



BARGE "CI 1604"

PORT HORIZONTAL

INNAGE TABLE BERGAN GAUGE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0.12	0	188.17	0	525.39	0	950.58	0	1,438.15	0	1,971.66	0	2,538.51	0	3,128.09	0	3,730.89	0	4,337.97
1/4	1.27	1/4	194.09	1/4	533.52	1/4	960.21	1/4	1,448.87	1/4	1,983.19	1/4	2,550.61	1/4	3,140.55	1/4	3,743.52	1/4	4,350.60
1/2	2.41	1/2	200.00	1/2	541.66	1/2	969.84	1/2	1,459.60	1/2	1,994.72	1/2	2,562.71	1/2	3,153.01	1/2	3,756.16	1/2	4,363.23
3/4	3.56	3/4	205.91	3/4	549.79	3/4	979.47	3/4	1,470.32	3/4	2,006.25	3/4	2,574.81	3/4	3,165.48	3/4	3,768.80	3/4	4,375.86
1	4.70	1	211.82	1	557.92	1	989.09	1	1,481.05	1	2,017.78	1	2,586.91	1	3,177.94	1	3,781.43	1	4,388.48
1/4	6.79	1/4	217.96	1/4	566.20	1/4	998.83	1/4	1,491.85	1/4	2,029.37	1/4	2,599.05	1/4	3,190.43	1/4	3,794.08	1/4	4,401.10
1/2	8.88	1/2	224.09	1/2	574.48	1/2	1,008.56	1/2	1,502.65	1/2	2,040.96	1/2	2,611.19	1/2	3,202.91	1/2	3,806.72	1/2	4,413.72
3/4	10.98	3/4	230.23	3/4	582.75	3/4	1,018.29	3/4	1,513.45	3/4	2,052.54	3/4	2,623.33	3/4	3,215.40	3/4	3,819.36	3/4	4,426.34
2	13.07	2	236.36	2	591.03	2	1,028.02	2	1,524.25	2	2,064.13	2	2,635.46	2	3,227.88	2	3,832.01	2	4,438.96
1/4	15.78	1/4	242.73	1/4	599.45	1/4	1,037.86	1/4	1,535.13	1/4	2,075.77	1/4	2,647.64	1/4	3,240.39	1/4	3,844.65	1/4	4,451.57
1/2	18.48	1/2	249.11	1/2	607.87	1/2	1,047.69	1/2	1,546.00	1/2	2,087.41	1/2	2,659.81	1/2	3,252.89	1/2	3,857.30	1/2	4,464.17
3/4	21.19	3/4	255.48	3/4	616.28	3/4	1,057.53	3/4	1,556.88	3/4	2,099.05	3/4	2,671.99	3/4	3,265.40	3/4	3,869.95	3/4	4,476.78
3	23.90	3	261.85	3	624.70	3	1,067.36	3	1,567.76	3	2,110.69	3	2,684.16	3	3,277.90	3	3,882.60	3	4,489.39
1/4	27.10	1/4	268.45	1/4	633.26	1/4	1,077.29	1/4	1,578.71	1/4	2,122.38	1/4	2,696.37	1/4	3,290.43	1/4	3,895.25	1/4	4,501.99
1/2	30.30	1/2	275.05	1/2	641.81	1/2	1,087.23	1/2	1,589.66	1/2	2,134.08	1/2	2,708.58	1/2	3,302.95	1/2	3,907.90	1/2	4,514.58
3/4	33.50	3/4	281.66	3/4	650.36	3/4	1,097.16	3/4	1,600.61	3/4	2,145.77	3/4	2,720.79	3/4	3,315.48	3/4	3,920.55	3/4	4,527.18
4	36.70	4	288.26	4	658.92	4	1,107.10	4	1,611.56	4	2,157.46	4	2,733.00	4	3,328.00	4	3,933.21	4	4,539.78
1/4	40.33	1/4	295.05	1/4	667.60	1/4	1,117.13	1/4	1,622.58	1/4	2,169.21	1/4	2,745.24	1/4	3,340.54	1/4	3,945.86	1/4	4,552.36
1/2	43.96	1/2	301.85	1/2	676.29	1/2	1,127.16	1/2	1,633.60	1/2	2,180.95	1/2	2,757.48	1/2	3,353.08	1/2	3,958.51	1/2	4,564.95
3/4	47.59	3/4	308.65	3/4	684.98	3/4	1,137.19	3/4	1,644.62	3/4	2,192.70	3/4	2,769.73	3/4	3,365.63	3/4	3,971.17	3/4	4,577.53
5	51.21	5	315.44	5	693.66	5	1,147.22	5	1,655.65	5	2,204.44	5	2,781.97	5	3,378.17	5	3,983.82	5	4,590.11
1/4	55.22	1/4	322.43	1/4	702.48	1/4	1,157.34	1/4	1,666.74	1/4	2,216.23	1/4	2,794.25	1/4	3,390.73	1/4	3,996.48	1/4	4,602.68
1/2	59.22	1/2	329.41	1/2	711.29	1/2	1,167.47	1/2	1,677.83	1/2	2,228.03	1/2	2,806.52	1/2	3,403.28	1/2	4,009.13	1/2	4,615.25
3/4	63.23	3/4	336.40	3/4	720.11	3/4	1,177.59	3/4	1,688.92	3/4	2,239.82	3/4	2,818.80	3/4	3,415.84	3/4	4,021.79	3/4	4,627.82
6	67.24	6	343.38	6	728.92	6	1,187.72	6	1,700.01	6	2,251.62	6	2,831.07	6	3,428.40	6	4,034.44	6	4,640.39
1/4	71.58	1/4	350.55	1/4	737.87	1/4	1,197.93	1/4	1,711.17	1/4	2,263.46	1/4	2,843.38	1/4	3,440.97	1/4	4,047.10	1/4	4,652.95
1/2	75.93	1/2	357.71	1/2	746.81	1/2	1,208.15	1/2	1,722.33	1/2	2,275.30	1/2	2,855.68	1/2	3,453.55	1/2	4,059.75	1/2	4,665.50
3/4	80.28	3/4	364.88	3/4	755.75	3/4	1,218.37	3/4	1,733.49	3/4	2,287.14	3/4	2,867.99	3/4	3,466.12	3/4	4,072.41	3/4	4,678.05
7	84.63	7	372.04	7	764.69	7	1,228.59	7	1,744.65	7	2,298.99	7	2,880.30	7	3,478.69	7	4,085.06	7	4,690.61
1/4	89.29	1/4	379.38	1/4	773.75	1/4	1,238.89	1/4	1,755.87	1/4	2,310.88	1/4	2,892.63	1/4	3,491.28	1/4	4,097.71	1/4	4,703.15
1/2	93.95	1/2	386.72	1/2	782.81	1/2	1,249.20	1/2	1,767.10	1/2	2,322.76	1/2	2,904.97	1/2	3,503.87	1/2	4,110.37	1/2	4,715.68
3/4	98.61	3/4	394.06	3/4	791.88	3/4	1,259.51	3/4	1,778.33	3/4	2,334.65	3/4	2,917.30	3/4	3,516.46	3/4	4,123.02	3/4	4,728.22
8	103.28	8	401.40	8	800.94	8	1,269.81	8	1,789.55	8	2,346.54	8	2,929.64	8	3,529.04	8	4,135.68	8	4,740.76
1/4	108.21	1/4	408.91	1/4	810.12	1/4	1,280.21	1/4	1,800.84	1/4	2,358.48	1/4	2,942.00	1/4	3,541.64	1/4	4,148.33	1/4	4,753.28
1/2	113.14	1/2	416.42	1/2	819.30	1/2	1,290.60	1/2	1,812.13	1/2	2,370.41	1/2	2,954.37	1/2	3,554.24	1/2	4,160.98	1/2	4,765.80
3/4	118.07	3/4	423.93	3/4	828.48	3/4	1,301.00	3/4	1,823.42	3/4	2,382.34	3/4	2,966.73	3/4	3,566.84	3/4	4,173.63	3/4	4,778.32
9	122.99	9	431.44	9	837.67	9	1,311.39	9	1,834.71	9	2,394.28	9	2,979.10	9	3,579.44	9	4,186.28	9	4,790.84
1/4	128.17	1/4	439.11	1/4	846.96	1/4	1,321.87	1/4	1,846.06	1/4	2,406.26	1/4	2,991.49	1/4	3,592.05	1/4	4,198.93	1/4	4,803.34
1/2	133.35	1/2	446.78	1/2	856.26	1/2	1,332.35	1/2	1,857.41	1/2	2,418.23	1/2	3,003.88	1/2	3,604.66	1/2	4,211.57	1/2	4,815.84
3/4	138.53	3/4	454.46	3/4	865.56	3/4	1,342.83	3/4	1,868.77	3/4	2,430.21	3/4	3,016.27	3/4	3,617.27	3/4	4,224.22	3/4	4,828.34
10	143.71	10	462.13	10	874.86	10	1,353.31	10	1,880.12	10	2,442.19	10	3,028.66	10	3,629.88	10	4,236.87	10	4,840.84
1/4	149.14	1/4	469.96	1/4	884.27	1/4	1,363.88	1/4	1,891.53	1/4	2,454.21	1/4	3,041.08	1/4	3,642.51	1/4	4,249.51	1/4	4,853.32
1/2	154.58	1/2	477.79	1/2	893.68	1/2	1,374.44	1/2	1,902.95	1/2	2,466.23	1/2	3,053.49	1/2	3,655.13	1/2	4,262.15	1/2	4,865.80
3/4	160.01	3/4	485.62	3/4	903.09	3/4	1,385.01	3/4	1,914.36	3/4	2,478.25	3/4	3,065.91	3/4	3,667.75	3/4	4,274.79	3/4	4,878.28
11	165.45	11	493.45	11	912.50	11	1,395.57	11	1,925.77	11	2,490.27	11	3,078.32	11	3,680.37	11	4,287.43	11	4,890.76
1/4	171.13	1/4	501.44	1/4	922.02	1/4	1,406.21	1/4	1,937.24	1/4	2,502.33	1/4	3,090.77	1/4	3,693.00	1/4	4,300.07	1/4	4,903.22
1/2	176.81	1/2	509.42	1/2	931.54	1/2	1,416.86	1/2	1,948.72	1/2	2,514.39	1/2	3,103.21	1/2	3,705.63	1/2	4,312.70	1/2	4,915.67
3/4	182.49	3/4	517.41	3/4	941.06	3/4	1,427.50	3/4	1,960.19	3/4	2,526.45	3/4	3,115.65	3/4	3,718.26	3/4	4,325.34	3/4	4,928.13

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.2E.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CI 1604"

PORT HORIZONTAL INNAGE TABLE BERGAN GAUGE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	4,940.59	0	5,529.79	0	6,096.06	0	6,628.75	0	7,115.21	0	7,538.88	0	7,874.39	0		0		0	
1/4	4,953.02	1/4	5,541.84	1/4	6,107.52	1/4	6,639.38	1/4	7,124.70	1/4	7,546.83	1/4	7,880.06	1/4	1/4		1/4		1/4
1/2	4,965.46	1/2	5,553.89	1/2	6,118.98	1/2	6,650.00	1/2	7,134.19	1/2	7,554.77	1/2	7,885.74	1/2	1/2		1/2		1/2
3/4	4,977.89	3/4	5,565.94	3/4	6,130.43	3/4	6,660.63	3/4	7,143.69	3/4	7,562.72	3/4	7,891.41	3/4	3/4		3/4		3/4
1	4,990.33	1	5,577.99	1	6,141.89	1	6,671.25	1	7,153.18	1	7,570.66	1	7,897.08	1	1		1		1
1/4	5,002.74	1/4	5,590.00	1/4	6,153.29	1/4	6,681.80	1/4	7,162.56	1/4	7,578.46	1/4	7,902.51	1/4	1/4		1/4		1/4
1/2	5,015.15	1/2	5,602.01	1/2	6,164.69	1/2	6,692.34	1/2	7,171.95	1/2	7,586.25	1/2	7,907.93	1/2	1/2		1/2		1/2
3/4	5,027.56	3/4	5,614.02	3/4	6,176.09	3/4	6,702.88	3/4	7,181.33	3/4	7,594.04	3/4	7,913.36	3/4	3/4		3/4		3/4
2	5,039.97	2	5,626.03	2	6,187.48	2	6,713.43	2	7,190.71	2	7,601.83	2	7,918.78	2	2		2		2
1/4	5,052.35	1/4	5,638.00	1/4	6,198.82	1/4	6,723.88	1/4	7,199.98	1/4	7,609.46	1/4	7,923.94	1/4	1/4		1/4		1/4
1/2	5,064.74	1/2	5,649.97	1/2	6,210.16	1/2	6,734.34	1/2	7,209.25	1/2	7,617.10	1/2	7,929.10	1/2	1/2		1/2		1/2
3/4	5,077.12	3/4	5,661.93	3/4	6,221.49	3/4	6,744.80	3/4	7,218.52	3/4	7,624.73	3/4	7,934.27	3/4	3/4		3/4		3/4
3	5,089.51	3	5,673.90	3	6,232.83	3	6,755.26	3	7,227.79	3	7,632.36	3	7,939.43	3	3		3		3
1/4	5,101.86	1/4	5,685.82	1/4	6,244.11	1/4	6,765.63	1/4	7,236.94	1/4	7,639.83	1/4	7,944.31	1/4	1/4		1/4		1/4
1/2	5,114.22	1/2	5,697.75	1/2	6,255.38	1/2	6,776.01	1/2	7,246.09	1/2	7,647.29	1/2	7,949.20	1/2	1/2		1/2		1/2
3/4	5,126.58	3/4	5,709.67	3/4	6,266.65	3/4	6,786.38	3/4	7,255.24	3/4	7,654.76	3/4	7,954.08	3/4	3/4		3/4		3/4
4	5,138.93	4	5,721.59	4	6,277.93	4	6,796.75	4	7,264.40	4	7,662.23	4	7,958.97	4	4		4		4
1/4	5,151.26	1/4	5,733.47	1/4	6,289.14	1/4	6,807.04	1/4	7,273.43	1/4	7,669.53	1/4	7,963.55	1/4	1/4		1/4		1/4
1/2	5,163.59	1/2	5,745.35	1/2	6,300.35	1/2	6,817.32	1/2	7,282.46	1/2	7,676.82	1/2	7,968.14	1/2	1/2		1/2		1/2
3/4	5,175.92	3/4	5,757.22	3/4	6,311.55	3/4	6,827.61	3/4	7,291.49	3/4	7,684.12	3/4	7,972.72	3/4	3/4		3/4		3/4
5	5,188.25	5	5,769.10	5	6,322.76	5	6,837.89	5	7,300.53	5	7,691.42	5	7,977.31	5	5		5		5
1/4	5,200.55	1/4	5,780.93	1/4	6,333.91	1/4	6,848.09	1/4	7,309.44	1/4	7,698.54	1/4	7,981.57	1/4	1/4		1/4		1/4
1/2	5,212.85	1/2	5,792.76	1/2	6,345.05	1/2	6,858.28	1/2	7,318.35	1/2	7,705.66	1/2	7,985.84	1/2	1/2		1/2		1/2
3/4	5,225.14	3/4	5,804.59	3/4	6,356.19	3/4	6,868.48	3/4	7,327.26	3/4	7,712.78	3/4	7,990.10	3/4	3/4		3/4		3/4
6	5,237.44	6	5,816.42	6	6,367.33	6	6,878.67	6	7,336.17	6	7,719.90	6	7,994.37	6	6		6		6
1/4	5,249.71	1/4	5,828.20	1/4	6,378.41	1/4	6,888.77	1/4	7,344.95	1/4	7,726.84	1/4	7,998.28	1/4	1/4		1/4		1/4
1/2	5,261.98	1/2	5,839.99	1/2	6,389.48	1/2	6,898.87	1/2	7,353.73	1/2	7,733.78	1/2	8,002.20	1/2	1/2		1/2		1/2
3/4	5,274.25	3/4	5,851.77	3/4	6,400.56	3/4	6,908.98	3/4	7,362.52	3/4	7,740.71	3/4	8,006.11	3/4	3/4		3/4		3/4
7	5,286.51	7	5,863.55	7	6,411.63	7	6,919.08	7	7,371.30	7	7,747.65	7	8,010.03	7	7		7		7
1/4	5,298.75	1/4	5,875.28	1/4	6,422.63	1/4	6,929.08	1/4	7,379.95	1/4	7,754.40	1/4	8,013.55	1/4	1/4		1/4		1/4
1/2	5,310.98	1/2	5,887.01	1/2	6,433.64	1/2	6,939.09	1/2	7,388.61	1/2	7,761.15	1/2	8,017.08	1/2	1/2		1/2		1/2
3/4	5,323.22	3/4	5,898.75	3/4	6,444.64	3/4	6,949.10	3/4	7,397.26	3/4	7,767.90	3/4	8,020.60	3/4	3/4		3/4		3/4
8	5,335.45	8	5,910.48	8	6,455.65	8	6,959.10	8	7,405.92	8	7,774.65	8	8,024.13	8	8		8		8
1/4	5,347.65	1/4	5,922.16	1/4	6,466.58	1/4	6,969.01	1/4	7,414.44	1/4	7,781.20	1/4	8,027.22	1/4	1/4		1/4		1/4
1/2	5,359.85	1/2	5,933.84	1/2	6,477.51	1/2	6,978.92	1/2	7,422.96	1/2	7,787.75	1/2	8,030.30	1/2	1/2		1/2		1/2
3/4	5,372.05	3/4	5,945.52	3/4	6,488.44	3/4	6,988.83	3/4	7,431.48	3/4	7,794.30	3/4	8,033.39	3/4	3/4		3/4		3/4
9	5,384.26	9	5,957.20	9	6,499.37	9	6,998.74	9	7,440.00	9	7,800.85	9	8,036.47	9	9		9		9
1/4	5,396.42	1/4	5,968.83	1/4	6,510.23	1/4	7,008.55	1/4	7,448.38	1/4	7,807.20	1/4	8,039.04	1/4	1/4		1/4		1/4
1/2	5,408.59	1/2	5,980.45	1/2	6,521.09	1/2	7,018.36	1/2	7,456.76	1/2	7,813.54	1/2	8,041.61	1/2	1/2		1/2		1/2
3/4	5,420.75	3/4	5,992.08	3/4	6,531.95	3/4	7,028.17	3/4	7,465.14	3/4	7,819.89	3/4	8,044.18	3/4	3/4		3/4		3/4
10	5,432.92	10	6,003.71	10	6,542.81	10	7,037.98	10	7,473.53	10	7,826.24	10	8,046.74	10	10		10		10
1/4	5,445.04	1/4	6,015.28	1/4	6,553.59	1/4	7,047.68	1/4	7,481.77	1/4	7,832.37	1/4	8,048.65	1/4	1/4		1/4		1/4
1/2	5,457.17	1/2	6,026.85	1/2	6,564.37	1/2	7,057.39	1/2	7,490.01	1/2	7,838.50	1/2	8,050.55	1/2	1/2		1/2		1/2
3/4	5,469.30	3/4	6,038.42	3/4	6,575.15	3/4	7,067.09	3/4	7,498.25	3/4	7,844.63	3/4	8,052.46	3/4	3/4		3/4		3/4
11	5,481.43	11	6,050.00	11	6,585.94	11	7,076.80	11	7,506.49	11	7,850.76	11	8,054.37	11	11		11		11
1/4	5,493.52	1/4	6,061.51	1/4	6,596.64	1/4	7,086.40	1/4	7,514.59	1/4	7,856.67	1/4	8,055.11	1/4	1/4		1/4		1/4
1/2	5,505.61	1/2	6,073.03	1/2	6,607.34	1/2	7,096.00	1/2	7,522.69	1/2	7,862.58	1/2	8,055.85	1/2	1/2		1/2		1/2
3/4	5,517.70	3/4	6,084.54	3/4	6,618.05	3/4	7,105.60	3/4	7,530.78	3/4	7,868.49	3/4	8,056.59	3/4	3/4		3/4		3/4

STRAPPED: 05/11/2011 CL - SW
CALCULATED: 05/11/2011 CL
PRINTED: 05/11/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2011

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.
PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CI 1604"

**STBD
HORIZONTAL**

**INNAGE TABLE
BERGAN GAUGE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0.12	0	188.20	0	525.59	0	951.08	0	1,439.08	0	1,973.12	0	2,540.58	0	3,130.82	0	3,734.32	0	4,342.12
1/4	1.27	1/4	194.12	1/4	533.72	1/4	960.72	1/4	1,449.81	1/4	1,984.66	1/4	2,552.69	1/4	3,143.30	1/4	3,746.97	1/4	4,354.76
1/2	2.41	1/2	200.03	1/2	541.86	1/2	970.36	1/2	1,460.55	1/2	1,996.20	1/2	2,564.80	1/2	3,155.77	1/2	3,759.62	1/2	4,367.40
3/4	3.56	3/4	205.95	3/4	550.00	3/4	979.99	3/4	1,471.28	3/4	2,007.75	3/4	2,576.92	3/4	3,168.25	3/4	3,772.27	3/4	4,380.05
1	4.70	1	211.86	1	558.14	1	989.63	1	1,482.01	1	2,019.29	1	2,589.03	1	3,180.73	1	3,784.93	1	4,392.69
1/4	6.79	1/4	218.00	1/4	566.42	1/4	999.37	1/4	1,492.83	1/4	2,030.89	1/4	2,601.18	1/4	3,193.23	1/4	3,797.58	1/4	4,405.32
1/2	8.88	1/2	224.14	1/2	574.70	1/2	1,009.11	1/2	1,503.64	1/2	2,042.48	1/2	2,613.33	1/2	3,205.73	1/2	3,810.24	1/2	4,417.95
3/4	10.97	3/4	230.27	3/4	582.99	3/4	1,018.85	3/4	1,514.45	3/4	2,054.08	3/4	2,625.49	3/4	3,218.23	3/4	3,822.90	3/4	4,430.59
2	13.07	2	236.41	2	591.27	2	1,028.59	2	1,525.26	2	2,065.68	2	2,637.64	2	3,230.73	2	3,835.56	2	4,443.22
1/4	15.77	1/4	242.78	1/4	599.69	1/4	1,038.43	1/4	1,536.15	1/4	2,077.33	1/4	2,649.82	1/4	3,243.25	1/4	3,848.22	1/4	4,455.84
1/2	18.48	1/2	249.16	1/2	608.12	1/2	1,048.27	1/2	1,547.04	1/2	2,088.99	1/2	2,662.01	1/2	3,255.77	1/2	3,860.88	1/2	4,468.47
3/4	21.19	3/4	255.53	3/4	616.54	3/4	1,058.12	3/4	1,557.92	3/4	2,100.64	3/4	2,674.20	3/4	3,268.29	3/4	3,873.55	3/4	4,481.09
3	23.89	3	261.91	3	624.96	3	1,067.96	3	1,568.81	3	2,112.29	3	2,686.39	3	3,280.81	3	3,886.21	3	4,493.71
1/4	27.10	1/4	268.51	1/4	633.52	1/4	1,077.90	1/4	1,579.77	1/4	2,124.00	1/4	2,698.61	1/4	3,293.35	1/4	3,898.87	1/4	4,506.32
1/2	30.30	1/2	275.12	1/2	642.08	1/2	1,087.84	1/2	1,590.73	1/2	2,135.70	1/2	2,710.83	1/2	3,305.88	1/2	3,911.54	1/2	4,518.93
3/4	33.50	3/4	281.72	3/4	650.64	3/4	1,097.78	3/4	1,601.69	3/4	2,147.41	3/4	2,723.06	3/4	3,318.42	3/4	3,924.21	3/4	4,531.55
4	36.70	4	288.33	4	659.20	4	1,107.73	4	1,612.65	4	2,159.11	4	2,735.28	4	3,330.96	4	3,936.87	4	4,544.16
1/4	40.33	1/4	295.13	1/4	667.89	1/4	1,117.77	1/4	1,623.69	1/4	2,170.87	1/4	2,747.54	1/4	3,343.52	1/4	3,949.54	1/4	4,556.76
1/2	43.96	1/2	301.92	1/2	676.59	1/2	1,127.80	1/2	1,634.72	1/2	2,182.63	1/2	2,759.79	1/2	3,356.07	1/2	3,962.21	1/2	4,569.35
3/4	47.58	3/4	308.72	3/4	685.28	3/4	1,137.84	3/4	1,645.75	3/4	2,194.39	3/4	2,772.05	3/4	3,368.63	3/4	3,974.88	3/4	4,581.95
5	51.21	5	315.52	5	693.97	5	1,147.88	5	1,656.78	5	2,206.14	5	2,784.31	5	3,381.19	5	3,987.55	5	4,594.55
1/4	55.22	1/4	322.51	1/4	702.79	1/4	1,158.02	1/4	1,667.89	1/4	2,217.95	1/4	2,796.60	1/4	3,393.76	1/4	4,000.22	1/4	4,607.14
1/2	59.22	1/2	329.50	1/2	711.61	1/2	1,168.15	1/2	1,678.99	1/2	2,229.76	1/2	2,808.89	1/2	3,406.33	1/2	4,012.89	1/2	4,619.72
3/4	63.23	3/4	336.49	3/4	720.44	3/4	1,178.28	3/4	1,690.09	3/4	2,241.56	3/4	2,821.18	3/4	3,418.91	3/4	4,025.56	3/4	4,632.30
6	67.23	6	343.48	6	729.26	6	1,188.42	6	1,701.19	6	2,253.37	6	2,833.46	6	3,431.48	6	4,038.23	6	4,644.89
1/4	71.58	1/4	350.64	1/4	738.20	1/4	1,198.64	1/4	1,712.36	1/4	2,265.23	1/4	2,845.78	1/4	3,444.07	1/4	4,050.90	1/4	4,657.46
1/2	75.93	1/2	357.81	1/2	747.15	1/2	1,208.87	1/2	1,723.53	1/2	2,277.08	1/2	2,858.10	1/2	3,456.66	1/2	4,063.57	1/2	4,670.03
3/4	80.28	3/4	364.98	3/4	756.10	3/4	1,219.10	3/4	1,734.70	3/4	2,288.94	3/4	2,870.42	3/4	3,469.24	3/4	4,076.24	3/4	4,682.60
7	84.63	7	372.15	7	765.05	7	1,229.32	7	1,745.88	7	2,300.79	7	2,882.75	7	3,481.83	7	4,088.91	7	4,695.16
1/4	89.29	1/4	379.50	1/4	774.12	1/4	1,239.64	1/4	1,757.11	1/4	2,312.69	1/4	2,895.09	1/4	3,494.43	1/4	4,101.58	1/4	4,707.72
1/2	93.95	1/2	386.84	1/2	783.19	1/2	1,249.96	1/2	1,768.35	1/2	2,324.59	1/2	2,907.44	1/2	3,507.04	1/2	4,114.25	1/2	4,720.27
3/4	98.62	3/4	394.18	3/4	792.26	3/4	1,260.27	3/4	1,779.58	3/4	2,336.50	3/4	2,919.79	3/4	3,519.64	3/4	4,126.91	3/4	4,732.82
8	103.28	8	401.53	8	801.33	8	1,270.59	8	1,790.82	8	2,348.40	8	2,932.14	8	3,532.24	8	4,139.58	8	4,745.37
1/4	108.21	1/4	409.04	1/4	810.51	1/4	1,280.99	1/4	1,802.12	1/4	2,360.34	1/4	2,944.52	1/4	3,544.85	1/4	4,152.25	1/4	4,757.91
1/2	113.14	1/2	416.55	1/2	819.70	1/2	1,291.40	1/2	1,813.42	1/2	2,372.29	1/2	2,956.90	1/2	3,557.47	1/2	4,164.91	1/2	4,770.44
3/4	118.07	3/4	424.07	3/4	828.89	3/4	1,301.80	3/4	1,824.73	3/4	2,384.24	3/4	2,969.28	3/4	3,570.08	3/4	4,177.58	3/4	4,782.98
9	123.00	9	431.58	9	838.08	9	1,312.21	9	1,836.03	9	2,396.19	9	2,981.66	9	3,582.70	9	4,190.25	9	4,795.51
1/4	128.18	1/4	439.26	1/4	847.39	1/4	1,322.70	1/4	1,847.39	1/4	2,408.18	1/4	2,994.06	1/4	3,595.32	1/4	4,202.91	1/4	4,808.02
1/2	133.36	1/2	446.93	1/2	856.69	1/2	1,333.18	1/2	1,858.75	1/2	2,420.17	1/2	3,006.47	1/2	3,607.95	1/2	4,215.57	1/2	4,820.54
3/4	138.54	3/4	454.61	3/4	866.00	3/4	1,343.67	3/4	1,870.12	3/4	2,432.16	3/4	3,018.87	3/4	3,620.57	3/4	4,228.23	3/4	4,833.05
10	143.72	10	462.29	10	875.30	10	1,354.16	10	1,881.48	10	2,444.15	10	3,031.28	10	3,633.20	10	4,240.89	10	4,845.57
1/4	149.16	1/4	470.12	1/4	884.72	1/4	1,364.74	1/4	1,892.91	1/4	2,456.18	1/4	3,043.71	1/4	3,645.83	1/4	4,253.55	1/4	4,858.06
1/2	154.60	1/2	477.96	1/2	894.14	1/2	1,375.31	1/2	1,904.33	1/2	2,468.22	1/2	3,056.14	1/2	3,658.47	1/2	4,266.21	1/2	4,870.56
3/4	160.03	3/4	485.79	3/4	903.55	3/4	1,385.88	3/4	1,915.76	3/4	2,480.25	3/4	3,068.57	3/4	3,671.11	3/4	4,278.86	3/4	4,883.05
11	165.47	11	493.63	11	912.97	11	1,396.46	11	1,927.18	11	2,492.28	11	3,081.00	11	3,683.74	11	4,291.52	11	4,895.55
1/4	171.15	1/4	501.62	1/4	922.50	1/4	1,407.11	1/4	1,938.67	1/4	2,504.36	1/4	3,093.45	1/4	3,696.39	1/4	4,304.17	1/4	4,908.02
1/2	176.84	1/2	509.61	1/2	932.03	1/2	1,417.77	1/2	1,950.15	1/2	2,516.43	1/2	3,105.91	1/2	3,709.03	1/2	4,316.82	1/2	4,920.49
3/4	182.52	3/4	517.60	3/4	941.56	3/4	1,428.42	3/4	1,961.64	3/4	2,528.50	3/4	3,118.36	3/4	3,721.67	3/4	4,329.47	3/4	4,932.96

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.2E.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.

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



BARGE "CI 1604"

STBD HORIZONTAL INNAGE TABLE BERGAN GAUGE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	4,945.43	0	5,535.30	0	6,102.18	0	6,635.40	0	7,122.27	0	7,546.25	0	7,881.93	0		0		0	
1/4	4,957.88	1/4	5,547.36	1/4	6,113.65	1/4	6,646.03	1/4	7,131.77	1/4	7,554.20	1/4	7,887.60	1/4		1/4		1/4	
1/2	4,970.33	1/2	5,559.43	1/2	6,125.12	1/2	6,656.67	1/2	7,141.28	1/2	7,562.15	1/2	7,893.28	1/2		1/2		1/2	
3/4	4,982.78	3/4	5,571.49	3/4	6,136.59	3/4	6,667.30	3/4	7,150.78	3/4	7,570.10	3/4	7,898.95	3/4		3/4		3/4	
1	4,995.23	1	5,583.56	1	6,148.05	1	6,677.94	1	7,160.28	1	7,578.05	1	7,904.62	1		1		1	
1/4	5,007.65	1/4	5,595.58	1/4	6,159.46	1/4	6,688.49	1/4	7,169.67	1/4	7,585.85	1/4	7,910.05	1/4		1/4		1/4	
1/2	5,020.08	1/2	5,607.60	1/2	6,170.87	1/2	6,699.04	1/2	7,179.06	1/2	7,593.65	1/2	7,915.48	1/2		1/2		1/2	
3/4	5,032.50	3/4	5,619.62	3/4	6,182.28	3/4	6,709.59	3/4	7,188.45	3/4	7,601.44	3/4	7,920.90	3/4		3/4		3/4	
2	5,044.93	2	5,631.65	2	6,193.69	2	6,720.15	2	7,197.84	2	7,609.24	2	7,926.33	2		2		2	
1/4	5,057.33	1/4	5,643.63	1/4	6,205.04	1/4	6,730.61	1/4	7,207.11	1/4	7,616.87	1/4	7,931.49	1/4		1/4		1/4	
1/2	5,069.72	1/2	5,655.61	1/2	6,216.39	1/2	6,741.08	1/2	7,216.39	1/2	7,624.51	1/2	7,936.65	1/2		1/2		1/2	
3/4	5,082.12	3/4	5,667.59	3/4	6,227.74	3/4	6,751.55	3/4	7,225.67	3/4	7,632.15	3/4	7,941.82	3/4		3/4		3/4	
3	5,094.52	3	5,679.57	3	6,239.09	3	6,762.02	3	7,234.94	3	7,639.78	3	7,946.98	3		3		3	
1/4	5,106.89	1/4	5,691.50	1/4	6,250.37	1/4	6,772.40	1/4	7,244.10	1/4	7,647.26	1/4	7,951.87	1/4		1/4		1/4	
1/2	5,119.26	1/2	5,703.44	1/2	6,261.66	1/2	6,782.79	1/2	7,253.26	1/2	7,654.73	1/2	7,956.75	1/2		1/2		1/2	
3/4	5,131.63	3/4	5,715.37	3/4	6,272.94	3/4	6,793.17	3/4	7,262.42	3/4	7,662.20	3/4	7,961.64	3/4		3/4		3/4	
4	5,144.01	4	5,727.31	4	6,284.23	4	6,803.55	4	7,271.58	4	7,669.67	4	7,966.52	4		4		4	
1/4	5,156.35	1/4	5,739.20	1/4	6,295.45	1/4	6,813.84	1/4	7,280.62	1/4	7,676.97	1/4	7,971.11	1/4		1/4		1/4	
1/2	5,168.69	1/2	5,751.09	1/2	6,306.67	1/2	6,824.14	1/2	7,289.66	1/2	7,684.27	1/2	7,975.70	1/2		1/2		1/2	
3/4	5,181.03	3/4	5,762.98	3/4	6,317.89	3/4	6,834.43	3/4	7,298.70	3/4	7,691.57	3/4	7,980.28	3/4		3/4		3/4	
5	5,193.38	5	5,774.87	5	6,329.11	5	6,844.73	5	7,307.74	5	7,698.87	5	7,984.87	5		5		5	
1/4	5,205.69	1/4	5,786.72	1/4	6,340.26	1/4	6,854.93	1/4	7,316.65	1/4	7,706.00	1/4	7,989.14	1/4		1/4		1/4	
1/2	5,218.00	1/2	5,798.56	1/2	6,351.42	1/2	6,865.13	1/2	7,325.57	1/2	7,713.12	1/2	7,993.40	1/2		1/2		1/2	
3/4	5,230.31	3/4	5,810.40	3/4	6,362.57	3/4	6,875.34	3/4	7,334.49	3/4	7,720.25	3/4	7,997.67	3/4		3/4		3/4	
6	5,242.63	6	5,822.24	6	6,373.72	6	6,885.54	6	7,343.40	6	7,727.37	6	8,001.93	6		6		6	
1/4	5,254.91	1/4	5,834.04	1/4	6,384.81	1/4	6,895.65	1/4	7,352.19	1/4	7,734.31	1/4	8,005.85	1/4		1/4		1/4	
1/2	5,267.19	1/2	5,845.83	1/2	6,395.89	1/2	6,905.76	1/2	7,360.98	1/2	7,741.25	1/2	8,009.76	1/2		1/2		1/2	
3/4	5,279.47	3/4	5,857.63	3/4	6,406.98	3/4	6,915.87	3/4	7,369.77	3/4	7,748.20	3/4	8,013.67	3/4		3/4		3/4	
7	5,291.75	7	5,869.42	7	6,418.06	7	6,925.98	7	7,378.56	7	7,755.14	7	8,017.59	7		7		7	
1/4	5,304.00	1/4	5,881.17	1/4	6,429.08	1/4	6,936.00	1/4	7,387.22	1/4	7,761.89	1/4	8,021.12	1/4		1/4		1/4	
1/2	5,316.25	1/2	5,892.91	1/2	6,440.09	1/2	6,946.01	1/2	7,395.88	1/2	7,768.64	1/2	8,024.64	1/2		1/2		1/2	
3/4	5,328.50	3/4	5,904.66	3/4	6,451.11	3/4	6,956.03	3/4	7,404.54	3/4	7,775.39	3/4	8,028.17	3/4		3/4		3/4	
8	5,340.75	8	5,916.40	8	6,462.12	8	6,966.04	8	7,413.20	8	7,782.14	8	8,031.69	8		8		8	
1/4	5,352.96	1/4	5,928.09	1/4	6,473.07	1/4	6,975.96	1/4	7,421.73	1/4	7,788.70	1/4	8,034.78	1/4		1/4		1/4	
1/2	5,365.17	1/2	5,939.78	1/2	6,484.01	1/2	6,985.88	1/2	7,430.25	1/2	7,795.25	1/2	8,037.87	1/2		1/2		1/2	
3/4	5,377.39	3/4	5,951.48	3/4	6,494.95	3/4	6,995.79	3/4	7,438.78	3/4	7,801.80	3/4	8,040.95	3/4		3/4		3/4	
9	5,389.60	9	5,963.17	9	6,505.89	9	7,005.71	9	7,447.30	9	7,808.36	9	8,044.04	9		9		9	
1/4	5,401.78	1/4	5,974.81	1/4	6,516.76	1/4	7,015.53	1/4	7,455.69	1/4	7,814.71	1/4	8,046.61	1/4		1/4		1/4	
1/2	5,413.96	1/2	5,986.45	1/2	6,527.63	1/2	7,025.35	1/2	7,464.08	1/2	7,821.06	1/2	8,049.17	1/2		1/2		1/2	
3/4	5,426.14	3/4	5,998.09	3/4	6,538.50	3/4	7,035.16	3/4	7,472.47	3/4	7,827.40	3/4	8,051.74	3/4		3/4		3/4	
10	5,438.32	10	6,009.73	10	6,549.37	10	7,044.98	10	7,480.86	10	7,833.75	10	8,054.31	10		10		10	
1/4	5,450.46	1/4	6,021.31	1/4	6,560.16	1/4	7,054.69	1/4	7,489.10	1/4	7,839.89	1/4	8,056.21	1/4		1/4		1/4	
1/2	5,462.60	1/2	6,032.90	1/2	6,570.95	1/2	7,064.41	1/2	7,497.35	1/2	7,846.02	1/2	8,058.12	1/2		1/2		1/2	
3/4	5,474.74	3/4	6,044.48	3/4	6,581.75	3/4	7,074.12	3/4	7,505.60	3/4	7,852.16	3/4	8,060.02	3/4		3/4		3/4	
11	5,486.89	11	6,056.06	11	6,592.54	11	7,083.84	11	7,513.84	11	7,858.29	11	8,061.93	11		11		11	
1/4	5,498.99	1/4	6,067.59	1/4	6,603.25	1/4	7,093.45	1/4	7,521.95	1/4	7,864.20	1/4	8,062.67	1/4		1/4		1/4	
1/2	5,511.09	1/2	6,079.12	1/2	6,613.97	1/2	7,103.06	1/2	7,530.05	1/2	7,870.11	1/2	8,063.41	1/2		1/2		1/2	
3/4	5,523.20	3/4	6,090.65	3/4	6,624.68	3/4	7,112.66	3/4	7,538.15	3/4	7,876.02	3/4	8,064.16	3/4		3/4		3/4	

STRAPPED: 05/11/2011 CL - SW
CALCULATED: 05/11/2011 CL
PRINTED: 05/11/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2011

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.
PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>