



BARGE "KIRBY 16836"

PORT HORIZONTAL INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CMS 1603"

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	150.84	0	427.25	0	775.64	0	1,172.55	0	1,603.50	0	2,057.11	0	2,523.54	0	2,993.68	0	3,458.62
1/4	1.15	1/4	155.46	1/4	433.94	1/4	783.50	1/4	1,181.24	1/4	1,612.77	1/4	2,066.74	1/4	2,533.33	1/4	3,003.45	1/4	3,468.17
1/2	2.10	1/2	160.09	1/2	440.62	1/2	791.36	1/2	1,189.94	1/2	1,622.04	1/2	2,076.37	1/2	2,543.12	1/2	3,013.21	1/2	3,477.73
3/4	3.04	3/4	164.71	3/4	447.30	3/4	799.23	3/4	1,198.63	3/4	1,631.31	3/4	2,086.00	3/4	2,552.91	3/4	3,022.98	3/4	3,487.29
1	3.98	1	169.34	1	453.98	1	807.09	1	1,207.33	1	1,640.58	1	2,095.62	1	2,562.70	1	3,032.75	1	3,496.84
1/4	5.71	1/4	174.29	1/4	460.78	1/4	815.03	1/4	1,216.08	1/4	1,649.89	1/4	2,105.27	1/4	2,572.50	1/4	3,042.50	1/4	3,506.37
1/2	7.44	1/2	179.25	1/2	467.58	1/2	822.98	1/2	1,224.84	1/2	1,659.19	1/2	2,114.92	1/2	2,582.29	1/2	3,052.26	1/2	3,515.90
3/4	9.17	3/4	184.21	3/4	474.38	3/4	830.92	3/4	1,233.59	3/4	1,668.50	3/4	2,124.57	3/4	2,592.09	3/4	3,062.02	3/4	3,525.43
2	10.90	2	189.16	2	481.17	2	838.87	2	1,242.34	2	1,677.81	2	2,134.21	2	2,601.88	2	3,071.77	2	3,534.96
1/4	13.14	1/4	194.44	1/4	488.08	1/4	846.89	1/4	1,251.15	1/4	1,687.15	1/4	2,143.88	1/4	2,611.68	1/4	3,081.52	1/4	3,544.47
1/2	15.38	1/2	199.72	1/2	494.99	1/2	854.91	1/2	1,259.96	1/2	1,696.50	1/2	2,153.55	1/2	2,621.48	1/2	3,091.26	1/2	3,553.97
3/4	17.62	3/4	205.00	3/4	501.90	3/4	862.93	3/4	1,268.77	3/4	1,705.84	3/4	2,163.22	3/4	2,631.28	3/4	3,101.01	3/4	3,563.47
3	19.86	3	210.28	3	508.81	3	870.96	3	1,277.57	3	1,715.18	3	2,172.88	3	2,641.08	3	3,110.75	3	3,572.97
1/4	22.51	1/4	215.72	1/4	515.83	1/4	879.06	1/4	1,286.44	1/4	1,724.56	1/4	2,182.57	1/4	2,650.88	1/4	3,120.48	1/4	3,582.45
1/2	25.16	1/2	221.17	1/2	522.85	1/2	887.15	1/2	1,295.30	1/2	1,733.94	1/2	2,192.26	1/2	2,660.68	1/2	3,130.21	1/2	3,591.92
3/4	27.80	3/4	226.61	3/4	529.86	3/4	895.25	3/4	1,304.16	3/4	1,743.32	3/4	2,201.94	3/4	2,670.48	3/4	3,139.95	3/4	3,601.40
4	30.45	4	232.06	4	536.88	4	903.35	4	1,313.02	4	1,752.70	4	2,211.63	4	2,680.28	4	3,149.68	4	3,610.87
1/4	33.45	1/4	237.66	1/4	544.01	1/4	911.53	1/4	1,321.93	1/4	1,762.11	1/4	2,221.33	1/4	2,690.08	1/4	3,159.40	1/4	3,620.31
1/2	36.45	1/2	243.26	1/2	551.13	1/2	919.70	1/2	1,330.85	1/2	1,771.52	1/2	2,231.03	1/2	2,699.89	1/2	3,169.11	1/2	3,629.76
3/4	39.45	3/4	248.86	3/4	558.25	3/4	927.87	3/4	1,339.76	3/4	1,780.93	3/4	2,240.73	3/4	2,709.69	3/4	3,178.83	3/4	3,639.20
5	42.45	5	254.47	5	565.38	5	936.05	5	1,348.67	5	1,790.34	5	2,250.44	5	2,719.49	5	3,188.55	5	3,648.64
1/4	45.76	1/4	260.22	1/4	572.60	1/4	944.29	1/4	1,357.64	1/4	1,799.79	1/4	2,260.15	1/4	2,729.30	1/4	3,198.25	1/4	3,658.05
1/2	49.08	1/2	265.98	1/2	579.83	1/2	952.54	1/2	1,366.60	1/2	1,809.23	1/2	2,269.87	1/2	2,739.10	1/2	3,207.95	1/2	3,667.47
3/4	52.39	3/4	271.73	3/4	587.05	3/4	960.78	3/4	1,375.56	3/4	1,818.67	3/4	2,279.59	3/4	2,748.90	3/4	3,217.66	3/4	3,676.88
6	55.70	6	277.49	6	594.28	6	969.03	6	1,384.53	6	1,828.12	6	2,289.31	6	2,758.70	6	3,227.36	6	3,686.29
1/4	59.29	1/4	283.39	1/4	601.60	1/4	977.35	1/4	1,393.54	1/4	1,837.59	1/4	2,299.04	1/4	2,768.50	1/4	3,237.04	1/4	3,695.67
1/2	62.89	1/2	289.30	1/2	608.93	1/2	985.66	1/2	1,402.55	1/2	1,847.06	1/2	2,308.77	1/2	2,778.31	1/2	3,246.73	1/2	3,705.05
3/4	66.48	3/4	295.20	3/4	616.25	3/4	993.98	3/4	1,411.56	3/4	1,856.54	3/4	2,318.50	3/4	2,788.11	3/4	3,256.42	3/4	3,714.42
7	70.07	7	301.10	7	623.58	7	1,002.29	7	1,420.58	7	1,866.01	7	2,328.23	7	2,797.91	7	3,266.10	7	3,723.80
1/4	73.78	1/4	307.14	1/4	631.00	1/4	1,010.68	1/4	1,429.63	1/4	1,875.51	1/4	2,337.98	1/4	2,807.71	1/4	3,275.77	1/4	3,733.15
1/2	77.48	1/2	313.19	1/2	638.42	1/2	1,019.06	1/2	1,438.69	1/2	1,885.02	1/2	2,347.72	1/2	2,817.51	1/2	3,285.44	1/2	3,742.49
3/4	81.18	3/4	319.23	3/4	645.84	3/4	1,027.45	3/4	1,447.75	3/4	1,894.52	3/4	2,357.47	3/4	2,827.30	3/4	3,295.10	3/4	3,751.83
8	84.89	8	325.28	8	653.26	8	1,035.83	8	1,456.81	8	1,904.02	8	2,367.21	8	2,837.10	8	3,304.77	8	3,761.18
1/4	88.68	1/4	331.46	1/4	660.78	1/4	1,044.28	1/4	1,465.92	1/4	1,913.55	1/4	2,376.97	1/4	2,846.90	1/4	3,314.42	1/4	3,770.48
1/2	92.48	1/2	337.64	1/2	668.29	1/2	1,052.73	1/2	1,475.02	1/2	1,923.08	1/2	2,386.73	1/2	2,856.69	1/2	3,324.07	1/2	3,779.79
3/4	96.27	3/4	343.82	3/4	675.81	3/4	1,061.18	3/4	1,484.12	3/4	1,932.61	3/4	2,396.48	3/4	2,866.49	3/4	3,333.71	3/4	3,789.10
9	100.06	9	350.00	9	683.32	9	1,069.63	9	1,493.23	9	1,942.14	9	2,406.24	9	2,876.28	9	3,343.36	9	3,798.41
1/4	104.09	1/4	356.31	1/4	690.93	1/4	1,078.15	1/4	1,502.38	1/4	1,951.70	1/4	2,416.01	1/4	2,886.07	1/4	3,352.99	1/4	3,807.67
1/2	108.11	1/2	362.62	1/2	698.53	1/2	1,086.66	1/2	1,511.52	1/2	1,961.26	1/2	2,425.77	1/2	2,895.86	1/2	3,362.62	1/2	3,816.94
3/4	112.13	3/4	368.93	3/4	706.14	3/4	1,095.17	3/4	1,520.67	3/4	1,970.81	3/4	2,435.54	3/4	2,905.65	3/4	3,372.24	3/4	3,826.21
10	116.16	10	375.25	10	713.74	10	1,103.69	10	1,529.82	10	1,980.37	10	2,445.31	10	2,915.44	10	3,381.87	10	3,835.48
1/4	120.39	1/4	381.69	1/4	721.44	1/4	1,112.27	1/4	1,539.01	1/4	1,989.95	1/4	2,455.08	1/4	2,925.23	1/4	3,391.48	1/4	3,844.71
1/2	124.63	1/2	388.12	1/2	729.13	1/2	1,120.84	1/2	1,548.20	1/2	1,999.53	1/2	2,464.86	1/2	2,935.01	1/2	3,401.08	1/2	3,853.95
3/4	128.86	3/4	394.56	3/4	736.82	3/4	1,129.42	3/4	1,557.39	3/4	2,009.11	3/4	2,474.63	3/4	2,944.79	3/4	3,410.69	3/4	3,863.18
11	133.10	11	401.00	11	744.52	11	1,138.00	11	1,566.58	11	2,018.69	11	2,484.41	11	2,954.58	11	3,420.29	11	3,872.41
1/4	137.53	1/4	407.57	1/4	752.30	1/4	1,146.63	1/4	1,575.81	1/4	2,028.30	1/4	2,494.19	1/4	2,964.35	1/4	3,429.87	1/4	3,881.60
1/2	141.97	1/2	414.13	1/2	760.08	1/2	1,155.27	1/2	1,585.04	1/2	2,037.90	1/2	2,503.98	1/2	2,974.13	1/2	3,439.45	1/2	3,890.79
3/4	146.40	3/4	420.69	3/4	767.86	3/4	1,163.91	3/4	1,594.27	3/4	2,047.51	3/4	2,513.76	3/4	2,983.90	3/4	3,449.03	3/4	3,899.98

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 16836"

PORT HORIZONTAL INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CMS 1603"

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	3,909.17	0	4,335.30	0	4,725.24	0	5,063.73	0	5,327.03	0		0		0		0		0	
1/4	3,918.31	1/4	4,343.81	1/4	4,732.85	1/4	5,070.04	1/4	5,331.35	1/4		1/4		1/4		1/4		1/4	
1/2	3,927.46	1/2	4,352.32	1/2	4,740.45	1/2	5,076.35	1/2	5,335.67	1/2		1/2		1/2		1/2		1/2	
3/4	3,936.61	3/4	4,360.84	3/4	4,748.06	3/4	5,082.66	3/4	5,340.00	3/4		3/4		3/4		3/4		3/4	
1	3,945.76	1	4,369.35	1	4,755.66	1	5,088.98	1	5,344.32	1		1		1		1		1	
1/4	3,954.86	1/4	4,377.80	1/4	4,763.18	1/4	5,095.16	1/4	5,348.42	1/4		1/4		1/4		1/4		1/4	
1/2	3,963.97	1/2	4,386.25	1/2	4,770.69	1/2	5,101.33	1/2	5,352.52	1/2		1/2		1/2		1/2		1/2	
3/4	3,973.07	3/4	4,394.70	3/4	4,778.21	3/4	5,107.51	3/4	5,356.61	3/4		3/4		3/4		3/4		3/4	
2	3,982.17	2	4,403.15	2	4,785.72	2	5,113.69	2	5,360.71	2		2		2		2		2	
1/4	3,991.23	1/4	4,411.54	1/4	4,793.14	1/4	5,119.74	1/4	5,364.57	1/4		1/4		1/4		1/4		1/4	
1/2	4,000.29	1/2	4,419.92	1/2	4,800.57	1/2	5,125.78	1/2	5,368.43	1/2		1/2		1/2		1/2		1/2	
3/4	4,009.35	3/4	4,428.31	3/4	4,807.99	3/4	5,131.82	3/4	5,372.28	3/4		3/4		3/4		3/4		3/4	
3	4,018.41	3	4,436.69	3	4,815.41	3	5,137.87	3	5,376.14	3		3		3		3		3	
1/4	4,027.42	1/4	4,445.01	1/4	4,822.73	1/4	5,143.77	1/4	5,379.74	1/4		1/4		1/4		1/4		1/4	
1/2	4,036.43	1/2	4,453.32	1/2	4,830.06	1/2	5,149.67	1/2	5,383.34	1/2		1/2		1/2		1/2		1/2	
3/4	4,045.45	3/4	4,461.64	3/4	4,837.38	3/4	5,155.57	3/4	5,386.93	3/4		3/4		3/4		3/4		3/4	
4	4,054.46	4	4,469.95	4	4,844.71	4	5,161.47	4	5,390.53	4		4		4		4		4	
1/4	4,063.42	1/4	4,478.20	1/4	4,851.93	1/4	5,167.23	1/4	5,393.85	1/4		1/4		1/4		1/4		1/4	
1/2	4,072.38	1/2	4,486.45	1/2	4,859.16	1/2	5,172.98	1/2	5,397.16	1/2		1/2		1/2		1/2		1/2	
3/4	4,081.35	3/4	4,494.69	3/4	4,866.38	3/4	5,178.74	3/4	5,400.48	3/4		3/4		3/4		3/4		3/4	
5	4,090.31	5	4,502.94	5	4,873.61	5	5,184.50	5	5,403.79	5		5		5		5		5	
1/4	4,099.22	1/4	4,511.11	1/4	4,880.73	1/4	5,190.10	1/4	5,406.80	1/4		1/4		1/4		1/4		1/4	
1/2	4,108.14	1/2	4,519.28	1/2	4,887.86	1/2	5,195.71	1/2	5,409.80	1/2		1/2		1/2		1/2		1/2	
3/4	4,117.05	3/4	4,527.46	3/4	4,894.98	3/4	5,201.31	3/4	5,412.81	3/4		3/4		3/4		3/4		3/4	
6	4,125.96	6	4,535.63	6	4,902.10	6	5,206.91	6	5,415.81	6		6		6		6		6	
1/4	4,134.83	1/4	4,543.73	1/4	4,909.12	1/4	5,212.36	1/4	5,418.46	1/4		1/4		1/4		1/4		1/4	
1/2	4,143.69	1/2	4,551.83	1/2	4,916.14	1/2	5,217.80	1/2	5,421.11	1/2		1/2		1/2		1/2		1/2	
3/4	4,152.55	3/4	4,559.93	3/4	4,923.16	3/4	5,223.25	3/4	5,423.77	3/4		3/4		3/4		3/4		3/4	
7	4,161.41	7	4,568.03	7	4,930.17	7	5,228.69	7	5,426.42	7		7		7		7		7	
1/4	4,170.22	1/4	4,576.05	1/4	4,937.08	1/4	5,233.97	1/4	5,428.66	1/4		1/4		1/4		1/4		1/4	
1/2	4,179.03	1/2	4,584.07	1/2	4,943.99	1/2	5,239.25	1/2	5,430.90	1/2		1/2		1/2		1/2		1/2	
3/4	4,187.84	3/4	4,592.10	3/4	4,950.90	3/4	5,244.53	3/4	5,433.15	3/4		3/4		3/4		3/4		3/4	
8	4,196.64	8	4,600.12	8	4,957.81	8	5,249.81	8	5,435.39	8		8		8		8		8	
1/4	4,205.40	1/4	4,608.06	1/4	4,964.61	1/4	5,254.92	1/4	5,437.12	1/4		1/4		1/4		1/4		1/4	
1/2	4,214.15	1/2	4,616.01	1/2	4,971.41	1/2	5,260.03	1/2	5,438.86	1/2		1/2		1/2		1/2		1/2	
3/4	4,222.90	3/4	4,623.95	3/4	4,978.20	3/4	5,265.13	3/4	5,440.59	3/4		3/4		3/4		3/4		3/4	
9	4,231.65	9	4,631.90	9	4,985.00	9	5,270.24	9	5,442.33	9		9		9		9		9	
1/4	4,240.35	1/4	4,639.76	1/4	4,991.68	1/4	5,275.17	1/4	5,443.27	1/4		1/4		1/4		1/4		1/4	
1/2	4,249.05	1/2	4,647.62	1/2	4,998.37	1/2	5,280.09	1/2	5,444.22	1/2		1/2		1/2		1/2		1/2	
3/4	4,257.74	3/4	4,655.48	3/4	5,005.05	3/4	5,285.02	3/4	5,445.17	3/4		3/4		3/4		3/4		3/4	
10	4,266.44	10	4,663.35	10	5,011.73	10	5,289.94	10	5,446.12	10		10		10		10		10	
1/4	4,275.08	1/4	4,671.13	1/4	5,018.29	1/4	5,294.68	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,283.71	1/2	4,678.91	1/2	5,024.85	1/2	5,299.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,292.35	3/4	4,686.69	3/4	5,031.42	3/4	5,304.15	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,300.99	11	4,694.47	11	5,037.98	11	5,308.88	11		11		11		11		11		11	
1/4	4,309.57	1/4	4,702.16	1/4	5,044.42	1/4	5,313.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,318.14	1/2	4,709.85	1/2	5,050.85	1/2	5,317.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,326.72	3/4	4,717.55	3/4	5,057.29	3/4	5,322.49	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/03/2010 CL - SW
CALCULATED: 11/03/2010 CL
NAME CHANGE: 01/08/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2020

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



BARGE "KIRBY 16836"

CENTER HORIZONTAL INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CMS 1603"

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	150.87	0	427.36	0	775.82	0	1,172.82	0	1,603.88	0	2,057.60	0	2,524.14	0	2,994.38	0	3,459.43
1/4	1.15	1/4	155.50	1/4	434.04	1/4	783.69	1/4	1,181.52	1/4	1,613.15	1/4	2,067.23	1/4	2,533.93	1/4	3,004.15	1/4	3,468.99
1/2	2.10	1/2	160.13	1/2	440.73	1/2	791.55	1/2	1,190.22	1/2	1,622.42	1/2	2,076.86	1/2	2,543.72	1/2	3,013.92	1/2	3,478.55
3/4	3.04	3/4	164.75	3/4	447.41	3/4	799.42	3/4	1,198.92	3/4	1,631.70	3/4	2,086.49	3/4	2,553.51	3/4	3,023.69	3/4	3,488.11
1	3.99	1	169.38	1	454.09	1	807.28	1	1,207.62	1	1,640.97	1	2,096.12	1	2,563.31	1	3,033.46	1	3,497.67
1/4	5.72	1/4	174.34	1/4	460.89	1/4	815.23	1/4	1,216.37	1/4	1,650.28	1/4	2,105.77	1/4	2,573.10	1/4	3,043.22	1/4	3,507.20
1/2	7.45	1/2	179.30	1/2	467.69	1/2	823.17	1/2	1,225.13	1/2	1,659.59	1/2	2,115.42	1/2	2,582.90	1/2	3,052.98	1/2	3,516.73
3/4	9.18	3/4	184.25	3/4	474.49	3/4	831.12	3/4	1,233.88	3/4	1,668.90	3/4	2,125.07	3/4	2,592.70	3/4	3,062.74	3/4	3,526.26
2	10.91	2	189.21	2	481.29	2	839.07	2	1,242.64	2	1,678.21	2	2,134.72	2	2,602.50	2	3,072.50	2	3,535.80
1/4	13.15	1/4	194.49	1/4	488.20	1/4	847.09	1/4	1,251.45	1/4	1,687.55	1/4	2,144.39	1/4	2,612.30	1/4	3,082.24	1/4	3,545.30
1/2	15.39	1/2	199.77	1/2	495.11	1/2	855.12	1/2	1,260.26	1/2	1,696.90	1/2	2,154.06	1/2	2,622.10	1/2	3,091.99	1/2	3,554.81
3/4	17.62	3/4	205.05	3/4	502.02	3/4	863.14	3/4	1,269.07	3/4	1,706.24	3/4	2,163.73	3/4	2,631.90	3/4	3,101.74	3/4	3,564.31
3	19.86	3	210.33	3	508.93	3	871.16	3	1,277.88	3	1,715.59	3	2,173.40	3	2,641.70	3	3,111.48	3	3,573.82
1/4	22.51	1/4	215.78	1/4	515.95	1/4	879.27	1/4	1,286.74	1/4	1,724.97	1/4	2,183.08	1/4	2,651.50	1/4	3,121.22	1/4	3,583.29
1/2	25.16	1/2	221.22	1/2	522.97	1/2	887.37	1/2	1,295.61	1/2	1,734.35	1/2	2,192.77	1/2	2,661.31	1/2	3,130.95	1/2	3,592.77
3/4	27.81	3/4	226.67	3/4	529.99	3/4	895.47	3/4	1,304.47	3/4	1,743.73	3/4	2,202.46	3/4	2,671.11	3/4	3,140.69	3/4	3,602.24
4	30.46	4	232.11	4	537.01	4	903.57	4	1,313.33	4	1,753.11	4	2,212.15	4	2,680.91	4	3,150.42	4	3,611.72
1/4	33.46	1/4	237.72	1/4	544.14	1/4	911.74	1/4	1,322.25	1/4	1,762.52	1/4	2,221.85	1/4	2,690.72	1/4	3,160.14	1/4	3,621.17
1/2	36.46	1/2	243.32	1/2	551.26	1/2	919.92	1/2	1,331.16	1/2	1,771.94	1/2	2,231.56	1/2	2,700.52	1/2	3,169.86	1/2	3,630.61
3/4	39.46	3/4	248.93	3/4	558.39	3/4	928.10	3/4	1,340.08	3/4	1,781.35	3/4	2,241.26	3/4	2,710.33	3/4	3,179.58	3/4	3,640.06
5	42.46	5	254.53	5	565.51	5	936.27	5	1,348.99	5	1,790.77	5	2,250.97	5	2,720.13	5	3,189.30	5	3,649.50
1/4	45.77	1/4	260.29	1/4	572.74	1/4	944.52	1/4	1,357.96	1/4	1,800.21	1/4	2,260.69	1/4	2,729.94	1/4	3,199.01	1/4	3,658.92
1/2	49.09	1/2	266.04	1/2	579.97	1/2	952.77	1/2	1,366.93	1/2	1,809.66	1/2	2,270.41	1/2	2,739.74	1/2	3,208.71	1/2	3,668.33
3/4	52.40	3/4	271.80	3/4	587.19	3/4	961.01	3/4	1,375.89	3/4	1,819.10	3/4	2,280.13	3/4	2,749.55	3/4	3,218.41	3/4	3,677.74
6	55.71	6	277.56	6	594.42	6	969.26	6	1,384.86	6	1,828.55	6	2,289.85	6	2,759.35	6	3,228.12	6	3,687.16
1/4	59.31	1/4	283.46	1/4	601.75	1/4	977.58	1/4	1,393.87	1/4	1,838.02	1/4	2,299.58	1/4	2,769.16	1/4	3,237.81	1/4	3,696.54
1/2	62.90	1/2	289.37	1/2	609.07	1/2	985.90	1/2	1,402.88	1/2	1,847.50	1/2	2,309.32	1/2	2,778.96	1/2	3,247.49	1/2	3,705.92
3/4	66.50	3/4	295.27	3/4	616.40	3/4	994.22	3/4	1,411.90	3/4	1,856.98	3/4	2,319.05	3/4	2,788.76	3/4	3,257.18	3/4	3,715.30
7	70.09	7	301.17	7	623.73	7	1,002.53	7	1,420.91	7	1,866.45	7	2,328.78	7	2,798.57	7	3,266.87	7	3,724.68
1/4	73.80	1/4	307.22	1/4	631.15	1/4	1,010.92	1/4	1,429.97	1/4	1,875.96	1/4	2,338.53	1/4	2,808.37	1/4	3,276.54	1/4	3,734.02
1/2	77.50	1/2	313.26	1/2	638.57	1/2	1,019.31	1/2	1,439.03	1/2	1,885.46	1/2	2,348.28	1/2	2,818.17	1/2	3,286.21	1/2	3,743.37
3/4	81.20	3/4	319.31	3/4	646.00	3/4	1,027.69	3/4	1,448.10	3/4	1,894.97	3/4	2,358.03	3/4	2,827.97	3/4	3,295.88	3/4	3,752.72
8	84.91	8	325.35	8	653.42	8	1,036.08	8	1,457.16	8	1,904.47	8	2,367.77	8	2,837.77	8	3,305.55	8	3,762.06
1/4	88.70	1/4	331.54	1/4	660.94	1/4	1,044.53	1/4	1,466.26	1/4	1,914.00	1/4	2,377.53	1/4	2,847.57	1/4	3,315.20	1/4	3,771.37
1/2	92.50	1/2	337.72	1/2	668.45	1/2	1,052.98	1/2	1,475.37	1/2	1,923.54	1/2	2,387.29	1/2	2,857.37	1/2	3,324.85	1/2	3,780.68
3/4	96.29	3/4	343.90	3/4	675.97	3/4	1,061.43	3/4	1,484.48	3/4	1,933.07	3/4	2,397.05	3/4	2,867.16	3/4	3,334.50	3/4	3,789.99
9	100.09	9	350.08	9	683.48	9	1,069.89	9	1,493.58	9	1,942.60	9	2,406.81	9	2,876.96	9	3,344.15	9	3,799.30
1/4	104.11	1/4	356.40	1/4	691.09	1/4	1,078.40	1/4	1,502.73	1/4	1,952.16	1/4	2,416.58	1/4	2,886.75	1/4	3,353.78	1/4	3,808.57
1/2	108.14	1/2	362.71	1/2	698.70	1/2	1,086.92	1/2	1,511.88	1/2	1,961.72	1/2	2,426.35	1/2	2,896.55	1/2	3,363.41	1/2	3,817.84
3/4	112.16	3/4	369.02	3/4	706.31	3/4	1,095.44	3/4	1,521.03	3/4	1,971.28	3/4	2,436.11	3/4	2,906.34	3/4	3,373.04	3/4	3,827.11
10	116.18	10	375.34	10	713.91	10	1,103.95	10	1,530.18	10	1,980.84	10	2,445.88	10	2,916.13	10	3,382.67	10	3,836.39
1/4	120.42	1/4	381.78	1/4	721.61	1/4	1,112.53	1/4	1,539.37	1/4	1,990.42	1/4	2,455.66	1/4	2,925.92	1/4	3,392.27	1/4	3,845.62
1/2	124.66	1/2	388.22	1/2	729.31	1/2	1,121.11	1/2	1,548.57	1/2	2,000.00	1/2	2,465.44	1/2	2,935.70	1/2	3,401.88	1/2	3,854.85
3/4	128.89	3/4	394.66	3/4	737.00	3/4	1,129.69	3/4	1,557.76	3/4	2,009.59	3/4	2,475.22	3/4	2,945.49	3/4	3,411.49	3/4	3,864.08
11	133.13	11	401.10	11	744.70	11	1,138.27	11	1,566.95	11	2,019.17	11	2,485.00	11	2,955.27	11	3,421.10	11	3,873.32
1/4	137.56	1/4	407.67	1/4	752.48	1/4	1,146.91	1/4	1,576.18	1/4	2,028.78	1/4	2,494.78	1/4	2,965.05	1/4	3,430.68	1/4	3,882.51
1/2	142.00	1/2	414.23	1/2	760.26	1/2	1,155.55	1/2	1,585.42	1/2	2,038.39	1/2	2,504.57	1/2	2,974.83	1/2	3,440.26	1/2	3,891.70
3/4	146.44	3/4	420.79	3/4	768.04	3/4	1,164.19	3/4	1,594.65	3/4	2,047.99	3/4	2,514.35	3/4	2,984.61	3/4	3,449.85	3/4	3,900.89

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 16836"

CENTER HORIZONTAL INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CMS 1603"

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	3,910.09	0	4,336.32	0	4,726.35	0	5,064.92	0	5,328.28	0		0		0		0		0	
1/4	3,919.24	1/4	4,344.83	1/4	4,733.96	1/4	5,071.24	1/4	5,332.60	1/4		1/4		1/4		1/4		1/4	
1/2	3,928.39	1/2	4,353.35	1/2	4,741.57	1/2	5,077.55	1/2	5,336.93	1/2		1/2		1/2		1/2		1/2	
3/4	3,937.54	3/4	4,361.86	3/4	4,749.18	3/4	5,083.86	3/4	5,341.25	3/4		3/4		3/4		3/4		3/4	
1	3,946.69	1	4,370.38	1	4,756.78	1	5,090.17	1	5,345.58	1		1		1		1		1	
1/4	3,955.79	1/4	4,378.83	1/4	4,764.30	1/4	5,096.35	1/4	5,349.68	1/4		1/4		1/4		1/4		1/4	
1/2	3,964.90	1/2	4,387.29	1/2	4,771.82	1/2	5,102.54	1/2	5,353.77	1/2		1/2		1/2		1/2		1/2	
3/4	3,974.00	3/4	4,395.74	3/4	4,779.33	3/4	5,108.72	3/4	5,357.87	3/4		3/4		3/4		3/4		3/4	
2	3,983.11	2	4,404.19	2	4,786.85	2	5,114.90	2	5,361.97	2		2		2		2		2	
1/4	3,992.17	1/4	4,412.58	1/4	4,794.27	1/4	5,120.94	1/4	5,365.83	1/4		1/4		1/4		1/4		1/4	
1/2	4,001.23	1/2	4,420.96	1/2	4,801.69	1/2	5,126.99	1/2	5,369.69	1/2		1/2		1/2		1/2		1/2	
3/4	4,010.29	3/4	4,429.35	3/4	4,809.12	3/4	5,133.03	3/4	5,373.55	3/4		3/4		3/4		3/4		3/4	
3	4,019.35	3	4,437.73	3	4,816.54	3	5,139.07	3	5,377.41	3		3		3		3		3	
1/4	4,028.37	1/4	4,446.05	1/4	4,823.87	1/4	5,144.98	1/4	5,381.01	1/4		1/4		1/4		1/4		1/4	
1/2	4,037.38	1/2	4,454.37	1/2	4,831.19	1/2	5,150.88	1/2	5,384.60	1/2		1/2		1/2		1/2		1/2	
3/4	4,046.40	3/4	4,462.69	3/4	4,838.52	3/4	5,156.78	3/4	5,388.20	3/4		3/4		3/4		3/4		3/4	
4	4,055.41	4	4,471.01	4	4,845.85	4	5,162.69	4	5,391.80	4		4		4		4		4	
1/4	4,064.38	1/4	4,479.25	1/4	4,853.07	1/4	5,168.44	1/4	5,395.12	1/4		1/4		1/4		1/4		1/4	
1/2	4,073.34	1/2	4,487.50	1/2	4,860.30	1/2	5,174.20	1/2	5,398.43	1/2		1/2		1/2		1/2		1/2	
3/4	4,082.31	3/4	4,495.75	3/4	4,867.53	3/4	5,179.96	3/4	5,401.75	3/4		3/4		3/4		3/4		3/4	
5	4,091.27	5	4,504.00	5	4,874.76	5	5,185.72	5	5,405.07	5		5		5		5		5	
1/4	4,100.19	1/4	4,512.17	1/4	4,881.88	1/4	5,191.32	1/4	5,408.07	1/4		1/4		1/4		1/4		1/4	
1/2	4,109.10	1/2	4,520.35	1/2	4,889.01	1/2	5,196.93	1/2	5,411.08	1/2		1/2		1/2		1/2		1/2	
3/4	4,118.02	3/4	4,528.52	3/4	4,896.13	3/4	5,202.53	3/4	5,414.08	3/4		3/4		3/4		3/4		3/4	
6	4,126.93	6	4,536.70	6	4,903.26	6	5,208.14	6	5,417.08	6		6		6		6		6	
1/4	4,135.80	1/4	4,544.80	1/4	4,910.28	1/4	5,213.59	1/4	5,419.74	1/4		1/4		1/4		1/4		1/4	
1/2	4,144.66	1/2	4,552.90	1/2	4,917.29	1/2	5,219.03	1/2	5,422.39	1/2		1/2		1/2		1/2		1/2	
3/4	4,153.53	3/4	4,561.00	3/4	4,924.31	3/4	5,224.48	3/4	5,425.04	3/4		3/4		3/4		3/4		3/4	
7	4,162.39	7	4,569.10	7	4,931.33	7	5,229.92	7	5,427.70	7		7		7		7		7	
1/4	4,171.20	1/4	4,577.13	1/4	4,938.25	1/4	5,235.21	1/4	5,429.94	1/4		1/4		1/4		1/4		1/4	
1/2	4,180.01	1/2	4,585.15	1/2	4,945.16	1/2	5,240.49	1/2	5,432.18	1/2		1/2		1/2		1/2		1/2	
3/4	4,188.82	3/4	4,593.18	3/4	4,952.07	3/4	5,245.77	3/4	5,434.43	3/4		3/4		3/4		3/4		3/4	
8	4,197.63	8	4,601.20	8	4,958.98	8	5,251.05	8	5,436.67	8		8		8		8		8	
1/4	4,206.39	1/4	4,609.15	1/4	4,965.78	1/4	5,256.16	1/4	5,438.40	1/4		1/4		1/4		1/4		1/4	
1/2	4,215.14	1/2	4,617.09	1/2	4,972.58	1/2	5,261.26	1/2	5,440.14	1/2		1/2		1/2		1/2		1/2	
3/4	4,223.90	3/4	4,625.04	3/4	4,979.38	3/4	5,266.37	3/4	5,441.87	3/4		3/4		3/4		3/4		3/4	
9	4,232.65	9	4,632.99	9	4,986.18	9	5,271.48	9	5,443.61	9		9		9		9		9	
1/4	4,241.35	1/4	4,640.85	1/4	4,992.86	1/4	5,276.41	1/4	5,444.56	1/4		1/4		1/4		1/4		1/4	
1/2	4,250.05	1/2	4,648.71	1/2	4,999.54	1/2	5,281.33	1/2	5,445.50	1/2		1/2		1/2		1/2		1/2	
3/4	4,258.74	3/4	4,656.58	3/4	5,006.23	3/4	5,286.26	3/4	5,446.45	3/4		3/4		3/4		3/4		3/4	
10	4,267.44	10	4,664.44	10	5,012.91	10	5,291.19	10	5,447.40	10		10		10		10		10	
1/4	4,276.08	1/4	4,672.23	1/4	5,019.47	1/4	5,295.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,284.72	1/2	4,680.01	1/2	5,026.04	1/2	5,300.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,293.36	3/4	4,687.79	3/4	5,032.60	3/4	5,305.40	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,302.00	11	4,695.57	11	5,039.16	11	5,310.13	11		11		11		11		11		11	
1/4	4,310.58	1/4	4,703.27	1/4	5,045.60	1/4	5,314.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,319.16	1/2	4,710.96	1/2	5,052.04	1/2	5,319.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,327.74	3/4	4,718.66	3/4	5,058.48	3/4	5,323.74	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/03/2010 CL - SW
CALCULATED: 11/03/2010 CL
NAME CHANGE: 01/08/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2020

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



BARGE "KIRBY 16836"

STBD HORIZONTAL INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CMS 1603"

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	427.31	0	775.73	0	1,172.69	0	1,603.69	0	2,057.36	0	2,523.84	0	2,994.03	0	3,459.02
1/4	1.15	1/4	155.48	1/4	433.99	1/4	783.59	1/4	1,181.38	1/4	1,612.96	1/4	2,066.99	1/4	2,533.63	1/4	3,003.80	1/4	3,468.58
1/2	2.10	1/2	160.11	1/2	440.67	1/2	791.46	1/2	1,190.08	1/2	1,622.23	1/2	2,076.61	1/2	2,543.42	1/2	3,013.57	1/2	3,478.14
3/4	3.04	3/4	164.73	3/4	447.35	3/4	799.32	3/4	1,198.78	3/4	1,631.50	3/4	2,086.24	3/4	2,553.21	3/4	3,023.34	3/4	3,487.70
1	3.98	1	169.36	1	454.04	1	807.19	1	1,207.47	1	1,640.77	1	2,095.87	1	2,563.00	1	3,033.10	1	3,497.25
1/4	5.71	1/4	174.32	1/4	460.84	1/4	815.13	1/4	1,216.23	1/4	1,650.08	1/4	2,105.52	1/4	2,572.80	1/4	3,042.86	1/4	3,506.79
1/2	7.44	1/2	179.27	1/2	467.63	1/2	823.08	1/2	1,224.98	1/2	1,659.39	1/2	2,115.17	1/2	2,582.60	1/2	3,052.62	1/2	3,516.32
3/4	9.17	3/4	184.23	3/4	474.43	3/4	831.02	3/4	1,233.74	3/4	1,668.70	3/4	2,124.82	3/4	2,592.39	3/4	3,062.38	3/4	3,525.85
2	10.90	2	189.19	2	481.23	2	838.97	2	1,242.49	2	1,678.01	2	2,134.47	2	2,602.19	2	3,072.13	2	3,535.38
1/4	13.14	1/4	194.47	1/4	488.14	1/4	846.99	1/4	1,251.30	1/4	1,687.35	1/4	2,144.14	1/4	2,611.99	1/4	3,081.88	1/4	3,544.88
1/2	15.38	1/2	199.75	1/2	495.05	1/2	855.01	1/2	1,260.11	1/2	1,696.70	1/2	2,153.80	1/2	2,621.79	1/2	3,091.63	1/2	3,554.39
3/4	17.62	3/4	205.02	3/4	501.96	3/4	863.04	3/4	1,268.92	3/4	1,706.04	3/4	2,163.47	3/4	2,631.59	3/4	3,101.37	3/4	3,563.89
3	19.86	3	210.30	3	508.87	3	871.06	3	1,277.73	3	1,715.39	3	2,173.14	3	2,641.39	3	3,111.12	3	3,573.40
1/4	22.51	1/4	215.75	1/4	515.89	1/4	879.16	1/4	1,286.59	1/4	1,724.77	1/4	2,182.83	1/4	2,651.19	1/4	3,120.85	1/4	3,582.87
1/2	25.16	1/2	221.19	1/2	522.91	1/2	887.26	1/2	1,295.45	1/2	1,734.15	1/2	2,192.51	1/2	2,660.99	1/2	3,130.58	1/2	3,592.34
3/4	27.81	3/4	226.64	3/4	529.93	3/4	895.36	3/4	1,304.31	3/4	1,743.52	3/4	2,202.20	3/4	2,670.80	3/4	3,140.32	3/4	3,601.82
4	30.46	4	232.08	4	536.95	4	903.46	4	1,313.18	4	1,752.90	4	2,211.89	4	2,680.60	4	3,150.05	4	3,611.29
1/4	33.46	1/4	237.69	1/4	544.07	1/4	911.64	1/4	1,322.09	1/4	1,762.32	1/4	2,221.59	1/4	2,690.40	1/4	3,159.77	1/4	3,620.74
1/2	36.46	1/2	243.29	1/2	551.20	1/2	919.81	1/2	1,331.01	1/2	1,771.73	1/2	2,231.29	1/2	2,700.21	1/2	3,169.49	1/2	3,630.18
3/4	39.46	3/4	248.90	3/4	558.32	3/4	927.98	3/4	1,339.92	3/4	1,781.14	3/4	2,241.00	3/4	2,710.01	3/4	3,179.21	3/4	3,639.63
5	42.46	5	254.50	5	565.44	5	936.16	5	1,348.83	5	1,790.55	5	2,250.70	5	2,719.81	5	3,188.93	5	3,649.07
1/4	45.77	1/4	260.26	1/4	572.67	1/4	944.41	1/4	1,357.80	1/4	1,800.00	1/4	2,260.42	1/4	2,729.62	1/4	3,198.63	1/4	3,658.49
1/2	49.08	1/2	266.01	1/2	579.90	1/2	952.65	1/2	1,366.76	1/2	1,809.44	1/2	2,270.14	1/2	2,739.42	1/2	3,208.33	1/2	3,667.90
3/4	52.39	3/4	271.77	3/4	587.12	3/4	960.90	3/4	1,375.73	3/4	1,818.89	3/4	2,279.86	3/4	2,749.22	3/4	3,218.04	3/4	3,677.31
6	55.71	6	277.52	6	594.35	6	969.15	6	1,384.69	6	1,828.33	6	2,289.58	6	2,759.03	6	3,227.74	6	3,686.72
1/4	59.30	1/4	283.43	1/4	601.68	1/4	977.46	1/4	1,393.71	1/4	1,837.81	1/4	2,299.31	1/4	2,768.83	1/4	3,237.43	1/4	3,696.10
1/2	62.89	1/2	289.33	1/2	609.00	1/2	985.78	1/2	1,402.72	1/2	1,847.28	1/2	2,309.04	1/2	2,778.63	1/2	3,247.11	1/2	3,705.48
3/4	66.49	3/4	295.23	3/4	616.33	3/4	994.10	3/4	1,411.73	3/4	1,856.76	3/4	2,318.78	3/4	2,788.44	3/4	3,256.80	3/4	3,714.86
7	70.08	7	301.14	7	623.65	7	1,002.41	7	1,420.74	7	1,866.23	7	2,328.51	7	2,798.24	7	3,266.49	7	3,724.24
1/4	73.79	1/4	307.18	1/4	631.07	1/4	1,010.80	1/4	1,429.80	1/4	1,875.74	1/4	2,338.25	1/4	2,808.04	1/4	3,276.15	1/4	3,733.58
1/2	77.49	1/2	313.23	1/2	638.50	1/2	1,019.18	1/2	1,438.86	1/2	1,885.24	1/2	2,348.00	1/2	2,817.84	1/2	3,285.82	1/2	3,742.93
3/4	81.19	3/4	319.27	3/4	645.92	3/4	1,027.57	3/4	1,447.92	3/4	1,894.74	3/4	2,357.75	3/4	2,827.64	3/4	3,295.49	3/4	3,752.27
8	84.90	8	325.32	8	653.34	8	1,035.95	8	1,456.98	8	1,904.25	8	2,367.49	8	2,837.44	8	3,305.16	8	3,761.62
1/4	88.69	1/4	331.50	1/4	660.86	1/4	1,044.41	1/4	1,466.09	1/4	1,913.78	1/4	2,377.25	1/4	2,847.23	1/4	3,314.81	1/4	3,770.93
1/2	92.49	1/2	337.68	1/2	668.37	1/2	1,052.86	1/2	1,475.19	1/2	1,923.31	1/2	2,387.01	1/2	2,857.03	1/2	3,324.46	1/2	3,780.24
3/4	96.28	3/4	343.86	3/4	675.89	3/4	1,061.31	3/4	1,484.30	3/4	1,932.84	3/4	2,396.77	3/4	2,866.83	3/4	3,334.11	3/4	3,789.54
9	100.08	9	350.04	9	683.40	9	1,069.76	9	1,493.40	9	1,942.37	9	2,406.52	9	2,876.62	9	3,343.76	9	3,798.85
1/4	104.10	1/4	356.35	1/4	691.01	1/4	1,078.27	1/4	1,502.55	1/4	1,951.93	1/4	2,416.29	1/4	2,886.41	1/4	3,353.38	1/4	3,808.12
1/2	108.12	1/2	362.67	1/2	698.62	1/2	1,086.79	1/2	1,511.70	1/2	1,961.49	1/2	2,426.06	1/2	2,896.20	1/2	3,363.01	1/2	3,817.39
3/4	112.15	3/4	368.98	3/4	706.22	3/4	1,095.31	3/4	1,520.85	3/4	1,971.05	3/4	2,435.83	3/4	2,906.00	3/4	3,372.64	3/4	3,826.66
10	116.17	10	375.29	10	713.83	10	1,103.82	10	1,530.00	10	1,980.60	10	2,445.59	10	2,915.79	10	3,382.27	10	3,835.94
1/4	120.41	1/4	381.73	1/4	721.52	1/4	1,112.40	1/4	1,539.19	1/4	1,990.19	1/4	2,455.37	1/4	2,925.57	1/4	3,391.87	1/4	3,845.17
1/2	124.64	1/2	388.17	1/2	729.22	1/2	1,120.98	1/2	1,548.38	1/2	1,999.77	1/2	2,465.15	1/2	2,935.36	1/2	3,401.48	1/2	3,854.40
3/4	128.88	3/4	394.61	3/4	736.91	3/4	1,129.55	3/4	1,557.57	3/4	2,009.35	3/4	2,474.93	3/4	2,945.14	3/4	3,411.09	3/4	3,863.63
11	133.11	11	401.05	11	744.61	11	1,138.13	11	1,566.76	11	2,018.93	11	2,484.70	11	2,954.92	11	3,420.69	11	3,872.86
1/4	137.55	1/4	407.62	1/4	752.39	1/4	1,146.77	1/4	1,576.00	1/4	2,028.54	1/4	2,494.49	1/4	2,964.70	1/4	3,430.28	1/4	3,882.05
1/2	141.98	1/2	414.18	1/2	760.17	1/2	1,155.41	1/2	1,585.23	1/2	2,038.15	1/2	2,504.27	1/2	2,974.48	1/2	3,439.86	1/2	3,891.24
3/4	146.42	3/4	420.74	3/4	767.95	3/4	1,164.05	3/4	1,594.46	3/4	2,047.75	3/4	2,514.06	3/4	2,984.25	3/4	3,449.44	3/4	3,900.44

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 16836"

STBD HORIZONTAL INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CMS 1603"

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	3,909.63	0	4,335.81	0	4,725.80	0	5,064.33	0	5,327.65	0		0		0		0		0	
1/4	3,918.78	1/4	4,344.32	1/4	4,733.40	1/4	5,070.64	1/4	5,331.98	1/4		1/4		1/4		1/4		1/4	
1/2	3,927.92	1/2	4,352.84	1/2	4,741.01	1/2	5,076.95	1/2	5,336.30	1/2		1/2		1/2		1/2		1/2	
3/4	3,937.07	3/4	4,361.35	3/4	4,748.62	3/4	5,083.26	3/4	5,340.62	3/4		3/4		3/4		3/4		3/4	
1	3,946.22	1	4,369.87	1	4,756.22	1	5,089.57	1	5,344.95	1		1		1		1		1	
1/4	3,955.33	1/4	4,378.32	1/4	4,763.74	1/4	5,095.75	1/4	5,349.05	1/4		1/4		1/4		1/4		1/4	
1/2	3,964.43	1/2	4,386.77	1/2	4,771.25	1/2	5,101.94	1/2	5,353.15	1/2		1/2		1/2		1/2		1/2	
3/4	3,973.54	3/4	4,395.22	3/4	4,778.77	3/4	5,108.12	3/4	5,357.24	3/4		3/4		3/4		3/4		3/4	
2	3,982.64	2	4,403.67	2	4,786.29	2	5,114.30	2	5,361.34	2		2		2		2		2	
1/4	3,991.70	1/4	4,412.06	1/4	4,793.71	1/4	5,120.34	1/4	5,365.20	1/4		1/4		1/4		1/4		1/4	
1/2	4,000.76	1/2	4,420.44	1/2	4,801.13	1/2	5,126.38	1/2	5,369.06	1/2		1/2		1/2		1/2		1/2	
3/4	4,009.82	3/4	4,428.83	3/4	4,808.55	3/4	5,132.43	3/4	5,372.92	3/4		3/4		3/4		3/4		3/4	
3	4,018.88	3	4,437.21	3	4,815.97	3	5,138.47	3	5,376.77	3		3		3		3		3	
1/4	4,027.90	1/4	4,445.53	1/4	4,823.30	1/4	5,144.37	1/4	5,380.37	1/4		1/4		1/4		1/4		1/4	
1/2	4,036.91	1/2	4,453.85	1/2	4,830.63	1/2	5,150.27	1/2	5,383.97	1/2		1/2		1/2		1/2		1/2	
3/4	4,045.92	3/4	4,462.16	3/4	4,837.95	3/4	5,156.18	3/4	5,387.57	3/4		3/4		3/4		3/4		3/4	
4	4,054.93	4	4,470.48	4	4,845.28	4	5,162.08	4	5,391.17	4		4		4		4		4	
1/4	4,063.90	1/4	4,478.73	1/4	4,852.50	1/4	5,167.84	1/4	5,394.48	1/4		1/4		1/4		1/4		1/4	
1/2	4,072.86	1/2	4,486.97	1/2	4,859.73	1/2	5,173.59	1/2	5,397.80	1/2		1/2		1/2		1/2		1/2	
3/4	4,081.83	3/4	4,495.22	3/4	4,866.96	3/4	5,179.35	3/4	5,401.11	3/4		3/4		3/4		3/4		3/4	
5	4,090.79	5	4,503.47	5	4,874.18	5	5,185.11	5	5,404.43	5		5		5		5		5	
1/4	4,099.71	1/4	4,511.64	1/4	4,881.31	1/4	5,190.71	1/4	5,407.43	1/4		1/4		1/4		1/4		1/4	
1/2	4,108.62	1/2	4,519.82	1/2	4,888.43	1/2	5,196.32	1/2	5,410.44	1/2		1/2		1/2		1/2		1/2	
3/4	4,117.54	3/4	4,527.99	3/4	4,895.55	3/4	5,201.92	3/4	5,413.44	3/4		3/4		3/4		3/4		3/4	
6	4,126.45	6	4,536.17	6	4,902.68	6	5,207.53	6	5,416.45	6		6		6		6		6	
1/4	4,135.31	1/4	4,544.27	1/4	4,909.70	1/4	5,212.97	1/4	5,419.10	1/4		1/4		1/4		1/4		1/4	
1/2	4,144.17	1/2	4,552.37	1/2	4,916.72	1/2	5,218.42	1/2	5,421.75	1/2		1/2		1/2		1/2		1/2	
3/4	4,153.04	3/4	4,560.47	3/4	4,923.74	3/4	5,223.86	3/4	5,424.41	3/4		3/4		3/4		3/4		3/4	
7	4,161.90	7	4,568.57	7	4,930.75	7	5,229.31	7	5,427.06	7		7		7		7		7	
1/4	4,170.71	1/4	4,576.59	1/4	4,937.66	1/4	5,234.59	1/4	5,429.30	1/4		1/4		1/4		1/4		1/4	
1/2	4,179.52	1/2	4,584.61	1/2	4,944.58	1/2	5,239.87	1/2	5,431.54	1/2		1/2		1/2		1/2		1/2	
3/4	4,188.33	3/4	4,592.64	3/4	4,951.49	3/4	5,245.15	3/4	5,433.79	3/4		3/4		3/4		3/4		3/4	
8	4,197.14	8	4,600.66	8	4,958.40	8	5,250.43	8	5,436.03	8		8		8		8		8	
1/4	4,205.89	1/4	4,608.61	1/4	4,965.19	1/4	5,255.54	1/4	5,437.76	1/4		1/4		1/4		1/4		1/4	
1/2	4,214.64	1/2	4,616.55	1/2	4,971.99	1/2	5,260.65	1/2	5,439.50	1/2		1/2		1/2		1/2		1/2	
3/4	4,223.40	3/4	4,624.50	3/4	4,978.79	3/4	5,265.75	3/4	5,441.23	3/4		3/4		3/4		3/4		3/4	
9	4,232.15	9	4,632.44	9	4,985.59	9	5,270.86	9	5,442.97	9		9		9		9		9	
1/4	4,240.85	1/4	4,640.30	1/4	4,992.27	1/4	5,275.79	1/4	5,443.91	1/4		1/4		1/4		1/4		1/4	
1/2	4,249.55	1/2	4,648.17	1/2	4,998.95	1/2	5,280.71	1/2	5,444.86	1/2		1/2		1/2		1/2		1/2	
3/4	4,258.24	3/4	4,656.03	3/4	5,005.64	3/4	5,285.64	3/4	5,445.81	3/4		3/4		3/4		3/4		3/4	
10	4,266.94	10	4,663.90	10	5,012.32	10	5,290.57	10	5,446.76	10		10		10		10		10	
1/4	4,275.58	1/4	4,671.68	1/4	5,018.88	1/4	5,295.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,284.22	1/2	4,679.46	1/2	5,025.45	1/2	5,300.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,292.86	3/4	4,687.24	3/4	5,032.01	3/4	5,304.77	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,301.49	11	4,695.02	11	5,038.57	11	5,309.51	11		11		11		11		11		11	
1/4	4,310.07	1/4	4,702.71	1/4	5,045.01	1/4	5,314.05	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,318.65	1/2	4,710.41	1/2	5,051.45	1/2	5,318.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,327.23	3/4	4,718.10	3/4	5,057.89	3/4	5,323.12	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/03/2010 CL - SW
CALCULATED: 11/03/2010 CL
NAME CHANGE: 01/08/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2020

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