



# BARGE "KIRBY 28077"

## 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	01-3/4	- 01-3/4	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	01-7/8	- 01-7/8	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	01-7/8	- 01-7/8	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"

June 29, 2006

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 28077"

## 1 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0	4,518.35	0	4,185.76	0	3,829.38	0	3,463.00	0	3,096.61	0	2,730.23
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,837.15	1/4	4,511.66	1/4	4,178.54	1/4	3,821.75	1/4	3,455.36	1/4	3,088.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,831.51	1/2	4,504.97	1/2	4,171.32	1/2	3,814.11	1/2	3,447.73	1/2	3,081.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,825.87	3/4	4,498.28	3/4	4,164.11	3/4	3,806.48	3/4	3,440.10	3/4	3,073.71
1		1		1		1		1	4,819.04	1	4,491.55	1	4,156.85	1	3,798.85	1	3,432.46	1	3,066.08
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,812.20	1/4	4,484.83	1/4	4,149.60	1/4	3,791.21	1/4	3,424.83	1/4	3,058.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,805.37	1/2	4,478.11	1/2	4,142.34	1/2	3,783.58	1/2	3,417.20	1/2	3,050.81
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,798.54	3/4	4,471.38	3/4	4,135.09	3/4	3,775.95	3/4	3,409.56	3/4	3,043.18
2		2		2		2		2	4,791.07	2	4,464.63	2	4,127.80	2	3,768.32	2	3,401.93	2	3,035.55
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,783.60	1/4	4,457.87	1/4	4,120.51	1/4	3,760.68	1/4	3,394.30	1/4	3,027.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,776.13	1/2	4,451.11	1/2	4,113.21	1/2	3,753.05	1/2	3,386.67	1/2	3,020.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,768.66	3/4	4,444.35	3/4	4,105.92	3/4	3,745.42	3/4	3,379.03	3/4	3,012.65
3		3		3		3		3	4,761.12	3	4,437.56	3	4,098.60	3	3,737.78	3	3,371.40	3	3,005.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,753.57	1/4	4,430.76	1/4	4,091.27	1/4	3,730.15	1/4	3,363.77	1/4	2,997.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,746.02	1/2	4,423.96	1/2	4,083.94	1/2	3,722.52	1/2	3,356.13	1/2	2,989.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,738.47	3/4	4,417.17	3/4	4,076.62	3/4	3,714.88	3/4	3,348.50	3/4	2,982.12
4		4		4		4		4	4,731.20	4	4,410.34	4	4,069.26	4	3,707.25	4	3,340.87	4	2,974.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,723.93	1/4	4,403.50	1/4	4,061.90	1/4	3,699.62	1/4	3,333.23	1/4	2,966.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,716.66	1/2	4,396.67	1/2	4,054.54	1/2	3,691.99	1/2	3,325.60	1/2	2,959.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,709.39	3/4	4,389.84	3/4	4,047.18	3/4	3,684.35	3/4	3,317.97	3/4	2,951.58
5		5		5		5		5	4,702.67	5	4,382.97	5	4,039.78	5	3,676.72	5	3,310.34	5	2,943.95
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,695.95	1/4	4,376.10	1/4	4,032.39	1/4	3,669.09	1/4	3,302.70	1/4	2,936.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,689.24	1/2	4,369.23	1/2	4,025.00	1/2	3,661.45	1/2	3,295.07	1/2	2,928.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,682.52	3/4	4,362.36	3/4	4,017.60	3/4	3,653.82	3/4	3,287.44	3/4	2,921.05
6		6		6		6		6	4,676.05	6	4,355.45	6	4,010.17	6	3,646.19	6	3,279.80	6	2,913.42
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,669.58	1/4	4,348.54	1/4	4,002.74	1/4	3,638.55	1/4	3,272.17	1/4	2,905.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,663.11	1/2	4,341.63	1/2	3,995.30	1/2	3,630.92	1/2	3,264.54	1/2	2,898.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,656.64	3/4	4,334.73	3/4	3,987.87	3/4	3,623.29	3/4	3,256.90	3/4	2,890.52
7		7		7		7		7	4,650.14	7	4,327.76	7	3,980.40	7	3,615.66	7	3,249.27	7	2,882.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,643.63	1/4	4,320.79	1/4	3,972.93	1/4	3,608.02	1/4	3,241.64	1/4	2,875.25
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,637.13	1/2	4,313.83	1/2	3,965.46	1/2	3,600.39	1/2	3,234.01	1/2	2,867.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,630.62	3/4	4,306.86	3/4	3,958.00	3/4	3,592.76	3/4	3,226.37	3/4	2,859.99
8		8		8		8		8	4,624.08	8	4,299.81	8	3,950.49	8	3,585.12	8	3,218.74	8	2,852.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,617.54	1/4	4,292.77	1/4	3,942.98	1/4	3,577.49	1/4	3,211.11	1/4	2,844.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,610.99	1/2	4,285.72	1/2	3,935.48	1/2	3,569.86	1/2	3,203.47	1/2	2,837.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,604.45	3/4	4,278.68	3/4	3,927.97	3/4	3,562.22	3/4	3,195.84	3/4	2,829.46
9		9		9		9		9	4,597.87	9	4,271.57	9	3,920.42	9	3,554.59	9	3,188.21	9	2,821.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,591.29	1/4	4,264.47	1/4	3,912.88	1/4	3,546.96	1/4	3,180.57	1/4	2,814.19
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,584.71	1/2	4,257.36	1/2	3,905.34	1/2	3,539.33	1/2	3,172.94	1/2	2,806.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,578.13	3/4	4,250.26	3/4	3,897.79	3/4	3,531.69	3/4	3,165.31	3/4	2,798.92
10		10		10		10		10	4,571.51	10	4,243.12	10	3,890.21	10	3,524.06	10	3,157.68	10	2,791.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,564.89	1/4	4,235.97	1/4	3,882.63	1/4	3,516.43	1/4	3,150.04	1/4	2,783.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,558.28	1/2	4,228.83	1/2	3,875.05	1/2	3,508.79	1/2	3,142.41	1/2	2,776.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,551.66	3/4	4,221.69	3/4	3,867.47	3/4	3,501.16	3/4	3,134.78	3/4	2,768.39
11		11		11		11		11	4,545.00	11	4,214.51	11	3,859.85	11	3,493.53	11	3,127.14	11	2,760.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,538.35	1/4	4,207.33	1/4	3,852.24	1/4	3,485.89	1/4	3,119.51	1/4	2,753.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,531.69	1/2	4,200.15	1/2	3,844.63	1/2	3,478.26	1/2	3,111.88	1/2	2,745.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,525.04	3/4	4,192.97	3/4	3,837.01	3/4	3,470.63	3/4	3,104.24	3/4	2,737.86

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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# BARGE "KIRBY 28077"

## 1 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	2,363.84	0	1,997.46	0	1,631.06	0	1,265.32	0	901.03	0	535.00	0	188.26	0		0		0	
1/4	2,356.21	1/4	1,989.83	1/4	1,623.43	1/4	1,257.68	1/4	893.45	1/4	527.37	1/4	181.56	1/4	1/4		1/4		1/4
1/2	2,348.58	1/2	1,982.19	1/2	1,615.80	1/2	1,250.05	1/2	885.87	1/2	519.73	1/2	174.86	1/2	1/2		1/2		1/2
3/4	2,340.94	3/4	1,974.56	3/4	1,608.16	3/4	1,242.41	3/4	878.30	3/4	512.10	3/4	168.16	3/4	3/4		3/4		3/4
1	2,333.31	1	1,966.93	1	1,600.53	1	1,234.78	1	870.70	1	504.49	1	161.54	1		1		1	
1/4	2,325.68	1/4	1,959.29	1/4	1,592.90	1/4	1,227.15	1/4	863.11	1/4	496.87	1/4	154.93	1/4	1/4		1/4		1/4
1/2	2,318.05	1/2	1,951.66	1/2	1,585.26	1/2	1,219.51	1/2	855.52	1/2	489.26	1/2	148.32	1/2	1/2		1/2		1/2
3/4	2,310.41	3/4	1,944.03	3/4	1,577.63	3/4	1,211.88	3/4	847.93	3/4	481.65	3/4	141.71	3/4	3/4		3/4		3/4
2	2,302.78	2	1,936.39	2	1,570.00	2	1,204.26	2	840.31	2	474.10	2	135.18	2		2		2	
1/4	2,295.15	1/4	1,928.76	1/4	1,562.36	1/4	1,196.64	1/4	832.69	1/4	466.55	1/4	128.66	1/4	1/4		1/4		1/4
1/2	2,287.51	1/2	1,921.13	1/2	1,554.73	1/2	1,189.02	1/2	825.07	1/2	459.00	1/2	122.14	1/2	1/2		1/2		1/2
3/4	2,279.88	3/4	1,913.49	3/4	1,547.10	3/4	1,181.40	3/4	817.45	3/4	451.45	3/4	115.62	3/4	3/4		3/4		3/4
3	2,272.25	3	1,905.86	3	1,539.46	3	1,173.81	3	809.82	3	443.99	3	109.20	3		3		3	
1/4	2,264.61	1/4	1,898.23	1/4	1,531.83	1/4	1,166.22	1/4	802.18	1/4	436.52	1/4	102.77	1/4	1/4		1/4		1/4
1/2	2,256.98	1/2	1,890.59	1/2	1,524.20	1/2	1,158.63	1/2	794.55	1/2	429.06	1/2	96.35	1/2	1/2		1/2		1/2
3/4	2,249.35	3/4	1,882.96	3/4	1,516.56	3/4	1,151.03	3/4	786.92	3/4	421.59	3/4	89.92	3/4	3/4		3/4		3/4
4	2,241.72	4	1,875.33	4	1,508.93	4	1,143.46	4	779.28	4	414.22	4	83.61	4		4		4	
1/4	2,234.08	1/4	1,867.69	1/4	1,501.30	1/4	1,135.88	1/4	771.65	1/4	406.84	1/4	77.29	1/4	1/4		1/4		1/4
1/2	2,226.45	1/2	1,860.06	1/2	1,493.66	1/2	1,128.30	1/2	764.02	1/2	399.46	1/2	70.97	1/2	1/2		1/2		1/2
3/4	2,218.82	3/4	1,852.43	3/4	1,486.03	3/4	1,120.72	3/4	756.38	3/4	392.08	3/4	64.65	3/4	3/4		3/4		3/4
5	2,211.18	5	1,844.79	5	1,478.41	5	1,113.15	5	748.75	5	384.78	5	58.45	5		5		5	
1/4	2,203.55	1/4	1,837.16	1/4	1,470.79	1/4	1,105.57	1/4	741.11	1/4	377.49	1/4	52.25	1/4	1/4		1/4		1/4
1/2	2,195.92	1/2	1,829.53	1/2	1,463.17	1/2	1,098.00	1/2	733.48	1/2	370.19	1/2	46.05	1/2	1/2		1/2		1/2
3/4	2,188.28	3/4	1,821.89	3/4	1,455.55	3/4	1,090.42	3/4	725.85	3/4	362.90	3/4	39.84	3/4	3/4		3/4		3/4
6	2,180.65	6	1,814.26	6	1,447.95	6	1,082.84	6	718.21	6	355.69	6	34.34	6		6		6	
1/4	2,173.02	1/4	1,806.63	1/4	1,440.34	1/4	1,075.27	1/4	710.58	1/4	348.48	1/4	28.84	1/4	1/4		1/4		1/4
1/2	2,165.39	1/2	1,799.00	1/2	1,432.73	1/2	1,067.69	1/2	702.95	1/2	341.27	1/2	23.33	1/2	1/2		1/2		1/2
3/4	2,157.75	3/4	1,791.36	3/4	1,425.13	3/4	1,060.12	3/4	695.31	3/4	334.06	3/4	17.83	3/4	3/4		3/4		3/4
7	2,150.12	7	1,783.73	7	1,417.52	7	1,052.54	7	687.68	7	326.93	7	14.27	7		7		7	
1/4	2,142.49	1/4	1,776.10	1/4	1,409.92	1/4	1,044.97	1/4	680.05	1/4	319.81	1/4	10.71	1/4	1/4		1/4		1/4
1/2	2,134.85	1/2	1,768.46	1/2	1,402.31	1/2	1,037.39	1/2	672.41	1/2	312.69	1/2	7.15	1/2	1/2		1/2		1/2
3/4	2,127.22	3/4	1,760.83	3/4	1,394.71	3/4	1,029.82	3/4	664.78	3/4	305.56	3/4	3.59	3/4	3/4		3/4		3/4
8	2,119.59	8	1,753.20	8	1,387.10	8	1,022.24	8	657.15	8	298.52	8		8		8		8	
1/4	2,111.95	1/4	1,745.56	1/4	1,379.49	1/4	1,014.66	1/4	649.51	1/4	291.48	1/4		1/4	1/4		1/4		1/4
1/2	2,104.32	1/2	1,737.93	1/2	1,371.89	1/2	1,007.09	1/2	641.88	1/2	284.44	1/2		1/2	1/2		1/2		1/2
3/4	2,096.69	3/4	1,730.30	3/4	1,364.28	3/4	999.51	3/4	634.24	3/4	277.40	3/4		3/4	3/4		3/4		3/4
9	2,089.06	9	1,722.66	9	1,356.68	9	991.94	9	626.61	9	270.45	9		9		9		9	
1/4	2,081.42	1/4	1,715.03	1/4	1,349.07	1/4	984.36	1/4	618.98	1/4	263.49	1/4		1/4	1/4		1/4		1/4
1/2	2,073.79	1/2	1,707.40	1/2	1,341.46	1/2	976.79	1/2	611.34	1/2	256.54	1/2		1/2	1/2		1/2		1/2
3/4	2,066.16	3/4	1,699.76	3/4	1,333.86	3/4	969.21	3/4	603.71	3/4	249.58	3/4		3/4	3/4		3/4		3/4
10	2,058.52	10	1,692.13	10	1,326.25	10	961.63	10	596.07	10	242.71	10		10		10		10	
1/4	2,050.89	1/4	1,684.50	1/4	1,318.64	1/4	954.06	1/4	588.44	1/4	235.84	1/4		1/4	1/4		1/4		1/4
1/2	2,043.26	1/2	1,676.86	1/2	1,311.04	1/2	946.48	1/2	580.81	1/2	228.97	1/2		1/2	1/2		1/2		1/2
3/4	2,035.62	3/4	1,669.23	3/4	1,303.43	3/4	938.91	3/4	573.17	3/4	222.10	3/4		3/4	3/4		3/4		3/4
11	2,027.99	11	1,661.60	11	1,295.81	11	931.33	11	565.54	11	215.31	11		11		11		11	
1/4	2,020.36	1/4	1,653.96	1/4	1,288.19	1/4	923.76	1/4	557.90	1/4	208.53	1/4		1/4	1/4		1/4		1/4
1/2	2,012.73	1/2	1,646.33	1/2	1,280.57	1/2	916.18	1/2	550.27	1/2	201.74	1/2		1/2	1/2		1/2		1/2
3/4	2,005.09	3/4	1,638.70	3/4	1,272.95	3/4	908.61	3/4	542.64	3/4	194.96	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/27/2006 CL - SW  
CALCULATED: 06/29/2006 CL  
PRINTED: 06/29/2006 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2006

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



# BARGE "KIRBY 28077"

## 1 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-08"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0	4,525.65	0	4,193.65	0	3,837.75	0	3,471.43	0	3,105.10	0	2,738.78		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,518.96	1/4	4,186.43	1/4	3,830.12	1/4	3,463.79	1/4	3,097.47	1/4	2,731.15		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,512.27	1/2	4,179.22	1/2	3,822.48	1/2	3,456.16	1/2	3,089.84	1/2	2,723.52		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,505.58	3/4	4,172.00	3/4	3,814.85	3/4	3,448.53	3/4	3,082.21	3/4	2,715.89		
1		1		1		1	4,826.42	1	4,498.89	1	4,164.79	1	3,807.22	1	3,440.90	1	3,074.58	1	2,708.26		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,819.59	1/4	4,492.17	1/4	4,157.53	1/4	3,799.59	1/4	3,433.27	1/4	3,066.95	1/4	2,700.62		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,812.76	1/2	4,485.45	1/2	4,150.28	1/2	3,791.96	1/2	3,425.64	1/2	3,059.31	1/2	2,692.99		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,805.93	3/4	4,478.73	3/4	4,143.03	3/4	3,784.33	3/4	3,418.00	3/4	3,051.68	3/4	2,685.36		
2		2		2		2	4,799.10	2	4,472.01	2	4,135.77	2	3,776.69	2	3,410.37	2	3,044.05	2	2,677.73		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,791.63	1/4	4,465.25	1/4	4,128.48	1/4	3,769.06	1/4	3,402.74	1/4	3,036.42	1/4	2,670.10		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,784.17	1/2	4,458.49	1/2	4,121.19	1/2	3,761.43	1/2	3,395.11	1/2	3,028.79	1/2	2,662.47		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,776.70	3/4	4,451.74	3/4	4,113.90	3/4	3,753.80	3/4	3,387.48	3/4	3,021.16	3/4	2,654.83		
3		3		3		3	4,769.23	3	4,444.98	3	4,106.61	3	3,746.17	3	3,379.85	3	3,013.52	3	2,647.20		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,761.69	1/4	4,438.19	1/4	4,099.29	1/4	3,738.54	1/4	3,372.21	1/4	3,005.89	1/4	2,639.57		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,754.14	1/2	4,431.39	1/2	4,091.96	1/2	3,730.90	1/2	3,364.58	1/2	2,998.26	1/2	2,631.94		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,746.59	3/4	4,424.60	3/4	4,084.64	3/4	3,723.27	3/4	3,356.95	3/4	2,990.63	3/4	2,624.31		
4		4		4		4	4,739.04	4	4,417.80	4	4,077.31	4	3,715.64	4	3,349.32	4	2,983.00	4	2,616.68		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,731.78	1/4	4,410.97	1/4	4,069.95	1/4	3,708.01	1/4	3,341.69	1/4	2,975.37	1/4	2,609.04		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,724.51	1/2	4,404.14	1/2	4,062.60	1/2	3,700.38	1/2	3,334.06	1/2	2,967.73	1/2	2,601.41		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,717.24	3/4	4,397.31	3/4	4,055.24	3/4	3,692.75	3/4	3,326.42	3/4	2,960.10	3/4	2,593.78		
5		5		5		5	4,709.97	5	4,390.48	5	4,047.88	5	3,685.11	5	3,318.79	5	2,952.47	5	2,586.15		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,703.25	1/4	4,383.61	1/4	4,040.49	1/4	3,677.48	1/4	3,311.16	1/4	2,944.84	1/4	2,578.52		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,696.54	1/2	4,376.74	1/2	4,033.09	1/2	3,669.85	1/2	3,303.53	1/2	2,937.21	1/2	2,570.89		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,689.82	3/4	4,369.87	3/4	4,025.70	3/4	3,662.22	3/4	3,295.90	3/4	2,929.58	3/4	2,563.25		
6		6		6		6	4,683.10	6	4,363.00	6	4,018.31	6	3,654.59	6	3,288.27	6	2,921.94	6	2,555.62		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,676.63	1/4	4,356.09	1/4	4,010.87	1/4	3,646.96	1/4	3,280.63	1/4	2,914.31	1/4	2,547.99		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,670.17	1/2	4,349.19	1/2	4,003.44	1/2	3,639.32	1/2	3,273.00	1/2	2,906.68	1/2	2,540.36		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,663.70	3/4	4,342.28	3/4	3,996.01	3/4	3,631.69	3/4	3,265.37	3/4	2,899.05	3/4	2,532.73		
7		7		7		7	4,657.23	7	4,335.37	7	3,988.58	7	3,624.06	7	3,257.74	7	2,891.42	7	2,525.10		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,650.73	1/4	4,328.41	1/4	3,981.11	1/4	3,616.43	1/4	3,250.11	1/4	2,883.79	1/4	2,517.46		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,644.22	1/2	4,321.44	1/2	3,973.65	1/2	3,608.80	1/2	3,242.48	1/2	2,876.15	1/2	2,509.83		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,637.72	3/4	4,314.48	3/4	3,966.18	3/4	3,601.17	3/4	3,234.84	3/4	2,868.52	3/4	2,502.20		
8		8		8		8	4,631.22	8	4,307.51	8	3,958.71	8	3,593.53	8	3,227.21	8	2,860.89	8	2,494.57		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,624.67	1/4	4,300.47	1/4	3,951.21	1/4	3,585.90	1/4	3,219.58	1/4	2,853.26	1/4	2,486.94		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,618.13	1/2	4,293.42	1/2	3,943.70	1/2	3,578.27	1/2	3,211.95	1/2	2,845.63	1/2	2,479.31		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,611.59	3/4	4,286.38	3/4	3,936.19	3/4	3,570.64	3/4	3,204.32	3/4	2,838.00	3/4	2,471.67		
9		9		9		9	4,605.05	9	4,279.34	9	3,928.69	9	3,563.01	9	3,196.68	9	2,830.36	9	2,464.04		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,598.47	1/4	4,272.23	1/4	3,921.15	1/4	3,555.37	1/4	3,189.05	1/4	2,822.73	1/4	2,456.41		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,591.89	1/2	4,265.13	1/2	3,913.60	1/2	3,547.74	1/2	3,181.42	1/2	2,815.10	1/2	2,448.78		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,585.31	3/4	4,258.03	3/4	3,906.06	3/4	3,540.11	3/4	3,173.79	3/4	2,807.47	3/4	2,441.15		
10		10		10		10	4,578.73	10	4,250.92	10	3,898.52	10	3,532.48	10	3,166.16	10	2,799.84	10	2,433.51		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,572.12	1/4	4,243.78	1/4	3,890.94	1/4	3,524.85	1/4	3,158.53	1/4	2,792.20	1/4	2,425.88		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,565.50	1/2	4,236.64	1/2	3,883.36	1/2	3,517.22	1/2	3,150.89	1/2	2,784.57	1/2	2,418.25		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,558.88	3/4	4,229.50	3/4	3,875.78	3/4	3,509.58	3/4	3,143.26	3/4	2,776.94	3/4	2,410.62		
11		11		11		11	4,552.27	11	4,222.36	11	3,868.20	11	3,501.95	11	3,135.63	11	2,769.31	11	2,402.99		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,545.61	1/4	4,215.18	1/4	3,860.58	1/4	3,494.32	1/4	3,128.00	1/4	2,761.68	1/4	2,395.36		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,538.96	1/2	4,208.00	1/2	3,852.97	1/2	3,486.69	1/2	3,120.37	1/2	2,754.05	1/2	2,387.72		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,532.30	3/4	4,200.83	3/4	3,845.36	3/4	3,479.06	3/4	3,112.74	3/4	2,746.41	3/4	2,380.09		

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 28077"

## 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	2,372.46	0	2,006.14	0	1,639.80	0	1,274.12	0	908.73	0	542.54	0	194.92	0		0		0	
1/4	2,364.83	1/4	1,998.51	1/4	1,632.17	1/4	1,266.49	1/4	901.13	1/4	534.90	1/4	188.22	1/4		1/4		1/4	
1/2	2,357.20	1/2	1,990.88	1/2	1,624.54	1/2	1,258.86	1/2	893.52	1/2	527.27	1/2	181.52	1/2		1/2		1/2	
3/4	2,349.57	3/4	1,983.24	3/4	1,616.91	3/4	1,251.22	3/4	885.92	3/4	519.64	3/4	174.82	3/4		3/4		3/4	
1	2,341.93	1	1,975.61	1	1,609.28	1	1,243.59	1	878.31	1	512.01	1	168.12	1		1		1	
1/4	2,334.30	1/4	1,967.98	1/4	1,601.64	1/4	1,235.96	1/4	870.69	1/4	504.39	1/4	161.51	1/4		1/4		1/4	
1/2	2,326.67	1/2	1,960.35	1/2	1,594.01	1/2	1,228.33	1/2	863.07	1/2	496.78	1/2	154.90	1/2		1/2		1/2	
3/4	2,319.04	3/4	1,952.72	3/4	1,586.38	3/4	1,220.69	3/4	855.45	3/4	489.17	3/4	148.29	3/4		3/4		3/4	
2	2,311.41	2	1,945.08	2	1,578.75	2	1,213.06	2	847.83	2	481.56	2	141.68	2		2		2	
1/4	2,303.78	1/4	1,937.45	1/4	1,571.12	1/4	1,205.43	1/4	840.20	1/4	474.01	1/4	135.16	1/4		1/4		1/4	
1/2	2,296.14	1/2	1,929.82	1/2	1,563.48	1/2	1,197.80	1/2	832.57	1/2	466.46	1/2	128.64	1/2		1/2		1/2	
3/4	2,288.51	3/4	1,922.19	3/4	1,555.85	3/4	1,190.16	3/4	824.94	3/4	458.92	3/4	122.12	3/4		3/4		3/4	
3	2,280.88	3	1,914.56	3	1,548.22	3	1,182.53	3	817.30	3	451.37	3	115.60	3		3		3	
1/4	2,273.25	1/4	1,906.92	1/4	1,540.59	1/4	1,174.91	1/4	809.67	1/4	443.90	1/4	109.17	1/4		1/4		1/4	
1/2	2,265.62	1/2	1,899.29	1/2	1,532.96	1/2	1,167.29	1/2	802.04	1/2	436.44	1/2	102.75	1/2		1/2		1/2	
3/4	2,257.99	3/4	1,891.66	3/4	1,525.32	3/4	1,159.67	3/4	794.41	3/4	428.98	3/4	96.33	3/4		3/4		3/4	
4	2,250.35	4	1,884.03	4	1,517.69	4	1,152.05	4	786.77	4	421.52	4	89.91	4		4		4	
1/4	2,242.72	1/4	1,876.40	1/4	1,510.06	1/4	1,144.45	1/4	779.14	1/4	414.14	1/4	83.59	1/4		1/4		1/4	
1/2	2,235.09	1/2	1,868.76	1/2	1,502.43	1/2	1,136.84	1/2	771.51	1/2	406.76	1/2	77.27	1/2		1/2		1/2	
3/4	2,227.46	3/4	1,861.13	3/4	1,494.80	3/4	1,129.23	3/4	763.88	3/4	399.38	3/4	70.95	3/4		3/4		3/4	
5	2,219.83	5	1,853.50	5	1,487.16	5	1,121.63	5	756.25	5	392.00	5	64.63	5		5		5	
1/4	2,212.20	1/4	1,845.87	1/4	1,479.55	1/4	1,114.03	1/4	748.61	1/4	384.71	1/4	58.43	1/4		1/4		1/4	
1/2	2,204.56	1/2	1,838.24	1/2	1,471.93	1/2	1,106.42	1/2	740.98	1/2	377.42	1/2	52.23	1/2		1/2		1/2	
3/4	2,196.93	3/4	1,830.60	3/4	1,464.31	3/4	1,098.82	3/4	733.35	3/4	370.12	3/4	46.03	3/4		3/4		3/4	
6	2,189.30	6	1,822.97	6	1,456.69	6	1,091.22	6	725.72	6	362.83	6	39.83	6		6		6	
1/4	2,181.67	1/4	1,815.34	1/4	1,449.09	1/4	1,083.61	1/4	718.08	1/4	355.62	1/4	34.33	1/4		1/4		1/4	
1/2	2,174.04	1/2	1,807.71	1/2	1,441.48	1/2	1,076.01	1/2	710.45	1/2	348.41	1/2	28.83	1/2		1/2		1/2	
3/4	2,166.41	3/4	1,800.08	3/4	1,433.88	3/4	1,068.41	3/4	702.82	3/4	341.20	3/4	23.32	3/4		3/4		3/4	
7	2,158.77	7	1,792.44	7	1,426.27	7	1,060.80	7	695.19	7	334.00	7	17.82	7		7		7	
1/4	2,151.14	1/4	1,784.81	1/4	1,418.67	1/4	1,053.20	1/4	687.55	1/4	326.87	1/4	14.26	1/4		1/4		1/4	
1/2	2,143.51	1/2	1,777.18	1/2	1,411.07	1/2	1,045.60	1/2	679.92	1/2	319.75	1/2	10.70	1/2		1/2		1/2	
3/4	2,135.88	3/4	1,769.55	3/4	1,403.46	3/4	1,037.99	3/4	672.29	3/4	312.62	3/4	7.14	3/4		3/4		3/4	
8	2,128.25	8	1,761.92	8	1,395.86	8	1,030.39	8	664.66	8	305.50	8	3.59	8		8		8	
1/4	2,120.62	1/4	1,754.28	1/4	1,388.25	1/4	1,022.79	1/4	657.03	1/4	298.46	1/4		1/4		1/4		1/4	
1/2	2,112.98	1/2	1,746.65	1/2	1,380.65	1/2	1,015.18	1/2	649.39	1/2	291.42	1/2		1/2		1/2		1/2	
3/4	2,105.35	3/4	1,739.02	3/4	1,373.04	3/4	1,007.58	3/4	641.76	3/4	284.38	3/4		3/4		3/4		3/4	
9	2,097.72	9	1,731.39	9	1,365.44	9	999.98	9	634.13	9	277.35	9		9		9		9	
1/4	2,090.09	1/4	1,723.76	1/4	1,357.83	1/4	992.37	1/4	626.50	1/4	270.39	1/4		1/4		1/4		1/4	
1/2	2,082.46	1/2	1,716.12	1/2	1,350.23	1/2	984.77	1/2	618.86	1/2	263.44	1/2		1/2		1/2		1/2	
3/4	2,074.83	3/4	1,708.49	3/4	1,342.62	3/4	977.17	3/4	611.23	3/4	256.48	3/4		3/4		3/4		3/4	
10	2,067.19	10	1,700.86	10	1,335.02	10	969.56	10	603.60	10	249.53	10		10		10		10	
1/4	2,059.56	1/4	1,693.23	1/4	1,327.41	1/4	961.96	1/4	595.97	1/4	242.66	1/4		1/4		1/4		1/4	
1/2	2,051.93	1/2	1,685.60	1/2	1,319.81	1/2	954.35	1/2	588.33	1/2	235.79	1/2		1/2		1/2		1/2	
3/4	2,044.30	3/4	1,677.96	3/4	1,312.20	3/4	946.75	3/4	580.70	3/4	228.92	3/4		3/4		3/4		3/4	
11	2,036.67	11	1,670.33	11	1,304.60	11	939.15	11	573.07	11	222.05	11		11		11		11	
1/4	2,029.03	1/4	1,662.70	1/4	1,296.98	1/4	931.54	1/4	565.43	1/4	215.27	1/4		1/4		1/4		1/4	
1/2	2,021.40	1/2	1,655.07	1/2	1,289.36	1/2	923.94	1/2	557.80	1/2	208.49	1/2		1/2		1/2		1/2	
3/4	2,013.77	3/4	1,647.44	3/4	1,281.74	3/4	916.34	3/4	550.17	3/4	201.70	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/27/2006 CL - SW  
CALCULATED: 06/29/2006 CL  
PRINTED: 06/29/2006 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2006

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



# BARGE "KIRBY 28077"

## 2 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	4,849.03	0	4,524.69	0	4,193.29	0	3,838.47	0	3,474.55	0	3,110.61	0	2,746.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,843.43	1/4	4,518.05	1/4	4,186.12	1/4	3,830.89	1/4	3,466.96	1/4	3,103.03	1/4	2,739.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,836.65	1/2	4,511.37	1/2	4,178.91	1/2	3,823.31	1/2	3,459.38	1/2	3,095.45	1/2	2,731.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,829.86	3/4	4,504.69	3/4	4,171.71	3/4	3,815.73	3/4	3,451.80	3/4	3,087.87	3/4	2,723.94
1		1		1		1	4,823.07	1	4,498.01	1	4,164.50	1	3,808.15	1	3,444.22	1	3,080.29	1	2,716.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,816.29	1/4	4,491.34	1/4	4,157.30	1/4	3,800.57	1/4	3,436.64	1/4	3,072.70	1/4	2,708.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,808.87	1/2	4,484.62	1/2	4,150.05	1/2	3,792.99	1/2	3,429.05	1/2	3,065.12	1/2	2,701.19
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,801.45	3/4	4,477.91	3/4	4,142.81	3/4	3,785.40	3/4	3,421.47	3/4	3,057.54	3/4	2,693.61
2		2		2		2	4,794.03	2	4,471.20	2	4,135.57	2	3,777.82	2	3,413.89	2	3,049.96	2	2,686.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,786.61	1/4	4,464.49	1/4	4,128.33	1/4	3,770.24	1/4	3,406.31	1/4	3,042.38	1/4	2,678.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,779.11	1/2	4,457.74	1/2	4,121.05	1/2	3,762.66	1/2	3,398.73	1/2	3,034.79	1/2	2,670.86
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,771.62	3/4	4,450.99	3/4	4,113.77	3/4	3,755.08	3/4	3,391.14	3/4	3,027.21	3/4	2,663.28
3		3		3		3	4,764.12	3	4,444.24	3	4,106.49	3	3,747.49	3	3,383.56	3	3,019.63	3	2,655.70
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,756.62	1/4	4,437.49	1/4	4,099.21	1/4	3,739.91	1/4	3,375.98	1/4	3,012.05	1/4	2,648.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,749.40	1/2	4,430.70	1/2	4,091.90	1/2	3,732.33	1/2	3,368.40	1/2	3,004.47	1/2	2,640.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,742.18	3/4	4,423.91	3/4	4,084.59	3/4	3,724.75	3/4	3,360.82	3/4	2,996.89	3/4	2,632.95
4		4		4		4	4,734.96	4	4,417.13	4	4,077.28	4	3,717.17	4	3,353.23	4	2,989.30	4	2,625.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,727.74	1/4	4,410.34	1/4	4,069.97	1/4	3,709.58	1/4	3,345.65	1/4	2,981.72	1/4	2,617.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,721.07	1/2	4,403.51	1/2	4,062.63	1/2	3,702.00	1/2	3,338.07	1/2	2,974.14	1/2	2,610.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,714.39	3/4	4,396.69	3/4	4,055.28	3/4	3,694.42	3/4	3,330.49	3/4	2,966.56	3/4	2,602.63
5		5		5		5	4,707.72	5	4,389.87	5	4,047.94	5	3,686.84	5	3,322.91	5	2,958.98	5	2,595.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,701.05	1/4	4,383.04	1/4	4,040.59	1/4	3,679.26	1/4	3,315.33	1/4	2,951.39	1/4	2,587.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,694.62	1/2	4,376.18	1/2	4,033.21	1/2	3,671.67	1/2	3,307.74	1/2	2,943.81	1/2	2,579.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,688.20	3/4	4,369.32	3/4	4,025.83	3/4	3,664.09	3/4	3,300.16	3/4	2,936.23	3/4	2,572.30
6		6		6		6	4,681.77	6	4,362.46	6	4,018.45	6	3,656.51	6	3,292.58	6	2,928.65	6	2,564.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,675.35	1/4	4,355.60	1/4	4,011.06	1/4	3,648.93	1/4	3,285.00	1/4	2,921.07	1/4	2,557.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,668.89	1/2	4,348.68	1/2	4,003.65	1/2	3,641.35	1/2	3,277.42	1/2	2,913.48	1/2	2,549.55
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,662.42	3/4	4,341.76	3/4	3,996.23	3/4	3,633.77	3/4	3,269.83	3/4	2,905.90	3/4	2,541.97
7		7		7		7	4,655.96	7	4,334.84	7	3,988.81	7	3,626.18	7	3,262.25	7	2,898.32	7	2,534.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,649.50	1/4	4,327.92	1/4	3,981.39	1/4	3,618.60	1/4	3,254.67	1/4	2,890.74	1/4	2,526.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,643.00	1/2	4,320.92	1/2	3,973.93	1/2	3,611.02	1/2	3,247.09	1/2	2,883.16	1/2	2,519.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,636.50	3/4	4,313.92	3/4	3,966.47	3/4	3,603.44	3/4	3,239.51	3/4	2,875.58	3/4	2,511.64
8		8		8		8	4,630.00	8	4,306.92	8	3,959.02	8	3,595.86	8	3,231.92	8	2,867.99	8	2,504.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,623.51	1/4	4,299.93	1/4	3,951.56	1/4	3,588.27	1/4	3,224.34	1/4	2,860.41	1/4	2,496.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,616.97	1/2	4,292.87	1/2	3,944.07	1/2	3,580.69	1/2	3,216.76	1/2	2,852.83	1/2	2,488.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,610.43	3/4	4,285.81	3/4	3,936.57	3/4	3,573.11	3/4	3,209.18	3/4	2,845.25	3/4	2,481.32
9		9		9		9	4,603.90	9	4,278.75	9	3,929.08	9	3,565.53	9	3,201.60	9	2,837.67	9	2,473.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,597.36	1/4	4,271.70	1/4	3,921.59	1/4	3,557.95	1/4	3,194.01	1/4	2,830.08	1/4	2,466.15
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,590.79	1/2	4,264.60	1/2	3,914.06	1/2	3,550.36	1/2	3,186.43	1/2	2,822.50	1/2	2,458.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,584.22	3/4	4,257.51	3/4	3,906.52	3/4	3,542.78	3/4	3,178.85	3/4	2,814.92	3/4	2,450.99
10		10		10		10	4,577.64	10	4,250.41	10	3,898.99	10	3,535.20	10	3,171.27	10	2,807.34	10	2,443.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,571.07	1/4	4,243.32	1/4	3,891.46	1/4	3,527.62	1/4	3,163.69	1/4	2,799.76	1/4	2,435.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,564.46	1/2	4,236.19	1/2	3,883.90	1/2	3,520.04	1/2	3,156.11	1/2	2,792.17	1/2	2,428.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,557.85	3/4	4,229.06	3/4	3,876.34	3/4	3,512.45	3/4	3,148.52	3/4	2,784.59	3/4	2,420.66
11		11		11		11	4,551.24	11	4,221.93	11	3,868.78	11	3,504.87	11	3,140.94	11	2,777.01	11	2,413.08
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,544.63	1/4	4,214.79	1/4	3,861.21	1/4	3,497.29	1/4	3,133.36	1/4	2,769.43	1/4	2,405.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,537.98	1/2	4,207.63	1/2	3,853.63	1/2	3,489.71	1/2	3,125.78	1/2	2,761.85	1/2	2,397.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,531.34	3/4	4,200.46	3/4	3,846.05	3/4	3,482.13	3/4	3,118.20	3/4	2,754.26	3/4	2,390.33

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 28077"

## 2 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	2,382.75	0	2,018.82	0	1,654.88	0	1,294.81	0	944.27	0	583.70	0	219.72	0		0		0	
1/4	2,375.17	1/4	2,011.23	1/4	1,647.29	1/4	1,287.23	1/4	937.01	1/4	576.11	1/4	212.13	1/4		1/4		1/4	
1/2	2,367.59	1/2	2,003.65	1/2	1,639.71	1/2	1,279.65	1/2	929.74	1/2	568.53	1/2	204.55	1/2		1/2		1/2	
3/4	2,360.01	3/4	1,996.07	3/4	1,632.13	3/4	1,272.07	3/4	922.48	3/4	560.95	3/4	196.97	3/4		3/4		3/4	
1	2,352.42	1	1,988.49	1	1,624.55	1	1,264.48	1	915.21	1	553.36	1	189.39	1		1		1	
1/4	2,344.84	1/4	1,980.91	1/4	1,616.97	1/4	1,256.90	1/4	907.94	1/4	545.78	1/4	181.81	1/4		1/4		1/4	
1/2	2,337.26	1/2	1,973.32	1/2	1,609.38	1/2	1,249.47	1/2	900.66	1/2	538.20	1/2	174.24	1/2		1/2		1/2	
3/4	2,329.68	3/4	1,965.74	3/4	1,601.80	3/4	1,242.04	3/4	893.38	3/4	530.62	3/4	166.67	3/4		3/4		3/4	
2	2,322.10	2	1,958.16	2	1,594.22	2	1,234.61	2	886.10	2	523.03	2	159.09	2		2		2	
1/4	2,314.51	1/4	1,950.58	1/4	1,586.64	1/4	1,227.17	1/4	878.82	1/4	515.45	1/4	151.52	1/4		1/4		1/4	
1/2	2,306.93	1/2	1,943.00	1/2	1,579.05	1/2	1,219.91	1/2	871.38	1/2	507.87	1/2	143.96	1/2		1/2		1/2	
3/4	2,299.35	3/4	1,935.41	3/4	1,571.47	3/4	1,212.64	3/4	863.95	3/4	500.28	3/4	136.40	3/4		3/4		3/4	
3	2,291.77	3	1,927.83	3	1,563.89	3	1,205.37	3	856.52	3	492.70	3	128.84	3		3		3	
1/4	2,284.19	1/4	1,920.25	1/4	1,556.31	1/4	1,198.10	1/4	849.09	1/4	485.12	1/4	121.28	1/4		1/4		1/4	
1/2	2,276.60	1/2	1,912.67	1/2	1,548.81	1/2	1,190.84	1/2	841.51	1/2	477.53	1/2	113.73	1/2		1/2		1/2	
3/4	2,269.02	3/4	1,905.09	3/4	1,541.31	3/4	1,183.59	3/4	833.92	3/4	469.95	3/4	106.19	3/4		3/4		3/4	
4	2,261.44	4	1,897.50	4	1,533.80	4	1,176.34	4	826.34	4	462.37	4	98.65	4		4		4	
1/4	2,253.86	1/4	1,889.92	1/4	1,526.30	1/4	1,169.08	1/4	818.76	1/4	454.79	1/4	91.11	1/4		1/4		1/4	
1/2	2,246.28	1/2	1,882.34	1/2	1,518.88	1/2	1,161.83	1/2	811.18	1/2	447.20	1/2	83.60	1/2		1/2		1/2	
3/4	2,238.70	3/4	1,874.76	3/4	1,511.46	3/4	1,154.58	3/4	803.59	3/4	439.62	3/4	76.09	3/4		3/4		3/4	
5	2,231.11	5	1,867.17	5	1,504.04	5	1,147.33	5	796.01	5	432.04	5	68.59	5		5		5	
1/4	2,223.53	1/4	1,859.59	1/4	1,496.62	1/4	1,140.07	1/4	788.43	1/4	424.45	1/4	61.08	1/4		1/4		1/4	
1/2	2,215.95	1/2	1,852.01	1/2	1,489.20	1/2	1,132.82	1/2	780.85	1/2	416.87	1/2	54.18	1/2		1/2		1/2	
3/4	2,208.37	3/4	1,844.43	3/4	1,481.78	3/4	1,125.57	3/4	773.26	3/4	409.29	3/4	47.28	3/4		3/4		3/4	
6	2,200.79	6	1,836.85	6	1,474.36	6	1,118.32	6	765.68	6	401.71	6	40.38	6		6		6	
1/4	2,193.20	1/4	1,829.26	1/4	1,466.94	1/4	1,111.07	1/4	758.10	1/4	394.12	1/4	33.47	1/4		1/4		1/4	
1/2	2,185.62	1/2	1,821.68	1/2	1,459.52	1/2	1,103.81	1/2	750.52	1/2	386.54	1/2	28.42	1/2		1/2		1/2	
3/4	2,178.04	3/4	1,814.10	3/4	1,452.10	3/4	1,096.56	3/4	742.93	3/4	378.96	3/4	23.37	3/4		3/4		3/4	
7	2,170.46	7	1,806.52	7	1,444.68	7	1,089.31	7	735.35	7	371.37	7	18.32	7		7		7	
1/4	2,162.88	1/4	1,798.94	1/4	1,437.26	1/4	1,082.06	1/4	727.77	1/4	363.79	1/4	13.26	1/4		1/4		1/4	
1/2	2,155.29	1/2	1,791.35	1/2	1,429.84	1/2	1,074.81	1/2	720.19	1/2	356.21	1/2		1/2		1/2		1/2	
3/4	2,147.71	3/4	1,783.77	3/4	1,422.42	3/4	1,067.56	3/4	712.60	3/4	348.63	3/4		3/4		3/4		3/4	
8	2,140.13	8	1,776.19	8	1,415.00	8	1,060.30	8	705.02	8	341.04	8		8		8		8	
1/4	2,132.55	1/4	1,768.61	1/4	1,407.58	1/4	1,053.05	1/4	697.44	1/4	333.46	1/4		1/4		1/4		1/4	
1/2	2,124.97	1/2	1,761.03	1/2	1,400.16	1/2	1,045.80	1/2	689.86	1/2	325.88	1/2		1/2		1/2		1/2	
3/4	2,117.39	3/4	1,753.44	3/4	1,392.74	3/4	1,038.55	3/4	682.27	3/4	318.29	3/4		3/4		3/4		3/4	
9	2,109.80	9	1,745.86	9	1,385.32	9	1,031.30	9	674.69	9	310.71	9		9		9		9	
1/4	2,102.22	1/4	1,738.28	1/4	1,377.90	1/4	1,024.04	1/4	667.11	1/4	303.13	1/4		1/4		1/4		1/4	
1/2	2,094.64	1/2	1,730.70	1/2	1,370.40	1/2	1,016.79	1/2	659.52	1/2	295.55	1/2		1/2		1/2		1/2	
3/4	2,087.06	3/4	1,723.11	3/4	1,362.90	3/4	1,009.54	3/4	651.94	3/4	287.96	3/4		3/4		3/4		3/4	
10	2,079.48	10	1,715.53	10	1,355.40	10	1,002.29	10	644.36	10	280.38	10		10		10		10	
1/4	2,071.89	1/4	1,707.95	1/4	1,347.89	1/4	995.04	1/4	636.78	1/4	272.80	1/4		1/4		1/4		1/4	
1/2	2,064.31	1/2	1,700.37	1/2	1,340.31	1/2	987.78	1/2	629.19	1/2	265.21	1/2		1/2		1/2		1/2	
3/4	2,056.73	3/4	1,692.79	3/4	1,332.73	3/4	980.53	3/4	621.61	3/4	257.63	3/4		3/4		3/4		3/4	
11	2,049.15	11	1,685.20	11	1,325.15	11	973.28	11	614.03	11	250.05	11		11		11		11	
1/4	2,041.57	1/4	1,677.62	1/4	1,317.56	1/4	966.03	1/4	606.44	1/4	242.46	1/4		1/4		1/4		1/4	
1/2	2,033.98	1/2	1,670.04	1/2	1,309.98	1/2	958.77	1/2	598.86	1/2	234.88	1/2		1/2		1/2		1/2	
3/4	2,026.40	3/4	1,662.46	3/4	1,302.40	3/4	951.52	3/4	591.28	3/4	227.30	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/27/2006 CL - SW  
CALCULATED: 06/29/2006 CL  
PRINTED: 06/29/2006 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2006

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





# BARGE "KIRBY 28077"

## 2 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0	4,547.57	0	4,216.64	0	3,862.20	0	3,498.23	0	3,134.25	0	2,770.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,540.92	1/4	4,209.47	1/4	3,854.62	1/4	3,490.64	1/4	3,126.67	1/4	2,762.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,859.71	1/2	4,534.27	1/2	4,202.30	1/2	3,847.04	1/2	3,483.06	1/2	3,119.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,852.92	3/4	4,527.60	3/4	4,195.10	3/4	3,839.45	3/4	3,475.48	3/4	3,111.50
1		1		1		1		1	4,846.13	1	4,520.92	1	4,187.89	1	3,831.87	1	3,467.90	1	3,103.92
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,839.34	1/4	4,514.24	1/4	4,180.68	1/4	3,824.29	1/4	3,460.31	1/4	3,096.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,832.55	1/2	4,507.56	1/2	4,173.48	1/2	3,816.70	1/2	3,452.73	1/2	3,088.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,825.14	3/4	4,500.85	3/4	4,166.23	3/4	3,809.12	3/4	3,445.15	3/4	3,081.17
2		2		2		2		2	4,817.72	2	4,494.13	2	4,158.99	2	3,801.54	2	3,437.56	2	3,073.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,810.30	1/4	4,487.42	1/4	4,151.75	1/4	3,793.96	1/4	3,429.98	1/4	3,066.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,802.88	1/2	4,480.71	1/2	4,144.50	1/2	3,786.37	1/2	3,422.40	1/2	3,058.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,795.38	3/4	4,473.95	3/4	4,137.22	3/4	3,778.79	3/4	3,414.82	3/4	3,050.84
3		3		3		3		3	4,787.88	3	4,467.20	3	4,129.95	3	3,771.21	3	3,407.23	3	3,043.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,780.38	1/4	4,460.45	1/4	4,122.67	1/4	3,763.62	1/4	3,399.65	1/4	3,035.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,772.88	1/2	4,453.70	1/2	4,115.39	1/2	3,756.04	1/2	3,392.07	1/2	3,028.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,765.66	3/4	4,446.92	3/4	4,108.08	3/4	3,748.46	3/4	3,384.48	3/4	3,020.51
4		4		4		4		4	4,758.44	4	4,440.13	4	4,100.77	4	3,740.88	4	3,376.90	4	3,012.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,751.22	1/4	4,433.34	1/4	4,093.46	1/4	3,733.29	1/4	3,369.32	1/4	3,005.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,744.00	1/2	4,426.55	1/2	4,086.14	1/2	3,725.71	1/2	3,361.74	1/2	2,997.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,737.32	3/4	4,419.73	3/4	4,078.80	3/4	3,718.13	3/4	3,354.15	3/4	2,990.18
5		5		5		5		5	4,730.65	5	4,412.90	5	4,071.45	5	3,710.54	5	3,346.57	5	2,982.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,723.97	1/4	4,406.08	1/4	4,064.11	1/4	3,702.96	1/4	3,338.99	1/4	2,975.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,717.30	1/2	4,399.25	1/2	4,056.76	1/2	3,695.38	1/2	3,331.40	1/2	2,967.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,710.87	3/4	4,392.39	3/4	4,049.38	3/4	3,687.80	3/4	3,323.82	3/4	2,959.85
6		6		6		6		6	4,704.45	6	4,385.53	6	4,041.99	6	3,680.21	6	3,316.24	6	2,952.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,698.02	1/4	4,378.67	1/4	4,034.61	1/4	3,672.63	1/4	3,308.66	1/4	2,944.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,691.60	1/2	4,371.80	1/2	4,027.23	1/2	3,665.05	1/2	3,301.07	1/2	2,937.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,685.13	3/4	4,364.88	3/4	4,019.81	3/4	3,657.47	3/4	3,293.49	3/4	2,929.52
7		7		7		7		7	4,678.67	7	4,357.96	7	4,012.39	7	3,649.88	7	3,285.91	7	2,921.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,672.21	1/4	4,351.04	1/4	4,004.97	1/4	3,642.30	1/4	3,278.33	1/4	2,914.35
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,665.75	1/2	4,344.12	1/2	3,997.55	1/2	3,634.72	1/2	3,270.74	1/2	2,906.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,659.25	3/4	4,337.12	3/4	3,990.09	3/4	3,627.13	3/4	3,263.16	3/4	2,899.19
8		8		8		8		8	4,652.75	8	4,330.12	8	3,982.63	8	3,619.55	8	3,255.58	8	2,891.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,646.25	1/4	4,323.12	1/4	3,975.17	1/4	3,611.97	1/4	3,247.99	1/4	2,884.02
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,639.75	1/2	4,316.12	1/2	3,967.72	1/2	3,604.39	1/2	3,240.41	1/2	2,876.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,633.21	3/4	4,309.07	3/4	3,960.22	3/4	3,596.80	3/4	3,232.83	3/4	2,868.85
9		9		9		9		9	4,626.67	9	4,302.01	9	3,952.73	9	3,589.22	9	3,225.25	9	2,861.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,620.14	1/4	4,294.95	1/4	3,945.23	1/4	3,581.64	1/4	3,217.66	1/4	2,853.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,613.60	1/2	4,287.89	1/2	3,937.74	1/2	3,574.05	1/2	3,210.08	1/2	2,846.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,607.03	3/4	4,280.80	3/4	3,930.21	3/4	3,566.47	3/4	3,202.50	3/4	2,838.52
10		10		10		10		10	4,600.45	10	4,273.70	10	3,922.68	10	3,558.89	10	3,194.91	10	2,830.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,593.88	1/4	4,266.61	1/4	3,915.14	1/4	3,551.31	1/4	3,187.33	1/4	2,823.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,587.30	1/2	4,259.51	1/2	3,907.61	1/2	3,543.72	1/2	3,179.75	1/2	2,815.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,580.69	3/4	4,252.38	3/4	3,900.05	3/4	3,536.14	3/4	3,172.17	3/4	2,808.19
11		11		11		11		11	4,574.08	11	4,245.25	11	3,892.49	11	3,528.56	11	3,164.58	11	2,800.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,567.47	1/4	4,238.11	1/4	3,884.92	1/4	3,520.97	1/4	3,157.00	1/4	2,793.03
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,560.86	1/2	4,230.98	1/2	3,877.36	1/2	3,513.39	1/2	3,149.42	1/2	2,785.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,554.21	3/4	4,223.81	3/4	3,869.78	3/4	3,505.81	3/4	3,141.83	3/4	2,777.86

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 28077"

## 2 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,406.30	0	2,042.33	0	1,678.34	0	1,318.24	0	955.25	0	591.35	0	227.33	0		0		0	
1/4	2,398.72	1/4	2,034.74	1/4	1,670.76	1/4	1,310.65	1/4	947.70	1/4	583.76	1/4	219.74	1/4	1/4	1/4		1/4	
1/2	2,391.14	1/2	2,027.16	1/2	1,663.18	1/2	1,303.07	1/2	940.14	1/2	576.18	1/2	212.16	1/2	1/2	1/2		1/2	
3/4	2,383.55	3/4	2,019.58	3/4	1,655.59	3/4	1,295.49	3/4	932.57	3/4	568.60	3/4	204.58	3/4	3/4	3/4		3/4	
1	2,375.97	1	2,011.99	1	1,648.01	1	1,287.90	1	925.00	1	561.01	1	197.00	1		1		1	
1/4	2,368.39	1/4	2,004.41	1/4	1,640.43	1/4	1,280.32	1/4	917.43	1/4	553.43	1/4	189.42	1/4	1/4	1/4		1/4	
1/2	2,360.81	1/2	1,996.83	1/2	1,632.84	1/2	1,272.74	1/2	909.86	1/2	545.85	1/2	181.84	1/2	1/2	1/2		1/2	
3/4	2,353.22	3/4	1,989.24	3/4	1,625.26	3/4	1,265.15	3/4	902.27	3/4	538.26	3/4	174.26	3/4	3/4	3/4		3/4	
2	2,345.64	2	1,981.66	2	1,617.68	2	1,257.57	2	894.69	2	530.68	2	166.69	2		2		2	
1/4	2,338.06	1/4	1,974.08	1/4	1,610.09	1/4	1,249.98	1/4	887.11	1/4	523.09	1/4	159.11	1/4	1/4	1/4		1/4	
1/2	2,330.48	1/2	1,966.50	1/2	1,602.51	1/2	1,242.40	1/2	879.52	1/2	515.51	1/2	151.54	1/2	1/2	1/2		1/2	
3/4	2,322.89	3/4	1,958.91	3/4	1,594.93	3/4	1,234.83	3/4	871.94	3/4	507.93	3/4	143.98	3/4	3/4	3/4		3/4	
3	2,315.31	3	1,951.33	3	1,587.35	3	1,227.26	3	864.36	3	500.34	3	136.41	3		3		3	
1/4	2,307.73	1/4	1,943.75	1/4	1,579.76	1/4	1,219.69	1/4	856.77	1/4	492.76	1/4	128.85	1/4	1/4	1/4		1/4	
1/2	2,300.14	1/2	1,936.16	1/2	1,572.18	1/2	1,212.12	1/2	849.19	1/2	485.18	1/2	121.29	1/2	1/2	1/2		1/2	
3/4	2,292.56	3/4	1,928.58	3/4	1,564.68	3/4	1,204.56	3/4	841.61	3/4	477.59	3/4	113.75	3/4	3/4	3/4		3/4	
4	2,284.98	4	1,921.00	4	1,557.18	4	1,197.00	4	834.02	4	470.01	4	106.21	4		4		4	
1/4	2,277.40	1/4	1,913.41	1/4	1,549.67	1/4	1,189.45	1/4	826.44	1/4	462.42	1/4	98.66	1/4	1/4	1/4		1/4	
1/2	2,269.81	1/2	1,905.83	1/2	1,542.17	1/2	1,181.89	1/2	818.86	1/2	454.84	1/2	91.12	1/2	1/2	1/2		1/2	
3/4	2,262.23	3/4	1,898.25	3/4	1,534.75	3/4	1,174.34	3/4	811.27	3/4	447.26	3/4	83.61	3/4	3/4	3/4		3/4	
5	2,254.65	5	1,890.67	5	1,527.33	5	1,166.78	5	803.69	5	439.67	5	76.10	5		5		5	
1/4	2,247.06	1/4	1,883.08	1/4	1,519.91	1/4	1,159.23	1/4	796.11	1/4	432.09	1/4	68.59	1/4	1/4	1/4		1/4	
1/2	2,239.48	1/2	1,875.50	1/2	1,512.49	1/2	1,151.67	1/2	788.52	1/2	424.50	1/2	61.08	1/2	1/2	1/2		1/2	
3/4	2,231.90	3/4	1,867.92	3/4	1,505.07	3/4	1,144.12	3/4	780.94	3/4	416.92	3/4	54.18	3/4	3/4	3/4		3/4	
6	2,224.32	6	1,860.33	6	1,497.65	6	1,136.57	6	773.36	6	409.34	6	47.28	6		6		6	
1/4	2,216.73	1/4	1,852.75	1/4	1,490.23	1/4	1,129.01	1/4	765.77	1/4	401.75	1/4	40.38	1/4	1/4	1/4		1/4	
1/2	2,209.15	1/2	1,845.17	1/2	1,482.80	1/2	1,121.46	1/2	758.19	1/2	394.17	1/2	33.48	1/2	1/2	1/2		1/2	
3/4	2,201.57	3/4	1,837.58	3/4	1,475.38	3/4	1,113.90	3/4	750.61	3/4	386.59	3/4	28.42	3/4	3/4	3/4		3/4	
7	2,193.98	7	1,830.00	7	1,467.96	7	1,106.35	7	743.02	7	379.00	7	23.37	7		7		7	
1/4	2,186.40	1/4	1,822.42	1/4	1,460.54	1/4	1,098.79	1/4	735.44	1/4	371.42	1/4	18.32	1/4	1/4	1/4		1/4	
1/2	2,178.82	1/2	1,814.84	1/2	1,453.12	1/2	1,091.24	1/2	727.86	1/2	363.83	1/2	13.26	1/2	1/2	1/2		1/2	
3/4	2,171.24	3/4	1,807.25	3/4	1,445.70	3/4	1,083.68	3/4	720.27	3/4	356.25	3/4		3/4	3/4	3/4		3/4	
8	2,163.65	8	1,799.67	8	1,438.28	8	1,076.13	8	712.69	8	348.67	8		8		8		8	
1/4	2,156.07	1/4	1,792.09	1/4	1,430.86	1/4	1,068.57	1/4	705.11	1/4	341.08	1/4		1/4	1/4	1/4		1/4	
1/2	2,148.49	1/2	1,784.50	1/2	1,423.44	1/2	1,061.02	1/2	697.52	1/2	333.50	1/2		1/2	1/2	1/2		1/2	
3/4	2,140.91	3/4	1,776.92	3/4	1,416.02	3/4	1,053.47	3/4	689.94	3/4	325.92	3/4		3/4	3/4	3/4		3/4	
9	2,133.32	9	1,769.34	9	1,408.59	9	1,045.91	9	682.35	9	318.33	9		9		9		9	
1/4	2,125.74	1/4	1,761.75	1/4	1,401.17	1/4	1,038.36	1/4	674.77	1/4	310.75	1/4		1/4	1/4	1/4		1/4	
1/2	2,118.16	1/2	1,754.17	1/2	1,393.75	1/2	1,030.80	1/2	667.19	1/2	303.16	1/2		1/2	1/2	1/2		1/2	
3/4	2,110.57	3/4	1,746.59	3/4	1,386.25	3/4	1,023.25	3/4	659.60	3/4	295.58	3/4		3/4	3/4	3/4		3/4	
10	2,102.99	10	1,739.01	10	1,378.75	10	1,015.69	10	652.02	10	288.00	10		10		10		10	
1/4	2,095.41	1/4	1,731.42	1/4	1,371.24	1/4	1,008.14	1/4	644.43	1/4	280.41	1/4		1/4	1/4	1/4		1/4	
1/2	2,087.83	1/2	1,723.84	1/2	1,363.74	1/2	1,000.58	1/2	636.85	1/2	272.83	1/2		1/2	1/2	1/2		1/2	
3/4	2,080.24	3/4	1,716.26	3/4	1,356.16	3/4	993.03	3/4	629.27	3/4	265.24	3/4		3/4	3/4	3/4		3/4	
11	2,072.66	11	1,708.67	11	1,348.57	11	985.48	11	621.68	11	257.66	11		11		11		11	
1/4	2,065.08	1/4	1,701.09	1/4	1,340.99	1/4	977.92	1/4	614.10	1/4	250.08	1/4		1/4	1/4	1/4		1/4	
1/2	2,057.49	1/2	1,693.51	1/2	1,333.41	1/2	970.37	1/2	606.52	1/2	242.49	1/2		1/2	1/2	1/2		1/2	
3/4	2,049.91	3/4	1,685.92	3/4	1,325.82	3/4	962.81	3/4	598.93	3/4	234.91	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/27/2006 CL - SW  
CALCULATED: 06/29/2006 CL  
PRINTED: 06/29/2006 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2006

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



# BARGE "KIRBY 28077"

## 3 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 5/8"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		1/8	4,466.57	0	4,214.00	0	3,952.70	0	3,677.53	0	3,395.80	0	3,033.45	0	2,669.40		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,464.20	1/4	4,208.70	1/4	3,947.08	1/4	3,671.69	1/4	3,389.08	1/4	3,025.87	1/4	2,661.81		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,459.46	1/2	4,203.40	1/2	3,941.46	1/2	3,665.85	1/2	3,382.35	1/2	3,018.28	1/2	2,654.23		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,454.57	3/4	4,198.09	3/4	3,935.83	3/4	3,660.01	3/4	3,375.19	3/4	3,010.70	3/4	2,646.64		
1		1		1		1	4,449.53	1	4,192.78	1	3,930.19	1	3,654.17	1	3,367.58	1	3,003.11	1	2,639.06		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,444.48	1/4	4,187.46	1/4	3,924.55	1/4	3,648.32	1/4	3,359.98	1/4	2,995.53	1/4	2,631.47		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,439.44	1/2	4,182.15	1/2	3,918.91	1/2	3,642.48	1/2	3,352.38	1/2	2,987.94	1/2	2,623.89		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,434.07	3/4	4,176.82	3/4	3,913.26	3/4	3,636.64	3/4	3,344.77	3/4	2,980.36	3/4	2,616.30		
2		2		2		2	4,428.40	2	4,171.48	2	3,907.60	2	3,630.80	2	3,337.17	2	2,972.78	2	2,608.72		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,422.72	1/4	4,166.15	1/4	3,901.94	1/4	3,624.96	1/4	3,329.56	1/4	2,965.19	1/4	2,601.14		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,417.04	1/2	4,160.81	1/2	3,896.28	1/2	3,619.11	1/2	3,321.96	1/2	2,957.61	1/2	2,593.55		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,411.32	3/4	4,155.47	3/4	3,890.61	3/4	3,613.27	3/4	3,314.35	3/4	2,950.02	3/4	2,585.97		
3		3		3		3	4,405.56	3	4,150.11	3	3,884.93	3	3,607.43	3	3,306.75	3	2,942.44	3	2,578.38		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,399.81	1/4	4,144.76	1/4	3,879.26	1/4	3,601.59	1/4	3,299.14	1/4	2,934.85	1/4	2,570.80		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,394.05	1/2	4,139.40	1/2	3,873.58	1/2	3,595.75	1/2	3,291.54	1/2	2,927.27	1/2	2,563.21		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,388.37	3/4	4,134.04	3/4	3,867.89	3/4	3,589.91	3/4	3,283.93	3/4	2,919.68	3/4	2,555.63		
4		4		4		4	4,382.76	4	4,128.66	4	3,862.20	4	3,584.06	4	3,276.33	4	2,912.10	4	2,548.04		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,377.15	1/4	4,123.29	1/4	3,856.50	1/4	3,578.22	1/4	3,268.73	1/4	2,904.52	1/4	2,540.46		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,371.54	1/2	4,117.91	1/2	3,850.80	1/2	3,572.38	1/2	3,261.12	1/2	2,896.93	1/2	2,532.87		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,366.08	3/4	4,112.53	3/4	3,845.10	3/4	3,566.54	3/4	3,253.52	3/4	2,889.35	3/4	2,525.29		
5		5		5		5	4,360.77	5	4,107.13	5	3,839.38	5	3,560.70	5	3,245.91	5	2,881.76	5	2,517.71		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,355.45	1/4	4,101.74	1/4	3,833.67	1/4	3,554.85	1/4	3,238.31	1/4	2,874.18	1/4	2,510.12		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,350.14	1/2	4,096.34	1/2	3,827.96	1/2	3,549.01	1/2	3,230.70	1/2	2,866.59	1/2	2,502.54		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,344.89	3/4	4,090.94	3/4	3,822.23	3/4	3,543.17	3/4	3,223.10	3/4	2,859.01	3/4	2,494.95		
6		6		6		6	4,339.71	6	4,085.52	6	3,816.50	6	3,537.33	6	3,215.51	6	2,851.42	6	2,487.37		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,334.53	1/4	4,080.10	1/4	3,810.76	1/4	3,531.49	1/4	3,207.91	1/4	2,843.84	1/4	2,479.78		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,329.35	1/2	4,074.69	1/2	3,805.03	1/2	3,525.64	1/2	3,200.32	1/2	2,836.25	1/2	2,472.20		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,324.16	3/4	4,069.25	3/4	3,799.28	3/4	3,519.80	3/4	3,192.73	3/4	2,828.67	3/4	2,464.61		
7		7		7		7	4,318.96	7	4,063.80	7	3,793.53	7	3,513.96	7	3,185.14	7	2,821.09	7	2,457.03		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,313.76	1/4	4,058.34	1/4	3,787.77	1/4	3,508.12	1/4	3,177.56	1/4	2,813.50	1/4	2,449.45		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,308.56	1/2	4,052.88	1/2	3,782.02	1/2	3,502.28	1/2	3,169.97	1/2	2,805.92	1/2	2,441.86		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,303.35	3/4	4,047.40	3/4	3,776.25	3/4	3,496.43	3/4	3,162.39	3/4	2,798.33	3/4	2,434.28		
8		8		8		8	4,298.13	8	4,041.88	8	3,770.48	8	3,490.59	8	3,154.80	8	2,790.75	8	2,426.69		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,292.90	1/4	4,036.36	1/4	3,764.71	1/4	3,484.75	1/4	3,147.22	1/4	2,783.16	1/4	2,419.11		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,287.68	1/2	4,030.84	1/2	3,758.93	1/2	3,478.91	1/2	3,139.63	1/2	2,775.58	1/2	2,411.52		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,282.45	3/4	4,025.30	3/4	3,753.15	3/4	3,473.07	3/4	3,132.05	3/4	2,767.99	3/4	2,403.94		
9		9		9		9	4,277.21	9	4,019.74	9	3,747.35	9	3,467.23	9	3,124.47	9	2,760.41	9	2,396.35		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,271.97	1/4	4,014.18	1/4	3,741.56	1/4	3,461.38	1/4	3,116.88	1/4	2,752.83	1/4	2,388.77		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,266.73	1/2	4,008.62	1/2	3,735.76	1/2	3,455.54	1/2	3,109.30	1/2	2,745.24	1/2	2,381.18		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,261.48	3/4	4,003.05	3/4	3,729.96	3/4	3,449.70	3/4	3,101.71	3/4	2,737.66	3/4	2,373.60		
10		10		10		10	4,256.22	10	3,997.47	10	3,724.15	10	3,443.86	10	3,094.13	10	2,730.07	10	2,366.02		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,250.96	1/4	3,991.89	1/4	3,718.33	1/4	3,438.02	1/4	3,086.54	1/4	2,722.49	1/4	2,358.43		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,245.70	1/2	3,986.31	1/2	3,712.52	1/2	3,432.17	1/2	3,078.96	1/2	2,714.90	1/2	2,350.85		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,240.43	3/4	3,980.72	3/4	3,706.69	3/4	3,426.33	3/4	3,071.37	3/4	2,707.32	3/4	2,343.26		
11		11		11		11	4,235.15	11	3,975.13	11	3,700.86	11	3,420.49	11	3,063.79	11	2,699.73	11	2,335.68		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,229.87	1/4	3,969.53	1/4	3,695.03	1/4	3,414.65	1/4	3,056.21	1/4	2,692.15	1/4	2,328.09		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,224.59	1/2	3,963.93	1/2	3,689.20	1/2	3,408.81	1/2	3,048.62	1/2	2,684.56	1/2	2,320.51		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,219.30	3/4	3,958.32	3/4	3,683.37	3/4	3,402.52	3/4	3,041.04	3/4	2,676.98	3/4	2,312.92		

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 28077"

## 3 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 5/8"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,305.34	0	1,941.28	0	1,577.30	0	1,217.77	0	862.93	0	505.68	0	141.09	0		0		0	
1/4	2,297.76	1/4	1,933.70	1/4	1,569.74	1/4	1,210.20	1/4	855.56	1/4	498.07	1/4	133.80	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,290.17	1/2	1,926.11	1/2	1,562.18	1/2	1,202.63	1/2	848.20	1/2	490.47	1/2	126.51	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,282.59	3/4	1,918.53	3/4	1,554.61	3/4	1,195.06	3/4	840.82	3/4	482.86	3/4	119.70	3/4	3/4	3/4	3/4	3/4	3/4
1	2,275.00	1	1,910.94	1	1,547.05	1	1,187.49	1	833.44	1	475.26	1	113.37	1		1		1	
1/4	2,267.42	1/4	1,903.36	1/4	1,539.49	1/4	1,179.92	1/4	826.06	1/4	467.65	1/4	107.03	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,259.83	1/2	1,895.77	1/2	1,531.93	1/2	1,172.35	1/2	818.68	1/2	460.05	1/2	100.69	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,252.25	3/4	1,888.19	3/4	1,524.37	3/4	1,164.83	3/4	811.29	3/4	452.44	3/4	94.99	3/4	3/4	3/4	3/4	3/4	3/4
2	2,244.66	2	1,880.60	2	1,516.81	2	1,157.37	2	803.89	2	444.84	2	89.93	2		2		2	
1/4	2,237.08	1/4	1,873.02	1/4	1,509.25	1/4	1,149.91	1/4	796.50	1/4	437.23	1/4	84.86	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,229.49	1/2	1,865.43	1/2	1,501.69	1/2	1,142.44	1/2	789.10	1/2	429.63	1/2	79.80	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,221.91	3/4	1,857.85	3/4	1,494.13	3/4	1,135.03	3/4	781.71	3/4	422.02	3/4	75.38	3/4	3/4	3/4	3/4	3/4	3/4
3	2,214.33	3	1,850.27	3	1,486.56	3	1,127.68	3	774.31	3	414.41	3	71.59	3		3		3	
1/4	2,206.74	1/4	1,842.68	1/4	1,479.00	1/4	1,120.32	1/4	766.92	1/4	406.81	1/4	67.81	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,199.16	1/2	1,835.10	1/2	1,471.44	1/2	1,112.97	1/2	759.52	1/2	399.20	1/2	64.02	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,191.57	3/4	1,827.51	3/4	1,463.92	3/4	1,105.61	3/4	752.13	3/4	391.60	3/4	60.88	3/4	3/4	3/4	3/4	3/4	3/4
4	2,183.99	4	1,819.93	4	1,456.44	4	1,098.27	4	744.74	4	383.99	4	58.38	4		4		4	
1/4	2,176.40	1/4	1,812.34	1/4	1,448.96	1/4	1,090.92	1/4	737.34	1/4	376.39	1/4	55.88	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,168.82	1/2	1,804.76	1/2	1,441.48	1/2	1,083.57	1/2	729.95	1/2	368.78	1/2	53.38	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,161.23	3/4	1,797.17	3/4	1,434.03	3/4	1,076.22	3/4	722.55	3/4	361.18	3/4	51.53	3/4	3/4	3/4	3/4	3/4	3/4
5	2,153.65	5	1,789.59	5	1,426.62	5	1,068.87	5	715.16	5	353.57	5	50.33	5		5		5	
1/4	2,146.07	1/4	1,782.00	1/4	1,419.21	1/4	1,061.52	1/4	707.76	1/4	345.96	1/4	49.13	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,138.48	1/2	1,774.42	1/2	1,411.80	1/2	1,054.18	1/2	700.37	1/2	338.36	1/2	47.93	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,130.90	3/4	1,766.83	3/4	1,404.38	3/4	1,046.83	3/4	692.97	3/4	330.75	3/4	47.33	3/4	3/4	3/4	3/4	3/4	3/4
6	2,123.31	6	1,759.25	6	1,396.96	6	1,039.48	6	685.58	6	323.15	6		6		6		6	
1/4	2,115.73	1/4	1,751.66	1/4	1,389.54	1/4	1,032.13	1/4	678.18	1/4	315.54	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,108.14	1/2	1,744.08	1/2	1,382.11	1/2	1,024.79	1/2	670.79	1/2	307.94	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,100.56	3/4	1,736.50	3/4	1,374.69	3/4	1,017.44	3/4	663.40	3/4	300.33	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	2,092.97	7	1,728.91	7	1,367.27	7	1,010.09	7	656.00	7	292.73	7		7		7		7	
1/4	2,085.39	1/4	1,721.33	1/4	1,359.84	1/4	1,002.74	1/4	648.61	1/4	285.12	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,077.80	1/2	1,713.74	1/2	1,352.42	1/2	995.40	1/2	641.21	1/2	277.52	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,070.22	3/4	1,706.16	3/4	1,345.00	3/4	988.05	3/4	633.82	3/4	269.91	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	2,062.64	8	1,698.57	8	1,337.57	8	980.70	8	626.42	8	262.30	8		8		8		8	
1/4	2,055.05	1/4	1,690.99	1/4	1,330.15	1/4	973.35	1/4	619.03	1/4	254.70	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,047.47	1/2	1,683.40	1/2	1,322.73	1/2	966.01	1/2	611.63	1/2	247.09	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,039.88	3/4	1,675.82	3/4	1,315.31	3/4	958.66	3/4	604.19	3/4	239.49	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,032.30	9	1,668.23	9	1,307.89	9	951.30	9	596.69	9	231.88	9		9		9		9	
1/4	2,024.71	1/4	1,660.65	1/4	1,300.47	1/4	943.94	1/4	589.19	1/4	224.28	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,017.13	1/2	1,653.06	1/2	1,293.06	1/2	936.59	1/2	581.69	1/2	216.67	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,009.54	3/4	1,645.48	3/4	1,285.61	3/4	929.22	3/4	574.13	3/4	209.07	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,001.96	10	1,637.89	10	1,278.12	10	921.86	10	566.52	10	201.46	10		10		10		10	
1/4	1,994.38	1/4	1,630.31	1/4	1,270.63	1/4	914.49	1/4	558.92	1/4	193.85	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,986.79	1/2	1,622.72	1/2	1,263.14	1/2	907.13	1/2	551.31	1/2	186.25	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,979.21	3/4	1,615.15	3/4	1,255.61	3/4	899.76	3/4	543.71	3/4	178.64	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,971.62	11	1,607.57	11	1,248.04	11	892.40	11	536.10	11	171.04	11		11		11		11	
1/4	1,964.04	1/4	1,600.00	1/4	1,240.48	1/4	885.03	1/4	528.50	1/4	163.43	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,956.45	1/2	1,592.43	1/2	1,232.91	1/2	877.67	1/2	520.89	1/2	155.83	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,948.87	3/4	1,584.86	3/4	1,225.34	3/4	870.30	3/4	513.29	3/4	148.38	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/27/2006 CL - SW  
CALCULATED: 06/29/2006 CL  
PRINTED: 06/29/2006 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2006

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "KIRBY 28077"

## 3 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-06"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	4,498.95	0	4,244.86	0	3,984.03	0	3,709.19	0	3,428.79	0	3,067.29	0	2,702.27		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,494.21	1/4	4,239.56	1/4	3,978.42	1/4	3,703.35	1/4	3,422.07	1/4	3,059.69	1/4	2,694.67		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,489.47	1/2	4,234.26	1/2	3,972.80	1/2	3,697.52	1/2	3,415.34	1/2	3,052.08	1/2	2,687.06		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,484.74	3/4	4,228.96	3/4	3,967.18	3/4	3,691.68	3/4	3,408.61	3/4	3,048.48	3/4	2,679.46		
1		1		1		1	4,480.00	1	4,223.66	1	3,961.56	1	3,685.84	1	3,401.89	1	3,036.87	1	2,671.86		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,474.96	1/4	4,218.34	1/4	3,955.92	1/4	3,680.00	1/4	3,394.28	1/4	3,029.27	1/4	2,664.25		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,469.91	1/2	4,213.03	1/2	3,950.28	1/2	3,674.15	1/2	3,386.68	1/2	3,021.66	1/2	2,656.65		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,464.87	3/4	4,207.71	3/4	3,944.64	3/4	3,668.31	3/4	3,379.07	3/4	3,014.06	3/4	2,649.04		
2		2		2		2	4,459.82	2	4,202.40	2	3,939.00	2	3,662.47	2	3,371.47	2	3,006.45	2	2,641.44		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,454.14	1/4	4,197.06	1/4	3,933.34	1/4	3,656.63	1/4	3,363.87	1/4	2,998.85	1/4	2,633.83		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,448.46	1/2	4,191.72	1/2	3,927.68	1/2	3,650.79	1/2	3,356.26	1/2	2,991.24	1/2	2,626.23		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,442.79	3/4	4,186.39	3/4	3,922.02	3/4	3,644.94	3/4	3,348.66	3/4	2,983.64	3/4	2,618.62		
3		3		3		3	4,437.11	3	4,181.05	3	3,916.36	3	3,639.10	3	3,341.05	3	2,976.04	3	2,611.02		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,431.35	1/4	4,175.70	1/4	3,910.68	1/4	3,633.26	1/4	3,333.45	1/4	2,968.43	1/4	2,603.42		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,425.59	1/2	4,170.34	1/2	3,905.00	1/2	3,627.42	1/2	3,325.84	1/2	2,960.83	1/2	2,595.81		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,419.84	3/4	4,164.99	3/4	3,899.33	3/4	3,621.58	3/4	3,318.24	3/4	2,953.22	3/4	2,588.21		
4		4		4		4	4,414.08	4	4,159.63	4	3,893.65	4	3,615.73	4	3,310.63	4	2,945.62	4	2,580.60		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,408.47	1/4	4,154.26	1/4	3,887.95	1/4	3,609.89	1/4	3,303.03	1/4	2,938.01	1/4	2,573.00		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,402.86	1/2	4,148.88	1/2	3,882.26	1/2	3,604.05	1/2	3,295.42	1/2	2,930.41	1/2	2,565.39		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,397.25	3/4	4,143.51	3/4	3,876.56	3/4	3,598.21	3/4	3,287.82	3/4	2,922.80	3/4	2,557.79		
5		5		5		5	4,391.65	5	4,138.13	5	3,870.86	5	3,592.37	5	3,280.22	5	2,915.20	5	2,550.18		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,386.33	1/4	4,132.74	1/4	3,865.15	1/4	3,586.52	1/4	3,272.61	1/4	2,907.60	1/4	2,542.58		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,381.02	1/2	4,127.34	1/2	3,859.43	1/2	3,580.68	1/2	3,265.01	1/2	2,899.99	1/2	2,534.97		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,375.70	3/4	4,121.95	3/4	3,853.72	3/4	3,574.84	3/4	3,257.40	3/4	2,892.39	3/4	2,527.37		
6		6		6		6	4,370.39	6	4,116.55	6	3,848.01	6	3,569.00	6	3,249.80	6	2,884.78	6	2,519.77		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,365.21	1/4	4,111.14	1/4	3,842.27	1/4	3,563.16	1/4	3,242.19	1/4	2,877.18	1/4	2,512.16		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,360.03	1/2	4,105.72	1/2	3,836.54	1/2	3,557.32	1/2	3,234.59	1/2	2,869.57	1/2	2,504.56		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,354.85	3/4	4,100.31	3/4	3,830.80	3/4	3,551.47	3/4	3,226.98	3/4	2,861.97	3/4	2,496.95		
7		7		7		7	4,349.67	7	4,094.89	7	3,825.07	7	3,545.63	7	3,219.38	7	2,854.36	7	2,489.35		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,344.47	1/4	4,089.43	1/4	3,819.31	1/4	3,539.79	1/4	3,211.78	1/4	2,846.76	1/4	2,481.74		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,339.26	1/2	4,083.98	1/2	3,813.56	1/2	3,533.95	1/2	3,204.17	1/2	2,839.15	1/2	2,474.14		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,334.06	3/4	4,078.52	3/4	3,807.80	3/4	3,528.11	3/4	3,196.57	3/4	2,831.55	3/4	2,466.53		
8		8		8		8	4,328.86	8	4,073.07	8	3,802.05	8	3,522.26	8	3,188.96	8	2,823.95	8	2,458.93		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,323.64	1/4	4,067.55	1/4	3,796.28	1/4	3,516.42	1/4	3,181.36	1/4	2,816.34	1/4	2,451.33		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,318.42	1/2	4,062.03	1/2	3,790.50	1/2	3,510.58	1/2	3,173.75	1/2	2,808.74	1/2	2,443.72		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,313.20	3/4	4,056.51	3/4	3,784.73	3/4	3,504.74	3/4	3,166.15	3/4	2,801.13	3/4	2,436.12		
9		9		9		9	4,307.98	9	4,050.99	9	3,778.95	9	3,498.90	9	3,158.54	9	2,793.53	9	2,428.51		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,302.74	1/4	4,045.43	1/4	3,773.16	1/4	3,493.05	1/4	3,150.94	1/4	2,785.92	1/4	2,420.91		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,297.50	1/2	4,039.87	1/2	3,767.36	1/2	3,487.21	1/2	3,143.33	1/2	2,778.32	1/2	2,413.30		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,292.26	3/4	4,034.31	3/4	3,761.57	3/4	3,481.37	3/4	3,135.73	3/4	2,770.71	3/4	2,405.70		
10		10		10		10	4,287.02	10	4,028.75	10	3,755.78	10	3,475.53	10	3,128.13	10	2,763.11	10	2,398.09		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,281.76	1/4	4,023.17	1/4	3,749.96	1/4	3,469.69	1/4	3,120.52	1/4	2,755.51	1/4	2,390.49		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,276.50	1/2	4,017.59	1/2	3,744.15	1/2	3,463.84	1/2	3,112.92	1/2	2,747.90	1/2	2,382.88		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,271.24	3/4	4,012.01	3/4	3,738.33	3/4	3,458.00	3/4	3,105.31	3/4	2,740.30	3/4	2,375.28		
11		11		11		11	4,265.98	11	4,006.43	11	3,732.52	11	3,452.16	11	3,097.71	11	2,732.69	11	2,367.68		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,260.70	1/4	4,000.83	1/4	3,726.69	1/4	3,446.32	1/4	3,090.10	1/4	2,725.09	1/4	2,360.07		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,255.42	1/2	3,995.23	1/2	3,720.86	1/2	3,440.48	1/2	3,082.50	1/2	2,717.48	1/2	2,352.47		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,250.14	3/4	3,989.63	3/4	3,715.02	3/4	3,434.64	3/4	3,074.89	3/4	2,709.88	3/4	2,344.86		

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 28077"

## 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	2,337.26	0	1,972.24	0	1,607.21	0	1,246.07	0	881.98	0	517.09	0	152.02	0		0		0	
1/4	2,329.65	1/4	1,964.64	1/4	1,599.61	1/4	1,238.46	1/4	874.41	1/4	509.48	1/4	144.74	1/4		1/4		1/4	
1/2	2,322.05	1/2	1,957.03	1/2	1,592.00	1/2	1,230.86	1/2	866.83	1/2	501.88	1/2	137.45	1/2		1/2		1/2	
3/4	2,314.44	3/4	1,949.42	3/4	1,584.40	3/4	1,223.25	3/4	859.25	3/4	494.27	3/4	130.16	3/4		3/4		3/4	
1	2,306.84	1	1,941.82	1	1,576.79	1	1,215.65	1	851.67	1	486.67	1	122.87	1		1		1	
1/4	2,299.24	1/4	1,934.21	1/4	1,569.19	1/4	1,208.04	1/4	844.08	1/4	479.06	1/4	116.53	1/4		1/4		1/4	
1/2	2,291.63	1/2	1,926.61	1/2	1,561.58	1/2	1,200.43	1/2	836.49	1/2	471.46	1/2	110.20	1/2		1/2		1/2	
3/4	2,284.03	3/4	1,919.00	3/4	1,553.98	3/4	1,192.83	3/4	828.90	3/4	463.85	3/4	103.86	3/4		3/4		3/4	
2	2,276.42	2	1,911.40	2	1,546.37	2	1,185.22	2	821.30	2	456.24	2	97.52	2		2		2	
1/4	2,268.82	1/4	1,903.79	1/4	1,538.77	1/4	1,177.62	1/4	813.70	1/4	448.64	1/4	92.46	1/4		1/4		1/4	
1/2	2,261.21	1/2	1,896.19	1/2	1,531.16	1/2	1,170.01	1/2	806.09	1/2	441.03	1/2	87.40	1/2		1/2		1/2	
3/4	2,253.61	3/4	1,888.58	3/4	1,523.56	3/4	1,162.41	3/4	798.49	3/4	433.43	3/4	82.33	3/4		3/4		3/4	
3	2,246.00	3	1,880.98	3	1,515.95	3	1,154.80	3	790.88	3	425.82	3	77.27	3		3		3	
1/4	2,238.40	1/4	1,873.37	1/4	1,508.35	1/4	1,147.21	1/4	783.28	1/4	418.22	1/4	73.48	1/4		1/4		1/4	
1/2	2,230.79	1/2	1,865.77	1/2	1,500.74	1/2	1,139.62	1/2	775.67	1/2	410.61	1/2	69.70	1/2		1/2		1/2	
3/4	2,223.19	3/4	1,858.17	3/4	1,493.14	3/4	1,132.02	3/4	768.07	3/4	403.01	3/4	65.91	3/4		3/4		3/4	
4	2,215.59	4	1,850.56	4	1,485.54	4	1,124.43	4	760.46	4	395.40	4	62.13	4		4		4	
1/4	2,207.98	1/4	1,842.96	1/4	1,478.01	1/4	1,116.85	1/4	752.86	1/4	387.79	1/4	59.63	1/4		1/4		1/4	
1/2	2,200.38	1/2	1,835.35	1/2	1,470.49	1/2	1,109.27	1/2	745.25	1/2	380.19	1/2	57.13	1/2		1/2		1/2	
3/4	2,192.77	3/4	1,827.75	3/4	1,462.96	3/4	1,101.70	3/4	737.65	3/4	372.58	3/4	54.63	3/4		3/4		3/4	
5	2,185.17	5	1,820.14	5	1,455.44	5	1,094.12	5	730.04	5	364.98	5	52.13	5		5		5	
1/4	2,177.56	1/4	1,812.54	1/4	1,448.00	1/4	1,086.54	1/4	722.44	1/4	357.37	1/4	50.93	1/4		1/4		1/4	
1/2	2,169.96	1/2	1,804.93	1/2	1,440.56	1/2	1,078.97	1/2	714.83	1/2	349.77	1/2	49.73	1/2		1/2		1/2	
3/4	2,162.35	3/4	1,797.33	3/4	1,433.11	3/4	1,071.39	3/4	707.23	3/4	342.16	3/4	48.53	3/4		3/4		3/4	
6	2,154.75	6	1,789.72	6	1,425.67	6	1,063.81	6	699.62	6	334.56	6	47.33	6		6		6	
1/4	2,147.15	1/4	1,782.12	1/4	1,418.23	1/4	1,056.24	1/4	692.02	1/4	326.95	1/4		1/4		1/4		1/4	
1/2	2,139.54	1/2	1,774.51	1/2	1,410.79	1/2	1,048.66	1/2	684.41	1/2	319.35	1/2		1/2		1/2		1/2	
3/4	2,131.94	3/4	1,766.91	3/4	1,403.34	3/4	1,041.08	3/4	676.80	3/4	311.74	3/4		3/4		3/4		3/4	
7	2,124.33	7	1,759.30	7	1,395.90	7	1,033.51	7	669.20	7	304.13	7		7		7		7	
1/4	2,116.73	1/4	1,751.70	1/4	1,388.46	1/4	1,025.93	1/4	661.59	1/4	296.53	1/4		1/4		1/4		1/4	
1/2	2,109.12	1/2	1,744.09	1/2	1,381.01	1/2	1,018.36	1/2	653.99	1/2	288.92	1/2		1/2		1/2		1/2	
3/4	2,101.52	3/4	1,736.49	3/4	1,373.57	3/4	1,010.78	3/4	646.38	3/4	281.32	3/4		3/4		3/4		3/4	
8	2,093.91	8	1,728.89	8	1,366.13	8	1,003.20	8	638.78	8	273.71	8		8		8		8	
1/4	2,086.31	1/4	1,721.28	1/4	1,358.69	1/4	995.63	1/4	631.17	1/4	266.11	1/4		1/4		1/4		1/4	
1/2	2,078.70	1/2	1,713.68	1/2	1,351.24	1/2	988.05	1/2	623.57	1/2	258.50	1/2		1/2		1/2		1/2	
3/4	2,071.10	3/4	1,706.07	3/4	1,343.80	3/4	980.48	3/4	615.96	3/4	250.90	3/4		3/4		3/4		3/4	
9	2,063.50	9	1,698.47	9	1,336.36	9	972.90	9	608.36	9	243.29	9		9		9		9	
1/4	2,055.89	1/4	1,690.86	1/4	1,328.92	1/4	965.32	1/4	600.75	1/4	235.68	1/4		1/4		1/4		1/4	
1/2	2,048.29	1/2	1,683.26	1/2	1,321.47	1/2	957.75	1/2	593.15	1/2	228.08	1/2		1/2		1/2		1/2	
3/4	2,040.68	3/4	1,675.65	3/4	1,314.03	3/4	950.17	3/4	585.54	3/4	220.47	3/4		3/4		3/4		3/4	
10	2,033.08	10	1,668.05	10	1,306.59	10	942.59	10	577.93	10	212.87	10		10		10		10	
1/4	2,025.47	1/4	1,660.44	1/4	1,299.06	1/4	935.02	1/4	570.33	1/4	205.26	1/4		1/4		1/4		1/4	
1/2	2,017.87	1/2	1,652.84	1/2	1,291.54	1/2	927.44	1/2	562.72	1/2	197.66	1/2		1/2		1/2		1/2	
3/4	2,010.26	3/4	1,645.23	3/4	1,284.01	3/4	919.87	3/4	555.12	3/4	190.05	3/4		3/4		3/4		3/4	
11	2,002.66	11	1,637.63	11	1,276.49	11	912.29	11	547.51	11	182.45	11		11		11		11	
1/4	1,995.06	1/4	1,630.02	1/4	1,268.88	1/4	904.71	1/4	539.90	1/4	174.84	1/4		1/4		1/4		1/4	
1/2	1,987.45	1/2	1,622.42	1/2	1,261.28	1/2	897.14	1/2	532.30	1/2	167.24	1/2		1/2		1/2		1/2	
3/4	1,979.85	3/4	1,614.82	3/4	1,253.67	3/4	889.56	3/4	524.69	3/4	159.63	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/27/2006 CL - SW  
CALCULATED: 06/29/2006 CL  
PRINTED: 06/29/2006 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2006

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