



BARGE "KIRBY 28073"

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	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-3/4	- 02-3/4
1 STBD	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-7/8	- 01-7/8	02-1/4	- 02-1/4	02-3/4	- 02-3/4
2 PORT	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-5/8	- 02-5/8
2 STBD	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-5/8	- 02-5/8
3 PORT	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-3/4	- 02-3/4
3 STBD	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-3/4	- 02-3/4

(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 - 00-7/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 1/8"

LENGTH BETWEEN DRAFT MARKS: 241'-06"

May 14, 2006

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28073"

1 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,830.68	0	4,504.20	0	4,170.61	0	3,813.46	0	3,447.14	0	3,080.82	0	2,714.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,825.05	1/4	4,497.51	1/4	4,163.40	1/4	3,805.83	1/4	3,439.51	1/4	3,073.19	1/4	2,706.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,818.21	1/2	4,490.79	1/2	4,156.14	1/2	3,798.20	1/2	3,431.88	1/2	3,065.56	1/2	2,699.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,811.38	3/4	4,484.07	3/4	4,148.89	3/4	3,790.57	3/4	3,424.25	3/4	3,057.93	3/4	2,691.60
1		1		1		1	4,804.55	1	4,477.34	1	4,141.64	1	3,782.94	1	3,416.62	1	3,050.29	1	2,683.97
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,797.72	1/4	4,470.62	1/4	4,134.39	1/4	3,775.31	1/4	3,408.98	1/4	3,042.66	1/4	2,676.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,790.25	1/2	4,463.86	1/2	4,127.09	1/2	3,767.67	1/2	3,401.35	1/2	3,035.03	1/2	2,668.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,782.79	3/4	4,457.11	3/4	4,119.80	3/4	3,760.04	3/4	3,393.72	3/4	3,027.40	3/4	2,661.08
2		2		2		2	4,775.32	2	4,450.35	2	4,112.51	2	3,752.41	2	3,386.09	2	3,019.77	2	2,653.45
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,767.85	1/4	4,443.59	1/4	4,105.22	1/4	3,744.78	1/4	3,378.46	1/4	3,012.14	1/4	2,645.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,760.30	1/2	4,436.80	1/2	4,097.90	1/2	3,737.15	1/2	3,370.83	1/2	3,004.50	1/2	2,638.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,752.76	3/4	4,430.01	3/4	4,090.57	3/4	3,729.52	3/4	3,363.19	3/4	2,996.87	3/4	2,630.55
3		3		3		3	4,745.21	3	4,423.21	3	4,083.25	3	3,721.88	3	3,355.56	3	2,989.24	3	2,622.92
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,737.66	1/4	4,416.42	1/4	4,075.92	1/4	3,714.25	1/4	3,347.93	1/4	2,981.61	1/4	2,615.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,730.39	1/2	4,409.58	1/2	4,068.56	1/2	3,706.62	1/2	3,340.30	1/2	2,973.98	1/2	2,607.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,723.13	3/4	4,402.75	3/4	4,061.21	3/4	3,698.99	3/4	3,332.67	3/4	2,966.35	3/4	2,600.02
4		4		4		4	4,715.86	4	4,395.92	4	4,053.85	4	3,691.36	4	3,325.04	4	2,958.71	4	2,592.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,708.59	1/4	4,389.09	1/4	4,046.49	1/4	3,683.73	1/4	3,317.40	1/4	2,951.08	1/4	2,584.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,701.87	1/2	4,382.22	1/2	4,039.10	1/2	3,676.09	1/2	3,309.77	1/2	2,943.45	1/2	2,577.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,695.15	3/4	4,375.35	3/4	4,031.70	3/4	3,668.46	3/4	3,302.14	3/4	2,935.82	3/4	2,569.50
5		5		5		5	4,688.44	5	4,368.48	5	4,024.31	5	3,660.83	5	3,294.51	5	2,928.19	5	2,561.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,681.72	1/4	4,361.61	1/4	4,016.92	1/4	3,653.20	1/4	3,286.88	1/4	2,920.56	1/4	2,554.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,675.25	1/2	4,354.71	1/2	4,009.49	1/2	3,645.57	1/2	3,279.25	1/2	2,912.92	1/2	2,546.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,668.78	3/4	4,347.80	3/4	4,002.05	3/4	3,637.93	3/4	3,271.61	3/4	2,905.29	3/4	2,538.97
6		6		6		6	4,662.32	6	4,340.89	6	3,994.62	6	3,630.30	6	3,263.98	6	2,897.66	6	2,531.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,655.85	1/4	4,333.99	1/4	3,987.19	1/4	3,622.67	1/4	3,256.35	1/4	2,890.03	1/4	2,523.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,649.35	1/2	4,327.02	1/2	3,979.73	1/2	3,615.04	1/2	3,248.72	1/2	2,882.40	1/2	2,516.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,642.84	3/4	4,320.06	3/4	3,972.26	3/4	3,607.41	3/4	3,241.09	3/4	2,874.76	3/4	2,508.44
7		7		7		7	4,636.34	7	4,313.09	7	3,964.79	7	3,599.78	7	3,233.45	7	2,867.13	7	2,500.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,629.83	1/4	4,306.13	1/4	3,957.32	1/4	3,592.14	1/4	3,225.82	1/4	2,859.50	1/4	2,493.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,623.29	1/2	4,299.08	1/2	3,949.82	1/2	3,584.51	1/2	3,218.19	1/2	2,851.87	1/2	2,485.55
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,616.75	3/4	4,292.04	3/4	3,942.31	3/4	3,576.88	3/4	3,210.56	3/4	2,844.24	3/4	2,477.92
8		8		8		8	4,610.21	8	4,284.99	8	3,934.80	8	3,569.25	8	3,202.93	8	2,836.61	8	2,470.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,603.67	1/4	4,277.95	1/4	3,927.30	1/4	3,561.62	1/4	3,195.30	1/4	2,828.97	1/4	2,462.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,597.09	1/2	4,270.84	1/2	3,919.76	1/2	3,553.99	1/2	3,187.66	1/2	2,821.34	1/2	2,455.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,590.51	3/4	4,263.74	3/4	3,912.21	3/4	3,546.35	3/4	3,180.03	3/4	2,813.71	3/4	2,447.39
9		9		9		9	4,583.93	9	4,256.64	9	3,904.67	9	3,538.72	9	3,172.40	9	2,806.08	9	2,439.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,577.35	1/4	4,249.53	1/4	3,897.13	1/4	3,531.09	1/4	3,164.77	1/4	2,798.45	1/4	2,432.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,570.73	1/2	4,242.39	1/2	3,889.55	1/2	3,523.46	1/2	3,157.14	1/2	2,790.82	1/2	2,424.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,564.12	3/4	4,235.25	3/4	3,881.97	3/4	3,515.83	3/4	3,149.51	3/4	2,783.18	3/4	2,416.86
10		10		10		10	4,557.50	10	4,228.11	10	3,874.39	10	3,508.20	10	3,141.87	10	2,775.55	10	2,409.23
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,550.88	1/4	4,220.97	1/4	3,866.81	1/4	3,500.56	1/4	3,134.24	1/4	2,767.92	1/4	2,401.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,544.23	1/2	4,213.79	1/2	3,859.19	1/2	3,492.93	1/2	3,126.61	1/2	2,760.29	1/2	2,393.97
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,537.57	3/4	4,206.61	3/4	3,851.58	3/4	3,485.30	3/4	3,118.98	3/4	2,752.66	3/4	2,386.34
11		11		11		11	4,530.92	11	4,199.44	11	3,843.97	11	3,477.67	11	3,111.35	11	2,745.03	11	2,378.70
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,524.27	1/4	4,192.26	1/4	3,836.36	1/4	3,470.04	1/4	3,103.72	1/4	2,737.39	1/4	2,371.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,517.58	1/2	4,185.04	1/2	3,828.73	1/2	3,462.41	1/2	3,096.08	1/2	2,729.76	1/2	2,363.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,836.32	3/4	4,510.89	3/4	4,177.83	3/4	3,821.10	3/4	3,454.77	3/4	3,088.45	3/4	2,722.13

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 53'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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<http://www.pmacorp.net>



BARGE "KIRBY 28073"

1 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 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	2,348.18	0	1,981.86	0	1,615.52	0	1,249.84	0	885.72	0	519.65	0	174.83	0		0		0	
1/4	2,340.55	1/4	1,974.22	1/4	1,607.89	1/4	1,242.20	1/4	878.15	1/4	512.01	1/4	168.13	1/4		1/4		1/4	
1/2	2,332.91	1/2	1,966.59	1/2	1,600.26	1/2	1,234.57	1/2	870.56	1/2	504.40	1/2	161.52	1/2		1/2		1/2	
3/4	2,325.28	3/4	1,958.96	3/4	1,592.62	3/4	1,226.94	3/4	862.96	3/4	496.79	3/4	154.90	3/4		3/4		3/4	
1	2,317.65	1	1,951.33	1	1,584.99	1	1,219.31	1	855.37	1	489.18	1	148.29	1		1		1	
1/4	2,310.02	1/4	1,943.70	1/4	1,577.36	1/4	1,211.67	1/4	847.78	1/4	481.57	1/4	141.68	1/4		1/4		1/4	
1/2	2,302.39	1/2	1,936.06	1/2	1,569.73	1/2	1,204.06	1/2	840.17	1/2	474.02	1/2	135.16	1/2		1/2		1/2	
3/4	2,294.76	3/4	1,928.43	3/4	1,562.10	3/4	1,196.44	3/4	832.55	3/4	466.47	3/4	128.64	3/4		3/4		3/4	
2	2,287.12	2	1,920.80	2	1,554.46	2	1,188.82	2	824.93	2	458.92	2	122.12	2		2		2	
1/4	2,279.49	1/4	1,913.17	1/4	1,546.83	1/4	1,181.20	1/4	817.31	1/4	451.38	1/4	115.60	1/4		1/4		1/4	
1/2	2,271.86	1/2	1,905.54	1/2	1,539.20	1/2	1,173.61	1/2	809.68	1/2	443.91	1/2	109.18	1/2		1/2		1/2	
3/4	2,264.23	3/4	1,897.90	3/4	1,531.57	3/4	1,166.02	3/4	802.05	3/4	436.45	3/4	102.76	3/4		3/4		3/4	
3	2,256.60	3	1,890.27	3	1,523.94	3	1,158.43	3	794.41	3	428.99	3	96.33	3		3		3	
1/4	2,248.97	1/4	1,882.64	1/4	1,516.30	1/4	1,150.84	1/4	786.78	1/4	421.52	1/4	89.91	1/4		1/4		1/4	
1/2	2,241.33	1/2	1,875.01	1/2	1,508.67	1/2	1,143.26	1/2	779.15	1/2	414.14	1/2	83.59	1/2		1/2		1/2	
3/4	2,233.70	3/4	1,867.38	3/4	1,501.04	3/4	1,135.68	3/4	771.52	3/4	406.77	3/4	77.27	3/4		3/4		3/4	
4	2,226.07	4	1,859.74	4	1,493.41	4	1,128.11	4	763.89	4	399.39	4	70.95	4		4		4	
1/4	2,218.44	1/4	1,852.11	1/4	1,485.78	1/4	1,120.53	1/4	756.25	1/4	392.01	1/4	64.64	1/4		1/4		1/4	
1/2	2,210.81	1/2	1,844.48	1/2	1,478.16	1/2	1,112.96	1/2	748.62	1/2	384.72	1/2	58.44	1/2		1/2		1/2	
3/4	2,203.18	3/4	1,836.85	3/4	1,470.54	3/4	1,105.38	3/4	740.99	3/4	377.42	3/4	52.24	3/4		3/4		3/4	
5	2,195.54	5	1,829.22	5	1,462.92	5	1,097.81	5	733.36	5	370.13	5	46.04	5		5		5	
1/4	2,187.91	1/4	1,821.58	1/4	1,455.30	1/4	1,090.23	1/4	725.72	1/4	362.84	1/4	39.84	1/4		1/4		1/4	
1/2	2,180.28	1/2	1,813.95	1/2	1,447.70	1/2	1,082.66	1/2	718.09	1/2	355.63	1/2	34.33	1/2		1/2		1/2	
3/4	2,172.65	3/4	1,806.32	3/4	1,440.09	3/4	1,075.09	3/4	710.46	3/4	348.42	3/4	28.83	3/4		3/4		3/4	
6	2,165.02	6	1,798.69	6	1,432.49	6	1,067.51	6	702.83	6	341.21	6	23.33	6		6		6	
1/4	2,157.39	1/4	1,791.06	1/4	1,424.89	1/4	1,059.94	1/4	695.19	1/4	334.00	1/4	17.82	1/4		1/4		1/4	
1/2	2,149.75	1/2	1,783.42	1/2	1,417.28	1/2	1,052.36	1/2	687.56	1/2	326.88	1/2	14.26	1/2		1/2		1/2	
3/4	2,142.12	3/4	1,775.79	3/4	1,409.68	3/4	1,044.79	3/4	679.93	3/4	319.76	3/4	10.70	3/4		3/4		3/4	
7	2,134.49	7	1,768.16	7	1,402.07	7	1,037.21	7	672.30	7	312.63	7	7.15	7		7		7	
1/4	2,126.86	1/4	1,760.53	1/4	1,394.47	1/4	1,029.64	1/4	664.67	1/4	305.51	1/4	3.59	1/4		1/4		1/4	
1/2	2,119.23	1/2	1,752.90	1/2	1,386.86	1/2	1,022.07	1/2	657.03	1/2	298.47	1/2		1/2		1/2		1/2	
3/4	2,111.59	3/4	1,745.26	3/4	1,379.26	3/4	1,014.49	3/4	649.40	3/4	291.43	3/4		3/4		3/4		3/4	
8	2,103.96	8	1,737.63	8	1,371.65	8	1,006.92	8	641.77	8	284.39	8		8		8		8	
1/4	2,096.33	1/4	1,730.00	1/4	1,364.05	1/4	999.34	1/4	634.14	1/4	277.35	1/4		1/4		1/4		1/4	
1/2	2,088.70	1/2	1,722.37	1/2	1,356.44	1/2	991.77	1/2	626.50	1/2	270.40	1/2		1/2		1/2		1/2	
3/4	2,081.07	3/4	1,714.74	3/4	1,348.84	3/4	984.19	3/4	618.87	3/4	263.45	3/4		3/4		3/4		3/4	
9	2,073.44	9	1,707.10	9	1,341.23	9	976.62	9	611.24	9	256.49	9		9		9		9	
1/4	2,065.80	1/4	1,699.47	1/4	1,333.63	1/4	969.05	1/4	603.61	1/4	249.54	1/4		1/4		1/4		1/4	
1/2	2,058.17	1/2	1,691.84	1/2	1,326.02	1/2	961.47	1/2	595.97	1/2	242.67	1/2		1/2		1/2		1/2	
3/4	2,050.54	3/4	1,684.21	3/4	1,318.42	3/4	953.90	3/4	588.34	3/4	235.80	3/4		3/4		3/4		3/4	
10	2,042.91	10	1,676.58	10	1,310.81	10	946.32	10	580.71	10	228.93	10		10		10		10	
1/4	2,035.28	1/4	1,668.94	1/4	1,303.21	1/4	938.75	1/4	573.07	1/4	222.06	1/4		1/4		1/4		1/4	
1/2	2,027.65	1/2	1,661.31	1/2	1,295.59	1/2	931.17	1/2	565.44	1/2	215.28	1/2		1/2		1/2		1/2	
3/4	2,020.01	3/4	1,653.68	3/4	1,287.97	3/4	923.60	3/4	557.81	3/4	208.49	3/4		3/4		3/4		3/4	
11	2,012.38	11	1,646.05	11	1,280.35	11	916.03	11	550.18	11	201.71	11		11		11		11	
1/4	2,004.75	1/4	1,638.42	1/4	1,272.73	1/4	908.45	1/4	542.54	1/4	194.92	1/4		1/4		1/4		1/4	
1/2	1,997.12	1/2	1,630.78	1/2	1,265.10	1/2	900.87	1/2	534.91	1/2	188.23	1/2		1/2		1/2		1/2	
3/4	1,989.49	3/4	1,623.15	3/4	1,257.47	3/4	893.30	3/4	527.28	3/4	181.53	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/11/2006 CL - SW
CALCULATED: 05/14/2006 CL
PRINTED: 05/14/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2006

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 28073"

1 STBD

ULLAGE TABLE

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

Gauge Height 16'-08"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,521.35	0	4,189.67	0	3,834.11	0	3,468.14	0	3,102.16	0	2,736.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,514.67	1/4	4,182.46	1/4	3,826.48	1/4	3,460.51	1/4	3,094.54	1/4	2,728.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,507.99	1/2	4,175.25	1/2	3,818.86	1/2	3,452.89	1/2	3,086.91	1/2	2,720.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,501.31	3/4	4,168.04	3/4	3,811.24	3/4	3,445.27	3/4	3,079.29	3/4	2,713.31
1		1		1		1		1	4,821.84	1	4,494.62	1	4,160.83	1	3,803.62	1	3,437.64	1	3,071.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,815.02	1/4	4,487.91	1/4	4,153.59	1/4	3,795.99	1/4	3,430.02	1/4	3,064.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,808.19	1/2	4,481.19	1/2	4,146.34	1/2	3,788.37	1/2	3,422.39	1/2	3,056.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,801.37	3/4	4,474.48	3/4	4,139.09	3/4	3,780.74	3/4	3,414.77	3/4	3,048.79
2		2		2		2		2	4,794.54	2	4,467.76	2	4,131.85	2	3,773.12	2	3,407.14	2	3,041.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,787.08	1/4	4,461.01	1/4	4,124.56	1/4	3,765.49	1/4	3,399.52	1/4	3,033.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,779.62	1/2	4,454.26	1/2	4,117.28	1/2	3,757.87	1/2	3,391.89	1/2	3,025.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,772.16	3/4	4,447.51	3/4	4,110.00	3/4	3,750.25	3/4	3,384.27	3/4	3,018.29
3		3		3		3		3	4,764.70	3	4,440.76	3	4,102.71	3	3,742.62	3	3,376.65	3	3,010.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,757.16	1/4	4,433.97	1/4	4,095.40	1/4	3,735.00	1/4	3,369.02	1/4	3,003.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,749.62	1/2	4,427.18	1/2	4,088.08	1/2	3,727.37	1/2	3,361.40	1/2	2,995.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,742.08	3/4	4,420.40	3/4	4,080.76	3/4	3,719.75	3/4	3,353.77	3/4	2,987.80
4		4		4		4		4	4,734.54	4	4,413.61	4	4,073.44	4	3,712.12	4	3,346.15	4	2,980.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,727.28	1/4	4,406.78	1/4	4,066.09	1/4	3,704.50	1/4	3,338.52	1/4	2,972.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,720.02	1/2	4,399.96	1/2	4,058.74	1/2	3,696.87	1/2	3,330.90	1/2	2,964.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,712.76	3/4	4,393.13	3/4	4,051.39	3/4	3,689.25	3/4	3,323.27	3/4	2,957.30
5		5		5		5		5	4,705.50	5	4,386.31	5	4,044.04	5	3,681.63	5	3,315.65	5	2,949.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,698.79	1/4	4,379.45	1/4	4,036.65	1/4	3,674.00	1/4	3,308.02	1/4	2,942.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,692.08	1/2	4,372.58	1/2	4,029.26	1/2	3,666.38	1/2	3,300.40	1/2	2,934.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,685.37	3/4	4,365.72	3/4	4,021.88	3/4	3,658.75	3/4	3,292.78	3/4	2,926.80
6		6		6		6		6	4,678.65	6	4,358.86	6	4,014.49	6	3,651.13	6	3,285.15	6	2,919.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,672.19	1/4	4,351.96	1/4	4,007.07	1/4	3,643.50	1/4	3,277.53	1/4	2,911.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,665.73	1/2	4,345.06	1/2	3,999.64	1/2	3,635.88	1/2	3,269.90	1/2	2,903.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,659.27	3/4	4,338.16	3/4	3,992.22	3/4	3,628.25	3/4	3,262.28	3/4	2,896.30
7		7		7		7		7	4,652.81	7	4,331.26	7	3,984.80	7	3,620.63	7	3,254.65	7	2,888.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,646.31	1/4	4,324.30	1/4	3,977.34	1/4	3,613.00	1/4	3,247.03	1/4	2,881.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,639.81	1/2	4,317.34	1/2	3,969.87	1/2	3,605.38	1/2	3,239.40	1/2	2,873.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,633.32	3/4	4,310.38	3/4	3,962.41	3/4	3,597.76	3/4	3,231.78	3/4	2,865.80
8		8		8		8		8	4,626.82	8	4,303.42	8	3,954.95	8	3,590.13	8	3,224.16	8	2,858.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,620.28	1/4	4,296.39	1/4	3,947.45	1/4	3,582.51	1/4	3,216.53	1/4	2,850.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,613.75	1/2	4,289.35	1/2	3,939.96	1/2	3,574.88	1/2	3,208.91	1/2	2,842.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,607.21	3/4	4,282.31	3/4	3,932.46	3/4	3,567.26	3/4	3,201.28	3/4	2,835.31
9		9		9		9		9	4,600.68	9	4,275.27	9	3,924.96	9	3,559.63	9	3,193.66	9	2,827.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,594.10	1/4	4,268.18	1/4	3,917.42	1/4	3,552.01	1/4	3,186.03	1/4	2,820.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,587.53	1/2	4,261.08	1/2	3,909.89	1/2	3,544.38	1/2	3,178.41	1/2	2,812.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,580.96	3/4	4,253.98	3/4	3,902.35	3/4	3,536.76	3/4	3,170.78	3/4	2,804.81
10		10		10		10		10	4,574.39	10	4,246.89	10	3,894.82	10	3,529.14	10	3,163.16	10	2,797.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,567.78	1/4	4,239.75	1/4	3,887.24	1/4	3,521.51	1/4	3,155.53	1/4	2,789.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,561.17	1/2	4,232.62	1/2	3,879.67	1/2	3,513.89	1/2	3,147.91	1/2	2,781.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,554.56	3/4	4,225.48	3/4	3,872.10	3/4	3,506.26	3/4	3,140.29	3/4	2,774.31
11		11		11		11		11	4,547.94	11	4,218.35	11	3,864.52	11	3,498.64	11	3,132.66	11	2,766.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,541.30	1/4	4,211.18	1/4	3,856.92	1/4	3,491.01	1/4	3,125.04	1/4	2,759.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,534.65	1/2	4,204.01	1/2	3,849.31	1/2	3,483.39	1/2	3,117.41	1/2	2,751.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,528.00	3/4	4,196.84	3/4	3,841.71	3/4	3,475.76	3/4	3,109.79	3/4	2,743.81

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 53'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT & ANALYSIS, INC.

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





BARGE "KIRBY 28073"

1 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-08"

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	2,370.21	0	2,004.24	0	1,638.25	0	1,272.91	0	907.87	0	542.02	0	194.73	0		0			
1/4	2,362.59	1/4	1,996.61	1/4	1,630.62	1/4	1,265.29	1/4	900.27	1/4	534.40	1/4	188.04	1/4		1/4			
1/2	2,354.96	1/2	1,988.99	1/2	1,623.00	1/2	1,257.66	1/2	892.68	1/2	526.77	1/2	181.35	1/2		1/2			
3/4	2,347.34	3/4	1,981.36	3/4	1,615.37	3/4	1,250.04	3/4	885.08	3/4	519.14	3/4	174.66	3/4		3/4			
1	2,339.71	1	1,973.74	1	1,607.75	1	1,242.41	1	877.48	1	511.52	1	167.96	1		1			
1/4	2,332.09	1/4	1,966.12	1/4	1,600.12	1/4	1,234.79	1/4	869.87	1/4	503.91	1/4	161.36	1/4		1/4			
1/2	2,324.46	1/2	1,958.49	1/2	1,592.50	1/2	1,227.16	1/2	862.25	1/2	496.31	1/2	154.75	1/2		1/2			
3/4	2,316.84	3/4	1,950.87	3/4	1,584.88	3/4	1,219.53	3/4	854.64	3/4	488.71	3/4	148.15	3/4		3/4			
2	2,309.22	2	1,943.24	2	1,577.25	2	1,211.91	2	847.03	2	481.10	2	141.54	2		2			
1/4	2,301.59	1/4	1,935.62	1/4	1,569.63	1/4	1,204.28	1/4	839.40	1/4	473.56	1/4	135.03	1/4		1/4			
1/2	2,293.97	1/2	1,927.99	1/2	1,562.00	1/2	1,196.66	1/2	831.78	1/2	466.02	1/2	128.51	1/2		1/2			
3/4	2,286.34	3/4	1,920.37	3/4	1,554.38	3/4	1,189.03	3/4	824.15	3/4	458.48	3/4	122.00	3/4		3/4			
3	2,278.72	3	1,912.74	3	1,546.75	3	1,181.41	3	816.53	3	450.94	3	115.49	3		3			
1/4	2,271.09	1/4	1,905.12	1/4	1,539.13	1/4	1,173.80	1/4	808.90	1/4	443.48	1/4	109.07	1/4		1/4			
1/2	2,263.47	1/2	1,897.49	1/2	1,531.50	1/2	1,166.18	1/2	801.28	1/2	436.03	1/2	102.65	1/2		1/2			
3/4	2,255.84	3/4	1,889.87	3/4	1,523.88	3/4	1,158.57	3/4	793.65	3/4	428.57	3/4	96.24	3/4		3/4			
4	2,248.22	4	1,882.24	4	1,516.25	4	1,150.96	4	786.03	4	421.12	4	89.82	4		4			
1/4	2,240.59	1/4	1,874.62	1/4	1,508.63	1/4	1,143.36	1/4	778.40	1/4	413.74	1/4	83.51	1/4		1/4			
1/2	2,232.97	1/2	1,866.99	1/2	1,501.00	1/2	1,135.76	1/2	770.78	1/2	406.37	1/2	77.20	1/2		1/2			
3/4	2,225.35	3/4	1,859.37	3/4	1,493.38	3/4	1,128.16	3/4	763.15	3/4	399.00	3/4	70.88	3/4		3/4			
5	2,217.72	5	1,851.74	5	1,485.75	5	1,120.57	5	755.53	5	391.63	5	64.57	5		5			
1/4	2,210.10	1/4	1,844.12	1/4	1,478.14	1/4	1,112.97	1/4	747.90	1/4	384.34	1/4	58.38	1/4		1/4			
1/2	2,202.47	1/2	1,836.49	1/2	1,470.53	1/2	1,105.37	1/2	740.28	1/2	377.06	1/2	52.18	1/2		1/2			
3/4	2,194.85	3/4	1,828.87	3/4	1,462.92	3/4	1,097.78	3/4	732.65	3/4	369.77	3/4	45.99	3/4		3/4			
6	2,187.22	6	1,821.24	6	1,455.31	6	1,090.18	6	725.03	6	362.48	6	39.80	6		6			
1/4	2,179.60	1/4	1,813.62	1/4	1,447.71	1/4	1,082.58	1/4	717.40	1/4	355.28	1/4	34.30	1/4		1/4			
1/2	2,171.97	1/2	1,805.99	1/2	1,440.11	1/2	1,074.99	1/2	709.78	1/2	348.08	1/2	28.80	1/2		1/2			
3/4	2,164.35	3/4	1,798.37	3/4	1,432.52	3/4	1,067.39	3/4	702.15	3/4	340.88	3/4	23.30	3/4		3/4			
7	2,156.73	7	1,790.74	7	1,424.92	7	1,059.80	7	694.53	7	333.68	7	17.80	7		7			
1/4	2,149.10	1/4	1,783.12	1/4	1,417.32	1/4	1,052.20	1/4	686.90	1/4	326.56	1/4	14.25	1/4		1/4			
1/2	2,141.48	1/2	1,775.50	1/2	1,409.73	1/2	1,044.60	1/2	679.28	1/2	319.44	1/2	10.69	1/2		1/2			
3/4	2,133.85	3/4	1,767.87	3/4	1,402.13	3/4	1,037.01	3/4	671.65	3/4	312.33	3/4	7.14	3/4		3/4			
8	2,126.23	8	1,760.25	8	1,394.53	8	1,029.41	8	664.03	8	305.21	8	3.58	8		8			
1/4	2,118.60	1/4	1,752.62	1/4	1,386.93	1/4	1,021.81	1/4	656.40	1/4	298.18	1/4		1/4		1/4			
1/2	2,110.98	1/2	1,745.00	1/2	1,379.34	1/2	1,014.22	1/2	648.78	1/2	291.15	1/2		1/2		1/2			
3/4	2,103.35	3/4	1,737.37	3/4	1,371.74	3/4	1,006.62	3/4	641.15	3/4	284.12	3/4		3/4		3/4			
9	2,095.73	9	1,729.75	9	1,364.14	9	999.03	9	633.53	9	277.08	9		9		9			
1/4	2,088.10	1/4	1,722.12	1/4	1,356.54	1/4	991.43	1/4	625.90	1/4	270.14	1/4		1/4		1/4			
1/2	2,080.48	1/2	1,714.50	1/2	1,348.95	1/2	983.83	1/2	618.28	1/2	263.19	1/2		1/2		1/2			
3/4	2,072.86	3/4	1,706.87	3/4	1,341.35	3/4	976.24	3/4	610.65	3/4	256.24	3/4		3/4		3/4			
10	2,065.23	10	1,699.25	10	1,333.75	10	968.64	10	603.03	10	249.29	10		10		10			
1/4	2,057.61	1/4	1,691.62	1/4	1,326.15	1/4	961.04	1/4	595.40	1/4	242.43	1/4		1/4		1/4			
1/2	2,049.98	1/2	1,684.00	1/2	1,318.55	1/2	953.45	1/2	587.77	1/2	235.57	1/2		1/2		1/2			
3/4	2,042.36	3/4	1,676.37	3/4	1,310.96	3/4	945.85	3/4	580.15	3/4	228.71	3/4		3/4		3/4			
11	2,034.73	11	1,668.75	11	1,303.36	11	938.26	11	572.52	11	221.84	11		11		11			
1/4	2,027.11	1/4	1,661.12	1/4	1,295.75	1/4	930.66	1/4	564.90	1/4	215.07	1/4		1/4		1/4			
1/2	2,019.48	1/2	1,653.50	1/2	1,288.14	1/2	923.06	1/2	557.27	1/2	208.29	1/2		1/2		1/2			
3/4	2,011.86	3/4	1,645.87	3/4	1,280.52	3/4	915.47	3/4	549.65	3/4	201.51	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/11/2006 CL - SW
CALCULATED: 05/14/2006 CL
PRINTED: 05/14/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2006

PRECISION MEASUREMENT
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BARGE "KIRBY 28073"

2 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-08"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,541.91	0	4,212.28	0	3,858.91	0	3,495.21	0	3,131.49	0	2,767.78
1/4		1/4		1/4		1/4		1/4	4,535.27	1/4	4,205.11	1/4	3,851.33	1/4	3,487.63	1/4	3,123.91	1/4	2,760.20
1/2		1/2		1/2		1/2		1/2	4,528.63	1/2	4,197.95	1/2	3,843.76	1/2	3,480.05	1/2	3,116.34	1/2	2,752.62
3/4		3/4		3/4		3/4		3/4	4,846.14	3/4	4,521.99	3/4	4,190.78	3/4	3,836.19	3/4	3,472.48	3/4	3,108.76
1		1		1		1		1	4,840.54	1	4,515.35	1	4,183.62	1	3,828.61	1	3,464.90	1	3,101.18
1/4		1/4		1/4		1/4		1/4	4,833.76	1/4	4,508.67	1/4	4,176.42	1/4	3,821.04	1/4	3,457.32	1/4	3,093.61
1/2		1/2		1/2		1/2		1/2	4,826.97	1/2	4,502.00	1/2	4,169.22	1/2	3,813.46	1/2	3,449.74	1/2	3,086.03
3/4		3/4		3/4		3/4		3/4	4,820.19	3/4	4,495.33	3/4	4,162.02	3/4	3,805.88	3/4	3,442.17	3/4	3,078.45
2		2		2		2		2	4,813.41	2	4,488.65	2	4,154.81	2	3,798.30	2	3,434.59	2	3,070.87
1/4		1/4		1/4		1/4		1/4	4,806.00	1/4	4,481.94	1/4	4,147.58	1/4	3,790.73	1/4	3,427.01	1/4	3,063.30
1/2		1/2		1/2		1/2		1/2	4,798.58	1/2	4,475.24	1/2	4,140.34	1/2	3,783.15	1/2	3,419.43	1/2	3,055.72
3/4		3/4		3/4		3/4		3/4	4,791.17	3/4	4,468.53	3/4	4,133.10	3/4	3,775.57	3/4	3,411.86	3/4	3,048.14
3		3		3		3		3	4,783.75	3	4,461.82	3	4,125.86	3	3,767.99	3	3,404.28	3	3,040.56
1/4		1/4		1/4		1/4		1/4	4,776.26	1/4	4,455.07	1/4	4,118.59	1/4	3,760.42	1/4	3,396.70	1/4	3,032.99
1/2		1/2		1/2		1/2		1/2	4,768.77	1/2	4,448.33	1/2	4,111.31	1/2	3,752.84	1/2	3,389.12	1/2	3,025.41
3/4		3/4		3/4		3/4		3/4	4,761.27	3/4	4,441.58	3/4	4,104.04	3/4	3,745.26	3/4	3,381.55	3/4	3,017.83
4		4		4		4		4	4,753.78	4	4,434.84	4	4,096.77	4	3,737.68	4	3,373.97	4	3,010.25
1/4		1/4		1/4		1/4		1/4	4,746.57	1/4	4,428.05	1/4	4,089.46	1/4	3,730.11	1/4	3,366.39	1/4	3,002.68
1/2		1/2		1/2		1/2		1/2	4,739.35	1/2	4,421.27	1/2	4,082.15	1/2	3,722.53	1/2	3,358.81	1/2	2,995.10
3/4		3/4		3/4		3/4		3/4	4,732.14	3/4	4,414.49	3/4	4,074.85	3/4	3,714.95	3/4	3,351.24	3/4	2,987.52
5		5		5		5		5	4,724.92	5	4,407.70	5	4,067.54	5	3,707.37	5	3,343.66	5	2,979.94
1/4		1/4		1/4		1/4		1/4	4,718.25	1/4	4,400.88	1/4	4,060.20	1/4	3,699.80	1/4	3,336.08	1/4	2,972.37
1/2		1/2		1/2		1/2		1/2	4,711.58	1/2	4,394.06	1/2	4,052.86	1/2	3,692.22	1/2	3,328.50	1/2	2,964.79
3/4		3/4		3/4		3/4		3/4	4,704.91	3/4	4,387.24	3/4	4,045.52	3/4	3,684.64	3/4	3,320.93	3/4	2,957.21
6		6		6		6		6	4,698.24	6	4,380.43	6	4,038.18	6	3,677.06	6	3,313.35	6	2,949.63
1/4		1/4		1/4		1/4		1/4	4,691.82	1/4	4,373.57	1/4	4,030.80	1/4	3,669.49	1/4	3,305.77	1/4	2,942.06
1/2		1/2		1/2		1/2		1/2	4,685.40	1/2	4,366.71	1/2	4,023.42	1/2	3,661.91	1/2	3,298.19	1/2	2,934.48
3/4		3/4		3/4		3/4		3/4	4,678.98	3/4	4,359.85	3/4	4,016.05	3/4	3,654.33	3/4	3,290.62	3/4	2,926.90
7		7		7		7		7	4,672.56	7	4,353.00	7	4,008.67	7	3,646.76	7	3,283.04	7	2,919.32
1/4		1/4		1/4		1/4		1/4	4,666.10	1/4	4,346.08	1/4	4,001.25	1/4	3,639.18	1/4	3,275.46	1/4	2,911.75
1/2		1/2		1/2		1/2		1/2	4,659.64	1/2	4,339.17	1/2	3,993.84	1/2	3,631.60	1/2	3,267.89	1/2	2,904.17
3/4		3/4		3/4		3/4		3/4	4,653.18	3/4	4,332.25	3/4	3,986.42	3/4	3,624.02	3/4	3,260.31	3/4	2,896.59
8		8		8		8		8	4,646.72	8	4,325.34	8	3,979.01	8	3,616.45	8	3,252.73	8	2,889.02
1/4		1/4		1/4		1/4		1/4	4,640.23	1/4	4,318.34	1/4	3,971.56	1/4	3,608.87	1/4	3,245.15	1/4	2,881.44
1/2		1/2		1/2		1/2		1/2	4,633.73	1/2	4,311.35	1/2	3,964.11	1/2	3,601.29	1/2	3,237.58	1/2	2,873.86
3/4		3/4		3/4		3/4		3/4	4,627.24	3/4	4,304.35	3/4	3,956.65	3/4	3,593.71	3/4	3,230.00	3/4	2,866.28
9		9		9		9		9	4,620.74	9	4,297.36	9	3,949.20	9	3,586.14	9	3,222.42	9	2,858.71
1/4		1/4		1/4		1/4		1/4	4,614.21	1/4	4,290.30	1/4	3,941.71	1/4	3,578.56	1/4	3,214.84	1/4	2,851.13
1/2		1/2		1/2		1/2		1/2	4,607.68	1/2	4,283.25	1/2	3,934.22	1/2	3,570.98	1/2	3,207.27	1/2	2,843.55
3/4		3/4		3/4		3/4		3/4	4,601.15	3/4	4,276.20	3/4	3,926.73	3/4	3,563.40	3/4	3,199.69	3/4	2,835.97
10		10		10		10		10	4,594.62	10	4,269.15	10	3,919.24	10	3,555.83	10	3,192.11	10	2,828.40
1/4		1/4		1/4		1/4		1/4	4,588.05	1/4	4,262.06	1/4	3,911.72	1/4	3,548.25	1/4	3,184.53	1/4	2,820.82
1/2		1/2		1/2		1/2		1/2	4,581.48	1/2	4,254.97	1/2	3,904.19	1/2	3,540.67	1/2	3,176.96	1/2	2,813.24
3/4		3/4		3/4		3/4		3/4	4,574.91	3/4	4,247.88	3/4	3,896.67	3/4	3,533.09	3/4	3,169.38	3/4	2,805.66
11		11		11		11		11	4,568.34	11	4,240.79	11	3,889.14	11	3,525.52	11	3,161.80	11	2,798.09
1/4		1/4		1/4		1/4		1/4	4,561.73	1/4	4,233.66	1/4	3,881.58	1/4	3,517.94	1/4	3,154.22	1/4	2,790.51
1/2		1/2		1/2		1/2		1/2	4,555.13	1/2	4,226.53	1/2	3,874.02	1/2	3,510.36	1/2	3,146.65	1/2	2,782.93
3/4		3/4		3/4		3/4		3/4	4,548.52	3/4	4,219.40	3/4	3,866.47	3/4	3,502.78	3/4	3,139.07	3/4	2,775.35

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 52'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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





BARGE "KIRBY 28073"

2 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-08"

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	2,404.06	0	2,040.35	0	1,676.62	0	1,316.78	0	965.45	0	606.08	0	242.32	0		0			
1/4	2,396.48	1/4	2,032.77	1/4	1,669.04	1/4	1,309.20	1/4	958.20	1/4	598.50	1/4	234.74	1/4		1/4			
1/2	2,388.91	1/2	2,025.19	1/2	1,661.47	1/2	1,301.62	1/2	950.95	1/2	590.93	1/2	227.16	1/2		1/2			
3/4	2,381.33	3/4	2,017.61	3/4	1,653.89	3/4	1,294.04	3/4	943.70	3/4	583.35	3/4	219.59	3/4		3/4			
1	2,373.75	1	2,010.03	1	1,646.31	1	1,286.46	1	936.45	1	575.77	1	212.01	1		1			
1/4	2,366.17	1/4	2,002.46	1/4	1,638.73	1/4	1,278.89	1/4	929.19	1/4	568.19	1/4	204.43	1/4		1/4			
1/2	2,358.60	1/2	1,994.88	1/2	1,631.15	1/2	1,271.31	1/2	921.93	1/2	560.61	1/2	196.86	1/2		1/2			
3/4	2,351.02	3/4	1,987.30	3/4	1,623.58	3/4	1,263.73	3/4	914.66	3/4	553.03	3/4	189.28	3/4		3/4			
2	2,343.44	2	1,979.72	2	1,616.00	2	1,256.15	2	907.40	2	545.46	2	181.70	2		2			
1/4	2,335.87	1/4	1,972.15	1/4	1,608.42	1/4	1,248.72	1/4	900.12	1/4	537.88	1/4	174.14	1/4		1/4			
1/2	2,328.29	1/2	1,964.57	1/2	1,600.84	1/2	1,241.30	1/2	892.84	1/2	530.30	1/2	166.57	1/2		1/2			
3/4	2,320.71	3/4	1,956.99	3/4	1,593.27	3/4	1,233.87	3/4	885.57	3/4	522.72	3/4	159.00	3/4		3/4			
3	2,313.13	3	1,949.41	3	1,585.69	3	1,226.44	3	878.29	3	515.14	3	151.43	3		3			
1/4	2,305.56	1/4	1,941.84	1/4	1,578.11	1/4	1,219.18	1/4	870.86	1/4	507.56	1/4	143.87	1/4		1/4			
1/2	2,297.98	1/2	1,934.26	1/2	1,570.53	1/2	1,211.91	1/2	863.44	1/2	499.99	1/2	136.32	1/2		1/2			
3/4	2,290.40	3/4	1,926.68	3/4	1,562.96	3/4	1,204.65	3/4	856.01	3/4	492.41	3/4	128.76	3/4		3/4			
4	2,282.82	4	1,919.10	4	1,555.38	4	1,197.38	4	848.58	4	484.83	4	121.20	4		4			
1/4	2,275.25	1/4	1,911.53	1/4	1,547.88	1/4	1,190.13	1/4	841.00	1/4	477.25	1/4	113.67	1/4		1/4			
1/2	2,267.67	1/2	1,903.95	1/2	1,540.39	1/2	1,182.88	1/2	833.43	1/2	469.67	1/2	106.13	1/2		1/2			
3/4	2,260.09	3/4	1,896.37	3/4	1,532.89	3/4	1,175.63	3/4	825.85	3/4	462.09	3/4	98.59	3/4		3/4			
5	2,252.51	5	1,888.79	5	1,525.39	5	1,168.38	5	818.27	5	454.52	5	91.06	5		5			
1/4	2,244.94	1/4	1,881.22	1/4	1,517.98	1/4	1,161.14	1/4	810.69	1/4	446.94	1/4	83.55	1/4		1/4			
1/2	2,237.36	1/2	1,873.64	1/2	1,510.56	1/2	1,153.89	1/2	803.11	1/2	439.36	1/2	76.05	1/2		1/2			
3/4	2,229.78	3/4	1,866.06	3/4	1,503.15	3/4	1,146.64	3/4	795.54	3/4	431.78	3/4	68.54	3/4		3/4			
6	2,222.20	6	1,858.48	6	1,495.73	6	1,139.39	6	787.96	6	424.20	6	61.04	6		6			
1/4	2,214.63	1/4	1,850.91	1/4	1,488.31	1/4	1,132.15	1/4	780.38	1/4	416.62	1/4	54.14	1/4		1/4			
1/2	2,207.05	1/2	1,843.33	1/2	1,480.90	1/2	1,124.90	1/2	772.80	1/2	409.04	1/2	47.25	1/2		1/2			
3/4	2,199.47	3/4	1,835.75	3/4	1,473.48	3/4	1,117.65	3/4	765.22	3/4	401.47	3/4	40.35	3/4		3/4			
7	2,191.89	7	1,828.17	7	1,466.07	7	1,110.40	7	757.65	7	393.89	7	33.45	7		7			
1/4	2,184.32	1/4	1,820.59	1/4	1,458.65	1/4	1,103.16	1/4	750.07	1/4	386.31	1/4	28.40	1/4		1/4			
1/2	2,176.74	1/2	1,813.02	1/2	1,451.24	1/2	1,095.91	1/2	742.49	1/2	378.73	1/2	23.35	1/2		1/2			
3/4	2,169.16	3/4	1,805.44	3/4	1,443.82	3/4	1,088.66	3/4	734.91	3/4	371.15	3/4	18.30	3/4		3/4			
8	2,161.58	8	1,797.86	8	1,436.41	8	1,081.41	8	727.33	8	363.57	8	13.25	8		8			
1/4	2,154.01	1/4	1,790.28	1/4	1,428.99	1/4	1,074.17	1/4	719.76	1/4	356.00	1/4		1/4		1/4			
1/2	2,146.43	1/2	1,782.71	1/2	1,421.57	1/2	1,066.92	1/2	712.18	1/2	348.42	1/2		1/2		1/2			
3/4	2,138.85	3/4	1,775.13	3/4	1,414.16	3/4	1,059.67	3/4	704.60	3/4	340.84	3/4		3/4		3/4			
9	2,131.28	9	1,767.55	9	1,406.74	9	1,052.42	9	697.02	9	333.26	9		9		9			
1/4	2,123.70	1/4	1,759.97	1/4	1,399.33	1/4	1,045.18	1/4	689.44	1/4	325.68	1/4		1/4		1/4			
1/2	2,116.12	1/2	1,752.40	1/2	1,391.91	1/2	1,037.93	1/2	681.87	1/2	318.10	1/2		1/2		1/2			
3/4	2,108.54	3/4	1,744.82	3/4	1,384.49	3/4	1,030.68	3/4	674.29	3/4	310.53	3/4		3/4		3/4			
10	2,100.97	10	1,737.24	10	1,377.08	10	1,023.43	10	666.71	10	302.95	10		10		10			
1/4	2,093.39	1/4	1,729.66	1/4	1,369.58	1/4	1,016.18	1/4	659.13	1/4	295.37	1/4		1/4		1/4			
1/2	2,085.81	1/2	1,722.09	1/2	1,362.08	1/2	1,008.94	1/2	651.55	1/2	287.79	1/2		1/2		1/2			
3/4	2,078.23	3/4	1,714.51	3/4	1,354.59	3/4	1,001.69	3/4	643.98	3/4	280.21	3/4		3/4		3/4			
11	2,070.66	11	1,706.93	11	1,347.09	11	994.44	11	636.40	11	272.63	11		11		11			
1/4	2,063.08	1/4	1,699.35	1/4	1,339.51	1/4	987.19	1/4	628.82	1/4	265.06	1/4		1/4		1/4			
1/2	2,055.50	1/2	1,691.78	1/2	1,331.93	1/2	979.95	1/2	621.24	1/2	257.48	1/2		1/2		1/2			
3/4	2,047.92	3/4	1,684.20	3/4	1,324.35	3/4	972.70	3/4	613.66	3/4	249.90	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/11/2006 CL - SW
CALCULATED: 05/14/2006 CL
PRINTED: 05/14/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2006

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 28073"

2 STBD ULLAGE TABLE

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

GUAGE HEIGHT 16'-08"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,560.86	0	4,230.98	0	3,877.36	0	3,513.39	0	3,149.42	0	2,785.44
1/4		1/4		1/4		1/4		1/4	4,554.21	1/4	4,223.81	1/4	3,869.78	1/4	3,505.81	1/4	3,141.83	1/4	2,777.86
1/2		1/2		1/2		1/2		1/2	4,547.57	1/2	4,216.64	1/2	3,862.20	1/2	3,498.23	1/2	3,134.25	1/2	2,770.28
3/4		3/4		3/4		3/4		3/4	4,540.92	3/4	4,209.47	3/4	3,854.62	3/4	3,490.64	3/4	3,126.67	3/4	2,762.69
1		1		1		1	4,859.71	1	4,534.27	1	4,202.30	1	3,847.03	1	3,483.06	1	3,119.09	1	2,755.11
1/4		1/4		1/4		1/4	4,852.92	1/4	4,527.59	1/4	4,195.10	1/4	3,839.45	1/4	3,475.48	1/4	3,111.50	1/4	2,747.53
1/2		1/2		1/2		1/2	4,846.13	1/2	4,520.92	1/2	4,187.89	1/2	3,831.87	1/2	3,467.89	1/2	3,103.92	1/2	2,739.95
3/4		3/4		3/4		3/4	4,839.34	3/4	4,514.24	3/4	4,180.68	3/4	3,824.29	3/4	3,460.31	3/4	3,096.34	3/4	2,732.36
2		2		2		2	4,832.55	2	4,507.56	2	4,173.48	2	3,816.70	2	3,452.73	2	3,088.75	2	2,724.78
1/4		1/4		1/4		1/4	4,825.13	1/4	4,500.85	1/4	4,166.23	1/4	3,809.12	1/4	3,445.15	1/4	3,081.17	1/4	2,717.20
1/2		1/2		1/2		1/2	4,817.72	1/2	4,494.13	1/2	4,158.99	1/2	3,801.54	1/2	3,437.56	1/2	3,073.59	1/2	2,709.61
3/4		3/4		3/4		3/4	4,810.30	3/4	4,487.42	3/4	4,151.75	3/4	3,793.96	3/4	3,429.98	3/4	3,066.01	3/4	2,702.03
3		3		3		3	4,802.88	3	4,480.70	3	4,144.50	3	3,786.37	3	3,422.40	3	3,058.42	3	2,694.45
1/4		1/4		1/4		1/4	4,795.38	1/4	4,473.95	1/4	4,137.22	1/4	3,778.79	1/4	3,414.82	1/4	3,050.84	1/4	2,686.87
1/2		1/2		1/2		1/2	4,787.88	1/2	4,467.20	1/2	4,129.95	1/2	3,771.21	1/2	3,407.23	1/2	3,043.26	1/2	2,679.28
3/4		3/4		3/4		3/4	4,780.38	3/4	4,460.45	3/4	4,122.67	3/4	3,763.62	3/4	3,399.65	3/4	3,035.68	3/4	2,671.70
4		4		4		4	4,772.88	4	4,453.70	4	4,115.39	4	3,756.04	4	3,392.07	4	3,028.09	4	2,664.12
1/4		1/4		1/4		1/4	4,765.66	1/4	4,446.91	1/4	4,108.08	1/4	3,748.46	1/4	3,384.48	1/4	3,020.51	1/4	2,656.54
1/2		1/2		1/2		1/2	4,758.44	1/2	4,440.13	1/2	4,100.77	1/2	3,740.88	1/2	3,376.90	1/2	3,012.93	1/2	2,648.95
3/4		3/4		3/4		3/4	4,751.22	3/4	4,433.34	3/4	4,093.45	3/4	3,733.29	3/4	3,369.32	3/4	3,005.34	3/4	2,641.37
5		5		5		5	4,744.00	5	4,426.55	5	4,086.14	5	3,725.71	5	3,361.74	5	2,997.76	5	2,633.79
1/4		1/4		1/4		1/4	4,737.32	1/4	4,419.73	1/4	4,078.80	1/4	3,718.13	1/4	3,354.15	1/4	2,990.18	1/4	2,626.20
1/2		1/2		1/2		1/2	4,730.65	1/2	4,412.90	1/2	4,071.45	1/2	3,710.54	1/2	3,346.57	1/2	2,982.60	1/2	2,618.62
3/4		3/4		3/4		3/4	4,723.97	3/4	4,406.08	3/4	4,064.11	3/4	3,702.96	3/4	3,338.99	3/4	2,975.01	3/4	2,611.04
6		6		6		6	4,717.30	6	4,399.25	6	4,056.76	6	3,695.38	6	3,331.40	6	2,967.43	6	2,603.46
1/4		1/4		1/4		1/4	4,710.87	1/4	4,392.39	1/4	4,049.38	1/4	3,687.80	1/4	3,323.82	1/4	2,959.85	1/4	2,595.87
1/2		1/2		1/2		1/2	4,704.45	1/2	4,385.53	1/2	4,041.99	1/2	3,680.21	1/2	3,316.24	1/2	2,952.26	1/2	2,588.29
3/4		3/4		3/4		3/4	4,698.02	3/4	4,378.67	3/4	4,034.61	3/4	3,672.63	3/4	3,308.66	3/4	2,944.68	3/4	2,580.71
7		7		7		7	4,691.60	7	4,371.80	7	4,027.23	7	3,665.05	7	3,301.07	7	2,937.10	7	2,573.12
1/4		1/4		1/4		1/4	4,685.13	1/4	4,364.88	1/4	4,019.81	1/4	3,657.46	1/4	3,293.49	1/4	2,929.52	1/4	2,565.54
1/2		1/2		1/2		1/2	4,678.67	1/2	4,357.96	1/2	4,012.39	1/2	3,649.88	1/2	3,285.91	1/2	2,921.93	1/2	2,557.96
3/4		3/4		3/4		3/4	4,672.21	3/4	4,351.04	3/4	4,004.97	3/4	3,642.30	3/4	3,278.32	3/4	2,914.35	3/4	2,550.38
8		8		8		8	4,665.75	8	4,344.12	8	3,997.55	8	3,634.72	8	3,270.74	8	2,906.77	8	2,542.79
1/4		1/4		1/4		1/4	4,659.25	1/4	4,337.12	1/4	3,990.09	1/4	3,627.13	1/4	3,263.16	1/4	2,899.18	1/4	2,535.21
1/2		1/2		1/2		1/2	4,652.75	1/2	4,330.12	1/2	3,982.63	1/2	3,619.55	1/2	3,255.58	1/2	2,891.60	1/2	2,527.63
3/4		3/4		3/4		3/4	4,646.25	3/4	4,323.12	3/4	3,975.17	3/4	3,611.97	3/4	3,247.99	3/4	2,884.02	3/4	2,520.04
9		9		9		9	4,639.75	9	4,316.12	9	3,967.72	9	3,604.39	9	3,240.41	9	2,876.44	9	2,512.46
1/4		1/4		1/4		1/4	4,633.21	1/4	4,309.07	1/4	3,960.22	1/4	3,596.80	1/4	3,232.83	1/4	2,868.85	1/4	2,504.88
1/2		1/2		1/2		1/2	4,626.67	1/2	4,302.01	1/2	3,952.73	1/2	3,589.22	1/2	3,225.25	1/2	2,861.27	1/2	2,497.30
3/4		3/4		3/4		3/4	4,620.14	3/4	4,294.95	3/4	3,945.23	3/4	3,581.64	3/4	3,217.66	3/4	2,853.69	3/4	2,489.71
10		10		10		10	4,613.60	10	4,287.89	10	3,937.74	10	3,574.05	10	3,210.08	10	2,846.11	10	2,482.13
1/4		1/4		1/4		1/4	4,607.03	1/4	4,280.80	1/4	3,930.21	1/4	3,566.47	1/4	3,202.50	1/4	2,838.52	1/4	2,474.55
1/2		1/2		1/2		1/2	4,600.45	1/2	4,273.70	1/2	3,922.67	1/2	3,558.89	1/2	3,194.91	1/2	2,830.94	1/2	2,466.97
3/4		3/4		3/4		3/4	4,593.88	3/4	4,266.61	3/4	3,915.14	3/4	3,551.31	3/4	3,187.33	3/4	2,823.36	3/4	2,459.38
11		11		11		11	4,587.30	11	4,259.51	11	3,907.61	11	3,543.72	11	3,179.75	11	2,815.77	11	2,451.80
1/4		1/4		1/4		1/4	4,580.69	1/4	4,252.38	1/4	3,900.05	1/4	3,536.14	1/4	3,172.17	1/4	2,808.19	1/4	2,444.22
1/2		1/2		1/2		1/2	4,574.08	1/2	4,245.25	1/2	3,892.49	1/2	3,528.56	1/2	3,164.58	1/2	2,800.61	1/2	2,436.63
3/4		3/4		3/4		3/4	4,567.47	3/4	4,238.11	3/4	3,884.92	3/4	3,520.97	3/4	3,157.00	3/4	2,793.03	3/4	2,429.05

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 52'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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





BARGE "KIRBY 28073"

2 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-08"

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	2,421.47	0	2,057.49	0	1,693.51	0	1,333.41	0	970.37	0	606.52	0	242.49	0		0			
1/4	2,413.89	1/4	2,049.91	1/4	1,685.92	1/4	1,325.82	1/4	962.81	1/4	598.93	1/4	234.91	1/4	1/4	1/4			
1/2	2,406.30	1/2	2,042.33	1/2	1,678.34	1/2	1,318.24	1/2	955.25	1/2	591.35	1/2	227.33	1/2	1/2	1/2			
3/4	2,398.72	3/4	2,034.74	3/4	1,670.76	3/4	1,310.65	3/4	947.70	3/4	583.76	3/4	219.74	3/4	3/4	3/4			
1	2,391.14	1	2,027.16	1	1,663.18	1	1,303.07	1	940.14	1	576.18	1	212.16	1	1	1			
1/4	2,383.55	1/4	2,019.58	1/4	1,655.59	1/4	1,295.49	1/4	932.57	1/4	568.60	1/4	204.58	1/4	1/4	1/4			
1/2	2,375.97	1/2	2,011.99	1/2	1,648.01	1/2	1,287.90	1/2	925.00	1/2	561.01	1/2	197.00	1/2	1/2	1/2			
3/4	2,368.39	3/4	2,004.41	3/4	1,640.43	3/4	1,280.32	3/4	917.43	3/4	553.43	3/4	189.42	3/4	3/4	3/4			
2	2,360.81	2	1,996.83	2	1,632.84	2	1,272.74	2	909.86	2	545.85	2	181.84	2	2	2			
1/4	2,353.22	1/4	1,989.24	1/4	1,625.26	1/4	1,265.15	1/4	902.27	1/4	538.26	1/4	174.26	1/4	1/4	1/4			
1/2	2,345.64	1/2	1,981.66	1/2	1,617.68	1/2	1,257.57	1/2	894.69	1/2	530.68	1/2	166.69	1/2	1/2	1/2			
3/4	2,338.06	3/4	1,974.08	3/4	1,610.09	3/4	1,249.98	3/4	887.11	3/4	523.09	3/4	159.11	3/4	3/4	3/4			
3	2,330.47	3	1,966.50	3	1,602.51	3	1,242.40	3	879.52	3	515.51	3	151.54	3	3	3			
1/4	2,322.89	1/4	1,958.91	1/4	1,594.93	1/4	1,234.83	1/4	871.94	1/4	507.93	1/4	143.98	1/4	1/4	1/4			
1/2	2,315.31	1/2	1,951.33	1/2	1,587.35	1/2	1,227.26	1/2	864.36	1/2	500.34	1/2	136.41	1/2	1/2	1/2			
3/4	2,307.73	3/4	1,943.75	3/4	1,579.76	3/4	1,219.69	3/4	856.77	3/4	492.76	3/4	128.85	3/4	3/4	3/4			
4	2,300.14	4	1,936.16	4	1,572.18	4	1,212.12	4	849.19	4	485.18	4	121.29	4	4	4			
1/4	2,292.56	1/4	1,928.58	1/4	1,564.60	1/4	1,204.56	1/4	841.61	1/4	477.59	1/4	113.75	1/4	1/4	1/4			
1/2	2,284.98	1/2	1,921.00	1/2	1,557.02	1/2	1,197.00	1/2	834.02	1/2	470.01	1/2	106.21	1/2	1/2	1/2			
3/4	2,277.40	3/4	1,913.41	3/4	1,549.47	3/4	1,189.45	3/4	826.44	3/4	462.42	3/4	98.66	3/4	3/4	3/4			
5	2,269.81	5	1,905.83	5	1,542.17	5	1,181.89	5	818.86	5	454.84	5	91.12	5	5	5			
1/4	2,262.23	1/4	1,898.25	1/4	1,534.75	1/4	1,174.34	1/4	811.27	1/4	447.26	1/4	83.61	1/4	1/4	1/4			
1/2	2,254.65	1/2	1,890.67	1/2	1,527.33	1/2	1,166.78	1/2	803.69	1/2	439.67	1/2	76.10	1/2	1/2	1/2			
3/4	2,247.06	3/4	1,883.08	3/4	1,519.91	3/4	1,159.23	3/4	796.11	3/4	432.09	3/4	68.59	3/4	3/4	3/4			
6	2,239.48	6	1,875.50	6	1,512.49	6	1,151.67	6	788.52	6	424.50	6	61.08	6	6	6			
1/4	2,231.90	1/4	1,867.92	1/4	1,505.07	1/4	1,144.12	1/4	780.94	1/4	416.92	1/4	54.18	1/4	1/4	1/4			
1/2	2,224.32	1/2	1,860.33	1/2	1,497.65	1/2	1,136.57	1/2	773.36	1/2	409.34	1/2	47.28	1/2	1/2	1/2			
3/4	2,216.73	3/4	1,852.75	3/4	1,490.23	3/4	1,129.01	3/4	765.77	3/4	401.75	3/4	40.38	3/4	3/4	3/4			
7	2,209.15	7	1,845.17	7	1,482.80	7	1,121.46	7	758.19	7	394.17	7	33.48	7	7	7			
1/4	2,201.57	1/4	1,837.58	1/4	1,475.38	1/4	1,113.90	1/4	750.61	1/4	386.59	1/4	28.42	1/4	1/4	1/4			
1/2	2,193.98	1/2	1,830.00	1/2	1,467.96	1/2	1,106.35	1/2	743.02	1/2	379.00	1/2	23.37	1/2	1/2	1/2			
3/4	2,186.40	3/4	1,822.42	3/4	1,460.54	3/4	1,098.79	3/4	735.44	3/4	371.42	3/4	18.32	3/4	3/4	3/4			
8	2,178.82	8	1,814.84	8	1,453.12	8	1,091.24	8	727.86	8	363.83	8	13.26	8	8	8			
1/4	2,171.24	1/4	1,807.25	1/4	1,445.70	1/4	1,083.68	1/4	720.27	1/4	356.25	1/4		1/4	1/4	1/4			
1/2	2,163.65	1/2	1,799.67	1/2	1,438.28	1/2	1,076.13	1/2	712.69	1/2	348.67	1/2		1/2	1/2	1/2			
3/4	2,156.07	3/4	1,792.09	3/4	1,430.86	3/4	1,068.57	3/4	705.11	3/4	341.08	3/4		3/4	3/4	3/4			
9	2,148.49	9	1,784.50	9	1,423.44	9	1,061.02	9	697.52	9	333.50	9		9	9	9			
1/4	2,140.90	1/4	1,776.92	1/4	1,416.02	1/4	1,053.47	1/4	689.94	1/4	325.92	1/4		1/4	1/4	1/4			
1/2	2,133.32	1/2	1,769.34	1/2	1,408.59	1/2	1,045.91	1/2	682.35	1/2	318.33	1/2		1/2	1/2	1/2			
3/4	2,125.74	3/4	1,761.75	3/4	1,401.17	3/4	1,038.36	3/4	674.77	3/4	310.75	3/4		3/4	3/4	3/4			
10	2,118.16	10	1,754.17	10	1,393.75	10	1,030.80	10	667.19	10	303.16	10		10	10	10			
1/4	2,110.57	1/4	1,746.59	1/4	1,386.25	1/4	1,023.25	1/4	659.60	1/4	295.58	1/4		1/4	1/4	1/4			
1/2	2,102.99	1/2	1,739.01	1/2	1,378.75	1/2	1,015.69	1/2	652.02	1/2	288.00	1/2		1/2	1/2	1/2			
3/4	2,095.41	3/4	1,731.42	3/4	1,371.24	3/4	1,008.14	3/4	644.43	3/4	280.41	3/4		3/4	3/4	3/4			
11	2,087.83	11	1,723.84	11	1,363.74	11	1,000.58	11	636.85	11	272.83	11		11	11	11			
1/4	2,080.24	1/4	1,716.26	1/4	1,356.16	1/4	993.03	1/4	629.27	1/4	265.24	1/4		1/4	1/4	1/4			
1/2	2,072.66	1/2	1,708.67	1/2	1,348.57	1/2	985.48	1/2	621.68	1/2	257.66	1/2		1/2	1/2	1/2			
3/4	2,065.08	3/4	1,701.09	3/4	1,340.99	3/4	977.92	3/4	614.10	3/4	250.08	3/4		3/4	3/4	3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/11/2006 CL - SW
CALCULATED: 05/14/2006 CL
PRINTED: 05/14/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2006

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "KIRBY 28073"

3 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-06"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,216.42	0	3,955.94	0	3,681.46	0	3,401.42	0	3,040.84	0	2,677.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,211.13	1/4	3,950.32	1/4	3,675.62	1/4	3,394.71	1/4	3,033.27	1/4	2,669.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,460.71	1/2	4,205.83	1/2	3,944.71	1/2	3,669.79	1/2	3,025.70	1/2	2,662.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,455.98	3/4	4,200.54	3/4	3,939.10	3/4	3,663.96	3/4	3,381.28	3/4	2,654.54
1		1		1		1		1	4,451.25	1	4,195.25	1	3,933.49	1	3,658.13	1	3,010.55	1	2,646.97
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,446.21	1/4	4,189.94	1/4	3,927.86	1/4	3,652.29	1/4	3,002.97	1/4	2,639.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,441.18	1/2	4,184.63	1/2	3,922.22	1/2	3,646.46	1/2	3,359.38	1/2	2,631.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,436.14	3/4	4,179.32	3/4	3,916.59	3/4	3,640.63	3/4	3,351.78	3/4	2,624.24
2		2		2		2		2	4,431.10	2	4,174.01	2	3,910.96	2	3,634.79	2	2,980.25	2	2,616.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,425.43	1/4	4,168.68	1/4	3,905.31	1/4	3,628.96	1/4	2,972.67	1/4	2,609.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,419.76	1/2	4,163.35	1/2	3,899.65	1/2	3,623.12	1/2	2,965.10	1/2	2,601.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,414.09	3/4	4,158.03	3/4	3,894.00	3/4	3,617.29	3/4	2,957.52	3/4	2,593.94
3		3		3		3		3	4,408.42	3	4,152.70	3	3,888.35	3	3,611.45	3	2,949.95	3	2,586.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,402.67	1/4	4,147.35	1/4	3,882.68	1/4	3,605.62	1/4	2,942.37	1/4	2,578.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,396.92	1/2	4,142.00	1/2	3,877.01	1/2	3,599.79	1/2	2,934.80	1/2	2,571.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,391.17	3/4	4,136.65	3/4	3,871.34	3/4	3,593.95	3/4	2,927.23	3/4	2,563.64
4		4		4		4		4	4,385.42	4	4,131.30	4	3,865.67	4	3,588.12	4	2,919.65	4	2,556.07
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,379.82	1/4	4,125.94	1/4	3,859.98	1/4	3,582.28	1/4	2,912.08	1/4	2,548.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,374.22	1/2	4,120.57	1/2	3,854.29	1/2	3,576.45	1/2	2,904.50	1/2	2,540.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,368.62	3/4	4,115.20	3/4	3,848.60	3/4	3,570.61	3/4	2,896.93	3/4	2,533.35
5		5		5		5		5	4,363.01	5	4,109.83	5	3,842.91	5	3,564.78	5	2,889.35	5	2,525.77
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,357.71	1/4	4,104.44	1/4	3,837.21	1/4	3,558.95	1/4	2,881.78	1/4	2,518.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,352.40	1/2	4,099.06	1/2	3,831.50	1/2	3,553.11	1/2	2,874.20	1/2	2,510.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,347.09	3/4	4,093.67	3/4	3,825.79	3/4	3,547.28	3/4	2,866.63	3/4	2,503.05
6		6		6		6		6	4,341.78	6	4,088.28	6	3,820.09	6	3,541.44	6	2,859.05	6	2,495.47
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,336.61	1/4	4,082.87	1/4	3,814.36	1/4	3,535.61	1/4	2,851.48	1/4	2,487.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,331.44	1/2	4,077.46	1/2	3,808.63	1/2	3,529.78	1/2	2,843.91	1/2	2,480.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,326.26	3/4	4,072.06	3/4	3,802.91	3/4	3,523.94	3/4	2,836.33	3/4	2,472.75
7		7		7		7		7	4,321.09	7	4,066.65	7	3,797.18	7	3,518.11	7	2,828.76	7	2,465.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,315.90	1/4	4,061.20	1/4	3,791.43	1/4	3,512.27	1/4	2,821.18	1/4	2,457.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,310.70	1/2	4,055.75	1/2	3,785.68	1/2	3,506.44	1/2	2,813.61	1/2	2,450.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,305.51	3/4	4,050.30	3/4	3,779.94	3/4	3,500.60	3/4	2,806.03	3/4	2,442.45
8		8		8		8		8	4,300.31	8	4,044.85	8	3,774.19	8	3,494.77	8	2,798.46	8	2,434.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,295.10	1/4	4,039.34	1/4	3,768.42	1/4	3,488.94	1/4	2,790.88	1/4	2,427.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,289.89	1/2	4,033.83	1/2	3,762.66	1/2	3,483.10	1/2	2,783.31	1/2	2,419.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,284.67	3/4	4,028.32	3/4	3,756.89	3/4	3,477.27	3/4	2,775.73	3/4	2,412.15
9		9		9		9		9	4,279.46	9	4,022.81	9	3,751.12	9	3,471.43	9	2,768.16	9	2,404.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,274.23	1/4	4,017.25	1/4	3,745.34	1/4	3,465.60	1/4	2,760.58	1/4	2,397.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,268.99	1/2	4,011.70	1/2	3,739.55	1/2	3,459.77	1/2	2,753.01	1/2	2,389.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,263.76	3/4	4,006.15	3/4	3,733.76	3/4	3,453.93	3/4	2,745.44	3/4	2,381.85
10		10		10		10		10	4,258.53	10	4,000.60	10	3,727.98	10	3,448.10	10	2,737.86	10	2,374.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,253.27	1/4	3,995.02	1/4	3,722.17	1/4	3,442.26	1/4	2,730.29	1/4	2,366.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,248.02	1/2	3,989.45	1/2	3,716.36	1/2	3,436.43	1/2	2,722.71	1/2	2,359.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,242.77	3/4	3,983.88	3/4	3,710.56	3/4	3,430.59	3/4	2,715.14	3/4	2,351.56
11		11		11		11		11	4,237.51	11	3,978.31	11	3,704.75	11	3,424.76	11	2,707.56	11	2,343.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,232.24	1/4	3,972.71	1/4	3,698.93	1/4	3,418.93	1/4	2,699.99	1/4	2,336.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,226.97	1/2	3,967.12	1/2	3,693.10	1/2	3,413.09	1/2	2,692.41	1/2	2,328.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,221.69	3/4	3,961.53	3/4	3,687.28	3/4	3,407.26	3/4	2,684.84	3/4	2,321.26

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 52'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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





BARGE "KIRBY 28073"

3 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-06"

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	2,313.68	0	1,950.10	0	1,586.56	0	1,227.51	0	872.84	0	516.41	0	151.83	0		0			
1/4	2,306.11	1/4	1,942.53	1/4	1,579.01	1/4	1,219.95	1/4	865.48	1/4	508.82	1/4	144.55	1/4		1/4			
1/2	2,298.53	1/2	1,934.95	1/2	1,571.46	1/2	1,212.39	1/2	858.12	1/2	501.22	1/2	137.27	1/2		1/2			
3/4	2,290.96	3/4	1,927.38	3/4	1,563.90	3/4	1,204.83	3/4	850.76	3/4	493.63	3/4	129.99	3/4		3/4			
1	2,283.38	1	1,919.80	1	1,556.35	1	1,197.27	1	843.41	1	486.03	1	122.71	1		1			
1/4	2,275.81	1/4	1,912.23	1/4	1,548.80	1/4	1,189.71	1/4	836.03	1/4	478.44	1/4	116.38	1/4		1/4			
1/2	2,268.24	1/2	1,904.65	1/2	1,541.25	1/2	1,182.15	1/2	828.66	1/2	470.84	1/2	110.05	1/2		1/2			
3/4	2,260.66	3/4	1,897.08	3/4	1,533.70	3/4	1,174.59	3/4	821.29	3/4	463.24	3/4	103.72	3/4		3/4			
2	2,253.09	2	1,889.50	2	1,526.15	2	1,167.03	2	813.92	2	455.65	2	97.40	2		2			
1/4	2,245.51	1/4	1,881.93	1/4	1,518.60	1/4	1,159.58	1/4	806.53	1/4	448.05	1/4	92.34	1/4		1/4			
1/2	2,237.94	1/2	1,874.35	1/2	1,511.05	1/2	1,152.13	1/2	799.15	1/2	440.46	1/2	87.28	1/2		1/2			
3/4	2,230.36	3/4	1,866.78	3/4	1,503.49	3/4	1,144.67	3/4	791.76	3/4	432.86	3/4	82.22	3/4		3/4			
3	2,222.79	3	1,859.20	3	1,495.94	3	1,137.22	3	784.38	3	425.27	3	77.17	3		3			
1/4	2,215.21	1/4	1,851.63	1/4	1,488.39	1/4	1,129.87	1/4	776.99	1/4	417.67	1/4	73.39	1/4		1/4			
1/2	2,207.64	1/2	1,844.06	1/2	1,480.84	1/2	1,122.53	1/2	769.61	1/2	410.08	1/2	69.61	1/2		1/2			
3/4	2,200.06	3/4	1,836.48	3/4	1,473.29	3/4	1,115.18	3/4	762.22	3/4	402.48	3/4	65.83	3/4		3/4			
4	2,192.49	4	1,828.91	4	1,465.74	4	1,107.84	4	754.84	4	394.88	4	62.05	4		4			
1/4	2,184.91	1/4	1,821.33	1/4	1,458.27	1/4	1,100.50	1/4	747.45	1/4	387.29	1/4	59.55	1/4		1/4			
1/2	2,177.34	1/2	1,813.76	1/2	1,450.80	1/2	1,093.16	1/2	740.07	1/2	379.69	1/2	57.05	1/2		1/2			
3/4	2,169.77	3/4	1,806.18	3/4	1,443.33	3/4	1,085.82	3/4	732.68	3/4	372.10	3/4	54.56	3/4		3/4			
5	2,162.19	5	1,798.61	5	1,435.86	5	1,078.48	5	725.30	5	364.50	5	52.06	5		5			
1/4	2,154.62	1/4	1,791.03	1/4	1,428.46	1/4	1,071.14	1/4	717.91	1/4	356.91	1/4	50.86	1/4		1/4			
1/2	2,147.04	1/2	1,783.46	1/2	1,421.05	1/2	1,063.80	1/2	710.53	1/2	349.31	1/2	49.67	1/2		1/2			
3/4	2,139.47	3/4	1,775.88	3/4	1,413.65	3/4	1,056.46	3/4	703.14	3/4	341.72	3/4	48.47	3/4		3/4			
6	2,131.89	6	1,768.31	6	1,406.25	6	1,049.13	6	695.76	6	334.12	6	47.27	6		6			
1/4	2,124.32	1/4	1,760.73	1/4	1,398.84	1/4	1,041.79	1/4	688.37	1/4	326.52	1/4		1/4		1/4			
1/2	2,116.74	1/2	1,753.16	1/2	1,391.42	1/2	1,034.45	1/2	680.99	1/2	318.93	1/2		1/2		1/2			
3/4	2,109.17	3/4	1,745.58	3/4	1,384.01	3/4	1,027.11	3/4	673.60	3/4	311.33	3/4		3/4		3/4			
7	2,101.59	7	1,738.01	7	1,376.60	7	1,019.78	7	666.22	7	303.74	7		7		7			
1/4	2,094.02	1/4	1,730.43	1/4	1,369.18	1/4	1,012.44	1/4	658.83	1/4	296.14	1/4		1/4		1/4			
1/2	2,086.45	1/2	1,722.86	1/2	1,361.77	1/2	1,005.10	1/2	651.45	1/2	288.55	1/2		1/2		1/2			
3/4	2,078.87	3/4	1,715.28	3/4	1,354.36	3/4	997.76	3/4	644.06	3/4	280.95	3/4		3/4		3/4			
8	2,071.30	8	1,707.71	8	1,346.94	8	990.42	8	636.68	8	273.35	8		8		8			
1/4	2,063.72	1/4	1,700.13	1/4	1,339.53	1/4	983.09	1/4	629.30	1/4	265.76	1/4		1/4		1/4			
1/2	2,056.15	1/2	1,692.56	1/2	1,332.11	1/2	975.75	1/2	621.91	1/2	258.16	1/2		1/2		1/2			
3/4	2,048.57	3/4	1,684.98	3/4	1,324.70	3/4	968.41	3/4	614.53	3/4	250.57	3/4		3/4		3/4			
9	2,041.00	9	1,677.41	9	1,317.29	9	961.07	9	607.14	9	242.97	9		9		9			
1/4	2,033.42	1/4	1,669.83	1/4	1,309.88	1/4	953.73	1/4	599.65	1/4	235.38	1/4		1/4		1/4			
1/2	2,025.85	1/2	1,662.26	1/2	1,302.47	1/2	946.38	1/2	592.16	1/2	227.78	1/2		1/2		1/2			
3/4	2,018.27	3/4	1,654.69	3/4	1,295.07	3/4	939.03	3/4	584.67	3/4	220.19	3/4		3/4		3/4			
10	2,010.70	10	1,647.11	10	1,287.66	10	931.69	10	577.18	10	212.59	10		10		10			
1/4	2,003.12	1/4	1,639.54	1/4	1,280.18	1/4	924.33	1/4	569.58	1/4	204.99	1/4		1/4		1/4			
1/2	1,995.55	1/2	1,631.96	1/2	1,272.71	1/2	916.97	1/2	561.99	1/2	197.40	1/2		1/2		1/2			
3/4	1,987.98	3/4	1,624.39	3/4	1,265.23	3/4	909.62	3/4	554.39	3/4	189.80	3/4		3/4		3/4			
11	1,980.40	11	1,616.81	11	1,257.75	11	902.26	11	546.80	11	182.21	11		11		11			
1/4	1,972.83	1/4	1,609.25	1/4	1,250.19	1/4	894.91	1/4	539.20	1/4	174.61	1/4		1/4		1/4			
1/2	1,965.25	1/2	1,601.68	1/2	1,242.63	1/2	887.55	1/2	531.61	1/2	167.02	1/2		1/2		1/2			
3/4	1,957.68	3/4	1,594.12	3/4	1,235.07	3/4	880.19	3/4	524.01	3/4	159.42	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/11/2006 CL - SW
CALCULATED: 05/14/2006 CL
PRINTED: 05/14/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2006

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "KIRBY 28073"

3 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-06"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,494.13	0	4,240.31	0	3,979.76	0	3,705.22	0	3,425.12	0	3,064.01	0	2,699.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,489.39	1/4	4,235.01	1/4	3,974.15	1/4	3,699.38	1/4	3,418.40	1/4	3,056.41	1/4	2,691.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,484.66	1/2	4,229.72	1/2	3,968.54	1/2	3,693.55	1/2	3,411.68	1/2	3,048.82	1/2	2,684.19
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,479.93	3/4	4,224.43	3/4	3,962.92	3/4	3,687.72	3/4	3,404.97	3/4	3,041.22	3/4	2,676.59
1		1		1		1	4,475.20	1	4,219.13	1	3,957.31	1	3,681.88	1	3,398.25	1	3,033.62	1	2,669.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,470.16	1/4	4,213.82	1/4	3,951.68	1/4	3,676.05	1/4	3,390.65	1/4	3,026.03	1/4	2,661.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,465.12	1/2	4,208.51	1/2	3,946.04	1/2	3,670.21	1/2	3,383.06	1/2	3,018.43	1/2	2,653.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,460.08	3/4	4,203.20	3/4	3,940.41	3/4	3,664.38	3/4	3,375.46	3/4	3,010.83	3/4	2,646.21
2		2		2		2	4,455.04	2	4,197.89	2	3,934.78	2	3,658.54	2	3,367.87	2	3,003.24	2	2,638.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,449.37	1/4	4,192.56	1/4	3,929.12	1/4	3,652.71	1/4	3,360.27	1/4	2,995.64	1/4	2,631.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,443.70	1/2	4,187.23	1/2	3,923.47	1/2	3,646.87	1/2	3,352.67	1/2	2,988.05	1/2	2,623.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,438.02	3/4	4,181.90	3/4	3,917.82	3/4	3,641.04	3/4	3,345.08	3/4	2,980.45	3/4	2,615.82
3		3		3		3	4,432.35	3	4,176.57	3	3,912.16	3	3,635.20	3	3,337.48	3	2,972.85	3	2,608.23
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,426.60	1/4	4,171.22	1/4	3,906.49	1/4	3,629.36	1/4	3,329.88	1/4	2,965.26	1/4	2,600.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,420.85	1/2	4,165.87	1/2	3,900.82	1/2	3,623.53	1/2	3,322.29	1/2	2,957.66	1/2	2,593.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,415.10	3/4	4,160.52	3/4	3,895.15	3/4	3,617.69	3/4	3,314.69	3/4	2,950.06	3/4	2,585.44
4		4		4		4	4,409.35	4	4,155.17	4	3,889.47	4	3,611.86	4	3,307.09	4	2,942.47	4	2,577.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,403.75	1/4	4,149.80	1/4	3,883.78	1/4	3,606.02	1/4	3,299.50	1/4	2,934.87	1/4	2,570.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,398.14	1/2	4,144.43	1/2	3,878.09	1/2	3,600.19	1/2	3,291.90	1/2	2,927.27	1/2	2,562.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,392.54	3/4	4,139.07	3/4	3,872.40	3/4	3,594.35	3/4	3,284.30	3/4	2,919.68	3/4	2,555.05
5		5		5		5	4,386.94	5	4,133.70	5	3,866.71	5	3,588.51	5	3,276.71	5	2,912.08	5	2,547.45
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,381.63	1/4	4,128.31	1/4	3,861.01	1/4	3,582.68	1/4	3,269.11	1/4	2,904.48	1/4	2,539.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,376.32	1/2	4,122.92	1/2	3,855.30	1/2	3,576.84	1/2	3,261.52	1/2	2,896.89	1/2	2,532.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,371.01	3/4	4,117.53	3/4	3,849.59	3/4	3,571.01	3/4	3,253.92	3/4	2,889.29	3/4	2,524.66
6		6		6		6	4,365.70	6	4,112.14	6	3,843.88	6	3,565.17	6	3,246.32	6	2,881.70	6	2,517.07
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,360.53	1/4	4,106.73	1/4	3,838.15	1/4	3,559.34	1/4	3,238.73	1/4	2,874.10	1/4	2,509.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,355.35	1/2	4,101.32	1/2	3,832.42	1/2	3,553.50	1/2	3,231.13	1/2	2,866.50	1/2	2,501.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,350.18	3/4	4,095.91	3/4	3,826.70	3/4	3,547.67	3/4	3,223.53	3/4	2,858.91	3/4	2,494.28
7		7		7		7	4,345.00	7	4,090.50	7	3,820.97	7	3,541.83	7	3,215.94	7	2,851.31	7	2,486.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,339.81	1/4	4,085.05	1/4	3,815.22	1/4	3,535.99	1/4	3,208.34	1/4	2,843.71	1/4	2,479.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,334.61	1/2	4,079.60	1/2	3,809.47	1/2	3,530.16	1/2	3,200.74	1/2	2,836.12	1/2	2,471.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,329.42	3/4	4,074.15	3/4	3,803.72	3/4	3,524.32	3/4	3,193.15	3/4	2,828.52	3/4	2,463.89
8		8		8		8	4,324.22	8	4,068.70	8	3,797.97	8	3,518.49	8	3,185.55	8	2,820.92	8	2,456.30
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,319.01	1/4	4,063.19	1/4	3,792.21	1/4	3,512.65	1/4	3,177.96	1/4	2,813.33	1/4	2,448.70
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,313.79	1/2	4,057.67	1/2	3,786.44	1/2	3,506.82	1/2	3,170.36	1/2	2,805.73	1/2	2,441.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,308.58	3/4	4,052.16	3/4	3,780.67	3/4	3,500.98	3/4	3,162.76	3/4	2,798.14	3/4	2,433.51
9		9		9		9	4,303.36	9	4,046.65	9	3,774.90	9	3,495.15	9	3,155.17	9	2,790.54	9	2,425.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,298.13	1/4	4,041.09	1/4	3,769.11	1/4	3,489.31	1/4	3,147.57	1/4	2,782.94	1/4	2,418.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,292.89	1/2	4,035.54	1/2	3,763.33	1/2	3,483.47	1/2	3,139.97	1/2	2,775.35	1/2	2,410.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,287.66	3/4	4,029.99	3/4	3,757.54	3/4	3,477.64	3/4	3,132.38	3/4	2,767.75	3/4	2,403.12
10		10		10		10	4,282.43	10	4,024.43	10	3,751.75	10	3,471.80	10	3,124.78	10	2,760.15	10	2,395.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,277.17	1/4	4,018.86	1/4	3,745.94	1/4	3,465.97	1/4	3,117.18	1/4	2,752.56	1/4	2,387.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,271.92	1/2	4,013.29	1/2	3,740.13	1/2	3,460.13	1/2	3,109.59	1/2	2,744.96	1/2	2,380.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,266.66	3/4	4,007.71	3/4	3,734.33	3/4	3,454.30	3/4	3,101.99	3/4	2,737.36	3/4	2,372.74
11		11		11		11	4,261.41	11	4,002.14	11	3,728.52	11	3,448.46	11	3,094.39	11	2,729.77	11	2,365.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,256.13	1/4	3,996.54	1/4	3,722.69	1/4	3,442.62	1/4	3,086.80	1/4	2,722.17	1/4	2,357.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,250.86	1/2	3,990.95	1/2	3,716.87	1/2	3,436.79	1/2	3,079.20	1/2	2,714.57	1/2	2,349.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,245.58	3/4	3,985.36	3/4	3,711.04	3/4	3,430.95	3/4	3,071.61	3/4	2,706.98	3/4	2,342.35

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 52'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 28073"

3 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-06"

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	2,334.75	0	1,970.13	0	1,605.49	0	1,244.73	0	881.04	0	516.54	0	151.86	0		0			
1/4	2,327.16	1/4	1,962.53	1/4	1,597.89	1/4	1,237.13	1/4	873.47	1/4	508.94	1/4	144.58	1/4		1/4			
1/2	2,319.56	1/2	1,954.93	1/2	1,590.30	1/2	1,229.54	1/2	865.90	1/2	501.34	1/2	137.30	1/2		1/2			
3/4	2,311.97	3/4	1,947.34	3/4	1,582.70	3/4	1,221.94	3/4	858.33	3/4	493.74	3/4	130.02	3/4		3/4			
1	2,304.37	1	1,939.74	1	1,575.10	1	1,214.34	1	850.76	1	486.15	1	122.74	1		1			
1/4	2,296.77	1/4	1,932.14	1/4	1,567.51	1/4	1,206.75	1/4	843.17	1/4	478.55	1/4	116.41	1/4		1/4			
1/2	2,289.18	1/2	1,924.55	1/2	1,559.91	1/2	1,199.15	1/2	835.59	1/2	470.95	1/2	110.08	1/2		1/2			
3/4	2,281.58	3/4	1,916.95	3/4	1,552.31	3/4	1,191.55	3/4	828.01	3/4	463.36	3/4	103.75	3/4		3/4			
2	2,273.98	2	1,909.35	2	1,544.72	2	1,183.95	2	820.42	2	455.76	2	97.42	2		2			
1/4	2,266.39	1/4	1,901.76	1/4	1,537.12	1/4	1,176.36	1/4	812.83	1/4	448.16	1/4	92.36	1/4		1/4			
1/2	2,258.79	1/2	1,894.16	1/2	1,529.52	1/2	1,168.76	1/2	805.23	1/2	440.56	1/2	87.30	1/2		1/2			
3/4	2,251.19	3/4	1,886.56	3/4	1,521.93	3/4	1,161.16	3/4	797.63	3/4	432.97	3/4	82.24	3/4		3/4			
3	2,243.60	3	1,878.97	3	1,514.33	3	1,153.56	3	790.03	3	425.37	3	77.19	3		3			
1/4	2,236.00	1/4	1,871.37	1/4	1,506.73	1/4	1,145.98	1/4	782.44	1/4	417.77	1/4	73.40	1/4		1/4			
1/2	2,228.41	1/2	1,863.77	1/2	1,499.14	1/2	1,138.39	1/2	774.84	1/2	410.17	1/2	69.62	1/2		1/2			
3/4	2,220.81	3/4	1,856.18	3/4	1,491.54	3/4	1,130.81	3/4	767.24	3/4	402.58	3/4	65.84	3/4		3/4			
4	2,213.21	4	1,848.58	4	1,483.94	4	1,123.23	4	759.65	4	394.98	4	62.06	4		4			
1/4	2,205.62	1/4	1,840.98	1/4	1,476.43	1/4	1,115.66	1/4	752.05	1/4	387.38	1/4	59.56	1/4		1/4			
1/2	2,198.02	1/2	1,833.39	1/2	1,468.91	1/2	1,108.09	1/2	744.45	1/2	379.78	1/2	57.07	1/2		1/2			
3/4	2,190.42	3/4	1,825.79	3/4	1,461.40	3/4	1,100.52	3/4	736.86	3/4	372.19	3/4	54.57	3/4		3/4			
5	2,182.83	5	1,818.19	5	1,453.88	5	1,092.95	5	729.26	5	364.59	5	52.07	5		5			
1/4	2,175.23	1/4	1,810.60	1/4	1,446.45	1/4	1,085.38	1/4	721.66	1/4	356.99	1/4	50.88	1/4		1/4			
1/2	2,167.63	1/2	1,803.00	1/2	1,439.01	1/2	1,077.81	1/2	714.06	1/2	349.39	1/2	49.68	1/2		1/2			
3/4	2,160.04	3/4	1,795.40	3/4	1,431.58	3/4	1,070.24	3/4	706.47	3/4	341.80	3/4	48.48	3/4		3/4			
6	2,152.44	6	1,787.81	6	1,424.14	6	1,062.67	6	698.87	6	334.20	6	47.28	6		6			
1/4	2,144.84	1/4	1,780.21	1/4	1,416.71	1/4	1,055.11	1/4	691.27	1/4	326.60	1/4		1/4		1/4			
1/2	2,137.25	1/2	1,772.61	1/2	1,409.27	1/2	1,047.54	1/2	683.68	1/2	319.00	1/2		1/2		1/2			
3/4	2,129.65	3/4	1,765.02	3/4	1,401.84	3/4	1,039.97	3/4	676.08	3/4	311.41	3/4		3/4		3/4			
7	2,122.06	7	1,757.42	7	1,394.40	7	1,032.40	7	668.48	7	303.81	7		7		7			
1/4	2,114.46	1/4	1,749.82	1/4	1,386.97	1/4	1,024.83	1/4	660.89	1/4	296.21	1/4		1/4		1/4			
1/2	2,106.86	1/2	1,742.23	1/2	1,379.53	1/2	1,017.27	1/2	653.29	1/2	288.61	1/2		1/2		1/2			
3/4	2,099.27	3/4	1,734.63	3/4	1,372.10	3/4	1,009.70	3/4	645.69	3/4	281.02	3/4		3/4		3/4			
8	2,091.67	8	1,727.03	8	1,364.67	8	1,002.13	8	638.09	8	273.42	8		8		8			
1/4	2,084.07	1/4	1,719.44	1/4	1,357.23	1/4	994.56	1/4	630.50	1/4	265.82	1/4		1/4		1/4			
1/2	2,076.48	1/2	1,711.84	1/2	1,349.80	1/2	986.99	1/2	622.90	1/2	258.23	1/2		1/2		1/2			
3/4	2,068.88	3/4	1,704.24	3/4	1,342.36	3/4	979.42	3/4	615.30	3/4	250.63	3/4		3/4		3/4			
9	2,061.28	9	1,696.65	9	1,334.93	9	971.86	9	607.71	9	243.03	9		9		9			
1/4	2,053.69	1/4	1,689.05	1/4	1,327.49	1/4	964.29	1/4	600.11	1/4	235.43	1/4		1/4		1/4			
1/2	2,046.09	1/2	1,681.45	1/2	1,320.06	1/2	956.72	1/2	592.51	1/2	227.84	1/2		1/2		1/2			
3/4	2,038.50	3/4	1,673.86	3/4	1,312.62	3/4	949.15	3/4	584.91	3/4	220.24	3/4		3/4		3/4			
10	2,030.90	10	1,666.26	10	1,305.19	10	941.58	10	577.32	10	212.64	10		10		10			
1/4	2,023.30	1/4	1,658.66	1/4	1,297.67	1/4	934.02	1/4	569.72	1/4	205.04	1/4		1/4		1/4			
1/2	2,015.71	1/2	1,651.07	1/2	1,290.15	1/2	926.45	1/2	562.12	1/2	197.45	1/2		1/2		1/2			
3/4	2,008.11	3/4	1,643.47	3/4	1,282.64	3/4	918.88	3/4	554.52	3/4	189.85	3/4		3/4		3/4			
11	2,000.51	11	1,635.87	11	1,275.12	11	911.31	11	546.93	11	182.25	11		11		11			
1/4	1,992.92	1/4	1,628.28	1/4	1,267.52	1/4	903.74	1/4	539.33	1/4	174.65	1/4		1/4		1/4			
1/2	1,985.32	1/2	1,620.68	1/2	1,259.93	1/2	896.18	1/2	531.73	1/2	167.06	1/2		1/2		1/2			
3/4	1,977.72	3/4	1,613.09	3/4	1,252.33	3/4	888.61	3/4	524.13	3/4	159.46	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/11/2006 CL - SW
CALCULATED: 05/14/2006 CL
PRINTED: 05/14/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2006

PRECISION MEASUREMENT
& ANALYSIS, INC.

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