



KIRBY 28039



Barge Strapping Tables





BARGE "KIRBY 28039"

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"

May 24, 2005

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>

1 PORT

ULLAGE TABLE

GAUGE HEIGHT 16'-10 1/2"

[illegible]

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY:

MADE OF STEEL AND COMPILED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

BARGE S LAPPED AND COMBINED IN ROCKETRY
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL

CAPACITY TABLE ONLY APPLIES WHEN SLOPE IS 3% OR LESS

CAPACITY TABLE EXTENDS TO EXTREME HEIGHTS OF TANKS.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

CAPACITY TABLE ONLY APPLIES TO CERVEZAS
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 36'-10" FORWARD OF AFT BULKHEAD.

**PRECISION MEASUREMENT
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BARGE "KIRBY 28039"

1 PORT ULLAGE TABLE

GAUGE HEIGHT 16'-10 1/2"

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

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	2,130.99	0	1,799.48	0	1,467.96	0	1,136.45	0	810.67	0	506.77	0	226.32	0	0	0	0	0	0
1/4	2,124.08	1/4	1,792.57	1/4	1,461.06	1/4	1,129.55	1/4	804.11	1/4	500.69	1/4	220.72	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,117.18	1/2	1,785.66	1/2	1,454.15	1/2	1,122.64	1/2	797.54	1/2	494.60	1/2	215.13	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,110.27	3/4	1,778.76	3/4	1,447.25	3/4	1,115.73	3/4	791.02	3/4	488.55	3/4	209.57	3/4	3/4	3/4	3/4	3/4	3/4
1	2,103.36	1	1,771.85	1	1,440.34	1	1,108.83	1	784.49	1	482.50	1	204.02	1	1	1	1	1	1
1/4	2,096.46	1/4	1,764.94	1/4	1,433.43	1/4	1,101.92	1/4	777.97	1/4	476.46	1/4	198.46	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,089.55	1/2	1,758.04	1/2	1,426.53	1/2	1,095.01	1/2	771.45	1/2	470.41	1/2	192.91	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,082.64	3/4	1,751.13	3/4	1,419.62	3/4	1,088.11	3/4	764.97	3/4	464.40	3/4	187.39	3/4	3/4	3/4	3/4	3/4	3/4
2	2,075.74	2	1,744.22	2	1,412.71	2	1,081.20	2	758.48	2	458.39	2	181.88	2	2	2	2	2	2
1/4	2,068.83	1/4	1,737.32	1/4	1,405.81	1/4	1,074.30	1/4	752.00	1/4	452.39	1/4	176.36	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,061.92	1/2	1,730.41	1/2	1,398.90	1/2	1,067.39	1/2	745.52	1/2	446.38	1/2	170.84	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,055.02	3/4	1,723.51	3/4	1,391.99	3/4	1,060.50	3/4	739.06	3/4	440.41	3/4	165.37	3/4	3/4	3/4	3/4	3/4	3/4
3	2,048.11	3	1,716.60	3	1,385.09	3	1,053.60	3	732.60	3	434.45	3	159.90	3	3	3	3	3	3
1/4	2,041.20	1/4	1,709.69	1/4	1,378.18	1/4	1,046.70	1/4	726.15	1/4	428.49	1/4	154.42	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,034.30	1/2	1,702.79	1/2	1,371.27	1/2	1,039.80	1/2	719.69	1/2	422.52	1/2	148.95	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,027.39	3/4	1,695.88	3/4	1,364.37	3/4	1,032.92	3/4	713.27	3/4	416.60	3/4	143.52	3/4	3/4	3/4	3/4	3/4	3/4
4	2,020.48	4	1,688.97	4	1,357.46	4	1,026.04	4	706.85	4	410.67	4	138.08	4	4	4	4	4	4
1/4	2,013.58	1/4	1,682.07	1/4	1,350.55	1/4	1,019.16	1/4	700.44	1/4	404.74	1/4	132.64	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,006.67	1/2	1,675.16	1/2	1,343.65	1/2	1,012.28	1/2	694.02	1/2	398.82	1/2	127.21	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,999.77	3/4	1,668.25	3/4	1,336.74	3/4	1,005.42	3/4	687.65	3/4	392.94	3/4	121.82	3/4	3/4	3/4	3/4	3/4	3/4
5	1,992.86	5	1,661.35	5	1,329.83	5	998.56	5	681.27	5	387.05	5	116.43	5	5	5	5	5	5
1/4	1,985.95	1/4	1,654.44	1/4	1,322.93	1/4	991.70	1/4	674.90	1/4	381.17	1/4	111.04	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,979.05	1/2	1,647.53	1/2	1,316.02	1/2	984.85	1/2	668.52	1/2	375.29	1/2	105.65	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,972.14	3/4	1,640.63	3/4	1,309.12	3/4	978.02	3/4	662.19	3/4	369.44	3/4	100.30	3/4	3/4	3/4	3/4	3/4	3/4
6	1,965.23	6	1,633.72	6	1,302.21	6	971.20	6	655.85	6	363.60	6	94.95	6	6	6	6	6	6
1/4	1,958.33	1/4	1,626.81	1/4	1,295.30	1/4	964.37	1/4	649.52	1/4	357.76	1/4	89.60	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,951.42	1/2	1,619.91	1/2	1,288.40	1/2	957.55	1/2	643.18	1/2	351.91	1/2	84.25	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,944.51	3/4	1,613.00	3/4	1,281.49	3/4	950.78	3/4	636.89	3/4	346.11	3/4	78.94	3/4	3/4	3/4	3/4	3/4	3/4
7	1,937.61	7	1,606.09	7	1,274.58	7	944.01	7	630.60	7	340.31	7	73.64	7	7	7	7	7	7
1/4	1,930.70	1/4	1,599.19	1/4	1,267.68	1/4	937.24	1/4	624.30	1/4	334.51	1/4	68.33	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,923.79	1/2	1,592.28	1/2	1,260.77	1/2	930.47	1/2	618.01	1/2	328.71	1/2	63.03	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,916.89	3/4	1,585.38	3/4	1,253.86	3/4	923.74	3/4	611.76	3/4	322.95	3/4	57.76	3/4	3/4	3/4	3/4	3/4	3/4
8	1,909.98	8	1,578.47	8	1,246.96	8	917.01	8	605.50	8	317.19	8	52.49	8	8	8	8	8	8
1/4	1,903.07	1/4	1,571.56	1/4	1,240.05	1/4	910.28	1/4	599.25	1/4	311.42	1/4	47.22	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,896.17	1/2	1,564.66	1/2	1,233.14	1/2	903.55	1/2	593.00	1/2	305.66	1/2	41.95	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,889.26	3/4	1,557.75	3/4	1,226.24	3/4	896.87	3/4	586.79	3/4	299.94	3/4	37.59	3/4	3/4	3/4	3/4	3/4	3/4
9	1,882.35	9	1,550.84	9	1,219.33	9	890.18	9	580.58	9	294.23	9	33.23	9	9	9	9	9	9
1/4	1,875.45	1/4	1,543.94	1/4	1,212.42	1/4	883.49	1/4	574.36	1/4	288.51	1/4	28.87	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,868.54	1/2	1,537.03	1/2	1,205.52	1/2	876.81	1/2	568.15	1/2	282.79	1/2	24.52	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,861.64	3/4	1,530.12	3/4	1,198.61	3/4	870.16	3/4	561.98	3/4	277.11	3/4	21.92	3/4	3/4	3/4	3/4	3/4	3/4
10	1,854.73	10	1,523.22	10	1,191.70	10	863.51	10	555.81	10	271.43	10	19.33	10	10	10	10	10	10
1/4	1,847.82	1/4	1,516.31	1/4	1,184.80	1/4	856.87	1/4	549.64	1/4	265.75	1/4	16.73	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,840.92	1/2	1,509.40	1/2	1,177.89	1/2	850.22	1/2	543.47	1/2	260.07	1/2	14.14	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,834.01	3/4	1,502.50	3/4	1,170.99	3/4	843.62	3/4	537.34	3/4	254.43	3/4	11.11	3/4	3/4	3/4	3/4	3/4	3/4
11	1,827.10	11	1,495.59	11	1,164.08	11	837.01	11	531.21	11	248.79	11	8.88	11	11	11	11	11	11
1/4	1,820.20	1/4	1,488.68	1/4	1,157.17	1/4	830.41	1/4	525.08	1/4	243.16	1/4	7.77	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,813.29	1/2	1,481.78	1/2	1,150.27	1/2	823.80	1/2	518.95	1/2	237.52	1/2	6.66	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,806.38	3/4	1,474.87	3/4	1,143.36	3/4	817.24	3/4	512.86	3/4	231.92	3/4	5.55	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/23/2005 CL - SW
CALCULATED: 05/24/2005 CL
PRINTED: 05/24/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2006

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

Paul J. ...

BARGE "KIRBY 28039"

ULLAGE TABLE

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

[illegible]

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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'-09" FORWARD OF AFT BULKHEAD.

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Th. J. J. J.



BARGE "KIRBY 28039"

1 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-10 1/4"

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	2,122.30	0	1,790.79	0	1,459.28	0	1,127.77	0	803.48	0	500.68	0	220.72	0	0	0	0	0	0
1/4	2,115.40	1/4	1,783.89	1/4	1,452.37	1/4	1,120.86	1/4	796.96	1/4	494.59	1/4	215.12	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,108.49	1/2	1,776.98	1/2	1,445.47	1/2	1,113.96	1/2	790.47	1/2	488.54	1/2	209.57	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,101.59	3/4	1,770.07	3/4	1,438.56	3/4	1,107.05	3/4	783.99	3/4	482.49	3/4	204.01	3/4	3/4	3/4	3/4	3/4	3/4
1	2,094.68	1	1,763.17	1	1,431.65	1	1,100.14	1	777.50	1	476.45	1	198.46	1	1	1	1	1	1
1/4	2,087.77	1/4	1,756.26	1/4	1,424.75	1/4	1,093.24	1/4	771.02	1/4	470.40	1/4	192.91	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,080.87	1/2	1,749.35	1/2	1,417.84	1/2	1,086.33	1/2	764.57	1/2	464.39	1/2	187.39	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,073.96	3/4	1,742.45	3/4	1,410.94	3/4	1,079.43	3/4	758.13	3/4	458.39	3/4	181.87	3/4	3/4	3/4	3/4	3/4	3/4
2	2,067.05	2	1,735.54	2	1,404.03	2	1,072.52	2	751.68	2	452.38	2	176.35	2	2	2	2	2	2
1/4	2,060.15	1/4	1,728.63	1/4	1,397.12	1/4	1,065.62	1/4	745.24	1/4	446.37	1/4	170.84	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,053.24	1/2	1,721.73	1/2	1,390.22	1/2	1,058.72	1/2	738.82	1/2	440.41	1/2	165.36	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,046.33	3/4	1,714.82	3/4	1,383.31	3/4	1,051.82	3/4	732.40	3/4	434.44	3/4	159.89	3/4	3/4	3/4	3/4	3/4	3/4
3	2,039.43	3	1,707.91	3	1,376.40	3	1,044.92	3	725.98	3	428.48	3	154.42	3	3	3	3	3	3
1/4	2,032.52	1/4	1,701.01	1/4	1,369.50	1/4	1,038.03	1/4	719.56	1/4	422.51	1/4	148.95	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,025.61	1/2	1,694.10	1/2	1,362.59	1/2	1,031.14	1/2	713.17	1/2	416.59	1/2	143.51	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,018.71	3/4	1,687.20	3/4	1,355.68	3/4	1,024.26	3/4	706.78	3/4	410.66	3/4	138.08	3/4	3/4	3/4	3/4	3/4	3/4
4	2,011.80	4	1,680.29	4	1,348.78	4	1,017.38	4	700.39	4	404.74	4	132.64	4	4	4	4	4	4
1/4	2,004.89	1/4	1,673.38	1/4	1,341.87	1/4	1,010.50	1/4	694.01	1/4	398.81	1/4	127.20	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,997.99	1/2	1,666.48	1/2	1,334.96	1/2	1,003.67	1/2	687.63	1/2	392.93	1/2	121.82	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,991.08	3/4	1,659.57	3/4	1,328.06	3/4	996.84	3/4	681.26	3/4	387.05	3/4	116.43	3/4	3/4	3/4	3/4	3/4	3/4
5	1,984.17	5	1,652.66	5	1,321.15	5	990.02	5	674.88	5	381.16	5	111.04	5	5	5	5	5	5
1/4	1,977.27	1/4	1,645.76	1/4	1,314.24	1/4	983.19	1/4	668.51	1/4	375.28	1/4	105.65	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,970.36	1/2	1,638.85	1/2	1,307.34	1/2	976.40	1/2	662.17	1/2	369.44	1/2	100.30	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,963.46	3/4	1,631.94	3/4	1,300.43	3/4	969.61	3/4	655.84	3/4	363.59	3/4	94.95	3/4	3/4	3/4	3/4	3/4	3/4
6	1,956.55	6	1,625.04	6	1,293.52	6	962.82	6	649.50	6	357.75	6	89.60	6	6	6	6	6	6
1/4	1,949.64	1/4	1,618.13	1/4	1,286.62	1/4	956.03	1/4	643.17	1/4	351.90	1/4	84.25	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,942.74	1/2	1,611.22	1/2	1,279.71	1/2	949.30	1/2	636.88	1/2	346.10	1/2	78.94	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,935.83	3/4	1,604.32	3/4	1,272.81	3/4	942.57	3/4	630.58	3/4	340.30	3/4	73.64	3/4	3/4	3/4	3/4	3/4	3/4
7	1,928.92	7	1,597.41	7	1,265.90	7	935.84	7	624.29	7	334.50	7	68.33	7	7	7	7	7	7
1/4	1,922.02	1/4	1,590.50	1/4	1,259.00	1/4	929.11	1/4	618.00	1/4	328.70	1/4	63.02	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,915.11	1/2	1,583.60	1/2	1,252.09	1/2	922.42	1/2	611.74	1/2	322.94	1/2	57.76	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,908.20	3/4	1,576.69	3/4	1,245.18	3/4	915.73	3/4	605.49	3/4	317.18	3/4	52.49	3/4	3/4	3/4	3/4	3/4	3/4
8	1,901.30	8	1,569.78	8	1,238.27	8	909.04	8	599.24	8	311.42	8	47.22	8	8	8	8	8	8
1/4	1,894.39	1/4	1,562.88	1/4	1,231.37	1/4	902.35	1/4	592.99	1/4	305.66	1/4	41.95	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,887.48	1/2	1,555.97	1/2	1,224.46	1/2	895.70	1/2	586.78	1/2	299.94	1/2	37.59	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,880.58	3/4	1,549.07	3/4	1,217.55	3/4	889.05	3/4	580.56	3/4	294.22	3/4	33.23	3/4	3/4	3/4	3/4	3/4	3/4
9	1,873.67	9	1,542.16	9	1,210.65	9	882.41	9	574.35	9	288.50	9	28.87	9	9	9	9	9	9
1/4	1,866.76	1/4	1,535.25	1/4	1,203.74	1/4	875.76	1/4	568.14	1/4	282.78	1/4	24.51	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,859.86	1/2	1,528.35	1/2	1,196.83	1/2	869.15	1/2	561.97	1/2	277.10	1/2	21.92	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,852.95	3/4	1,521.44	3/4	1,189.93	3/4	862.54	3/4	555.80	3/4	271.42	3/4	19.32	3/4	3/4	3/4	3/4	3/4	3/4
10	1,846.04	10	1,514.53	10	1,183.02	10	855.93	10	549.63	10	265.74	10	16.73	10	10	10	10	10	10
1/4	1,839.14	1/4	1,507.63	1/4	1,176.11	1/4	849.33	1/4	543.46	1/4	260.06	1/4	14.14	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,832.23	1/2	1,500.72	1/2	1,169.21	1/2	842.76	1/2	537.33	1/2	254.43	1/2	11.54	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,825.33	3/4	1,493.81	3/4	1,162.30	3/4	836.19	3/4	531.20	3/4	248.79	3/4	9.94	3/4	3/4	3/4	3/4	3/4	3/4
11	1,818.42	11	1,486.91	11	1,155.39	11	829.63	11	525.07	11	243.15	11	8.34	11	11	11	11	11	11
1/4	1,811.51	1/4	1,480.00	1/4	1,148.49	1/4	823.06	1/4	518.94	1/4	237.52	1/4	6.74	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,804.61	1/2	1,473.09	1/2	1,141.58	1/2	816.53	1/2	512.85	1/2	231.92	1/2	5.14	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,797.70	3/4	1,466.19	3/4	1,134.68	3/4	810.01	3/4	506.77	3/4	226.32	3/4	3.54	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

Tom J. Plummer



2 PORT
ULLAGE TAB

GAUGE HEIGHT 16'-10 1/4"

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STIFFED AND COMFISHED IN ACCORDANCE WITH MIL-H-13600. CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREMELY HEIGHT STAINING.

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SHEET NO. 5 OF 12



BARGE "KIRBY 28039"

2 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-10 1/4"

	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	2,659.00	2,270.84	1,882.67	1,494.51	1,106.35	718.70	331.13	0	0	0
1/4	2,650.91	2,262.75	1,874.59	1,486.43	1,098.26	710.64	323.05	1/4	1/4	1/4
1/2	2,642.82	2,254.66	1,866.50	1,478.34	1,090.18	702.58	314.98	1/2	1/2	1/2
3/4	2,634.74	2,246.58	1,858.41	1,470.25	1,082.09	694.52	306.90	3/4	3/4	3/4
1	2,626.65	2,238.49	1,850.33	1,462.17	1,074.00	686.45	298.82	1	1	1
1/4	2,618.56	2,230.40	1,842.24	1,454.08	1,065.92	678.39	290.74	1/4	1/4	1/4
1/2	2,610.48	2,222.32	1,834.15	1,445.99	1,057.83	670.33	282.66	1/2	1/2	1/2
3/4	2,602.39	2,214.23	1,826.07	1,437.91	1,049.74	662.27	274.59	3/4	3/4	3/4
2	2,594.30	2,206.14	1,817.98	1,429.82	1,041.66	654.21	266.51	2	2	2
1/4	2,586.22	2,198.06	1,809.89	1,421.73	1,033.57	646.14	258.43	1/4	1/4	1/4
1/2	2,578.13	2,189.97	1,801.81	1,413.65	1,025.48	638.07	250.35	1/2	1/2	1/2
3/4	2,570.04	2,181.88	1,793.72	1,405.56	1,017.40	630.00	242.27	3/4	3/4	3/4
3	2,561.96	2,173.80	1,785.63	1,397.47	1,009.31	621.93	234.20	3	3	3
1/4	2,553.87	2,165.71	1,777.55	1,389.39	1,001.22	613.86	226.12	1/4	1/4	1/4
1/2	2,545.78	2,157.62	1,769.46	1,381.30	993.14	605.78	218.04	1/2	1/2	1/2
3/4	2,537.70	2,149.54	1,761.37	1,373.21	985.05	597.71	209.96	3/4	3/4	3/4
4	2,529.61	2,141.45	1,753.29	1,365.13	976.96	589.63	201.88	4	4	4
1/4	2,521.52	2,133.36	1,745.20	1,357.04	968.88	581.55	193.81	1/4	1/4	1/4
1/2	2,513.44	2,125.28	1,737.11	1,348.95	960.79	573.47	185.73	1/2	1/2	1/2
3/4	2,505.35	2,117.19	1,729.03	1,340.87	952.70	565.39	177.65	3/4	3/4	3/4
5	2,497.26	2,109.10	1,720.94	1,332.78	944.62	557.32	169.57	5	5	5
1/4	2,489.18	2,101.02	1,712.85	1,324.69	936.53	549.24	161.49	1/4	1/4	1/4
1/2	2,481.09	2,092.93	1,704.77	1,316.61	928.44	541.16	153.42	1/2	1/2	1/2
3/4	2,473.00	2,084.84	1,696.68	1,308.52	920.36	533.08	145.34	3/4	3/4	3/4
6	2,464.92	2,076.76	1,688.59	1,300.43	912.27	525.00	137.26	6	6	6
1/4	2,456.83	2,068.67	1,680.51	1,292.35	904.18	516.93	129.18	1/4	1/4	1/4
1/2	2,448.74	2,060.58	1,672.42	1,284.26	896.11	508.85	121.10	1/2	1/2	1/2
3/4	2,440.66	2,052.49	1,664.33	1,276.17	888.03	500.77	113.03	3/4	3/4	3/4
7	2,432.57	2,044.41	1,656.25	1,268.09	879.96	492.69	104.95	7	7	7
1/4	2,424.48	2,036.32	1,648.16	1,260.00	871.88	484.61	96.87	1/4	1/4	1/4
1/2	2,416.40	2,028.23	1,640.07	1,251.91	863.82	476.54	88.79	1/2	1/2	1/2
3/4	2,408.31	2,020.15	1,631.99	1,243.82	855.76	468.46	80.71	3/4	3/4	3/4
8	2,400.22	2,012.06	1,623.90	1,235.74	847.70	460.38	72.64	8	8	8
1/4	2,392.14	2,003.97	1,615.81	1,227.65	839.64	452.30	64.56	1/4	1/4	1/4
1/2	2,384.05	1,995.89	1,607.73	1,219.56	831.57	444.22	56.48	1/2	1/2	1/2
3/4	2,375.96	1,987.80	1,599.64	1,211.48	823.51	436.15	48.40	3/4	3/4	3/4
9	2,367.88	1,979.71	1,591.55	1,203.39	815.45	428.07	40.32	9	9	9
1/4	2,359.79	1,971.63	1,583.47	1,195.30	807.39	419.99	32.24	1/4	1/4	1/4
1/2	2,351.70	1,963.54	1,575.38	1,187.22	799.32	411.91	24.16	1/2	1/2	1/2
3/4	2,343.62	1,955.45	1,567.29	1,179.13	791.26	403.83	16.08	3/4	3/4	3/4
10	2,335.53	1,947.37	1,559.21	1,171.04	783.20	395.76	8.00	10	10	10
1/4	2,327.44	1,939.28	1,551.12	1,162.96	775.14	387.68	0.00	1/4	1/4	1/4
1/2	2,319.36	1,931.19	1,543.03	1,154.87	767.08	379.60	-8.00	1/2	1/2	1/2
3/4	2,311.27	1,923.11	1,534.95	1,146.78	759.01	371.52	-16.00	3/4	3/4	3/4
11	2,303.18	1,915.02	1,526.86	1,138.70	750.95	363.44	-24.00	11	11	11
1/4	2,295.10	1,906.93	1,518.77	1,130.61	742.89	355.37	-32.00	1/4	1/4	1/4
1/2	2,287.01	1,898.85	1,510.69	1,122.52	734.83	347.29	-40.00	1/2	1/2	1/2
3/4	2,278.92	1,890.76	1,502.60	1,114.44	726.77	339.21	-48.00	3/4	3/4	3/4

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

Tim J. Plummer



BARGE "KIRBY 28039"

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.	
N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN
0	0	0	0	0	0	5,258.13	0	4,907.95	0	4,562.25	0	4,198.32	0	3,818.54	0	3,430.41	0	3,042.25	0
1/4	1/4	1/4	1/4	1/4	1/4	5,252.06	1/4	4,900.93	1/4	4,547.83	1/4	4,190.57	1/4	3,810.47	1/4	3,422.32	1/4	3,034.16	1/4
1/2	1/2	1/2	1/2	1/2	1/2	5,245.99	1/2	4,893.92	1/2	4,541.41	1/2	4,182.83	1/2	3,802.40	1/2	3,414.23	1/2	3,026.07	1/2
3/4	3/4	3/4	3/4	3/4	3/4	5,237.90	3/4	4,886.87	3/4	4,539.96	3/4	4,175.06	3/4	3,794.31	3/4	3,406.15	3/4	3,017.98	3/4
1	1	1	1	1	1	5,229.81	1	4,879.82	1	4,532.52	1	4,167.28	1	3,786.22	1	3,398.06	1	3,009.89	1
1/4	1/4	1/4	1/4	1/4	1/4	5,221.72	1/4	4,872.77	1/4	4,525.07	1/4	4,159.51	1/4	3,778.14	1/4	3,389.97	1/4	3,001.81	1/4
1/2	1/2	1/2	1/2	1/2	1/2	5,213.64	1/2	4,865.72	1/2	4,517.63	1/2	4,151.74	1/2	3,770.05	1/2	3,381.89	1/2	2,993.72	1/2
3/4	3/4	3/4	3/4	3/4	3/4	5,205.55	3/4	4,858.65	3/4	4,510.16	3/4	4,143.93	3/4	3,761.96	3/4	3,373.80	3/4	2,985.63	3/4
2	2	2	2	2	2	5,197.46	2	4,851.58	2	4,502.69	2	4,136.13	2	3,753.88	2	3,365.71	2	2,977.54	2
1/4	1/4	1/4	1/4	1/4	1/4	5,189.37	1/4	4,844.51	1/4	4,495.22	1/4	4,128.33	1/4	3,745.79	1/4	3,357.63	1/4	2,969.45	1/4
1/2	1/2	1/2	1/2	1/2	1/2	5,181.28	1/2	4,837.44	1/2	4,487.75	1/2	4,120.52	1/2	3,737.70	1/2	3,349.54	1/2	2,961.36	1/2
3/4	3/4	3/4	3/4	3/4	3/4	5,173.19	3/4	4,830.34	3/4	4,480.25	3/4	4,112.69	3/4	3,729.62	3/4	3,341.45	3/4	2,953.27	3/4
3	3	3	3	3	3	5,165.10	3	4,823.24	3	4,472.75	3	4,104.86	3	3,721.53	3	3,333.37	3	2,945.18	3
1/4	1/4	1/4	1/4	1/4	1/4	5,157.01	1/4	4,816.15	1/4	4,465.24	1/4	4,097.04	1/4	3,713.44	1/4	3,325.28	1/4	2,937.09	1/4
1/2	1/2	1/2	1/2	1/2	1/2	5,148.92	1/2	4,809.05	1/2	4,457.74	1/2	4,089.21	1/2	3,705.36	1/2	3,317.19	1/2	2,929.00	1/2
3/4	3/4	3/4	3/4	3/4	3/4	5,140.83	3/4	4,801.92	3/4	4,450.21	3/4	4,081.35	3/4	3,697.27	3/4	3,309.11	3/4	2,920.91	3/4
4	4	4	4	4	4	5,132.74	4	4,794.79	4	4,442.69	4	4,073.50	4	3,689.18	4	3,301.02	4	2,912.82	4
1/4	1/4	1/4	1/4	1/4	1/4	5,124.66	1/4	4,787.66	1/4	4,435.16	1/4	4,065.65	1/4	3,681.10	1/4	3,292.93	1/4	2,904.74	1/4
1/2	1/2	1/2	1/2	1/2	1/2	5,116.57	1/2	4,780.53	1/2	4,427.63	1/2	4,057.79	1/2	3,673.01	1/2	3,284.85	1/2	2,896.65	1/2
3/4	3/4	3/4	3/4	3/4	3/4	5,108.48	3/4	4,773.38	3/4	4,420.08	3/4	4,049.91	3/4	3,664.92	3/4	3,276.76	3/4	2,888.56	3/4
5	5	5	5	5	5	5,100.39	5	4,766.23	5	4,412.53	5	4,042.02	5	3,656.83	5	3,268.67	5	2,880.47	5
1/4	1/4	1/4	1/4	1/4	1/4	5,092.30	1/4	4,759.07	1/4	4,404.98	1/4	4,034.14	1/4	3,648.75	1/4	3,260.59	1/4	2,872.38	1/4
1/2	1/2	1/2	1/2	1/2	1/2	5,084.21	1/2	4,751.92	1/2	4,397.43	1/2	4,026.25	1/2	3,640.66	1/2	3,252.50	1/2	2,864.29	1/2
3/4	3/4	3/4	3/4	3/4	3/4	5,076.12	3/4	4,744.74	3/4	4,389.84	3/4	4,018.34	3/4	3,632.57	3/4	3,244.41	3/4	2,856.20	3/4
6	6	6	6	6	6	5,068.03	6	4,737.56	6	4,382.26	6	4,010.43	6	3,624.49	6	3,236.33	6	2,848.11	6
1/4	1/4	1/4	1/4	1/4	1/4	5,059.94	1/4	4,730.38	1/4	4,374.68	1/4	4,002.52	1/4	3,616.40	1/4	3,228.24	1/4	2,840.02	1/4
1/2	1/2	1/2	1/2	1/2	1/2	5,051.85	1/2	4,723.20	1/2	4,367.09	1/2	3,994.61	1/2	3,608.31	1/2	3,220.15	1/2	2,831.93	1/2
3/4	3/4	3/4	3/4	3/4	3/4	5,043.76	3/4	4,715.99	3/4	4,359.49	3/4	3,986.66	3/4	3,600.23	3/4	3,212.07	3/4	2,823.84	3/4
7	7	7	7	7	7	5,035.67	7	4,708.78	7	4,351.88	7	3,978.72	7	3,592.14	7	3,203.98	7	2,815.76	7
1/4	1/4	1/4	1/4	1/4	1/4	5,027.58	1/4	4,701.57	1/4	4,344.27	1/4	3,970.77	1/4	3,584.05	1/4	3,195.89	1/4	2,807.67	1/4
1/2	1/2	1/2	1/2	1/2	1/2	5,019.49	1/2	4,694.36	1/2	4,336.66	1/2	3,962.83	1/2	3,575.97	1/2	3,187.81	1/2	2,799.58	1/2
3/4	3/4	3/4	3/4	3/4	3/4	5,011.40	3/4	4,687.13	3/4	4,329.03	3/4	3,954.86	3/4	3,567.88	3/4	3,179.72	3/4	2,791.49	3/4
8	8	8	8	8	8	5,003.31	8	4,679.89	8	4,321.39	8	3,946.89	8	3,559.79	8	3,171.63	8	2,783.40	8
1/4	1/4	1/4	1/4	1/4	1/4	5,012.52	1/4	4,672.66	1/4	4,313.76	1/4	3,938.93	1/4	3,551.71	1/4	3,163.55	1/4	2,775.31	1/4
1/2	1/2	1/2	1/2	1/2	1/2	5,004.43	1/2	4,665.42	1/2	4,306.13	1/2	3,930.96	1/2	3,543.62	1/2	3,155.46	1/2	2,767.22	1/2
3/4	3/4	3/4	3/4	3/4	3/4	4,996.34	3/4	4,658.09	3/4	4,298.46	3/4	3,922.97	3/4	3,535.53	3/4	3,147.37	3/4	2,759.13	3/4
9	9	9	9	9	9	4,988.25	9	4,650.76	9	4,290.80	9	3,914.98	9	3,527.45	9	3,139.29	9	2,751.04	9
1/4	1/4	1/4	1/4	1/4	1/4	4,980.16	1/4	4,643.43	1/4	4,283.13	1/4	3,906.98	1/4	3,519.36	1/4	3,131.20	1/4	2,742.95	1/4
1/2	1/2	1/2	1/2	1/2	1/2	4,972.07	1/2	4,636.10	1/2	4,275.47	1/2	3,898.99	1/2	3,511.27	1/2	3,123.11	1/2	2,734.86	1/2
3/4	3/4	3/4	3/4	3/4	3/4	4,963.98	3/4	4,628.74	3/4	4,267.78	3/4	3,890.97	3/4	3,503.19	3/4	3,115.03	3/4	2,726.78	3/4
10	10	10	10	10	10	4,955.89	10	4,621.37	10	4,260.09	10	3,882.94	10	3,495.10	10	3,106.94	10	2,718.69	10
1/4	1/4	1/4	1/4	1/4	1/4	4,947.80	1/4	4,614.01	1/4	4,252.40	1/4	3,874.91	1/4	3,487.01	1/4	3,098.85	1/4	2,710.60	1/4
1/2	1/2	1/2	1/2	1/2	1/2	4,939.71	1/2	4,606.65	1/2	4,244.71	1/2	3,866.89	1/2	3,478.93	1/2	3,090.77	1/2	2,702.51	1/2
3/4	3/4	3/4	3/4	3/4	3/4	4,931.62	3/4	4,599.26	3/4	4,236.99	3/4	3,858.84	3/4	3,470.84	3/4	3,082.68	3/4	2,694.42	3/4
11	11	11	11	11	11	4,923.53	11	4,591.87	11	4,229.26	11	3,850.79	11	3,462.75	11	3,074.59	11	2,686.33	11
1/4	1/4	1/4	1/4	1/4	1/4	4,915.44	1/4	4,584.48	1/4	4,221.54	1/4	3,842.74	1/4	3,454.67	1/4	3,066.51	1/4	2,678.24	1/4
1/2	1/2	1/2	1/2	1/2	1/2	4,907.35	1/2	4,577.10	1/2	4,213.81	1/2	3,834.69	1/2	3,446.58	1/2	3,058.42	1/2	2,670.15	1/2
3/4	3/4	3/4	3/4	3/4	3/4	4,899.26	3/4	4,569.67	3/4	4,206.07	3/4	3,826.62	3/4	3,438.49	3/4	3,050.33	3/4	2,662.06	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'-07" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Portland, Texas 77588

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Signature



BARGE "KIRBY 28039"

2 STBD ULLAGE TABLE

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

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN
0	2,653.97	0	2,265.70	0	1,877.42	0	1,489.14	0	1,100.87	0	721.75	0	340.02	0		0		0	
1/4	2,645.88	1/4	2,257.51	1/4	1,869.33	1/4	1,481.05	1/4	1,092.78	1/4	713.99	1/4	331.93	1/4		1/4		1/4	
1/2	2,637.80	1/2	2,249.52	1/2	1,861.24	1/2	1,472.97	1/2	1,084.69	1/2	706.24	1/2	323.85	1/2		1/2		1/2	
3/4	2,629.71	3/4	2,241.43	3/4	1,853.15	3/4	1,464.88	3/4	1,076.60	3/4	698.48	3/4	315.76	3/4		3/4		3/4	
1	2,621.62	1	2,233.34	1	1,845.06	1	1,456.79	1	1,068.51	1	690.73	1	307.67	1		1		1	
1/4	2,613.53	1/4	2,225.25	1/4	1,836.97	1/4	1,448.70	1/4	1,060.42	1/4	682.98	1/4	299.58	1/4		1/4		1/4	
1/2	2,605.44	1/2	2,217.16	1/2	1,828.89	1/2	1,440.61	1/2	1,052.33	1/2	675.22	1/2	291.49	1/2		1/2		1/2	
3/4	2,597.35	3/4	2,209.07	3/4	1,820.80	3/4	1,432.52	3/4	1,044.24	3/4	667.47	3/4	283.40	3/4		3/4		3/4	
2	2,589.26	2	2,200.98	2	1,812.71	2	1,424.43	2	1,036.15	2	659.72	2	275.32	2		2		2	
1/4	2,581.17	1/4	2,192.90	1/4	1,804.62	1/4	1,416.34	1/4	1,028.06	1/4	651.97	1/4	267.23	1/4		1/4		1/4	
1/2	2,573.08	1/2	2,184.81	1/2	1,796.53	1/2	1,408.25	1/2	1,019.98	1/2	644.21	1/2	259.14	1/2		1/2		1/2	
3/4	2,564.99	3/4	2,176.72	3/4	1,788.44	3/4	1,400.16	3/4	1,011.89	3/4	636.45	3/4	251.05	3/4		3/4		3/4	
3	2,556.90	3	2,168.63	3	1,780.35	3	1,392.07	3	1,003.80	3	628.69	3	242.96	3		3		3	
1/4	2,548.82	1/4	2,160.54	1/4	1,772.26	1/4	1,383.99	1/4	995.71	1/4	620.92	1/4	234.88	1/4		1/4		1/4	
1/2	2,540.73	1/2	2,152.45	1/2	1,764.17	1/2	1,375.90	1/2	987.62	1/2	613.16	1/2	226.79	1/2		1/2		1/2	
3/4	2,532.64	3/4	2,144.36	3/4	1,756.08	3/4	1,367.81	3/4	979.53	3/4	605.38	3/4	218.70	3/4		3/4		3/4	
4	2,524.55	4	2,136.27	4	1,747.99	4	1,359.72	4	971.44	4	597.61	4	210.61	4		4		4	
1/4	2,516.46	1/4	2,128.18	1/4	1,739.91	1/4	1,351.63	1/4	963.35	1/4	589.83	1/4	202.52	1/4		1/4		1/4	
1/2	2,508.37	1/2	2,120.09	1/2	1,731.82	1/2	1,343.54	1/2	955.26	1/2	582.05	1/2	194.43	1/2		1/2		1/2	
3/4	2,500.28	3/4	2,112.00	3/4	1,723.73	3/4	1,335.45	3/4	947.33	3/4	574.12	3/4	186.35	3/4		3/4		3/4	
5	2,492.19	5	2,103.91	5	1,715.64	5	1,327.36	5	939.39	5	566.18	5	178.26	5		5		5	
1/4	2,484.10	1/4	2,095.83	1/4	1,707.55	1/4	1,319.27	1/4	931.45	1/4	558.25	1/4	170.17	1/4		1/4		1/4	
1/2	2,476.01	1/2	2,087.74	1/2	1,699.46	1/2	1,311.18	1/2	923.52	1/2	550.32	1/2	162.08	1/2		1/2		1/2	
3/4	2,467.92	3/4	2,079.65	3/4	1,691.37	3/4	1,303.09	3/4	915.74	3/4	542.23	3/4	153.99	3/4		3/4		3/4	
6	2,459.84	6	2,071.56	6	1,683.28	6	1,295.00	6	907.96	6	534.14	6	145.91	6		6		6	
1/4	2,451.75	1/4	2,063.47	1/4	1,675.19	1/4	1,286.92	1/4	900.18	1/4	526.05	1/4	137.82	1/4		1/4		1/4	
1/2	2,443.66	1/2	2,055.38	1/2	1,667.10	1/2	1,278.83	1/2	892.40	1/2	517.96	1/2	129.73	1/2		1/2		1/2	
3/4	2,435.57	3/4	2,047.29	3/4	1,659.01	3/4	1,270.74	3/4	884.63	3/4	509.87	3/4	121.64	3/4		3/4		3/4	
7	2,427.48	7	2,039.20	7	1,650.93	7	1,262.65	7	876.87	7	501.79	7	113.55	7		7		7	
1/4	2,419.39	1/4	2,031.11	1/4	1,642.84	1/4	1,254.56	1/4	869.10	1/4	493.70	1/4	105.46	1/4		1/4		1/4	
1/2	2,411.30	1/2	2,023.02	1/2	1,634.75	1/2	1,246.47	1/2	861.34	1/2	485.61	1/2	97.38	1/2		1/2		1/2	
3/4	2,403.21	3/4	2,014.93	3/4	1,626.66	3/4	1,238.38	3/4	853.58	3/4	477.52	3/4	89.29	3/4		3/4		3/4	
8	2,395.12	8	2,006.85	8	1,618.57	8	1,230.29	8	845.83	8	469.43	8	81.20	8		8		8	
1/4	2,387.03	1/4	1,998.76	1/4	1,610.48	1/4	1,222.20	1/4	838.07	1/4	461.35	1/4	73.11	1/4		1/4		1/4	
1/2	2,378.94	1/2	1,990.67	1/2	1,602.39	1/2	1,214.11	1/2	830.32	1/2	453.26	1/2	65.02	1/2		1/2		1/2	
3/4	2,370.86	3/4	1,982.58	3/4	1,594.30	3/4	1,206.02	3/4	822.56	3/4	445.17	3/4	57.95	3/4		3/4		3/4	
9	2,362.77	9	1,974.49	9	1,586.21	9	1,197.94	9	814.81	9	437.08	9	50.87	9		9		9	
1/4	2,354.68	1/4	1,966.40	1/4	1,578.12	1/4	1,189.85	1/4	807.05	1/4	428.99	1/4	43.79	1/4		1/4		1/4	
1/2	2,346.59	1/2	1,958.31	1/2	1,570.03	1/2	1,181.76	1/2	799.30	1/2	420.90	1/2	36.71	1/2		1/2		1/2	
3/4	2,338.50	3/4	1,950.22	3/4	1,561.95	3/4	1,173.67	3/4	791.54	3/4	412.82	3/4	31.65	3/4		3/4		3/4	
10	2,330.41	10	1,942.13	10	1,553.86	10	1,165.58	10	783.79	10	404.73	10	26.60	10		10		10	
1/4	2,322.32	1/4	1,934.04	1/4	1,545.77	1/4	1,157.49	1/4	776.03	1/4	396.64	1/4	21.54	1/4		1/4		1/4	
1/2	2,314.23	1/2	1,925.95	1/2	1,537.68	1/2	1,149.40	1/2	768.28	1/2	388.55	1/2	16.49	1/2		1/2		1/2	
3/4	2,306.14	3/4	1,917.87	3/4	1,529.59	3/4	1,141.31	3/4	760.52	3/4	380.46	3/4	11.44	3/4		3/4		3/4	
11	2,298.05	11	1,909.78	11	1,521.50	11	1,133.22	11	752.77	11	372.38	11	6.49	11		11		11	
1/4	2,289.96	1/4	1,901.69	1/4	1,513.41	1/4	1,125.13	1/4	745.01	1/4	364.29	1/4	1.54	1/4		1/4		1/4	
1/2	2,281.88	1/2	1,893.60	1/2	1,505.32	1/2	1,117.04	1/2	737.26	1/2	356.20	1/2	0.00	1/2		1/2		1/2	
3/4	2,273.79	3/4	1,885.51	3/4	1,497.23	3/4	1,108.96	3/4	729.50	3/4	348.11	3/4	0.00	3/4		3/4		3/4	

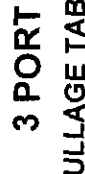
CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/23/2005 CL - SW
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CANCELS AND SUPERCEDES
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PRECISION MEASUREMENT
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P.O. Box 2092
Pearland, Texas 77588
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The Joanne



GAUGE HEIGHT 16'-10 3/8"

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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SHEET NO. 9 OF 12



BARGE "KIRBY 28039"

3 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-10 3/8"

N	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	2,478.90	0	2,117.73	0	1,756.56	0	1,395.39	0	1,034.48	0
1/4	2,471.38	1/4	2,110.21	1/4	1,749.04	1/4	1,387.86	1/4	1,026.98	1/4
1/2	2,463.85	1/2	2,102.68	1/2	1,741.51	1/2	1,380.34	1/2	1,019.48	1/2
3/4	2,456.33	3/4	2,095.16	3/4	1,733.99	3/4	1,372.82	3/4	1,011.98	3/4
1	2,448.80	1	2,087.63	1	1,726.46	1	1,365.29	1	1,004.48	1
1/4	2,441.28	1/4	2,080.11	1/4	1,718.94	1/4	1,357.77	1/4	996.98	1/4
1/2	2,433.76	1/2	2,072.58	1/2	1,711.41	1/2	1,350.24	1/2	989.48	1/2
3/4	2,426.23	3/4	2,065.06	3/4	1,703.89	3/4	1,342.72	3/4	981.98	3/4
2	2,418.71	2	2,057.54	2	1,696.36	2	1,335.19	2	974.48	2
1/4	2,411.18	1/4	2,050.01	1/4	1,688.84	1/4	1,327.67	1/4	966.98	1/4
1/2	2,403.66	1/2	2,042.49	1/2	1,681.32	1/2	1,320.14	1/2	959.48	1/2
3/4	2,396.13	3/4	2,034.96	3/4	1,673.79	3/4	1,312.62	3/4	951.98	3/4
3	2,388.61	3	2,027.44	3	1,666.27	3	1,305.10	3	944.49	3
1/4	2,381.09	1/4	2,019.91	1/4	1,658.74	1/4	1,297.57	1/4	936.99	1/4
1/2	2,373.56	1/2	2,012.39	1/2	1,651.22	1/2	1,290.05	1/2	929.49	1/2
3/4	2,366.04	3/4	2,004.87	3/4	1,643.69	3/4	1,282.52	3/4	921.99	3/4
4	2,358.51	4	1,997.34	4	1,636.17	4	1,275.00	4	914.49	4
1/4	2,350.99	1/4	1,989.82	1/4	1,628.65	1/4	1,267.47	1/4	906.99	1/4
1/2	2,343.46	1/2	1,982.29	1/2	1,621.12	1/2	1,259.95	1/2	899.49	1/2
3/4	2,335.94	3/4	1,974.77	3/4	1,613.60	3/4	1,252.43	3/4	891.99	3/4
5	2,328.41	5	1,967.24	5	1,606.07	5	1,244.90	5	884.49	5
1/4	2,320.89	1/4	1,959.72	1/4	1,598.55	1/4	1,237.38	1/4	876.99	1/4
1/2	2,313.37	1/2	1,952.19	1/2	1,591.02	1/2	1,229.85	1/2	869.48	1/2
3/4	2,305.84	3/4	1,944.67	3/4	1,583.50	3/4	1,222.33	3/4	861.98	3/4
6	2,298.32	6	1,937.15	6	1,575.97	6	1,214.80	6	854.43	6
1/4	2,290.79	1/4	1,929.62	1/4	1,568.45	1/4	1,207.28	1/4	846.91	1/4
1/2	2,283.27	1/2	1,922.10	1/2	1,560.93	1/2	1,199.75	1/2	839.38	1/2
3/4	2,275.74	3/4	1,914.57	3/4	1,553.40	3/4	1,192.23	3/4	831.86	3/4
7	2,268.22	7	1,907.05	7	1,545.88	7	1,184.71	7	824.33	7
1/4	2,260.69	1/4	1,899.52	1/4	1,538.35	1/4	1,177.18	1/4	816.81	1/4
1/2	2,253.17	1/2	1,892.00	1/2	1,530.83	1/2	1,169.66	1/2	809.29	1/2
3/4	2,245.65	3/4	1,884.47	3/4	1,523.30	3/4	1,162.13	3/4	801.76	3/4
8	2,238.12	8	1,876.95	8	1,515.78	8	1,154.61	8	794.24	8
1/4	2,230.60	1/4	1,869.43	1/4	1,508.25	1/4	1,147.08	1/4	786.71	1/4
1/2	2,223.07	1/2	1,861.90	1/2	1,500.73	1/2	1,139.56	1/2	779.19	1/2
3/4	2,215.55	3/4	1,854.38	3/4	1,493.21	3/4	1,132.03	3/4	771.67	3/4
9	2,208.02	9	1,846.85	9	1,485.68	9	1,124.51	9	764.14	9
1/4	2,200.50	1/4	1,839.33	1/4	1,478.16	1/4	1,116.99	1/4	756.62	1/4
1/2	2,192.98	1/2	1,831.80	1/2	1,470.63	1/2	1,109.47	1/2	749.09	1/2
3/4	2,185.45	3/4	1,824.28	3/4	1,463.11	3/4	1,101.97	3/4	741.57	3/4
10	2,177.93	10	1,816.76	10	1,455.58	10	1,094.48	10	734.05	10
1/4	2,170.40	1/4	1,809.23	1/4	1,448.06	1/4	1,086.98	1/4	726.52	1/4
1/2	2,162.88	1/2	1,801.71	1/2	1,440.54	1/2	1,079.48	1/2	719.00	1/2
3/4	2,155.35	3/4	1,794.18	3/4	1,433.01	3/4	1,071.98	3/4	711.47	3/4
11	2,147.83	11	1,786.66	11	1,425.49	11	1,064.48	11	703.95	11
1/4	2,140.30	1/4	1,779.13	1/4	1,417.96	1/4	1,056.98	1/4	696.43	1/4
1/2	2,132.78	1/2	1,771.61	1/2	1,410.44	1/2	1,049.48	1/2	688.90	1/2
3/4	2,125.26	3/4	1,764.08	3/4	1,402.91	3/4	1,041.98	3/4	681.38	3/4

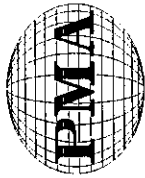
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& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>

Tom J. Gamm



BARGE "KIRBY 28039"

3 STBD

ULLAGE TABLE

GAUGE HEIGHT 16'-10 1/2"

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

IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	0	0	0	4,602.26	0	4,336.55	0	3,797.92	0	3,182.48
1/4	1/4	1/4	1/4	4,597.66	1/4	4,331.21	1/4	3,792.05	1/4	3,174.97
1/2	1/2	1/2	1/2	4,593.06	1/2	4,326.87	1/2	3,786.12	1/2	3,167.46
3/4	3/4	3/4	3/4	4,588.93	3/4	4,320.51	3/4	3,780.28	3/4	3,159.95
1	1	1	1	4,580.79	1	4,315.15	1	3,774.39	1	3,152.44
1/4	1/4	1/4	1/4	4,574.66	1/4	4,309.79	1/4	3,768.50	1/4	3,144.93
1/2	1/2	1/2	1/2	4,568.53	1/2	4,304.43	1/2	3,762.60	1/2	3,137.42
3/4	3/4	3/4	3/4	4,562.40	3/4	4,299.05	3/4	3,756.69	3/4	3,129.91
2	2	2	2	4,556.26	2	4,293.67	2	3,750.77	2	3,122.40
1/4	1/4	1/4	1/4	4,550.13	1/4	4,288.29	1/4	3,744.85	1/4	3,114.89
1/2	1/2	1/2	1/2	4,544.00	1/2	4,282.91	1/2	3,738.93	1/2	3,107.39
3/4	3/4	3/4	3/4	4,537.86	3/4	4,277.52	3/4	3,733.00	3/4	3,099.88
3	3	3	3	4,531.73	3	4,272.12	3	3,727.06	3	3,092.37
1/4	1/4	1/4	1/4	4,525.60	1/4	4,266.72	1/4	3,721.12	1/4	3,084.86
1/2	1/2	1/2	1/2	4,519.47	1/2	4,261.32	1/2	3,715.19	1/2	3,077.35
3/4	3/4	3/4	3/4	4,513.33	3/4	4,255.90	3/4	3,709.23	3/4	3,069.84
4	4	4	4	4,507.20	4	4,250.48	4	3,703.28	4	3,062.33
1/4	1/4	1/4	1/4	4,501.07	1/4	4,245.06	1/4	3,697.32	1/4	3,054.82
1/2	1/2	1/2	1/2	4,494.93	1/2	4,239.63	1/2	3,691.37	1/2	3,047.31
3/4	3/4	3/4	3/4	4,488.79	3/4	4,234.19	3/4	3,685.39	3/4	3,039.80
5	5	5	5	4,482.64	5	4,228.75	5	3,679.41	5	3,032.30
1/4	1/4	1/4	1/4	4,476.50	1/4	4,223.31	1/4	3,673.43	1/4	3,024.79
1/2	1/2	1/2	1/2	4,470.37	1/2	4,217.87	1/2	3,667.46	1/2	3,017.28
3/4	3/4	3/4	3/4	4,464.23	3/4	4,212.41	3/4	3,661.48	3/4	3,009.77
6	6	6	6	4,458.09	6	4,206.95	6	3,655.46	6	3,002.26
1/4	1/4	1/4	1/4	4,451.95	1/4	4,201.49	1/4	3,649.46	1/4	2,994.75
1/2	1/2	1/2	1/2	4,445.81	1/2	4,196.03	1/2	3,643.46	1/2	2,987.24
3/4	3/4	3/4	3/4	4,439.67	3/4	4,190.55	3/4	3,637.44	3/4	2,979.73
7	7	7	7	4,433.52	7	4,185.07	7	3,631.41	7	2,972.22
1/4	1/4	1/4	1/4	4,427.38	1/4	4,179.58	1/4	3,625.39	1/4	2,964.71
1/2	1/2	1/2	1/2	4,421.23	1/2	4,174.10	1/2	3,619.36	1/2	2,957.21
3/4	3/4	3/4	3/4	4,415.09	3/4	4,168.60	3/4	3,613.32	3/4	2,949.70
8	8	8	8	4,408.94	8	4,163.09	8	3,607.28	8	2,942.19
1/4	1/4	1/4	1/4	4,402.79	1/4	4,157.59	1/4	3,601.24	1/4	2,934.68
1/2	1/2	1/2	1/2	4,396.64	1/2	4,152.09	1/2	3,595.20	1/2	2,927.17
3/4	3/4	3/4	3/4	4,390.49	3/4	4,146.53	3/4	3,589.14	3/4	2,919.66
9	9	9	9	4,384.34	9	4,140.97	9	3,583.08	9	2,912.15
1/4	1/4	1/4	1/4	4,378.19	1/4	4,135.41	1/4	3,577.02	1/4	2,904.64
1/2	1/2	1/2	1/2	4,372.04	1/2	4,129.85	1/2	3,570.96	1/2	2,897.13
3/4	3/4	3/4	3/4	4,365.89	3/4	4,124.27	3/4	3,564.88	3/4	2,889.62
10	10	10	10	4,359.73	10	4,118.69	10	3,558.79	10	2,882.12
1/4	1/4	1/4	1/4	4,353.58	1/4	4,113.11	1/4	3,552.70	1/4	2,874.61
1/2	1/2	1/2	1/2	4,347.42	1/2	4,107.52	1/2	3,546.62	1/2	2,867.10
3/4	3/4	3/4	3/4	4,341.27	3/4	4,101.92	3/4	3,540.52	3/4	2,859.59
11	11	11	11	4,335.11	11	4,096.32	11	3,534.41	11	2,852.08
1/4	1/4	1/4	1/4	4,328.96	1/4	4,090.72	1/4	3,528.31	1/4	2,844.57
1/2	1/2	1/2	1/2	4,322.80	1/2	4,085.12	1/2	3,522.21	1/2	2,837.06
3/4	3/4	3/4	3/4	4,316.64	3/4	4,079.49	3/4	3,516.09	3/4	2,829.55

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 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 40'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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Paul J. Mac



BARGE "KIRBY 28039"

3 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	2,481.56	0	2,101.13	0	1,743.63	0	1,383.23	0	1,026.31	0	673.03	0	316.28	0	0	0	0	0	0
1/4	2,484.06	1/4	2,093.62	1/4	1,736.18	1/4	1,375.71	1/4	1,018.94	1/4	665.69	1/4	308.77	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,446.55	1/2	2,086.11	1/2	1,728.74	1/2	1,368.20	1/2	1,011.58	1/2	658.35	1/2	301.25	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,439.04	3/4	2,078.67	3/4	1,721.22	3/4	1,360.69	3/4	1,004.21	3/4	651.01	3/4	293.74	3/4	3/4	3/4	3/4	3/4	3/4
1	2,431.54	1	2,071.22	1	1,713.71	1	1,353.18	1	996.84	1	643.66	1	286.23	1	1	1	1	1	1
1/4	2,424.03	1/4	2,063.77	1/4	1,706.20	1/4	1,345.67	1/4	989.47	1/4	636.32	1/4	278.72	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,416.52	1/2	2,056.33	1/2	1,698.69	1/2	1,338.16	1/2	982.10	1/2	628.98	1/2	271.21	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,409.02	3/4	2,048.88	3/4	1,691.18	3/4	1,330.65	3/4	974.74	3/4	621.64	3/4	263.69	3/4	3/4	3/4	3/4	3/4	3/4
2	2,401.51	2	2,041.44	2	1,683.67	2	1,323.14	2	967.37	2	614.29	2	256.18	2	2	2	2	2	2
1/4	2,394.00	1/4	2,033.99	1/4	1,676.16	1/4	1,315.63	1/4	960.00	1/4	606.95	1/4	248.67	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,386.50	1/2	2,026.55	1/2	1,668.65	1/2	1,308.11	1/2	952.63	1/2	599.60	1/2	241.16	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,378.99	3/4	2,019.10	3/4	1,661.14	3/4	1,300.60	3/4	945.27	3/4	592.26	3/4	233.65	3/4	3/4	3/4	3/4	3/4	3/4
3	2,371.48	3	2,011.66	3	1,653.62	3	1,293.09	3	937.90	3	584.92	3	226.13	3	3	3	3	3	3
1/4	2,363.98	1/4	2,004.21	1/4	1,646.11	1/4	1,285.58	1/4	930.53	1/4	577.58	1/4	218.62	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,356.47	1/2	1,996.77	1/2	1,638.60	1/2	1,278.07	1/2	923.16	1/2	570.23	1/2	211.11	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,348.96	3/4	1,989.32	3/4	1,631.09	3/4	1,270.56	3/4	915.80	3/4	562.88	3/4	203.59	3/4	3/4	3/4	3/4	3/4	3/4
4	2,341.46	4	1,981.88	4	1,623.58	4	1,263.05	4	908.43	4	555.52	4	196.06	4	4	4	4	4	4
1/4	2,333.95	1/4	1,974.43	1/4	1,616.07	1/4	1,255.54	1/4	901.06	1/4	548.16	1/4	188.54	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,326.44	1/2	1,966.99	1/2	1,608.56	1/2	1,248.03	1/2	893.69	1/2	540.81	1/2	181.01	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,318.94	3/4	1,959.54	3/4	1,601.05	3/4	1,240.51	3/4	886.32	3/4	533.44	3/4	173.49	3/4	3/4	3/4	3/4	3/4	3/4
5	2,311.43	5	1,952.09	5	1,593.54	5	1,233.00	5	878.96	5	526.06	5	165.97	5	5	5	5	5	5
1/4	2,303.92	1/4	1,944.65	1/4	1,586.03	1/4	1,225.49	1/4	871.59	1/4	518.69	1/4	158.44	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,296.42	1/2	1,937.20	1/2	1,578.51	1/2	1,217.98	1/2	864.22	1/2	511.32	1/2	150.92	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,288.91	3/4	1,929.76	3/4	1,571.00	3/4	1,210.47	3/4	856.85	3/4	503.88	3/4	143.40	3/4	3/4	3/4	3/4	3/4	3/4
6	2,281.40	6	1,922.31	6	1,563.49	6	1,202.93	6	849.47	6	496.43	6	135.87	6	6	6	6	6	6
1/4	2,273.89	1/4	1,914.87	1/4	1,555.98	1/4	1,195.86	1/4	842.10	1/4	488.99	1/4	128.35	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,266.37	1/2	1,907.42	1/2	1,548.47	1/2	1,188.35	1/2	834.72	1/2	481.55	1/2	120.82	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,258.86	3/4	1,899.98	3/4	1,540.96	3/4	1,181.11	3/4	827.35	3/4	474.03	3/4	113.30	3/4	3/4	3/4	3/4	3/4	3/4
7	2,251.35	7	1,892.53	7	1,533.45	7	1,173.73	7	819.98	7	466.52	7	105.78	7	7	7	7	7	7
1/4	2,243.84	1/4	1,885.09	1/4	1,525.94	1/4	1,166.36	1/4	812.61	1/4	459.01	1/4	98.25	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,236.33	1/2	1,877.64	1/2	1,518.43	1/2	1,158.98	1/2	805.24	1/2	451.50	1/2	90.73	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,228.82	3/4	1,870.20	3/4	1,510.91	3/4	1,151.61	3/4	797.89	3/4	443.98	3/4	83.20	3/4	3/4	3/4	3/4	3/4	3/4
8	2,221.31	8	1,862.75	8	1,503.40	8	1,144.24	8	790.53	8	436.47	8	75.68	8	8	8	8	8	8
1/4	2,213.80	1/4	1,855.31	1/4	1,495.89	1/4	1,136.86	1/4	783.18	1/4	428.96	1/4	68.16	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,206.29	1/2	1,847.86	1/2	1,488.38	1/2	1,129.49	1/2	775.82	1/2	421.45	1/2	60.63	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,198.78	3/4	1,840.42	3/4	1,480.87	3/4	1,122.11	3/4	768.48	3/4	413.94	3/4	54.05	3/4	3/4	3/4	3/4	3/4	3/4
9	2,191.26	9	1,832.97	9	1,473.36	9	1,114.74	9	761.14	9	406.42	9	47.47	9	9	9	9	9	9
1/4	2,183.75	1/4	1,825.52	1/4	1,465.85	1/4	1,107.36	1/4	753.80	1/4	398.91	1/4	40.88	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,176.24	1/2	1,818.08	1/2	1,458.34	1/2	1,099.99	1/2	746.46	1/2	391.40	1/2	34.30	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,168.73	3/4	1,810.63	3/4	1,450.83	3/4	1,092.62	3/4	739.12	3/4	383.89	3/4	29.60	3/4	3/4	3/4	3/4	3/4	3/4
10	2,161.22	10	1,803.19	10	1,443.31	10	1,085.25	10	731.78	10	376.38	10	24.89	10	10	10	10	10	10
1/4	2,153.71	1/4	1,795.74	1/4	1,435.80	1/4	1,077.88	1/4	724.43	1/4	368.86	1/4	20.19	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,146.20	1/2	1,788.30	1/2	1,428.29	1/2	1,070.52	1/2	717.09	1/2	361.35	1/2	15.49	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,138.69	3/4	1,780.85	3/4	1,420.78	3/4	1,063.15	3/4	709.75	3/4	353.84	3/4	15.49	3/4	3/4	3/4	3/4	3/4	3/4
11	2,131.18	11	1,773.41	11	1,413.27	11	1,055.78	11	702.41	11	346.33	11	11	11	11	11	11	11	11
1/4	2,123.67	1/4	1,765.96	1/4	1,405.76	1/4	1,048.41	1/4	695.06	1/4	338.82	1/4	11	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,116.15	1/2	1,758.52	1/2	1,398.25	1/2	1,041.05	1/2	687.72	1/2	331.30	1/2	12	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,108.64	3/4	1,751.07	3/4	1,390.74	3/4	1,033.68	3/4	680.38	3/4	323.79	3/4	12	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/23/2005 CL - SW
CALCULATED: 05/24/2005 CL
PRINTED: 05/24/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2005

PRECISION MEASUREMENT
& ANALYSIS, INC.
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