



BARGE "KIRBY 29123"

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	00-3/8	- 00-3/8	00-5/8	- 00-5/8	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-0/8	- 02-0/8
1 STBD	00-3/8	- 00-3/8	00-5/8	- 00-5/8	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-0/8	- 02-0/8
2 PORT	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-0/8	- 02-0/8	02-1/2	- 02-1/2
2 STBD	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-1/2	- 02-1/2
3 PORT	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-1/2	- 01-1/2	02-0/8	- 02-0/8	02-3/8	- 02-3/8
3 STBD	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-1/2	- 01-1/2	02-0/8	- 02-0/8	02-3/8	- 02-3/8

(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 - 00-5/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 3/8"

LENGTH BETWEEN DRAFT MARKS: 261'-00"

November 14, 2014

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29123"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4		1/4		1/4		1/4	4,946.24	1/4	4,614.51	1/4	4,276.16	1/4	3,921.36	1/4	3,550.63	1/4	3,175.08	1/4	2,798.00
1/2		1/2		1/2		1/2	4,940.88	1/2	4,607.63	1/2	4,268.94	1/2	3,913.79	1/2	3,542.81	1/2	3,167.22	1/2	2,790.14
3/4		3/4		3/4		3/4	4,935.51	3/4	4,600.76	3/4	4,261.72	3/4	3,906.23	3/4	3,534.99	3/4	3,159.37	3/4	2,782.28
1	1	1	1	1	1	1	4,928.85	1	4,593.85	1	4,254.47	1	3,898.63	1	3,527.17	1	3,151.51	1	2,774.43
1/4		1/4		1/4		1/4	4,922.19	1/4	4,586.95	1/4	4,247.22	1/4	3,891.04	1/4	3,519.35	1/4	3,143.66	1/4	2,766.57
1/2		1/2		1/2		1/2	4,915.53	1/2	4,580.04	1/2	4,239.97	1/2	3,883.44	1/2	3,511.53	1/2	3,135.80	1/2	2,758.72
3/4		3/4		3/4		3/4	4,908.87	3/4	4,573.14	3/4	4,232.73	3/4	3,875.85	3/4	3,503.71	3/4	3,127.94	3/4	2,750.86
2	2	2	2	2	2	2	4,901.27	2	4,566.21	2	4,225.45	2	3,868.23	2	3,495.89	2	3,120.09	2	2,743.01
1/4		1/4		1/4		1/4	4,893.68	1/4	4,559.27	1/4	4,218.18	1/4	3,860.61	1/4	3,488.06	1/4	3,112.23	1/4	2,735.15
1/2		1/2		1/2		1/2	4,886.09	1/2	4,552.34	1/2	4,210.90	1/2	3,852.99	1/2	3,480.24	1/2	3,104.38	1/2	2,727.29
3/4		3/4		3/4		3/4	4,878.50	3/4	4,545.41	3/4	4,203.62	3/4	3,845.37	3/4	3,472.42	3/4	3,096.52	3/4	2,719.44
3	3	3	3	3	3	3	4,870.68	3	4,538.45	3	4,196.32	3	3,837.72	3	3,464.60	3	3,088.67	3	2,711.58
1/4		1/4		1/4		1/4	4,862.86	1/4	4,531.48	1/4	4,189.01	1/4	3,830.08	1/4	3,456.78	1/4	3,080.81	1/4	2,703.73
1/2		1/2		1/2		1/2	4,855.03	1/2	4,524.52	1/2	4,181.71	1/2	3,822.43	1/2	3,448.96	1/2	3,072.95	1/2	2,695.87
3/4		3/4		3/4		3/4	4,847.21	3/4	4,517.56	3/4	4,174.40	3/4	3,814.78	3/4	3,441.14	3/4	3,065.10	3/4	2,688.01
4	4	4	4	4	4	4	4,839.82	4	4,510.57	4	4,167.07	4	3,807.11	4	3,433.32	4	3,057.24	4	2,680.16
1/4		1/4		1/4		1/4	4,832.44	1/4	4,503.58	1/4	4,159.74	1/4	3,799.43	1/4	3,425.50	1/4	3,049.39	1/4	2,672.30
1/2		1/2		1/2		1/2	4,825.05	1/2	4,496.59	1/2	4,152.40	1/2	3,791.75	1/2	3,417.67	1/2	3,041.53	1/2	2,664.45
3/4		3/4		3/4		3/4	4,817.66	3/4	4,489.60	3/4	4,145.07	3/4	3,784.07	3/4	3,409.85	3/4	3,033.67	3/4	2,656.59
5	5	5	5	5	5	5	4,810.98	5	4,482.58	5	4,137.71	5	3,776.37	5	3,402.03	5	3,025.82	5	2,648.73
1/4		1/4		1/4		1/4	4,804.30	1/4	4,475.56	1/4	4,130.35	1/4	3,768.67	1/4	3,394.21	1/4	3,017.96	1/4	2,640.88
1/2		1/2		1/2		1/2	4,797.63	1/2	4,468.54	1/2	4,122.98	1/2	3,760.96	1/2	3,386.39	1/2	3,010.11	1/2	2,633.02
3/4		3/4		3/4		3/4	4,790.95	3/4	4,461.52	3/4	4,115.62	3/4	3,753.26	3/4	3,378.57	3/4	3,002.25	3/4	2,625.17
6	6	6	6	6	6	6	4,784.24	6	4,454.47	6	4,108.23	6	3,745.52	6	3,370.75	6	2,994.39	6	2,617.31
1/4		1/4		1/4		1/4	4,777.54	1/4	4,447.42	1/4	4,100.84	1/4	3,737.79	1/4	3,362.93	1/4	2,986.54	1/4	2,609.46
1/2		1/2		1/2		1/2	4,770.83	1/2	4,440.37	1/2	4,093.45	1/2	3,730.05	1/2	3,355.10	1/2	2,978.68	1/2	2,601.60
3/4		3/4		3/4		3/4	4,764.13	3/4	4,433.32	3/4	4,086.06	3/4	3,722.32	3/4	3,347.28	3/4	2,970.83	3/4	2,593.74
7	7	7	7	7	7	7	4,757.39	7	4,426.25	7	4,078.64	7	3,714.55	7	3,339.46	7	2,962.97	7	2,585.89
1/4		1/4		1/4		1/4	4,750.66	1/4	4,419.17	1/4	4,071.22	1/4	3,706.79	1/4	3,331.64	1/4	2,955.11	1/4	2,578.03
1/2		1/2		1/2		1/2	4,743.92	1/2	4,412.09	1/2	4,063.79	1/2	3,699.03	1/2	3,323.82	1/2	2,947.26	1/2	2,570.18
3/4		3/4		3/4		3/4	4,737.18	3/4	4,405.02	3/4	4,056.37	3/4	3,691.27	3/4	3,316.00	3/4	2,939.40	3/4	2,562.32
8	8	8	8	8	8	8	4,730.42	8	4,397.91	8	4,048.93	8	3,683.47	8	3,308.18	8	2,931.55	8	2,554.46
1/4		1/4		1/4		1/4	4,723.66	1/4	4,390.80	1/4	4,041.48	1/4	3,675.68	1/4	3,300.36	1/4	2,923.69	1/4	2,546.61
1/2		1/2		1/2		1/2	4,716.89	1/2	4,383.69	1/2	4,034.03	1/2	3,667.89	1/2	3,292.53	1/2	2,915.84	1/2	2,538.75
3/4		3/4		3/4		3/4	4,710.13	3/4	4,376.59	3/4	4,026.58	3/4	3,660.10	3/4	3,284.71	3/4	2,907.98	3/4	2,530.90
9	9	9	9	9	9	9	4,703.34	9	4,369.45	9	4,019.10	9	3,652.29	9	3,276.89	9	2,900.12	9	2,523.04
1/4		1/4		1/4		1/4	4,696.54	1/4	4,362.32	1/4	4,011.62	1/4	3,644.47	1/4	3,269.07	1/4	2,892.27	1/4	2,515.18
1/2		1/2		1/2		1/2	4,689.75	1/2	4,355.18	1/2	4,004.14	1/2	3,636.66	1/2	3,261.25	1/2	2,884.41	1/2	2,507.33
3/4		3/4		3/4		3/4	4,682.95	3/4	4,348.05	3/4	3,996.66	3/4	3,628.85	3/4	3,253.43	3/4	2,876.56	3/4	2,499.47
10	10	10	10	10	10	10	4,676.13	10	4,340.88	10	3,989.16	10	3,621.03	10	3,245.61	10	2,868.70	10	2,491.62
1/4		1/4		1/4		1/4	4,669.31	1/4	4,333.72	1/4	3,981.65	1/4	3,613.20	1/4	3,237.79	1/4	2,860.84	1/4	2,483.76
1/2		1/2		1/2		1/2	4,662.49	1/2	4,326.55	1/2	3,974.14	1/2	3,605.38	1/2	3,229.97	1/2	2,852.99	1/2	2,475.90
3/4		3/4		3/4		3/4	4,655.67	3/4	4,319.38	3/4	3,966.64	3/4	3,597.56	3/4	3,222.14	3/4	2,845.13	3/4	2,468.05
11	11	11	11	11	11	11	4,648.82	11	4,312.19	11	3,959.10	11	3,589.74	11	3,214.31	11	2,837.28	11	2,460.19
1/4		1/4		1/4		1/4	4,641.96	1/4	4,305.00	1/4	3,951.56	1/4	3,581.92	1/4	3,206.47	1/4	2,829.42	1/4	2,452.34
1/2		1/2		1/2		1/2	4,635.11	1/2	4,297.80	1/2	3,944.03	1/2	3,574.10	1/2	3,198.63	1/2	2,821.56	1/2	2,444.48
3/4		3/4		3/4		3/4	4,628.26	3/4	4,290.61	3/4	3,936.49	3/4	3,566.28	3/4	3,190.79	3/4	2,813.71	3/4	2,436.63

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
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 52'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "KIRBY 29123"

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	2,428.77	0	2,051.69	0	1,674.60	0	1,298.81	0	922.59	0	545.52	0	195.60	0		0		0	
1/4	2,420.91	1/4	2,043.83	1/4	1,666.75	1/4	1,291.00	1/4	914.73	1/4	537.68	1/4	188.99	1/4		1/4		1/4	
1/2	2,413.06	1/2	2,035.97	1/2	1,658.89	1/2	1,283.19	1/2	906.88	1/2	529.83	1/2	182.37	1/2		1/2		1/2	
3/4	2,405.20	3/4	2,028.12	3/4	1,651.04	3/4	1,275.39	3/4	899.02	3/4	521.99	3/4	175.76	3/4		3/4		3/4	
1	2,397.35	1	2,020.26	1	1,643.18	1	1,267.58	1	891.17	1	514.19	1	169.25	1		1		1	
1/4	2,389.49	1/4	2,012.41	1/4	1,635.32	1/4	1,259.77	1/4	883.31	1/4	506.39	1/4	162.75	1/4		1/4		1/4	
1/2	2,381.63	1/2	2,004.55	1/2	1,627.47	1/2	1,251.97	1/2	875.46	1/2	498.59	1/2	156.25	1/2		1/2		1/2	
3/4	2,373.78	3/4	1,996.69	3/4	1,619.61	3/4	1,244.16	3/4	867.60	3/4	490.79	3/4	149.75	3/4		3/4		3/4	
2	2,365.92	2	1,988.84	2	1,611.76	2	1,236.35	2	859.74	2	483.09	2	143.36	2		2		2	
1/4	2,358.07	1/4	1,980.98	1/4	1,603.90	1/4	1,228.55	1/4	851.89	1/4	475.38	1/4	136.97	1/4		1/4		1/4	
1/2	2,350.21	1/2	1,973.13	1/2	1,596.04	1/2	1,220.74	1/2	844.03	1/2	467.68	1/2	130.58	1/2		1/2		1/2	
3/4	2,342.35	3/4	1,965.27	3/4	1,588.19	3/4	1,212.93	3/4	836.18	3/4	459.97	3/4	124.20	3/4		3/4		3/4	
3	2,334.50	3	1,957.42	3	1,580.33	3	1,205.13	3	828.32	3	452.38	3	117.93	3		3		3	
1/4	2,326.64	1/4	1,949.56	1/4	1,572.48	1/4	1,197.32	1/4	820.47	1/4	444.78	1/4	111.67	1/4		1/4		1/4	
1/2	2,318.79	1/2	1,941.70	1/2	1,564.62	1/2	1,189.51	1/2	812.61	1/2	437.18	1/2	105.40	1/2		1/2		1/2	
3/4	2,310.93	3/4	1,933.85	3/4	1,556.76	3/4	1,181.71	3/4	804.75	3/4	429.59	3/4	99.13	3/4		3/4		3/4	
4	2,303.08	4	1,925.99	4	1,548.92	4	1,173.88	4	796.90	4	422.10	4	93.00	4		4		4	
1/4	2,295.22	1/4	1,918.14	1/4	1,541.07	1/4	1,166.06	1/4	789.04	1/4	414.61	1/4	86.86	1/4		1/4		1/4	
1/2	2,287.36	1/2	1,910.28	1/2	1,533.23	1/2	1,158.23	1/2	781.19	1/2	407.12	1/2	80.72	1/2		1/2		1/2	
3/4	2,279.51	3/4	1,902.42	3/4	1,525.38	3/4	1,150.41	3/4	773.33	3/4	399.64	3/4	74.58	3/4		3/4		3/4	
5	2,271.65	5	1,894.57	5	1,517.56	5	1,142.55	5	765.47	5	392.26	5	68.59	5		5		5	
1/4	2,263.80	1/4	1,886.71	1/4	1,509.73	1/4	1,134.70	1/4	757.62	1/4	384.88	1/4	62.59	1/4		1/4		1/4	
1/2	2,255.94	1/2	1,878.86	1/2	1,501.91	1/2	1,126.84	1/2	749.76	1/2	377.50	1/2	56.59	1/2		1/2		1/2	
3/4	2,248.08	3/4	1,871.00	3/4	1,494.08	3/4	1,118.99	3/4	741.91	3/4	370.12	3/4	50.60	3/4		3/4		3/4	
6	2,240.23	6	1,863.14	6	1,486.26	6	1,111.13	6	734.05	6	362.85	6	45.19	6		6		6	
1/4	2,232.37	1/4	1,855.29	1/4	1,478.44	1/4	1,103.27	1/4	726.20	1/4	355.59	1/4	39.79	1/4		1/4		1/4	
1/2	2,224.52	1/2	1,847.43	1/2	1,470.61	1/2	1,095.42	1/2	718.34	1/2	348.32	1/2	34.38	1/2		1/2		1/2	
3/4	2,216.66	3/4	1,839.58	3/4	1,462.79	3/4	1,087.56	3/4	710.48	3/4	341.05	3/4	28.98	3/4		3/4		3/4	
7	2,208.80	7	1,831.72	7	1,454.98	7	1,079.71	7	702.63	7	333.89	7	25.02	7		7		7	
1/4	2,200.95	1/4	1,823.87	1/4	1,447.16	1/4	1,071.85	1/4	694.77	1/4	326.73	1/4	21.07	1/4		1/4		1/4	
1/2	2,193.09	1/2	1,816.01	1/2	1,439.35	1/2	1,064.00	1/2	686.92	1/2	319.57	1/2	17.11	1/2		1/2		1/2	
3/4	2,185.24	3/4	1,808.15	3/4	1,431.54	3/4	1,056.14	3/4	679.06	3/4	312.41	3/4	13.16	3/4		3/4		3/4	
8	2,177.38	8	1,800.30	8	1,423.73	8	1,048.28	8	671.21	8	305.36	8		8		8		8	
1/4	2,169.52	1/4	1,792.44	1/4	1,415.91	1/4	1,040.43	1/4	663.35	1/4	298.31	1/4		1/4		1/4		1/4	
1/2	2,161.67	1/2	1,784.59	1/2	1,408.10	1/2	1,032.57	1/2	655.49	1/2	291.26	1/2		1/2		1/2		1/2	
3/4	2,153.81	3/4	1,776.73	3/4	1,400.29	3/4	1,024.72	3/4	647.64	3/4	284.20	3/4		3/4		3/4		3/4	
9	2,145.96	9	1,768.87	9	1,392.49	9	1,016.86	9	639.78	9	277.26	9		9		9		9	
1/4	2,138.10	1/4	1,761.02	1/4	1,384.68	1/4	1,009.00	1/4	631.93	1/4	270.32	1/4		1/4		1/4		1/4	
1/2	2,130.25	1/2	1,753.16	1/2	1,376.87	1/2	1,001.15	1/2	624.07	1/2	263.38	1/2		1/2		1/2		1/2	
3/4	2,122.39	3/4	1,745.31	3/4	1,369.07	3/4	993.29	3/4	616.21	3/4	256.44	3/4		3/4		3/4		3/4	
10	2,114.53	10	1,737.45	10	1,361.26	10	985.44	10	608.36	10	249.61	10		10		10		10	
1/4	2,106.68	1/4	1,729.59	1/4	1,353.45	1/4	977.58	1/4	600.50	1/4	242.77	1/4		1/4		1/4		1/4	
1/2	2,098.82	1/2	1,721.74	1/2	1,345.65	1/2	969.73	1/2	592.65	1/2	235.94	1/2		1/2		1/2		1/2	
3/4	2,090.97	3/4	1,713.88	3/4	1,337.84	3/4	961.87	3/4	584.79	3/4	229.11	3/4		3/4		3/4		3/4	
11	2,083.11	11	1,706.03	11	1,330.03	11	954.01	11	576.94	11	222.38	11		11		11		11	
1/4	2,075.25	1/4	1,698.17	1/4	1,322.23	1/4	946.16	1/4	569.08	1/4	215.66	1/4		1/4		1/4		1/4	
1/2	2,067.40	1/2	1,690.31	1/2	1,314.42	1/2	938.30	1/2	561.22	1/2	208.94	1/2		1/2		1/2		1/2	
3/4	2,059.54	3/4	1,682.46	3/4	1,306.61	3/4	930.45	3/4	553.37	3/4	202.21	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/13/2014 CL
CALCULATED: 11/14/2014 CL
PRINTED: 11/14/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2014

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



BARGE "KIRBY 29123"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 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	0	0	0	0	0	4,646.96	0	4,309.76	0	3,956.08	0	3,586.18	0	3,210.47	0	2,833.16		
1/4		1/4		1/4		1/4		1/4	4,640.10	1/4	4,302.56	1/4	3,948.54	1/4	3,578.35	1/4	3,202.63	1/4	2,825.30		
1/2		1/2		1/2		1/2		1/2	4,633.24	1/2	4,295.36	1/2	3,940.99	1/2	3,570.52	1/2	3,194.79	1/2	2,817.44		
3/4		3/4		3/4		3/4		3/4	4,626.36	3/4	4,288.13	3/4	3,933.42	3/4	3,562.70	3/4	3,186.93	3/4	2,809.58		
1	1	1	1	1	1	1	4,951.45	1	4,619.48	1	4,280.90	1	3,925.85	1	3,554.87	1	3,179.06	1	2,801.72		
1/4		1/4		1/4		1/4		1/4	4,946.08	1/4	4,273.68	1/4	3,918.28	1/4	3,547.04	1/4	3,171.20	1/4	2,793.86		
1/2		1/2		1/2		1/2		1/2	4,940.71	1/2	4,266.45	1/2	3,910.71	1/2	3,539.22	1/2	3,163.34	1/2	2,785.99		
3/4		3/4		3/4		3/4		3/4	4,934.04	3/4	4,259.19	3/4	3,903.11	3/4	3,531.39	3/4	3,155.48	3/4	2,778.13		
2	2	2	2	2	2	2	4,927.38	2	4,591.90	2	4,251.94	2	3,895.51	2	3,523.56	2	3,147.62	2	2,770.27		
1/4		1/4		1/4		1/4		1/4	4,920.71	1/4	4,244.69	1/4	3,887.91	1/4	3,515.74	1/4	3,139.76	1/4	2,762.41		
1/2		1/2		1/2		1/2		1/2	4,914.04	1/2	4,237.44	1/2	3,880.31	1/2	3,507.91	1/2	3,131.90	1/2	2,754.55		
3/4		3/4		3/4		3/4		3/4	4,906.45	3/4	4,230.16	3/4	3,872.69	3/4	3,500.08	3/4	3,124.04	3/4	2,746.69		
3	3	3	3	3	3	3	4,898.85	3	4,564.21	3	4,222.88	3	3,865.06	3	3,492.26	3	3,116.17	3	2,738.83		
1/4		1/4		1/4		1/4		1/4	4,891.25	1/4	4,215.60	1/4	3,857.44	1/4	3,484.43	1/4	3,108.31	1/4	2,730.97		
1/2		1/2		1/2		1/2		1/2	4,883.66	1/2	4,208.31	1/2	3,849.81	1/2	3,476.60	1/2	3,100.45	1/2	2,723.10		
3/4		3/4		3/4		3/4		3/4	4,875.83	3/4	4,201.00	3/4	3,842.16	3/4	3,468.78	3/4	3,092.59	3/4	2,715.24		
4	4	4	4	4	4	4	4,868.00	4	4,536.40	4	4,193.69	4	3,834.51	4	3,460.95	4	3,084.73	4	2,707.38		
1/4		1/4		1/4		1/4		1/4	4,860.18	1/4	4,186.38	1/4	3,826.86	1/4	3,453.12	1/4	3,076.87	1/4	2,699.52		
1/2		1/2		1/2		1/2		1/2	4,852.35	1/2	4,179.07	1/2	3,819.20	1/2	3,445.30	1/2	3,069.01	1/2	2,691.66		
3/4		3/4		3/4		3/4		3/4	4,844.96	3/4	4,171.74	3/4	3,811.52	3/4	3,437.47	3/4	3,061.14	3/4	2,683.80		
5	5	5	5	5	5	5	4,837.56	5	4,508.48	5	4,164.40	5	3,803.84	5	3,429.64	5	3,053.28	5	2,675.94		
1/4		1/4		1/4		1/4		1/4	4,830.17	1/4	4,157.06	1/4	3,796.16	1/4	3,421.82	1/4	3,045.42	1/4	2,668.07		
1/2		1/2		1/2		1/2		1/2	4,822.77	1/2	4,149.72	1/2	3,788.47	1/2	3,413.99	1/2	3,037.56	1/2	2,660.21		
3/4		3/4		3/4		3/4		3/4	4,816.09	3/4	4,142.35	3/4	3,780.76	3/4	3,406.16	3/4	3,029.70	3/4	2,652.35		
6	6	6	6	6	6	6	4,809.41	6	4,480.44	6	4,134.98	6	3,773.05	6	3,398.34	6	3,021.84	6	2,644.49		
1/4		1/4		1/4		1/4		1/4	4,802.73	1/4	4,127.62	1/4	3,765.34	1/4	3,390.51	1/4	3,013.98	1/4	2,636.63		
1/2		1/2		1/2		1/2		1/2	4,796.05	1/2	4,120.25	1/2	3,757.63	1/2	3,382.68	1/2	3,006.11	1/2	2,628.77		
3/4		3/4		3/4		3/4		3/4	4,789.34	3/4	4,112.85	3/4	3,749.89	3/4	3,374.86	3/4	2,998.25	3/4	2,620.91		
7	7	7	7	7	7	7	4,782.63	7	4,452.28	7	4,105.46	7	3,742.15	7	3,367.03	7	2,990.39	7	2,613.04		
1/4		1/4		1/4		1/4		1/4	4,775.92	1/4	4,445.23	1/4	4,098.06	1/4	3,734.41	1/4	3,359.21	1/4	2,982.53	1/4	2,605.18
1/2		1/2		1/2		1/2		1/2	4,769.20	1/2	4,438.17	1/2	4,090.66	1/2	3,726.67	1/2	3,351.38	1/2	2,974.67	1/2	2,597.32
3/4		3/4		3/4		3/4		3/4	4,762.46	3/4	4,431.09	3/4	4,083.24	3/4	3,718.90	3/4	3,343.55	3/4	2,966.81	3/4	2,589.46
8	8	8	8	8	8	8	4,755.72	8	4,424.01	8	4,075.81	8	3,711.14	8	3,335.73	8	2,958.95	8	2,581.60		
1/4		1/4		1/4		1/4		1/4	4,748.98	1/4	4,416.93	1/4	4,068.39	1/4	3,703.37	1/4	3,327.90	1/4	2,951.08	1/4	2,573.74
1/2		1/2		1/2		1/2		1/2	4,742.24	1/2	4,409.85	1/2	4,060.96	1/2	3,695.60	1/2	3,320.07	1/2	2,943.22	1/2	2,565.88
3/4		3/4		3/4		3/4		3/4	4,735.48	3/4	4,402.73	3/4	4,053.51	3/4	3,687.80	3/4	3,312.25	3/4	2,935.36	3/4	2,558.01
9	9	9	9	9	9	9	4,728.71	9	4,395.62	9	4,046.05	9	3,680.01	9	3,304.42	9	2,927.50	9	2,550.15		
1/4		1/4		1/4		1/4		1/4	4,721.94	1/4	4,388.51	1/4	4,038.60	1/4	3,672.21	1/4	3,296.59	1/4	2,919.64	1/4	2,542.29
1/2		1/2		1/2		1/2		1/2	4,715.17	1/2	4,381.40	1/2	4,031.15	1/2	3,664.41	1/2	3,288.77	1/2	2,911.78	1/2	2,534.43
3/4		3/4		3/4		3/4		3/4	4,708.37	3/4	4,374.26	3/4	4,023.66	3/4	3,656.59	3/4	3,280.94	3/4	2,903.92	3/4	2,526.57
10	10	10	10	10	10	10	4,701.57	10	4,367.12	10	4,016.18	10	3,648.77	10	3,273.11	10	2,896.05	10	2,518.71		
1/4		1/4		1/4		1/4		1/4	4,694.77	1/4	4,359.98	1/4	4,008.69	1/4	3,640.95	1/4	3,265.29	1/4	2,888.19	1/4	2,510.85
1/2		1/2		1/2		1/2		1/2	4,687.98	1/2	4,352.84	1/2	4,001.21	1/2	3,633.14	1/2	3,257.46	1/2	2,880.33	1/2	2,502.98
3/4		3/4		3/4		3/4		3/4	4,681.15	3/4	4,345.67	3/4	3,993.70	3/4	3,625.31	3/4	3,249.63	3/4	2,872.47	3/4	2,495.12
11	11	11	11	11	11	11	4,674.32	11	4,338.50	11	3,986.19	11	3,617.48	11	3,241.81	11	2,864.61	11	2,487.26		
1/4		1/4		1/4		1/4		1/4	4,667.50	1/4	4,331.33	1/4	3,978.67	1/4	3,609.66	1/4	3,233.98	1/4	2,856.75	1/4	2,479.40
1/2		1/2		1/2		1/2		1/2	4,660.67	1/2	4,324.15	1/2	3,971.16	1/2	3,601.83	1/2	3,226.15	1/2	2,848.89	1/2	2,471.54
3/4		3/4		3/4		3/4		3/4	4,653.81	3/4	4,316.96	3/4	3,963.62	3/4	3,594.00	3/4	3,218.31	3/4	2,841.02	3/4	2,463.68

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
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 52'-03" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 29123"

**1 STBD
ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,455.82	0	2,078.47	0	1,701.12	0	1,323.77	0	946.66	0	569.47	0	215.81	0		0		0	
1/4	2,447.95	1/4	2,070.61	1/4	1,693.26	1/4	1,315.91	1/4	938.81	1/4	561.61	1/4	209.08	1/4		1/4		1/4	
1/2	2,440.09	1/2	2,062.75	1/2	1,685.40	1/2	1,308.05	1/2	930.96	1/2	553.75	1/2	202.35	1/2		1/2		1/2	
3/4	2,432.23	3/4	2,054.88	3/4	1,677.54	3/4	1,300.19	3/4	923.12	3/4	545.90	3/4	195.74	3/4		3/4		3/4	
1	2,424.37	1	2,047.02	1	1,669.68	1	1,292.33	1	915.27	1	538.05	1	189.12	1		1		1	
1/4	2,416.51	1/4	2,039.16	1/4	1,661.81	1/4	1,284.47	1/4	907.42	1/4	530.20	1/4	182.50	1/4		1/4		1/4	
1/2	2,408.65	1/2	2,031.30	1/2	1,653.95	1/2	1,276.61	1/2	899.57	1/2	522.35	1/2	175.88	1/2		1/2		1/2	
3/4	2,400.79	3/4	2,023.44	3/4	1,646.09	3/4	1,268.74	3/4	891.72	3/4	514.55	3/4	169.37	3/4		3/4		3/4	
2	2,392.92	2	2,015.58	2	1,638.23	2	1,260.88	2	883.87	2	506.74	2	162.87	2		2		2	
1/4	2,385.06	1/4	2,007.72	1/4	1,630.37	1/4	1,253.02	1/4	876.02	1/4	498.94	1/4	156.36	1/4		1/4		1/4	
1/2	2,377.20	1/2	1,999.85	1/2	1,622.51	1/2	1,245.16	1/2	868.17	1/2	491.14	1/2	149.85	1/2		1/2		1/2	
3/4	2,369.34	3/4	1,991.99	3/4	1,614.65	3/4	1,237.30	3/4	860.32	3/4	483.42	3/4	143.46	3/4		3/4		3/4	
3	2,361.48	3	1,984.13	3	1,606.78	3	1,229.44	3	852.46	3	475.71	3	137.07	3		3		3	
1/4	2,353.62	1/4	1,976.27	1/4	1,598.92	1/4	1,221.58	1/4	844.61	1/4	468.00	1/4	130.68	1/4		1/4		1/4	
1/2	2,345.76	1/2	1,968.41	1/2	1,591.06	1/2	1,213.71	1/2	836.76	1/2	460.29	1/2	124.28	1/2		1/2		1/2	
3/4	2,337.90	3/4	1,960.55	3/4	1,583.20	3/4	1,205.85	3/4	828.89	3/4	452.69	3/4	118.01	3/4		3/4		3/4	
4	2,330.03	4	1,952.69	4	1,575.34	4	1,197.99	4	821.03	4	445.09	4	111.74	4		4		4	
1/4	2,322.17	1/4	1,944.83	1/4	1,567.48	1/4	1,190.13	1/4	813.17	1/4	437.49	1/4	105.47	1/4		1/4		1/4	
1/2	2,314.31	1/2	1,936.96	1/2	1,559.62	1/2	1,182.27	1/2	805.31	1/2	429.88	1/2	99.20	1/2		1/2		1/2	
3/4	2,306.45	3/4	1,929.10	3/4	1,551.76	3/4	1,174.41	3/4	797.45	3/4	422.39	3/4	93.06	3/4		3/4		3/4	
5	2,298.59	5	1,921.24	5	1,543.89	5	1,166.55	5	789.59	5	414.90	5	86.92	5		5		5	
1/4	2,290.73	1/4	1,913.38	1/4	1,536.03	1/4	1,158.69	1/4	781.73	1/4	407.41	1/4	80.78	1/4		1/4		1/4	
1/2	2,282.87	1/2	1,905.52	1/2	1,528.17	1/2	1,150.82	1/2	773.87	1/2	399.91	1/2	74.63	1/2		1/2		1/2	
3/4	2,275.00	3/4	1,897.66	3/4	1,520.31	3/4	1,142.96	3/4	766.00	3/4	392.53	3/4	68.63	3/4		3/4		3/4	
6	2,267.14	6	1,889.80	6	1,512.45	6	1,135.10	6	758.14	6	385.15	6	62.63	6		6		6	
1/4	2,259.28	1/4	1,881.93	1/4	1,504.59	1/4	1,127.24	1/4	750.28	1/4	377.76	1/4	56.63	1/4		1/4		1/4	
1/2	2,251.42	1/2	1,874.07	1/2	1,496.73	1/2	1,119.38	1/2	742.42	1/2	370.38	1/2	50.63	1/2		1/2		1/2	
3/4	2,243.56	3/4	1,866.21	3/4	1,488.86	3/4	1,111.52	3/4	734.56	3/4	363.11	3/4	45.22	3/4		3/4		3/4	
7	2,235.70	7	1,858.35	7	1,481.00	7	1,103.66	7	726.70	7	355.83	7	39.81	7		7		7	
1/4	2,227.84	1/4	1,850.49	1/4	1,473.14	1/4	1,095.81	1/4	718.84	1/4	348.56	1/4	34.41	1/4		1/4		1/4	
1/2	2,219.97	1/2	1,842.63	1/2	1,465.28	1/2	1,087.95	1/2	710.98	1/2	341.28	1/2	29.00	1/2		1/2		1/2	
3/4	2,212.11	3/4	1,834.77	3/4	1,457.42	3/4	1,080.10	3/4	703.11	3/4	334.12	3/4	25.04	3/4		3/4		3/4	
8	2,204.25	8	1,826.90	8	1,449.56	8	1,072.25	8	695.25	8	326.95	8	21.08	8		8		8	
1/4	2,196.39	1/4	1,819.04	1/4	1,441.70	1/4	1,064.40	1/4	687.39	1/4	319.79	1/4	17.12	1/4		1/4		1/4	
1/2	2,188.53	1/2	1,811.18	1/2	1,433.83	1/2	1,056.55	1/2	679.53	1/2	312.62	1/2	13.17	1/2		1/2		1/2	
3/4	2,180.67	3/4	1,803.32	3/4	1,425.97	3/4	1,048.70	3/4	671.67	3/4	305.57	3/4		3/4		3/4		3/4	
9	2,172.81	9	1,795.46	9	1,418.11	9	1,040.85	9	663.81	9	298.51	9		9		9		9	
1/4	2,164.94	1/4	1,787.60	1/4	1,410.25	1/4	1,033.01	1/4	655.95	1/4	291.46	1/4		1/4		1/4		1/4	
1/2	2,157.08	1/2	1,779.74	1/2	1,402.39	1/2	1,025.16	1/2	648.09	1/2	284.40	1/2		1/2		1/2		1/2	
3/4	2,149.22	3/4	1,771.87	3/4	1,394.53	3/4	1,017.31	3/4	640.23	3/4	277.46	3/4		3/4		3/4		3/4	
10	2,141.36	10	1,764.01	10	1,386.67	10	1,009.46	10	632.36	10	270.51	10		10		10		10	
1/4	2,133.50	1/4	1,756.15	1/4	1,378.80	1/4	1,001.61	1/4	624.50	1/4	263.56	1/4		1/4		1/4		1/4	
1/2	2,125.64	1/2	1,748.29	1/2	1,370.94	1/2	993.76	1/2	616.64	1/2	256.62	1/2		1/2		1/2		1/2	
3/4	2,117.78	3/4	1,740.43	3/4	1,363.08	3/4	985.91	3/4	608.78	3/4	249.78	3/4		3/4		3/4		3/4	
11	2,109.91	11	1,732.57	11	1,355.22	11	978.06	11	600.92	11	242.94	11		11		11		11	
1/4	2,102.05	1/4	1,724.71	1/4	1,347.36	1/4	970.21	1/4	593.06	1/4	236.10	1/4		1/4		1/4		1/4	
1/2	2,094.19	1/2	1,716.84	1/2	1,339.50	1/2	962.36	1/2	585.20	1/2	229.27	1/2		1/2		1/2		1/2	
3/4	2,086.33	3/4	1,708.98	3/4	1,331.64	3/4	954.51	3/4	577.34	3/4	222.54	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/13/2014 CL
CALCULATED: 11/14/2014 CL
PRINTED: 11/14/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2014

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



BARGE "KIRBY 29123"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

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		0	4,464.41	0	4,141.43	0	3,803.30	0	3,450.37	0	3,092.59	0	2,733.33
1/4		1/4		1/4		1/4		1/4	4,457.83	1/4	4,134.53	1/4	3,796.08	1/4	3,442.92	1/4	3,085.10	1/4	2,725.85
1/2		1/2		1/2		1/2	4,768.44	1/2	4,451.25	1/2	4,127.62	1/2	3,788.86	1/2	3,435.46	1/2	3,077.62	1/2	2,718.36
3/4		3/4		3/4		3/4	4,763.32	3/4	4,444.67	3/4	4,120.72	3/4	3,781.65	3/4	3,428.01	3/4	3,070.14	3/4	2,710.88
1		1		1		1	4,758.21	1	4,438.08	1	4,113.82	1	3,774.43	1	3,420.56	1	3,062.65	1	2,703.40
1/4		1/4		1/4		1/4	4,751.86	1/4	4,431.47	1/4	4,106.89	1/4	3,767.18	1/4	3,413.11	1/4	3,055.17	1/4	2,695.91
1/2		1/2		1/2		1/2	4,745.52	1/2	4,424.86	1/2	4,099.97	1/2	3,759.94	1/2	3,405.65	1/2	3,047.68	1/2	2,688.43
3/4		3/4		3/4		3/4	4,739.17	3/4	4,418.26	3/4	4,093.04	3/4	3,752.69	3/4	3,398.20	3/4	3,040.20	3/4	2,680.94
2		2		2		2	4,732.83	2	4,411.65	2	4,086.12	2	3,745.45	2	3,390.75	2	3,032.71	2	2,673.46
1/4		1/4		1/4		1/4	4,725.59	1/4	4,405.01	1/4	4,079.17	1/4	3,738.18	1/4	3,383.30	1/4	3,025.23	1/4	2,665.97
1/2		1/2		1/2		1/2	4,718.36	1/2	4,398.37	1/2	4,072.22	1/2	3,730.92	1/2	3,375.84	1/2	3,017.74	1/2	2,658.49
3/4		3/4		3/4		3/4	4,711.13	3/4	4,391.74	3/4	4,065.27	3/4	3,723.65	3/4	3,368.39	3/4	3,010.26	3/4	2,651.00
3		3		3		3	4,703.90	3	4,385.10	3	4,058.32	3	3,716.38	3	3,360.94	3	3,002.78	3	2,643.52
1/4		1/4		1/4		1/4	4,696.45	1/4	4,378.44	1/4	4,051.34	1/4	3,709.09	1/4	3,353.49	1/4	2,995.29	1/4	2,636.03
1/2		1/2		1/2		1/2	4,688.99	1/2	4,371.78	1/2	4,044.36	1/2	3,701.80	1/2	3,346.03	1/2	2,987.81	1/2	2,628.55
3/4		3/4		3/4		3/4	4,681.54	3/4	4,365.12	3/4	4,037.38	3/4	3,694.51	3/4	3,338.58	3/4	2,980.32	3/4	2,621.07
4		4		4		4	4,674.09	4	4,358.46	4	4,030.40	4	3,687.21	4	3,331.13	4	2,972.84	4	2,613.58
1/4		1/4		1/4		1/4	4,667.03	1/4	4,351.77	1/4	4,023.40	1/4	3,679.89	1/4	3,323.68	1/4	2,965.35	1/4	2,606.10
1/2		1/2		1/2		1/2	4,659.98	1/2	4,345.08	1/2	4,016.40	1/2	3,672.57	1/2	3,316.23	1/2	2,957.87	1/2	2,598.61
3/4		3/4		3/4		3/4	4,652.92	3/4	4,338.39	3/4	4,009.39	3/4	3,665.25	3/4	3,308.77	3/4	2,950.38	3/4	2,591.13
5		5		5		5	4,645.87	5	4,331.70	5	4,002.39	5	3,657.94	5	3,301.32	5	2,942.90	5	2,583.64
1/4		1/4		1/4		1/4	4,639.47	1/4	4,324.98	1/4	3,995.36	1/4	3,650.59	1/4	3,293.87	1/4	2,935.41	1/4	2,576.16
1/2		1/2		1/2		1/2	4,633.07	1/2	4,318.27	1/2	3,988.33	1/2	3,643.24	1/2	3,286.42	1/2	2,927.93	1/2	2,568.67
3/4		3/4		3/4		3/4	4,626.67	3/4	4,311.55	3/4	3,981.30	3/4	3,635.90	3/4	3,278.96	3/4	2,920.45	3/4	2,561.19
6		6		6		6	4,620.27	6	4,304.84	6	3,974.27	6	3,628.55	6	3,271.51	6	2,912.96	6	2,553.71
1/4		1/4		1/4		1/4	4,613.84	1/4	4,298.10	1/4	3,967.21	1/4	3,621.18	1/4	3,264.06	1/4	2,905.48	1/4	2,546.22
1/2		1/2		1/2		1/2	4,607.41	1/2	4,291.35	1/2	3,960.15	1/2	3,613.81	1/2	3,256.61	1/2	2,897.99	1/2	2,538.74
3/4		3/4		3/4		3/4	4,600.99	3/4	4,284.61	3/4	3,953.10	3/4	3,606.43	3/4	3,249.15	3/4	2,890.51	3/4	2,531.25
7		7		7		7	4,594.56	7	4,277.87	7	3,946.04	7	3,599.06	7	3,241.70	7	2,883.02	7	2,523.77
1/4		1/4		1/4		1/4	4,588.11	1/4	4,271.10	1/4	3,938.95	1/4	3,591.66	1/4	3,234.25	1/4	2,875.54	1/4	2,516.28
1/2		1/2		1/2		1/2	4,581.65	1/2	4,264.33	1/2	3,931.87	1/2	3,584.27	1/2	3,226.80	1/2	2,868.05	1/2	2,508.80
3/4		3/4		3/4		3/4	4,575.20	3/4	4,257.57	3/4	3,924.79	3/4	3,576.87	3/4	3,219.34	3/4	2,860.57	3/4	2,501.31
8		8		8		8	4,568.74	8	4,250.80	8	3,917.70	8	3,569.47	8	3,211.89	8	2,853.09	8	2,493.83
1/4		1/4		1/4		1/4	4,562.26	1/4	4,244.00	1/4	3,910.59	1/4	3,562.04	1/4	3,204.44	1/4	2,845.60	1/4	2,486.34
1/2		1/2		1/2		1/2	4,555.78	1/2	4,237.21	1/2	3,903.48	1/2	3,554.62	1/2	3,196.99	1/2	2,838.12	1/2	2,478.86
3/4		3/4		3/4		3/4	4,549.30	3/4	4,230.41	3/4	3,896.37	3/4	3,547.19	3/4	3,189.53	3/4	2,830.63	3/4	2,471.38
9		9		9		9	4,542.82	9	4,223.61	9	3,889.26	9	3,539.77	9	3,182.08	9	2,823.15	9	2,463.89
1/4		1/4		1/4		1/4	4,536.32	1/4	4,216.79	1/4	3,882.13	1/4	3,532.32	1/4	3,174.63	1/4	2,815.66	1/4	2,456.41
1/2		1/2		1/2		1/2	4,529.81	1/2	4,209.97	1/2	3,874.99	1/2	3,524.88	1/2	3,167.18	1/2	2,808.18	1/2	2,448.92
3/4		3/4		3/4		3/4	4,523.30	3/4	4,203.15	3/4	3,867.85	3/4	3,517.43	3/4	3,159.72	3/4	2,800.69	3/4	2,441.44
10		10		10		10	4,516.79	10	4,196.33	10	3,860.71	10	3,509.99	10	3,152.27	10	2,793.21	10	2,433.95
1/4		1/4		1/4		1/4	4,510.26	1/4	4,189.48	1/4	3,853.55	1/4	3,502.54	1/4	3,144.82	1/4	2,785.72	1/4	2,426.47
1/2		1/2		1/2		1/2	4,503.73	1/2	4,182.63	1/2	3,846.39	1/2	3,495.08	1/2	3,137.37	1/2	2,778.24	1/2	2,418.98
3/4		3/4		3/4		3/4	4,497.19	3/4	4,175.78	3/4	3,839.22	3/4	3,487.63	3/4	3,129.92	3/4	2,770.76	3/4	2,411.50
11		11		11		11	4,490.66	11	4,168.93	11	3,832.06	11	3,480.18	11	3,122.46	11	2,763.27	11	2,404.02
1/4		1/4		1/4		1/4	4,484.10	1/4	4,162.05	1/4	3,824.87	1/4	3,472.73	1/4	3,114.99	1/4	2,755.79	1/4	2,396.53
1/2		1/2		1/2		1/2	4,477.54	1/2	4,155.18	1/2	3,817.68	1/2	3,465.27	1/2	3,107.53	1/2	2,748.30	1/2	2,389.05
3/4		3/4		3/4		3/4	4,470.98	3/4	4,148.30	3/4	3,810.49	3/4	3,457.82	3/4	3,100.06	3/4	2,740.82	3/4	2,381.56

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
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 52'-00" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 29123"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

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	2,374.08	0	2,014.82	0	1,655.57	0	1,304.66	0	959.59	0	602.31	0	243.06	0		0		0	
1/4	2,366.59	1/4	2,007.34	1/4	1,648.08	1/4	1,297.46	1/4	952.41	1/4	594.83	1/4	235.58	1/4		1/4		1/4	
1/2	2,359.11	1/2	1,999.85	1/2	1,640.60	1/2	1,290.25	1/2	945.23	1/2	587.34	1/2	228.10	1/2		1/2		1/2	
3/4	2,351.62	3/4	1,992.37	3/4	1,633.11	3/4	1,283.05	3/4	938.05	3/4	579.86	3/4	220.61	3/4		3/4		3/4	
1	2,344.14	1	1,984.88	1	1,625.63	1	1,275.85	1	930.87	1	572.37	1	213.13	1		1		1	
1/4	2,336.65	1/4	1,977.40	1/4	1,618.14	1/4	1,268.65	1/4	923.57	1/4	564.89	1/4	205.65	1/4		1/4		1/4	
1/2	2,329.17	1/2	1,969.91	1/2	1,610.66	1/2	1,261.45	1/2	916.28	1/2	557.41	1/2	198.16	1/2		1/2		1/2	
3/4	2,321.69	3/4	1,962.43	3/4	1,603.17	3/4	1,254.25	3/4	908.98	3/4	549.92	3/4	190.68	3/4		3/4		3/4	
2	2,314.20	2	1,954.95	2	1,595.69	2	1,247.05	2	901.68	2	542.44	2	183.20	2		2		2	
1/4	2,306.72	1/4	1,947.46	1/4	1,588.20	1/4	1,239.84	1/4	894.20	1/4	534.95	1/4	175.72	1/4		1/4		1/4	
1/2	2,299.23	1/2	1,939.98	1/2	1,580.72	1/2	1,232.64	1/2	886.71	1/2	527.47	1/2	168.25	1/2		1/2		1/2	
3/4	2,291.75	3/4	1,932.49	3/4	1,573.24	3/4	1,225.44	3/4	879.23	3/4	519.98	3/4	160.77	3/4		3/4		3/4	
3	2,284.26	3	1,925.01	3	1,565.75	3	1,218.24	3	871.75	3	512.50	3	153.30	3		3		3	
1/4	2,276.78	1/4	1,917.52	1/4	1,558.27	1/4	1,211.04	1/4	864.26	1/4	505.02	1/4	145.83	1/4		1/4		1/4	
1/2	2,269.29	1/2	1,910.04	1/2	1,550.78	1/2	1,203.85	1/2	856.78	1/2	497.53	1/2	138.37	1/2		1/2		1/2	
3/4	2,261.81	3/4	1,902.55	3/4	1,543.30	3/4	1,196.65	3/4	849.29	3/4	490.05	3/4	130.90	3/4		3/4		3/4	
4	2,254.33	4	1,895.07	4	1,535.81	4	1,189.45	4	841.81	4	482.56	4	123.44	4		4		4	
1/4	2,246.84	1/4	1,887.58	1/4	1,528.43	1/4	1,182.26	1/4	834.32	1/4	475.08	1/4	115.99	1/4		1/4		1/4	
1/2	2,239.36	1/2	1,880.10	1/2	1,521.06	1/2	1,175.08	1/2	826.84	1/2	467.59	1/2	108.54	1/2		1/2		1/2	
3/4	2,231.87	3/4	1,872.62	3/4	1,513.68	3/4	1,167.89	3/4	819.36	3/4	460.11	3/4	101.10	3/4		3/4		3/4	
5	2,224.39	5	1,865.13	5	1,506.30	5	1,160.70	5	811.87	5	452.63	5	93.65	5		5		5	
1/4	2,216.90	1/4	1,857.65	1/4	1,499.10	1/4	1,153.51	1/4	804.39	1/4	445.14	1/4	86.24	1/4		1/4		1/4	
1/2	2,209.42	1/2	1,850.16	1/2	1,491.90	1/2	1,146.33	1/2	796.90	1/2	437.66	1/2	78.82	1/2		1/2		1/2	
3/4	2,201.93	3/4	1,842.68	3/4	1,484.70	3/4	1,139.14	3/4	789.42	3/4	430.17	3/4	71.40	3/4		3/4		3/4	
6	2,194.45	6	1,835.19	6	1,477.49	6	1,131.95	6	781.93	6	422.69	6	63.99	6		6		6	
1/4	2,186.96	1/4	1,827.71	1/4	1,470.29	1/4	1,124.77	1/4	774.45	1/4	415.20	1/4	57.03	1/4		1/4		1/4	
1/2	2,179.48	1/2	1,820.22	1/2	1,463.09	1/2	1,117.59	1/2	766.97	1/2	407.72	1/2	50.08	1/2		1/2		1/2	
3/4	2,172.00	3/4	1,812.74	3/4	1,455.89	3/4	1,110.41	3/4	759.48	3/4	400.24	3/4	43.12	3/4		3/4		3/4	
7	2,164.51	7	1,805.26	7	1,448.69	7	1,103.23	7	752.00	7	392.75	7	36.17	7		7		7	
1/4	2,157.03	1/4	1,797.77	1/4	1,441.49	1/4	1,096.05	1/4	744.51	1/4	385.27	1/4	30.87	1/4		1/4		1/4	
1/2	2,149.54	1/2	1,790.29	1/2	1,434.28	1/2	1,088.86	1/2	737.03	1/2	377.78	1/2	25.57	1/2		1/2		1/2	
3/4	2,142.06	3/4	1,782.80	3/4	1,427.08	3/4	1,081.68	3/4	729.54	3/4	370.30	3/4	20.27	3/4		3/4		3/4	
8	2,134.57	8	1,775.32	8	1,419.88	8	1,074.50	8	722.06	8	362.81	8	14.97	8		8		8	
1/4	2,127.09	1/4	1,767.83	1/4	1,412.68	1/4	1,067.32	1/4	714.58	1/4	355.33	1/4		1/4		1/4		1/4	
1/2	2,119.60	1/2	1,760.35	1/2	1,405.48	1/2	1,060.14	1/2	707.09	1/2	347.84	1/2		1/2		1/2		1/2	
3/4	2,112.12	3/4	1,752.86	3/4	1,398.28	3/4	1,052.96	3/4	699.61	3/4	340.36	3/4		3/4		3/4		3/4	
9	2,104.64	9	1,745.38	9	1,391.08	9	1,045.77	9	692.12	9	332.88	9		9		9		9	
1/4	2,097.15	1/4	1,737.89	1/4	1,383.87	1/4	1,038.59	1/4	684.64	1/4	325.39	1/4		1/4		1/4		1/4	
1/2	2,089.67	1/2	1,730.41	1/2	1,376.67	1/2	1,031.41	1/2	677.15	1/2	317.91	1/2		1/2		1/2		1/2	
3/4	2,082.18	3/4	1,722.93	3/4	1,369.47	3/4	1,024.23	3/4	669.67	3/4	310.42	3/4		3/4		3/4		3/4	
10	2,074.70	10	1,715.44	10	1,362.27	10	1,017.05	10	662.19	10	302.94	10		10		10		10	
1/4	2,067.21	1/4	1,707.96	1/4	1,355.07	1/4	1,009.87	1/4	654.70	1/4	295.45	1/4		1/4		1/4		1/4	
1/2	2,059.73	1/2	1,700.47	1/2	1,347.87	1/2	1,002.68	1/2	647.22	1/2	287.97	1/2		1/2		1/2		1/2	
3/4	2,052.24	3/4	1,692.99	3/4	1,340.67	3/4	995.50	3/4	639.73	3/4	280.49	3/4		3/4		3/4		3/4	
11	2,044.76	11	1,685.50	11	1,333.46	11	988.32	11	632.25	11	273.00	11		11		11		11	
1/4	2,037.27	1/4	1,678.02	1/4	1,326.26	1/4	981.14	1/4	624.76	1/4	265.52	1/4		1/4		1/4		1/4	
1/2	2,029.79	1/2	1,670.53	1/2	1,319.06	1/2	973.96	1/2	617.28	1/2	258.03	1/2		1/2		1/2		1/2	
3/4	2,022.31	3/4	1,663.05	3/4	1,311.86	3/4	966.78	3/4	609.80	3/4	250.55	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/13/2014 CL
CALCULATED: 11/14/2014 CL
PRINTED: 11/14/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2014

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



BARGE "KIRBY 29123"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

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		0	4,487.45	0	4,164.54	0	3,826.49	0	3,473.65	0	3,115.99	0	2,756.81
1/4		1/4		1/4		1/4		1/4	4,480.87	1/4	4,157.64	1/4	3,819.28	1/4	3,466.20	1/4	3,108.50	1/4	2,749.33
1/2		1/2		1/2		1/2	4,791.40	1/2	4,474.29	1/2	4,150.74	1/2	3,812.06	1/2	3,458.75	1/2	3,101.02	1/2	2,741.85
3/4		3/4		3/4		3/4	4,786.28	3/4	4,467.70	3/4	4,143.84	3/4	3,804.85	3/4	3,451.30	3/4	3,093.54	3/4	2,734.36
1		1		1		1	4,781.17	1	4,461.12	1	4,136.94	1	3,797.63	1	3,443.85	1	3,086.06	1	2,726.88
1/4		1/4		1/4		1/4	4,774.83	1/4	4,454.52	1/4	4,130.01	1/4	3,790.39	1/4	3,436.40	1/4	3,078.57	1/4	2,719.40
1/2		1/2		1/2		1/2	4,768.48	1/2	4,447.91	1/2	4,123.09	1/2	3,783.15	1/2	3,428.95	1/2	3,071.09	1/2	2,711.92
3/4		3/4		3/4		3/4	4,762.14	3/4	4,441.30	3/4	4,116.17	3/4	3,775.90	3/4	3,421.50	3/4	3,063.61	3/4	2,704.43
2		2		2		2	4,755.80	2	4,434.69	2	4,109.24	2	3,768.66	2	3,414.05	2	3,056.12	2	2,696.95
1/4		1/4		1/4		1/4	4,748.57	1/4	4,428.06	1/4	4,102.30	1/4	3,761.40	1/4	3,406.59	1/4	3,048.64	1/4	2,689.47
1/2		1/2		1/2		1/2	4,741.33	1/2	4,421.43	1/2	4,095.35	1/2	3,754.13	1/2	3,399.14	1/2	3,041.16	1/2	2,681.98
3/4		3/4		3/4		3/4	4,734.10	3/4	4,414.79	3/4	4,088.40	3/4	3,746.87	3/4	3,391.69	3/4	3,033.68	3/4	2,674.50
3		3		3		3	4,726.87	3	4,408.16	3	4,081.45	3	3,739.60	3	3,384.24	3	3,026.19	3	2,667.02
1/4		1/4		1/4		1/4	4,719.42	1/4	4,401.50	1/4	4,074.47	1/4	3,732.31	1/4	3,376.79	1/4	3,018.71	1/4	2,659.54
1/2		1/2		1/2		1/2	4,711.97	1/2	4,394.84	1/2	4,067.50	1/2	3,725.02	1/2	3,369.34	1/2	3,011.23	1/2	2,652.05
3/4		3/4		3/4		3/4	4,704.52	3/4	4,388.18	3/4	4,060.52	3/4	3,717.73	3/4	3,361.89	3/4	3,003.74	3/4	2,644.57
4		4		4		4	4,697.07	4	4,381.52	4	4,053.54	4	3,710.44	4	3,354.44	4	2,996.26	4	2,637.09
1/4		1/4		1/4		1/4	4,690.02	1/4	4,374.83	1/4	4,046.54	1/4	3,703.12	1/4	3,346.99	1/4	2,988.78	1/4	2,629.60
1/2		1/2		1/2		1/2	4,682.97	1/2	4,368.14	1/2	4,039.54	1/2	3,695.80	1/2	3,339.54	1/2	2,981.30	1/2	2,622.12
3/4		3/4		3/4		3/4	4,675.91	3/4	4,361.45	3/4	4,032.54	3/4	3,688.48	3/4	3,332.09	3/4	2,973.81	3/4	2,614.64
5		5		5		5	4,668.86	5	4,354.77	5	4,025.54	5	3,681.17	5	3,324.64	5	2,966.33	5	2,607.16
1/4		1/4		1/4		1/4	4,662.46	1/4	4,348.05	1/4	4,018.51	1/4	3,673.82	1/4	3,317.19	1/4	2,958.85	1/4	2,599.67
1/2		1/2		1/2		1/2	4,656.06	1/2	4,341.34	1/2	4,011.48	1/2	3,666.48	1/2	3,309.74	1/2	2,951.36	1/2	2,592.19
3/4		3/4		3/4		3/4	4,649.66	3/4	4,334.63	3/4	4,004.45	3/4	3,659.14	3/4	3,302.29	3/4	2,943.88	3/4	2,584.71
6		6		6		6	4,643.26	6	4,327.91	6	3,997.42	6	3,651.79	6	3,294.84	6	2,936.40	6	2,577.22
1/4		1/4		1/4		1/4	4,636.84	1/4	4,321.17	1/4	3,990.36	1/4	3,644.42	1/4	3,287.39	1/4	2,928.92	1/4	2,569.74
1/2		1/2		1/2		1/2	4,630.41	1/2	4,314.43	1/2	3,983.31	1/2	3,637.05	1/2	3,279.93	1/2	2,921.43	1/2	2,562.26
3/4		3/4		3/4		3/4	4,623.99	3/4	4,307.69	3/4	3,976.25	3/4	3,629.68	3/4	3,272.48	3/4	2,913.95	3/4	2,554.78
7		7		7		7	4,617.56	7	4,300.95	7	3,969.20	7	3,622.31	7	3,265.03	7	2,906.47	7	2,547.29
1/4		1/4		1/4		1/4	4,611.11	1/4	4,294.18	1/4	3,962.12	1/4	3,614.91	1/4	3,257.58	1/4	2,898.99	1/4	2,539.81
1/2		1/2		1/2		1/2	4,604.66	1/2	4,287.42	1/2	3,955.03	1/2	3,607.51	1/2	3,250.13	1/2	2,891.50	1/2	2,532.33
3/4		3/4		3/4		3/4	4,598.21	3/4	4,280.65	3/4	3,947.95	3/4	3,600.12	3/4	3,242.68	3/4	2,884.02	3/4	2,524.85
8		8		8		8	4,591.75	8	4,273.88	8	3,940.87	8	3,592.72	8	3,235.23	8	2,876.54	8	2,517.36
1/4		1/4		1/4		1/4	4,585.27	1/4	4,267.09	1/4	3,933.76	1/4	3,585.30	1/4	3,227.78	1/4	2,869.05	1/4	2,509.88
1/2		1/2		1/2		1/2	4,578.80	1/2	4,260.29	1/2	3,926.65	1/2	3,577.87	1/2	3,220.33	1/2	2,861.57	1/2	2,502.40
3/4		3/4		3/4		3/4	4,572.32	3/4	4,253.50	3/4	3,919.55	3/4	3,570.45	3/4	3,212.88	3/4	2,854.09	3/4	2,494.91
9		9		9		9	4,565.84	9	4,246.71	9	3,912.44	9	3,563.03	9	3,205.43	9	2,846.61	9	2,487.43
1/4		1/4		1/4		1/4	4,559.33	1/4	4,239.89	1/4	3,905.30	1/4	3,555.58	1/4	3,197.98	1/4	2,839.12	1/4	2,479.95
1/2		1/2		1/2		1/2	4,552.83	1/2	4,233.07	1/2	3,898.17	1/2	3,548.14	1/2	3,190.53	1/2	2,831.64	1/2	2,472.47
3/4		3/4		3/4		3/4	4,546.32	3/4	4,226.25	3/4	3,891.03	3/4	3,540.70	3/4	3,183.08	3/4	2,824.16	3/4	2,464.98
10		10		10		10	4,539.81	10	4,219.43	10	3,883.89	10	3,533.26	10	3,175.63	10	2,816.67	10	2,457.50
1/4		1/4		1/4		1/4	4,533.28	1/4	4,212.58	1/4	3,876.73	1/4	3,525.80	1/4	3,168.18	1/4	2,809.19	1/4	2,450.02
1/2		1/2		1/2		1/2	4,526.75	1/2	4,205.73	1/2	3,869.57	1/2	3,518.35	1/2	3,160.72	1/2	2,801.71	1/2	2,442.53
3/4		3/4		3/4		3/4	4,520.22	3/4	4,198.88	3/4	3,862.41	3/4	3,510.90	3/4	3,153.27	3/4	2,794.23	3/4	2,435.05
11		11		11		11	4,513.69	11	4,192.04	11	3,855.25	11	3,503.45	11	3,145.82	11	2,786.74	11	2,427.57
1/4		1/4		1/4		1/4	4,507.13	1/4	4,185.16	1/4	3,848.06	1/4	3,496.00	1/4	3,138.36	1/4	2,779.26	1/4	2,420.09
1/2		1/2		1/2		1/2	4,500.57	1/2	4,178.29	1/2	3,840.87	1/2	3,488.55	1/2	3,130.91	1/2	2,771.78	1/2	2,412.60
3/4		3/4		3/4		3/4	4,494.01	3/4	4,171.42	3/4	3,833.68	3/4	3,481.10	3/4	3,123.45	3/4	2,764.29	3/4	2,405.12

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
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 52'-00" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 29123"

2 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

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	2,397.64	0	2,038.46	0	1,679.29	0	1,320.11	0	961.20	0	602.17	0	243.01	0		0		0	
1/4	2,390.15	1/4	2,030.98	1/4	1,671.81	1/4	1,312.63	1/4	953.73	1/4	594.68	1/4	235.52	1/4		1/4		1/4	
1/2	2,382.67	1/2	2,023.50	1/2	1,664.32	1/2	1,305.15	1/2	946.26	1/2	587.20	1/2	228.04	1/2		1/2		1/2	
3/4	2,375.19	3/4	2,016.01	3/4	1,656.84	3/4	1,297.67	3/4	938.79	3/4	579.72	3/4	220.56	3/4		3/4		3/4	
1	2,367.71	1	2,008.53	1	1,649.36	1	1,290.18	1	931.32	1	572.24	1	213.08	1		1		1	
1/4	2,360.22	1/4	2,001.05	1/4	1,641.87	1/4	1,282.70	1/4	923.85	1/4	564.75	1/4	205.60	1/4		1/4		1/4	
1/2	2,352.74	1/2	1,993.57	1/2	1,634.39	1/2	1,275.22	1/2	916.38	1/2	557.27	1/2	198.12	1/2		1/2		1/2	
3/4	2,345.26	3/4	1,986.08	3/4	1,626.91	3/4	1,267.73	3/4	908.91	3/4	549.79	3/4	190.64	3/4		3/4		3/4	
2	2,337.78	2	1,978.60	2	1,619.43	2	1,260.25	2	901.44	2	542.31	2	183.15	2		2		2	
1/4	2,330.29	1/4	1,971.12	1/4	1,611.94	1/4	1,252.77	1/4	893.96	1/4	534.82	1/4	175.68	1/4		1/4		1/4	
1/2	2,322.81	1/2	1,963.64	1/2	1,604.46	1/2	1,245.29	1/2	886.49	1/2	527.34	1/2	168.21	1/2		1/2		1/2	
3/4	2,315.33	3/4	1,956.15	3/4	1,596.98	3/4	1,237.80	3/4	879.01	3/4	519.86	3/4	160.73	3/4		3/4		3/4	
3	2,307.84	3	1,948.67	3	1,589.50	3	1,230.32	3	871.54	3	512.38	3	153.26	3		3		3	
1/4	2,300.36	1/4	1,941.19	1/4	1,582.01	1/4	1,222.84	1/4	864.05	1/4	504.89	1/4	145.80	1/4		1/4		1/4	
1/2	2,292.88	1/2	1,933.70	1/2	1,574.53	1/2	1,215.36	1/2	856.57	1/2	497.41	1/2	138.33	1/2		1/2		1/2	
3/4	2,285.40	3/4	1,926.22	3/4	1,567.05	3/4	1,207.87	3/4	849.09	3/4	489.93	3/4	130.87	3/4		3/4		3/4	
4	2,277.91	4	1,918.74	4	1,559.56	4	1,200.39	4	841.61	4	482.45	4	123.41	4		4		4	
1/4	2,270.43	1/4	1,911.26	1/4	1,552.08	1/4	1,192.91	1/4	834.12	1/4	474.96	1/4	115.96	1/4		1/4		1/4	
1/2	2,262.95	1/2	1,903.77	1/2	1,544.60	1/2	1,185.42	1/2	826.64	1/2	467.48	1/2	108.52	1/2		1/2		1/2	
3/4	2,255.46	3/4	1,896.29	3/4	1,537.12	3/4	1,177.94	3/4	819.16	3/4	460.00	3/4	101.07	3/4		3/4		3/4	
5	2,247.98	5	1,888.81	5	1,529.63	5	1,170.46	5	811.68	5	452.52	5	93.63	5		5		5	
1/4	2,240.50	1/4	1,881.32	1/4	1,522.15	1/4	1,162.98	1/4	804.19	1/4	445.03	1/4	86.21	1/4		1/4		1/4	
1/2	2,233.02	1/2	1,873.84	1/2	1,514.67	1/2	1,155.49	1/2	796.71	1/2	437.55	1/2	78.80	1/2		1/2		1/2	
3/4	2,225.53	3/4	1,866.36	3/4	1,507.18	3/4	1,148.01	3/4	789.23	3/4	430.07	3/4	71.39	3/4		3/4		3/4	
6	2,218.05	6	1,858.88	6	1,499.70	6	1,140.53	6	781.75	6	422.59	6	63.97	6		6		6	
1/4	2,210.57	1/4	1,851.39	1/4	1,492.22	1/4	1,133.05	1/4	774.26	1/4	415.10	1/4	57.02	1/4		1/4		1/4	
1/2	2,203.08	1/2	1,843.91	1/2	1,484.74	1/2	1,125.57	1/2	766.78	1/2	407.62	1/2	50.07	1/2		1/2		1/2	
3/4	2,195.60	3/4	1,836.43	3/4	1,477.25	3/4	1,118.09	3/4	759.30	3/4	400.14	3/4	43.11	3/4		3/4		3/4	
7	2,188.12	7	1,828.94	7	1,469.77	7	1,110.61	7	751.82	7	392.66	7	36.16	7		7		7	
1/4	2,180.64	1/4	1,821.46	1/4	1,462.29	1/4	1,103.14	1/4	744.33	1/4	385.17	1/4	30.86	1/4		1/4		1/4	
1/2	2,173.15	1/2	1,813.98	1/2	1,454.80	1/2	1,095.67	1/2	736.85	1/2	377.69	1/2	25.56	1/2		1/2		1/2	
3/4	2,165.67	3/4	1,806.50	3/4	1,447.32	3/4	1,088.20	3/4	729.37	3/4	370.21	3/4	20.26	3/4		3/4		3/4	
8	2,158.19	8	1,799.01	8	1,439.84	8	1,080.73	8	721.89	8	362.73	8	14.97	8		8		8	
1/4	2,150.71	1/4	1,791.53	1/4	1,432.36	1/4	1,073.26	1/4	714.40	1/4	355.24	1/4		1/4		1/4		1/4	
1/2	2,143.22	1/2	1,784.05	1/2	1,424.87	1/2	1,065.79	1/2	706.92	1/2	347.76	1/2		1/2		1/2		1/2	
3/4	2,135.74	3/4	1,776.57	3/4	1,417.39	3/4	1,058.32	3/4	699.44	3/4	340.28	3/4		3/4		3/4		3/4	
9	2,128.26	9	1,769.08	9	1,409.91	9	1,050.85	9	691.96	9	332.80	9		9		9		9	
1/4	2,120.77	1/4	1,761.60	1/4	1,402.43	1/4	1,043.38	1/4	684.47	1/4	325.31	1/4		1/4		1/4		1/4	
1/2	2,113.29	1/2	1,754.12	1/2	1,394.94	1/2	1,035.91	1/2	676.99	1/2	317.83	1/2		1/2		1/2		1/2	
3/4	2,105.81	3/4	1,746.63	3/4	1,387.46	3/4	1,028.44	3/4	669.51	3/4	310.35	3/4		3/4		3/4		3/4	
10	2,098.33	10	1,739.15	10	1,379.98	10	1,020.97	10	662.03	10	302.87	10		10		10		10	
1/4	2,090.84	1/4	1,731.67	1/4	1,372.49	1/4	1,013.50	1/4	654.54	1/4	295.38	1/4		1/4		1/4		1/4	
1/2	2,083.36	1/2	1,724.19	1/2	1,365.01	1/2	1,006.03	1/2	647.06	1/2	287.90	1/2		1/2		1/2		1/2	
3/4	2,075.88	3/4	1,716.70	3/4	1,357.53	3/4	998.56	3/4	639.58	3/4	280.42	3/4		3/4		3/4		3/4	
11	2,068.39	11	1,709.22	11	1,350.05	11	991.08	11	632.10	11	272.94	11		11		11		11	
1/4	2,060.91	1/4	1,701.74	1/4	1,342.56	1/4	983.61	1/4	624.61	1/4	265.45	1/4		1/4		1/4		1/4	
1/2	2,053.43	1/2	1,694.25	1/2	1,335.08	1/2	976.14	1/2	617.13	1/2	257.97	1/2		1/2		1/2		1/2	
3/4	2,045.95	3/4	1,686.77	3/4	1,327.60	3/4	968.67	3/4	609.65	3/4	250.49	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/13/2014 CL
CALCULATED: 11/14/2014 CL
PRINTED: 11/14/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2014

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



BARGE "KIRBY 29123"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	0	0	0	4,355.91	0	4,115.75	0	3,869.95	0	3,612.17	0	3,342.66	0	2,992.51	0	2,636.58
1/4		1/4		1/4		1/4	4,351.29	1/4	4,110.75	1/4	3,864.70	1/4	3,606.67	1/4	3,336.96	1/4	2,985.09	1/4	2,629.16
1/2		1/2		1/2		1/2	4,346.66	1/2	4,105.75	1/2	3,859.44	1/2	3,601.17	1/2	3,331.26	1/2	2,977.68	1/2	2,621.75
3/4		3/4		3/4		3/4	4,342.03	3/4	4,100.75	3/4	3,854.19	3/4	3,595.67	3/4	3,325.57	3/4	2,970.26	3/4	2,614.33
1	1	1	1	1	1	1	4,337.89	1	4,095.73	1	3,848.92	1	3,590.15	1	3,318.15	1	2,962.85	1	2,606.92
1/4		1/4		1/4		1/4	4,333.74	1/4	4,090.71	1/4	3,843.64	1/4	3,584.62	1/4	3,310.73	1/4	2,955.43	1/4	2,599.50
1/2		1/2		1/2		1/2	4,329.59	1/2	4,085.69	1/2	3,838.37	1/2	3,579.10	1/2	3,303.31	1/2	2,948.02	1/2	2,592.09
3/4		3/4		3/4		3/4	4,325.45	3/4	4,080.67	3/4	3,833.10	3/4	3,573.57	3/4	3,295.90	3/4	2,940.60	3/4	2,584.67
2	2	2	2	2	2	2	4,320.10	2	4,075.63	2	3,827.81	2	3,568.03	2	3,288.48	2	2,933.19	2	2,577.24
1/4		1/4		1/4		1/4	4,314.75	1/4	4,070.58	1/4	3,822.52	1/4	3,562.49	1/4	3,281.06	1/4	2,925.77	1/4	2,569.84
1/2		1/2		1/2		1/2	4,309.40	1/2	4,065.54	1/2	3,817.23	1/2	3,556.94	1/2	3,273.64	1/2	2,918.36	1/2	2,562.43
3/4		3/4		3/4		3/4	4,304.06	3/4	4,060.50	3/4	3,811.94	3/4	3,551.40	3/4	3,266.22	3/4	2,910.94	3/4	2,555.01
3	3	3	3	3	3	3	4,298.36	3	4,055.44	3	3,806.63	3	3,545.84	3	3,258.80	3	2,903.53	3	2,547.60
1/4		1/4		1/4		1/4	4,292.66	1/4	4,050.37	1/4	3,801.31	1/4	3,540.28	1/4	3,251.39	1/4	2,896.11	1/4	2,540.18
1/2		1/2		1/2		1/2	4,286.97	1/2	4,045.31	1/2	3,796.00	1/2	3,534.72	1/2	3,243.97	1/2	2,888.69	1/2	2,532.77
3/4		3/4		3/4		3/4	4,281.27	3/4	4,040.25	3/4	3,790.69	3/4	3,529.16	3/4	3,236.55	3/4	2,881.28	3/4	2,525.35
4	4	4	4	4	4	4	4,275.57	4	4,035.17	4	3,785.35	4	3,523.58	4	3,229.13	4	2,873.86	4	2,517.93
1/4		1/4		1/4		1/4	4,269.88	1/4	4,030.08	1/4	3,780.02	1/4	3,517.99	1/4	3,221.71	1/4	2,866.45	1/4	2,510.52
1/2		1/2		1/2		1/2	4,264.18	1/2	4,025.00	1/2	3,774.69	1/2	3,512.41	1/2	3,214.29	1/2	2,859.03	1/2	2,503.10
3/4		3/4		3/4		3/4	4,258.49	3/4	4,019.91	3/4	3,769.36	3/4	3,506.83	3/4	3,206.88	3/4	2,851.62	3/4	2,495.69
5	5	5	5	5	5	5	4,253.63	5	4,014.81	5	3,764.00	5	3,501.22	5	3,199.49	5	2,844.20	5	2,488.27
1/4		1/4		1/4		1/4	4,248.77	1/4	4,009.70	1/4	3,758.65	1/4	3,495.62	1/4	3,192.09	1/4	2,836.79	1/4	2,480.86
1/2		1/2		1/2		1/2	4,243.92	1/2	4,004.60	1/2	3,753.29	1/2	3,490.02	1/2	3,184.70	1/2	2,829.37	1/2	2,473.44
3/4		3/4		3/4		3/4	4,239.06	3/4	3,999.50	3/4	3,747.93	3/4	3,484.42	3/4	3,177.31	3/4	2,821.96	3/4	2,466.03
6	6	6	6	6	6	6	4,234.18	6	3,994.37	6	3,742.56	6	3,478.79	6	3,169.92	6	2,814.54	6	2,458.61
1/4		1/4		1/4		1/4	4,229.31	1/4	3,989.24	1/4	3,737.19	1/4	3,473.17	1/4	3,162.53	1/4	2,807.13	1/4	2,451.20
1/2		1/2		1/2		1/2	4,224.43	1/2	3,984.11	1/2	3,731.81	1/2	3,467.54	1/2	3,155.14	1/2	2,799.71	1/2	2,443.78
3/4		3/4		3/4		3/4	4,219.56	3/4	3,978.99	3/4	3,726.44	3/4	3,461.91	3/4	3,147.75	3/4	2,792.30	3/4	2,436.37
7	7	7	7	7	7	7	4,214.66	7	3,973.84	7	3,721.04	7	3,456.27	7	3,140.36	7	2,784.88	7	2,428.95
1/4		1/4		1/4		1/4	4,209.76	1/4	3,968.70	1/4	3,715.65	1/4	3,450.62	1/4	3,132.96	1/4	2,777.47	1/4	2,421.54
1/2		1/2		1/2		1/2	4,204.86	1/2	3,963.55	1/2	3,710.25	1/2	3,444.98	1/2	3,125.57	1/2	2,770.05	1/2	2,414.12
3/4		3/4		3/4		3/4	4,199.96	3/4	3,958.41	3/4	3,704.85	3/4	3,439.34	3/4	3,118.18	3/4	2,762.64	3/4	2,406.71
8	8	8	8	8	8	8	4,195.04	8	3,953.24	8	3,699.44	8	3,433.67	8	3,110.79	8	2,755.22	8	2,399.29
1/4		1/4		1/4		1/4	4,190.13	1/4	3,948.07	1/4	3,694.02	1/4	3,428.00	1/4	3,103.40	1/4	2,747.81	1/4	2,391.88
1/2		1/2		1/2		1/2	4,185.21	1/2	3,942.90	1/2	3,688.60	1/2	3,422.33	1/2	3,096.01	1/2	2,740.39	1/2	2,384.46
3/4		3/4		3/4		3/4	4,180.29	3/4	3,937.73	3/4	3,683.19	3/4	3,416.67	3/4	3,088.62	3/4	2,732.98	3/4	2,377.05
9	9	9	9	9	9	9	4,175.35	9	3,932.54	9	3,677.75	9	3,410.98	9	3,081.23	9	2,725.56	9	2,369.63
1/4		1/4		1/4		1/4	4,170.41	1/4	3,927.35	1/4	3,672.31	1/4	3,405.29	1/4	3,073.83	1/4	2,718.15	1/4	2,362.21
1/2		1/2		1/2		1/2	4,165.47	1/2	3,922.16	1/2	3,666.87	1/2	3,399.61	1/2	3,066.44	1/2	2,710.73	1/2	2,354.80
3/4		3/4		3/4		3/4	4,160.53	3/4	3,916.98	3/4	3,661.43	3/4	3,393.92	3/4	3,059.05	3/4	2,703.31	3/4	2,347.38
10	10	10	10	10	10	10	4,155.57	10	3,911.76	10	3,655.97	10	3,388.22	10	3,051.66	10	2,695.90	10	2,339.97
1/4		1/4		1/4		1/4	4,150.61	1/4	3,906.55	1/4	3,650.51	1/4	3,382.53	1/4	3,044.27	1/4	2,688.48	1/4	2,332.55
1/2		1/2		1/2		1/2	4,145.65	1/2	3,901.34	1/2	3,645.06	1/2	3,376.83	1/2	3,036.88	1/2	2,681.07	1/2	2,325.14
3/4		3/4		3/4		3/4	4,140.69	3/4	3,896.13	3/4	3,639.60	3/4	3,371.14	3/4	3,029.49	3/4	2,673.65	3/4	2,317.72
11	11	11	11	11	11	11	4,135.71	11	3,890.90	11	3,634.12	11	3,365.44	11	3,022.10	11	2,666.24	11	2,310.30
1/4		1/4		1/4		1/4	4,130.72	1/4	3,885.67	1/4	3,628.63	1/4	3,359.74	1/4	3,014.71	1/4	2,658.82	1/4	2,302.89
1/2		1/2		1/2		1/2	4,125.74	1/2	3,880.44	1/2	3,623.15	1/2	3,354.05	1/2	3,007.31	1/2	2,651.41	1/2	2,295.47
3/4		3/4		3/4		3/4	4,360.54	3/4	4,120.75	3/4	3,875.21	3/4	3,617.67	3/4	3,348.35	3/4	2,999.92	3/4	2,288.06

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
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 29123"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	2,280.64	0	1,924.28	0	1,568.84	0	1,212.55	0	869.05	0	512.59	0	155.90	0		0		0	
1/4	2,273.23	1/4	1,916.85	1/4	1,561.43	1/4	1,205.39	1/4	861.64	1/4	505.16	1/4	148.47	1/4		1/4		1/4	
1/2	2,265.81	1/2	1,909.42	1/2	1,554.03	1/2	1,198.23	1/2	854.23	1/2	497.73	1/2	141.04	1/2		1/2		1/2	
3/4	2,258.39	3/4	1,901.99	3/4	1,546.63	3/4	1,191.07	3/4	846.82	3/4	490.30	3/4	133.60	3/4		3/4		3/4	
1	2,250.98	1	1,894.59	1	1,539.20	1	1,183.90	1	839.41	1	482.87	1	126.17	1		1		1	
1/4	2,243.56	1/4	1,887.19	1/4	1,531.77	1/4	1,176.74	1/4	832.00	1/4	475.43	1/4	118.74	1/4		1/4		1/4	
1/2	2,236.15	1/2	1,879.78	1/2	1,524.34	1/2	1,169.58	1/2	824.59	1/2	468.00	1/2	111.31	1/2		1/2		1/2	
3/4	2,228.73	3/4	1,872.38	3/4	1,516.91	3/4	1,162.42	3/4	817.18	3/4	460.57	3/4	103.88	3/4		3/4		3/4	
2	2,221.32	2	1,864.98	2	1,509.48	2	1,155.26	2	809.77	2	453.14	2	96.77	2		2		2	
1/4	2,213.90	1/4	1,857.57	1/4	1,502.05	1/4	1,148.09	1/4	802.36	1/4	445.71	1/4	89.65	1/4		1/4		1/4	
1/2	2,206.48	1/2	1,850.17	1/2	1,494.62	1/2	1,140.93	1/2	794.95	1/2	438.28	1/2	82.53	1/2		1/2		1/2	
3/4	2,199.07	3/4	1,842.77	3/4	1,487.19	3/4	1,133.77	3/4	787.54	3/4	430.85	3/4	75.42	3/4		3/4		3/4	
3	2,191.65	3	1,835.36	3	1,479.76	3	1,126.61	3	780.11	3	423.42	3	69.24	3		3		3	
1/4	2,184.24	1/4	1,827.96	1/4	1,472.33	1/4	1,119.44	1/4	772.68	1/4	415.99	1/4	63.06	1/4		1/4		1/4	
1/2	2,176.82	1/2	1,820.55	1/2	1,464.90	1/2	1,112.28	1/2	765.25	1/2	408.56	1/2	56.89	1/2		1/2		1/2	
3/4	2,169.41	3/4	1,813.15	3/4	1,457.47	3/4	1,105.12	3/4	757.82	3/4	401.12	3/4	50.71	3/4		3/4		3/4	
4	2,161.99	4	1,805.75	4	1,450.04	4	1,097.96	4	750.39	4	393.69	4	45.79	4		4		4	
1/4	2,154.57	1/4	1,798.34	1/4	1,442.61	1/4	1,090.80	1/4	742.95	1/4	386.26	1/4	40.87	1/4		1/4		1/4	
1/2	2,147.16	1/2	1,790.94	1/2	1,435.18	1/2	1,083.63	1/2	735.52	1/2	378.83	1/2	35.94	1/2		1/2		1/2	
3/4	2,139.74	3/4	1,783.54	3/4	1,427.75	3/4	1,076.47	3/4	728.09	3/4	371.40	3/4	31.02	3/4		3/4		3/4	
5	2,132.31	5	1,776.13	5	1,420.32	5	1,069.32	5	720.66	5	363.97	5	27.36	5		5		5	
1/4	2,124.88	1/4	1,768.73	1/4	1,412.89	1/4	1,062.18	1/4	713.23	1/4	356.54	1/4	23.70	1/4		1/4		1/4	
1/2	2,117.45	1/2	1,761.33	1/2	1,405.46	1/2	1,055.03	1/2	705.80	1/2	349.11	1/2	20.04	1/2		1/2		1/2	
3/4	2,110.02	3/4	1,753.92	3/4	1,398.03	3/4	1,047.88	3/4	698.37	3/4	341.68	3/4	16.38	3/4		3/4		3/4	
6	2,102.60	6	1,746.52	6	1,390.60	6	1,040.73	6	690.94	6	334.24	6		6		6		6	
1/4	2,095.17	1/4	1,739.12	1/4	1,383.17	1/4	1,033.58	1/4	683.51	1/4	326.81	1/4		1/4		1/4		1/4	
1/2	2,087.74	1/2	1,731.71	1/2	1,375.74	1/2	1,026.44	1/2	676.07	1/2	319.38	1/2		1/2		1/2		1/2	
3/4	2,080.31	3/4	1,724.31	3/4	1,368.31	3/4	1,019.29	3/4	668.64	3/4	311.95	3/4		3/4		3/4		3/4	
7	2,072.88	7	1,716.91	7	1,360.88	7	1,012.14	7	661.21	7	304.52	7		7		7		7	
1/4	2,065.45	1/4	1,709.50	1/4	1,353.45	1/4	1,005.00	1/4	653.78	1/4	297.09	1/4		1/4		1/4		1/4	
1/2	2,058.02	1/2	1,702.10	1/2	1,346.02	1/2	997.85	1/2	646.35	1/2	289.66	1/2		1/2		1/2		1/2	
3/4	2,050.59	3/4	1,694.70	3/4	1,338.59	3/4	990.71	3/4	638.92	3/4	282.23	3/4		3/4		3/4		3/4	
8	2,043.16	8	1,687.29	8	1,331.16	8	983.57	8	631.49	8	274.80	8		8		8		8	
1/4	2,035.73	1/4	1,679.89	1/4	1,323.73	1/4	976.43	1/4	624.06	1/4	267.36	1/4		1/4		1/4		1/4	
1/2	2,028.30	1/2	1,672.48	1/2	1,316.30	1/2	969.29	1/2	616.63	1/2	259.93	1/2		1/2		1/2		1/2	
3/4	2,020.87	3/4	1,665.08	3/4	1,308.87	3/4	962.15	3/4	609.19	3/4	252.50	3/4		3/4		3/4		3/4	
9	2,013.44	9	1,657.68	9	1,301.44	9	955.01	9	601.76	9	245.07	9		9		9		9	
1/4	2,006.01	1/4	1,650.27	1/4	1,294.01	1/4	947.86	1/4	594.33	1/4	237.64	1/4		1/4		1/4		1/4	
1/2	1,998.58	1/2	1,642.87	1/2	1,286.58	1/2	940.72	1/2	586.90	1/2	230.21	1/2		1/2		1/2		1/2	
3/4	1,991.15	3/4	1,635.47	3/4	1,279.15	3/4	933.58	3/4	579.47	3/4	222.78	3/4		3/4		3/4		3/4	
10	1,983.72	10	1,628.06	10	1,271.72	10	926.44	10	572.04	10	215.35	10		10		10		10	
1/4	1,976.29	1/4	1,620.66	1/4	1,264.29	1/4	919.30	1/4	564.61	1/4	207.92	1/4		1/4		1/4		1/4	
1/2	1,968.86	1/2	1,613.26	1/2	1,256.86	1/2	912.16	1/2	557.18	1/2	200.48	1/2		1/2		1/2		1/2	
3/4	1,961.43	3/4	1,605.85	3/4	1,249.43	3/4	905.02	3/4	549.75	3/4	193.05	3/4		3/4		3/4		3/4	
11	1,954.00	11	1,598.45	11	1,242.00	11	897.88	11	542.31	11	185.62	11		11		11		11	
1/4	1,946.57	1/4	1,591.05	1/4	1,234.57	1/4	890.74	1/4	534.88	1/4	178.19	1/4		1/4		1/4		1/4	
1/2	1,939.14	1/2	1,583.64	1/2	1,227.14	1/2	883.60	1/2	527.45	1/2	170.76	1/2		1/2		1/2		1/2	
3/4	1,931.71	3/4	1,576.24	3/4	1,219.71	3/4	876.46	3/4	520.02	3/4	163.33	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/13/2014 CL
CALCULATED: 11/14/2014 CL
PRINTED: 11/14/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2014

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



BARGE "KIRBY 29123"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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	0	0	0	4,386.35	0	4,145.51	0	3,898.93	0	3,640.35	0	3,369.97	0	3,019.77	0	2,662.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,381.70	1/4	4,140.49	1/4	3,893.66	1/4	3,634.83	1/4	3,364.25	1/4	3,012.33	1/4	2,655.25
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,377.05	1/2	4,135.47	1/2	3,888.38	1/2	3,629.31	1/2	3,358.54	1/2	3,004.89	1/2	2,647.81
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,372.40	3/4	4,130.45	3/4	3,883.10	3/4	3,623.79	3/4	3,352.82	3/4	2,997.45	3/4	2,640.37
1	1	1	1	1	1	1	4,367.75	1	4,125.42	1	3,877.83	1	3,618.27	1	3,347.10	1	2,990.01	1	2,632.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,363.58	1/4	4,120.38	1/4	3,872.53	1/4	3,612.72	1/4	3,339.66	1/4	2,982.58	1/4	2,625.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,359.41	1/2	4,115.34	1/2	3,867.24	1/2	3,607.17	1/2	3,332.22	1/2	2,975.14	1/2	2,618.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,355.24	3/4	4,110.30	3/4	3,861.95	3/4	3,601.63	3/4	3,324.78	3/4	2,967.70	3/4	2,610.62
2	2	2	2	2	2	2	4,351.08	2	4,105.26	2	3,856.65	2	3,596.08	2	3,317.34	2	2,960.26	2	2,603.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,345.71	1/4	4,100.19	1/4	3,851.34	1/4	3,590.51	1/4	3,309.90	1/4	2,952.82	1/4	2,595.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,340.34	1/2	4,095.13	1/2	3,846.03	1/2	3,584.95	1/2	3,302.46	1/2	2,945.38	1/2	2,588.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,334.97	3/4	4,090.06	3/4	3,840.72	3/4	3,579.39	3/4	3,295.02	3/4	2,937.94	3/4	2,580.86
3	3	3	3	3	3	3	4,329.60	3	4,085.00	3	3,835.41	3	3,573.82	3	3,287.58	3	2,930.50	3	2,573.42
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,323.88	1/4	4,079.92	1/4	3,830.07	1/4	3,568.24	1/4	3,280.14	1/4	2,923.06	1/4	2,565.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,318.16	1/2	4,074.83	1/2	3,824.74	1/2	3,562.66	1/2	3,272.70	1/2	2,915.62	1/2	2,558.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,312.44	3/4	4,069.75	3/4	3,819.40	3/4	3,557.08	3/4	3,265.27	3/4	2,908.18	3/4	2,551.10
4	4	4	4	4	4	4	4,306.73	4	4,064.67	4	3,814.07	4	3,551.49	4	3,257.83	4	2,900.74	4	2,543.66
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,301.01	1/4	4,059.56	1/4	3,808.71	1/4	3,545.89	1/4	3,250.39	1/4	2,893.31	1/4	2,536.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,295.29	1/2	4,054.45	1/2	3,803.36	1/2	3,540.28	1/2	3,242.95	1/2	2,885.87	1/2	2,528.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,289.57	3/4	4,049.35	3/4	3,798.01	3/4	3,534.68	3/4	3,235.51	3/4	2,878.43	3/4	2,521.35
5	5	5	5	5	5	5	4,283.86	5	4,044.24	5	3,792.65	5	3,529.07	5	3,228.07	5	2,870.99	5	2,513.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,278.98	1/4	4,039.12	1/4	3,787.27	1/4	3,523.45	1/4	3,220.63	1/4	2,863.55	1/4	2,506.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,274.10	1/2	4,033.99	1/2	3,781.90	1/2	3,517.82	1/2	3,213.19	1/2	2,856.11	1/2	2,499.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,269.22	3/4	4,028.86	3/4	3,776.52	3/4	3,512.20	3/4	3,205.75	3/4	2,848.67	3/4	2,491.59
6	6	6	6	6	6	6	4,264.34	6	4,023.74	6	3,771.14	6	3,506.58	6	3,198.31	6	2,841.23	6	2,484.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,259.45	1/4	4,018.59	1/4	3,765.75	1/4	3,500.93	1/4	3,190.87	1/4	2,833.79	1/4	2,476.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,254.55	1/2	4,013.44	1/2	3,760.35	1/2	3,495.28	1/2	3,183.43	1/2	2,826.35	1/2	2,469.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,249.65	3/4	4,008.29	3/4	3,754.96	3/4	3,489.63	3/4	3,175.99	3/4	2,818.91	3/4	2,461.83
7	7	7	7	7	7	7	4,244.76	7	4,003.15	7	3,749.56	7	3,483.99	7	3,168.56	7	2,811.47	7	2,454.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,239.84	1/4	3,997.98	1/4	3,744.14	1/4	3,478.32	1/4	3,161.12	1/4	2,804.03	1/4	2,446.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,234.91	1/2	3,992.81	1/2	3,738.72	1/2	3,472.65	1/2	3,153.68	1/2	2,796.60	1/2	2,439.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,229.99	3/4	3,987.64	3/4	3,733.30	3/4	3,466.99	3/4	3,146.24	3/4	2,789.16	3/4	2,432.07
8	8	8	8	8	8	8	4,225.07	8	3,982.48	8	3,727.89	8	3,461.32	8	3,138.80	8	2,781.72	8	2,424.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,220.13	1/4	3,977.28	1/4	3,722.45	1/4	3,455.63	1/4	3,131.36	1/4	2,774.28	1/4	2,417.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,215.19	1/2	3,972.09	1/2	3,717.01	1/2	3,449.94	1/2	3,123.92	1/2	2,766.84	1/2	2,409.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,210.26	3/4	3,966.90	3/4	3,711.57	3/4	3,444.25	3/4	3,116.48	3/4	2,759.40	3/4	2,402.32
9	9	9	9	9	9	9	4,205.32	9	3,961.71	9	3,706.13	9	3,438.56	9	3,109.04	9	2,751.96	9	2,394.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,200.35	1/4	3,956.50	1/4	3,700.67	1/4	3,432.85	1/4	3,101.60	1/4	2,744.52	1/4	2,387.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,195.39	1/2	3,951.29	1/2	3,695.21	1/2	3,427.15	1/2	3,094.16	1/2	2,737.08	1/2	2,380.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,190.43	3/4	3,946.08	3/4	3,689.75	3/4	3,421.44	3/4	3,086.72	3/4	2,729.64	3/4	2,372.56
10	10	10	10	10	10	10	4,185.46	10	3,940.87	10	3,684.29	10	3,415.73	10	3,079.29	10	2,722.20	10	2,365.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,180.48	1/4	3,935.64	1/4	3,678.81	1/4	3,410.01	1/4	3,071.85	1/4	2,714.76	1/4	2,357.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,175.50	1/2	3,930.41	1/2	3,673.33	1/2	3,404.29	1/2	3,064.41	1/2	2,707.33	1/2	2,350.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,170.52	3/4	3,925.17	3/4	3,667.85	3/4	3,398.57	3/4	3,056.97	3/4	2,699.89	3/4	2,342.80
11	11	11	11	11	11	11	4,165.54	11	3,919.94	11	3,662.37	11	3,392.85	11	3,049.53	11	2,692.45	11	2,335.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,160.53	1/4	3,914.69	1/4	3,656.86	1/4	3,387.13	1/4	3,042.09	1/4	2,685.01	1/4	2,327.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,155.53	1/2	3,909.44	1/2	3,651.36	1/2	3,381.41	1/2	3,034.65	1/2	2,677.57	1/2	2,320.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,150.52	3/4	3,904.18	3/4	3,645.86	3/4	3,375.69	3/4	3,027.21	3/4	2,670.13	3/4	2,313.05

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
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 29123"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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	2,305.61	0	1,948.53	0	1,591.45	0	1,234.36	0	877.52	0	520.59	0	163.52	0		0		0	
1/4	2,298.17	1/4	1,941.09	1/4	1,584.01	1/4	1,226.92	1/4	870.09	1/4	513.15	1/4	156.08	1/4		1/4		1/4	
1/2	2,290.73	1/2	1,933.65	1/2	1,576.57	1/2	1,219.49	1/2	862.67	1/2	505.71	1/2	148.64	1/2		1/2		1/2	
3/4	2,283.29	3/4	1,926.21	3/4	1,569.13	3/4	1,212.05	3/4	855.24	3/4	498.27	3/4	141.20	3/4		3/4		3/4	
1	2,275.85	1	1,918.77	1	1,561.69	1	1,204.61	1	847.81	1	490.83	1	133.76	1		1		1	
1/4	2,268.41	1/4	1,911.33	1/4	1,554.25	1/4	1,197.17	1/4	840.38	1/4	483.39	1/4	126.32	1/4		1/4		1/4	
1/2	2,260.97	1/2	1,903.89	1/2	1,546.81	1/2	1,189.73	1/2	832.96	1/2	475.95	1/2	118.88	1/2		1/2		1/2	
3/4	2,253.53	3/4	1,896.45	3/4	1,539.37	3/4	1,182.29	3/4	825.53	3/4	468.52	3/4	111.44	3/4		3/4		3/4	
2	2,246.09	2	1,889.01	2	1,531.93	2	1,174.85	2	818.10	2	461.08	2	104.01	2		2		2	
1/4	2,238.66	1/4	1,881.57	1/4	1,524.49	1/4	1,167.41	1/4	810.67	1/4	453.64	1/4	96.88	1/4		1/4		1/4	
1/2	2,231.22	1/2	1,874.13	1/2	1,517.05	1/2	1,159.97	1/2	803.25	1/2	446.20	1/2	89.76	1/2		1/2		1/2	
3/4	2,223.78	3/4	1,866.70	3/4	1,509.61	3/4	1,152.53	3/4	795.82	3/4	438.76	3/4	82.63	3/4		3/4		3/4	
3	2,216.34	3	1,859.26	3	1,502.17	3	1,145.09	3	788.39	3	431.32	3	75.51	3		3		3	
1/4	2,208.90	1/4	1,851.82	1/4	1,494.74	1/4	1,137.65	1/4	780.95	1/4	423.88	1/4	69.32	1/4		1/4		1/4	
1/2	2,201.46	1/2	1,844.38	1/2	1,487.30	1/2	1,130.21	1/2	773.51	1/2	416.44	1/2	63.14	1/2		1/2		1/2	
3/4	2,194.02	3/4	1,836.94	3/4	1,479.86	3/4	1,122.78	3/4	766.08	3/4	409.00	3/4	56.95	3/4		3/4		3/4	
4	2,186.58	4	1,829.50	4	1,472.42	4	1,115.34	4	758.64	4	401.56	4	50.77	4		4		4	
1/4	2,179.14	1/4	1,822.06	1/4	1,464.98	1/4	1,107.90	1/4	751.20	1/4	394.13	1/4	45.83	1/4		1/4		1/4	
1/2	2,171.70	1/2	1,814.62	1/2	1,457.54	1/2	1,100.46	1/2	743.76	1/2	386.69	1/2	40.90	1/2		1/2		1/2	
3/4	2,164.26	3/4	1,807.18	3/4	1,450.10	3/4	1,093.02	3/4	736.32	3/4	379.25	3/4	35.97	3/4		3/4		3/4	
5	2,156.82	5	1,799.74	5	1,442.66	5	1,085.58	5	728.88	5	371.81	5	31.04	5		5		5	
1/4	2,149.39	1/4	1,792.30	1/4	1,435.22	1/4	1,078.14	1/4	721.44	1/4	364.37	1/4	27.37	1/4		1/4		1/4	
1/2	2,141.95	1/2	1,784.86	1/2	1,427.78	1/2	1,070.70	1/2	714.00	1/2	356.93	1/2	23.70	1/2		1/2		1/2	
3/4	2,134.51	3/4	1,777.43	3/4	1,420.34	3/4	1,063.26	3/4	706.56	3/4	349.49	3/4	20.04	3/4		3/4		3/4	
6	2,127.07	6	1,769.99	6	1,412.90	6	1,055.82	6	699.12	6	342.05	6	16.37	6		6		6	
1/4	2,119.63	1/4	1,762.55	1/4	1,405.47	1/4	1,048.38	1/4	691.69	1/4	334.61	1/4		1/4		1/4		1/4	
1/2	2,112.19	1/2	1,755.11	1/2	1,398.03	1/2	1,040.94	1/2	684.25	1/2	327.17	1/2		1/2		1/2		1/2	
3/4	2,104.75	3/4	1,747.67	3/4	1,390.59	3/4	1,033.51	3/4	676.81	3/4	319.74	3/4		3/4		3/4		3/4	
7	2,097.31	7	1,740.23	7	1,383.15	7	1,026.07	7	669.37	7	312.30	7		7		7		7	
1/4	2,089.87	1/4	1,732.79	1/4	1,375.71	1/4	1,018.64	1/4	661.93	1/4	304.86	1/4		1/4		1/4		1/4	
1/2	2,082.43	1/2	1,725.35	1/2	1,368.27	1/2	1,011.21	1/2	654.49	1/2	297.42	1/2		1/2		1/2		1/2	
3/4	2,074.99	3/4	1,717.91	3/4	1,360.83	3/4	1,003.78	3/4	647.05	3/4	289.98	3/4		3/4		3/4		3/4	
8	2,067.55	8	1,710.47	8	1,353.39	8	996.36	8	639.61	8	282.54	8		8		8		8	
1/4	2,060.11	1/4	1,703.03	1/4	1,345.95	1/4	988.93	1/4	632.17	1/4	275.10	1/4		1/4		1/4		1/4	
1/2	2,052.68	1/2	1,695.59	1/2	1,338.51	1/2	981.50	1/2	624.73	1/2	267.66	1/2		1/2		1/2		1/2	
3/4	2,045.24	3/4	1,688.15	3/4	1,331.07	3/4	974.07	3/4	617.30	3/4	260.22	3/4		3/4		3/4		3/4	
9	2,037.80	9	1,680.72	9	1,323.63	9	966.65	9	609.86	9	252.78	9		9		9		9	
1/4	2,030.36	1/4	1,673.28	1/4	1,316.19	1/4	959.22	1/4	602.42	1/4	245.35	1/4		1/4		1/4		1/4	
1/2	2,022.92	1/2	1,665.84	1/2	1,308.76	1/2	951.79	1/2	594.98	1/2	237.91	1/2		1/2		1/2		1/2	
3/4	2,015.48	3/4	1,658.40	3/4	1,301.32	3/4	944.37	3/4	587.54	3/4	230.47	3/4		3/4		3/4		3/4	
10	2,008.04	10	1,650.96	10	1,293.88	10	936.94	10	580.10	10	223.03	10		10		10		10	
1/4	2,000.60	1/4	1,643.52	1/4	1,286.44	1/4	929.51	1/4	572.66	1/4	215.59	1/4		1/4		1/4		1/4	
1/2	1,993.16	1/2	1,636.08	1/2	1,279.00	1/2	922.08	1/2	565.22	1/2	208.15	1/2		1/2		1/2		1/2	
3/4	1,985.72	3/4	1,628.64	3/4	1,271.56	3/4	914.66	3/4	557.78	3/4	200.71	3/4		3/4		3/4		3/4	
11	1,978.28	11	1,621.20	11	1,264.12	11	907.23	11	550.34	11	193.27	11		11		11		11	
1/4	1,970.84	1/4	1,613.76	1/4	1,256.68	1/4	899.80	1/4	542.91	1/4	185.83	1/4		1/4		1/4		1/4	
1/2	1,963.41	1/2	1,606.32	1/2	1,249.24	1/2	892.37	1/2	535.47	1/2	178.39	1/2		1/2		1/2		1/2	
3/4	1,955.97	3/4	1,598.88	3/4	1,241.80	3/4	884.95	3/4	528.03	3/4	170.96	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/13/2014 CL
CALCULATED: 11/14/2014 CL
PRINTED: 11/14/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2014

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