



BARGE "KIRBY 13021B"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-3/8	- 00-3/8	00-7/8	- 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
1 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
2 PORT	00-1/2	- 00-1/2	01-0/8	- 01-0/8	01-1/2	- 01-1/2	02-0/8	- 02-0/8	02-1/2	- 02-1/2	03-0/8	- 03-0/8
2 STBD	00-1/2	- 00-1/2	01-0/8	- 01-0/8	01-1/2	- 01-1/2	02-0/8	- 02-0/8	02-1/2	- 02-1/2	03-0/8	- 03-0/8

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

LENGTH BETWEEN DRAFT MARKS: 135'-00"

April 21, 2009

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

<http://www.pmacorp.net>



BARGE "KIRBY 13021B"

1 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

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'-08" OFF CENTERLINE AND 37'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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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	1,782.28	0	1,510.35	0	1,238.42	0	966.49	0	696.24	0	424.57	0	152.69	0		0			
1/4	1,776.61	1/4	1,504.69	1/4	1,232.76	1/4	960.83	1/4	690.62	1/4	418.90	1/4	147.04	1/4		1/4			
1/2	1,770.95	1/2	1,499.02	1/2	1,227.09	1/2	955.16	1/2	684.97	1/2	413.04	1/2	141.39	1/2		1/2			
3/4	1,765.28	3/4	1,493.35	3/4	1,221.43	3/4	949.50	3/4	679.37	3/4	407.57	3/4	135.74	3/4		3/4			
1	1,759.62	1	1,487.69	1	1,215.76	1	943.83	1	673.73	1	401.91	1	130.10	1		1			
1/4	1,753.95	1/4	1,482.02	1/4	1,210.09	1/4	938.17	1/4	668.10	1/4	396.24	1/4	124.46	1/4		1/4			
1/2	1,748.29	1/2	1,476.36	1/2	1,204.43	1/2	932.50	1/2	662.46	1/2	390.58	1/2	118.82	1/2		1/2			
3/4	1,742.62	3/4	1,470.69	3/4	1,198.76	3/4	926.83	3/4	656.83	3/4	384.91	3/4	113.18	3/4		3/4			
2	1,736.96	2	1,465.03	2	1,193.10	2	921.19	2	651.17	2	379.25	2	107.56	2		2			
1/4	1,731.29	1/4	1,459.36	1/4	1,187.43	1/4	915.55	1/4	645.50	1/4	373.58	1/4	101.94	1/4		1/4			
1/2	1,725.63	1/2	1,453.70	1/2	1,181.77	1/2	909.91	1/2	639.84	1/2	367.92	1/2	96.31	1/2		1/2			
3/4	1,719.96	3/4	1,448.03	3/4	1,176.10	3/4	904.27	3/4	634.17	3/4	362.25	3/4	90.69	3/4		3/4			
3	1,714.30	3	1,442.37	3	1,170.44	3	898.63	3	628.51	3	356.59	3	85.09	3		3			
1/4	1,708.63	1/4	1,436.70	1/4	1,164.77	1/4	893.00	1/4	622.84	1/4	350.92	1/4	79.49	1/4		1/4			
1/2	1,702.97	1/2	1,431.04	1/2	1,159.11	1/2	887.37	1/2	617.18	1/2	345.26	1/2	73.89	1/2		1/2			
3/4	1,697.30	3/4	1,425.37	3/4	1,153.44	3/4	881.73	3/4	611.51	3/4	339.59	3/4	68.28	3/4		3/4			
4	1,691.64	4	1,419.71	4	1,147.78	4	876.11	4	605.85	4	333.93	4	62.72	4		4			
1/4	1,685.97	1/4	1,414.04	1/4	1,142.11	1/4	870.49	1/4	600.18	1/4	328.26	1/4	57.16	1/4		1/4			
1/2	1,680.31	1/2	1,408.38	1/2	1,136.45	1/2	864.87	1/2	594.52	1/2	322.60	1/2	51.59	1/2		1/2			
3/4	1,674.64	3/4	1,402.71	3/4	1,130.78	3/4	859.25	3/4	588.85	3/4	316.93	3/4	46.03	3/4		3/4			
5	1,668.98	5	1,397.05	5	1,125.12	5	853.63	5	583.19	5	311.27	5	41.08	5		5			
1/4	1,663.31	1/4	1,391.38	1/4	1,119.45	1/4	848.01	1/4	577.52	1/4	305.60	1/4	36.13	1/4		1/4			
1/2	1,657.65	1/2	1,385.72	1/2	1,113.79	1/2	842.39	1/2	571.86	1/2	299.94	1/2	31.18	1/2		1/2			
3/4	1,651.98	3/4	1,380.05	3/4	1,108.12	3/4	836.77	3/4	566.19	3/4	294.27	3/4	26.23	3/4		3/4			
6	1,646.32	6	1,374.39	6	1,102.46	6	831.15	6	560.53	6	288.61	6	22.68	6		6			
1/4	1,640.65	1/4	1,368.72	1/4	1,096.79	1/4	825.52	1/4	554.86	1/4	282.94	1/4	19.14	1/4		1/4			
1/2	1,634.98	1/2	1,363.06	1/2	1,091.13	1/2	819.90	1/2	549.20	1/2	277.28	1/2	15.60	1/2		1/2			
3/4	1,629.32	3/4	1,357.39	3/4	1,085.46	3/4	814.28	3/4	543.53	3/4	271.61	3/4	12.06	3/4		3/4			
7	1,623.65	7	1,351.72	7	1,079.80	7	808.66	7	537.87	7	265.95	7		7		7			
1/4	1,617.99	1/4	1,346.06	1/4	1,074.13	1/4	803.04	1/4	532.20	1/4	260.28	1/4		1/4		1/4			
1/2	1,612.32	1/2	1,340.39	1/2	1,068.46	1/2	797.42	1/2	526.54	1/2	254.62	1/2		1/2		1/2			
3/4	1,606.66	3/4	1,334.73	3/4	1,062.80	3/4	791.80	3/4	520.87	3/4	248.95	3/4		3/4		3/4			
8	1,600.99	8	1,329.06	8	1,057.13	8	786.18	8	515.21	8	243.29	8		8		8			
1/4	1,595.33	1/4	1,323.40	1/4	1,051.47	1/4	780.56	1/4	509.54	1/4	237.62	1/4		1/4		1/4			
1/2	1,589.66	1/2	1,317.73	1/2	1,045.80	1/2	774.94	1/2	503.88	1/2	231.96	1/2		1/2		1/2			
3/4	1,584.00	3/4	1,312.07	3/4	1,040.14	3/4	769.32	3/4	498.21	3/4	226.29	3/4		3/4		3/4			
9	1,578.33	9	1,306.40	9	1,034.47	9	763.70	9	492.55	9	220.62	9		9		9			
1/4	1,572.67	1/4	1,300.74	1/4	1,028.81	1/4	758.07	1/4	486.88	1/4	214.96	1/4		1/4		1/4			
1/2	1,567.00	1/2	1,295.07	1/2	1,023.14	1/2	752.45	1/2	481.22	1/2	209.29	1/2		1/2		1/2			
3/4	1,561.34	3/4	1,289.41	3/4	1,017.48	3/4	746.83	3/4	475.55	3/4	203.63	3/4		3/4		3/4			
10	1,555.67	10	1,283.74	10	1,011.81	10	741.21	10	469.89	10	197.96	10		10		10			
1/4	1,550.01	1/4	1,278.08	1/4	1,006.15	1/4	735.59	1/4	464.22	1/4	192.30	1/4		1/4		1/4			
1/2	1,544.34	1/2	1,272.41	1/2	1,000.48	1/2	729.97	1/2	458.56	1/2	186.64	1/2		1/2		1/2			
3/4	1,538.68	3/4	1,266.75	3/4	994.82	3/4	724.35	3/4	452.89	3/4	180.98	3/4		3/4		3/4			
11	1,533.01	11	1,261.08	11	989.15	11	718.73	11	447.23	11	175.32	11		11		11			
1/4	1,527.35	1/4	1,255.42	1/4	983.49	1/4	713.11	1/4	441.56	1/4	169.66	1/4		1/4		1/4			
1/2	1,521.68	1/2	1,249.75	1/2	977.82	1/2	707.49	1/2	435.90	1/2	164.00	1/2		1/2		1/2			
3/4	1,516.02	3/4	1,244.09	3/4	972.16	3/4	701.87	3/4	430.23	3/4	158.34	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2009 CL - SW
 CALCULATED: 04/21/2009 CL
 PRINTED: 04/21/2009 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 04/2009

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



BARGE "KIRBY 13021B"

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	1,803.43	0	1,531.85	0	1,260.27	0	988.69	0	717.95	0	446.65	0	175.09	0		0			
1/4	1,797.77	1/4	1,526.19	1/4	1,254.61	1/4	983.03	1/4	712.32	1/4	440.99	1/4	169.44	1/4		1/4			
1/2	1,792.11	1/2	1,520.53	1/2	1,248.95	1/2	977.37	1/2	706.70	1/2	435.33	1/2	163.79	1/2		1/2			
3/4	1,786.45	3/4	1,514.87	3/4	1,243.29	3/4	971.71	3/4	701.07	3/4	429.67	3/4	158.14	3/4		3/4			
1	1,780.79	1	1,509.21	1	1,237.64	1	966.06	1	695.44	1	424.02	1	152.49	1		1			
1/4	1,775.14	1/4	1,503.56	1/4	1,231.98	1/4	960.40	1/4	689.80	1/4	418.36	1/4	146.85	1/4		1/4			
1/2	1,769.48	1/2	1,497.90	1/2	1,226.32	1/2	954.74	1/2	684.17	1/2	412.70	1/2	141.21	1/2		1/2			
3/4	1,763.82	3/4	1,492.24	3/4	1,220.66	3/4	949.08	3/4	678.54	3/4	407.04	3/4	135.56	3/4		3/4			
2	1,758.16	2	1,486.58	2	1,215.00	2	943.42	2	672.90	2	401.39	2	129.93	2		2			
1/4	1,752.50	1/4	1,480.93	1/4	1,209.35	1/4	937.77	1/4	667.26	1/4	395.73	1/4	124.30	1/4		1/4			
1/2	1,746.85	1/2	1,475.27	1/2	1,203.69	1/2	932.11	1/2	661.62	1/2	390.07	1/2	118.67	1/2		1/2			
3/4	1,741.19	3/4	1,469.61	3/4	1,198.03	3/4	926.45	3/4	655.98	3/4	384.41	3/4	113.04	3/4		3/4			
3	1,735.53	3	1,463.95	3	1,192.37	3	920.79	3	650.32	3	378.75	3	107.42	3		3			
1/4	1,729.87	1/4	1,458.29	1/4	1,186.71	1/4	915.14	1/4	644.67	1/4	373.10	1/4	101.80	1/4		1/4			
1/2	1,724.21	1/2	1,452.64	1/2	1,181.06	1/2	909.48	1/2	639.01	1/2	367.44	1/2	96.19	1/2		1/2			
3/4	1,718.56	3/4	1,446.98	3/4	1,175.40	3/4	903.82	3/4	633.35	3/4	361.78	3/4	90.57	3/4		3/4			
4	1,712.90	4	1,441.32	4	1,169.74	4	898.17	4	627.69	4	356.12	4	84.98	4		4			
1/4	1,707.24	1/4	1,435.66	1/4	1,164.08	1/4	892.52	1/4	622.04	1/4	350.47	1/4	79.38	1/4		1/4			
1/2	1,701.58	1/2	1,430.00	1/2	1,158.42	1/2	886.87	1/2	616.38	1/2	344.81	1/2	73.79	1/2		1/2			
3/4	1,695.93	3/4	1,424.35	3/4	1,152.77	3/4	881.22	3/4	610.72	3/4	339.15	3/4	68.20	3/4		3/4			
5	1,690.27	5	1,418.69	5	1,147.11	5	875.59	5	605.06	5	333.49	5	62.64	5		5			
1/4	1,684.61	1/4	1,413.03	1/4	1,141.45	1/4	869.95	1/4	599.41	1/4	327.84	1/4	57.08	1/4		1/4			
1/2	1,678.95	1/2	1,407.37	1/2	1,135.79	1/2	864.31	1/2	593.75	1/2	322.18	1/2	51.52	1/2		1/2			
3/4	1,673.29	3/4	1,401.71	3/4	1,130.14	3/4	858.68	3/4	588.09	3/4	316.52	3/4	45.97	3/4		3/4			
6	1,667.64	6	1,396.06	6	1,124.48	6	853.04	6	582.43	6	310.86	6	41.02	6		6			
1/4	1,661.98	1/4	1,390.40	1/4	1,118.82	1/4	847.40	1/4	576.77	1/4	305.20	1/4	36.08	1/4		1/4			
1/2	1,656.32	1/2	1,384.74	1/2	1,113.16	1/2	841.76	1/2	571.12	1/2	299.55	1/2	31.13	1/2		1/2			
3/4	1,650.66	3/4	1,379.08	3/4	1,107.50	3/4	836.13	3/4	565.46	3/4	293.89	3/4	26.19	3/4		3/4			
7	1,645.00	7	1,373.43	7	1,101.85	7	830.50	7	559.80	7	288.23	7	22.65	7		7			
1/4	1,639.35	1/4	1,367.77	1/4	1,096.19	1/4	824.87	1/4	554.14	1/4	282.57	1/4	19.12	1/4		1/4			
1/2	1,633.69	1/2	1,362.11	1/2	1,090.53	1/2	819.25	1/2	548.49	1/2	276.92	1/2	15.58	1/2		1/2			
3/4	1,628.03	3/4	1,356.45	3/4	1,084.87	3/4	813.62	3/4	542.83	3/4	271.26	3/4	12.04	3/4		3/4			
8	1,622.37	8	1,350.79	8	1,079.21	8	807.99	8	537.17	8	265.60	8		8		8			
1/4	1,616.71	1/4	1,345.14	1/4	1,073.56	1/4	802.36	1/4	531.51	1/4	259.94	1/4		1/4		1/4			
1/2	1,611.06	1/2	1,339.48	1/2	1,067.90	1/2	796.74	1/2	525.86	1/2	254.29	1/2		1/2		1/2			
3/4	1,605.40	3/4	1,333.82	3/4	1,062.24	3/4	791.11	3/4	520.20	3/4	248.63	3/4		3/4		3/4			
9	1,599.74	9	1,328.16	9	1,056.58	9	785.48	9	514.54	9	242.97	9		9		9			
1/4	1,594.08	1/4	1,322.50	1/4	1,050.92	1/4	779.85	1/4	508.88	1/4	237.31	1/4		1/4		1/4			
1/2	1,588.43	1/2	1,316.85	1/2	1,045.27	1/2	774.23	1/2	503.22	1/2	231.65	1/2		1/2		1/2			
3/4	1,582.77	3/4	1,311.19	3/4	1,039.61	3/4	768.60	3/4	497.57	3/4	226.00	3/4		3/4		3/4			
10	1,577.11	10	1,305.53	10	1,033.95	10	762.97	10	491.91	10	220.34	10		10		10			
1/4	1,571.45	1/4	1,299.87	1/4	1,028.29	1/4	757.34	1/4	486.25	1/4	214.68	1/4		1/4		1/4			
1/2	1,565.79	1/2	1,294.21	1/2	1,022.64	1/2	751.72	1/2	480.59	1/2	209.02	1/2		1/2		1/2			
3/4	1,560.14	3/4	1,288.56	3/4	1,016.98	3/4	746.09	3/4	474.94	3/4	203.36	3/4		3/4		3/4			
11	1,554.48	11	1,282.90	11	1,011.32	11	740.46	11	469.28	11	197.71	11		11		11			
1/4	1,548.82	1/4	1,277.24	1/4	1,005.66	1/4	734.83	1/4	463.62	1/4	192.05	1/4		1/4		1/4			
1/2	1,543.16	1/2	1,271.58	1/2	1,000.00	1/2	729.21	1/2	457.96	1/2	186.40	1/2		1/2		1/2			
3/4	1,537.50	3/4	1,265.93	3/4	994.35	3/4	723.58	3/4	452.30	3/4	180.74	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2009 CL - SW
 CALCULATED: 04/21/2009 CL
 PRINTED: 04/21/2009 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 04/2009

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



BARGE "KIRBY 13021B"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	1,724.28	0	1,451.07	0	1,177.85	0	903.85	0	638.95	0	366.29	0	92.20	0	0	0	0	0	0
1/4	1,718.60	1/4	1,445.37	1/4	1,172.14	1/4	898.14	1/4	633.46	1/4	360.58	1/4	86.51	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,712.91	1/2	1,439.68	1/2	1,166.44	1/2	892.44	1/2	627.97	1/2	354.86	1/2	80.83	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,707.23	3/4	1,433.98	3/4	1,160.73	3/4	886.73	3/4	622.49	3/4	349.15	3/4	75.14	3/4	3/4	3/4	3/4	3/4	3/4
1	1,701.54	1	1,428.28	1	1,155.02	1	881.02	1	616.99	1	343.44	1	69.89	1	1	1	1	1	1
1/4	1,695.85	1/4	1,422.59	1/4	1,149.31	1/4	875.31	1/4	611.49	1/4	337.73	1/4	64.64	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,690.17	1/2	1,416.89	1/2	1,143.60	1/2	869.60	1/2	606.00	1/2	332.01	1/2	59.39	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,684.48	3/4	1,411.20	3/4	1,137.89	3/4	863.90	3/4	600.50	3/4	326.30	3/4	54.14	3/4	3/4	3/4	3/4	3/4	3/4
2	1,678.80	2	1,405.50	2	1,132.19	2	858.39	2	594.79	2	320.59	2	49.76	2	2	2	2	2	2
1/4	1,673.11	1/4	1,399.80	1/4	1,126.48	1/4	852.89	1/4	589.08	1/4	314.88	1/4	45.37	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,667.43	1/2	1,394.11	1/2	1,120.77	1/2	847.39	1/2	583.37	1/2	309.16	1/2	40.99	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,661.74	3/4	1,388.41	3/4	1,115.06	3/4	841.88	3/4	577.65	3/4	303.45	3/4	36.61	3/4	3/4	3/4	3/4	3/4	3/4
3	1,656.06	3	1,382.72	3	1,109.35	3	836.39	3	571.94	3	297.74	3	33.11	3	3	3	3	3	3
1/4	1,650.37	1/4	1,377.02	1/4	1,103.64	1/4	830.89	1/4	566.23	1/4	292.02	1/4	29.61	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,644.69	1/2	1,371.32	1/2	1,097.94	1/2	825.40	1/2	560.52	1/2	286.31	1/2	26.11	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,639.00	3/4	1,365.63	3/4	1,092.23	3/4	819.90	3/4	554.81	3/4	280.60	3/4	22.61	3/4	3/4	3/4	3/4	3/4	3/4
4	1,633.32	4	1,359.93	4	1,086.52	4	814.42	4	549.09	4	274.89	4	19.99	4	4	4	4	4	4
1/4	1,627.63	1/4	1,354.24	1/4	1,080.81	1/4	808.94	1/4	543.38	1/4	269.17	1/4	17.37	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,621.95	1/2	1,348.54	1/2	1,075.10	1/2	803.45	1/2	537.67	1/2	263.46	1/2	14.76	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,616.26	3/4	1,342.84	3/4	1,069.39	3/4	797.97	3/4	531.96	3/4	257.75	3/4	12.14	3/4	3/4	3/4	3/4	3/4	3/4
5	1,610.57	5	1,337.15	5	1,063.69	5	792.49	5	526.25	5	252.04	5	9.53	5	5	5	5	5	5
1/4	1,604.89	1/4	1,331.47	1/4	1,057.98	1/4	787.00	1/4	520.53	1/4	246.32	1/4	7.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,599.20	1/2	1,325.78	1/2	1,052.27	1/2	781.52	1/2	514.82	1/2	240.61	1/2	4.47	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,593.52	3/4	1,320.09	3/4	1,046.56	3/4	776.04	3/4	509.11	3/4	234.90	3/4	1.94	3/4	3/4	3/4	3/4	3/4	3/4
6	1,587.83	6	1,314.40	6	1,040.85	6	770.55	6	503.39	6	229.18	6	0.41	6	6	6	6	6	6
1/4	1,582.15	1/4	1,308.71	1/4	1,035.14	1/4	765.07	1/4	497.68	1/4	223.47	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,576.46	1/2	1,303.02	1/2	1,029.44	1/2	759.59	1/2	491.97	1/2	217.76	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,570.78	3/4	1,297.33	3/4	1,023.73	3/4	754.10	3/4	486.26	3/4	212.05	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
7	1,565.09	7	1,291.65	7	1,018.02	7	748.62	7	480.54	7	206.33	7	0.00	7	7	7	7	7	7
1/4	1,559.41	1/4	1,285.96	1/4	1,012.31	1/4	743.14	1/4	474.83	1/4	200.62	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,553.72	1/2	1,280.27	1/2	1,006.60	1/2	737.65	1/2	469.12	1/2	194.91	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,548.04	3/4	1,274.58	3/4	1,000.89	3/4	732.17	3/4	463.41	3/4	189.20	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
8	1,542.35	8	1,268.89	8	995.19	8	726.69	8	457.69	8	183.48	8	0.00	8	8	8	8	8	8
1/4	1,536.67	1/4	1,263.20	1/4	989.48	1/4	721.20	1/4	451.98	1/4	177.77	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,530.98	1/2	1,257.51	1/2	983.77	1/2	715.72	1/2	446.27	1/2	172.06	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,525.30	3/4	1,251.82	3/4	978.06	3/4	710.24	3/4	440.55	3/4	166.35	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
9	1,519.60	9	1,246.14	9	972.35	9	704.75	9	434.84	9	160.63	9	0.00	9	9	9	9	9	9
1/4	1,513.91	1/4	1,240.45	1/4	966.64	1/4	699.27	1/4	429.13	1/4	154.92	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,508.21	1/2	1,234.76	1/2	960.94	1/2	693.79	1/2	423.42	1/2	149.21	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,502.52	3/4	1,229.07	3/4	955.23	3/4	688.30	3/4	417.70	3/4	143.49	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
10	1,496.80	10	1,223.38	10	949.52	10	682.82	10	411.99	10	137.79	10	0.00	10	10	10	10	10	10
1/4	1,491.08	1/4	1,217.69	1/4	943.81	1/4	677.34	1/4	406.28	1/4	132.09	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,485.36	1/2	1,212.00	1/2	938.10	1/2	671.85	1/2	400.57	1/2	126.38	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,479.64	3/4	1,206.31	3/4	932.39	3/4	666.37	3/4	394.85	3/4	120.68	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
11	1,473.92	11	1,200.63	11	926.69	11	660.89	11	389.14	11	114.98	11	0.00	11	11	11	11	11	11
1/4	1,468.20	1/4	1,194.94	1/4	920.98	1/4	655.40	1/4	383.43	1/4	109.29	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,462.48	1/2	1,189.25	1/2	915.27	1/2	649.92	1/2	377.71	1/2	103.59	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,456.76	3/4	1,183.56	3/4	909.56	3/4	644.44	3/4	372.00	3/4	97.89	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2009 CL - SW
 CALCULATED: 04/21/2009 CL
 PRINTED: 04/21/2009 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 04/2009

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "KIRBY 13021B"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	1,731.84	0	1,458.25	0	1,183.72	0	909.18	0	635.63	0	361.23	0	86.77	0		0		0	
1/4	1,726.14	1/4	1,452.54	1/4	1,178.00	1/4	903.46	1/4	629.94	1/4	355.51	1/4	81.07	1/4		1/4		1/4	
1/2	1,720.45	1/2	1,446.82	1/2	1,172.28	1/2	897.74	1/2	624.25	1/2	349.79	1/2	75.36	1/2		1/2		1/2	
3/4	1,714.75	3/4	1,441.10	3/4	1,166.56	3/4	892.02	3/4	618.54	3/4	344.08	3/4	70.10	3/4		3/4		3/4	
1	1,709.06	1	1,435.38	1	1,160.84	1	886.30	1	612.84	1	338.36	1	64.83	1		1		1	
1/4	1,703.37	1/4	1,429.66	1/4	1,155.12	1/4	880.59	1/4	607.14	1/4	332.64	1/4	59.57	1/4		1/4		1/4	
1/2	1,697.67	1/2	1,423.94	1/2	1,149.40	1/2	874.87	1/2	601.44	1/2	326.92	1/2	54.30	1/2		1/2		1/2	
3/4	1,691.98	3/4	1,418.22	3/4	1,143.68	3/4	869.15	3/4	595.72	3/4	321.20	3/4	49.91	3/4		3/4		3/4	
2	1,686.28	2	1,412.50	2	1,137.96	2	863.43	2	590.00	2	315.48	2	45.52	2		2		2	
1/4	1,680.59	1/4	1,406.78	1/4	1,132.24	1/4	857.71	1/4	584.28	1/4	309.76	1/4	41.13	1/4		1/4		1/4	
1/2	1,674.89	1/2	1,401.06	1/2	1,126.52	1/2	851.99	1/2	578.56	1/2	304.04	1/2	36.73	1/2		1/2		1/2	
3/4	1,669.20	3/4	1,395.34	3/4	1,120.80	3/4	846.28	3/4	572.84	3/4	298.32	3/4	33.22	3/4		3/4		3/4	
3	1,663.50	3	1,389.62	3	1,115.08	3	840.57	3	567.12	3	292.60	3	29.71	3		3		3	
1/4	1,657.81	1/4	1,383.90	1/4	1,109.37	1/4	834.86	1/4	561.41	1/4	286.88	1/4	26.19	1/4		1/4		1/4	
1/2	1,652.12	1/2	1,378.18	1/2	1,103.65	1/2	829.14	1/2	555.69	1/2	281.16	1/2	22.68	1/2		1/2		1/2	
3/4	1,646.42	3/4	1,372.46	3/4	1,097.93	3/4	823.45	3/4	549.97	3/4	275.45	3/4	20.06	3/4		3/4		3/4	
4	1,640.73	4	1,366.74	4	1,092.21	4	817.75	4	544.25	4	269.73	4	17.44	4		4		4	
1/4	1,635.03	1/4	1,361.02	1/4	1,086.49	1/4	812.05	1/4	538.53	1/4	264.01	1/4	14.82	1/4		1/4		1/4	
1/2	1,629.34	1/2	1,355.30	1/2	1,080.77	1/2	806.35	1/2	532.81	1/2	258.29	1/2	12.20	1/2		1/2		1/2	
3/4	1,623.64	3/4	1,349.58	3/4	1,075.05	3/4	800.65	3/4	527.09	3/4	252.57	3/4	10.00	3/4		3/4		3/4	
5	1,617.95	5	1,343.86	5	1,069.33	5	794.96	5	521.37	5	246.85	5	8.00	5		5		5	
1/4	1,612.25	1/4	1,338.15	1/4	1,063.61	1/4	789.26	1/4	515.65	1/4	241.13	1/4	6.00	1/4		1/4		1/4	
1/2	1,606.56	1/2	1,332.43	1/2	1,057.89	1/2	783.56	1/2	509.93	1/2	235.41	1/2	4.00	1/2		1/2		1/2	
3/4	1,600.87	3/4	1,326.71	3/4	1,052.17	3/4	777.87	3/4	504.21	3/4	229.69	3/4	2.00	3/4		3/4		3/4	
6	1,595.17	6	1,320.99	6	1,046.45	6	772.18	6	498.49	6	223.97	6	0.00	6		6		6	
1/4	1,589.48	1/4	1,315.27	1/4	1,040.73	1/4	766.49	1/4	492.77	1/4	218.25	1/4	0.00	1/4		1/4		1/4	
1/2	1,583.78	1/2	1,309.55	1/2	1,035.01	1/2	760.80	1/2	487.06	1/2	212.53	1/2	0.00	1/2		1/2		1/2	
3/4	1,578.09	3/4	1,303.83	3/4	1,029.29	3/4	755.11	3/4	481.34	3/4	206.81	3/4	0.00	3/4		3/4		3/4	
7	1,572.39	7	1,298.11	7	1,023.57	7	749.42	7	475.62	7	201.10	7	0.00	7		7		7	
1/4	1,566.70	1/4	1,292.39	1/4	1,017.85	1/4	743.73	1/4	469.90	1/4	195.38	1/4	0.00	1/4		1/4		1/4	
1/2	1,561.01	1/2	1,286.67	1/2	1,012.13	1/2	738.05	1/2	464.18	1/2	189.66	1/2	0.00	1/2		1/2		1/2	
3/4	1,555.31	3/4	1,280.95	3/4	1,006.41	3/4	732.36	3/4	458.46	3/4	183.94	3/4	0.00	3/4		3/4		3/4	
8	1,549.62	8	1,275.23	8	1,000.69	8	726.67	8	452.74	8	178.22	8	0.00	8		8		8	
1/4	1,543.92	1/4	1,269.51	1/4	994.98	1/4	720.98	1/4	447.02	1/4	172.50	1/4	0.00	1/4		1/4		1/4	
1/2	1,538.23	1/2	1,263.79	1/2	989.26	1/2	715.29	1/2	441.30	1/2	166.78	1/2	0.00	1/2		1/2		1/2	
3/4	1,532.53	3/4	1,258.07	3/4	983.54	3/4	709.60	3/4	435.58	3/4	161.06	3/4	0.00	3/4		3/4		3/4	
9	1,526.84	9	1,252.35	9	977.82	9	703.91	9	429.86	9	155.34	9	0.00	9		9		9	
1/4	1,521.14	1/4	1,246.63	1/4	972.10	1/4	698.22	1/4	424.14	1/4	149.62	1/4	0.00	1/4		1/4		1/4	
1/2	1,515.45	1/2	1,240.91	1/2	966.38	1/2	692.53	1/2	418.43	1/2	143.90	1/2	0.00	1/2		1/2		1/2	
3/4	1,509.73	3/4	1,235.19	3/4	960.66	3/4	686.84	3/4	412.71	3/4	138.18	3/4	0.00	3/4		3/4		3/4	
10	1,504.01	10	1,229.47	10	954.94	10	681.15	10	406.99	10	132.47	10	0.00	10		10		10	
1/4	1,498.29	1/4	1,223.76	1/4	949.22	1/4	675.47	1/4	401.27	1/4	126.75	1/4	0.00	1/4		1/4		1/4	
1/2	1,492.57	1/2	1,218.04	1/2	943.50	1/2	669.78	1/2	395.55	1/2	121.03	1/2	0.00	1/2		1/2		1/2	
3/4	1,486.85	3/4	1,212.32	3/4	937.78	3/4	664.09	3/4	389.83	3/4	115.32	3/4	0.00	3/4		3/4		3/4	
11	1,481.13	11	1,206.60	11	932.06	11	658.40	11	384.11	11	109.61	11	0.00	11		11		11	
1/4	1,475.41	1/4	1,200.88	1/4	926.34	1/4	652.71	1/4	378.39	1/4	103.89	1/4	0.00	1/4		1/4		1/4	
1/2	1,469.69	1/2	1,195.16	1/2	920.62	1/2	647.02	1/2	372.67	1/2	98.18	1/2	0.00	1/2		1/2		1/2	
3/4	1,463.97	3/4	1,189.44	3/4	914.90	3/4	641.33	3/4	366.95	3/4	92.48	3/4	0.00	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2009 CL - SW
 CALCULATED: 04/21/2009 CL
 PRINTED: 04/21/2009 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 04/2009

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