



BARGE "KIRBY 16837"

PORT HORIZONTAL INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CMS 1602"

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	0.21	0	150.94	0	427.57	0	776.24	0	1,173.49	0	1,604.83	0	2,058.85	0	2,525.71	0	2,996.28	0	3,461.65
1/4	1.15	1/4	155.57	1/4	434.25	1/4	784.10	1/4	1,182.19	1/4	1,614.10	1/4	2,068.49	1/4	2,535.51	1/4	3,006.06	1/4	3,471.22
1/2	2.10	1/2	160.20	1/2	440.94	1/2	791.97	1/2	1,190.89	1/2	1,623.38	1/2	2,078.13	1/2	2,545.31	1/2	3,015.84	1/2	3,480.78
3/4	3.04	3/4	164.83	3/4	447.63	3/4	799.84	3/4	1,199.60	3/4	1,632.66	3/4	2,087.76	3/4	2,555.11	3/4	3,025.61	3/4	3,490.35
1	3.99	1	169.45	1	454.32	1	807.71	1	1,208.30	1	1,641.94	1	2,097.40	1	2,564.91	1	3,035.39	1	3,499.91
1/4	5.72	1/4	174.41	1/4	461.12	1/4	815.66	1/4	1,217.06	1/4	1,651.25	1/4	2,107.05	1/4	2,574.71	1/4	3,045.15	1/4	3,509.45
1/2	7.45	1/2	179.37	1/2	467.92	1/2	823.62	1/2	1,225.82	1/2	1,660.57	1/2	2,116.71	1/2	2,584.52	1/2	3,054.92	1/2	3,518.99
3/4	9.18	3/4	184.33	3/4	474.73	3/4	831.57	3/4	1,234.58	3/4	1,669.89	3/4	2,126.37	3/4	2,594.32	3/4	3,064.68	3/4	3,528.53
2	10.91	2	189.29	2	481.53	2	839.52	2	1,243.34	2	1,679.20	2	2,136.02	2	2,604.12	2	3,074.45	2	3,538.07
1/4	13.15	1/4	194.58	1/4	488.44	1/4	847.55	1/4	1,252.16	1/4	1,688.55	1/4	2,145.70	1/4	2,613.93	1/4	3,084.20	1/4	3,547.58
1/2	15.39	1/2	199.86	1/2	495.36	1/2	855.58	1/2	1,260.98	1/2	1,697.91	1/2	2,155.38	1/2	2,623.74	1/2	3,093.96	1/2	3,557.09
3/4	17.63	3/4	205.14	3/4	502.27	3/4	863.61	3/4	1,269.79	3/4	1,707.26	3/4	2,165.05	3/4	2,633.55	3/4	3,103.71	3/4	3,566.60
3	19.87	3	210.42	3	509.19	3	871.64	3	1,278.61	3	1,716.61	3	2,174.73	3	2,643.36	3	3,113.46	3	3,576.11
1/4	22.52	1/4	215.87	1/4	516.21	1/4	879.74	1/4	1,287.48	1/4	1,726.00	1/4	2,184.42	1/4	2,653.17	1/4	3,123.21	1/4	3,585.60
1/2	25.17	1/2	221.32	1/2	523.24	1/2	887.85	1/2	1,296.35	1/2	1,735.38	1/2	2,194.12	1/2	2,662.98	1/2	3,132.95	1/2	3,595.08
3/4	27.82	3/4	226.77	3/4	530.26	3/4	895.95	3/4	1,305.22	3/4	1,744.77	3/4	2,203.81	3/4	2,672.79	3/4	3,142.69	3/4	3,604.56
4	30.47	4	232.22	4	537.28	4	904.06	4	1,314.09	4	1,754.16	4	2,213.51	4	2,682.60	4	3,152.43	4	3,614.04
1/4	33.47	1/4	237.83	1/4	544.41	1/4	912.24	1/4	1,323.01	1/4	1,763.58	1/4	2,223.22	1/4	2,692.41	1/4	3,162.16	1/4	3,623.50
1/2	36.47	1/2	243.43	1/2	551.54	1/2	920.42	1/2	1,331.93	1/2	1,773.00	1/2	2,232.93	1/2	2,702.22	1/2	3,171.88	1/2	3,632.95
3/4	39.48	3/4	249.04	3/4	558.67	3/4	928.60	3/4	1,340.85	3/4	1,782.42	3/4	2,242.64	3/4	2,712.03	3/4	3,181.61	3/4	3,642.40
5	42.48	5	254.65	5	565.80	5	936.78	5	1,349.77	5	1,791.84	5	2,252.35	5	2,721.84	5	3,191.34	5	3,651.85
1/4	45.79	1/4	260.41	1/4	573.03	1/4	945.03	1/4	1,358.74	1/4	1,801.29	1/4	2,262.08	1/4	2,731.66	1/4	3,201.05	1/4	3,661.27
1/2	49.11	1/2	266.17	1/2	580.26	1/2	953.29	1/2	1,367.71	1/2	1,810.74	1/2	2,271.81	1/2	2,741.47	1/2	3,210.76	1/2	3,670.69
3/4	52.42	3/4	271.93	3/4	587.49	3/4	961.54	3/4	1,376.68	3/4	1,820.19	3/4	2,281.53	3/4	2,751.28	3/4	3,220.47	3/4	3,680.11
6	55.73	6	277.69	6	594.73	6	969.79	6	1,385.66	6	1,829.64	6	2,291.26	6	2,761.09	6	3,230.18	6	3,689.53
1/4	59.33	1/4	283.59	1/4	602.06	1/4	978.12	1/4	1,394.68	1/4	1,839.13	1/4	2,301.00	1/4	2,770.90	1/4	3,239.87	1/4	3,698.92
1/2	62.93	1/2	289.50	1/2	609.39	1/2	986.44	1/2	1,403.70	1/2	1,848.61	1/2	2,310.74	1/2	2,780.71	1/2	3,249.57	1/2	3,708.30
3/4	66.52	3/4	295.41	3/4	616.72	3/4	994.76	3/4	1,412.72	3/4	1,858.09	3/4	2,320.48	3/4	2,790.52	3/4	3,259.26	3/4	3,717.69
7	70.12	7	301.31	7	624.05	7	1,003.09	7	1,421.74	7	1,867.57	7	2,330.22	7	2,800.33	7	3,268.96	7	3,727.08
1/4	73.82	1/4	307.36	1/4	631.48	1/4	1,011.48	1/4	1,430.80	1/4	1,877.09	1/4	2,339.98	1/4	2,810.14	1/4	3,278.63	1/4	3,736.43
1/2	77.53	1/2	313.41	1/2	638.90	1/2	1,019.87	1/2	1,439.87	1/2	1,886.60	1/2	2,349.73	1/2	2,819.95	1/2	3,288.31	1/2	3,745.78
3/4	81.24	3/4	319.46	3/4	646.33	3/4	1,028.26	3/4	1,448.94	3/4	1,896.11	3/4	2,359.48	3/4	2,829.76	3/4	3,297.99	3/4	3,755.13
8	84.94	8	325.51	8	653.76	8	1,036.65	8	1,458.00	8	1,905.62	8	2,369.24	8	2,839.56	8	3,307.66	8	3,764.49
1/4	88.74	1/4	331.69	1/4	661.28	1/4	1,045.11	1/4	1,467.12	1/4	1,915.16	1/4	2,379.00	1/4	2,849.37	1/4	3,317.32	1/4	3,773.80
1/2	92.53	1/2	337.88	1/2	668.80	1/2	1,053.57	1/2	1,476.23	1/2	1,924.70	1/2	2,388.77	1/2	2,859.17	1/2	3,326.98	1/2	3,783.12
3/4	96.33	3/4	344.06	3/4	676.32	3/4	1,062.02	3/4	1,485.34	3/4	1,934.24	3/4	2,398.53	3/4	2,868.98	3/4	3,336.63	3/4	3,792.43
9	100.13	9	350.25	9	683.84	9	1,070.48	9	1,494.45	9	1,943.78	9	2,408.30	9	2,878.78	9	3,346.29	9	3,801.75
1/4	104.15	1/4	356.57	1/4	691.45	1/4	1,079.00	1/4	1,503.61	1/4	1,953.34	1/4	2,418.08	1/4	2,888.58	1/4	3,355.93	1/4	3,811.03
1/2	108.18	1/2	362.88	1/2	699.07	1/2	1,087.53	1/2	1,512.77	1/2	1,962.91	1/2	2,427.85	1/2	2,898.38	1/2	3,365.56	1/2	3,820.31
3/4	112.21	3/4	369.20	3/4	706.68	3/4	1,096.05	3/4	1,521.92	3/4	1,972.47	3/4	2,437.63	3/4	2,908.18	3/4	3,375.20	3/4	3,829.58
10	116.23	10	375.52	10	714.29	10	1,104.57	10	1,531.08	10	1,982.04	10	2,447.40	10	2,917.98	10	3,384.83	10	3,838.86
1/4	120.47	1/4	381.96	1/4	721.99	1/4	1,113.15	1/4	1,540.28	1/4	1,991.63	1/4	2,457.19	1/4	2,927.77	1/4	3,394.45	1/4	3,848.10
1/2	124.71	1/2	388.41	1/2	729.69	1/2	1,121.74	1/2	1,549.47	1/2	2,001.22	1/2	2,466.97	1/2	2,937.56	1/2	3,404.06	1/2	3,857.34
3/4	128.95	3/4	394.85	3/4	737.39	3/4	1,130.32	3/4	1,558.67	3/4	2,010.81	3/4	2,476.76	3/4	2,947.35	3/4	3,413.68	3/4	3,866.58
11	133.18	11	401.30	11	745.09	11	1,138.91	11	1,567.87	11	2,020.40	11	2,486.54	11	2,957.15	11	3,423.29	11	3,875.82
1/4	137.62	1/4	407.86	1/4	752.88	1/4	1,147.55	1/4	1,577.11	1/4	2,030.01	1/4	2,496.33	1/4	2,966.93	1/4	3,432.88	1/4	3,885.02
1/2	142.06	1/2	414.43	1/2	760.66	1/2	1,156.20	1/2	1,586.35	1/2	2,039.63	1/2	2,506.13	1/2	2,976.71	1/2	3,442.47	1/2	3,894.21
3/4	146.50	3/4	421.00	3/4	768.45	3/4	1,164.84	3/4	1,595.59	3/4	2,049.24	3/4	2,515.92	3/4	2,986.50	3/4	3,452.06	3/4	3,903.41

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 16837"

PORT HORIZONTAL INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CMS 1602"

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	3,912.61	0	4,339.12	0	4,729.40	0	5,068.16	0	5,331.65	0		0		0		0		0	
1/4	3,921.77	1/4	4,347.64	1/4	4,737.01	1/4	5,074.48	1/4	5,335.98	1/4		1/4		1/4		1/4		1/4	
1/2	3,930.92	1/2	4,356.16	1/2	4,744.62	1/2	5,080.79	1/2	5,340.30	1/2		1/2		1/2		1/2		1/2	
3/4	3,940.08	3/4	4,364.68	3/4	4,752.23	3/4	5,087.11	3/4	5,344.63	3/4		3/4		3/4		3/4		3/4	
1	3,949.23	1	4,373.21	1	4,759.85	1	5,093.43	1	5,348.96	1		1		1		1		1	
1/4	3,958.35	1/4	4,381.66	1/4	4,767.37	1/4	5,099.61	1/4	5,353.06	1/4		1/4		1/4		1/4		1/4	
1/2	3,967.46	1/2	4,390.12	1/2	4,774.89	1/2	5,105.79	1/2	5,357.16	1/2		1/2		1/2		1/2		1/2	
3/4	3,976.57	3/4	4,398.58	3/4	4,782.41	3/4	5,111.98	3/4	5,361.26	3/4		3/4		3/4		3/4		3/4	
2	3,985.68	2	4,407.04	2	4,789.93	2	5,118.16	2	5,365.36	2		2		2		2		2	
1/4	3,994.75	1/4	4,415.43	1/4	4,797.36	1/4	5,124.21	1/4	5,369.22	1/4		1/4		1/4		1/4		1/4	
1/2	4,003.82	1/2	4,423.82	1/2	4,804.78	1/2	5,130.26	1/2	5,373.08	1/2		1/2		1/2		1/2		1/2	
3/4	4,012.88	3/4	4,432.21	3/4	4,812.21	3/4	5,136.31	3/4	5,376.94	3/4		3/4		3/4		3/4		3/4	
3	4,021.95	3	4,440.60	3	4,819.64	3	5,142.35	3	5,380.80	3		3		3		3		3	
1/4	4,030.97	1/4	4,448.92	1/4	4,826.97	1/4	5,148.26	1/4	5,384.40	1/4		1/4		1/4		1/4		1/4	
1/2	4,039.99	1/2	4,457.25	1/2	4,834.30	1/2	5,154.16	1/2	5,388.00	1/2		1/2		1/2		1/2		1/2	
3/4	4,049.01	3/4	4,465.57	3/4	4,841.63	3/4	5,160.07	3/4	5,391.60	3/4		3/4		3/4		3/4		3/4	
4	4,058.03	4	4,473.89	4	4,848.96	4	5,165.98	4	5,395.20	4		4		4		4		4	
1/4	4,067.00	1/4	4,482.15	1/4	4,856.19	1/4	5,171.74	1/4	5,398.52	1/4		1/4		1/4		1/4		1/4	
1/2	4,075.97	1/2	4,490.40	1/2	4,863.42	1/2	5,177.50	1/2	5,401.84	1/2		1/2		1/2		1/2		1/2	
3/4	4,084.95	3/4	4,498.65	3/4	4,870.66	3/4	5,183.26	3/4	5,405.15	3/4		3/4		3/4		3/4		3/4	
5	4,093.92	5	4,506.91	5	4,877.89	5	5,189.02	5	5,408.47	5		5		5		5		5	
1/4	4,102.84	1/4	4,515.09	1/4	4,885.02	1/4	5,194.63	1/4	5,411.48	1/4		1/4		1/4		1/4		1/4	
1/2	4,111.76	1/2	4,523.27	1/2	4,892.15	1/2	5,200.24	1/2	5,414.48	1/2		1/2		1/2		1/2		1/2	
3/4	4,120.68	3/4	4,531.45	3/4	4,899.27	3/4	5,205.84	3/4	5,417.49	3/4		3/4		3/4		3/4		3/4	
6	4,129.60	6	4,539.63	6	4,906.40	6	5,211.45	6	5,420.49	6		6		6		6		6	
1/4	4,138.47	1/4	4,547.73	1/4	4,913.43	1/4	5,216.90	1/4	5,423.15	1/4		1/4		1/4		1/4		1/4	
1/2	4,147.34	1/2	4,555.84	1/2	4,920.45	1/2	5,222.35	1/2	5,425.80	1/2		1/2		1/2		1/2		1/2	
3/4	4,156.21	3/4	4,563.95	3/4	4,927.48	3/4	5,227.80	3/4	5,428.46	3/4		3/4		3/4		3/4		3/4	
7	4,165.08	7	4,572.05	7	4,934.50	7	5,233.25	7	5,431.11	7		7		7		7		7	
1/4	4,173.90	1/4	4,580.08	1/4	4,941.41	1/4	5,238.53	1/4	5,433.35	1/4		1/4		1/4		1/4		1/4	
1/2	4,182.71	1/2	4,588.11	1/2	4,948.33	1/2	5,243.82	1/2	5,435.60	1/2		1/2		1/2		1/2		1/2	
3/4	4,191.53	3/4	4,596.14	3/4	4,955.24	3/4	5,249.10	3/4	5,437.84	3/4		3/4		3/4		3/4		3/4	
8	4,200.34	8	4,604.17	8	4,962.16	8	5,254.38	8	5,440.09	8		8		8		8		8	
1/4	4,209.10	1/4	4,612.12	1/4	4,968.96	1/4	5,259.49	1/4	5,441.82	1/4		1/4		1/4		1/4		1/4	
1/2	4,217.87	1/2	4,620.07	1/2	4,975.77	1/2	5,264.61	1/2	5,443.56	1/2		1/2		1/2		1/2		1/2	
3/4	4,226.63	3/4	4,628.02	3/4	4,982.57	3/4	5,269.72	3/4	5,445.29	3/4		3/4		3/4		3/4		3/4	
9	4,235.39	9	4,635.97	9	4,989.37	9	5,274.83	9	5,447.03	9		9		9		9		9	
1/4	4,244.09	1/4	4,643.84	1/4	4,996.06	1/4	5,279.76	1/4	5,447.97	1/4		1/4		1/4		1/4		1/4	
1/2	4,252.79	1/2	4,651.71	1/2	5,002.75	1/2	5,284.68	1/2	5,448.92	1/2		1/2		1/2		1/2		1/2	
3/4	4,261.50	3/4	4,659.58	3/4	5,009.43	3/4	5,289.61	3/4	5,449.87	3/4		3/4		3/4		3/4		3/4	
10	4,270.20	10	4,667.45	10	5,016.12	10	5,294.54	10	5,450.82	10		10		10		10		10	
1/4	4,278.85	1/4	4,675.24	1/4	5,022.69	1/4	5,299.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,287.49	1/2	4,683.02	1/2	5,029.25	1/2	5,304.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,296.14	3/4	4,690.81	3/4	5,035.82	3/4	5,308.76	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,304.78	11	4,698.60	11	5,042.39	11	5,313.50	11		11		11		11		11		11	
1/4	4,313.37	1/4	4,706.30	1/4	5,048.83	1/4	5,318.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,321.95	1/2	4,714.00	1/2	5,055.27	1/2	5,322.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,330.53	3/4	4,721.70	3/4	5,061.72	3/4	5,327.11	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/17/2010 CL - SW
CALCULATED: 12/17/2010 CL
NAME CHANGE: 04/09/2020

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

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



BARGE "KIRBY 16837"

CENTER HORIZONTAL INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CMS 1602"

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	0.21	0	150.85	0	427.25	0	775.60	0	1,172.44	0	1,603.32	0	2,056.83	0	2,523.16	0	2,993.19	0	3,458.02
1/4	1.15	1/4	155.47	1/4	433.93	1/4	783.46	1/4	1,181.14	1/4	1,612.58	1/4	2,066.46	1/4	2,532.95	1/4	3,002.95	1/4	3,467.58
1/2	2.10	1/2	160.10	1/2	440.61	1/2	791.32	1/2	1,189.83	1/2	1,621.85	1/2	2,076.08	1/2	2,542.73	1/2	3,012.72	1/2	3,477.13
3/4	3.04	3/4	164.72	3/4	447.30	3/4	799.18	3/4	1,198.53	3/4	1,631.12	3/4	2,085.71	3/4	2,552.52	3/4	3,022.48	3/4	3,486.69
1	3.99	1	169.35	1	453.98	1	807.04	1	1,207.22	1	1,640.39	1	2,095.33	1	2,562.31	1	3,032.25	1	3,496.24
1/4	5.72	1/4	174.30	1/4	460.77	1/4	814.99	1/4	1,215.97	1/4	1,649.69	1/4	2,104.98	1/4	2,572.10	1/4	3,042.00	1/4	3,505.77
1/2	7.45	1/2	179.26	1/2	467.57	1/2	822.93	1/2	1,224.72	1/2	1,659.00	1/2	2,114.63	1/2	2,581.90	1/2	3,051.76	1/2	3,515.30
3/4	9.18	3/4	184.22	3/4	474.37	3/4	830.87	3/4	1,233.47	3/4	1,668.30	3/4	2,124.27	3/4	2,591.69	3/4	3,061.51	3/4	3,524.83
2	10.91	2	189.17	2	481.17	2	838.82	2	1,242.23	2	1,677.61	2	2,133.92	2	2,601.48	2	3,071.26	2	3,534.36
1/4	13.14	1/4	194.45	1/4	488.07	1/4	846.84	1/4	1,251.03	1/4	1,686.95	1/4	2,143.58	1/4	2,611.28	1/4	3,081.01	1/4	3,543.86
1/2	15.38	1/2	199.73	1/2	494.98	1/2	854.86	1/2	1,259.84	1/2	1,696.29	1/2	2,153.25	1/2	2,621.07	1/2	3,090.75	1/2	3,553.36
3/4	17.62	3/4	205.01	3/4	501.89	3/4	862.88	3/4	1,268.65	3/4	1,705.63	3/4	2,162.91	3/4	2,630.87	3/4	3,100.49	3/4	3,562.86
3	19.86	3	210.29	3	508.80	3	870.90	3	1,277.45	3	1,714.98	3	2,172.58	3	2,640.67	3	3,110.24	3	3,572.36
1/4	22.51	1/4	215.73	1/4	515.82	1/4	879.00	1/4	1,286.31	1/4	1,724.35	1/4	2,182.26	1/4	2,650.47	1/4	3,119.97	1/4	3,581.83
1/2	25.16	1/2	221.18	1/2	522.84	1/2	887.10	1/2	1,295.17	1/2	1,733.73	1/2	2,191.95	1/2	2,660.27	1/2	3,129.70	1/2	3,591.30
3/4	27.81	3/4	226.62	3/4	529.85	3/4	895.20	3/4	1,304.03	3/4	1,743.10	3/4	2,201.63	3/4	2,670.06	3/4	3,139.43	3/4	3,600.77
4	30.46	4	232.06	4	536.87	4	903.29	4	1,312.89	4	1,752.48	4	2,211.31	4	2,679.86	4	3,149.16	4	3,610.25
1/4	33.46	1/4	237.67	1/4	543.99	1/4	911.47	1/4	1,321.80	1/4	1,761.89	1/4	2,221.01	1/4	2,689.66	1/4	3,158.87	1/4	3,619.69
1/2	36.46	1/2	243.27	1/2	551.12	1/2	919.64	1/2	1,330.72	1/2	1,771.30	1/2	2,230.71	1/2	2,699.46	1/2	3,168.59	1/2	3,629.13
3/4	39.46	3/4	248.87	3/4	558.24	3/4	927.81	3/4	1,339.63	3/4	1,780.71	3/4	2,240.41	3/4	2,709.26	3/4	3,178.30	3/4	3,638.57
5	42.46	5	254.48	5	565.36	5	935.98	5	1,348.54	5	1,790.12	5	2,250.11	5	2,719.07	5	3,188.02	5	3,648.01
1/4	45.77	1/4	260.23	1/4	572.59	1/4	944.23	1/4	1,357.50	1/4	1,799.56	1/4	2,259.83	1/4	2,728.87	1/4	3,197.72	1/4	3,657.42
1/2	49.08	1/2	265.99	1/2	579.81	1/2	952.47	1/2	1,366.46	1/2	1,809.00	1/2	2,269.54	1/2	2,738.67	1/2	3,207.42	1/2	3,666.83
3/4	52.39	3/4	271.74	3/4	587.03	3/4	960.72	3/4	1,375.42	3/4	1,818.44	3/4	2,279.26	3/4	2,748.47	3/4	3,217.12	3/4	3,676.24
6	55.70	6	277.50	6	594.26	6	968.96	6	1,384.39	6	1,827.88	6	2,288.98	6	2,758.27	6	3,226.82	6	3,685.65
1/4	59.30	1/4	283.40	1/4	601.58	1/4	977.28	1/4	1,393.40	1/4	1,837.36	1/4	2,298.71	1/4	2,768.07	1/4	3,236.50	1/4	3,695.03
1/2	62.89	1/2	289.30	1/2	608.91	1/2	985.59	1/2	1,402.41	1/2	1,846.83	1/2	2,308.43	1/2	2,777.87	1/2	3,246.18	1/2	3,704.40
3/4	66.49	3/4	295.20	3/4	616.23	3/4	993.90	3/4	1,411.42	3/4	1,856.30	3/4	2,318.16	3/4	2,787.66	3/4	3,255.87	3/4	3,713.78
7	70.08	7	301.11	7	623.56	7	1,002.22	7	1,420.43	7	1,865.77	7	2,327.89	7	2,797.46	7	3,265.55	7	3,723.15
1/4	73.78	1/4	307.15	1/4	630.98	1/4	1,010.60	1/4	1,429.48	1/4	1,875.27	1/4	2,337.64	1/4	2,807.26	1/4	3,275.22	1/4	3,732.50
1/2	77.49	1/2	313.19	1/2	638.40	1/2	1,018.98	1/2	1,438.54	1/2	1,884.77	1/2	2,347.38	1/2	2,817.06	1/2	3,284.88	1/2	3,741.84
3/4	81.19	3/4	319.24	3/4	645.82	3/4	1,027.37	3/4	1,447.60	3/4	1,894.27	3/4	2,357.12	3/4	2,826.85	3/4	3,294.55	3/4	3,751.18
8	84.90	8	325.28	8	653.24	8	1,035.75	8	1,456.66	8	1,903.77	8	2,366.87	8	2,836.65	8	3,304.21	8	3,760.52
1/4	88.69	1/4	331.46	1/4	660.75	1/4	1,044.20	1/4	1,465.76	1/4	1,913.30	1/4	2,376.62	1/4	2,846.44	1/4	3,313.86	1/4	3,769.83
1/2	92.48	1/2	337.64	1/2	668.26	1/2	1,052.65	1/2	1,474.86	1/2	1,922.83	1/2	2,386.37	1/2	2,856.24	1/2	3,323.50	1/2	3,779.13
3/4	96.28	3/4	343.82	3/4	675.78	3/4	1,061.10	3/4	1,483.96	3/4	1,932.36	3/4	2,396.13	3/4	2,866.03	3/4	3,333.15	3/4	3,788.44
9	100.07	9	350.00	9	683.29	9	1,069.55	9	1,493.06	9	1,941.89	9	2,405.88	9	2,875.82	9	3,342.80	9	3,797.74
1/4	104.09	1/4	356.31	1/4	690.90	1/4	1,078.06	1/4	1,502.21	1/4	1,951.44	1/4	2,415.65	1/4	2,885.61	1/4	3,352.42	1/4	3,807.01
1/2	108.12	1/2	362.62	1/2	698.50	1/2	1,086.57	1/2	1,511.36	1/2	1,961.00	1/2	2,425.41	1/2	2,895.40	1/2	3,362.05	1/2	3,816.28
3/4	112.14	3/4	368.94	3/4	706.11	3/4	1,095.08	3/4	1,520.50	3/4	1,970.55	3/4	2,435.18	3/4	2,905.18	3/4	3,371.67	3/4	3,825.55
10	116.16	10	375.25	10	713.71	10	1,103.60	10	1,529.65	10	1,980.11	10	2,444.94	10	2,914.97	10	3,381.30	10	3,834.81
1/4	120.40	1/4	381.69	1/4	721.40	1/4	1,112.17	1/4	1,538.84	1/4	1,989.69	1/4	2,454.71	1/4	2,924.75	1/4	3,390.90	1/4	3,844.04
1/2	124.63	1/2	388.13	1/2	729.10	1/2	1,120.75	1/2	1,548.02	1/2	1,999.26	1/2	2,464.49	1/2	2,934.53	1/2	3,400.50	1/2	3,853.27
3/4	128.87	3/4	394.56	3/4	736.79	3/4	1,129.32	3/4	1,557.21	3/4	2,008.84	3/4	2,474.26	3/4	2,944.31	3/4	3,410.10	3/4	3,862.50
11	133.10	11	401.00	11	744.48	11	1,137.90	11	1,566.40	11	2,018.42	11	2,484.03	11	2,954.10	11	3,419.71	11	3,871.73
1/4	137.54	1/4	407.57	1/4	752.26	1/4	1,146.54	1/4	1,575.63	1/4	2,028.03	1/4	2,493.82	1/4	2,963.87	1/4	3,429.29	1/4	3,880.92
1/2	141.98	1/2	414.13	1/2	760.04	1/2	1,155.17	1/2	1,584.86	1/2	2,037.63	1/2	2,503.60	1/2	2,973.64	1/2	3,438.87	1/2	3,890.11
3/4	146.41	3/4	420.69	3/4	767.82	3/4	1,163.81	3/4	1,594.09	3/4	2,047.23	3/4	2,513.38	3/4	2,983.42	3/4	3,448.45	3/4	3,899.29

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.

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BARGE "KIRBY 16837"

CENTER HORIZONTAL INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CMS 1602"

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	3,908.48	0	4,334.53	0	4,724.42	0	5,062.88	0	5,326.16	0		0		0		0		0	
1/4	3,917.63	1/4	4,343.05	1/4	4,732.02	1/4	5,069.19	1/4	5,330.48	1/4		1/4		1/4		1/4		1/4	
1/2	3,926.77	1/2	4,351.56	1/2	4,739.63	1/2	5,075.50	1/2	5,334.81	1/2		1/2		1/2		1/2		1/2	
3/4	3,935.92	3/4	4,360.07	3/4	4,747.23	3/4	5,081.81	3/4	5,339.13	3/4		3/4		3/4		3/4		3/4	
1	3,945.07	1	4,368.58	1	4,754.84	1	5,088.12	1	5,343.46	1		1		1		1		1	
1/4	3,954.17	1/4	4,377.03	1/4	4,762.35	1/4	5,094.30	1/4	5,347.55	1/4		1/4		1/4		1/4		1/4	
1/2	3,963.27	1/2	4,385.48	1/2	4,769.87	1/2	5,100.48	1/2	5,351.65	1/2		1/2		1/2		1/2		1/2	
3/4	3,972.37	3/4	4,393.93	3/4	4,777.38	3/4	5,106.66	3/4	5,355.75	3/4		3/4		3/4		3/4		3/4	
2	3,981.47	2	4,402.38	2	4,784.89	2	5,112.83	2	5,359.85	2		2		2		2		2	
1/4	3,990.53	1/4	4,410.76	1/4	4,792.31	1/4	5,118.88	1/4	5,363.71	1/4		1/4		1/4		1/4		1/4	
1/2	3,999.59	1/2	4,419.15	1/2	4,799.73	1/2	5,124.92	1/2	5,367.56	1/2		1/2		1/2		1/2		1/2	
3/4	4,008.65	3/4	4,427.53	3/4	4,807.15	3/4	5,130.96	3/4	5,371.42	3/4		3/4		3/4		3/4		3/4	
3	4,017.70	3	4,435.91	3	4,814.57	3	5,137.00	3	5,375.28	3		3		3		3		3	
1/4	4,026.71	1/4	4,444.23	1/4	4,821.90	1/4	5,142.91	1/4	5,378.88	1/4		1/4		1/4		1/4		1/4	
1/2	4,035.72	1/2	4,452.54	1/2	4,829.22	1/2	5,148.81	1/2	5,382.47	1/2		1/2		1/2		1/2		1/2	
3/4	4,044.73	3/4	4,460.85	3/4	4,836.55	3/4	5,154.71	3/4	5,386.07	3/4		3/4		3/4		3/4		3/4	
4	4,053.74	4	4,469.17	4	4,843.87	4	5,160.61	4	5,389.67	4		4		4		4		4	
1/4	4,062.71	1/4	4,477.41	1/4	4,851.10	1/4	5,166.37	1/4	5,392.99	1/4		1/4		1/4		1/4		1/4	
1/2	4,071.67	1/2	4,485.66	1/2	4,858.32	1/2	5,172.12	1/2	5,396.30	1/2		1/2		1/2		1/2		1/2	
3/4	4,080.63	3/4	4,493.90	3/4	4,865.54	3/4	5,177.88	3/4	5,399.62	3/4		3/4		3/4		3/4		3/4	
5	4,089.59	5	4,502.15	5	4,872.77	5	5,183.63	5	5,402.93	5		5		5		5		5	
1/4	4,098.50	1/4	4,510.32	1/4	4,879.89	1/4	5,189.24	1/4	5,405.94	1/4		1/4		1/4		1/4		1/4	
1/2	4,107.41	1/2	4,518.49	1/2	4,887.01	1/2	5,194.84	1/2	5,408.94	1/2		1/2		1/2		1/2		1/2	
3/4	4,116.33	3/4	4,526.66	3/4	4,894.14	3/4	5,200.45	3/4	5,411.95	3/4		3/4		3/4		3/4		3/4	
6	4,125.24	6	4,534.84	6	4,901.26	6	5,206.05	6	5,414.95	6		6		6		6		6	
1/4	4,134.10	1/4	4,542.93	1/4	4,908.28	1/4	5,211.50	1/4	5,417.60	1/4		1/4		1/4		1/4		1/4	
1/2	4,142.96	1/2	4,551.03	1/2	4,915.29	1/2	5,216.94	1/2	5,420.26	1/2		1/2		1/2		1/2		1/2	
3/4	4,151.82	3/4	4,559.13	3/4	4,922.31	3/4	5,222.39	3/4	5,422.91	3/4		3/4		3/4		3/4		3/4	
7	4,160.68	7	4,567.23	7	4,929.33	7	5,227.83	7	5,425.56	7		7		7		7		7	
1/4	4,169.48	1/4	4,575.25	1/4	4,936.24	1/4	5,233.11	1/4	5,427.80	1/4		1/4		1/4		1/4		1/4	
1/2	4,178.29	1/2	4,583.27	1/2	4,943.15	1/2	5,238.39	1/2	5,430.05	1/2		1/2		1/2		1/2		1/2	
3/4	4,187.10	3/4	4,591.29	3/4	4,950.06	3/4	5,243.67	3/4	5,432.29	3/4		3/4		3/4		3/4		3/4	
8	4,195.90	8	4,599.31	8	4,956.96	8	5,248.95	8	5,434.53	8		8		8		8		8	
1/4	4,204.66	1/4	4,607.26	1/4	4,963.76	1/4	5,254.06	1/4	5,436.27	1/4		1/4		1/4		1/4		1/4	
1/2	4,213.41	1/2	4,615.20	1/2	4,970.56	1/2	5,259.16	1/2	5,438.00	1/2		1/2		1/2		1/2		1/2	
3/4	4,222.16	3/4	4,623.14	3/4	4,977.36	3/4	5,264.27	3/4	5,439.74	3/4		3/4		3/4		3/4		3/4	
9	4,230.91	9	4,631.09	9	4,984.15	9	5,269.38	9	5,441.47	9		9		9		9		9	
1/4	4,239.60	1/4	4,638.95	1/4	4,990.83	1/4	5,274.30	1/4	5,442.42	1/4		1/4		1/4		1/4		1/4	
1/2	4,248.30	1/2	4,646.81	1/2	4,997.52	1/2	5,279.23	1/2	5,443.37	1/2		1/2		1/2		1/2		1/2	
3/4	4,256.99	3/4	4,654.67	3/4	5,004.20	3/4	5,284.15	3/4	5,444.31	3/4		3/4		3/4		3/4		3/4	
10	4,265.69	10	4,662.53	10	5,010.88	10	5,289.08	10	5,445.26	10		10		10		10		10	
1/4	4,274.32	1/4	4,670.31	1/4	5,017.44	1/4	5,293.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,282.96	1/2	4,678.09	1/2	5,024.00	1/2	5,298.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,291.60	3/4	4,685.87	3/4	5,030.56	3/4	5,303.28	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,300.23	11	4,693.65	11	5,037.12	11	5,308.02	11		11		11		11		11		11	
1/4	4,308.81	1/4	4,701.34	1/4	5,043.56	1/4	5,312.56	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,317.38	1/2	4,709.03	1/2	5,050.00	1/2	5,317.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,325.96	3/4	4,716.73	3/4	5,056.44	3/4	5,321.63	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/17/2010 CL - SW
CALCULATED: 12/17/2010 CL
NAME CHANGE: 04/09/2020

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

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



BARGE "KIRBY 16837"

STBD HORIZONTAL INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CMS 1602"

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	0.21	0	150.86	0	427.28	0	775.64	0	1,172.51	0	1,603.39	0	2,056.92	0	2,523.26	0	2,993.30	0	3,458.15
1/4	1.15	1/4	155.49	1/4	433.96	1/4	783.51	1/4	1,181.20	1/4	1,612.66	1/4	2,066.55	1/4	2,533.05	1/4	3,003.07	1/4	3,467.71
1/2	2.10	1/2	160.11	1/2	440.65	1/2	791.37	1/2	1,189.89	1/2	1,621.93	1/2	2,076.17	1/2	2,542.84	1/2	3,012.83	1/2	3,477.26
3/4	3.04	3/4	164.74	3/4	447.33	3/4	799.23	3/4	1,198.59	3/4	1,631.20	3/4	2,085.80	3/4	2,552.62	3/4	3,022.60	3/4	3,486.81
1	3.99	1	169.36	1	454.01	1	807.09	1	1,207.28	1	1,640.47	1	2,095.43	1	2,562.41	1	3,032.36	1	3,496.37
1/4	5.72	1/4	174.32	1/4	460.81	1/4	815.04	1/4	1,216.04	1/4	1,649.77	1/4	2,105.07	1/4	2,572.21	1/4	3,042.12	1/4	3,505.90
1/2	7.45	1/2	179.28	1/2	467.60	1/2	822.98	1/2	1,224.79	1/2	1,659.08	1/2	2,114.72	1/2	2,582.00	1/2	3,051.87	1/2	3,515.43
3/4	9.18	3/4	184.23	3/4	474.40	3/4	830.92	3/4	1,233.54	3/4	1,668.38	3/4	2,124.36	3/4	2,591.79	3/4	3,061.63	3/4	3,524.96
2	10.91	2	189.19	2	481.20	2	838.87	2	1,242.29	2	1,677.69	2	2,134.01	2	2,601.58	2	3,071.38	2	3,534.48
1/4	13.15	1/4	194.47	1/4	488.11	1/4	846.89	1/4	1,251.10	1/4	1,687.03	1/4	2,143.68	1/4	2,611.38	1/4	3,081.12	1/4	3,543.99
1/2	15.39	1/2	199.75	1/2	495.02	1/2	854.91	1/2	1,259.91	1/2	1,696.37	1/2	2,153.34	1/2	2,621.18	1/2	3,090.87	1/2	3,553.49
3/4	17.62	3/4	205.03	3/4	501.93	3/4	862.93	3/4	1,268.71	3/4	1,705.71	3/4	2,163.01	3/4	2,630.98	3/4	3,100.61	3/4	3,562.99
3	19.86	3	210.30	3	508.84	3	870.95	3	1,277.52	3	1,715.06	3	2,172.67	3	2,640.77	3	3,110.35	3	3,572.49
1/4	22.51	1/4	215.75	1/4	515.85	1/4	879.05	1/4	1,286.38	1/4	1,724.43	1/4	2,182.36	1/4	2,650.57	1/4	3,120.08	1/4	3,581.96
1/2	25.16	1/2	221.19	1/2	522.87	1/2	887.15	1/2	1,295.24	1/2	1,733.81	1/2	2,192.04	1/2	2,660.37	1/2	3,129.81	1/2	3,591.43
3/4	27.81	3/4	226.64	3/4	529.89	3/4	895.25	3/4	1,304.10	3/4	1,743.19	3/4	2,201.72	3/4	2,670.17	3/4	3,139.54	3/4	3,600.90
4	30.46	4	232.08	4	536.91	4	903.35	4	1,312.96	4	1,752.56	4	2,211.41	4	2,679.97	4	3,149.27	4	3,610.38
1/4	33.46	1/4	237.69	1/4	544.03	1/4	911.52	1/4	1,321.87	1/4	1,761.97	1/4	2,221.11	1/4	2,689.77	1/4	3,158.99	1/4	3,619.82
1/2	36.46	1/2	243.29	1/2	551.15	1/2	919.69	1/2	1,330.78	1/2	1,771.38	1/2	2,230.81	1/2	2,699.57	1/2	3,168.70	1/2	3,629.26
3/4	39.46	3/4	248.89	3/4	558.28	3/4	927.86	3/4	1,339.70	3/4	1,780.79	3/4	2,240.51	3/4	2,709.37	3/4	3,178.42	3/4	3,638.70
5	42.46	5	254.50	5	565.40	5	936.04	5	1,348.61	5	1,790.20	5	2,250.21	5	2,719.17	5	3,188.14	5	3,648.14
1/4	45.77	1/4	260.25	1/4	572.62	1/4	944.28	1/4	1,357.57	1/4	1,799.64	1/4	2,259.92	1/4	2,728.97	1/4	3,197.84	1/4	3,657.55
1/2	49.09	1/2	266.01	1/2	579.85	1/2	952.53	1/2	1,366.53	1/2	1,809.08	1/2	2,269.64	1/2	2,738.77	1/2	3,207.54	1/2	3,666.96
3/4	52.40	3/4	271.76	3/4	587.07	3/4	960.77	3/4	1,375.49	3/4	1,818.53	3/4	2,279.36	3/4	2,748.57	3/4	3,217.24	3/4	3,676.37
6	55.71	6	277.52	6	594.30	6	969.02	6	1,384.46	6	1,827.97	6	2,289.07	6	2,758.37	6	3,226.94	6	3,685.78
1/4	59.30	1/4	283.42	1/4	601.62	1/4	977.33	1/4	1,393.47	1/4	1,837.44	1/4	2,298.80	1/4	2,768.17	1/4	3,236.62	1/4	3,695.16
1/2	62.90	1/2	289.32	1/2	608.95	1/2	985.65	1/2	1,402.48	1/2	1,846.91	1/2	2,308.53	1/2	2,777.97	1/2	3,246.31	1/2	3,704.53
3/4	66.49	3/4	295.23	3/4	616.27	3/4	993.96	3/4	1,411.49	3/4	1,856.38	3/4	2,318.26	3/4	2,787.77	3/4	3,255.99	3/4	3,713.91
7	70.09	7	301.13	7	623.60	7	1,002.28	7	1,420.50	7	1,865.86	7	2,327.99	7	2,797.57	7	3,265.67	7	3,723.29
1/4	73.79	1/4	307.17	1/4	631.02	1/4	1,010.66	1/4	1,429.56	1/4	1,875.36	1/4	2,337.73	1/4	2,807.37	1/4	3,275.34	1/4	3,732.63
1/2	77.50	1/2	313.22	1/2	638.44	1/2	1,019.04	1/2	1,438.61	1/2	1,884.86	1/2	2,347.48	1/2	2,817.17	1/2	3,285.00	1/2	3,741.97
3/4	81.20	3/4	319.26	3/4	645.86	3/4	1,027.43	3/4	1,447.67	3/4	1,894.36	3/4	2,357.22	3/4	2,826.96	3/4	3,294.67	3/4	3,751.31
8	84.90	8	325.30	8	653.28	8	1,035.81	8	1,456.73	8	1,903.86	8	2,366.96	8	2,836.76	8	3,304.33	8	3,760.66
1/4	88.70	1/4	331.48	1/4	660.79	1/4	1,044.26	1/4	1,465.83	1/4	1,913.39	1/4	2,376.72	1/4	2,846.55	1/4	3,313.98	1/4	3,769.96
1/2	92.49	1/2	337.67	1/2	668.31	1/2	1,052.71	1/2	1,474.93	1/2	1,922.92	1/2	2,386.47	1/2	2,856.35	1/2	3,323.63	1/2	3,779.27
3/4	96.29	3/4	343.85	3/4	675.82	3/4	1,061.16	3/4	1,484.04	3/4	1,932.45	3/4	2,396.23	3/4	2,866.14	3/4	3,333.27	3/4	3,788.57
9	100.08	9	350.03	9	683.33	9	1,069.60	9	1,493.14	9	1,941.97	9	2,405.98	9	2,875.93	9	3,342.92	9	3,797.88
1/4	104.10	1/4	356.34	1/4	690.94	1/4	1,078.12	1/4	1,502.28	1/4	1,951.53	1/4	2,415.75	1/4	2,885.72	1/4	3,352.54	1/4	3,807.15
1/2	108.13	1/2	362.65	1/2	698.54	1/2	1,086.63	1/2	1,511.43	1/2	1,961.08	1/2	2,425.51	1/2	2,895.51	1/2	3,362.17	1/2	3,816.41
3/4	112.15	3/4	368.96	3/4	706.15	3/4	1,095.14	3/4	1,520.58	3/4	1,970.64	3/4	2,435.28	3/4	2,905.29	3/4	3,371.79	3/4	3,825.68
10	116.17	10	375.27	10	713.75	10	1,103.66	10	1,529.72	10	1,980.19	10	2,445.04	10	2,915.08	10	3,381.42	10	3,834.95
1/4	120.41	1/4	381.71	1/4	721.45	1/4	1,112.23	1/4	1,538.91	1/4	1,989.77	1/4	2,454.81	1/4	2,924.86	1/4	3,391.02	1/4	3,844.18
1/2	124.65	1/2	388.15	1/2	729.14	1/2	1,120.81	1/2	1,548.10	1/2	1,999.35	1/2	2,464.59	1/2	2,934.65	1/2	3,400.63	1/2	3,853.41
3/4	128.88	3/4	394.59	3/4	736.83	3/4	1,129.39	3/4	1,557.29	3/4	2,008.93	3/4	2,474.36	3/4	2,944.43	3/4	3,410.23	3/4	3,862.64
11	133.12	11	401.03	11	744.53	11	1,137.96	11	1,566.48	11	2,018.51	11	2,484.14	11	2,954.21	11	3,419.83	11	3,871.87
1/4	137.55	1/4	407.59	1/4	752.31	1/4	1,146.60	1/4	1,575.71	1/4	2,028.12	1/4	2,493.92	1/4	2,963.98	1/4	3,429.41	1/4	3,881.06
1/2	141.99	1/2	414.16	1/2	760.09	1/2	1,155.23	1/2	1,584.93	1/2	2,037.72	1/2	2,503.70	1/2	2,973.76	1/2	3,438.99	1/2	3,890.24
3/4	146.42	3/4	420.72	3/4	767.86	3/4	1,163.87	3/4	1,594.16	3/4	2,047.32	3/4	2,513.48	3/4	2,983.53	3/4	3,448.57	3/4	3,899.43

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 16837"

STBD HORIZONTAL INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CMS 1602"

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	3,908.62	0	4,334.69	0	4,724.59	0	5,063.06	0	5,326.36	0		0		0		0		0	
1/4	3,917.77	1/4	4,343.20	1/4	4,732.19	1/4	5,069.37	1/4	5,330.69	1/4		1/4		1/4		1/4		1/4	
1/2	3,926.91	1/2	4,351.71	1/2	4,739.80	1/2	5,075.68	1/2	5,335.01	1/2		1/2		1/2		1/2		1/2	
3/4	3,936.06	3/4	4,360.23	3/4	4,747.40	3/4	5,081.99	3/4	5,339.34	3/4		3/4		3/4		3/4		3/4	
1	3,945.21	1	4,368.74	1	4,755.01	1	5,088.31	1	5,343.66	1		1		1		1		1	
1/4	3,954.31	1/4	4,377.19	1/4	4,762.52	1/4	5,094.49	1/4	5,347.76	1/4		1/4		1/4		1/4		1/4	
1/2	3,963.41	1/2	4,385.64	1/2	4,770.04	1/2	5,100.66	1/2	5,351.86	1/2		1/2		1/2		1/2		1/2	
3/4	3,972.51	3/4	4,394.09	3/4	4,777.55	3/4	5,106.84	3/4	5,355.96	3/4		3/4		3/4		3/4		3/4	
2	3,981.62	2	4,402.54	2	4,785.07	2	5,113.02	2	5,360.05	2		2		2		2		2	
1/4	3,990.67	1/4	4,410.92	1/4	4,792.49	1/4	5,119.07	1/4	5,363.91	1/4		1/4		1/4		1/4		1/4	
1/2	3,999.73	1/2	4,419.30	1/2	4,799.91	1/2	5,125.11	1/2	5,367.77	1/2		1/2		1/2		1/2		1/2	
3/4	4,008.79	3/4	4,427.69	3/4	4,807.33	3/4	5,131.15	3/4	5,371.63	3/4		3/4		3/4		3/4		3/4	
3	4,017.85	3	4,436.07	3	4,814.75	3	5,137.20	3	5,375.49	3		3		3		3		3	
1/4	4,026.86	1/4	4,444.38	1/4	4,822.07	1/4	5,143.10	1/4	5,379.08	1/4		1/4		1/4		1/4		1/4	
1/2	4,035.87	1/2	4,452.70	1/2	4,829.40	1/2	5,149.00	1/2	5,382.68	1/2		1/2		1/2		1/2		1/2	
3/4	4,044.88	3/4	4,461.01	3/4	4,836.72	3/4	5,154.90	3/4	5,386.28	3/4		3/4		3/4		3/4		3/4	
4	4,053.89	4	4,469.33	4	4,844.05	4	5,160.80	4	5,389.88	4		4		4		4		4	
1/4	4,062.85	1/4	4,477.57	1/4	4,851.27	1/4	5,166.56	1/4	5,393.20	1/4		1/4		1/4		1/4		1/4	
1/2	4,071.81	1/2	4,485.82	1/2	4,858.50	1/2	5,172.32	1/2	5,396.51	1/2		1/2		1/2		1/2		1/2	
3/4	4,080.77	3/4	4,494.06	3/4	4,865.72	3/4	5,178.07	3/4	5,399.83	3/4		3/4		3/4		3/4		3/4	
5	4,089.74	5	4,502.31	5	4,872.95	5	5,183.83	5	5,403.14	5		5		5		5		5	
1/4	4,098.65	1/4	4,510.48	1/4	4,880.07	1/4	5,189.43	1/4	5,406.15	1/4		1/4		1/4		1/4		1/4	
1/2	4,107.56	1/2	4,518.65	1/2	4,887.19	1/2	5,195.04	1/2	5,409.15	1/2		1/2		1/2		1/2		1/2	
3/4	4,116.47	3/4	4,526.82	3/4	4,894.31	3/4	5,200.64	3/4	5,412.16	3/4		3/4		3/4		3/4		3/4	
6	4,125.38	6	4,535.00	6	4,901.44	6	5,206.25	6	5,415.16	6		6		6		6		6	
1/4	4,134.24	1/4	4,543.10	1/4	4,908.46	1/4	5,211.69	1/4	5,417.81	1/4		1/4		1/4		1/4		1/4	
1/2	4,143.10	1/2	4,551.19	1/2	4,915.47	1/2	5,217.14	1/2	5,420.47	1/2		1/2		1/2		1/2		1/2	
3/4	4,151.96	3/4	4,559.29	3/4	4,922.49	3/4	5,222.58	3/4	5,423.12	3/4		3/4		3/4		3/4		3/4	
7	4,160.83	7	4,567.39	7	4,929.51	7	5,228.03	7	5,425.77	7		7		7		7		7	
1/4	4,169.63	1/4	4,575.41	1/4	4,936.42	1/4	5,233.31	1/4	5,428.02	1/4		1/4		1/4		1/4		1/4	
1/2	4,178.44	1/2	4,583.43	1/2	4,943.33	1/2	5,238.59	1/2	5,430.26	1/2		1/2		1/2		1/2		1/2	
3/4	4,187.25	3/4	4,591.46	3/4	4,950.24	3/4	5,243.87	3/4	5,432.50	3/4		3/4		3/4		3/4		3/4	
8	4,196.05	8	4,599.48	8	4,957.15	8	5,249.15	8	5,434.75	8		8		8		8		8	
1/4	4,204.80	1/4	4,607.42	1/4	4,963.94	1/4	5,254.25	1/4	5,436.48	1/4		1/4		1/4		1/4		1/4	
1/2	4,213.56	1/2	4,615.37	1/2	4,970.74	1/2	5,259.36	1/2	5,438.21	1/2		1/2		1/2		1/2		1/2	
3/4	4,222.31	3/4	4,623.31	3/4	4,977.54	3/4	5,264.47	3/4	5,439.95	3/4		3/4		3/4		3/4		3/4	
9	4,231.06	9	4,631.25	9	4,984.33	9	5,269.57	9	5,441.68	9		9		9		9		9	
1/4	4,239.75	1/4	4,639.11	1/4	4,991.02	1/4	5,274.50	1/4	5,442.63	1/4		1/4		1/4		1/4		1/4	
1/2	4,248.45	1/2	4,646.98	1/2	4,997.70	1/2	5,279.43	1/2	5,443.58	1/2		1/2		1/2		1/2		1/2	
3/4	4,257.14	3/4	4,654.84	3/4	5,004.38	3/4	5,284.35	3/4	5,444.53	3/4		3/4		3/4		3/4		3/4	
10	4,265.84	10	4,662.70	10	5,011.06	10	5,289.28	10	5,445.48	10		10		10		10		10	
1/4	4,274.47	1/4	4,670.48	1/4	5,017.62	1/4	5,294.01	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,283.11	1/2	4,678.26	1/2	5,024.18	1/2	5,298.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,291.75	3/4	4,686.04	3/4	5,030.75	3/4	5,303.49	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,300.38	11	4,693.82	11	5,037.31	11	5,308.22	11		11		11		11		11		11	
1/4	4,308.96	1/4	4,701.51	1/4	5,043.75	1/4	5,312.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,317.53	1/2	4,709.20	1/2	5,050.18	1/2	5,317.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,326.11	3/4	4,716.90	3/4	5,056.62	3/4	5,321.83	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 12/17/2010 CL - SW
CALCULATED: 12/17/2010 CL
NAME CHANGE: 04/09/2020

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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