



BARGE "FMT 2038"

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	187.92	0	524.78	0	949.60	0	1,436.82	0	1,970.03	0	2,536.63	0	3,126.03	0	3,728.72	0	4,335.79
1/4	1.27	1/4	193.83	1/4	532.90	1/4	959.22	1/4	1,447.54	1/4	1,981.56	1/4	2,548.73	1/4	3,138.49	1/4	3,741.36	1/4	4,348.41
1/2	2.41	1/2	199.73	1/2	541.03	1/2	968.84	1/2	1,458.26	1/2	1,993.08	1/2	2,560.83	1/2	3,150.95	1/2	3,753.99	1/2	4,361.04
3/4	3.55	3/4	205.64	3/4	549.15	3/4	978.46	3/4	1,468.97	3/4	2,004.61	3/4	2,572.92	3/4	3,163.41	3/4	3,766.63	3/4	4,373.67
1	4.69	1	211.54	1	557.28	1	988.08	1	1,479.69	1	2,016.13	1	2,585.02	1	3,175.87	1	3,779.26	1	4,386.30
1/4	6.78	1/4	217.67	1/4	565.55	1/4	997.81	1/4	1,490.49	1/4	2,027.71	1/4	2,597.15	1/4	3,188.35	1/4	3,791.90	1/4	4,398.92
1/2	8.87	1/2	223.80	1/2	573.82	1/2	1,007.53	1/2	1,501.28	1/2	2,039.29	1/2	2,609.28	1/2	3,200.83	1/2	3,804.55	1/2	4,411.54
3/4	10.96	3/4	229.93	3/4	582.09	3/4	1,017.26	3/4	1,512.07	3/4	2,050.87	3/4	2,621.42	3/4	3,213.32	3/4	3,817.19	3/4	4,424.16
2	13.05	2	236.05	2	590.36	2	1,026.98	2	1,522.87	2	2,062.45	2	2,633.55	2	3,225.80	2	3,829.83	2	4,436.77
1/4	15.75	1/4	242.42	1/4	598.77	1/4	1,036.81	1/4	1,533.74	1/4	2,074.09	1/4	2,645.72	1/4	3,238.30	1/4	3,842.48	1/4	4,449.38
1/2	18.45	1/2	248.78	1/2	607.18	1/2	1,046.63	1/2	1,544.61	1/2	2,085.72	1/2	2,657.89	1/2	3,250.80	1/2	3,855.12	1/2	4,461.99
3/4	21.16	3/4	255.15	3/4	615.59	3/4	1,056.46	3/4	1,555.48	3/4	2,097.36	3/4	2,670.06	3/4	3,263.31	3/4	3,867.77	3/4	4,474.60
3	23.86	3	261.51	3	624.00	3	1,066.29	3	1,566.35	3	2,108.99	3	2,682.23	3	3,275.81	3	3,880.42	3	4,487.21
1/4	27.06	1/4	268.11	1/4	632.54	1/4	1,076.22	1/4	1,577.29	1/4	2,120.68	1/4	2,694.44	1/4	3,288.33	1/4	3,893.07	1/4	4,499.81
1/2	30.25	1/2	274.70	1/2	641.09	1/2	1,086.14	1/2	1,588.24	1/2	2,132.37	1/2	2,706.64	1/2	3,300.85	1/2	3,905.72	1/2	4,512.41
3/4	33.45	3/4	281.29	3/4	649.63	3/4	1,096.07	3/4	1,599.18	3/4	2,144.06	3/4	2,718.85	3/4	3,313.37	3/4	3,918.37	3/4	4,525.00
4	36.65	4	287.89	4	658.18	4	1,105.99	4	1,610.13	4	2,155.74	4	2,731.05	4	3,325.90	4	3,931.02	4	4,537.60
1/4	40.27	1/4	294.68	1/4	666.86	1/4	1,116.02	1/4	1,621.14	1/4	2,167.48	1/4	2,743.29	1/4	3,338.43	1/4	3,943.67	1/4	4,550.19
1/2	43.89	1/2	301.47	1/2	675.54	1/2	1,126.04	1/2	1,632.16	1/2	2,179.22	1/2	2,755.53	1/2	3,350.97	1/2	3,956.33	1/2	4,562.77
3/4	47.52	3/4	308.26	3/4	684.22	3/4	1,136.06	3/4	1,643.17	3/4	2,190.96	3/4	2,767.77	3/4	3,363.51	3/4	3,968.98	3/4	4,575.36
5	51.14	5	315.04	5	692.89	5	1,146.09	5	1,654.19	5	2,202.70	5	2,780.01	5	3,376.05	5	3,981.63	5	4,587.94
1/4	55.14	1/4	322.02	1/4	701.70	1/4	1,156.20	1/4	1,665.27	1/4	2,214.49	1/4	2,792.28	1/4	3,388.61	1/4	3,994.29	1/4	4,600.51
1/2	59.14	1/2	329.00	1/2	710.51	1/2	1,166.32	1/2	1,676.36	1/2	2,226.28	1/2	2,804.55	1/2	3,401.17	1/2	4,006.94	1/2	4,613.09
3/4	63.14	3/4	335.98	3/4	719.32	3/4	1,176.44	3/4	1,687.44	3/4	2,238.07	3/4	2,816.82	3/4	3,413.72	3/4	4,019.60	3/4	4,625.66
6	67.14	6	342.95	6	728.13	6	1,186.56	6	1,698.53	6	2,249.86	6	2,829.09	6	3,426.28	6	4,032.25	6	4,638.23
1/4	71.48	1/4	350.11	1/4	737.06	1/4	1,196.77	1/4	1,709.68	1/4	2,261.69	1/4	2,841.40	1/4	3,438.85	1/4	4,044.91	1/4	4,650.78
1/2	75.82	1/2	357.27	1/2	745.99	1/2	1,206.98	1/2	1,720.83	1/2	2,273.53	1/2	2,853.70	1/2	3,451.42	1/2	4,057.56	1/2	4,663.34
3/4	80.16	3/4	364.43	3/4	754.92	3/4	1,217.19	3/4	1,731.99	3/4	2,285.37	3/4	2,866.00	3/4	3,463.99	3/4	4,070.22	3/4	4,675.90
7	84.50	7	371.58	7	763.86	7	1,227.40	7	1,743.14	7	2,297.20	7	2,878.30	7	3,476.56	7	4,082.87	7	4,688.45
1/4	89.16	1/4	378.92	1/4	772.91	1/4	1,237.70	1/4	1,754.36	1/4	2,309.09	1/4	2,890.64	1/4	3,489.15	1/4	4,095.52	1/4	4,700.99
1/2	93.82	1/2	386.25	1/2	781.97	1/2	1,248.00	1/2	1,765.58	1/2	2,320.97	1/2	2,902.97	1/2	3,501.73	1/2	4,108.18	1/2	4,713.53
3/4	98.47	3/4	393.58	3/4	791.02	3/4	1,258.30	3/4	1,776.80	3/4	2,332.86	3/4	2,915.30	3/4	3,514.32	3/4	4,120.83	3/4	4,726.07
8	103.13	8	400.91	8	800.08	8	1,268.60	8	1,788.02	8	2,344.74	8	2,927.63	8	3,526.90	8	4,133.48	8	4,738.61
1/4	108.05	1/4	408.42	1/4	809.25	1/4	1,278.99	1/4	1,799.30	1/4	2,356.67	1/4	2,939.99	1/4	3,539.50	1/4	4,146.13	1/4	4,751.13
1/2	112.98	1/2	415.92	1/2	818.43	1/2	1,289.37	1/2	1,810.58	1/2	2,368.60	1/2	2,952.35	1/2	3,552.10	1/2	4,158.79	1/2	4,763.65
3/4	117.90	3/4	423.42	3/4	827.60	3/4	1,299.76	3/4	1,821.87	3/4	2,380.53	3/4	2,964.71	3/4	3,564.70	3/4	4,171.44	3/4	4,776.17
9	122.82	9	430.92	9	836.78	9	1,310.15	9	1,833.15	9	2,392.46	9	2,977.07	9	3,577.29	9	4,184.09	9	4,788.70
1/4	127.99	1/4	438.58	1/4	846.07	1/4	1,320.62	1/4	1,844.50	1/4	2,404.43	1/4	2,989.46	1/4	3,589.90	1/4	4,196.73	1/4	4,801.20
1/2	133.17	1/2	446.25	1/2	855.36	1/2	1,331.10	1/2	1,855.84	1/2	2,416.40	1/2	3,001.85	1/2	3,602.51	1/2	4,209.38	1/2	4,813.70
3/4	138.34	3/4	453.91	3/4	864.65	3/4	1,341.57	3/4	1,867.19	3/4	2,428.38	3/4	3,014.24	3/4	3,615.12	3/4	4,222.03	3/4	4,826.20
10	143.51	10	461.58	10	873.94	10	1,352.04	10	1,878.54	10	2,440.35	10	3,026.62	10	3,627.73	10	4,234.67	10	4,838.71
1/4	148.94	1/4	469.40	1/4	883.34	1/4	1,362.60	1/4	1,889.94	1/4	2,452.36	1/4	3,039.04	1/4	3,640.35	1/4	4,247.32	1/4	4,851.19
1/2	154.37	1/2	477.23	1/2	892.74	1/2	1,373.15	1/2	1,901.35	1/2	2,464.38	1/2	3,051.45	1/2	3,652.97	1/2	4,259.96	1/2	4,863.67
3/4	159.80	3/4	485.05	3/4	902.15	3/4	1,383.71	3/4	1,912.76	3/4	2,476.39	3/4	3,063.86	3/4	3,665.59	3/4	4,272.60	3/4	4,876.15
11	165.23	11	492.87	11	911.55	11	1,394.27	11	1,924.17	11	2,488.41	11	3,076.28	11	3,678.21	11	4,285.24	11	4,888.64
1/4	170.90	1/4	500.85	1/4	921.06	1/4	1,404.91	1/4	1,935.63	1/4	2,500.47	1/4	3,088.72	1/4	3,690.84	1/4	4,297.88	1/4	4,901.10
1/2	176.57	1/2	508.82	1/2	930.57	1/2	1,415.54	1/2	1,947.10	1/2	2,512.52	1/2	3,101.15	1/2	3,703.46	1/2	4,310.51	1/2	4,913.56
3/4	182.25	3/4	516.80	3/4	940.09	3/4	1,426.18	3/4	1,958.57	3/4	2,524.58	3/4	3,113.59	3/4	3,716.09	3/4	4,323.15	3/4	4,926.02

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.
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BARGE "FMT 2038"

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	4,938.48	0	5,527.87	0	6,094.47	0	6,627.68	0	7,114.90	0	7,539.73	0	7,877.10	0	8,065.62	0		0	
1/4	4,950.91	1/4	5,539.93	1/4	6,105.94	1/4	6,638.32	1/4	7,124.42	1/4	7,547.70	1/4	7,882.83	1/4		1/4		1/4	
1/2	4,963.35	1/2	5,551.98	1/2	6,117.41	1/2	6,648.96	1/2	7,133.93	1/2	7,555.68	1/2	7,888.55	1/2		1/2		1/2	
3/4	4,975.79	3/4	5,564.04	3/4	6,128.87	3/4	6,659.60	3/4	7,143.44	3/4	7,563.66	3/4	7,894.28	3/4		3/4		3/4	
1	4,988.23	1	5,576.10	1	6,140.34	1	6,670.24	1	7,152.96	1	7,571.63	1	7,900.00	1		1		1	
1/4	5,000.64	1/4	5,588.11	1/4	6,151.75	1/4	6,680.79	1/4	7,162.36	1/4	7,579.46	1/4	7,905.48	1/4		1/4		1/4	
1/2	5,013.05	1/2	5,600.13	1/2	6,163.15	1/2	6,691.35	1/2	7,171.76	1/2	7,587.28	1/2	7,910.96	1/2		1/2		1/2	
3/4	5,025.47	3/4	5,612.14	3/4	6,174.56	3/4	6,701.91	3/4	7,181.17	3/4	7,595.10	3/4	7,916.45	3/4		3/4		3/4	
2	5,037.88	2	5,624.16	2	6,185.97	2	6,712.46	2	7,190.57	2	7,602.93	2	7,921.93	2		2		2	
1/4	5,050.27	1/4	5,636.13	1/4	6,197.32	1/4	6,722.94	1/4	7,199.86	1/4	7,610.59	1/4	7,927.15	1/4		1/4		1/4	
1/2	5,062.65	1/2	5,648.10	1/2	6,208.66	1/2	6,733.41	1/2	7,209.15	1/2	7,618.26	1/2	7,932.37	1/2		1/2		1/2	
3/4	5,075.04	3/4	5,660.07	3/4	6,220.01	3/4	6,743.88	3/4	7,218.44	3/4	7,625.92	3/4	7,937.60	3/4		3/4		3/4	
3	5,087.43	3	5,672.05	3	6,231.35	3	6,754.36	3	7,227.73	3	7,633.59	3	7,942.82	3		3		3	
1/4	5,099.79	1/4	5,683.98	1/4	6,242.64	1/4	6,764.74	1/4	7,236.90	1/4	7,641.09	1/4	7,947.77	1/4		1/4		1/4	
1/2	5,112.15	1/2	5,695.91	1/2	6,253.92	1/2	6,775.13	1/2	7,246.08	1/2	7,648.59	1/2	7,952.72	1/2		1/2		1/2	
3/4	5,124.51	3/4	5,707.84	3/4	6,265.21	3/4	6,785.52	3/4	7,255.25	3/4	7,656.09	3/4	7,957.67	3/4		3/4		3/4	
4	5,136.87	4	5,719.76	4	6,276.49	4	6,795.91	4	7,264.43	4	7,663.59	4	7,962.62	4		4		4	
1/4	5,149.20	1/4	5,731.65	1/4	6,287.71	1/4	6,806.21	1/4	7,273.48	1/4	7,670.92	1/4	7,967.27	1/4		1/4		1/4	
1/2	5,161.54	1/2	5,743.53	1/2	6,298.93	1/2	6,816.51	1/2	7,282.54	1/2	7,678.26	1/2	7,971.93	1/2		1/2		1/2	
3/4	5,173.87	3/4	5,755.42	3/4	6,310.15	3/4	6,826.81	3/4	7,291.59	3/4	7,685.59	3/4	7,976.58	3/4		3/4		3/4	
5	5,186.20	5	5,767.30	5	6,321.37	5	6,837.11	5	7,300.65	5	7,692.92	5	7,981.24	5		5		5	
1/4	5,198.50	1/4	5,779.14	1/4	6,332.52	1/4	6,847.32	1/4	7,309.58	1/4	7,700.08	1/4	7,985.58	1/4		1/4		1/4	
1/2	5,210.81	1/2	5,790.97	1/2	6,343.67	1/2	6,857.53	1/2	7,318.51	1/2	7,707.24	1/2	7,989.93	1/2		1/2		1/2	
3/4	5,223.11	3/4	5,802.81	3/4	6,354.83	3/4	6,867.74	3/4	7,327.45	3/4	7,714.39	3/4	7,994.27	3/4		3/4		3/4	
6	5,235.41	6	5,814.65	6	6,365.98	6	6,877.95	6	7,336.38	6	7,721.55	6	7,998.61	6		6		6	
1/4	5,247.68	1/4	5,826.44	1/4	6,377.06	1/4	6,888.06	1/4	7,345.19	1/4	7,728.53	1/4	8,002.61	1/4		1/4		1/4	
1/2	5,259.95	1/2	5,838.23	1/2	6,388.15	1/2	6,898.18	1/2	7,353.99	1/2	7,735.51	1/2	8,006.61	1/2		1/2		1/2	
3/4	5,272.23	3/4	5,850.02	3/4	6,399.23	3/4	6,908.30	3/4	7,362.80	3/4	7,742.48	3/4	8,010.61	3/4		3/4		3/4	
7	5,284.50	7	5,861.81	7	6,410.32	7	6,918.42	7	7,371.61	7	7,749.46	7	8,014.61	7		7		7	
1/4	5,296.74	1/4	5,873.54	1/4	6,421.33	1/4	6,928.44	1/4	7,380.29	1/4	7,756.25	1/4	8,018.23	1/4		1/4		1/4	
1/2	5,308.97	1/2	5,885.28	1/2	6,432.35	1/2	6,938.46	1/2	7,388.97	1/2	7,763.04	1/2	8,021.85	1/2		1/2		1/2	
3/4	5,321.21	3/4	5,897.02	3/4	6,443.36	3/4	6,948.49	3/4	7,397.65	3/4	7,769.83	3/4	8,025.47	3/4		3/4		3/4	
8	5,333.45	8	5,908.76	8	6,454.38	8	6,958.51	8	7,406.32	8	7,776.62	8	8,029.10	8		8		8	
1/4	5,345.66	1/4	5,920.45	1/4	6,465.32	1/4	6,968.44	1/4	7,414.87	1/4	7,783.21	1/4	8,032.29	1/4		1/4		1/4	
1/2	5,357.86	1/2	5,932.14	1/2	6,476.27	1/2	6,978.36	1/2	7,423.42	1/2	7,789.80	1/2	8,035.49	1/2		1/2		1/2	
3/4	5,370.07	3/4	5,943.83	3/4	6,487.21	3/4	6,988.29	3/4	7,431.96	3/4	7,796.40	3/4	8,038.69	3/4		3/4		3/4	
9	5,382.27	9	5,955.51	9	6,498.15	9	6,998.22	9	7,440.51	9	7,802.99	9	8,041.89	9		9		9	
1/4	5,394.44	1/4	5,967.15	1/4	6,509.02	1/4	7,008.04	1/4	7,448.92	1/4	7,809.38	1/4	8,044.59	1/4		1/4		1/4	
1/2	5,406.61	1/2	5,978.78	1/2	6,519.89	1/2	7,017.87	1/2	7,457.33	1/2	7,815.77	1/2	8,047.29	1/2		1/2		1/2	
3/4	5,418.78	3/4	5,990.42	3/4	6,530.76	3/4	7,027.70	3/4	7,465.74	3/4	7,822.16	3/4	8,050.00	3/4		3/4		3/4	
10	5,430.95	10	6,002.05	10	6,541.64	10	7,037.52	10	7,474.15	10	7,828.56	10	8,052.70	10		10		10	
1/4	5,443.09	1/4	6,013.63	1/4	6,552.43	1/4	7,047.25	1/4	7,482.42	1/4	7,834.73	1/4	8,054.79	1/4		1/4		1/4	
1/2	5,455.22	1/2	6,025.21	1/2	6,563.22	1/2	7,056.97	1/2	7,490.69	1/2	7,840.91	1/2	8,056.88	1/2		1/2		1/2	
3/4	5,467.36	3/4	6,036.79	3/4	6,574.02	3/4	7,066.70	3/4	7,498.96	3/4	7,847.09	3/4	8,058.96	3/4		3/4		3/4	
11	5,479.49	11	6,048.38	11	6,584.81	11	7,076.42	11	7,507.23	11	7,853.27	11	8,061.05	11		11		11	
1/4	5,491.58	1/4	6,059.90	1/4	6,595.53	1/4	7,086.04	1/4	7,515.35	1/4	7,859.23	1/4	8,062.20	1/4		1/4		1/4	
1/2	5,503.68	1/2	6,071.42	1/2	6,606.25	1/2	7,095.66	1/2	7,523.48	1/2	7,865.19	1/2	8,063.34	1/2		1/2		1/2	
3/4	5,515.78	3/4	6,082.95	3/4	6,616.97	3/4	7,105.28	3/4	7,531.60	3/4	7,871.14	3/4	8,064.48	3/4		3/4		3/4	

STRAPPED: 03/11/2014 SW
CALCULATED: 03/12/2014 CL
PRINTED: 03/12/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2014

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "FMT 2038"

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	187.98	0	524.91	0	949.82	0	1,437.11	0	1,970.39	0	2,537.06	0	3,126.51	0	3,729.25	0	4,336.37
1/4	1.27	1/4	193.89	1/4	533.04	1/4	959.44	1/4	1,447.83	1/4	1,981.92	1/4	2,549.15	1/4	3,138.97	1/4	3,741.89	1/4	4,349.00
1/2	2.41	1/2	199.79	1/2	541.17	1/2	969.06	1/2	1,458.55	1/2	1,993.44	1/2	2,561.25	1/2	3,151.43	1/2	3,754.53	1/2	4,361.63
3/4	3.55	3/4	205.70	3/4	549.29	3/4	978.68	3/4	1,469.27	3/4	2,004.97	3/4	2,573.35	3/4	3,163.89	3/4	3,767.16	3/4	4,374.26
1	4.69	1	211.61	1	557.42	1	988.30	1	1,479.99	1	2,016.49	1	2,585.44	1	3,176.35	1	3,779.80	1	4,386.89
1/4	6.78	1/4	217.74	1/4	565.69	1/4	998.03	1/4	1,490.78	1/4	2,028.08	1/4	2,597.58	1/4	3,188.84	1/4	3,792.44	1/4	4,399.51
1/2	8.87	1/2	223.87	1/2	573.96	1/2	1,007.76	1/2	1,501.58	1/2	2,039.66	1/2	2,609.71	1/2	3,201.32	1/2	3,805.09	1/2	4,412.13
3/4	10.96	3/4	229.99	3/4	582.23	3/4	1,017.48	3/4	1,512.38	3/4	2,051.24	3/4	2,621.85	3/4	3,213.80	3/4	3,817.73	3/4	4,424.75
2	13.05	2	236.12	2	590.51	2	1,027.21	2	1,523.17	2	2,062.82	2	2,633.98	2	3,226.29	2	3,830.37	2	4,437.37
1/4	15.76	1/4	242.49	1/4	598.92	1/4	1,037.04	1/4	1,534.04	1/4	2,074.46	1/4	2,646.15	1/4	3,238.79	1/4	3,843.02	1/4	4,449.98
1/2	18.46	1/2	248.86	1/2	607.33	1/2	1,046.87	1/2	1,544.91	1/2	2,086.09	1/2	2,658.32	1/2	3,251.29	1/2	3,855.67	1/2	4,462.59
3/4	21.16	3/4	255.22	3/4	615.74	3/4	1,056.70	3/4	1,555.79	3/4	2,097.73	3/4	2,670.50	3/4	3,263.80	3/4	3,868.32	3/4	4,475.20
3	23.87	3	261.59	3	624.15	3	1,066.52	3	1,566.66	3	2,109.37	3	2,682.67	3	3,276.30	3	3,880.97	3	4,487.81
1/4	27.07	1/4	268.19	1/4	632.70	1/4	1,076.45	1/4	1,577.60	1/4	2,121.06	1/4	2,694.87	1/4	3,288.82	1/4	3,893.62	1/4	4,500.41
1/2	30.27	1/2	274.78	1/2	641.25	1/2	1,086.38	1/2	1,588.55	1/2	2,132.74	1/2	2,707.08	1/2	3,301.35	1/2	3,906.27	1/2	4,513.01
3/4	33.46	3/4	281.38	3/4	649.80	3/4	1,096.31	3/4	1,599.49	3/4	2,144.43	3/4	2,719.29	3/4	3,313.87	3/4	3,918.92	3/4	4,525.61
4	36.66	4	287.97	4	658.34	4	1,106.23	4	1,610.44	4	2,156.12	4	2,731.49	4	3,326.39	4	3,931.57	4	4,538.21
1/4	40.29	1/4	294.76	1/4	667.02	1/4	1,116.26	1/4	1,621.46	1/4	2,177.86	1/4	2,743.73	1/4	3,338.93	1/4	3,944.23	1/4	4,550.80
1/2	43.91	1/2	301.55	1/2	675.70	1/2	1,126.28	1/2	1,632.47	1/2	2,179.60	1/2	2,755.97	1/2	3,351.47	1/2	3,956.88	1/2	4,563.38
3/4	47.53	3/4	308.34	3/4	684.38	3/4	1,136.31	3/4	1,643.49	3/4	2,191.34	3/4	2,768.21	3/4	3,364.02	3/4	3,969.54	3/4	4,575.97
5	51.16	5	315.13	5	693.06	5	1,146.33	5	1,654.51	5	2,203.09	5	2,780.45	5	3,376.56	5	3,982.19	5	4,588.55
1/4	55.16	1/4	322.11	1/4	701.87	1/4	1,156.45	1/4	1,665.59	1/4	2,214.88	1/4	2,792.73	1/4	3,389.11	1/4	3,994.85	1/4	4,601.13
1/2	59.16	1/2	329.09	1/2	710.68	1/2	1,166.57	1/2	1,676.68	1/2	2,226.67	1/2	2,805.00	1/2	3,401.67	1/2	4,007.50	1/2	4,613.70
3/4	63.16	3/4	336.07	3/4	719.49	3/4	1,176.69	3/4	1,687.77	3/4	2,238.46	3/4	2,817.27	3/4	3,414.23	3/4	4,020.16	3/4	4,626.27
6	67.16	6	343.05	6	728.30	6	1,186.81	6	1,698.85	6	2,250.25	6	2,829.54	6	3,426.78	6	4,032.81	6	4,638.84
1/4	71.50	1/4	350.21	1/4	737.24	1/4	1,197.02	1/4	1,710.01	1/4	2,262.08	1/4	2,841.85	1/4	3,439.36	1/4	4,045.47	1/4	4,651.40
1/2	75.85	1/2	357.37	1/2	746.17	1/2	1,207.23	1/2	1,721.16	1/2	2,273.92	1/2	2,854.15	1/2	3,451.93	1/2	4,058.13	1/2	4,663.96
3/4	80.19	3/4	364.53	3/4	755.11	3/4	1,217.45	3/4	1,732.31	3/4	2,285.76	3/4	2,866.46	3/4	3,464.50	3/4	4,070.78	3/4	4,676.51
7	84.53	7	371.69	7	764.04	7	1,227.66	7	1,743.47	7	2,297.60	7	2,878.76	7	3,477.07	7	4,083.44	7	4,689.07
1/4	89.19	1/4	379.02	1/4	773.10	1/4	1,237.96	1/4	1,754.69	1/4	2,309.49	1/4	2,891.09	1/4	3,489.66	1/4	4,096.09	1/4	4,701.61
1/2	93.85	1/2	386.36	1/2	782.15	1/2	1,248.26	1/2	1,765.91	1/2	2,321.37	1/2	2,903.43	1/2	3,502.25	1/2	4,108.75	1/2	4,714.15
3/4	98.51	3/4	393.69	3/4	791.21	3/4	1,258.56	3/4	1,777.13	3/4	2,333.26	3/4	2,915.76	3/4	3,514.83	3/4	4,121.40	3/4	4,726.69
8	103.16	8	401.02	8	800.27	8	1,268.86	8	1,788.35	8	2,345.14	8	2,928.09	8	3,527.42	8	4,134.05	8	4,739.23
1/4	108.09	1/4	408.53	1/4	809.44	1/4	1,279.25	1/4	1,799.64	1/4	2,357.07	1/4	2,940.45	1/4	3,540.02	1/4	4,146.71	1/4	4,751.76
1/2	113.01	1/2	416.03	1/2	818.62	1/2	1,289.64	1/2	1,810.92	1/2	2,369.00	1/2	2,952.82	1/2	3,552.62	1/2	4,159.36	1/2	4,764.28
3/4	117.94	3/4	423.53	3/4	827.80	3/4	1,300.03	3/4	1,822.21	3/4	2,380.93	3/4	2,965.18	3/4	3,565.22	3/4	4,172.01	3/4	4,776.80
9	122.86	9	431.04	9	836.97	9	1,310.42	9	1,833.49	9	2,392.86	9	2,977.54	9	3,577.81	9	4,184.66	9	4,789.33
1/4	128.04	1/4	438.70	1/4	846.26	1/4	1,320.90	1/4	1,844.84	1/4	2,404.84	1/4	2,989.93	1/4	3,590.42	1/4	4,197.31	1/4	4,801.83
1/2	133.21	1/2	446.37	1/2	855.56	1/2	1,331.37	1/2	1,856.19	1/2	2,416.81	1/2	3,002.32	1/2	3,603.03	1/2	4,209.96	1/2	4,814.33
3/4	138.38	3/4	454.04	3/4	864.85	3/4	1,341.85	3/4	1,867.54	3/4	2,428.79	3/4	3,014.71	3/4	3,615.65	3/4	4,222.61	3/4	4,826.84
10	143.55	10	461.70	10	874.14	10	1,352.32	10	1,878.88	10	2,440.76	10	3,027.09	10	3,628.26	10	4,235.25	10	4,839.34
1/4	148.98	1/4	469.53	1/4	883.54	1/4	1,362.88	1/4	1,890.29	1/4	2,452.78	1/4	3,039.51	1/4	3,640.88	1/4	4,247.90	1/4	4,851.82
1/2	154.42	1/2	477.35	1/2	892.95	1/2	1,373.44	1/2	1,901.70	1/2	2,464.79	1/2	3,051.92	1/2	3,653.50	1/2	4,260.54	1/2	4,864.31
3/4	159.85	3/4	485.18	3/4	902.35	3/4	1,383.99	3/4	1,913.11	3/4	2,476.81	3/4	3,064.34	3/4	3,666.12	3/4	4,273.18	3/4	4,876.79
11	165.28	11	493.00	11	911.76	11	1,394.55	11	1,924.52	11	2,488.83	11	3,076.75	11	3,678.74	11	4,285.83	11	4,889.27
1/4	170.95	1/4	500.98	1/4	921.27	1/4	1,405.19	1/4	1,935.99	1/4	2,500.88	1/4	3,089.19	1/4	3,691.37	1/4	4,298.46	1/4	4,901.74
1/2	176.63	1/2	508.96	1/2	930.79	1/2	1,415.83	1/2	1,947.45	1/2	2,512.94	1/2	3,101.63	1/2	3,704.00	1/2	4,311.10	1/2	4,914.20
3/4	182.30	3/4	516.94	3/4	940.30	3/4	1,426.47	3/4	1,958.92	3/4	2,525.00	3/4	3,114.07	3/4	3,716.62	3/4	4,323.74	3/4	4,926.66

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
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BARGE "FMT 2038"

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	4,939.12	0	5,528.57	0	6,095.24	0	6,628.52	0	7,115.81	0	7,540.71	0	7,878.17	0	8,066.74	0		0	
1/4	4,951.56	1/4	5,540.63	1/4	6,106.71	1/4	6,639.16	1/4	7,125.33	1/4	7,548.69	1/4	7,883.89	1/4		1/4		1/4	
1/2	4,964.00	1/2	5,552.69	1/2	6,118.17	1/2	6,649.80	1/2	7,134.84	1/2	7,556.67	1/2	7,889.62	1/2		1/2		1/2	
3/4	4,976.44	3/4	5,564.74	3/4	6,129.64	3/4	6,660.44	3/4	7,144.36	3/4	7,564.65	3/4	7,895.35	3/4		3/4		3/4	
1	4,988.88	1	5,576.80	1	6,141.11	1	6,671.08	1	7,153.87	1	7,572.63	1	7,901.07	1		1		1	
1/4	5,001.29	1/4	5,588.82	1/4	6,152.52	1/4	6,681.63	1/4	7,163.28	1/4	7,580.45	1/4	7,906.56	1/4		1/4		1/4	
1/2	5,013.70	1/2	5,600.83	1/2	6,163.93	1/2	6,692.19	1/2	7,172.68	1/2	7,588.28	1/2	7,912.04	1/2		1/2		1/2	
3/4	5,026.12	3/4	5,612.85	3/4	6,175.34	3/4	6,702.75	3/4	7,182.08	3/4	7,596.10	3/4	7,917.52	3/4		3/4		3/4	
2	5,038.53	2	5,624.87	2	6,186.74	2	6,713.31	2	7,191.49	2	7,603.93	2	7,923.00	2		2		2	
1/4	5,050.92	1/4	5,636.84	1/4	6,198.09	1/4	6,723.78	1/4	7,200.78	1/4	7,611.59	1/4	7,928.23	1/4		1/4		1/4	
1/2	5,063.31	1/2	5,648.82	1/2	6,209.44	1/2	6,734.26	1/2	7,210.07	1/2	7,619.26	1/2	7,933.45	1/2		1/2		1/2	
3/4	5,075.70	3/4	5,660.79	3/4	6,220.79	3/4	6,744.73	3/4	7,219.36	3/4	7,626.93	3/4	7,938.68	3/4		3/4		3/4	
3	5,088.09	3	5,672.77	3	6,232.14	3	6,755.21	3	7,228.66	3	7,634.59	3	7,943.90	3		3		3	
1/4	5,100.45	1/4	5,684.70	1/4	6,243.42	1/4	6,765.60	1/4	7,237.83	1/4	7,642.09	1/4	7,948.85	1/4		1/4		1/4	
1/2	5,112.81	1/2	5,696.63	1/2	6,254.71	1/2	6,775.99	1/2	7,247.01	1/2	7,649.60	1/2	7,953.80	1/2		1/2		1/2	
3/4	5,125.17	3/4	5,708.56	3/4	6,265.99	3/4	6,786.37	3/4	7,256.18	3/4	7,657.10	3/4	7,958.75	3/4		3/4		3/4	
4	5,137.53	4	5,720.49	4	6,277.28	4	6,796.76	4	7,265.36	4	7,664.60	4	7,963.70	4		4		4	
1/4	5,149.87	1/4	5,732.37	1/4	6,288.50	1/4	6,807.07	1/4	7,274.42	1/4	7,671.94	1/4	7,968.36	1/4		1/4		1/4	
1/2	5,162.20	1/2	5,744.26	1/2	6,299.72	1/2	6,817.37	1/2	7,283.47	1/2	7,679.27	1/2	7,973.02	1/2		1/2		1/2	
3/4	5,174.53	3/4	5,756.14	3/4	6,310.94	3/4	6,827.67	3/4	7,292.53	3/4	7,686.61	3/4	7,977.68	3/4		3/4		3/4	
5	5,186.87	5	5,768.03	5	6,322.16	5	6,837.97	5	7,301.59	5	7,693.94	5	7,982.34	5		5		5	
1/4	5,199.17	1/4	5,779.87	1/4	6,333.31	1/4	6,848.18	1/4	7,310.52	1/4	7,701.10	1/4	7,986.68	1/4		1/4		1/4	
1/2	5,211.48	1/2	5,791.70	1/2	6,344.47	1/2	6,858.39	1/2	7,319.46	1/2	7,708.26	1/2	7,991.02	1/2		1/2		1/2	
3/4	5,223.78	3/4	5,803.54	3/4	6,355.62	3/4	6,868.60	3/4	7,328.39	3/4	7,715.42	3/4	7,995.37	3/4		3/4		3/4	
6	5,236.08	6	5,815.38	6	6,366.78	6	6,878.82	6	7,337.33	6	7,722.58	6	7,999.71	6		6		6	
1/4	5,248.36	1/4	5,827.17	1/4	6,377.86	1/4	6,888.94	1/4	7,346.14	1/4	7,729.56	1/4	8,003.71	1/4		1/4		1/4	
1/2	5,260.63	1/2	5,838.96	1/2	6,388.95	1/2	6,899.06	1/2	7,354.94	1/2	7,736.54	1/2	8,007.71	1/2		1/2		1/2	
3/4	5,272.90	3/4	5,850.75	3/4	6,400.04	3/4	6,909.17	3/4	7,363.75	3/4	7,743.51	3/4	8,011.71	3/4		3/4		3/4	
7	5,285.17	7	5,862.54	7	6,411.12	7	6,919.29	7	7,372.56	7	7,750.49	7	8,015.71	7		7		7	
1/4	5,297.41	1/4	5,874.28	1/4	6,422.14	1/4	6,929.32	1/4	7,381.24	1/4	7,757.28	1/4	8,019.34	1/4		1/4		1/4	
1/2	5,309.65	1/2	5,886.02	1/2	6,433.16	1/2	6,939.34	1/2	7,389.92	1/2	7,764.07	1/2	8,022.96	1/2		1/2		1/2	
3/4	5,321.89	3/4	5,897.76	3/4	6,444.17	3/4	6,949.37	3/4	7,398.60	3/4	7,770.86	3/4	8,026.58	3/4		3/4		3/4	
8	5,334.14	8	5,909.50	8	6,455.19	8	6,959.39	8	7,407.28	8	7,777.66	8	8,030.21	8		8		8	
1/4	5,346.34	1/4	5,921.19	1/4	6,466.13	1/4	6,969.32	1/4	7,415.83	1/4	7,784.25	1/4	8,033.40	1/4		1/4		1/4	
1/2	5,358.55	1/2	5,932.88	1/2	6,477.08	1/2	6,979.25	1/2	7,424.38	1/2	7,790.85	1/2	8,036.60	1/2		1/2		1/2	
3/4	5,370.75	3/4	5,944.57	3/4	6,488.02	3/4	6,989.18	3/4	7,432.93	3/4	7,797.44	3/4	8,039.80	3/4		3/4		3/4	
9	5,382.96	9	5,956.26	9	6,498.97	9	6,999.10	9	7,441.48	9	7,804.04	9	8,043.00	9		9		9	
1/4	5,395.13	1/4	5,967.90	1/4	6,509.84	1/4	7,008.93	1/4	7,449.89	1/4	7,810.43	1/4	8,045.70	1/4		1/4		1/4	
1/2	5,407.30	1/2	5,979.53	1/2	6,520.71	1/2	7,018.76	1/2	7,458.30	1/2	7,816.82	1/2	8,048.41	1/2		1/2		1/2	
3/4	5,419.48	3/4	5,991.17	3/4	6,531.58	3/4	7,028.59	3/4	7,466.71	3/4	7,823.22	3/4	8,051.11	3/4		3/4		3/4	
10	5,431.65	10	6,002.81	10	6,542.46	10	7,038.42	10	7,475.12	10	7,829.61	10	8,053.82	10		10		10	
1/4	5,443.78	1/4	6,014.39	1/4	6,553.25	1/4	7,048.14	1/4	7,483.39	1/4	7,835.79	1/4	8,055.91	1/4		1/4		1/4	
1/2	5,455.92	1/2	6,025.97	1/2	6,564.05	1/2	7,057.87	1/2	7,491.66	1/2	7,841.97	1/2	8,058.00	1/2		1/2		1/2	
3/4	5,468.05	3/4	6,037.55	3/4	6,574.85	3/4	7,067.60	3/4	7,499.94	3/4	7,848.15	3/4	8,060.08	3/4		3/4		3/4	
11	5,480.19	11	6,049.13	11	6,585.64	11	7,077.32	11	7,508.21	11	7,854.33	11	8,062.17	11		11		11	
1/4	5,492.28	1/4	6,060.66	1/4	6,596.36	1/4	7,086.95	1/4	7,516.33	1/4	7,860.29	1/4	8,063.32	1/4		1/4		1/4	
1/2	5,504.38	1/2	6,072.19	1/2	6,607.08	1/2	7,096.57	1/2	7,524.46	1/2	7,866.25	1/2	8,064.46	1/2		1/2		1/2	
3/4	5,516.48	3/4	6,083.71	3/4	6,617.80	3/4	7,106.19	3/4	7,532.59	3/4	7,872.21	3/4	8,065.60	3/4		3/4		3/4	

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CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2014

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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