

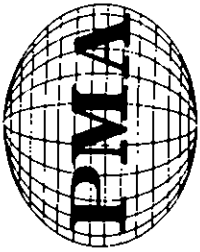


KIRBY 8627B



Barge Strapping Tables





BARGE

EX USL 448 KIRBY 8627B
ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4	00-7/8	- 00-7/8
1 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4	00-7/8	- 00-7/8
2 PORT	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8
2 STBD	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8
3 PORT	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/8	- 02-1/8
3 STBD	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/8	- 02-1/8

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

LENGTH BETWEEN DRAFT MARKS: 101'-03"

October 27, 2004

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

http://www.pmacorp.net



BARGE EX USL 448 KIRBY 8627B

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE 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.	
M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N
0	430.59	0	301.12	0	171.64	0	42.16	0	0	0	0	0	0	0	0	0	0	0	0
1/4	427.90	1/4	298.42	1/4	168.94	1/4	39.47	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	425.20	1/2	295.72	1/2	166.25	1/2	36.77	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	422.50	3/4	293.03	3/4	163.55	3/4	34.07	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	419.81	1	290.33	1	160.85	1	31.49	1	1	1	1	1	1	1	1	1	1	1	1
1/4	417.11	1/4	287.63	1/4	158.16	1/4	28.91	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	414.41	1/2	284.94	1/2	155.46	1/2	26.32	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	411.72	3/4	282.24	3/4	152.76	3/4	23.74	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	409.02	2	279.54	2	150.07	2	21.16	2	2	2	2	2	2	2	2	2	2	2	2
1/4	406.32	1/4	276.85	1/4	147.37	1/4	19.37	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	403.63	1/2	274.15	1/2	144.68	1/2	17.19	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	400.93	3/4	271.46	3/4	141.98	3/4	15.00	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	398.24	3	268.76	3	139.28	3	12.81	3	3	3	3	3	3	3	3	3	3	3	3
1/4	395.54	1/4	266.06	1/4	136.59	1/4	10.62	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	392.84	1/2	263.37	1/2	133.89	1/2	8.43	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	390.15	3/4	260.67	3/4	131.19	3/4	6.24	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	387.44	4	257.97	4	128.49	4	4.05	4	4	4	4	4	4	4	4	4	4	4	4
1/4	384.74	1/4	255.26	1/4	125.79	1/4	1.86	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	382.04	1/2	252.56	1/2	123.09	1/2	0.00	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	379.34	3/4	249.86	3/4	120.38	3/4	0.00	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	376.64	5	247.16	5	117.69	5	0.00	5	5	5	5	5	5	5	5	5	5	5	5
1/4	373.94	1/4	244.47	1/4	114.99	1/4	0.00	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	371.25	1/2	241.77	1/2	112.29	1/2	0.00	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	368.55	3/4	239.07	3/4	109.60	3/4	0.00	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	365.85	6	236.38	6	106.90	6	0.00	6	6	6	6	6	6	6	6	6	6	6	6
1/4	363.16	1/4	233.68	1/4	104.21	1/4	0.00	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	360.46	1/2	230.98	1/2	101.51	1/2	0.00	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	357.76	3/4	228.29	3/4	98.81	3/4	0.00	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	355.07	7	225.59	7	96.12	7	0.00	7	7	7	7	7	7	7	7	7	7	7	7
1/4	352.37	1/4	222.90	1/4	93.42	1/4	0.00	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	349.68	1/2	220.20	1/2	90.72	1/2	0.00	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	346.98	3/4	217.50	3/4	88.03	3/4	0.00	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	344.28	8	214.81	8	85.33	8	0.00	8	8	8	8	8	8	8	8	8	8	8	8
1/4	341.59	1/4	212.11	1/4	82.63	1/4	0.00	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	338.89	1/2	209.41	1/2	79.94	1/2	0.00	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	336.19	3/4	206.72	3/4	77.24	3/4	0.00	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	333.50	9	204.02	9	74.54	9	0.00	9	9	9	9	9	9	9	9	9	9	9	9
1/4	330.80	1/4	201.32	1/4	71.85	1/4	0.00	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	328.10	1/2	198.63	1/2	69.15	1/2	0.00	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	325.41	3/4	195.93	3/4	66.46	3/4	0.00	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	322.71	10	193.23	10	63.75	10	0.00	10	10	10	10	10	10	10	10	10	10	10	10
1/4	320.00	1/4	190.53	1/4	61.05	1/4	0.00	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	317.30	1/2	187.82	1/2	58.35	1/2	0.00	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	314.60	3/4	185.12	3/4	55.65	3/4	0.00	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	311.90	11	182.43	11	52.95	11	0.00	11	11	11	11	11	11	11	11	11	11	11	11
1/4	309.21	1/4	179.73	1/4	50.25	1/4	0.00	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	306.51	1/2	177.03	1/2	47.56	1/2	0.00	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	303.81	3/4	174.34	3/4	44.86	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 1062/1970 CM
DECK MEASUREMENTS: 102772004 8W
REPRINTED: 102772004 3W

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2004

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



BARGE EX USL 448 KIRBY 8627B

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE 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.	
W	H	W	H	W	H	W	H	W	H	W	H	W	H	W	H	W	H	W	H
0	430.56	0	301.12	0	171.64	0	42.16	0	0	0	0	0	0	0	0	0	0	0	0
1/4	427.87	1/4	298.42	1/4	168.94	1/4	39.47	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	425.19	1/2	295.72	1/2	166.25	1/2	36.77	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	422.50	3/4	293.03	3/4	163.55	3/4	34.07	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	419.81	1	290.33	1	160.85	1	31.49	1	1	1	1	1	1	1	1	1	1	1	1
1 1/4	417.11	1 1/4	287.63	1 1/4	158.16	1 1/4	28.91	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	414.41	1 1/2	284.94	1 1/2	155.46	1 1/2	26.32	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	411.72	3/4	282.24	3/4	152.76	3/4	23.74	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	409.02	2	279.54	2	150.07	2	21.56	2	2	2	2	2	2	2	2	2	2	2	2
1 1/4	406.32	1 1/4	276.85	1 1/4	147.37	1 1/4	19.37	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	403.63	1 1/2	274.15	1 1/2	144.68	1 1/2	17.19	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	400.93	3/4	271.46	3/4	141.98	3/4	15.00	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	398.24	3	268.76	3	139.28	3	13.33	3	3	3	3	3	3	3	3	3	3	3	3
1 1/4	395.54	1 1/4	266.06	1 1/4	136.59	1 1/4	11.66	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	392.84	1 1/2	263.37	1 1/2	133.89	1 1/2	9.99	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	390.15	3/4	260.67	3/4	131.19	3/4	8.31	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	387.44	4	257.97	4	128.49	4	6.64	4	4	4	4	4	4	4	4	4	4	4	4
1 1/4	384.74	1 1/4	255.26	1 1/4	125.79	1 1/4	4.97	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	382.04	1 1/2	252.56	1 1/2	123.09	1 1/2	3.30	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	379.34	3/4	249.86	3/4	120.38	3/4	1.63	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	376.64	5	247.16	5	117.69	5	0	5	5	5	5	5	5	5	5	5	5	5	5
1 1/4	373.94	1 1/4	244.47	1 1/4	114.99	1 1/4	-1.04	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	371.25	1 1/2	241.77	1 1/2	112.29	1 1/2	-2.71	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	368.55	3/4	239.07	3/4	109.60	3/4	-4.38	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	365.85	6	236.38	6	106.90	6	-6.05	6	6	6	6	6	6	6	6	6	6	6	6
1 1/4	363.16	1 1/4	233.68	1 1/4	104.21	1 1/4	-7.72	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	360.46	1 1/2	230.99	1 1/2	101.51	1 1/2	-9.39	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	357.76	3/4	228.29	3/4	98.81	3/4	-11.06	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	355.07	7	225.59	7	96.12	7	-12.73	7	7	7	7	7	7	7	7	7	7	7	7
1 1/4	352.37	1 1/4	222.90	1 1/4	93.42	1 1/4	-14.40	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	349.68	1 1/2	220.20	1 1/2	90.72	1 1/2	-16.07	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	346.98	3/4	217.50	3/4	88.03	3/4	-17.74	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	344.28	8	214.81	8	85.33	8	-19.41	8	8	8	8	8	8	8	8	8	8	8	8
1 1/4	341.59	1 1/4	212.11	1 1/4	82.63	1 1/4	-21.08	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	338.89	1 1/2	209.41	1 1/2	79.94	1 1/2	-22.75	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	336.19	3/4	206.72	3/4	77.24	3/4	-24.42	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	333.50	9	204.02	9	74.54	9	-26.09	9	9	9	9	9	9	9	9	9	9	9	9
1 1/4	330.80	1 1/4	201.32	1 1/4	71.85	1 1/4	-27.76	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	328.10	1 1/2	198.63	1 1/2	69.15	1 1/2	-29.43	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	325.41	3/4	195.93	3/4	66.46	3/4	-31.10	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	322.71	10	193.23	10	63.75	10	-32.77	10	10	10	10	10	10	10	10	10	10	10	10
1 1/4	320.00	1 1/4	190.53	1 1/4	61.05	1 1/4	-34.44	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	317.30	1 1/2	187.82	1 1/2	58.35	1 1/2	-36.11	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	314.60	3/4	185.12	3/4	55.65	3/4	-37.78	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	311.90	11	182.43	11	52.95	11	-39.45	11	11	11	11	11	11	11	11	11	11	11	11
1 1/4	309.21	1 1/4	179.73	1 1/4	50.25	1 1/4	-41.12	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	306.51	1 1/2	177.03	1 1/2	47.56	1 1/2	-42.79	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	303.81	3/4	174.34	3/4	44.86	3/4	-44.46	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED: 1006/1970 CM
DECK MEASUREMENTS: 1027/7004 SW
REPRINTED: 1027/7004 SW
CANCELS AND SUPERCEDES
ALL PRIOR TO 102004

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



BARGE EX USL 448 KIRBY 8627B

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE 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.	
M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N
0	0	1,422.48	0	1,285.15	0	1,147.79	0	1,010.46	0	873.10	0	735.74	0	598.41	0	461.05	0	323.69	0
1/4	1/4	1,419.62	1/4	1,282.28	1/4	1,144.93	1/4	1,007.59	1/4	870.24	1/4	732.88	1/4	595.54	1/4	458.18	1/4	320.82	1/4
1/2	1/2	1,416.77	1/2	1,279.42	1/2	1,142.06	1/2	1,004.73	1/2	867.37	1/2	729.99	1/2	592.68	1/2	455.31	1/2	317.95	1/2
3/4	3/4	1,413.91	3/4	1,276.56	3/4	1,139.20	3/4	1,001.87	3/4	864.51	3/4	727.17	3/4	589.82	3/4	452.44	3/4	315.08	3/4
1	1	1,411.05	1	1,273.69	1	1,136.34	1	999.00	1	861.65	1	724.31	1	586.96	1	449.57	1	312.21	1
1 1/4	1 1/4	1,408.19	1 1/4	1,270.83	1 1/4	1,133.48	1 1/4	996.14	1 1/4	858.78	1 1/4	721.45	1 1/4	584.09	1 1/4	446.70	1 1/4	309.34	1 1/4
1 1/2	1 1/2	1,405.32	1 1/2	1,267.97	1 1/2	1,130.62	1 1/2	993.28	1 1/2	855.92	1 1/2	718.59	1 1/2	581.23	1 1/2	443.83	1 1/2	306.47	1 1/2
1 3/4	1 3/4	1,402.46	1 3/4	1,265.10	1 3/4	1,127.77	1 3/4	990.41	1 3/4	853.06	1 3/4	715.72	1 3/4	578.37	1 3/4	440.96	1 3/4	303.60	1 3/4
2	2	1,399.60	2	1,262.24	2	1,124.91	2	987.55	2	850.19	2	712.86	2	575.50	2	438.09	2	300.73	2
2 1/4	2 1/4	1,396.74	2 1/4	1,259.38	2 1/4	1,122.04	2 1/4	984.69	2 1/4	847.34	2 1/4	710.00	2 1/4	572.64	2 1/4	435.22	2 1/4	297.86	2 1/4
2 1/2	2 1/2	1,393.87	2 1/2	1,256.53	2 1/2	1,119.18	2 1/2	981.82	2 1/2	844.48	2 1/2	707.13	2 1/2	569.78	2 1/2	432.35	2 1/2	294.99	2 1/2
2 3/4	2 3/4	1,391.01	2 3/4	1,253.67	2 3/4	1,116.32	2 3/4	978.96	2 3/4	841.62	2 3/4	704.27	2 3/4	566.91	2 3/4	429.48	2 3/4	292.12	2 3/4
3	3	1,388.15	3	1,250.81	3	1,113.46	3	976.10	3	838.77	3	701.41	3	564.05	3	426.61	3	289.25	3
3 1/4	3 1/4	1,385.29	3 1/4	1,247.95	3 1/4	1,110.59	3 1/4	973.24	3 1/4	835.90	3 1/4	698.54	3 1/4	561.19	3 1/4	423.74	3 1/4	286.38	3 1/4
3 1/2	3 1/2	1,382.43	3 1/2	1,245.09	3 1/2	1,107.73	3 1/2	970.38	3 1/2	833.04	3 1/2	695.68	3 1/2	558.34	3 1/2	420.87	3 1/2	283.51	3 1/2
3 3/4	3 3/4	1,379.57	3 3/4	1,242.22	3 3/4	1,104.87	3 3/4	967.53	3 3/4	830.18	3 3/4	692.82	3 3/4	555.48	3 3/4	418.00	3 3/4	280.64	3 3/4
4	4	1,376.72	4	1,239.36	4	1,102.00	4	964.67	4	827.31	4	689.96	4	552.62	4	415.13	4	277.77	4
4 1/4	4 1/4	1,373.85	4 1/4	1,236.50	4 1/4	1,099.15	4 1/4	961.81	4 1/4	824.45	4 1/4	687.10	4 1/4	549.76	4 1/4	412.26	4 1/4	274.90	4 1/4
4 1/2	4 1/2	1,370.99	4 1/2	1,233.63	4 1/2	1,096.29	4 1/2	958.94	4 1/2	821.59	4 1/2	684.24	4 1/2	546.90	4 1/2	409.39	4 1/2	272.03	4 1/2
4 3/4	4 3/4	1,368.13	4 3/4	1,230.77	4 3/4	1,093.43	4 3/4	956.08	4 3/4	818.72	4 3/4	681.38	4 3/4	544.03	4 3/4	406.52	4 3/4	269.16	4 3/4
5	5	1,365.27	5	1,227.91	5	1,090.57	5	953.22	5	815.86	5	678.53	5	541.17	5	403.65	5	266.29	5
5 1/4	5 1/4	1,362.40	5 1/4	1,225.05	5 1/4	1,087.71	5 1/4	950.35	5 1/4	813.00	5 1/4	675.66	5 1/4	538.31	5 1/4	400.78	5 1/4	263.42	5 1/4
5 1/2	5 1/2	1,359.54	5 1/2	1,222.19	5 1/2	1,084.85	5 1/2	947.49	5 1/2	810.15	5 1/2	672.80	5 1/2	535.44	5 1/2	397.91	5 1/2	260.55	5 1/2
5 3/4	5 3/4	1,356.68	5 3/4	1,219.34	5 3/4	1,081.99	5 3/4	944.63	5 3/4	807.29	5 3/4	669.94	5 3/4	532.56	5 3/4	395.04	5 3/4	257.68	5 3/4
6	6	1,353.81	6	1,216.48	6	1,079.12	6	941.77	6	804.43	6	667.07	6	529.69	6	392.17	6	254.81	6
6 1/4	6 1/4	1,350.95	6 1/4	1,213.62	6 1/4	1,076.26	6 1/4	938.90	6 1/4	801.57	6 1/4	664.21	6 1/4	526.86	6 1/4	389.30	6 1/4	251.94	6 1/4
6 1/2	6 1/2	1,348.09	6 1/2	1,210.76	6 1/2	1,073.40	6 1/2	936.04	6 1/2	798.71	6 1/2	661.35	6 1/2	524.00	6 1/2	386.43	6 1/2	249.07	6 1/2
6 3/4	6 3/4	1,345.22	6 3/4	1,207.89	6 3/4	1,070.53	6 3/4	933.18	6 3/4	795.84	6 3/4	658.49	6 3/4	521.15	6 3/4	383.56	6 3/4	246.20	6 3/4
7	7	1,342.36	7	1,205.03	7	1,067.67	7	930.31	7	792.98	7	655.62	7	518.29	7	380.69	7	243.33	7
7 1/4	7 1/4	1,339.50	7 1/4	1,202.16	7 1/4	1,064.81	7 1/4	927.46	7 1/4	790.12	7 1/4	652.76	7 1/4	515.43	7 1/4	377.82	7 1/4	240.46	7 1/4
7 1/2	7 1/2	1,336.65	7 1/2	1,199.30	7 1/2	1,061.94	7 1/2	924.60	7 1/2	787.25	7 1/2	649.90	7 1/2	512.56	7 1/2	374.95	7 1/2	237.59	7 1/2
7 3/4	7 3/4	1,333.79	7 3/4	1,196.44	7 3/4	1,059.08	7 3/4	921.74	7 3/4	784.39	7 3/4	647.03	7 3/4	509.70	7 3/4	372.08	7 3/4	234.72	7 3/4
8	8	1,330.93	8	1,193.57	8	1,056.22	8	918.88	8	781.53	8	644.17	8	506.84	8	369.21	8	231.85	8
8 1/4	8 1/4	1,328.07	8 1/4	1,190.71	8 1/4	1,053.36	8 1/4	916.02	8 1/4	778.66	8 1/4	641.31	8 1/4	503.97	8 1/4	366.34	8 1/4	228.98	8 1/4
8 1/2	8 1/2	1,325.21	8 1/2	1,187.85	8 1/2	1,050.50	8 1/2	913.16	8 1/2	775.80	8 1/2	638.46	8 1/2	501.11	8 1/2	363.47	8 1/2	226.11	8 1/2
8 3/4	8 3/4	1,322.34	8 3/4	1,184.99	8 3/4	1,047.65	8 3/4	910.30	8 3/4	772.94	8 3/4	635.60	8 3/4	498.25	8 3/4	360.60	8 3/4	223.24	8 3/4
9	9	1,319.48	9	1,182.12	9	1,044.79	9	907.43	9	770.07	9	632.74	9	495.38	9	357.73	9	220.37	9
9 1/4	9 1/4	1,316.62	9 1/4	1,179.27	9 1/4	1,041.93	9 1/4	904.57	9 1/4	767.22	9 1/4	629.88	9 1/4	492.52	9 1/4	354.86	9 1/4	217.50	9 1/4
9 1/2	9 1/2	1,313.75	9 1/2	1,176.41	9 1/2	1,039.06	9 1/2	901.71	9 1/2	764.36	9 1/2	627.02	9 1/2	489.66	9 1/2	351.99	9 1/2	214.63	9 1/2
9 3/4	9 3/4	1,310.89	9 3/4	1,173.55	9 3/4	1,036.20	9 3/4	898.84	9 3/4	761.50	9 3/4	624.15	9 3/4	486.80	9 3/4	349.12	9 3/4	211.76	9 3/4
10	10	1,308.03	10	1,170.69	10	1,033.34	10	895.98	10	758.65	10	621.29	10	483.93	10	346.25	10	208.89	10
10 1/4	10 1/4	1,305.17	10 1/4	1,167.83	10 1/4	1,030.48	10 1/4	893.12	10 1/4	755.78	10 1/4	618.43	10 1/4	481.07	10 1/4	343.38	10 1/4	206.02	10 1/4
10 1/2	10 1/2	1,302.31	10 1/2	1,164.97	10 1/2	1,027.61	10 1/2	890.27	10 1/2	752.92	10 1/2	615.56	10 1/2	478.22	10 1/2	340.51	10 1/2	203.15	10 1/2
10 3/4	10 3/4	1,299.46	10 3/4	1,162.10	10 3/4	1,024.75	10 3/4	887.41	10 3/4	750.06	10 3/4	612.70	10 3/4	475.36	10 3/4	337.64	10 3/4	200.28	10 3/4
11	11	1,296.60	11	1,159.24	11	1,021.88	11	884.55	11	747.17	11	609.84	11	472.50	11	334.77	11	197.41	11
11 1/4	11 1/4	1,293.74	11 1/4	1,156.38	11 1/4	1,019.03	11 1/4	881.69	11 1/4	744.33	11 1/4	606.98	11 1/4	469.64	11 1/4	331.90	11 1/4	194.54	11 1/4
11 1/2	11 1/2	1,290.87	11 1/2	1,153.52	11 1/2	1,016.17	11 1/2	878.82	11 1/2	741.47	11 1/2	604.12	11 1/2	466.78	11 1/2	329.03	11 1/2	191.67	11 1/2
11 3/4	11 3/4	1,288.01	11 3/4	1,150.65	11 3/4	1,013.31	11 3/4	875.96	11 3/4	738.60	11 3/4	601.27	11 3/4	463.91	11 3/4	326.16	11 3/4	188.80	11 3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

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 OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT (HERMETIC) LOCATED 11'-03" OFF CENTERLINE AND 19'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77666
<http://www.pmaacorp.net>



BARGE EX USL 448 KIRBY 8627B

2 PORT ULLAGE TABLE

GAUGE HEIGHT 13'-03"

CAPACITIES GIVEN IN WHOLE 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.
0	461.05	0	323.69	0	186.36	0	49.00	0	0	0
1/4	458.19	1/4	320.84	1/4	183.50	1/4	46.14	1/4	1/4	1/4
1/2	455.32	1/2	317.98	1/2	180.63	1/2	43.28	1/2	1/2	1/2
3/4	452.46	3/4	315.12	3/4	177.77	3/4	40.41	3/4	3/4	3/4
1	449.60	1	312.27	1	174.91	1	37.55	1	1	1
1 1/4	446.74	1 1/4	309.40	1 1/4	172.04	1 1/4	34.77	1 1/4	1 1/4	1 1/4
1 1/2	443.87	1 1/2	306.54	1 1/2	169.18	1 1/2	31.98	1 1/2	1 1/2	1 1/2
3/4	441.01	3/4	303.68	3/4	166.32	3/4	29.19	3/4	3/4	3/4
2	438.15	2	300.81	2	163.46	2	26.41	2	2	2
1 1/4	435.29	1 1/4	297.95	1 1/4	160.59	1 1/4	23.57	1 1/4	1 1/4	1 1/4
1 1/2	432.43	1 1/2	295.09	1 1/2	157.73	1 1/2	21.54	1 1/2	1 1/2	1 1/2
3/4	429.57	3/4	292.22	3/4	154.87	3/4	19.10	3/4	3/4	3/4
3	426.72	3	289.36	3	152.00	3	16.67	3	3	3
1 1/4	423.85	1 1/4	286.50	1 1/4	149.15	1 1/4	14.14	1 1/4	1 1/4	1 1/4
1 1/2	420.99	1 1/2	283.63	1 1/2	146.29	1 1/2	12.12	1 1/2	1 1/2	1 1/2
3/4	418.13	3/4	280.77	3/4	143.43	3/4	10.10	3/4	3/4	3/4
4	415.27	4	277.91	4	140.57	4	8.07	4	4	4
1 1/4	412.40	1 1/4	275.05	1 1/4	137.71	1 1/4	6.05	1 1/4	1 1/4	1 1/4
1 1/2	409.54	1 1/2	272.19	1 1/2	134.85	1 1/2	4.03	1 1/2	1 1/2	1 1/2
3/4	406.68	3/4	269.34	3/4	131.99	3/4	2.01	3/4	3/4	3/4
5	403.81	5	266.48	5	129.12	5	0.00	5	5	5
1 1/4	400.96	1 1/4	263.62	1 1/4	126.26	1 1/4	126.26	1 1/4	1 1/4	1 1/4
1 1/2	398.10	1 1/2	260.75	1 1/2	123.40	1 1/2	123.40	1 1/2	1 1/2	1 1/2
3/4	395.24	3/4	257.89	3/4	120.53	3/4	120.53	3/4	3/4	3/4
6	392.38	6	255.03	6	117.67	6	117.67	6	6	6
1 1/4	389.52	1 1/4	252.18	1 1/4	114.81	1 1/4	114.81	1 1/4	1 1/4	1 1/4
1 1/2	386.66	1 1/2	249.30	1 1/2	111.96	1 1/2	111.96	1 1/2	1 1/2	1 1/2
3/4	383.80	3/4	246.44	3/4	109.10	3/4	109.10	3/4	3/4	3/4
7	380.93	7	243.57	7	106.24	7	106.24	7	7	7
1 1/4	378.07	1 1/4	240.72	1 1/4	103.38	1 1/4	103.38	1 1/4	1 1/4	1 1/4
1 1/2	375.21	1 1/2	237.86	1 1/2	100.52	1 1/2	100.52	1 1/2	1 1/2	1 1/2
3/4	372.34	3/4	235.00	3/4	97.66	3/4	97.66	3/4	3/4	3/4
8	369.48	8	232.15	8	94.79	8	94.79	8	8	8
1 1/4	366.62	1 1/4	229.28	1 1/4	91.93	1 1/4	91.93	1 1/4	1 1/4	1 1/4
1 1/2	363.75	1 1/2	226.42	1 1/2	89.06	1 1/2	89.06	1 1/2	1 1/2	1 1/2
3/4	360.89	3/4	223.56	3/4	86.20	3/4	86.20	3/4	3/4	3/4
9	358.03	9	220.69	9	83.34	9	83.34	9	9	9
1 1/4	355.17	1 1/4	217.83	1 1/4	80.47	1 1/4	80.47	1 1/4	1 1/4	1 1/4
1 1/2	352.31	1 1/2	214.97	1 1/2	77.61	1 1/2	77.61	1 1/2	1 1/2	1 1/2
3/4	349.46	3/4	212.10	3/4	74.75	3/4	74.75	3/4	3/4	3/4
10	346.60	10	209.24	10	71.88	10	71.88	10	10	10
1 1/4	343.74	1 1/4	206.38	1 1/4	69.03	1 1/4	69.03	1 1/4	1 1/4	1 1/4
1 1/2	340.87	1 1/2	203.52	1 1/2	66.17	1 1/2	66.17	1 1/2	1 1/2	1 1/2
3/4	338.01	3/4	200.65	3/4	63.31	3/4	63.31	3/4	3/4	3/4
11	335.15	11	197.79	11	60.46	11	60.46	11	11	11
1 1/4	332.28	1 1/4	194.93	1 1/4	57.59	1 1/4	57.59	1 1/4	1 1/4	1 1/4
1 1/2	329.42	1 1/2	192.07	1 1/2	54.73	1 1/2	54.73	1 1/2	1 1/2	1 1/2
3/4	326.56	3/4	189.22	3/4	51.87	3/4	51.87	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED: 1005/1370 CM
DECK MEASUREMENTS: 1027/2004 SW
REPRINTED: 1027/2004 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2004

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77660
http://www.pmacorp.net



BARGE EX USL 448 KIRBY 8627B

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE 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.	
M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N
0	461.05	0	321.69	0	186.36	0	49.00	0	0	0	0	0	0	0	0	0	0	0	0
1/4	458.19	1/4	320.84	1/4	183.50	1/4	46.14	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	455.32	1/2	317.98	1/2	180.63	1/2	43.28	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	452.46	3/4	315.12	3/4	177.77	3/4	40.41	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	449.60	1	312.27	1	174.91	1	37.55	1	1	1	1	1	1	1	1	1	1	1	1
1/4	446.74	1/4	309.40	1/4	172.04	1/4	34.77	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	443.87	1/2	306.54	1/2	169.18	1/2	31.98	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	441.01	3/4	303.68	3/4	166.32	3/4	29.19	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	438.15	1	300.81	1	163.46	1	26.41	1	1	1	1	1	1	1	1	1	1	1	1
1/4	435.29	1/4	297.95	1/4	160.59	1/4	23.97	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	432.43	1/2	295.09	1/2	157.73	1/2	21.54	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	429.57	3/4	292.22	3/4	154.87	3/4	19.10	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	426.72	1	289.36	1	152.00	1	16.67	1	1	1	1	1	1	1	1	1	1	1	1
1/4	423.85	1/4	286.50	1/4	149.15	1/4	14.24	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	420.99	1/2	283.63	1/2	146.29	1/2	13.85	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	418.13	3/4	280.77	3/4	143.43	3/4	13.46	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	415.27	1	277.91	1	140.57	1	13.07	1	1	1	1	1	1	1	1	1	1	1	1
1/4	412.40	1/4	275.05	1/4	137.71	1/4	12.68	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	409.54	1/2	272.19	1/2	134.85	1/2	12.29	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	406.68	3/4	269.34	3/4	131.99	3/4	11.90	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	403.81	1	266.48	1	129.12	1	11.51	1	1	1	1	1	1	1	1	1	1	1	1
1/4	400.95	1/4	263.62	1/4	126.26	1/4	11.12	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	398.10	1/2	260.75	1/2	123.40	1/2	10.73	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	395.24	3/4	257.89	3/4	120.53	3/4	10.34	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	392.38	1	255.03	1	117.67	1	9.95	1	1	1	1	1	1	1	1	1	1	1	1
1/4	389.52	1/4	252.16	1/4	114.81	1/4	9.56	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	386.66	1/2	249.30	1/2	111.96	1/2	9.17	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	383.80	3/4	246.44	3/4	109.10	3/4	8.78	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	380.93	1	243.57	1	106.24	1	8.39	1	1	1	1	1	1	1	1	1	1	1	1
1/4	378.07	1/4	240.72	1/4	103.38	1/4	8.00	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	375.21	1/2	237.86	1/2	100.52	1/2	7.61	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	372.34	3/4	235.00	3/4	97.66	3/4	7.22	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	369.48	1	232.15	1	94.79	1	6.83	1	1	1	1	1	1	1	1	1	1	1	1
1/4	366.62	1/4	229.28	1/4	91.93	1/4	6.44	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	363.75	1/2	226.42	1/2	89.06	1/2	6.05	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	360.89	3/4	223.56	3/4	86.20	3/4	5.66	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	358.03	1	220.69	1	83.34	1	5.27	1	1	1	1	1	1	1	1	1	1	1	1
1/4	355.17	1/4	217.83	1/4	80.47	1/4	4.88	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	352.31	1/2	214.97	1/2	77.61	1/2	4.49	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	349.46	3/4	212.10	3/4	74.75	3/4	4.10	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	346.60	1	209.24	1	71.88	1	3.71	1	1	1	1	1	1	1	1	1	1	1	1
1/4	343.74	1/4	206.38	1/4	69.03	1/4	3.32	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	340.87	1/2	203.52	1/2	66.17	1/2	2.93	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	338.01	3/4	200.66	3/4	63.31	3/4	2.54	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	335.15	1	197.79	1	60.46	1	2.15	1	1	1	1	1	1	1	1	1	1	1	1
1/4	332.28	1/4	194.93	1/4	57.59	1/4	1.76	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	329.42	1/2	192.07	1/2	54.73	1/2	1.37	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	326.55	3/4	189.22	3/4	51.87	3/4	0.98	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED: 100661970 CM
DECK MEASUREMENTS: 10/27/2004 SW
REPRINTED: 10/27/2004 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2004

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



BARGE EX USL 448 KIRBY 8627B

3 PORT ULLAGE TABLE

GAUGE HEIGHT 13'-03 1/4"

CAPACITIES GIVEN IN WHOLE 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.		
M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	
0	0	0	0	1,338.46	0	1,209.22	0	1,080.00	0	950.76	0	821.52	0	692.29	0	563.05						
1/4	1/4	1/4	1/4	1,335.76	1/4	1,206.52	1/4	1,077.31	1/4	948.07	1/4	818.83	1/4	689.59	1/4	560.36						
1/2	1/2	1/2	1/2	1,333.07	1/2	1,203.83	1/2	1,074.61	1/2	945.38	1/2	815.14	1/2	686.90	1/2	557.67						
3/4	3/4	3/4	3/4	1,330.38	3/4	1,201.14	3/4	1,071.92	3/4	942.69	3/4	810.45	3/4	684.21	3/4	554.97						
1	1	1	1	1,327.69	1	1,198.45	1	1,069.22	1	940.00	1	808.07	1	678.83	1	549.59						
1/4	1/4	1/4	1/4	1,325.00	1/4	1,195.76	1/4	1,066.52	1/4	937.31	1/4	805.37	1/4	676.14	1/4	546.90						
1/2	1/2	1/2	1/2	1,322.31	1/2	1,193.07	1/2	1,063.83	1/2	934.61	1/2	803.14	1/2	673.45	1/2	544.21						
3/4	3/4	3/4	3/4	1,319.62	3/4	1,190.38	3/4	1,061.14	3/4	931.92	3/4	800.98	3/4	670.76	3/4	541.52						
1	1	1	1	1,316.93	1	1,187.69	1	1,058.45	1	929.22	1	797.28	1	668.07	1	538.83						
1/4	1/4	1/4	1/4	1,314.24	1/4	1,185.00	1/4	1,055.76	1/4	926.52	1/4	794.59	1/4	665.37	1/4	536.14						
1/2	1/2	1/2	1/2	1,311.54	1/2	1,182.30	1/2	1,053.07	1/2	923.83	1/2	791.90	1/2	662.68	1/2	533.44						
3/4	3/4	3/4	3/4	1,308.84	3/4	1,179.61	3/4	1,050.38	3/4	921.14	3/4	789.21	3/4	659.98	3/4	530.74						
1	1	1	1	1,306.15	1	1,176.91	1	1,047.69	1	918.45	1	786.52	1	657.28	1	528.05						
1/4	1/4	1/4	1/4	1,303.45	1/4	1,174.21	1/4	1,045.00	1/4	915.76	1/4	783.83	1/4	654.59	1/4	525.36						
1/2	1/2	1/2	1/2	1,300.76	1/2	1,171.52	1/2	1,042.30	1/2	913.07	1/2	781.14	1/2	651.90	1/2	522.67						
3/4	3/4	3/4	3/4	1,298.07	3/4	1,168.83	3/4	1,039.61	3/4	910.38	3/4	778.45	3/4	649.21	3/4	519.97						
1	1	1	1	1,295.38	1	1,166.14	1	1,036.91	1	907.69	1	775.76	1	646.52	1	517.28						
1/4	1/4	1/4	1/4	1,292.69	1/4	1,163.45	1/4	1,034.21	1/4	905.00	1/4	773.06	1/4	643.83	1/4	514.59						
1/2	1/2	1/2	1/2	1,290.00	1/2	1,160.76	1/2	1,031.52	1/2	902.30	1/2	770.37	1/2	641.14	1/2	511.90						
3/4	3/4	3/4	3/4	1,287.31	3/4	1,158.07	3/4	1,028.83	3/4	899.61	3/4	767.67	3/4	638.45	3/4	509.21						
1	1	1	1	1,284.62	1	1,155.38	1	1,026.14	1	896.91	1	764.97	1	635.76	1	506.52						
1/4	1/4	1/4	1/4	1,281.93	1/4	1,152.69	1/4	1,023.45	1/4	894.21	1/4	762.28	1/4	633.06	1/4	503.83						
1/2	1/2	1/2	1/2	1,279.24	1/2	1,150.00	1/2	1,020.76	1/2	891.52	1/2	759.59	1/2	630.37	1/2	501.14						
3/4	3/4	3/4	3/4	1,276.53	3/4	1,147.31	3/4	1,018.07	3/4	888.83	3/4	756.90	3/4	627.67	3/4	498.45						
1	1	1	1	1,273.84	1	1,144.62	1	1,015.38	1	886.14	1	754.21	1	624.97	1	495.76						
1/4	1/4	1/4	1/4	1,271.14	1/4	1,141.93	1/4	1,012.69	1/4	883.45	1/4	751.52	1/4	622.28	1/4	493.06						
1/2	1/2	1/2	1/2	1,268.45	1/2	1,139.23	1/2	1,009.99	1/2	880.76	1/2	748.83	1/2	619.59	1/2	490.37						
3/4	3/4	3/4	3/4	1,265.76	3/4	1,136.53	3/4	1,007.30	3/4	878.07	3/4	746.14	3/4	616.90	3/4	487.67						
1	1	1	1	1,263.07	1	1,133.84	1	1,004.60	1	875.38	1	743.45	1	614.21	1	484.97						
1/4	1/4	1/4	1/4	1,260.38	1/4	1,131.14	1/4	1,001.90	1/4	872.69	1/4	740.75	1/4	611.52	1/4	482.28						
1/2	1/2	1/2	1/2	1,257.69	1/2	1,128.45	1/2	999.21	1/2	869.99	1/2	738.06	1/2	608.83	1/2	479.59						
3/4	3/4	3/4	3/4	1,255.00	3/4	1,125.76	3/4	996.52	3/4	867.30	3/4	735.36	3/4	606.14	3/4	476.90						
1	1	1	1	1,252.31	1	1,123.07	1	993.83	1	864.60	1	732.67	1	603.45	1	474.21						
1/4	1/4	1/4	1/4	1,249.62	1/4	1,120.38	1/4	991.14	1/4	861.90	1/4	729.98	1/4	600.75	1/4	471.52						
1/2	1/2	1/2	1/2	1,246.92	1/2	1,117.69	1/2	988.45	1/2	859.21	1/2	727.28	1/2	598.06	1/2	468.83						
3/4	3/4	3/4	3/4	1,244.22	3/4	1,115.00	3/4	985.76	3/4	856.52	3/4	724.59	3/4	595.36	3/4	466.14						
1	1	1	1	1,241.53	1	1,112.31	1	983.07	1	853.83	1	721.90	1	592.67	1	463.45						
1/4	1/4	1/4	1/4	1,238.83	1/4	1,109.62	1/4	980.38	1/4	851.14	1/4	719.21	1/4	589.97	1/4	460.75						
1/2	1/2	1/2	1/2	1,236.14	1/2	1,106.92	1/2	977.68	1/2	848.45	1/2	716.52	1/2	587.28	1/2	458.06						
3/4	3/4	3/4	3/4	1,233.45	3/4	1,104.22	3/4	974.99	3/4	845.76	3/4	713.83	3/4	584.59	3/4	455.36						
1	1	1	1	1,230.76	1	1,101.53	1	972.29	1	843.07	1	711.14	1	581.90	1	452.67						
1/4	1/4	1/4	1/4	1,228.07	1/4	1,098.83	1/4	969.59	1/4	840.38	1/4	708.45	1/4	579.21	1/4	449.97						
1/2	1/2	1/2	1/2	1,225.38	1/2	1,096.14	1/2	966.90	1/2	838.99	1/2	705.75	1/2	576.52	1/2	447.28						
3/4	3/4	3/4	3/4	1,222.69	3/4	1,093.45	3/4	964.21	3/4	836.30	3/4	703.07	3/4	573.83	3/4	444.59						
1	1	1	1	1,220.00	1	1,090.76	1	961.52	1	833.60	1	700.38	1	571.14	1	441.90						
1/4	1/4	1/4	1/4	1,217.31	1/4	1,088.07	1/4	958.83	1/4	831.14	1/4	697.68	1/4	568.44	1/4	439.21						
1/2	1/2	1/2	1/2	1,214.61	1/2	1,085.38	1/2	956.14	1/2	828.45	1/2	694.99	1/2	565.75	1/2	436.52						
3/4	3/4	3/4	3/4	1,211.92	3/4	1,082.69	3/4	953.45	3/4	825.76	3/4	692.28	3/4	563.06	3/4	433.83						

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

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 OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT (HERMETIC) LOCATED 11'-03" OFF CENTERLINE AND 19'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P. O. Box 2092
 Pearland, Texas 77668
<http://www.pmacorp.net>



BARGE EX USL 448 KIRBY 8627B

3 PORT ULLAGE TABLE

GAUGE HEIGHT 13'-03 1/4"

CAPACITIES GIVEN IN WHOLE 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.
0	433.83	0	175.36	0	46.12	0	0	0	0	0
1/4	431.14	1/4	172.67	1/4	43.43	1/4	1/4	1/4	1/4	1/4
1/2	428.44	1/2	169.97	1/2	40.74	1/2	1/2	1/2	1/2	1/2
3/4	425.75	3/4	167.28	3/4	38.05	3/4	3/4	3/4	3/4	3/4
1	423.05	1	164.59	1	35.36	1	1	1	1	1
1 1/4	420.36	1 1/4	161.90	1 1/4	32.67	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	417.67	1 1/2	159.21	1 1/2	30.11	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	414.97	3/4	156.51	3/4	27.55	3/4	3/4	3/4	3/4	3/4
2	412.28	2	153.81	2	24.99	2	2	2	2	2
1 3/4	409.59	1 3/4	151.12	1 3/4	22.43	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
1 1/2	406.90	1 1/2	148.43	1 1/2	20.27	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	404.21	3/4	145.74	3/4	18.12	3/4	3/4	3/4	3/4	3/4
3	401.52	3	143.05	3	15.96	3	3	3	3	3
1 1/4	398.83	1 1/4	140.36	1 1/4	13.81	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	396.14	1 1/2	137.67	1 1/2	11.66	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	393.44	3/4	134.97	3/4	9.51	3/4	3/4	3/4	3/4	3/4
4	390.74	4	132.28	4	7.36	4	4	4	4	4
1 3/4	388.05	1 3/4	129.59	1 3/4	5.21	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
1 1/2	385.36	1 1/2	126.90	1 1/2	3.06	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	382.67	3/4	124.20	3/4	0.91	3/4	3/4	3/4	3/4	3/4
5	379.97	5	121.50	5	-1.24	5	5	5	5	5
1 1/4	377.28	1 1/4	118.81	1 1/4	-3.39	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	374.59	1 1/2	116.12	1 1/2	-5.54	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	371.90	3/4	113.43	3/4	-7.69	3/4	3/4	3/4	3/4	3/4
6	369.21	6	110.74	6	-9.84	6	6	6	6	6
1 3/4	366.52	1 3/4	108.05	1 3/4	-11.99	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
1 1/2	363.83	1 1/2	105.36	1 1/2	-14.14	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	361.13	3/4	102.67	3/4	-16.29	3/4	3/4	3/4	3/4	3/4
7	358.43	7	99.97	7	-18.44	7	7	7	7	7
1 1/4	355.74	1 1/4	97.28	1 1/4	-20.59	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	353.05	1 1/2	94.59	1 1/2	-22.74	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	350.36	3/4	91.89	3/4	-24.89	3/4	3/4	3/4	3/4	3/4
8	347.67	8	89.20	8	-27.04	8	8	8	8	8
1 3/4	344.97	1 3/4	86.50	1 3/4	-29.19	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
1 1/2	342.28	1 1/2	83.81	1 1/2	-31.34	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	339.59	3/4	81.12	3/4	-33.49	3/4	3/4	3/4	3/4	3/4
9	336.90	9	78.43	9	-35.64	9	9	9	9	9
1 1/4	334.21	1 1/4	75.74	1 1/4	-37.79	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	331.52	1 1/2	73.05	1 1/2	-39.94	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	328.82	3/4	70.36	3/4	-42.09	3/4	3/4	3/4	3/4	3/4
10	326.12	10	67.67	10	-44.24	10	10	10	10	10
1 1/4	323.43	1 1/4	64.97	1 1/4	-46.39	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	320.74	1 1/2	62.28	1 1/2	-48.54	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	318.05	3/4	59.59	3/4	-50.69	3/4	3/4	3/4	3/4	3/4
11	315.36	11	56.90	11	-52.84	11	11	11	11	11
1 1/4	312.67	1 1/4	54.21	1 1/4	-54.99	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	309.97	1 1/2	51.52	1 1/2	-57.14	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	307.28	3/4	48.82	3/4	-59.29	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED 1006/1970 CM
DECK MEASUREMENTS: 10/27/2004 SW
REPRINTED: 10/27/2004 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2004

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77668
http://www.pimacorp.net



BARGE EX USL 448 KIRBY 8627B

3 STBD ULLAGE TABLE

Gauge Height 13'-03 1/4"

CAPACITIES GIVEN IN WHOLE 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.		
M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	
0	0	0	0	1,338.46	0	1,209.22	0	1,080.00	0	950.76	0	821.52	0	692.29	0	563.05						
1/4	1/4	1,335.76	1/4	1,206.52	1/4	1,077.31	1/4	948.07	1/4	818.83	1/4	689.59	1/4	560.36								
1/2	1/2	1,333.07	1/2	1,203.83	1/2	1,074.61	1/2	945.38	1/2	816.14	1/2	686.90	1/2	557.67								
3/4	3/4	1,403.07	3/4	1,201.14	3/4	1,071.92	3/4	942.69	3/4	813.45	3/4	684.21	3/4	554.97								
1	1	1,403.01	1	1,198.45	1	1,069.22	1	940.00	1	810.76	1	681.52	1	552.28								
1/4	1/4	1,402.95	1/4	1,195.76	1/4	1,066.52	1/4	937.31	1/4	808.07	1/4	678.83	1/4	549.59								
1/2	1/2	1,402.89	1/2	1,193.07	1/2	1,063.83	1/2	934.61	1/2	805.37	1/2	676.14	1/2	546.90								
3/4	3/4	1,402.44	3/4	1,190.38	3/4	1,061.14	3/4	931.92	3/4	802.68	3/4	673.45	3/4	544.21								
2	2	1,402.18	2	1,187.69	2	1,058.45	2	929.22	2	799.98	2	670.76	2	541.52								
1/4	1/4	1,401.93	1/4	1,185.00	1/4	1,055.76	1/4	926.52	1/4	797.28	1/4	668.07	1/4	538.83								
1/2	1/2	1,401.42	1/2	1,182.30	1/2	1,053.07	1/2	923.83	1/2	794.59	1/2	665.37	1/2	536.14								
3/4	3/4	1,400.90	3/4	1,179.61	3/4	1,050.38	3/4	921.14	3/4	791.90	3/4	662.68	3/4	533.44								
3	3	1,400.39	3	1,176.91	3	1,047.69	3	918.45	3	789.21	3	659.98	3	530.74								
1/4	1/4	1,399.88	1/4	1,174.21	1/4	1,045.00	1/4	915.76	1/4	786.52	1/4	657.28	1/4	528.05								
1/2	1/2	1,399.11	1/2	1,171.52	1/2	1,042.30	1/2	913.07	1/2	783.83	1/2	654.59	1/2	525.36								
3/4	3/4	1,398.33	3/4	1,168.83	3/4	1,039.61	3/4	910.38	3/4	781.14	3/4	651.90	3/4	522.67								
4	4	1,397.56	4	1,166.14	4	1,036.91	4	907.69	4	778.45	4	649.21	4	519.97								
1/4	1/4	1,396.78	1/4	1,163.45	1/4	1,034.21	1/4	905.00	1/4	775.76	1/4	646.52	1/4	517.28								
1/2	1/2	1,395.76	1/2	1,160.76	1/2	1,031.52	1/2	902.30	1/2	773.06	1/2	643.83	1/2	514.59								
3/4	3/4	1,394.74	3/4	1,158.07	3/4	1,028.83	3/4	899.61	3/4	770.37	3/4	641.14	3/4	511.90								
5	5	1,393.71	5	1,155.38	5	1,026.14	5	896.91	5	767.67	5	638.45	5	509.21								
1/4	1/4	1,392.69	1/4	1,152.69	1/4	1,023.45	1/4	894.21	1/4	764.97	1/4	635.76	1/4	506.52								
1/2	1/2	1,391.41	1/2	1,150.00	1/2	1,020.76	1/2	891.52	1/2	762.28	1/2	633.06	1/2	503.83								
3/4	3/4	1,390.13	3/4	1,147.31	3/4	1,018.07	3/4	888.83	3/4	759.59	3/4	630.37	3/4	501.14								
6	6	1,388.85	6	1,144.62	6	1,015.38	6	886.14	6	756.90	6	627.67	6	498.45								
1/4	1/4	1,387.57	1/4	1,141.93	1/4	1,012.69	1/4	883.45	1/4	754.21	1/4	624.97	1/4	495.76								
1/2	1/2	1,386.03	1/2	1,139.23	1/2	1,009.99	1/2	880.76	1/2	751.52	1/2	622.28	1/2	493.06								
3/4	3/4	1,384.49	3/4	1,136.53	3/4	1,007.30	3/4	878.07	3/4	748.83	3/4	619.59	3/4	490.37								
7	7	1,382.94	7	1,133.84	7	1,004.60	7	875.38	7	746.14	7	616.90	7	487.67								
1/4	1/4	1,381.40	1/4	1,131.14	1/4	1,001.90	1/4	872.69	1/4	743.45	1/4	614.21	1/4	484.97								
1/2	1/2	1,379.61	1/2	1,128.45	1/2	999.21	1/2	869.99	1/2	740.75	1/2	611.52	1/2	482.28								
3/4	3/4	1,377.82	3/4	1,125.76	3/4	996.52	3/4	867.30	3/4	738.06	3/4	608.83	3/4	479.59								
8	8	1,376.03	8	1,123.07	8	993.83	8	864.60	8	735.36	8	606.14	8	476.90								
1/4	1/4	1,374.24	1/4	1,120.38	1/4	991.14	1/4	861.90	1/4	732.67	1/4	603.45	1/4	474.21								
1/2	1/2	1,372.16	1/2	1,117.69	1/2	988.45	1/2	859.21	1/2	729.98	1/2	600.75	1/2	471.52								
3/4	3/4	1,370.13	3/4	1,115.00	3/4	985.76	3/4	856.52	3/4	727.28	3/4	598.06	3/4	468.83								
9	9	1,368.08	9	1,112.31	9	983.07	9	853.83	9	724.59	9	595.36	9	466.14								
1/4	1/4	1,366.02	1/4	1,109.62	1/4	980.38	1/4	851.14	1/4	721.90	1/4	592.67	1/4	463.45								
1/2	1/2	1,363.71	1/2	1,106.92	1/2	977.68	1/2	848.45	1/2	719.21	1/2	589.97	1/2	460.75								
3/4	3/4	1,361.40	3/4	1,104.22	3/4	974.99	3/4	845.76	3/4	716.52	3/4	587.28	3/4	458.06								
10	10	1,359.09	10	1,101.53	10	972.29	10	843.07	10	713.83	10	584.59	10	455.36								
1/4	1/4	1,356.78	1/4	1,098.83	1/4	969.59	1/4	840.38	1/4	711.14	1/4	581.90	1/4	452.67								
1/2	1/2	1,354.22	1/2	1,096.14	1/2	966.90	1/2	837.68	1/2	708.45	1/2	579.21	1/2	449.97								
3/4	3/4	1,351.67	3/4	1,093.45	3/4	964.21	3/4	834.99	3/4	705.76	3/4	576.52	3/4	447.28								
11	11	1,349.11	11	1,090.76	11	961.52	11	832.29	11	703.07	11	573.83	11	444.59								
1/4	1/4	1,346.55	1/4	1,088.07	1/4	958.83	1/4	829.59	1/4	700.38	1/4	571.14	1/4	441.90								
1/2	1/2	1,343.85	1/2	1,085.38	1/2	956.14	1/2	826.90	1/2	697.68	1/2	568.44	1/2	439.21								
3/4	3/4	1,341.15	3/4	1,082.69	3/4	953.45	3/4	824.21	3/4	694.99	3/4	565.75	3/4	436.52								

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

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 OBSERVED WITH "THERMATIC" CLOSED GAUGING DEVICE.
 GAUGE POINT (THERMATIC) LOCATED 11'-37" OFF CENTERLINE AND 19'-00" FORWARD OF AFT BULKHEAD.

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



BARGE EX USL 448 KIRBY 8627B

3 STBD ULLAGE TABLE

GAUGE HEIGHT 13'-03 1/4"

CAPACITIES GIVEN IN WHOLE 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.
0	433.83	0	175.36	0	46.12	0	0	0	0	0
1/4	431.14	1/4	172.67	1/4	43.43	1/4	1/4	1/4	1/4	1/4
1/2	428.44	1/2	169.97	1/2	40.74	1/2	1/2	1/2	1/2	1/2
3/4	425.75	3/4	167.28	3/4	38.05	3/4	3/4	3/4	3/4	3/4
1	423.05	1	164.59	1	35.36	1	1	1	1	1
1 1/4	420.36	1 1/4	161.90	1 1/4	32.67	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	417.67	1 1/2	159.21	1 1/2	30.11	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	414.97	3/4	156.51	3/4	27.55	3/4	3/4	3/4	3/4	3/4
2	412.28	2	153.81	2	24.99	2	2	2	2	2
1 1/4	409.59	1 1/4	151.12	1 1/4	22.43	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	406.90	1 1/2	148.43	1 1/2	20.27	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	404.21	3/4	145.74	3/4	18.12	3/4	3/4	3/4	3/4	3/4
3	401.52	3	143.05	3	15.96	3	3	3	3	3
1 1/4	398.83	1 1/4	140.36	1 1/4	13.81	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	396.14	1 1/2	137.67	1 1/2	11.66	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	393.44	3/4	134.97	3/4	9.51	3/4	3/4	3/4	3/4	3/4
4	390.74	4	132.28	4	7.36	4	4	4	4	4
1 1/4	388.05	1 1/4	129.59	1 1/4	5.21	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	385.36	1 1/2	126.90	1 1/2	3.06	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	382.67	3/4	124.20	3/4	0.91	3/4	3/4	3/4	3/4	3/4
5	379.97	5	121.50	5	-1.24	5	5	5	5	5
1 1/4	377.28	1 1/4	118.81	1 1/4	-3.39	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	374.59	1 1/2	116.12	1 1/2	-5.54	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	371.90	3/4	113.43	3/4	-7.69	3/4	3/4	3/4	3/4	3/4
6	369.21	6	110.74	6	-9.84	6	6	6	6	6
1 1/4	366.52	1 1/4	108.05	1 1/4	-11.99	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	363.83	1 1/2	105.36	1 1/2	-14.14	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	361.13	3/4	102.67	3/4	-16.29	3/4	3/4	3/4	3/4	3/4
7	358.43	7	99.97	7	-18.44	7	7	7	7	7
1 1/4	355.74	1 1/4	97.28	1 1/4	-20.59	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	353.05	1 1/2	94.59	1 1/2	-22.74	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	350.36	3/4	91.89	3/4	-24.89	3/4	3/4	3/4	3/4	3/4
8	347.67	8	89.20	8	-27.04	8	8	8	8	8
1 1/4	344.97	1 1/4	86.50	1 1/4	-29.19	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	342.28	1 1/2	83.81	1 1/2	-31.34	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	339.59	3/4	81.12	3/4	-33.49	3/4	3/4	3/4	3/4	3/4
9	336.90	9	78.43	9	-35.64	9	9	9	9	9
1 1/4	334.21	1 1/4	76.74	1 1/4	-37.79	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	331.52	1 1/2	75.05	1 1/2	-39.94	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	328.82	3/4	73.36	3/4	-42.09	3/4	3/4	3/4	3/4	3/4
10	326.12	10	71.67	10	-44.24	10	10	10	10	10
1 1/4	323.43	1 1/4	69.97	1 1/4	-46.39	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	320.74	1 1/2	68.28	1 1/2	-48.54	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	318.05	3/4	66.59	3/4	-50.69	3/4	3/4	3/4	3/4	3/4
11	315.36	11	64.90	11	-52.84	11	11	11	11	11
1 1/4	312.67	1 1/4	63.21	1 1/4	-54.99	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	309.97	1 1/2	61.52	1 1/2	-57.14	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	307.28	3/4	59.82	3/4	-59.29	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED: 1005/1970 CM
DECK MEASUREMENTS: 10/27/2004 SW
REPRINTED: 10/27/2004 SW

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ALL PRIOR TO 10/2004

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