



KIRBY 28041



Barge Strapping Tables





BARGE "KIRBY 28041"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 00-7/8	00-7/8
1 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 00-7/8	00-7/8
2 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 00-7/8	00-7/8
2 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
3 PORT	- 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
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 1 PORT IS 00-1/4"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/4"

LENGTH BETWEEN DRAFT MARKS: 236'-09"

July 28, 2005

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

<http://www.pmacorp.net>

BARGE "KIRBY 28041"

1 PORT

ULLAGE TABLE

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

[illegible]

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL

**CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.**

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF RAIL.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

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



BARGE "KIRBY 28041"

1 PORT ULLAGE TABLE

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

IN		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1
0	2,137.04	0	1,805.66	0	1,474.28	0	1,142.90	0	816.91	0	512.66	0	231.83	0	0	0	0	0	0	0	0
1/4	2,130.13	1/4	1,798.76	1/4	1,467.38	1/4	1,136.00	1/4	810.35	1/4	506.57	1/4	226.23	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,123.23	1/2	1,791.85	1/2	1,460.47	1/2	1,129.10	1/2	803.79	1/2	500.49	1/2	220.64	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,116.33	3/4	1,784.95	3/4	1,453.57	3/4	1,122.19	3/4	797.22	3/4	494.40	3/4	215.04	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,109.42	1	1,778.04	1	1,446.67	1	1,115.29	1	790.70	1	488.36	1	209.49	1	1	1	1	1	1	1	1
1/4	2,102.52	1/4	1,771.14	1/4	1,439.76	1/4	1,108.39	1/4	784.18	1/4	482.31	1/4	203.94	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,095.61	1/2	1,764.24	1/2	1,432.86	1/2	1,101.48	1/2	777.66	1/2	476.27	1/2	198.39	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,088.71	3/4	1,757.33	3/4	1,425.96	3/4	1,094.58	3/4	771.14	3/4	470.22	3/4	192.83	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,081.81	2	1,750.43	2	1,419.05	2	1,087.68	2	764.66	2	464.22	2	187.32	2	2	2	2	2	2	2	2
1/4	2,074.90	1/4	1,743.53	1/4	1,412.15	1/4	1,080.77	1/4	758.18	1/4	458.21	1/4	181.80	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,068.00	1/2	1,736.62	1/2	1,405.24	1/2	1,073.87	1/2	751.70	1/2	452.21	1/2	176.29	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,061.10	3/4	1,729.72	3/4	1,398.34	3/4	1,066.97	3/4	745.22	3/4	446.20	3/4	170.77	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	2,054.19	3	1,722.82	3	1,391.44	3	1,060.07	3	738.77	3	440.24	3	165.30	3	3	3	3	3	3	3	3
1/4	2,047.29	1/4	1,715.91	1/4	1,384.53	1/4	1,053.18	1/4	732.31	1/4	434.28	1/4	159.83	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,040.39	1/2	1,709.01	1/2	1,377.63	1/2	1,046.28	1/2	725.86	1/2	428.32	1/2	154.36	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,033.48	3/4	1,702.10	3/4	1,370.73	3/4	1,039.39	3/4	719.40	3/4	422.35	3/4	148.89	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	2,026.58	4	1,695.20	4	1,363.82	4	1,032.51	4	712.99	4	416.43	4	143.46	4	4	4	4	4	4	4	4
1/4	2,019.67	1/4	1,688.30	1/4	1,356.92	1/4	1,025.63	1/4	706.57	1/4	410.51	1/4	138.02	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,012.77	1/2	1,681.39	1/2	1,350.02	1/2	1,018.75	1/2	700.16	1/2	404.58	1/2	132.59	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,005.87	3/4	1,674.49	3/4	1,343.11	3/4	1,011.87	3/4	693.74	3/4	398.66	3/4	127.16	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,998.96	5	1,667.59	5	1,336.21	5	1,005.02	5	687.37	5	392.78	5	121.77	5	5	5	5	5	5	5	5
1/4	1,992.06	1/4	1,660.68	1/4	1,329.30	1/4	998.16	1/4	681.00	1/4	386.90	1/4	116.38	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,985.16	1/2	1,653.78	1/2	1,322.40	1/2	991.31	1/2	674.63	1/2	381.02	1/2	111.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,978.25	3/4	1,646.87	3/4	1,315.50	3/4	984.45	3/4	668.26	3/4	375.14	3/4	105.61	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,971.35	6	1,639.97	6	1,308.59	6	977.63	6	661.92	6	369.30	6	100.26	6	6	6	6	6	6	6	6
1/4	1,964.44	1/4	1,633.07	1/4	1,301.69	1/4	970.81	1/4	655.59	1/4	363.46	1/4	94.91	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,957.54	1/2	1,626.16	1/2	1,294.79	1/2	963.99	1/2	649.26	1/2	357.61	1/2	89.56	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,950.64	3/4	1,619.26	3/4	1,287.88	3/4	957.16	3/4	642.93	3/4	351.77	3/4	84.21	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,943.73	7	1,612.36	7	1,280.98	7	950.40	7	636.63	7	345.97	7	78.91	7	7	7	7	7	7	7	7
1/4	1,936.83	1/4	1,605.45	1/4	1,274.07	1/4	943.63	1/4	630.34	1/4	340.18	1/4	73.61	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,929.93	1/2	1,598.55	1/2	1,267.17	1/2	936.87	1/2	624.05	1/2	334.38	1/2	68.30	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,923.02	3/4	1,591.64	3/4	1,260.27	3/4	930.10	3/4	617.76	3/4	328.58	3/4	63.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,916.12	8	1,584.74	8	1,253.36	8	923.37	8	611.51	8	322.82	8	57.74	8	8	8	8	8	8	8	8
1/4	1,909.22	1/4	1,577.84	1/4	1,246.46	1/4	916.65	1/4	605.26	1/4	317.06	1/4	52.47	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,902.31	1/2	1,570.93	1/2	1,239.56	1/2	909.92	1/2	599.01	1/2	311.30	1/2	47.20	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,895.41	3/4	1,564.03	3/4	1,232.65	3/4	903.20	3/4	592.76	3/4	305.54	3/4	41.94	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,888.50	9	1,557.13	9	1,225.75	9	896.51	9	586.55	9	299.82	9	37.58	9	9	9	9	9	9	9	9
1/4	1,881.60	1/4	1,550.22	1/4	1,218.85	1/4	889.83	1/4	580.34	1/4	294.11	1/4	33.22	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,874.70	1/2	1,543.32	1/2	1,211.94	1/2	883.14	1/2	574.14	1/2	288.39	1/2	28.86	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,867.79	3/4	1,536.42	3/4	1,205.04	3/4	876.46	3/4	567.93	3/4	282.68	3/4	24.51	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,860.89	10	1,529.51	10	1,198.13	10	869.81	10	561.76	10	277.00	10	21.91	10	10	10	10	10	10	10	10
1/4	1,853.99	1/4	1,522.61	1/4	1,191.23	1/4	863.17	1/4	555.59	1/4	271.32	1/4	19.32	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,847.08	1/2	1,515.70	1/2	1,184.33	1/2	856.53	1/2	549.42	1/2	265.64	1/2	16.72	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,840.18	3/4	1,508.80	3/4	1,177.42	3/4	849.88	3/4	543.25	3/4	259.96	3/4	14.13	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,833.27	11	1,501.90	11	1,170.52	11	843.28	11	537.13	11	254.33	11	11	11	11	11	11	11	11	11	11
1/4	1,826.37	1/4	1,494.99	1/4	1,163.62	1/4	836.68	1/4	531.00	1/4	248.70	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,819.47	1/2	1,488.09	1/2	1,156.71	1/2	830.08	1/2	524.87	1/2	243.06	1/2	1/4	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,812.56	3/4	1,481.19	3/4	1,149.81	3/4	823.47	3/4	518.75	3/4	237.43	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/27/2005 CL - SW
CALCULATED: 07/28/2005 CL
PRINTED: 07/28/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2005

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
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Tom J. Gamm



BARGE "KIRBY 28041"

1 STBD

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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	0	0	0	0	0	0	0	0	3,763.19	0	3,452.86	0	3,129.00	0	2,797.74	0	2,466.45	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,756.86	1/4	3,446.25	1/4	3,122.11	1/4	2,790.84	1/4	2,459.55	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,750.52	1/2	3,439.64	1/2	3,115.22	1/2	2,783.94	1/2	2,452.65	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,744.19	3/4	3,433.02	3/4	3,108.33	3/4	2,777.04	3/4	2,445.75	3/4
1	1	1	1	1	1	1	1	1	1	3,737.84	1	3,426.39	1	3,101.43	1	2,770.14	1	2,438.84	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,731.48	1/4	3,419.76	1/4	3,094.53	1/4	2,763.23	1/4	2,431.94	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,725.12	1/2	3,413.12	1/2	3,087.62	1/2	2,756.33	1/2	2,425.04	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,718.77	3/4	3,406.49	3/4	3,080.72	3/4	2,749.43	3/4	2,418.13	3/4
2	2	2	2	2	2	2	2	2	2	3,712.40	2	3,399.83	2	3,073.82	2	2,742.53	2	2,411.23	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,706.02	1/4	3,393.17	1/4	3,066.92	1/4	2,735.63	1/4	2,404.33	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,699.65	1/2	3,386.51	1/2	3,060.02	1/2	2,728.72	1/2	2,397.42	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,693.27	3/4	3,379.85	3/4	3,053.11	3/4	2,721.82	3/4	2,390.52	3/4
3	3	3	3	3	3	3	3	3	3	3,686.87	3	3,373.16	3	3,046.21	3	2,714.92	3	2,383.62	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,680.47	1/4	3,366.48	1/4	3,039.31	1/4	2,708.02	1/4	2,376.71	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,674.06	1/2	3,359.80	1/2	3,032.41	1/2	2,701.12	1/2	2,369.81	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,667.66	3/4	3,353.12	3/4	3,025.51	3/4	2,694.21	3/4	2,362.91	3/4
4	4	4	4	4	4	4	4	4	4	3,661.24	4	3,346.42	4	3,018.60	4	2,687.31	4	2,356.00	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,654.81	1/4	3,339.71	1/4	3,011.70	1/4	2,680.41	1/4	2,349.10	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,648.39	1/2	3,333.01	1/2	3,004.80	1/2	2,673.51	1/2	2,342.20	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,641.96	3/4	3,326.31	3/4	2,997.90	3/4	2,666.61	3/4	2,335.30	3/4
5	5	5	5	5	5	5	5	5	5	3,635.52	5	3,319.58	5	2,991.00	5	2,659.71	5	2,328.39	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,629.07	1/4	3,312.85	1/4	2,984.09	1/4	2,652.80	1/4	2,321.49	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,622.63	1/2	3,306.12	1/2	2,977.19	1/2	2,645.90	1/2	2,314.59	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,616.18	3/4	3,299.39	3/4	2,970.29	3/4	2,639.00	3/4	2,307.68	3/4
6	6	6	6	6	6	6	6	6	6	3,609.71	6	3,292.64	6	2,963.39	6	2,632.10	6	2,300.78	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,603.24	1/4	3,285.88	1/4	2,956.49	1/4	2,625.20	1/4	2,293.88	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,596.77	1/2	3,279.13	1/2	2,949.59	1/2	2,618.29	1/2	2,286.97	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,590.29	3/4	3,272.38	3/4	2,942.68	3/4	2,611.39	3/4	2,280.07	3/4
7	7	7	7	7	7	7	7	7	7	3,583.80	7	3,265.60	7	2,935.78	7	2,604.49	7	2,273.17	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,577.31	1/4	3,258.82	1/4	2,928.88	1/4	2,597.59	1/4	2,266.26	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,570.81	1/2	3,252.04	1/2	2,921.98	1/2	2,590.69	1/2	2,259.36	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,564.32	3/4	3,245.25	3/4	2,915.08	3/4	2,583.78	3/4	2,252.46	3/4
8	8	8	8	8	8	8	8	8	8	3,557.81	8	3,238.46	8	2,908.17	8	2,576.88	8	2,245.55	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,551.29	1/4	3,231.66	1/4	2,901.27	1/4	2,569.98	1/4	2,238.65	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,544.78	1/2	3,224.86	1/2	2,894.37	1/2	2,563.08	1/2	2,231.75	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,538.26	3/4	3,218.06	3/4	2,887.47	3/4	2,556.18	3/4	2,224.84	3/4
9	9	9	9	9	9	9	9	9	9	3,531.72	9	3,211.24	9	2,880.57	9	2,549.28	9	2,217.94	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,525.18	1/4	3,204.41	1/4	2,873.66	1/4	2,542.37	1/4	2,211.04	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,518.64	1/2	3,197.59	1/2	2,866.76	1/2	2,535.47	1/2	2,204.13	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,512.09	3/4	3,190.77	3/4	2,859.86	3/4	2,528.57	3/4	2,197.23	3/4
10	10	10	10	10	10	10	10	10	10	3,505.53	10	3,183.92	10	2,852.96	10	2,521.67	10	2,190.33	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,498.97	1/4	3,177.07	1/4	2,846.06	1/4	2,514.77	1/4	2,183.42	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,492.40	1/2	3,170.22	1/2	2,839.15	1/2	2,507.86	1/2	2,176.52	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,485.84	3/4	3,163.37	3/4	2,832.25	3/4	2,500.96	3/4	2,169.62	3/4
11	11	11	11	11	11	11	11	11	11	3,479.25	11	3,156.50	11	2,825.35	11	2,494.06	11	2,162.72	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,472.65	1/4	3,149.63	1/4	2,818.45	1/4	2,487.16	1/4	2,155.81	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,466.06	1/2	3,142.76	1/2	2,811.55	1/2	2,480.26	1/2	2,148.91	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,459.47	3/4	3,135.89	3/4	2,804.65	3/4	2,473.35	3/4	2,142.01	3/4

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH NPMIS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL

CAPACITY TABLE ONLY APPLIES 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'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 28041"

1 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-10 3/4"

IN	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	2,135.10	0	1,803.75	0	1,414.04	0	816.15	0	512.61	0
1/4	2,128.20	1/4	1,796.85	1/4	1,134.14	1/4	809.63	1/4	506.53	1/4
1/2	2,121.30	1/2	1,789.94	1/2	1,127.24	1/2	803.10	1/2	500.44	1/2
3/4	2,114.39	3/4	1,783.04	3/4	1,120.33	3/4	796.58	3/4	494.35	3/4
1	2,107.49	1	1,776.14	1	1,113.43	1	790.10	1	488.31	1
1/4	2,100.59	1/4	1,769.23	1/4	1,106.53	1/4	783.62	1/4	482.27	1/4
1/2	2,093.68	1/2	1,762.33	1/2	1,099.62	1/2	777.13	1/2	476.22	1/2
3/4	2,086.78	3/4	1,755.43	3/4	1,092.72	3/4	770.65	3/4	470.18	3/4
2	2,079.88	2	1,748.52	2	1,085.82	2	764.21	2	464.17	2
1/4	2,072.97	1/4	1,741.62	1/4	1,078.92	1/4	757.77	1/4	458.17	1/4
1/2	2,066.07	1/2	1,734.72	1/2	1,072.01	1/2	751.33	1/2	452.16	1/2
3/4	2,059.17	3/4	1,727.81	3/4	1,065.11	3/4	744.89	3/4	446.16	3/4
3	2,052.26	3	1,720.91	3	1,058.22	3	738.47	3	440.20	3
1/4	2,045.36	1/4	1,714.01	1/4	1,051.32	1/4	732.05	1/4	434.24	1/4
1/2	2,038.46	1/2	1,707.10	1/2	1,044.43	1/2	725.63	1/2	428.27	1/2
3/4	2,031.55	3/4	1,700.20	3/4	1,037.53	3/4	719.22	3/4	422.31	3/4
4	2,024.65	4	1,693.30	4	1,030.66	4	712.83	4	416.39	4
1/4	2,017.75	1/4	1,686.39	1/4	1,023.78	1/4	706.45	1/4	410.47	1/4
1/2	2,010.84	1/2	1,679.49	1/2	1,016.90	1/2	700.06	1/2	404.54	1/2
3/4	2,003.94	3/4	1,672.59	3/4	1,010.02	3/4	693.68	3/4	398.62	3/4
5	1,997.04	5	1,665.68	5	1,003.20	5	687.31	5	392.74	5
1/4	1,990.14	1/4	1,658.78	1/4	996.37	1/4	680.94	1/4	386.86	1/4
1/2	1,983.23	1/2	1,651.88	1/2	989.55	1/2	674.56	1/2	380.98	1/2
3/4	1,976.33	3/4	1,644.98	3/4	982.72	3/4	668.19	3/4	375.10	3/4
6	1,969.43	6	1,638.07	6	975.94	6	661.86	6	369.26	6
1/4	1,962.52	1/4	1,631.17	1/4	969.15	1/4	655.53	1/4	363.42	1/4
1/2	1,955.62	1/2	1,624.27	1/2	962.36	1/2	649.20	1/2	357.58	1/2
3/4	1,948.72	3/4	1,617.36	3/4	955.58	3/4	642.86	3/4	351.74	3/4
7	1,941.81	7	1,610.46	7	948.85	7	636.57	7	345.94	7
1/4	1,934.91	1/4	1,603.56	1/4	942.13	1/4	630.28	1/4	340.14	1/4
1/2	1,928.01	1/2	1,596.65	1/2	935.40	1/2	624.00	1/2	334.35	1/2
3/4	1,921.10	3/4	1,589.75	3/4	928.67	3/4	617.71	3/4	328.55	3/4
8	1,914.20	8	1,582.85	8	921.98	8	611.46	8	322.79	8
1/4	1,907.30	1/4	1,575.94	1/4	915.30	1/4	605.21	1/4	317.03	1/4
1/2	1,900.39	1/2	1,569.04	1/2	908.61	1/2	598.96	1/2	311.27	1/2
3/4	1,893.49	3/4	1,562.14	3/4	901.92	3/4	592.71	3/4	305.51	3/4
9	1,886.59	9	1,555.23	9	895.28	9	586.50	9	299.80	9
1/4	1,879.68	1/4	1,548.33	1/4	888.63	1/4	580.29	1/4	294.08	1/4
1/2	1,872.78	1/2	1,541.43	1/2	881.99	1/2	574.08	1/2	288.36	1/2
3/4	1,865.88	3/4	1,534.52	3/4	875.34	3/4	567.87	3/4	282.65	3/4
10	1,858.97	10	1,527.62	10	868.74	10	561.71	10	276.97	10
1/4	1,852.07	1/4	1,520.72	1/4	862.13	1/4	555.54	1/4	271.29	1/4
1/2	1,845.17	1/2	1,513.81	1/2	855.53	1/2	549.37	1/2	265.62	1/2
3/4	1,838.26	3/4	1,506.91	3/4	848.92	3/4	543.20	3/4	259.94	3/4
11	1,831.36	11	1,500.01	11	842.36	11	537.08	11	254.30	11
1/4	1,824.46	1/4	1,493.10	1/4	835.80	1/4	530.95	1/4	248.67	1/4
1/2	1,817.56	1/2	1,486.20	1/2	829.24	1/2	524.82	1/2	243.04	1/2
3/4	1,810.65	3/4	1,479.30	3/4	822.67	3/4	518.70	3/4	237.40	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/27/2005 CL - SW
CALCULATED: 07/28/2005 CL
PRINTED: 07/28/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2005

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

Paul J. Mac

2 PORT

ULLAGE TABLE

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

[illegible]

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH NPMS CHAPTER 2.7.

BARGE STRAPPED AND COMPUITED IN ACCORDANCE WITH NIPMIS CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN FLAT. CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

2,913.00	34	2,913.00
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PRECISION MEASUREMENT
& ANALYSIS, INC.

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[Signature]



BARGE "KIRBY 28041"

2 PORT ULLAGE TABLE

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

		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,667.97	0	2,279.68	0	1,891.39	0	1,503.10	0	1,114.81	0	727.01	0	339.32	0	0	0	0	0	0	0	0
1/4	2,659.88	1/4	2,271.59	1/4	1,883.30	1/4	1,495.01	1/4	1,106.72	1/4	718.94	1/4	331.24	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,651.79	1/2	2,263.50	1/2	1,875.21	1/2	1,486.92	1/2	1,098.63	1/2	710.88	1/2	323.16	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,643.71	3/4	2,255.41	3/4	1,867.12	3/4	1,478.83	3/4	1,090.54	3/4	702.81	3/4	315.08	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,635.62	1	2,247.32	1	1,859.03	1	1,470.74	1	1,082.45	1	694.75	1	307.00	1	1	1	1	1	1	1	1
1/4	2,627.53	1/4	2,239.24	1/4	1,850.94	1/4	1,462.65	1/4	1,074.36	1/4	686.68	1/4	298.92	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,619.44	1/2	2,231.15	1/2	1,842.85	1/2	1,454.56	1/2	1,066.27	1/2	678.62	1/2	290.84	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,611.35	3/4	2,223.06	3/4	1,834.77	3/4	1,446.47	3/4	1,058.18	3/4	670.55	3/4	282.76	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,603.26	2	2,214.97	2	1,826.68	2	1,438.38	2	1,050.09	2	662.49	2	274.68	2	2	2	2	2	2	2	2
1/4	2,595.17	1/4	2,206.88	1/4	1,818.59	1/4	1,430.30	1/4	1,042.00	1/4	654.42	1/4	266.60	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,587.08	1/2	2,198.79	1/2	1,810.50	1/2	1,422.21	1/2	1,033.91	1/2	646.36	1/2	258.52	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,578.99	3/4	2,190.70	3/4	1,802.41	3/4	1,414.12	3/4	1,025.83	3/4	638.29	3/4	250.44	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	2,570.90	3	2,182.61	3	1,794.32	3	1,406.03	3	1,017.74	3	630.21	3	242.35	3	3	3	3	3	3	3	3
1/4	2,562.81	1/4	2,174.52	1/4	1,786.23	1/4	1,397.94	1/4	1,009.65	1/4	622.14	1/4	234.27	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,554.72	1/2	2,166.43	1/2	1,778.14	1/2	1,389.85	1/2	1,001.56	1/2	614.07	1/2	226.19	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,546.63	3/4	2,158.34	3/4	1,770.05	3/4	1,381.76	3/4	993.47	3/4	605.99	3/4	218.11	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	2,538.54	4	2,150.25	4	1,761.96	4	1,373.67	4	985.38	4	597.91	4	210.03	4	4	4	4	4	4	4	4
1/4	2,530.45	1/4	2,142.16	1/4	1,753.87	1/4	1,365.58	1/4	977.29	1/4	589.82	1/4	201.95	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,522.36	1/2	2,134.07	1/2	1,745.78	1/2	1,357.49	1/2	969.20	1/2	581.74	1/2	193.87	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,514.28	3/4	2,125.98	3/4	1,737.69	3/4	1,349.40	3/4	961.11	3/4	573.66	3/4	185.79	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	2,506.19	5	2,117.89	5	1,729.80	5	1,341.31	5	953.02	5	565.58	5	177.71	5	5	5	5	5	5	5	5
1/4	2,498.10	1/4	2,109.81	1/4	1,721.51	1/4	1,333.22	1/4	944.93	1/4	557.50	1/4	169.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,490.01	1/2	2,101.72	1/2	1,713.42	1/2	1,325.13	1/2	936.84	1/2	549.42	1/2	161.55	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,481.92	3/4	2,093.63	3/4	1,705.34	3/4	1,317.04	3/4	928.75	3/4	541.34	3/4	153.47	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	2,473.83	6	2,085.54	6	1,697.25	6	1,308.95	6	920.66	6	533.26	6	145.39	6	6	6	6	6	6	6	6
1/4	2,465.74	1/4	2,077.45	1/4	1,689.16	1/4	1,300.87	1/4	912.57	1/4	525.18	1/4	137.31	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,457.65	1/2	2,069.36	1/2	1,681.07	1/2	1,292.78	1/2	904.48	1/2	517.10	1/2	129.22	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,449.56	3/4	2,061.27	3/4	1,672.98	3/4	1,284.69	3/4	896.41	3/4	509.02	3/4	121.14	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	2,441.47	7	2,053.18	7	1,664.89	7	1,276.60	7	888.33	7	500.94	7	113.06	7	7	7	7	7	7	7	7
1/4	2,433.38	1/4	2,045.09	1/4	1,656.80	1/4	1,268.51	1/4	880.25	1/4	492.86	1/4	104.98	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,425.29	1/2	2,037.00	1/2	1,648.71	1/2	1,260.42	1/2	872.18	1/2	484.78	1/2	96.90	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,417.20	3/4	2,028.91	3/4	1,640.62	3/4	1,252.33	3/4	864.11	3/4	476.70	3/4	88.82	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	2,409.11	8	2,020.82	8	1,632.53	8	1,244.24	8	856.05	8	468.61	8	80.74	8	8	8	8	8	8	8	8
1/4	2,401.02	1/4	2,012.73	1/4	1,624.44	1/4	1,236.15	1/4	847.98	1/4	460.53	1/4	72.66	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,392.93	1/2	2,004.64	1/2	1,616.35	1/2	1,228.06	1/2	839.92	1/2	452.45	1/2	64.58	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,384.84	3/4	1,996.55	3/4	1,608.26	3/4	1,219.97	3/4	831.85	3/4	444.37	3/4	57.51	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	2,376.76	9	1,988.46	9	1,600.17	9	1,211.88	9	823.79	9	436.29	9	50.44	9	9	9	9	9	9	9	9
1/4	2,368.67	1/4	1,980.37	1/4	1,592.08	1/4	1,203.79	1/4	815.72	1/4	428.21	1/4	43.37	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,360.58	1/2	1,972.29	1/2	1,583.99	1/2	1,195.70	1/2	807.66	1/2	420.13	1/2	36.30	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,352.49	3/4	1,964.20	3/4	1,575.90	3/4	1,187.61	3/4	799.59	3/4	412.05	3/4	31.25	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	2,344.40	10	1,956.11	10	1,567.82	10	1,179.52	10	791.53	10	403.97	10	26.20	10	10	10	10	10	10	10	10
1/4	2,336.31	1/4	1,948.02	1/4	1,559.73	1/4	1,171.43	1/4	783.46	1/4	395.89	1/4	21.16	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,328.22	1/2	1,939.93	1/2	1,551.64	1/2	1,163.35	1/2	775.40	1/2	387.81	1/2	16.11	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,320.13	3/4	1,931.84	3/4	1,543.55	3/4	1,155.26	3/4	767.33	3/4	379.73	3/4	11	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	2,312.04	11	1,923.75	11	1,535.46	11	1,147.17	11	759.27	11	371.65	11	11	11	11	11	11	11	11	11	11
1/4	2,303.95	1/4	1,915.66	1/4	1,527.37	1/4	1,139.08	1/4	751.20	1/4	363.57	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,295.86	1/2	1,907.57	1/2	1,519.28	1/2	1,130.99	1/2	743.14	1/2	355.48	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,287.77	3/4	1,899.48	3/4	1,511.19	3/4	1,122.90	3/4	735.07	3/4	347.40	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/27/2005 CL - SW
CALCULATED: 07/28/2005 CL
PRINTED: 07/28/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2005

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

Paul J. ...



BARGE "KIRBY 28041"

2 STBD

ULLAGE TABLE

Gauge Height 16'-10 3/4"

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

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

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH IPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL

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

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-08" 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 28041"

2 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-10 3/4"

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	2,664.14	0	2,275.56	0	1,886.98	0	1,498.40	0	1,109.82	0	730.07	0	348.38	0		0			
1/4	2,656.04	1/4	2,267.46	1/4	1,878.88	1/4	1,490.30	1/4	1,101.73	1/4	722.31	1/4	340.29	1/4		1/4			
1/2	2,647.95	1/2	2,259.37	1/2	1,870.79	1/2	1,482.21	1/2	1,093.63	1/2	714.55	1/2	332.19	1/2		1/2			
3/4	2,639.85	3/4	2,251.27	3/4	1,862.69	3/4	1,474.11	3/4	1,085.53	3/4	706.79	3/4	324.10	3/4		3/4			
1	2,631.76	1	2,243.18	1	1,854.60	1	1,466.02	1	1,077.44	1	699.03	1	316.00	1		1			
1/4	2,623.66	1/4	2,235.08	1/4	1,846.50	1/4	1,457.92	1/4	1,069.34	1/4	691.27	1/4	307.91	1/4		1/4			
1/2	2,615.57	1/2	2,226.99	1/2	1,838.41	1/2	1,449.83	1/2	1,061.25	1/2	683.51	1/2	299.81	1/2		1/2			
3/4	2,607.47	3/4	2,218.89	3/4	1,830.31	3/4	1,441.73	3/4	1,053.15	3/4	675.75	3/4	291.72	3/4		3/4			
2	2,599.37	2	2,210.80	2	1,822.22	2	1,433.64	2	1,045.06	2	667.99	2	283.63	2		2			
1/4	2,591.28	1/4	2,202.70	1/4	1,814.12	1/4	1,425.54	1/4	1,036.96	1/4	660.23	1/4	275.53	1/4		1/4			
1/2	2,583.18	1/2	2,194.60	1/2	1,806.03	1/2	1,417.45	1/2	1,028.87	1/2	652.47	1/2	267.44	1/2		1/2			
3/4	2,575.09	3/4	2,186.51	3/4	1,797.93	3/4	1,409.35	3/4	1,020.77	3/4	644.72	3/4	259.34	3/4		3/4			
3	2,566.99	3	2,178.41	3	1,789.83	3	1,401.26	3	1,012.68	3	636.95	3	251.25	3		3			
1/4	2,558.90	1/4	2,170.32	1/4	1,781.74	1/4	1,393.16	1/4	1,004.58	1/4	629.18	1/4	243.15	1/4		1/4			
1/2	2,550.80	1/2	2,162.22	1/2	1,773.64	1/2	1,385.06	1/2	996.49	1/2	621.41	1/2	235.06	1/2		1/2			
3/4	2,542.71	3/4	2,154.13	3/4	1,765.55	3/4	1,376.97	3/4	988.39	3/4	613.64	3/4	226.96	3/4		3/4			
4	2,534.61	4	2,146.03	4	1,757.45	4	1,368.87	4	980.29	4	605.86	4	218.87	4		4			
1/4	2,526.52	1/4	2,137.94	1/4	1,749.36	1/4	1,360.78	1/4	972.20	1/4	598.07	1/4	210.77	1/4		1/4			
1/2	2,518.42	1/2	2,129.84	1/2	1,741.26	1/2	1,352.68	1/2	964.10	1/2	590.29	1/2	202.68	1/2		1/2			
3/4	2,510.33	3/4	2,121.75	3/4	1,733.17	3/4	1,344.59	3/4	956.01	3/4	582.51	3/4	194.59	3/4		3/4			
5	2,502.23	5	2,113.65	5	1,725.07	5	1,336.49	5	947.91	5	574.57	5	186.49	5		5			
1/4	2,494.13	1/4	2,105.56	1/4	1,716.98	1/4	1,328.40	1/4	940.12	1/4	566.62	1/4	178.40	1/4		1/4			
1/2	2,486.04	1/2	2,097.46	1/2	1,708.88	1/2	1,320.30	1/2	932.18	1/2	558.68	1/2	170.30	1/2		1/2			
3/4	2,477.94	3/4	2,089.36	3/4	1,700.79	3/4	1,312.21	3/4	924.24	3/4	550.74	3/4	162.21	3/4		3/4			
6	2,469.85	6	2,081.27	6	1,692.69	6	1,304.11	6	916.45	6	542.65	6	154.11	6		6			
1/4	2,461.75	1/4	2,073.17	1/4	1,684.59	1/4	1,296.02	1/4	908.67	1/4	534.55	1/4	146.02	1/4		1/4			
1/2	2,453.66	1/2	2,065.08	1/2	1,676.50	1/2	1,287.92	1/2	900.88	1/2	526.46	1/2	137.92	1/2		1/2			
3/4	2,445.56	3/4	2,056.98	3/4	1,668.40	3/4	1,279.82	3/4	893.09	3/4	518.37	3/4	129.83	3/4		3/4			
7	2,437.47	7	2,048.89	7	1,660.31	7	1,271.73	7	885.32	7	510.27	7	121.74	7		7			
1/4	2,429.37	1/4	2,040.79	1/4	1,652.21	1/4	1,263.63	1/4	877.55	1/4	502.18	1/4	113.64	1/4		1/4			
1/2	2,421.28	1/2	2,032.70	1/2	1,644.12	1/2	1,255.54	1/2	869.78	1/2	494.08	1/2	105.55	1/2		1/2			
3/4	2,413.18	3/4	2,024.60	3/4	1,636.02	3/4	1,247.44	3/4	862.01	3/4	485.99	3/4	97.45	3/4		3/4			
8	2,405.08	8	2,016.51	8	1,627.93	8	1,239.35	8	854.25	8	477.89	8	89.36	8		8			
1/4	2,396.99	1/4	2,008.41	1/4	1,619.83	1/4	1,231.25	1/4	846.49	1/4	469.80	1/4	81.26	1/4		1/4			
1/2	2,388.89	1/2	2,000.31	1/2	1,611.74	1/2	1,223.16	1/2	838.72	1/2	461.70	1/2	73.17	1/2		1/2			
3/4	2,380.80	3/4	1,992.22	3/4	1,603.64	3/4	1,215.06	3/4	830.96	3/4	453.61	3/4	65.07	3/4		3/4			
9	2,372.70	9	1,984.12	9	1,595.54	9	1,206.97	9	823.20	9	445.52	9	57.99	9		9			
1/4	2,364.61	1/4	1,976.03	1/4	1,587.45	1/4	1,198.87	1/4	815.44	1/4	437.42	1/4	50.91	1/4		1/4			
1/2	2,356.51	1/2	1,967.93	1/2	1,579.35	1/2	1,190.77	1/2	807.68	1/2	429.33	1/2	43.82	1/2		1/2			
3/4	2,348.42	3/4	1,959.84	3/4	1,571.26	3/4	1,182.68	3/4	799.92	3/4	421.23	3/4	36.74	3/4		3/4			
10	2,340.32	10	1,951.74	10	1,563.16	10	1,174.58	10	792.16	10	413.14	10	31.68	10		10			
1/4	2,332.23	1/4	1,943.65	1/4	1,555.07	1/4	1,166.49	1/4	784.40	1/4	405.04	1/4	26.62	1/4		1/4			
1/2	2,324.13	1/2	1,935.55	1/2	1,546.97	1/2	1,158.39	1/2	776.64	1/2	396.95	1/2	21.56	1/2		1/2			
3/4	2,316.04	3/4	1,927.46	3/4	1,538.88	3/4	1,150.30	3/4	768.88	3/4	388.85	3/4	16.50	3/4		3/4			
11	2,307.94	11	1,919.36	11	1,530.78	11	1,142.20	11	761.11	11	380.76	11		11		11			
1/4	2,299.84	1/4	1,911.27	1/4	1,522.69	1/4	1,134.11	1/4	753.35	1/4	372.66	1/4		1/4		1/4			
1/2	2,291.75	1/2	1,903.17	1/2	1,514.59	1/2	1,126.01	1/2	745.59	1/2	364.57	1/2		1/2		1/2			
3/4	2,283.65	3/4	1,895.07	3/4	1,506.50	3/4	1,117.92	3/4	737.83	3/4	356.48	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/27/2005 CL - SW
CALCULATED: 07/28/2005 CL
PRINTED: 07/28/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2005

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

Paul J. Hume

3 PORT

ULLAGE TABLE

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

[illegible][illegible]

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

PMAC CORPORATION
P.O. Box 2092
Pearland, Texas 77588
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[Signature]



BARGE "KIRBY 28041"

3 PORT
ULLAGE TABLE

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

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	2,483.76	0	2,122.43	0	1,761.10	0	1,399.77	0	1,038.69	0	677.91	0	316.60	0		0		0	
1/4	2,476.23	1/4	2,114.90	1/4	1,753.57	1/4	1,392.24	1/4	1,031.19	1/4	670.39	1/4	309.07	1/4		1/4		1/4	
1/2	2,468.70	1/2	2,107.37	1/2	1,746.04	1/2	1,384.72	1/2	1,023.68	1/2	662.86	1/2	301.54	1/2		1/2		1/2	
3/4	2,461.18	3/4	2,099.85	3/4	1,738.52	3/4	1,377.19	3/4	1,016.18	3/4	655.33	3/4	294.02	3/4		3/4		3/4	
1	2,453.65	1	2,092.32	1	1,730.99	1	1,369.66	1	1,008.68	1	647.80	1	286.49	1		1		1	
1/4	2,446.12	1/4	2,084.79	1/4	1,723.46	1/4	1,362.13	1/4	1,001.17	1/4	640.28	1/4	278.96	1/4		1/4		1/4	
1/2	2,438.59	1/2	2,077.26	1/2	1,715.93	1/2	1,354.60	1/2	993.67	1/2	632.75	1/2	271.43	1/2		1/2		1/2	
3/4	2,431.07	3/4	2,069.74	3/4	1,708.41	3/4	1,347.08	3/4	986.17	3/4	625.22	3/4	263.91	3/4		3/4		3/4	
2	2,423.54	2	2,062.21	2	1,700.88	2	1,339.55	2	978.67	2	617.69	2	256.38	2		2		2	
1/4	2,416.01	1/4	2,054.68	1/4	1,693.35	1/4	1,332.02	1/4	971.16	1/4	610.17	1/4	248.85	1/4		1/4		1/4	
1/2	2,408.48	1/2	2,047.15	1/2	1,685.82	1/2	1,324.49	1/2	963.66	1/2	602.64	1/2	241.32	1/2		1/2		1/2	
3/4	2,400.95	3/4	2,039.62	3/4	1,678.30	3/4	1,316.97	3/4	956.16	3/4	595.11	3/4	233.80	3/4		3/4		3/4	
3	2,393.43	3	2,032.10	3	1,670.77	3	1,309.44	3	948.65	3	587.58	3	226.27	3		3		3	
1/4	2,385.90	1/4	2,024.57	1/4	1,663.24	1/4	1,301.91	1/4	941.15	1/4	580.06	1/4	218.74	1/4		1/4		1/4	
1/2	2,378.37	1/2	2,017.04	1/2	1,655.71	1/2	1,294.38	1/2	933.65	1/2	572.53	1/2	211.21	1/2		1/2		1/2	
3/4	2,370.84	3/4	2,009.51	3/4	1,648.18	3/4	1,286.85	3/4	926.15	3/4	565.00	3/4	203.69	3/4		3/4		3/4	
4	2,363.32	4	2,001.99	4	1,640.66	4	1,279.33	4	918.64	4	557.47	4	196.16	4		4		4	
1/4	2,355.79	1/4	1,994.46	1/4	1,633.13	1/4	1,271.80	1/4	911.14	1/4	549.95	1/4	188.63	1/4		1/4		1/4	
1/2	2,348.26	1/2	1,986.93	1/2	1,625.60	1/2	1,264.27	1/2	903.64	1/2	542.42	1/2	181.10	1/2		1/2		1/2	
3/4	2,340.73	3/4	1,979.40	3/4	1,618.07	3/4	1,256.74	3/4	896.13	3/4	534.89	3/4	173.58	3/4		3/4		3/4	
5	2,333.21	5	1,971.88	5	1,610.55	5	1,249.22	5	888.63	5	527.36	5	166.05	5		5		5	
1/4	2,325.68	1/4	1,964.35	1/4	1,603.02	1/4	1,241.69	1/4	881.13	1/4	519.84	1/4	158.52	1/4		1/4		1/4	
1/2	2,318.15	1/2	1,956.82	1/2	1,595.49	1/2	1,234.16	1/2	873.62	1/2	512.31	1/2	150.99	1/2		1/2		1/2	
3/4	2,310.62	3/4	1,949.29	3/4	1,587.96	3/4	1,226.63	3/4	866.10	3/4	504.78	3/4	143.47	3/4		3/4		3/4	
6	2,303.09	6	1,941.76	6	1,580.44	6	1,219.11	6	858.57	6	497.25	6	135.94	6		6		6	
1/4	2,295.57	1/4	1,934.24	1/4	1,572.91	1/4	1,211.58	1/4	851.04	1/4	489.73	1/4	128.41	1/4		1/4		1/4	
1/2	2,288.04	1/2	1,926.71	1/2	1,565.38	1/2	1,204.05	1/2	843.52	1/2	482.20	1/2	120.88	1/2		1/2		1/2	
3/4	2,280.51	3/4	1,919.18	3/4	1,557.85	3/4	1,196.52	3/4	835.99	3/4	474.67	3/4	113.36	3/4		3/4		3/4	
7	2,272.98	7	1,911.65	7	1,550.32	7	1,188.99	7	828.46	7	467.15	7	105.83	7		7		7	
1/4	2,265.46	1/4	1,904.13	1/4	1,542.80	1/4	1,181.47	1/4	820.93	1/4	459.62	1/4	98.30	1/4		1/4		1/4	
1/2	2,257.93	1/2	1,896.60	1/2	1,535.27	1/2	1,173.94	1/2	813.41	1/2	452.09	1/2	90.78	1/2		1/2		1/2	
3/4	2,250.40	3/4	1,889.07	3/4	1,527.74	3/4	1,166.41	3/4	805.88	3/4	444.56	3/4	83.25	3/4		3/4		3/4	
8	2,242.87	8	1,881.54	8	1,520.21	8	1,158.88	8	798.35	8	437.04	8	75.72	8		8		8	
1/4	2,235.35	1/4	1,874.02	1/4	1,512.69	1/4	1,151.36	1/4	790.82	1/4	429.51	1/4	68.19	1/4		1/4		1/4	
1/2	2,227.82	1/2	1,866.49	1/2	1,505.16	1/2	1,143.83	1/2	783.30	1/2	421.98	1/2	60.67	1/2		1/2		1/2	
3/4	2,220.29	3/4	1,858.96	3/4	1,497.63	3/4	1,136.30	3/4	775.77	3/4	414.45	3/4	54.08	3/4		3/4		3/4	
9	2,212.76	9	1,851.43	9	1,490.10	9	1,128.77	9	768.24	9	406.93	9	47.49	9		9		9	
1/4	2,205.23	1/4	1,843.90	1/4	1,482.58	1/4	1,121.25	1/4	760.71	1/4	399.40	1/4	40.90	1/4		1/4		1/4	
1/2	2,197.71	1/2	1,836.38	1/2	1,475.05	1/2	1,113.72	1/2	753.19	1/2	391.87	1/2	34.32	1/2		1/2		1/2	
3/4	2,190.18	3/4	1,828.85	3/4	1,467.52	3/4	1,106.21	3/4	745.66	3/4	384.34	3/4	29.61	3/4		3/4		3/4	
10	2,182.65	10	1,821.32	10	1,459.99	10	1,098.71	10	738.13	10	376.82	10	24.91	10		10		10	
1/4	2,175.12	1/4	1,813.79	1/4	1,452.46	1/4	1,091.21	1/4	730.60	1/4	369.29	1/4	20.20	1/4		1/4		1/4	
1/2	2,167.60	1/2	1,806.27	1/2	1,444.94	1/2	1,083.71	1/2	723.08	1/2	361.76	1/2	15.50	1/2		1/2		1/2	
3/4	2,160.07	3/4	1,798.74	3/4	1,437.41	3/4	1,076.20	3/4	715.55	3/4	354.23	3/4		3/4		3/4		3/4	
11	2,152.54	11	1,791.21	11	1,429.88	11	1,068.70	11	708.02	11	346.71	11		11		11		11	
1/4	2,145.01	1/4	1,783.68	1/4	1,422.35	1/4	1,061.20	1/4	700.49	1/4	339.18	1/4		1/4		1/4		1/4	
1/2	2,137.49	1/2	1,776.16	1/2	1,414.83	1/2	1,053.69	1/2	692.97	1/2	331.65	1/2		1/2		1/2		1/2	
3/4	2,129.96	3/4	1,768.63	3/4	1,407.30	3/4	1,046.19	3/4	685.44	3/4	324.12	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/27/2005 CL - SW
CALCULATED: 07/28/2005 CL
PRINTED: 07/28/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2005

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

Paul J. Gamm

3 STBD

ULLAGE TABLE

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

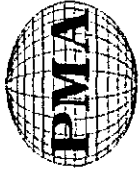
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BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

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



BARGE "KIRBY 28041"

3 STBD ULLAGE TABLE

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

		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	2,465.69	0	2,105.20	0	1,747.61	0	1,387.19	0	1,030.15	0	676.81	0	320.08	0	0	0	0	0	0	0	0
1/4	2,458.18	1/4	2,097.69	1/4	1,740.16	1/4	1,379.67	1/4	1,022.78	1/4	669.46	1/4	312.57	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,450.67	1/2	2,090.18	1/2	1,732.72	1/2	1,372.16	1/2	1,015.41	1/2	662.12	1/2	305.06	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,443.16	3/4	2,082.70	3/4	1,725.24	3/4	1,364.65	3/4	1,008.04	3/4	654.77	3/4	297.54	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,435.65	1	2,075.25	1	1,717.72	1	1,357.14	1	1,000.67	1	647.43	1	290.03	1	1	1	1	1	1	1	1
1/4	2,428.15	1/4	2,067.80	1/4	1,710.21	1/4	1,349.63	1/4	993.30	1/4	640.09	1/4	282.52	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,420.64	1/2	2,060.36	1/2	1,702.70	1/2	1,342.11	1/2	985.94	1/2	632.74	1/2	275.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,413.13	3/4	2,052.91	3/4	1,695.19	3/4	1,334.60	3/4	978.57	3/4	625.40	3/4	267.49	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,405.62	2	2,045.46	2	1,687.68	2	1,327.09	2	971.20	2	618.05	2	259.98	2	2	2	2	2	2	2	2
1/4	2,398.12	1/4	2,038.02	1/4	1,680.16	1/4	1,319.58	1/4	963.83	1/4	610.37	1/4	252.46	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,390.61	1/2	2,030.57	1/2	1,672.65	1/2	1,312.07	1/2	956.46	1/2	603.37	1/2	244.95	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,383.10	3/4	2,023.13	3/4	1,665.14	3/4	1,304.55	3/4	949.09	3/4	596.02	3/4	237.44	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	2,375.59	3	2,015.68	3	1,657.63	3	1,297.04	3	941.72	3	588.68	3	229.92	3	3	3	3	3	3	3	3
1/4	2,368.09	1/4	2,008.23	1/4	1,650.11	1/4	1,289.53	1/4	934.35	1/4	581.33	1/4	222.41	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,360.58	1/2	2,000.79	1/2	1,642.60	1/2	1,282.02	1/2	926.99	1/2	573.99	1/2	214.90	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,353.07	3/4	1,993.34	3/4	1,635.09	3/4	1,274.50	3/4	919.62	3/4	566.64	3/4	207.38	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	2,345.56	4	1,985.89	4	1,627.58	4	1,266.99	4	912.25	4	559.28	4	199.85	4	4	4	4	4	4	4	4
1/4	2,338.05	1/4	1,978.45	1/4	1,620.07	1/4	1,259.48	1/4	904.88	1/4	551.93	1/4	192.33	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,330.55	1/2	1,971.00	1/2	1,612.55	1/2	1,251.97	1/2	897.51	1/2	544.57	1/2	184.80	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,323.04	3/4	1,963.55	3/4	1,605.04	3/4	1,244.46	3/4	890.14	3/4	537.20	3/4	177.28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	2,315.53	5	1,956.11	5	1,597.53	5	1,236.94	5	882.77	5	529.83	5	169.75	5	5	5	5	5	5	5	5
1/4	2,308.02	1/4	1,948.66	1/4	1,590.02	1/4	1,229.43	1/4	875.40	1/4	522.46	1/4	162.23	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,300.52	1/2	1,941.22	1/2	1,582.50	1/2	1,221.92	1/2	868.03	1/2	515.08	1/2	154.70	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,293.01	3/4	1,933.77	3/4	1,574.99	3/4	1,214.47	3/4	860.66	3/4	507.67	3/4	147.18	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	2,285.49	6	1,926.32	6	1,567.48	6	1,207.10	6	853.29	6	500.23	6	139.66	6	6	6	6	6	6	6	6
1/4	2,277.98	1/4	1,918.88	1/4	1,559.97	1/4	1,199.72	1/4	845.91	1/4	492.78	1/4	132.13	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,270.47	1/2	1,911.43	1/2	1,552.46	1/2	1,192.35	1/2	838.54	1/2	485.34	1/2	124.60	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,262.96	3/4	1,903.98	3/4	1,544.94	3/4	1,184.97	3/4	831.16	3/4	477.86	3/4	117.08	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	2,255.44	7	1,896.54	7	1,537.43	7	1,177.60	7	823.79	7	470.35	7	109.55	7	7	7	7	7	7	7	7
1/4	2,247.93	1/4	1,889.09	1/4	1,529.92	1/4	1,170.22	1/4	816.42	1/4	462.83	1/4	102.03	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,240.42	1/2	1,881.64	1/2	1,522.41	1/2	1,162.85	1/2	809.05	1/2	455.32	1/2	94.50	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,232.91	3/4	1,874.20	3/4	1,514.89	3/4	1,155.47	3/4	801.68	3/4	447.81	3/4	86.98	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	2,225.40	8	1,866.75	8	1,507.38	8	1,148.09	8	794.33	8	440.29	8	79.45	8	8	8	8	8	8	8	8
1/4	2,217.88	1/4	1,859.30	1/4	1,499.87	1/4	1,140.72	1/4	786.97	1/4	432.78	1/4	71.93	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,210.37	1/2	1,851.86	1/2	1,492.36	1/2	1,133.34	1/2	779.62	1/2	425.27	1/2	64.41	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,202.86	3/4	1,844.41	3/4	1,484.85	3/4	1,125.97	3/4	772.27	3/4	417.75	3/4	57.35	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	2,195.35	9	1,836.97	9	1,477.33	9	1,118.59	9	764.93	9	410.24	9	50.77	9	9	9	9	9	9	9	9
1/4	2,187.83	1/4	1,829.52	1/4	1,469.82	1/4	1,111.22	1/4	757.58	1/4	402.73	1/4	44.18	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,180.32	1/2	1,822.07	1/2	1,462.31	1/2	1,103.84	1/2	750.24	1/2	395.21	1/2	37.60	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,172.81	3/4	1,814.63	3/4	1,454.80	3/4	1,096.47	3/4	742.90	3/4	387.70	3/4	31.95	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	2,165.30	10	1,807.18	10	1,447.28	10	1,089.10	10	735.56	10	380.19	10	27.25	10	10	10	10	10	10	10	10
1/4	2,157.79	1/4	1,799.73	1/4	1,439.77	1/4	1,081.73	1/4	728.21	1/4	372.67	1/4	22.55	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,150.27	1/2	1,792.29	1/2	1,432.26	1/2	1,074.36	1/2	720.87	1/2	365.16	1/2	17.84	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,142.76	3/4	1,784.84	3/4	1,424.75	3/4	1,066.99	3/4	713.53	3/4	357.65	3/4	15.49	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	2,135.25	11	1,777.39	11	1,417.24	11	1,059.62	11	706.18	11	350.14	11	11	11	11	11	11	11	11	11	11
1/4	2,127.74	1/4	1,769.95	1/4	1,409.72	1/4	1,052.25	1/4	698.84	1/4	342.62	1/4	11	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,120.22	1/2	1,762.50	1/2	1,402.21	1/2	1,044.89	1/2	691.50	1/2	335.11	1/2	12	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,112.71	3/4	1,755.06	3/4	1,394.70	3/4	1,037.52	3/4	684.15	3/4	327.60	3/4	13	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: 01/27/2005 CL - SW
CALCULATED: 07/28/2005 CL
PRINTED: 07/28/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2005

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