 1/4 | 2,580.82 | 1/4 | 2,249.87 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,149.55 | 1/2 | 3,859.07 | 1/2 | 3,553.71 | 1/2 | 3,234.73 | 1/2 | 2,904.83 | 1/2 | 2,573.92 | 1/2 | 2,242.98 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,143.60 | 3/4 | 3,852.88 | 3/4 | 3,547.20 | 3/4 | 3,227.94 | 3/4 | 2,897.94 | 3/4 | 2,567.03 | 3/4 | 2,236.08 |
| 3 | | 3 | | 3 | | 3 | 4,137.65 | 3 | 3,846.68 | 3 | 3,540.69 | 3 | 3,221.14 | 3 | 2,891.04 | 3 | 2,560.14 | 3 | 2,229.19 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,131.70 | 1/4 | 3,840.49 | 1/4 | 3,534.19 | 1/4 | 3,214.35 | 1/4 | 2,884.15 | 1/4 | 2,553.24 | 1/4 | 2,222.29 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,125.76 | 1/2 | 3,834.24 | 1/2 | 3,527.65 | 1/2 | 3,207.54 | 1/2 | 2,877.26 | 1/2 | 2,546.35 | 1/2 | 2,215.40 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,119.82 | 3/4 | 3,827.99 | 3/4 | 3,521.12 | 3/4 | 3,200.73 | 3/4 | 2,870.36 | 3/4 | 2,539.45 | 3/4 | 2,208.50 |
| 4 | | 4 | | 4 | | 4 | 4,113.88 | 4 | 3,821.74 | 4 | 3,514.58 | 4 | 3,193.91 | 4 | 2,863.47 | 4 | 2,532.56 | 4 | 2,201.60 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,107.95 | 1/4 | 3,815.49 | 1/4 | 3,508.05 | 1/4 | 3,187.10 | 1/4 | 2,856.57 | 1/4 | 2,525.67 | 1/4 | 2,194.71 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,101.99 | 1/2 | 3,809.21 | 1/2 | 3,501.49 | 1/2 | 3,180.26 | 1/2 | 2,849.68 | 1/2 | 2,518.77 | 1/2 | 2,187.81 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,096.03 | 3/4 | 3,802.93 | 3/4 | 3,494.94 | 3/4 | 3,173.41 | 3/4 | 2,842.79 | 3/4 | 2,511.88 | 3/4 | 2,180.92 |
| 5 | | 5 | | 5 | | 5 | 4,090.07 | 5 | 3,796.66 | 5 | 3,488.38 | 5 | 3,166.57 | 5 | 2,835.89 | 5 | 2,504.99 | 5 | 2,174.02 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,084.11 | 1/4 | 3,790.38 | 1/4 | 3,481.83 | 1/4 | 3,159.73 | 1/4 | 2,829.00 | 1/4 | 2,498.09 | 1/4 | 2,167.13 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,078.12 | 1/2 | 3,784.08 | 1/2 | 3,475.24 | 1/2 | 3,152.87 | 1/2 | 2,822.10 | 1/2 | 2,491.20 | 1/2 | 2,160.23 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,072.13 | 3/4 | 3,777.79 | 3/4 | 3,468.66 | 3/4 | 3,146.01 | 3/4 | 2,815.21 | 3/4 | 2,484.30 | 3/4 | 2,153.34 |
| 6 | | 6 | | 6 | | 6 | 4,066.15 | 6 | 3,771.49 | 6 | 3,462.07 | 6 | 3,139.14 | 6 | 2,808.32 | 6 | 2,477.41 | 6 | 2,146.44 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,060.16 | 1/4 | 3,765.19 | 1/4 | 3,455.49 | 1/4 | 3,132.28 | 1/4 | 2,801.42 | 1/4 | 2,470.52 | 1/4 | 2,139.55 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,054.15 | 1/2 | 3,758.86 | 1/2 | 3,448.88 | 1/2 | 3,125.40 | 1/2 | 2,794.53 | 1/2 | 2,463.62 | 1/2 | 2,132.65 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,347.00 | 3/4 | 4,048.15 | 3/4 | 3,752.53 | 3/4 | 3,442.28 | 3/4 | 3,118.52 | 3/4 | 2,787.64 | 3/4 | 2,456.73 |
| 7 | | 7 | | 7 | | 7 | 4,341.83 | 7 | 4,042.14 | 7 | 3,746.21 | 7 | 3,435.68 | 7 | 3,111.64 | 7 | 2,780.74 | 7 | 2,449.83 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,336.66 | 1/4 | 4,036.13 | 1/4 | 3,739.88 | 1/4 | 3,429.07 | 1/4 | 3,104.75 | 1/4 | 2,773.85 | 1/4 | 2,442.94 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,329.76 | 1/2 | 4,030.09 | 1/2 | 3,733.53 | 1/2 | 3,422.45 | 1/2 | 3,097.86 | 1/2 | 2,766.95 | 1/2 | 2,436.04 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,322.87 | 3/4 | 4,024.06 | 3/4 | 3,727.19 | 3/4 | 3,415.82 | 3/4 | 3,090.97 | 3/4 | 2,760.06 | 3/4 | 2,429.15 |
| 8 | | 8 | | 8 | | 8 | 4,315.97 | 8 | 4,018.02 | 8 | 3,720.84 | 8 | 3,409.19 | 8 | 3,084.07 | 8 | 2,753.17 | 8 | 2,422.25 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,309.08 | 1/4 | 4,011.99 | 1/4 | 3,714.49 | 1/4 | 3,402.57 | 1/4 | 3,077.18 | 1/4 | 2,746.27 | 1/4 | 2,415.36 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,302.18 | 1/2 | 4,005.93 | 1/2 | 3,708.13 | 1/2 | 3,395.92 | 1/2 | 3,070.29 | 1/2 | 2,739.38 | 1/2 | 2,408.46 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,295.29 | 3/4 | 3,999.88 | 3/4 | 3,701.76 | 3/4 | 3,389.26 | 3/4 | 3,063.39 | 3/4 | 2,732.48 | 3/4 | 2,401.57 |
| 9 | | 9 | | 9 | | 9 | 4,288.39 | 9 | 3,993.82 | 9 | 3,695.39 | 9 | 3,382.61 | 9 | 3,056.50 | 9 | 2,725.59 | 9 | 2,394.67 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,281.50 | 1/4 | 3,987.77 | 1/4 | 3,689.02 | 1/4 | 3,375.95 | 1/4 | 3,049.60 | 1/4 | 2,718.70 | 1/4 | 2,387.78 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,274.60 | 1/2 | 3,981.69 | 1/2 | 3,682.63 | 1/2 | 3,369.28 | 1/2 | 3,042.71 | 1/2 | 2,711.80 | 1/2 | 2,380.88 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,267.70 | 3/4 | 3,975.61 | 3/4 | 3,676.23 | 3/4 | 3,362.61 | 3/4 | 3,035.82 | 3/4 | 2,704.91 | 3/4 | 2,373.99 |
| 10 | | 10 | | 10 | | 10 | 4,260.81 | 10 | 3,969.54 | 10 | 3,669.83 | 10 | 3,355.93 | 10 | 3,028.92 | 10 | 2,698.01 | 10 | 2,367.09 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,253.91 | 1/4 | 3,963.46 | 1/4 | 3,663.44 | 1/4 | 3,349.26 | 1/4 | 3,022.03 | 1/4 | 2,691.12 | 1/4 | 2,360.20 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,247.02 | 1/2 | 3,957.36 | 1/2 | 3,657.02 | 1/2 | 3,342.56 | 1/2 | 3,015.13 | 1/2 | 2,684.23 | 1/2 | 2,353.30 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,240.12 | 3/4 | 3,951.25 | 3/4 | 3,650.60 | 3/4 | 3,335.87 | 3/4 | 3,008.24 | 3/4 | 2,677.33 | 3/4 | 2,346.41 |
| 11 | | 11 | | 11 | | 11 | 4,233.23 | 11 | 3,945.15 | 11 | 3,644.19 | 11 | 3,329.17 | 11 | 3,001.35 | 11 | 2,670.44 | 11 | 2,339.51 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,226.33 | 1/4 | 3,939.04 | 1/4 | 3,637.77 | 1/4 | 3,322.48 | 1/4 | 2,994.45 | 1/4 | 2,663.55 | 1/4 | 2,332.62 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,220.45 | 1/2 | 3,932.92 | 1/2 | 3,631.33 | 1/2 | 3,315.76 | 1/2 | 2,987.56 | 1/2 | 2,656.65 | 1/2 | 2,325.72 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,214.57 | 3/4 | 3,926.79 | 3/4 | 3,624.90 | 3/4 | 3,309.03 | 3/4 | 2,980.66 | 3/4 | 2,649.76 | 3/4 | 2,318.82 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 37'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28051"

1 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 1/4"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 1,980.96 | 0 | 1,649.98 | 0 | 1,319.01 | 0 | 988.41 | 0 | 673.79 | 0 | 380.54 | 0 | 110.86 | 0 | | 0 | | 0 | |
| 1/4 | 1,974.06 | 1/4 | 1,643.09 | 1/4 | 1,312.11 | 1/4 | 981.59 | 1/4 | 667.42 | 1/4 | 374.67 | 1/4 | 105.48 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,967.16 | 1/2 | 1,636.19 | 1/2 | 1,305.22 | 1/2 | 974.81 | 1/2 | 661.10 | 1/2 | 368.84 | 1/2 | 100.14 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,960.27 | 3/4 | 1,629.29 | 3/4 | 1,298.32 | 3/4 | 968.03 | 3/4 | 654.77 | 3/4 | 363.00 | 3/4 | 94.79 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 1,953.37 | 1 | 1,622.40 | 1 | 1,291.43 | 1 | 961.26 | 1 | 648.45 | 1 | 357.17 | 1 | 89.45 | 1 | | 1 | | 1 | |
| 1/4 | 1,946.48 | 1/4 | 1,615.50 | 1/4 | 1,284.53 | 1/4 | 954.48 | 1/4 | 642.12 | 1/4 | 351.33 | 1/4 | 84.11 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,939.58 | 1/2 | 1,608.61 | 1/2 | 1,277.63 | 1/2 | 947.76 | 1/2 | 635.84 | 1/2 | 345.54 | 1/2 | 78.81 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,932.69 | 3/4 | 1,601.71 | 3/4 | 1,270.74 | 3/4 | 941.04 | 3/4 | 629.56 | 3/4 | 339.75 | 3/4 | 73.52 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 1,925.79 | 2 | 1,594.82 | 2 | 1,263.84 | 2 | 934.32 | 2 | 623.28 | 2 | 333.96 | 2 | 68.22 | 2 | | 2 | | 2 | |
| 1/4 | 1,918.90 | 1/4 | 1,587.92 | 1/4 | 1,256.95 | 1/4 | 927.60 | 1/4 | 616.99 | 1/4 | 328.17 | 1/4 | 62.92 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,912.00 | 1/2 | 1,581.03 | 1/2 | 1,250.05 | 1/2 | 920.92 | 1/2 | 610.75 | 1/2 | 322.42 | 1/2 | 57.66 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,905.11 | 3/4 | 1,574.13 | 3/4 | 1,243.16 | 3/4 | 914.24 | 3/4 | 604.51 | 3/4 | 316.66 | 3/4 | 52.40 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 1,898.21 | 3 | 1,567.24 | 3 | 1,236.26 | 3 | 907.56 | 3 | 598.27 | 3 | 310.91 | 3 | 47.14 | 3 | | 3 | | 3 | |
| 1/4 | 1,891.32 | 1/4 | 1,560.34 | 1/4 | 1,229.37 | 1/4 | 900.89 | 1/4 | 592.02 | 1/4 | 305.16 | 1/4 | 41.88 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,884.42 | 1/2 | 1,553.45 | 1/2 | 1,222.47 | 1/2 | 894.25 | 1/2 | 585.82 | 1/2 | 299.45 | 1/2 | 37.53 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,877.53 | 3/4 | 1,546.55 | 3/4 | 1,215.58 | 3/4 | 887.61 | 3/4 | 579.62 | 3/4 | 293.74 | 3/4 | 33.18 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 1,870.63 | 4 | 1,539.66 | 4 | 1,208.68 | 4 | 880.97 | 4 | 573.42 | 4 | 288.03 | 4 | 28.83 | 4 | | 4 | | 4 | |
| 1/4 | 1,863.73 | 1/4 | 1,532.76 | 1/4 | 1,201.79 | 1/4 | 874.34 | 1/4 | 567.22 | 1/4 | 282.32 | 1/4 | 24.47 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,856.84 | 1/2 | 1,525.87 | 1/2 | 1,194.89 | 1/2 | 867.74 | 1/2 | 561.06 | 1/2 | 276.65 | 1/2 | 21.88 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,849.94 | 3/4 | 1,518.97 | 3/4 | 1,188.00 | 3/4 | 861.14 | 3/4 | 554.90 | 3/4 | 270.98 | 3/4 | 19.29 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 1,843.05 | 5 | 1,512.07 | 5 | 1,181.10 | 5 | 854.54 | 5 | 548.74 | 5 | 265.31 | 5 | 16.70 | 5 | | 5 | | 5 | |
| 1/4 | 1,836.15 | 1/4 | 1,505.18 | 1/4 | 1,174.21 | 1/4 | 847.95 | 1/4 | 542.58 | 1/4 | 259.64 | 1/4 | 14.11 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,829.26 | 1/2 | 1,498.28 | 1/2 | 1,167.31 | 1/2 | 841.39 | 1/2 | 536.46 | 1/2 | 254.01 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,822.36 | 3/4 | 1,491.39 | 3/4 | 1,160.41 | 3/4 | 834.84 | 3/4 | 530.34 | 3/4 | 248.39 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 1,815.47 | 6 | 1,484.49 | 6 | 1,153.52 | 6 | 828.28 | 6 | 524.22 | 6 | 242.76 | 6 | 6 | 6 | | 6 | | 6 | |
| 1/4 | 1,808.57 | 1/4 | 1,477.60 | 1/4 | 1,146.62 | 1/4 | 821.73 | 1/4 | 518.10 | 1/4 | 237.13 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,801.68 | 1/2 | 1,470.70 | 1/2 | 1,139.73 | 1/2 | 815.21 | 1/2 | 512.02 | 1/2 | 231.54 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,794.78 | 3/4 | 1,463.81 | 3/4 | 1,132.83 | 3/4 | 808.69 | 3/4 | 505.94 | 3/4 | 225.95 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 1,787.89 | 7 | 1,456.91 | 7 | 1,125.94 | 7 | 802.18 | 7 | 499.86 | 7 | 220.36 | 7 | 7 | 7 | | 7 | | 7 | |
| 1/4 | 1,780.99 | 1/4 | 1,450.02 | 1/4 | 1,119.04 | 1/4 | 795.66 | 1/4 | 493.78 | 1/4 | 214.77 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,774.10 | 1/2 | 1,443.12 | 1/2 | 1,112.15 | 1/2 | 789.19 | 1/2 | 487.75 | 1/2 | 209.23 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,767.20 | 3/4 | 1,436.23 | 3/4 | 1,105.25 | 3/4 | 782.71 | 3/4 | 481.71 | 3/4 | 203.68 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 1,760.31 | 8 | 1,429.33 | 8 | 1,098.36 | 8 | 776.24 | 8 | 475.67 | 8 | 198.14 | 8 | 8 | 8 | | 8 | | 8 | |
| 1/4 | 1,753.41 | 1/4 | 1,422.44 | 1/4 | 1,091.46 | 1/4 | 769.77 | 1/4 | 469.64 | 1/4 | 192.59 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,746.51 | 1/2 | 1,415.54 | 1/2 | 1,084.57 | 1/2 | 763.33 | 1/2 | 463.64 | 1/2 | 187.08 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,739.62 | 3/4 | 1,408.65 | 3/4 | 1,077.67 | 3/4 | 756.90 | 3/4 | 457.64 | 3/4 | 181.58 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 1,732.72 | 9 | 1,401.75 | 9 | 1,070.78 | 9 | 750.46 | 9 | 451.64 | 9 | 176.07 | 9 | 9 | 9 | | 9 | | 9 | |
| 1/4 | 1,725.83 | 1/4 | 1,394.85 | 1/4 | 1,063.89 | 1/4 | 744.03 | 1/4 | 445.65 | 1/4 | 170.56 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,718.93 | 1/2 | 1,387.96 | 1/2 | 1,057.00 | 1/2 | 737.62 | 1/2 | 439.69 | 1/2 | 165.10 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,712.04 | 3/4 | 1,381.06 | 3/4 | 1,050.11 | 3/4 | 731.21 | 3/4 | 433.74 | 3/4 | 159.63 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 1,705.14 | 10 | 1,374.17 | 10 | 1,043.23 | 10 | 724.80 | 10 | 427.78 | 10 | 154.17 | 10 | 10 | 10 | | 10 | | 10 | |
| 1/4 | 1,698.25 | 1/4 | 1,367.27 | 1/4 | 1,036.34 | 1/4 | 718.39 | 1/4 | 421.83 | 1/4 | 148.71 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,691.35 | 1/2 | 1,360.38 | 1/2 | 1,029.47 | 1/2 | 712.01 | 1/2 | 415.91 | 1/2 | 143.28 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,684.46 | 3/4 | 1,353.48 | 3/4 | 1,022.60 | 3/4 | 705.63 | 3/4 | 409.99 | 3/4 | 137.85 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 1,677.56 | 11 | 1,346.59 | 11 | 1,015.73 | 11 | 699.26 | 11 | 404.08 | 11 | 132.43 | 11 | 11 | 11 | | 11 | | 11 | |
| 1/4 | 1,670.67 | 1/4 | 1,339.69 | 1/4 | 1,008.86 | 1/4 | 692.88 | 1/4 | 398.16 | 1/4 | 127.00 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,663.77 | 1/2 | 1,332.80 | 1/2 | 1,002.04 | 1/2 | 686.52 | 1/2 | 392.29 | 1/2 | 121.62 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,656.88 | 3/4 | 1,325.90 | 3/4 | 995.22 | 3/4 | 680.15 | 3/4 | 386.42 | 3/4 | 116.24 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/20/2007 CL - SW
CALCULATED: 03/25/2007 CL
PRINTED: 03/25/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2007

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 28051"

2 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 1/4"

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | |
|-------|-----|-------|-----|-------|-----|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | |
| 0 | | 0 | | 0 | | 0 | 5,105.35 | 0 | 4,768.86 | 0 | 4,415.08 | 0 | 4,044.56 | 0 | 3,659.51 | 0 | 3,271.69 | 0 | 2,883.82 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,098.45 | 1/4 | 4,761.71 | 1/4 | 4,407.54 | 1/4 | 4,036.69 | 1/4 | 3,651.43 | 1/4 | 3,263.61 | 1/4 | 2,875.74 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,091.53 | 1/2 | 4,754.54 | 1/2 | 4,399.96 | 1/2 | 4,028.78 | 1/2 | 3,643.35 | 1/2 | 3,255.53 | 1/2 | 2,867.65 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,084.62 | 3/4 | 4,747.37 | 3/4 | 4,392.39 | 3/4 | 4,020.88 | 3/4 | 3,635.27 | 3/4 | 3,247.45 | 3/4 | 2,859.57 |
| 1 | | 1 | | 1 | | 1 | 5,077.70 | 1 | 4,740.20 | 1 | 4,384.81 | 1 | 4,012.98 | 1 | 3,627.19 | 1 | 3,239.37 | 1 | 2,851.49 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,070.78 | 1/4 | 4,733.03 | 1/4 | 4,377.23 | 1/4 | 4,005.07 | 1/4 | 3,619.11 | 1/4 | 3,231.29 | 1/4 | 2,843.41 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,063.84 | 1/2 | 4,725.82 | 1/2 | 4,369.63 | 1/2 | 3,997.13 | 1/2 | 3,611.03 | 1/2 | 3,223.21 | 1/2 | 2,835.33 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,056.89 | 3/4 | 4,718.62 | 3/4 | 4,362.03 | 3/4 | 3,989.19 | 3/4 | 3,602.95 | 3/4 | 3,215.13 | 3/4 | 2,827.24 |
| 2 | | 2 | | 2 | | 2 | 5,049.95 | 2 | 4,711.42 | 2 | 4,354.43 | 2 | 3,981.26 | 2 | 3,594.87 | 2 | 3,207.05 | 2 | 2,819.16 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,043.00 | 1/4 | 4,704.21 | 1/4 | 4,346.83 | 1/4 | 3,973.32 | 1/4 | 3,586.79 | 1/4 | 3,198.97 | 1/4 | 2,811.08 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,036.03 | 1/2 | 4,696.98 | 1/2 | 4,339.20 | 1/2 | 3,965.36 | 1/2 | 3,578.71 | 1/2 | 3,190.89 | 1/2 | 2,803.00 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,029.05 | 3/4 | 4,689.75 | 3/4 | 4,331.57 | 3/4 | 3,957.40 | 3/4 | 3,570.63 | 3/4 | 3,182.81 | 3/4 | 2,794.92 |
| 3 | | 3 | | 3 | | 3 | 5,022.08 | 3 | 4,682.53 | 3 | 4,323.95 | 3 | 3,949.44 | 3 | 3,562.56 | 3 | 3,174.73 | 3 | 2,786.83 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,015.10 | 1/4 | 4,675.30 | 1/4 | 4,316.32 | 1/4 | 3,941.48 | 1/4 | 3,554.48 | 1/4 | 3,166.65 | 1/4 | 2,778.75 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,008.17 | 1/2 | 4,667.97 | 1/2 | 4,308.66 | 1/2 | 3,933.49 | 1/2 | 3,546.40 | 1/2 | 3,158.58 | 1/2 | 2,770.67 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,001.25 | 3/4 | 4,660.65 | 3/4 | 4,301.00 | 3/4 | 3,925.51 | 3/4 | 3,538.32 | 3/4 | 3,150.50 | 3/4 | 2,762.59 |
| 4 | | 4 | | 4 | | 4 | 4,994.32 | 4 | 4,653.32 | 4 | 4,293.34 | 4 | 3,917.52 | 4 | 3,530.24 | 4 | 3,142.42 | 4 | 2,754.50 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,987.39 | 1/4 | 4,646.00 | 1/4 | 4,285.69 | 1/4 | 3,909.54 | 1/4 | 3,522.16 | 1/4 | 3,134.34 | 1/4 | 2,746.42 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,980.43 | 1/2 | 4,638.64 | 1/2 | 4,278.00 | 1/2 | 3,901.52 | 1/2 | 3,514.08 | 1/2 | 3,126.26 | 1/2 | 2,738.34 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,973.48 | 3/4 | 4,631.29 | 3/4 | 4,270.32 | 3/4 | 3,893.50 | 3/4 | 3,506.00 | 3/4 | 3,118.18 | 3/4 | 2,730.26 |
| 5 | | 5 | | 5 | | 5 | 4,966.52 | 5 | 4,623.93 | 5 | 4,262.64 | 5 | 3,885.48 | 5 | 3,497.92 | 5 | 3,110.10 | 5 | 2,722.18 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,959.57 | 1/4 | 4,616.57 | 1/4 | 4,254.95 | 1/4 | 3,877.46 | 1/4 | 3,489.84 | 1/4 | 3,102.02 | 1/4 | 2,714.09 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,952.58 | 1/2 | 4,609.19 | 1/2 | 4,247.24 | 1/2 | 3,869.42 | 1/2 | 3,481.76 | 1/2 | 3,093.94 | 1/2 | 2,706.01 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,945.60 | 3/4 | 4,601.81 | 3/4 | 4,239.52 | 3/4 | 3,861.38 | 3/4 | 3,473.68 | 3/4 | 3,085.86 | 3/4 | 2,697.93 |
| 6 | | 6 | | 6 | | 6 | 4,938.61 | 6 | 4,594.43 | 6 | 4,231.80 | 6 | 3,853.33 | 6 | 3,465.60 | 6 | 3,077.78 | 6 | 2,689.85 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,931.63 | 1/4 | 4,587.05 | 1/4 | 4,224.08 | 1/4 | 3,845.29 | 1/4 | 3,457.52 | 1/4 | 3,069.70 | 1/4 | 2,681.76 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,924.62 | 1/2 | 4,579.63 | 1/2 | 4,216.34 | 1/2 | 3,837.23 | 1/2 | 3,449.44 | 1/2 | 3,061.62 | 1/2 | 2,673.68 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,267.47 | 3/4 | 4,917.61 | 3/4 | 4,572.22 | 3/4 | 4,208.60 | 3/4 | 3,829.16 | 3/4 | 3,441.36 | 3/4 | 3,053.54 |
| 7 | | 7 | | 7 | | 7 | 4,910.60 | 7 | 4,564.80 | 7 | 4,200.87 | 7 | 3,821.09 | 7 | 3,433.28 | 7 | 3,045.46 | 7 | 2,657.52 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,255.35 | 1/4 | 4,903.58 | 1/4 | 4,557.39 | 1/4 | 4,193.13 | 1/4 | 3,813.02 | 1/4 | 3,425.20 | 1/4 | 3,037.38 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,247.26 | 1/2 | 4,896.54 | 1/2 | 4,549.95 | 1/2 | 4,185.36 | 1/2 | 3,804.94 | 1/2 | 3,417.12 | 1/2 | 3,029.30 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,239.18 | 3/4 | 4,889.50 | 3/4 | 4,542.51 | 3/4 | 4,177.60 | 3/4 | 3,796.86 | 3/4 | 3,409.04 | 3/4 | 3,021.22 |
| 8 | | 8 | | 8 | | 8 | 5,231.10 | 8 | 4,882.46 | 8 | 4,535.07 | 8 | 4,169.83 | 8 | 3,788.78 | 8 | 3,400.96 | 8 | 3,013.13 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,223.02 | 1/4 | 4,875.41 | 1/4 | 4,527.63 | 1/4 | 4,162.07 | 1/4 | 3,780.70 | 1/4 | 3,392.88 | 1/4 | 3,005.05 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,214.94 | 1/2 | 4,868.35 | 1/2 | 4,520.17 | 1/2 | 4,154.27 | 1/2 | 3,772.62 | 1/2 | 3,384.80 | 1/2 | 2,996.97 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,206.85 | 3/4 | 4,861.28 | 3/4 | 4,512.71 | 3/4 | 4,146.47 | 3/4 | 3,764.55 | 3/4 | 3,376.72 | 3/4 | 2,988.89 |
| 9 | | 9 | | 9 | | 9 | 5,198.77 | 9 | 4,854.22 | 9 | 4,505.24 | 9 | 4,138.67 | 9 | 3,756.47 | 9 | 3,368.64 | 9 | 2,980.81 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,190.69 | 1/4 | 4,847.16 | 1/4 | 4,497.78 | 1/4 | 4,130.87 | 1/4 | 3,748.39 | 1/4 | 3,360.57 | 1/4 | 2,972.72 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,182.61 | 1/2 | 4,840.06 | 1/2 | 4,490.29 | 1/2 | 4,123.05 | 1/2 | 3,740.31 | 1/2 | 3,352.49 | 1/2 | 2,964.64 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,174.52 | 3/4 | 4,832.97 | 3/4 | 4,482.79 | 3/4 | 4,115.23 | 3/4 | 3,732.23 | 3/4 | 3,344.41 | 3/4 | 2,956.56 |
| 10 | | 10 | | 10 | | 10 | 5,166.44 | 10 | 4,825.88 | 10 | 4,475.29 | 10 | 4,107.41 | 10 | 3,724.15 | 10 | 3,336.33 | 10 | 2,948.48 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,158.36 | 1/4 | 4,818.79 | 1/4 | 4,467.80 | 1/4 | 4,099.59 | 1/4 | 3,716.07 | 1/4 | 3,328.25 | 1/4 | 2,940.39 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,150.28 | 1/2 | 4,811.67 | 1/2 | 4,460.28 | 1/2 | 4,091.74 | 1/2 | 3,707.99 | 1/2 | 3,320.17 | 1/2 | 2,932.31 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,142.20 | 3/4 | 4,804.55 | 3/4 | 4,452.76 | 3/4 | 4,083.89 | 3/4 | 3,699.91 | 3/4 | 3,312.09 | 3/4 | 2,924.23 |
| 11 | | 11 | | 11 | | 11 | 5,134.11 | 11 | 4,797.42 | 11 | 4,445.24 | 11 | 4,076.05 | 11 | 3,691.83 | 11 | 3,304.01 | 11 | 2,916.15 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,126.03 | 1/4 | 4,790.30 | 1/4 | 4,437.72 | 1/4 | 4,068.20 | 1/4 | 3,683.75 | 1/4 | 3,295.93 | 1/4 | 2,908.07 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,119.14 | 1/2 | 4,783.15 | 1/2 | 4,430.17 | 1/2 | 4,060.32 | 1/2 | 3,675.67 | 1/2 | 3,287.85 | 1/2 | 2,899.98 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,112.24 | 3/4 | 4,776.01 | 3/4 | 4,422.63 | 3/4 | 4,052.44 | 3/4 | 3,667.59 | 3/4 | 3,279.77 | 3/4 | 2,891.90 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28051"

2 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 1/4"

| 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | | 16 FT. | | 17 FT. | | 18 FT. | | 19 FT. | |
|--------|----------|--------|----------|--------|----------|--------|----------|--------|--------|--------|--------|--------|--------|--------|--|--------|--|--------|--|
| IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | |
| 0 | 2,495.87 | 0 | 2,107.93 | 0 | 1,719.98 | 0 | 1,332.04 | 0 | 944.09 | 0 | 557.01 | 0 | 169.48 | 0 | | 0 | | 0 | |
| 1/4 | 2,487.79 | 1/4 | 2,099.85 | 1/4 | 1,711.90 | 1/4 | 1,323.95 | 1/4 | 936.01 | 1/4 | 548.93 | 1/4 | 161.40 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,479.71 | 1/2 | 2,091.76 | 1/2 | 1,703.82 | 1/2 | 1,315.87 | 1/2 | 927.93 | 1/2 | 540.86 | 1/2 | 153.33 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,471.63 | 3/4 | 2,083.68 | 3/4 | 1,695.74 | 3/4 | 1,307.79 | 3/4 | 919.84 | 3/4 | 532.78 | 3/4 | 145.26 | 3/4 | | 3/4 | | 3/4 | |
| 1 | 2,463.54 | 1 | 2,075.60 | 1 | 1,687.65 | 1 | 1,299.71 | 1 | 911.76 | 1 | 524.71 | 1 | 137.18 | 1 | | 1 | | 1 | |
| 1/4 | 2,455.46 | 1/4 | 2,067.52 | 1/4 | 1,679.57 | 1/4 | 1,291.63 | 1/4 | 903.68 | 1/4 | 516.64 | 1/4 | 129.11 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,447.38 | 1/2 | 2,059.43 | 1/2 | 1,671.49 | 1/2 | 1,283.54 | 1/2 | 895.61 | 1/2 | 508.56 | 1/2 | 121.04 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,439.30 | 3/4 | 2,051.35 | 3/4 | 1,663.41 | 3/4 | 1,275.46 | 3/4 | 887.54 | 3/4 | 500.49 | 3/4 | 112.96 | 3/4 | | 3/4 | | 3/4 | |
| 2 | 2,431.22 | 2 | 2,043.27 | 2 | 1,655.32 | 2 | 1,267.38 | 2 | 879.47 | 2 | 492.42 | 2 | 104.89 | 2 | | 2 | | 2 | |
| 1/4 | 2,423.13 | 1/4 | 2,035.19 | 1/4 | 1,647.24 | 1/4 | 1,259.30 | 1/4 | 871.40 | 1/4 | 484.34 | 1/4 | 96.82 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,415.05 | 1/2 | 2,027.11 | 1/2 | 1,639.16 | 1/2 | 1,251.21 | 1/2 | 863.34 | 1/2 | 476.27 | 1/2 | 88.74 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,406.97 | 3/4 | 2,019.02 | 3/4 | 1,631.08 | 3/4 | 1,243.13 | 3/4 | 855.28 | 3/4 | 468.20 | 3/4 | 80.67 | 3/4 | | 3/4 | | 3/4 | |
| 3 | 2,398.89 | 3 | 2,010.94 | 3 | 1,623.00 | 3 | 1,235.05 | 3 | 847.23 | 3 | 460.12 | 3 | 72.60 | 3 | | 3 | | 3 | |
| 1/4 | 2,390.81 | 1/4 | 2,002.86 | 1/4 | 1,614.91 | 1/4 | 1,226.97 | 1/4 | 839.17 | 1/4 | 452.05 | 1/4 | 64.52 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,382.72 | 1/2 | 1,994.78 | 1/2 | 1,606.83 | 1/2 | 1,218.89 | 1/2 | 831.11 | 1/2 | 443.98 | 1/2 | 57.46 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,374.64 | 3/4 | 1,986.70 | 3/4 | 1,598.75 | 3/4 | 1,210.80 | 3/4 | 823.05 | 3/4 | 435.90 | 3/4 | 50.39 | 3/4 | | 3/4 | | 3/4 | |
| 4 | 2,366.56 | 4 | 1,978.61 | 4 | 1,590.67 | 4 | 1,202.72 | 4 | 815.00 | 4 | 427.83 | 4 | 43.33 | 4 | | 4 | | 4 | |
| 1/4 | 2,358.48 | 1/4 | 1,970.53 | 1/4 | 1,582.59 | 1/4 | 1,194.64 | 1/4 | 806.94 | 1/4 | 419.76 | 1/4 | 36.27 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,350.39 | 1/2 | 1,962.45 | 1/2 | 1,574.50 | 1/2 | 1,186.56 | 1/2 | 798.88 | 1/2 | 411.68 | 1/2 | 31.22 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,342.31 | 3/4 | 1,954.37 | 3/4 | 1,566.42 | 3/4 | 1,178.48 | 3/4 | 790.82 | 3/4 | 403.61 | 3/4 | 26.18 | 3/4 | | 3/4 | | 3/4 | |
| 5 | 2,334.23 | 5 | 1,946.28 | 5 | 1,558.34 | 5 | 1,170.39 | 5 | 782.76 | 5 | 395.54 | 5 | 21.14 | 5 | | 5 | | 5 | |
| 1/4 | 2,326.15 | 1/4 | 1,938.20 | 1/4 | 1,550.26 | 1/4 | 1,162.31 | 1/4 | 774.71 | 1/4 | 387.46 | 1/4 | 16.09 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,318.07 | 1/2 | 1,930.12 | 1/2 | 1,542.17 | 1/2 | 1,154.23 | 1/2 | 766.65 | 1/2 | 379.39 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,309.98 | 3/4 | 1,922.04 | 3/4 | 1,534.09 | 3/4 | 1,146.15 | 3/4 | 758.59 | 3/4 | 371.31 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 2,301.90 | 6 | 1,913.96 | 6 | 1,526.01 | 6 | 1,138.06 | 6 | 750.53 | 6 | 363.24 | 6 | 6 | 6 | | 6 | | 6 | |
| 1/4 | 2,293.82 | 1/4 | 1,905.87 | 1/4 | 1,517.93 | 1/4 | 1,129.98 | 1/4 | 742.48 | 1/4 | 355.17 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,285.74 | 1/2 | 1,897.79 | 1/2 | 1,509.85 | 1/2 | 1,121.90 | 1/2 | 734.42 | 1/2 | 347.09 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,277.65 | 3/4 | 1,889.71 | 3/4 | 1,501.76 | 3/4 | 1,113.82 | 3/4 | 726.36 | 3/4 | 339.02 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 2,269.57 | 7 | 1,881.63 | 7 | 1,493.68 | 7 | 1,105.74 | 7 | 718.30 | 7 | 330.95 | 7 | 7 | 7 | | 7 | | 7 | |
| 1/4 | 2,261.49 | 1/4 | 1,873.54 | 1/4 | 1,485.60 | 1/4 | 1,097.65 | 1/4 | 710.25 | 1/4 | 322.87 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,253.41 | 1/2 | 1,865.46 | 1/2 | 1,477.52 | 1/2 | 1,089.57 | 1/2 | 702.19 | 1/2 | 314.80 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,245.33 | 3/4 | 1,857.38 | 3/4 | 1,469.43 | 3/4 | 1,081.49 | 3/4 | 694.13 | 3/4 | 306.73 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 2,237.24 | 8 | 1,849.30 | 8 | 1,461.35 | 8 | 1,073.41 | 8 | 686.07 | 8 | 298.65 | 8 | 8 | 8 | | 8 | | 8 | |
| 1/4 | 2,229.16 | 1/4 | 1,841.22 | 1/4 | 1,453.27 | 1/4 | 1,065.32 | 1/4 | 678.01 | 1/4 | 290.58 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,221.08 | 1/2 | 1,833.13 | 1/2 | 1,445.19 | 1/2 | 1,057.24 | 1/2 | 669.96 | 1/2 | 282.51 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,213.00 | 3/4 | 1,825.05 | 3/4 | 1,437.11 | 3/4 | 1,049.16 | 3/4 | 661.90 | 3/4 | 274.43 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 2,204.91 | 9 | 1,816.97 | 9 | 1,429.02 | 9 | 1,041.08 | 9 | 653.84 | 9 | 266.36 | 9 | 9 | 9 | | 9 | | 9 | |
| 1/4 | 2,196.83 | 1/4 | 1,808.89 | 1/4 | 1,420.94 | 1/4 | 1,033.00 | 1/4 | 645.78 | 1/4 | 258.29 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,188.75 | 1/2 | 1,800.80 | 1/2 | 1,412.86 | 1/2 | 1,024.91 | 1/2 | 637.72 | 1/2 | 250.21 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,180.67 | 3/4 | 1,792.72 | 3/4 | 1,404.78 | 3/4 | 1,016.83 | 3/4 | 629.65 | 3/4 | 242.14 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 2,172.59 | 10 | 1,784.64 | 10 | 1,396.69 | 10 | 1,008.75 | 10 | 621.59 | 10 | 234.07 | 10 | 10 | 10 | | 10 | | 10 | |
| 1/4 | 2,164.50 | 1/4 | 1,776.56 | 1/4 | 1,388.61 | 1/4 | 1,000.67 | 1/4 | 613.52 | 1/4 | 225.99 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,156.42 | 1/2 | 1,768.48 | 1/2 | 1,380.53 | 1/2 | 992.58 | 1/2 | 605.45 | 1/2 | 217.92 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,148.34 | 3/4 | 1,760.39 | 3/4 | 1,372.45 | 3/4 | 984.50 | 3/4 | 597.37 | 3/4 | 209.84 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 2,140.26 | 11 | 1,752.31 | 11 | 1,364.37 | 11 | 976.42 | 11 | 589.30 | 11 | 201.77 | 11 | 11 | 11 | | 11 | | 11 | |
| 1/4 | 2,132.17 | 1/4 | 1,744.23 | 1/4 | 1,356.28 | 1/4 | 968.34 | 1/4 | 581.23 | 1/4 | 193.70 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,124.09 | 1/2 | 1,736.15 | 1/2 | 1,348.20 | 1/2 | 960.26 | 1/2 | 573.15 | 1/2 | 185.62 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,116.01 | 3/4 | 1,728.06 | 3/4 | 1,340.12 | 3/4 | 952.17 | 3/4 | 565.08 | 3/4 | 177.55 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/20/2007 CL - SW
CALCULATED: 03/25/2007 CL
PRINTED: 03/25/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2007

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



BARGE "KIRBY 28051"

2 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 1/4"

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | |
|-------|-----|-------|-----|-------|-----|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | |
| 0 | | 0 | | 0 | | 0 | 5,095.31 | 0 | 4,758.55 | 0 | 4,404.50 | 0 | 4,033.70 | 0 | 3,648.35 | 0 | 3,260.23 | 0 | 2,872.06 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,088.41 | 1/4 | 4,751.40 | 1/4 | 4,396.95 | 1/4 | 4,025.81 | 1/4 | 3,640.27 | 1/4 | 3,252.14 | 1/4 | 2,863.97 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,081.48 | 1/2 | 4,744.22 | 1/2 | 4,389.37 | 1/2 | 4,017.90 | 1/2 | 3,632.18 | 1/2 | 3,244.06 | 1/2 | 2,855.89 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,074.56 | 3/4 | 4,737.05 | 3/4 | 4,381.78 | 3/4 | 4,009.99 | 3/4 | 3,624.09 | 3/4 | 3,235.97 | 3/4 | 2,847.80 |
| 1 | | 1 | | 1 | | 1 | 5,067.64 | 1 | 4,729.87 | 1 | 4,374.20 | 1 | 4,002.08 | 1 | 3,616.01 | 1 | 3,227.89 | 1 | 2,839.71 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,060.71 | 1/4 | 4,722.69 | 1/4 | 4,366.62 | 1/4 | 3,994.17 | 1/4 | 3,607.92 | 1/4 | 3,219.80 | 1/4 | 2,831.62 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,053.76 | 1/2 | 4,715.48 | 1/2 | 4,359.01 | 1/2 | 3,986.23 | 1/2 | 3,599.84 | 1/2 | 3,211.71 | 1/2 | 2,823.53 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,046.81 | 3/4 | 4,708.27 | 3/4 | 4,351.40 | 3/4 | 3,978.29 | 3/4 | 3,591.75 | 3/4 | 3,203.63 | 3/4 | 2,815.44 |
| 2 | | 2 | | 2 | | 2 | 5,039.87 | 2 | 4,701.06 | 2 | 4,343.80 | 2 | 3,970.34 | 2 | 3,583.67 | 2 | 3,195.54 | 2 | 2,807.36 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,032.92 | 1/4 | 4,693.85 | 1/4 | 4,336.19 | 1/4 | 3,962.40 | 1/4 | 3,575.58 | 1/4 | 3,187.46 | 1/4 | 2,799.27 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,025.93 | 1/2 | 4,686.62 | 1/2 | 4,328.56 | 1/2 | 3,954.43 | 1/2 | 3,567.49 | 1/2 | 3,179.37 | 1/2 | 2,791.18 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,018.95 | 3/4 | 4,679.38 | 3/4 | 4,320.92 | 3/4 | 3,946.46 | 3/4 | 3,559.41 | 3/4 | 3,171.28 | 3/4 | 2,783.09 |
| 3 | | 3 | | 3 | | 3 | 5,011.97 | 3 | 4,672.15 | 3 | 4,313.29 | 3 | 3,938.50 | 3 | 3,551.32 | 3 | 3,163.20 | 3 | 2,775.00 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,004.99 | 1/4 | 4,664.92 | 1/4 | 4,305.66 | 1/4 | 3,930.53 | 1/4 | 3,543.24 | 1/4 | 3,155.11 | 1/4 | 2,766.92 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,998.06 | 1/2 | 4,657.59 | 1/2 | 4,298.00 | 1/2 | 3,922.54 | 1/2 | 3,535.15 | 1/2 | 3,147.03 | 1/2 | 2,758.83 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,991.12 | 3/4 | 4,650.25 | 3/4 | 4,290.33 | 3/4 | 3,914.55 | 3/4 | 3,527.06 | 3/4 | 3,138.94 | 3/4 | 2,750.74 |
| 4 | | 4 | | 4 | | 4 | 4,984.19 | 4 | 4,642.92 | 4 | 4,282.67 | 4 | 3,906.56 | 4 | 3,518.98 | 4 | 3,130.85 | 4 | 2,742.65 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,977.25 | 1/4 | 4,635.59 | 1/4 | 4,275.00 | 1/4 | 3,898.57 | 1/4 | 3,510.89 | 1/4 | 3,122.77 | 1/4 | 2,734.56 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,970.29 | 1/2 | 4,628.23 | 1/2 | 4,267.31 | 1/2 | 3,890.54 | 1/2 | 3,502.81 | 1/2 | 3,114.68 | 1/2 | 2,726.47 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,963.33 | 3/4 | 4,620.87 | 3/4 | 4,259.63 | 3/4 | 3,882.52 | 3/4 | 3,494.72 | 3/4 | 3,106.60 | 3/4 | 2,718.39 |
| 5 | | 5 | | 5 | | 5 | 4,956.37 | 5 | 4,613.51 | 5 | 4,251.94 | 5 | 3,874.49 | 5 | 3,486.63 | 5 | 3,098.51 | 5 | 2,710.30 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,949.41 | 1/4 | 4,606.15 | 1/4 | 4,244.25 | 1/4 | 3,866.47 | 1/4 | 3,478.55 | 1/4 | 3,090.43 | 1/4 | 2,702.21 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,942.42 | 1/2 | 4,598.76 | 1/2 | 4,236.52 | 1/2 | 3,858.42 | 1/2 | 3,470.46 | 1/2 | 3,082.34 | 1/2 | 2,694.12 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,935.43 | 3/4 | 4,591.37 | 3/4 | 4,228.80 | 3/4 | 3,850.37 | 3/4 | 3,462.38 | 3/4 | 3,074.25 | 3/4 | 2,686.03 |
| 6 | | 6 | | 6 | | 6 | 4,928.44 | 6 | 4,583.99 | 6 | 4,221.08 | 6 | 3,842.32 | 6 | 3,454.29 | 6 | 3,066.17 | 6 | 2,677.95 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,921.45 | 1/4 | 4,576.60 | 1/4 | 4,213.35 | 1/4 | 3,834.28 | 1/4 | 3,446.20 | 1/4 | 3,058.08 | 1/4 | 2,669.86 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,914.43 | 1/2 | 4,569.18 | 1/2 | 4,205.61 | 1/2 | 3,826.20 | 1/2 | 3,438.12 | 1/2 | 3,050.00 | 1/2 | 2,661.77 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,257.55 | 3/4 | 4,907.42 | 3/4 | 4,561.76 | 3/4 | 4,197.86 | 3/4 | 3,818.13 | 3/4 | 3,430.03 | 3/4 | 3,041.91 |
| 7 | | 7 | | 7 | | 7 | 4,900.40 | 7 | 4,554.33 | 7 | 4,190.12 | 7 | 3,810.06 | 7 | 3,421.95 | 7 | 3,033.82 | 7 | 2,645.59 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,245.42 | 1/4 | 4,893.38 | 1/4 | 4,546.91 | 1/4 | 4,182.37 | 1/4 | 3,801.98 | 1/4 | 3,413.86 | 1/4 | 3,025.74 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,237.33 | 1/2 | 4,886.34 | 1/2 | 4,539.47 | 1/2 | 4,174.60 | 1/2 | 3,793.90 | 1/2 | 3,405.78 | 1/2 | 3,017.65 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,229.24 | 3/4 | 4,879.29 | 3/4 | 4,532.03 | 3/4 | 4,166.83 | 3/4 | 3,785.81 | 3/4 | 3,397.69 | 3/4 | 3,009.56 |
| 8 | | 8 | | 8 | | 8 | 4,872.24 | 8 | 4,524.58 | 8 | 4,159.06 | 8 | 3,777.73 | 8 | 3,389.60 | 8 | 3,001.47 | 8 | 2,613.24 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,213.07 | 1/4 | 4,865.19 | 1/4 | 4,517.14 | 1/4 | 4,151.29 | 1/4 | 3,769.64 | 1/4 | 3,381.52 | 1/4 | 2,993.39 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,204.98 | 1/2 | 4,858.12 | 1/2 | 4,509.67 | 1/2 | 4,143.48 | 1/2 | 3,761.55 | 1/2 | 3,373.43 | 1/2 | 2,985.30 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,196.89 | 3/4 | 4,851.05 | 3/4 | 4,502.20 | 3/4 | 4,135.68 | 3/4 | 3,753.47 | 3/4 | 3,365.35 | 3/4 | 2,977.21 |
| 9 | | 9 | | 9 | | 9 | 5,188.80 | 9 | 4,843.98 | 9 | 4,494.73 | 9 | 4,127.88 | 9 | 3,745.38 | 9 | 3,357.26 | 9 | 2,969.12 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,180.71 | 1/4 | 4,836.91 | 1/4 | 4,487.26 | 1/4 | 4,120.07 | 1/4 | 3,737.30 | 1/4 | 3,349.17 | 1/4 | 2,961.03 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,172.63 | 1/2 | 4,829.81 | 1/2 | 4,479.76 | 1/2 | 4,112.24 | 1/2 | 3,729.21 | 1/2 | 3,341.09 | 1/2 | 2,952.94 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,164.54 | 3/4 | 4,822.72 | 3/4 | 4,472.26 | 3/4 | 4,104.42 | 3/4 | 3,721.13 | 3/4 | 3,333.00 | 3/4 | 2,944.86 |
| 10 | | 10 | | 10 | | 10 | 5,156.45 | 10 | 4,815.62 | 10 | 4,464.76 | 10 | 4,096.59 | 10 | 3,713.04 | 10 | 3,324.92 | 10 | 2,936.77 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,148.36 | 1/4 | 4,808.53 | 1/4 | 4,457.25 | 1/4 | 4,088.76 | 1/4 | 3,704.95 | 1/4 | 3,316.83 | 1/4 | 2,928.68 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,140.27 | 1/2 | 4,801.40 | 1/2 | 4,449.73 | 1/2 | 4,080.91 | 1/2 | 3,696.87 | 1/2 | 3,308.74 | 1/2 | 2,920.59 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,132.19 | 3/4 | 4,794.27 | 3/4 | 4,442.20 | 3/4 | 4,073.06 | 3/4 | 3,688.78 | 3/4 | 3,300.66 | 3/4 | 2,912.50 |
| 11 | | 11 | | 11 | | 11 | 5,124.10 | 11 | 4,787.14 | 11 | 4,434.68 | 11 | 4,065.20 | 11 | 3,680.70 | 11 | 3,292.57 | 11 | 2,904.42 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 5,116.01 | 1/4 | 4,780.01 | 1/4 | 4,427.15 | 1/4 | 4,057.35 | 1/4 | 3,672.61 | 1/4 | 3,284.49 | 1/4 | 2,896.33 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5,109.11 | 1/2 | 4,772.86 | 1/2 | 4,419.60 | 1/2 | 4,049.47 | 1/2 | 3,664.52 | 1/2 | 3,276.40 | 1/2 | 2,888.24 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 5,102.21 | 3/4 | 4,765.71 | 3/4 | 4,412.05 | 3/4 | 4,041.58 | 3/4 | 3,656.44 | 3/4 | 3,268.32 | 3/4 | 2,880.15 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28051"

2 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 1/4"

| 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | | 16 FT. | | 17 FT. | | 18 FT. | | 19 FT. | |
|--------|----------|--------|----------|--------|----------|--------|----------|--------|--------|--------|--------|--------|--------|--------|--|--------|--|--------|--|
| IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | |
| 0 | 2,483.83 | 0 | 2,095.60 | 0 | 1,707.36 | 0 | 1,319.13 | 0 | 931.35 | 0 | 558.19 | 0 | 170.15 | 0 | | 0 | | 0 | |
| 1/4 | 2,475.74 | 1/4 | 2,087.51 | 1/4 | 1,699.27 | 1/4 | 1,311.04 | 1/4 | 923.42 | 1/4 | 550.25 | 1/4 | 162.06 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,467.65 | 1/2 | 2,079.42 | 1/2 | 1,691.19 | 1/2 | 1,302.95 | 1/2 | 915.64 | 1/2 | 542.17 | 1/2 | 153.98 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,459.56 | 3/4 | 2,071.33 | 3/4 | 1,683.10 | 3/4 | 1,294.86 | 3/4 | 907.86 | 3/4 | 534.08 | 3/4 | 145.89 | 3/4 | | 3/4 | | 3/4 | |
| 1 | 2,451.48 | 1 | 2,063.24 | 1 | 1,675.01 | 1 | 1,286.78 | 1 | 900.08 | 1 | 525.99 | 1 | 137.80 | 1 | | 1 | | 1 | |
| 1/4 | 2,443.39 | 1/4 | 2,055.15 | 1/4 | 1,666.92 | 1/4 | 1,278.69 | 1/4 | 892.30 | 1/4 | 517.90 | 1/4 | 129.71 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,435.30 | 1/2 | 2,047.07 | 1/2 | 1,658.83 | 1/2 | 1,270.60 | 1/2 | 884.54 | 1/2 | 509.82 | 1/2 | 121.63 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,427.21 | 3/4 | 2,038.98 | 3/4 | 1,650.74 | 3/4 | 1,262.51 | 3/4 | 876.77 | 3/4 | 501.73 | 3/4 | 113.54 | 3/4 | | 3/4 | | 3/4 | |
| 2 | 2,419.12 | 2 | 2,030.89 | 2 | 1,642.66 | 2 | 1,254.42 | 2 | 869.01 | 2 | 493.64 | 2 | 105.45 | 2 | | 2 | | 2 | |
| 1/4 | 2,411.03 | 1/4 | 2,022.80 | 1/4 | 1,634.57 | 1/4 | 1,246.33 | 1/4 | 861.24 | 1/4 | 485.56 | 1/4 | 97.37 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,402.95 | 1/2 | 2,014.71 | 1/2 | 1,626.48 | 1/2 | 1,238.25 | 1/2 | 853.49 | 1/2 | 477.47 | 1/2 | 89.28 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,394.86 | 3/4 | 2,006.62 | 3/4 | 1,618.39 | 3/4 | 1,230.16 | 3/4 | 845.73 | 3/4 | 469.38 | 3/4 | 81.19 | 3/4 | | 3/4 | | 3/4 | |
| 3 | 2,386.77 | 3 | 1,998.54 | 3 | 1,610.30 | 3 | 1,222.07 | 3 | 837.98 | 3 | 461.29 | 3 | 73.10 | 3 | | 3 | | 3 | |
| 1/4 | 2,378.68 | 1/4 | 1,990.45 | 1/4 | 1,602.21 | 1/4 | 1,213.98 | 1/4 | 830.22 | 1/4 | 453.21 | 1/4 | 65.02 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,370.59 | 1/2 | 1,982.36 | 1/2 | 1,594.13 | 1/2 | 1,205.89 | 1/2 | 822.47 | 1/2 | 445.12 | 1/2 | 57.94 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,362.51 | 3/4 | 1,974.27 | 3/4 | 1,586.04 | 3/4 | 1,197.80 | 3/4 | 814.72 | 3/4 | 437.03 | 3/4 | 50.86 | 3/4 | | 3/4 | | 3/4 | |
| 4 | 2,354.42 | 4 | 1,966.18 | 4 | 1,577.95 | 4 | 1,189.72 | 4 | 806.96 | 4 | 428.94 | 4 | 43.78 | 4 | | 4 | | 4 | |
| 1/4 | 2,346.33 | 1/4 | 1,958.10 | 1/4 | 1,569.86 | 1/4 | 1,181.63 | 1/4 | 799.21 | 1/4 | 420.86 | 1/4 | 36.71 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,338.24 | 1/2 | 1,950.01 | 1/2 | 1,561.77 | 1/2 | 1,173.54 | 1/2 | 791.45 | 1/2 | 412.77 | 1/2 | 31.65 | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,330.15 | 3/4 | 1,941.92 | 3/4 | 1,553.69 | 3/4 | 1,165.45 | 3/4 | 783.70 | 3/4 | 404.68 | 3/4 | 26.60 | 3/4 | | 3/4 | | 3/4 | |
| 5 | 2,322.06 | 5 | 1,933.83 | 5 | 1,545.60 | 5 | 1,157.36 | 5 | 775.95 | 5 | 396.60 | 5 | 21.54 | 5 | | 5 | | 5 | |
| 1/4 | 2,313.98 | 1/4 | 1,925.74 | 1/4 | 1,537.51 | 1/4 | 1,149.28 | 1/4 | 768.19 | 1/4 | 388.51 | 1/4 | 16.49 | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,305.89 | 1/2 | 1,917.65 | 1/2 | 1,529.42 | 1/2 | 1,141.19 | 1/2 | 760.44 | 1/2 | 380.42 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,297.80 | 3/4 | 1,909.57 | 3/4 | 1,521.33 | 3/4 | 1,133.10 | 3/4 | 752.68 | 3/4 | 372.33 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 2,289.71 | 6 | 1,901.48 | 6 | 1,513.24 | 6 | 1,125.01 | 6 | 744.93 | 6 | 364.25 | 6 | 6 | 6 | | 6 | | 6 | |
| 1/4 | 2,281.62 | 1/4 | 1,893.39 | 1/4 | 1,505.16 | 1/4 | 1,116.92 | 1/4 | 737.18 | 1/4 | 356.16 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,273.54 | 1/2 | 1,885.30 | 1/2 | 1,497.07 | 1/2 | 1,108.83 | 1/2 | 729.42 | 1/2 | 348.07 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,265.45 | 3/4 | 1,877.21 | 3/4 | 1,488.98 | 3/4 | 1,100.75 | 3/4 | 721.67 | 3/4 | 339.98 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 2,257.36 | 7 | 1,869.13 | 7 | 1,480.89 | 7 | 1,092.66 | 7 | 713.91 | 7 | 331.90 | 7 | 7 | 7 | | 7 | | 7 | |
| 1/4 | 2,249.27 | 1/4 | 1,861.04 | 1/4 | 1,472.80 | 1/4 | 1,084.57 | 1/4 | 706.16 | 1/4 | 323.81 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,241.18 | 1/2 | 1,852.95 | 1/2 | 1,464.72 | 1/2 | 1,076.48 | 1/2 | 698.41 | 1/2 | 315.72 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,233.09 | 3/4 | 1,844.86 | 3/4 | 1,456.63 | 3/4 | 1,068.39 | 3/4 | 690.66 | 3/4 | 307.64 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 2,225.01 | 8 | 1,836.77 | 8 | 1,448.54 | 8 | 1,060.31 | 8 | 682.90 | 8 | 299.55 | 8 | 8 | 8 | | 8 | | 8 | |
| 1/4 | 2,216.92 | 1/4 | 1,828.68 | 1/4 | 1,440.45 | 1/4 | 1,052.22 | 1/4 | 675.15 | 1/4 | 291.46 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,208.83 | 1/2 | 1,820.60 | 1/2 | 1,432.36 | 1/2 | 1,044.13 | 1/2 | 667.40 | 1/2 | 283.37 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,200.74 | 3/4 | 1,812.51 | 3/4 | 1,424.27 | 3/4 | 1,036.04 | 3/4 | 659.65 | 3/4 | 275.29 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 2,192.65 | 9 | 1,804.42 | 9 | 1,416.19 | 9 | 1,027.95 | 9 | 651.90 | 9 | 267.20 | 9 | 9 | 9 | | 9 | | 9 | |
| 1/4 | 2,184.57 | 1/4 | 1,796.33 | 1/4 | 1,408.10 | 1/4 | 1,019.86 | 1/4 | 644.14 | 1/4 | 259.11 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,176.48 | 1/2 | 1,788.24 | 1/2 | 1,400.01 | 1/2 | 1,011.78 | 1/2 | 636.38 | 1/2 | 251.02 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,168.39 | 3/4 | 1,780.16 | 3/4 | 1,391.92 | 3/4 | 1,003.69 | 3/4 | 628.62 | 3/4 | 242.94 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 2,160.30 | 10 | 1,772.07 | 10 | 1,383.83 | 10 | 995.60 | 10 | 620.86 | 10 | 234.85 | 10 | 10 | 10 | | 10 | | 10 | |
| 1/4 | 2,152.21 | 1/4 | 1,763.98 | 1/4 | 1,375.75 | 1/4 | 987.51 | 1/4 | 613.09 | 1/4 | 226.76 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,144.12 | 1/2 | 1,755.89 | 1/2 | 1,367.66 | 1/2 | 979.42 | 1/2 | 605.32 | 1/2 | 218.67 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,136.04 | 3/4 | 1,747.80 | 3/4 | 1,359.57 | 3/4 | 971.34 | 3/4 | 597.54 | 3/4 | 210.59 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 2,127.95 | 11 | 1,739.71 | 11 | 1,351.48 | 11 | 963.25 | 11 | 589.76 | 11 | 202.50 | 11 | 11 | 11 | | 11 | | 11 | |
| 1/4 | 2,119.86 | 1/4 | 1,731.63 | 1/4 | 1,343.39 | 1/4 | 955.16 | 1/4 | 581.99 | 1/4 | 194.41 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,111.77 | 1/2 | 1,723.54 | 1/2 | 1,335.30 | 1/2 | 947.22 | 1/2 | 574.05 | 1/2 | 186.33 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,103.68 | 3/4 | 1,715.45 | 3/4 | 1,327.22 | 3/4 | 939.29 | 3/4 | 566.12 | 3/4 | 178.24 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/20/2007 CL - SW
CALCULATED: 03/25/2007 CL
PRINTED: 03/25/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2007

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



BARGE "KIRBY 28051"

3 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 1/2"

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | |
|-------|-----|-------|-----|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | |
| 0 | | 0 | | 0 | | 0 | 4,504.47 | 0 | 4,248.91 | 0 | 3,980.65 | 0 | 3,699.89 | 0 | 3,406.61 | 0 | 3,052.68 | 0 | 2,691.77 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,499.25 | 1/4 | 4,243.47 | 1/4 | 3,974.93 | 1/4 | 3,693.91 | 1/4 | 3,400.07 | 1/4 | 3,045.16 | 1/4 | 2,684.25 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,494.02 | 1/2 | 4,238.03 | 1/2 | 3,969.21 | 1/2 | 3,687.94 | 1/2 | 3,393.52 | 1/2 | 3,037.64 | 1/2 | 2,676.73 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,488.77 | 3/4 | 4,232.58 | 3/4 | 3,963.46 | 3/4 | 3,681.94 | 3/4 | 3,386.70 | 3/4 | 3,030.12 | 3/4 | 2,669.21 |
| 1 | | 1 | | 1 | | 1 | 4,483.52 | 1 | 4,227.12 | 1 | 3,957.72 | 1 | 3,675.95 | 1 | 3,379.87 | 1 | 3,022.61 | 1 | 2,661.69 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,478.28 | 1/4 | 4,221.66 | 1/4 | 3,951.97 | 1/4 | 3,669.96 | 1/4 | 3,373.05 | 1/4 | 3,015.09 | 1/4 | 2,654.17 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,473.03 | 1/2 | 4,216.21 | 1/2 | 3,946.22 | 1/2 | 3,663.96 | 1/2 | 3,366.23 | 1/2 | 3,007.57 | 1/2 | 2,646.65 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,467.77 | 3/4 | 4,210.73 | 3/4 | 3,940.46 | 3/4 | 3,657.94 | 3/4 | 3,359.13 | 3/4 | 3,000.05 | 3/4 | 2,639.13 |
| 2 | | 2 | | 2 | | 2 | 4,462.50 | 2 | 4,205.25 | 2 | 3,934.69 | 2 | 3,651.92 | 2 | 3,352.02 | 2 | 2,992.53 | 2 | 2,631.61 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,457.23 | 1/4 | 4,199.77 | 1/4 | 3,928.93 | 1/4 | 3,645.90 | 1/4 | 3,344.92 | 1/4 | 2,985.01 | 1/4 | 2,624.09 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,451.97 | 1/2 | 4,194.29 | 1/2 | 3,923.16 | 1/2 | 3,639.88 | 1/2 | 3,337.82 | 1/2 | 2,977.50 | 1/2 | 2,616.57 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,446.68 | 3/4 | 4,188.79 | 3/4 | 3,917.38 | 3/4 | 3,633.84 | 3/4 | 3,330.44 | 3/4 | 2,969.98 | 3/4 | 2,609.05 |
| 3 | | 3 | | 3 | | 3 | 4,441.39 | 3 | 4,183.29 | 3 | 3,911.59 | 3 | 3,627.80 | 3 | 3,323.06 | 3 | 2,962.46 | 3 | 2,601.53 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,436.10 | 1/4 | 4,177.79 | 1/4 | 3,905.81 | 1/4 | 3,621.77 | 1/4 | 3,315.68 | 1/4 | 2,954.94 | 1/4 | 2,594.01 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,430.81 | 1/2 | 4,172.29 | 1/2 | 3,900.02 | 1/2 | 3,615.73 | 1/2 | 3,308.30 | 1/2 | 2,947.42 | 1/2 | 2,586.49 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,425.54 | 3/4 | 4,166.73 | 3/4 | 3,894.22 | 3/4 | 3,609.67 | 3/4 | 3,300.79 | 3/4 | 2,939.90 | 3/4 | 2,578.97 |
| 4 | | 4 | | 4 | | 4 | 4,420.27 | 4 | 4,161.18 | 4 | 3,888.41 | 4 | 3,603.62 | 4 | 3,293.27 | 4 | 2,932.38 | 4 | 2,571.45 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,414.99 | 1/4 | 4,155.62 | 1/4 | 3,882.60 | 1/4 | 3,597.56 | 1/4 | 3,285.75 | 1/4 | 2,924.87 | 1/4 | 2,563.93 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,409.72 | 1/2 | 4,150.07 | 1/2 | 3,876.79 | 1/2 | 3,591.50 | 1/2 | 3,278.23 | 1/2 | 2,917.35 | 1/2 | 2,556.41 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,404.43 | 3/4 | 4,144.49 | 3/4 | 3,870.96 | 3/4 | 3,585.42 | 3/4 | 3,270.71 | 3/4 | 2,909.83 | 3/4 | 2,548.89 |
| 5 | | 5 | | 5 | | 5 | 4,399.14 | 5 | 4,138.91 | 5 | 3,865.14 | 5 | 3,579.34 | 5 | 3,263.19 | 5 | 2,902.31 | 5 | 2,541.37 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,393.85 | 1/4 | 4,133.33 | 1/4 | 3,859.31 | 1/4 | 3,573.26 | 1/4 | 3,255.68 | 1/4 | 2,894.79 | 1/4 | 2,533.85 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,388.56 | 1/2 | 4,127.75 | 1/2 | 3,853.48 | 1/2 | 3,567.18 | 1/2 | 3,248.16 | 1/2 | 2,887.27 | 1/2 | 2,526.33 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,383.25 | 3/4 | 4,122.15 | 3/4 | 3,847.63 | 3/4 | 3,561.08 | 3/4 | 3,240.64 | 3/4 | 2,879.76 | 3/4 | 2,518.81 |
| 6 | | 6 | | 6 | | 6 | 4,377.93 | 6 | 4,116.55 | 6 | 3,841.78 | 6 | 3,554.98 | 6 | 3,233.12 | 6 | 2,872.24 | 6 | 2,511.29 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,372.62 | 1/4 | 4,110.95 | 1/4 | 3,835.92 | 1/4 | 3,548.88 | 1/4 | 3,225.60 | 1/4 | 2,864.72 | 1/4 | 2,503.77 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,367.30 | 1/2 | 4,105.36 | 1/2 | 3,830.07 | 1/2 | 3,542.78 | 1/2 | 3,218.08 | 1/2 | 2,857.20 | 1/2 | 2,496.25 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,361.97 | 3/4 | 4,099.73 | 3/4 | 3,824.20 | 3/4 | 3,536.66 | 3/4 | 3,210.57 | 3/4 | 2,849.68 | 3/4 | 2,488.73 |
| 7 | | 7 | | 7 | 4,622.20 | 7 | 4,356.64 | 7 | 4,094.11 | 7 | 3,818.33 | 7 | 3,530.54 | 7 | 3,203.05 | 7 | 2,842.16 | 7 | 2,481.21 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,617.60 | 1/4 | 4,351.30 | 1/4 | 4,088.48 | 1/4 | 3,812.46 | 1/4 | 3,524.42 | 1/4 | 3,195.53 | 1/4 | 2,834.65 | 1/4 | 2,473.69 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,613.00 | 1/2 | 4,345.97 | 1/2 | 4,082.86 | 1/2 | 3,806.59 | 1/2 | 3,518.31 | 1/2 | 3,188.01 | 1/2 | 2,827.13 | 1/2 | 2,466.17 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,606.87 | 3/4 | 4,340.61 | 3/4 | 4,077.22 | 3/4 | 3,800.70 | 3/4 | 3,512.18 | 3/4 | 3,180.49 | 3/4 | 2,819.61 | 3/4 | 2,458.65 |
| 8 | | 8 | | 8 | 4,600.74 | 8 | 4,335.25 | 8 | 4,071.58 | 8 | 3,794.81 | 8 | 3,506.05 | 8 | 3,172.97 | 8 | 2,812.09 | 8 | 2,451.13 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,594.61 | 1/4 | 4,329.89 | 1/4 | 4,065.94 | 1/4 | 3,788.92 | 1/4 | 3,499.92 | 1/4 | 3,165.46 | 1/4 | 2,804.57 | 1/4 | 2,443.61 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,588.48 | 1/2 | 4,324.54 | 1/2 | 4,060.29 | 1/2 | 3,783.03 | 1/2 | 3,493.79 | 1/2 | 3,157.94 | 1/2 | 2,797.05 | 1/2 | 2,436.09 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,582.35 | 3/4 | 4,319.16 | 3/4 | 4,054.63 | 3/4 | 3,777.12 | 3/4 | 3,487.67 | 3/4 | 3,150.42 | 3/4 | 2,789.53 | 3/4 | 2,428.57 |
| 9 | | 9 | | 9 | 4,576.22 | 9 | 4,313.79 | 9 | 4,048.97 | 9 | 3,771.20 | 9 | 3,481.54 | 9 | 3,142.90 | 9 | 2,782.01 | 9 | 2,421.05 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,570.10 | 1/4 | 4,308.41 | 1/4 | 4,043.31 | 1/4 | 3,765.29 | 1/4 | 3,475.41 | 1/4 | 3,135.38 | 1/4 | 2,774.49 | 1/4 | 2,413.53 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,563.97 | 1/2 | 4,303.04 | 1/2 | 4,037.65 | 1/2 | 3,759.37 | 1/2 | 3,469.28 | 1/2 | 3,127.86 | 1/2 | 2,766.97 | 1/2 | 2,406.01 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,557.84 | 3/4 | 4,297.64 | 3/4 | 4,031.97 | 3/4 | 3,753.44 | 3/4 | 3,463.15 | 3/4 | 3,120.34 | 3/4 | 2,759.45 | 3/4 | 2,398.49 |
| 10 | | 10 | | 10 | 4,551.71 | 10 | 4,292.25 | 10 | 4,026.28 | 10 | 3,747.51 | 10 | 3,457.03 | 10 | 3,112.83 | 10 | 2,751.93 | 10 | 2,390.97 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,545.58 | 1/4 | 4,286.85 | 1/4 | 4,020.60 | 1/4 | 3,741.58 | 1/4 | 3,450.90 | 1/4 | 3,105.31 | 1/4 | 2,744.41 | 1/4 | 2,383.45 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,539.45 | 1/2 | 4,281.46 | 1/2 | 4,014.91 | 1/2 | 3,735.65 | 1/2 | 3,444.77 | 1/2 | 3,097.79 | 1/2 | 2,736.89 | 1/2 | 2,375.93 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,533.32 | 3/4 | 4,276.04 | 3/4 | 4,009.21 | 3/4 | 3,729.69 | 3/4 | 3,438.50 | 3/4 | 3,090.27 | 3/4 | 2,729.37 | 3/4 | 2,368.41 |
| 11 | | 11 | | 11 | 4,527.19 | 11 | 4,270.62 | 11 | 4,003.51 | 11 | 3,723.74 | 11 | 3,432.24 | 11 | 3,082.75 | 11 | 2,721.85 | 11 | 2,360.89 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,521.06 | 1/4 | 4,265.20 | 1/4 | 3,997.80 | 1/4 | 3,717.79 | 1/4 | 3,425.97 | 1/4 | 3,075.23 | 1/4 | 2,714.33 | 1/4 | 2,353.37 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,514.93 | 1/2 | 4,259.78 | 1/2 | 3,992.10 | 1/2 | 3,711.84 | 1/2 | 3,419.70 | 1/2 | 3,067.72 | 1/2 | 2,706.81 | 1/2 | 2,345.85 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,509.70 | 3/4 | 4,254.34 | 3/4 | 3,986.38 | 3/4 | 3,705.86 | 3/4 | 3,413.16 | 3/4 | 3,060.20 | 3/4 | 2,699.29 | 3/4 | 2,338.33 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28051"

3 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 1/2"

| 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | | 16 FT. | | 17 FT. | | 18 FT. | | 19 FT. | |
|--------|----------|--------|----------|--------|----------|--------|----------|--------|--------|--------|--------|--------|--------|--------|-----|--------|-----|--------|-----|
| IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | |
| 0 | 2,330.81 | 0 | 1,969.85 | 0 | 1,608.89 | 0 | 1,247.93 | 0 | 887.72 | 0 | 526.82 | 0 | 165.88 | 0 | | 0 | | 0 | |
| 1/4 | 2,323.29 | 1/4 | 1,962.33 | 1/4 | 1,601.37 | 1/4 | 1,240.41 | 1/4 | 880.23 | 1/4 | 519.30 | 1/4 | 158.36 | 1/4 | 1/4 | | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,315.77 | 1/2 | 1,954.81 | 1/2 | 1,593.85 | 1/2 | 1,232.89 | 1/2 | 872.73 | 1/2 | 511.78 | 1/2 | 150.84 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,308.25 | 3/4 | 1,947.29 | 3/4 | 1,586.33 | 3/4 | 1,225.37 | 3/4 | 865.21 | 3/4 | 504.27 | 3/4 | 143.32 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 2,300.73 | 1 | 1,939.77 | 1 | 1,578.81 | 1 | 1,217.85 | 1 | 857.69 | 1 | 496.75 | 1 | 135.80 | 1 | | 1 | | 1 | |
| 1/4 | 2,293.21 | 1/4 | 1,932.25 | 1/4 | 1,571.29 | 1/4 | 1,210.33 | 1/4 | 850.17 | 1/4 | 489.23 | 1/4 | 128.28 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,285.69 | 1/2 | 1,924.73 | 1/2 | 1,563.77 | 1/2 | 1,202.81 | 1/2 | 842.65 | 1/2 | 481.71 | 1/2 | 120.76 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,278.17 | 3/4 | 1,917.21 | 3/4 | 1,556.25 | 3/4 | 1,195.29 | 3/4 | 835.13 | 3/4 | 474.19 | 3/4 | 113.24 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 2,270.65 | 2 | 1,909.69 | 2 | 1,548.73 | 2 | 1,187.77 | 2 | 827.61 | 2 | 466.67 | 2 | 105.72 | 2 | | 2 | | 2 | |
| 1/4 | 2,263.13 | 1/4 | 1,902.17 | 1/4 | 1,541.21 | 1/4 | 1,180.25 | 1/4 | 820.09 | 1/4 | 459.15 | 1/4 | 98.20 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,255.61 | 1/2 | 1,894.65 | 1/2 | 1,533.69 | 1/2 | 1,172.73 | 1/2 | 812.57 | 1/2 | 451.63 | 1/2 | 90.68 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,248.09 | 3/4 | 1,887.13 | 3/4 | 1,526.17 | 3/4 | 1,165.21 | 3/4 | 805.05 | 3/4 | 444.11 | 3/4 | 83.16 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 2,240.57 | 3 | 1,879.61 | 3 | 1,518.65 | 3 | 1,157.69 | 3 | 797.53 | 3 | 436.59 | 3 | 75.64 | 3 | | 3 | | 3 | |
| 1/4 | 2,233.05 | 1/4 | 1,872.09 | 1/4 | 1,511.13 | 1/4 | 1,150.17 | 1/4 | 790.01 | 1/4 | 429.07 | 1/4 | 68.12 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,225.53 | 1/2 | 1,864.57 | 1/2 | 1,503.61 | 1/2 | 1,142.65 | 1/2 | 782.49 | 1/2 | 421.55 | 1/2 | 60.60 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,218.01 | 3/4 | 1,857.05 | 3/4 | 1,496.09 | 3/4 | 1,135.13 | 3/4 | 774.97 | 3/4 | 414.03 | 3/4 | 54.02 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 2,210.49 | 4 | 1,849.53 | 4 | 1,488.57 | 4 | 1,127.61 | 4 | 767.45 | 4 | 406.51 | 4 | 47.44 | 4 | | 4 | | 4 | |
| 1/4 | 2,202.97 | 1/4 | 1,842.01 | 1/4 | 1,481.05 | 1/4 | 1,120.09 | 1/4 | 759.94 | 1/4 | 398.99 | 1/4 | 40.86 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,195.45 | 1/2 | 1,834.49 | 1/2 | 1,473.53 | 1/2 | 1,112.57 | 1/2 | 752.42 | 1/2 | 391.47 | 1/2 | 34.28 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,187.93 | 3/4 | 1,826.97 | 3/4 | 1,466.01 | 3/4 | 1,105.07 | 3/4 | 744.90 | 3/4 | 383.95 | 3/4 | 29.58 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 2,180.41 | 5 | 1,819.45 | 5 | 1,458.49 | 5 | 1,097.58 | 5 | 737.38 | 5 | 376.43 | 5 | 24.88 | 5 | | 5 | | 5 | |
| 1/4 | 2,172.89 | 1/4 | 1,811.93 | 1/4 | 1,450.97 | 1/4 | 1,090.08 | 1/4 | 729.86 | 1/4 | 368.91 | 1/4 | 20.18 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,165.37 | 1/2 | 1,804.41 | 1/2 | 1,443.45 | 1/2 | 1,082.59 | 1/2 | 722.34 | 1/2 | 361.39 | 1/2 | 15.48 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,157.85 | 3/4 | 1,796.89 | 3/4 | 1,435.93 | 3/4 | 1,075.09 | 3/4 | 714.82 | 3/4 | 353.87 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 2,150.33 | 6 | 1,789.37 | 6 | 1,428.41 | 6 | 1,067.60 | 6 | 707.30 | 6 | 346.35 | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 2,142.81 | 1/4 | 1,781.85 | 1/4 | 1,420.89 | 1/4 | 1,060.10 | 1/4 | 699.78 | 1/4 | 338.83 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,135.29 | 1/2 | 1,774.33 | 1/2 | 1,413.37 | 1/2 | 1,052.61 | 1/2 | 692.26 | 1/2 | 331.31 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,127.77 | 3/4 | 1,766.81 | 3/4 | 1,405.85 | 3/4 | 1,045.11 | 3/4 | 684.74 | 3/4 | 323.79 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 2,120.25 | 7 | 1,759.29 | 7 | 1,398.33 | 7 | 1,037.62 | 7 | 677.22 | 7 | 316.27 | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 2,112.73 | 1/4 | 1,751.77 | 1/4 | 1,390.81 | 1/4 | 1,030.12 | 1/4 | 669.70 | 1/4 | 308.75 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,105.21 | 1/2 | 1,744.25 | 1/2 | 1,383.29 | 1/2 | 1,022.63 | 1/2 | 662.18 | 1/2 | 301.23 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,097.69 | 3/4 | 1,736.73 | 3/4 | 1,375.77 | 3/4 | 1,015.13 | 3/4 | 654.66 | 3/4 | 293.71 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 2,090.17 | 8 | 1,729.21 | 8 | 1,368.25 | 8 | 1,007.64 | 8 | 647.14 | 8 | 286.19 | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 2,082.65 | 1/4 | 1,721.69 | 1/4 | 1,360.73 | 1/4 | 1,000.14 | 1/4 | 639.62 | 1/4 | 278.67 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,075.13 | 1/2 | 1,714.17 | 1/2 | 1,353.21 | 1/2 | 992.65 | 1/2 | 632.10 | 1/2 | 271.15 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,067.61 | 3/4 | 1,706.65 | 3/4 | 1,345.69 | 3/4 | 985.15 | 3/4 | 624.58 | 3/4 | 263.63 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 2,060.09 | 9 | 1,699.13 | 9 | 1,338.17 | 9 | 977.66 | 9 | 617.06 | 9 | 256.12 | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 2,052.57 | 1/4 | 1,691.61 | 1/4 | 1,330.65 | 1/4 | 970.16 | 1/4 | 609.54 | 1/4 | 248.60 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,045.05 | 1/2 | 1,684.09 | 1/2 | 1,323.13 | 1/2 | 962.67 | 1/2 | 602.02 | 1/2 | 241.08 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,037.53 | 3/4 | 1,676.57 | 3/4 | 1,315.61 | 3/4 | 955.17 | 3/4 | 594.50 | 3/4 | 233.56 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 2,030.01 | 10 | 1,669.05 | 10 | 1,308.09 | 10 | 947.68 | 10 | 586.98 | 10 | 226.04 | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 2,022.49 | 1/4 | 1,661.53 | 1/4 | 1,300.57 | 1/4 | 940.18 | 1/4 | 579.46 | 1/4 | 218.52 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,014.97 | 1/2 | 1,654.01 | 1/2 | 1,293.05 | 1/2 | 932.69 | 1/2 | 571.94 | 1/2 | 211.00 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,007.45 | 3/4 | 1,646.49 | 3/4 | 1,285.53 | 3/4 | 925.19 | 3/4 | 564.42 | 3/4 | 203.48 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 1,999.93 | 11 | 1,638.97 | 11 | 1,278.01 | 11 | 917.70 | 11 | 556.90 | 11 | 195.96 | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 1,992.41 | 1/4 | 1,631.45 | 1/4 | 1,270.49 | 1/4 | 910.21 | 1/4 | 549.38 | 1/4 | 188.44 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,984.89 | 1/2 | 1,623.93 | 1/2 | 1,262.97 | 1/2 | 902.71 | 1/2 | 541.86 | 1/2 | 180.92 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,977.37 | 3/4 | 1,616.41 | 3/4 | 1,255.45 | 3/4 | 895.22 | 3/4 | 534.34 | 3/4 | 173.40 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/20/2007 CL - SW
CALCULATED: 03/25/2007 CL
PRINTED: 03/25/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2007

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 28051"

3 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 1/2"

| 0 FT. | | 1 FT. | | 2 FT. | | 3 FT. | | 4 FT. | | 5 FT. | | 6 FT. | | 7 FT. | | 8 FT. | | 9 FT. | |
|-------|-----|-------|-----|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | |
| 0 | | 0 | | 0 | | 0 | 4,480.49 | 0 | 4,225.00 | 0 | 3,956.83 | 0 | 3,676.15 | 0 | 3,382.96 | 0 | 3,029.60 | 0 | 2,669.47 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,475.27 | 1/4 | 4,219.57 | 1/4 | 3,951.11 | 1/4 | 3,670.18 | 1/4 | 3,376.41 | 1/4 | 3,022.10 | 1/4 | 2,661.97 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,470.04 | 1/2 | 4,214.13 | 1/2 | 3,945.39 | 1/2 | 3,664.20 | 1/2 | 3,369.87 | 1/2 | 3,014.60 | 1/2 | 2,654.47 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,464.80 | 3/4 | 4,208.68 | 3/4 | 3,939.64 | 3/4 | 3,658.21 | 3/4 | 3,363.05 | 3/4 | 3,007.10 | 3/4 | 2,646.96 |
| 1 | | 1 | | 1 | | 1 | 4,459.55 | 1 | 4,203.22 | 1 | 3,933.90 | 1 | 3,652.22 | 1 | 3,356.23 | 1 | 2,999.60 | 1 | 2,639.46 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,454.31 | 1/4 | 4,197.77 | 1/4 | 3,928.15 | 1/4 | 3,646.22 | 1/4 | 3,349.41 | 1/4 | 2,992.09 | 1/4 | 2,631.96 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,449.06 | 1/2 | 4,192.31 | 1/2 | 3,922.41 | 1/2 | 3,640.23 | 1/2 | 3,342.59 | 1/2 | 2,984.59 | 1/2 | 2,624.45 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,443.80 | 3/4 | 4,186.83 | 3/4 | 3,916.65 | 3/4 | 3,634.21 | 3/4 | 3,335.49 | 3/4 | 2,977.09 | 3/4 | 2,616.95 |
| 2 | | 2 | | 2 | | 2 | 4,438.53 | 2 | 4,181.36 | 2 | 3,910.88 | 2 | 3,628.19 | 2 | 3,328.39 | 2 | 2,969.59 | 2 | 2,609.44 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,433.27 | 1/4 | 4,175.88 | 1/4 | 3,905.12 | 1/4 | 3,622.17 | 1/4 | 3,321.29 | 1/4 | 2,962.08 | 1/4 | 2,601.94 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,428.00 | 1/2 | 4,170.40 | 1/2 | 3,899.36 | 1/2 | 3,616.15 | 1/2 | 3,314.19 | 1/2 | 2,954.58 | 1/2 | 2,594.44 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,422.72 | 3/4 | 4,164.90 | 3/4 | 3,893.57 | 3/4 | 3,610.12 | 3/4 | 3,306.81 | 3/4 | 2,947.08 | 3/4 | 2,586.93 |
| 3 | | 3 | | 3 | | 3 | 4,417.43 | 3 | 4,159.40 | 3 | 3,887.79 | 3 | 3,604.08 | 3 | 3,299.44 | 3 | 2,939.58 | 3 | 2,579.43 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,412.14 | 1/4 | 4,153.91 | 1/4 | 3,882.01 | 1/4 | 3,598.05 | 1/4 | 3,292.06 | 1/4 | 2,932.07 | 1/4 | 2,571.93 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,406.85 | 1/2 | 4,148.41 | 1/2 | 3,876.22 | 1/2 | 3,592.01 | 1/2 | 3,284.68 | 1/2 | 2,924.57 | 1/2 | 2,564.42 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,401.58 | 3/4 | 4,142.85 | 3/4 | 3,870.42 | 3/4 | 3,585.96 | 3/4 | 3,277.18 | 3/4 | 2,917.07 | 3/4 | 2,556.92 |
| 4 | | 4 | | 4 | | 4 | 4,396.31 | 4 | 4,137.30 | 4 | 3,864.61 | 4 | 3,579.91 | 4 | 3,269.68 | 4 | 2,909.57 | 4 | 2,549.42 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,391.04 | 1/4 | 4,131.75 | 1/4 | 3,858.81 | 1/4 | 3,573.85 | 1/4 | 3,262.18 | 1/4 | 2,902.07 | 1/4 | 2,541.91 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,385.77 | 1/2 | 4,126.19 | 1/2 | 3,853.00 | 1/2 | 3,567.80 | 1/2 | 3,254.67 | 1/2 | 2,894.56 | 1/2 | 2,534.41 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,380.48 | 3/4 | 4,120.61 | 3/4 | 3,847.17 | 3/4 | 3,561.72 | 3/4 | 3,247.17 | 3/4 | 2,887.06 | 3/4 | 2,526.91 |
| 5 | | 5 | | 5 | | 5 | 4,375.19 | 5 | 4,115.04 | 5 | 3,841.35 | 5 | 3,555.64 | 5 | 3,239.67 | 5 | 2,879.56 | 5 | 2,519.40 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,369.90 | 1/4 | 4,109.46 | 1/4 | 3,835.52 | 1/4 | 3,549.56 | 1/4 | 3,232.17 | 1/4 | 2,872.06 | 1/4 | 2,511.90 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,364.61 | 1/2 | 4,103.88 | 1/2 | 3,829.70 | 1/2 | 3,543.47 | 1/2 | 3,224.66 | 1/2 | 2,864.55 | 1/2 | 2,504.40 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,359.30 | 3/4 | 4,098.29 | 3/4 | 3,823.85 | 3/4 | 3,537.38 | 3/4 | 3,217.16 | 3/4 | 2,857.05 | 3/4 | 2,496.89 |
| 6 | | 6 | | 6 | | 6 | 4,353.99 | 6 | 4,092.69 | 6 | 3,817.99 | 6 | 3,531.28 | 6 | 3,209.66 | 6 | 2,849.55 | 6 | 2,489.39 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,348.68 | 1/4 | 4,087.09 | 1/4 | 3,812.14 | 1/4 | 3,525.18 | 1/4 | 3,202.16 | 1/4 | 2,842.05 | 1/4 | 2,481.89 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,343.36 | 1/2 | 4,081.50 | 1/2 | 3,806.29 | 1/2 | 3,519.09 | 1/2 | 3,194.66 | 1/2 | 2,834.54 | 1/2 | 2,474.38 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,338.03 | 3/4 | 4,075.87 | 3/4 | 3,800.42 | 3/4 | 3,512.97 | 3/4 | 3,187.15 | 3/4 | 2,827.04 | 3/4 | 2,466.88 |
| 7 | | 7 | | 7 | 4,598.18 | 7 | 4,332.70 | 7 | 4,070.25 | 7 | 3,794.55 | 7 | 3,506.85 | 7 | 3,179.65 | 7 | 2,819.54 | 7 | 2,459.38 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,593.59 | 1/4 | 4,327.37 | 1/4 | 4,064.63 | 1/4 | 3,788.69 | 1/4 | 3,500.74 | 1/4 | 3,172.15 | 1/4 | 2,812.04 | 1/4 | 2,451.88 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,588.99 | 1/2 | 4,322.04 | 1/2 | 4,059.01 | 1/2 | 3,782.82 | 1/2 | 3,494.62 | 1/2 | 3,164.65 | 1/2 | 2,804.54 | 1/2 | 2,444.38 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,582.86 | 3/4 | 4,316.68 | 3/4 | 4,053.37 | 3/4 | 3,776.93 | 3/4 | 3,488.49 | 3/4 | 3,157.14 | 3/4 | 2,797.03 | 3/4 | 2,436.88 |
| 8 | | 8 | | 8 | 4,576.73 | 8 | 4,311.32 | 8 | 4,047.73 | 8 | 3,771.04 | 8 | 3,482.37 | 8 | 3,149.64 | 8 | 2,789.53 | 8 | 2,429.38 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,570.61 | 1/4 | 4,305.97 | 1/4 | 4,042.09 | 1/4 | 3,765.15 | 1/4 | 3,476.24 | 1/4 | 3,142.14 | 1/4 | 2,782.03 | 1/4 | 2,421.88 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,564.48 | 1/2 | 4,300.61 | 1/2 | 4,036.45 | 1/2 | 3,759.27 | 1/2 | 3,470.11 | 1/2 | 3,134.64 | 1/2 | 2,774.52 | 1/2 | 2,414.38 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,558.35 | 3/4 | 4,295.24 | 3/4 | 4,030.79 | 3/4 | 3,753.35 | 3/4 | 3,463.99 | 3/4 | 3,127.13 | 3/4 | 2,767.02 | 3/4 | 2,406.88 |
| 9 | | 9 | | 9 | 4,552.22 | 9 | 4,289.86 | 9 | 4,025.13 | 9 | 3,747.44 | 9 | 3,457.86 | 9 | 3,119.63 | 9 | 2,759.51 | 9 | 2,399.38 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,546.10 | 1/4 | 4,284.49 | 1/4 | 4,019.47 | 1/4 | 3,741.53 | 1/4 | 3,451.74 | 1/4 | 3,112.13 | 1/4 | 2,752.01 | 1/4 | 2,391.88 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,539.97 | 1/2 | 4,279.12 | 1/2 | 4,013.81 | 1/2 | 3,735.62 | 1/2 | 3,445.61 | 1/2 | 3,104.63 | 1/2 | 2,744.51 | 1/2 | 2,384.38 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,533.84 | 3/4 | 4,273.72 | 3/4 | 4,008.13 | 3/4 | 3,729.69 | 3/4 | 3,439.48 | 3/4 | 3,097.13 | 3/4 | 2,737.00 | 3/4 | 2,376.88 |
| 10 | | 10 | | 10 | 4,527.71 | 10 | 4,268.33 | 10 | 4,002.45 | 10 | 3,723.76 | 10 | 3,433.36 | 10 | 3,089.62 | 10 | 2,729.50 | 10 | 2,369.38 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,521.59 | 1/4 | 4,262.94 | 1/4 | 3,996.76 | 1/4 | 3,717.83 | 1/4 | 3,427.23 | 1/4 | 3,082.12 | 1/4 | 2,722.00 | 1/4 | 2,361.88 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,515.46 | 1/2 | 4,257.55 | 1/2 | 3,991.08 | 1/2 | 3,711.90 | 1/2 | 3,421.11 | 1/2 | 3,074.62 | 1/2 | 2,714.49 | 1/2 | 2,354.38 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,509.33 | 3/4 | 4,252.13 | 3/4 | 3,985.38 | 3/4 | 3,705.95 | 3/4 | 3,414.84 | 3/4 | 3,067.12 | 3/4 | 2,706.99 | 3/4 | 2,346.88 |
| 11 | | 11 | | 11 | 4,503.20 | 11 | 4,246.71 | 11 | 3,979.68 | 11 | 3,700.00 | 11 | 3,408.57 | 11 | 3,059.61 | 11 | 2,699.49 | 11 | 2,339.38 |
| 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 4,497.08 | 1/4 | 4,241.29 | 1/4 | 3,973.97 | 1/4 | 3,694.05 | 1/4 | 3,402.31 | 1/4 | 3,052.11 | 1/4 | 2,691.98 | 1/4 | 2,331.88 |
| 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 4,490.95 | 1/2 | 4,235.87 | 1/2 | 3,968.27 | 1/2 | 3,688.10 | 1/2 | 3,396.04 | 1/2 | 3,044.61 | 1/2 | 2,684.48 | 1/2 | 2,324.38 |
| 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 4,485.72 | 3/4 | 4,230.44 | 3/4 | 3,962.55 | 3/4 | 3,682.12 | 3/4 | 3,389.50 | 3/4 | 3,037.11 | 3/4 | 2,676.98 | 3/4 | 2,316.88 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28051"

3 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 1/2"

| 10 FT. | | 11 FT. | | 12 FT. | | 13 FT. | | 14 FT. | | 15 FT. | | 16 FT. | | 17 FT. | | 18 FT. | | 19 FT. | |
|--------|----------|--------|----------|--------|----------|--------|----------|--------|--------|--------|--------|--------|--------|--------|-----|--------|-----|--------|-----|
| IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | | IN | |
| 0 | 2,309.38 | 0 | 1,950.36 | 0 | 1,592.12 | 0 | 1,231.91 | 0 | 878.18 | 0 | 525.60 | 0 | 165.82 | 0 | | 0 | | 0 | |
| 1/4 | 2,301.88 | 1/4 | 1,942.92 | 1/4 | 1,584.62 | 1/4 | 1,224.41 | 1/4 | 870.82 | 1/4 | 518.23 | 1/4 | 158.30 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,294.38 | 1/2 | 1,935.48 | 1/2 | 1,577.11 | 1/2 | 1,216.90 | 1/2 | 863.45 | 1/2 | 510.87 | 1/2 | 150.78 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,286.88 | 3/4 | 1,928.05 | 3/4 | 1,569.61 | 3/4 | 1,209.53 | 3/4 | 856.09 | 3/4 | 503.43 | 3/4 | 143.27 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 2,279.38 | 1 | 1,920.61 | 1 | 1,562.10 | 1 | 1,202.17 | 1 | 848.72 | 1 | 495.99 | 1 | 135.75 | 1 | | 1 | | 1 | |
| 1/4 | 2,271.87 | 1/4 | 1,913.17 | 1/4 | 1,554.60 | 1/4 | 1,194.80 | 1/4 | 841.35 | 1/4 | 488.55 | 1/4 | 128.23 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,264.37 | 1/2 | 1,905.73 | 1/2 | 1,547.09 | 1/2 | 1,187.43 | 1/2 | 833.98 | 1/2 | 481.12 | 1/2 | 120.72 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,256.86 | 3/4 | 1,898.29 | 3/4 | 1,539.59 | 3/4 | 1,180.06 | 3/4 | 826.62 | 3/4 | 473.61 | 3/4 | 113.20 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 2,249.36 | 2 | 1,890.85 | 2 | 1,532.09 | 2 | 1,172.69 | 2 | 819.26 | 2 | 466.11 | 2 | 105.68 | 2 | | 2 | | 2 | |
| 1/4 | 2,241.85 | 1/4 | 1,883.41 | 1/4 | 1,524.58 | 1/4 | 1,165.33 | 1/4 | 811.89 | 1/4 | 458.60 | 1/4 | 98.17 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,234.35 | 1/2 | 1,875.97 | 1/2 | 1,517.08 | 1/2 | 1,157.96 | 1/2 | 804.53 | 1/2 | 451.09 | 1/2 | 90.65 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,226.84 | 3/4 | 1,868.54 | 3/4 | 1,509.57 | 3/4 | 1,150.59 | 3/4 | 797.18 | 3/4 | 443.59 | 3/4 | 83.13 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 2,219.34 | 3 | 1,861.10 | 3 | 1,502.07 | 3 | 1,143.22 | 3 | 789.83 | 3 | 436.08 | 3 | 75.61 | 3 | | 3 | | 3 | |
| 1/4 | 2,211.83 | 1/4 | 1,853.66 | 1/4 | 1,494.56 | 1/4 | 1,135.85 | 1/4 | 782.48 | 1/4 | 428.58 | 1/4 | 68.10 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,204.33 | 1/2 | 1,846.22 | 1/2 | 1,487.06 | 1/2 | 1,128.49 | 1/2 | 775.14 | 1/2 | 421.07 | 1/2 | 60.58 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,196.83 | 3/4 | 1,838.78 | 3/4 | 1,479.56 | 3/4 | 1,121.12 | 3/4 | 767.80 | 3/4 | 413.57 | 3/4 | 54.00 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 2,189.32 | 4 | 1,831.34 | 4 | 1,472.05 | 4 | 1,113.75 | 4 | 760.47 | 4 | 406.06 | 4 | 47.42 | 4 | | 4 | | 4 | |
| 1/4 | 2,181.82 | 1/4 | 1,823.90 | 1/4 | 1,464.55 | 1/4 | 1,106.38 | 1/4 | 753.13 | 1/4 | 398.56 | 1/4 | 40.85 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,174.31 | 1/2 | 1,816.46 | 1/2 | 1,457.04 | 1/2 | 1,099.01 | 1/2 | 745.80 | 1/2 | 391.05 | 1/2 | 34.27 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,166.81 | 3/4 | 1,809.03 | 3/4 | 1,449.54 | 3/4 | 1,091.65 | 3/4 | 738.46 | 3/4 | 383.55 | 3/4 | 29.57 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 2,159.30 | 5 | 1,801.59 | 5 | 1,442.03 | 5 | 1,084.29 | 5 | 731.13 | 5 | 376.04 | 5 | 24.87 | 5 | | 5 | | 5 | |
| 1/4 | 2,151.80 | 1/4 | 1,794.15 | 1/4 | 1,434.53 | 1/4 | 1,076.93 | 1/4 | 723.79 | 1/4 | 368.54 | 1/4 | 20.17 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,144.29 | 1/2 | 1,786.71 | 1/2 | 1,427.02 | 1/2 | 1,069.57 | 1/2 | 716.46 | 1/2 | 361.03 | 1/2 | 15.48 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,136.79 | 3/4 | 1,779.27 | 3/4 | 1,419.52 | 3/4 | 1,062.21 | 3/4 | 709.12 | 3/4 | 353.52 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 2,129.29 | 6 | 1,771.83 | 6 | 1,412.02 | 6 | 1,054.85 | 6 | 701.78 | 6 | 346.02 | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 2,121.78 | 1/4 | 1,764.39 | 1/4 | 1,404.51 | 1/4 | 1,047.48 | 1/4 | 694.45 | 1/4 | 338.51 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,114.28 | 1/2 | 1,756.96 | 1/2 | 1,397.01 | 1/2 | 1,040.12 | 1/2 | 687.11 | 1/2 | 331.01 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,106.77 | 3/4 | 1,749.52 | 3/4 | 1,389.50 | 3/4 | 1,032.76 | 3/4 | 679.77 | 3/4 | 323.50 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 2,099.27 | 7 | 1,742.08 | 7 | 1,382.00 | 7 | 1,025.40 | 7 | 672.44 | 7 | 316.00 | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 2,091.76 | 1/4 | 1,734.64 | 1/4 | 1,374.49 | 1/4 | 1,018.04 | 1/4 | 665.10 | 1/4 | 308.49 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,084.26 | 1/2 | 1,727.20 | 1/2 | 1,366.99 | 1/2 | 1,010.68 | 1/2 | 657.76 | 1/2 | 300.99 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,076.82 | 3/4 | 1,719.70 | 3/4 | 1,359.48 | 3/4 | 1,003.32 | 3/4 | 650.43 | 3/4 | 293.48 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 2,069.38 | 8 | 1,712.19 | 8 | 1,351.98 | 8 | 995.96 | 8 | 643.09 | 8 | 285.98 | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 2,061.94 | 1/4 | 1,704.69 | 1/4 | 1,344.48 | 1/4 | 988.60 | 1/4 | 635.76 | 1/4 | 278.47 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,054.50 | 1/2 | 1,697.18 | 1/2 | 1,336.97 | 1/2 | 981.23 | 1/2 | 628.42 | 1/2 | 270.96 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,047.06 | 3/4 | 1,689.68 | 3/4 | 1,329.47 | 3/4 | 973.87 | 3/4 | 621.08 | 3/4 | 263.46 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 2,039.63 | 9 | 1,682.17 | 9 | 1,321.96 | 9 | 966.51 | 9 | 613.75 | 9 | 255.95 | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 2,032.19 | 1/4 | 1,674.67 | 1/4 | 1,314.46 | 1/4 | 959.15 | 1/4 | 606.41 | 1/4 | 248.45 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,024.75 | 1/2 | 1,667.17 | 1/2 | 1,306.95 | 1/2 | 951.79 | 1/2 | 599.07 | 1/2 | 240.94 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,017.31 | 3/4 | 1,659.66 | 3/4 | 1,299.45 | 3/4 | 944.43 | 3/4 | 591.74 | 3/4 | 233.44 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 2,009.87 | 10 | 1,652.16 | 10 | 1,291.95 | 10 | 937.07 | 10 | 584.40 | 10 | 225.93 | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 2,002.43 | 1/4 | 1,644.65 | 1/4 | 1,284.44 | 1/4 | 929.71 | 1/4 | 577.06 | 1/4 | 218.43 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,994.99 | 1/2 | 1,637.15 | 1/2 | 1,276.94 | 1/2 | 922.34 | 1/2 | 569.73 | 1/2 | 210.92 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,987.56 | 3/4 | 1,629.64 | 3/4 | 1,269.43 | 3/4 | 914.98 | 3/4 | 562.38 | 3/4 | 203.40 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 1,980.12 | 11 | 1,622.14 | 11 | 1,261.93 | 11 | 907.62 | 11 | 555.03 | 11 | 195.89 | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 1,972.68 | 1/4 | 1,614.63 | 1/4 | 1,254.42 | 1/4 | 900.26 | 1/4 | 547.68 | 1/4 | 188.37 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,965.24 | 1/2 | 1,607.13 | 1/2 | 1,246.92 | 1/2 | 892.90 | 1/2 | 540.33 | 1/2 | 180.85 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,957.80 | 3/4 | 1,599.63 | 3/4 | 1,239.41 | 3/4 | 885.54 | 3/4 | 532.96 | 3/4 | 173.34 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/20/2007 CL - SW
CALCULATED: 03/25/2007 CL
PRINTED: 03/25/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2007

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