



# BARGE "KIRBY 29118"

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

(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 - 00-5/8"  
 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"

September 25, 2014

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>





# BARGE "KIRBY 29118"

## 1 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.
	2,410.84	0	2,034.10	0	1,657.36	0	1,282.01	0	906.04	0	529.34	0	182.20	0		0		0	
1/4	2,402.99	1/4	2,026.25	1/4	1,649.51	1/4	1,274.21	1/4	898.19	1/4	521.50	1/4	175.60	1/4		1/4		1/4	
1/2	2,395.14	1/2	2,018.40	1/2	1,641.66	1/2	1,266.41	1/2	890.34	1/2	513.71	1/2	169.10	1/2		1/2		1/2	
3/4	2,387.29	3/4	2,010.55	3/4	1,633.81	3/4	1,258.61	3/4	882.49	3/4	505.92	3/4	162.60	3/4		3/4		3/4	
1	2,379.44	1	2,002.70	1	1,625.97	1	1,250.81	1	874.65	1	498.13	1	156.11	1		1		1	
1/4	2,371.59	1/4	1,994.85	1/4	1,618.12	1/4	1,243.01	1/4	866.80	1/4	490.34	1/4	149.61	1/4		1/4		1/4	
1/2	2,363.74	1/2	1,987.01	1/2	1,610.27	1/2	1,235.21	1/2	858.95	1/2	482.64	1/2	143.23	1/2		1/2		1/2	
3/4	2,355.89	3/4	1,979.16	3/4	1,602.42	3/4	1,227.41	3/4	851.10	3/4	474.94	3/4	136.85	3/4		3/4		3/4	
2	2,348.05	2	1,971.31	2	1,594.57	2	1,219.61	2	843.25	2	467.25	2	130.46	2		2		2	
1/4	2,340.20	1/4	1,963.46	1/4	1,586.72	1/4	1,211.81	1/4	835.40	1/4	459.55	1/4	124.08	1/4		1/4		1/4	
1/2	2,332.35	1/2	1,955.61	1/2	1,578.87	1/2	1,204.01	1/2	827.55	1/2	451.96	1/2	117.82	1/2		1/2		1/2	
3/4	2,324.50	3/4	1,947.76	3/4	1,571.02	3/4	1,196.21	3/4	819.71	3/4	444.37	3/4	111.56	3/4		3/4		3/4	
3	2,316.65	3	1,939.91	3	1,563.18	3	1,188.41	3	811.86	3	436.78	3	105.30	3		3		3	
1/4	2,308.80	1/4	1,932.07	1/4	1,555.33	1/4	1,180.62	1/4	804.01	1/4	429.19	1/4	99.04	1/4		1/4		1/4	
1/2	2,300.95	1/2	1,924.22	1/2	1,547.49	1/2	1,172.80	1/2	796.16	1/2	421.71	1/2	92.91	1/2		1/2		1/2	
3/4	2,293.11	3/4	1,916.37	3/4	1,539.65	3/4	1,164.98	3/4	788.31	3/4	414.23	3/4	86.78	3/4		3/4		3/4	
4	2,285.26	4	1,908.52	4	1,531.81	4	1,157.16	4	780.46	4	406.75	4	80.64	4		4		4	
1/4	2,277.41	1/4	1,900.67	1/4	1,523.98	1/4	1,149.34	1/4	772.62	1/4	399.27	1/4	74.51	1/4		1/4		1/4	
1/2	2,269.56	1/2	1,892.82	1/2	1,516.16	1/2	1,141.49	1/2	764.77	1/2	391.90	1/2	68.52	1/2		1/2		1/2	
3/4	2,261.71	3/4	1,884.97	3/4	1,508.34	3/4	1,133.65	3/4	756.92	3/4	384.52	3/4	62.53	3/4		3/4		3/4	
5	2,253.86	5	1,877.12	5	1,500.52	5	1,125.80	5	749.07	5	377.15	5	56.54	5		5		5	
1/4	2,246.01	1/4	1,869.28	1/4	1,492.70	1/4	1,117.95	1/4	741.22	1/4	369.78	1/4	50.55	1/4		1/4		1/4	
1/2	2,238.16	1/2	1,861.43	1/2	1,484.89	1/2	1,110.10	1/2	733.37	1/2	362.52	1/2	45.15	1/2		1/2		1/2	
3/4	2,230.32	3/4	1,853.58	3/4	1,477.07	3/4	1,102.25	3/4	725.52	3/4	355.26	3/4	39.75	3/4		3/4		3/4	
6	2,222.47	6	1,845.73	6	1,469.26	6	1,094.40	6	717.68	6	347.99	6	34.35	6		6		6	
1/4	2,214.62	1/4	1,837.88	1/4	1,461.44	1/4	1,086.56	1/4	709.83	1/4	340.73	1/4	28.95	1/4		1/4		1/4	
1/2	2,206.77	1/2	1,830.03	1/2	1,453.64	1/2	1,078.71	1/2	701.98	1/2	333.58	1/2	25.00	1/2		1/2		1/2	
3/4	2,198.92	3/4	1,822.18	3/4	1,445.83	3/4	1,070.86	3/4	694.13	3/4	326.43	3/4	21.05	3/4		3/4		3/4	
7	2,191.07	7	1,814.33	7	1,438.02	7	1,063.01	7	686.28	7	319.27	7	17.10	7		7		7	
1/4	2,183.22	1/4	1,806.49	1/4	1,430.22	1/4	1,055.16	1/4	678.43	1/4	312.12	1/4	13.14	1/4		1/4		1/4	
1/2	2,175.37	1/2	1,798.64	1/2	1,422.41	1/2	1,047.31	1/2	670.58	1/2	305.07	1/2		1/2		1/2		1/2	
3/4	2,167.53	3/4	1,790.79	3/4	1,414.61	3/4	1,039.46	3/4	662.74	3/4	298.03	3/4		3/4		3/4		3/4	
8	2,159.68	8	1,782.94	8	1,406.80	8	1,031.62	8	654.89	8	290.99	8	8	8		8		8	
1/4	2,151.83	1/4	1,775.09	1/4	1,399.00	1/4	1,023.77	1/4	647.04	1/4	283.94	1/4		1/4		1/4		1/4	
1/2	2,143.98	1/2	1,767.24	1/2	1,391.20	1/2	1,015.92	1/2	639.19	1/2	277.01	1/2		1/2		1/2		1/2	
3/4	2,136.13	3/4	1,759.39	3/4	1,383.40	3/4	1,008.07	3/4	631.34	3/4	270.07	3/4		3/4		3/4		3/4	
9	2,128.28	9	1,751.54	9	1,375.60	9	1,000.22	9	623.49	9	263.14	9	9	9		9		9	
1/4	2,120.43	1/4	1,743.70	1/4	1,367.80	1/4	992.37	1/4	615.65	1/4	256.20	1/4		1/4		1/4		1/4	
1/2	2,112.59	1/2	1,735.85	1/2	1,360.00	1/2	984.52	1/2	607.80	1/2	249.37	1/2		1/2		1/2		1/2	
3/4	2,104.74	3/4	1,728.00	3/4	1,352.20	3/4	976.68	3/4	599.95	3/4	242.55	3/4		3/4		3/4		3/4	
10	2,096.89	10	1,720.15	10	1,344.40	10	968.83	10	592.10	10	235.72	10	10	10		10		10	
1/4	2,089.04	1/4	1,712.30	1/4	1,336.61	1/4	960.98	1/4	584.25	1/4	228.90	1/4		1/4		1/4		1/4	
1/2	2,081.19	1/2	1,704.45	1/2	1,328.81	1/2	953.13	1/2	576.40	1/2	222.18	1/2		1/2		1/2		1/2	
3/4	2,073.34	3/4	1,696.60	3/4	1,321.01	3/4	945.28	3/4	568.55	3/4	215.46	3/4		3/4		3/4		3/4	
11	2,065.49	11	1,688.76	11	1,313.21	11	937.43	11	560.71	11	208.74	11	11	11		11		11	
1/4	2,057.64	1/4	1,680.91	1/4	1,305.41	1/4	929.59	1/4	552.86	1/4	202.03	1/4		1/4		1/4		1/4	
1/2	2,049.80	1/2	1,673.06	1/2	1,297.61	1/2	921.74	1/2	545.02	1/2	195.42	1/2		1/2		1/2		1/2	
3/4	2,041.95	3/4	1,665.21	3/4	1,289.81	3/4	913.89	3/4	537.18	3/4	188.81	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/24/2014 CL  
CALCULATED: 09/24/2014 CL  
PRINTED: 09/24/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2014

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "KIRBY 29118"

## 1 STBD 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	0	0	0	4,939.23	0	4,606.22	0	4,267.76	0	3,912.86	0	3,542.14	0	3,166.81	0	2,789.99
1/4		1/4		1/4		1/4	4,933.87	1/4	4,599.35	1/4	4,260.55	1/4	3,905.30	1/4	3,534.32	1/4	3,158.96	1/4	2,782.14
1/2		1/2		1/2		1/2	4,927.22	1/2	4,592.45	1/2	4,253.30	1/2	3,897.71	1/2	3,526.51	1/2	3,151.11	1/2	2,774.29
3/4		3/4		3/4		3/4	4,920.56	3/4	4,585.55	3/4	4,246.06	3/4	3,890.12	3/4	3,518.69	3/4	3,143.26	3/4	2,766.43
1	1	1	1	1	1	1	4,913.90	1	4,578.65	1	4,238.82	1	3,882.53	1	3,510.87	1	3,135.41	1	2,758.58
1/4		1/4		1/4		1/4	4,907.25	1/4	4,571.75	1/4	4,231.58	1/4	3,874.94	1/4	3,503.06	1/4	3,127.56	1/4	2,750.73
1/2		1/2		1/2		1/2	4,899.66	1/2	4,564.83	1/2	4,224.30	1/2	3,867.33	1/2	3,495.24	1/2	3,119.71	1/2	2,742.88
3/4		3/4		3/4		3/4	4,892.07	3/4	4,557.90	3/4	4,217.03	3/4	3,859.72	3/4	3,487.43	3/4	3,111.86	3/4	2,735.03
2	2	2	2	2	2	2	4,884.49	2	4,550.97	2	4,209.76	2	3,852.10	2	3,479.61	2	3,104.01	2	2,727.18
1/4		1/4		1/4		1/4	4,876.90	1/4	4,544.04	1/4	4,202.49	1/4	3,844.49	1/4	3,471.80	1/4	3,096.16	1/4	2,719.33
1/2		1/2		1/2		1/2	4,869.08	1/2	4,537.08	1/2	4,195.19	1/2	3,836.85	1/2	3,463.98	1/2	3,088.31	1/2	2,711.48
3/4		3/4		3/4		3/4	4,861.27	3/4	4,530.13	3/4	4,187.89	3/4	3,829.20	3/4	3,456.16	3/4	3,080.45	3/4	2,703.63
3	3	3	3	3	3	3	4,853.45	3	4,523.17	3	4,180.59	3	3,821.56	3	3,448.35	3	3,072.60	3	2,695.78
1/4		1/4		1/4		1/4	4,845.64	1/4	4,516.21	1/4	4,173.29	1/4	3,813.92	1/4	3,440.53	1/4	3,064.75	1/4	2,687.93
1/2		1/2		1/2		1/2	4,838.25	1/2	4,509.23	1/2	4,165.96	1/2	3,806.25	1/2	3,432.72	1/2	3,056.90	1/2	2,680.08
3/4		3/4		3/4		3/4	4,830.87	3/4	4,502.24	3/4	4,158.64	3/4	3,798.58	3/4	3,424.90	3/4	3,049.05	3/4	2,672.23
4	4	4	4	4	4	4	4,823.49	4	4,495.25	4	4,151.31	4	3,790.90	4	3,417.09	4	3,041.20	4	2,664.38
1/4		1/4		1/4		1/4	4,816.10	1/4	4,488.27	1/4	4,143.98	1/4	3,783.23	1/4	3,409.27	1/4	3,033.35	1/4	2,656.53
1/2		1/2		1/2		1/2	4,809.43	1/2	4,481.25	1/2	4,136.62	1/2	3,775.53	1/2	3,401.45	1/2	3,025.50	1/2	2,648.68
3/4		3/4		3/4		3/4	4,802.76	3/4	4,474.24	3/4	4,129.26	3/4	3,767.83	3/4	3,393.64	3/4	3,017.65	3/4	2,640.83
5	5	5	5	5	5	5	4,796.08	5	4,467.22	5	4,121.91	5	3,760.13	5	3,385.82	5	3,009.80	5	2,632.98
1/4		1/4		1/4		1/4	4,789.41	1/4	4,460.21	1/4	4,114.55	1/4	3,752.44	1/4	3,378.01	1/4	3,001.95	1/4	2,625.13
1/2		1/2		1/2		1/2	4,782.71	1/2	4,453.17	1/2	4,107.16	1/2	3,744.71	1/2	3,370.19	1/2	2,994.10	1/2	2,617.28
3/4		3/4		3/4		3/4	4,776.01	3/4	4,446.12	3/4	4,099.78	3/4	3,736.98	3/4	3,362.37	3/4	2,986.25	3/4	2,609.42
6	6	6	6	6	6	6	4,769.31	6	4,439.08	6	4,092.39	6	3,729.25	6	3,354.56	6	2,978.40	6	2,601.57
1/4		1/4		1/4		1/4	4,762.61	1/4	4,432.03	1/4	4,085.01	1/4	3,721.52	1/4	3,346.74	1/4	2,970.55	1/4	2,593.72
1/2		1/2		1/2		1/2	4,755.88	1/2	4,424.96	1/2	4,077.59	1/2	3,713.76	1/2	3,338.93	1/2	2,962.70	1/2	2,585.87
3/4		3/4		3/4		3/4	4,749.15	3/4	4,417.89	3/4	4,070.18	3/4	3,706.00	3/4	3,331.11	3/4	2,954.85	3/4	2,578.02
7	7	7	7	7	7	7	4,742.41	7	4,410.82	7	4,062.76	7	3,698.25	7	3,323.30	7	2,947.00	7	2,570.17
1/4		1/4		1/4		1/4	4,735.68	1/4	4,403.75	1/4	4,055.34	1/4	3,690.49	1/4	3,315.48	1/4	2,939.15	1/4	2,562.32
1/2		1/2		1/2		1/2	4,728.92	1/2	4,396.64	1/2	4,047.90	1/2	3,682.70	1/2	3,307.66	1/2	2,931.30	1/2	2,554.47
3/4		3/4		3/4		3/4	4,722.17	3/4	4,389.54	3/4	4,040.46	3/4	3,674.92	3/4	3,299.85	3/4	2,923.44	3/4	2,546.62
8	8	8	8	8	8	8	4,715.41	8	4,382.44	8	4,033.01	8	3,667.13	8	3,292.03	8	2,915.59	8	2,538.77
1/4		1/4		1/4		1/4	4,708.65	1/4	4,375.34	1/4	4,025.57	1/4	3,659.34	1/4	3,284.22	1/4	2,907.74	1/4	2,530.92
1/2		1/2		1/2		1/2	4,701.86	1/2	4,368.21	1/2	4,018.10	1/2	3,651.53	1/2	3,276.40	1/2	2,899.89	1/2	2,523.07
3/4		3/4		3/4		3/4	4,695.07	3/4	4,361.08	3/4	4,010.62	3/4	3,643.73	3/4	3,268.59	3/4	2,892.04	3/4	2,515.22
9	9	9	9	9	9	9	4,688.28	9	4,353.95	9	4,003.15	9	3,635.92	9	3,260.77	9	2,884.19	9	2,507.37
1/4		1/4		1/4		1/4	4,681.49	1/4	4,346.81	1/4	3,995.68	1/4	3,628.11	1/4	3,252.95	1/4	2,876.34	1/4	2,499.52
1/2		1/2		1/2		1/2	4,674.67	1/2	4,339.65	1/2	3,988.17	1/2	3,620.30	1/2	3,245.14	1/2	2,868.49	1/2	2,491.67
3/4		3/4		3/4		3/4	4,667.86	3/4	4,332.49	3/4	3,980.67	3/4	3,612.48	3/4	3,237.32	3/4	2,860.64	3/4	2,483.82
10	10	10	10	10	10	10	4,661.04	10	4,325.33	10	3,973.17	10	3,604.66	10	3,229.51	10	2,852.79	10	2,475.97
1/4		1/4		1/4		1/4	4,654.22	1/4	4,318.17	1/4	3,965.67	1/4	3,596.85	1/4	3,221.69	1/4	2,844.94	1/4	2,468.12
1/2		1/2		1/2		1/2	4,647.38	1/2	4,310.99	1/2	3,958.14	1/2	3,589.03	1/2	3,213.86	1/2	2,837.09	1/2	2,460.27
3/4		3/4		3/4		3/4	4,640.53	3/4	4,303.80	3/4	3,950.61	3/4	3,581.22	3/4	3,206.03	3/4	2,829.24	3/4	2,452.41
11	11	11	11	11	11	11	4,633.68	11	4,296.61	11	3,943.07	11	3,573.40	11	3,198.19	11	2,821.39	11	2,444.56
1/4		1/4		1/4		1/4	4,626.83	1/4	4,289.42	1/4	3,935.54	1/4	3,565.59	1/4	3,190.36	1/4	2,813.54	1/4	2,436.71
1/2		1/2		1/2		1/2	4,619.96	1/2	4,282.20	1/2	3,927.98	1/2	3,557.77	1/2	3,182.51	1/2	2,805.69	1/2	2,428.86
3/4		3/4		3/4		3/4	4,944.60	3/4	4,613.09	3/4	4,274.98	3/4	3,920.42	3/4	3,549.95	3/4	3,174.66	3/4	2,421.01

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'-09" FORWARD OF AFT BULKHEAD

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



# BARGE "KIRBY 29118"

**1 STBD  
ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

10 FT.				11 FT.				12 FT.				13 FT.				14 FT.				15 FT.				16 FT.				17 FT.				18 FT.				19 FT.																							
IN	0	1/4	1/2	3/4	IN	0	1/4	1/2	3/4	IN	0	1/4	1/2	3/4	IN	0	1/4	1/2	3/4	IN	0	1/4	1/2	3/4	IN	0	1/4	1/2	3/4	IN	0	1/4	1/2	3/4	IN	0	1/4	1/2	3/4	IN	0	1/4	1/2	3/4															
0	2,413.16	2,405.31	2,397.46	2,389.61	1	2,381.76	2,373.91	2,366.06	2,358.21	2	2,350.36	2,342.51	2,334.66	2,326.81	3	2,318.96	2,311.11	2,303.26	2,295.40	4	2,287.55	2,279.70	2,271.85	2,264.00	5	2,256.15	2,248.30	2,240.45	2,232.60	6	2,224.75	2,216.90	2,209.05	2,201.20	7	2,193.35	2,185.50	2,177.65	2,169.80	8	2,161.95	2,154.10	2,146.25	2,138.39	9	2,130.54	2,122.69	2,114.84	2,106.99	10	2,099.14	2,091.29	2,083.44	2,075.59	11	2,067.74	2,059.89	2,052.04	2,044.19

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/24/2014 CL  
CALCULATED: 09/24/2014 CL  
PRINTED: 09/24/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2014

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



# BARGE "KIRBY 29118"

## 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	0	0	0	0	4,465.49	0	4,142.43	0	3,804.21	0	3,451.20	0	3,093.33	0	2,733.99
1/4		1/4		1/4		1/4		1/4	4,458.90	1/4	4,135.52	1/4	3,796.99	1/4	3,443.74	1/4	3,085.85	1/4	2,726.50
1/2		1/2		1/2		1/2	4,769.58	1/2	4,452.32	1/2	4,128.62	1/2	3,789.77	1/2	3,436.29	1/2	3,078.36	1/2	2,719.02
3/4		3/4		3/4		3/4	4,764.47	3/4	4,445.73	3/4	4,121.71	3/4	3,782.56	3/4	3,428.84	3/4	3,070.87	3/4	2,711.53
1	1	1	1	1	1	1	4,759.35	1	4,439.15	1	4,114.81	1	3,775.34	1	3,421.38	1	3,063.39	1	2,704.05
1/4		1/4		1/4		1/4	4,753.01	1/4	4,432.54	1/4	4,107.88	1/4	3,768.09	1/4	3,413.93	1/4	3,055.90	1/4	2,696.56
1/2		1/2		1/2		1/2	4,746.66	1/2	4,425.93	1/2	4,100.95	1/2	3,760.84	1/2	3,406.47	1/2	3,048.42	1/2	2,689.07
3/4		3/4		3/4		3/4	4,740.31	3/4	4,419.32	3/4	4,094.03	3/4	3,753.60	3/4	3,399.02	3/4	3,040.93	3/4	2,681.59
2	2	2	2	2	2	2	4,733.97	2	4,412.71	2	4,087.10	2	3,746.35	2	3,391.56	2	3,033.44	2	2,674.10
1/4		1/4		1/4		1/4	4,726.73	1/4	4,406.07	1/4	4,080.15	1/4	3,739.08	1/4	3,384.11	1/4	3,025.96	1/4	2,666.61
1/2		1/2		1/2		1/2	4,719.50	1/2	4,399.43	1/2	4,073.20	1/2	3,731.81	1/2	3,376.66	1/2	3,018.47	1/2	2,659.13
3/4		3/4		3/4		3/4	4,712.26	3/4	4,392.80	3/4	4,066.24	3/4	3,724.55	3/4	3,369.20	3/4	3,010.98	3/4	2,651.64
3	3	3	3	3	3	3	4,705.03	3	4,386.16	3	4,059.29	3	3,717.28	3	3,361.75	3	3,003.50	3	2,644.16
1/4		1/4		1/4		1/4	4,697.58	1/4	4,379.49	1/4	4,052.31	1/4	3,709.98	1/4	3,354.29	1/4	2,996.01	1/4	2,636.67
1/2		1/2		1/2		1/2	4,690.12	1/2	4,372.83	1/2	4,045.33	1/2	3,702.69	1/2	3,346.84	1/2	2,988.52	1/2	2,629.18
3/4		3/4		3/4		3/4	4,682.67	3/4	4,366.17	3/4	4,038.35	3/4	3,695.39	3/4	3,339.39	3/4	2,981.04	3/4	2,621.70
4	4	4	4	4	4	4	4,675.21	4	4,359.50	4	4,031.37	4	3,688.10	4	3,331.93	4	2,973.55	4	2,614.21
1/4		1/4		1/4		1/4	4,668.16	1/4	4,352.81	1/4	4,024.37	1/4	3,680.78	1/4	3,324.48	1/4	2,966.07	1/4	2,606.72
1/2		1/2		1/2		1/2	4,661.10	1/2	4,346.12	1/2	4,017.36	1/2	3,673.46	1/2	3,317.02	1/2	2,958.58	1/2	2,599.24
3/4		3/4		3/4		3/4	4,654.04	3/4	4,339.43	3/4	4,010.36	3/4	3,666.14	3/4	3,309.57	3/4	2,951.09	3/4	2,591.75
5	5	5	5	5	5	5	4,646.99	5	4,332.74	5	4,003.35	5	3,658.82	5	3,302.11	5	2,943.61	5	2,584.26
1/4		1/4		1/4		1/4	4,640.59	1/4	4,326.02	1/4	3,996.32	1/4	3,651.47	1/4	3,294.66	1/4	2,936.12	1/4	2,576.78
1/2		1/2		1/2		1/2	4,634.18	1/2	4,319.31	1/2	3,989.29	1/2	3,644.12	1/2	3,287.21	1/2	2,928.63	1/2	2,569.29
3/4		3/4		3/4		3/4	4,627.78	3/4	4,312.59	3/4	3,982.25	3/4	3,636.77	3/4	3,279.75	3/4	2,921.15	3/4	2,561.81
6	6	6	6	6	6	6	4,621.38	6	4,305.87	6	3,975.22	6	3,629.43	6	3,272.30	6	2,913.66	6	2,554.32
1/4		1/4		1/4		1/4	4,614.95	1/4	4,299.13	1/4	3,968.16	1/4	3,622.05	1/4	3,264.84	1/4	2,906.18	1/4	2,546.83
1/2		1/2		1/2		1/2	4,608.52	1/2	4,292.39	1/2	3,961.10	1/2	3,614.68	1/2	3,257.39	1/2	2,898.69	1/2	2,539.35
3/4		3/4		3/4		3/4	4,602.09	3/4	4,285.64	3/4	3,954.05	3/4	3,607.30	3/4	3,249.93	3/4	2,891.20	3/4	2,531.86
7	7	7	7	7	7	7	4,595.67	7	4,278.90	7	3,946.99	7	3,599.93	7	3,242.48	7	2,883.72	7	2,524.37
1/4		1/4		1/4		1/4	4,589.21	1/4	4,272.13	1/4	3,939.90	1/4	3,592.53	1/4	3,235.03	1/4	2,876.23	1/4	2,516.89
1/2		1/2		1/2		1/2	4,582.75	1/2	4,265.36	1/2	3,932.82	1/2	3,585.13	1/2	3,227.57	1/2	2,868.74	1/2	2,509.40
3/4		3/4		3/4		3/4	4,576.30	3/4	4,258.59	3/4	3,925.73	3/4	3,577.73	3/4	3,220.12	3/4	2,861.26	3/4	2,501.92
8	8	8	8	8	8	8	4,569.84	8	4,251.82	8	3,918.64	8	3,570.33	8	3,212.66	8	2,853.77	8	2,494.43
1/4		1/4		1/4		1/4	4,563.36	1/4	4,245.02	1/4	3,911.53	1/4	3,562.90	1/4	3,205.21	1/4	2,846.29	1/4	2,486.94
1/2		1/2		1/2		1/2	4,556.88	1/2	4,238.22	1/2	3,904.42	1/2	3,555.47	1/2	3,197.76	1/2	2,838.80	1/2	2,479.46
3/4		3/4		3/4		3/4	4,550.40	3/4	4,231.43	3/4	3,897.31	3/4	3,548.04	3/4	3,190.30	3/4	2,831.31	3/4	2,471.97
9	9	9	9	9	9	9	4,543.92	9	4,224.63	9	3,890.20	9	3,540.62	9	3,182.85	9	2,823.83	9	2,464.48
1/4		1/4		1/4		1/4	4,537.41	1/4	4,217.81	1/4	3,883.06	1/4	3,533.17	1/4	3,175.39	1/4	2,816.34	1/4	2,457.00
1/2		1/2		1/2		1/2	4,530.90	1/2	4,210.98	1/2	3,875.92	1/2	3,525.72	1/2	3,167.94	1/2	2,808.85	1/2	2,449.51
3/4		3/4		3/4		3/4	4,524.39	3/4	4,204.16	3/4	3,868.78	3/4	3,518.28	3/4	3,160.48	3/4	2,801.37	3/4	2,442.02
10	10	10	10	10	10	10	4,517.88	10	4,197.34	10	3,861.64	10	3,510.83	10	3,153.03	10	2,793.88	10	2,434.54
1/4		1/4		1/4		1/4	4,511.34	1/4	4,190.48	1/4	3,854.48	1/4	3,503.38	1/4	3,145.58	1/4	2,786.39	1/4	2,427.05
1/2		1/2		1/2		1/2	4,504.81	1/2	4,183.63	1/2	3,847.31	1/2	3,495.92	1/2	3,138.12	1/2	2,778.91	1/2	2,419.57
3/4		3/4		3/4		3/4	4,498.27	3/4	4,176.78	3/4	3,840.15	3/4	3,488.47	3/4	3,130.67	3/4	2,771.42	3/4	2,412.08
11	11	11	11	11	11	11	4,491.74	11	4,169.93	11	3,832.98	11	3,481.02	11	3,123.21	11	2,763.94	11	2,404.59
1/4		1/4		1/4		1/4	4,485.18	1/4	4,163.06	1/4	3,825.79	1/4	3,473.56	1/4	3,115.74	1/4	2,756.45	1/4	2,397.11
1/2		1/2		1/2		1/2	4,478.61	1/2	4,156.18	1/2	3,818.60	1/2	3,466.11	1/2	3,108.27	1/2	2,748.96	1/2	2,389.62
3/4		3/4		3/4		3/4	4,472.05	3/4	4,149.30	3/4	3,811.40	3/4	3,458.65	3/4	3,100.80	3/4	2,741.48	3/4	2,382.13

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  
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# BARGE "KIRBY 29118"

## 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	2,374.65	0	2,015.31	0	1,655.96	0	1,304.97	0	959.83	0	602.46	0	243.12	0		0		0	
1/4	2,367.16	1/4	2,007.82	1/4	1,648.48	1/4	1,297.77	1/4	952.64	1/4	594.97	1/4	235.64	1/4		1/4		1/4	
1/2	2,359.68	1/2	2,000.33	1/2	1,640.99	1/2	1,290.56	1/2	945.46	1/2	587.48	1/2	228.15	1/2		1/2		1/2	
3/4	2,352.19	3/4	1,992.85	3/4	1,633.50	3/4	1,283.36	3/4	938.28	3/4	580.00	3/4	220.67	3/4		3/4		3/4	
1	2,344.70	1	1,985.36	1	1,626.02	1	1,276.16	1	931.09	1	572.51	1	213.18	1		1		1	
1/4	2,337.22	1/4	1,977.87	1/4	1,618.53	1/4	1,268.96	1/4	923.79	1/4	565.03	1/4	205.70	1/4		1/4		1/4	
1/2	2,329.73	1/2	1,970.39	1/2	1,611.05	1/2	1,261.75	1/2	916.50	1/2	557.54	1/2	198.21	1/2		1/2		1/2	
3/4	2,322.24	3/4	1,962.90	3/4	1,603.56	3/4	1,254.55	3/4	909.20	3/4	550.05	3/4	190.73	3/4		3/4		3/4	
2	2,314.76	2	1,955.42	2	1,596.07	2	1,247.35	2	901.90	2	542.57	2	183.24	2		2		2	
1/4	2,307.27	1/4	1,947.93	1/4	1,588.59	1/4	1,240.14	1/4	894.41	1/4	535.08	1/4	175.77	1/4		1/4		1/4	
1/2	2,299.79	1/2	1,940.44	1/2	1,581.10	1/2	1,232.94	1/2	886.93	1/2	527.59	1/2	168.29	1/2		1/2		1/2	
3/4	2,292.30	3/4	1,932.96	3/4	1,573.61	3/4	1,225.74	3/4	879.44	3/4	520.11	3/4	160.81	3/4		3/4		3/4	
3	2,284.81	3	1,925.47	3	1,566.13	3	1,218.53	3	871.96	3	512.62	3	153.33	3		3		3	
1/4	2,277.33	1/4	1,917.98	1/4	1,558.64	1/4	1,211.33	1/4	864.47	1/4	505.14	1/4	145.87	1/4		1/4		1/4	
1/2	2,269.84	1/2	1,910.50	1/2	1,551.16	1/2	1,204.14	1/2	856.98	1/2	497.65	1/2	138.40	1/2		1/2		1/2	
3/4	2,262.35	3/4	1,903.01	3/4	1,543.67	3/4	1,196.94	3/4	849.50	3/4	490.16	3/4	130.93	3/4		3/4		3/4	
4	2,254.87	4	1,895.53	4	1,536.18	4	1,189.74	4	842.01	4	482.68	4	123.47	4		4		4	
1/4	2,247.38	1/4	1,888.04	1/4	1,528.80	1/4	1,182.55	1/4	834.52	1/4	475.19	1/4	116.02	1/4		1/4		1/4	
1/2	2,239.89	1/2	1,880.55	1/2	1,521.42	1/2	1,175.36	1/2	827.04	1/2	467.71	1/2	108.57	1/2		1/2		1/2	
3/4	2,232.41	3/4	1,873.07	3/4	1,514.04	3/4	1,168.17	3/4	819.55	3/4	460.22	3/4	101.12	3/4		3/4		3/4	
5	2,224.92	5	1,865.58	5	1,506.66	5	1,160.98	5	812.07	5	452.73	5	93.67	5		5		5	
1/4	2,217.44	1/4	1,858.09	1/4	1,499.46	1/4	1,153.79	1/4	804.58	1/4	445.25	1/4	86.26	1/4		1/4		1/4	
1/2	2,209.95	1/2	1,850.61	1/2	1,492.25	1/2	1,146.60	1/2	797.09	1/2	437.76	1/2	78.84	1/2		1/2		1/2	
3/4	2,202.46	3/4	1,843.12	3/4	1,485.05	3/4	1,139.41	3/4	789.61	3/4	430.28	3/4	71.42	3/4		3/4		3/4	
6	2,194.98	6	1,835.63	6	1,477.85	6	1,132.22	6	782.12	6	422.79	6	64.00	6		6		6	
1/4	2,187.49	1/4	1,828.15	1/4	1,470.64	1/4	1,125.04	1/4	774.64	1/4	415.30	1/4	57.05	1/4		1/4		1/4	
1/2	2,180.00	1/2	1,820.66	1/2	1,463.44	1/2	1,117.86	1/2	767.15	1/2	407.82	1/2	50.09	1/2		1/2		1/2	
3/4	2,172.52	3/4	1,813.18	3/4	1,456.24	3/4	1,110.67	3/4	759.66	3/4	400.33	3/4	43.13	3/4		3/4		3/4	
7	2,165.03	7	1,805.69	7	1,449.04	7	1,103.49	7	752.18	7	392.85	7	36.17	7		7		7	
1/4	2,157.55	1/4	1,798.20	1/4	1,441.83	1/4	1,096.31	1/4	744.69	1/4	385.36	1/4	30.87	1/4		1/4		1/4	
1/2	2,150.06	1/2	1,790.72	1/2	1,434.63	1/2	1,089.12	1/2	737.21	1/2	377.87	1/2	25.57	1/2		1/2		1/2	
3/4	2,142.57	3/4	1,783.23	3/4	1,427.43	3/4	1,081.94	3/4	729.72	3/4	370.39	3/4	20.27	3/4		3/4		3/4	
8	2,135.09	8	1,775.74	8	1,420.22	8	1,074.76	8	722.23	8	362.90	8	14.97	8		8		8	
1/4	2,127.60	1/4	1,768.26	1/4	1,413.02	1/4	1,067.57	1/4	714.75	1/4	355.41	1/4		1/4		1/4		1/4	
1/2	2,120.11	1/2	1,760.77	1/2	1,405.82	1/2	1,060.39	1/2	707.26	1/2	347.93	1/2		1/2		1/2		1/2	
3/4	2,112.63	3/4	1,753.29	3/4	1,398.61	3/4	1,053.21	3/4	699.78	3/4	340.44	3/4		3/4		3/4		3/4	
9	2,105.14	9	1,745.80	9	1,391.41	9	1,046.03	9	692.29	9	332.96	9		9		9		9	
1/4	2,097.66	1/4	1,738.31	1/4	1,384.21	1/4	1,038.84	1/4	684.80	1/4	325.47	1/4		1/4		1/4		1/4	
1/2	2,090.17	1/2	1,730.83	1/2	1,377.00	1/2	1,031.66	1/2	677.32	1/2	317.98	1/2		1/2		1/2		1/2	
3/4	2,082.68	3/4	1,723.34	3/4	1,369.80	3/4	1,024.48	3/4	669.83	3/4	310.50	3/4		3/4		3/4		3/4	
10	2,075.20	10	1,715.85	10	1,362.60	10	1,017.29	10	662.34	10	303.01	10		10		10		10	
1/4	2,067.71	1/4	1,708.37	1/4	1,355.39	1/4	1,010.11	1/4	654.86	1/4	295.53	1/4		1/4		1/4		1/4	
1/2	2,060.22	1/2	1,700.88	1/2	1,348.19	1/2	1,002.93	1/2	647.37	1/2	288.04	1/2		1/2		1/2		1/2	
3/4	2,052.74	3/4	1,693.39	3/4	1,340.99	3/4	995.74	3/4	639.89	3/4	280.55	3/4		3/4		3/4		3/4	
11	2,045.25	11	1,685.91	11	1,333.78	11	988.56	11	632.40	11	273.07	11		11		11		11	
1/4	2,037.76	1/4	1,678.42	1/4	1,326.58	1/4	981.38	1/4	624.91	1/4	265.58	1/4		1/4		1/4		1/4	
1/2	2,030.28	1/2	1,670.94	1/2	1,319.38	1/2	974.19	1/2	617.43	1/2	258.10	1/2		1/2		1/2		1/2	
3/4	2,022.79	3/4	1,663.45	3/4	1,312.17	3/4	967.01	3/4	609.94	3/4	250.61	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/24/2014 CL  
CALCULATED: 09/24/2014 CL  
PRINTED: 09/24/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2014

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



# BARGE "KIRBY 29118"

## 2 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	0	0	0	4,783.49	0	4,463.28	0	4,138.94	0	3,799.47	0	3,445.52	0	3,087.54	0	2,728.20
1/4		1/4		1/4		1/4	4,777.14	1/4	4,456.67	1/4	4,132.01	1/4	3,792.22	1/4	3,438.06	1/4	3,080.06	1/4	2,720.71
1/2		1/2		1/2		1/2	4,770.79	1/2	4,450.06	1/2	4,125.09	1/2	3,784.98	1/2	3,430.61	1/2	3,072.57	1/2	2,713.22
3/4		3/4		3/4		3/4	4,764.45	3/4	4,443.45	3/4	4,118.16	3/4	3,777.73	3/4	3,423.15	3/4	3,065.08	3/4	2,705.74
1	1	1	1	1	1	1	4,758.10	1	4,436.84	1	4,111.23	1	3,770.49	1	3,415.70	1	3,057.60	1	2,698.25
1/4		1/4		1/4		1/4	4,750.87	1/4	4,430.20	1/4	4,104.28	1/4	3,763.22	1/4	3,408.24	1/4	3,050.11	1/4	2,690.76
1/2		1/2		1/2		1/2	4,743.63	1/2	4,423.57	1/2	4,097.33	1/2	3,755.95	1/2	3,400.79	1/2	3,042.63	1/2	2,683.28
3/4		3/4		3/4		3/4	4,736.40	3/4	4,416.93	3/4	4,090.38	3/4	3,748.68	3/4	3,393.34	3/4	3,035.14	3/4	2,675.79
2	2	2	2	2	2	2	4,729.16	2	4,410.29	2	4,083.43	2	3,741.41	2	3,385.88	2	3,027.65	2	2,668.31
1/4		1/4		1/4		1/4	4,721.71	1/4	4,403.63	1/4	4,076.45	1/4	3,734.12	1/4	3,378.43	1/4	3,020.17	1/4	2,660.82
1/2		1/2		1/2		1/2	4,714.26	1/2	4,396.96	1/2	4,069.47	1/2	3,726.82	1/2	3,370.97	1/2	3,012.68	1/2	2,653.33
3/4		3/4		3/4		3/4	4,706.80	3/4	4,390.30	3/4	4,062.49	3/4	3,719.53	3/4	3,363.52	3/4	3,005.19	3/4	2,645.85
3	3	3	3	3	3	3	4,699.35	3	4,383.64	3	4,055.51	3	3,712.24	3	3,356.07	3	2,997.71	3	2,638.36
1/4		1/4		1/4		1/4	4,692.29	1/4	4,376.95	1/4	4,048.50	1/4	3,704.91	1/4	3,348.61	1/4	2,990.22	1/4	2,630.87
1/2		1/2		1/2		1/2	4,685.23	1/2	4,370.26	1/2	4,041.50	1/2	3,697.59	1/2	3,341.16	1/2	2,982.73	1/2	2,623.39
3/4		3/4		3/4		3/4	4,678.18	3/4	4,363.57	3/4	4,034.49	3/4	3,690.27	3/4	3,333.70	3/4	2,975.25	3/4	2,615.90
4	4	4	4	4	4	4	4,671.12	4	4,356.87	4	4,027.49	4	3,682.95	4	3,326.25	4	2,967.76	4	2,608.41
1/4		1/4		1/4		1/4	4,664.72	1/4	4,350.16	1/4	4,020.45	1/4	3,675.60	1/4	3,318.79	1/4	2,960.28	1/4	2,600.93
1/2		1/2		1/2		1/2	4,658.32	1/2	4,343.44	1/2	4,013.42	1/2	3,668.25	1/2	3,311.34	1/2	2,952.79	1/2	2,593.44
3/4		3/4		3/4		3/4	4,651.92	3/4	4,336.73	3/4	4,006.39	3/4	3,660.91	3/4	3,303.89	3/4	2,945.30	3/4	2,585.96
5	5	5	5	5	5	5	4,645.51	5	4,330.01	5	3,999.36	5	3,653.56	5	3,296.43	5	2,937.82	5	2,578.47
1/4		1/4		1/4		1/4	4,639.09	1/4	4,323.26	1/4	3,992.30	1/4	3,646.19	1/4	3,288.98	1/4	2,930.33	1/4	2,570.98
1/2		1/2		1/2		1/2	4,632.66	1/2	4,316.52	1/2	3,985.24	1/2	3,638.81	1/2	3,281.52	1/2	2,922.84	1/2	2,563.50
3/4		3/4		3/4		3/4	4,626.23	3/4	4,309.78	3/4	3,978.18	3/4	3,631.44	3/4	3,274.07	3/4	2,915.36	3/4	2,556.01
6	6	6	6	6	6	6	4,619.80	6	4,303.03	6	3,971.12	6	3,624.06	6	3,266.62	6	2,907.87	6	2,548.52
1/4		1/4		1/4		1/4	4,613.34	1/4	4,296.26	1/4	3,964.04	1/4	3,616.66	1/4	3,259.16	1/4	2,900.38	1/4	2,541.04
1/2		1/2		1/2		1/2	4,606.89	1/2	4,289.49	1/2	3,956.95	1/2	3,609.26	1/2	3,251.71	1/2	2,892.90	1/2	2,533.55
3/4		3/4		3/4		3/4	4,600.43	3/4	4,282.72	3/4	3,949.87	3/4	3,601.86	3/4	3,244.25	3/4	2,885.41	3/4	2,526.06
7	7	7	7	7	7	7	4,593.98	7	4,275.95	7	3,942.78	7	3,594.46	7	3,236.80	7	2,877.92	7	2,518.58
1/4		1/4		1/4		1/4	4,587.50	1/4	4,269.16	1/4	3,935.67	1/4	3,587.03	1/4	3,229.34	1/4	2,870.44	1/4	2,511.09
1/2		1/2		1/2		1/2	4,581.01	1/2	4,262.36	1/2	3,928.56	1/2	3,579.61	1/2	3,221.89	1/2	2,862.95	1/2	2,503.60
3/4		3/4		3/4		3/4	4,574.53	3/4	4,255.56	3/4	3,921.44	3/4	3,572.18	3/4	3,214.44	3/4	2,855.47	3/4	2,496.12
8	8	8	8	8	8	8	4,568.05	8	4,248.76	8	3,914.33	8	3,564.75	8	3,206.98	8	2,847.98	8	2,488.63
1/4		1/4		1/4		1/4	4,561.54	1/4	4,241.94	1/4	3,907.19	1/4	3,557.30	1/4	3,199.53	1/4	2,840.49	1/4	2,481.15
1/2		1/2		1/2		1/2	4,555.03	1/2	4,235.12	1/2	3,900.05	1/2	3,549.86	1/2	3,192.07	1/2	2,833.01	1/2	2,473.66
3/4		3/4		3/4		3/4	4,548.52	3/4	4,228.29	3/4	3,892.92	3/4	3,542.41	3/4	3,184.62	3/4	2,825.52	3/4	2,466.17
9	9	9	9	9	9	9	4,542.01	9	4,221.47	9	3,885.78	9	3,534.97	9	3,177.16	9	2,818.03	9	2,458.69
1/4		1/4		1/4		1/4	4,535.48	1/4	4,214.62	1/4	3,878.61	1/4	3,527.51	1/4	3,169.71	1/4	2,810.55	1/4	2,451.20
1/2		1/2		1/2		1/2	4,528.94	1/2	4,207.77	1/2	3,871.45	1/2	3,520.06	1/2	3,162.26	1/2	2,803.06	1/2	2,443.71
3/4		3/4		3/4		3/4	4,522.41	3/4	4,200.92	3/4	3,864.28	3/4	3,512.60	3/4	3,154.80	3/4	2,795.57	3/4	2,436.23
10	10	10	10	10	10	10	4,515.87	10	4,194.07	10	3,857.12	10	3,505.15	10	3,147.35	10	2,788.09	10	2,428.74
1/4		1/4		1/4		1/4	4,509.31	1/4	4,187.19	1/4	3,849.92	1/4	3,497.70	1/4	3,139.88	1/4	2,780.60	1/4	2,421.25
1/2		1/2		1/2		1/2	4,502.75	1/2	4,180.31	1/2	3,842.73	1/2	3,490.24	1/2	3,132.42	1/2	2,773.12	1/2	2,413.77
3/4		3/4		3/4		3/4	4,496.19	3/4	4,173.44	3/4	3,835.54	3/4	3,482.79	3/4	3,124.95	3/4	2,765.63	3/4	2,406.28
11	11	11	11	11	11	11	4,489.62	11	4,166.56	11	3,828.34	11	3,475.33	11	3,117.49	11	2,758.14	11	2,398.80
1/4		1/4		1/4		1/4	4,483.04	1/4	4,159.66	1/4	3,821.13	1/4	3,467.88	1/4	3,110.00	1/4	2,750.66	1/4	2,391.31
1/2		1/2		1/2		1/2	4,793.72	1/2	4,476.45	1/2	4,152.75	1/2	3,813.91	1/2	3,460.42	1/2	3,102.52	1/2	2,743.17
3/4		3/4		3/4		3/4	4,788.60	3/4	4,469.87	3/4	4,145.85	3/4	3,806.69	3/4	3,452.97	3/4	3,095.03	3/4	2,736.34

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'-09" FORWARD OF AFT BULKHEAD

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





# BARGE "KIRBY 29118"

## 2 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	2,368.85	0	2,009.50	0	1,650.16	0	1,290.81	0	931.77	0	572.51	0	213.18	0		0		0	
1/4	2,361.36	1/4	2,002.02	1/4	1,642.67	1/4	1,283.32	1/4	924.30	1/4	565.03	1/4	205.70	1/4		1/4		1/4	
1/2	2,353.88	1/2	1,994.53	1/2	1,635.18	1/2	1,275.84	1/2	916.82	1/2	557.54	1/2	198.21	1/2		1/2		1/2	
3/4	2,346.39	3/4	1,987.04	3/4	1,627.70	3/4	1,268.35	3/4	909.35	3/4	550.05	3/4	190.73	3/4		3/4		3/4	
1	2,338.90	1	1,979.56	1	1,620.21	1	1,260.86	1	901.87	1	542.57	1	183.24	1		1		1	
1/4	2,331.42	1/4	1,972.07	1/4	1,612.72	1/4	1,253.38	1/4	894.39	1/4	535.08	1/4	175.77	1/4		1/4		1/4	
1/2	2,323.93	1/2	1,964.58	1/2	1,605.24	1/2	1,245.89	1/2	886.92	1/2	527.59	1/2	168.29	1/2		1/2		1/2	
3/4	2,316.44	3/4	1,957.10	3/4	1,597.75	3/4	1,238.40	3/4	879.44	3/4	520.11	3/4	160.81	3/4		3/4		3/4	
2	2,308.96	2	1,949.61	2	1,590.26	2	1,230.92	2	871.96	2	512.62	2	153.33	2		2		2	
1/4	2,301.47	1/4	1,942.12	1/4	1,582.78	1/4	1,223.43	1/4	864.47	1/4	505.14	1/4	145.87	1/4		1/4		1/4	
1/2	2,293.99	1/2	1,934.64	1/2	1,575.29	1/2	1,215.94	1/2	856.98	1/2	497.65	1/2	138.40	1/2		1/2		1/2	
3/4	2,286.50	3/4	1,927.15	3/4	1,567.80	3/4	1,208.46	3/4	849.50	3/4	490.16	3/4	130.93	3/4		3/4		3/4	
3	2,279.01	3	1,919.67	3	1,560.32	3	1,200.97	3	842.01	3	482.68	3	123.47	3		3		3	
1/4	2,271.53	1/4	1,912.18	1/4	1,552.83	1/4	1,193.48	1/4	834.53	1/4	475.19	1/4	116.02	1/4		1/4		1/4	
1/2	2,264.04	1/2	1,904.69	1/2	1,545.35	1/2	1,186.00	1/2	827.04	1/2	467.71	1/2	108.57	1/2		1/2		1/2	
3/4	2,256.55	3/4	1,897.21	3/4	1,537.86	3/4	1,178.51	3/4	819.55	3/4	460.22	3/4	101.12	3/4		3/4		3/4	
4	2,249.07	4	1,889.72	4	1,530.37	4	1,171.03	4	812.07	4	452.73	4	93.67	4		4		4	
1/4	2,241.58	1/4	1,882.23	1/4	1,522.89	1/4	1,163.54	1/4	804.58	1/4	445.25	1/4	86.26	1/4		1/4		1/4	
1/2	2,234.09	1/2	1,874.75	1/2	1,515.40	1/2	1,156.05	1/2	797.09	1/2	437.76	1/2	78.84	1/2		1/2		1/2	
3/4	2,226.61	3/4	1,867.26	3/4	1,507.91	3/4	1,148.57	3/4	789.61	3/4	430.28	3/4	71.42	3/4		3/4		3/4	
5	2,219.12	5	1,859.77	5	1,500.43	5	1,141.08	5	782.12	5	422.79	5	64.00	5		5		5	
1/4	2,211.64	1/4	1,852.29	1/4	1,492.94	1/4	1,133.60	1/4	774.64	1/4	415.30	1/4	57.05	1/4		1/4		1/4	
1/2	2,204.15	1/2	1,844.80	1/2	1,485.45	1/2	1,126.12	1/2	767.15	1/2	407.82	1/2	50.09	1/2		1/2		1/2	
3/4	2,196.66	3/4	1,837.32	3/4	1,477.97	3/4	1,118.63	3/4	759.66	3/4	400.33	3/4	43.13	3/4		3/4		3/4	
6	2,189.18	6	1,829.83	6	1,470.48	6	1,111.15	6	752.18	6	392.85	6	36.17	6		6		6	
1/4	2,181.69	1/4	1,822.34	1/4	1,463.00	1/4	1,103.68	1/4	744.69	1/4	385.36	1/4	30.87	1/4		1/4		1/4	
1/2	2,174.20	1/2	1,814.86	1/2	1,455.51	1/2	1,096.20	1/2	737.21	1/2	377.87	1/2	25.57	1/2		1/2		1/2	
3/4	2,166.72	3/4	1,807.37	3/4	1,448.02	3/4	1,088.73	3/4	729.72	3/4	370.39	3/4	20.27	3/4		3/4		3/4	
7	2,159.23	7	1,799.88	7	1,440.54	7	1,081.26	7	722.23	7	362.90	7	14.97	7		7		7	
1/4	2,151.74	1/4	1,792.40	1/4	1,433.05	1/4	1,073.78	1/4	714.75	1/4	355.41	1/4		1/4		1/4		1/4	
1/2	2,144.26	1/2	1,784.91	1/2	1,425.56	1/2	1,066.31	1/2	707.26	1/2	347.93	1/2		1/2		1/2		1/2	
3/4	2,136.77	3/4	1,777.42	3/4	1,418.08	3/4	1,058.83	3/4	699.78	3/4	340.44	3/4		3/4		3/4		3/4	
8	2,129.28	8	1,769.94	8	1,410.59	8	1,051.36	8	692.29	8	332.96	8	8	8		8		8	
1/4	2,121.80	1/4	1,762.45	1/4	1,403.10	1/4	1,043.88	1/4	684.80	1/4	325.47	1/4		1/4		1/4		1/4	
1/2	2,114.31	1/2	1,754.96	1/2	1,395.62	1/2	1,036.41	1/2	677.32	1/2	317.98	1/2		1/2		1/2		1/2	
3/4	2,106.83	3/4	1,747.48	3/4	1,388.13	3/4	1,028.94	3/4	669.83	3/4	310.50	3/4		3/4		3/4		3/4	
9	2,099.34	9	1,739.99	9	1,380.64	9	1,021.46	9	662.34	9	303.01	9	9	9		9		9	
1/4	2,091.85	1/4	1,732.51	1/4	1,373.16	1/4	1,013.99	1/4	654.86	1/4	295.53	1/4		1/4		1/4		1/4	
1/2	2,084.37	1/2	1,725.02	1/2	1,365.67	1/2	1,006.51	1/2	647.37	1/2	288.04	1/2		1/2		1/2		1/2	
3/4	2,076.88	3/4	1,717.53	3/4	1,358.19	3/4	999.04	3/4	639.89	3/4	280.55	3/4		3/4		3/4		3/4	
10	2,069.39	10	1,710.05	10	1,350.70	10	991.57	10	632.40	10	273.07	10	10	10		10		10	
1/4	2,061.91	1/4	1,702.56	1/4	1,343.21	1/4	984.09	1/4	624.91	1/4	265.58	1/4		1/4		1/4		1/4	
1/2	2,054.42	1/2	1,695.07	1/2	1,335.73	1/2	976.62	1/2	617.43	1/2	258.10	1/2		1/2		1/2		1/2	
3/4	2,046.93	3/4	1,687.59	3/4	1,328.24	3/4	969.14	3/4	609.94	3/4	250.61	3/4		3/4		3/4		3/4	
11	2,039.45	11	1,680.10	11	1,320.75	11	961.67	11	602.46	11	243.12	11	11	11		11		11	
1/4	2,031.96	1/4	1,672.61	1/4	1,313.27	1/4	954.19	1/4	594.97	1/4	235.64	1/4		1/4		1/4		1/4	
1/2	2,024.48	1/2	1,665.13	1/2	1,305.78	1/2	946.72	1/2	587.48	1/2	228.15	1/2		1/2		1/2		1/2	
3/4	2,016.99	3/4	1,657.64	3/4	1,298.29	3/4	939.25	3/4	580.00	3/4	220.67	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/24/2014 CL  
CALCULATED: 09/24/2014 CL  
PRINTED: 09/24/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2014

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



# BARGE "KIRBY 29118"

## 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	4,360.16	0	4,119.76	0	3,873.72	0	3,615.69	0	3,345.91	0	2,995.42	0	2,639.15
1/4		1/4		1/4		1/4	4,355.53	1/4	4,114.75	1/4	3,868.46	1/4	3,610.18	1/4	3,340.21	1/4	2,988.00	1/4	2,631.72
1/2		1/2		1/2		1/2	4,350.89	1/2	4,109.75	1/2	3,863.20	1/2	3,604.68	1/2	3,334.51	1/2	2,980.58	1/2	2,624.30
3/4		3/4		3/4		3/4	4,346.26	3/4	4,104.74	3/4	3,857.94	3/4	3,599.17	3/4	3,328.81	3/4	2,973.15	3/4	2,616.88
1	1	1	1	1	1	1	4,342.11	1	4,099.72	1	3,852.67	1	3,593.64	1	3,321.38	1	2,965.73	1	2,609.46
1/4		1/4		1/4		1/4	4,337.96	1/4	4,094.69	1/4	3,847.39	1/4	3,588.11	1/4	3,313.96	1/4	2,958.31	1/4	2,602.03
1/2		1/2		1/2		1/2	4,333.81	1/2	4,089.67	1/2	3,842.11	1/2	3,582.58	1/2	3,306.53	1/2	2,950.89	1/2	2,594.61
3/4		3/4		3/4		3/4	4,329.66	3/4	4,084.64	3/4	3,836.84	3/4	3,577.05	3/4	3,299.11	3/4	2,943.46	3/4	2,587.19
2	2	2	2	2	2	2	4,324.31	2	4,079.60	2	3,831.54	2	3,571.50	2	3,291.68	2	2,936.04	2	2,579.77
1/4		1/4		1/4		1/4	4,318.96	1/4	4,074.55	1/4	3,826.24	1/4	3,565.96	1/4	3,284.26	1/4	2,928.62	1/4	2,572.34
1/2		1/2		1/2		1/2	4,313.60	1/2	4,069.50	1/2	3,820.95	1/2	3,560.41	1/2	3,276.83	1/2	2,921.20	1/2	2,564.92
3/4		3/4		3/4		3/4	4,308.25	3/4	4,064.45	3/4	3,815.65	3/4	3,554.86	3/4	3,269.40	3/4	2,913.77	3/4	2,557.50
3	3	3	3	3	3	3	4,302.55	3	4,059.39	3	3,810.33	3	3,549.30	3	3,261.98	3	2,906.35	3	2,550.08
1/4		1/4		1/4		1/4	4,296.84	1/4	4,054.32	1/4	3,805.02	1/4	3,543.73	1/4	3,254.55	1/4	2,898.93	1/4	2,542.65
1/2		1/2		1/2		1/2	4,291.14	1/2	4,049.25	1/2	3,799.70	1/2	3,538.16	1/2	3,247.13	1/2	2,891.51	1/2	2,535.23
3/4		3/4		3/4		3/4	4,285.44	3/4	4,044.19	3/4	3,794.38	3/4	3,532.60	3/4	3,239.70	3/4	2,884.08	3/4	2,527.81
4	4	4	4	4	4	4	4,279.74	4	4,039.10	4	3,789.04	4	3,527.01	4	3,232.28	4	2,876.66	4	2,520.39
1/4		1/4		1/4		1/4	4,274.04	1/4	4,034.01	1/4	3,783.70	1/4	3,521.42	1/4	3,224.85	1/4	2,869.24	1/4	2,512.96
1/2		1/2		1/2		1/2	4,268.34	1/2	4,028.92	1/2	3,778.37	1/2	3,515.83	1/2	3,217.43	1/2	2,861.82	1/2	2,505.54
3/4		3/4		3/4		3/4	4,262.63	3/4	4,023.83	3/4	3,773.03	3/4	3,510.24	3/4	3,210.00	3/4	2,854.39	3/4	2,498.12
5	5	5	5	5	5	5	4,257.77	5	4,018.72	5	3,767.67	5	3,504.63	5	3,202.60	5	2,846.97	5	2,490.70
1/4		1/4		1/4		1/4	4,252.91	1/4	4,013.61	1/4	3,762.31	1/4	3,499.03	1/4	3,195.20	1/4	2,839.55	1/4	2,483.27
1/2		1/2		1/2		1/2	4,248.05	1/2	4,008.50	1/2	3,756.95	1/2	3,493.42	1/2	3,187.81	1/2	2,832.13	1/2	2,475.85
3/4		3/4		3/4		3/4	4,243.19	3/4	4,003.39	3/4	3,751.59	3/4	3,487.81	3/4	3,180.41	3/4	2,824.71	3/4	2,468.43
6	6	6	6	6	6	6	4,238.31	6	3,998.26	6	3,746.21	6	3,482.18	6	3,173.01	6	2,817.28	6	2,461.01
1/4		1/4		1/4		1/4	4,233.43	1/4	3,993.13	1/4	3,740.83	1/4	3,476.55	1/4	3,165.61	1/4	2,809.86	1/4	2,453.59
1/2		1/2		1/2		1/2	4,228.55	1/2	3,988.00	1/2	3,735.45	1/2	3,470.92	1/2	3,158.21	1/2	2,802.44	1/2	2,446.16
3/4		3/4		3/4		3/4	4,223.67	3/4	3,982.86	3/4	3,730.07	3/4	3,465.29	3/4	3,150.81	3/4	2,795.02	3/4	2,438.74
7	7	7	7	7	7	7	4,218.76	7	3,977.71	7	3,724.67	7	3,459.64	7	3,143.41	7	2,787.59	7	2,431.32
1/4		1/4		1/4		1/4	4,213.86	1/4	3,972.56	1/4	3,719.26	1/4	3,453.99	1/4	3,136.02	1/4	2,780.17	1/4	2,423.90
1/2		1/2		1/2		1/2	4,208.96	1/2	3,967.41	1/2	3,713.86	1/2	3,448.34	1/2	3,128.62	1/2	2,772.75	1/2	2,416.47
3/4		3/4		3/4		3/4	4,204.05	3/4	3,962.26	3/4	3,708.46	3/4	3,442.69	3/4	3,121.22	3/4	2,765.33	3/4	2,409.05
8	8	8	8	8	8	8	4,199.13	8	3,957.09	8	3,703.04	8	3,437.01	8	3,113.82	8	2,757.90	8	2,401.63
1/4		1/4		1/4		1/4	4,194.21	1/4	3,951.91	1/4	3,697.62	1/4	3,431.34	1/4	3,106.42	1/4	2,750.48	1/4	2,394.21
1/2		1/2		1/2		1/2	4,189.29	1/2	3,946.74	1/2	3,692.20	1/2	3,425.67	1/2	3,099.02	1/2	2,743.06	1/2	2,386.78
3/4		3/4		3/4		3/4	4,184.37	3/4	3,941.56	3/4	3,686.78	3/4	3,419.99	3/4	3,091.62	3/4	2,735.64	3/4	2,379.36
9	9	9	9	9	9	9	4,179.42	9	3,936.37	9	3,681.33	9	3,414.30	9	3,084.23	9	2,728.21	9	2,371.94
1/4		1/4		1/4		1/4	4,174.47	1/4	3,931.18	1/4	3,675.89	1/4	3,408.61	1/4	3,076.83	1/4	2,720.79	1/4	2,364.52
1/2		1/2		1/2		1/2	4,169.53	1/2	3,925.98	1/2	3,670.44	1/2	3,402.92	1/2	3,069.43	1/2	2,713.37	1/2	2,357.09
3/4		3/4		3/4		3/4	4,164.58	3/4	3,920.79	3/4	3,665.00	3/4	3,397.23	3/4	3,062.03	3/4	2,705.95	3/4	2,349.67
10	10	10	10	10	10	10	4,159.61	10	3,915.57	10	3,659.53	10	3,391.52	10	3,054.63	10	2,698.52	10	2,342.25
1/4		1/4		1/4		1/4	4,154.65	1/4	3,910.36	1/4	3,654.07	1/4	3,385.82	1/4	3,047.23	1/4	2,691.10	1/4	2,334.82
1/2		1/2		1/2		1/2	4,149.69	1/2	3,905.14	1/2	3,648.61	1/2	3,380.12	1/2	3,039.84	1/2	2,683.68	1/2	2,327.40
3/4		3/4		3/4		3/4	4,144.72	3/4	3,899.92	3/4	3,643.14	3/4	3,374.42	3/4	3,032.44	3/4	2,676.26	3/4	2,319.98
11	11	11	11	11	11	11	4,139.73	11	3,894.69	11	3,637.66	11	3,368.72	11	3,025.04	11	2,668.83	11	2,312.56
1/4		1/4		1/4		1/4	4,134.74	1/4	3,889.45	1/4	3,632.17	1/4	3,363.02	1/4	3,017.64	1/4	2,661.41	1/4	2,305.13
1/2		1/2		1/2		1/2	4,129.75	1/2	3,884.22	1/2	3,626.68	1/2	3,357.32	1/2	3,010.24	1/2	2,653.99	1/2	2,297.71
3/4		3/4		3/4		3/4	4,364.79	3/4	4,124.76	3/4	3,878.98	3/4	3,621.19	3/4	3,351.61	3/4	3,002.84	3/4	2,290.29

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'-00" FORWARD OF AFT BULKHEAD

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



# BARGE "KIRBY 29118"

## 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	2,282.86	0	1,926.16	0	1,570.36	0	1,213.73	0	869.89	0	513.09	0	156.05	0		0		0	
1/4	2,275.44	1/4	1,918.72	1/4	1,562.95	1/4	1,206.56	1/4	862.48	1/4	505.65	1/4	148.61	1/4		1/4		1/4	
1/2	2,268.02	1/2	1,911.28	1/2	1,555.54	1/2	1,199.40	1/2	855.06	1/2	498.21	1/2	141.17	1/2		1/2		1/2	
3/4	2,260.59	3/4	1,903.84	3/4	1,548.13	3/4	1,192.23	3/4	847.64	3/4	490.77	3/4	133.73	3/4		3/4		3/4	
1	2,253.17	1	1,896.43	1	1,540.69	1	1,185.06	1	840.22	1	483.33	1	126.30	1		1		1	
1/4	2,245.75	1/4	1,889.02	1/4	1,533.26	1/4	1,177.89	1/4	832.81	1/4	475.90	1/4	118.86	1/4		1/4		1/4	
1/2	2,238.33	1/2	1,881.61	1/2	1,525.82	1/2	1,170.72	1/2	825.39	1/2	468.46	1/2	111.42	1/2		1/2		1/2	
3/4	2,230.90	3/4	1,874.20	3/4	1,518.38	3/4	1,163.55	3/4	817.97	3/4	461.02	3/4	103.98	3/4		3/4		3/4	
2	2,223.48	2	1,866.79	2	1,510.95	2	1,156.38	2	810.56	2	453.58	2	96.86	2		2		2	
1/4	2,216.06	1/4	1,859.38	1/4	1,503.51	1/4	1,149.21	1/4	803.14	1/4	446.14	1/4	89.74	1/4		1/4		1/4	
1/2	2,208.63	1/2	1,851.97	1/2	1,496.07	1/2	1,142.04	1/2	795.72	1/2	438.71	1/2	82.61	1/2		1/2		1/2	
3/4	2,201.21	3/4	1,844.56	3/4	1,488.63	3/4	1,134.87	3/4	788.31	3/4	431.27	3/4	75.49	3/4		3/4		3/4	
3	2,193.79	3	1,837.15	3	1,481.20	3	1,127.70	3	780.87	3	423.83	3	69.31	3		3		3	
1/4	2,186.37	1/4	1,829.74	1/4	1,473.76	1/4	1,120.54	1/4	773.43	1/4	416.39	1/4	63.12	1/4		1/4		1/4	
1/2	2,178.94	1/2	1,822.33	1/2	1,466.32	1/2	1,113.37	1/2	765.99	1/2	408.95	1/2	56.94	1/2		1/2		1/2	
3/4	2,171.52	3/4	1,814.92	3/4	1,458.89	3/4	1,106.20	3/4	758.55	3/4	401.51	3/4	50.76	3/4		3/4		3/4	
4	2,164.10	4	1,807.51	4	1,451.45	4	1,099.03	4	751.11	4	394.08	4	45.83	4		4		4	
1/4	2,156.67	1/4	1,800.09	1/4	1,444.01	1/4	1,091.86	1/4	743.68	1/4	386.64	1/4	40.91	1/4		1/4		1/4	
1/2	2,149.25	1/2	1,792.68	1/2	1,436.58	1/2	1,084.69	1/2	736.24	1/2	379.20	1/2	35.98	1/2		1/2		1/2	
3/4	2,141.83	3/4	1,785.27	3/4	1,429.14	3/4	1,077.52	3/4	728.80	3/4	371.76	3/4	31.05	3/4		3/4		3/4	
5	2,134.39	5	1,777.86	5	1,421.70	5	1,070.37	5	721.36	5	364.32	5	27.39	5		5		5	
1/4	2,126.95	1/4	1,770.45	1/4	1,414.26	1/4	1,063.21	1/4	713.92	1/4	356.88	1/4	23.72	1/4		1/4		1/4	
1/2	2,119.52	1/2	1,763.04	1/2	1,406.83	1/2	1,056.06	1/2	706.48	1/2	349.45	1/2	20.06	1/2		1/2		1/2	
3/4	2,112.08	3/4	1,755.63	3/4	1,399.39	3/4	1,048.90	3/4	699.05	3/4	342.01	3/4	16.39	3/4		3/4		3/4	
6	2,104.64	6	1,748.22	6	1,391.95	6	1,041.75	6	691.61	6	334.57	6		6		6		6	
1/4	2,097.21	1/4	1,740.81	1/4	1,384.52	1/4	1,034.59	1/4	684.17	1/4	327.13	1/4		1/4		1/4		1/4	
1/2	2,089.77	1/2	1,733.40	1/2	1,377.08	1/2	1,027.44	1/2	676.73	1/2	319.69	1/2		1/2		1/2		1/2	
3/4	2,082.33	3/4	1,725.99	3/4	1,369.64	3/4	1,020.28	3/4	669.29	3/4	312.25	3/4		3/4		3/4		3/4	
7	2,074.90	7	1,718.58	7	1,362.21	7	1,013.13	7	661.85	7	304.82	7		7		7		7	
1/4	2,067.46	1/4	1,711.17	1/4	1,354.77	1/4	1,005.98	1/4	654.42	1/4	297.38	1/4		1/4		1/4		1/4	
1/2	2,060.02	1/2	1,703.76	1/2	1,347.33	1/2	998.83	1/2	646.98	1/2	289.94	1/2		1/2		1/2		1/2	
3/4	2,052.58	3/4	1,696.34	3/4	1,339.89	3/4	991.67	3/4	639.54	3/4	282.50	3/4		3/4		3/4		3/4	
8	2,045.15	8	1,688.93	8	1,332.46	8	984.53	8	632.10	8	275.06	8		8		8		8	
1/4	2,037.71	1/4	1,681.52	1/4	1,325.02	1/4	977.38	1/4	624.66	1/4	267.62	1/4		1/4		1/4		1/4	
1/2	2,030.27	1/2	1,674.11	1/2	1,317.58	1/2	970.23	1/2	617.22	1/2	260.19	1/2		1/2		1/2		1/2	
3/4	2,022.84	3/4	1,666.70	3/4	1,310.15	3/4	963.08	3/4	609.79	3/4	252.75	3/4		3/4		3/4		3/4	
9	2,015.40	9	1,659.29	9	1,302.71	9	955.93	9	602.35	9	245.31	9		9		9		9	
1/4	2,007.96	1/4	1,651.88	1/4	1,295.27	1/4	948.79	1/4	594.91	1/4	237.87	1/4		1/4		1/4		1/4	
1/2	2,000.53	1/2	1,644.47	1/2	1,287.84	1/2	941.64	1/2	587.47	1/2	230.43	1/2		1/2		1/2		1/2	
3/4	1,993.09	3/4	1,637.06	3/4	1,280.40	3/4	934.49	3/4	580.03	3/4	222.99	3/4		3/4		3/4		3/4	
10	1,985.65	10	1,629.65	10	1,272.96	10	927.34	10	572.59	10	215.56	10		10		10		10	
1/4	1,978.21	1/4	1,622.24	1/4	1,265.52	1/4	920.20	1/4	565.16	1/4	208.12	1/4		1/4		1/4		1/4	
1/2	1,970.78	1/2	1,614.83	1/2	1,258.09	1/2	913.05	1/2	557.72	1/2	200.68	1/2		1/2		1/2		1/2	
3/4	1,963.34	3/4	1,607.42	3/4	1,250.65	3/4	905.90	3/4	550.28	3/4	193.24	3/4		3/4		3/4		3/4	
11	1,955.90	11	1,600.01	11	1,243.21	11	898.75	11	542.84	11	185.80	11		11		11		11	
1/4	1,948.47	1/4	1,592.59	1/4	1,235.78	1/4	891.60	1/4	535.40	1/4	178.36	1/4		1/4		1/4		1/4	
1/2	1,941.03	1/2	1,585.18	1/2	1,228.34	1/2	884.46	1/2	527.96	1/2	170.93	1/2		1/2		1/2		1/2	
3/4	1,933.59	3/4	1,577.77	3/4	1,220.90	3/4	877.31	3/4	520.53	3/4	163.49	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/24/2014 CL  
CALCULATED: 09/24/2014 CL  
PRINTED: 09/24/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2014

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



# BARGE "KIRBY 29118"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 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		0	4,155.57	0	3,908.93	0	3,650.29	0	3,379.81	0	3,030.91	0	2,673.39
1/4		1/4		1/4		1/4	4,391.68	1/4	4,150.56	1/4	3,903.68	1/4	3,644.78	1/4	3,374.08	1/4	3,023.46	1/4	2,665.94
1/2		1/2		1/2		1/2	4,387.03	1/2	4,145.53	1/2	3,898.39	1/2	3,639.25	1/2	3,368.36	1/2	3,016.01	1/2	2,658.49
3/4		3/4		3/4		3/4	4,382.37	3/4	4,140.50	3/4	3,893.11	3/4	3,633.72	3/4	3,362.63	3/4	3,008.56	3/4	2,651.04
1		1		1		1	4,377.72	1	4,135.47	1	3,887.83	1	3,628.20	1	3,356.91	1	3,001.11	1	2,643.60
1/4		1/4		1/4		1/4	4,373.06	1/4	4,130.44	1/4	3,882.55	1/4	3,622.67	1/4	3,351.18	1/4	2,993.67	1/4	2,636.15
1/2		1/2		1/2		1/2	4,368.89	1/2	4,125.39	1/2	3,877.25	1/2	3,617.11	1/2	3,343.74	1/2	2,986.22	1/2	2,628.70
3/4		3/4		3/4		3/4	4,364.72	3/4	4,120.35	3/4	3,871.95	3/4	3,611.56	3/4	3,336.29	3/4	2,978.77	3/4	2,621.25
2		2		2		2	4,360.54	2	4,115.30	2	3,866.65	2	3,606.01	2	3,328.84	2	2,971.32	2	2,613.80
1/4		1/4		1/4		1/4	4,356.37	1/4	4,110.25	1/4	3,861.35	1/4	3,600.45	1/4	3,321.39	1/4	2,963.87	1/4	2,606.35
1/2		1/2		1/2		1/2	4,350.99	1/2	4,105.18	1/2	3,856.03	1/2	3,594.88	1/2	3,313.94	1/2	2,956.42	1/2	2,598.91
3/4		3/4		3/4		3/4	4,345.62	3/4	4,100.11	3/4	3,850.71	3/4	3,589.31	3/4	3,306.49	3/4	2,948.98	3/4	2,591.46
3		3		3		3	4,340.24	3	4,095.04	3	3,845.39	3	3,583.74	3	3,299.05	3	2,941.53	3	2,584.01
1/4		1/4		1/4		1/4	4,334.86	1/4	4,089.97	1/4	3,840.07	1/4	3,578.17	1/4	3,291.60	1/4	2,934.08	1/4	2,576.56
1/2		1/2		1/2		1/2	4,329.14	1/2	4,084.88	1/2	3,834.73	1/2	3,572.58	1/2	3,284.15	1/2	2,926.63	1/2	2,569.11
3/4		3/4		3/4		3/4	4,323.42	3/4	4,079.79	3/4	3,829.39	3/4	3,566.99	3/4	3,276.70	3/4	2,919.18	3/4	2,561.66
4		4		4		4	4,317.69	4	4,074.70	4	3,824.05	4	3,561.40	4	3,269.25	4	2,911.73	4	2,554.22
1/4		1/4		1/4		1/4	4,311.97	1/4	4,069.61	1/4	3,818.71	1/4	3,555.82	1/4	3,261.80	1/4	2,904.29	1/4	2,546.77
1/2		1/2		1/2		1/2	4,306.24	1/2	4,064.50	1/2	3,813.35	1/2	3,550.20	1/2	3,254.36	1/2	2,896.84	1/2	2,539.32
3/4		3/4		3/4		3/4	4,300.52	3/4	4,059.39	3/4	3,807.99	3/4	3,544.59	3/4	3,246.91	3/4	2,889.39	3/4	2,531.87
5		5		5		5	4,294.79	5	4,054.27	5	3,802.63	5	3,538.98	5	3,239.46	5	2,881.94	5	2,524.42
1/4		1/4		1/4		1/4	4,289.07	1/4	4,049.16	1/4	3,797.27	1/4	3,533.37	1/4	3,232.01	1/4	2,874.49	1/4	2,516.97
1/2		1/2		1/2		1/2	4,284.18	1/2	4,044.03	1/2	3,791.88	1/2	3,527.73	1/2	3,224.56	1/2	2,867.04	1/2	2,509.53
3/4		3/4		3/4		3/4	4,279.30	3/4	4,038.90	3/4	3,786.50	3/4	3,522.10	3/4	3,217.11	3/4	2,859.60	3/4	2,502.08
6		6		6		6	4,274.42	6	4,033.77	6	3,781.12	6	3,516.47	6	3,209.67	6	2,852.15	6	2,494.63
1/4		1/4		1/4		1/4	4,269.53	1/4	4,028.63	1/4	3,775.73	1/4	3,510.84	1/4	3,202.22	1/4	2,844.70	1/4	2,487.18
1/2		1/2		1/2		1/2	4,264.63	1/2	4,023.48	1/2	3,770.33	1/2	3,505.19	1/2	3,194.77	1/2	2,837.25	1/2	2,479.73
3/4		3/4		3/4		3/4	4,259.73	3/4	4,018.32	3/4	3,764.93	3/4	3,499.53	3/4	3,187.32	3/4	2,829.80	3/4	2,472.28
7		7		7		7	4,254.82	7	4,013.17	7	3,759.52	7	3,493.88	7	3,179.87	7	2,822.35	7	2,464.84
1/4		1/4		1/4		1/4	4,249.92	1/4	4,008.02	1/4	3,754.12	1/4	3,488.22	1/4	3,172.42	1/4	2,814.91	1/4	2,457.39
1/2		1/2		1/2		1/2	4,244.99	1/2	4,002.84	1/2	3,748.70	1/2	3,482.55	1/2	3,164.98	1/2	2,807.46	1/2	2,449.94
3/4		3/4		3/4		3/4	4,240.07	3/4	3,997.67	3/4	3,743.27	3/4	3,476.88	3/4	3,157.53	3/4	2,800.01	3/4	2,442.49
8		8		8		8	4,235.14	8	3,992.49	8	3,737.85	8	3,471.20	8	3,150.08	8	2,792.56	8	2,435.04
1/4		1/4		1/4		1/4	4,230.21	1/4	3,987.32	1/4	3,732.42	1/4	3,465.53	1/4	3,142.63	1/4	2,785.11	1/4	2,427.59
1/2		1/2		1/2		1/2	4,225.27	1/2	3,982.12	1/2	3,726.98	1/2	3,459.83	1/2	3,135.18	1/2	2,777.66	1/2	2,420.15
3/4		3/4		3/4		3/4	4,220.32	3/4	3,976.93	3/4	3,721.53	3/4	3,454.14	3/4	3,127.73	3/4	2,770.22	3/4	2,412.70
9		9		9		9	4,215.38	9	3,971.73	9	3,716.09	9	3,448.44	9	3,120.29	9	2,762.77	9	2,405.25
1/4		1/4		1/4		1/4	4,210.43	1/4	3,966.53	1/4	3,710.64	1/4	3,442.75	1/4	3,112.84	1/4	2,755.32	1/4	2,397.80
1/2		1/2		1/2		1/2	4,205.46	1/2	3,961.32	1/2	3,705.17	1/2	3,437.03	1/2	3,105.39	1/2	2,747.87	1/2	2,390.35
3/4		3/4		3/4		3/4	4,200.49	3/4	3,956.10	3/4	3,699.71	3/4	3,431.32	3/4	3,097.94	3/4	2,740.42	3/4	2,382.90
10		10		10		10	4,195.52	10	3,950.88	10	3,694.24	10	3,425.60	10	3,090.49	10	2,732.97	10	2,375.46
1/4		1/4		1/4		1/4	4,190.55	1/4	3,945.67	1/4	3,688.77	1/4	3,419.89	1/4	3,083.05	1/4	2,725.53	1/4	2,368.01
1/2		1/2		1/2		1/2	4,185.57	1/2	3,940.43	1/2	3,683.28	1/2	3,414.16	1/2	3,075.60	1/2	2,718.08	1/2	2,360.56
3/4		3/4		3/4		3/4	4,180.58	3/4	3,935.19	3/4	3,677.80	3/4	3,408.43	3/4	3,068.15	3/4	2,710.63	3/4	2,353.11
11		11		11		11	4,175.59	11	3,929.95	11	3,672.31	11	3,402.71	11	3,060.70	11	2,703.18	11	2,345.66
1/4		1/4		1/4		1/4	4,170.61	1/4	3,924.71	1/4	3,666.83	1/4	3,396.98	1/4	3,053.25	1/4	2,695.73	1/4	2,338.22
1/2		1/2		1/2		1/2	4,165.59	1/2	3,919.45	1/2	3,661.31	1/2	3,391.26	1/2	3,045.80	1/2	2,688.29	1/2	2,330.77
3/4		3/4		3/4		3/4	4,160.58	3/4	3,914.19	3/4	3,655.80	3/4	3,385.53	3/4	3,038.36	3/4	2,680.84	3/4	2,323.32

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'-00" FORWARD OF AFT BULKHEAD

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



# BARGE "KIRBY 29118"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 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	2,315.87	0	1,958.35	0	1,600.83	0	1,243.31	0	886.03	0	528.67	0	171.16	0		0		0	
1/4	2,308.42	1/4	1,950.90	1/4	1,593.39	1/4	1,235.87	1/4	878.59	1/4	521.22	1/4	163.72	1/4		1/4		1/4	
1/2	2,300.97	1/2	1,943.46	1/2	1,585.94	1/2	1,228.42	1/2	871.15	1/2	513.78	1/2	156.27	1/2		1/2		1/2	
3/4	2,293.53	3/4	1,936.01	3/4	1,578.49	3/4	1,220.97	3/4	863.72	3/4	506.33	3/4	148.82	3/4		3/4		3/4	
1	2,286.08	1	1,928.56	1	1,571.04	1	1,213.52	1	856.28	1	498.88	1	141.37	1		1		1	
1/4	2,278.63	1/4	1,921.11	1/4	1,563.59	1/4	1,206.07	1/4	848.85	1/4	491.43	1/4	133.92	1/4		1/4		1/4	
1/2	2,271.18	1/2	1,913.66	1/2	1,556.14	1/2	1,198.63	1/2	841.41	1/2	483.98	1/2	126.48	1/2		1/2		1/2	
3/4	2,263.73	3/4	1,906.21	3/4	1,548.70	3/4	1,191.18	3/4	833.97	3/4	476.54	3/4	119.03	3/4		3/4		3/4	
2	2,256.28	2	1,898.77	2	1,541.25	2	1,183.73	2	826.54	2	469.09	2	111.58	2		2		2	
1/4	2,248.84	1/4	1,891.32	1/4	1,533.80	1/4	1,176.28	1/4	819.10	1/4	461.64	1/4	104.13	1/4		1/4		1/4	
1/2	2,241.39	1/2	1,883.87	1/2	1,526.35	1/2	1,168.83	1/2	811.66	1/2	454.19	1/2	97.00	1/2		1/2		1/2	
3/4	2,233.94	3/4	1,876.42	3/4	1,518.90	3/4	1,161.38	3/4	804.23	3/4	446.74	3/4	89.87	3/4		3/4		3/4	
3	2,226.49	3	1,868.97	3	1,511.45	3	1,153.94	3	796.79	3	439.30	3	82.73	3		3		3	
1/4	2,219.04	1/4	1,861.52	1/4	1,504.01	1/4	1,146.49	1/4	789.36	1/4	431.85	1/4	75.60	1/4		1/4		1/4	
1/2	2,211.59	1/2	1,854.08	1/2	1,496.56	1/2	1,139.04	1/2	781.91	1/2	424.40	1/2	69.41	1/2		1/2		1/2	
3/4	2,204.15	3/4	1,846.63	3/4	1,489.11	3/4	1,131.59	3/4	774.46	3/4	416.95	3/4	63.21	3/4		3/4		3/4	
4	2,196.70	4	1,839.18	4	1,481.66	4	1,124.14	4	767.01	4	409.50	4	57.02	4		4		4	
1/4	2,189.25	1/4	1,831.73	1/4	1,474.21	1/4	1,116.69	1/4	759.56	1/4	402.05	1/4	50.83	1/4		1/4		1/4	
1/2	2,181.80	1/2	1,824.28	1/2	1,466.76	1/2	1,109.25	1/2	752.12	1/2	394.61	1/2	45.89	1/2		1/2		1/2	
3/4	2,174.35	3/4	1,816.83	3/4	1,459.32	3/4	1,101.80	3/4	744.67	3/4	387.16	3/4	40.95	3/4		3/4		3/4	
5	2,166.90	5	1,809.39	5	1,451.87	5	1,094.35	5	737.22	5	379.71	5	36.02	5		5		5	
1/4	2,159.46	1/4	1,801.94	1/4	1,444.42	1/4	1,086.90	1/4	729.77	1/4	372.26	1/4	31.08	1/4		1/4		1/4	
1/2	2,152.01	1/2	1,794.49	1/2	1,436.97	1/2	1,079.45	1/2	722.32	1/2	364.81	1/2	27.41	1/2		1/2		1/2	
3/4	2,144.56	3/4	1,787.04	3/4	1,429.52	3/4	1,072.00	3/4	714.87	3/4	357.37	3/4	23.73	3/4		3/4		3/4	
6	2,137.11	6	1,779.59	6	1,422.07	6	1,064.56	6	707.43	6	349.92	6	20.06	6		6		6	
1/4	2,129.66	1/4	1,772.14	1/4	1,414.63	1/4	1,057.11	1/4	699.98	1/4	342.47	1/4	16.39	1/4		1/4		1/4	
1/2	2,122.21	1/2	1,764.70	1/2	1,407.18	1/2	1,049.66	1/2	692.53	1/2	335.02	1/2		1/2		1/2		1/2	
3/4	2,114.77	3/4	1,757.25	3/4	1,399.73	3/4	1,042.21	3/4	685.08	3/4	327.57	3/4		3/4		3/4		3/4	
7	2,107.32	7	1,749.80	7	1,392.28	7	1,034.76	7	677.63	7	320.13	7		7		7		7	
1/4	2,099.87	1/4	1,742.35	1/4	1,384.83	1/4	1,027.31	1/4	670.19	1/4	312.68	1/4		1/4		1/4		1/4	
1/2	2,092.42	1/2	1,734.90	1/2	1,377.38	1/2	1,019.88	1/2	662.74	1/2	305.23	1/2		1/2		1/2		1/2	
3/4	2,084.97	3/4	1,727.45	3/4	1,369.94	3/4	1,012.44	3/4	655.29	3/4	297.78	3/4		3/4		3/4		3/4	
8	2,077.52	8	1,720.01	8	1,362.49	8	1,005.01	8	647.84	8	290.33	8		8		8		8	
1/4	2,070.08	1/4	1,712.56	1/4	1,355.04	1/4	997.57	1/4	640.39	1/4	282.88	1/4		1/4		1/4		1/4	
1/2	2,062.63	1/2	1,705.11	1/2	1,347.59	1/2	990.13	1/2	632.95	1/2	275.44	1/2		1/2		1/2		1/2	
3/4	2,055.18	3/4	1,697.66	3/4	1,340.14	3/4	982.70	3/4	625.50	3/4	267.99	3/4		3/4		3/4		3/4	
9	2,047.73	9	1,690.21	9	1,332.69	9	975.26	9	618.05	9	260.54	9		9		9		9	
1/4	2,040.28	1/4	1,682.76	1/4	1,325.25	1/4	967.82	1/4	610.60	1/4	253.09	1/4		1/4		1/4		1/4	
1/2	2,032.83	1/2	1,675.32	1/2	1,317.80	1/2	960.39	1/2	603.15	1/2	245.64	1/2		1/2		1/2		1/2	
3/4	2,025.39	3/4	1,667.87	3/4	1,310.35	3/4	952.95	3/4	595.71	3/4	238.20	3/4		3/4		3/4		3/4	
10	2,017.94	10	1,660.42	10	1,302.90	10	945.52	10	588.26	10	230.75	10		10		10		10	
1/4	2,010.49	1/4	1,652.97	1/4	1,295.45	1/4	938.08	1/4	580.81	1/4	223.30	1/4		1/4		1/4		1/4	
1/2	2,003.04	1/2	1,645.52	1/2	1,288.00	1/2	930.64	1/2	573.36	1/2	215.85	1/2		1/2		1/2		1/2	
3/4	1,995.59	3/4	1,638.07	3/4	1,280.56	3/4	923.21	3/4	565.91	3/4	208.40	3/4		3/4		3/4		3/4	
11	1,988.14	11	1,630.63	11	1,273.11	11	915.77	11	558.46	11	200.96	11		11		11		11	
1/4	1,980.70	1/4	1,623.18	1/4	1,265.66	1/4	908.33	1/4	551.02	1/4	193.51	1/4		1/4		1/4		1/4	
1/2	1,973.25	1/2	1,615.73	1/2	1,258.21	1/2	900.90	1/2	543.57	1/2	186.06	1/2		1/2		1/2		1/2	
3/4	1,965.80	3/4	1,608.28	3/4	1,250.76	3/4	893.46	3/4	536.12	3/4	178.61	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/24/2014 CL  
CALCULATED: 09/24/2014 CL  
PRINTED: 09/24/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2014

PRECISION MEASUREMENT  
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