



KIRBY 28042



Barge Strapping Tables





BARGE "KIRBY 28042"

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

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

LENGTH BETWEEN DRAFT MARKS: 237'-03"

August 31, 2005

PRECISION MEASUREMENT
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BARGE "KIRBY 28042"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,129.30	0	1,798.05	0	1,466.81	0	1,135.56	0	810.03	0	506.38	0	226.15	0		0			
1/4	2,122.40	1/4	1,791.15	1/4	1,459.91	1/4	1,128.66	1/4	803.47	1/4	500.29	1/4	220.55	1/4		1/4			
1/2	2,115.50	1/2	1,784.25	1/2	1,453.00	1/2	1,121.76	1/2	796.91	1/2	494.21	1/2	214.96	1/2		1/2			
3/4	2,108.60	3/4	1,777.35	3/4	1,446.10	3/4	1,114.86	3/4	790.40	3/4	488.17	3/4	203.41	3/4		3/4			
1	2,101.70	1	1,770.45	1	1,439.20	1	1,107.95	1	783.88	1	482.12	1	203.86	1		1			
1/4	2,094.80	1/4	1,763.55	1/4	1,432.30	1/4	1,101.05	1/4	777.36	1/4	476.08	1/4	198.31	1/4		1/4			
1/2	2,087.90	1/2	1,756.65	1/2	1,425.40	1/2	1,094.15	1/2	770.84	1/2	470.04	1/2	192.76	1/2		1/2			
3/4	2,081.00	3/4	1,749.75	3/4	1,418.50	3/4	1,087.25	3/4	764.36	3/4	464.04	3/4	187.25	3/4		3/4			
2	2,074.09	2	1,742.85	2	1,411.60	2	1,080.35	2	757.89	2	458.03	2	181.73	2		2			
1/4	2,067.19	1/4	1,735.95	1/4	1,404.70	1/4	1,073.45	1/4	751.41	1/4	452.03	1/4	176.22	1/4		1/4			
1/2	2,060.29	1/2	1,729.04	1/2	1,397.80	1/2	1,066.55	1/2	744.93	1/2	446.03	1/2	170.71	1/2		1/2			
3/4	2,053.39	3/4	1,722.14	3/4	1,390.90	3/4	1,059.66	3/4	738.48	3/4	440.07	3/4	165.24	3/4		3/4			
3	2,046.49	3	1,715.24	3	1,383.99	3	1,052.77	3	732.03	3	434.11	3	159.77	3		3			
1/4	2,039.59	1/4	1,708.34	1/4	1,377.09	1/4	1,045.88	1/4	725.57	1/4	428.15	1/4	154.30	1/4		1/4			
1/2	2,032.69	1/2	1,701.44	1/2	1,370.19	1/2	1,038.99	1/2	719.12	1/2	422.19	1/2	148.84	1/2		1/2			
3/4	2,025.79	3/4	1,694.54	3/4	1,363.29	3/4	1,032.11	3/4	712.71	3/4	416.27	3/4	143.40	3/4		3/4			
4	2,018.89	4	1,687.64	4	1,356.39	4	1,025.23	4	706.30	4	410.35	4	137.97	4		4			
1/4	2,011.99	1/4	1,680.74	1/4	1,349.49	1/4	1,018.36	1/4	699.89	1/4	404.43	1/4	132.54	1/4		1/4			
1/2	2,005.08	1/2	1,673.84	1/2	1,342.59	1/2	1,011.48	1/2	693.47	1/2	398.50	1/2	127.11	1/2		1/2			
3/4	1,998.18	3/4	1,666.94	3/4	1,335.69	3/4	1,004.63	3/4	687.11	3/4	392.63	3/4	121.72	3/4		3/4			
5	1,991.28	5	1,660.03	5	1,328.79	5	997.78	5	680.74	5	386.75	5	116.34	5		5			
1/4	1,984.38	1/4	1,653.13	1/4	1,321.89	1/4	990.92	1/4	674.37	1/4	380.87	1/4	110.95	1/4		1/4			
1/2	1,977.48	1/2	1,646.23	1/2	1,314.98	1/2	984.07	1/2	668.00	1/2	374.99	1/2	105.57	1/2		1/2			
3/4	1,970.58	3/4	1,639.33	3/4	1,308.08	3/4	977.25	3/4	661.67	3/4	369.15	3/4	100.22	3/4		3/4			
6	1,963.68	6	1,632.43	6	1,301.18	6	970.43	6	655.34	6	363.31	6	94.88	6		6			
1/4	1,956.78	1/4	1,625.53	1/4	1,294.28	1/4	963.61	1/4	649.01	1/4	357.47	1/4	89.53	1/4		1/4			
1/2	1,949.88	1/2	1,618.63	1/2	1,287.38	1/2	956.79	1/2	642.67	1/2	351.64	1/2	84.18	1/2		1/2			
3/4	1,942.98	3/4	1,611.73	3/4	1,280.48	3/4	950.03	3/4	636.39	3/4	345.84	3/4	78.88	3/4		3/4			
7	1,936.07	7	1,604.83	7	1,273.58	7	943.27	7	630.10	7	340.04	7	73.58	7		7			
1/4	1,929.17	1/4	1,597.93	1/4	1,266.68	1/4	936.50	1/4	623.81	1/4	334.25	1/4	68.28	1/4		1/4			
1/2	1,922.27	1/2	1,591.02	1/2	1,259.78	1/2	929.74	1/2	617.52	1/2	328.45	1/2	62.98	1/2		1/2			
3/4	1,915.37	3/4	1,584.12	3/4	1,252.88	3/4	923.01	3/4	611.28	3/4	322.69	3/4	57.71	3/4		3/4			
8	1,908.47	8	1,577.22	8	1,245.97	8	916.29	8	605.03	8	316.94	8	52.45	8		8			
1/4	1,901.57	1/4	1,570.32	1/4	1,239.07	1/4	909.57	1/4	598.78	1/4	311.18	1/4	47.18	1/4		1/4			
1/2	1,894.67	1/2	1,563.42	1/2	1,232.17	1/2	902.84	1/2	592.53	1/2	305.42	1/2	41.92	1/2		1/2			
3/4	1,887.77	3/4	1,556.52	3/4	1,225.27	3/4	896.16	3/4	586.32	3/4	299.71	3/4	37.56	3/4		3/4			
9	1,880.87	9	1,549.62	9	1,218.37	9	889.48	9	580.12	9	293.99	9	33.21	9		9			
1/4	1,873.97	1/4	1,542.72	1/4	1,211.47	1/4	882.80	1/4	573.91	1/4	288.28	1/4	28.85	1/4		1/4			
1/2	1,867.06	1/2	1,535.82	1/2	1,204.57	1/2	876.12	1/2	567.71	1/2	282.57	1/2	24.50	1/2		1/2			
3/4	1,860.16	3/4	1,528.92	3/4	1,197.67	3/4	869.48	3/4	561.54	3/4	276.89	3/4	21.90	3/4		3/4			
10	1,853.26	10	1,522.01	10	1,190.77	10	862.83	10	555.37	10	271.21	10	19.31	10		10			
1/4	1,846.36	1/4	1,515.11	1/4	1,183.87	1/4	856.19	1/4	549.21	1/4	265.54	1/4	16.72	1/4		1/4			
1/2	1,839.46	1/2	1,508.21	1/2	1,176.96	1/2	849.55	1/2	543.04	1/2	259.86	1/2	14.12	1/2		1/2			
3/4	1,832.56	3/4	1,501.31	3/4	1,170.06	3/4	842.95	3/4	536.92	3/4	254.23	3/4	11.11	3/4		3/4			
11	1,825.66	11	1,494.41	11	1,163.16	11	836.35	11	530.79	11	248.60	11	8.11	11		11			
1/4	1,818.76	1/4	1,487.51	1/4	1,156.26	1/4	829.75	1/4	524.67	1/4	242.97	1/4	6.11	1/4		1/4			
1/2	1,811.86	1/2	1,480.61	1/2	1,149.36	1/2	823.15	1/2	518.55	1/2	237.34	1/2	4.11	1/2		1/2			
3/4	1,804.96	3/4	1,473.71	3/4	1,142.46	3/4	816.59	3/4	512.46	3/4	231.74	3/4	2.11	3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/30/2005 CL - SW
CALCULATED: 08/31/2005 CL
PRINTED: 08/31/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2005

PRECISION MEASUREMENT
& ANALYSIS, INC.
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1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	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	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
1/2	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
3/4	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
1	3/4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1 1/4	1	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 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1 1/4	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	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1 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
2	1 1/2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1 1/4	2	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 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2 1/4	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	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	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	2 1/2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1 1/4	3	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 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	3 1/4	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	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	3 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
4	3 1/2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1 1/4	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 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	4 1/4	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	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	4 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
5	4 1/2	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1 1/4	5	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 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	5 1/4	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	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	5 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
6	5 1/2	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1 1/4	6	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 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	6 1/4	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	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	6 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
7	6 1/2	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1 1/4	7	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 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	7 1/4	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	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	7 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
8	7 1/2	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1 1/4	8	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 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	8 1/4	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	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	8 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
9	8 1/2	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1 1/4	9	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 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	9 1/4	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	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	9 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
10	9 1/2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1 1/4	10	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 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	10 1/4	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	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	10 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
11	10 1/2	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1 1/4	11	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 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	11 1/4	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	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	11 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
12	11 1/2	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
3/4	12	3/4	3/4	3/4	3/4	3/4	3/4	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 MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 36'-07" 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

Chris Johnson



BARGE "KIRBY 28042"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	2,128.08	0	1,796.75	0	1,465.41	0	1,134.08	0	809.58	0	506.50	0	226.20	0					
1/4	2,121.18	1/4	1,789.85	1/4	1,458.51	1/4	1,127.18	1/4	803.06	1/4	500.41	1/4	220.60	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,114.28	1/2	1,782.94	1/2	1,451.61	1/2	1,120.27	1/2	796.54	1/2	494.33	1/2	215.01	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,107.38	3/4	1,776.04	3/4	1,444.71	3/4	1,113.37	3/4	790.06	3/4	488.28	3/4	209.46	3/4	3/4	3/4	3/4	3/4	3/4
1	2,100.47	1	1,769.14	1	1,437.80	1	1,106.47	1	783.58	1	482.24	1	203.91	1	1	1	1	1	1
1/4	2,093.57	1/4	1,762.24	1/4	1,430.90	1/4	1,099.57	1/4	777.09	1/4	476.20	1/4	198.36	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,086.67	1/2	1,755.33	1/2	1,424.00	1/2	1,092.66	1/2	770.61	1/2	470.15	1/2	192.80	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,079.76	3/4	1,748.43	3/4	1,417.09	3/4	1,085.76	3/4	764.17	3/4	464.15	3/4	187.29	3/4	3/4	3/4	3/4	3/4	3/4
2	2,072.86	2	1,741.53	2	1,410.19	2	1,078.86	2	757.73	2	458.15	2	181.78	2	2	2	2	2	2
1/4	2,065.96	1/4	1,734.62	1/4	1,403.29	1/4	1,071.96	1/4	751.29	1/4	452.14	1/4	176.26	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,059.06	1/2	1,727.72	1/2	1,396.39	1/2	1,065.06	1/2	744.85	1/2	446.14	1/2	170.75	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,052.15	3/4	1,720.82	3/4	1,389.48	3/4	1,058.16	3/4	738.43	3/4	440.18	3/4	165.28	3/4	3/4	3/4	3/4	3/4	3/4
3	2,045.25	3	1,713.92	3	1,382.58	3	1,051.27	3	732.01	3	434.21	3	159.81	3	3	3	3	3	3
1/4	2,038.35	1/4	1,707.01	1/4	1,375.68	1/4	1,044.38	1/4	725.60	1/4	428.25	1/4	154.34	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,031.44	1/2	1,700.11	1/2	1,368.78	1/2	1,037.48	1/2	719.18	1/2	422.29	1/2	148.87	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,024.54	3/4	1,693.21	3/4	1,361.87	3/4	1,030.60	3/4	712.80	3/4	416.37	3/4	143.44	3/4	3/4	3/4	3/4	3/4	3/4
4	2,017.64	4	1,686.30	4	1,354.97	4	1,023.73	4	706.41	4	410.45	4	138.00	4	4	4	4	4	4
1/4	2,010.74	1/4	1,679.40	1/4	1,348.07	1/4	1,016.85	1/4	700.03	1/4	404.52	1/4	132.57	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,003.83	1/2	1,672.50	1/2	1,341.16	1/2	1,009.97	1/2	693.64	1/2	398.60	1/2	127.14	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,996.93	3/4	1,665.60	3/4	1,334.26	3/4	1,003.14	3/4	687.27	3/4	392.72	3/4	121.75	3/4	3/4	3/4	3/4	3/4	3/4
5	1,990.03	5	1,658.69	5	1,327.36	5	996.32	5	680.90	5	386.84	5	116.37	5	5	5	5	5	5
1/4	1,983.12	1/4	1,651.79	1/4	1,320.46	1/4	989.50	1/4	674.53	1/4	380.96	1/4	110.98	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,976.22	1/2	1,644.89	1/2	1,313.55	1/2	982.67	1/2	668.16	1/2	375.08	1/2	105.59	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,969.32	3/4	1,637.98	3/4	1,306.65	3/4	975.89	3/4	661.83	3/4	369.24	3/4	100.25	3/4	3/4	3/4	3/4	3/4	3/4
6	1,962.42	6	1,631.08	6	1,299.75	6	969.10	6	655.49	6	363.40	6	94.90	6	6	6	6	6	6
1/4	1,955.51	1/4	1,624.18	1/4	1,292.84	1/4	962.32	1/4	649.16	1/4	357.56	1/4	89.55	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,948.61	1/2	1,617.28	1/2	1,285.94	1/2	955.53	1/2	642.83	1/2	351.72	1/2	84.20	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,941.71	3/4	1,610.37	3/4	1,279.04	3/4	948.80	3/4	636.54	3/4	345.92	3/4	78.90	3/4	3/4	3/4	3/4	3/4	3/4
7	1,934.81	7	1,603.47	7	1,272.14	7	942.08	7	630.25	7	340.13	7	73.60	7	7	7	7	7	7
1/4	1,927.90	1/4	1,596.57	1/4	1,265.23	1/4	935.35	1/4	623.96	1/4	334.33	1/4	68.29	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,921.00	1/2	1,589.67	1/2	1,258.33	1/2	928.62	1/2	617.67	1/2	328.53	1/2	62.99	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,914.10	3/4	1,582.76	3/4	1,251.43	3/4	921.94	3/4	611.42	3/4	322.77	3/4	57.73	3/4	3/4	3/4	3/4	3/4	3/4
8	1,907.19	8	1,575.86	8	1,244.52	8	916.26	8	605.17	8	317.01	8	52.46	8	8	8	8	8	8
1/4	1,900.29	1/4	1,568.96	1/4	1,237.62	1/4	908.56	1/4	598.92	1/4	311.25	1/4	47.20	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,893.39	1/2	1,562.05	1/2	1,230.72	1/2	901.88	1/2	592.67	1/2	305.50	1/2	41.93	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,886.49	3/4	1,555.15	3/4	1,223.82	3/4	895.23	3/4	586.47	3/4	299.78	3/4	37.57	3/4	3/4	3/4	3/4	3/4	3/4
9	1,879.58	9	1,548.25	9	1,216.91	9	888.59	9	580.26	9	294.06	9	33.22	9	9	9	9	9	9
1/4	1,872.68	1/4	1,541.35	1/4	1,210.01	1/4	881.94	1/4	574.05	1/4	288.35	1/4	28.86	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,865.78	1/2	1,534.44	1/2	1,203.11	1/2	875.30	1/2	567.84	1/2	282.63	1/2	24.50	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,858.87	3/4	1,527.54	3/4	1,196.21	3/4	868.69	3/4	561.68	3/4	276.96	3/4	21.91	3/4	3/4	3/4	3/4	3/4	3/4
10	1,851.97	10	1,520.64	10	1,189.30	10	862.09	10	555.51	10	271.28	10	19.31	10	10	10	10	10	10
1/4	1,845.07	1/4	1,513.73	1/4	1,182.40	1/4	855.49	1/4	549.34	1/4	265.60	1/4	16.72	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,838.17	1/2	1,506.83	1/2	1,175.50	1/2	848.88	1/2	543.17	1/2	259.92	1/2	14.13	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,831.26	3/4	1,499.93	3/4	1,168.59	3/4	842.32	3/4	537.05	3/4	254.29	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,824.36	11	1,493.03	11	1,161.69	11	835.76	11	530.92	11	248.66	11		11	11	11	11	11	11
1/4	1,817.46	1/4	1,486.12	1/4	1,154.79	1/4	829.19	1/4	524.80	1/4	243.03	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,810.55	1/2	1,479.22	1/2	1,147.89	1/2	822.63	1/2	518.67	1/2	237.39	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,803.65	3/4	1,472.32	3/4	1,140.98	3/4	816.11	3/4	512.59	3/4	231.80	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/30/2005 CL - SW
CALCULATED: 08/31/2005 CL
PRINTED: 08/31/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2005

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

The J. J. Mac



BARGE "KIRBY 28042"

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.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	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
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	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 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'-03" OFF CENTERLINE AND 43'-04" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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[Signature]



BARGE "KIRBY 28042"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,668.27	0	2,279.94	0	1,891.60	0	1,503.27	0	1,114.94	0	727.09	0	339.36	0		0		0	
1/4	2,660.18	1/4	2,271.85	1/4	1,883.51	1/4	1,495.18	1/4	1,106.85	1/4	719.02	1/4	331.28	1/4		1/4		1/4	
1/2	2,652.09	1/2	2,263.76	1/2	1,875.42	1/2	1,487.09	1/2	1,098.76	1/2	710.96	1/2	323.20	1/2		1/2		1/2	
3/4	2,644.00	3/4	2,255.67	3/4	1,867.33	3/4	1,479.00	3/4	1,090.67	3/4	702.89	3/4	315.12	3/4		3/4		3/4	
1	2,635.91	1	2,247.58	1	1,859.24	1	1,470.91	1	1,082.57	1	694.83	1	307.03	1		1		1	
1 1/4	2,627.82	1 1/4	2,239.49	1 1/4	1,851.15	1 1/4	1,462.82	1 1/4	1,074.48	1 1/4	686.76	1 1/4	298.96	1 1/4		1 1/4		1 1/4	
1 1/2	2,619.73	1 1/2	2,231.40	1 1/2	1,843.06	1 1/2	1,454.73	1 1/2	1,066.39	1 1/2	678.70	1 1/2	290.87	1 1/2		1 1/2		1 1/2	
3/4	2,611.64	3/4	2,223.31	3/4	1,834.97	3/4	1,446.64	3/4	1,058.30	3/4	670.63	3/4	282.79	3/4		3/4		3/4	
2	2,603.55	2	2,215.22	2	1,826.88	2	1,438.55	2	1,050.21	2	662.56	2	274.71	2		2		2	
2 1/4	2,595.46	2 1/4	2,207.13	2 1/4	1,818.79	2 1/4	1,430.46	2 1/4	1,042.12	2 1/4	654.50	2 1/4	266.63	2 1/4		2 1/4		2 1/4	
1 1/2	2,587.37	1 1/2	2,199.04	1 1/2	1,810.70	1 1/2	1,422.37	1 1/2	1,034.03	1 1/2	646.43	1 1/2	258.55	1 1/2		1 1/2		1 1/2	
3/4	2,579.28	3/4	2,190.95	3/4	1,802.61	3/4	1,414.28	3/4	1,025.94	3/4	638.36	3/4	250.46	3/4		3/4		3/4	
3	2,571.19	3	2,182.86	3	1,794.52	3	1,406.19	3	1,017.85	3	630.28	3	242.38	3		3		3	
1 1/4	2,563.10	1 1/4	2,174.77	1 1/4	1,786.43	1 1/4	1,398.10	1 1/4	1,009.76	1 1/4	622.21	1 1/4	234.30	1 1/4		1 1/4		1 1/4	
1 1/2	2,555.01	1 1/2	2,166.68	1 1/2	1,778.34	1 1/2	1,390.01	1 1/2	1,001.67	1 1/2	614.14	1 1/2	226.22	1 1/2		1 1/2		1 1/2	
3/4	2,546.92	3/4	2,158.58	3/4	1,770.25	3/4	1,381.92	3/4	993.58	3/4	606.05	3/4	218.14	3/4		3/4		3/4	
4	2,538.83	4	2,150.49	4	1,762.16	4	1,373.83	4	985.49	4	597.97	4	210.06	4		4		4	
1 1/4	2,530.74	1 1/4	2,142.40	1 1/4	1,754.07	1 1/4	1,365.74	1 1/4	977.40	1 1/4	589.89	1 1/4	201.97	1 1/4		1 1/4		1 1/4	
1 1/2	2,522.65	1 1/2	2,134.31	1 1/2	1,745.98	1 1/2	1,357.65	1 1/2	969.31	1 1/2	581.81	1 1/2	193.89	1 1/2		1 1/2		1 1/2	
3/4	2,514.56	3/4	2,126.22	3/4	1,737.89	3/4	1,349.56	3/4	961.22	3/4	573.73	3/4	185.81	3/4		3/4		3/4	
5	2,506.47	5	2,118.13	5	1,729.80	5	1,341.46	5	953.13	5	565.65	5	177.73	5		5		5	
1 1/4	2,498.38	1 1/4	2,110.04	1 1/4	1,721.71	1 1/4	1,333.37	1 1/4	945.04	1 1/4	557.56	1 1/4	169.65	1 1/4		1 1/4		1 1/4	
1 1/2	2,490.29	1 1/2	2,101.95	1 1/2	1,713.62	1 1/2	1,325.28	1 1/2	936.95	1 1/2	549.48	1 1/2	161.57	1 1/2		1 1/2		1 1/2	
3/4	2,482.20	3/4	2,093.86	3/4	1,705.53	3/4	1,317.19	3/4	928.86	3/4	541.40	3/4	153.48	3/4		3/4		3/4	
6	2,474.11	6	2,085.77	6	1,697.44	6	1,309.10	6	920.77	6	533.32	6	145.40	6		6		6	
1 1/4	2,466.02	1 1/4	2,077.68	1 1/4	1,689.35	1 1/4	1,301.01	1 1/4	912.68	1 1/4	525.24	1 1/4	137.32	1 1/4		1 1/4		1 1/4	
1 1/2	2,457.93	1 1/2	2,069.59	1 1/2	1,681.26	1 1/2	1,292.92	1 1/2	904.59	1 1/2	517.16	1 1/2	129.24	1 1/2		1 1/2		1 1/2	
3/4	2,449.84	3/4	2,061.50	3/4	1,673.17	3/4	1,284.83	3/4	896.51	3/4	509.07	3/4	121.16	3/4		3/4		3/4	
7	2,441.75	7	2,053.41	7	1,665.08	7	1,276.74	7	888.43	7	500.99	7	113.08	7		7		7	
1 1/4	2,433.66	1 1/4	2,045.32	1 1/4	1,656.99	1 1/4	1,268.65	1 1/4	880.35	1 1/4	492.91	1 1/4	104.99	1 1/4		1 1/4		1 1/4	
1 1/2	2,425.56	1 1/2	2,037.23	1 1/2	1,648.90	1 1/2	1,260.56	1 1/2	872.27	1 1/2	484.83	1 1/2	96.91	1 1/2		1 1/2		1 1/2	
3/4	2,417.47	3/4	2,029.14	3/4	1,640.81	3/4	1,252.47	3/4	864.21	3/4	476.75	3/4	88.83	3/4		3/4		3/4	
8	2,409.38	8	2,021.05	8	1,632.72	8	1,244.38	8	856.14	8	468.67	8	80.76	8		8		8	
1 1/4	2,401.29	1 1/4	2,012.96	1 1/4	1,624.63	1 1/4	1,236.29	1 1/4	848.08	1 1/4	460.59	1 1/4	72.67	1 1/4		1 1/4		1 1/4	
1 1/2	2,393.20	1 1/2	2,004.87	1 1/2	1,616.53	1 1/2	1,228.20	1 1/2	840.01	1 1/2	452.50	1 1/2	64.59	1 1/2		1 1/2		1 1/2	
3/4	2,385.11	3/4	1,996.78	3/4	1,608.44	3/4	1,220.11	3/4	831.95	3/4	444.42	3/4	57.52	3/4		3/4		3/4	
9	2,377.02	9	1,988.69	9	1,600.35	9	1,212.02	9	823.88	9	436.34	9	50.44	9		9		9	
1 1/4	2,368.93	1 1/4	1,980.60	1 1/4	1,592.26	1 1/4	1,203.93	1 1/4	815.81	1 1/4	428.26	1 1/4	43.37	1 1/4		1 1/4		1 1/4	
1 1/2	2,360.84	1 1/2	1,972.51	1 1/2	1,584.17	1 1/2	1,195.84	1 1/2	807.75	1 1/2	420.18	1 1/2	36.30	1 1/2		1 1/2		1 1/2	
3/4	2,352.75	3/4	1,964.42	3/4	1,576.08	3/4	1,187.75	3/4	799.68	3/4	412.10	3/4	31.25	3/4		3/4		3/4	
10	2,344.66	10	1,956.33	10	1,567.99	10	1,179.66	10	791.62	10	404.01	10	26.21	10		10		10	
1 1/4	2,336.57	1 1/4	1,948.24	1 1/4	1,559.90	1 1/4	1,171.57	1 1/4	783.55	1 1/4	395.93	1 1/4	21.16	1 1/4		1 1/4		1 1/4	
1 1/2	2,328.48	1 1/2	1,940.15	1 1/2	1,551.81	1 1/2	1,163.48	1 1/2	775.49	1 1/2	387.85	1 1/2	16.11	1 1/2		1 1/2		1 1/2	
3/4	2,320.39	3/4	1,932.06	3/4	1,543.72	3/4	1,155.39	3/4	767.42	3/4	379.77	3/4	11	3/4		3/4		3/4	
11	2,312.30	11	1,923.97	11	1,535.63	11	1,147.30	11	759.35	11	371.69	11	11	11		11		11	
1 1/4	2,304.21	1 1/4	1,915.88	1 1/4	1,527.54	1 1/4	1,139.21	1 1/4	751.29	1 1/4	363.61	1 1/4	1/4	1 1/4		1 1/4		1 1/4	
1 1/2	2,296.12	1 1/2	1,907.79	1 1/2	1,519.45	1 1/2	1,131.12	1 1/2	743.22	1 1/2	355.52	1 1/2	1/2	1 1/2		1 1/2		1 1/2	
3/4	2,288.03	3/4	1,899.70	3/4	1,511.36	3/4	1,123.03	3/4	735.16	3/4	347.44	3/4	3/4	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/30/2005 CL - SW
CALCULATED: 08/31/2005 CL
PRINTED: 08/31/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2005

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 28042"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/2"

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
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	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
13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-04" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77568

http://www.pmacorp.net

Paul J. Hannon



BARGE "KIRBY 28042"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	2,653.09	0	2,264.94	0	1,876.79	0	1,488.64	0	1,100.50	0	721.50	0	339.91	0	0	0	0	0	0
1/4	2,645.00	1/4	2,256.85	1/4	1,868.71	1/4	1,480.56	1/4	1,092.41	1/4	713.75	1/4	331.82	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,636.91	1/2	2,248.77	1/2	1,860.62	1/2	1,472.47	1/2	1,084.32	1/2	706.00	1/2	323.74	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,628.83	3/4	2,240.68	3/4	1,852.53	3/4	1,464.39	3/4	1,076.24	3/4	698.25	3/4	315.65	3/4	3/4	3/4	3/4	3/4	3/4
1	2,620.74	1	2,232.59	1	1,844.45	1	1,456.30	1	1,068.15	1	690.50	1	307.57	1	1	1	1	1	1
1/4	2,612.65	1/4	2,224.51	1/4	1,836.36	1/4	1,448.21	1/4	1,060.07	1/4	682.75	1/4	299.48	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,604.57	1/2	2,216.42	1/2	1,828.27	1/2	1,440.13	1/2	1,051.98	1/2	675.00	1/2	291.40	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,596.48	3/4	2,208.33	3/4	1,820.19	3/4	1,432.04	3/4	1,043.89	3/4	667.25	3/4	283.31	3/4	3/4	3/4	3/4	3/4	3/4
2	2,588.39	2	2,200.25	2	1,812.10	2	1,423.95	2	1,035.81	2	659.50	2	275.22	2	2	2	2	2	2
1/4	2,580.31	1/4	2,192.16	1/4	1,804.01	1/4	1,415.87	1/4	1,027.72	1/4	651.75	1/4	267.14	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,572.22	1/2	2,184.07	1/2	1,795.93	1/2	1,407.78	1/2	1,019.63	1/2	644.00	1/2	259.05	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,564.14	3/4	2,175.99	3/4	1,787.84	3/4	1,399.69	3/4	1,011.55	3/4	636.24	3/4	250.97	3/4	3/4	3/4	3/4	3/4	3/4
3	2,556.05	3	2,167.90	3	1,779.75	3	1,391.61	3	1,003.46	3	628.48	3	242.88	3	3	3	3	3	3
1/4	2,547.96	1/4	2,159.82	1/4	1,771.67	1/4	1,383.52	1/4	995.37	1/4	620.72	1/4	234.80	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,539.88	1/2	2,151.73	1/2	1,763.58	1/2	1,375.43	1/2	987.29	1/2	612.96	1/2	226.71	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,531.79	3/4	2,143.64	3/4	1,755.50	3/4	1,367.35	3/4	979.20	3/4	605.18	3/4	218.63	3/4	3/4	3/4	3/4	3/4	3/4
4	2,523.70	4	2,135.56	4	1,747.41	4	1,359.26	4	971.11	4	597.41	4	210.54	4	4	4	4	4	4
1/4	2,515.62	1/4	2,127.47	1/4	1,739.32	1/4	1,351.18	1/4	963.03	1/4	589.63	1/4	202.46	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,507.53	1/2	2,119.38	1/2	1,731.24	1/2	1,343.09	1/2	954.94	1/2	581.86	1/2	194.37	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,499.44	3/4	2,111.30	3/4	1,723.15	3/4	1,335.00	3/4	947.01	3/4	573.92	3/4	186.28	3/4	3/4	3/4	3/4	3/4	3/4
5	2,491.36	5	2,103.21	5	1,715.06	5	1,326.92	5	939.07	5	565.99	5	178.20	5	5	5	5	5	5
1/4	2,483.27	1/4	2,095.12	1/4	1,706.98	1/4	1,318.83	1/4	931.14	1/4	558.06	1/4	170.11	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,475.19	1/2	2,087.04	1/2	1,698.89	1/2	1,310.74	1/2	923.21	1/2	550.13	1/2	162.03	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,467.10	3/4	2,078.95	3/4	1,690.80	3/4	1,302.66	3/4	915.43	3/4	542.05	3/4	153.94	3/4	3/4	3/4	3/4	3/4	3/4
6	2,459.01	6	2,070.87	6	1,682.72	6	1,294.57	6	907.65	6	533.96	6	145.86	6	6	6	6	6	6
1/4	2,450.93	1/4	2,062.78	1/4	1,674.63	1/4	1,286.48	1/4	899.88	1/4	525.88	1/4	137.77	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,442.84	1/2	2,054.69	1/2	1,666.55	1/2	1,278.40	1/2	892.10	1/2	517.79	1/2	129.69	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,434.75	3/4	2,046.61	3/4	1,658.46	3/4	1,270.31	3/4	884.34	3/4	509.70	3/4	121.60	3/4	3/4	3/4	3/4	3/4	3/4
7	2,426.67	7	2,038.52	7	1,650.37	7	1,262.23	7	876.57	7	501.62	7	113.51	7	7	7	7	7	7
1/4	2,418.58	1/4	2,030.43	1/4	1,642.29	1/4	1,254.14	1/4	868.81	1/4	493.53	1/4	105.43	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,410.49	1/2	2,022.35	1/2	1,634.20	1/2	1,246.05	1/2	861.05	1/2	485.45	1/2	97.34	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,402.41	3/4	2,014.26	3/4	1,626.11	3/4	1,237.97	3/4	853.30	3/4	477.36	3/4	89.26	3/4	3/4	3/4	3/4	3/4	3/4
8	2,394.32	8	2,006.17	8	1,618.03	8	1,229.88	8	845.54	8	469.28	8	81.17	8	8	8	8	8	8
1/4	2,386.23	1/4	1,998.09	1/4	1,609.94	1/4	1,221.79	1/4	837.79	1/4	461.19	1/4	73.09	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,378.15	1/2	1,990.00	1/2	1,601.85	1/2	1,213.71	1/2	830.04	1/2	453.11	1/2	65.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,370.06	3/4	1,981.91	3/4	1,593.77	3/4	1,205.62	3/4	822.29	3/4	445.02	3/4	57.93	3/4	3/4	3/4	3/4	3/4	3/4
9	2,361.98	9	1,973.83	9	1,585.68	9	1,197.53	9	814.53	9	436.93	9	50.85	9	9	9	9	9	9
1/4	2,353.89	1/4	1,965.74	1/4	1,577.59	1/4	1,189.45	1/4	806.78	1/4	428.85	1/4	43.77	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,345.80	1/2	1,957.66	1/2	1,569.51	1/2	1,181.36	1/2	799.03	1/2	420.76	1/2	36.70	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,337.72	3/4	1,949.57	3/4	1,561.42	3/4	1,173.27	3/4	791.28	3/4	412.68	3/4	31.64	3/4	3/4	3/4	3/4	3/4	3/4
10	2,329.63	10	1,941.48	10	1,553.34	10	1,165.19	10	783.52	10	404.59	10	26.59	10	10	10	10	10	10
1/4	2,321.54	1/4	1,933.40	1/4	1,545.25	1/4	1,157.10	1/4	775.77	1/4	396.51	1/4	21.54	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,313.46	1/2	1,925.31	1/2	1,537.16	1/2	1,149.02	1/2	768.02	1/2	388.42	1/2	16.48	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,305.37	3/4	1,917.22	3/4	1,529.08	3/4	1,140.93	3/4	760.27	3/4	380.34	3/4	11.11	3/4	3/4	3/4	3/4	3/4	3/4
11	2,297.28	11	1,909.14	11	1,520.99	11	1,132.84	11	752.51	11	372.25	11	6.11	11	11	11	11	11	11
1/4	2,289.20	1/4	1,901.05	1/4	1,512.90	1/4	1,124.76	1/4	744.76	1/4	364.17	1/4	1.11	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,281.11	1/2	1,892.96	1/2	1,504.82	1/2	1,116.67	1/2	737.01	1/2	356.08	1/2	0.11	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,273.03	3/4	1,884.88	3/4	1,496.73	3/4	1,108.58	3/4	729.26	3/4	347.99	3/4	0.11	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/30/2005 CL - SW
CALCULATED: 08/31/2005 CL
PRINTED: 08/31/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2005

PRECISION MEASUREMENT
& ANALYSIS, INC.

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Pearland, Texas 77588
http://www.pimacorp.net

Paul J. MacCormack

BARGE "KIRBY 28042"

3 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

[illegible]

WARRANT FOR ARREST

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. (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 40'-05" FORWARD OF AFT BULKHEAD.

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BARGE "KIRBY 28042"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,483.03	0	2,121.81	0	1,760.58	0	1,399.36	0	1,038.38	0	677.71	0	316.50	0	0	0	0	0	0
1/4	2,475.50	1/4	2,114.28	1/4	1,753.06	1/4	1,391.83	1/4	1,030.88	1/4	670.19	1/4	308.98	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,467.98	1/2	2,106.75	1/2	1,745.53	1/2	1,384.31	1/2	1,023.38	1/2	662.66	1/2	301.45	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,460.45	3/4	2,099.23	3/4	1,738.00	3/4	1,376.78	3/4	1,015.88	3/4	655.14	3/4	293.93	3/4	3/4	3/4	3/4	3/4	3/4
1	2,452.93	1	2,091.70	1	1,730.48	1	1,369.26	1	1,008.38	1	647.61	1	286.40	1	1	1	1	1	1
1/4	2,445.40	1/4	2,084.18	1/4	1,722.95	1/4	1,361.73	1/4	1,000.88	1/4	640.09	1/4	278.88	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,437.88	1/2	2,076.65	1/2	1,715.43	1/2	1,354.20	1/2	993.38	1/2	632.56	1/2	271.35	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,430.35	3/4	2,069.13	3/4	1,707.90	3/4	1,346.68	3/4	985.88	3/4	625.04	3/4	263.83	3/4	3/4	3/4	3/4	3/4	3/4
2	2,422.83	2	2,061.60	2	1,700.38	2	1,339.15	2	978.38	2	617.51	2	256.30	2	2	2	2	2	2
1/4	2,415.30	1/4	2,054.08	1/4	1,692.85	1/4	1,331.63	1/4	970.88	1/4	609.99	1/4	248.78	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,407.77	1/2	2,046.55	1/2	1,685.33	1/2	1,324.10	1/2	963.38	1/2	602.46	1/2	241.25	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,400.25	3/4	2,039.02	3/4	1,677.80	3/4	1,316.58	3/4	955.88	3/4	594.94	3/4	233.73	3/4	3/4	3/4	3/4	3/4	3/4
3	2,392.72	3	2,031.50	3	1,670.28	3	1,309.05	3	948.38	3	587.41	3	226.20	3	3	3	3	3	3
1/4	2,385.20	1/4	2,023.97	1/4	1,662.75	1/4	1,301.53	1/4	940.87	1/4	579.89	1/4	218.68	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,377.67	1/2	2,016.45	1/2	1,655.22	1/2	1,294.00	1/2	933.37	1/2	572.36	1/2	211.15	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,370.15	3/4	2,008.92	3/4	1,647.70	3/4	1,286.47	3/4	925.87	3/4	564.84	3/4	203.63	3/4	3/4	3/4	3/4	3/4	3/4
4	2,362.62	4	2,001.40	4	1,640.17	4	1,278.95	4	918.37	4	557.31	4	196.10	4	4	4	4	4	4
1/4	2,355.10	1/4	1,993.87	1/4	1,632.65	1/4	1,271.42	1/4	910.87	1/4	549.79	1/4	188.58	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,347.57	1/2	1,986.35	1/2	1,625.12	1/2	1,263.90	1/2	903.37	1/2	542.26	1/2	181.05	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,340.04	3/4	1,978.82	3/4	1,617.60	3/4	1,256.37	3/4	895.87	3/4	534.74	3/4	173.53	3/4	3/4	3/4	3/4	3/4	3/4
5	2,332.52	5	1,971.30	5	1,610.07	5	1,248.85	5	888.37	5	527.21	5	166.00	5	5	5	5	5	5
1/4	2,324.99	1/4	1,963.77	1/4	1,602.55	1/4	1,241.32	1/4	880.87	1/4	519.68	1/4	158.48	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,317.47	1/2	1,956.24	1/2	1,595.02	1/2	1,233.80	1/2	873.37	1/2	512.16	1/2	150.95	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,309.94	3/4	1,948.72	3/4	1,587.49	3/4	1,226.27	3/4	865.84	3/4	504.63	3/4	143.42	3/4	3/4	3/4	3/4	3/4	3/4
6	2,302.42	6	1,941.19	6	1,579.97	6	1,218.75	6	858.32	6	497.11	6	135.90	6	6	6	6	6	6
1/4	2,294.89	1/4	1,933.67	1/4	1,572.44	1/4	1,211.22	1/4	850.79	1/4	489.58	1/4	128.37	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,287.37	1/2	1,926.14	1/2	1,564.92	1/2	1,203.69	1/2	843.27	1/2	482.06	1/2	120.85	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,279.84	3/4	1,918.62	3/4	1,557.39	3/4	1,196.17	3/4	835.74	3/4	474.53	3/4	113.32	3/4	3/4	3/4	3/4	3/4	3/4
7	2,272.32	7	1,911.09	7	1,549.87	7	1,188.64	7	828.22	7	467.01	7	105.80	7	7	7	7	7	7
1/4	2,264.79	1/4	1,903.57	1/4	1,542.34	1/4	1,181.12	1/4	820.69	1/4	459.48	1/4	98.27	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,257.26	1/2	1,896.04	1/2	1,534.82	1/2	1,173.59	1/2	813.17	1/2	451.96	1/2	90.75	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,249.74	3/4	1,888.51	3/4	1,527.29	3/4	1,166.07	3/4	805.64	3/4	444.43	3/4	83.22	3/4	3/4	3/4	3/4	3/4	3/4
8	2,242.21	8	1,880.99	8	1,519.77	8	1,158.54	8	798.12	8	436.91	8	75.70	8	8	8	8	8	8
1/4	2,234.69	1/4	1,873.46	1/4	1,512.24	1/4	1,151.02	1/4	790.59	1/4	429.38	1/4	68.17	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,227.16	1/2	1,865.94	1/2	1,504.71	1/2	1,143.49	1/2	783.07	1/2	421.86	1/2	60.65	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,219.64	3/4	1,858.41	3/4	1,497.19	3/4	1,135.96	3/4	775.54	3/4	414.33	3/4	54.06	3/4	3/4	3/4	3/4	3/4	3/4
9	2,212.11	9	1,850.89	9	1,489.66	9	1,128.44	9	768.02	9	406.81	9	47.48	9	9	9	9	9	9
1/4	2,204.59	1/4	1,843.36	1/4	1,482.14	1/4	1,120.91	1/4	760.49	1/4	399.28	1/4	40.89	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,197.06	1/2	1,835.84	1/2	1,474.61	1/2	1,113.39	1/2	752.97	1/2	391.76	1/2	34.31	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,189.53	3/4	1,828.31	3/4	1,467.09	3/4	1,105.89	3/4	745.44	3/4	384.23	3/4	29.60	3/4	3/4	3/4	3/4	3/4	3/4
10	2,182.01	10	1,820.79	10	1,459.56	10	1,098.39	10	737.92	10	376.71	10	24.90	10	10	10	10	10	10
1/4	2,174.48	1/4	1,813.26	1/4	1,452.04	1/4	1,090.89	1/4	730.39	1/4	369.18	1/4	20.20	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,166.96	1/2	1,805.73	1/2	1,444.51	1/2	1,083.39	1/2	722.87	1/2	361.66	1/2	15.49	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,159.43	3/4	1,798.21	3/4	1,436.98	3/4	1,075.89	3/4	715.34	3/4	354.13	3/4	11	3/4	3/4	3/4	3/4	3/4	3/4
11	2,151.91	11	1,790.68	11	1,429.46	11	1,068.38	11	707.81	11	346.61	11	11	11	11	11	11	11	11
1/4	2,144.38	1/4	1,783.16	1/4	1,421.93	1/4	1,060.88	1/4	700.29	1/4	339.08	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,136.86	1/2	1,775.63	1/2	1,414.41	1/2	1,053.38	1/2	692.76	1/2	331.55	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,129.33	3/4	1,768.11	3/4	1,406.88	3/4	1,045.88	3/4	685.24	3/4	324.03	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: 08/30/2005 CL - SW
CALCULATED: 08/31/2005 CL
PRINTED: 08/31/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2005

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77568
<http://www.pmacorp.net>



BARGE "KIRBY 28042"

3 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-10 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
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
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	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
13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	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

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPWS 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 40'-05" 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

Signature



BARGE "KIRBY 28042"

3 STBD ULLAGE TABLE

GAUGE HEIGHT 16'-10 1/2"

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.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	2,463.74	0	2,102.99	0	1,745.17	0	1,384.45	0	1,027.22	0	673.63	0	316.56	0	0	0	0	0	0
1/4	2,456.23	1/4	2,095.47	1/4	1,737.71	1/4	1,376.93	1/4	1,019.84	1/4	666.28	1/4	309.04	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,448.72	1/2	2,087.95	1/2	1,730.26	1/2	1,369.41	1/2	1,012.47	1/2	658.93	1/2	301.52	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,441.20	3/4	2,080.50	3/4	1,722.74	3/4	1,361.89	3/4	1,005.10	3/4	651.58	3/4	294.00	3/4	3/4	3/4	3/4	3/4	3/4
1	2,433.69	1	2,073.05	1	1,715.23	1	1,354.38	1	997.72	1	644.23	1	286.48	1	1	1	1	1	1
1/4	2,426.18	1/4	2,065.60	1/4	1,707.71	1/4	1,346.86	1/4	990.35	1/4	636.88	1/4	278.96	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,418.66	1/2	2,058.15	1/2	1,700.19	1/2	1,339.34	1/2	982.97	1/2	629.53	1/2	271.45	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,411.15	3/4	2,050.69	3/4	1,692.67	3/4	1,331.82	3/4	975.60	3/4	622.18	3/4	263.93	3/4	3/4	3/4	3/4	3/4	3/4
2	2,403.64	2	2,043.24	2	1,685.16	2	1,324.31	2	968.23	2	614.83	2	256.41	2	2	2	2	2	2
1/4	2,396.12	1/4	2,035.79	1/4	1,677.64	1/4	1,316.79	1/4	960.85	1/4	607.48	1/4	248.89	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,388.61	1/2	2,028.34	1/2	1,670.12	1/2	1,309.27	1/2	953.48	1/2	600.14	1/2	241.37	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,381.10	3/4	2,020.89	3/4	1,662.60	3/4	1,301.75	3/4	946.10	3/4	592.79	3/4	233.85	3/4	3/4	3/4	3/4	3/4	3/4
3	2,373.58	3	2,013.43	3	1,655.09	3	1,294.24	3	938.73	3	585.44	3	226.33	3	3	3	3	3	3
1/4	2,366.07	1/4	2,005.98	1/4	1,647.57	1/4	1,286.72	1/4	931.35	1/4	578.09	1/4	218.81	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,358.56	1/2	1,998.53	1/2	1,640.05	1/2	1,279.20	1/2	923.98	1/2	570.74	1/2	211.30	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,351.04	3/4	1,991.08	3/4	1,632.53	3/4	1,271.68	3/4	916.61	3/4	563.37	3/4	203.76	3/4	3/4	3/4	3/4	3/4	3/4
4	2,343.53	4	1,983.63	4	1,625.01	4	1,264.16	4	909.23	4	556.01	4	196.23	4	4	4	4	4	4
1/4	2,336.02	1/4	1,976.17	1/4	1,617.50	1/4	1,256.65	1/4	901.86	1/4	548.65	1/4	188.70	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,328.50	1/2	1,968.72	1/2	1,609.98	1/2	1,249.13	1/2	894.48	1/2	541.29	1/2	181.17	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,320.99	3/4	1,961.27	3/4	1,602.46	3/4	1,241.61	3/4	887.11	3/4	533.91	3/4	173.64	3/4	3/4	3/4	3/4	3/4	3/4
5	2,313.48	5	1,953.82	5	1,594.94	5	1,234.09	5	879.73	5	526.53	5	166.11	5	5	5	5	5	5
1/4	2,305.96	1/4	1,946.37	1/4	1,587.43	1/4	1,226.58	1/4	872.36	1/4	519.15	1/4	158.58	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,298.45	1/2	1,938.92	1/2	1,579.91	1/2	1,219.06	1/2	864.99	1/2	511.77	1/2	151.05	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,290.93	3/4	1,931.46	3/4	1,572.39	3/4	1,211.58	3/4	857.61	3/4	504.32	3/4	143.52	3/4	3/4	3/4	3/4	3/4	3/4
6	2,283.42	6	1,924.01	6	1,564.87	6	1,204.30	6	850.23	6	496.87	6	135.99	6	6	6	6	6	6
1/4	2,275.90	1/4	1,916.56	1/4	1,557.35	1/4	1,196.92	1/4	842.84	1/4	489.42	1/4	128.46	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,268.38	1/2	1,909.11	1/2	1,549.84	1/2	1,189.53	1/2	835.46	1/2	481.97	1/2	120.93	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,260.86	3/4	1,901.66	3/4	1,542.32	3/4	1,182.15	3/4	828.09	3/4	474.45	3/4	113.40	3/4	3/4	3/4	3/4	3/4	3/4
7	2,253.34	7	1,894.20	7	1,534.80	7	1,174.77	7	820.71	7	466.93	7	105.87	7	7	7	7	7	7
1/4	2,245.83	1/4	1,886.75	1/4	1,527.28	1/4	1,167.39	1/4	813.33	1/4	459.42	1/4	98.34	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,238.31	1/2	1,879.30	1/2	1,519.77	1/2	1,160.01	1/2	805.95	1/2	451.90	1/2	90.81	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,230.79	3/4	1,871.85	3/4	1,512.25	3/4	1,152.63	3/4	798.59	3/4	444.38	3/4	83.28	3/4	3/4	3/4	3/4	3/4	3/4
8	2,223.27	8	1,864.40	8	1,504.73	8	1,145.25	8	791.23	8	436.86	8	75.75	8	8	8	8	8	8
1/4	2,215.76	1/4	1,856.94	1/4	1,497.21	1/4	1,137.87	1/4	783.87	1/4	429.34	1/4	68.22	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,208.24	1/2	1,849.49	1/2	1,489.70	1/2	1,130.49	1/2	776.51	1/2	421.82	1/2	60.69	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,200.72	3/4	1,842.04	3/4	1,482.18	3/4	1,123.10	3/4	769.16	3/4	414.30	3/4	54.10	3/4	3/4	3/4	3/4	3/4	3/4
9	2,193.20	9	1,834.59	9	1,474.66	9	1,115.72	9	761.81	9	406.78	9	47.51	9	9	9	9	9	9
1/4	2,185.68	1/4	1,827.14	1/4	1,467.14	1/4	1,108.34	1/4	754.47	1/4	399.27	1/4	40.92	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,178.17	1/2	1,819.68	1/2	1,459.62	1/2	1,100.96	1/2	747.12	1/2	391.75	1/2	34.33	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,170.65	3/4	1,812.23	3/4	1,452.11	3/4	1,093.59	3/4	739.77	3/4	384.23	3/4	29.62	3/4	3/4	3/4	3/4	3/4	3/4
10	2,163.13	10	1,804.78	10	1,444.59	10	1,086.21	10	732.42	10	376.71	10	24.92	10	10	10	10	10	10
1/4	2,155.61	1/4	1,797.33	1/4	1,437.07	1/4	1,078.84	1/4	725.08	1/4	369.19	1/4	20.21	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,148.10	1/2	1,789.88	1/2	1,429.55	1/2	1,071.46	1/2	717.73	1/2	361.67	1/2	15.50	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,140.58	3/4	1,782.43	3/4	1,422.04	3/4	1,064.09	3/4	710.38	3/4	354.15	3/4	11	3/4	3/4	3/4	3/4	3/4	3/4
11	2,133.06	11	1,774.97	11	1,414.52	11	1,056.72	11	703.03	11	346.63	11	11	11	11	11	11	11	11
1/4	2,125.54	1/4	1,767.52	1/4	1,407.00	1/4	1,049.34	1/4	695.68	1/4	339.11	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,118.02	1/2	1,760.07	1/2	1,399.48	1/2	1,041.97	1/2	688.33	1/2	331.60	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,110.51	3/4	1,752.62	3/4	1,391.97	3/4	1,034.59	3/4	680.98	3/4	324.08	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: 08/30/2005 CL - SW
CALCULATED: 08/31/2005 CL
PRINTED: 08/31/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2005

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