



BARGE "KIRBY 28047"

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	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4
1 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4
2 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-1/2	00-1/2	- 00-5/8	00-5/8
2 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-7/8	00-7/8
3 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4
3 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 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 2 PORT IS 00-1/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/4"

LENGTH BETWEEN DRAFT MARKS: 237'-00"

August 1, 2006

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

<http://www.pmacorp.net>



BARGE "KIRBY 28047"

1 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 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	
0	1,991.91	0	1,660.56	0	1,329.20	0	998.09	0	680.95	0	386.87	0	116.37	0		0		0	
1/4	1,985.01	1/4	1,653.65	1/4	1,322.30	1/4	991.23	1/4	674.58	1/4	380.99	1/4	110.99	1/4	1/4	1/4		1/4	
1/2	1,978.11	1/2	1,646.75	1/2	1,315.40	1/2	984.38	1/2	668.21	1/2	375.11	1/2	105.60	1/2	1/2	1/2		1/2	
3/4	1,971.20	3/4	1,639.85	3/4	1,308.49	3/4	977.56	3/4	661.87	3/4	369.27	3/4	100.25	3/4	3/4	3/4		3/4	
1	1,964.30	1	1,632.95	1	1,301.59	1	970.74	1	655.54	1	363.43	1	94.91	1		1		1	
1/4	1,957.40	1/4	1,626.04	1/4	1,294.69	1/4	963.91	1/4	649.21	1/4	357.59	1/4	89.56	1/4	1/4	1/4		1/4	
1/2	1,950.49	1/2	1,619.14	1/2	1,287.79	1/2	957.09	1/2	642.88	1/2	351.75	1/2	84.21	1/2	1/2	1/2		1/2	
3/4	1,943.59	3/4	1,612.24	3/4	1,280.88	3/4	950.33	3/4	636.59	3/4	345.95	3/4	78.91	3/4	3/4	3/4		3/4	
2	1,936.69	2	1,605.33	2	1,273.98	2	943.56	2	630.30	2	340.15	2	73.60	2		2		2	
1/4	1,929.78	1/4	1,598.43	1/4	1,267.08	1/4	936.80	1/4	624.01	1/4	334.35	1/4	68.30	1/4	1/4	1/4		1/4	
1/2	1,922.88	1/2	1,591.53	1/2	1,260.17	1/2	930.03	1/2	617.72	1/2	328.55	1/2	63.00	1/2	1/2	1/2		1/2	
3/4	1,915.98	3/4	1,584.62	3/4	1,253.27	3/4	923.30	3/4	611.47	3/4	322.80	3/4	57.73	3/4	3/4	3/4		3/4	
3	1,909.07	3	1,577.72	3	1,246.37	3	916.58	3	605.22	3	317.04	3	52.47	3		3		3	
1/4	1,902.17	1/4	1,570.82	1/4	1,239.46	1/4	909.85	1/4	598.97	1/4	311.28	1/4	47.20	1/4	1/4	1/4		1/4	
1/2	1,895.27	1/2	1,563.91	1/2	1,232.56	1/2	903.13	1/2	592.72	1/2	305.52	1/2	41.93	1/2	1/2	1/2		1/2	
3/4	1,888.36	3/4	1,557.01	3/4	1,225.66	3/4	896.44	3/4	586.51	3/4	299.80	3/4	37.58	3/4	3/4	3/4		3/4	
4	1,881.46	4	1,550.11	4	1,218.75	4	889.76	4	580.30	4	294.09	4	33.22	4		4		4	
1/4	1,874.56	1/4	1,543.20	1/4	1,211.85	1/4	883.08	1/4	574.09	1/4	288.37	1/4	28.86	1/4	1/4	1/4		1/4	
1/2	1,867.65	1/2	1,536.30	1/2	1,204.95	1/2	876.39	1/2	567.88	1/2	282.65	1/2	24.50	1/2	1/2	1/2		1/2	
3/4	1,860.75	3/4	1,529.40	3/4	1,198.04	3/4	869.75	3/4	561.72	3/4	276.98	3/4	21.91	3/4	3/4	3/4		3/4	
5	1,853.85	5	1,522.49	5	1,191.14	5	863.11	5	555.55	5	271.30	5	19.32	5		5		5	
1/4	1,846.94	1/4	1,515.59	1/4	1,184.24	1/4	856.46	1/4	549.38	1/4	265.62	1/4	16.72	1/4	1/4	1/4		1/4	
1/2	1,840.04	1/2	1,508.69	1/2	1,177.33	1/2	849.82	1/2	543.21	1/2	259.94	1/2	14.13	1/2	1/2	1/2		1/2	
3/4	1,833.14	3/4	1,501.78	3/4	1,170.43	3/4	843.22	3/4	537.09	3/4	254.31	3/4		3/4	3/4	3/4		3/4	
6	1,826.23	6	1,494.88	6	1,163.53	6	836.61	6	530.96	6	248.68	6		6		6		6	
1/4	1,819.33	1/4	1,487.98	1/4	1,156.62	1/4	830.01	1/4	524.83	1/4	243.04	1/4		1/4	1/4	1/4		1/4	
1/2	1,812.43	1/2	1,481.07	1/2	1,149.72	1/2	823.41	1/2	518.71	1/2	237.41	1/2		1/2	1/2	1/2		1/2	
3/4	1,805.53	3/4	1,474.17	3/4	1,142.82	3/4	816.85	3/4	512.62	3/4	231.81	3/4		3/4	3/4	3/4		3/4	
7	1,798.62	7	1,467.27	7	1,135.91	7	810.29	7	506.54	7	226.22	7		7		7		7	
1/4	1,791.72	1/4	1,460.37	1/4	1,129.01	1/4	803.72	1/4	500.45	1/4	220.62	1/4		1/4	1/4	1/4		1/4	
1/2	1,784.82	1/2	1,453.46	1/2	1,122.11	1/2	797.16	1/2	494.36	1/2	215.02	1/2		1/2	1/2	1/2		1/2	
3/4	1,777.91	3/4	1,446.56	3/4	1,115.21	3/4	790.64	3/4	488.32	3/4	209.47	3/4		3/4	3/4	3/4		3/4	
8	1,771.01	8	1,439.66	8	1,108.30	8	784.12	8	482.27	8	203.92	8		8		8		8	
1/4	1,764.11	1/4	1,432.75	1/4	1,101.40	1/4	777.60	1/4	476.23	1/4	198.37	1/4		1/4	1/4	1/4		1/4	
1/2	1,757.20	1/2	1,425.85	1/2	1,094.50	1/2	771.08	1/2	470.19	1/2	192.82	1/2		1/2	1/2	1/2		1/2	
3/4	1,750.30	3/4	1,418.95	3/4	1,087.59	3/4	764.60	3/4	464.18	3/4	187.30	3/4		3/4	3/4	3/4		3/4	
9	1,743.40	9	1,412.04	9	1,080.69	9	758.12	9	458.18	9	181.79	9		9		9		9	
1/4	1,736.49	1/4	1,405.14	1/4	1,073.79	1/4	751.64	1/4	452.17	1/4	176.27	1/4		1/4	1/4	1/4		1/4	
1/2	1,729.59	1/2	1,398.24	1/2	1,066.89	1/2	745.16	1/2	446.17	1/2	170.76	1/2		1/2	1/2	1/2		1/2	
3/4	1,722.69	3/4	1,391.33	3/4	1,059.99	3/4	738.71	3/4	440.21	3/4	165.29	3/4		3/4	3/4	3/4		3/4	
10	1,715.78	10	1,384.43	10	1,053.10	10	732.26	10	434.24	10	159.82	10		10		10		10	
1/4	1,708.88	1/4	1,377.53	1/4	1,046.21	1/4	725.80	1/4	428.28	1/4	154.35	1/4		1/4	1/4	1/4		1/4	
1/2	1,701.98	1/2	1,370.62	1/2	1,039.31	1/2	719.35	1/2	422.32	1/2	148.88	1/2		1/2	1/2	1/2		1/2	
3/4	1,695.07	3/4	1,363.72	3/4	1,032.43	3/4	712.93	3/4	416.40	3/4	143.45	3/4		3/4	3/4	3/4		3/4	
11	1,688.17	11	1,356.82	11	1,025.55	11	706.52	11	410.48	11	138.01	11		11		11		11	
1/4	1,681.27	1/4	1,349.91	1/4	1,018.68	1/4	700.11	1/4	404.55	1/4	132.58	1/4		1/4	1/4	1/4		1/4	
1/2	1,674.36	1/2	1,343.01	1/2	1,011.80	1/2	693.69	1/2	398.63	1/2	127.15	1/2		1/2	1/2	1/2		1/2	
3/4	1,667.46	3/4	1,336.11	3/4	1,004.94	3/4	687.32	3/4	392.75	3/4	121.76	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2006 CL - SW
CALCULATED: 08/01/2006 CL
PRINTED: 08/01/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2006

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 28047"

1 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 3/8"

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	
0		0		0		0	4,216.48	0	3,928.25	0	3,625.85	0	3,309.48	0	2,980.64	0	2,649.35	0	2,318.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,210.59	1/4	3,922.12	1/4	3,619.41	1/4	3,302.75	1/4	2,973.74	1/4	2,642.45	1/4	2,311.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,204.69	1/2	3,915.98	1/2	3,612.95	1/2	3,296.01	1/2	2,966.84	1/2	2,635.55	1/2	2,304.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,198.79	3/4	3,909.83	3/4	3,606.48	3/4	3,289.26	3/4	2,959.94	3/4	2,628.65	3/4	2,297.33
1		1		1		1	4,192.88	1	3,903.67	1	3,600.00	1	3,282.51	1	2,953.04	1	2,621.74	1	2,290.42
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,186.97	1/4	3,897.52	1/4	3,593.53	1/4	3,275.76	1/4	2,946.13	1/4	2,614.84	1/4	2,283.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,181.05	1/2	3,891.35	1/2	3,587.05	1/2	3,268.99	1/2	2,939.23	1/2	2,607.94	1/2	2,276.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,175.12	3/4	3,885.17	3/4	3,580.55	3/4	3,262.21	3/4	2,932.33	3/4	2,601.04	3/4	2,269.71
2		2		2		2	4,169.19	2	3,878.99	2	3,574.06	2	3,255.43	2	2,925.43	2	2,594.14	2	2,262.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,163.26	1/4	3,872.81	1/4	3,567.57	1/4	3,248.65	1/4	2,918.53	1/4	2,587.24	1/4	2,255.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,157.31	1/2	3,866.62	1/2	3,561.06	1/2	3,241.86	1/2	2,911.62	1/2	2,580.33	1/2	2,249.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,151.35	3/4	3,860.42	3/4	3,554.55	3/4	3,235.06	3/4	2,904.72	3/4	2,573.43	3/4	2,242.10
3		3		3		3	4,145.40	3	3,854.22	3	3,548.03	3	3,228.26	3	2,897.82	3	2,566.53	3	2,235.20
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,139.44	1/4	3,848.02	1/4	3,541.52	1/4	3,221.46	1/4	2,890.92	1/4	2,559.63	1/4	2,228.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,133.49	1/2	3,841.79	1/2	3,534.99	1/2	3,214.65	1/2	2,884.02	1/2	2,552.73	1/2	2,221.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,127.54	3/4	3,835.53	3/4	3,528.45	3/4	3,207.83	3/4	2,877.12	3/4	2,545.82	3/4	2,214.49
4		4		4		4	4,121.60	4	3,829.27	4	3,521.91	4	3,201.00	4	2,870.21	4	2,538.92	4	2,207.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,115.65	1/4	3,823.01	1/4	3,515.36	1/4	3,194.18	1/4	2,863.31	1/4	2,532.02	1/4	2,200.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,109.70	1/2	3,816.74	1/2	3,508.81	1/2	3,187.35	1/2	2,856.41	1/2	2,525.12	1/2	2,193.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,103.73	3/4	3,810.46	3/4	3,502.25	3/4	3,180.50	3/4	2,849.51	3/4	2,518.22	3/4	2,186.88
5		5		5		5	4,097.76	5	3,804.18	5	3,495.69	5	3,173.65	5	2,842.61	5	2,511.31	5	2,179.97
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,091.80	1/4	3,797.89	1/4	3,489.12	1/4	3,166.80	1/4	2,835.70	1/4	2,504.41	1/4	2,173.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,085.82	1/2	3,791.60	1/2	3,482.54	1/2	3,159.94	1/2	2,828.80	1/2	2,497.51	1/2	2,166.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,079.82	3/4	3,785.29	3/4	3,475.95	3/4	3,153.07	3/4	2,821.90	3/4	2,490.61	3/4	2,159.26
6		6		6		6	4,073.83	6	3,778.99	6	3,469.36	6	3,146.20	6	2,815.00	6	2,483.71	6	2,152.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,067.84	1/4	3,772.68	1/4	3,462.77	1/4	3,139.33	1/4	2,808.10	1/4	2,476.81	1/4	2,145.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,061.83	1/2	3,766.36	1/2	3,456.16	1/2	3,132.45	1/2	2,801.19	1/2	2,469.90	1/2	2,138.55
3/4	3/4	3/4	7/8	3/4	3/4	3/4	4,352.01	3/4	4,055.82	3/4	3,760.03	3/4	3,449.55	3/4	3,125.56	3/4	2,794.29	3/4	2,463.00
7		7		7		7	4,349.42	7	4,049.80	7	3,753.69	7	3,442.94	7	3,118.67	7	2,787.39	7	2,456.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,344.24	1/4	4,043.79	1/4	3,747.36	1/4	3,436.33	1/4	3,111.77	1/4	2,780.49	1/4	2,449.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,338.20	1/2	4,037.76	1/2	3,741.01	1/2	3,429.71	1/2	3,104.88	1/2	2,773.59	1/2	2,442.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,331.30	3/4	4,031.72	3/4	3,734.66	3/4	3,423.07	3/4	3,097.98	3/4	2,766.68	3/4	2,435.39
8		8		8		8	4,324.40	8	4,025.67	8	3,728.31	8	3,416.44	8	3,091.07	8	2,759.78	8	2,428.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,317.49	1/4	4,019.63	1/4	3,721.95	1/4	3,409.81	1/4	3,084.17	1/4	2,752.88	1/4	2,421.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,310.59	1/2	4,013.58	1/2	3,715.59	1/2	3,403.16	1/2	3,077.27	1/2	2,745.98	1/2	2,414.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,303.69	3/4	4,007.52	3/4	3,709.21	3/4	3,396.50	3/4	3,070.37	3/4	2,739.08	3/4	2,407.78
9		9		9		9	4,296.78	9	4,001.46	9	3,702.84	9	3,389.84	9	3,063.47	9	2,732.18	9	2,400.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,289.88	1/4	3,995.39	1/4	3,696.46	1/4	3,383.18	1/4	3,056.56	1/4	2,725.27	1/4	2,393.97
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,282.98	1/2	3,989.32	1/2	3,690.07	1/2	3,376.50	1/2	3,049.66	1/2	2,718.37	1/2	2,387.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,276.08	3/4	3,983.24	3/4	3,683.67	3/4	3,369.82	3/4	3,042.76	3/4	2,711.47	3/4	2,380.17
10		10		10		10	4,269.17	10	3,977.15	10	3,677.26	10	3,363.14	10	3,035.86	10	2,704.57	10	2,373.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,262.27	1/4	3,971.07	1/4	3,670.86	1/4	3,356.46	1/4	3,028.96	1/4	2,697.67	1/4	2,366.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,255.37	1/2	3,964.97	1/2	3,664.45	1/2	3,349.77	1/2	3,022.06	1/2	2,690.76	1/2	2,359.46
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,248.46	3/4	3,958.86	3/4	3,658.02	3/4	3,343.06	3/4	3,015.15	3/4	2,683.86	3/4	2,352.55
11		11		11		11	4,241.56	11	3,952.75	11	3,651.60	11	3,336.36	11	3,008.25	11	2,676.96	11	2,345.65
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,234.66	1/4	3,946.64	1/4	3,645.18	1/4	3,329.66	1/4	3,001.35	1/4	2,670.06	1/4	2,338.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,228.26	1/2	3,940.52	1/2	3,638.74	1/2	3,322.94	1/2	2,994.45	1/2	2,663.16	1/2	2,331.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,222.37	3/4	3,934.39	3/4	3,632.30	3/4	3,316.21	3/4	2,987.55	3/4	2,656.25	3/4	2,324.94

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 37'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28047"

1 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 3/8"

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	1,986.68	0	1,655.33	0	1,323.98	0	992.96	0	677.75	0	383.92	0	113.68	0		0		0	
1/4	1,979.78	1/4	1,648.43	1/4	1,317.07	1/4	986.13	1/4	671.38	1/4	378.04	1/4	108.29	1/4		1/4		1/4	
1/2	1,972.88	1/2	1,641.52	1/2	1,310.17	1/2	979.33	1/2	665.03	1/2	372.18	1/2	102.93	1/2		1/2		1/2	
3/4	1,965.97	3/4	1,634.62	3/4	1,303.27	3/4	972.54	3/4	658.69	3/4	366.34	3/4	97.58	3/4		3/4		3/4	
1	1,959.07	1	1,627.72	1	1,296.36	1	965.76	1	652.36	1	360.50	1	92.23	1		1		1	
1/4	1,952.17	1/4	1,620.81	1/4	1,289.46	1/4	958.97	1/4	646.03	1/4	354.66	1/4	86.88	1/4		1/4		1/4	
1/2	1,945.26	1/2	1,613.91	1/2	1,282.56	1/2	952.22	1/2	639.72	1/2	348.84	1/2	81.55	1/2		1/2		1/2	
3/4	1,938.36	3/4	1,607.01	3/4	1,275.65	3/4	945.49	3/4	633.43	3/4	343.04	3/4	76.25	3/4		3/4		3/4	
2	1,931.46	2	1,600.10	2	1,268.75	2	938.76	2	627.14	2	337.24	2	70.95	2		2		2	
1/4	1,924.55	1/4	1,593.20	1/4	1,261.85	1/4	932.03	1/4	620.85	1/4	331.45	1/4	65.65	1/4		1/4		1/4	
1/2	1,917.65	1/2	1,586.30	1/2	1,254.94	1/2	925.33	1/2	614.58	1/2	325.67	1/2	60.36	1/2		1/2		1/2	
3/4	1,910.75	3/4	1,579.39	3/4	1,248.04	3/4	918.64	3/4	608.33	3/4	319.91	3/4	55.10	3/4		3/4		3/4	
3	1,903.85	3	1,572.49	3	1,241.14	3	911.95	3	602.08	3	314.15	3	49.83	3		3		3	
1/4	1,896.94	1/4	1,565.59	1/4	1,234.23	1/4	905.27	1/4	595.83	1/4	308.39	1/4	44.57	1/4		1/4		1/4	
1/2	1,890.04	1/2	1,558.69	1/2	1,227.33	1/2	898.60	1/2	589.60	1/2	302.65	1/2	39.75	1/2		1/2		1/2	
3/4	1,883.14	3/4	1,551.78	3/4	1,220.43	3/4	891.96	3/4	583.39	3/4	296.94	3/4	35.40	3/4		3/4		3/4	
4	1,876.23	4	1,544.88	4	1,213.53	4	885.31	4	577.19	4	291.22	4	31.04	4		4		4	
1/4	1,869.33	1/4	1,537.98	1/4	1,206.62	1/4	878.67	1/4	570.98	1/4	285.51	1/4	26.68	1/4		1/4		1/4	
1/2	1,862.43	1/2	1,531.07	1/2	1,199.72	1/2	872.04	1/2	564.79	1/2	279.81	1/2	23.21	1/2		1/2		1/2	
3/4	1,855.52	3/4	1,524.17	3/4	1,192.82	3/4	865.44	3/4	558.62	3/4	274.13	3/4	20.61	3/4		3/4		3/4	
5	1,848.62	5	1,517.27	5	1,185.91	5	858.83	5	552.45	5	268.45	5	18.02	5		5		5	
1/4	1,841.72	1/4	1,510.36	1/4	1,179.01	1/4	852.23	1/4	546.29	1/4	262.78	1/4	15.43	1/4		1/4		1/4	
1/2	1,834.81	1/2	1,503.46	1/2	1,172.11	1/2	845.64	1/2	540.14	1/2	257.12	1/2	14.13	1/2		1/2		1/2	
3/4	1,827.91	3/4	1,496.56	3/4	1,165.20	3/4	839.08	3/4	534.01	3/4	251.49	3/4		3/4		3/4		3/4	
6	1,821.01	6	1,489.65	6	1,158.30	6	832.52	6	527.89	6	245.85	6		6		6		6	
1/4	1,814.10	1/4	1,482.75	1/4	1,151.40	1/4	825.95	1/4	521.76	1/4	240.22	1/4		1/4		1/4		1/4	
1/2	1,807.20	1/2	1,475.85	1/2	1,144.49	1/2	819.41	1/2	515.66	1/2	234.61	1/2		1/2		1/2		1/2	
3/4	1,800.30	3/4	1,468.94	3/4	1,137.59	3/4	812.89	3/4	509.57	3/4	229.01	3/4		3/4		3/4		3/4	
7	1,793.39	7	1,462.04	7	1,130.69	7	806.36	7	503.48	7	223.41	7		7		7		7	
1/4	1,786.49	1/4	1,455.14	1/4	1,123.78	1/4	799.84	1/4	497.40	1/4	217.82	1/4		1/4		1/4		1/4	
1/2	1,779.59	1/2	1,448.23	1/2	1,116.88	1/2	793.34	1/2	491.33	1/2	212.24	1/2		1/2		1/2		1/2	
3/4	1,772.68	3/4	1,441.33	3/4	1,109.98	3/4	786.86	3/4	485.29	3/4	206.69	3/4		3/4		3/4		3/4	
8	1,765.78	8	1,434.43	8	1,103.07	8	780.37	8	479.24	8	201.14	8		8		8		8	
1/4	1,758.88	1/4	1,427.52	1/4	1,096.17	1/4	773.89	1/4	473.20	1/4	195.59	1/4		1/4		1/4		1/4	
1/2	1,751.97	1/2	1,420.62	1/2	1,089.27	1/2	767.43	1/2	467.18	1/2	190.06	1/2		1/2		1/2		1/2	
3/4	1,745.07	3/4	1,413.72	3/4	1,082.37	3/4	760.99	3/4	461.17	3/4	184.54	3/4		3/4		3/4		3/4	
9	1,738.17	9	1,406.81	9	1,075.46	9	754.55	9	455.17	9	179.03	9		9		9		9	
1/4	1,731.27	1/4	1,399.91	1/4	1,068.56	1/4	748.11	1/4	449.16	1/4	173.51	1/4		1/4		1/4		1/4	
1/2	1,724.36	1/2	1,393.01	1/2	1,061.66	1/2	741.68	1/2	443.18	1/2	168.02	1/2		1/2		1/2		1/2	
3/4	1,717.46	3/4	1,386.11	3/4	1,054.77	3/4	735.26	3/4	437.22	3/4	162.55	3/4		3/4		3/4		3/4	
10	1,710.56	10	1,379.20	10	1,047.88	10	728.84	10	431.26	10	157.08	10		10		10		10	
1/4	1,703.65	1/4	1,372.30	1/4	1,040.98	1/4	722.42	1/4	425.29	1/4	151.61	1/4		1/4		1/4		1/4	
1/2	1,696.75	1/2	1,365.40	1/2	1,034.10	1/2	716.02	1/2	419.35	1/2	146.16	1/2		1/2		1/2		1/2	
3/4	1,689.85	3/4	1,358.49	3/4	1,027.22	3/4	709.64	3/4	413.43	3/4	140.73	3/4		3/4		3/4		3/4	
11	1,682.94	11	1,351.59	11	1,020.34	11	703.26	11	407.51	11	135.29	11		11		11		11	
1/4	1,676.04	1/4	1,344.69	1/4	1,013.46	1/4	696.87	1/4	401.58	1/4	129.86	1/4		1/4		1/4		1/4	
1/2	1,669.14	1/2	1,337.78	1/2	1,006.61	1/2	690.49	1/2	395.68	1/2	124.45	1/2		1/2		1/2		1/2	
3/4	1,662.23	3/4	1,330.88	3/4	999.78	3/4	684.12	3/4	389.80	3/4	119.06	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2006 CL - SW
CALCULATED: 08/01/2006 CL
PRINTED: 08/01/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2006

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



BARGE "KIRBY 28047"

2 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,498.10	0	2,109.81	0	1,721.51	0	1,333.22	0	944.93	0	557.50	0	169.63	0		0		0	
1/4	2,490.01	1/4	2,101.72	1/4	1,713.42	1/4	1,325.13	1/4	936.84	1/4	549.42	1/4	161.55	1/4	1/4	1/4		1/4	1/4
1/2	2,481.92	1/2	2,093.63	1/2	1,705.34	1/2	1,317.04	1/2	928.75	1/2	541.34	1/2	153.47	1/2	1/2	1/2		1/2	1/2
3/4	2,473.83	3/4	2,085.54	3/4	1,697.25	3/4	1,308.95	3/4	920.66	3/4	533.26	3/4	145.39	3/4	3/4	3/4		3/4	3/4
1	2,465.74	1	2,077.45	1	1,689.16	1	1,300.87	1	912.57	1	525.18	1	137.31	1		1		1	
1/4	2,457.65	1/4	2,069.36	1/4	1,681.07	1/4	1,292.78	1/4	904.48	1/4	517.10	1/4	129.22	1/4	1/4	1/4		1/4	1/4
1/2	2,449.56	1/2	2,061.27	1/2	1,672.98	1/2	1,284.69	1/2	896.41	1/2	509.02	1/2	121.14	1/2	1/2	1/2		1/2	1/2
3/4	2,441.47	3/4	2,053.18	3/4	1,664.89	3/4	1,276.60	3/4	888.33	3/4	500.94	3/4	113.06	3/4	3/4	3/4		3/4	3/4
2	2,433.38	2	2,045.09	2	1,656.80	2	1,268.51	2	880.25	2	492.86	2	104.98	2		2		2	
1/4	2,425.29	1/4	2,037.00	1/4	1,648.71	1/4	1,260.42	1/4	872.18	1/4	484.78	1/4	96.90	1/4	1/4	1/4		1/4	1/4
1/2	2,417.20	1/2	2,028.91	1/2	1,640.62	1/2	1,252.33	1/2	864.11	1/2	476.70	1/2	88.82	1/2	1/2	1/2		1/2	1/2
3/4	2,409.11	3/4	2,020.82	3/4	1,632.53	3/4	1,244.24	3/4	856.05	3/4	468.61	3/4	80.74	3/4	3/4	3/4		3/4	3/4
3	2,401.02	3	2,012.73	3	1,624.44	3	1,236.15	3	847.98	3	460.53	3	72.66	3		3		3	
1/4	2,392.93	1/4	2,004.64	1/4	1,616.35	1/4	1,228.06	1/4	839.92	1/4	452.45	1/4	64.58	1/4	1/4	1/4		1/4	1/4
1/2	2,384.84	1/2	1,996.55	1/2	1,608.26	1/2	1,219.97	1/2	831.85	1/2	444.37	1/2	57.51	1/2	1/2	1/2		1/2	1/2
3/4	2,376.76	3/4	1,988.46	3/4	1,600.17	3/4	1,211.88	3/4	823.79	3/4	436.29	3/4	50.44	3/4	3/4	3/4		3/4	3/4
4	2,368.67	4	1,980.37	4	1,592.08	4	1,203.79	4	815.72	4	428.21	4	43.37	4		4		4	
1/4	2,360.58	1/4	1,972.29	1/4	1,583.99	1/4	1,195.70	1/4	807.66	1/4	420.13	1/4	36.30	1/4	1/4	1/4		1/4	1/4
1/2	2,352.49	1/2	1,964.20	1/2	1,575.90	1/2	1,187.61	1/2	799.59	1/2	412.05	1/2	31.25	1/2	1/2	1/2		1/2	1/2
3/4	2,344.40	3/4	1,956.11	3/4	1,567.82	3/4	1,179.52	3/4	791.53	3/4	403.97	3/4	26.20	3/4	3/4	3/4		3/4	3/4
5	2,336.31	5	1,948.02	5	1,559.73	5	1,171.43	5	783.46	5	395.89	5	21.16	5		5		5	
1/4	2,328.22	1/4	1,939.93	1/4	1,551.64	1/4	1,163.35	1/4	775.40	1/4	387.81	1/4	16.11	1/4	1/4	1/4		1/4	1/4
1/2	2,320.13	1/2	1,931.84	1/2	1,543.55	1/2	1,155.26	1/2	767.33	1/2	379.73	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,312.04	3/4	1,923.75	3/4	1,535.46	3/4	1,147.17	3/4	759.27	3/4	371.65	3/4		3/4	3/4	3/4		3/4	3/4
6	2,303.95	6	1,915.66	6	1,527.37	6	1,139.08	6	751.20	6	363.57	6	6	6		6		6	
1/4	2,295.86	1/4	1,907.57	1/4	1,519.28	1/4	1,130.99	1/4	743.14	1/4	355.48	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,287.77	1/2	1,899.48	1/2	1,511.19	1/2	1,122.90	1/2	735.07	1/2	347.40	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,279.68	3/4	1,891.39	3/4	1,503.10	3/4	1,114.81	3/4	727.01	3/4	339.32	3/4		3/4	3/4	3/4		3/4	3/4
7	2,271.59	7	1,883.30	7	1,495.01	7	1,106.72	7	718.94	7	331.24	7	7	7		7		7	
1/4	2,263.50	1/4	1,875.21	1/4	1,486.92	1/4	1,098.63	1/4	710.88	1/4	323.16	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,255.41	1/2	1,867.12	1/2	1,478.83	1/2	1,090.54	1/2	702.81	1/2	315.08	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,247.32	3/4	1,859.03	3/4	1,470.74	3/4	1,082.45	3/4	694.75	3/4	307.00	3/4		3/4	3/4	3/4		3/4	3/4
8	2,239.24	8	1,850.94	8	1,462.65	8	1,074.36	8	686.68	8	298.92	8	8	8		8		8	
1/4	2,231.15	1/4	1,842.85	1/4	1,454.56	1/4	1,066.27	1/4	678.62	1/4	290.84	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,223.06	1/2	1,834.77	1/2	1,446.47	1/2	1,058.18	1/2	670.55	1/2	282.76	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,214.97	3/4	1,826.68	3/4	1,438.38	3/4	1,050.09	3/4	662.49	3/4	274.68	3/4		3/4	3/4	3/4		3/4	3/4
9	2,206.88	9	1,818.59	9	1,430.30	9	1,042.00	9	654.42	9	266.60	9	9	9		9		9	
1/4	2,198.79	1/4	1,810.50	1/4	1,422.21	1/4	1,033.91	1/4	646.36	1/4	258.52	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,190.70	1/2	1,802.41	1/2	1,414.12	1/2	1,025.83	1/2	638.29	1/2	250.44	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,182.61	3/4	1,794.32	3/4	1,406.03	3/4	1,017.74	3/4	630.21	3/4	242.35	3/4		3/4	3/4	3/4		3/4	3/4
10	2,174.52	10	1,786.23	10	1,397.94	10	1,009.65	10	622.14	10	234.27	10	10	10		10		10	
1/4	2,166.43	1/4	1,778.14	1/4	1,389.85	1/4	1,001.56	1/4	614.07	1/4	226.19	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,158.34	1/2	1,770.05	1/2	1,381.76	1/2	993.47	1/2	605.99	1/2	218.11	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,150.25	3/4	1,761.96	3/4	1,373.67	3/4	985.38	3/4	597.91	3/4	210.03	3/4		3/4	3/4	3/4		3/4	3/4
11	2,142.16	11	1,753.87	11	1,365.58	11	977.29	11	589.82	11	201.95	11	11	11		11		11	
1/4	2,134.07	1/4	1,745.78	1/4	1,357.49	1/4	969.20	1/4	581.74	1/4	193.87	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,125.98	1/2	1,737.69	1/2	1,349.40	1/2	961.11	1/2	573.66	1/2	185.79	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,117.89	3/4	1,729.60	3/4	1,341.31	3/4	953.02	3/4	565.58	3/4	177.71	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2006 CL - SW
CALCULATED: 08/01/2006 CL
PRINTED: 08/01/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2006

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 28047"

2 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 3/8"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	5,101.01	0	4,764.23	0	4,410.22	0	4,039.42	0	3,654.01	0	3,265.71	0	2,877.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,094.11	1/4	4,757.08	1/4	4,402.67	1/4	4,031.53	1/4	3,645.92	1/4	3,257.63	1/4	2,869.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,087.19	1/2	4,749.91	1/2	4,395.10	1/2	4,023.63	1/2	3,637.83	1/2	3,249.54	1/2	2,861.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,080.27	3/4	4,742.73	3/4	4,387.51	3/4	4,015.72	3/4	3,629.74	3/4	3,241.45	3/4	2,853.11
1		1		1		1	5,073.34	1	4,735.55	1	4,379.93	1	4,007.81	1	3,621.65	1	3,233.36	1	2,845.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,066.41	1/4	4,728.37	1/4	4,372.34	1/4	3,999.90	1/4	3,613.56	1/4	3,225.27	1/4	2,836.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,059.47	1/2	4,721.17	1/2	4,364.74	1/2	3,991.97	1/2	3,605.47	1/2	3,217.18	1/2	2,828.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,052.52	3/4	4,713.96	3/4	4,357.13	3/4	3,984.02	3/4	3,597.38	3/4	3,209.09	3/4	2,820.74
2		2		2		2	5,045.57	2	4,706.75	2	4,349.52	2	3,976.07	2	3,589.29	2	3,201.00	2	2,812.65
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,038.61	1/4	4,699.53	1/4	4,341.91	1/4	3,968.12	1/4	3,581.21	1/4	3,192.91	1/4	2,804.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,031.65	1/2	4,692.31	1/2	4,334.29	1/2	3,960.16	1/2	3,573.12	1/2	3,184.82	1/2	2,796.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,024.66	3/4	4,685.07	3/4	4,326.65	3/4	3,952.19	3/4	3,565.03	3/4	3,176.73	3/4	2,788.37
3		3		3		3	5,017.68	3	4,677.83	3	4,319.01	3	3,944.22	3	3,556.94	3	3,168.64	3	2,780.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,010.70	1/4	4,670.60	1/4	4,311.38	1/4	3,936.25	1/4	3,548.85	1/4	3,160.55	1/4	2,772.19
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,003.73	1/2	4,663.31	1/2	4,303.73	1/2	3,928.27	1/2	3,540.76	1/2	3,152.46	1/2	2,764.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,996.80	3/4	4,655.98	3/4	4,296.06	3/4	3,920.28	3/4	3,532.67	3/4	3,144.37	3/4	2,756.01
4		4		4		4	4,989.86	4	4,648.64	4	4,288.39	4	3,912.28	4	3,524.58	4	3,136.28	4	2,747.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,982.92	1/4	4,641.31	1/4	4,280.73	1/4	3,904.29	1/4	3,516.49	1/4	3,128.19	1/4	2,739.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,975.97	1/2	4,633.96	1/2	4,273.05	1/2	3,896.28	1/2	3,508.40	1/2	3,120.10	1/2	2,731.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,969.01	3/4	4,626.59	3/4	4,265.35	3/4	3,888.25	3/4	3,500.31	3/4	3,112.01	3/4	2,723.64
5		5		5		5	4,962.04	5	4,619.23	5	4,257.66	5	3,880.22	5	3,492.22	5	3,103.92	5	2,715.55
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,955.08	1/4	4,611.86	1/4	4,249.97	1/4	3,872.19	1/4	3,484.13	1/4	3,095.84	1/4	2,707.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,948.10	1/2	4,604.49	1/2	4,242.26	1/2	3,864.15	1/2	3,476.04	1/2	3,087.75	1/2	2,699.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,941.11	3/4	4,597.10	3/4	4,234.53	3/4	3,856.10	3/4	3,467.95	3/4	3,079.66	3/4	2,691.27
6		6		6		6	4,934.11	6	4,589.71	6	4,226.81	6	3,848.05	6	3,459.86	6	3,071.57	6	2,683.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,927.12	1/4	4,582.31	1/4	4,219.08	1/4	3,840.00	1/4	3,451.77	1/4	3,063.48	1/4	2,675.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,920.11	1/2	4,574.91	1/2	4,211.34	1/2	3,831.93	1/2	3,443.68	1/2	3,055.39	1/2	2,667.00
3/4	3/4	3/4	7/8	3/4	5,259.87	3/4	4,913.09	3/4	4,567.48	3/4	4,203.59	3/4	3,823.85	3/4	3,435.59	3/4	3,047.30	3/4	2,658.90
7		7		7	5,256.84	7	4,906.08	7	4,560.06	7	4,195.84	7	3,815.78	7	3,427.50	7	3,039.21	7	2,650.81
1/4	1/4	1/4	1/4	1/4	5,250.77	1/4	4,899.06	1/4	4,552.63	1/4	4,188.09	1/4	3,807.70	1/4	3,419.42	1/4	3,031.12	1/4	2,642.72
1/2	1/2	1/2	1/2	1/2	5,243.69	1/2	4,892.02	1/2	4,545.20	1/2	4,180.33	1/2	3,799.62	1/2	3,411.33	1/2	3,023.04	1/2	2,634.63
3/4	3/4	3/4	3/4	3/4	5,235.60	3/4	4,884.97	3/4	4,537.75	3/4	4,172.56	3/4	3,791.53	3/4	3,403.24	3/4	3,014.94	3/4	2,626.54
8		8		8	5,227.51	8	4,877.92	8	4,530.30	8	4,164.78	8	3,783.44	8	3,395.15	8	3,006.85	8	2,618.45
1/4	1/4	1/4	1/4	1/4	5,219.42	1/4	4,870.87	1/4	4,522.86	1/4	4,157.01	1/4	3,775.35	1/4	3,387.06	1/4	2,998.76	1/4	2,610.35
1/2	1/2	1/2	1/2	1/2	5,211.32	1/2	4,863.80	1/2	4,515.40	1/2	4,149.22	1/2	3,767.26	1/2	3,378.97	1/2	2,990.67	1/2	2,602.26
3/4	3/4	3/4	3/4	3/4	5,203.23	3/4	4,856.73	3/4	4,507.92	3/4	4,141.41	3/4	3,759.17	3/4	3,370.88	3/4	2,982.58	3/4	2,594.17
9		9		9	5,195.14	9	4,849.66	9	4,500.45	9	4,133.60	9	3,751.08	9	3,362.79	9	2,974.49	9	2,586.08
1/4	1/4	1/4	1/4	1/4	5,187.05	1/4	4,842.58	1/4	4,492.98	1/4	4,125.80	1/4	3,743.00	1/4	3,354.70	1/4	2,966.39	1/4	2,577.99
1/2	1/2	1/2	1/2	1/2	5,178.96	1/2	4,835.50	1/2	4,485.49	1/2	4,117.98	1/2	3,734.91	1/2	3,346.61	1/2	2,958.30	1/2	2,569.90
3/4	3/4	3/4	3/4	3/4	5,170.87	3/4	4,828.40	3/4	4,477.99	3/4	4,110.14	3/4	3,726.82	3/4	3,338.52	3/4	2,950.21	3/4	2,561.80
10		10		10	5,162.77	10	4,821.30	10	4,470.48	10	4,102.31	10	3,718.73	10	3,330.43	10	2,942.12	10	2,553.71
1/4	1/4	1/4	1/4	1/4	5,154.68	1/4	4,814.20	1/4	4,462.98	1/4	4,094.48	1/4	3,710.64	1/4	3,322.34	1/4	2,934.03	1/4	2,545.62
1/2	1/2	1/2	1/2	1/2	5,146.59	1/2	4,807.08	1/2	4,455.46	1/2	4,086.64	1/2	3,702.55	1/2	3,314.25	1/2	2,925.93	1/2	2,537.53
3/4	3/4	3/4	3/4	3/4	5,138.50	3/4	4,799.95	3/4	4,447.93	3/4	4,078.78	3/4	3,694.46	3/4	3,306.16	3/4	2,917.84	3/4	2,529.44
11		11		11	5,130.41	11	4,792.82	11	4,440.40	11	4,070.93	11	3,686.37	11	3,298.07	11	2,909.75	11	2,521.34
1/4	1/4	1/4	1/4	1/4	5,122.31	1/4	4,785.69	1/4	4,432.87	1/4	4,063.07	1/4	3,678.28	1/4	3,289.98	1/4	2,901.66	1/4	2,513.25
1/2	1/2	1/2	1/2	1/2	5,114.82	1/2	4,778.54	1/2	4,425.33	1/2	4,055.20	1/2	3,670.19	1/2	3,281.89	1/2	2,893.57	1/2	2,505.16
3/4	3/4	3/4	3/4	3/4	5,107.91	3/4	4,771.39	3/4	4,417.78	3/4	4,047.31	3/4	3,662.10	3/4	3,273.80	3/4	2,885.48	3/4	2,497.07

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-10" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28047"

2 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 3/8"

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	
0	2,488.98	0	2,100.57	0	1,712.16	0	1,323.76	0	935.73	0	562.40	0	174.27	0		0		0	
1/4	2,480.89	1/4	2,092.48	1/4	1,704.07	1/4	1,315.67	1/4	927.79	1/4	554.47	1/4	166.18	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,472.79	1/2	2,084.39	1/2	1,695.98	1/2	1,307.57	1/2	919.93	1/2	546.45	1/2	158.09	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,464.70	3/4	2,076.30	3/4	1,687.89	3/4	1,299.48	3/4	912.15	3/4	538.36	3/4	150.00	3/4	3/4	3/4	3/4	3/4	3/4
1	2,456.61	1	2,068.20	1	1,679.80	1	1,291.39	1	904.37	1	530.27	1	141.91	1		1		1	
1/4	2,448.52	1/4	2,060.11	1/4	1,671.71	1/4	1,283.30	1/4	896.59	1/4	522.18	1/4	133.82	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,440.43	1/2	2,052.02	1/2	1,663.61	1/2	1,275.21	1/2	888.81	1/2	514.09	1/2	125.73	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,432.33	3/4	2,043.93	3/4	1,655.52	3/4	1,267.12	3/4	881.04	3/4	506.00	3/4	117.64	3/4	3/4	3/4	3/4	3/4	3/4
2	2,424.24	2	2,035.84	2	1,647.43	2	1,259.02	2	873.27	2	497.91	2	109.55	2		2		2	
1/4	2,416.15	1/4	2,027.74	1/4	1,639.34	1/4	1,250.93	1/4	865.51	1/4	489.82	1/4	101.45	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,408.06	1/2	2,019.65	1/2	1,631.25	1/2	1,242.84	1/2	857.74	1/2	481.73	1/2	93.36	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,399.97	3/4	2,011.56	3/4	1,623.15	3/4	1,234.75	3/4	849.99	3/4	473.64	3/4	85.27	3/4	3/4	3/4	3/4	3/4	3/4
3	2,391.88	3	2,003.47	3	1,615.06	3	1,226.66	3	842.23	3	465.54	3	77.18	3		3		3	
1/4	2,383.78	1/4	1,995.38	1/4	1,606.97	1/4	1,218.56	1/4	834.47	1/4	457.45	1/4	69.09	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,375.69	1/2	1,987.29	1/2	1,598.88	1/2	1,210.47	1/2	826.71	1/2	449.36	1/2	61.50	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,367.60	3/4	1,979.19	3/4	1,590.79	3/4	1,202.38	3/4	818.96	3/4	441.27	3/4	54.42	3/4	3/4	3/4	3/4	3/4	3/4
4	2,359.51	4	1,971.10	4	1,582.70	4	1,194.29	4	811.20	4	433.18	4	47.34	4		4		4	
1/4	2,351.42	1/4	1,963.01	1/4	1,574.60	1/4	1,186.20	1/4	803.44	1/4	425.09	1/4	40.26	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,343.32	1/2	1,954.92	1/2	1,566.51	1/2	1,178.11	1/2	795.68	1/2	417.00	1/2	34.19	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,335.23	3/4	1,946.83	3/4	1,558.42	3/4	1,170.01	3/4	787.93	3/4	408.91	3/4	29.14	3/4	3/4	3/4	3/4	3/4	3/4
5	2,327.14	5	1,938.73	5	1,550.33	5	1,161.92	5	780.17	5	400.82	5	24.08	5		5		5	
1/4	2,319.05	1/4	1,930.64	1/4	1,542.24	1/4	1,153.83	1/4	772.41	1/4	392.73	1/4	19.02	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,310.96	1/2	1,922.55	1/2	1,534.14	1/2	1,145.74	1/2	764.65	1/2	384.64	1/2	16.49	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,302.87	3/4	1,914.46	3/4	1,526.05	3/4	1,137.65	3/4	756.90	3/4	376.54	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,294.77	6	1,906.37	6	1,517.96	6	1,129.55	6	749.14	6	368.45	6		6		6		6	
1/4	2,286.68	1/4	1,898.28	1/4	1,509.87	1/4	1,121.46	1/4	741.38	1/4	360.36	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,278.59	1/2	1,890.18	1/2	1,501.78	1/2	1,113.37	1/2	733.62	1/2	352.27	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,270.50	3/4	1,882.09	3/4	1,493.69	3/4	1,105.28	3/4	725.87	3/4	344.18	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	2,262.41	7	1,874.00	7	1,485.59	7	1,097.19	7	718.11	7	336.09	7		7		7		7	
1/4	2,254.31	1/4	1,865.91	1/4	1,477.50	1/4	1,089.10	1/4	710.35	1/4	328.00	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,246.22	1/2	1,857.82	1/2	1,469.41	1/2	1,081.00	1/2	702.59	1/2	319.91	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,238.13	3/4	1,849.72	3/4	1,461.32	3/4	1,072.91	3/4	694.84	3/4	311.82	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	2,230.04	8	1,841.63	8	1,453.23	8	1,064.82	8	687.08	8	303.73	8		8		8		8	
1/4	2,221.95	1/4	1,833.54	1/4	1,445.13	1/4	1,056.73	1/4	679.33	1/4	295.64	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,213.86	1/2	1,825.45	1/2	1,437.04	1/2	1,048.64	1/2	671.57	1/2	287.55	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,205.76	3/4	1,817.36	3/4	1,428.95	3/4	1,040.54	3/4	663.82	3/4	279.45	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,197.67	9	1,809.27	9	1,420.86	9	1,032.45	9	656.06	9	271.36	9		9		9		9	
1/4	2,189.58	1/4	1,801.17	1/4	1,412.77	1/4	1,024.36	1/4	648.31	1/4	263.27	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,181.49	1/2	1,793.08	1/2	1,404.68	1/2	1,016.27	1/2	640.54	1/2	255.18	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,173.40	3/4	1,784.99	3/4	1,396.58	3/4	1,008.18	3/4	632.78	3/4	247.09	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,165.31	10	1,776.90	10	1,388.49	10	1,000.09	10	625.01	10	239.00	10		10		10		10	
1/4	2,157.21	1/4	1,768.81	1/4	1,380.40	1/4	991.99	1/4	617.25	1/4	230.91	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,149.12	1/2	1,760.72	1/2	1,372.31	1/2	983.90	1/2	609.48	1/2	222.82	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,141.03	3/4	1,752.62	3/4	1,364.22	3/4	975.81	3/4	601.70	3/4	214.73	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,132.94	11	1,744.53	11	1,356.13	11	967.72	11	593.92	11	206.64	11		11		11		11	
1/4	2,124.85	1/4	1,736.44	1/4	1,348.03	1/4	959.63	1/4	586.14	1/4	198.55	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,116.75	1/2	1,728.35	1/2	1,339.94	1/2	951.61	1/2	578.28	1/2	190.45	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,108.66	3/4	1,720.26	3/4	1,331.85	3/4	943.67	3/4	570.34	3/4	182.36	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2006 CL - SW
CALCULATED: 08/01/2006 CL
PRINTED: 08/01/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2006

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



BARGE "KIRBY 28047"

3 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,327.40	0	1,965.80	0	1,604.20	0	1,242.61	0	881.78	0	520.22	0	158.64	0		0		0	
1/4	2,319.87	1/4	1,958.27	1/4	1,596.67	1/4	1,235.07	1/4	874.27	1/4	512.69	1/4	151.11	1/4		1/4		1/4	
1/2	2,312.33	1/2	1,950.74	1/2	1,589.14	1/2	1,227.54	1/2	866.74	1/2	505.16	1/2	143.57	1/2		1/2		1/2	
3/4	2,304.80	3/4	1,943.20	3/4	1,581.60	3/4	1,220.01	3/4	859.21	3/4	497.62	3/4	136.04	3/4		3/4		3/4	
1	2,297.27	1	1,935.67	1	1,574.07	1	1,212.47	1	851.68	1	490.09	1	128.51	1		1		1	
1/4	2,289.73	1/4	1,928.14	1/4	1,566.54	1/4	1,204.94	1/4	844.14	1/4	482.56	1/4	120.97	1/4		1/4		1/4	
1/2	2,282.20	1/2	1,920.60	1/2	1,559.00	1/2	1,197.41	1/2	836.61	1/2	475.03	1/2	113.44	1/2		1/2		1/2	
3/4	2,274.67	3/4	1,913.07	3/4	1,551.47	3/4	1,189.87	3/4	829.08	3/4	467.49	3/4	105.91	3/4		3/4		3/4	
2	2,267.13	2	1,905.54	2	1,543.94	2	1,182.34	2	821.54	2	459.96	2	98.38	2		2		2	
1/4	2,259.60	1/4	1,898.00	1/4	1,536.40	1/4	1,174.81	1/4	814.01	1/4	452.43	1/4	90.84	1/4		1/4		1/4	
1/2	2,252.07	1/2	1,890.47	1/2	1,528.87	1/2	1,167.27	1/2	806.48	1/2	444.89	1/2	83.31	1/2		1/2		1/2	
3/4	2,244.53	3/4	1,882.94	3/4	1,521.34	3/4	1,159.74	3/4	798.94	3/4	437.36	3/4	75.78	3/4		3/4		3/4	
3	2,237.00	3	1,875.40	3	1,513.80	3	1,152.21	3	791.41	3	429.83	3	68.24	3		3		3	
1/4	2,229.47	1/4	1,867.87	1/4	1,506.27	1/4	1,144.67	1/4	783.88	1/4	422.29	1/4	60.71	1/4		1/4		1/4	
1/2	2,221.94	1/2	1,860.34	1/2	1,498.74	1/2	1,137.14	1/2	776.35	1/2	414.76	1/2	54.12	1/2		1/2		1/2	
3/4	2,214.40	3/4	1,852.80	3/4	1,491.20	3/4	1,129.61	3/4	768.81	3/4	407.23	3/4	47.53	3/4		3/4		3/4	
4	2,206.87	4	1,845.27	4	1,483.67	4	1,122.07	4	761.28	4	399.70	4	40.93	4		4		4	
1/4	2,199.34	1/4	1,837.74	1/4	1,476.14	1/4	1,114.54	1/4	753.75	1/4	392.16	1/4	34.34	1/4		1/4		1/4	
1/2	2,191.80	1/2	1,830.20	1/2	1,468.61	1/2	1,107.03	1/2	746.21	1/2	384.63	1/2	29.63	1/2		1/2		1/2	
3/4	2,184.27	3/4	1,822.67	3/4	1,461.07	3/4	1,099.52	3/4	738.68	3/4	377.10	3/4	24.93	3/4		3/4		3/4	
5	2,176.74	5	1,815.14	5	1,453.54	5	1,092.02	5	731.15	5	369.56	5	20.22	5		5		5	
1/4	2,169.20	1/4	1,807.60	1/4	1,446.01	1/4	1,084.51	1/4	723.61	1/4	362.03	1/4	15.51	1/4		1/4		1/4	
1/2	2,161.67	1/2	1,800.07	1/2	1,438.47	1/2	1,077.00	1/2	716.08	1/2	354.50	1/2		1/2		1/2		1/2	
3/4	2,154.14	3/4	1,792.54	3/4	1,430.94	3/4	1,069.49	3/4	708.55	3/4	346.96	3/4		3/4		3/4		3/4	
6	2,146.60	6	1,785.00	6	1,423.41	6	1,061.98	6	701.02	6	339.43	6	6	6		6		6	
1/4	2,139.07	1/4	1,777.47	1/4	1,415.87	1/4	1,054.47	1/4	693.48	1/4	331.90	1/4		1/4		1/4		1/4	
1/2	2,131.54	1/2	1,769.94	1/2	1,408.34	1/2	1,046.97	1/2	685.95	1/2	324.37	1/2		1/2		1/2		1/2	
3/4	2,124.00	3/4	1,762.40	3/4	1,400.81	3/4	1,039.46	3/4	678.42	3/4	316.83	3/4		3/4		3/4		3/4	
7	2,116.47	7	1,754.87	7	1,393.27	7	1,031.95	7	670.88	7	309.30	7	7	7		7		7	
1/4	2,108.94	1/4	1,747.34	1/4	1,385.74	1/4	1,024.44	1/4	663.35	1/4	301.77	1/4		1/4		1/4		1/4	
1/2	2,101.40	1/2	1,739.80	1/2	1,378.21	1/2	1,016.93	1/2	655.82	1/2	294.23	1/2		1/2		1/2		1/2	
3/4	2,093.87	3/4	1,732.27	3/4	1,370.67	3/4	1,009.42	3/4	648.28	3/4	286.70	3/4		3/4		3/4		3/4	
8	2,086.34	8	1,724.74	8	1,363.14	8	1,001.92	8	640.75	8	279.17	8	8	8		8		8	
1/4	2,078.80	1/4	1,717.20	1/4	1,355.61	1/4	994.41	1/4	633.22	1/4	271.63	1/4		1/4		1/4		1/4	
1/2	2,071.27	1/2	1,709.67	1/2	1,348.07	1/2	986.90	1/2	625.69	1/2	264.10	1/2		1/2		1/2		1/2	
3/4	2,063.74	3/4	1,702.14	3/4	1,340.54	3/4	979.39	3/4	618.15	3/4	256.57	3/4		3/4		3/4		3/4	
9	2,056.20	9	1,694.60	9	1,333.01	9	971.88	9	610.62	9	249.04	9	9	9		9		9	
1/4	2,048.67	1/4	1,687.07	1/4	1,325.47	1/4	964.37	1/4	603.09	1/4	241.50	1/4		1/4		1/4		1/4	
1/2	2,041.14	1/2	1,679.54	1/2	1,317.94	1/2	956.87	1/2	595.55	1/2	233.97	1/2		1/2		1/2		1/2	
3/4	2,033.60	3/4	1,672.00	3/4	1,310.41	3/4	949.36	3/4	588.02	3/4	226.44	3/4		3/4		3/4		3/4	
10	2,026.07	10	1,664.47	10	1,302.87	10	941.85	10	580.49	10	218.90	10	10	10		10		10	
1/4	2,018.54	1/4	1,656.94	1/4	1,295.34	1/4	934.34	1/4	572.95	1/4	211.37	1/4		1/4		1/4		1/4	
1/2	2,011.00	1/2	1,649.40	1/2	1,287.81	1/2	926.83	1/2	565.42	1/2	203.84	1/2		1/2		1/2		1/2	
3/4	2,003.47	3/4	1,641.87	3/4	1,280.27	3/4	919.32	3/4	557.89	3/4	196.30	3/4		3/4		3/4		3/4	
11	1,995.94	11	1,634.34	11	1,272.74	11	911.82	11	550.36	11	188.77	11	11	11		11		11	
1/4	1,988.40	1/4	1,626.80	1/4	1,265.21	1/4	904.31	1/4	542.82	1/4	181.24	1/4		1/4		1/4		1/4	
1/2	1,980.87	1/2	1,619.27	1/2	1,257.67	1/2	896.80	1/2	535.29	1/2	173.71	1/2		1/2		1/2		1/2	
3/4	1,973.34	3/4	1,611.74	3/4	1,250.14	3/4	889.29	3/4	527.76	3/4	166.17	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2006 CL - SW
CALCULATED: 08/01/2006 CL
PRINTED: 08/01/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2006

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



BARGE "KIRBY 28047"

3 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 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	
0	2,314.17	0	1,954.40	0	1,595.42	0	1,234.46	0	880.00	0	526.69	0	166.16	0		0		0	
1/4	2,306.65	1/4	1,946.95	1/4	1,587.90	1/4	1,226.94	1/4	872.62	1/4	519.31	1/4	158.63	1/4	1/4		1/4	1/4	1/4
1/2	2,299.14	1/2	1,939.50	1/2	1,580.38	1/2	1,219.42	1/2	865.24	1/2	511.92	1/2	151.10	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,291.62	3/4	1,932.04	3/4	1,572.86	3/4	1,212.04	3/4	857.86	3/4	504.47	3/4	143.56	3/4	3/4	3/4	3/4	3/4	3/4
1	2,284.10	1	1,924.59	1	1,565.34	1	1,204.65	1	850.48	1	497.02	1	136.03	1		1		1	
1/4	2,276.58	1/4	1,917.13	1/4	1,557.82	1/4	1,197.27	1/4	843.10	1/4	489.57	1/4	128.50	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,269.06	1/2	1,909.68	1/2	1,550.30	1/2	1,189.89	1/2	835.71	1/2	482.12	1/2	120.97	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,261.54	3/4	1,902.23	3/4	1,542.78	3/4	1,182.50	3/4	828.33	3/4	474.59	3/4	113.43	3/4	3/4	3/4	3/4	3/4	3/4
2	2,254.02	2	1,894.77	2	1,535.26	2	1,175.12	2	820.95	2	467.07	2	105.90	2		2		2	
1/4	2,246.50	1/4	1,887.32	1/4	1,527.74	1/4	1,167.74	1/4	813.57	1/4	459.55	1/4	98.37	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,238.98	1/2	1,879.86	1/2	1,520.22	1/2	1,160.35	1/2	806.19	1/2	452.03	1/2	90.84	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,231.46	3/4	1,872.41	3/4	1,512.70	3/4	1,152.97	3/4	798.83	3/4	444.51	3/4	83.30	3/4	3/4	3/4	3/4	3/4	3/4
3	2,223.94	3	1,864.95	3	1,505.18	3	1,145.59	3	791.47	3	436.99	3	75.77	3		3		3	
1/4	2,216.42	1/4	1,857.50	1/4	1,497.66	1/4	1,138.20	1/4	784.10	1/4	429.47	1/4	68.24	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,208.90	1/2	1,850.05	1/2	1,490.14	1/2	1,130.82	1/2	776.74	1/2	421.95	1/2	60.71	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,201.38	3/4	1,842.59	3/4	1,482.62	3/4	1,123.44	3/4	769.39	3/4	414.43	3/4	54.11	3/4	3/4	3/4	3/4	3/4	3/4
4	2,193.86	4	1,835.14	4	1,475.10	4	1,116.05	4	762.04	4	406.91	4	47.52	4		4		4	
1/4	2,186.34	1/4	1,827.68	1/4	1,467.58	1/4	1,108.67	1/4	754.69	1/4	399.38	1/4	40.93	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,178.82	1/2	1,820.23	1/2	1,460.06	1/2	1,101.29	1/2	747.34	1/2	391.86	1/2	34.34	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,171.30	3/4	1,812.78	3/4	1,452.54	3/4	1,093.91	3/4	739.99	3/4	384.34	3/4	29.63	3/4	3/4	3/4	3/4	3/4	3/4
5	2,163.78	5	1,805.32	5	1,445.02	5	1,086.54	5	732.64	5	376.82	5	24.92	5		5		5	
1/4	2,156.26	1/4	1,797.87	1/4	1,437.50	1/4	1,079.16	1/4	725.29	1/4	369.30	1/4	20.22	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,148.74	1/2	1,790.41	1/2	1,429.98	1/2	1,071.78	1/2	717.94	1/2	361.78	1/2	15.51	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,141.22	3/4	1,782.96	3/4	1,422.46	3/4	1,064.41	3/4	710.59	3/4	354.26	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,133.70	6	1,775.51	6	1,414.94	6	1,057.03	6	703.24	6	346.74	6		6		6		6	
1/4	2,126.18	1/4	1,768.05	1/4	1,407.42	1/4	1,049.65	1/4	695.89	1/4	339.22	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,118.66	1/2	1,760.60	1/2	1,399.90	1/2	1,042.28	1/2	688.53	1/2	331.70	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,111.14	3/4	1,753.14	3/4	1,392.38	3/4	1,034.90	3/4	681.18	3/4	324.17	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	2,103.62	7	1,745.69	7	1,384.86	7	1,027.52	7	673.83	7	316.65	7		7		7		7	
1/4	2,096.10	1/4	1,738.24	1/4	1,377.34	1/4	1,020.15	1/4	666.48	1/4	309.13	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,088.58	1/2	1,730.78	1/2	1,369.82	1/2	1,012.77	1/2	659.13	1/2	301.61	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,081.12	3/4	1,723.26	3/4	1,362.30	3/4	1,005.40	3/4	651.78	3/4	294.09	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	2,073.67	8	1,715.74	8	1,354.78	8	998.02	8	644.42	8	286.57	8		8		8		8	
1/4	2,066.22	1/4	1,708.22	1/4	1,347.26	1/4	990.64	1/4	637.07	1/4	279.05	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,058.76	1/2	1,700.70	1/2	1,339.74	1/2	983.27	1/2	629.72	1/2	271.53	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,051.31	3/4	1,693.18	3/4	1,332.22	3/4	975.89	3/4	622.37	3/4	264.01	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,043.85	9	1,685.66	9	1,324.70	9	968.51	9	615.02	9	256.49	9		9		9		9	
1/4	2,036.40	1/4	1,678.14	1/4	1,317.18	1/4	961.14	1/4	607.67	1/4	248.96	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,028.95	1/2	1,670.62	1/2	1,309.66	1/2	953.76	1/2	600.31	1/2	241.44	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,021.49	3/4	1,663.10	3/4	1,302.14	3/4	946.38	3/4	592.96	3/4	233.92	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,014.04	10	1,655.58	10	1,294.62	10	939.01	10	585.61	10	226.40	10		10		10		10	
1/4	2,006.58	1/4	1,648.06	1/4	1,287.10	1/4	931.63	1/4	578.26	1/4	218.88	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,999.13	1/2	1,640.54	1/2	1,279.58	1/2	924.25	1/2	570.91	1/2	211.36	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,991.67	3/4	1,633.02	3/4	1,272.06	3/4	916.88	3/4	563.54	3/4	203.83	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,984.22	11	1,625.50	11	1,264.54	11	909.50	11	556.18	11	196.29	11		11		11		11	
1/4	1,976.77	1/4	1,617.98	1/4	1,257.02	1/4	902.13	1/4	548.81	1/4	188.76	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,969.31	1/2	1,610.46	1/2	1,249.50	1/2	894.75	1/2	541.45	1/2	181.23	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,961.86	3/4	1,602.94	3/4	1,241.98	3/4	887.37	3/4	534.07	3/4	173.70	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/01/2006 CL - SW
CALCULATED: 08/01/2006 CL
PRINTED: 08/01/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2006

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