



BARGE "KIRBY 16814"

PORT HORIZONTAL INNAGE TABLE

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	0.37	0	202.18	0	563.02	0	1,014.87	0	1,534.96	0	2,103.54	0	2,707.01	0	3,333.89	0	3,973.88	0	4,617.27
1/4	1.59	1/4	208.55	1/4	571.64	1/4	1,025.15	1/4	1,546.40	1/4	2,115.82	1/4	2,719.88	1/4	3,347.13	1/4	3,987.29	1/4	4,630.64
1/2	2.81	1/2	214.93	1/2	580.26	1/2	1,035.42	1/2	1,557.83	1/2	2,128.10	1/2	2,732.75	1/2	3,360.37	1/2	4,000.69	1/2	4,644.01
3/4	4.03	3/4	221.30	3/4	588.88	3/4	1,045.69	3/4	1,569.26	3/4	2,140.39	3/4	2,745.63	3/4	3,373.61	3/4	4,014.10	3/4	4,657.37
1	5.26	1	227.68	1	597.50	1	1,055.97	1	1,580.70	1	2,152.67	1	2,758.50	1	3,386.86	1	4,027.50	1	4,670.74
1/4	7.49	1/4	234.29	1/4	606.28	1/4	1,066.35	1/4	1,592.21	1/4	2,165.01	1/4	2,771.41	1/4	3,400.12	1/4	4,040.91	1/4	4,684.09
1/2	9.73	1/2	240.90	1/2	615.05	1/2	1,076.74	1/2	1,603.73	1/2	2,177.35	1/2	2,784.32	1/2	3,413.38	1/2	4,054.32	1/2	4,697.45
3/4	11.97	3/4	247.51	3/4	623.83	3/4	1,087.12	3/4	1,615.25	3/4	2,189.69	3/4	2,797.24	3/4	3,426.65	3/4	4,067.73	3/4	4,710.81
2	14.21	2	254.12	2	632.60	2	1,097.51	2	1,626.76	2	2,202.03	2	2,810.15	2	3,439.91	2	4,081.14	2	4,724.16
1/4	17.10	1/4	260.96	1/4	641.52	1/4	1,108.00	1/4	1,638.36	1/4	2,214.42	1/4	2,823.10	1/4	3,453.19	1/4	4,094.55	1/4	4,737.50
1/2	19.99	1/2	267.80	1/2	650.45	1/2	1,118.49	1/2	1,649.95	1/2	2,226.82	1/2	2,836.05	1/2	3,466.48	1/2	4,107.96	1/2	4,750.84
3/4	22.89	3/4	274.64	3/4	659.37	3/4	1,128.99	3/4	1,661.55	3/4	2,239.22	3/4	2,849.00	3/4	3,479.76	3/4	4,121.37	3/4	4,764.19
3	25.78	3	281.47	3	668.30	3	1,139.48	3	1,673.14	3	2,251.61	3	2,861.95	3	3,493.04	3	4,134.79	3	4,777.53
1/4	29.21	1/4	288.53	1/4	677.36	1/4	1,150.08	1/4	1,684.81	1/4	2,264.06	1/4	2,874.93	1/4	3,506.35	1/4	4,148.20	1/4	4,790.85
1/2	32.63	1/2	295.58	1/2	686.43	1/2	1,160.68	1/2	1,696.49	1/2	2,276.52	1/2	2,887.92	1/2	3,519.65	1/2	4,161.61	1/2	4,804.18
3/4	36.06	3/4	302.64	3/4	695.50	3/4	1,171.27	3/4	1,708.16	3/4	2,288.97	3/4	2,900.91	3/4	3,532.95	3/4	4,175.03	3/4	4,817.51
4	39.48	4	309.69	4	704.57	4	1,181.87	4	1,719.83	4	2,301.42	4	2,913.89	4	3,546.25	4	4,188.44	4	4,830.83
1/4	43.36	1/4	316.95	1/4	713.78	1/4	1,192.57	1/4	1,731.58	1/4	2,313.92	1/4	2,926.91	1/4	3,559.57	1/4	4,201.86	1/4	4,844.14
1/2	47.24	1/2	324.22	1/2	722.99	1/2	1,203.27	1/2	1,743.33	1/2	2,326.43	1/2	2,939.93	1/2	3,572.89	1/2	4,215.27	1/2	4,857.45
3/4	51.12	3/4	331.48	3/4	732.20	3/4	1,213.97	3/4	1,755.07	3/4	2,338.93	3/4	2,952.95	3/4	3,586.21	3/4	4,228.68	3/4	4,870.76
5	55.00	5	338.74	5	741.41	5	1,224.68	5	1,766.82	5	2,351.44	5	2,965.97	5	3,599.53	5	4,242.10	5	4,884.08
1/4	59.28	1/4	346.20	1/4	750.76	1/4	1,235.48	1/4	1,778.64	1/4	2,364.00	1/4	2,979.02	1/4	3,612.86	1/4	4,255.51	1/4	4,897.37
1/2	63.56	1/2	353.67	1/2	760.10	1/2	1,246.28	1/2	1,790.46	1/2	2,376.55	1/2	2,992.08	1/2	3,626.19	1/2	4,268.93	1/2	4,910.66
3/4	67.84	3/4	361.13	3/4	769.45	3/4	1,257.08	3/4	1,802.29	3/4	2,389.11	3/4	3,005.13	3/4	3,639.53	3/4	4,282.34	3/4	4,923.95
6	72.12	6	368.59	6	778.80	6	1,267.88	6	1,814.11	6	2,401.67	6	3,018.18	6	3,652.86	6	4,295.75	6	4,937.25
1/4	76.77	1/4	376.25	1/4	788.28	1/4	1,278.78	1/4	1,826.00	1/4	2,414.27	1/4	3,031.27	1/4	3,666.21	1/4	4,309.16	1/4	4,950.52
1/2	81.42	1/2	383.90	1/2	797.76	1/2	1,289.68	1/2	1,837.89	1/2	2,426.88	1/2	3,044.35	1/2	3,679.56	1/2	4,322.57	1/2	4,963.79
3/4	86.07	3/4	391.56	3/4	807.24	3/4	1,300.57	3/4	1,849.78	3/4	2,439.49	3/4	3,057.44	3/4	3,692.91	3/4	4,335.98	3/4	4,977.07
7	90.72	7	399.21	7	816.72	7	1,311.47	7	1,861.68	7	2,452.09	7	3,070.52	7	3,706.26	7	4,349.39	7	4,990.34
1/4	95.70	1/4	407.05	1/4	826.33	1/4	1,322.47	1/4	1,873.64	1/4	2,464.75	1/4	3,083.63	1/4	3,719.62	1/4	4,362.80	1/4	5,003.59
1/2	100.69	1/2	414.90	1/2	835.94	1/2	1,333.46	1/2	1,885.60	1/2	2,477.40	1/2	3,096.75	1/2	3,732.98	1/2	4,376.21	1/2	5,016.85
3/4	105.67	3/4	422.74	3/4	845.54	3/4	1,344.45	3/4	1,897.56	3/4	2,490.06	3/4	3,109.86	3/4	3,746.34	3/4	4,389.62	3/4	5,030.10
8	110.66	8	430.58	8	855.15	8	1,355.45	8	1,909.52	8	2,502.71	8	3,122.98	8	3,759.70	8	4,403.02	8	5,043.35
1/4	115.95	1/4	438.60	1/4	864.96	1/4	1,366.53	1/4	1,921.55	1/4	2,515.42	1/4	3,136.12	1/4	3,773.08	1/4	4,416.42	1/4	5,056.58
1/2	121.25	1/2	446.62	1/2	874.76	1/2	1,377.62	1/2	1,933.58	1/2	2,528.12	1/2	3,149.26	1/2	3,786.45	1/2	4,429.83	1/2	5,069.81
3/4	126.55	3/4	454.65	3/4	884.56	3/4	1,388.71	3/4	1,945.61	3/4	2,540.82	3/4	3,162.41	3/4	3,799.82	3/4	4,443.23	3/4	5,083.05
9	131.85	9	462.67	9	894.36	9	1,399.79	9	1,957.64	9	2,553.52	9	3,175.55	9	3,813.19	9	4,456.63	9	5,096.28
1/4	137.44	1/4	470.86	1/4	904.28	1/4	1,410.97	1/4	1,969.74	1/4	2,566.27	1/4	3,188.72	1/4	3,826.58	1/4	4,470.02	1/4	5,109.48
1/2	143.03	1/2	479.06	1/2	914.21	1/2	1,422.15	1/2	1,981.83	1/2	2,579.02	1/2	3,201.89	1/2	3,839.96	1/2	4,483.42	1/2	5,122.69
3/4	148.62	3/4	487.25	3/4	924.13	3/4	1,433.32	3/4	1,993.93	3/4	2,591.76	3/4	3,215.06	3/4	3,853.34	3/4	4,496.82	3/4	5,135.90
10	154.21	10	495.45	10	934.05	10	1,444.50	10	2,006.02	10	2,604.51	10	3,228.23	10	3,866.72	10	4,510.21	10	5,149.11
1/4	160.07	1/4	503.81	1/4	944.10	1/4	1,455.77	1/4	2,018.18	1/4	2,617.30	1/4	3,241.42	1/4	3,880.12	1/4	4,523.60	1/4	5,162.29
1/2	165.94	1/2	512.18	1/2	954.14	1/2	1,467.03	1/2	2,030.34	1/2	2,630.09	1/2	3,254.62	1/2	3,893.51	1/2	4,536.98	1/2	5,175.47
3/4	171.81	3/4	520.54	3/4	964.19	3/4	1,478.29	3/4	2,042.50	3/4	2,642.88	3/4	3,267.81	3/4	3,906.90	3/4	4,550.37	3/4	5,188.66
11	177.67	11	528.91	11	974.23	11	1,489.56	11	2,054.66	11	2,655.67	11	3,281.01	11	3,920.29	11	4,563.76	11	5,201.84
1/4	183.80	1/4	537.43	1/4	984.39	1/4	1,500.91	1/4	2,066.88	1/4	2,668.51	1/4	3,294.23	1/4	3,933.69	1/4	4,577.14	1/4	5,214.99
1/2	189.93	1/2	545.96	1/2	994.55	1/2	1,512.26	1/2	2,079.10	1/2	2,681.34	1/2	3,307.45	1/2	3,947.09	1/2	4,590.52	1/2	5,228.15
3/4	196.05	3/4	554.49	3/4	1,004.71	3/4	1,523.61	3/4	2,091.32	3/4	2,694.17	3/4	3,320.67	3/4	3,960.49	3/4	4,603.89	3/4	5,241.31

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



BARGE "KIRBY 16814"

PORT HORIZONTAL INNAGE TABLE

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	5,254.46	0	5,875.62	0	6,470.16	0	7,026.14	0	7,529.03	0	7,959.28	0	8,284.19	0		0		0	
1/4	5,267.59	1/4	5,888.30	1/4	6,482.16	1/4	7,037.18	1/4	7,538.77	1/4	7,967.21	1/4	8,289.33	1/4		1/4		1/4	
1/2	5,280.72	1/2	5,900.98	1/2	6,494.16	1/2	7,048.22	1/2	7,548.51	1/2	7,975.14	1/2	8,294.47	1/2		1/2		1/2	
3/4	5,293.85	3/4	5,913.65	3/4	6,506.15	3/4	7,059.26	3/4	7,558.24	3/4	7,983.08	3/4	8,299.61	3/4		3/4		3/4	
1	5,306.98	1	5,926.33	1	6,518.15	1	7,070.30	1	7,567.98	1	7,991.01	1	8,304.75	1		1		1	
1/4	5,320.08	1/4	5,938.96	1/4	6,530.08	1/4	7,081.25	1/4	7,577.59	1/4	7,998.76	1/4	8,309.57	1/4		1/4		1/4	
1/2	5,333.18	1/2	5,951.60	1/2	6,542.00	1/2	7,092.19	1/2	7,587.20	1/2	8,006.51	1/2	8,314.39	1/2		1/2		1/2	
3/4	5,346.28	3/4	5,964.23	3/4	6,553.93	3/4	7,103.14	3/4	7,596.81	3/4	8,014.26	3/4	8,319.21	3/4		3/4		3/4	
2	5,359.38	2	5,976.86	2	6,565.86	2	7,114.09	2	7,606.42	2	8,022.01	2	8,324.03	2		2		2	
1/4	5,372.45	1/4	5,989.44	1/4	6,577.71	1/4	7,124.94	1/4	7,615.90	1/4	8,029.57	1/4	8,328.50	1/4		1/4		1/4	
1/2	5,385.51	1/2	6,002.02	1/2	6,589.57	1/2	7,135.79	1/2	7,625.38	1/2	8,037.13	1/2	8,332.97	1/2		1/2		1/2	
3/4	5,398.58	3/4	6,014.60	3/4	6,601.43	3/4	7,146.64	3/4	7,634.86	3/4	8,044.69	3/4	8,337.43	3/4		3/4		3/4	
3	5,411.65	3	6,027.19	3	6,613.28	3	7,157.49	3	7,644.34	3	8,052.25	3	8,341.90	3		3		3	
1/4	5,424.69	1/4	6,039.72	1/4	6,625.07	1/4	7,168.24	1/4	7,653.68	1/4	8,059.61	1/4	8,345.99	1/4		1/4		1/4	
1/2	5,437.73	1/2	6,052.25	1/2	6,636.85	1/2	7,178.99	1/2	7,663.03	1/2	8,066.98	1/2	8,350.08	1/2		1/2		1/2	
3/4	5,450.76	3/4	6,064.78	3/4	6,648.64	3/4	7,189.74	3/4	7,672.37	3/4	8,074.34	3/4	8,354.16	3/4		3/4		3/4	
4	5,463.80	4	6,077.31	4	6,660.42	4	7,200.49	4	7,681.72	4	8,081.70	4	8,358.25	4		4		4	
1/4	5,476.80	1/4	6,089.79	1/4	6,672.13	1/4	7,211.14	1/4	7,690.92	1/4	8,088.86	1/4	8,361.91	1/4		1/4		1/4	
1/2	5,489.81	1/2	6,102.27	1/2	6,683.84	1/2	7,221.79	1/2	7,700.13	1/2	8,096.02	1/2	8,365.57	1/2		1/2		1/2	
3/4	5,502.81	3/4	6,114.75	3/4	6,695.55	3/4	7,232.44	3/4	7,709.33	3/4	8,103.18	3/4	8,369.23	3/4		3/4		3/4	
5	5,515.81	5	6,127.23	5	6,707.26	5	7,243.09	5	7,718.54	5	8,110.34	5	8,372.89	5		5		5	
1/4	5,528.78	1/4	6,139.65	1/4	6,718.90	1/4	7,253.64	1/4	7,727.60	1/4	8,117.29	1/4	8,376.06	1/4		1/4		1/4	
1/2	5,541.75	1/2	6,152.07	1/2	6,730.53	1/2	7,264.18	1/2	7,736.66	1/2	8,124.24	1/2	8,379.23	1/2		1/2		1/2	
3/4	5,554.72	3/4	6,164.50	3/4	6,742.17	3/4	7,274.73	3/4	7,745.72	3/4	8,131.18	3/4	8,382.40	3/4		3/4		3/4	
6	5,567.68	6	6,176.92	6	6,753.80	6	7,285.28	6	7,754.78	6	8,138.13	6	8,385.57	6		6		6	
1/4	5,580.61	1/4	6,189.29	1/4	6,765.36	1/4	7,295.72	1/4	7,763.70	1/4	8,144.86	1/4	8,388.16	1/4		1/4		1/4	
1/2	5,593.55	1/2	6,201.66	1/2	6,776.91	1/2	7,306.16	1/2	7,772.61	1/2	8,151.58	1/2	8,390.75	1/2		1/2		1/2	
3/4	5,606.48	3/4	6,214.03	3/4	6,788.47	3/4	7,316.60	3/4	7,781.53	3/4	8,158.31	3/4	8,393.33	3/4		3/4		3/4	
7	5,619.41	7	6,226.40	7	6,800.02	7	7,327.04	7	7,790.44	7	8,165.03	7	8,395.92	7		7		7	
1/4	5,632.30	1/4	6,238.71	1/4	6,811.50	1/4	7,337.37	1/4	7,799.21	1/4	8,171.52	1/4	8,397.74	1/4		1/4		1/4	
1/2	5,645.19	1/2	6,251.02	1/2	6,822.97	1/2	7,347.70	1/2	7,807.97	1/2	8,178.01	1/2	8,399.55	1/2		1/2		1/2	
3/4	5,658.09	3/4	6,263.33	3/4	6,834.45	3/4	7,358.03	3/4	7,816.73	3/4	8,184.50	3/4	8,401.37	3/4		3/4		3/4	
8	5,670.98	8	6,275.64	8	6,845.92	8	7,368.36	8	7,825.50	8	8,190.99	8	8,403.18	8		8		8	
1/4	5,683.83	1/4	6,287.89	1/4	6,857.32	1/4	7,378.57	1/4	7,834.10	1/4	8,197.21	1/4	8,404.05	1/4		1/4		1/4	
1/2	5,696.69	1/2	6,300.14	1/2	6,868.71	1/2	7,388.79	1/2	7,842.71	1/2	8,203.43	1/2	8,404.91	1/2		1/2		1/2	
3/4	5,709.54	3/4	6,312.39	3/4	6,880.10	3/4	7,399.01	3/4	7,851.32	3/4	8,209.66	3/4		3/4		3/4		3/4	
9	5,722.39	9	6,324.64	9	6,891.50	9	7,409.23	9	7,859.93	9	8,215.88	9		9		9		9	
1/4	5,735.21	1/4	6,336.83	1/4	6,902.80	1/4	7,419.33	1/4	7,868.37	1/4	8,219.84	1/4		1/4		1/4		1/4	
1/2	5,748.02	1/2	6,349.03	1/2	6,914.11	1/2	7,429.43	1/2	7,876.82	1/2	8,227.81	1/2		1/2		1/2		1/2	
3/4	5,760.83	3/4	6,361.22	3/4	6,925.42	3/4	7,439.54	3/4	7,885.27	3/4	8,233.77	3/4		3/4		3/4		3/4	
10	5,773.64	10	6,373.41	10	6,936.73	10	7,449.64	10	7,893.71	10	8,239.74	10		10		10		10	
1/4	5,786.41	1/4	6,385.53	1/4	6,947.95	1/4	7,459.62	1/4	7,902.00	1/4	8,245.44	1/4		1/4		1/4		1/4	
1/2	5,799.18	1/2	6,397.66	1/2	6,959.17	1/2	7,469.61	1/2	7,910.28	1/2	8,251.14	1/2		1/2		1/2		1/2	
3/4	5,811.95	3/4	6,409.79	3/4	6,970.39	3/4	7,479.59	3/4	7,918.56	3/4	8,256.83	3/4		3/4		3/4		3/4	
11	5,824.72	11	6,421.91	11	6,981.61	11	7,489.58	11	7,926.84	11	8,262.53	11		11		11		11	
1/4	5,837.44	1/4	6,433.98	1/4	6,992.74	1/4	7,499.44	1/4	7,934.95	1/4	8,267.94	1/4		1/4		1/4		1/4	
1/2	5,850.17	1/2	6,446.04	1/2	7,003.87	1/2	7,509.30	1/2	7,943.06	1/2	8,273.36	1/2		1/2		1/2		1/2	
3/4	5,862.89	3/4	6,458.10	3/4	7,015.01	3/4	7,519.17	3/4	7,951.17	3/4	8,278.77	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/06/2011 CL - SW
CALCULATED: 10/06/2011 CL
PRINTED: 10/06/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2011

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



BARGE "KIRBY 16814"

STBD HORIZONTAL INNAGE TABLE

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	0.37	0	202.21	0	563.12	0	1,015.10	0	1,535.35	0	2,104.12	0	2,707.80	0	3,334.92	0	3,975.15	0	4,618.78
1/4	1.59	1/4	208.58	1/4	571.75	1/4	1,025.38	1/4	1,546.79	1/4	2,116.41	1/4	2,720.68	1/4	3,348.16	1/4	3,988.56	1/4	4,632.16
1/2	2.81	1/2	214.96	1/2	580.37	1/2	1,035.66	1/2	1,558.23	1/2	2,128.70	1/2	2,733.56	1/2	3,361.41	1/2	4,001.97	1/2	4,645.53
3/4	4.03	3/4	221.34	3/4	588.99	3/4	1,045.93	3/4	1,569.67	3/4	2,140.98	3/4	2,746.44	3/4	3,374.66	3/4	4,015.38	3/4	4,658.90
1	5.26	1	227.71	1	597.62	1	1,056.21	1	1,581.11	1	2,153.27	1	2,759.32	1	3,387.91	1	4,028.79	1	4,672.27
1/4	7.49	1/4	234.32	1/4	606.39	1/4	1,066.60	1/4	1,592.62	1/4	2,165.61	1/4	2,772.23	1/4	3,401.17	1/4	4,042.21	1/4	4,685.63
1/2	9.73	1/2	240.94	1/2	615.17	1/2	1,076.99	1/2	1,604.14	1/2	2,177.95	1/2	2,785.15	1/2	3,414.44	1/2	4,055.62	1/2	4,698.99
3/4	11.97	3/4	247.55	3/4	623.95	3/4	1,087.37	3/4	1,615.66	3/4	2,190.30	3/4	2,798.07	3/4	3,427.71	3/4	4,069.03	3/4	4,712.35
2	14.21	2	254.16	2	632.72	2	1,097.76	2	1,627.18	2	2,202.64	2	2,810.98	2	3,440.98	2	4,082.45	2	4,725.71
1/4	17.10	1/4	261.00	1/4	641.65	1/4	1,108.26	1/4	1,638.78	1/4	2,215.04	1/4	2,823.94	1/4	3,454.27	1/4	4,095.87	1/4	4,739.06
1/2	20.00	1/2	267.84	1/2	650.58	1/2	1,118.75	1/2	1,650.38	1/2	2,227.45	1/2	2,836.89	1/2	3,467.56	1/2	4,109.28	1/2	4,752.41
3/4	22.89	3/4	274.68	3/4	659.50	3/4	1,129.25	3/4	1,661.98	3/4	2,239.85	3/4	2,849.85	3/4	3,480.84	3/4	4,122.70	3/4	4,765.75
3	25.79	3	281.52	3	668.43	3	1,139.75	3	1,673.58	3	2,252.25	3	2,862.80	3	3,494.13	3	4,136.12	3	4,779.10
1/4	29.21	1/4	288.57	1/4	677.50	1/4	1,150.35	1/4	1,685.26	1/4	2,264.70	1/4	2,875.79	1/4	3,507.44	1/4	4,149.54	1/4	4,792.43
1/2	32.64	1/2	295.63	1/2	686.57	1/2	1,160.95	1/2	1,696.93	1/2	2,277.16	1/2	2,888.78	1/2	3,520.75	1/2	4,162.96	1/2	4,805.76
3/4	36.06	3/4	302.68	3/4	695.64	3/4	1,171.55	3/4	1,708.61	3/4	2,289.62	3/4	2,901.77	3/4	3,534.05	3/4	4,176.37	3/4	4,819.09
4	39.48	4	309.74	4	704.71	4	1,182.15	4	1,720.28	4	2,302.07	4	2,914.76	4	3,547.36	4	4,189.79	4	4,832.43
1/4	43.36	1/4	317.00	1/4	713.93	1/4	1,192.86	1/4	1,732.04	1/4	2,314.58	1/4	2,927.79	1/4	3,560.68	1/4	4,203.21	1/4	4,845.74
1/2	47.24	1/2	324.27	1/2	723.14	1/2	1,203.56	1/2	1,743.79	1/2	2,327.09	1/2	2,940.81	1/2	3,574.01	1/2	4,216.63	1/2	4,859.06
3/4	51.12	3/4	331.53	3/4	732.35	3/4	1,214.26	3/4	1,755.54	3/4	2,339.60	3/4	2,953.84	3/4	3,587.33	3/4	4,230.05	3/4	4,872.37
5	55.00	5	338.80	5	741.56	5	1,224.97	5	1,767.29	5	2,352.11	5	2,966.86	5	3,600.65	5	4,243.47	5	4,885.69
1/4	59.28	1/4	346.26	1/4	750.91	1/4	1,235.77	1/4	1,779.12	1/4	2,364.67	1/4	2,979.92	1/4	3,613.99	1/4	4,256.89	1/4	4,898.99
1/2	63.57	1/2	353.72	1/2	760.26	1/2	1,246.58	1/2	1,790.94	1/2	2,377.23	1/2	2,992.98	1/2	3,627.33	1/2	4,270.31	1/2	4,912.28
3/4	67.85	3/4	361.19	3/4	769.61	3/4	1,257.38	3/4	1,802.77	3/4	2,389.79	3/4	3,006.04	3/4	3,640.67	3/4	4,283.72	3/4	4,925.58
6	72.13	6	368.65	6	778.96	6	1,268.19	6	1,814.59	6	2,402.35	6	3,019.10	6	3,654.01	6	4,297.14	6	4,938.88
1/4	76.78	1/4	376.31	1/4	788.44	1/4	1,279.09	1/4	1,826.49	1/4	2,414.97	1/4	3,032.18	1/4	3,667.37	1/4	4,310.56	1/4	4,952.16
1/2	81.43	1/2	383.97	1/2	797.92	1/2	1,289.99	1/2	1,838.38	1/2	2,427.58	1/2	3,045.27	1/2	3,680.72	1/2	4,323.97	1/2	4,965.44
3/4	86.08	3/4	391.62	3/4	807.41	3/4	1,300.89	3/4	1,850.28	3/4	2,440.19	3/4	3,058.36	3/4	3,694.07	3/4	4,337.39	3/4	4,978.71
7	90.73	7	399.28	7	816.89	7	1,311.79	7	1,862.18	7	2,452.80	7	3,071.45	7	3,707.43	7	4,350.81	7	4,991.99
1/4	95.71	1/4	407.12	1/4	826.50	1/4	1,322.79	1/4	1,874.14	1/4	2,465.46	1/4	3,084.57	1/4	3,720.79	1/4	4,364.22	1/4	5,005.25
1/2	100.70	1/2	414.97	1/2	836.12	1/2	1,333.79	1/2	1,886.11	1/2	2,478.12	1/2	3,097.69	1/2	3,734.16	1/2	4,377.63	1/2	5,018.51
3/4	105.68	3/4	422.81	3/4	845.73	3/4	1,344.79	3/4	1,898.07	3/4	2,490.78	3/4	3,110.81	3/4	3,747.53	3/4	4,391.04	3/4	5,031.77
8	110.67	8	430.66	8	855.34	8	1,355.78	8	1,910.04	8	2,503.44	8	3,123.93	8	3,760.89	8	4,404.45	8	5,045.03
1/4	115.97	1/4	438.68	1/4	865.14	1/4	1,366.87	1/4	1,922.07	1/4	2,516.14	1/4	3,137.08	1/4	3,774.27	1/4	4,417.86	1/4	5,058.26
1/2	121.27	1/2	446.70	1/2	874.95	1/2	1,377.96	1/2	1,934.11	1/2	2,528.85	1/2	3,150.22	1/2	3,787.65	1/2	4,431.27	1/2	5,071.50
3/4	126.56	3/4	454.73	3/4	884.75	3/4	1,389.05	3/4	1,946.14	3/4	2,541.56	3/4	3,163.37	3/4	3,801.02	3/4	4,444.67	3/4	5,084.73
9	131.86	9	462.75	9	894.55	9	1,400.14	9	1,958.17	9	2,554.26	9	3,176.52	9	3,814.40	9	4,458.08	9	5,097.97
1/4	137.45	1/4	470.95	1/4	904.48	1/4	1,411.32	1/4	1,970.27	1/4	2,567.02	1/4	3,189.69	1/4	3,827.79	1/4	4,471.48	1/4	5,111.18
1/2	143.05	1/2	479.15	1/2	914.41	1/2	1,422.50	1/2	1,982.37	1/2	2,579.77	1/2	3,202.87	1/2	3,841.18	1/2	4,484.88	1/2	5,124.39
3/4	148.64	3/4	487.34	3/4	924.34	3/4	1,433.68	3/4	1,994.47	3/4	2,592.52	3/4	3,216.04	3/4	3,854.57	3/4	4,498.28	3/4	5,137.61
10	154.23	10	495.54	10	934.26	10	1,444.86	10	2,006.57	10	2,605.27	10	3,229.22	10	3,867.95	10	4,511.68	10	5,150.82
1/4	160.09	1/4	503.91	1/4	944.31	1/4	1,456.13	1/4	2,018.73	1/4	2,618.07	1/4	3,242.42	1/4	3,881.35	1/4	4,525.07	1/4	5,164.01
1/2	165.96	1/2	512.27	1/2	954.36	1/2	1,467.40	1/2	2,030.90	1/2	2,630.86	1/2	3,255.62	1/2	3,894.75	1/2	4,538.47	1/2	5,177.19
3/4	171.83	3/4	520.64	3/4	964.40	3/4	1,478.67	3/4	2,043.06	3/4	2,643.66	3/4	3,268.82	3/4	3,908.14	3/4	4,551.86	3/4	5,190.38
11	177.70	11	529.01	11	974.45	11	1,489.94	11	2,055.22	11	2,656.45	11	3,282.02	11	3,921.54	11	4,565.25	11	5,203.57
1/4	183.82	1/4	537.54	1/4	984.61	1/4	1,501.29	1/4	2,067.45	1/4	2,669.29	1/4	3,295.24	1/4	3,934.94	1/4	4,578.63	1/4	5,216.73
1/2	189.95	1/2	546.07	1/2	994.78	1/2	1,512.65	1/2	2,079.67	1/2	2,682.13	1/2	3,308.47	1/2	3,948.35	1/2	4,592.02	1/2	5,229.89
3/4	196.08	3/4	554.59	3/4	1,004.94	3/4	1,524.00	3/4	2,091.90	3/4	2,694.97	3/4	3,321.69	3/4	3,961.75	3/4	4,605.40	3/4	5,243.05

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
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BARGE "KIRBY 16814"

STBD HORIZONTAL INNAGE TABLE

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	5,256.22	0	5,877.60	0	6,472.35	0	7,028.51	0	7,531.55	0	7,961.91	0	8,286.88	0		0		0	
1/4	5,269.35	1/4	5,890.28	1/4	6,484.35	1/4	7,039.55	1/4	7,541.29	1/4	7,969.84	1/4	8,292.02	1/4		1/4		1/4	
1/2	5,282.48	1/2	5,902.96	1/2	6,496.35	1/2	7,050.60	1/2	7,551.03	1/2	7,977.78	1/2	8,297.17	1/2		1/2		1/2	
3/4	5,295.62	3/4	5,915.65	3/4	6,508.35	3/4	7,061.64	3/4	7,560.77	3/4	7,985.71	3/4	8,302.31	3/4		3/4		3/4	
1	5,308.75	1	5,928.33	1	6,520.35	1	7,072.68	1	7,570.51	1	7,993.65	1	8,307.45	1		1		1	
1/4	5,321.85	1/4	5,940.97	1/4	6,532.28	1/4	7,083.63	1/4	7,580.13	1/4	8,001.40	1/4	8,312.27	1/4		1/4		1/4	
1/2	5,334.96	1/2	5,953.60	1/2	6,544.21	1/2	7,094.58	1/2	7,589.74	1/2	8,009.15	1/2	8,317.09	1/2		1/2		1/2	
3/4	5,348.06	3/4	5,966.24	3/4	6,556.15	3/4	7,105.53	3/4	7,599.35	3/4	8,016.90	3/4	8,321.91	3/4		3/4		3/4	
2	5,361.17	2	5,978.87	2	6,568.08	2	7,116.48	2	7,608.97	2	8,024.65	2	8,326.73	2		2		2	
1/4	5,374.24	1/4	5,991.46	1/4	6,579.94	1/4	7,127.34	1/4	7,618.45	1/4	8,032.22	1/4	8,331.20	1/4		1/4		1/4	
1/2	5,387.31	1/2	6,004.05	1/2	6,591.80	1/2	7,138.19	1/2	7,627.93	1/2	8,039.78	1/2	8,335.67	1/2		1/2		1/2	
3/4	5,400.39	3/4	6,016.63	3/4	6,603.66	3/4	7,149.04	3/4	7,637.41	3/4	8,047.34	3/4	8,340.14	3/4		3/4		3/4	
3	5,413.46	3	6,029.22	3	6,615.52	3	7,159.90	3	7,646.89	3	8,054.90	3	8,344.61	3		3		3	
1/4	5,426.50	1/4	6,041.75	1/4	6,627.31	1/4	7,170.65	1/4	7,656.24	1/4	8,062.27	1/4	8,348.70	1/4		1/4		1/4	
1/2	5,439.54	1/2	6,054.29	1/2	6,639.10	1/2	7,181.41	1/2	7,665.59	1/2	8,069.63	1/2	8,352.78	1/2		1/2		1/2	
3/4	5,452.59	3/4	6,066.83	3/4	6,650.89	3/4	7,192.16	3/4	7,674.93	3/4	8,077.00	3/4	8,356.87	3/4		3/4		3/4	
4	5,465.63	4	6,079.36	4	6,662.68	4	7,202.92	4	7,684.28	4	8,084.36	4	8,360.96	4		4		4	
1/4	5,478.64	1/4	6,091.84	1/4	6,674.39	1/4	7,213.57	1/4	7,693.49	1/4	8,091.52	1/4	8,364.62	1/4		1/4		1/4	
1/2	5,491.64	1/2	6,104.33	1/2	6,686.10	1/2	7,224.22	1/2	7,702.69	1/2	8,098.68	1/2	8,368.28	1/2		1/2		1/2	
3/4	5,504.65	3/4	6,116.81	3/4	6,697.82	3/4	7,234.88	3/4	7,711.90	3/4	8,105.85	3/4	8,371.94	3/4		3/4		3/4	
5	5,517.66	5	6,129.29	5	6,709.53	5	7,245.53	5	7,721.11	5	8,113.01	5	8,375.60	5		5		5	
1/4	5,530.63	1/4	6,141.72	1/4	6,721.17	1/4	7,256.08	1/4	7,730.17	1/4	8,119.96	1/4	8,378.77	1/4		1/4		1/4	
1/2	5,543.60	1/2	6,154.15	1/2	6,732.81	1/2	7,266.63	1/2	7,739.24	1/2	8,126.90	1/2	8,381.94	1/2		1/2		1/2	
3/4	5,556.58	3/4	6,166.58	3/4	6,744.45	3/4	7,277.18	3/4	7,748.30	3/4	8,133.85	3/4	8,385.11	3/4		3/4		3/4	
6	5,569.55	6	6,179.01	6	6,756.08	6	7,287.73	6	7,757.37	6	8,140.80	6	8,388.28	6		6		6	
1/4	5,582.49	1/4	6,191.38	1/4	6,767.64	1/4	7,298.17	1/4	7,766.28	1/4	8,147.53	1/4	8,390.87	1/4		1/4		1/4	
1/2	5,595.42	1/2	6,203.75	1/2	6,779.20	1/2	7,308.61	1/2	7,775.20	1/2	8,154.26	1/2	8,393.46	1/2		1/2		1/2	
3/4	5,608.36	3/4	6,216.13	3/4	6,790.76	3/4	7,319.06	3/4	7,784.12	3/4	8,160.98	3/4	8,396.05	3/4		3/4		3/4	
7	5,621.29	7	6,228.50	7	6,802.32	7	7,329.50	7	7,793.03	7	8,167.71	7	8,398.63	7		7		7	
1/4	5,634.19	1/4	6,240.81	1/4	6,813.80	1/4	7,339.83	1/4	7,801.80	1/4	8,174.20	1/4	8,400.45	1/4		1/4		1/4	
1/2	5,647.09	1/2	6,253.13	1/2	6,825.28	1/2	7,350.16	1/2	7,810.57	1/2	8,180.69	1/2	8,402.26	1/2		1/2		1/2	
3/4	5,659.99	3/4	6,265.44	3/4	6,836.76	3/4	7,360.50	3/4	7,819.33	3/4	8,187.18	3/4	8,404.08	3/4		3/4		3/4	
8	5,672.89	8	6,277.76	8	6,848.24	8	7,370.83	8	7,828.10	8	8,193.68	8	8,405.90	8		8		8	
1/4	5,685.74	1/4	6,290.02	1/4	6,859.63	1/4	7,381.05	1/4	7,836.71	1/4	8,199.90	1/4	8,406.76	1/4		1/4		1/4	
1/2	5,698.60	1/2	6,302.27	1/2	6,871.03	1/2	7,391.27	1/2	7,845.32	1/2	8,206.12	1/2	8,407.63	1/2		1/2		1/2	
3/4	5,711.46	3/4	6,314.53	3/4	6,882.43	3/4	7,401.49	3/4	7,853.93	3/4	8,212.34	3/4		3/4		3/4		3/4	
9	5,724.32	9	6,326.78	9	6,893.82	9	7,411.71	9	7,862.54	9	8,218.56	9		9		9		9	
1/4	5,737.13	1/4	6,338.98	1/4	6,905.13	1/4	7,421.82	1/4	7,870.99	1/4	8,224.53	1/4		1/4		1/4		1/4	
1/2	5,749.95	1/2	6,351.17	1/2	6,916.45	1/2	7,431.93	1/2	7,879.43	1/2	8,230.50	1/2		1/2		1/2		1/2	
3/4	5,762.77	3/4	6,363.37	3/4	6,927.76	3/4	7,442.03	3/4	7,887.88	3/4	8,236.46	3/4		3/4		3/4		3/4	
10	5,775.58	10	6,375.56	10	6,939.07	10	7,452.14	10	7,896.33	10	8,242.43	10		10		10		10	
1/4	5,788.36	1/4	6,387.69	1/4	6,950.29	1/4	7,462.12	1/4	7,904.62	1/4	8,248.13	1/4		1/4		1/4		1/4	
1/2	5,801.13	1/2	6,399.82	1/2	6,961.52	1/2	7,472.11	1/2	7,912.90	1/2	8,253.83	1/2		1/2		1/2		1/2	
3/4	5,813.91	3/4	6,411.95	3/4	6,972.74	3/4	7,482.10	3/4	7,921.18	3/4	8,259.53	3/4		3/4		3/4		3/4	
11	5,826.68	11	6,424.09	11	6,983.97	11	7,492.09	11	7,929.46	11	8,265.23	11		11		11		11	
1/4	5,839.41	1/4	6,436.15	1/4	6,995.10	1/4	7,501.95	1/4	7,937.58	1/4	8,270.64	1/4		1/4		1/4		1/4	
1/2	5,852.14	1/2	6,448.22	1/2	7,006.24	1/2	7,511.82	1/2	7,945.69	1/2	8,276.05	1/2		1/2		1/2		1/2	
3/4	5,864.87	3/4	6,460.29	3/4	7,017.37	3/4	7,521.68	3/4	7,953.80	3/4	8,281.47	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/06/2011 CL - SW
CALCULATED: 10/06/2011 CL
PRINTED: 10/06/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2011

PRECISION MEASUREMENT
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