



BARGE "KIRBY 29108"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 PORT	00-1/4	- 00-1/4	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4
1 STBD	00-1/4	- 00-1/4	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4
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	02-1/8	- 02-1/8	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	01-1/4	- 01-1/4	01-5/8	- 01-5/8	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	01-1/4	- 01-1/4	01-5/8	- 01-5/8	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"

March 7, 2013

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29108"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	2,442.53	0	2,064.53	0	1,686.53	0	1,309.78	0	932.70	0	554.71	0	202.70	0		0		0	
1/4	2,434.66	1/4	2,056.66	1/4	1,678.66	1/4	1,301.95	1/4	924.82	1/4	546.84	1/4	196.07	1/4		1/4		1/4	
1/2	2,426.78	1/2	2,048.78	1/2	1,670.78	1/2	1,294.13	1/2	916.95	1/2	538.98	1/2	189.44	1/2		1/2		1/2	
3/4	2,418.91	3/4	2,040.91	3/4	1,662.91	3/4	1,286.30	3/4	909.07	3/4	531.11	3/4	182.81	3/4		3/4		3/4	
1	2,411.03	1	2,033.03	1	1,655.03	1	1,278.47	1	901.20	1	523.25	1	176.18	1		1		1	
1/4	2,403.16	1/4	2,025.16	1/4	1,647.16	1/4	1,270.65	1/4	893.32	1/4	515.43	1/4	169.66	1/4		1/4		1/4	
1/2	2,395.28	1/2	2,017.28	1/2	1,639.28	1/2	1,262.82	1/2	885.45	1/2	507.62	1/2	163.15	1/2		1/2		1/2	
3/4	2,387.41	3/4	2,009.41	3/4	1,631.41	3/4	1,255.00	3/4	877.58	3/4	499.80	3/4	156.63	3/4		3/4		3/4	
1	2,379.53	1	2,001.53	1	1,623.53	1	1,247.17	1	869.70	1	491.98	1	150.11	1		1		1	
1/4	2,371.66	1/4	1,993.66	1/4	1,615.66	1/4	1,239.35	1/4	861.83	1/4	484.26	1/4	143.71	1/4		1/4		1/4	
1/2	2,363.78	1/2	1,985.78	1/2	1,607.78	1/2	1,231.52	1/2	853.95	1/2	476.53	1/2	137.30	1/2		1/2		1/2	
3/4	2,355.91	3/4	1,977.91	3/4	1,599.91	3/4	1,223.70	3/4	846.08	3/4	468.81	3/4	130.90	3/4		3/4		3/4	
1	2,348.03	1	1,970.03	1	1,592.03	1	1,215.87	1	838.20	1	461.09	1	124.50	1		1		1	
1/4	2,340.16	1/4	1,962.16	1/4	1,584.16	1/4	1,208.04	1/4	830.33	1/4	453.47	1/4	118.22	1/4		1/4		1/4	
1/2	2,332.28	1/2	1,954.28	1/2	1,576.28	1/2	1,200.22	1/2	822.45	1/2	445.86	1/2	111.94	1/2		1/2		1/2	
3/4	2,324.41	3/4	1,946.41	3/4	1,568.41	3/4	1,192.39	3/4	814.58	3/4	438.24	3/4	105.65	3/4		3/4		3/4	
1	2,316.53	1	1,938.53	1	1,560.53	1	1,184.57	1	806.70	1	430.63	1	99.37	1		1		1	
1/4	2,308.66	1/4	1,930.66	1/4	1,552.67	1/4	1,176.72	1/4	798.83	1/4	423.12	1/4	93.22	1/4		1/4		1/4	
1/2	2,300.78	1/2	1,922.78	1/2	1,544.81	1/2	1,168.88	1/2	790.95	1/2	415.62	1/2	87.07	1/2		1/2		1/2	
3/4	2,292.91	3/4	1,914.91	3/4	1,536.94	3/4	1,161.04	3/4	783.08	3/4	408.11	3/4	80.91	3/4		3/4		3/4	
1	2,285.03	1	1,907.03	1	1,529.08	1	1,153.19	1	775.20	1	400.60	1	74.76	1		1		1	
1/4	2,277.16	1/4	1,899.16	1/4	1,521.23	1/4	1,145.32	1/4	767.33	1/4	393.21	1/4	68.75	1/4		1/4		1/4	
1/2	2,269.28	1/2	1,891.28	1/2	1,513.39	1/2	1,137.44	1/2	759.45	1/2	385.81	1/2	62.74	1/2		1/2		1/2	
3/4	2,261.41	3/4	1,883.41	3/4	1,505.54	3/4	1,129.57	3/4	751.58	3/4	378.42	3/4	56.73	3/4		3/4		3/4	
1	2,253.53	1	1,875.53	1	1,497.50	1	1,121.69	1	743.70	1	371.02	1	50.72	1		1		1	
1/4	2,245.66	1/4	1,867.66	1/4	1,489.86	1/4	1,113.82	1/4	735.83	1/4	363.73	1/4	45.30	1/4		1/4		1/4	
1/2	2,237.78	1/2	1,859.78	1/2	1,482.02	1/2	1,105.94	1/2	727.95	1/2	356.45	1/2	39.88	1/2		1/2		1/2	
3/4	2,229.91	3/4	1,851.91	3/4	1,474.17	3/4	1,098.07	3/4	720.08	3/4	349.16	3/4	34.47	3/4		3/4		3/4	
1	2,222.03	1	1,844.03	1	1,466.33	1	1,090.19	1	712.20	1	341.87	1	29.05	1		1		1	
1/4	2,214.16	1/4	1,836.16	1/4	1,458.50	1/4	1,082.32	1/4	704.33	1/4	334.70	1/4	25.08	1/4		1/4		1/4	
1/2	2,206.28	1/2	1,828.28	1/2	1,450.67	1/2	1,074.45	1/2	696.45	1/2	327.52	1/2	21.12	1/2		1/2		1/2	
3/4	2,198.41	3/4	1,820.41	3/4	1,442.84	3/4	1,066.57	3/4	688.58	3/4	320.34	3/4	17.15	3/4		3/4		3/4	
1	2,190.53	1	1,812.53	1	1,435.00	1	1,058.70	1	680.71	1	313.16	1	13.19	1		1		1	
1/4	2,182.66	1/4	1,804.66	1/4	1,427.17	1/4	1,050.82	1/4	672.83	1/4	306.10	1/4		1/4		1/4		1/4	
1/2	2,174.78	1/2	1,796.78	1/2	1,419.34	1/2	1,042.95	1/2	664.96	1/2	299.03	1/2		1/2		1/2		1/2	
3/4	2,166.91	3/4	1,788.91	3/4	1,411.51	3/4	1,035.07	3/4	657.08	3/4	291.96	3/4		3/4		3/4		3/4	
1	2,159.03	1	1,781.03	1	1,403.68	1	1,027.20	1	649.21	1	284.89	1		1		1		1	
1/4	2,151.16	1/4	1,773.16	1/4	1,395.86	1/4	1,019.32	1/4	641.33	1/4	277.93	1/4		1/4		1/4		1/4	
1/2	2,143.28	1/2	1,765.28	1/2	1,388.03	1/2	1,011.45	1/2	633.46	1/2	270.98	1/2		1/2		1/2		1/2	
3/4	2,135.41	3/4	1,757.41	3/4	1,380.21	3/4	1,003.57	3/4	625.58	3/4	264.02	3/4		3/4		3/4		3/4	
1	2,127.53	1	1,749.53	1	1,372.38	1	995.70	1	617.71	1	257.06	1		1		1		1	
1/4	2,119.66	1/4	1,741.66	1/4	1,364.56	1/4	987.82	1/4	609.83	1/4	250.21	1/4		1/4		1/4		1/4	
1/2	2,111.78	1/2	1,733.78	1/2	1,356.73	1/2	979.95	1/2	601.96	1/2	243.36	1/2		1/2		1/2		1/2	
3/4	2,103.91	3/4	1,725.91	3/4	1,348.90	3/4	972.07	3/4	594.08	3/4	236.51	3/4		3/4		3/4		3/4	
1	2,096.03	1	1,718.03	1	1,341.08	1	964.20	1	586.21	1	229.66	1		1		1		1	
1/4	2,088.16	1/4	1,710.16	1/4	1,333.25	1/4	956.32	1/4	578.33	1/4	222.92	1/4		1/4		1/4		1/4	
1/2	2,080.28	1/2	1,702.28	1/2	1,325.43	1/2	948.45	1/2	570.46	1/2	216.18	1/2		1/2		1/2		1/2	
3/4	2,072.41	3/4	1,694.41	3/4	1,317.60	3/4	940.57	3/4	562.58	3/4	209.44	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/06/2013 CL - SW
 CALCULATED: 03/07/2013 CL
 PRINTED: 03/07/2013 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 03/2013

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "KIRBY 29108"

1 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	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.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-06" FORWARD OF AFT BULKHEAD.

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

BARGE "KIRBY 29108"

1 STBD

ULLAGE TABLE



CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	2,444.87	0	2,066.79	0	1,688.70	0	1,310.61	0	932.79	0	554.84	0	202.75	0		0		0	
1/4	2,437.00	1/4	2,058.91	1/4	1,680.82	1/4	1,302.74	1/4	924.92	1/4	546.97	1/4	196.12	1/4		1/4		1/4	
1/2	2,429.12	1/2	2,051.03	1/2	1,672.95	1/2	1,294.86	1/2	917.06	1/2	539.10	1/2	189.49	1/2		1/2		1/2	
3/4	2,421.24	3/4	2,043.16	3/4	1,665.07	3/4	1,286.98	3/4	909.19	3/4	531.24	3/4	182.86	3/4		3/4		3/4	
1	2,413.37	1	2,035.28	1	1,657.19	1	1,279.11	1	901.33	1	523.37	1	176.22	1		1		1	
1/4	2,405.49	1/4	2,027.40	1/4	1,649.32	1/4	1,271.23	1/4	893.47	1/4	515.55	1/4	169.70	1/4		1/4		1/4	
1/2	2,397.61	1/2	2,019.53	1/2	1,641.44	1/2	1,263.35	1/2	885.60	1/2	507.73	1/2	163.18	1/2		1/2		1/2	
3/4	2,389.74	3/4	2,011.65	3/4	1,633.56	3/4	1,255.48	3/4	877.74	3/4	499.92	3/4	156.66	3/4		3/4		3/4	
2	2,381.86	2	2,003.77	2	1,625.69	2	1,247.60	2	869.87	2	492.10	2	150.14	2		2		2	
1/4	2,373.98	1/4	1,995.90	1/4	1,617.81	1/4	1,239.72	1/4	862.00	1/4	484.37	1/4	143.74	1/4		1/4		1/4	
1/2	2,366.11	1/2	1,988.02	1/2	1,609.93	1/2	1,231.85	1/2	854.13	1/2	476.65	1/2	137.34	1/2		1/2		1/2	
3/4	2,358.23	3/4	1,980.14	3/4	1,602.06	3/4	1,223.97	3/4	846.26	3/4	468.92	3/4	130.93	3/4		3/4		3/4	
3	2,350.35	3	1,972.27	3	1,594.18	3	1,216.09	3	838.39	3	461.19	3	124.53	3		3		3	
1/4	2,342.48	1/4	1,964.39	1/4	1,586.30	1/4	1,208.22	1/4	830.52	1/4	453.58	1/4	118.24	1/4		1/4		1/4	
1/2	2,334.60	1/2	1,956.51	1/2	1,578.43	1/2	1,200.34	1/2	822.64	1/2	445.96	1/2	111.96	1/2		1/2		1/2	
3/4	2,326.72	3/4	1,948.64	3/4	1,570.55	3/4	1,192.46	3/4	814.76	3/4	438.34	3/4	105.68	3/4		3/4		3/4	
4	2,318.84	4	1,940.76	4	1,562.67	4	1,184.59	4	806.89	4	430.73	4	99.40	4		4		4	
1/4	2,310.97	1/4	1,932.88	1/4	1,554.80	1/4	1,176.71	1/4	799.01	1/4	423.22	1/4	93.24	1/4		1/4		1/4	
1/2	2,303.09	1/2	1,925.00	1/2	1,546.92	1/2	1,168.83	1/2	791.14	1/2	415.71	1/2	87.09	1/2		1/2		1/2	
3/4	2,295.21	3/4	1,917.13	3/4	1,539.04	3/4	1,160.96	3/4	783.26	3/4	408.20	3/4	80.93	3/4		3/4		3/4	
5	2,287.34	5	1,909.25	5	1,531.16	5	1,153.08	5	775.38	5	400.70	5	74.78	5		5		5	
1/4	2,279.46	1/4	1,901.37	1/4	1,523.29	1/4	1,145.20	1/4	767.51	1/4	393.30	1/4	68.77	1/4		1/4		1/4	
1/2	2,271.58	1/2	1,893.50	1/2	1,515.41	1/2	1,137.32	1/2	759.63	1/2	385.90	1/2	62.75	1/2		1/2		1/2	
3/4	2,263.71	3/4	1,885.62	3/4	1,507.53	3/4	1,129.45	3/4	751.75	3/4	378.50	3/4	56.74	3/4		3/4		3/4	
6	2,255.83	6	1,877.74	6	1,499.66	6	1,121.57	6	743.88	6	371.11	6	50.73	6		6		6	
1/4	2,247.95	1/4	1,869.87	1/4	1,491.78	1/4	1,113.70	1/4	736.00	1/4	363.82	1/4	45.31	1/4		1/4		1/4	
1/2	2,240.08	1/2	1,861.99	1/2	1,483.90	1/2	1,105.83	1/2	728.12	1/2	356.53	1/2	39.89	1/2		1/2		1/2	
3/4	2,232.20	3/4	1,854.11	3/4	1,476.03	3/4	1,097.95	3/4	720.25	3/4	349.24	3/4	34.47	3/4		3/4		3/4	
7	2,224.32	7	1,846.24	7	1,468.15	7	1,090.08	7	712.37	7	341.95	7	29.05	7		7		7	
1/4	2,216.45	1/4	1,838.36	1/4	1,460.27	1/4	1,082.22	1/4	704.49	1/4	334.77	1/4	25.09	1/4		1/4		1/4	
1/2	2,208.57	1/2	1,830.48	1/2	1,452.40	1/2	1,074.35	1/2	696.62	1/2	327.59	1/2	21.12	1/2		1/2		1/2	
3/4	2,200.69	3/4	1,822.61	3/4	1,444.52	3/4	1,066.49	3/4	688.74	3/4	320.42	3/4	17.16	3/4		3/4		3/4	
8	2,192.82	8	1,814.73	8	1,436.64	8	1,058.62	8	680.86	8	313.24	8	13.19	8		8		8	
1/4	2,184.94	1/4	1,806.85	1/4	1,428.77	1/4	1,050.76	1/4	672.99	1/4	306.17	1/4		1/4		1/4		1/4	
1/2	2,177.06	1/2	1,798.98	1/2	1,420.89	1/2	1,042.89	1/2	665.11	1/2	299.10	1/2		1/2		1/2		1/2	
3/4	2,169.19	3/4	1,791.10	3/4	1,413.01	3/4	1,035.03	3/4	657.23	3/4	292.03	3/4		3/4		3/4		3/4	
9	2,161.31	9	1,783.22	9	1,405.14	9	1,027.17	9	649.36	9	284.96	9		9		9		9	
1/4	2,153.43	1/4	1,775.35	1/4	1,397.26	1/4	1,019.30	1/4	641.48	1/4	278.00	1/4		1/4		1/4		1/4	
1/2	2,145.56	1/2	1,767.47	1/2	1,389.38	1/2	1,011.44	1/2	633.60	1/2	271.04	1/2		1/2		1/2		1/2	
3/4	2,137.68	3/4	1,759.59	3/4	1,381.51	3/4	1,003.57	3/4	625.73	3/4	264.08	3/4		3/4		3/4		3/4	
10	2,129.80	10	1,751.72	10	1,373.63	10	995.71	10	617.85	10	257.12	10		10		10		10	
1/4	2,121.92	1/4	1,743.84	1/4	1,365.75	1/4	987.84	1/4	609.97	1/4	250.27	1/4		1/4		1/4		1/4	
1/2	2,114.05	1/2	1,735.96	1/2	1,357.88	1/2	979.98	1/2	602.10	1/2	243.42	1/2		1/2		1/2		1/2	
3/4	2,106.17	3/4	1,728.08	3/4	1,350.00	3/4	972.11	3/4	594.22	3/4	236.57	3/4		3/4		3/4		3/4	
11	2,098.29	11	1,720.21	11	1,342.12	11	964.25	11	586.34	11	229.72	11		11		11		11	
1/4	2,090.42	1/4	1,712.33	1/4	1,334.24	1/4	956.38	1/4	578.47	1/4	222.97	1/4		1/4		1/4		1/4	
1/2	2,082.54	1/2	1,704.45	1/2	1,326.37	1/2	948.52	1/2	570.59	1/2	216.23	1/2		1/2		1/2		1/2	
3/4	2,074.66	3/4	1,696.58	3/4	1,318.49	3/4	940.65	3/4	562.71	3/4	209.49	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/06/2013 CL - SW
 CALCULATED: 03/07/2013 CL
 PRINTED: 03/07/2013 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 03/2013

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2892
 Pearland, Texas 77588
<http://www.pimacorp.net>



BARGE "KIRBY 29108"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPIMS 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'-08" OFF CENTERLINE AND 52'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 29108"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	2,364.31	0	2,005.40	0	1,646.49	0	1,296.20	0	951.49	0	594.25	0	235.35	0		0		0	
1/4	2,356.83	1/4	1,997.92	1/4	1,639.01	1/4	1,289.00	1/4	944.32	1/4	586.78	1/4	227.88	1/4		1/4		1/4	
1/2	2,349.35	1/2	1,990.44	1/2	1,631.53	1/2	1,281.81	1/2	937.14	1/2	579.30	1/2	220.40	1/2		1/2		1/2	
3/4	2,341.87	3/4	1,982.96	3/4	1,624.05	3/4	1,274.62	3/4	929.97	3/4	571.82	3/4	212.92	3/4		3/4		3/4	
1	2,334.40	1	1,975.49	1	1,616.58	1	1,267.42	1	922.68	1	564.34	1	205.45	1		1		1	
1/4	2,326.92	1/4	1,968.01	1/4	1,609.10	1/4	1,260.23	1/4	915.39	1/4	556.87	1/4	197.97	1/4		1/4		1/4	
1/2	2,319.44	1/2	1,960.53	1/2	1,601.62	1/2	1,253.03	1/2	908.10	1/2	549.39	1/2	190.50	1/2		1/2		1/2	
3/4	2,311.96	3/4	1,953.05	3/4	1,594.14	3/4	1,245.84	3/4	900.81	3/4	541.91	3/4	183.02	3/4		3/4		3/4	
2	2,304.49	2	1,945.58	2	1,586.67	2	1,238.64	2	893.34	2	534.44	2	175.55	2		2		2	
1/4	2,297.01	1/4	1,938.10	1/4	1,579.19	1/4	1,231.45	1/4	885.86	1/4	526.96	1/4	168.08	1/4		1/4		1/4	
1/2	2,289.53	1/2	1,930.62	1/2	1,571.71	1/2	1,224.25	1/2	878.38	1/2	519.48	1/2	160.62	1/2		1/2		1/2	
3/4	2,282.06	3/4	1,923.15	3/4	1,564.23	3/4	1,217.06	3/4	870.91	3/4	512.00	3/4	153.15	3/4		3/4		3/4	
3	2,274.58	3	1,915.67	3	1,556.76	3	1,209.87	3	863.43	3	504.53	3	145.69	3		3		3	
1/4	2,267.10	1/4	1,908.19	1/4	1,549.28	1/4	1,202.68	1/4	855.95	1/4	497.05	1/4	138.23	1/4		1/4		1/4	
1/2	2,259.62	1/2	1,900.71	1/2	1,541.80	1/2	1,195.49	1/2	848.47	1/2	489.57	1/2	130.77	1/2		1/2		1/2	
3/4	2,252.15	3/4	1,893.24	3/4	1,534.33	3/4	1,188.30	3/4	841.00	3/4	482.10	3/4	123.32	3/4		3/4		3/4	
4	2,244.67	4	1,885.76	4	1,526.85	4	1,181.12	4	833.52	4	474.62	4	115.88	4		4		4	
1/4	2,237.19	1/4	1,878.28	1/4	1,519.37	1/4	1,173.94	1/4	826.04	1/4	467.14	1/4	108.44	1/4		1/4		1/4	
1/2	2,229.71	1/2	1,870.80	1/2	1,512.21	1/2	1,166.76	1/2	818.57	1/2	459.67	1/2	101.00	1/2		1/2		1/2	
3/4	2,222.24	3/4	1,863.33	3/4	1,504.84	3/4	1,159.57	3/4	811.09	3/4	452.19	3/4	93.56	3/4		3/4		3/4	
5	2,214.76	5	1,855.85	5	1,497.65	5	1,152.39	5	803.61	5	444.71	5	86.15	5		5		5	
1/4	2,207.28	1/4	1,848.37	1/4	1,490.45	1/4	1,145.21	1/4	796.13	1/4	437.23	1/4	78.74	1/4		1/4		1/4	
1/2	2,199.81	1/2	1,840.89	1/2	1,483.26	1/2	1,138.03	1/2	788.66	1/2	429.76	1/2	71.34	1/2		1/2		1/2	
3/4	2,192.33	3/4	1,833.42	3/4	1,476.06	3/4	1,130.86	3/4	781.18	3/4	422.28	3/4	63.93	3/4		3/4		3/4	
6	2,184.85	6	1,825.94	6	1,468.87	6	1,123.68	6	773.70	6	414.80	6	56.98	6		6		6	
1/4	2,177.37	1/4	1,818.46	1/4	1,461.67	1/4	1,116.51	1/4	766.23	1/4	407.33	1/4	50.03	1/4		1/4		1/4	
1/2	2,169.90	1/2	1,810.99	1/2	1,454.48	1/2	1,109.33	1/2	758.75	1/2	399.85	1/2	43.08	1/2		1/2		1/2	
3/4	2,162.42	3/4	1,803.51	3/4	1,447.28	3/4	1,102.16	3/4	751.27	3/4	392.37	3/4	36.13	3/4		3/4		3/4	
7	2,154.94	7	1,796.03	7	1,440.09	7	1,094.98	7	743.79	7	384.89	7	30.84	7		7		7	
1/4	2,147.46	1/4	1,788.55	1/4	1,432.89	1/4	1,087.81	1/4	736.32	1/4	377.42	1/4	25.54	1/4		1/4		1/4	
1/2	2,139.99	1/2	1,781.08	1/2	1,425.70	1/2	1,080.63	1/2	728.84	1/2	369.94	1/2	20.25	1/2		1/2		1/2	
3/4	2,132.51	3/4	1,773.60	3/4	1,418.51	3/4	1,073.46	3/4	721.36	3/4	362.46	3/4	14.96	3/4		3/4		3/4	
8	2,125.03	8	1,766.12	8	1,411.31	8	1,066.28	8	713.89	8	354.99	8		8		8		8	
1/4	2,117.56	1/4	1,758.64	1/4	1,404.12	1/4	1,059.11	1/4	706.41	1/4	347.51	1/4		1/4		1/4		1/4	
1/2	2,110.08	1/2	1,751.17	1/2	1,396.92	1/2	1,051.93	1/2	698.93	1/2	340.03	1/2		1/2		1/2		1/2	
3/4	2,102.60	3/4	1,743.69	3/4	1,389.73	3/4	1,044.76	3/4	691.46	3/4	332.55	3/4		3/4		3/4		3/4	
9	2,095.12	9	1,736.21	9	1,382.53	9	1,037.59	9	683.98	9	325.08	9		9		9		9	
1/4	2,087.65	1/4	1,728.74	1/4	1,375.34	1/4	1,030.41	1/4	676.50	1/4	317.60	1/4		1/4		1/4		1/4	
1/2	2,080.17	1/2	1,721.26	1/2	1,368.14	1/2	1,023.24	1/2	669.02	1/2	310.12	1/2		1/2		1/2		1/2	
3/4	2,072.69	3/4	1,713.78	3/4	1,360.95	3/4	1,016.06	3/4	661.55	3/4	302.65	3/4		3/4		3/4		3/4	
10	2,065.21	10	1,706.30	10	1,353.76	10	1,008.89	10	654.07	10	295.17	10		10		10		10	
1/4	2,057.74	1/4	1,698.83	1/4	1,346.56	1/4	1,001.71	1/4	646.59	1/4	287.69	1/4		1/4		1/4		1/4	
1/2	2,050.26	1/2	1,691.35	1/2	1,339.37	1/2	994.54	1/2	639.12	1/2	280.21	1/2		1/2		1/2		1/2	
3/4	2,042.78	3/4	1,683.87	3/4	1,332.17	3/4	987.36	3/4	631.64	3/4	272.74	3/4		3/4		3/4		3/4	
11	2,035.30	11	1,676.39	11	1,324.98	11	980.19	11	624.16	11	265.26	11		11		11		11	
1/4	2,027.83	1/4	1,668.92	1/4	1,317.78	1/4	973.01	1/4	616.68	1/4	257.78	1/4		1/4		1/4		1/4	
1/2	2,020.35	1/2	1,661.44	1/2	1,310.59	1/2	965.84	1/2	609.21	1/2	250.31	1/2		1/2		1/2		1/2	
3/4	2,012.87	3/4	1,653.96	3/4	1,303.39	3/4	958.66	3/4	601.73	3/4	242.83	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/06/2013 CL - SW
CALCULATED: 03/07/2013 CL
PRINTED: 03/07/2013 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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



BARGE "KIRBY 29108"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/4"

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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	2,403.38	0	2,044.47	0	1,685.55	0	1,326.64	0	967.97	0	609.21	0	250.31	0		0		0	
1/4	2,395.90	1/4	2,036.99	1/4	1,678.07	1/4	1,319.16	1/4	960.51	1/4	601.73	1/4	242.83	1/4		1/4		1/4	
1/2	2,388.43	1/2	2,029.51	1/2	1,670.60	1/2	1,311.68	1/2	953.04	1/2	593.25	1/2	235.35	1/2		1/2		1/2	
3/4	2,380.95	3/4	2,022.03	3/4	1,663.12	3/4	1,304.20	3/4	945.58	3/4	586.78	3/4	227.88	3/4		3/4		3/4	
1	2,373.47	1	2,014.56	1	1,655.64	1	1,296.73	1	938.11	1	579.30	1	220.40	1		1		1	
1/4	2,365.99	1/4	2,007.08	1/4	1,648.16	1/4	1,289.25	1/4	930.65	1/4	571.82	1/4	212.92	1/4		1/4		1/4	
1/2	2,358.52	1/2	1,999.60	1/2	1,640.69	1/2	1,281.77	1/2	923.18	1/2	564.34	1/2	205.45	1/2		1/2		1/2	
3/4	2,351.04	3/4	1,992.12	3/4	1,633.21	3/4	1,274.29	3/4	915.71	3/4	556.87	3/4	197.97	3/4		3/4		3/4	
1	2,343.56	1	1,984.65	1	1,625.73	1	1,266.82	1	908.25	1	549.39	1	190.50	1		1		1	
1/4	2,336.08	1/4	1,977.17	1/4	1,618.25	1/4	1,259.34	1/4	900.78	1/4	541.91	1/4	183.02	1/4		1/4		1/4	
1/2	2,328.60	1/2	1,969.69	1/2	1,610.78	1/2	1,251.86	1/2	893.31	1/2	534.44	1/2	175.55	1/2		1/2		1/2	
3/4	2,321.13	3/4	1,962.21	3/4	1,603.30	3/4	1,244.38	3/4	885.85	3/4	526.96	3/4	168.08	3/4		3/4		3/4	
1	2,313.65	1	1,954.74	1	1,595.82	1	1,236.91	1	878.38	1	519.48	1	160.62	1		1		1	
1/4	2,306.17	1/4	1,947.26	1/4	1,588.34	1/4	1,229.43	1/4	870.91	1/4	512.00	1/4	153.15	1/4		1/4		1/4	
1/2	2,298.70	1/2	1,939.78	1/2	1,580.87	1/2	1,221.95	1/2	863.43	1/2	504.53	1/2	145.69	1/2		1/2		1/2	
3/4	2,291.22	3/4	1,932.30	3/4	1,573.39	3/4	1,214.47	3/4	855.95	3/4	497.05	3/4	138.23	3/4		3/4		3/4	
1	2,283.74	1	1,924.83	1	1,565.91	1	1,207.00	1	848.47	1	489.57	1	130.77	1		1		1	
1/4	2,276.27	1/4	1,917.35	1/4	1,558.43	1/4	1,199.52	1/4	841.00	1/4	482.10	1/4	123.32	1/4		1/4		1/4	
1/2	2,268.79	1/2	1,909.87	1/2	1,550.96	1/2	1,192.04	1/2	833.52	1/2	474.62	1/2	115.88	1/2		1/2		1/2	
3/4	2,261.31	3/4	1,902.40	3/4	1,543.48	3/4	1,184.56	3/4	826.04	3/4	467.14	3/4	108.44	3/4		3/4		3/4	
1	2,253.83	1	1,894.92	1	1,536.00	1	1,177.09	1	818.57	1	459.67	1	101.00	1		1		1	
1/4	2,246.36	1/4	1,887.44	1/4	1,528.53	1/4	1,169.61	1/4	811.09	1/4	452.19	1/4	93.56	1/4		1/4		1/4	
1/2	2,238.88	1/2	1,879.96	1/2	1,521.05	1/2	1,162.13	1/2	803.61	1/2	444.71	1/2	86.15	1/2		1/2		1/2	
3/4	2,231.40	3/4	1,872.49	3/4	1,513.57	3/4	1,154.66	3/4	796.13	3/4	437.23	3/4	78.74	3/4		3/4		3/4	
1	2,223.92	1	1,865.01	1	1,506.09	1	1,147.18	1	788.66	1	429.76	1	71.34	1		1		1	
1/4	2,216.45	1/4	1,857.53	1/4	1,498.62	1/4	1,139.70	1/4	781.18	1/4	422.28	1/4	63.93	1/4		1/4		1/4	
1/2	2,208.97	1/2	1,850.05	1/2	1,491.14	1/2	1,132.23	1/2	773.70	1/2	414.80	1/2	56.98	1/2		1/2		1/2	
3/4	2,201.49	3/4	1,842.58	3/4	1,483.66	3/4	1,124.76	3/4	766.23	3/4	407.33	3/4	50.03	3/4		3/4		3/4	
1	2,194.01	1	1,835.10	1	1,476.18	1	1,117.28	1	758.75	1	399.85	1	43.08	1		1		1	
1/4	2,186.54	1/4	1,827.62	1/4	1,468.71	1/4	1,109.81	1/4	751.27	1/4	392.37	1/4	36.13	1/4		1/4		1/4	
1/2	2,179.06	1/2	1,820.14	1/2	1,461.23	1/2	1,102.34	1/2	743.79	1/2	384.89	1/2	30.84	1/2		1/2		1/2	
3/4	2,171.58	3/4	1,812.67	3/4	1,453.75	3/4	1,094.88	3/4	736.32	3/4	377.42	3/4	25.54	3/4		3/4		3/4	
1	2,164.10	1	1,805.19	1	1,446.27	1	1,087.41	1	728.84	1	369.94	1	20.25	1		1		1	
1/4	2,156.63	1/4	1,797.71	1/4	1,438.80	1/4	1,079.95	1/4	721.36	1/4	362.46	1/4	14.96	1/4		1/4		1/4	
1/2	2,149.15	1/2	1,790.23	1/2	1,431.32	1/2	1,072.48	1/2	713.89	1/2	354.99	1/2		1/2		1/2		1/2	
3/4	2,141.67	3/4	1,782.76	3/4	1,423.84	3/4	1,065.02	3/4	706.41	3/4	347.51	3/4		3/4		3/4		3/4	
1	2,134.19	1	1,775.28	1	1,416.36	1	1,057.55	1	698.93	1	340.03	1		1		1		1	
1/4	2,126.72	1/4	1,767.80	1/4	1,408.89	1/4	1,050.09	1/4	691.46	1/4	332.55	1/4		1/4		1/4		1/4	
1/2	2,119.24	1/2	1,760.32	1/2	1,401.41	1/2	1,042.62	1/2	683.98	1/2	325.08	1/2		1/2		1/2		1/2	
3/4	2,111.76	3/4	1,752.85	3/4	1,393.93	3/4	1,035.16	3/4	676.50	3/4	317.60	3/4		3/4		3/4		3/4	
1	2,104.29	1	1,745.37	1	1,386.45	1	1,027.69	1	669.02	1	310.12	1		1		1		1	
1/4	2,096.81	1/4	1,737.89	1/4	1,378.98	1/4	1,020.23	1/4	661.55	1/4	302.65	1/4		1/4		1/4		1/4	
1/2	2,089.33	1/2	1,730.42	1/2	1,371.50	1/2	1,012.76	1/2	654.07	1/2	295.17	1/2		1/2		1/2		1/2	
3/4	2,081.85	3/4	1,722.94	3/4	1,364.02	3/4	1,005.30	3/4	646.59	3/4	287.69	3/4		3/4		3/4		3/4	
1	2,074.38	1	1,715.46	1	1,356.55	1	997.83	1	639.12	1	280.21	1		1		1		1	
1/4	2,066.90	1/4	1,707.98	1/4	1,349.07	1/4	990.37	1/4	631.64	1/4	272.74	1/4		1/4		1/4		1/4	
1/2	2,059.42	1/2	1,700.51	1/2	1,341.59	1/2	982.90	1/2	624.16	1/2	265.26	1/2		1/2		1/2		1/2	
3/4	2,051.94	3/4	1,693.03	3/4	1,334.11	3/4	975.44	3/4	616.68	3/4	257.78	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/06/2013 CL - SW
 CALCULATED: 03/07/2013 CL
 PRINTED: 03/07/2013 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 03/2013

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



BARGE "KIRBY 29108"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	2,277.65	0	1,920.58	0	1,564.47	0	1,207.73	0	863.31	0	506.14	0	148.76	0		0		0	
1/4	2,270.22	1/4	1,913.13	1/4	1,557.05	1/4	1,200.56	1/4	858.89	1/4	498.69	1/4	141.31	1/4		1/4		1/4	
1/2	2,262.79	1/2	1,905.69	1/2	1,549.63	1/2	1,193.38	1/2	848.46	1/2	491.25	1/2	133.86	1/2		1/2		1/2	
3/4	2,255.36	3/4	1,898.27	3/4	1,542.19	3/4	1,186.21	3/4	841.04	3/4	483.80	3/4	126.42	3/4		3/4		3/4	
1	2,247.93	1	1,890.85	1	1,534.74	1	1,179.03	1	833.61	1	476.36	1	118.97	1		1		1	
1 1/4	2,240.50	1 1/4	1,883.44	1 1/4	1,527.30	1 1/4	1,171.85	1 1/4	826.19	1 1/4	468.91	1 1/4	111.53	1 1/4		1 1/4		1 1/4	
1 1/2	2,233.07	1 1/2	1,876.02	1 1/2	1,519.85	1 1/2	1,164.68	1 1/2	818.77	1 1/2	461.47	1 1/2	104.08	1 1/2		1 1/2		1 1/2	
3/4	2,225.64	3/4	1,868.60	3/4	1,512.41	3/4	1,157.50	3/4	811.34	3/4	454.02	3/4	96.95	3/4		3/4		3/4	
2	2,218.21	2	1,861.18	2	1,504.97	2	1,150.33	2	803.92	2	446.58	2	89.82	2		2		2	
1 1/4	2,210.78	1 1/4	1,853.76	1 1/4	1,497.52	1 1/4	1,143.15	1 1/4	796.49	1 1/4	439.13	1 1/4	82.69	1 1/4		1 1/4		1 1/4	
1 1/2	2,203.35	1 1/2	1,846.35	1 1/2	1,490.08	1 1/2	1,135.97	1 1/2	789.07	1 1/2	431.68	1 1/2	75.56	1 1/2		1 1/2		1 1/2	
3/4	2,195.92	3/4	1,838.93	3/4	1,482.63	3/4	1,128.80	3/4	781.62	3/4	424.24	3/4	69.38	3/4		3/4		3/4	
3	2,188.49	3	1,831.51	3	1,475.19	3	1,121.62	3	774.18	3	416.79	3	63.19	3		3		3	
1 1/4	2,181.06	1 1/4	1,824.09	1 1/4	1,467.74	1 1/4	1,114.45	1 1/4	766.73	1 1/4	409.35	1 1/4	57.00	1 1/4		1 1/4		1 1/4	
1 1/2	2,173.63	1 1/2	1,816.68	1 1/2	1,460.30	1 1/2	1,107.27	1 1/2	759.29	1 1/2	401.90	1 1/2	50.81	1 1/2		1 1/2		1 1/2	
3/4	2,166.20	3/4	1,809.26	3/4	1,452.86	3/4	1,100.09	3/4	751.84	3/4	394.46	3/4	45.88	3/4		3/4		3/4	
4	2,158.77	4	1,801.84	4	1,445.41	4	1,092.92	4	744.40	4	387.01	4	40.94	4		4		4	
1 1/4	2,151.34	1 1/4	1,794.42	1 1/4	1,437.97	1 1/4	1,085.74	1 1/4	736.95	1 1/4	379.57	1 1/4	36.01	1 1/4		1 1/4		1 1/4	
1 1/2	2,143.91	1 1/2	1,787.00	1 1/2	1,430.52	1 1/2	1,078.57	1 1/2	729.50	1 1/2	372.12	1 1/2	31.08	1 1/2		1 1/2		1 1/2	
3/4	2,136.46	3/4	1,779.59	3/4	1,423.08	3/4	1,071.40	3/4	722.06	3/4	364.67	3/4	27.41	3/4		3/4		3/4	
5	2,129.02	5	1,772.17	5	1,415.64	5	1,064.24	5	714.61	5	357.23	5	23.74	5		5		5	
1 1/4	2,121.57	1 1/4	1,764.75	1 1/4	1,408.19	1 1/4	1,057.08	1 1/4	707.17	1 1/4	349.78	1 1/4	20.08	1 1/4		1 1/4		1 1/4	
1 1/2	2,114.13	1 1/2	1,757.33	1 1/2	1,400.75	1 1/2	1,049.92	1 1/2	699.72	1 1/2	342.34	1 1/2	16.41	1 1/2		1 1/2		1 1/2	
3/4	2,106.69	3/4	1,749.91	3/4	1,393.30	3/4	1,042.76	3/4	692.28	3/4	334.89	3/4		3/4		3/4		3/4	
6	2,099.24	6	1,742.50	6	1,385.86	6	1,035.59	6	684.83	6	327.45	6		6		6		6	
1 1/4	2,091.80	1 1/4	1,735.08	1 1/4	1,378.41	1 1/4	1,028.43	1 1/4	677.39	1 1/4	320.00	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,084.35	1 1/2	1,727.66	1 1/2	1,370.97	1 1/2	1,021.27	1 1/2	669.94	1 1/2	312.56	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,076.91	3/4	1,720.24	3/4	1,363.53	3/4	1,014.11	3/4	662.49	3/4	305.11	3/4		3/4		3/4		3/4	
7	2,069.46	7	1,712.82	7	1,356.08	7	1,006.95	7	655.05	7	297.67	7		7		7		7	
1 1/4	2,062.02	1 1/4	1,705.41	1 1/4	1,348.64	1 1/4	999.79	1 1/4	647.60	1 1/4	290.22	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,054.58	1 1/2	1,697.99	1 1/2	1,341.19	1 1/2	992.64	1 1/2	640.16	1 1/2	282.77	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,047.13	3/4	1,690.57	3/4	1,333.75	3/4	985.48	3/4	632.71	3/4	275.33	3/4		3/4		3/4		3/4	
8	2,039.69	8	1,683.15	8	1,326.31	8	978.33	8	625.27	8	267.88	8		8		8		8	
1 1/4	2,032.24	1 1/4	1,675.74	1 1/4	1,318.86	1 1/4	971.17	1 1/4	617.82	1 1/4	260.44	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,024.80	1 1/2	1,668.32	1 1/2	1,311.42	1 1/2	964.02	1 1/2	610.38	1 1/2	252.99	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,017.35	3/4	1,660.90	3/4	1,303.97	3/4	956.86	3/4	602.93	3/4	245.55	3/4		3/4		3/4		3/4	
9	2,009.91	9	1,653.48	9	1,296.53	9	949.71	9	595.49	9	238.10	9		9		9		9	
1 1/4	2,002.47	1 1/4	1,646.06	1 1/4	1,289.08	1 1/4	942.55	1 1/4	588.04	1 1/4	230.66	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,995.02	1 1/2	1,638.65	1 1/2	1,281.64	1 1/2	935.40	1 1/2	580.59	1 1/2	223.21	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,987.58	3/4	1,631.23	3/4	1,274.20	3/4	928.24	3/4	573.15	3/4	215.76	3/4		3/4		3/4		3/4	
10	1,980.13	10	1,623.81	10	1,266.75	10	921.09	10	565.70	10	208.32	10		10		10		10	
1 1/4	1,972.69	1 1/4	1,616.39	1 1/4	1,259.31	1 1/4	913.93	1 1/4	558.26	1 1/4	200.87	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,965.24	1 1/2	1,608.97	1 1/2	1,251.86	1 1/2	906.78	1 1/2	550.81	1 1/2	193.43	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,957.80	3/4	1,601.56	3/4	1,244.42	3/4	899.62	3/4	543.37	3/4	185.98	3/4		3/4		3/4		3/4	
11	1,950.36	11	1,594.14	11	1,236.97	11	892.47	11	535.92	11	178.54	11		11		11		11	
1 1/4	1,942.91	1 1/4	1,586.72	1 1/4	1,229.53	1 1/4	885.31	1 1/4	528.48	1 1/4	171.09	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,935.47	1 1/2	1,579.30	1 1/2	1,222.09	1 1/2	878.16	1 1/2	521.03	1 1/2	163.65	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,928.02	3/4	1,571.88	3/4	1,214.91	3/4	870.74	3/4	513.58	3/4	156.20	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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



BARGE "KIRBY 29108"

3 STBD

ULLAGE TABLE

CAPACITIES IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	2,303.21	0	1,945.34	0	1,587.48	0	1,229.61	0	872.00	0	514.27	0	156.42	0		0		0	
1/4	2,295.75	1/4	1,937.89	1/4	1,580.02	1/4	1,222.16	1/4	864.56	1/4	506.82	1/4	148.96	1/4		1/4		1/4	
1/2	2,288.29	1/2	1,930.43	1/2	1,572.57	1/2	1,214.70	1/2	857.11	1/2	499.36	1/2	141.51	1/2		1/2		1/2	
3/4	2,280.84	3/4	1,922.97	3/4	1,565.11	3/4	1,207.25	3/4	849.67	3/4	491.91	3/4	134.05	3/4		3/4		3/4	
1	2,273.38	1	1,915.52	1	1,557.66	1	1,199.79	1	842.22	1	484.45	1	126.60	1		1		1	
1 1/4	2,265.93	1 1/4	1,908.06	1 1/4	1,550.20	1 1/4	1,192.34	1 1/4	834.78	1 1/4	477.00	1 1/4	119.14	1 1/4		1 1/4		1 1/4	
1 1/2	2,258.47	1 1/2	1,900.61	1 1/2	1,542.74	1 1/2	1,184.88	1 1/2	827.34	1 1/2	469.54	1 1/2	111.69	1 1/2		1 1/2		1 1/2	
3/4	2,251.02	3/4	1,893.15	3/4	1,535.29	3/4	1,177.42	3/4	819.89	3/4	462.09	3/4	104.23	3/4		3/4		3/4	
2	2,243.56	2	1,885.70	2	1,527.83	2	1,169.97	2	812.45	2	454.63	2	97.09	2		2		2	
2 1/4	2,236.11	2 1/4	1,878.24	2 1/4	1,520.38	2 1/4	1,162.51	2 1/4	805.01	2 1/4	447.18	2 1/4	89.95	2 1/4		2 1/4		2 1/4	
1 1/2	2,228.65	1 1/2	1,870.79	1 1/2	1,512.92	1 1/2	1,155.06	1 1/2	797.56	1 1/2	439.72	1 1/2	82.81	1 1/2		1 1/2		1 1/2	
3/4	2,221.19	3/4	1,863.33	3/4	1,505.47	3/4	1,147.60	3/4	790.12	3/4	432.26	3/4	75.67	3/4		3/4		3/4	
3	2,213.74	3	1,855.88	3	1,498.01	3	1,140.15	3	782.66	3	424.81	3	69.47	3		3		3	
3 1/4	2,206.28	3 1/4	1,848.42	3 1/4	1,490.56	3 1/4	1,132.69	3 1/4	775.21	3 1/4	417.35	3 1/4	63.28	3 1/4		3 1/4		3 1/4	
1 1/2	2,198.83	1 1/2	1,840.96	1 1/2	1,483.10	1 1/2	1,125.24	1 1/2	767.75	1 1/2	409.90	1 1/2	57.08	1 1/2		1 1/2		1 1/2	
3/4	2,191.37	3/4	1,833.51	3/4	1,475.64	3/4	1,117.78	3/4	760.30	3/4	402.44	3/4	50.88	3/4		3/4		3/4	
4	2,183.92	4	1,826.05	4	1,468.19	4	1,110.33	4	752.84	4	394.99	4	45.93	4		4		4	
4 1/4	2,176.46	4 1/4	1,818.60	4 1/4	1,460.73	4 1/4	1,102.87	4 1/4	745.39	4 1/4	387.53	4 1/4	40.99	4 1/4		4 1/4		4 1/4	
1 1/2	2,169.01	1 1/2	1,811.14	1 1/2	1,453.28	1 1/2	1,095.41	1 1/2	737.93	1 1/2	380.08	1 1/2	36.05	1 1/2		1 1/2		1 1/2	
3/4	2,161.55	3/4	1,803.69	3/4	1,445.82	3/4	1,087.96	3/4	730.48	3/4	372.62	3/4	31.11	3/4		3/4		3/4	
5	2,154.10	5	1,796.23	5	1,438.37	5	1,080.50	5	723.02	5	365.17	5	27.43	5		5		5	
5 1/4	2,146.64	5 1/4	1,788.78	5 1/4	1,430.91	5 1/4	1,073.05	5 1/4	715.57	5 1/4	357.71	5 1/4	23.76	5 1/4		5 1/4		5 1/4	
1 1/2	2,139.18	1 1/2	1,781.32	1 1/2	1,423.46	1 1/2	1,065.59	1 1/2	708.11	1 1/2	350.26	1 1/2	20.08	1 1/2		1 1/2		1 1/2	
3/4	2,131.73	3/4	1,773.86	3/4	1,416.00	3/4	1,058.14	3/4	700.66	3/4	342.80	3/4	16.40	3/4		3/4		3/4	
6	2,124.27	6	1,766.41	6	1,408.55	6	1,050.68	6	693.20	6	335.35	6		6		6		6	
6 1/4	2,116.82	6 1/4	1,758.95	6 1/4	1,401.09	6 1/4	1,043.23	6 1/4	685.75	6 1/4	327.89	6 1/4		6 1/4		6 1/4		6 1/4	
1 1/2	2,109.36	1 1/2	1,751.50	1 1/2	1,393.63	1 1/2	1,035.77	1 1/2	678.29	1 1/2	320.44	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,101.91	3/4	1,744.04	3/4	1,386.18	3/4	1,028.31	3/4	670.83	3/4	312.98	3/4		3/4		3/4		3/4	
7	2,094.45	7	1,736.59	7	1,378.72	7	1,020.87	7	663.38	7	305.52	7		7		7		7	
7 1/4	2,087.00	7 1/4	1,729.13	7 1/4	1,371.27	7 1/4	1,013.43	7 1/4	655.92	7 1/4	298.07	7 1/4		7 1/4		7 1/4		7 1/4	
1 1/2	2,079.54	1 1/2	1,721.68	1 1/2	1,363.81	1 1/2	1,005.98	1 1/2	648.47	1 1/2	290.61	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,072.08	3/4	1,714.22	3/4	1,356.36	3/4	998.54	3/4	641.01	3/4	283.16	3/4		3/4		3/4		3/4	
8	2,064.63	8	1,706.77	8	1,348.90	8	991.10	8	633.56	8	275.70	8		8		8		8	
8 1/4	2,057.17	8 1/4	1,699.31	8 1/4	1,341.45	8 1/4	983.65	8 1/4	626.10	8 1/4	268.25	8 1/4		8 1/4		8 1/4		8 1/4	
1 1/2	2,049.72	1 1/2	1,691.85	1 1/2	1,333.99	1 1/2	976.21	1 1/2	618.65	1 1/2	260.79	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,042.26	3/4	1,684.40	3/4	1,326.53	3/4	968.77	3/4	611.19	3/4	253.34	3/4		3/4		3/4		3/4	
9	2,034.81	9	1,676.94	9	1,319.08	9	961.32	9	603.74	9	245.88	9		9		9		9	
9 1/4	2,027.35	9 1/4	1,669.49	9 1/4	1,311.62	9 1/4	953.88	9 1/4	596.28	9 1/4	238.43	9 1/4		9 1/4		9 1/4		9 1/4	
1 1/2	2,019.90	1 1/2	1,662.03	1 1/2	1,304.17	1 1/2	946.43	1 1/2	588.83	1 1/2	230.97	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,012.44	3/4	1,654.58	3/4	1,296.71	3/4	938.99	3/4	581.37	3/4	223.52	3/4		3/4		3/4		3/4	
10	2,004.99	10	1,647.12	10	1,289.26	10	931.55	10	573.92	10	216.06	10		10		10		10	
10 1/4	1,997.53	10 1/4	1,639.67	10 1/4	1,281.80	10 1/4	924.10	10 1/4	566.46	10 1/4	208.61	10 1/4		10 1/4		10 1/4		10 1/4	
1 1/2	1,990.07	1 1/2	1,632.21	1 1/2	1,274.35	1 1/2	916.66	1 1/2	559.01	1 1/2	201.15	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,982.62	3/4	1,624.75	3/4	1,266.89	3/4	909.22	3/4	551.55	3/4	193.70	3/4		3/4		3/4		3/4	
11	1,975.16	11	1,617.30	11	1,259.44	11	901.77	11	544.09	11	186.24	11		11		11		11	
11 1/4	1,967.71	11 1/4	1,609.84	11 1/4	1,251.98	11 1/4	894.33	11 1/4	536.64	11 1/4	178.78	11 1/4		11 1/4		11 1/4		11 1/4	
1 1/2	1,960.25	1 1/2	1,602.39	1 1/2	1,244.52	1 1/2	886.89	1 1/2	529.18	1 1/2	171.33	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,952.80	3/4	1,594.93	3/4	1,237.07	3/4	879.44	3/4	521.73	3/4	163.87	3/4		3/4		3/4		3/4	

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