



BARGE "KIRBY 17846"

PORT HORIZONTAL

INNAGE TABLE BERGAN GAUGE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CI 1609"

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	185.64	0	519.21	0	940.96	0	1,425.97	0	1,958.40	0	2,526.15	0	3,119.14	0	3,728.43	0	4,345.73
1/4	1.25	1/4	191.48	1/4	527.27	1/4	950.52	1/4	1,436.66	1/4	1,969.93	1/4	2,538.30	1/4	3,131.71	1/4	3,741.24	1/4	4,358.62
1/2	2.38	1/2	197.32	1/2	535.32	1/2	960.08	1/2	1,447.35	1/2	1,981.46	1/2	2,550.44	1/2	3,144.28	1/2	3,754.06	1/2	4,371.50
3/4	3.50	3/4	203.16	3/4	543.38	3/4	969.65	3/4	1,458.03	3/4	1,992.99	3/4	2,562.59	3/4	3,156.84	3/4	3,766.87	3/4	4,384.39
1	4.63	1	209.00	1	551.44	1	979.21	1	1,468.72	1	2,004.52	1	2,574.74	1	3,169.41	1	3,779.68	1	4,397.28
1/4	6.69	1/4	215.07	1/4	559.64	1/4	988.88	1/4	1,479.48	1/4	2,016.10	1/4	2,586.92	1/4	3,182.01	1/4	3,792.50	1/4	4,410.17
1/2	8.75	1/2	221.13	1/2	567.84	1/2	998.55	1/2	1,490.25	1/2	2,027.69	1/2	2,599.11	1/2	3,194.60	1/2	3,805.33	1/2	4,423.05
3/4	10.81	3/4	227.19	3/4	576.04	3/4	1,008.22	3/4	1,501.01	3/4	2,039.28	3/4	2,611.30	3/4	3,207.19	3/4	3,818.15	3/4	4,435.94
2	12.87	2	233.25	2	584.24	2	1,017.89	2	1,511.78	2	2,050.87	2	2,623.49	2	3,219.79	2	3,830.98	2	4,448.83
1/4	15.54	1/4	239.55	1/4	592.58	1/4	1,027.67	1/4	1,522.62	1/4	2,062.51	1/4	2,635.71	1/4	3,232.41	1/4	3,843.81	1/4	4,461.71
1/2	18.21	1/2	245.84	1/2	600.93	1/2	1,037.44	1/2	1,533.47	1/2	2,074.16	1/2	2,647.94	1/2	3,245.03	1/2	3,856.65	1/2	4,474.60
3/4	20.88	3/4	252.14	3/4	609.27	3/4	1,047.21	3/4	1,544.31	3/4	2,085.80	3/4	2,660.17	3/4	3,257.65	3/4	3,869.49	3/4	4,487.48
3	23.54	3	258.44	3	617.61	3	1,056.99	3	1,555.16	3	2,097.45	3	2,672.40	3	3,270.27	3	3,882.32	3	4,500.36
1/4	26.70	1/4	264.97	1/4	626.09	1/4	1,066.86	1/4	1,566.08	1/4	2,109.15	1/4	2,684.67	1/4	3,282.91	1/4	3,895.17	1/4	4,513.24
1/2	29.86	1/2	271.49	1/2	634.57	1/2	1,076.74	1/2	1,576.99	1/2	2,120.85	1/2	2,696.94	1/2	3,295.56	1/2	3,908.01	1/2	4,526.13
3/4	33.01	3/4	278.02	3/4	643.05	3/4	1,086.61	3/4	1,587.91	3/4	2,132.56	3/4	2,709.20	3/4	3,308.20	3/4	3,920.86	3/4	4,539.01
4	36.17	4	284.54	4	651.53	4	1,096.49	4	1,598.83	4	2,144.26	4	2,721.47	4	3,320.85	4	3,933.71	4	4,551.89
1/4	39.74	1/4	291.26	1/4	660.14	1/4	1,106.46	1/4	1,609.83	1/4	2,156.02	1/4	2,733.78	1/4	3,333.51	1/4	3,946.56	1/4	4,564.76
1/2	43.32	1/2	297.98	1/2	668.75	1/2	1,116.44	1/2	1,620.82	1/2	2,167.77	1/2	2,746.08	1/2	3,346.18	1/2	3,959.42	1/2	4,577.64
3/4	46.90	3/4	304.70	3/4	677.36	3/4	1,126.41	3/4	1,631.82	3/4	2,179.53	3/4	2,758.39	3/4	3,358.85	3/4	3,972.27	3/4	4,590.52
5	50.47	5	311.42	5	685.98	5	1,136.39	5	1,642.81	5	2,191.29	5	2,770.70	5	3,371.52	5	3,985.13	5	4,603.39
1/4	54.42	1/4	318.33	1/4	694.72	1/4	1,146.46	1/4	1,653.88	1/4	2,203.10	1/4	2,783.04	1/4	3,384.21	1/4	3,997.99	1/4	4,616.26
1/2	58.37	1/2	325.24	1/2	703.46	1/2	1,156.53	1/2	1,664.95	1/2	2,214.91	1/2	2,795.38	1/2	3,396.90	1/2	4,010.86	1/2	4,629.13
3/4	62.32	3/4	332.15	3/4	712.20	3/4	1,166.60	3/4	1,676.01	3/4	2,226.72	3/4	2,807.73	3/4	3,409.59	3/4	4,023.72	3/4	4,642.00
6	66.27	6	339.06	6	720.95	6	1,176.67	6	1,687.08	6	2,238.53	6	2,820.07	6	3,422.28	6	4,036.58	6	4,654.87
1/4	70.56	1/4	346.14	1/4	729.82	1/4	1,186.83	1/4	1,698.22	1/4	2,250.39	1/4	2,832.45	1/4	3,434.99	1/4	4,049.45	1/4	4,667.74
1/2	74.85	1/2	353.23	1/2	738.68	1/2	1,197.00	1/2	1,709.36	1/2	2,262.25	1/2	2,844.83	1/2	3,447.70	1/2	4,062.32	1/2	4,680.60
3/4	79.14	3/4	360.32	3/4	747.55	3/4	1,207.16	3/4	1,720.49	3/4	2,274.12	3/4	2,857.21	3/4	3,460.41	3/4	4,075.20	3/4	4,693.47
7	83.43	7	367.41	7	756.42	7	1,217.33	7	1,731.63	7	2,285.98	7	2,869.59	7	3,473.12	7	4,088.07	7	4,706.33
1/4	88.03	1/4	374.67	1/4	765.41	1/4	1,227.58	1/4	1,742.84	1/4	2,297.89	1/4	2,882.00	1/4	3,485.85	1/4	4,100.94	1/4	4,719.18
1/2	92.63	1/2	381.93	1/2	774.41	1/2	1,237.84	1/2	1,754.04	1/2	2,309.81	1/2	2,894.42	1/2	3,498.58	1/2	4,113.82	1/2	4,732.04
3/4	97.23	3/4	389.20	3/4	783.40	3/4	1,248.10	3/4	1,765.25	3/4	2,321.72	3/4	2,906.83	3/4	3,511.31	3/4	4,126.69	3/4	4,744.90
8	101.83	8	396.46	8	792.39	8	1,258.35	8	1,776.46	8	2,333.63	8	2,919.24	8	3,524.05	8	4,139.57	8	4,757.75
1/4	106.70	1/4	403.89	1/4	801.50	1/4	1,268.70	1/4	1,787.73	1/4	2,345.59	1/4	2,931.69	1/4	3,536.79	1/4	4,152.45	1/4	4,770.60
1/2	111.56	1/2	411.32	1/2	810.62	1/2	1,279.05	1/2	1,799.01	1/2	2,357.56	1/2	2,944.14	1/2	3,549.54	1/2	4,165.33	1/2	4,783.44
3/4	116.43	3/4	418.76	3/4	819.73	3/4	1,289.39	3/4	1,810.28	3/4	2,369.52	3/4	2,956.59	3/4	3,562.29	3/4	4,178.21	3/4	4,796.29
9	121.29	9	426.19	9	828.84	9	1,299.74	9	1,821.56	9	2,381.48	9	2,969.03	9	3,575.04	9	4,191.09	9	4,809.14
1/4	126.40	1/4	433.78	1/4	838.07	1/4	1,310.17	1/4	1,832.90	1/4	2,393.49	1/4	2,981.51	1/4	3,587.81	1/4	4,203.98	1/4	4,821.97
1/2	131.51	1/2	441.38	1/2	847.30	1/2	1,320.61	1/2	1,844.24	1/2	2,405.50	1/2	2,993.99	1/2	3,600.58	1/2	4,216.86	1/2	4,834.81
3/4	136.62	3/4	448.97	3/4	856.53	3/4	1,331.04	3/4	1,855.58	3/4	2,417.51	3/4	3,006.47	3/4	3,613.34	3/4	4,229.75	3/4	4,847.64
10	141.74	10	456.57	10	865.76	10	1,341.48	10	1,866.92	10	2,429.52	10	3,018.95	10	3,626.11	10	4,242.63	10	4,860.48
1/4	147.10	1/4	464.32	1/4	875.10	1/4	1,352.00	1/4	1,878.32	1/4	2,441.58	1/4	3,031.46	1/4	3,638.89	1/4	4,255.52	1/4	4,873.31
1/2	152.47	1/2	472.07	1/2	884.45	1/2	1,362.52	1/2	1,889.73	1/2	2,453.63	1/2	3,043.97	1/2	3,651.68	1/2	4,268.40	1/2	4,886.13
3/4	157.84	3/4	479.83	3/4	893.79	3/4	1,373.04	3/4	1,901.13	3/4	2,465.69	3/4	3,056.48	3/4	3,664.46	3/4	4,281.29	3/4	4,898.95
11	163.20	11	487.58	11	903.13	11	1,383.56	11	1,912.54	11	2,477.75	11	3,068.99	11	3,677.24	11	4,294.18	11	4,911.78
1/4	168.81	1/4	495.49	1/4	912.59	1/4	1,394.16	1/4	1,924.00	1/4	2,489.85	1/4	3,081.53	1/4	3,690.04	1/4	4,307.07	1/4	4,924.59
1/2	174.42	1/2	503.40	1/2	922.04	1/2	1,404.77	1/2	1,935.47	1/2	2,501.95	1/2	3,094.06	1/2	3,702.84	1/2	4,319.95	1/2	4,937.40
3/4	180.03	3/4	511.30	3/4	931.50	3/4	1,415.37	3/4	1,946.94	3/4	2,514.05	3/4	3,106.60	3/4	3,715.63	3/4	4,332.84	3/4	4,950.21

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
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BARGE "KIRBY 17846"

PORT HORIZONTAL INNAGE TABLE BERGAN GAUGE

ELS OF 42 U.S. GALLONS

FORMERLY "CI 1609"

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	4,963.03	0	5,572.32	0	6,165.30	0	6,733.05	0	7,265.48	0	7,750.50	0	8,172.25	0	8,506.33	0	8,692.57	0	
1/4	4,975.82	1/4	5,584.85	1/4	6,177.41	1/4	6,744.52	1/4	7,276.09	1/4	7,759.96	1/4	8,180.16	1/4	8,511.99	1/4		1/4	
1/2	4,988.62	1/2	5,597.39	1/2	6,189.51	1/2	6,755.99	1/2	7,286.69	1/2	7,769.41	1/2	8,188.06	1/2	8,517.66	1/2		1/2	
3/4	5,001.42	3/4	5,609.93	3/4	6,201.61	3/4	6,767.46	3/4	7,297.30	3/4	7,778.87	3/4	8,195.97	3/4	8,523.32	3/4		3/4	
1	5,014.22	1	5,622.47	1	6,213.71	1	6,778.92	1	7,307.90	1	7,788.32	1	8,203.88	1	8,528.98	1		1	
1/4	5,027.00	1/4	5,634.98	1/4	6,225.77	1/4	6,790.33	1/4	7,318.42	1/4	7,797.67	1/4	8,211.63	1/4	8,534.40	1/4		1/4	
1/2	5,039.78	1/2	5,647.49	1/2	6,237.82	1/2	6,801.73	1/2	7,328.94	1/2	7,807.01	1/2	8,219.38	1/2	8,539.82	1/2		1/2	
3/4	5,052.57	3/4	5,660.00	3/4	6,249.88	3/4	6,813.14	3/4	7,339.46	3/4	7,816.36	3/4	8,227.14	3/4	8,545.23	3/4		3/4	
2	5,065.35	2	5,672.51	2	6,261.94	2	6,824.54	2	7,349.98	2	7,825.70	2	8,234.89	2	8,550.65	2		2	
1/4	5,078.12	1/4	5,684.99	1/4	6,273.95	1/4	6,835.88	1/4	7,360.42	1/4	7,834.93	1/4	8,242.49	1/4	8,555.81	1/4		1/4	
1/2	5,090.88	1/2	5,697.47	1/2	6,285.96	1/2	6,847.22	1/2	7,370.85	1/2	7,844.16	1/2	8,250.08	1/2	8,560.98	1/2		1/2	
3/4	5,103.65	3/4	5,709.95	3/4	6,297.97	3/4	6,858.56	3/4	7,381.28	3/4	7,853.39	3/4	8,257.68	3/4	8,566.14	3/4		3/4	
3	5,116.42	3	5,722.43	3	6,309.98	3	6,869.90	3	7,391.72	3	7,862.62	3	8,265.27	3	8,571.30	3		3	
1/4	5,129.16	1/4	5,734.87	1/4	6,321.94	1/4	6,881.18	1/4	7,402.07	1/4	7,871.73	1/4	8,272.70	1/4	8,576.19	1/4		1/4	
1/2	5,141.91	1/2	5,747.32	1/2	6,333.90	1/2	6,892.45	1/2	7,412.41	1/2	7,880.84	1/2	8,280.13	1/2	8,581.08	1/2		1/2	
3/4	5,154.66	3/4	5,759.77	3/4	6,345.86	3/4	6,903.73	3/4	7,422.76	3/4	7,889.95	3/4	8,287.57	3/4	8,585.97	3/4		3/4	
4	5,167.41	4	5,772.21	4	6,357.83	4	6,915.00	4	7,433.11	4	7,899.07	4	8,295.00	4	8,590.86	4		4	
1/4	5,180.14	1/4	5,784.63	1/4	6,369.74	1/4	6,926.21	1/4	7,443.36	1/4	7,908.06	1/4	8,302.26	1/4	8,595.47	1/4		1/4	
1/2	5,192.87	1/2	5,797.04	1/2	6,381.65	1/2	6,937.41	1/2	7,453.62	1/2	7,917.05	1/2	8,309.52	1/2	8,600.07	1/2		1/2	
3/4	5,205.60	3/4	5,809.46	3/4	6,393.57	3/4	6,948.62	3/4	7,463.88	3/4	7,926.04	3/4	8,316.79	3/4	8,604.67	3/4		3/4	
5	5,218.34	5	5,821.87	5	6,405.48	5	6,959.83	5	7,474.13	5	7,935.04	5	8,324.05	5	8,609.27	5		5	
1/4	5,231.05	1/4	5,834.25	1/4	6,417.34	1/4	6,970.97	1/4	7,484.30	1/4	7,943.90	1/4	8,331.14	1/4	8,613.56	1/4		1/4	
1/2	5,243.76	1/2	5,846.63	1/2	6,429.20	1/2	6,982.10	1/2	7,494.46	1/2	7,952.77	1/2	8,338.23	1/2	8,617.84	1/2		1/2	
3/4	5,256.47	3/4	5,859.01	3/4	6,441.07	3/4	6,993.24	3/4	7,504.63	3/4	7,961.64	3/4	8,345.31	3/4	8,622.13	3/4		3/4	
6	5,269.18	6	5,871.39	6	6,452.93	6	7,004.38	6	7,514.79	6	7,970.51	6	8,352.40	6	8,626.42	6		6	
1/4	5,281.87	1/4	5,883.73	1/4	6,464.74	1/4	7,015.45	1/4	7,524.86	1/4	7,979.25	1/4	8,359.31	1/4	8,630.37	1/4		1/4	
1/2	5,294.56	1/2	5,896.07	1/2	6,476.55	1/2	7,026.51	1/2	7,534.93	1/2	7,988.00	1/2	8,366.22	1/2	8,634.32	1/2		1/2	
3/4	5,307.25	3/4	5,908.42	3/4	6,488.36	3/4	7,037.58	3/4	7,545.00	3/4	7,996.74	3/4	8,373.13	3/4	8,638.27	3/4		3/4	
7	5,319.94	7	5,920.76	7	6,500.17	7	7,048.65	7	7,555.07	7	8,005.48	7	8,380.03	7	8,642.22	7		7	
1/4	5,332.61	1/4	5,933.07	1/4	6,511.93	1/4	7,059.64	1/4	7,565.05	1/4	8,014.09	1/4	8,386.75	1/4	8,645.80	1/4		1/4	
1/2	5,345.28	1/2	5,945.37	1/2	6,523.69	1/2	7,070.63	1/2	7,575.02	1/2	8,022.71	1/2	8,393.47	1/2	8,649.37	1/2		1/2	
3/4	5,357.94	3/4	5,957.68	3/4	6,535.44	3/4	7,081.63	3/4	7,584.99	3/4	8,031.32	3/4	8,400.19	3/4	8,652.95	3/4		3/4	
8	5,370.61	8	5,969.99	8	6,547.20	8	7,092.62	8	7,594.97	8	8,039.93	8	8,406.92	8	8,656.53	8		8	
1/4	5,383.26	1/4	5,982.25	1/4	6,558.90	1/4	7,103.54	1/4	7,604.84	1/4	8,048.41	1/4	8,413.44	1/4	8,659.68	1/4		1/4	
1/2	5,395.90	1/2	5,994.52	1/2	6,570.60	1/2	7,114.46	1/2	7,614.72	1/2	8,056.89	1/2	8,419.97	1/2	8,662.84	1/2		1/2	
3/4	5,408.54	3/4	6,006.79	3/4	6,582.31	3/4	7,125.38	3/4	7,624.59	3/4	8,065.37	3/4	8,426.49	3/4	8,666.00	3/4		3/4	
9	5,421.19	9	6,019.06	9	6,594.01	9	7,136.30	9	7,634.47	9	8,073.85	9	8,433.02	9	8,669.15	9		9	
1/4	5,433.81	1/4	6,031.29	1/4	6,605.65	1/4	7,147.15	1/4	7,644.24	1/4	8,082.19	1/4	8,439.34	1/4	8,671.82	1/4		1/4	
1/2	5,446.43	1/2	6,043.52	1/2	6,617.30	1/2	7,157.99	1/2	7,654.02	1/2	8,090.53	1/2	8,445.67	1/2	8,674.49	1/2		1/2	
3/4	5,459.05	3/4	6,055.74	3/4	6,628.95	3/4	7,168.83	3/4	7,663.79	3/4	8,098.87	3/4	8,451.99	3/4	8,677.15	3/4		3/4	
10	5,471.67	10	6,067.97	10	6,640.59	10	7,179.68	10	7,673.57	10	8,107.22	10	8,458.31	10	8,679.82	10		10	
1/4	5,484.26	1/4	6,080.16	1/4	6,652.18	1/4	7,190.44	1/4	7,683.24	1/4	8,115.42	1/4	8,464.43	1/4	8,681.88	1/4		1/4	
1/2	5,496.86	1/2	6,092.35	1/2	6,663.77	1/2	7,201.21	1/2	7,692.91	1/2	8,123.62	1/2	8,470.54	1/2	8,683.94	1/2		1/2	
3/4	5,509.45	3/4	6,104.54	3/4	6,675.35	3/4	7,211.98	3/4	7,702.58	3/4	8,131.82	3/4	8,476.65	3/4	8,686.00	3/4		3/4	
11	5,522.05	11	6,116.72	11	6,686.94	11	7,222.74	11	7,712.25	11	8,140.02	11	8,482.76	11	8,688.06	11		11	
1/4	5,534.61	1/4	6,128.87	1/4	6,698.47	1/4	7,233.43	1/4	7,721.81	1/4	8,148.08	1/4	8,488.66	1/4	8,689.19	1/4		1/4	
1/2	5,547.18	1/2	6,141.01	1/2	6,710.00	1/2	7,244.11	1/2	7,731.37	1/2	8,156.14	1/2	8,494.55	1/2	8,690.32	1/2		1/2	
3/4	5,559.75	3/4	6,153.16	3/4	6,721.53	3/4	7,254.80	3/4	7,740.94	3/4	8,164.19	3/4	8,500.44	3/4	8,691.45	3/4		3/4	

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CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 17846"

STBD HORIZONTAL INNAGE TABLE BERGAN GAUGE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CI 1609"

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	185.71	0	519.39	0	941.29	0	1,426.48	0	1,959.11	0	2,527.06	0	3,120.27	0	3,729.78	0	4,347.30
1/4	1.25	1/4	191.55	1/4	527.45	1/4	950.86	1/4	1,437.17	1/4	1,970.64	1/4	2,539.21	1/4	3,132.84	1/4	3,742.60	1/4	4,360.20
1/2	2.38	1/2	197.39	1/2	535.51	1/2	960.42	1/2	1,447.86	1/2	1,982.17	1/2	2,551.36	1/2	3,145.41	1/2	3,755.41	1/2	4,373.09
3/4	3.51	3/4	203.24	3/4	543.57	3/4	969.99	3/4	1,458.55	3/4	1,993.70	3/4	2,563.51	3/4	3,157.98	3/4	3,768.23	3/4	4,385.98
1	4.63	1	209.08	1	551.63	1	979.56	1	1,469.24	1	2,005.24	1	2,575.66	1	3,170.55	1	3,771.05	1	4,398.87
1/4	6.69	1/4	215.14	1/4	559.83	1/4	989.23	1/4	1,480.01	1/4	2,016.83	1/4	2,587.85	1/4	3,183.15	1/4	3,793.88	1/4	4,411.76
1/2	8.75	1/2	221.20	1/2	568.04	1/2	998.91	1/2	1,490.78	1/2	2,028.42	1/2	2,600.04	1/2	3,195.75	1/2	3,806.70	1/2	4,424.66
3/4	10.82	3/4	227.27	3/4	576.24	3/4	1,008.58	3/4	1,501.55	3/4	2,040.01	3/4	2,612.24	3/4	3,208.35	3/4	3,819.53	3/4	4,437.55
2	12.88	2	233.33	2	584.45	2	1,018.25	2	1,512.32	2	2,051.60	2	2,624.43	2	3,220.95	2	3,832.36	2	4,450.44
1/4	15.55	1/4	239.63	1/4	592.79	1/4	1,028.03	1/4	1,523.17	1/4	2,063.25	1/4	2,636.66	1/4	3,233.57	1/4	3,845.20	1/4	4,463.33
1/2	18.21	1/2	245.93	1/2	601.14	1/2	1,037.81	1/2	1,534.02	1/2	2,074.90	1/2	2,648.89	1/2	3,246.20	1/2	3,858.04	1/2	4,476.22
3/4	20.88	3/4	252.23	3/4	609.48	3/4	1,047.59	3/4	1,544.86	3/4	2,086.55	3/4	2,661.13	3/4	3,258.82	3/4	3,870.88	3/4	4,489.11
3	23.55	3	258.53	3	617.83	3	1,057.36	3	1,555.71	3	2,098.20	3	2,673.36	3	3,271.45	3	3,883.73	3	4,501.99
1/4	26.71	1/4	265.06	1/4	626.31	1/4	1,067.24	1/4	1,566.63	1/4	2,109.91	1/4	2,685.63	1/4	3,284.10	1/4	3,896.58	1/4	4,514.88
1/2	29.87	1/2	271.59	1/2	634.79	1/2	1,077.12	1/2	1,577.56	1/2	2,121.61	1/2	2,697.91	1/2	3,296.75	1/2	3,909.43	1/2	4,527.77
3/4	33.02	3/4	278.11	3/4	643.27	3/4	1,087.00	3/4	1,588.48	3/4	2,133.32	3/4	2,710.18	3/4	3,309.40	3/4	3,922.28	3/4	4,540.65
4	36.18	4	284.64	4	651.76	4	1,096.88	4	1,599.41	4	2,145.03	4	2,722.45	4	3,322.05	4	3,935.13	4	4,553.54
1/4	39.76	1/4	291.37	1/4	660.37	1/4	1,106.86	1/4	1,610.40	1/4	2,156.79	1/4	2,734.76	1/4	3,334.72	1/4	3,947.99	1/4	4,566.42
1/2	43.34	1/2	298.09	1/2	668.99	1/2	1,116.83	1/2	1,621.40	1/2	2,168.55	1/2	2,747.07	1/2	3,347.39	1/2	3,960.85	1/2	4,579.30
3/4	46.91	3/4	304.81	3/4	677.60	3/4	1,126.81	3/4	1,632.40	3/4	2,180.31	3/4	2,759.38	3/4	3,360.06	3/4	3,973.71	3/4	4,592.18
5	50.49	5	311.53	5	686.22	5	1,136.79	5	1,643.40	5	2,192.07	5	2,771.70	5	3,372.74	5	3,986.57	5	4,605.06
1/4	54.44	1/4	318.44	1/4	694.97	1/4	1,146.86	1/4	1,654.47	1/4	2,203.89	1/4	2,784.04	1/4	3,385.43	1/4	3,999.44	1/4	4,617.94
1/2	58.39	1/2	325.35	1/2	703.71	1/2	1,156.94	1/2	1,665.54	1/2	2,215.70	1/2	2,796.39	1/2	3,398.12	1/2	4,012.31	1/2	4,630.81
3/4	62.35	3/4	332.26	3/4	712.46	3/4	1,167.01	3/4	1,676.61	3/4	2,227.52	3/4	2,808.74	3/4	3,410.82	3/4	4,025.18	3/4	4,643.69
6	66.30	6	339.17	6	721.20	6	1,177.09	6	1,687.68	6	2,239.33	6	2,821.09	6	3,423.51	6	4,038.04	6	4,656.56
1/4	70.59	1/4	346.27	1/4	730.07	1/4	1,187.25	1/4	1,698.82	1/4	2,251.20	1/4	2,833.47	1/4	3,436.23	1/4	4,050.92	1/4	4,669.43
1/2	74.88	1/2	353.36	1/2	738.95	1/2	1,197.42	1/2	1,709.97	1/2	2,263.07	1/2	2,845.85	1/2	3,448.95	1/2	4,063.79	1/2	4,682.30
3/4	79.17	3/4	360.45	3/4	747.82	3/4	1,207.59	3/4	1,721.11	3/4	2,274.93	3/4	2,858.24	3/4	3,461.66	3/4	4,076.67	3/4	4,695.17
7	83.46	7	367.54	7	756.69	7	1,217.76	7	1,732.25	7	2,286.80	7	2,870.62	7	3,474.38	7	4,089.55	7	4,708.03
1/4	88.06	1/4	374.80	1/4	765.69	1/4	1,228.02	1/4	1,743.46	1/4	2,298.72	1/4	2,883.04	1/4	3,487.11	1/4	4,102.43	1/4	4,720.90
1/2	92.66	1/2	382.07	1/2	774.68	1/2	1,238.28	1/2	1,754.67	1/2	2,310.63	1/2	2,895.46	1/2	3,499.85	1/2	4,115.31	1/2	4,733.76
3/4	97.26	3/4	389.33	3/4	783.68	3/4	1,248.54	3/4	1,765.88	3/4	2,322.55	3/4	2,907.88	3/4	3,512.58	3/4	4,128.19	3/4	4,746.62
8	101.87	8	396.60	8	792.67	8	1,258.80	8	1,777.09	8	2,334.47	8	2,920.30	8	3,525.32	8	4,141.07	8	4,759.48
1/4	106.73	1/4	404.03	1/4	801.79	1/4	1,269.15	1/4	1,788.37	1/4	2,346.44	1/4	2,932.75	1/4	3,538.07	1/4	4,153.95	1/4	4,772.33
1/2	111.60	1/2	411.47	1/2	810.90	1/2	1,279.50	1/2	1,799.65	1/2	2,358.40	1/2	2,945.20	1/2	3,550.83	1/2	4,166.84	1/2	4,785.18
3/4	116.47	3/4	418.90	3/4	820.02	3/4	1,289.85	3/4	1,810.93	3/4	2,370.37	3/4	2,957.65	3/4	3,563.58	3/4	4,179.73	3/4	4,798.03
9	121.33	9	426.34	9	829.13	9	1,300.20	9	1,822.21	9	2,382.34	9	2,970.10	9	3,576.33	9	4,192.61	9	4,810.88
1/4	126.45	1/4	433.93	1/4	838.37	1/4	1,310.64	1/4	1,833.55	1/4	2,394.35	1/4	2,982.59	1/4	3,589.11	1/4	4,205.50	1/4	4,823.72
1/2	131.56	1/2	441.53	1/2	847.60	1/2	1,321.08	1/2	1,844.90	1/2	2,406.37	1/2	2,995.07	1/2	3,601.88	1/2	4,218.39	1/2	4,836.56
3/4	136.67	3/4	449.13	3/4	856.83	3/4	1,331.52	3/4	1,856.24	3/4	2,418.38	3/4	3,007.55	3/4	3,614.65	3/4	4,231.28	3/4	4,849.40
10	141.78	10	456.73	10	866.07	10	1,341.96	10	1,867.59	10	2,430.39	10	3,020.04	10	3,627.42	10	4,244.17	10	4,862.24
1/4	147.15	1/4	464.48	1/4	875.41	1/4	1,352.48	1/4	1,878.99	1/4	2,442.46	1/4	3,032.55	1/4	3,640.21	1/4	4,257.06	1/4	4,875.07
1/2	152.52	1/2	472.24	1/2	884.76	1/2	1,363.00	1/2	1,890.40	1/2	2,454.52	1/2	3,045.06	1/2	3,652.99	1/2	4,269.95	1/2	4,887.90
3/4	157.89	3/4	480.00	3/4	894.11	3/4	1,373.53	3/4	1,901.81	3/4	2,466.58	3/4	3,057.58	3/4	3,665.78	3/4	4,282.84	3/4	4,900.73
11	163.26	11	487.75	11	903.45	11	1,384.05	11	1,913.22	11	2,478.64	11	3,070.09	11	3,678.57	11	4,295.73	11	4,913.56
1/4	168.87	1/4	495.66	1/4	912.91	1/4	1,394.66	1/4	1,924.69	1/4	2,490.74	1/4	3,082.64	1/4	3,691.37	1/4	4,308.63	1/4	4,926.38
1/2	174.48	1/2	503.57	1/2	922.37	1/2	1,405.27	1/2	1,936.16	1/2	2,502.85	1/2	3,095.18	1/2	3,704.18	1/2	4,321.52	1/2	4,939.19
3/4	180.10	3/4	511.48	3/4	931.83	3/4	1,415.87	3/4	1,947.63	3/4	2,514.96	3/4	3,107.72	3/4	3,716.98	3/4	4,334.41	3/4	4,952.01

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 "KIRBY 17846"

STBD

HORIZONTAL INNAGE TABLE BERGAN GAUGE

ELS OF 42 U.S. GALLONS

FORMERLY "CI 1609"

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	4,964.83	0	5,574.34	0	6,167.54	0	6,735.50	0	7,268.12	0	7,753.32	0	8,175.21	0	8,509.41	0	8,695.72	0	
1/4	4,977.63	1/4	5,586.88	1/4	6,179.65	1/4	6,746.97	1/4	7,278.73	1/4	7,762.77	1/4	8,183.12	1/4	8,515.08	1/4		1/4	
1/2	4,990.43	1/2	5,599.43	1/2	6,191.76	1/2	6,758.44	1/2	7,289.34	1/2	7,772.23	1/2	8,191.03	1/2	8,520.74	1/2		1/2	
3/4	5,003.23	3/4	5,611.97	3/4	6,203.86	3/4	6,769.91	3/4	7,299.95	3/4	7,781.69	3/4	8,198.94	3/4	8,526.40	3/4		3/4	
1	5,016.04	1	5,624.51	1	6,215.97	1	6,781.39	1	7,310.55	1	7,791.15	1	8,206.85	1	8,532.07	1		1	
1/4	5,028.82	1/4	5,637.03	1/4	6,228.03	1/4	6,792.79	1/4	7,321.08	1/4	7,800.50	1/4	8,214.61	1/4	8,537.49	1/4		1/4	
1/2	5,041.61	1/2	5,649.54	1/2	6,240.09	1/2	6,804.20	1/2	7,331.60	1/2	7,809.85	1/2	8,222.37	1/2	8,542.91	1/2		1/2	
3/4	5,054.40	3/4	5,662.06	3/4	6,252.15	3/4	6,815.61	3/4	7,342.13	3/4	7,819.19	3/4	8,230.12	3/4	8,548.33	3/4		3/4	
2	5,067.19	2	5,674.57	2	6,264.21	2	6,827.02	2	7,352.65	2	7,828.54	2	8,237.88	2	8,553.75	2		2	
1/4	5,079.96	1/4	5,687.05	1/4	6,276.23	1/4	6,838.36	1/4	7,363.09	1/4	7,837.77	1/4	8,245.48	1/4	8,558.91	1/4		1/4	
1/2	5,092.73	1/2	5,699.54	1/2	6,288.24	1/2	6,849.71	1/2	7,373.53	1/2	7,847.01	1/2	8,253.07	1/2	8,564.08	1/2		1/2	
3/4	5,105.50	3/4	5,712.02	3/4	6,300.25	3/4	6,861.05	3/4	7,383.96	3/4	7,856.24	3/4	8,260.67	3/4	8,569.24	3/4		3/4	
3	5,118.27	3	5,724.50	3	6,312.27	3	6,872.40	3	7,394.40	3	7,865.47	3	8,268.27	3	8,574.41	3		3	
1/4	5,131.03	1/4	5,736.96	1/4	6,324.24	1/4	6,883.68	1/4	7,404.75	1/4	7,874.59	1/4	8,275.70	1/4	8,579.30	1/4		1/4	
1/2	5,143.78	1/2	5,749.41	1/2	6,336.20	1/2	6,894.95	1/2	7,415.10	1/2	7,883.70	1/2	8,283.14	1/2	8,584.19	1/2		1/2	
3/4	5,156.53	3/4	5,761.86	3/4	6,348.17	3/4	6,906.23	3/4	7,425.45	3/4	7,892.82	3/4	8,290.57	3/4	8,589.08	3/4		3/4	
4	5,169.29	4	5,774.31	4	6,360.14	4	6,917.51	4	7,435.80	4	7,901.93	4	8,298.01	4	8,593.98	4		4	
1/4	5,182.02	1/4	5,786.73	1/4	6,372.05	1/4	6,928.72	1/4	7,446.07	1/4	7,910.93	1/4	8,305.27	1/4	8,598.58	1/4		1/4	
1/2	5,194.76	1/2	5,799.15	1/2	6,383.97	1/2	6,939.93	1/2	7,456.33	1/2	7,919.92	1/2	8,312.54	1/2	8,603.18	1/2		1/2	
3/4	5,207.49	3/4	5,811.56	3/4	6,395.89	3/4	6,951.14	3/4	7,466.59	3/4	7,928.92	3/4	8,319.80	3/4	8,607.78	3/4		3/4	
5	5,220.23	5	5,823.98	5	6,407.81	5	6,962.36	5	7,476.85	5	7,937.92	5	8,327.07	5	8,612.39	5		5	
1/4	5,232.94	1/4	5,836.37	1/4	6,419.67	1/4	6,973.50	1/4	7,487.01	1/4	7,946.79	1/4	8,334.16	1/4	8,616.68	1/4		1/4	
1/2	5,245.66	1/2	5,848.75	1/2	6,431.54	1/2	6,984.64	1/2	7,497.18	1/2	7,955.66	1/2	8,341.25	1/2	8,620.97	1/2		1/2	
3/4	5,258.38	3/4	5,861.13	3/4	6,443.41	3/4	6,995.78	3/4	7,507.35	3/4	7,964.53	3/4	8,348.34	3/4	8,625.26	3/4		3/4	
6	5,271.09	6	5,873.52	6	6,455.27	6	7,006.92	6	7,517.52	6	7,973.40	6	8,355.43	6	8,629.55	6		6	
1/4	5,283.79	1/4	5,885.87	1/4	6,467.09	1/4	7,017.99	1/4	7,527.59	1/4	7,982.15	1/4	8,362.34	1/4	8,633.50	1/4		1/4	
1/2	5,296.48	1/2	5,898.21	1/2	6,478.90	1/2	7,029.06	1/2	7,537.67	1/2	7,990.90	1/2	8,369.25	1/2	8,637.45	1/2		1/2	
3/4	5,309.18	3/4	5,910.56	3/4	6,490.72	3/4	7,040.14	3/4	7,547.74	3/4	7,999.64	3/4	8,376.16	3/4	8,641.40	3/4		3/4	
7	5,321.87	7	5,922.91	7	6,502.53	7	7,051.21	7	7,557.82	7	8,008.39	7	8,383.07	7	8,645.35	7		7	
1/4	5,334.54	1/4	5,935.22	1/4	6,514.29	1/4	7,062.20	1/4	7,567.79	1/4	8,017.00	1/4	8,389.79	1/4	8,648.93	1/4		1/4	
1/2	5,347.22	1/2	5,947.53	1/2	6,526.06	1/2	7,073.20	1/2	7,577.77	1/2	8,025.62	1/2	8,396.52	1/2	8,652.51	1/2		1/2	
3/4	5,359.89	3/4	5,959.84	3/4	6,537.82	3/4	7,084.20	3/4	7,587.75	3/4	8,034.23	3/4	8,403.24	3/4	8,656.08	3/4		3/4	
8	5,372.56	8	5,972.15	8	6,549.58	8	7,095.20	8	7,597.73	8	8,042.85	8	8,409.96	8	8,659.66	8		8	
1/4	5,385.21	1/4	5,984.43	1/4	6,561.28	1/4	7,106.12	1/4	7,607.61	1/4	8,051.33	1/4	8,416.49	1/4	8,662.82	1/4		1/4	
1/2	5,397.86	1/2	5,996.70	1/2	6,572.99	1/2	7,117.05	1/2	7,617.48	1/2	8,059.81	1/2	8,423.02	1/2	8,665.98	1/2		1/2	
3/4	5,410.51	3/4	6,008.97	3/4	6,584.70	3/4	7,127.97	3/4	7,627.36	3/4	8,068.30	3/4	8,429.55	3/4	8,669.13	3/4		3/4	
9	5,423.16	9	6,021.25	9	6,596.40	9	7,138.90	9	7,637.24	9	8,076.78	9	8,436.08	9	8,672.29	9		9	
1/4	5,435.78	1/4	6,033.48	1/4	6,608.05	1/4	7,149.74	1/4	7,647.02	1/4	8,085.12	1/4	8,442.40	1/4	8,674.96	1/4		1/4	
1/2	5,448.41	1/2	6,045.71	1/2	6,619.70	1/2	7,160.59	1/2	7,656.80	1/2	8,093.47	1/2	8,448.73	1/2	8,677.63	1/2		1/2	
3/4	5,461.03	3/4	6,057.94	3/4	6,631.35	3/4	7,171.44	3/4	7,666.57	3/4	8,101.81	3/4	8,455.05	3/4	8,680.30	3/4		3/4	
10	5,473.66	10	6,070.18	10	6,643.00	10	7,182.29	10	7,676.35	10	8,110.16	10	8,461.38	10	8,682.96	10		10	
1/4	5,486.25	1/4	6,082.37	1/4	6,654.59	1/4	7,193.06	1/4	7,686.02	1/4	8,118.36	1/4	8,467.49	1/4	8,685.02	1/4		1/4	
1/2	5,498.85	1/2	6,094.56	1/2	6,666.19	1/2	7,203.83	1/2	7,695.70	1/2	8,126.57	1/2	8,473.61	1/2	8,687.09	1/2		1/2	
3/4	5,511.45	3/4	6,106.75	3/4	6,677.78	3/4	7,214.59	3/4	7,705.37	3/4	8,134.77	3/4	8,479.72	3/4	8,689.15	3/4		3/4	
11	5,524.05	11	6,118.94	11	6,689.37	11	7,225.36	11	7,715.05	11	8,142.98	11	8,485.84	11	8,691.21	11		11	
1/4	5,536.62	1/4	6,131.09	1/4	6,700.90	1/4	7,236.05	1/4	7,724.61	1/4	8,151.03	1/4	8,491.73	1/4	8,692.34	1/4		1/4	
1/2	5,549.19	1/2	6,143.24	1/2	6,712.44	1/2	7,246.74	1/2	7,734.18	1/2	8,159.09	1/2	8,497.63	1/2	8,693.46	1/2		1/2	
3/4	5,561.77	3/4	6,155.39	3/4	6,723.97	3/4	7,257.43	3/4	7,743.75	3/4	8,167.15	3/4	8,503.52	3/4	8,694.59	3/4		3/4	

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