



BARGE "KIRBY 18700"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2
1 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2
2 PORT	00-1/4	- 00-1/4	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2	01-3/4	- 01-3/4
2 STBD	00-1/4	- 00-1/4	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2	01-3/4	- 01-3/4
3 PORT	01-1/4	- 01-1/4	02-5/8	- 02-5/8	03-7/8	- 03-7/8	05-1/8	- 05-1/8	06-3/8	- 06-3/8	07-3/4	- 07-3/4
3 STBD	01-1/4	- 01-1/4	02-5/8	- 02-5/8	03-7/8	- 03-7/8	05-1/8	- 05-1/8	06-3/8	- 06-3/8	07-3/4	- 07-3/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 166'-03"

November 7, 2017

PRECISION MEASUREMENT
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 P.O. Box 2092
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<http://www.pmacorp.net>



BARGE "KIRBY 18700"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

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		0		0	3,352.87	0	3,142.57	0	2,903.96	0	2,652.32	0	2,396.84	0	2,141.36	0	1,885.88
1/4		1/4		1/4		1/4	3,352.87	1/4	3,137.73	1/4	2,898.85	1/4	2,646.99	1/4	2,391.51	1/4	2,136.03	1/4	1,880.55
1/2		1/2		1/2		1/2	3,351.46	1/2	3,132.89	1/2	2,893.73	1/2	2,641.67	1/2	2,386.19	1/2	2,130.71	1/2	1,875.23
3/4		3/4		3/4		3/4	3,348.65	3/4	3,128.05	3/4	2,888.62	3/4	2,636.35	3/4	2,380.87	3/4	2,125.39	3/4	1,869.91
1		1		1		1	3,345.06	1	3,123.18	1	2,883.49	1	2,631.03	1	2,375.55	1	2,120.07	1	1,864.59
1/4		1/4		1/4		1/4	3,341.47	1/4	3,118.32	1/4	2,878.35	1/4	2,625.70	1/4	2,370.22	1/4	2,114.74	1/4	1,859.26
1/2		1/2		1/2		1/2	3,337.87	1/2	3,113.46	1/2	2,873.21	1/2	2,620.38	1/2	2,364.90	1/2	2,109.42	1/2	1,853.94
3/4		3/4		3/4		3/4	3,334.28	3/4	3,108.60	3/4	2,868.08	3/4	2,615.06	3/4	2,359.58	3/4	2,104.10	3/4	1,848.62
2		2		2		2	3,329.81	2	3,103.71	2	2,862.92	2	2,609.74	2	2,354.26	2	2,098.78	2	1,843.30
1/4		1/4		1/4		1/4	3,325.33	1/4	3,098.82	1/4	2,857.76	1/4	2,604.41	1/4	2,348.93	1/4	2,093.45	1/4	1,837.97
1/2		1/2		1/2		1/2	3,320.85	1/2	3,093.94	1/2	2,852.60	1/2	2,599.09	1/2	2,343.61	1/2	2,088.13	1/2	1,832.65
3/4		3/4		3/4		3/4	3,316.37	3/4	3,089.05	3/4	2,847.44	3/4	2,593.77	3/4	2,338.29	3/4	2,082.81	3/4	1,827.33
3		3		3		3	3,311.73	3	3,084.14	3	2,842.26	3	2,588.45	3	2,332.97	3	2,077.49	3	1,822.01
1/4		1/4		1/4		1/4	3,307.10	1/4	3,079.24	1/4	2,837.07	1/4	2,583.12	1/4	2,327.64	1/4	2,072.16	1/4	1,816.68
1/2		1/2		1/2		1/2	3,302.46	1/2	3,074.33	1/2	2,831.88	1/2	2,577.80	1/2	2,322.32	1/2	2,066.84	1/2	1,811.36
3/4		3/4		3/4		3/4	3,297.82	3/4	3,069.42	3/4	2,826.69	3/4	2,572.48	3/4	2,317.00	3/4	2,061.52	3/4	1,806.04
4		4		4		4	3,293.21	4	3,064.49	4	2,821.48	4	2,567.16	4	2,311.68	4	2,056.20	4	1,800.72
1/4		1/4		1/4		1/4	3,288.61	1/4	3,059.56	1/4	2,816.26	1/4	2,561.83	1/4	2,306.35	1/4	2,050.87	1/4	1,795.39
1/2		1/2		1/2		1/2	3,284.00	1/2	3,054.62	1/2	2,811.05	1/2	2,556.51	1/2	2,301.03	1/2	2,045.55	1/2	1,790.07
3/4		3/4		3/4		3/4	3,279.39	3/4	3,049.69	3/4	2,805.84	3/4	2,551.19	3/4	2,295.71	3/4	2,040.23	3/4	1,784.75
5		5		5		5	3,274.76	5	3,044.74	5	2,800.60	5	2,545.87	5	2,290.39	5	2,034.91	5	1,779.43
1/4		1/4		1/4		1/4	3,270.14	1/4	3,039.79	1/4	2,795.36	1/4	2,540.54	1/4	2,285.06	1/4	2,029.58	1/4	1,774.10
1/2		1/2		1/2		1/2	3,265.52	1/2	3,034.83	1/2	2,790.12	1/2	2,535.22	1/2	2,279.74	1/2	2,024.26	1/2	1,768.78
3/4		3/4		3/4		3/4	3,260.89	3/4	3,029.88	3/4	2,784.89	3/4	2,529.90	3/4	2,274.42	3/4	2,018.94	3/4	1,763.46
6		6		6		6	3,256.25	6	3,024.90	6	2,779.63	6	2,524.58	6	2,269.10	6	2,013.62	6	1,758.14
1/4		1/4		1/4		1/4	3,251.60	1/4	3,019.92	1/4	2,774.37	1/4	2,519.25	1/4	2,263.77	1/4	2,008.29	1/4	1,752.81
1/2		1/2		1/2		1/2	3,246.95	1/2	3,014.95	1/2	2,769.11	1/2	2,513.93	1/2	2,258.45	1/2	2,002.97	1/2	1,747.49
3/4		3/4		3/4		3/4	3,242.31	3/4	3,009.97	3/4	2,763.85	3/4	2,508.61	3/4	2,253.13	3/4	1,997.65	3/4	1,742.17
7		7		7		7	3,237.64	7	3,004.97	7	2,758.56	7	2,503.29	7	2,247.81	7	1,992.33	7	1,736.85
1/4		1/4		1/4		1/4	3,232.97	1/4	2,999.97	1/4	2,753.28	1/4	2,497.96	1/4	2,242.48	1/4	1,987.00	1/4	1,731.52
1/2		1/2		1/2		1/2	3,228.30	1/2	2,994.97	1/2	2,748.00	1/2	2,492.64	1/2	2,237.16	1/2	1,981.68	1/2	1,726.20
3/4		3/4		3/4		3/4	3,223.63	3/4	2,989.97	3/4	2,742.72	3/4	2,487.32	3/4	2,231.84	3/4	1,976.36	3/4	1,720.88
8		8		8		8	3,218.94	8	2,984.95	8	2,737.41	8	2,482.00	8	2,226.52	8	1,971.04	8	1,715.56
1/4		1/4		1/4		1/4	3,214.24	1/4	2,979.93	1/4	2,732.10	1/4	2,476.67	1/4	2,221.19	1/4	1,965.71	1/4	1,710.23
1/2		1/2		1/2		1/2	3,209.55	1/2	2,974.91	1/2	2,726.80	1/2	2,471.35	1/2	2,215.87	1/2	1,960.39	1/2	1,704.91
3/4		3/4		3/4		3/4	3,204.86	3/4	2,969.88	3/4	2,721.49	3/4	2,466.03	3/4	2,210.55	3/4	1,955.07	3/4	1,699.59
9		9		9		9	3,200.11	9	2,964.84	9	2,716.17	9	2,460.71	9	2,205.23	9	1,949.75	9	1,694.27
1/4		1/4		1/4		1/4	3,195.36	1/4	2,959.80	1/4	2,710.86	1/4	2,455.38	1/4	2,199.90	1/4	1,944.42	1/4	1,688.94
1/2		1/2		1/2		1/2	3,190.60	1/2	2,954.75	1/2	2,705.54	1/2	2,450.06	1/2	2,194.58	1/2	1,939.10	1/2	1,683.62
3/4		3/4		3/4		3/4	3,185.85	3/4	2,949.71	3/4	2,700.22	3/4	2,444.74	3/4	2,189.26	3/4	1,933.78	3/4	1,678.30
10		10		10		10	3,181.06	10	2,944.64	10	2,694.90	10	2,439.42	10	2,183.94	10	1,928.46	10	1,672.98
1/4		1/4		1/4		1/4	3,176.27	1/4	2,939.57	1/4	2,689.57	1/4	2,434.09	1/4	2,178.61	1/4	1,923.13	1/4	1,667.65
1/2		1/2		1/2		1/2	3,171.47	1/2	2,934.50	1/2	2,684.25	1/2	2,428.77	1/2	2,173.29	1/2	1,917.81	1/2	1,662.33
3/4		3/4		3/4		3/4	3,166.68	3/4	2,929.44	3/4	2,678.93	3/4	2,423.45	3/4	2,167.97	3/4	1,912.49	3/4	1,657.01
11		11		11		11	3,161.86	11	2,924.34	11	2,673.61	11	2,418.13	11	2,162.65	11	1,907.17	11	1,651.69
1/4		1/4		1/4		1/4	3,157.04	1/4	2,919.25	1/4	2,668.28	1/4	2,412.80	1/4	2,157.32	1/4	1,901.84	1/4	1,646.36
1/2		1/2		1/2		1/2	3,152.23	1/2	2,914.16	1/2	2,662.96	1/2	2,407.48	1/2	2,152.00	1/2	1,896.52	1/2	1,641.04
3/4		3/4		3/4		3/4	3,147.41	3/4	2,909.07	3/4	2,657.64	3/4	2,402.16	3/4	2,146.68	3/4	1,891.20	3/4	1,635.72

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE OR 2" STANDPIPE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 31'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "KIRBY 18700"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

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	1,630.40	0	1,374.92	0	1,120.14	0	864.66	0	611.15	0	359.27	0	126.37	0		0		0	
1/4	1,625.07	1/4	1,369.59	1/4	1,114.82	1/4	859.34	1/4	605.90	1/4	354.18	1/4	122.14	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,619.75	1/2	1,364.27	1/2	1,109.49	1/2	854.02	1/2	600.64	1/2	349.08	1/2	117.90	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,614.43	3/4	1,358.95	3/4	1,104.17	3/4	848.69	3/4	595.38	3/4	343.99	3/4	113.67	3/4	3/4	3/4	3/4	3/4	3/4
1	1,609.11	1	1,353.63	1	1,098.85	1	843.37	1	590.13	1	338.90	1	109.56	1	1	1	1	1	1
1/4	1,603.78	1/4	1,348.30	1/4	1,093.53	1/4	838.05	1/4	584.87	1/4	333.81	1/4	105.45	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,598.46	1/2	1,342.98	1/2	1,088.21	1/2	832.73	1/2	579.62	1/2	328.72	1/2	101.33	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,593.14	3/4	1,337.66	3/4	1,082.88	3/4	827.40	3/4	574.36	3/4	323.63	3/4	97.22	3/4	3/4	3/4	3/4	3/4	3/4
2	1,587.82	2	1,332.34	2	1,077.56	2	822.08	2	569.11	2	318.57	2	93.21	2	2	2	2	2	2
1/4	1,582.49	1/4	1,327.01	1/4	1,072.24	1/4	816.76	1/4	563.85	1/4	313.51	1/4	89.20	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,577.17	1/2	1,321.69	1/2	1,066.92	1/2	811.44	1/2	558.60	1/2	308.45	1/2	85.19	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,571.85	3/4	1,316.37	3/4	1,061.59	3/4	806.11	3/4	553.34	3/4	303.40	3/4	81.19	3/4	3/4	3/4	3/4	3/4	3/4
3	1,566.53	3	1,311.05	3	1,056.27	3	800.79	3	548.07	3	298.27	3	77.28	3	3	3	3	3	3
1/4	1,561.20	1/4	1,305.72	1/4	1,050.95	1/4	795.47	1/4	542.80	1/4	293.15	1/4	73.37	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,555.88	1/2	1,300.40	1/2	1,045.63	1/2	790.15	1/2	537.53	1/2	288.02	1/2	69.47	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,550.56	3/4	1,295.08	3/4	1,040.30	3/4	784.82	3/4	532.26	3/4	282.89	3/4	65.56	3/4	3/4	3/4	3/4	3/4	3/4
4	1,545.24	4	1,289.76	4	1,034.98	4	779.53	4	526.95	4	277.80	4	61.76	4	4	4	4	4	4
1/4	1,539.91	1/4	1,284.43	1/4	1,029.66	1/4	774.23	1/4	521.64	1/4	272.70	1/4	57.96	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,534.59	1/2	1,279.11	1/2	1,024.34	1/2	768.94	1/2	516.34	1/2	267.60	1/2	54.17	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,529.27	3/4	1,273.79	3/4	1,019.01	3/4	763.64	3/4	511.03	3/4	262.50	3/4	50.37	3/4	3/4	3/4	3/4	3/4	3/4
5	1,523.95	5	1,268.49	5	1,013.69	5	758.38	5	505.71	5	257.49	5	46.66	5	5	5	5	5	5
1/4	1,518.62	1/4	1,263.18	1/4	1,008.37	1/4	753.11	1/4	500.39	1/4	252.48	1/4	42.95	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,513.30	1/2	1,257.88	1/2	1,003.05	1/2	747.84	1/2	495.07	1/2	247.47	1/2	39.24	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,507.98	3/4	1,252.58	3/4	997.72	3/4	742.57	3/4	489.75	3/4	242.47	3/4	35.52	3/4	3/4	3/4	3/4	3/4	3/4
6	1,502.66	6	1,247.28	6	992.40	6	737.31	6	484.42	6	237.55	6	32.26	6	6	6	6	6	6
1/4	1,497.33	1/4	1,241.99	1/4	987.08	1/4	732.05	1/4	479.10	1/4	232.64	1/4	29.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,492.01	1/2	1,236.69	1/2	981.76	1/2	726.79	1/2	473.78	1/2	227.73	1/2	25.74	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,486.69	3/4	1,231.40	3/4	976.43	3/4	721.52	3/4	468.46	3/4	222.82	3/4	22.47	3/4	3/4	3/4	3/4	3/4	3/4
7	1,481.37	7	1,226.11	7	971.11	7	716.27	7	463.13	7	218.01	7	20.35	7	7	7	7	7	7
1/4	1,476.04	1/4	1,220.81	1/4	965.79	1/4	711.01	1/4	457.81	1/4	213.19	1/4	18.22	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,470.72	1/2	1,215.52	1/2	960.47	1/2	705.75	1/2	452.49	1/2	208.37	1/2	16.10	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,465.40	3/4	1,210.23	3/4	955.14	3/4	700.50	3/4	447.17	3/4	203.55	3/4	13.98	3/4	3/4	3/4	3/4	3/4	3/4
8	1,460.08	8	1,204.93	8	949.82	8	695.24	8	441.85	8	198.83	8		8	8	8	8	8	8
1/4	1,454.75	1/4	1,199.64	1/4	944.50	1/4	689.98	1/4	436.52	1/4	194.12	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,449.43	1/2	1,194.35	1/2	939.18	1/2	684.73	1/2	431.20	1/2	189.40	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,444.11	3/4	1,189.05	3/4	933.85	3/4	679.47	3/4	425.88	3/4	184.68	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,438.79	9	1,183.76	9	928.53	9	674.22	9	420.70	9	180.07	9		9	9	9	9	9	9
1/4	1,433.46	1/4	1,178.47	1/4	923.21	1/4	668.96	1/4	415.53	1/4	175.45	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,428.14	1/2	1,173.17	1/2	917.89	1/2	663.71	1/2	410.35	1/2	170.83	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,422.82	3/4	1,167.88	3/4	912.56	3/4	658.45	3/4	405.18	3/4	166.21	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,417.50	10	1,162.59	10	907.24	10	653.20	10	400.07	10	161.70	10		10	10	10	10	10	10
1/4	1,412.17	1/4	1,157.29	1/4	901.92	1/4	647.94	1/4	394.97	1/4	157.18	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,406.85	1/2	1,152.00	1/2	896.60	1/2	642.68	1/2	389.86	1/2	152.66	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,401.53	3/4	1,146.71	3/4	891.27	3/4	637.43	3/4	384.76	3/4	148.14	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,396.21	11	1,141.40	11	885.95	11	632.17	11	379.66	11	143.75	11		11	11	11	11	11	11
1/4	1,390.88	1/4	1,136.08	1/4	880.63	1/4	626.92	1/4	374.56	1/4	139.37	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,385.56	1/2	1,130.77	1/2	875.31	1/2	621.66	1/2	369.46	1/2	134.98	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,380.24	3/4	1,125.46	3/4	869.98	3/4	616.41	3/4	364.36	3/4	130.60	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/01/2007 SW- CL
RECOMPUTED: 11/07/2017 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2017

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



BARGE "KIRBY 18700"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/4"

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		0		0	3,153.62	0	2,915.24	0	2,663.74	0	2,408.09	0	2,152.44	0	1,896.78		
1/4		1/4		1/4		1/4	3,148.79	1/4	2,910.15	1/4	2,658.42	1/4	2,402.76	1/4	2,147.11	1/4	1,891.46		
1/2		1/2		1/2		1/2	3,143.95	1/2	2,905.03	1/2	2,653.09	1/2	2,397.44	1/2	2,141.79	1/2	1,886.13		
3/4		3/4		3/4		3/4	3,356.82	3/4	3,139.10	3/4	2,899.91	3/4	2,647.76	3/4	2,392.11	3/4	2,136.46	3/4	1,880.81
1		1		1		1	3,354.00	1	3,134.25	1	2,894.79	1	2,642.44	1	2,386.79	1	2,131.13	1	1,875.48
1/4		1/4		1/4		1/4	3,351.19	1/4	3,129.41	1/4	2,889.67	1/4	2,637.11	1/4	2,381.46	1/4	2,125.81	1/4	1,870.15
1/2		1/2		1/2		1/2	3,347.48	1/2	3,124.54	1/2	2,884.53	1/2	2,631.79	1/2	2,376.13	1/2	2,120.48	1/2	1,864.83
3/4		3/4		3/4		3/4	3,343.78	3/4	3,119.67	3/4	2,879.38	3/4	2,626.46	3/4	2,370.81	3/4	2,115.15	3/4	1,859.50
2		2		2		2	3,340.07	2	3,114.80	2	2,874.24	2	2,621.13	2	2,365.48	2	2,109.83	2	1,854.18
1/4		1/4		1/4		1/4	3,336.37	1/4	3,109.93	1/4	2,869.10	1/4	2,615.81	1/4	2,360.16	1/4	2,104.50	1/4	1,848.85
1/2		1/2		1/2		1/2	3,331.78	1/2	3,105.03	1/2	2,863.94	1/2	2,610.48	1/2	2,354.83	1/2	2,099.18	1/2	1,843.52
3/4		3/4		3/4		3/4	3,327.18	3/4	3,100.14	3/4	2,858.77	3/4	2,605.16	3/4	2,349.50	3/4	2,093.85	3/4	1,838.20
3		3		3		3	3,322.59	3	3,095.25	3	2,853.61	3	2,599.83	3	2,344.18	3	2,088.52	3	1,832.87
1/4		1/4		1/4		1/4	3,318.00	1/4	3,090.36	1/4	2,848.44	1/4	2,594.50	1/4	2,338.85	1/4	2,083.20	1/4	1,827.55
1/2		1/2		1/2		1/2	3,313.35	1/2	3,085.44	1/2	2,843.24	1/2	2,589.18	1/2	2,333.52	1/2	2,077.87	1/2	1,822.22
3/4		3/4		3/4		3/4	3,308.70	3/4	3,080.53	3/4	2,838.05	3/4	2,583.85	3/4	2,328.20	3/4	2,072.55	3/4	1,816.89
4		4		4		4	3,304.06	4	3,075.61	4	2,832.85	4	2,578.53	4	2,322.87	4	2,067.22	4	1,811.57
1/4		1/4		1/4		1/4	3,299.41	1/4	3,070.70	1/4	2,827.66	1/4	2,573.20	1/4	2,317.55	1/4	2,061.89	1/4	1,806.24
1/2		1/2		1/2		1/2	3,294.80	1/2	3,065.76	1/2	2,822.44	1/2	2,567.87	1/2	2,312.22	1/2	2,056.57	1/2	1,800.91
3/4		3/4		3/4		3/4	3,290.20	3/4	3,060.82	3/4	2,817.22	3/4	2,562.55	3/4	2,306.89	3/4	2,051.24	3/4	1,795.59
5		5		5		5	3,285.59	5	3,055.89	5	2,811.99	5	2,557.22	5	2,301.57	5	2,045.92	5	1,790.26
1/4		1/4		1/4		1/4	3,280.98	1/4	3,050.95	1/4	2,806.77	1/4	2,551.89	1/4	2,296.24	1/4	2,040.59	1/4	1,784.94
1/2		1/2		1/2		1/2	3,276.35	1/2	3,045.99	1/2	2,801.53	1/2	2,546.57	1/2	2,290.92	1/2	2,035.26	1/2	1,779.61
3/4		3/4		3/4		3/4	3,271.72	3/4	3,041.03	3/4	2,796.29	3/4	2,541.24	3/4	2,285.59	3/4	2,029.94	3/4	1,774.28
6		6		6		6	3,267.09	6	3,036.07	6	2,791.04	6	2,535.92	6	2,280.26	6	2,024.61	6	1,768.96
1/4		1/4		1/4		1/4	3,262.46	1/4	3,031.11	1/4	2,785.80	1/4	2,530.59	1/4	2,274.94	1/4	2,019.28	1/4	1,763.63
1/2		1/2		1/2		1/2	3,257.81	1/2	3,026.12	1/2	2,780.53	1/2	2,525.26	1/2	2,269.61	1/2	2,013.96	1/2	1,758.31
3/4		3/4		3/4		3/4	3,253.15	3/4	3,021.14	3/4	2,775.27	3/4	2,519.94	3/4	2,264.29	3/4	2,008.63	3/4	1,752.98
7		7		7		7	3,248.50	7	3,016.16	7	2,770.00	7	2,514.61	7	2,258.96	7	2,003.31	7	1,747.65
1/4		1/4		1/4		1/4	3,243.85	1/4	3,011.17	1/4	2,764.73	1/4	2,509.29	1/4	2,253.63	1/4	1,997.98	1/4	1,742.33
1/2		1/2		1/2		1/2	3,239.17	1/2	3,006.17	1/2	2,759.44	1/2	2,503.96	1/2	2,248.31	1/2	1,992.65	1/2	1,737.00
3/4		3/4		3/4		3/4	3,234.50	3/4	3,001.16	3/4	2,754.15	3/4	2,498.63	3/4	2,242.98	3/4	1,987.33	3/4	1,731.68
8		8		8		8	3,229.82	8	2,996.16	8	2,748.87	8	2,493.31	8	2,237.65	8	1,982.00	8	1,726.35
1/4		1/4		1/4		1/4	3,225.14	1/4	2,991.15	1/4	2,743.58	1/4	2,487.98	1/4	2,232.33	1/4	1,976.68	1/4	1,721.02
1/2		1/2		1/2		1/2	3,220.45	1/2	2,986.12	1/2	2,738.26	1/2	2,482.66	1/2	2,227.00	1/2	1,971.35	1/2	1,715.70
3/4		3/4		3/4		3/4	3,215.75	3/4	2,981.09	3/4	2,732.95	3/4	2,477.33	3/4	2,221.68	3/4	1,966.02	3/4	1,710.37
9		9		9		9	3,211.05	9	2,976.06	9	2,727.64	9	2,472.00	9	2,216.35	9	1,960.70	9	1,705.04
1/4		1/4		1/4		1/4	3,206.35	1/4	2,971.04	1/4	2,722.33	1/4	2,466.68	1/4	2,211.02	1/4	1,955.37	1/4	1,699.72
1/2		1/2		1/2		1/2	3,201.59	1/2	2,965.98	1/2	2,717.00	1/2	2,461.35	1/2	2,205.70	1/2	1,950.05	1/2	1,694.39
3/4		3/4		3/4		3/4	3,196.82	3/4	2,960.93	3/4	2,711.68	3/4	2,456.02	3/4	2,200.37	3/4	1,944.72	3/4	1,689.07
10		10		10		10	3,192.06	10	2,955.88	10	2,706.35	10	2,450.70	10	2,195.05	10	1,939.39	10	1,683.74
1/4		1/4		1/4		1/4	3,187.29	1/4	2,950.83	1/4	2,701.03	1/4	2,445.37	1/4	2,189.72	1/4	1,934.07	1/4	1,678.41
1/2		1/2		1/2		1/2	3,182.49	1/2	2,945.76	1/2	2,695.70	1/2	2,440.05	1/2	2,184.39	1/2	1,928.74	1/2	1,673.09
3/4		3/4		3/4		3/4	3,177.69	3/4	2,940.68	3/4	2,690.37	3/4	2,434.72	3/4	2,179.07	3/4	1,923.41	3/4	1,667.76
11		11		11		11	3,172.89	11	2,935.61	11	2,685.05	11	2,429.39	11	2,173.74	11	1,918.09	11	1,662.44
1/4		1/4		1/4		1/4	3,168.09	1/4	2,930.53	1/4	2,679.72	1/4	2,424.07	1/4	2,168.42	1/4	1,912.76	1/4	1,657.11
1/2		1/2		1/2		1/2	3,163.26	1/2	2,925.44	1/2	2,674.40	1/2	2,418.74	1/2	2,163.09	1/2	1,907.44	1/2	1,651.78
3/4		3/4		3/4		3/4	3,158.44	3/4	2,920.34	3/4	2,669.07	3/4	2,413.42	3/4	2,157.76	3/4	1,902.11	3/4	1,646.46

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE OR 2" STANDPIPE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 31'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 18700"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/4"

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	1,641.13	0	1,385.48	0	1,130.52	0	874.87	0	620.28	0	367.21	0	132.91	0		0		0	
1/4	1,635.81	1/4	1,380.15	1/4	1,125.20	1/4	869.55	1/4	614.98	1/4	362.11	1/4	128.54	1/4		1/4		1/4	
1/2	1,630.48	1/2	1,374.83	1/2	1,119.88	1/2	864.22	1/2	609.68	1/2	357.02	1/2	124.32	1/2		1/2		1/2	
3/4	1,625.15	3/4	1,369.50	3/4	1,114.55	3/4	858.90	3/4	604.37	3/4	351.92	3/4	120.11	3/4		3/4		3/4	
1	1,619.83	1	1,364.17	1	1,109.22	1	853.57	1	599.07	1	346.82	1	115.89	1		1		1	
1/4	1,614.50	1/4	1,358.85	1/4	1,103.90	1/4	848.24	1/4	593.77	1/4	341.73	1/4	111.68	1/4		1/4		1/4	
1/2	1,609.18	1/2	1,353.52	1/2	1,098.57	1/2	842.92	1/2	588.47	1/2	336.63	1/2	107.57	1/2		1/2		1/2	
3/4	1,603.85	3/4	1,348.20	3/4	1,093.24	3/4	837.59	3/4	583.17	3/4	331.54	3/4	103.47	3/4		3/4		3/4	
2	1,598.52	2	1,342.87	2	1,087.92	2	832.27	2	577.87	2	326.45	2	99.37	2		2		2	
1/4	1,593.20	1/4	1,337.54	1/4	1,082.59	1/4	826.94	1/4	572.56	1/4	321.35	1/4	95.27	1/4		1/4		1/4	
1/2	1,587.87	1/2	1,332.22	1/2	1,077.27	1/2	821.64	1/2	567.26	1/2	316.30	1/2	91.27	1/2		1/2		1/2	
3/4	1,582.54	3/4	1,326.89	3/4	1,071.94	3/4	816.33	3/4	561.96	3/4	311.24	3/4	87.27	3/4		3/4		3/4	
3	1,577.22	3	1,321.57	3	1,066.61	3	811.03	3	556.66	3	306.18	3	83.27	3		3		3	
1/4	1,571.89	1/4	1,316.24	1/4	1,061.29	1/4	805.72	1/4	551.36	1/4	301.12	1/4	79.27	1/4		1/4		1/4	
1/2	1,566.57	1/2	1,310.91	1/2	1,055.96	1/2	800.43	1/2	546.04	1/2	295.98	1/2	75.37	1/2		1/2		1/2	
3/4	1,561.24	3/4	1,305.59	3/4	1,050.64	3/4	795.13	3/4	540.72	3/4	290.85	3/4	71.47	3/4		3/4		3/4	
4	1,555.91	4	1,300.26	4	1,045.31	4	789.83	4	535.40	4	285.71	4	67.58	4		4		4	
1/4	1,550.59	1/4	1,294.94	1/4	1,039.98	1/4	784.54	1/4	530.08	1/4	280.57	1/4	63.68	1/4		1/4		1/4	
1/2	1,545.26	1/2	1,289.61	1/2	1,034.66	1/2	779.24	1/2	524.75	1/2	275.47	1/2	59.89	1/2		1/2		1/2	
3/4	1,539.94	3/4	1,284.28	3/4	1,029.33	3/4	773.94	3/4	519.42	3/4	270.37	3/4	56.10	3/4		3/4		3/4	
5	1,534.61	5	1,278.96	5	1,024.01	5	768.65	5	514.10	5	265.27	5	52.32	5		5		5	
1/4	1,529.28	1/4	1,273.63	1/4	1,018.68	1/4	763.35	1/4	508.77	1/4	260.18	1/4	48.53	1/4		1/4		1/4	
1/2	1,523.96	1/2	1,268.33	1/2	1,013.35	1/2	758.07	1/2	503.45	1/2	255.18	1/2	44.83	1/2		1/2		1/2	
3/4	1,518.63	3/4	1,263.02	3/4	1,008.03	3/4	752.79	3/4	498.12	3/4	250.18	3/4	41.12	3/4		3/4		3/4	
6	1,513.31	6	1,257.72	6	1,002.70	6	747.50	6	492.80	6	245.18	6	37.42	6		6		6	
1/4	1,507.98	1/4	1,252.41	1/4	997.38	1/4	742.22	1/4	487.47	1/4	240.18	1/4	33.71	1/4		1/4		1/4	
1/2	1,502.65	1/2	1,247.12	1/2	992.05	1/2	736.92	1/2	482.14	1/2	235.28	1/2	30.51	1/2		1/2		1/2	
3/4	1,497.33	3/4	1,241.82	3/4	986.72	3/4	731.62	3/4	476.82	3/4	230.38	3/4	27.30	3/4		3/4		3/4	
7	1,492.00	7	1,236.52	7	981.40	7	726.32	7	471.49	7	225.47	7	24.10	7		7		7	
1/4	1,486.67	1/4	1,231.23	1/4	976.07	1/4	721.02	1/4	466.17	1/4	220.57	1/4	20.90	1/4		1/4		1/4	
1/2	1,481.35	1/2	1,225.93	1/2	970.74	1/2	715.72	1/2	460.84	1/2	215.76	1/2	18.92	1/2		1/2		1/2	
3/4	1,476.02	3/4	1,220.63	3/4	965.42	3/4	710.42	3/4	455.52	3/4	210.95	3/4	16.95	3/4		3/4		3/4	
8	1,470.70	8	1,215.34	8	960.09	8	705.11	8	450.19	8	206.14	8	14.98	8		8		8	
1/4	1,465.37	1/4	1,210.04	1/4	954.77	1/4	699.81	1/4	444.86	1/4	201.33	1/4	13.00	1/4		1/4		1/4	
1/2	1,460.04	1/2	1,204.74	1/2	949.44	1/2	694.51	1/2	439.54	1/2	196.62	1/2		1/2		1/2		1/2	
3/4	1,454.72	3/4	1,199.45	3/4	944.11	3/4	689.21	3/4	434.21	3/4	191.91	3/4		3/4		3/4		3/4	
9	1,449.39	9	1,194.15	9	938.79	9	683.90	9	428.89	9	187.21	9		9		9		9	
1/4	1,444.07	1/4	1,188.85	1/4	933.46	1/4	678.60	1/4	423.56	1/4	182.50	1/4		1/4		1/4		1/4	
1/2	1,438.74	1/2	1,183.56	1/2	928.14	1/2	673.30	1/2	418.40	1/2	177.89	1/2		1/2		1/2		1/2	
3/4	1,433.41	3/4	1,178.26	3/4	922.81	3/4	668.00	3/4	413.24	3/4	173.28	3/4		3/4		3/4		3/4	
10	1,428.09	10	1,172.96	10	917.48	10	662.70	10	408.09	10	168.67	10		10		10		10	
1/4	1,422.76	1/4	1,167.67	1/4	912.16	1/4	657.39	1/4	402.93	1/4	164.07	1/4		1/4		1/4		1/4	
1/2	1,417.44	1/2	1,162.37	1/2	906.83	1/2	652.09	1/2	397.83	1/2	159.56	1/2		1/2		1/2		1/2	
3/4	1,412.11	3/4	1,157.07	3/4	901.51	3/4	646.79	3/4	392.72	3/4	155.04	3/4		3/4		3/4		3/4	
11	1,406.78	11	1,151.78	11	896.18	11	641.49	11	387.62	11	150.53	11		11		11		11	
1/4	1,401.46	1/4	1,146.48	1/4	890.85	1/4	636.19	1/4	382.52	1/4	146.02	1/4		1/4		1/4		1/4	
1/2	1,396.13	1/2	1,141.16	1/2	885.53	1/2	630.88	1/2	377.42	1/2	141.65	1/2		1/2		1/2		1/2	
3/4	1,390.80	3/4	1,135.84	3/4	880.20	3/4	625.58	3/4	372.32	3/4	137.28	3/4		3/4		3/4		3/4	

STRAPPED: 11/01/2007 SW- CL
RECOMPUTED: 11/07/2017 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2017

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 18700"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

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		0		0	3,372.29	0	3,154.77	0	2,917.66	0	2,667.66	0	2,414.36	0	2,161.05	0	1,907.75
1/4		1/4		1/4		1/4	3,369.50	1/4	3,149.98	1/4	2,912.59	1/4	2,662.39	1/4	2,409.08	1/4	2,155.78	1/4	1,902.47
1/2		1/2		1/2		1/2	3,365.83	1/2	3,145.16	1/2	2,907.50	1/2	2,657.11	1/2	2,403.80	1/2	2,150.50	1/2	1,897.19
3/4		3/4		3/4		3/4	3,362.16	3/4	3,140.34	3/4	2,902.40	3/4	2,651.83	3/4	2,398.53	3/4	2,145.22	3/4	1,891.92
1		1		1		1	3,358.49	1	3,135.52	1	2,897.31	1	2,646.56	1	2,393.25	1	2,139.94	1	1,886.64
1/4		1/4		1/4		1/4	3,354.82	1/4	3,130.69	1/4	2,892.22	1/4	2,641.28	1/4	2,387.97	1/4	2,134.67	1/4	1,881.36
1/2		1/2		1/2		1/2	3,350.27	1/2	3,125.85	1/2	2,887.10	1/2	2,636.00	1/2	2,382.70	1/2	2,129.39	1/2	1,876.08
3/4		3/4		3/4		3/4	3,345.72	3/4	3,121.01	3/4	2,881.98	3/4	2,630.72	3/4	2,377.42	3/4	2,124.11	3/4	1,870.81
2		2		2		2	3,341.17	2	3,116.16	2	2,876.87	2	2,625.45	2	2,372.14	2	2,118.84	2	1,865.53
1/4		1/4		1/4		1/4	3,336.62	1/4	3,111.32	1/4	2,871.75	1/4	2,620.17	1/4	2,366.86	1/4	2,113.56	1/4	1,860.25
1/2		1/2		1/2		1/2	3,332.02	1/2	3,106.46	1/2	2,866.61	1/2	2,614.89	1/2	2,361.59	1/2	2,108.28	1/2	1,854.98
3/4		3/4		3/4		3/4	3,327.42	3/4	3,101.59	3/4	2,861.46	3/4	2,609.62	3/4	2,356.31	3/4	2,103.00	3/4	1,849.70
3		3		3		3	3,322.82	3	3,096.72	3	2,856.31	3	2,604.34	3	2,351.03	3	2,097.73	3	1,844.42
1/4		1/4		1/4		1/4	3,318.22	1/4	3,091.86	1/4	2,851.17	1/4	2,599.06	1/4	2,345.76	1/4	2,092.45	1/4	1,839.14
1/2		1/2		1/2		1/2	3,313.66	1/2	3,086.97	1/2	2,845.99	1/2	2,593.78	1/2	2,340.48	1/2	2,087.17	1/2	1,833.87
3/4		3/4		3/4		3/4	3,309.10	3/4	3,082.08	3/4	2,840.82	3/4	2,588.51	3/4	2,335.20	3/4	2,081.90	3/4	1,828.59
4		4		4		4	3,304.55	4	3,077.19	4	2,835.65	4	2,583.23	4	2,329.92	4	2,076.62	4	1,823.31
1/4		1/4		1/4		1/4	3,299.99	1/4	3,072.30	1/4	2,830.48	1/4	2,577.95	1/4	2,324.65	1/4	2,071.34	1/4	1,818.04
1/2		1/2		1/2		1/2	3,295.41	1/2	3,067.39	1/2	2,825.28	1/2	2,572.68	1/2	2,319.37	1/2	2,066.06	1/2	1,812.76
3/4		3/4		3/4		3/4	3,290.82	3/4	3,062.48	3/4	2,820.09	3/4	2,567.40	3/4	2,314.09	3/4	2,060.79	3/4	1,807.48
5		5		5		5	3,286.24	5	3,057.57	5	2,814.89	5	2,562.12	5	2,308.82	5	2,055.51	5	1,802.20
1/4		1/4		1/4		1/4	3,281.66	1/4	3,052.66	1/4	2,809.70	1/4	2,556.84	1/4	2,303.54	1/4	2,050.23	1/4	1,796.93
1/2		1/2		1/2		1/2	3,277.06	1/2	3,047.72	1/2	2,804.48	1/2	2,551.57	1/2	2,298.26	1/2	2,044.96	1/2	1,791.65
3/4		3/4		3/4		3/4	3,272.45	3/4	3,042.79	3/4	2,799.26	3/4	2,546.29	3/4	2,292.98	3/4	2,039.68	3/4	1,786.37
6		6		6		6	3,267.85	6	3,037.85	6	2,794.04	6	2,541.01	6	2,287.71	6	2,034.40	6	1,781.10
1/4		1/4		1/4		1/4	3,263.25	1/4	3,032.92	1/4	2,788.83	1/4	2,535.73	1/4	2,282.43	1/4	2,029.12	1/4	1,775.82
1/2		1/2		1/2		1/2	3,258.62	1/2	3,027.96	1/2	2,783.59	1/2	2,530.46	1/2	2,277.15	1/2	2,023.85	1/2	1,770.54
3/4		3/4		3/4		3/4	3,253.99	3/4	3,023.01	3/4	2,778.35	3/4	2,525.18	3/4	2,271.87	3/4	2,018.57	3/4	1,765.26
7		7		7		7	3,249.36	7	3,018.05	7	2,773.11	7	2,519.90	7	2,266.60	7	2,013.29	7	1,759.99
1/4		1/4		1/4		1/4	3,244.74	1/4	3,013.09	1/4	2,767.87	1/4	2,514.63	1/4	2,261.32	1/4	2,008.01	1/4	1,754.71
1/2		1/2		1/2		1/2	3,240.09	1/2	3,008.11	1/2	2,762.60	1/2	2,509.35	1/2	2,256.04	1/2	2,002.74	1/2	1,749.43
3/4		3/4		3/4		3/4	3,235.44	3/4	3,003.13	3/4	2,757.34	3/4	2,504.07	3/4	2,250.77	3/4	1,997.46	3/4	1,744.15
8		8		8		8	3,230.79	8	2,998.15	8	2,752.08	8	2,498.79	8	2,245.49	8	1,992.18	8	1,738.88
1/4		1/4		1/4		1/4	3,226.14	1/4	2,993.17	1/4	2,746.81	1/4	2,493.52	1/4	2,240.21	1/4	1,986.91	1/4	1,733.60
1/2		1/2		1/2		1/2	3,221.42	1/2	2,988.17	1/2	2,741.54	1/2	2,488.24	1/2	2,234.93	1/2	1,981.63	1/2	1,728.32
3/4		3/4		3/4		3/4	3,216.71	3/4	2,983.17	3/4	2,736.26	3/4	2,482.96	3/4	2,229.66	3/4	1,976.35	3/4	1,723.05
9		9		9		9	3,211.99	9	2,978.17	9	2,730.99	9	2,477.69	9	2,224.38	9	1,971.07	9	1,717.77
1/4		1/4		1/4		1/4	3,207.28	1/4	2,973.16	1/4	2,725.71	1/4	2,472.41	1/4	2,219.10	1/4	1,965.80	1/4	1,712.49
1/2		1/2		1/2		1/2	3,202.53	1/2	2,968.14	1/2	2,720.44	1/2	2,467.13	1/2	2,213.83	1/2	1,960.52	1/2	1,707.21
3/4		3/4		3/4		3/4	3,197.77	3/4	2,963.11	3/4	2,715.16	3/4	2,461.85	3/4	2,208.55	3/4	1,955.24	3/4	1,701.94
10		10		10		10	3,193.02	10	2,958.09	10	2,709.88	10	2,456.58	10	2,203.27	10	1,949.97	10	1,696.66
1/4		1/4		1/4		1/4	3,188.27	1/4	2,953.06	1/4	2,704.61	1/4	2,451.30	1/4	2,197.99	1/4	1,944.69	1/4	1,691.38
1/2		1/2		1/2		1/2	3,183.49	1/2	2,948.02	1/2	2,699.33	1/2	2,446.02	1/2	2,192.72	1/2	1,939.41	1/2	1,686.11
3/4		3/4		3/4		3/4	3,178.72	3/4	2,942.97	3/4	2,694.05	3/4	2,440.75	3/4	2,187.44	3/4	1,934.13	3/4	1,680.83
11		11		11		11	3,173.94	11	2,937.92	11	2,688.77	11	2,435.47	11	2,182.16	11	1,928.86	11	1,675.55
1/4		1/4		1/4		1/4	3,169.17	1/4	2,932.87	1/4	2,683.50	1/4	2,430.19	1/4	2,176.89	1/4	1,923.58	1/4	1,670.27
1/2		1/2		1/2		1/2	3,164.37	1/2	2,927.80	1/2	2,678.22	1/2	2,424.91	1/2	2,171.61	1/2	1,918.30	1/2	1,665.00
3/4		3/4		3/4		3/4	3,159.57	3/4	2,922.73	3/4	2,672.94	3/4	2,419.64	3/4	2,166.33	3/4	1,913.03	3/4	1,659.72

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE OR 2" STANDPIPE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 34'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 18700"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

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	1,654.44	0	1,401.14	0	1,150.76	0	897.45	0	652.96	0	406.41	0	156.18	0		0		0	
1/4	1,649.17	1/4	1,395.86	1/4	1,145.48	1/4	892.18	1/4	647.95	1/4	401.36	1/4	151.01	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,643.89	1/2	1,390.58	1/2	1,140.20	1/2	886.90	1/2	642.93	1/2	396.32	1/2	145.85	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,638.61	3/4	1,385.31	3/4	1,134.93	3/4	881.62	3/4	637.92	3/4	391.27	3/4	140.70	3/4	3/4	3/4	3/4	3/4	3/4
1	1,633.33	1	1,380.03	1	1,129.65	1	876.34	1	632.91	1	386.23	1	135.54	1	1	1	1	1	1
1/4	1,628.06	1/4	1,374.75	1/4	1,124.37	1/4	871.07	1/4	627.89	1/4	381.18	1/4	130.39	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,622.78	1/2	1,369.47	1/2	1,119.10	1/2	865.79	1/2	622.88	1/2	376.14	1/2	125.24	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,617.50	3/4	1,364.20	3/4	1,113.82	3/4	860.51	3/4	617.86	3/4	371.09	3/4	120.09	3/4	3/4	3/4	3/4	3/4	3/4
2	1,612.22	2	1,358.92	2	1,108.54	2	855.24	2	612.85	2	366.05	2	114.94	2	2	2	2	2	2
1/4	1,606.95	1/4	1,353.64	1/4	1,103.26	1/4	849.96	1/4	607.84	1/4	361.00	1/4	109.79	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,601.67	1/2	1,348.36	1/2	1,097.99	1/2	844.68	1/2	602.80	1/2	355.79	1/2	104.65	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,596.39	3/4	1,343.09	3/4	1,092.71	3/4	839.40	3/4	597.77	3/4	350.58	3/4	99.50	3/4	3/4	3/4	3/4	3/4	3/4
3	1,591.12	3	1,337.81	3	1,087.43	3	834.13	3	592.74	3	345.36	3	94.36	3	3	3	3	3	3
1/4	1,585.84	1/4	1,332.53	1/4	1,082.16	1/4	828.85	1/4	587.71	1/4	340.15	1/4	89.21	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,580.56	1/2	1,327.26	1/2	1,076.88	1/2	823.57	1/2	582.49	1/2	334.88	1/2	84.08	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,575.28	3/4	1,321.98	3/4	1,071.60	3/4	818.29	3/4	577.27	3/4	329.61	3/4	78.95	3/4	3/4	3/4	3/4	3/4	3/4
4	1,570.01	4	1,316.70	4	1,066.32	4	813.02	4	572.06	4	324.34	4	73.82	4	4	4	4	4	4
1/4	1,564.73	1/4	1,311.42	1/4	1,061.05	1/4	807.74	1/4	566.84	1/4	319.08	1/4	68.68	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,559.45	1/2	1,306.24	1/2	1,055.77	1/2	802.47	1/2	561.56	1/2	313.81	1/2	63.54	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,554.18	3/4	1,301.05	3/4	1,050.49	3/4	797.20	3/4	556.29	3/4	308.54	3/4	58.39	3/4	3/4	3/4	3/4	3/4	3/4
5	1,548.90	5	1,295.87	5	1,045.22	5	791.93	5	551.01	5	303.27	5	53.24	5	5	5	5	5	5
1/4	1,543.62	1/4	1,290.68	1/4	1,039.94	1/4	786.66	1/4	545.73	1/4	298.00	1/4	48.09	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,538.34	1/2	1,285.53	1/2	1,034.66	1/2	781.39	1/2	540.46	1/2	292.73	1/2	43.34	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,533.07	3/4	1,280.37	3/4	1,029.38	3/4	776.12	3/4	535.18	3/4	287.46	3/4	38.59	3/4	3/4	3/4	3/4	3/4	3/4
6	1,527.79	6	1,275.22	6	1,024.11	6	770.85	6	529.90	6	282.19	6	33.84	6	6	6	6	6	6
1/4	1,522.51	1/4	1,270.06	1/4	1,018.83	1/4	765.58	1/4	524.62	1/4	276.93	1/4	29.09	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,517.24	1/2	1,264.91	1/2	1,013.55	1/2	760.31	1/2	519.35	1/2	271.65	1/2	25.47	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,511.96	3/4	1,259.75	3/4	1,008.27	3/4	755.04	3/4	514.07	3/4	266.38	3/4	21.84	3/4	3/4	3/4	3/4	3/4	3/4
7	1,506.68	7	1,254.60	7	1,003.00	7	749.77	7	508.79	7	261.10	7	18.21	7	7	7	7	7	7
1/4	1,501.40	1/4	1,249.44	1/4	997.72	1/4	744.50	1/4	503.52	1/4	255.83	1/4	14.58	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,496.13	1/2	1,244.28	1/2	992.44	1/2	739.23	1/2	498.24	1/2	250.56	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,490.85	3/4	1,239.13	3/4	987.17	3/4	733.96	3/4	492.96	3/4	245.29	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,485.57	8	1,233.97	8	981.89	8	728.69	8	487.69	8	240.01	8		8	8	8	8	8	8
1/4	1,480.29	1/4	1,228.82	1/4	976.61	1/4	723.42	1/4	482.41	1/4	234.74	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,475.02	1/2	1,223.66	1/2	971.33	1/2	718.15	1/2	477.30	1/2	229.48	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,469.74	3/4	1,218.51	3/4	966.06	3/4	712.88	3/4	472.19	3/4	224.21	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,464.46	9	1,213.35	9	960.78	9	707.61	9	467.08	9	218.94	9		9	9	9	9	9	9
1/4	1,459.19	1/4	1,208.20	1/4	955.50	1/4	702.34	1/4	461.97	1/4	213.67	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,453.91	1/2	1,203.04	1/2	950.23	1/2	697.07	1/2	456.92	1/2	208.40	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,448.63	3/4	1,197.89	3/4	944.95	3/4	691.80	3/4	451.87	3/4	203.13	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,443.35	10	1,192.73	10	939.67	10	686.53	10	446.81	10	197.86	10		10	10	10	10	10	10
1/4	1,438.08	1/4	1,187.58	1/4	934.39	1/4	681.26	1/4	441.76	1/4	192.60	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,432.80	1/2	1,182.33	1/2	929.12	1/2	676.00	1/2	436.71	1/2	187.37	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,427.52	3/4	1,177.08	3/4	923.84	3/4	670.74	3/4	431.65	3/4	182.14	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,422.25	11	1,171.84	11	918.56	11	665.47	11	426.60	11	176.91	11		11	11	11	11	11	11
1/4	1,416.97	1/4	1,166.59	1/4	913.29	1/4	660.21	1/4	421.55	1/4	171.69	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,411.69	1/2	1,161.31	1/2	908.01	1/2	655.00	1/2	416.50	1/2	166.52	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,406.41	3/4	1,156.04	3/4	902.73	3/4	649.74	3/4	411.45	3/4	161.35	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/01/2007 SW- CL
RECOMPUTED: 11/07/2017 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2017

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



BARGE "KIRBY 18700"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

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		0		0	3,382.84	0	3,167.50	0	2,930.83	0	2,681.22	0	2,428.09	0	2,174.95	0	1,921.82
1/4		1/4		1/4		1/4	3,380.05	1/4	3,162.70	1/4	2,925.76	1/4	2,675.95	1/4	2,422.81	1/4	2,169.68	1/4	1,916.55
1/2		1/2		1/2		1/2	3,377.26	1/2	3,157.91	1/2	2,920.69	1/2	2,670.67	1/2	2,417.54	1/2	2,164.41	1/2	1,911.27
3/4		3/4		3/4		3/4	3,373.60	3/4	3,153.09	3/4	2,915.60	3/4	2,665.40	3/4	2,412.27	3/4	2,159.13	3/4	1,906.00
1		1		1		1	3,369.93	1	3,148.27	1	2,910.51	1	2,660.13	1	2,406.99	1	2,153.86	1	1,900.73
1/4		1/4		1/4		1/4	3,366.26	1/4	3,143.46	1/4	2,905.43	1/4	2,654.85	1/4	2,401.72	1/4	2,148.59	1/4	1,895.45
1/2		1/2		1/2		1/2	3,362.59	1/2	3,138.64	1/2	2,900.34	1/2	2,649.58	1/2	2,396.45	1/2	2,143.31	1/2	1,890.18
3/4		3/4		3/4		3/4	3,358.05	3/4	3,133.80	3/4	2,895.22	3/4	2,644.30	3/4	2,391.17	3/4	2,138.04	3/4	1,884.91
2		2		2		2	3,353.50	2	3,128.96	2	2,890.11	2	2,639.03	2	2,385.90	2	2,132.77	2	1,879.63
1/4		1/4		1/4		1/4	3,348.95	1/4	3,124.12	1/4	2,885.00	1/4	2,633.76	1/4	2,380.62	1/4	2,127.49	1/4	1,874.36
1/2		1/2		1/2		1/2	3,344.40	1/2	3,119.28	1/2	2,879.89	1/2	2,628.48	1/2	2,375.35	1/2	2,122.22	1/2	1,869.09
3/4		3/4		3/4		3/4	3,339.81	3/4	3,114.42	3/4	2,874.74	3/4	2,623.21	3/4	2,370.08	3/4	2,116.94	3/4	1,863.81
3		3		3		3	3,335.21	3	3,109.56	3	2,869.60	3	2,617.94	3	2,364.80	3	2,111.67	3	1,858.54
1/4		1/4		1/4		1/4	3,330.62	1/4	3,104.69	1/4	2,864.46	1/4	2,612.66	1/4	2,359.53	1/4	2,106.40	1/4	1,853.26
1/2		1/2		1/2		1/2	3,326.02	1/2	3,099.83	1/2	2,859.31	1/2	2,607.39	1/2	2,354.26	1/2	2,101.12	1/2	1,847.99
3/4		3/4		3/4		3/4	3,321.47	3/4	3,094.95	3/4	2,854.14	3/4	2,602.12	3/4	2,348.98	3/4	2,095.85	3/4	1,842.72
4		4		4		4	3,316.91	4	3,090.06	4	2,848.98	4	2,596.84	4	2,343.71	4	2,090.58	4	1,837.44
1/4		1/4		1/4		1/4	3,312.36	1/4	3,085.18	1/4	2,843.81	1/4	2,591.57	1/4	2,338.44	1/4	2,085.30	1/4	1,832.17
1/2		1/2		1/2		1/2	3,307.80	1/2	3,080.29	1/2	2,838.64	1/2	2,586.30	1/2	2,333.16	1/2	2,080.03	1/2	1,826.90
3/4		3/4		3/4		3/4	3,303.22	3/4	3,075.38	3/4	2,833.45	3/4	2,581.02	3/4	2,327.89	3/4	2,074.76	3/4	1,821.62
5		5		5		5	3,298.65	5	3,070.48	5	2,828.26	5	2,575.75	5	2,322.62	5	2,069.48	5	1,816.35
1/4		1/4		1/4		1/4	3,294.07	1/4	3,065.57	1/4	2,823.07	1/4	2,570.47	1/4	2,317.34	1/4	2,064.21	1/4	1,811.08
1/2		1/2		1/2		1/2	3,289.49	1/2	3,060.66	1/2	2,817.87	1/2	2,565.20	1/2	2,312.07	1/2	2,058.94	1/2	1,805.80
3/4		3/4		3/4		3/4	3,284.89	3/4	3,055.73	3/4	2,812.66	3/4	2,559.93	3/4	2,306.79	3/4	2,053.66	3/4	1,800.53
6		6		6		6	3,280.29	6	3,050.80	6	2,807.45	6	2,554.65	6	2,301.52	6	2,048.39	6	1,795.26
1/4		1/4		1/4		1/4	3,275.69	1/4	3,045.87	1/4	2,802.23	1/4	2,549.38	1/4	2,296.25	1/4	2,043.11	1/4	1,789.98
1/2		1/2		1/2		1/2	3,271.09	1/2	3,040.94	1/2	2,797.02	1/2	2,544.11	1/2	2,290.97	1/2	2,037.84	1/2	1,784.71
3/4		3/4		3/4		3/4	3,266.47	3/4	3,035.98	3/4	2,791.78	3/4	2,538.83	3/4	2,285.70	3/4	2,032.57	3/4	1,779.43
7		7		7		7	3,261.84	7	3,031.03	7	2,786.55	7	2,533.56	7	2,280.43	7	2,027.29	7	1,774.16
1/4		1/4		1/4		1/4	3,257.22	1/4	3,026.08	1/4	2,781.31	1/4	2,528.29	1/4	2,275.15	1/4	2,022.02	1/4	1,768.89
1/2		1/2		1/2		1/2	3,252.60	1/2	3,021.12	1/2	2,776.07	1/2	2,523.01	1/2	2,269.88	1/2	2,016.75	1/2	1,763.61
3/4		3/4		3/4		3/4	3,247.95	3/4	3,016.15	3/4	2,770.81	3/4	2,517.74	3/4	2,264.61	3/4	2,011.47	3/4	1,758.34
8		8		8		8	3,243.30	8	3,011.17	8	2,765.55	8	2,512.46	8	2,259.33	8	2,006.20	8	1,753.07
1/4		1/4		1/4		1/4	3,238.66	1/4	3,006.20	1/4	2,760.29	1/4	2,507.19	1/4	2,254.06	1/4	2,000.93	1/4	1,747.79
1/2		1/2		1/2		1/2	3,234.01	1/2	3,001.22	1/2	2,755.04	1/2	2,501.92	1/2	2,248.78	1/2	1,995.65	1/2	1,742.52
3/4		3/4		3/4		3/4	3,229.30	3/4	2,996.22	3/4	2,749.77	3/4	2,496.64	3/4	2,243.51	3/4	1,990.38	3/4	1,737.25
9		9		9		9	3,224.59	9	2,991.22	9	2,744.50	9	2,491.37	9	2,238.24	9	1,985.10	9	1,731.97
1/4		1/4		1/4		1/4	3,219.88	1/4	2,986.22	1/4	2,739.23	1/4	2,486.10	1/4	2,232.96	1/4	1,979.83	1/4	1,726.70
1/2		1/2		1/2		1/2	3,215.17	1/2	2,981.22	1/2	2,733.96	1/2	2,480.82	1/2	2,227.69	1/2	1,974.56	1/2	1,721.42
3/4		3/4		3/4		3/4	3,210.42	3/4	2,976.20	3/4	2,728.68	3/4	2,475.55	3/4	2,222.42	3/4	1,969.28	3/4	1,716.15
10		10		10		10	3,205.67	10	2,971.18	10	2,723.41	10	2,470.28	10	2,217.14	10	1,964.01	10	1,710.88
1/4		1/4		1/4		1/4	3,200.92	1/4	2,966.16	1/4	2,718.14	1/4	2,465.00	1/4	2,211.87	1/4	1,958.74	1/4	1,705.60
1/2		1/2		1/2		1/2	3,196.17	1/2	2,961.14	1/2	2,712.86	1/2	2,459.73	1/2	2,206.60	1/2	1,953.46	1/2	1,700.33
3/4		3/4		3/4		3/4	3,191.40	3/4	2,956.09	3/4	2,707.59	3/4	2,454.46	3/4	2,201.32	3/4	1,948.19	3/4	1,695.06
11		11		11		11	3,186.63	11	2,951.05	11	2,702.31	11	2,449.18	11	2,196.05	11	1,942.92	11	1,689.78
1/4		1/4		1/4		1/4	3,181.86	1/4	2,946.01	1/4	2,697.04	1/4	2,443.91	1/4	2,190.78	1/4	1,937.64	1/4	1,684.51
1/2		1/2		1/2		1/2	3,177.08	1/2	2,940.96	1/2	2,691.77	1/2	2,438.63	1/2	2,185.50	1/2	1,932.37	1/2	1,679.24
3/4		3/4		3/4		3/4	3,172.29	3/4	2,935.89	3/4	2,686.49	3/4	2,433.36	3/4	2,180.23	3/4	1,927.10	3/4	1,673.96

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE OR 2" STANDPIPE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 34'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 18700"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

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	1,668.69	0	1,415.56	0	1,165.35	0	912.22	0	661.10	0	411.17	0	161.23	0		0		0	
1/4	1,663.42	1/4	1,410.28	1/4	1,160.08	1/4	906.95	1/4	655.85	1/4	406.12	1/4	156.07	1/4		1/4		1/4	
1/2	1,658.14	1/2	1,405.01	1/2	1,154.81	1/2	901.67	1/2	650.60	1/2	401.08	1/2	150.90	1/2		1/2		1/2	
3/4	1,652.87	3/4	1,399.74	3/4	1,149.53	3/4	896.40	3/4	645.35	3/4	396.04	3/4	145.75	3/4		3/4		3/4	
1	1,647.59	1	1,394.46	1	1,144.26	1	891.13	1	640.10	1	391.00	1	140.60	1		1		1	
1/4	1,642.32	1/4	1,389.19	1/4	1,138.99	1/4	885.85	1/4	634.85	1/4	385.96	1/4	135.45	1/4		1/4		1/4	
1/2	1,637.05	1/2	1,383.91	1/2	1,133.71	1/2	880.58	1/2	629.60	1/2	380.92	1/2	130.30	1/2		1/2		1/2	
3/4	1,631.77	3/4	1,378.64	3/4	1,128.44	3/4	875.37	3/4	624.35	3/4	375.87	3/4	125.15	3/4		3/4		3/4	
2	1,626.50	2	1,373.37	2	1,123.16	2	870.16	2	619.11	2	370.83	2	120.01	2		2		2	
1/4	1,621.23	1/4	1,368.09	1/4	1,117.89	1/4	864.95	1/4	613.86	1/4	365.79	1/4	114.86	1/4		1/4		1/4	
1/2	1,615.95	1/2	1,362.82	1/2	1,112.62	1/2	859.74	1/2	608.61	1/2	360.75	1/2	109.72	1/2		1/2		1/2	
3/4	1,610.68	3/4	1,357.55	3/4	1,107.34	3/4	854.55	3/4	603.34	3/4	355.54	3/4	104.58	3/4		3/4		3/4	
3	1,605.41	3	1,352.27	3	1,102.07	3	849.36	3	598.07	3	350.33	3	99.43	3		3		3	
1/4	1,600.13	1/4	1,347.00	1/4	1,096.80	1/4	844.17	1/4	592.80	1/4	345.12	1/4	94.29	1/4		1/4		1/4	
1/2	1,594.86	1/2	1,341.73	1/2	1,091.52	1/2	838.98	1/2	587.54	1/2	339.91	1/2	89.15	1/2		1/2		1/2	
3/4	1,589.58	3/4	1,336.45	3/4	1,086.25	3/4	833.79	3/4	582.26	3/4	334.65	3/4	84.02	3/4		3/4		3/4	
4	1,584.31	4	1,331.18	4	1,080.98	4	828.60	4	576.99	4	329.38	4	78.89	4		4		4	
1/4	1,579.04	1/4	1,325.90	1/4	1,075.70	1/4	823.41	1/4	571.72	1/4	324.12	1/4	73.76	1/4		1/4		1/4	
1/2	1,573.76	1/2	1,320.63	1/2	1,070.43	1/2	818.22	1/2	566.44	1/2	318.85	1/2	68.64	1/2		1/2		1/2	
3/4	1,568.49	3/4	1,315.45	3/4	1,065.16	3/4	813.05	3/4	561.17	3/4	313.59	3/4	63.49	3/4		3/4		3/4	
5	1,563.22	5	1,310.27	5	1,059.88	5	807.87	5	555.90	5	308.32	5	58.35	5		5		5	
1/4	1,557.94	1/4	1,305.09	1/4	1,054.61	1/4	802.70	1/4	550.62	1/4	303.06	1/4	53.20	1/4		1/4		1/4	
1/2	1,552.67	1/2	1,299.90	1/2	1,049.33	1/2	797.53	1/2	545.35	1/2	297.79	1/2	48.06	1/2		1/2		1/2	
3/4	1,547.40	3/4	1,294.75	3/4	1,044.06	3/4	792.29	3/4	540.08	3/4	292.53	3/4	43.31	3/4		3/4		3/4	
6	1,542.12	6	1,289.60	6	1,038.79	6	787.06	6	534.80	6	287.26	6	38.56	6		6		6	
1/4	1,536.85	1/4	1,284.45	1/4	1,033.51	1/4	781.82	1/4	529.53	1/4	282.00	1/4	33.82	1/4		1/4		1/4	
1/2	1,531.58	1/2	1,279.30	1/2	1,028.24	1/2	776.59	1/2	524.26	1/2	276.73	1/2	29.07	1/2		1/2		1/2	
3/4	1,526.30	3/4	1,274.15	3/4	1,022.97	3/4	771.34	3/4	518.98	3/4	271.46	3/4	25.45	3/4		3/4		3/4	
7	1,521.03	7	1,268.99	7	1,017.69	7	766.09	7	513.71	7	266.19	7	21.82	7		7		7	
1/4	1,515.75	1/4	1,263.84	1/4	1,012.42	1/4	760.84	1/4	508.44	1/4	260.92	1/4	18.20	1/4		1/4		1/4	
1/2	1,510.48	1/2	1,258.69	1/2	1,007.15	1/2	755.59	1/2	503.17	1/2	255.65	1/2	14.57	1/2		1/2		1/2	
3/4	1,505.21	3/4	1,253.54	3/4	1,001.87	3/4	750.34	3/4	497.89	3/4	250.38	3/4		3/4		3/4		3/4	
8	1,499.93	8	1,248.39	8	996.60	8	745.09	8	492.62	8	245.11	8		8		8		8	
1/4	1,494.66	1/4	1,243.24	1/4	991.32	1/4	739.84	1/4	487.35	1/4	239.85	1/4		1/4		1/4		1/4	
1/2	1,489.39	1/2	1,238.08	1/2	986.05	1/2	734.59	1/2	482.07	1/2	234.58	1/2		1/2		1/2		1/2	
3/4	1,484.11	3/4	1,232.93	3/4	980.78	3/4	729.34	3/4	476.97	3/4	229.32	3/4		3/4		3/4		3/4	
9	1,478.84	9	1,227.78	9	975.50	9	724.09	9	471.86	9	224.05	9		9		9		9	
1/4	1,473.57	1/4	1,222.63	1/4	970.23	1/4	718.84	1/4	466.76	1/4	218.79	1/4		1/4		1/4		1/4	
1/2	1,468.29	1/2	1,217.48	1/2	964.96	1/2	713.59	1/2	461.65	1/2	213.52	1/2		1/2		1/2		1/2	
3/4	1,463.02	3/4	1,212.33	3/4	959.68	3/4	708.34	3/4	456.60	3/4	208.26	3/4		3/4		3/4		3/4	
10	1,457.74	10	1,207.17	10	954.41	10	703.10	10	451.55	10	202.99	10		10		10		10	
1/4	1,452.47	1/4	1,202.02	1/4	949.14	1/4	697.85	1/4	446.50	1/4	197.73	1/4		1/4		1/4		1/4	
1/2	1,447.20	1/2	1,196.87	1/2	943.86	1/2	692.60	1/2	441.45	1/2	192.46	1/2		1/2		1/2		1/2	
3/4	1,441.92	3/4	1,191.63	3/4	938.59	3/4	687.35	3/4	436.40	3/4	187.24	3/4		3/4		3/4		3/4	
11	1,436.65	11	1,186.39	11	933.32	11	682.10	11	431.35	11	182.01	11		11		11		11	
1/4	1,431.38	1/4	1,181.14	1/4	928.04	1/4	676.85	1/4	426.30	1/4	176.79	1/4		1/4		1/4		1/4	
1/2	1,426.10	1/2	1,175.90	1/2	922.77	1/2	671.60	1/2	421.25	1/2	171.57	1/2		1/2		1/2		1/2	
3/4	1,420.83	3/4	1,170.63	3/4	917.49	3/4	666.35	3/4	416.21	3/4	166.40	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/01/2007 SW- CL
RECOMPUTED: 11/07/2017 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2017

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



BARGE "KIRBY 18700"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

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		0		0	2,581.49	0	2,515.41	0	2,436.49	0	2,344.51	0	2,095.88	0	1,845.45		
1/4		1/4		1/4		1/4	2,580.24	1/4	2,513.88	1/4	2,434.77	1/4	2,339.42	1/4	2,090.67	1/4	1,840.23		
1/2		1/2		1/2		1/2	2,627.30	1/2	2,578.99	1/2	2,512.36	1/2	2,433.04	1/2	2,085.45	1/2	1,835.01		
3/4		3/4		3/4		3/4	2,627.13	3/4	2,577.74	3/4	2,510.83	3/4	2,431.32	3/4	2,329.22	3/4	2,080.23	3/4	1,829.80
1		1		1		1	2,626.78	1	2,576.49	1	2,509.31	1	2,429.59	1	2,324.13	1	2,075.02	1	1,824.58
1/4		1/4		1/4		1/4	2,626.58	1/4	2,575.21	1/4	2,507.76	1/4	2,427.86	1/4	2,318.93	1/4	2,069.80	1/4	1,819.36
1/2		1/2		1/2		1/2	2,626.39	1/2	2,573.94	1/2	2,506.21	1/2	2,426.14	1/2	2,313.72	1/2	2,064.58	1/2	1,814.14
3/4		3/4		3/4		3/4	2,626.19	3/4	2,572.66	3/4	2,504.67	3/4	2,424.41	3/4	2,308.52	3/4	2,059.37	3/4	1,808.93
2		2		2		2	2,626.00	2	2,571.39	2	2,503.12	2	2,422.68	2	2,303.31	2	2,054.15	2	1,803.71
1/4		1/4		1/4		1/4	2,625.06	1/4	2,570.09	1/4	2,501.55	1/4	2,420.96	1/4	2,298.12	1/4	2,048.93	1/4	1,798.49
1/2		1/2		1/2		1/2	2,624.12	1/2	2,568.79	1/2	2,499.98	1/2	2,419.23	1/2	2,292.93	1/2	2,043.71	1/2	1,793.27
3/4		3/4		3/4		3/4	2,623.18	3/4	2,567.50	3/4	2,498.41	3/4	2,417.51	3/4	2,287.74	3/4	2,038.50	3/4	1,788.06
3		3		3		3	2,622.25	3	2,566.20	3	2,496.84	3	2,415.78	3	2,282.55	3	2,033.28	3	1,782.84
1/4		1/4		1/4		1/4	2,621.16	1/4	2,564.88	1/4	2,495.24	1/4	2,414.05	1/4	2,277.37	1/4	2,028.06	1/4	1,777.62
1/2		1/2		1/2		1/2	2,620.07	1/2	2,563.56	1/2	2,493.65	1/2	2,412.33	1/2	2,272.19	1/2	2,022.84	1/2	1,772.40
3/4		3/4		3/4		3/4	2,618.98	3/4	2,562.24	3/4	2,492.06	3/4	2,410.60	3/4	2,267.00	3/4	2,017.63	3/4	1,767.19
4		4		4		4	2,617.89	4	2,560.92	4	2,490.46	4	2,408.88	4	2,261.82	4	2,012.41	4	1,761.97
1/4		1/4		1/4		1/4	2,616.84	1/4	2,559.58	1/4	2,488.84	1/4	2,407.15	1/4	2,256.64	1/4	2,007.19	1/4	1,756.75
1/2		1/2		1/2		1/2	2,615.78	1/2	2,558.23	1/2	2,487.23	1/2	2,405.42	1/2	2,251.45	1/2	2,001.97	1/2	1,751.53
3/4		3/4		3/4		3/4	2,614.72	3/4	2,556.89	3/4	2,485.61	3/4	2,403.70	3/4	2,246.27	3/4	1,996.76	3/4	1,746.32
5		5		5		5	2,613.66	5	2,555.55	5	2,483.99	5	2,401.97	5	2,241.09	5	1,991.54	5	1,741.10
1/4		1/4		1/4		1/4	2,612.59	1/4	2,554.18	1/4	2,482.35	1/4	2,400.25	1/4	2,235.90	1/4	1,986.32	1/4	1,735.88
1/2		1/2		1/2		1/2	2,611.51	1/2	2,552.82	1/2	2,480.71	1/2	2,398.52	1/2	2,230.72	1/2	1,981.10	1/2	1,730.66
3/4		3/4		3/4		3/4	2,610.44	3/4	2,551.45	3/4	2,479.07	3/4	2,396.79	3/4	2,225.54	3/4	1,975.89	3/4	1,725.45
6		6		6		6	2,609.37	6	2,550.09	6	2,477.43	6	2,395.07	6	2,220.36	6	1,970.67	6	1,720.23
1/4		1/4		1/4		1/4	2,608.27	1/4	2,548.70	1/4	2,475.76	1/4	2,393.34	1/4	2,215.17	1/4	1,965.45	1/4	1,715.01
1/2		1/2		1/2		1/2	2,607.17	1/2	2,547.31	1/2	2,474.10	1/2	2,391.62	1/2	2,209.99	1/2	1,960.23	1/2	1,709.79
3/4		3/4		3/4		3/4	2,606.08	3/4	2,545.92	3/4	2,472.43	3/4	2,389.89	3/4	2,204.81	3/4	1,955.02	3/4	1,704.58
7		7		7		7	2,604.98	7	2,544.53	7	2,470.77	7	2,388.16	7	2,199.63	7	1,949.80	7	1,699.36
1/4		1/4		1/4		1/4	2,603.86	1/4	2,543.12	1/4	2,469.08	1/4	2,386.44	1/4	2,194.44	1/4	1,944.58	1/4	1,694.14
1/2		1/2		1/2		1/2	2,602.75	1/2	2,541.71	1/2	2,467.40	1/2	2,384.71	1/2	2,189.26	1/2	1,939.36	1/2	1,688.92
3/4		3/4		3/4		3/4	2,601.63	3/4	2,540.30	3/4	2,465.71	3/4	2,382.98	3/4	2,184.08	3/4	1,934.15	3/4	1,683.71
8		8		8		8	2,600.51	8	2,538.89	8	2,464.03	8	2,381.26	8	2,178.90	8	1,928.93	8	1,678.49
1/4		1/4		1/4		1/4	2,599.37	1/4	2,537.46	1/4	2,462.32	1/4	2,379.53	1/4	2,173.71	1/4	1,923.71	1/4	1,673.27
1/2		1/2		1/2		1/2	2,598.22	1/2	2,536.02	1/2	2,460.61	1/2	2,377.81	1/2	2,168.53	1/2	1,918.49	1/2	1,668.05
3/4		3/4		3/4		3/4	2,597.08	3/4	2,534.59	3/4	2,458.90	3/4	2,376.08	3/4	2,163.35	3/4	1,913.28	3/4	1,662.84
9		9		9		9	2,595.94	9	2,533.16	9	2,457.19	9	2,374.35	9	2,158.16	9	1,908.06	9	1,657.62
1/4		1/4		1/4		1/4	2,594.76	1/4	2,531.70	1/4	2,455.47	1/4	2,372.63	1/4	2,152.98	1/4	1,902.84	1/4	1,652.40
1/2		1/2		1/2		1/2	2,593.59	1/2	2,530.24	1/2	2,453.75	1/2	2,370.90	1/2	2,147.80	1/2	1,897.62	1/2	1,647.18
3/4		3/4		3/4		3/4	2,592.41	3/4	2,528.79	3/4	2,452.02	3/4	2,369.18	3/4	2,142.62	3/4	1,892.41	3/4	1,641.97
10		10		10		10	2,591.23	10	2,527.33	10	2,450.30	10	2,367.45	10	2,137.43	10	1,887.19	10	1,636.75
1/4		1/4		1/4		1/4	2,590.03	1/4	2,525.85	1/4	2,448.58	1/4	2,365.72	1/4	2,132.25	1/4	1,881.97	1/4	1,631.53
1/2		1/2		1/2		1/2	2,588.82	1/2	2,524.37	1/2	2,446.85	1/2	2,364.00	1/2	2,127.07	1/2	1,876.75	1/2	1,626.31
3/4		3/4		3/4		3/4	2,587.62	3/4	2,522.89	3/4	2,445.12	3/4	2,362.27	3/4	2,121.89	3/4	1,871.54	3/4	1,621.10
11		11		11		11	2,586.41	11	2,521.41	11	2,443.40	11	2,360.55	11	2,116.70	11	1,866.32	11	1,615.88
1/4		1/4		1/4		1/4	2,585.18	1/4	2,519.91	1/4	2,441.67	1/4	2,356.54	1/4	2,111.50	1/4	1,861.10	1/4	1,610.66
1/2		1/2		1/2		1/2	2,583.95	1/2	2,518.41	1/2	2,439.95	1/2	2,352.53	1/2	2,106.29	1/2	1,855.88	1/2	1,605.44
3/4		3/4		3/4		3/4	2,582.72	3/4	2,516.91	3/4	2,438.22	3/4	2,348.52	3/4	2,101.09	3/4	1,850.67	3/4	1,600.23

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE OR 2" STANDPIPE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 48'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 18700"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

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	1,595.01	0	1,344.49	0	1,096.53	0	845.98	0	600.54	0	357.54	0	110.03	0		0			
1/4	1,589.79	1/4	1,339.27	1/4	1,091.31	1/4	840.76	1/4	595.54	1/4	352.54	1/4	104.90	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,584.57	1/2	1,334.05	1/2	1,086.10	1/2	835.54	1/2	590.55	1/2	347.54	1/2	99.77	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,579.36	3/4	1,328.83	3/4	1,080.88	3/4	830.32	3/4	585.55	3/4	342.54	3/4	94.64	3/4	3/4	3/4	3/4	3/4	3/4
1	1,574.14	1	1,323.61	1	1,075.66	1	825.10	1	580.56	1	337.54	1	89.51	1	1	1	1	1	1
1/4	1,568.92	1/4	1,318.39	1/4	1,070.44	1/4	819.88	1/4	575.56	1/4	332.54	1/4	84.40	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,563.70	1/2	1,313.17	1/2	1,065.22	1/2	814.66	1/2	570.57	1/2	327.54	1/2	79.29	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,558.49	3/4	1,307.96	3/4	1,060.00	3/4	809.44	3/4	565.57	3/4	322.54	3/4	74.18	3/4	3/4	3/4	3/4	3/4	3/4
2	1,553.27	2	1,302.74	2	1,054.78	2	804.22	2	560.58	2	317.55	2	69.07	2	2	2	2	2	2
1/4	1,548.05	1/4	1,297.52	1/4	1,049.56	1/4	799.00	1/4	555.58	1/4	312.55	1/4	64.26	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,542.83	1/2	1,292.30	1/2	1,044.34	1/2	793.78	1/2	550.59	1/2	307.55	1/2	59.44	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,537.62	3/4	1,287.08	3/4	1,039.12	3/4	788.56	3/4	545.59	3/4	302.55	3/4	54.63	3/4	3/4	3/4	3/4	3/4	3/4
3	1,532.40	3	1,281.86	3	1,033.90	3	783.34	3	540.60	3	297.55	3	49.81	3	3	3	3	3	3
1/4	1,527.18	1/4	1,276.64	1/4	1,028.68	1/4	778.12	1/4	535.59	1/4	292.41	1/4	45.71	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,521.96	1/2	1,271.42	1/2	1,023.46	1/2	772.90	1/2	530.58	1/2	287.27	1/2	41.61	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,516.75	3/4	1,266.20	3/4	1,018.24	3/4	767.68	3/4	525.57	3/4	282.12	3/4	37.51	3/4	3/4	3/4	3/4	3/4	3/4
4	1,511.53	4	1,260.98	4	1,013.02	4	762.46	4	520.55	4	276.98	4	33.40	4	4	4	4	4	4
1/4	1,506.30	1/4	1,255.76	1/4	1,007.80	1/4	757.24	1/4	515.53	1/4	271.76	1/4	30.17	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,501.08	1/2	1,250.55	1/2	1,002.58	1/2	752.02	1/2	510.51	1/2	266.55	1/2	26.94	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,495.86	3/4	1,245.33	3/4	997.36	3/4	746.80	3/4	505.50	3/4	261.33	3/4	23.71	3/4	3/4	3/4	3/4	3/4	3/4
5	1,490.63	5	1,240.11	5	992.14	5	741.58	5	500.48	5	256.12	5	20.48	5	5	5	5	5	5
1/4	1,485.41	1/4	1,234.96	1/4	986.92	1/4	736.37	1/4	495.45	1/4	250.90	1/4	18.10	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,480.19	1/2	1,229.81	1/2	981.70	1/2	731.17	1/2	490.43	1/2	245.68	1/2	15.72	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,474.97	3/4	1,224.66	3/4	976.48	3/4	725.96	3/4	485.41	3/4	240.45	3/4	13.34	3/4	3/4	3/4	3/4	3/4	3/4
6	1,469.75	6	1,219.51	6	971.26	6	720.75	6	480.39	6	235.23	6	10.96	6	6	6	6	6	6
1/4	1,464.53	1/4	1,214.40	1/4	966.04	1/4	715.68	1/4	475.23	1/4	230.01	1/4	9.79	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,459.31	1/2	1,209.28	1/2	960.82	1/2	710.61	1/2	470.07	1/2	224.79	1/2	8.62	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,454.09	3/4	1,204.17	3/4	955.60	3/4	705.54	3/4	464.92	3/4	219.57	3/4	7.45	3/4	3/4	3/4	3/4	3/4	3/4
7	1,448.87	7	1,199.05	7	950.38	7	700.47	7	459.76	7	214.35	7	6.29	7	7	7	7	7	7
1/4	1,443.65	1/4	1,193.94	1/4	945.16	1/4	695.47	1/4	454.53	1/4	209.12	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,438.43	1/2	1,188.83	1/2	939.94	1/2	690.47	1/2	449.31	1/2	203.89	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,433.21	3/4	1,183.71	3/4	934.72	3/4	685.46	3/4	444.09	3/4	198.67	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,427.99	8	1,178.60	8	929.50	8	680.46	8	438.87	8	193.44	8		8	8	8	8	8	8
1/4	1,422.78	1/4	1,173.49	1/4	924.28	1/4	675.46	1/4	433.64	1/4	188.22	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,417.56	1/2	1,168.38	1/2	919.06	1/2	670.47	1/2	428.41	1/2	182.99	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,412.34	3/4	1,163.27	3/4	913.84	3/4	665.47	3/4	423.18	3/4	177.77	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,407.12	9	1,158.16	9	908.62	9	660.48	9	417.95	9	172.54	9		9	9	9	9	9	9
1/4	1,401.90	1/4	1,153.04	1/4	903.40	1/4	655.48	1/4	412.86	1/4	167.32	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,396.68	1/2	1,147.93	1/2	898.18	1/2	650.49	1/2	407.78	1/2	162.10	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,391.46	3/4	1,142.82	3/4	892.96	3/4	645.49	3/4	402.70	3/4	156.88	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,386.24	10	1,137.71	10	887.74	10	640.50	10	397.62	10	151.66	10		10	10	10	10	10	10
1/4	1,381.02	1/4	1,132.60	1/4	882.52	1/4	635.50	1/4	392.60	1/4	146.44	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,375.80	1/2	1,127.48	1/2	877.30	1/2	630.51	1/2	387.59	1/2	141.21	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,370.58	3/4	1,122.37	3/4	872.08	3/4	625.51	3/4	382.58	3/4	135.99	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,365.37	11	1,117.26	11	866.86	11	620.52	11	377.56	11	130.77	11		11	11	11	11	11	11
1/4	1,360.15	1/4	1,112.08	1/4	861.64	1/4	615.52	1/4	372.56	1/4	125.59	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,354.93	1/2	1,106.89	1/2	856.42	1/2	610.53	1/2	367.55	1/2	120.40	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,349.71	3/4	1,101.71	3/4	851.20	3/4	605.53	3/4	362.55	3/4	115.22	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/01/2007 SW- CL
RECOMPUTED: 11/07/2017 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2017

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



BARGE "KIRBY 18700"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

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		0		0	2,604.31	0	2,538.22	0	2,459.31	0	2,367.33	0	2,117.87	0	1,866.41		
1/4		1/4		1/4		1/4	2,603.07	1/4	2,536.71	1/4	2,457.58	1/4	2,362.56	1/4	2,112.64	1/4	1,861.17		
1/2		1/2		1/2		1/2	2,649.71	1/2	2,535.18	1/2	2,455.86	1/2	2,357.35	1/2	2,107.40	1/2	1,855.93		
3/4		3/4		3/4		3/4	2,649.64	3/4	2,600.56	3/4	2,533.65	3/4	2,454.13	3/4	2,352.15	3/4	2,102.16	3/4	1,850.69
1		1		1		1	2,649.49	1	2,599.30	1	2,532.12	1	2,452.41	1	2,346.95	1	2,096.92	1	1,845.45
1/4		1/4		1/4		1/4	2,649.33	1/4	2,598.04	1/4	2,530.59	1/4	2,450.68	1/4	2,341.74	1/4	2,091.68	1/4	1,840.21
1/2		1/2		1/2		1/2	2,649.16	1/2	2,596.76	1/2	2,529.04	1/2	2,448.95	1/2	2,336.54	1/2	2,086.45	1/2	1,834.97
3/4		3/4		3/4		3/4	2,648.99	3/4	2,595.48	3/4	2,527.49	3/4	2,447.23	3/4	2,331.33	3/4	2,081.21	3/4	1,829.73
2		2		2		2	2,648.81	2	2,594.20	2	2,525.94	2	2,445.50	2	2,326.13	2	2,075.97	2	1,824.50
1/4		1/4		1/4		1/4	2,648.20	1/4	2,592.92	1/4	2,524.37	1/4	2,443.77	1/4	2,320.93	1/4	2,070.73	1/4	1,819.26
1/2		1/2		1/2		1/2	2,647.16	1/2	2,591.62	1/2	2,522.80	1/2	2,442.05	1/2	2,315.72	1/2	2,065.49	1/2	1,814.02
3/4		3/4		3/4		3/4	2,646.11	3/4	2,590.32	3/4	2,521.23	3/4	2,440.32	3/4	2,310.52	3/4	2,060.25	3/4	1,808.78
3		3		3		3	2,645.06	3	2,589.02	3	2,519.65	3	2,438.60	3	2,305.31	3	2,055.01	3	1,803.54
1/4		1/4		1/4		1/4	2,643.99	1/4	2,587.70	1/4	2,518.07	1/4	2,436.87	1/4	2,300.11	1/4	2,049.77	1/4	1,798.30
1/2		1/2		1/2		1/2	2,642.90	1/2	2,586.38	1/2	2,516.47	1/2	2,435.14	1/2	2,294.90	1/2	2,044.53	1/2	1,793.06
3/4		3/4		3/4		3/4	2,641.80	3/4	2,585.06	3/4	2,514.87	3/4	2,433.42	3/4	2,289.70	3/4	2,039.29	3/4	1,787.82
4		4		4		4	2,640.71	4	2,583.74	4	2,513.28	4	2,431.69	4	2,284.50	4	2,034.06	4	1,782.58
1/4		1/4		1/4		1/4	2,639.64	1/4	2,582.40	1/4	2,511.67	1/4	2,429.97	1/4	2,279.29	1/4	2,028.82	1/4	1,777.34
1/2		1/2		1/2		1/2	2,638.58	1/2	2,581.06	1/2	2,510.05	1/2	2,428.24	1/2	2,274.09	1/2	2,023.58	1/2	1,772.11
3/4		3/4		3/4		3/4	2,637.53	3/4	2,579.71	3/4	2,508.43	3/4	2,426.51	3/4	2,268.88	3/4	2,018.34	3/4	1,766.87
5		5		5		5	2,636.48	5	2,578.36	5	2,506.80	5	2,424.79	5	2,263.68	5	2,013.10	5	1,761.63
1/4		1/4		1/4		1/4	2,635.41	1/4	2,577.01	1/4	2,505.17	1/4	2,423.06	1/4	2,258.47	1/4	2,007.86	1/4	1,756.39
1/2		1/2		1/2		1/2	2,634.34	1/2	2,575.64	1/2	2,503.53	1/2	2,421.34	1/2	2,253.27	1/2	2,002.62	1/2	1,751.15
3/4		3/4		3/4		3/4	2,633.26	3/4	2,574.27	3/4	2,501.89	3/4	2,419.61	3/4	2,248.07	3/4	1,997.38	3/4	1,745.91
6		6		6		6	2,632.18	6	2,572.90	6	2,500.24	6	2,417.88	6	2,242.86	6	1,992.14	6	1,740.67
1/4		1/4		1/4		1/4	2,631.10	1/4	2,571.52	1/4	2,498.59	1/4	2,416.16	1/4	2,237.66	1/4	1,986.90	1/4	1,735.43
1/2		1/2		1/2		1/2	2,630.00	1/2	2,570.13	1/2	2,496.92	1/2	2,414.43	1/2	2,232.45	1/2	1,981.67	1/2	1,730.19
3/4		3/4		3/4		3/4	2,628.90	3/4	2,568.74	3/4	2,495.25	3/4	2,412.71	3/4	2,227.25	3/4	1,976.43	3/4	1,724.95
7		7		7		7	2,627.80	7	2,567.35	7	2,493.59	7	2,410.98	7	2,222.05	7	1,971.19	7	1,719.72
1/4		1/4		1/4		1/4	2,626.69	1/4	2,565.95	1/4	2,491.91	1/4	2,409.25	1/4	2,216.84	1/4	1,965.95	1/4	1,714.48
1/2		1/2		1/2		1/2	2,625.57	1/2	2,564.53	1/2	2,490.22	1/2	2,407.53	1/2	2,211.64	1/2	1,960.71	1/2	1,709.24
3/4		3/4		3/4		3/4	2,624.45	3/4	2,563.12	3/4	2,488.53	3/4	2,405.80	3/4	2,206.43	3/4	1,955.47	3/4	1,704.00
8		8		8		8	2,623.32	8	2,561.71	8	2,486.84	8	2,404.07	8	2,201.23	8	1,950.23	8	1,698.76
1/4		1/4		1/4		1/4	2,622.19	1/4	2,560.28	1/4	2,485.14	1/4	2,402.35	1/4	2,196.02	1/4	1,944.99	1/4	1,693.52
1/2		1/2		1/2		1/2	2,621.05	1/2	2,558.84	1/2	2,483.43	1/2	2,400.62	1/2	2,190.82	1/2	1,939.75	1/2	1,688.28
3/4		3/4		3/4		3/4	2,619.90	3/4	2,557.41	3/4	2,481.72	3/4	2,398.90	3/4	2,185.62	3/4	1,934.51	3/4	1,683.04
9		9		9		9	2,618.76	9	2,555.97	9	2,480.01	9	2,397.17	9	2,180.41	9	1,929.28	9	1,677.80
1/4		1/4		1/4		1/4	2,617.59	1/4	2,554.52	1/4	2,478.29	1/4	2,395.44	1/4	2,175.21	1/4	1,924.04	1/4	1,672.56
1/2		1/2		1/2		1/2	2,616.41	1/2	2,553.06	1/2	2,476.56	1/2	2,393.72	1/2	2,170.00	1/2	1,918.80	1/2	1,667.33
3/4		3/4		3/4		3/4	2,615.23	3/4	2,551.61	3/4	2,474.84	3/4	2,391.99	3/4	2,164.80	3/4	1,913.56	3/4	1,662.09
10		10		10		10	2,614.05	10	2,550.15	10	2,473.12	10	2,390.27	10	2,159.59	10	1,908.32	10	1,656.85
1/4		1/4		1/4		1/4	2,612.85	1/4	2,548.68	1/4	2,471.39	1/4	2,388.54	1/4	2,154.39	1/4	1,903.08	1/4	1,651.61
1/2		1/2		1/2		1/2	2,611.65	1/2	2,547.19	1/2	2,469.67	1/2	2,386.81	1/2	2,149.19	1/2	1,897.84	1/2	1,646.37
3/4		3/4		3/4		3/4	2,610.44	3/4	2,545.71	3/4	2,467.94	3/4	2,385.09	3/4	2,143.98	3/4	1,892.60	3/4	1,641.13
11		11		11		11	2,609.23	11	2,544.23	11	2,466.21	11	2,383.36	11	2,138.78	11	1,887.36	11	1,635.89
1/4		1/4		1/4		1/4	2,608.01	1/4	2,542.74	1/4	2,464.49	1/4	2,380.33	1/4	2,133.56	1/4	1,882.12	1/4	1,630.65
1/2		1/2		1/2		1/2	2,606.77	1/2	2,541.23	1/2	2,462.76	1/2	2,376.00	1/2	2,128.33	1/2	1,876.89	1/2	1,625.41
3/4		3/4		3/4		3/4	2,605.54	3/4	2,539.73	3/4	2,461.04	3/4	2,371.66	3/4	2,123.10	3/4	1,871.65	3/4	1,620.17

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE OR 2" STANDPIPE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 48'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 18700"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

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	1,614.94	0	1,363.18	0	1,111.27	0	859.35	0	608.04	0	358.81	0	110.43	0		0		0	
1/4	1,609.70	1/4	1,357.93	1/4	1,106.02	1/4	854.10	1/4	602.81	1/4	353.79	1/4	105.26	1/4		1/4		1/4	
1/2	1,604.46	1/2	1,352.68	1/2	1,100.77	1/2	848.86	1/2	597.59	1/2	348.77	1/2	100.12	1/2		1/2		1/2	
3/4	1,599.22	3/4	1,347.44	3/4	1,095.52	3/4	843.61	3/4	592.37	3/4	343.75	3/4	94.98	3/4		3/4		3/4	
1	1,593.98	1	1,342.19	1	1,090.27	1	838.36	1	587.14	1	338.73	1	89.83	1		1		1	
1/4	1,588.74	1/4	1,336.94	1/4	1,085.03	1/4	833.11	1/4	581.92	1/4	333.72	1/4	84.70	1/4		1/4		1/4	
1/2	1,583.50	1/2	1,331.69	1/2	1,079.78	1/2	827.86	1/2	576.69	1/2	328.70	1/2	79.58	1/2		1/2		1/2	
3/4	1,578.26	3/4	1,326.44	3/4	1,074.53	3/4	822.62	3/4	571.47	3/4	323.69	3/4	74.45	3/4		3/4		3/4	
2	1,573.02	2	1,321.19	2	1,069.28	2	817.37	2	566.25	2	318.67	2	69.32	2		2		2	
1/4	1,567.78	1/4	1,315.95	1/4	1,064.03	1/4	812.12	1/4	561.02	1/4	313.65	1/4	64.37	1/4		1/4		1/4	
1/2	1,562.55	1/2	1,310.70	1/2	1,058.78	1/2	806.87	1/2	555.80	1/2	308.64	1/2	59.57	1/2		1/2		1/2	
3/4	1,557.31	3/4	1,305.45	3/4	1,053.54	3/4	801.62	3/4	550.57	3/4	303.62	3/4	54.78	3/4		3/4		3/4	
3	1,552.07	3	1,300.20	3	1,048.29	3	796.37	3	545.35	3	298.61	3	49.99	3		3		3	
1/4	1,546.83	1/4	1,294.95	1/4	1,043.04	1/4	791.13	1/4	540.12	1/4	293.51	1/4	45.58	1/4		1/4		1/4	
1/2	1,541.59	1/2	1,289.70	1/2	1,037.79	1/2	785.88	1/2	534.87	1/2	288.32	1/2	41.56	1/2		1/2		1/2	
3/4	1,536.35	3/4	1,284.46	3/4	1,032.54	3/4	780.63	3/4	529.63	3/4	283.14	3/4	37.53	3/4		3/4		3/4	
4	1,531.11	4	1,279.21	4	1,027.29	4	775.38	4	524.39	4	277.96	4	33.51	4		4		4	
1/4	1,525.87	1/4	1,273.96	1/4	1,022.05	1/4	770.13	1/4	519.15	1/4	272.74	1/4	29.93	1/4		1/4		1/4	
1/2	1,520.62	1/2	1,268.71	1/2	1,016.80	1/2	764.88	1/2	513.90	1/2	267.50	1/2	26.79	1/2		1/2		1/2	
3/4	1,515.38	3/4	1,263.46	3/4	1,011.55	3/4	759.64	3/4	508.65	3/4	262.26	3/4	23.65	3/4		3/4		3/4	
5	1,510.13	5	1,258.22	5	1,006.30	5	754.39	5	503.40	5	257.02	5	20.51	5		5		5	
1/4	1,504.88	1/4	1,252.97	1/4	1,001.05	1/4	749.15	1/4	498.15	1/4	251.79	1/4	17.81	1/4		1/4		1/4	
1/2	1,499.63	1/2	1,247.72	1/2	995.81	1/2	743.91	1/2	492.91	1/2	246.55	1/2	15.53	1/2		1/2		1/2	
3/4	1,494.38	3/4	1,242.47	3/4	990.56	3/4	738.68	3/4	487.66	3/4	241.31	3/4	13.25	3/4		3/4		3/4	
6	1,489.14	6	1,237.22	6	985.31	6	733.45	6	482.41	6	236.07	6	10.96	6		6		6	
1/4	1,483.89	1/4	1,231.97	1/4	980.06	1/4	728.21	1/4	477.16	1/4	230.83	1/4	9.32	1/4		1/4		1/4	
1/2	1,478.64	1/2	1,226.73	1/2	974.81	1/2	722.98	1/2	471.91	1/2	225.59	1/2	8.31	1/2		1/2		1/2	
3/4	1,473.39	3/4	1,221.48	3/4	969.56	3/4	717.76	3/4	466.67	3/4	220.35	3/4	7.30	3/4		3/4		3/4	
7	1,468.14	7	1,216.23	7	964.32	7	712.53	7	461.42	7	215.11	7	6.29	7		7		7	
1/4	1,462.90	1/4	1,210.98	1/4	959.07	1/4	707.30	1/4	456.17	1/4	209.86	1/4		1/4		1/4		1/4	
1/2	1,457.65	1/2	1,205.73	1/2	953.82	1/2	702.07	1/2	450.92	1/2	204.62	1/2		1/2		1/2		1/2	
3/4	1,452.40	3/4	1,200.49	3/4	948.57	3/4	696.85	3/4	445.67	3/4	199.37	3/4		3/4		3/4		3/4	
8	1,447.15	8	1,195.24	8	943.32	8	691.62	8	440.43	8	194.13	8		8		8		8	
1/4	1,441.90	1/4	1,189.99	1/4	938.08	1/4	686.40	1/4	435.18	1/4	188.88	1/4		1/4		1/4		1/4	
1/2	1,436.65	1/2	1,184.74	1/2	932.83	1/2	681.17	1/2	429.93	1/2	183.64	1/2		1/2		1/2		1/2	
3/4	1,431.41	3/4	1,179.49	3/4	927.58	3/4	675.95	3/4	424.68	3/4	178.40	3/4		3/4		3/4		3/4	
9	1,426.16	9	1,174.24	9	922.33	9	670.73	9	419.44	9	173.16	9		9		9		9	
1/4	1,420.91	1/4	1,169.00	1/4	917.08	1/4	665.50	1/4	414.27	1/4	167.92	1/4		1/4		1/4		1/4	
1/2	1,415.66	1/2	1,163.75	1/2	911.83	1/2	660.28	1/2	409.19	1/2	162.68	1/2		1/2		1/2		1/2	
3/4	1,410.41	3/4	1,158.50	3/4	906.59	3/4	655.05	3/4	404.11	3/4	157.44	3/4		3/4		3/4		3/4	
10	1,405.17	10	1,153.25	10	901.34	10	649.83	10	399.03	10	152.20	10		10		10		10	
1/4	1,399.92	1/4	1,148.00	1/4	896.09	1/4	644.61	1/4	393.98	1/4	146.96	1/4		1/4		1/4		1/4	
1/2	1,394.67	1/2	1,142.76	1/2	890.84	1/2	639.38	1/2	388.96	1/2	141.72	1/2		1/2		1/2		1/2	
3/4	1,389.42	3/4	1,137.51	3/4	885.59	3/4	634.16	3/4	383.93	3/4	136.48	3/4		3/4		3/4		3/4	
11	1,384.17	11	1,132.26	11	880.35	11	628.93	11	378.91	11	131.24	11		11		11		11	
1/4	1,378.92	1/4	1,127.01	1/4	875.10	1/4	623.71	1/4	373.88	1/4	126.02	1/4		1/4		1/4		1/4	
1/2	1,373.68	1/2	1,121.76	1/2	869.85	1/2	618.49	1/2	368.86	1/2	120.82	1/2		1/2		1/2		1/2	
3/4	1,368.43	3/4	1,116.51	3/4	864.60	3/4	613.26	3/4	363.83	3/4	115.63	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/01/2007 SW- CL
RECOMPUTED: 11/07/2017 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2017

PRECISION MEASUREMENT
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Pearland, Texas 77588
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BARGE "KIRBY 18700"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2
1 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2
2 PORT	- 00-1/4	00-1/4	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-1/4	01-1/4	- 01-1/2	01-1/2	- 01-3/4	01-3/4
2 STBD	- 00-1/4	00-1/4	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-1/4	01-1/4	- 01-1/2	01-1/2	- 01-3/4	01-3/4
3 PORT	- 01-1/4	01-1/4	- 02-5/8	02-5/8	- 03-7/8	03-7/8	- 05-1/8	05-1/8	- 06-3/8	06-3/8	- 07-3/4	07-3/4
3 STBD	- 01-1/4	01-1/4	- 02-5/8	02-5/8	- 03-7/8	03-7/8	- 05-1/8	05-1/8	- 06-3/8	06-3/8	- 07-3/4	07-3/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS 00-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 166'-03"

November 7, 2017

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
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BARGE "KIRBY 18700"

**1 PORT
INNAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

Table with 17 columns (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.) and multiple rows of capacity data for various gauge heights.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
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 TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE OR 2" STANDPIPE.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 31'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT & ANALYSIS, INC.
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BARGE "KIRBY 18700"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

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	2,487.32	0	2,742.72	0	2,989.98	0	3,223.63	0		0		0		0		0		0	
1/4	2,492.64	1/4	2,748.00	1/4	2,994.98	1/4	3,228.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,497.97	1/2	2,753.28	1/2	2,999.98	1/2	3,232.97	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,503.29	3/4	2,758.57	3/4	3,004.97	3/4	3,237.64	3/4		3/4		3/4		3/4		3/4		3/4	
1	2,508.61	1	2,763.85	1	3,009.97	1	3,242.31	1		1		1		1		1		1	
1/4	2,513.93	1/4	2,769.11	1/4	3,014.95	1/4	3,246.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,519.26	1/2	2,774.37	1/2	3,019.93	1/2	3,251.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,524.58	3/4	2,779.63	3/4	3,024.90	3/4	3,256.25	3/4		3/4		3/4		3/4		3/4		3/4	
2	2,529.90	2	2,784.89	2	3,029.88	2	3,260.90	2		2		2		2		2		2	
1/4	2,535.22	1/4	2,790.13	1/4	3,034.83	1/4	3,265.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,540.55	1/2	2,795.36	1/2	3,039.79	1/2	3,270.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,545.87	3/4	2,800.60	3/4	3,044.74	3/4	3,274.77	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,551.19	3	2,805.84	3	3,049.70	3	3,279.39	3		3		3		3		3		3	
1/4	2,556.51	1/4	2,811.05	1/4	3,054.63	1/4	3,284.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,561.84	1/2	2,816.27	1/2	3,059.56	1/2	3,288.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,567.16	3/4	2,821.48	3/4	3,064.49	3/4	3,293.22	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,572.48	4	2,826.69	4	3,069.42	4	3,297.83	4		4		4		4		4		4	
1/4	2,577.80	1/4	2,831.88	1/4	3,074.33	1/4	3,302.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,583.13	1/2	2,837.07	1/2	3,079.24	1/2	3,307.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,588.45	3/4	2,842.26	3/4	3,084.15	3/4	3,311.74	3/4		3/4		3/4		3/4		3/4		3/4	
5	2,593.77	5	2,847.45	5	3,089.06	5	3,316.37	5		5		5		5		5		5	
1/4	2,599.09	1/4	2,852.61	1/4	3,093.94	1/4	3,320.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,604.42	1/2	2,857.76	1/2	3,098.83	1/2	3,325.33	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,609.74	3/4	2,862.92	3/4	3,103.71	3/4	3,329.81	3/4		3/4		3/4		3/4		3/4		3/4	
6	2,615.06	6	2,868.08	6	3,108.60	6	3,334.29	6		6		6		6		6		6	
1/4	2,620.38	1/4	2,873.22	1/4	3,113.46	1/4	3,337.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,625.71	1/2	2,878.35	1/2	3,118.32	1/2	3,341.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,631.03	3/4	2,883.49	3/4	3,123.19	3/4	3,345.06	3/4		3/4		3/4		3/4		3/4		3/4	
7	2,636.35	7	2,888.62	7	3,128.05	7	3,348.65	7		7		7		7		7		7	
1/4	2,641.67	1/4	2,893.74	1/4	3,132.89	1/4	3,351.47	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,647.00	1/2	2,898.85	1/2	3,137.73	1/2	3,352.87	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,652.32	3/4	2,903.96	3/4	3,142.57	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,657.64	8	2,909.08	8	3,147.41	8		8		8		8		8		8		8	
1/4	2,662.96	1/4	2,914.17	1/4	3,152.23	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,668.29	1/2	2,919.26	1/2	3,157.05	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,673.61	3/4	2,924.35	3/4	3,161.86	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,678.93	9	2,929.44	9	3,166.68	9		9		9		9		9		9		9	
1/4	2,684.25	1/4	2,934.51	1/4	3,171.48	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,689.58	1/2	2,939.57	1/2	3,176.27	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,694.90	3/4	2,944.64	3/4	3,181.06	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,700.22	10	2,949.71	10	3,185.85	10		10		10		10		10		10		10	
1/4	2,705.54	1/4	2,954.75	1/4	3,190.61	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,710.86	1/2	2,959.80	1/2	3,195.36	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,716.18	3/4	2,964.84	3/4	3,200.11	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,721.50	11	2,969.89	11	3,204.86	11		11		11		11		11		11		11	
1/4	2,726.80	1/4	2,974.91	1/4	3,209.56	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,732.11	1/2	2,979.93	1/2	3,214.25	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,737.41	3/4	2,984.95	3/4	3,218.94	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 11/01/2007 SW- CL
RECOMPUTED: 11/07/2017 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2017

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BARGE "KIRBY 18700"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/4"

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	13.00	0	201.33	0	444.86	0	699.81	0	954.76	0	1,210.04	0	1,465.37	0	1,721.02	0	1,976.67	0	2,232.33
1/4	14.98	1/4	206.14	1/4	450.19	1/4	705.11	1/4	960.09	1/4	1,215.33	1/4	1,470.69	1/4	1,726.35	1/4	1,982.00	1/4	2,237.65
1/2	16.95	1/2	210.95	1/2	455.51	1/2	710.41	1/2	965.42	1/2	1,220.63	1/2	1,476.02	1/2	1,731.67	1/2	1,987.33	1/2	2,242.98
3/4	18.92	3/4	215.76	3/4	460.84	3/4	715.72	3/4	970.74	3/4	1,225.93	3/4	1,481.35	3/4	1,737.00	3/4	1,992.65	3/4	2,248.30
1	20.89	1	220.57	1	466.16	1	721.02	1	976.07	1	1,231.22	1	1,486.67	1	1,742.33	1	1,997.98	1	2,253.63
1/4	24.10	1/4	225.47	1/4	471.49	1/4	726.32	1/4	981.39	1/4	1,236.52	1/4	1,492.00	1/4	1,747.65	1/4	2,003.30	1/4	2,258.96
1/2	27.30	1/2	230.37	1/2	476.82	1/2	731.62	1/2	986.72	1/2	1,241.82	1/2	1,497.32	1/2	1,752.98	1/2	2,008.63	1/2	2,264.28
3/4	30.51	3/4	235.27	3/4	482.14	3/4	736.92	3/4	992.05	3/4	1,247.12	3/4	1,502.65	3/4	1,758.30	3/4	2,013.96	3/4	2,269.61
2	33.71	2	240.18	2	487.47	2	742.22	2	997.37	2	1,252.41	2	1,507.98	2	1,763.63	2	2,019.28	2	2,274.94
1/4	37.41	1/4	245.18	1/4	492.79	1/4	747.50	1/4	1,002.70	1/4	1,257.72	1/4	1,513.30	1/4	1,768.96	1/4	2,024.61	1/4	2,280.26
1/2	41.12	1/2	250.18	1/2	498.12	1/2	752.78	1/2	1,008.03	1/2	1,263.02	1/2	1,518.63	1/2	1,774.28	1/2	2,029.93	1/2	2,285.59
3/4	44.82	3/4	255.18	3/4	503.45	3/4	758.07	3/4	1,013.35	3/4	1,268.32	3/4	1,523.96	3/4	1,779.61	3/4	2,035.26	3/4	2,290.91
3	48.53	3	260.17	3	508.77	3	763.35	3	1,018.68	3	1,273.63	3	1,529.28	3	1,784.93	3	2,040.59	3	2,296.24
1/4	52.32	1/4	265.27	1/4	514.10	1/4	768.65	1/4	1,024.00	1/4	1,278.95	1/4	1,534.61	1/4	1,790.26	1/4	2,045.91	1/4	2,301.57
1/2	56.10	1/2	270.37	1/2	519.42	1/2	773.94	1/2	1,029.33	1/2	1,284.28	1/2	1,539.93	1/2	1,795.59	1/2	2,051.24	1/2	2,306.89
3/4	59.89	3/4	275.47	3/4	524.75	3/4	779.24	3/4	1,034.66	3/4	1,289.61	3/4	1,545.26	3/4	1,800.91	3/4	2,056.57	3/4	2,312.22
4	63.68	4	280.56	4	530.07	4	784.54	4	1,039.98	4	1,294.93	4	1,550.59	4	1,806.24	4	2,061.89	4	2,317.54
1/4	67.57	1/4	285.70	1/4	535.39	1/4	789.83	1/4	1,045.31	1/4	1,300.26	1/4	1,555.91	1/4	1,811.56	1/4	2,067.22	1/4	2,322.87
1/2	71.47	1/2	290.84	1/2	540.71	1/2	795.13	1/2	1,050.63	1/2	1,305.59	1/2	1,561.24	1/2	1,816.89	1/2	2,072.54	1/2	2,328.20
3/4	75.37	3/4	295.98	3/4	546.03	3/4	800.43	3/4	1,055.96	3/4	1,310.91	3/4	1,566.56	3/4	1,822.22	3/4	2,077.87	3/4	2,333.52
5	79.27	5	301.12	5	551.35	5	805.72	5	1,061.29	5	1,316.24	5	1,571.89	5	1,827.54	5	2,083.20	5	2,338.85
1/4	83.27	1/4	306.18	1/4	556.66	1/4	811.03	1/4	1,066.61	1/4	1,321.56	1/4	1,577.22	1/4	1,832.87	1/4	2,088.52	1/4	2,344.17
1/2	87.27	1/2	311.24	1/2	561.96	1/2	816.33	1/2	1,071.94	1/2	1,326.89	1/2	1,582.54	1/2	1,838.20	1/2	2,093.85	1/2	2,349.50
3/4	91.26	3/4	316.29	3/4	567.26	3/4	821.63	3/4	1,077.26	3/4	1,332.22	3/4	1,587.87	3/4	1,843.52	3/4	2,099.17	3/4	2,354.83
6	95.26	6	321.35	6	572.56	6	826.94	6	1,082.59	6	1,337.54	6	1,593.19	6	1,848.85	6	2,104.50	6	2,360.15
1/4	99.37	1/4	326.44	1/4	577.86	1/4	832.26	1/4	1,087.92	1/4	1,342.87	1/4	1,598.52	1/4	1,854.17	1/4	2,109.83	1/4	2,365.48
1/2	103.47	1/2	331.54	1/2	583.17	1/2	837.59	1/2	1,093.24	1/2	1,348.19	1/2	1,603.85	1/2	1,859.50	1/2	2,115.15	1/2	2,370.81
3/4	107.57	3/4	336.63	3/4	588.47	3/4	842.92	3/4	1,098.57	3/4	1,353.52	3/4	1,609.17	3/4	1,864.83	3/4	2,120.48	3/4	2,376.13
7	111.67	7	341.73	7	593.77	7	848.24	7	1,103.89	7	1,358.85	7	1,614.50	7	1,870.15	7	2,125.80	7	2,381.46
1/4	115.89	1/4	346.82	1/4	599.07	1/4	853.57	1/4	1,109.22	1/4	1,364.17	1/4	1,619.83	1/4	1,875.48	1/4	2,131.13	1/4	2,386.78
1/2	120.11	1/2	351.92	1/2	604.37	1/2	858.89	1/2	1,114.55	1/2	1,369.50	1/2	1,625.15	1/2	1,880.80	1/2	2,136.46	1/2	2,392.11
3/4	124.32	3/4	357.01	3/4	609.67	3/4	864.22	3/4	1,119.87	3/4	1,374.82	3/4	1,630.48	3/4	1,886.13	3/4	2,141.78	3/4	2,397.44
8	128.54	8	362.11	8	614.98	8	869.55	8	1,125.20	8	1,380.15	8	1,635.80	8	1,891.46	8	2,147.11	8	2,402.76
1/4	132.91	1/4	367.21	1/4	620.28	1/4	874.87	1/4	1,130.52	1/4	1,385.48	1/4	1,641.13	1/4	1,896.78	1/4	2,152.44	1/4	2,408.09
1/2	137.28	1/2	372.31	1/2	625.58	1/2	880.20	1/2	1,135.84	1/2	1,390.80	1/2	1,646.46	1/2	1,902.11	1/2	2,157.76	1/2	2,413.41
3/4	141.65	3/4	377.42	3/4	630.88	3/4	885.52	3/4	1,141.16	3/4	1,396.13	3/4	1,651.78	3/4	1,907.43	3/4	2,163.09	3/4	2,418.74
9	146.02	9	382.52	9	636.18	9	890.85	9	1,146.48	9	1,401.45	9	1,657.11	9	1,912.76	9	2,168.41	9	2,424.07
1/4	150.53	1/4	387.62	1/4	641.49	1/4	896.18	1/4	1,151.77	1/4	1,406.78	1/4	1,662.43	1/4	1,918.09	1/4	2,173.74	1/4	2,429.39
1/2	155.04	1/2	392.72	1/2	646.79	1/2	901.50	1/2	1,157.07	1/2	1,412.11	1/2	1,667.76	1/2	1,923.41	1/2	2,179.07	1/2	2,434.72
3/4	159.55	3/4	397.82	3/4	652.09	3/4	906.83	3/4	1,162.37	3/4	1,417.43	3/4	1,673.09	3/4	1,928.74	3/4	2,184.39	3/4	2,440.04
10	164.06	10	402.93	10	657.39	10	912.16	10	1,167.66	10	1,422.76	10	1,678.41	10	1,934.06	10	2,189.72	10	2,445.37
1/4	168.67	1/4	408.08	1/4	662.69	1/4	917.48	1/4	1,172.96	1/4	1,428.09	1/4	1,683.74	1/4	1,939.39	1/4	2,195.04	1/4	2,450.70
1/2	173.28	1/2	413.24	1/2	668.00	1/2	922.81	1/2	1,178.26	1/2	1,433.41	1/2	1,689.06	1/2	1,944.72	1/2	2,200.37	1/2	2,456.02
3/4	177.89	3/4	418.40	3/4	673.30	3/4	928.13	3/4	1,183.55	3/4	1,438.74	3/4	1,694.39	3/4	1,950.04	3/4	2,205.70	3/4	2,461.35
11	182.50	11	423.56	11	678.60	11	933.46	11	1,188.85	11	1,444.06	11	1,699.72	11	1,955.37	11	2,211.02	11	2,466.67
1/4	187.20	1/4	428.88	1/4	683.90	1/4	938.79	1/4	1,194.15	1/4	1,449.39	1/4	1,705.04	1/4	1,960.70	1/4	2,216.35	1/4	2,472.00
1/2	191.91	1/2	434.21	1/2	689.20	1/2	944.11	1/2	1,199.44	1/2	1,454.72	1/2	1,710.37	1/2	1,966.02	1/2	2,221.67	1/2	2,477.33
3/4	196.62	3/4	439.54	3/4	694.51	3/4	949.44	3/4	1,204.74	3/4	1,460.04	3/4	1,715.69	3/4	1,971.35	3/4	2,227.00	3/4	2,482.65

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

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 TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE OR 2" STANDPIPE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 31'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 18700"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/4"

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	2,487.98	0	2,743.57	0	2,991.15	0	3,225.14	0		0		0		0		0		0	
1/4	2,493.31	1/4	2,748.86	1/4	2,996.15	1/4	3,229.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,498.63	1/2	2,754.15	1/2	3,001.16	1/2	3,234.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,503.96	3/4	2,759.44	3/4	3,006.17	3/4	3,239.17	3/4		3/4		3/4		3/4		3/4		3/4	
1	2,509.28	1	2,764.73	1	3,011.17	1	3,243.84	1		1		1		1		1		1	
1/4	2,514.61	1/4	2,770.00	1/4	3,016.15	1/4	3,248.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,519.94	1/2	2,775.26	1/2	3,021.14	1/2	3,253.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,525.26	3/4	2,780.53	3/4	3,026.12	3/4	3,257.80	3/4		3/4		3/4		3/4		3/4		3/4	
2	2,530.59	2	2,785.80	2	3,031.10	2	3,262.46	2		2		2		2		2		2	
1/4	2,535.91	1/4	2,791.04	1/4	3,036.06	1/4	3,267.09	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,541.24	1/2	2,796.28	1/2	3,041.02	1/2	3,271.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,546.57	3/4	2,801.53	3/4	3,045.98	3/4	3,276.35	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,551.89	3	2,806.77	3	3,050.95	3	3,280.98	3		3		3		3		3		3	
1/4	2,557.22	1/4	2,811.99	1/4	3,055.88	1/4	3,285.59	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,562.54	1/2	2,817.21	1/2	3,060.82	1/2	3,290.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,567.87	3/4	2,822.43	3/4	3,065.76	3/4	3,294.80	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,573.20	4	2,827.66	4	3,070.70	4	3,299.41	4		4		4		4		4		4	
1/4	2,578.52	1/4	2,832.85	1/4	3,075.61	1/4	3,304.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,583.85	1/2	2,838.05	1/2	3,080.53	1/2	3,308.70	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,589.18	3/4	2,843.24	3/4	3,085.44	3/4	3,313.35	3/4		3/4		3/4		3/4		3/4		3/4	
5	2,594.50	5	2,848.44	5	3,090.36	5	3,317.99	5		5		5		5		5		5	
1/4	2,599.83	1/4	2,853.60	1/4	3,095.25	1/4	3,322.59	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,605.15	1/2	2,858.77	1/2	3,100.14	1/2	3,327.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,610.48	3/4	2,863.93	3/4	3,105.03	3/4	3,331.77	3/4		3/4		3/4		3/4		3/4		3/4	
6	2,615.81	6	2,869.10	6	3,109.92	6	3,336.37	6		6		6		6		6		6	
1/4	2,621.13	1/4	2,874.24	1/4	3,114.79	1/4	3,340.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,626.46	1/2	2,879.38	1/2	3,119.66	1/2	3,343.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,631.78	3/4	2,884.52	3/4	3,124.53	3/4	3,347.48	3/4		3/4		3/4		3/4		3/4		3/4	
7	2,637.11	7	2,889.67	7	3,129.40	7	3,351.18	7		7		7		7		7		7	
1/4	2,642.44	1/4	2,894.79	1/4	3,134.25	1/4	3,354.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,647.76	1/2	2,899.91	1/2	3,139.10	1/2	3,356.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,653.09	3/4	2,905.03	3/4	3,143.94	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,658.41	8	2,910.14	8	3,148.79	8		8		8		8		8		8		8	
1/4	2,663.74	1/4	2,915.24	1/4	3,153.61	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,669.07	1/2	2,920.34	1/2	3,158.44	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,674.39	3/4	2,925.43	3/4	3,163.26	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,679.72	9	2,930.53	9	3,168.09	9		9		9		9		9		9		9	
1/4	2,685.05	1/4	2,935.61	1/4	3,172.89	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,690.37	1/2	2,940.68	1/2	3,177.69	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,695.70	3/4	2,945.75	3/4	3,182.49	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,701.02	10	2,950.83	10	3,187.29	10		10		10		10		10		10		10	
1/4	2,706.35	1/4	2,955.88	1/4	3,192.06	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,711.67	1/2	2,960.93	1/2	3,196.82	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,717.00	3/4	2,965.98	3/4	3,201.58	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,722.33	11	2,971.03	11	3,206.35	11		11		11		11		11		11		11	
1/4	2,727.64	1/4	2,976.06	1/4	3,211.05	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,732.95	1/2	2,981.09	1/2	3,215.75	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,738.26	3/4	2,986.12	3/4	3,220.44	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 11/01/2007 SW- CL
RECOMPUTED: 11/07/2017 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2017

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 18700"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

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	14.59	0	255.83	0	503.52	0	748.23	0	997.72	0	1,249.44	0	1,501.41	0	1,754.71	0	2,008.02	0	2,261.32
1/4	18.21	1/4	261.10	1/4	508.80	1/4	753.24	1/4	1,003.00	1/4	1,254.60	1/4	1,506.68	1/4	1,759.99	1/4	2,013.29	1/4	2,266.60
1/2	21.84	1/2	266.38	1/2	514.07	1/2	758.26	1/2	1,008.28	1/2	1,259.75	1/2	1,511.96	1/2	1,765.27	1/2	2,018.57	1/2	2,271.88
3/4	25.47	3/4	271.65	3/4	519.35	3/4	763.27	3/4	1,013.55	3/4	1,264.91	3/4	1,517.24	3/4	1,770.54	3/4	2,023.85	3/4	2,277.15
1	29.09	1	276.93	1	524.63	1	768.29	1	1,018.83	1	1,270.06	1	1,522.51	1	1,775.82	1	2,029.13	1	2,282.43
1/4	33.84	1/4	282.20	1/4	529.90	1/4	773.31	1/4	1,024.11	1/4	1,275.22	1/4	1,527.79	1/4	1,781.10	1/4	2,034.40	1/4	2,287.71
1/2	38.59	1/2	287.47	1/2	535.18	1/2	778.33	1/2	1,029.39	1/2	1,280.37	1/2	1,533.07	1/2	1,786.37	1/2	2,039.68	1/2	2,292.99
3/4	43.34	3/4	292.73	3/4	540.46	3/4	783.35	3/4	1,034.66	3/4	1,285.53	3/4	1,538.35	3/4	1,791.65	3/4	2,044.96	3/4	2,298.26
2	48.09	2	298.00	2	545.73	2	788.37	2	1,039.94	2	1,290.68	2	1,543.62	2	1,796.93	2	2,050.23	2	2,303.54
1/4	53.24	1/4	303.27	1/4	551.01	1/4	793.39	1/4	1,045.22	1/4	1,295.87	1/4	1,548.90	1/4	1,802.21	1/4	2,055.51	1/4	2,308.82
1/2	58.39	1/2	308.54	1/2	556.29	1/2	798.41	1/2	1,050.49	1/2	1,301.06	1/2	1,554.18	1/2	1,807.48	1/2	2,060.79	1/2	2,314.09
3/4	63.54	3/4	313.81	3/4	561.57	3/4	803.44	3/4	1,055.77	3/4	1,306.24	3/4	1,559.46	3/4	1,812.76	3/4	2,066.07	3/4	2,319.37
3	68.69	3	319.08	3	566.84	3	808.46	3	1,061.05	3	1,311.43	3	1,564.73	3	1,818.04	3	2,071.34	3	2,324.65
1/4	73.82	1/4	324.35	1/4	572.06	1/4	813.56	1/4	1,066.33	1/4	1,316.70	1/4	1,570.01	1/4	1,823.32	1/4	2,076.62	1/4	2,329.93
1/2	78.95	1/2	329.62	1/2	577.28	1/2	818.66	1/2	1,071.60	1/2	1,321.98	1/2	1,575.29	1/2	1,828.59	1/2	2,081.90	1/2	2,335.20
3/4	84.08	3/4	334.88	3/4	582.49	3/4	823.75	3/4	1,076.88	3/4	1,327.26	3/4	1,580.56	3/4	1,833.87	3/4	2,087.18	3/4	2,340.48
4	89.22	4	340.15	4	587.71	4	828.85	4	1,082.16	4	1,332.54	4	1,585.84	4	1,839.15	4	2,092.45	4	2,345.76
1/4	94.36	1/4	345.37	1/4	592.74	1/4	834.13	1/4	1,087.44	1/4	1,337.81	1/4	1,591.12	1/4	1,844.42	1/4	2,097.73	1/4	2,351.04
1/2	99.51	1/2	350.58	1/2	597.77	1/2	839.41	1/2	1,092.71	1/2	1,343.09	1/2	1,596.40	1/2	1,849.70	1/2	2,103.01	1/2	2,356.31
3/4	104.65	3/4	355.79	3/4	602.81	3/4	844.68	3/4	1,097.99	3/4	1,348.37	3/4	1,601.67	3/4	1,854.98	3/4	2,108.28	3/4	2,361.59
5	109.80	5	361.00	5	607.84	5	849.96	5	1,103.27	5	1,353.64	5	1,606.95	5	1,860.26	5	2,113.56	5	2,366.87
1/4	114.95	1/4	366.05	1/4	612.85	1/4	855.24	1/4	1,108.54	1/4	1,358.92	1/4	1,612.23	1/4	1,865.53	1/4	2,118.84	1/4	2,372.14
1/2	120.09	1/2	371.09	1/2	617.87	1/2	860.52	1/2	1,113.82	1/2	1,364.20	1/2	1,617.50	1/2	1,870.81	1/2	2,124.12	1/2	2,377.42
3/4	125.24	3/4	376.14	3/4	622.88	3/4	865.79	3/4	1,119.10	3/4	1,369.48	3/4	1,622.78	3/4	1,876.09	3/4	2,129.39	3/4	2,382.70
6	130.39	6	381.18	6	627.89	6	871.07	6	1,124.38	6	1,374.75	6	1,628.06	6	1,881.36	6	2,134.67	6	2,387.98
1/4	135.55	1/4	386.23	1/4	632.91	1/4	876.35	1/4	1,129.65	1/4	1,380.03	1/4	1,633.34	1/4	1,886.64	1/4	2,139.95	1/4	2,393.25
1/2	140.70	1/2	391.27	1/2	637.92	1/2	881.62	1/2	1,134.93	1/2	1,385.31	1/2	1,638.61	1/2	1,891.92	1/2	2,145.22	1/2	2,398.53
3/4	145.85	3/4	396.32	3/4	642.94	3/4	886.90	3/4	1,140.21	3/4	1,390.58	3/4	1,643.89	3/4	1,897.20	3/4	2,150.50	3/4	2,403.81
7	151.01	7	401.36	7	647.95	7	892.18	7	1,145.48	7	1,395.86	7	1,649.17	7	1,902.47	7	2,155.78	7	2,409.08
1/4	156.18	1/4	406.41	1/4	652.96	1/4	897.46	1/4	1,150.76	1/4	1,401.14	1/4	1,654.44	1/4	1,907.75	1/4	2,161.06	1/4	2,414.36
1/2	161.35	1/2	411.46	1/2	657.98	1/2	902.73	1/2	1,156.04	1/2	1,406.42	1/2	1,659.72	1/2	1,913.03	1/2	2,166.33	1/2	2,419.64
3/4	166.52	3/4	416.50	3/4	662.99	3/4	908.01	3/4	1,161.32	3/4	1,411.69	3/4	1,665.00	3/4	1,918.30	3/4	2,171.61	3/4	2,424.92
8	171.69	8	421.55	8	668.01	8	913.29	8	1,166.59	8	1,416.97	8	1,670.28	8	1,923.58	8	2,176.89	8	2,430.19
1/4	176.92	1/4	426.60	1/4	673.02	1/4	918.56	1/4	1,171.84	1/4	1,422.25	1/4	1,675.55	1/4	1,928.86	1/4	2,182.16	1/4	2,435.47
1/2	182.14	1/2	431.66	1/2	678.03	1/2	923.84	1/2	1,177.09	1/2	1,427.53	1/2	1,680.83	1/2	1,934.14	1/2	2,187.44	1/2	2,440.75
3/4	187.37	3/4	436.71	3/4	683.05	3/4	929.12	3/4	1,182.33	3/4	1,432.80	3/4	1,686.11	3/4	1,939.41	3/4	2,192.72	3/4	2,446.02
9	192.60	9	441.76	9	688.06	9	934.40	9	1,187.58	9	1,438.08	9	1,691.39	9	1,944.69	9	2,198.00	9	2,451.30
1/4	197.87	1/4	446.82	1/4	693.07	1/4	939.67	1/4	1,192.74	1/4	1,443.36	1/4	1,696.66	1/4	1,949.97	1/4	2,203.27	1/4	2,456.58
1/2	203.13	1/2	451.87	1/2	698.09	1/2	944.95	1/2	1,197.89	1/2	1,448.63	1/2	1,701.94	1/2	1,955.25	1/2	2,208.55	1/2	2,461.86
3/4	208.40	3/4	456.92	3/4	703.10	3/4	950.23	3/4	1,203.05	3/4	1,453.91	3/4	1,707.22	3/4	1,960.52	3/4	2,213.83	3/4	2,467.13
10	213.67	10	461.98	10	708.12	10	955.51	10	1,208.20	10	1,459.19	10	1,712.49	10	1,965.80	10	2,219.11	10	2,472.41
1/4	218.94	1/4	467.08	1/4	713.13	1/4	960.78	1/4	1,213.36	1/4	1,464.47	1/4	1,717.77	1/4	1,971.08	1/4	2,224.38	1/4	2,477.69
1/2	224.21	1/2	472.19	1/2	718.14	1/2	966.06	1/2	1,218.51	1/2	1,469.74	1/2	1,723.05	1/2	1,976.35	1/2	2,229.66	1/2	2,482.97
3/4	229.48	3/4	477.30	3/4	723.16	3/4	971.34	3/4	1,223.67	3/4	1,475.02	3/4	1,728.33	3/4	1,981.63	3/4	2,234.94	3/4	2,488.24
11	234.75	11	482.41	11	728.17	11	976.61	11	1,228.82	11	1,480.30	11	1,733.60	11	1,986.91	11	2,240.21	11	2,493.52
1/4	240.02	1/4	487.69	1/4	733.19	1/4	981.89	1/4	1,233.98	1/4	1,485.57	1/4	1,738.88	1/4	1,992.19	1/4	2,245.49	1/4	2,498.80
1/2	245.29	1/2	492.97	1/2	738.20	1/2	987.17	1/2	1,239.13	1/2	1,490.85	1/2	1,744.16	1/2	1,997.46	1/2	2,250.77	1/2	2,504.07
3/4	250.56	3/4	498.24	3/4	743.21	3/4	992.45	3/4	1,244.29	3/4	1,496.13	3/4	1,749.43	3/4	2,002.74	3/4	2,256.05	3/4	2,509.35

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

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 TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE OR 2" STANDPIPE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 34'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 18700"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

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	2,514.63	0	2,767.87	0	3,013.09	0	3,244.74	0		0		0		0		0		0	
1/4	2,519.91	1/4	2,773.11	1/4	3,018.05	1/4	3,249.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,525.18	1/2	2,778.35	1/2	3,023.01	1/2	3,253.99	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,530.46	3/4	2,783.59	3/4	3,027.96	3/4	3,258.62	3/4		3/4		3/4		3/4		3/4		3/4	
1	2,535.74	1	2,788.83	1	3,032.92	1	3,263.25	1	1	1	1	1	1	1	1	1	1	1	1
1/4	2,541.01	1/4	2,794.05	1/4	3,037.86	1/4	3,267.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,546.29	1/2	2,799.26	1/2	3,042.79	1/2	3,272.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,551.57	3/4	2,804.48	3/4	3,047.72	3/4	3,277.06	3/4		3/4		3/4		3/4		3/4		3/4	
2	2,556.85	2	2,809.70	2	3,052.66	2	3,281.66	2	2	2	2	2	2	2	2	2	2	2	2
1/4	2,562.12	1/4	2,814.89	1/4	3,057.57	1/4	3,286.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,567.40	1/2	2,820.09	1/2	3,062.48	1/2	3,290.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,572.68	3/4	2,825.28	3/4	3,067.39	3/4	3,295.41	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,577.95	3	2,830.48	3	3,072.30	3	3,299.99	3	3	3	3	3	3	3	3	3	3	3	3
1/4	2,583.23	1/4	2,835.65	1/4	3,077.19	1/4	3,304.55	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,588.51	1/2	2,840.82	1/2	3,082.08	1/2	3,309.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,593.79	3/4	2,846.00	3/4	3,086.97	3/4	3,313.67	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,599.06	4	2,851.17	4	3,091.86	4	3,318.22	4	4	4	4	4	4	4	4	4	4	4	4
1/4	2,604.34	1/4	2,856.31	1/4	3,096.73	1/4	3,322.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,609.62	1/2	2,861.46	1/2	3,101.59	1/2	3,327.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,614.90	3/4	2,866.61	3/4	3,106.46	3/4	3,332.02	3/4		3/4		3/4		3/4		3/4		3/4	
5	2,620.17	5	2,871.75	5	3,111.32	5	3,336.62	5	5	5	5	5	5	5	5	5	5	5	5
1/4	2,625.45	1/4	2,876.87	1/4	3,116.17	1/4	3,341.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,630.73	1/2	2,881.99	1/2	3,121.01	1/2	3,345.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,636.00	3/4	2,887.10	3/4	3,125.85	3/4	3,350.27	3/4		3/4		3/4		3/4		3/4		3/4	
6	2,641.28	6	2,892.22	6	3,130.70	6	3,354.82	6	6	6	6	6	6	6	6	6	6	6	6
1/4	2,646.56	1/4	2,897.31	1/4	3,135.52	1/4	3,358.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,651.84	1/2	2,902.40	1/2	3,140.34	1/2	3,362.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,657.11	3/4	2,907.50	3/4	3,145.16	3/4	3,365.83	3/4		3/4		3/4		3/4		3/4		3/4	
7	2,662.39	7	2,912.59	7	3,149.98	7	3,369.50	7	7	7	7	7	7	7	7	7	7	7	7
1/4	2,667.67	1/4	2,917.66	1/4	3,154.78	1/4	3,372.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,672.94	1/2	2,922.73	1/2	3,159.58	1/2	3,375.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,678.22	3/4	2,927.80	3/4	3,164.37	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,683.50	8	2,932.87	8	3,169.17	8		8	8	8	8	8	8	8	8	8	8	8	8
1/4	2,688.78	1/4	2,937.92	1/4	3,173.95	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,694.05	1/2	2,942.97	1/2	3,178.72	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,699.33	3/4	2,948.02	3/4	3,183.50	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,704.61	9	2,953.07	9	3,188.27	9		9	9	9	9	9	9	9	9	9	9	9	9
1/4	2,709.88	1/4	2,958.09	1/4	3,193.02	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,715.16	1/2	2,963.12	1/2	3,197.78	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,720.44	3/4	2,968.14	3/4	3,202.53	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,725.72	10	2,973.17	10	3,207.28	10		10	10	10	10	10	10	10	10	10	10	10	10
1/4	2,730.99	1/4	2,978.17	1/4	3,212.00	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,736.27	1/2	2,983.17	1/2	3,216.71	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,741.54	3/4	2,988.17	3/4	3,221.43	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,746.82	11	2,993.18	11	3,226.14	11		11	11	11	11	11	11	11	11	11	11	11	11
1/4	2,752.08	1/4	2,998.16	1/4	3,230.79	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,757.34	1/2	3,003.13	1/2	3,235.44	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,762.61	3/4	3,008.11	3/4	3,240.09	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 11/01/2007 SW- CL
RECOMPUTED: 11/07/2017 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2017

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 18700"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

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	14.58	0	255.65	0	503.17	0	755.59	0	1,007.15	0	1,258.69	0	1,510.48	0	1,763.62	0	2,016.75	0	2,269.88
1/4	18.20	1/4	260.92	1/4	508.44	1/4	760.84	1/4	1,012.42	1/4	1,263.85	1/4	1,515.76	1/4	1,768.89	1/4	2,022.02	1/4	2,275.16
1/2	21.83	1/2	266.19	1/2	513.72	1/2	766.09	1/2	1,017.70	1/2	1,269.01	1/2	1,521.03	1/2	1,774.16	1/2	2,027.30	1/2	2,280.43
3/4	25.45	3/4	271.47	3/4	518.99	3/4	771.34	3/4	1,022.97	3/4	1,274.15	3/4	1,526.31	3/4	1,779.44	3/4	2,032.57	3/4	2,285.70
1	29.08	1	276.74	1	524.26	1	776.59	1	1,028.24	1	1,279.30	1	1,531.58	1	1,784.71	1	2,037.84	1	2,290.98
1/4	33.82	1/4	282.00	1/4	529.54	1/4	781.83	1/4	1,033.52	1/4	1,284.45	1/4	1,536.85	1/4	1,789.99	1/4	2,043.12	1/4	2,296.25
1/2	38.57	1/2	287.27	1/2	534.81	1/2	787.06	1/2	1,038.79	1/2	1,289.60	1/2	1,542.13	1/2	1,795.26	1/2	2,048.39	1/2	2,301.52
3/4	43.31	3/4	292.53	3/4	540.08	3/4	792.30	3/4	1,044.06	3/4	1,294.76	3/4	1,547.40	3/4	1,800.53	3/4	2,053.67	3/4	2,306.80
2	48.06	2	297.80	2	545.36	2	797.53	2	1,049.34	2	1,299.91	2	1,552.67	2	1,805.81	2	2,058.94	2	2,312.07
1/4	53.20	1/4	303.06	1/4	550.63	1/4	802.70	1/4	1,054.61	1/4	1,305.09	1/4	1,557.95	1/4	1,811.08	1/4	2,064.21	1/4	2,317.35
1/2	58.35	1/2	308.33	1/2	555.90	1/2	807.88	1/2	1,059.89	1/2	1,310.27	1/2	1,563.22	1/2	1,816.35	1/2	2,069.49	1/2	2,322.62
3/4	63.49	3/4	313.59	3/4	561.17	3/4	813.05	3/4	1,065.16	3/4	1,315.45	3/4	1,568.49	3/4	1,821.63	3/4	2,074.76	3/4	2,327.89
3	68.64	3	318.86	3	566.45	3	818.23	3	1,070.43	3	1,320.63	3	1,573.77	3	1,826.90	3	2,080.03	3	2,333.17
1/4	73.77	1/4	324.12	1/4	571.72	1/4	823.42	1/4	1,075.71	1/4	1,325.91	1/4	1,579.04	1/4	1,832.17	1/4	2,085.31	1/4	2,338.44
1/2	78.90	1/2	329.39	1/2	576.99	1/2	828.61	1/2	1,080.98	1/2	1,331.18	1/2	1,584.31	1/2	1,837.45	1/2	2,090.58	1/2	2,343.71
3/4	84.03	3/4	334.65	3/4	582.27	3/4	833.80	3/4	1,086.25	3/4	1,336.46	3/4	1,589.59	3/4	1,842.72	3/4	2,095.85	3/4	2,348.99
4	89.15	4	339.92	4	587.54	4	838.99	4	1,091.53	4	1,341.73	4	1,594.86	4	1,847.99	4	2,101.13	4	2,354.26
1/4	94.30	1/4	345.13	1/4	592.81	1/4	844.17	1/4	1,096.80	1/4	1,347.00	1/4	1,600.14	1/4	1,853.27	1/4	2,106.40	1/4	2,359.53
1/2	99.44	1/2	350.34	1/2	598.08	1/2	849.36	1/2	1,102.07	1/2	1,352.28	1/2	1,605.41	1/2	1,858.54	1/2	2,111.67	1/2	2,364.81
3/4	104.58	3/4	355.54	3/4	603.34	3/4	854.55	3/4	1,107.35	3/4	1,357.55	3/4	1,610.68	3/4	1,863.82	3/4	2,116.95	3/4	2,370.08
5	109.72	5	360.75	5	608.61	5	859.74	5	1,112.62	5	1,362.82	5	1,615.96	5	1,869.09	5	2,122.22	5	2,375.35
1/4	114.87	1/4	365.80	1/4	613.86	1/4	864.95	1/4	1,117.89	1/4	1,368.10	1/4	1,621.23	1/4	1,874.36	1/4	2,127.50	1/4	2,380.63
1/2	120.01	1/2	370.84	1/2	619.11	1/2	870.16	1/2	1,123.17	1/2	1,373.37	1/2	1,626.50	1/2	1,879.64	1/2	2,132.77	1/2	2,385.90
3/4	125.16	3/4	375.88	3/4	624.36	3/4	875.37	3/4	1,128.44	3/4	1,378.64	3/4	1,631.78	3/4	1,884.91	3/4	2,138.04	3/4	2,391.18
6	130.30	6	380.92	6	629.61	6	880.58	6	1,133.72	6	1,383.92	6	1,637.05	6	1,890.18	6	2,143.32	6	2,396.45
1/4	135.45	1/4	385.96	1/4	634.86	1/4	885.86	1/4	1,138.99	1/4	1,389.19	1/4	1,642.32	1/4	1,895.46	1/4	2,148.59	1/4	2,401.72
1/2	140.60	1/2	391.00	1/2	640.11	1/2	891.13	1/2	1,144.26	1/2	1,394.47	1/2	1,647.60	1/2	1,900.73	1/2	2,153.86	1/2	2,407.00
3/4	145.75	3/4	396.04	3/4	645.36	3/4	896.40	3/4	1,149.54	3/4	1,399.74	3/4	1,652.87	3/4	1,906.00	3/4	2,159.14	3/4	2,412.27
7	150.90	7	401.08	7	650.61	7	901.68	7	1,154.81	7	1,405.01	7	1,658.15	7	1,911.28	7	2,164.41	7	2,417.54
1/4	156.07	1/4	406.13	1/4	655.85	1/4	906.95	1/4	1,160.08	1/4	1,410.29	1/4	1,663.42	1/4	1,916.55	1/4	2,169.68	1/4	2,422.82
1/2	161.24	1/2	411.17	1/2	661.10	1/2	912.22	1/2	1,165.36	1/2	1,415.56	1/2	1,668.69	1/2	1,921.83	1/2	2,174.96	1/2	2,428.09
3/4	166.40	3/4	416.21	3/4	666.35	3/4	917.50	3/4	1,170.63	3/4	1,420.83	3/4	1,673.97	3/4	1,927.10	3/4	2,180.23	3/4	2,433.36
8	171.57	8	421.26	8	671.60	8	922.77	8	1,175.90	8	1,426.11	8	1,679.24	8	1,932.37	8	2,185.51	8	2,438.64
1/4	176.79	1/4	426.31	1/4	676.85	1/4	928.05	1/4	1,181.15	1/4	1,431.38	1/4	1,684.51	1/4	1,937.65	1/4	2,190.78	1/4	2,443.91
1/2	182.02	1/2	431.36	1/2	682.10	1/2	933.32	1/2	1,186.39	1/2	1,436.65	1/2	1,689.79	1/2	1,942.92	1/2	2,196.05	1/2	2,449.19
3/4	187.24	3/4	436.41	3/4	687.35	3/4	938.59	3/4	1,191.63	3/4	1,441.93	3/4	1,695.06	3/4	1,948.19	3/4	2,201.33	3/4	2,454.46
9	192.46	9	441.46	9	692.60	9	943.87	9	1,196.88	9	1,447.20	9	1,700.33	9	1,953.47	9	2,206.60	9	2,459.73
1/4	197.73	1/4	446.51	1/4	697.85	1/4	949.14	1/4	1,202.03	1/4	1,452.47	1/4	1,705.61	1/4	1,958.74	1/4	2,211.87	1/4	2,465.01
1/2	202.99	1/2	451.55	1/2	703.10	1/2	954.41	1/2	1,207.18	1/2	1,457.75	1/2	1,710.88	1/2	1,964.01	1/2	2,217.15	1/2	2,470.28
3/4	208.26	3/4	456.60	3/4	708.35	3/4	959.69	3/4	1,212.33	3/4	1,463.02	3/4	1,716.15	3/4	1,969.29	3/4	2,222.42	3/4	2,475.55
10	213.52	10	461.65	10	713.60	10	964.96	10	1,217.48	10	1,468.30	10	1,721.43	10	1,974.56	10	2,227.69	10	2,480.83
1/4	218.79	1/4	466.76	1/4	718.85	1/4	970.23	1/4	1,222.63	1/4	1,473.57	1/4	1,726.70	1/4	1,979.83	1/4	2,232.97	1/4	2,486.10
1/2	224.05	1/2	471.86	1/2	724.10	1/2	975.51	1/2	1,227.78	1/2	1,478.84	1/2	1,731.98	1/2	1,985.11	1/2	2,238.24	1/2	2,491.37
3/4	229.32	3/4	476.97	3/4	729.35	3/4	980.78	3/4	1,232.94	3/4	1,484.12	3/4	1,737.25	3/4	1,990.38	3/4	2,243.51	3/4	2,496.65
11	234.58	11	482.08	11	734.60	11	986.05	11	1,238.09	11	1,489.39	11	1,742.52	11	1,995.66	11	2,248.79	11	2,501.92
1/4	239.85	1/4	487.35	1/4	739.84	1/4	991.33	1/4	1,243.24	1/4	1,494.66	1/4	1,747.80	1/4	2,000.93	1/4	2,254.06	1/4	2,507.19
1/2	245.12	1/2	492.62	1/2	745.09	1/2	996.60	1/2	1,248.39	1/2	1,499.94	1/2	1,753.07	1/2	2,006.20	1/2	2,259.34	1/2	2,512.47
3/4	250.39	3/4	497.90	3/4	750.34	3/4	1,001.88	3/4	1,253.54	3/4	1,505.21	3/4	1,758.34	3/4	2,011.48	3/4	2,264.61	3/4	2,517.74

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

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 TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE OR 2" STANDPIPE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 34'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 18700"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

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	2,523.02	0	2,776.08	0	3,021.13	0	3,252.60	0		0		0		0		0		0	
1/4	2,528.29	1/4	2,781.31	1/4	3,026.08	1/4	3,257.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,533.56	1/2	2,786.55	1/2	3,031.03	1/2	3,261.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,538.84	3/4	2,791.79	3/4	3,035.99	3/4	3,266.47	3/4		3/4		3/4		3/4		3/4		3/4	
1	2,544.11	1	2,797.02	1	3,040.94	1	3,271.09	1		1		1		1		1		1	
1/4	2,549.38	1/4	2,802.24	1/4	3,045.87	1/4	3,275.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,554.66	1/2	2,807.45	1/2	3,050.80	1/2	3,280.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,559.93	3/4	2,812.66	3/4	3,055.73	3/4	3,284.89	3/4		3/4		3/4		3/4		3/4		3/4	
2	2,565.20	2	2,817.88	2	3,060.66	2	3,289.49	2		2		2		2		2		2	
1/4	2,570.48	1/4	2,823.07	1/4	3,065.57	1/4	3,294.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,575.75	1/2	2,828.26	1/2	3,070.48	1/2	3,298.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,581.03	3/4	2,833.45	3/4	3,075.39	3/4	3,303.23	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,586.30	3	2,838.64	3	3,080.29	3	3,307.81	3		3		3		3		3		3	
1/4	2,591.57	1/4	2,843.81	1/4	3,085.18	1/4	3,312.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,596.85	1/2	2,848.98	1/2	3,090.06	1/2	3,316.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,602.12	3/4	2,854.15	3/4	3,094.95	3/4	3,321.47	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,607.39	4	2,859.32	4	3,099.84	4	3,326.03	4		4		4		4		4		4	
1/4	2,612.67	1/4	2,864.46	1/4	3,104.70	1/4	3,330.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,617.94	1/2	2,869.60	1/2	3,109.56	1/2	3,335.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,623.21	3/4	2,874.75	3/4	3,114.42	3/4	3,339.81	3/4		3/4		3/4		3/4		3/4		3/4	
5	2,628.49	5	2,879.89	5	3,119.29	5	3,344.41	5		5		5		5		5		5	
1/4	2,633.76	1/4	2,885.00	1/4	3,124.12	1/4	3,348.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,639.03	1/2	2,890.11	1/2	3,128.96	1/2	3,353.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,644.31	3/4	2,895.23	3/4	3,133.80	3/4	3,358.05	3/4		3/4		3/4		3/4		3/4		3/4	
6	2,649.58	6	2,900.34	6	3,138.64	6	3,362.60	6		6		6		6		6		6	
1/4	2,654.86	1/4	2,905.43	1/4	3,143.46	1/4	3,366.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,660.13	1/2	2,910.52	1/2	3,148.28	1/2	3,369.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,665.40	3/4	2,915.61	3/4	3,153.09	3/4	3,373.60	3/4		3/4		3/4		3/4		3/4		3/4	
7	2,670.68	7	2,920.70	7	3,157.91	7	3,377.27	7		7		7		7		7		7	
1/4	2,675.95	1/4	2,925.76	1/4	3,162.71	1/4	3,380.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,681.22	1/2	2,930.83	1/2	3,167.50	1/2	3,382.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,686.50	3/4	2,935.90	3/4	3,172.29	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,691.77	8	2,940.97	8	3,177.09	8		8		8		8		8		8		8	
1/4	2,697.04	1/4	2,946.01	1/4	3,181.86	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,702.32	1/2	2,951.05	1/2	3,186.63	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,707.59	3/4	2,956.10	3/4	3,191.40	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,712.87	9	2,961.14	9	3,196.17	9		9		9		9		9		9		9	
1/4	2,718.14	1/4	2,966.16	1/4	3,200.92	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,723.41	1/2	2,971.19	1/2	3,205.67	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,728.69	3/4	2,976.21	3/4	3,210.42	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,733.96	10	2,981.23	10	3,215.17	10		10		10		10		10		10		10	
1/4	2,739.23	1/4	2,986.23	1/4	3,219.88	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,744.50	1/2	2,991.23	1/2	3,224.59	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,749.77	3/4	2,996.22	3/4	3,229.30	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,755.04	11	3,001.22	11	3,234.02	11		11		11		11		11		11		11	
1/4	2,760.30	1/4	3,006.20	1/4	3,238.66	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,765.56	1/2	3,011.18	1/2	3,243.31	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,770.82	3/4	3,016.15	3/4	3,247.95	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 11/01/2007 SW- CL
RECOMPUTED: 11/07/2017 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2017

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 18700"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

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	2,388.17	0	2,470.78	0	2,544.54	0	2,604.99	0		0		0		0		0		0	
1/4	2,389.89	1/4	2,472.44	1/4	2,545.93	1/4	2,606.08	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,391.62	1/2	2,474.10	1/2	2,547.31	1/2	2,607.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,393.35	3/4	2,475.77	3/4	2,548.70	3/4	2,608.28	3/4		3/4		3/4		3/4		3/4		3/4	
1	2,395.07	1	2,477.43	1	2,550.09	1	2,609.37	1		1		1		1		1		1	
1/4	2,396.80	1/4	2,479.07	1/4	2,551.46	1/4	2,610.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,398.52	1/2	2,480.71	1/2	2,552.82	1/2	2,611.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,400.25	3/4	2,482.35	3/4	2,554.19	3/4	2,612.59	3/4		3/4		3/4		3/4		3/4		3/4	
2	2,401.98	2	2,483.99	2	2,555.55	2	2,613.66	2		2		2		2		2		2	
1/4	2,403.70	1/4	2,485.61	1/4	2,556.90	1/4	2,614.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,405.43	1/2	2,487.23	1/2	2,558.24	1/2	2,615.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,407.15	3/4	2,488.85	3/4	2,559.58	3/4	2,616.84	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,408.88	3	2,490.47	3	2,560.92	3	2,617.90	3		3		3		3		3		3	
1/4	2,410.61	1/4	2,492.06	1/4	2,562.24	1/4	2,618.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,412.33	1/2	2,493.65	1/2	2,563.56	1/2	2,620.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,414.06	3/4	2,495.25	3/4	2,564.88	3/4	2,621.16	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,415.78	4	2,496.84	4	2,566.20	4	2,622.25	4		4		4		4		4		4	
1/4	2,417.51	1/4	2,498.41	1/4	2,567.50	1/4	2,623.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,419.24	1/2	2,499.98	1/2	2,568.80	1/2	2,624.13	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,420.96	3/4	2,501.55	3/4	2,570.10	3/4	2,625.06	3/4		3/4		3/4		3/4		3/4		3/4	
5	2,422.69	5	2,503.12	5	2,571.39	5	2,626.00	5		5		5		5		5		5	
1/4	2,424.42	1/4	2,504.67	1/4	2,572.67	1/4	2,626.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,426.14	1/2	2,506.22	1/2	2,573.94	1/2	2,626.39	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,427.87	3/4	2,507.77	3/4	2,575.22	3/4	2,626.59	3/4		3/4		3/4		3/4		3/4		3/4	
6	2,429.59	6	2,509.31	6	2,576.49	6	2,626.78	6		6		6		6		6		6	
1/4	2,431.32	1/4	2,510.84	1/4	2,577.74	1/4	2,627.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,433.05	1/2	2,512.36	1/2	2,579.00	1/2	2,627.30	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,434.77	3/4	2,513.89	3/4	2,580.25	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,436.50	7	2,515.41	7	2,581.50	7		7		7		7		7		7		7	
1/4	2,438.22	1/4	2,516.91	1/4	2,582.73	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,439.95	1/2	2,518.41	1/2	2,583.96	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,441.68	3/4	2,519.92	3/4	2,585.19	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,443.40	8	2,521.42	8	2,586.42	8		8		8		8		8		8		8	
1/4	2,445.13	1/4	2,522.90	1/4	2,587.62	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,446.85	1/2	2,524.38	1/2	2,588.83	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,448.58	3/4	2,525.86	3/4	2,590.03	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,450.31	9	2,527.33	9	2,591.24	9		9		9		9		9		9		9	
1/4	2,452.03	1/4	2,528.79	1/4	2,592.42	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,453.75	1/2	2,530.25	1/2	2,593.59	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,455.47	3/4	2,531.70	3/4	2,594.77	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,457.19	10	2,533.16	10	2,595.95	10		10		10		10		10		10		10	
1/4	2,458.90	1/4	2,534.59	1/4	2,597.09	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,460.61	1/2	2,536.03	1/2	2,598.23	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,462.32	3/4	2,537.46	3/4	2,599.37	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,464.03	11	2,538.89	11	2,600.51	11		11		11		11		11		11		11	
1/4	2,465.72	1/4	2,540.31	1/4	2,601.63	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,467.40	1/2	2,541.72	1/2	2,602.75	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,469.09	3/4	2,543.13	3/4	2,603.87	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 11/01/2007 SW- CL
RECOMPUTED: 11/07/2017 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2017

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 18700"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

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	2,410.98	0	2,493.59	0	2,567.35	0	2,627.80	0		0		0		0		0		0	
1/4	2,412.71	1/4	2,495.25	1/4	2,568.74	1/4	2,628.90	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,414.43	1/2	2,496.92	1/2	2,570.13	1/2	2,630.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,416.16	3/4	2,498.59	3/4	2,571.52	3/4	2,631.10	3/4		3/4		3/4		3/4		3/4		3/4	
1	2,417.88	1	2,500.24	1	2,572.90	1	2,632.18	1		1		1		1		1		1	
1/4	2,419.61	1/4	2,501.89	1/4	2,574.27	1/4	2,633.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,421.34	1/2	2,503.53	1/2	2,575.64	1/2	2,634.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,423.06	3/4	2,505.17	3/4	2,577.01	3/4	2,635.41	3/4		3/4		3/4		3/4		3/4		3/4	
2	2,424.79	2	2,506.81	2	2,578.37	2	2,636.48	2		2		2		2		2		2	
1/4	2,426.51	1/4	2,508.43	1/4	2,579.71	1/4	2,637.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,428.24	1/2	2,510.05	1/2	2,581.06	1/2	2,638.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,429.97	3/4	2,511.67	3/4	2,582.40	3/4	2,639.64	3/4		3/4		3/4		3/4		3/4		3/4	
3	2,431.69	3	2,513.28	3	2,583.74	3	2,640.71	3		3		3		3		3		3	
1/4	2,433.42	1/4	2,514.87	1/4	2,585.06	1/4	2,641.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,435.14	1/2	2,516.47	1/2	2,586.38	1/2	2,642.90	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,436.87	3/4	2,518.07	3/4	2,587.70	3/4	2,643.99	3/4		3/4		3/4		3/4		3/4		3/4	
4	2,438.60	4	2,519.66	4	2,589.02	4	2,645.06	4		4		4		4		4		4	
1/4	2,440.32	1/4	2,521.23	1/4	2,590.32	1/4	2,646.11	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,442.05	1/2	2,522.80	1/2	2,591.62	1/2	2,647.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,443.78	3/4	2,524.37	3/4	2,592.92	3/4	2,648.20	3/4		3/4		3/4		3/4		3/4		3/4	
5	2,445.50	5	2,525.94	5	2,594.21	5	2,648.81	5		5		5		5		5		5	
1/4	2,447.23	1/4	2,527.49	1/4	2,595.48	1/4	2,648.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,448.95	1/2	2,529.04	1/2	2,596.76	1/2	2,649.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,450.68	3/4	2,530.59	3/4	2,598.04	3/4	2,649.33	3/4		3/4		3/4		3/4		3/4		3/4	
6	2,452.41	6	2,532.12	6	2,599.30	6	2,649.49	6		6		6		6		6		6	
1/4	2,454.13	1/4	2,533.65	1/4	2,600.56	1/4	2,649.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,455.86	1/2	2,535.18	1/2	2,601.81	1/2	2,649.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,457.58	3/4	2,536.71	3/4	2,603.07	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	2,459.31	7	2,538.22	7	2,604.31	7		7		7		7		7		7		7	
1/4	2,461.04	1/4	2,539.73	1/4	2,605.54	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,462.76	1/2	2,541.23	1/2	2,606.77	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,464.49	3/4	2,542.74	3/4	2,608.01	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	2,466.21	8	2,544.23	8	2,609.23	8		8		8		8		8		8		8	
1/4	2,467.94	1/4	2,545.71	1/4	2,610.44	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,469.67	1/2	2,547.19	1/2	2,611.65	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,471.39	3/4	2,548.68	3/4	2,612.85	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	2,473.12	9	2,550.15	9	2,614.05	9		9		9		9		9		9		9	
1/4	2,474.84	1/4	2,551.61	1/4	2,615.23	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,476.56	1/2	2,553.06	1/2	2,616.41	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,478.29	3/4	2,554.52	3/4	2,617.60	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	2,480.01	10	2,555.97	10	2,618.76	10		10		10		10		10		10		10	
1/4	2,481.72	1/4	2,557.41	1/4	2,619.90	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,483.43	1/2	2,558.84	1/2	2,621.05	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,485.14	3/4	2,560.28	3/4	2,622.19	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	2,486.84	11	2,561.71	11	2,623.32	11		11		11		11		11		11		11	
1/4	2,488.53	1/4	2,563.12	1/4	2,624.45	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,490.22	1/2	2,564.53	1/2	2,625.57	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,491.91	3/4	2,565.95	3/4	2,626.69	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 11/01/2007 SW- CL
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BARGE "KIRBY 18700"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE 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	0	2,319	0	4,638	0	6,957	0	9,276	0	11,595	0	13,914	0		0		0	
1/4	48	1/4	2,367	1/4	4,686	1/4	7,005	1/4	9,324	1/4	11,643	1/4	13,962	1/4		1/4		1/4	
1/2	97	1/2	2,416	1/2	4,735	1/2	7,054	1/2	9,372	1/2	11,691	1/2	14,010	1/2		1/2		1/2	
3/4	145	3/4	2,464	3/4	4,783	3/4	7,102	3/4	9,421	3/4	11,740	3/4	14,059	3/4		3/4		3/4	
1	193	1	2,512	1	4,831	1	7,150	1	9,469	1	11,788	1	14,107	1		1		1	
1/4	242	1/4	2,561	1/4	4,879	1/4	7,198	1/4	9,517	1/4	11,836	1/4	14,155	1/4		1/4		1/4	
1/2	290	1/2	2,609	1/2	4,928	1/2	7,247	1/2	9,566	1/2	11,885	1/2	14,204	1/2		1/2		1/2	
3/4	338	3/4	2,657	3/4	4,976	3/4	7,295	3/4	9,614	3/4	11,933	3/4	14,252	3/4		3/4		3/4	
2	386	2	2,705	2	5,024	2	7,343	2	9,662	2	11,981	2	14,300	2		2		2	
1/4	435	1/4	2,754	1/4	5,073	1/4	7,392	1/4	9,711	1/4	12,030	1/4	14,349	1/4		1/4		1/4	
1/2	483	1/2	2,802	1/2	5,121	1/2	7,440	1/2	9,759	1/2	12,078	1/2	14,397	1/2		1/2		1/2	
3/4	531	3/4	2,850	3/4	5,169	3/4	7,488	3/4	9,807	3/4	12,126	3/4	14,445	3/4		3/4		3/4	
3	580	3	2,899	3	5,218	3	7,537	3	9,856	3	12,175	3	14,494	3		3		3	
1/4	628	1/4	2,947	1/4	5,266	1/4	7,585	1/4	9,904	1/4	12,223	1/4		1/4		1/4		1/4	
1/2	676	1/2	2,995	1/2	5,314	1/2	7,633	1/2	9,952	1/2	12,271	1/2		1/2		1/2		1/2	
3/4	725	3/4	3,044	3/4	5,363	3/4	7,682	3/4	10,001	3/4	12,319	3/4		3/4		3/4		3/4	
4	773	4	3,092	4	5,411	4	7,730	4	10,049	4	12,368	4		4		4		4	
1/4	821	1/4	3,140	1/4	5,459	1/4	7,778	1/4	10,097	1/4	12,416	1/4		1/4		1/4		1/4	
1/2	870	1/2	3,189	1/2	5,508	1/2	7,826	1/2	10,145	1/2	12,464	1/2		1/2		1/2		1/2	
3/4	918	3/4	3,237	3/4	5,556	3/4	7,875	3/4	10,194	3/4	12,513	3/4		3/4		3/4		3/4	
5	966	5	3,285	5	5,604	5	7,923	5	10,242	5	12,561	5		5		5		5	
1/4	1,015	1/4	3,334	1/4	5,652	1/4	7,971	1/4	10,290	1/4	12,609	1/4		1/4		1/4		1/4	
1/2	1,063	1/2	3,382	1/2	5,701	1/2	8,020	1/2	10,339	1/2	12,658	1/2		1/2		1/2		1/2	
3/4	1,111	3/4	3,430	3/4	5,749	3/4	8,068	3/4	10,387	3/4	12,706	3/4		3/4		3/4		3/4	
6	1,159	6	3,478	6	5,797	6	8,116	6	10,435	6	12,754	6		6		6		6	
1/4	1,208	1/4	3,527	1/4	5,846	1/4	8,165	1/4	10,484	1/4	12,803	1/4		1/4		1/4		1/4	
1/2	1,256	1/2	3,575	1/2	5,894	1/2	8,213	1/2	10,532	1/2	12,851	1/2		1/2		1/2		1/2	
3/4	1,304	3/4	3,623	3/4	5,942	3/4	8,261	3/4	10,580	3/4	12,899	3/4		3/4		3/4		3/4	
7	1,353	7	3,672	7	5,991	7	8,310	7	10,629	7	12,948	7		7		7		7	
1/4	1,401	1/4	3,720	1/4	6,039	1/4	8,358	1/4	10,677	1/4	12,996	1/4		1/4		1/4		1/4	
1/2	1,449	1/2	3,768	1/2	6,087	1/2	8,406	1/2	10,725	1/2	13,044	1/2		1/2		1/2		1/2	
3/4	1,498	3/4	3,817	3/4	6,136	3/4	8,455	3/4	10,774	3/4	13,092	3/4		3/4		3/4		3/4	
8	1,546	8	3,865	8	6,184	8	8,503	8	10,822	8	13,141	8		8		8		8	
1/4	1,594	1/4	3,913	1/4	6,232	1/4	8,551	1/4	10,870	1/4	13,189	1/4		1/4		1/4		1/4	
1/2	1,643	1/2	3,962	1/2	6,281	1/2	8,599	1/2	10,918	1/2	13,237	1/2		1/2		1/2		1/2	
3/4	1,691	3/4	4,010	3/4	6,329	3/4	8,648	3/4	10,967	3/4	13,286	3/4		3/4		3/4		3/4	
9	1,739	9	4,058	9	6,377	9	8,696	9	11,015	9	13,334	9		9		9		9	
1/4	1,788	1/4	4,106	1/4	6,425	1/4	8,744	1/4	11,063	1/4	13,382	1/4		1/4		1/4		1/4	
1/2	1,836	1/2	4,155	1/2	6,474	1/2	8,793	1/2	11,112	1/2	13,431	1/2		1/2		1/2		1/2	
3/4	1,884	3/4	4,203	3/4	6,522	3/4	8,841	3/4	11,160	3/4	13,479	3/4		3/4		3/4		3/4	
10	1,932	10	4,251	10	6,570	10	8,889	10	11,208	10	13,527	10		10		10		10	
1/4	1,981	1/4	4,300	1/4	6,619	1/4	8,938	1/4	11,257	1/4	13,576	1/4		1/4		1/4		1/4	
1/2	2,029	1/2	4,348	1/2	6,667	1/2	8,986	1/2	11,305	1/2	13,624	1/2		1/2		1/2		1/2	
3/4	2,077	3/4	4,396	3/4	6,715	3/4	9,034	3/4	11,353	3/4	13,672	3/4		3/4		3/4		3/4	
11	2,126	11	4,445	11	6,764	11	9,083	11	11,402	11	13,721	11		11		11		11	
1/4	2,174	1/4	4,493	1/4	6,812	1/4	9,131	1/4	11,450	1/4	13,769	1/4		1/4		1/4		1/4	
1/2	2,222	1/2	4,541	1/2	6,860	1/2	9,179	1/2	11,498	1/2	13,817	1/2		1/2		1/2		1/2	
3/4	2,271	3/4	4,590	3/4	6,909	3/4	9,228	3/4	11,546	3/4	13,865	3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
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

STRAPPED: 01/13/2023
CALCULATED: 01/13/2023 CL
PRINTED: 01/13/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2017

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