



BARGE "NGL 3044"

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 | - 00-1/8 | 00-1/8 | - 00-1/4 | 00-1/4 | - 00-1/4 | 00-1/4 | - 00-3/8 | 00-3/8 | - 00-3/8 | 00-3/8 |
| 1 STBD | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/4 | 00-1/4 | - 00-1/4 | 00-1/4 | - 00-3/8 | 00-3/8 | - 00-3/8 | 00-3/8 |
| 2 PORT | - 00-0/8 | 00-0/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/4 | 00-1/4 | - 00-1/4 | 00-1/4 | - 00-3/8 | 00-3/8 |
| 2 STBD | - 00-0/8 | 00-0/8 | - 00-1/8 | 00-1/8 | - 00-1/8 | 00-1/8 | - 00-1/4 | 00-1/4 | - 00-1/4 | 00-1/4 | - 00-3/8 | 00-3/8 |
| 3 PORT | 00-5/8 | - 00-5/8 | 01-1/8 | - 01-1/8 | 01-3/4 | - 01-3/4 | 02-1/4 | - 02-1/4 | 02-7/8 | - 02-7/8 | 03-1/2 | - 03-1/2 |
| 3 STBD | 00-5/8 | - 00-5/8 | 01-1/8 | - 01-1/8 | 01-3/4 | - 01-3/4 | 02-1/4 | - 02-1/4 | 02-7/8 | - 02-7/8 | 03-1/2 | - 03-1/2 |

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 6'-00"
 DIFF. = 4'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 253'-09"

January 3, 2013

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BARGE "NGL 3044"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "MOC 19"

GAUGE HEIGHT 15'-09"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. | | |
|-----|-------|-----|-------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0 | | 0 | | 0 | 4,984.66 | 0 | 4,622.53 | 0 | 4,260.02 | 0 | 3,897.51 | 0 | 3,535.00 | 0 | 3,172.49 | 0 | 2,809.98 | 0 | 2,447.41 | | |
| 1/4 | | 1/4 | | 1/4 | 4,977.13 | 1/4 | 4,614.98 | 1/4 | 4,252.47 | 1/4 | 3,889.96 | 1/4 | 3,527.45 | 1/4 | 3,164.94 | 1/4 | 2,802.43 | 1/4 | 2,439.86 | | |
| 1/2 | | 1/2 | | 1/2 | 4,969.60 | 1/2 | 4,607.43 | 1/2 | 4,244.92 | 1/2 | 3,882.41 | 1/2 | 3,519.90 | 1/2 | 3,157.39 | 1/2 | 2,794.88 | 1/2 | 2,432.30 | | |
| 3/4 | | 3/4 | | 3/4 | 4,962.08 | 3/4 | 4,599.87 | 3/4 | 4,237.36 | 3/4 | 3,874.85 | 3/4 | 3,512.34 | 3/4 | 3,149.83 | 3/4 | 2,787.32 | 3/4 | 2,424.75 | | |
| 1 | | 1 | | 1 | 4,954.55 | 1 | 4,592.32 | 1 | 4,229.81 | 1 | 3,867.30 | 1 | 3,504.79 | 1 | 3,142.28 | 1 | 2,779.77 | 1 | 2,417.19 | | |
| 1/4 | | 1/4 | | 1/4 | 5,290.03 | 1/4 | 4,947.03 | 1/4 | 4,584.77 | 1/4 | 4,222.26 | 1/4 | 3,859.75 | 1/4 | 3,497.24 | 1/4 | 3,134.73 | 1/4 | 2,772.22 | 1/4 | 2,409.64 |
| 1/2 | | 1/2 | | 1/2 | 5,285.39 | 1/2 | 4,939.50 | 1/2 | 4,577.22 | 1/2 | 4,214.71 | 1/2 | 3,852.20 | 1/2 | 3,489.69 | 1/2 | 3,127.18 | 1/2 | 2,764.67 | 1/2 | 2,402.08 |
| 3/4 | | 3/4 | | 3/4 | 5,280.74 | 3/4 | 4,931.97 | 3/4 | 4,569.67 | 3/4 | 4,207.16 | 3/4 | 3,844.64 | 3/4 | 3,482.13 | 3/4 | 3,119.62 | 3/4 | 2,757.11 | 3/4 | 2,394.53 |
| 2 | | 2 | | 2 | 5,276.10 | 2 | 4,924.45 | 2 | 4,562.11 | 2 | 4,199.60 | 2 | 3,837.09 | 2 | 3,474.58 | 2 | 3,112.07 | 2 | 2,749.56 | 2 | 2,386.97 |
| 1/4 | | 1/4 | | 1/4 | 5,270.19 | 1/4 | 4,916.92 | 1/4 | 4,554.56 | 1/4 | 4,192.05 | 1/4 | 3,829.54 | 1/4 | 3,467.03 | 1/4 | 3,104.52 | 1/4 | 2,742.01 | 1/4 | 2,379.42 |
| 1/2 | | 1/2 | | 1/2 | 5,264.29 | 1/2 | 4,909.40 | 1/2 | 4,547.01 | 1/2 | 4,184.50 | 1/2 | 3,821.99 | 1/2 | 3,459.48 | 1/2 | 3,096.97 | 1/2 | 2,734.46 | 1/2 | 2,371.86 |
| 3/4 | | 3/4 | | 3/4 | 5,258.39 | 3/4 | 4,901.87 | 3/4 | 4,539.46 | 3/4 | 4,176.95 | 3/4 | 3,814.44 | 3/4 | 3,451.93 | 3/4 | 3,089.41 | 3/4 | 2,726.90 | 3/4 | 2,364.31 |
| 3 | | 3 | | 3 | 5,252.48 | 3 | 4,894.34 | 3 | 4,531.90 | 3 | 4,169.39 | 3 | 3,806.88 | 3 | 3,444.37 | 3 | 3,081.86 | 3 | 2,719.35 | 3 | 2,356.75 |
| 1/4 | | 1/4 | | 1/4 | 5,245.45 | 1/4 | 4,886.82 | 1/4 | 4,524.35 | 1/4 | 4,161.84 | 1/4 | 3,799.33 | 1/4 | 3,436.82 | 1/4 | 3,074.31 | 1/4 | 2,711.80 | 1/4 | 2,349.20 |
| 1/2 | | 1/2 | | 1/2 | 5,238.43 | 1/2 | 4,879.29 | 1/2 | 4,516.80 | 1/2 | 4,154.29 | 1/2 | 3,791.78 | 1/2 | 3,429.27 | 1/2 | 3,066.76 | 1/2 | 2,704.25 | 1/2 | 2,341.64 |
| 3/4 | | 3/4 | | 3/4 | 5,231.40 | 3/4 | 4,871.77 | 3/4 | 4,509.25 | 3/4 | 4,146.74 | 3/4 | 3,784.23 | 3/4 | 3,421.72 | 3/4 | 3,059.21 | 3/4 | 2,696.70 | 3/4 | 2,334.08 |
| 4 | | 4 | | 4 | 5,224.37 | 4 | 4,864.24 | 4 | 4,501.70 | 4 | 4,139.18 | 4 | 3,776.67 | 4 | 3,414.16 | 4 | 3,051.65 | 4 | 2,689.14 | 4 | 2,326.53 |
| 1/4 | | 1/4 | | 1/4 | 5,216.96 | 1/4 | 4,856.69 | 1/4 | 4,494.14 | 1/4 | 4,131.63 | 1/4 | 3,769.12 | 1/4 | 3,406.61 | 1/4 | 3,044.10 | 1/4 | 2,681.59 | 1/4 | 2,318.97 |
| 1/2 | | 1/2 | | 1/2 | 5,209.54 | 1/2 | 4,849.14 | 1/2 | 4,486.59 | 1/2 | 4,124.08 | 1/2 | 3,761.57 | 1/2 | 3,399.06 | 1/2 | 3,036.55 | 1/2 | 2,674.44 | 1/2 | 2,311.42 |
| 3/4 | | 3/4 | | 3/4 | 5,202.12 | 3/4 | 4,841.60 | 3/4 | 4,479.04 | 3/4 | 4,116.53 | 3/4 | 3,754.02 | 3/4 | 3,391.51 | 3/4 | 3,029.00 | 3/4 | 2,666.49 | 3/4 | 2,303.86 |
| 5 | | 5 | | 5 | 5,194.70 | 5 | 4,834.05 | 5 | 4,471.49 | 5 | 4,108.98 | 5 | 3,746.47 | 5 | 3,383.95 | 5 | 3,021.44 | 5 | 2,658.93 | 5 | 2,296.31 |
| 1/4 | | 1/4 | | 1/4 | 5,187.23 | 1/4 | 4,826.49 | 1/4 | 4,463.93 | 1/4 | 4,101.42 | 1/4 | 3,738.91 | 1/4 | 3,376.40 | 1/4 | 3,013.89 | 1/4 | 2,651.38 | 1/4 | 2,288.75 |
| 1/2 | | 1/2 | | 1/2 | 5,179.76 | 1/2 | 4,818.94 | 1/2 | 4,456.38 | 1/2 | 4,093.87 | 1/2 | 3,731.36 | 1/2 | 3,368.85 | 1/2 | 3,006.34 | 1/2 | 2,643.83 | 1/2 | 2,281.20 |
| 3/4 | | 3/4 | | 3/4 | 5,172.30 | 3/4 | 4,811.38 | 3/4 | 4,448.83 | 3/4 | 4,086.32 | 3/4 | 3,723.81 | 3/4 | 3,361.30 | 3/4 | 2,998.79 | 3/4 | 2,636.28 | 3/4 | 2,273.64 |
| 6 | | 6 | | 6 | 5,164.83 | 6 | 4,803.83 | 6 | 4,441.28 | 6 | 4,078.77 | 6 | 3,716.26 | 6 | 3,353.75 | 6 | 2,991.24 | 6 | 2,628.72 | 6 | 2,266.09 |
| 1/4 | | 1/4 | | 1/4 | 5,157.35 | 1/4 | 4,796.27 | 1/4 | 4,433.72 | 1/4 | 4,071.21 | 1/4 | 3,708.70 | 1/4 | 3,346.19 | 1/4 | 2,983.68 | 1/4 | 2,621.17 | 1/4 | 2,258.53 |
| 1/2 | | 1/2 | | 1/2 | 5,149.88 | 1/2 | 4,788.72 | 1/2 | 4,426.17 | 1/2 | 4,063.66 | 1/2 | 3,701.15 | 1/2 | 3,338.64 | 1/2 | 2,976.13 | 1/2 | 2,613.62 | 1/2 | 2,250.98 |
| 3/4 | | 3/4 | | 3/4 | 5,142.40 | 3/4 | 4,781.16 | 3/4 | 4,418.62 | 3/4 | 4,056.11 | 3/4 | 3,693.60 | 3/4 | 3,331.09 | 3/4 | 2,968.58 | 3/4 | 2,606.07 | 3/4 | 2,243.42 |
| 7 | | 7 | | 7 | 5,134.93 | 7 | 4,773.61 | 7 | 4,411.07 | 7 | 4,048.56 | 7 | 3,686.05 | 7 | 3,323.54 | 7 | 2,961.03 | 7 | 2,598.51 | 7 | 2,235.87 |
| 1/4 | | 1/4 | | 1/4 | 5,127.45 | 1/4 | 4,766.05 | 1/4 | 4,403.52 | 1/4 | 4,041.00 | 1/4 | 3,678.49 | 1/4 | 3,315.98 | 1/4 | 2,953.47 | 1/4 | 2,590.96 | 1/4 | 2,228.31 |
| 1/2 | | 1/2 | | 1/2 | 5,119.97 | 1/2 | 4,758.50 | 1/2 | 4,395.96 | 1/2 | 4,033.45 | 1/2 | 3,670.94 | 1/2 | 3,308.43 | 1/2 | 2,945.92 | 1/2 | 2,583.40 | 1/2 | 2,220.76 |
| 3/4 | | 3/4 | | 3/4 | 5,112.50 | 3/4 | 4,750.94 | 3/4 | 4,388.41 | 3/4 | 4,025.90 | 3/4 | 3,663.39 | 3/4 | 3,300.88 | 3/4 | 2,938.37 | 3/4 | 2,575.85 | 3/4 | 2,213.20 |
| 8 | | 8 | | 8 | 5,105.02 | 8 | 4,743.39 | 8 | 4,380.86 | 8 | 4,018.35 | 8 | 3,655.84 | 8 | 3,293.33 | 8 | 2,930.82 | 8 | 2,568.29 | 8 | 2,205.65 |
| 1/4 | | 1/4 | | 1/4 | 5,097.51 | 1/4 | 4,735.83 | 1/4 | 4,373.31 | 1/4 | 4,010.80 | 1/4 | 3,648.29 | 1/4 | 3,285.77 | 1/4 | 2,923.26 | 1/4 | 2,560.74 | 1/4 | 2,198.09 |
| 1/2 | | 1/2 | | 1/2 | 5,089.99 | 1/2 | 4,728.28 | 1/2 | 4,365.75 | 1/2 | 4,003.24 | 1/2 | 3,640.73 | 1/2 | 3,278.22 | 1/2 | 2,915.71 | 1/2 | 2,553.18 | 1/2 | 2,190.54 |
| 3/4 | | 3/4 | | 3/4 | 5,082.48 | 3/4 | 4,720.72 | 3/4 | 4,358.20 | 3/4 | 3,995.69 | 3/4 | 3,633.18 | 3/4 | 3,270.67 | 3/4 | 2,908.16 | 3/4 | 2,545.63 | 3/4 | 2,182.98 |
| 9 | | 9 | | 9 | 5,074.97 | 9 | 4,713.17 | 9 | 4,350.65 | 9 | 3,988.14 | 9 | 3,625.63 | 9 | 3,263.12 | 9 | 2,900.61 | 9 | 2,538.07 | 9 | 2,175.43 |
| 1/4 | | 1/4 | | 1/4 | 5,067.44 | 1/4 | 4,705.61 | 1/4 | 4,343.10 | 1/4 | 3,980.59 | 1/4 | 3,618.08 | 1/4 | 3,255.57 | 1/4 | 2,893.06 | 1/4 | 2,530.52 | 1/4 | 2,167.87 |
| 1/2 | | 1/2 | | 1/2 | 5,059.92 | 1/2 | 4,698.06 | 1/2 | 4,335.54 | 1/2 | 3,973.03 | 1/2 | 3,610.52 | 1/2 | 3,248.01 | 1/2 | 2,885.50 | 1/2 | 2,522.96 | 1/2 | 2,160.32 |
| 3/4 | | 3/4 | | 3/4 | 5,052.39 | 3/4 | 4,690.50 | 3/4 | 4,327.99 | 3/4 | 3,965.48 | 3/4 | 3,602.97 | 3/4 | 3,240.46 | 3/4 | 2,877.95 | 3/4 | 2,515.41 | 3/4 | 2,152.76 |
| 10 | | 10 | | 10 | 5,044.86 | 10 | 4,682.95 | 10 | 4,320.44 | 10 | 3,957.93 | 10 | 3,595.42 | 10 | 3,232.91 | 10 | 2,870.40 | 10 | 2,507.85 | 10 | 2,145.21 |
| 1/4 | | 1/4 | | 1/4 | 5,037.34 | 1/4 | 4,675.40 | 1/4 | 4,312.89 | 1/4 | 3,950.38 | 1/4 | 3,587.87 | 1/4 | 3,225.36 | 1/4 | 2,862.85 | 1/4 | 2,500.30 | 1/4 | 2,137.65 |
| 1/2 | | 1/2 | | 1/2 | 5,029.81 | 1/2 | 4,667.84 | 1/2 | 4,305.34 | 1/2 | 3,942.82 | 1/2 | 3,580.31 | 1/2 | 3,217.80 | 1/2 | 2,855.29 | 1/2 | 2,492.74 | 1/2 | 2,130.10 |
| 3/4 | | 3/4 | | 3/4 | 5,022.29 | 3/4 | 4,660.29 | 3/4 | 4,297.78 | 3/4 | 3,935.27 | 3/4 | 3,572.76 | 3/4 | 3,210.25 | 3/4 | 2,847.74 | 3/4 | 2,485.19 | 3/4 | 2,122.54 |
| 11 | | 11 | | 11 | 5,014.76 | 11 | 4,652.74 | 11 | 4,290.23 | 11 | 3,927.72 | 11 | 3,565.21 | 11 | 3,202.70 | 11 | 2,840.19 | 11 | 2,477.63 | 11 | 2,114.99 |
| 1/4 | | 1/4 | | 1/4 | 5,007.23 | 1/4 | 4,645.19 | 1/4 | 4,282.68 | 1/4 | 3,920.17 | 1/4 | 3,557.66 | 1/4 | 3,195.15 | 1/4 | 2,832.64 | 1/4 | 2,470.08 | 1/4 | 2,107.43 |
| 1/2 | | 1/2 | | 1/2 | 4,999.71 | 1/2 | 4,637.64 | 1/2 | 4,275.13 | 1/2 | 3,912.62 | 1/2 | 3,550.11 | 1/2 | 3,187.59 | 1/2 | 2,825.08 | 1/2 | 2,462.52 | 1/2 | 2,099.88 |
| 3/4 | | 3/4 | | 3/4 | 4,992.18 | 3/4 | 4,630.08 | 3/4 | 4,267.57 | 3/4 | 3,905.06 | 3/4 | 3,542.55 | 3/4 | 3,180.04 | 3/4 | 2,817.53 | 3/4 | 2,454.97 | 3/4 | 2,092.32 |

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 TO THE TOP OF THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "NGL 3044"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "MOC 19"

GAUGE HEIGHT 15'-09"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 2,084.77 | 0 | 1,722.12 | 0 | 1,359.77 | 0 | 997.34 | 0 | 634.94 | 0 | 276.20 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 2,077.21 | 1/4 | 1,714.57 | 1/4 | 1,352.21 | 1/4 | 989.80 | 1/4 | 627.39 | 1/4 | 268.85 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,069.66 | 1/2 | 1,707.01 | 1/2 | 1,344.66 | 1/2 | 982.25 | 1/2 | 619.83 | 1/2 | 261.50 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,062.10 | 3/4 | 1,699.46 | 3/4 | 1,337.10 | 3/4 | 974.71 | 3/4 | 612.28 | 3/4 | 254.15 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 2,054.55 | 1 | 1,691.90 | 1 | 1,329.54 | 1 | 967.17 | 1 | 604.72 | 1 | 246.80 | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 2,046.99 | 1/4 | 1,684.35 | 1/4 | 1,321.99 | 1/4 | 959.62 | 1/4 | 597.17 | 1/4 | 239.45 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,039.44 | 1/2 | 1,676.79 | 1/2 | 1,314.43 | 1/2 | 952.08 | 1/2 | 589.61 | 1/2 | 232.10 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,031.88 | 3/4 | 1,669.24 | 3/4 | 1,306.88 | 3/4 | 944.54 | 3/4 | 582.05 | 3/4 | 224.75 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 2,024.33 | 2 | 1,661.68 | 2 | 1,299.32 | 2 | 936.99 | 2 | 574.50 | 2 | 217.41 | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 2,016.77 | 1/4 | 1,654.13 | 1/4 | 1,291.77 | 1/4 | 929.45 | 1/4 | 566.94 | 1/4 | 210.06 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,009.22 | 1/2 | 1,646.57 | 1/2 | 1,284.21 | 1/2 | 921.91 | 1/2 | 559.39 | 1/2 | 202.71 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,001.66 | 3/4 | 1,639.02 | 3/4 | 1,276.66 | 3/4 | 914.36 | 3/4 | 551.83 | 3/4 | 195.36 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 1,994.11 | 3 | 1,631.46 | 3 | 1,269.10 | 3 | 906.82 | 3 | 544.28 | 3 | 188.01 | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 1,986.55 | 1/4 | 1,623.91 | 1/4 | 1,261.55 | 1/4 | 899.28 | 1/4 | 536.72 | 1/4 | 180.52 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,979.00 | 1/2 | 1,616.35 | 1/2 | 1,253.99 | 1/2 | 891.73 | 1/2 | 529.16 | 1/2 | 173.03 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,971.44 | 3/4 | 1,608.80 | 3/4 | 1,246.44 | 3/4 | 884.19 | 3/4 | 521.61 | 3/4 | 165.54 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 1,963.89 | 4 | 1,601.24 | 4 | 1,238.88 | 4 | 876.65 | 4 | 514.05 | 4 | 158.05 | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 1,956.33 | 1/4 | 1,593.70 | 1/4 | 1,231.32 | 1/4 | 869.10 | 1/4 | 506.50 | 1/4 | 150.53 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,948.77 | 1/2 | 1,586.16 | 1/2 | 1,223.77 | 1/2 | 861.56 | 1/2 | 498.94 | 1/2 | 143.01 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,941.22 | 3/4 | 1,578.62 | 3/4 | 1,216.21 | 3/4 | 854.02 | 3/4 | 491.39 | 3/4 | 135.49 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 1,933.66 | 5 | 1,571.08 | 5 | 1,208.66 | 5 | 846.48 | 5 | 483.83 | 5 | 127.97 | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 1,926.11 | 1/4 | 1,563.54 | 1/4 | 1,201.10 | 1/4 | 838.92 | 1/4 | 476.27 | 1/4 | 120.47 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,918.55 | 1/2 | 1,556.00 | 1/2 | 1,193.55 | 1/2 | 831.37 | 1/2 | 468.72 | 1/2 | 112.98 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,911.00 | 3/4 | 1,548.47 | 3/4 | 1,185.99 | 3/4 | 823.82 | 3/4 | 461.16 | 3/4 | 105.48 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 1,903.44 | 6 | 1,540.93 | 6 | 1,178.44 | 6 | 816.27 | 6 | 453.61 | 6 | 97.99 | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 1,895.89 | 1/4 | 1,533.39 | 1/4 | 1,170.88 | 1/4 | 808.71 | 1/4 | 446.05 | 1/4 | 90.95 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,888.33 | 1/2 | 1,525.86 | 1/2 | 1,163.33 | 1/2 | 801.16 | 1/2 | 438.50 | 1/2 | 83.91 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,880.78 | 3/4 | 1,518.32 | 3/4 | 1,155.77 | 3/4 | 793.60 | 3/4 | 430.94 | 3/4 | 76.87 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 1,873.22 | 7 | 1,510.78 | 7 | 1,148.22 | 7 | 786.05 | 7 | 423.38 | 7 | 69.82 | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 1,865.67 | 1/4 | 1,503.25 | 1/4 | 1,140.67 | 1/4 | 778.49 | 1/4 | 415.98 | 1/4 | 63.88 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,858.11 | 1/2 | 1,495.71 | 1/2 | 1,133.12 | 1/2 | 770.94 | 1/2 | 408.58 | 1/2 | 57.93 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,850.56 | 3/4 | 1,488.17 | 3/4 | 1,125.58 | 3/4 | 763.38 | 3/4 | 401.18 | 3/4 | 51.98 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 1,843.00 | 8 | 1,480.64 | 8 | 1,118.03 | 8 | 755.83 | 8 | 393.78 | 8 | 46.03 | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 1,835.45 | 1/4 | 1,473.08 | 1/4 | 1,110.49 | 1/4 | 748.27 | 1/4 | 386.43 | 1/4 | 41.34 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,827.89 | 1/2 | 1,465.53 | 1/2 | 1,102.94 | 1/2 | 740.72 | 1/2 | 379.08 | 1/2 | 36.65 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,820.34 | 3/4 | 1,457.98 | 3/4 | 1,095.40 | 3/4 | 733.16 | 3/4 | 371.73 | 3/4 | 31.96 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 1,812.78 | 9 | 1,450.43 | 9 | 1,087.86 | 9 | 725.61 | 9 | 364.39 | 9 | 27.27 | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 1,805.23 | 1/4 | 1,442.88 | 1/4 | 1,080.31 | 1/4 | 718.05 | 1/4 | 357.04 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,797.67 | 1/2 | 1,435.32 | 1/2 | 1,072.77 | 1/2 | 710.50 | 1/2 | 349.69 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,790.12 | 3/4 | 1,427.76 | 3/4 | 1,065.23 | 3/4 | 702.94 | 3/4 | 342.34 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 1,782.56 | 10 | 1,420.21 | 10 | 1,057.68 | 10 | 695.39 | 10 | 334.99 | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 1,775.01 | 1/4 | 1,412.65 | 1/4 | 1,050.14 | 1/4 | 687.83 | 1/4 | 327.64 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,767.45 | 1/2 | 1,405.10 | 1/2 | 1,042.60 | 1/2 | 680.27 | 1/2 | 320.29 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,759.90 | 3/4 | 1,397.54 | 3/4 | 1,035.06 | 3/4 | 672.72 | 3/4 | 312.94 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 1,752.34 | 11 | 1,389.99 | 11 | 1,027.51 | 11 | 665.16 | 11 | 305.59 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 1,744.79 | 1/4 | 1,382.43 | 1/4 | 1,019.97 | 1/4 | 657.61 | 1/4 | 298.24 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,737.23 | 1/2 | 1,374.88 | 1/2 | 1,012.43 | 1/2 | 650.05 | 1/2 | 290.90 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,729.68 | 3/4 | 1,367.32 | 3/4 | 1,004.88 | 3/4 | 642.50 | 3/4 | 283.55 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/03/2013 CL -
CALCULATED: 01/03/2013 CL
NAME CHANGE: 07/14/17

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

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



BARGE "NGL 3044"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "MOC 19"

GAUGE HEIGHT 15'-09 1/2"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|-----|-------|----------|-------|----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0 | | 0 | | 0 | 4,998.57 | 0 | 4,636.46 | 0 | 4,273.82 | 0 | 3,911.18 | 0 | 3,548.54 | 0 | 3,185.90 | 0 | 2,823.26 | 0 | 2,460.62 |
| 1/4 | 1/4 | | 1/4 | | 4,991.05 | 1/4 | 4,628.91 | 1/4 | 4,266.27 | 1/4 | 3,903.63 | 1/4 | 3,540.99 | 1/4 | 3,178.35 | 1/4 | 2,815.71 | 1/4 | 2,453.07 |
| 1/2 | 1/2 | | 1/2 | | 4,983.52 | 1/2 | 4,621.35 | 1/2 | 4,258.71 | 1/2 | 3,896.07 | 1/2 | 3,533.43 | 1/2 | 3,170.79 | 1/2 | 2,808.15 | 1/2 | 2,445.51 |
| 3/4 | 3/4 | | 3/4 | | 4,976.00 | 3/4 | 4,613.80 | 3/4 | 4,251.16 | 3/4 | 3,888.52 | 3/4 | 3,525.88 | 3/4 | 3,163.24 | 3/4 | 2,800.60 | 3/4 | 2,437.96 |
| 1 | | 1 | | 1 | 4,968.47 | 1 | 4,606.24 | 1 | 4,243.60 | 1 | 3,880.96 | 1 | 3,518.32 | 1 | 3,155.68 | 1 | 2,793.04 | 1 | 2,430.40 |
| 1/4 | 1/4 | | 1/4 | | 4,960.94 | 1/4 | 4,598.69 | 1/4 | 4,236.05 | 1/4 | 3,873.41 | 1/4 | 3,510.77 | 1/4 | 3,148.13 | 1/4 | 2,785.49 | 1/4 | 2,422.85 |
| 1/2 | 1/2 | | 1/2 | | 4,953.42 | 1/2 | 4,591.13 | 1/2 | 4,228.49 | 1/2 | 3,865.85 | 1/2 | 3,503.21 | 1/2 | 3,140.57 | 1/2 | 2,777.93 | 1/2 | 2,415.29 |
| 3/4 | 3/4 | 5,288.90 | 3/4 | | 4,945.89 | 3/4 | 4,583.58 | 3/4 | 4,220.94 | 3/4 | 3,858.30 | 3/4 | 3,495.66 | 3/4 | 3,133.02 | 3/4 | 2,770.38 | 3/4 | 2,407.74 |
| 2 | | 2 | | 2 | 4,938.37 | 2 | 4,576.02 | 2 | 4,213.38 | 2 | 3,850.74 | 2 | 3,488.10 | 2 | 3,125.46 | 2 | 2,762.82 | 2 | 2,400.18 |
| 1/4 | 1/4 | | 1/4 | | 4,930.84 | 1/4 | 4,568.47 | 1/4 | 4,205.83 | 1/4 | 3,843.19 | 1/4 | 3,480.55 | 1/4 | 3,117.91 | 1/4 | 2,755.27 | 1/4 | 2,392.63 |
| 1/2 | 1/2 | | 1/2 | | 4,923.31 | 1/2 | 4,560.91 | 1/2 | 4,198.27 | 1/2 | 3,835.63 | 1/2 | 3,472.99 | 1/2 | 3,110.35 | 1/2 | 2,747.71 | 1/2 | 2,385.07 |
| 3/4 | 3/4 | | 3/4 | | 4,915.79 | 3/4 | 4,553.36 | 3/4 | 4,190.72 | 3/4 | 3,828.08 | 3/4 | 3,465.44 | 3/4 | 3,102.80 | 3/4 | 2,740.16 | 3/4 | 2,377.52 |
| 3 | | 3 | | 3 | 4,908.26 | 3 | 4,545.80 | 3 | 4,183.16 | 3 | 3,820.52 | 3 | 3,457.88 | 3 | 3,095.24 | 3 | 2,732.60 | 3 | 2,369.96 |
| 1/4 | 1/4 | | 1/4 | | 4,900.74 | 1/4 | 4,538.25 | 1/4 | 4,175.61 | 1/4 | 3,812.97 | 1/4 | 3,450.33 | 1/4 | 3,087.69 | 1/4 | 2,725.05 | 1/4 | 2,362.41 |
| 1/2 | 1/2 | | 1/2 | | 4,893.21 | 1/2 | 4,530.69 | 1/2 | 4,168.05 | 1/2 | 3,805.41 | 1/2 | 3,442.77 | 1/2 | 3,080.13 | 1/2 | 2,717.49 | 1/2 | 2,354.85 |
| 3/4 | 3/4 | | 3/4 | | 4,885.68 | 3/4 | 4,523.14 | 3/4 | 4,160.50 | 3/4 | 3,797.86 | 3/4 | 3,435.22 | 3/4 | 3,072.58 | 3/4 | 2,709.94 | 3/4 | 2,347.30 |
| 4 | | 4 | | 4 | 4,878.16 | 4 | 4,515.58 | 4 | 4,152.94 | 4 | 3,790.30 | 4 | 3,427.66 | 4 | 3,065.02 | 4 | 2,702.38 | 4 | 2,339.74 |
| 1/4 | 1/4 | | 1/4 | | 4,870.63 | 1/4 | 4,508.03 | 1/4 | 4,145.39 | 1/4 | 3,782.75 | 1/4 | 3,420.11 | 1/4 | 3,057.47 | 1/4 | 2,694.83 | 1/4 | 2,332.19 |
| 1/2 | 1/2 | | 1/2 | | 4,863.11 | 1/2 | 4,500.47 | 1/2 | 4,137.83 | 1/2 | 3,775.19 | 1/2 | 3,412.55 | 1/2 | 3,049.91 | 1/2 | 2,687.27 | 1/2 | 2,324.63 |
| 3/4 | 3/4 | | 3/4 | | 4,855.55 | 3/4 | 4,492.92 | 3/4 | 4,130.28 | 3/4 | 3,767.64 | 3/4 | 3,405.00 | 3/4 | 3,042.36 | 3/4 | 2,679.72 | 3/4 | 2,317.08 |
| 5 | | 5 | | 5 | 4,848.00 | 5 | 4,485.36 | 5 | 4,122.72 | 5 | 3,760.08 | 5 | 3,397.44 | 5 | 3,034.80 | 5 | 2,672.16 | 5 | 2,309.52 |
| 1/4 | 1/4 | | 1/4 | | 4,840.45 | 1/4 | 4,477.81 | 1/4 | 4,115.17 | 1/4 | 3,752.53 | 1/4 | 3,389.89 | 1/4 | 3,027.25 | 1/4 | 2,664.61 | 1/4 | 2,301.97 |
| 1/2 | 1/2 | | 1/2 | | 4,832.89 | 1/2 | 4,470.25 | 1/2 | 4,107.61 | 1/2 | 3,744.97 | 1/2 | 3,382.33 | 1/2 | 3,019.69 | 1/2 | 2,657.05 | 1/2 | 2,294.41 |
| 3/4 | 3/4 | | 3/4 | | 4,825.34 | 3/4 | 4,462.70 | 3/4 | 4,100.06 | 3/4 | 3,737.42 | 3/4 | 3,374.78 | 3/4 | 3,012.14 | 3/4 | 2,649.50 | 3/4 | 2,286.86 |
| 6 | | 6 | | 6 | 4,817.78 | 6 | 4,455.14 | 6 | 4,092.50 | 6 | 3,729.86 | 6 | 3,367.22 | 6 | 3,004.58 | 6 | 2,641.94 | 6 | 2,279.30 |
| 1/4 | 1/4 | | 1/4 | | 4,810.23 | 1/4 | 4,447.59 | 1/4 | 4,084.95 | 1/4 | 3,722.31 | 1/4 | 3,359.67 | 1/4 | 2,997.03 | 1/4 | 2,634.39 | 1/4 | 2,271.75 |
| 1/2 | 1/2 | | 1/2 | | 4,802.67 | 1/2 | 4,440.03 | 1/2 | 4,077.39 | 1/2 | 3,714.75 | 1/2 | 3,352.11 | 1/2 | 2,989.47 | 1/2 | 2,626.83 | 1/2 | 2,264.19 |
| 3/4 | 3/4 | | 3/4 | | 4,795.12 | 3/4 | 4,432.48 | 3/4 | 4,069.84 | 3/4 | 3,707.20 | 3/4 | 3,344.56 | 3/4 | 2,981.92 | 3/4 | 2,619.28 | 3/4 | 2,256.64 |
| 7 | | 7 | | 7 | 4,787.56 | 7 | 4,424.92 | 7 | 4,062.28 | 7 | 3,699.64 | 7 | 3,337.00 | 7 | 2,974.36 | 7 | 2,611.72 | 7 | 2,249.08 |
| 1/4 | 1/4 | | 1/4 | | 4,780.01 | 1/4 | 4,417.37 | 1/4 | 4,054.73 | 1/4 | 3,692.09 | 1/4 | 3,329.45 | 1/4 | 2,966.81 | 1/4 | 2,604.17 | 1/4 | 2,241.53 |
| 1/2 | 1/2 | | 1/2 | | 4,772.45 | 1/2 | 4,409.81 | 1/2 | 4,047.17 | 1/2 | 3,684.53 | 1/2 | 3,321.89 | 1/2 | 2,959.25 | 1/2 | 2,596.61 | 1/2 | 2,233.97 |
| 3/4 | 3/4 | | 3/4 | | 4,764.90 | 3/4 | 4,402.26 | 3/4 | 4,039.62 | 3/4 | 3,676.98 | 3/4 | 3,314.34 | 3/4 | 2,951.70 | 3/4 | 2,589.06 | 3/4 | 2,226.42 |
| 8 | | 8 | | 8 | 4,757.34 | 8 | 4,394.70 | 8 | 4,032.06 | 8 | 3,669.42 | 8 | 3,306.78 | 8 | 2,944.14 | 8 | 2,581.50 | 8 | 2,218.86 |
| 1/4 | 1/4 | | 1/4 | | 4,749.79 | 1/4 | 4,387.15 | 1/4 | 4,024.51 | 1/4 | 3,661.87 | 1/4 | 3,299.23 | 1/4 | 2,936.59 | 1/4 | 2,573.95 | 1/4 | 2,211.31 |
| 1/2 | 1/2 | | 1/2 | | 4,742.23 | 1/2 | 4,379.59 | 1/2 | 4,016.95 | 1/2 | 3,654.31 | 1/2 | 3,291.67 | 1/2 | 2,929.03 | 1/2 | 2,566.39 | 1/2 | 2,203.75 |
| 3/4 | 3/4 | | 3/4 | | 4,734.68 | 3/4 | 4,372.04 | 3/4 | 4,009.40 | 3/4 | 3,646.76 | 3/4 | 3,284.12 | 3/4 | 2,921.48 | 3/4 | 2,558.84 | 3/4 | 2,196.20 |
| 9 | | 9 | | 9 | 4,727.12 | 9 | 4,364.48 | 9 | 4,001.84 | 9 | 3,639.20 | 9 | 3,276.56 | 9 | 2,913.92 | 9 | 2,551.28 | 9 | 2,188.64 |
| 1/4 | 1/4 | | 1/4 | | 4,719.57 | 1/4 | 4,356.93 | 1/4 | 3,994.29 | 1/4 | 3,631.65 | 1/4 | 3,269.01 | 1/4 | 2,906.37 | 1/4 | 2,543.73 | 1/4 | 2,181.09 |
| 1/2 | 1/2 | | 1/2 | | 4,712.01 | 1/2 | 4,349.37 | 1/2 | 3,986.73 | 1/2 | 3,624.09 | 1/2 | 3,261.45 | 1/2 | 2,898.81 | 1/2 | 2,536.17 | 1/2 | 2,173.53 |
| 3/4 | 3/4 | | 3/4 | | 4,704.46 | 3/4 | 4,341.82 | 3/4 | 3,979.18 | 3/4 | 3,616.54 | 3/4 | 3,253.90 | 3/4 | 2,891.26 | 3/4 | 2,528.62 | 3/4 | 2,165.98 |
| 10 | | 10 | | 10 | 4,696.90 | 10 | 4,334.26 | 10 | 3,971.62 | 10 | 3,608.98 | 10 | 3,246.34 | 10 | 2,883.70 | 10 | 2,521.06 | 10 | 2,158.42 |
| 1/4 | 1/4 | | 1/4 | | 4,689.35 | 1/4 | 4,326.71 | 1/4 | 3,964.07 | 1/4 | 3,601.43 | 1/4 | 3,238.79 | 1/4 | 2,876.15 | 1/4 | 2,513.51 | 1/4 | 2,150.87 |
| 1/2 | 1/2 | | 1/2 | | 4,681.79 | 1/2 | 4,319.15 | 1/2 | 3,956.51 | 1/2 | 3,593.87 | 1/2 | 3,231.23 | 1/2 | 2,868.59 | 1/2 | 2,505.95 | 1/2 | 2,143.31 |
| 3/4 | 3/4 | | 3/4 | | 4,674.24 | 3/4 | 4,311.60 | 3/4 | 3,948.96 | 3/4 | 3,586.32 | 3/4 | 3,223.68 | 3/4 | 2,861.04 | 3/4 | 2,498.40 | 3/4 | 2,135.76 |
| 11 | | 11 | | 11 | 4,666.68 | 11 | 4,304.04 | 11 | 3,941.40 | 11 | 3,578.76 | 11 | 3,216.12 | 11 | 2,853.48 | 11 | 2,490.84 | 11 | 2,128.20 |
| 1/4 | 1/4 | | 1/4 | | 4,659.13 | 1/4 | 4,296.49 | 1/4 | 3,933.85 | 1/4 | 3,571.21 | 1/4 | 3,208.57 | 1/4 | 2,845.93 | 1/4 | 2,483.29 | 1/4 | 2,120.65 |
| 1/2 | 1/2 | | 1/2 | | 4,651.57 | 1/2 | 4,288.93 | 1/2 | 3,926.29 | 1/2 | 3,563.65 | 1/2 | 3,201.01 | 1/2 | 2,838.37 | 1/2 | 2,475.73 | 1/2 | 2,113.09 |
| 3/4 | 3/4 | | 3/4 | | 4,644.02 | 3/4 | 4,281.38 | 3/4 | 3,918.74 | 3/4 | 3,556.10 | 3/4 | 3,193.46 | 3/4 | 2,830.82 | 3/4 | 2,468.18 | 3/4 | 2,105.54 |

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 TO THE TOP OF THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77588
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BARGE "NGL 3044"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "MOC 19"

GAUGE HEIGHT 15'-09 1/2"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 2,097.98 | 0 | 1,735.34 | 0 | 1,372.99 | 0 | 1,011.05 | 0 | 650.06 | 0 | 290.90 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 2,090.43 | 1/4 | 1,727.79 | 1/4 | 1,365.43 | 1/4 | 1,003.55 | 1/4 | 642.50 | 1/4 | 283.55 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,082.87 | 1/2 | 1,720.23 | 1/2 | 1,357.88 | 1/2 | 996.04 | 1/2 | 634.95 | 1/2 | 276.20 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,075.32 | 3/4 | 1,712.68 | 3/4 | 1,350.32 | 3/4 | 988.54 | 3/4 | 627.39 | 3/4 | 268.85 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 2,067.76 | 1 | 1,705.12 | 1 | 1,342.77 | 1 | 981.04 | 1 | 619.83 | 1 | 261.50 | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 2,060.21 | 1/4 | 1,697.57 | 1/4 | 1,335.21 | 1/4 | 973.53 | 1/4 | 612.28 | 1/4 | 254.15 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,052.65 | 1/2 | 1,690.01 | 1/2 | 1,327.66 | 1/2 | 966.03 | 1/2 | 604.72 | 1/2 | 246.80 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,045.10 | 3/4 | 1,682.46 | 3/4 | 1,320.10 | 3/4 | 958.52 | 3/4 | 597.17 | 3/4 | 239.45 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 2,037.54 | 2 | 1,674.90 | 2 | 1,312.55 | 2 | 951.02 | 2 | 589.61 | 2 | 232.11 | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 2,029.99 | 1/4 | 1,667.35 | 1/4 | 1,304.99 | 1/4 | 943.52 | 1/4 | 582.06 | 1/4 | 224.76 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,022.43 | 1/2 | 1,659.79 | 1/2 | 1,297.43 | 1/2 | 936.01 | 1/2 | 574.50 | 1/2 | 217.41 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,014.88 | 3/4 | 1,652.24 | 3/4 | 1,289.88 | 3/4 | 928.51 | 3/4 | 566.95 | 3/4 | 210.06 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 2,007.32 | 3 | 1,644.68 | 3 | 1,282.32 | 3 | 921.00 | 3 | 559.39 | 3 | 202.71 | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 1,999.77 | 1/4 | 1,637.13 | 1/4 | 1,274.77 | 1/4 | 913.50 | 1/4 | 551.83 | 1/4 | 195.36 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,992.21 | 1/2 | 1,629.57 | 1/2 | 1,267.21 | 1/2 | 906.00 | 1/2 | 544.28 | 1/2 | 188.01 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,984.66 | 3/4 | 1,622.02 | 3/4 | 1,259.66 | 3/4 | 898.49 | 3/4 | 536.72 | 3/4 | 180.52 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 1,977.10 | 4 | 1,614.46 | 4 | 1,252.10 | 4 | 890.99 | 4 | 529.17 | 4 | 173.03 | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 1,969.55 | 1/4 | 1,606.91 | 1/4 | 1,244.55 | 1/4 | 883.49 | 1/4 | 521.61 | 1/4 | 165.54 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,961.99 | 1/2 | 1,599.35 | 1/2 | 1,236.99 | 1/2 | 875.98 | 1/2 | 514.06 | 1/2 | 158.05 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,954.44 | 3/4 | 1,591.81 | 3/4 | 1,229.44 | 3/4 | 868.48 | 3/4 | 506.50 | 3/4 | 150.53 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 1,946.88 | 5 | 1,584.27 | 5 | 1,221.88 | 5 | 860.97 | 5 | 498.94 | 5 | 143.01 | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 1,939.33 | 1/4 | 1,576.73 | 1/4 | 1,214.33 | 1/4 | 853.47 | 1/4 | 491.39 | 1/4 | 135.49 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,931.77 | 1/2 | 1,569.19 | 1/2 | 1,206.77 | 1/2 | 845.97 | 1/2 | 483.83 | 1/2 | 127.97 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,924.22 | 3/4 | 1,561.65 | 3/4 | 1,199.21 | 3/4 | 838.45 | 3/4 | 476.28 | 3/4 | 120.47 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 1,916.66 | 6 | 1,554.11 | 6 | 1,191.66 | 6 | 830.94 | 6 | 468.72 | 6 | 112.98 | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 1,909.11 | 1/4 | 1,546.58 | 1/4 | 1,184.10 | 1/4 | 823.43 | 1/4 | 461.17 | 1/4 | 105.48 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,901.55 | 1/2 | 1,539.04 | 1/2 | 1,176.55 | 1/2 | 815.92 | 1/2 | 453.61 | 1/2 | 97.99 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,894.00 | 3/4 | 1,531.50 | 3/4 | 1,168.99 | 3/4 | 808.40 | 3/4 | 446.06 | 3/4 | 90.95 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 1,886.44 | 7 | 1,523.97 | 7 | 1,161.44 | 7 | 800.88 | 7 | 438.50 | 7 | 83.91 | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 1,878.89 | 1/4 | 1,516.43 | 1/4 | 1,153.88 | 1/4 | 793.37 | 1/4 | 430.94 | 1/4 | 76.87 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,871.33 | 1/2 | 1,508.89 | 1/2 | 1,146.33 | 1/2 | 785.85 | 1/2 | 423.39 | 1/2 | 69.82 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,863.78 | 3/4 | 1,501.36 | 3/4 | 1,138.78 | 3/4 | 778.34 | 3/4 | 415.99 | 3/4 | 63.88 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 1,856.22 | 8 | 1,493.82 | 8 | 1,131.23 | 8 | 770.82 | 8 | 408.59 | 8 | 57.93 | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 1,848.67 | 1/4 | 1,486.28 | 1/4 | 1,123.69 | 1/4 | 763.31 | 1/4 | 401.19 | 1/4 | 51.98 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,841.11 | 1/2 | 1,478.75 | 1/2 | 1,116.14 | 1/2 | 755.79 | 1/2 | 393.79 | 1/2 | 46.03 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,833.56 | 3/4 | 1,471.20 | 3/4 | 1,108.63 | 3/4 | 748.24 | 3/4 | 386.44 | 3/4 | 41.34 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 1,826.00 | 9 | 1,463.65 | 9 | 1,101.12 | 9 | 740.70 | 9 | 379.09 | 9 | 36.65 | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 1,818.45 | 1/4 | 1,456.09 | 1/4 | 1,093.60 | 1/4 | 733.15 | 1/4 | 371.74 | 1/4 | 31.96 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,810.89 | 1/2 | 1,448.54 | 1/2 | 1,086.09 | 1/2 | 725.61 | 1/2 | 364.39 | 1/2 | 27.27 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,803.34 | 3/4 | 1,440.99 | 3/4 | 1,078.58 | 3/4 | 718.05 | 3/4 | 357.04 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 1,795.78 | 10 | 1,433.43 | 10 | 1,071.08 | 10 | 710.50 | 10 | 349.69 | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 1,788.23 | 1/4 | 1,425.88 | 1/4 | 1,063.58 | 1/4 | 702.94 | 1/4 | 342.34 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,780.67 | 1/2 | 1,418.32 | 1/2 | 1,056.07 | 1/2 | 695.39 | 1/2 | 334.99 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,773.12 | 3/4 | 1,410.77 | 3/4 | 1,048.57 | 3/4 | 687.83 | 3/4 | 327.64 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 1,765.56 | 11 | 1,403.21 | 11 | 1,041.07 | 11 | 680.28 | 11 | 320.29 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 1,758.01 | 1/4 | 1,395.65 | 1/4 | 1,033.56 | 1/4 | 672.72 | 1/4 | 312.95 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,750.45 | 1/2 | 1,388.10 | 1/2 | 1,026.06 | 1/2 | 665.17 | 1/2 | 305.60 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,742.90 | 3/4 | 1,380.54 | 3/4 | 1,018.55 | 3/4 | 657.61 | 3/4 | 298.25 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/03/2013 CL -
CALCULATED: 01/03/2013 CL
NAME CHANGE: 07/14/17

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

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



BARGE "NGL 3044"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "MOC 19"

GAUGE HEIGHT 15'-09 1/2"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|-----|-------|-----|-------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0 | | 0 | | 0 | 4,985.67 | 0 | 4,624.47 | 0 | 4,262.86 | 0 | 3,901.25 | 0 | 3,539.64 | 0 | 3,178.02 | 0 | 2,816.41 | 0 | 2,454.74 |
| 1/4 | | 1/4 | | 1/4 | 4,978.16 | 1/4 | 4,616.94 | 1/4 | 4,255.33 | 1/4 | 3,893.72 | 1/4 | 3,532.10 | 1/4 | 3,170.49 | 1/4 | 2,808.88 | 1/4 | 2,447.20 |
| 1/2 | | 1/2 | | 1/2 | 4,970.65 | 1/2 | 4,609.41 | 1/2 | 4,247.79 | 1/2 | 3,886.18 | 1/2 | 3,524.57 | 1/2 | 3,162.96 | 1/2 | 2,801.34 | 1/2 | 2,439.66 |
| 3/4 | | 3/4 | | 3/4 | 4,963.15 | 3/4 | 4,601.87 | 3/4 | 4,240.26 | 3/4 | 3,878.65 | 3/4 | 3,517.04 | 3/4 | 3,155.42 | 3/4 | 2,793.81 | 3/4 | 2,432.13 |
| 1 | | 1 | | 1 | 4,955.64 | 1 | 4,594.34 | 1 | 4,232.73 | 1 | 3,871.11 | 1 | 3,509.50 | 1 | 3,147.89 | 1 | 2,786.28 | 1 | 2,424.59 |
| 1/4 | | 1/4 | | 1/4 | 4,948.13 | 1/4 | 4,586.81 | 1/4 | 4,225.19 | 1/4 | 3,863.58 | 1/4 | 3,501.97 | 1/4 | 3,140.36 | 1/4 | 2,778.74 | 1/4 | 2,417.05 |
| 1/2 | | 1/2 | | 1/2 | 4,940.63 | 1/2 | 4,579.27 | 1/2 | 4,217.66 | 1/2 | 3,856.05 | 1/2 | 3,494.43 | 1/2 | 3,132.82 | 1/2 | 2,771.21 | 1/2 | 2,409.52 |
| 3/4 | | 3/4 | | 3/4 | 5,275.27 | 3/4 | 4,933.12 | 3/4 | 4,571.74 | 3/4 | 4,210.13 | 3/4 | 3,848.51 | 3/4 | 3,486.90 | 3/4 | 3,125.29 | 3/4 | 2,763.68 |
| 2 | | 2 | | 2 | 5,270.64 | 2 | 4,925.61 | 2 | 4,564.21 | 2 | 4,202.59 | 2 | 3,840.98 | 2 | 3,479.37 | 2 | 3,117.75 | 2 | 2,756.14 |
| 1/4 | | 1/4 | | 1/4 | 5,266.00 | 1/4 | 4,918.10 | 1/4 | 4,556.67 | 1/4 | 4,195.06 | 1/4 | 3,833.45 | 1/4 | 3,471.83 | 1/4 | 3,110.22 | 1/4 | 2,748.61 |
| 1/2 | | 1/2 | | 1/2 | 5,261.37 | 1/2 | 4,910.60 | 1/2 | 4,549.14 | 1/2 | 4,187.53 | 1/2 | 3,825.91 | 1/2 | 3,464.30 | 1/2 | 3,102.69 | 1/2 | 2,741.07 |
| 3/4 | | 3/4 | | 3/4 | 5,255.48 | 3/4 | 4,903.09 | 3/4 | 4,541.60 | 3/4 | 4,179.99 | 3/4 | 3,818.38 | 3/4 | 3,456.77 | 3/4 | 3,095.15 | 3/4 | 2,733.54 |
| 3 | | 3 | | 3 | 5,249.59 | 3 | 4,895.58 | 3 | 4,534.07 | 3 | 4,172.46 | 3 | 3,810.85 | 3 | 3,449.23 | 3 | 3,087.62 | 3 | 2,726.01 |
| 1/4 | | 1/4 | | 1/4 | 5,243.70 | 1/4 | 4,888.07 | 1/4 | 4,526.54 | 1/4 | 4,164.92 | 1/4 | 3,803.31 | 1/4 | 3,441.70 | 1/4 | 3,080.09 | 1/4 | 2,718.47 |
| 1/2 | | 1/2 | | 1/2 | 5,237.82 | 1/2 | 4,880.57 | 1/2 | 4,519.00 | 1/2 | 4,157.39 | 1/2 | 3,795.78 | 1/2 | 3,434.17 | 1/2 | 3,072.55 | 1/2 | 2,710.94 |
| 3/4 | | 3/4 | | 3/4 | 5,230.81 | 3/4 | 4,873.06 | 3/4 | 4,511.47 | 3/4 | 4,149.86 | 3/4 | 3,788.24 | 3/4 | 3,426.63 | 3/4 | 3,065.02 | 3/4 | 2,703.41 |
| 4 | | 4 | | 4 | 5,223.80 | 4 | 4,865.55 | 4 | 4,503.94 | 4 | 4,142.32 | 4 | 3,780.71 | 4 | 3,419.10 | 4 | 3,057.49 | 4 | 2,695.87 |
| 1/4 | | 1/4 | | 1/4 | 5,216.79 | 1/4 | 4,858.04 | 1/4 | 4,496.40 | 1/4 | 4,134.79 | 1/4 | 3,773.18 | 1/4 | 3,411.56 | 1/4 | 3,049.95 | 1/4 | 2,688.34 |
| 1/2 | | 1/2 | | 1/2 | 5,209.78 | 1/2 | 4,850.54 | 1/2 | 4,488.87 | 1/2 | 4,127.26 | 1/2 | 3,765.64 | 1/2 | 3,404.03 | 1/2 | 3,042.42 | 1/2 | 2,680.81 |
| 3/4 | | 3/4 | | 3/4 | 5,202.38 | 3/4 | 4,843.01 | 3/4 | 4,481.34 | 3/4 | 4,119.72 | 3/4 | 3,758.11 | 3/4 | 3,396.50 | 3/4 | 3,034.88 | 3/4 | 2,673.27 |
| 5 | | 5 | | 5 | 5,194.98 | 5 | 4,835.48 | 5 | 4,473.80 | 5 | 4,112.19 | 5 | 3,750.58 | 5 | 3,388.96 | 5 | 3,027.35 | 5 | 2,665.74 |
| 1/4 | | 1/4 | | 1/4 | 5,187.58 | 1/4 | 4,827.95 | 1/4 | 4,466.27 | 1/4 | 4,104.66 | 1/4 | 3,743.04 | 1/4 | 3,381.43 | 1/4 | 3,019.82 | 1/4 | 2,658.20 |
| 1/2 | | 1/2 | | 1/2 | 5,180.18 | 1/2 | 4,820.42 | 1/2 | 4,458.74 | 1/2 | 4,097.12 | 1/2 | 3,735.51 | 1/2 | 3,373.90 | 1/2 | 3,012.28 | 1/2 | 2,650.67 |
| 3/4 | | 3/4 | | 3/4 | 5,172.73 | 3/4 | 4,812.88 | 3/4 | 4,451.20 | 3/4 | 4,089.59 | 3/4 | 3,727.98 | 3/4 | 3,366.36 | 3/4 | 3,004.75 | 3/4 | 2,643.14 |
| 6 | | 6 | | 6 | 5,165.28 | 6 | 4,805.35 | 6 | 4,443.67 | 6 | 4,082.06 | 6 | 3,720.44 | 6 | 3,358.83 | 6 | 2,997.22 | 6 | 2,635.60 |
| 1/4 | | 1/4 | | 1/4 | 5,157.83 | 1/4 | 4,797.81 | 1/4 | 4,436.13 | 1/4 | 4,074.52 | 1/4 | 3,712.91 | 1/4 | 3,351.30 | 1/4 | 2,989.68 | 1/4 | 2,628.07 |
| 1/2 | | 1/2 | | 1/2 | 5,150.38 | 1/2 | 4,790.27 | 1/2 | 4,428.60 | 1/2 | 4,066.99 | 1/2 | 3,705.38 | 1/2 | 3,343.76 | 1/2 | 2,982.15 | 1/2 | 2,620.54 |
| 3/4 | | 3/4 | | 3/4 | 5,142.92 | 3/4 | 4,782.74 | 3/4 | 4,421.07 | 3/4 | 4,059.45 | 3/4 | 3,697.84 | 3/4 | 3,336.23 | 3/4 | 2,974.62 | 3/4 | 2,613.00 |
| 7 | | 7 | | 7 | 5,135.47 | 7 | 4,775.20 | 7 | 4,413.53 | 7 | 4,051.92 | 7 | 3,690.31 | 7 | 3,328.70 | 7 | 2,967.08 | 7 | 2,605.46 |
| 1/4 | | 1/4 | | 1/4 | 5,128.01 | 1/4 | 4,767.67 | 1/4 | 4,406.00 | 1/4 | 4,044.39 | 1/4 | 3,682.77 | 1/4 | 3,321.16 | 1/4 | 2,959.55 | 1/4 | 2,597.93 |
| 1/2 | | 1/2 | | 1/2 | 5,120.55 | 1/2 | 4,760.13 | 1/2 | 4,398.47 | 1/2 | 4,036.85 | 1/2 | 3,675.24 | 1/2 | 3,313.63 | 1/2 | 2,952.02 | 1/2 | 2,590.39 |
| 3/4 | | 3/4 | | 3/4 | 5,113.09 | 3/4 | 4,752.59 | 3/4 | 4,390.93 | 3/4 | 4,029.32 | 3/4 | 3,667.71 | 3/4 | 3,306.09 | 3/4 | 2,944.48 | 3/4 | 2,582.85 |
| 8 | | 8 | | 8 | 5,105.64 | 8 | 4,745.06 | 8 | 4,383.40 | 8 | 4,021.79 | 8 | 3,660.17 | 8 | 3,298.56 | 8 | 2,936.95 | 8 | 2,575.32 |
| 1/4 | | 1/4 | | 1/4 | 5,098.18 | 1/4 | 4,737.52 | 1/4 | 4,375.87 | 1/4 | 4,014.25 | 1/4 | 3,652.64 | 1/4 | 3,291.03 | 1/4 | 2,929.41 | 1/4 | 2,567.78 |
| 1/2 | | 1/2 | | 1/2 | 5,090.72 | 1/2 | 4,729.98 | 1/2 | 4,368.33 | 1/2 | 4,006.72 | 1/2 | 3,645.11 | 1/2 | 3,283.49 | 1/2 | 2,921.88 | 1/2 | 2,560.24 |
| 3/4 | | 3/4 | | 3/4 | 5,083.23 | 3/4 | 4,722.45 | 3/4 | 4,360.80 | 3/4 | 3,999.19 | 3/4 | 3,637.57 | 3/4 | 3,275.96 | 3/4 | 2,914.35 | 3/4 | 2,552.71 |
| 9 | | 9 | | 9 | 5,075.73 | 9 | 4,714.91 | 9 | 4,353.26 | 9 | 3,991.65 | 9 | 3,630.04 | 9 | 3,268.43 | 9 | 2,906.81 | 9 | 2,545.17 |
| 1/4 | | 1/4 | | 1/4 | 5,068.24 | 1/4 | 4,707.37 | 1/4 | 4,345.73 | 1/4 | 3,984.12 | 1/4 | 3,622.51 | 1/4 | 3,260.89 | 1/4 | 2,899.28 | 1/4 | 2,537.64 |
| 1/2 | | 1/2 | | 1/2 | 5,060.74 | 1/2 | 4,699.84 | 1/2 | 4,338.20 | 1/2 | 3,976.58 | 1/2 | 3,614.97 | 1/2 | 3,253.36 | 1/2 | 2,891.75 | 1/2 | 2,530.10 |
| 3/4 | | 3/4 | | 3/4 | 5,053.23 | 3/4 | 4,692.30 | 3/4 | 4,330.66 | 3/4 | 3,969.05 | 3/4 | 3,607.44 | 3/4 | 3,245.83 | 3/4 | 2,884.21 | 3/4 | 2,522.56 |
| 10 | | 10 | | 10 | 5,045.73 | 10 | 4,684.77 | 10 | 4,323.13 | 10 | 3,961.52 | 10 | 3,599.90 | 10 | 3,238.29 | 10 | 2,876.68 | 10 | 2,515.03 |
| 1/4 | | 1/4 | | 1/4 | 5,038.22 | 1/4 | 4,677.23 | 1/4 | 4,315.60 | 1/4 | 3,953.98 | 1/4 | 3,592.37 | 1/4 | 3,230.76 | 1/4 | 2,869.15 | 1/4 | 2,507.49 |
| 1/2 | | 1/2 | | 1/2 | 5,030.71 | 1/2 | 4,669.69 | 1/2 | 4,308.06 | 1/2 | 3,946.45 | 1/2 | 3,584.84 | 1/2 | 3,223.22 | 1/2 | 2,861.61 | 1/2 | 2,499.95 |
| 3/4 | | 3/4 | | 3/4 | 5,023.21 | 3/4 | 4,662.15 | 3/4 | 4,300.53 | 3/4 | 3,938.92 | 3/4 | 3,577.30 | 3/4 | 3,215.69 | 3/4 | 2,854.08 | 3/4 | 2,492.42 |
| 11 | | 11 | | 11 | 5,015.70 | 11 | 4,654.62 | 11 | 4,293.00 | 11 | 3,931.38 | 11 | 3,569.77 | 11 | 3,208.16 | 11 | 2,846.54 | 11 | 2,484.88 |
| 1/4 | | 1/4 | | 1/4 | 5,008.19 | 1/4 | 4,647.08 | 1/4 | 4,285.46 | 1/4 | 3,923.85 | 1/4 | 3,562.24 | 1/4 | 3,200.62 | 1/4 | 2,839.01 | 1/4 | 2,477.34 |
| 1/2 | | 1/2 | | 1/2 | 5,000.68 | 1/2 | 4,639.54 | 1/2 | 4,277.93 | 1/2 | 3,916.32 | 1/2 | 3,554.70 | 1/2 | 3,193.09 | 1/2 | 2,831.48 | 1/2 | 2,469.81 |
| 3/4 | | 3/4 | | 3/4 | 4,993.18 | 3/4 | 4,632.01 | 3/4 | 4,270.40 | 3/4 | 3,908.78 | 3/4 | 3,547.17 | 3/4 | 3,185.56 | 3/4 | 2,823.94 | 3/4 | 2,462.27 |

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 TO THE TOP OF THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "NGL 3044"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "MOC 19"

GAUGE HEIGHT 15'-09 1/2"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 2,092.99 | 0 | 1,731.24 | 0 | 1,371.39 | 0 | 1,009.85 | 0 | 648.39 | 0 | 290.15 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 2,085.45 | 1/4 | 1,723.70 | 1/4 | 1,363.86 | 1/4 | 1,002.33 | 1/4 | 640.86 | 1/4 | 282.82 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,077.92 | 1/2 | 1,716.17 | 1/2 | 1,356.32 | 1/2 | 994.80 | 1/2 | 633.32 | 1/2 | 275.49 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,070.38 | 3/4 | 1,708.63 | 3/4 | 1,348.78 | 3/4 | 987.28 | 3/4 | 625.78 | 3/4 | 268.16 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 2,062.84 | 1 | 1,701.10 | 1 | 1,341.25 | 1 | 979.76 | 1 | 618.25 | 1 | 260.83 | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 2,055.31 | 1/4 | 1,693.56 | 1/4 | 1,333.71 | 1/4 | 972.23 | 1/4 | 610.71 | 1/4 | 253.50 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,047.77 | 1/2 | 1,686.02 | 1/2 | 1,326.17 | 1/2 | 964.71 | 1/2 | 603.17 | 1/2 | 246.17 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,040.23 | 3/4 | 1,678.49 | 3/4 | 1,318.64 | 3/4 | 957.18 | 3/4 | 595.64 | 3/4 | 238.84 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 2,032.70 | 2 | 1,670.95 | 2 | 1,311.10 | 2 | 949.66 | 2 | 588.10 | 2 | 231.51 | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 2,025.16 | 1/4 | 1,663.41 | 1/4 | 1,303.56 | 1/4 | 942.13 | 1/4 | 580.56 | 1/4 | 224.18 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,017.62 | 1/2 | 1,655.88 | 1/2 | 1,296.03 | 1/2 | 934.61 | 1/2 | 573.03 | 1/2 | 216.85 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,010.09 | 3/4 | 1,648.34 | 3/4 | 1,288.49 | 3/4 | 927.09 | 3/4 | 565.49 | 3/4 | 209.52 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 2,002.55 | 3 | 1,640.80 | 3 | 1,280.96 | 3 | 919.56 | 3 | 557.96 | 3 | 202.19 | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 1,995.01 | 1/4 | 1,633.27 | 1/4 | 1,273.42 | 1/4 | 912.04 | 1/4 | 550.42 | 1/4 | 194.86 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,987.48 | 1/2 | 1,625.73 | 1/2 | 1,265.88 | 1/2 | 904.51 | 1/2 | 542.88 | 1/2 | 187.53 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,979.94 | 3/4 | 1,618.19 | 3/4 | 1,258.35 | 3/4 | 896.99 | 3/4 | 535.35 | 3/4 | 180.06 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 1,972.41 | 4 | 1,610.66 | 4 | 1,250.81 | 4 | 889.47 | 4 | 527.81 | 4 | 172.59 | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 1,964.87 | 1/4 | 1,603.12 | 1/4 | 1,243.27 | 1/4 | 881.94 | 1/4 | 520.27 | 1/4 | 165.12 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,957.33 | 1/2 | 1,595.59 | 1/2 | 1,235.74 | 1/2 | 874.42 | 1/2 | 512.74 | 1/2 | 157.65 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,949.80 | 3/4 | 1,588.14 | 3/4 | 1,228.20 | 3/4 | 866.89 | 3/4 | 505.20 | 3/4 | 150.15 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 1,942.26 | 5 | 1,580.69 | 5 | 1,220.66 | 5 | 859.37 | 5 | 497.66 | 5 | 142.64 | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 1,934.72 | 1/4 | 1,573.24 | 1/4 | 1,213.13 | 1/4 | 851.85 | 1/4 | 490.13 | 1/4 | 135.14 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,927.19 | 1/2 | 1,565.80 | 1/2 | 1,205.59 | 1/2 | 844.32 | 1/2 | 482.59 | 1/2 | 127.64 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,919.65 | 3/4 | 1,558.38 | 3/4 | 1,198.05 | 3/4 | 836.79 | 3/4 | 475.05 | 3/4 | 120.17 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 1,912.11 | 6 | 1,550.96 | 6 | 1,190.52 | 6 | 829.25 | 6 | 467.52 | 6 | 112.69 | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 1,904.58 | 1/4 | 1,543.54 | 1/4 | 1,182.98 | 1/4 | 821.72 | 1/4 | 459.98 | 1/4 | 105.22 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,897.04 | 1/2 | 1,536.13 | 1/2 | 1,175.45 | 1/2 | 814.19 | 1/2 | 452.44 | 1/2 | 97.74 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,889.51 | 3/4 | 1,528.71 | 3/4 | 1,167.91 | 3/4 | 806.65 | 3/4 | 444.91 | 3/4 | 90.22 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 1,881.97 | 7 | 1,521.29 | 7 | 1,160.37 | 7 | 799.12 | 7 | 437.37 | 7 | 83.69 | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 1,874.43 | 1/4 | 1,513.87 | 1/4 | 1,152.84 | 1/4 | 791.58 | 1/4 | 429.83 | 1/4 | 76.67 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,866.90 | 1/2 | 1,506.45 | 1/2 | 1,145.30 | 1/2 | 784.04 | 1/2 | 422.30 | 1/2 | 69.65 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,859.36 | 3/4 | 1,499.04 | 3/4 | 1,137.77 | 3/4 | 776.51 | 3/4 | 414.91 | 3/4 | 63.71 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 1,851.82 | 8 | 1,491.62 | 8 | 1,130.24 | 8 | 768.97 | 8 | 407.53 | 8 | 57.78 | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 1,844.29 | 1/4 | 1,484.20 | 1/4 | 1,122.72 | 1/4 | 761.44 | 1/4 | 400.15 | 1/4 | 51.85 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,836.75 | 1/2 | 1,476.78 | 1/2 | 1,115.19 | 1/2 | 753.90 | 1/2 | 392.77 | 1/2 | 45.91 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,829.21 | 3/4 | 1,469.28 | 3/4 | 1,107.67 | 3/4 | 746.36 | 3/4 | 385.44 | 3/4 | 41.24 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 1,821.68 | 9 | 1,461.77 | 9 | 1,100.14 | 9 | 738.83 | 9 | 378.11 | 9 | 36.56 | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 1,814.14 | 1/4 | 1,454.26 | 1/4 | 1,092.62 | 1/4 | 731.29 | 1/4 | 370.78 | 1/4 | 31.88 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,806.60 | 1/2 | 1,446.76 | 1/2 | 1,085.09 | 1/2 | 723.76 | 1/2 | 363.45 | 1/2 | 27.21 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,799.07 | 3/4 | 1,439.22 | 3/4 | 1,077.57 | 3/4 | 716.22 | 3/4 | 356.12 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 1,791.53 | 10 | 1,431.68 | 10 | 1,070.04 | 10 | 708.68 | 10 | 348.79 | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 1,784.00 | 1/4 | 1,424.15 | 1/4 | 1,062.52 | 1/4 | 701.15 | 1/4 | 341.46 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,776.46 | 1/2 | 1,416.61 | 1/2 | 1,055.00 | 1/2 | 693.61 | 1/2 | 334.13 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,768.92 | 3/4 | 1,409.07 | 3/4 | 1,047.47 | 3/4 | 686.07 | 3/4 | 326.80 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 1,761.39 | 11 | 1,401.54 | 11 | 1,039.95 | 11 | 678.54 | 11 | 319.47 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 1,753.85 | 1/4 | 1,394.00 | 1/4 | 1,032.42 | 1/4 | 671.00 | 1/4 | 312.14 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,746.31 | 1/2 | 1,386.46 | 1/2 | 1,024.90 | 1/2 | 663.47 | 1/2 | 304.81 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,738.78 | 3/4 | 1,378.93 | 3/4 | 1,017.38 | 3/4 | 655.93 | 3/4 | 297.48 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/03/2013 CL -
CALCULATED: 01/03/2013 CL
NAME CHANGE: 07/14/17

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

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



BARGE "NGL 3044"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "MOC 19"

GAUGE HEIGHT 15'-09 1/2"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|-----|-------|-----|-------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0 | | 0 | | 0 | 4,969.12 | 0 | 4,607.89 | 0 | 4,246.23 | 0 | 3,884.57 | 0 | 3,522.92 | 0 | 3,161.26 | 0 | 2,799.61 | 0 | 2,437.89 |
| 1/4 | | 1/4 | | 1/4 | 4,961.62 | 1/4 | 4,600.35 | 1/4 | 4,238.70 | 1/4 | 3,877.04 | 1/4 | 3,515.38 | 1/4 | 3,153.73 | 1/4 | 2,792.07 | 1/4 | 2,430.35 |
| 1/2 | | 1/2 | | 1/2 | 4,954.11 | 1/2 | 4,592.82 | 1/2 | 4,231.16 | 1/2 | 3,869.51 | 1/2 | 3,507.85 | 1/2 | 3,146.19 | 1/2 | 2,784.54 | 1/2 | 2,422.81 |
| 3/4 | | 3/4 | | 3/4 | 4,946.60 | 3/4 | 4,585.28 | 3/4 | 4,223.63 | 3/4 | 3,861.97 | 3/4 | 3,500.32 | 3/4 | 3,138.66 | 3/4 | 2,777.00 | 3/4 | 2,415.28 |
| 1 | | 1 | | 1 | 4,939.09 | 1 | 4,577.75 | 1 | 4,216.09 | 1 | 3,854.44 | 1 | 3,492.78 | 1 | 3,131.12 | 1 | 2,769.47 | 1 | 2,407.74 |
| 1/4 | | 1/4 | | 1/4 | 4,931.58 | 1/4 | 4,570.21 | 1/4 | 4,208.56 | 1/4 | 3,846.90 | 1/4 | 3,485.25 | 1/4 | 3,123.59 | 1/4 | 2,761.93 | 1/4 | 2,400.20 |
| 1/2 | | 1/2 | | 1/2 | 4,924.08 | 1/2 | 4,562.68 | 1/2 | 4,201.02 | 1/2 | 3,839.37 | 1/2 | 3,477.71 | 1/2 | 3,116.06 | 1/2 | 2,754.40 | 1/2 | 2,392.66 |
| 3/4 | | 3/4 | | 3/4 | 5,258.76 | 3/4 | 4,916.57 | 3/4 | 4,555.15 | 3/4 | 4,193.49 | 3/4 | 3,831.83 | 3/4 | 3,470.18 | 3/4 | 3,108.52 | 3/4 | 2,746.87 |
| 2 | | 2 | | 2 | 5,254.13 | 2 | 4,909.06 | 2 | 4,547.61 | 2 | 4,185.95 | 2 | 3,824.30 | 2 | 3,462.64 | 2 | 3,100.99 | 2 | 2,739.33 |
| 1/4 | | 1/4 | | 1/4 | 5,249.49 | 1/4 | 4,901.55 | 1/4 | 4,540.08 | 1/4 | 4,178.42 | 1/4 | 3,816.76 | 1/4 | 3,455.11 | 1/4 | 3,093.45 | 1/4 | 2,731.80 |
| 1/2 | | 1/2 | | 1/2 | 5,244.86 | 1/2 | 4,894.04 | 1/2 | 4,532.54 | 1/2 | 4,170.89 | 1/2 | 3,809.23 | 1/2 | 3,447.57 | 1/2 | 3,085.92 | 1/2 | 2,724.26 |
| 3/4 | | 3/4 | | 3/4 | 5,238.97 | 3/4 | 4,886.53 | 3/4 | 4,525.01 | 3/4 | 4,163.35 | 3/4 | 3,801.70 | 3/4 | 3,440.04 | 3/4 | 3,078.38 | 3/4 | 2,716.73 |
| 3 | | 3 | | 3 | 5,233.08 | 3 | 4,879.03 | 3 | 4,517.47 | 3 | 4,155.82 | 3 | 3,794.16 | 3 | 3,432.50 | 3 | 3,070.85 | 3 | 2,709.19 |
| 1/4 | | 1/4 | | 1/4 | 5,227.19 | 1/4 | 4,871.52 | 1/4 | 4,509.94 | 1/4 | 4,148.28 | 1/4 | 3,786.63 | 1/4 | 3,424.97 | 1/4 | 3,063.31 | 1/4 | 2,701.66 |
| 1/2 | | 1/2 | | 1/2 | 5,221.30 | 1/2 | 4,864.01 | 1/2 | 4,502.40 | 1/2 | 4,140.75 | 1/2 | 3,779.09 | 1/2 | 3,417.44 | 1/2 | 3,055.78 | 1/2 | 2,694.12 |
| 3/4 | | 3/4 | | 3/4 | 5,214.29 | 3/4 | 4,856.50 | 3/4 | 4,494.87 | 3/4 | 4,133.21 | 3/4 | 3,771.56 | 3/4 | 3,409.90 | 3/4 | 3,048.25 | 3/4 | 2,686.59 |
| 4 | | 4 | | 4 | 5,207.28 | 4 | 4,848.99 | 4 | 4,487.33 | 4 | 4,125.68 | 4 | 3,764.02 | 4 | 3,402.37 | 4 | 3,040.71 | 4 | 2,679.05 |
| 1/4 | | 1/4 | | 1/4 | 5,200.27 | 1/4 | 4,841.49 | 1/4 | 4,479.80 | 1/4 | 4,118.14 | 1/4 | 3,756.49 | 1/4 | 3,394.83 | 1/4 | 3,033.18 | 1/4 | 2,671.52 |
| 1/2 | | 1/2 | | 1/2 | 5,193.26 | 1/2 | 4,833.98 | 1/2 | 4,472.27 | 1/2 | 4,110.61 | 1/2 | 3,748.95 | 1/2 | 3,387.30 | 1/2 | 3,025.64 | 1/2 | 2,663.99 |
| 3/4 | | 3/4 | | 3/4 | 5,185.86 | 3/4 | 4,826.45 | 3/4 | 4,464.73 | 3/4 | 4,103.08 | 3/4 | 3,741.42 | 3/4 | 3,379.76 | 3/4 | 3,018.11 | 3/4 | 2,656.45 |
| 5 | | 5 | | 5 | 5,178.46 | 5 | 4,818.92 | 5 | 4,457.20 | 5 | 4,095.54 | 5 | 3,733.88 | 5 | 3,372.23 | 5 | 3,010.57 | 5 | 2,648.92 |
| 1/4 | | 1/4 | | 1/4 | 5,171.06 | 1/4 | 4,811.39 | 1/4 | 4,449.66 | 1/4 | 4,088.01 | 1/4 | 3,726.35 | 1/4 | 3,364.69 | 1/4 | 3,003.04 | 1/4 | 2,641.38 |
| 1/2 | | 1/2 | | 1/2 | 5,163.66 | 1/2 | 4,803.86 | 1/2 | 4,442.13 | 1/2 | 4,080.47 | 1/2 | 3,718.82 | 1/2 | 3,357.16 | 1/2 | 2,995.50 | 1/2 | 2,633.85 |
| 3/4 | | 3/4 | | 3/4 | 5,156.21 | 3/4 | 4,796.32 | 3/4 | 4,434.59 | 3/4 | 4,072.94 | 3/4 | 3,711.28 | 3/4 | 3,349.63 | 3/4 | 2,987.97 | 3/4 | 2,626.31 |
| 6 | | 6 | | 6 | 5,148.76 | 6 | 4,788.78 | 6 | 4,427.06 | 6 | 4,065.40 | 6 | 3,703.75 | 6 | 3,342.09 | 6 | 2,980.43 | 6 | 2,618.78 |
| 1/4 | | 1/4 | | 1/4 | 5,141.30 | 1/4 | 4,781.24 | 1/4 | 4,419.52 | 1/4 | 4,057.87 | 1/4 | 3,696.21 | 1/4 | 3,334.56 | 1/4 | 2,972.90 | 1/4 | 2,611.24 |
| 1/2 | | 1/2 | | 1/2 | 5,133.85 | 1/2 | 4,773.71 | 1/2 | 4,411.99 | 1/2 | 4,050.33 | 1/2 | 3,688.68 | 1/2 | 3,327.02 | 1/2 | 2,965.37 | 1/2 | 2,603.71 |
| 3/4 | | 3/4 | | 3/4 | 5,126.40 | 3/4 | 4,766.17 | 3/4 | 4,404.46 | 3/4 | 4,042.80 | 3/4 | 3,681.14 | 3/4 | 3,319.49 | 3/4 | 2,957.83 | 3/4 | 2,596.17 |
| 7 | | 7 | | 7 | 5,118.94 | 7 | 4,758.63 | 7 | 4,396.92 | 7 | 4,035.26 | 7 | 3,673.61 | 7 | 3,311.95 | 7 | 2,950.30 | 7 | 2,588.63 |
| 1/4 | | 1/4 | | 1/4 | 5,111.48 | 1/4 | 4,751.09 | 1/4 | 4,389.39 | 1/4 | 4,027.73 | 1/4 | 3,666.07 | 1/4 | 3,304.42 | 1/4 | 2,942.76 | 1/4 | 2,581.10 |
| 1/2 | | 1/2 | | 1/2 | 5,104.02 | 1/2 | 4,743.56 | 1/2 | 4,381.85 | 1/2 | 4,020.20 | 1/2 | 3,658.54 | 1/2 | 3,296.88 | 1/2 | 2,935.23 | 1/2 | 2,573.56 |
| 3/4 | | 3/4 | | 3/4 | 5,096.57 | 3/4 | 4,736.02 | 3/4 | 4,374.32 | 3/4 | 4,012.66 | 3/4 | 3,651.01 | 3/4 | 3,289.35 | 3/4 | 2,927.69 | 3/4 | 2,566.02 |
| 8 | | 8 | | 8 | 5,089.11 | 8 | 4,728.48 | 8 | 4,366.78 | 8 | 4,005.13 | 8 | 3,643.47 | 8 | 3,281.81 | 8 | 2,920.16 | 8 | 2,558.49 |
| 1/4 | | 1/4 | | 1/4 | 5,081.65 | 1/4 | 4,720.95 | 1/4 | 4,359.25 | 1/4 | 3,997.59 | 1/4 | 3,635.94 | 1/4 | 3,274.28 | 1/4 | 2,912.62 | 1/4 | 2,550.95 |
| 1/2 | | 1/2 | | 1/2 | 5,074.19 | 1/2 | 4,713.41 | 1/2 | 4,351.71 | 1/2 | 3,990.06 | 1/2 | 3,628.40 | 1/2 | 3,266.75 | 1/2 | 2,905.09 | 1/2 | 2,543.41 |
| 3/4 | | 3/4 | | 3/4 | 5,066.69 | 3/4 | 4,705.87 | 3/4 | 4,344.18 | 3/4 | 3,982.52 | 3/4 | 3,620.87 | 3/4 | 3,259.21 | 3/4 | 2,897.56 | 3/4 | 2,535.87 |
| 9 | | 9 | | 9 | 5,059.20 | 9 | 4,698.33 | 9 | 4,336.64 | 9 | 3,974.99 | 9 | 3,613.33 | 9 | 3,251.68 | 9 | 2,890.02 | 9 | 2,528.34 |
| 1/4 | | 1/4 | | 1/4 | 5,051.70 | 1/4 | 4,690.80 | 1/4 | 4,329.11 | 1/4 | 3,967.45 | 1/4 | 3,605.80 | 1/4 | 3,244.14 | 1/4 | 2,882.49 | 1/4 | 2,520.80 |
| 1/2 | | 1/2 | | 1/2 | 5,044.21 | 1/2 | 4,683.26 | 1/2 | 4,321.58 | 1/2 | 3,959.92 | 1/2 | 3,598.26 | 1/2 | 3,236.61 | 1/2 | 2,874.95 | 1/2 | 2,513.26 |
| 3/4 | | 3/4 | | 3/4 | 5,036.70 | 3/4 | 4,675.72 | 3/4 | 4,314.04 | 3/4 | 3,952.39 | 3/4 | 3,590.73 | 3/4 | 3,229.07 | 3/4 | 2,867.42 | 3/4 | 2,505.72 |
| 10 | | 10 | | 10 | 5,029.19 | 10 | 4,668.18 | 10 | 4,306.51 | 10 | 3,944.85 | 10 | 3,583.19 | 10 | 3,221.54 | 10 | 2,859.88 | 10 | 2,498.19 |
| 1/4 | | 1/4 | | 1/4 | 5,021.68 | 1/4 | 4,660.65 | 1/4 | 4,298.97 | 1/4 | 3,937.32 | 1/4 | 3,575.66 | 1/4 | 3,214.00 | 1/4 | 2,852.35 | 1/4 | 2,490.65 |
| 1/2 | | 1/2 | | 1/2 | 5,014.17 | 1/2 | 4,653.11 | 1/2 | 4,291.44 | 1/2 | 3,929.78 | 1/2 | 3,568.13 | 1/2 | 3,206.47 | 1/2 | 2,844.81 | 1/2 | 2,483.11 |
| 3/4 | | 3/4 | | 3/4 | 5,006.67 | 3/4 | 4,645.57 | 3/4 | 4,283.90 | 3/4 | 3,922.25 | 3/4 | 3,560.59 | 3/4 | 3,198.94 | 3/4 | 2,837.28 | 3/4 | 2,475.57 |
| 11 | | 11 | | 11 | 4,999.16 | 11 | 4,638.03 | 11 | 4,276.37 | 11 | 3,914.71 | 11 | 3,553.06 | 11 | 3,191.40 | 11 | 2,829.74 | 11 | 2,468.04 |
| 1/4 | | 1/4 | | 1/4 | 4,991.65 | 1/4 | 4,630.49 | 1/4 | 4,268.83 | 1/4 | 3,907.18 | 1/4 | 3,545.52 | 1/4 | 3,183.87 | 1/4 | 2,822.21 | 1/4 | 2,460.50 |
| 1/2 | | 1/2 | | 1/2 | 4,984.14 | 1/2 | 4,622.96 | 1/2 | 4,261.30 | 1/2 | 3,899.64 | 1/2 | 3,537.99 | 1/2 | 3,176.33 | 1/2 | 2,814.68 | 1/2 | 2,452.96 |
| 3/4 | | 3/4 | | 3/4 | 4,976.63 | 3/4 | 4,615.42 | 3/4 | 4,253.77 | 3/4 | 3,892.11 | 3/4 | 3,530.45 | 3/4 | 3,168.80 | 3/4 | 2,807.14 | 3/4 | 2,445.43 |

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 TO THE TOP OF THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "NGL 3044"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "MOC 19"

GAUGE HEIGHT 15'-09 1/2"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 2,076.10 | 0 | 1,714.31 | 0 | 1,354.42 | 0 | 997.48 | 0 | 648.48 | 0 | 290.19 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 2,068.56 | 1/4 | 1,706.77 | 1/4 | 1,346.88 | 1/4 | 990.31 | 1/4 | 640.94 | 1/4 | 282.86 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,061.02 | 1/2 | 1,699.23 | 1/2 | 1,339.34 | 1/2 | 983.14 | 1/2 | 633.40 | 1/2 | 275.53 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,053.49 | 3/4 | 1,691.70 | 3/4 | 1,331.80 | 3/4 | 975.97 | 3/4 | 625.87 | 3/4 | 268.20 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 2,045.95 | 1 | 1,684.16 | 1 | 1,324.27 | 1 | 968.81 | 1 | 618.33 | 1 | 260.87 | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 2,038.41 | 1/4 | 1,676.62 | 1/4 | 1,316.73 | 1/4 | 961.64 | 1/4 | 610.79 | 1/4 | 253.54 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,030.87 | 1/2 | 1,669.08 | 1/2 | 1,309.19 | 1/2 | 954.47 | 1/2 | 603.25 | 1/2 | 246.21 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,023.34 | 3/4 | 1,661.55 | 3/4 | 1,301.65 | 3/4 | 947.30 | 3/4 | 595.72 | 3/4 | 238.88 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 2,015.80 | 2 | 1,654.01 | 2 | 1,294.12 | 2 | 940.13 | 2 | 588.18 | 2 | 231.55 | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 2,008.26 | 1/4 | 1,646.47 | 1/4 | 1,286.58 | 1/4 | 932.97 | 1/4 | 580.64 | 1/4 | 224.22 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,000.72 | 1/2 | 1,638.93 | 1/2 | 1,279.04 | 1/2 | 925.80 | 1/2 | 573.10 | 1/2 | 216.89 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,993.19 | 3/4 | 1,631.40 | 3/4 | 1,271.51 | 3/4 | 918.63 | 3/4 | 565.57 | 3/4 | 209.56 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 1,985.65 | 3 | 1,623.86 | 3 | 1,263.97 | 3 | 911.46 | 3 | 558.03 | 3 | 202.23 | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 1,978.11 | 1/4 | 1,616.32 | 1/4 | 1,256.43 | 1/4 | 904.30 | 1/4 | 550.49 | 1/4 | 194.89 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,970.58 | 1/2 | 1,608.79 | 1/2 | 1,248.89 | 1/2 | 897.13 | 1/2 | 542.95 | 1/2 | 187.56 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,963.04 | 3/4 | 1,601.25 | 3/4 | 1,241.36 | 3/4 | 889.96 | 3/4 | 535.42 | 3/4 | 180.09 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 1,955.50 | 4 | 1,593.71 | 4 | 1,233.82 | 4 | 882.79 | 4 | 527.88 | 4 | 172.62 | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 1,947.96 | 1/4 | 1,586.17 | 1/4 | 1,226.28 | 1/4 | 875.62 | 1/4 | 520.34 | 1/4 | 165.15 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,940.43 | 1/2 | 1,578.64 | 1/2 | 1,218.74 | 1/2 | 868.46 | 1/2 | 512.80 | 1/2 | 157.67 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,932.89 | 3/4 | 1,571.19 | 3/4 | 1,211.21 | 3/4 | 861.29 | 3/4 | 505.27 | 3/4 | 150.17 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 1,925.35 | 5 | 1,563.74 | 5 | 1,203.67 | 5 | 854.12 | 5 | 497.73 | 5 | 142.67 | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 1,917.81 | 1/4 | 1,556.29 | 1/4 | 1,196.13 | 1/4 | 846.95 | 1/4 | 490.19 | 1/4 | 135.17 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,910.28 | 1/2 | 1,548.84 | 1/2 | 1,188.60 | 1/2 | 839.79 | 1/2 | 482.65 | 1/2 | 127.67 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,902.74 | 3/4 | 1,541.42 | 3/4 | 1,181.06 | 3/4 | 832.61 | 3/4 | 475.12 | 3/4 | 120.19 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 1,895.20 | 6 | 1,534.01 | 6 | 1,173.52 | 6 | 825.43 | 6 | 467.58 | 6 | 112.71 | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 1,887.67 | 1/4 | 1,526.59 | 1/4 | 1,165.98 | 1/4 | 818.25 | 1/4 | 460.04 | 1/4 | 105.24 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,880.13 | 1/2 | 1,519.17 | 1/2 | 1,158.45 | 1/2 | 811.08 | 1/2 | 452.50 | 1/2 | 97.76 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,872.59 | 3/4 | 1,511.75 | 3/4 | 1,150.91 | 3/4 | 803.90 | 3/4 | 444.97 | 3/4 | 90.74 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 1,865.05 | 7 | 1,504.33 | 7 | 1,143.37 | 7 | 796.72 | 7 | 437.43 | 7 | 83.71 | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 1,857.52 | 1/4 | 1,496.91 | 1/4 | 1,135.83 | 1/4 | 789.54 | 1/4 | 429.89 | 1/4 | 76.69 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,849.98 | 1/2 | 1,489.49 | 1/2 | 1,128.30 | 1/2 | 782.36 | 1/2 | 422.35 | 1/2 | 69.66 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,842.44 | 3/4 | 1,482.08 | 3/4 | 1,120.77 | 3/4 | 775.18 | 3/4 | 414.97 | 3/4 | 63.73 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 1,834.90 | 8 | 1,474.66 | 8 | 1,113.24 | 8 | 768.00 | 8 | 407.59 | 8 | 57.79 | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 1,827.37 | 1/4 | 1,467.24 | 1/4 | 1,105.71 | 1/4 | 760.82 | 1/4 | 400.21 | 1/4 | 51.86 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,819.83 | 1/2 | 1,459.82 | 1/2 | 1,098.18 | 1/2 | 753.64 | 1/2 | 392.82 | 1/2 | 45.93 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,812.29 | 3/4 | 1,452.31 | 3/4 | 1,090.93 | 3/4 | 746.19 | 3/4 | 385.49 | 3/4 | 41.25 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 1,804.76 | 9 | 1,444.80 | 9 | 1,083.67 | 9 | 738.74 | 9 | 378.16 | 9 | 36.57 | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 1,797.22 | 1/4 | 1,437.30 | 1/4 | 1,076.41 | 1/4 | 731.30 | 1/4 | 370.83 | 1/4 | 31.89 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,789.68 | 1/2 | 1,429.79 | 1/2 | 1,069.15 | 1/2 | 723.85 | 1/2 | 363.50 | 1/2 | 27.21 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,782.14 | 3/4 | 1,422.25 | 3/4 | 1,061.99 | 3/4 | 716.31 | 3/4 | 356.17 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 1,774.61 | 10 | 1,414.71 | 10 | 1,054.82 | 10 | 708.77 | 10 | 348.84 | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 1,767.07 | 1/4 | 1,407.18 | 1/4 | 1,047.65 | 1/4 | 701.24 | 1/4 | 341.51 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,759.53 | 1/2 | 1,399.64 | 1/2 | 1,040.48 | 1/2 | 693.70 | 1/2 | 334.18 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,751.99 | 3/4 | 1,392.10 | 3/4 | 1,033.32 | 3/4 | 686.16 | 3/4 | 326.85 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 1,744.46 | 11 | 1,384.57 | 11 | 1,026.15 | 11 | 678.63 | 11 | 319.52 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 1,736.92 | 1/4 | 1,377.03 | 1/4 | 1,018.98 | 1/4 | 671.09 | 1/4 | 312.19 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,729.38 | 1/2 | 1,369.49 | 1/2 | 1,011.81 | 1/2 | 663.55 | 1/2 | 304.86 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,721.84 | 3/4 | 1,361.95 | 3/4 | 1,004.64 | 3/4 | 656.02 | 3/4 | 297.52 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/03/2013 CL -
CALCULATED: 01/03/2013 CL
NAME CHANGE: 07/14/17

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

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



BARGE "NGL 3044"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "MOC 19"

GAUGE HEIGHT 15'-09"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|-----|-------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0 | | 0 | | 0 | 4,232.71 | 0 | 4,039.83 | 0 | 3,846.80 | 0 | 3,653.77 | 0 | 3,460.75 | 0 | 3,147.69 | 0 | 2,788.10 | 0 | 2,428.08 |
| 1/4 | | 1/4 | | 1/4 | 4,228.70 | 1/4 | 4,035.81 | 1/4 | 3,842.78 | 1/4 | 3,649.75 | 1/4 | 3,456.54 | 1/4 | 3,140.20 | 1/4 | 2,780.60 | 1/4 | 2,420.58 |
| 1/2 | | 1/2 | | 1/2 | 4,224.69 | 1/2 | 4,031.78 | 1/2 | 3,838.76 | 1/2 | 3,645.73 | 1/2 | 3,452.32 | 1/2 | 3,132.72 | 1/2 | 2,773.10 | 1/2 | 2,413.08 |
| 3/4 | | 3/4 | | 3/4 | 4,220.68 | 3/4 | 4,027.76 | 3/4 | 3,834.74 | 3/4 | 3,641.71 | 3/4 | 3,448.11 | 3/4 | 3,125.23 | 3/4 | 2,765.60 | 3/4 | 2,405.57 |
| 1 | | 1 | | 1 | 4,216.67 | 1 | 4,023.74 | 1 | 3,830.71 | 1 | 3,637.69 | 1 | 3,443.90 | 1 | 3,117.75 | 1 | 2,758.10 | 1 | 2,398.07 |
| 1/4 | | 1/4 | 4,395.41 | 1/4 | 4,212.66 | 1/4 | 4,019.72 | 1/4 | 3,826.69 | 1/4 | 3,633.67 | 1/4 | 3,439.19 | 1/4 | 3,110.27 | 1/4 | 2,750.60 | 1/4 | 2,390.57 |
| 1/2 | | 1/2 | 4,392.94 | 1/2 | 4,208.65 | 1/2 | 4,015.70 | 1/2 | 3,822.67 | 1/2 | 3,629.64 | 1/2 | 3,434.49 | 1/2 | 3,102.78 | 1/2 | 2,743.10 | 1/2 | 2,383.07 |
| 3/4 | | 3/4 | 4,390.46 | 3/4 | 4,204.65 | 3/4 | 4,011.68 | 3/4 | 3,818.65 | 3/4 | 3,625.62 | 3/4 | 3,429.78 | 3/4 | 3,095.30 | 3/4 | 2,735.61 | 3/4 | 2,375.57 |
| 2 | | 2 | 4,387.99 | 2 | 4,200.64 | 2 | 4,007.66 | 2 | 3,814.63 | 2 | 3,621.60 | 2 | 3,425.07 | 2 | 3,087.81 | 2 | 2,728.11 | 2 | 2,368.07 |
| 1/4 | | 1/4 | 4,384.84 | 1/4 | 4,196.63 | 1/4 | 4,003.63 | 1/4 | 3,810.61 | 1/4 | 3,617.58 | 1/4 | 3,419.78 | 1/4 | 3,080.33 | 1/4 | 2,720.61 | 1/4 | 2,360.56 |
| 1/2 | | 1/2 | 4,381.70 | 1/2 | 4,192.62 | 1/2 | 3,999.61 | 1/2 | 3,806.59 | 1/2 | 3,613.56 | 1/2 | 3,414.49 | 1/2 | 3,072.84 | 1/2 | 2,713.11 | 1/2 | 2,353.06 |
| 3/4 | | 3/4 | 4,378.55 | 3/4 | 4,188.61 | 3/4 | 3,995.59 | 3/4 | 3,802.56 | 3/4 | 3,609.54 | 3/4 | 3,409.20 | 3/4 | 3,065.36 | 3/4 | 2,705.61 | 3/4 | 2,345.56 |
| 3 | | 3 | 4,375.40 | 3 | 4,184.60 | 3 | 3,991.57 | 3 | 3,798.54 | 3 | 3,605.52 | 3 | 3,403.92 | 3 | 3,057.87 | 3 | 2,698.11 | 3 | 2,338.06 |
| 1/4 | | 1/4 | 4,371.66 | 1/4 | 4,180.59 | 1/4 | 3,987.55 | 1/4 | 3,794.52 | 1/4 | 3,601.49 | 1/4 | 3,398.05 | 1/4 | 3,050.39 | 1/4 | 2,690.61 | 1/4 | 2,330.56 |
| 1/2 | | 1/2 | 4,367.92 | 1/2 | 4,176.58 | 1/2 | 3,983.53 | 1/2 | 3,790.50 | 1/2 | 3,597.47 | 1/2 | 3,392.18 | 1/2 | 3,042.90 | 1/2 | 2,683.11 | 1/2 | 2,323.06 |
| 3/4 | | 3/4 | 4,364.17 | 3/4 | 4,172.57 | 3/4 | 3,979.51 | 3/4 | 3,786.48 | 3/4 | 3,593.45 | 3/4 | 3,386.31 | 3/4 | 3,035.42 | 3/4 | 2,675.61 | 3/4 | 2,315.55 |
| 4 | | 4 | 4,360.43 | 4 | 4,168.56 | 4 | 3,975.48 | 4 | 3,782.46 | 4 | 3,589.43 | 4 | 3,380.44 | 4 | 3,027.94 | 4 | 2,668.12 | 4 | 2,308.05 |
| 1/4 | | 1/4 | 4,356.48 | 1/4 | 4,164.54 | 1/4 | 3,971.46 | 1/4 | 3,778.44 | 1/4 | 3,585.41 | 1/4 | 3,374.00 | 1/4 | 3,020.45 | 1/4 | 2,660.62 | 1/4 | 2,300.55 |
| 1/2 | | 1/2 | 4,352.53 | 1/2 | 4,160.52 | 1/2 | 3,967.44 | 1/2 | 3,774.41 | 1/2 | 3,581.39 | 1/2 | 3,367.55 | 1/2 | 3,012.97 | 1/2 | 2,653.12 | 1/2 | 2,293.05 |
| 3/4 | | 3/4 | 4,348.57 | 3/4 | 4,156.50 | 3/4 | 3,963.42 | 3/4 | 3,770.39 | 3/4 | 3,577.37 | 3/4 | 3,361.10 | 3/4 | 3,005.48 | 3/4 | 2,645.62 | 3/4 | 2,285.55 |
| 5 | | 5 | 4,344.62 | 5 | 4,152.48 | 5 | 3,959.40 | 5 | 3,766.37 | 5 | 3,573.34 | 5 | 3,354.65 | 5 | 2,998.00 | 5 | 2,638.12 | 5 | 2,278.05 |
| 1/4 | | 1/4 | 4,340.64 | 1/4 | 4,148.45 | 1/4 | 3,955.38 | 1/4 | 3,762.35 | 1/4 | 3,569.32 | 1/4 | 3,347.63 | 1/4 | 2,990.51 | 1/4 | 2,630.62 | 1/4 | 2,270.54 |
| 1/2 | | 1/2 | 4,336.66 | 1/2 | 4,144.43 | 1/2 | 3,951.36 | 1/2 | 3,758.33 | 1/2 | 3,565.30 | 1/2 | 3,340.60 | 1/2 | 2,983.03 | 1/2 | 2,623.12 | 1/2 | 2,263.04 |
| 3/4 | | 3/4 | 4,332.68 | 3/4 | 4,140.41 | 3/4 | 3,947.34 | 3/4 | 3,754.31 | 3/4 | 3,561.28 | 3/4 | 3,333.57 | 3/4 | 2,975.54 | 3/4 | 2,615.62 | 3/4 | 2,255.54 |
| 6 | | 6 | 4,328.70 | 6 | 4,136.38 | 6 | 3,943.31 | 6 | 3,750.29 | 6 | 3,557.26 | 6 | 3,326.55 | 6 | 2,968.06 | 6 | 2,608.12 | 6 | 2,248.04 |
| 1/4 | | 1/4 | 4,324.72 | 1/4 | 4,132.36 | 1/4 | 3,939.29 | 1/4 | 3,746.27 | 1/4 | 3,553.24 | 1/4 | 3,319.17 | 1/4 | 2,960.56 | 1/4 | 2,600.62 | 1/4 | 2,240.54 |
| 1/2 | | 1/2 | 4,320.74 | 1/2 | 4,128.33 | 1/2 | 3,935.27 | 1/2 | 3,742.24 | 1/2 | 3,549.22 | 1/2 | 3,311.79 | 1/2 | 2,953.07 | 1/2 | 2,593.12 | 1/2 | 2,233.04 |
| 3/4 | | 3/4 | 4,316.75 | 3/4 | 4,124.31 | 3/4 | 3,931.25 | 3/4 | 3,738.22 | 3/4 | 3,545.20 | 3/4 | 3,304.42 | 3/4 | 2,945.57 | 3/4 | 2,585.62 | 3/4 | 2,225.53 |
| 7 | | 7 | 4,312.77 | 7 | 4,120.28 | 7 | 3,927.23 | 7 | 3,734.20 | 7 | 3,541.17 | 7 | 3,297.04 | 7 | 2,938.08 | 7 | 2,578.11 | 7 | 2,218.03 |
| 1/4 | | 1/4 | 4,308.79 | 1/4 | 4,116.26 | 1/4 | 3,923.21 | 1/4 | 3,730.18 | 1/4 | 3,537.15 | 1/4 | 3,289.59 | 1/4 | 2,930.58 | 1/4 | 2,570.61 | 1/4 | 2,210.53 |
| 1/2 | | 1/2 | 4,304.81 | 1/2 | 4,112.24 | 1/2 | 3,919.19 | 1/2 | 3,726.16 | 1/2 | 3,533.13 | 1/2 | 3,282.13 | 1/2 | 2,923.08 | 1/2 | 2,563.11 | 1/2 | 2,203.03 |
| 3/4 | | 3/4 | 4,300.82 | 3/4 | 4,108.21 | 3/4 | 3,915.16 | 3/4 | 3,722.14 | 3/4 | 3,529.11 | 3/4 | 3,274.68 | 3/4 | 2,915.58 | 3/4 | 2,555.61 | 3/4 | 2,195.53 |
| 8 | | 8 | 4,296.84 | 8 | 4,104.19 | 8 | 3,911.14 | 8 | 3,718.12 | 8 | 3,525.09 | 8 | 3,267.23 | 8 | 2,908.08 | 8 | 2,548.11 | 8 | 2,188.03 |
| 1/4 | | 1/4 | 4,292.84 | 1/4 | 4,100.16 | 1/4 | 3,907.12 | 1/4 | 3,714.09 | 1/4 | 3,521.07 | 1/4 | 3,259.77 | 1/4 | 2,900.58 | 1/4 | 2,540.61 | 1/4 | 2,180.52 |
| 1/2 | | 1/2 | 4,288.83 | 1/2 | 4,096.14 | 1/2 | 3,903.10 | 1/2 | 3,710.07 | 1/2 | 3,517.05 | 1/2 | 3,252.31 | 1/2 | 2,893.08 | 1/2 | 2,533.10 | 1/2 | 2,173.02 |
| 3/4 | | 3/4 | 4,284.83 | 3/4 | 4,092.12 | 3/4 | 3,899.08 | 3/4 | 3,706.05 | 3/4 | 3,513.02 | 3/4 | 3,244.85 | 3/4 | 2,885.58 | 3/4 | 2,525.60 | 3/4 | 2,165.52 |
| 9 | | 9 | 4,280.83 | 9 | 4,088.09 | 9 | 3,895.06 | 9 | 3,702.03 | 9 | 3,509.00 | 9 | 3,237.38 | 9 | 2,878.08 | 9 | 2,518.10 | 9 | 2,158.02 |
| 1/4 | | 1/4 | 4,276.82 | 1/4 | 4,084.07 | 1/4 | 3,891.04 | 1/4 | 3,698.01 | 1/4 | 3,504.98 | 1/4 | 3,229.92 | 1/4 | 2,870.59 | 1/4 | 2,510.60 | 1/4 | 2,150.52 |
| 1/2 | | 1/2 | 4,272.81 | 1/2 | 4,080.04 | 1/2 | 3,887.01 | 1/2 | 3,693.99 | 1/2 | 3,500.96 | 1/2 | 3,222.46 | 1/2 | 2,863.09 | 1/2 | 2,503.10 | 1/2 | 2,143.02 |
| 3/4 | | 3/4 | 4,268.80 | 3/4 | 4,076.02 | 3/4 | 3,882.99 | 3/4 | 3,689.97 | 3/4 | 3,496.94 | 3/4 | 3,215.00 | 3/4 | 2,855.59 | 3/4 | 2,495.59 | 3/4 | 2,135.51 |
| 10 | | 10 | 4,264.79 | 10 | 4,071.99 | 10 | 3,878.97 | 10 | 3,685.94 | 10 | 3,492.92 | 10 | 3,207.54 | 10 | 2,848.09 | 10 | 2,488.09 | 10 | 2,128.01 |
| 1/4 | | 1/4 | 4,260.78 | 1/4 | 4,067.97 | 1/4 | 3,874.95 | 1/4 | 3,681.92 | 1/4 | 3,488.90 | 1/4 | 3,200.06 | 1/4 | 2,840.59 | 1/4 | 2,480.59 | 1/4 | 2,120.51 |
| 1/2 | | 1/2 | 4,256.77 | 1/2 | 4,063.95 | 1/2 | 3,870.93 | 1/2 | 3,677.90 | 1/2 | 3,484.87 | 1/2 | 3,192.58 | 1/2 | 2,833.09 | 1/2 | 2,473.09 | 1/2 | 2,113.01 |
| 3/4 | | 3/4 | 4,252.76 | 3/4 | 4,059.93 | 3/4 | 3,866.91 | 3/4 | 3,673.88 | 3/4 | 3,480.85 | 3/4 | 3,185.10 | 3/4 | 2,825.59 | 3/4 | 2,465.59 | 3/4 | 2,105.51 |
| 11 | | 11 | 4,248.75 | 11 | 4,055.91 | 11 | 3,862.89 | 11 | 3,669.86 | 11 | 3,476.83 | 11 | 3,177.63 | 11 | 2,818.09 | 11 | 2,458.09 | 11 | 2,098.00 |
| 1/4 | | 1/4 | 4,244.74 | 1/4 | 4,051.89 | 1/4 | 3,858.86 | 1/4 | 3,665.84 | 1/4 | 3,472.81 | 1/4 | 3,170.14 | 1/4 | 2,810.59 | 1/4 | 2,450.58 | 1/4 | 2,090.50 |
| 1/2 | | 1/2 | 4,240.73 | 1/2 | 4,047.87 | 1/2 | 3,854.84 | 1/2 | 3,661.82 | 1/2 | 3,468.79 | 1/2 | 3,162.66 | 1/2 | 2,803.10 | 1/2 | 2,443.08 | 1/2 | 2,083.00 |
| 3/4 | | 3/4 | 4,236.72 | 3/4 | 4,043.85 | 3/4 | 3,850.82 | 3/4 | 3,657.79 | 3/4 | 3,464.77 | 3/4 | 3,155.17 | 3/4 | 2,795.60 | 3/4 | 2,435.58 | 3/4 | 2,075.50 |

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 TO THE TOP OF THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 55'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "NGL 3044"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "MOC 19"

GAUGE HEIGHT 15'-09"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 2,068.00 | 0 | 1,707.92 | 0 | 1,350.05 | 0 | 990.20 | 0 | 630.38 | 0 | 274.22 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 2,060.50 | 1/4 | 1,700.41 | 1/4 | 1,342.55 | 1/4 | 982.71 | 1/4 | 622.88 | 1/4 | 266.92 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,052.99 | 1/2 | 1,692.91 | 1/2 | 1,335.05 | 1/2 | 975.23 | 1/2 | 615.38 | 1/2 | 259.63 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,045.49 | 3/4 | 1,685.41 | 3/4 | 1,327.55 | 3/4 | 967.74 | 3/4 | 607.88 | 3/4 | 252.33 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 2,037.99 | 1 | 1,677.91 | 1 | 1,320.05 | 1 | 960.25 | 1 | 600.37 | 1 | 245.04 | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 2,030.49 | 1/4 | 1,670.41 | 1/4 | 1,312.54 | 1/4 | 952.76 | 1/4 | 592.87 | 1/4 | 237.74 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,022.99 | 1/2 | 1,662.91 | 1/2 | 1,305.04 | 1/2 | 945.27 | 1/2 | 585.37 | 1/2 | 230.45 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,015.49 | 3/4 | 1,655.40 | 3/4 | 1,297.54 | 3/4 | 937.78 | 3/4 | 577.87 | 3/4 | 223.15 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 2,007.98 | 2 | 1,647.90 | 2 | 1,290.04 | 2 | 930.29 | 2 | 570.37 | 2 | 215.86 | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 2,000.48 | 1/4 | 1,640.40 | 1/4 | 1,282.54 | 1/4 | 922.80 | 1/4 | 562.87 | 1/4 | 208.56 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,992.98 | 1/2 | 1,632.90 | 1/2 | 1,275.04 | 1/2 | 915.31 | 1/2 | 555.36 | 1/2 | 201.26 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,985.48 | 3/4 | 1,625.40 | 3/4 | 1,267.53 | 3/4 | 907.82 | 3/4 | 547.86 | 3/4 | 193.97 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 1,977.98 | 3 | 1,617.90 | 3 | 1,260.03 | 3 | 900.33 | 3 | 540.36 | 3 | 186.67 | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 1,970.48 | 1/4 | 1,610.39 | 1/4 | 1,252.53 | 1/4 | 892.84 | 1/4 | 532.86 | 1/4 | 179.24 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,962.97 | 1/2 | 1,602.89 | 1/2 | 1,245.03 | 1/2 | 885.35 | 1/2 | 525.36 | 1/2 | 171.80 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,955.47 | 3/4 | 1,595.39 | 3/4 | 1,237.53 | 3/4 | 877.86 | 3/4 | 517.85 | 3/4 | 164.36 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 1,947.97 | 4 | 1,587.89 | 4 | 1,230.03 | 4 | 870.37 | 4 | 510.35 | 4 | 156.92 | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 1,940.47 | 1/4 | 1,580.49 | 1/4 | 1,222.52 | 1/4 | 862.88 | 1/4 | 502.85 | 1/4 | 149.46 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,932.97 | 1/2 | 1,573.09 | 1/2 | 1,215.02 | 1/2 | 855.39 | 1/2 | 495.35 | 1/2 | 141.99 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,925.47 | 3/4 | 1,565.70 | 3/4 | 1,207.52 | 3/4 | 847.90 | 3/4 | 487.85 | 3/4 | 134.53 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 1,917.96 | 5 | 1,558.30 | 5 | 1,200.02 | 5 | 840.41 | 5 | 480.35 | 5 | 127.06 | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 1,910.46 | 1/4 | 1,550.94 | 1/4 | 1,192.52 | 1/4 | 832.92 | 1/4 | 472.84 | 1/4 | 119.62 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,902.96 | 1/2 | 1,543.57 | 1/2 | 1,185.02 | 1/2 | 825.42 | 1/2 | 465.34 | 1/2 | 112.18 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,895.46 | 3/4 | 1,536.21 | 3/4 | 1,177.51 | 3/4 | 817.92 | 3/4 | 457.84 | 3/4 | 104.74 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 1,887.96 | 6 | 1,528.85 | 6 | 1,170.01 | 6 | 810.42 | 6 | 450.34 | 6 | 97.30 | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 1,880.46 | 1/4 | 1,521.48 | 1/4 | 1,162.51 | 1/4 | 802.92 | 1/4 | 442.84 | 1/4 | 90.30 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,872.95 | 1/2 | 1,514.12 | 1/2 | 1,155.01 | 1/2 | 795.42 | 1/2 | 435.33 | 1/2 | 83.31 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,865.45 | 3/4 | 1,506.76 | 3/4 | 1,147.51 | 3/4 | 787.92 | 3/4 | 427.83 | 3/4 | 76.32 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 1,857.95 | 7 | 1,499.40 | 7 | 1,140.01 | 7 | 780.41 | 7 | 420.33 | 7 | 69.33 | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 1,850.45 | 1/4 | 1,492.03 | 1/4 | 1,132.51 | 1/4 | 772.91 | 1/4 | 412.98 | 1/4 | 63.43 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,842.95 | 1/2 | 1,484.67 | 1/2 | 1,125.02 | 1/2 | 765.41 | 1/2 | 405.64 | 1/2 | 57.52 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,835.45 | 3/4 | 1,477.31 | 3/4 | 1,117.53 | 3/4 | 757.91 | 3/4 | 398.29 | 3/4 | 51.61 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 1,827.94 | 8 | 1,469.94 | 8 | 1,110.04 | 8 | 750.41 | 8 | 390.94 | 8 | 45.71 | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 1,820.44 | 1/4 | 1,462.48 | 1/4 | 1,102.55 | 1/4 | 742.91 | 1/4 | 383.65 | 1/4 | 41.05 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,812.94 | 1/2 | 1,455.01 | 1/2 | 1,095.06 | 1/2 | 735.41 | 1/2 | 376.35 | 1/2 | 36.39 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,805.44 | 3/4 | 1,447.54 | 3/4 | 1,087.57 | 3/4 | 727.90 | 3/4 | 369.06 | 3/4 | 31.74 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 1,797.94 | 9 | 1,440.07 | 9 | 1,080.08 | 9 | 720.40 | 9 | 361.76 | 9 | 27.08 | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 1,790.44 | 1/4 | 1,432.57 | 1/4 | 1,072.59 | 1/4 | 712.90 | 1/4 | 354.47 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,782.93 | 1/2 | 1,425.07 | 1/2 | 1,065.10 | 1/2 | 705.40 | 1/2 | 347.17 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,775.43 | 3/4 | 1,417.57 | 3/4 | 1,057.61 | 3/4 | 697.90 | 3/4 | 339.88 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 1,767.93 | 10 | 1,410.07 | 10 | 1,050.12 | 10 | 690.40 | 10 | 332.58 | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 1,760.43 | 1/4 | 1,402.57 | 1/4 | 1,042.63 | 1/4 | 682.90 | 1/4 | 325.28 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,752.93 | 1/2 | 1,395.06 | 1/2 | 1,035.14 | 1/2 | 675.39 | 1/2 | 317.99 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,745.42 | 3/4 | 1,387.56 | 3/4 | 1,027.65 | 3/4 | 667.89 | 3/4 | 310.69 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 1,737.92 | 11 | 1,380.06 | 11 | 1,020.16 | 11 | 660.39 | 11 | 303.40 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 1,730.42 | 1/4 | 1,372.56 | 1/4 | 1,012.67 | 1/4 | 652.89 | 1/4 | 296.10 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,722.92 | 1/2 | 1,365.06 | 1/2 | 1,005.18 | 1/2 | 645.39 | 1/2 | 288.81 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,715.42 | 3/4 | 1,357.55 | 3/4 | 997.69 | 3/4 | 637.88 | 3/4 | 281.51 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/03/2013 CL -
CALCULATED: 01/03/2013 CL
NAME CHANGE: 07/14/17

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BARGE "NGL 3044"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "MOC 19"

GAUGE HEIGHT 15'-09 1/2"

| IN | 0 FT. | IN | 1 FT. | IN | 2 FT. | IN | 3 FT. | IN | 4 FT. | IN | 5 FT. | IN | 6 FT. | IN | 7 FT. | IN | 8 FT. | IN | 9 FT. |
|-----|-------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| 0 | | 0 | | 0 | 4,213.06 | 0 | 4,020.22 | 0 | 3,827.10 | 0 | 3,633.99 | 0 | 3,440.88 | 0 | 3,135.14 | 0 | 2,776.15 | 0 | 2,416.69 |
| 1/4 | | 1/4 | | 1/4 | 4,209.05 | 1/4 | 4,016.19 | 1/4 | 3,823.08 | 1/4 | 3,629.97 | 1/4 | 3,436.85 | 1/4 | 3,127.67 | 1/4 | 2,768.66 | 1/4 | 2,409.20 |
| 1/2 | | 1/2 | | 1/2 | 4,205.04 | 1/2 | 4,012.17 | 1/2 | 3,819.06 | 1/2 | 3,625.94 | 1/2 | 3,432.83 | 1/2 | 3,120.20 | 1/2 | 2,761.17 | 1/2 | 2,401.71 |
| 3/4 | | 3/4 | | 3/4 | 4,201.03 | 3/4 | 4,008.15 | 3/4 | 3,815.03 | 3/4 | 3,621.92 | 3/4 | 3,428.62 | 3/4 | 3,112.72 | 3/4 | 2,753.69 | 3/4 | 2,394.22 |
| 1 | | 1 | | 1 | 4,197.02 | 1 | 4,004.12 | 1 | 3,811.01 | 1 | 3,617.90 | 1 | 3,424.41 | 1 | 3,105.25 | 1 | 2,746.20 | 1 | 2,386.73 |
| 1/4 | | 1/4 | | 1/4 | 4,193.02 | 1/4 | 4,000.10 | 1/4 | 3,806.99 | 1/4 | 3,613.87 | 1/4 | 3,420.20 | 1/4 | 3,097.78 | 1/4 | 2,738.72 | 1/4 | 2,379.24 |
| 1/2 | | 1/2 | | 1/2 | 4,189.01 | 1/2 | 3,996.08 | 1/2 | 3,802.96 | 1/2 | 3,609.85 | 1/2 | 3,415.99 | 1/2 | 3,090.30 | 1/2 | 2,731.23 | 1/2 | 2,371.75 |
| 3/4 | | 3/4 | 4,367.70 | 3/4 | 4,185.00 | 3/4 | 3,992.05 | 3/4 | 3,798.94 | 3/4 | 3,605.83 | 3/4 | 3,411.28 | 3/4 | 3,082.83 | 3/4 | 2,723.74 | 3/4 | 2,364.26 |
| 2 | | 2 | 4,365.23 | 2 | 4,180.99 | 2 | 3,988.03 | 2 | 3,794.92 | 2 | 3,601.80 | 2 | 3,406.57 | 2 | 3,075.35 | 2 | 2,716.26 | 2 | 2,356.78 |
| 1/4 | | 1/4 | 4,362.75 | 1/4 | 4,176.98 | 1/4 | 3,984.01 | 1/4 | 3,790.89 | 1/4 | 3,597.78 | 1/4 | 3,401.86 | 1/4 | 3,067.88 | 1/4 | 2,708.77 | 1/4 | 2,349.29 |
| 1/2 | | 1/2 | 4,360.28 | 1/2 | 4,172.97 | 1/2 | 3,979.98 | 1/2 | 3,786.87 | 1/2 | 3,593.76 | 1/2 | 3,397.15 | 1/2 | 3,060.41 | 1/2 | 2,701.28 | 1/2 | 2,341.80 |
| 3/4 | | 3/4 | 4,357.13 | 3/4 | 4,168.96 | 3/4 | 3,975.96 | 3/4 | 3,782.85 | 3/4 | 3,589.73 | 3/4 | 3,391.87 | 3/4 | 3,052.93 | 3/4 | 2,693.79 | 3/4 | 2,334.31 |
| 3 | | 3 | 4,353.99 | 3 | 4,164.95 | 3 | 3,971.94 | 3 | 3,778.82 | 3 | 3,585.71 | 3 | 3,386.59 | 3 | 3,045.46 | 3 | 2,686.30 | 3 | 2,326.82 |
| 1/4 | | 1/4 | 4,350.84 | 1/4 | 4,160.95 | 1/4 | 3,967.91 | 1/4 | 3,774.80 | 1/4 | 3,581.69 | 1/4 | 3,381.31 | 1/4 | 3,037.99 | 1/4 | 2,678.81 | 1/4 | 2,319.33 |
| 1/2 | | 1/2 | 4,347.70 | 1/2 | 4,156.94 | 1/2 | 3,963.89 | 1/2 | 3,770.78 | 1/2 | 3,577.66 | 1/2 | 3,376.03 | 1/2 | 3,030.51 | 1/2 | 2,671.32 | 1/2 | 2,311.84 |
| 3/4 | | 3/4 | 4,343.96 | 3/4 | 4,152.93 | 3/4 | 3,959.87 | 3/4 | 3,766.75 | 3/4 | 3,573.64 | 3/4 | 3,370.18 | 3/4 | 3,023.04 | 3/4 | 2,663.83 | 3/4 | 2,304.35 |
| 4 | | 4 | 4,340.21 | 4 | 4,148.92 | 4 | 3,955.84 | 4 | 3,762.73 | 4 | 3,569.62 | 4 | 3,364.32 | 4 | 3,015.57 | 4 | 2,656.34 | 4 | 2,296.86 |
| 1/4 | | 1/4 | 4,336.47 | 1/4 | 4,144.91 | 1/4 | 3,951.82 | 1/4 | 3,758.71 | 1/4 | 3,565.59 | 1/4 | 3,358.47 | 1/4 | 3,008.09 | 1/4 | 2,648.85 | 1/4 | 2,289.37 |
| 1/2 | | 1/2 | 4,332.73 | 1/2 | 4,140.90 | 1/2 | 3,947.80 | 1/2 | 3,754.68 | 1/2 | 3,561.57 | 1/2 | 3,352.61 | 1/2 | 3,000.62 | 1/2 | 2,641.36 | 1/2 | 2,281.88 |
| 3/4 | | 3/4 | 4,328.78 | 3/4 | 4,136.88 | 3/4 | 3,943.78 | 3/4 | 3,750.66 | 3/4 | 3,557.55 | 3/4 | 3,346.17 | 3/4 | 2,993.14 | 3/4 | 2,633.88 | 3/4 | 2,274.39 |
| 5 | | 5 | 4,324.83 | 5 | 4,132.86 | 5 | 3,939.75 | 5 | 3,746.64 | 5 | 3,553.52 | 5 | 3,339.74 | 5 | 2,985.67 | 5 | 2,626.39 | 5 | 2,266.90 |
| 1/4 | | 1/4 | 4,320.87 | 1/4 | 4,128.84 | 1/4 | 3,935.73 | 1/4 | 3,742.62 | 1/4 | 3,549.50 | 1/4 | 3,333.30 | 1/4 | 2,978.20 | 1/4 | 2,618.90 | 1/4 | 2,259.42 |
| 1/2 | | 1/2 | 4,316.92 | 1/2 | 4,124.82 | 1/2 | 3,931.71 | 1/2 | 3,738.59 | 1/2 | 3,545.48 | 1/2 | 3,328.86 | 1/2 | 2,970.72 | 1/2 | 2,611.41 | 1/2 | 2,251.93 |
| 3/4 | | 3/4 | 4,312.94 | 3/4 | 4,120.80 | 3/4 | 3,927.68 | 3/4 | 3,734.57 | 3/4 | 3,541.46 | 3/4 | 3,319.85 | 3/4 | 2,963.25 | 3/4 | 2,603.92 | 3/4 | 2,244.44 |
| 6 | | 6 | 4,308.97 | 6 | 4,116.77 | 6 | 3,923.66 | 6 | 3,730.55 | 6 | 3,537.43 | 6 | 3,312.83 | 6 | 2,955.78 | 6 | 2,596.43 | 6 | 2,236.95 |
| 1/4 | | 1/4 | 4,304.99 | 1/4 | 4,112.75 | 1/4 | 3,919.64 | 1/4 | 3,726.52 | 1/4 | 3,533.41 | 1/4 | 3,305.82 | 1/4 | 2,948.30 | 1/4 | 2,588.94 | 1/4 | 2,229.46 |
| 1/2 | | 1/2 | 4,301.01 | 1/2 | 4,108.73 | 1/2 | 3,915.61 | 1/2 | 3,722.50 | 1/2 | 3,529.39 | 1/2 | 3,298.80 | 1/2 | 2,940.83 | 1/2 | 2,581.45 | 1/2 | 2,221.97 |
| 3/4 | | 3/4 | 4,297.03 | 3/4 | 4,104.70 | 3/4 | 3,911.59 | 3/4 | 3,718.48 | 3/4 | 3,525.36 | 3/4 | 3,291.44 | 3/4 | 2,933.34 | 3/4 | 2,573.96 | 3/4 | 2,214.48 |
| 7 | | 7 | 4,293.04 | 7 | 4,100.68 | 7 | 3,907.57 | 7 | 3,714.45 | 7 | 3,521.34 | 7 | 3,284.07 | 7 | 2,925.86 | 7 | 2,566.47 | 7 | 2,206.99 |
| 1/4 | | 1/4 | 4,289.06 | 1/4 | 4,096.66 | 1/4 | 3,903.54 | 1/4 | 3,710.43 | 1/4 | 3,517.32 | 1/4 | 3,276.70 | 1/4 | 2,918.37 | 1/4 | 2,558.98 | 1/4 | 2,199.50 |
| 1/2 | | 1/2 | 4,285.08 | 1/2 | 4,092.63 | 1/2 | 3,899.52 | 1/2 | 3,706.41 | 1/2 | 3,513.29 | 1/2 | 3,269.34 | 1/2 | 2,910.89 | 1/2 | 2,551.49 | 1/2 | 2,192.01 |
| 3/4 | | 3/4 | 4,281.10 | 3/4 | 4,088.61 | 3/4 | 3,895.50 | 3/4 | 3,702.38 | 3/4 | 3,509.27 | 3/4 | 3,261.90 | 3/4 | 2,903.40 | 3/4 | 2,544.01 | 3/4 | 2,184.52 |
| 8 | | 8 | 4,277.12 | 8 | 4,084.59 | 8 | 3,891.47 | 8 | 3,698.36 | 8 | 3,505.25 | 8 | 3,254.45 | 8 | 2,895.92 | 8 | 2,536.52 | 8 | 2,177.03 |
| 1/4 | | 1/4 | 4,273.14 | 1/4 | 4,080.56 | 1/4 | 3,887.45 | 1/4 | 3,694.34 | 1/4 | 3,501.22 | 1/4 | 3,247.01 | 1/4 | 2,888.43 | 1/4 | 2,529.03 | 1/4 | 2,169.55 |
| 1/2 | | 1/2 | 4,269.15 | 1/2 | 4,076.54 | 1/2 | 3,883.43 | 1/2 | 3,690.31 | 1/2 | 3,497.20 | 1/2 | 3,239.57 | 1/2 | 2,880.94 | 1/2 | 2,521.54 | 1/2 | 2,162.06 |
| 3/4 | | 3/4 | 4,265.15 | 3/4 | 4,072.52 | 3/4 | 3,879.40 | 3/4 | 3,686.29 | 3/4 | 3,493.18 | 3/4 | 3,232.12 | 3/4 | 2,873.46 | 3/4 | 2,514.05 | 3/4 | 2,154.57 |
| 9 | | 9 | 4,261.15 | 9 | 4,068.49 | 9 | 3,875.38 | 9 | 3,682.27 | 9 | 3,489.15 | 9 | 3,224.67 | 9 | 2,865.97 | 9 | 2,506.56 | 9 | 2,147.08 |
| 1/4 | | 1/4 | 4,257.15 | 1/4 | 4,064.47 | 1/4 | 3,871.36 | 1/4 | 3,678.24 | 1/4 | 3,485.13 | 1/4 | 3,217.22 | 1/4 | 2,858.49 | 1/4 | 2,499.07 | 1/4 | 2,139.59 |
| 1/2 | | 1/2 | 4,253.15 | 1/2 | 4,060.45 | 1/2 | 3,867.33 | 1/2 | 3,674.22 | 1/2 | 3,481.11 | 1/2 | 3,209.77 | 1/2 | 2,851.00 | 1/2 | 2,491.58 | 1/2 | 2,132.10 |
| 3/4 | | 3/4 | 4,249.14 | 3/4 | 4,056.42 | 3/4 | 3,863.31 | 3/4 | 3,670.20 | 3/4 | 3,477.08 | 3/4 | 3,202.32 | 3/4 | 2,843.52 | 3/4 | 2,484.09 | 3/4 | 2,124.61 |
| 10 | | 10 | 4,245.13 | 10 | 4,052.40 | 10 | 3,859.29 | 10 | 3,666.17 | 10 | 3,473.06 | 10 | 3,194.87 | 10 | 2,836.03 | 10 | 2,476.60 | 10 | 2,117.12 |
| 1/4 | | 1/4 | 4,241.12 | 1/4 | 4,048.38 | 1/4 | 3,855.26 | 1/4 | 3,662.15 | 1/4 | 3,469.04 | 1/4 | 3,187.42 | 1/4 | 2,828.54 | 1/4 | 2,469.11 | 1/4 | 2,109.63 |
| 1/2 | | 1/2 | 4,237.11 | 1/2 | 4,044.36 | 1/2 | 3,851.24 | 1/2 | 3,658.13 | 1/2 | 3,465.01 | 1/2 | 3,179.97 | 1/2 | 2,821.06 | 1/2 | 2,461.62 | 1/2 | 2,102.14 |
| 3/4 | | 3/4 | 4,233.10 | 3/4 | 4,040.33 | 3/4 | 3,847.22 | 3/4 | 3,654.10 | 3/4 | 3,460.99 | 3/4 | 3,172.50 | 3/4 | 2,813.57 | 3/4 | 2,454.13 | 3/4 | 2,094.65 |
| 11 | | 11 | 4,229.09 | 11 | 4,036.31 | 11 | 3,843.20 | 11 | 3,650.08 | 11 | 3,456.97 | 11 | 3,165.03 | 11 | 2,806.09 | 11 | 2,446.65 | 11 | 2,087.16 |
| 1/4 | | 1/4 | 4,225.08 | 1/4 | 4,032.29 | 1/4 | 3,839.17 | 1/4 | 3,646.06 | 1/4 | 3,452.94 | 1/4 | 3,157.56 | 1/4 | 2,798.60 | 1/4 | 2,439.16 | 1/4 | 2,079.67 |
| 1/2 | | 1/2 | 4,221.08 | 1/2 | 4,028.26 | 1/2 | 3,835.15 | 1/2 | 3,642.04 | 1/2 | 3,448.92 | 1/2 | 3,150.09 | 1/2 | 2,791.12 | 1/2 | 2,431.67 | 1/2 | 2,072.19 |
| 3/4 | | 3/4 | 4,217.07 | 3/4 | 4,024.24 | 3/4 | 3,831.13 | 3/4 | 3,638.01 | 3/4 | 3,444.90 | 3/4 | 3,142.62 | 3/4 | 2,783.63 | 3/4 | 2,424.18 | 3/4 | 2,064.70 |

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 TO THE TOP OF THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 55'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "NGL 3044"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "MOC 19"

GAUGE HEIGHT 15'-09 1/2"

| IN | 10 FT. | IN | 11 FT. | IN | 12 FT. | IN | 13 FT. | IN | 14 FT. | IN | 15 FT. | IN | 16 FT. | IN | 17 FT. | IN | 18 FT. | IN | 19 FT. |
|-----|----------|-----|----------|-----|----------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 0 | 2,057.21 | 0 | 1,697.73 | 0 | 1,340.66 | 0 | 988.32 | 0 | 644.66 | 0 | 288.57 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 2,049.72 | 1/4 | 1,690.24 | 1/4 | 1,333.19 | 1/4 | 981.31 | 1/4 | 637.17 | 1/4 | 281.29 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,042.23 | 1/2 | 1,682.75 | 1/2 | 1,325.72 | 1/2 | 974.30 | 1/2 | 629.68 | 1/2 | 274.00 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,034.74 | 3/4 | 1,675.26 | 3/4 | 1,318.25 | 3/4 | 967.29 | 3/4 | 622.19 | 3/4 | 266.72 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 1 | 2,027.25 | 1 | 1,667.77 | 1 | 1,310.79 | 1 | 960.27 | 1 | 614.70 | 1 | 259.43 | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 2,019.76 | 1/4 | 1,660.28 | 1/4 | 1,303.32 | 1/4 | 953.26 | 1/4 | 607.20 | 1/4 | 252.15 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 2,012.27 | 1/2 | 1,652.79 | 1/2 | 1,295.85 | 1/2 | 946.25 | 1/2 | 599.71 | 1/2 | 244.86 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 2,004.78 | 3/4 | 1,645.30 | 3/4 | 1,288.38 | 3/4 | 939.24 | 3/4 | 592.22 | 3/4 | 237.58 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 2 | 1,997.29 | 2 | 1,637.81 | 2 | 1,280.91 | 2 | 932.22 | 2 | 584.73 | 2 | 230.29 | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 1,989.80 | 1/4 | 1,630.32 | 1/4 | 1,273.45 | 1/4 | 925.21 | 1/4 | 577.24 | 1/4 | 223.01 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,982.32 | 1/2 | 1,622.83 | 1/2 | 1,265.98 | 1/2 | 918.20 | 1/2 | 569.75 | 1/2 | 215.72 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,974.83 | 3/4 | 1,615.34 | 3/4 | 1,258.51 | 3/4 | 911.19 | 3/4 | 562.25 | 3/4 | 208.44 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 3 | 1,967.34 | 3 | 1,607.86 | 3 | 1,251.04 | 3 | 904.17 | 3 | 554.76 | 3 | 201.15 | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 1,959.85 | 1/4 | 1,600.37 | 1/4 | 1,243.57 | 1/4 | 897.16 | 1/4 | 547.27 | 1/4 | 193.87 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,952.36 | 1/2 | 1,592.88 | 1/2 | 1,236.11 | 1/2 | 890.15 | 1/2 | 539.78 | 1/2 | 186.58 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,944.87 | 3/4 | 1,585.39 | 3/4 | 1,228.64 | 3/4 | 883.14 | 3/4 | 532.29 | 3/4 | 179.16 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 4 | 1,937.38 | 4 | 1,577.90 | 4 | 1,221.17 | 4 | 876.12 | 4 | 524.80 | 4 | 171.73 | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 1,929.89 | 1/4 | 1,570.41 | 1/4 | 1,213.70 | 1/4 | 869.11 | 1/4 | 517.30 | 1/4 | 164.30 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,922.40 | 1/2 | 1,562.92 | 1/2 | 1,206.23 | 1/2 | 862.10 | 1/2 | 509.81 | 1/2 | 156.88 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,914.91 | 3/4 | 1,555.44 | 3/4 | 1,198.77 | 3/4 | 855.05 | 3/4 | 502.32 | 3/4 | 149.42 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 5 | 1,907.42 | 5 | 1,548.15 | 5 | 1,191.30 | 5 | 848.01 | 5 | 494.83 | 5 | 141.96 | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 1,899.93 | 1/4 | 1,540.77 | 1/4 | 1,183.83 | 1/4 | 840.96 | 1/4 | 487.34 | 1/4 | 134.51 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,892.44 | 1/2 | 1,533.38 | 1/2 | 1,176.36 | 1/2 | 833.92 | 1/2 | 479.84 | 1/2 | 127.05 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,884.96 | 3/4 | 1,526.03 | 3/4 | 1,168.90 | 3/4 | 826.85 | 3/4 | 472.35 | 3/4 | 119.62 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 6 | 1,877.47 | 6 | 1,518.68 | 6 | 1,161.43 | 6 | 819.79 | 6 | 464.86 | 6 | 112.18 | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 1,869.98 | 1/4 | 1,511.33 | 1/4 | 1,153.96 | 1/4 | 812.72 | 1/4 | 457.37 | 1/4 | 104.75 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,862.49 | 1/2 | 1,503.98 | 1/2 | 1,146.49 | 1/2 | 805.66 | 1/2 | 449.88 | 1/2 | 97.31 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,855.00 | 3/4 | 1,496.63 | 3/4 | 1,139.04 | 3/4 | 798.59 | 3/4 | 442.39 | 3/4 | 90.32 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 7 | 1,847.51 | 7 | 1,489.28 | 7 | 1,131.59 | 7 | 791.52 | 7 | 434.89 | 7 | 83.33 | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 1,840.02 | 1/4 | 1,481.93 | 1/4 | 1,124.13 | 1/4 | 784.46 | 1/4 | 427.40 | 1/4 | 76.34 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,832.53 | 1/2 | 1,474.58 | 1/2 | 1,116.68 | 1/2 | 777.39 | 1/2 | 419.91 | 1/2 | 69.35 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,825.04 | 3/4 | 1,467.23 | 3/4 | 1,109.24 | 3/4 | 770.32 | 3/4 | 412.57 | 3/4 | 63.44 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 8 | 1,817.55 | 8 | 1,459.88 | 8 | 1,101.80 | 8 | 763.25 | 8 | 405.24 | 8 | 57.53 | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 1,810.06 | 1/4 | 1,452.53 | 1/4 | 1,094.36 | 1/4 | 756.18 | 1/4 | 397.90 | 1/4 | 51.63 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,802.57 | 1/2 | 1,445.18 | 1/2 | 1,086.92 | 1/2 | 749.12 | 1/2 | 390.56 | 1/2 | 45.72 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,795.09 | 3/4 | 1,437.72 | 3/4 | 1,079.80 | 3/4 | 741.73 | 3/4 | 383.28 | 3/4 | 41.06 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 9 | 1,787.60 | 9 | 1,430.27 | 9 | 1,072.69 | 9 | 734.35 | 9 | 375.99 | 9 | 36.41 | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 1,780.11 | 1/4 | 1,422.81 | 1/4 | 1,065.57 | 1/4 | 726.96 | 1/4 | 368.71 | 1/4 | 31.75 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,772.62 | 1/2 | 1,415.36 | 1/2 | 1,058.45 | 1/2 | 719.57 | 1/2 | 361.42 | 1/2 | 27.09 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,765.13 | 3/4 | 1,407.88 | 3/4 | 1,051.44 | 3/4 | 712.08 | 3/4 | 354.14 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 10 | 1,757.64 | 10 | 1,400.41 | 10 | 1,044.42 | 10 | 704.59 | 10 | 346.85 | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 1,750.15 | 1/4 | 1,392.94 | 1/4 | 1,037.41 | 1/4 | 697.10 | 1/4 | 339.57 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,742.66 | 1/2 | 1,385.46 | 1/2 | 1,030.40 | 1/2 | 689.61 | 1/2 | 332.28 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,735.17 | 3/4 | 1,378.00 | 3/4 | 1,023.39 | 3/4 | 682.12 | 3/4 | 325.00 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| 11 | 1,727.68 | 11 | 1,370.53 | 11 | 1,016.37 | 11 | 674.63 | 11 | 317.71 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 1,720.19 | 1/4 | 1,363.06 | 1/4 | 1,009.36 | 1/4 | 667.14 | 1/4 | 310.43 | 1/4 | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| 1/2 | 1,712.70 | 1/2 | 1,355.59 | 1/2 | 1,002.35 | 1/2 | 659.65 | 1/2 | 303.14 | 1/2 | | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| 3/4 | 1,705.21 | 3/4 | 1,348.12 | 3/4 | 995.34 | 3/4 | 652.15 | 3/4 | 295.86 | 3/4 | | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/03/2013 CL -
CALCULATED: 01/03/2013 CL
NAME CHANGE: 07/14/17

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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