



# BARGE "KIRBY 28083"

## 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	01-7/8	- 01-7/8	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	02-5/8	- 02-5/8
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	02-5/8	- 02-5/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"  
 AFT DRAFT = 4'-00"  
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 PORT IS - 00-7/8"  
 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'-00"

August 31, 2006

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

<http://www.pmacorp.net>



# BARGE "KIRBY 28083"

## 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	4,513.83	0	4,181.57	0	3,825.55	0	3,459.54	0	3,093.52	0	2,727.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,832.31	1/4	4,507.14	1/4	4,174.36	1/4	3,817.93	1/4	3,451.91	1/4	3,085.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,826.67	1/2	4,500.46	1/2	4,167.15	1/2	3,810.31	1/2	3,444.29	1/2	3,078.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,821.04	3/4	4,493.78	3/4	4,159.94	3/4	3,802.68	3/4	3,436.66	3/4	3,070.64
1		1		1		1		1	4,814.21	1	4,487.06	1	4,152.69	1	3,795.06	1	3,429.04	1	3,063.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,807.39	1/4	4,480.34	1/4	4,145.45	1/4	3,787.43	1/4	3,421.41	1/4	3,055.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,800.56	1/2	4,473.63	1/2	4,138.20	1/2	3,779.81	1/2	3,413.79	1/2	3,047.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,793.74	3/4	4,466.91	3/4	4,130.95	3/4	3,772.18	3/4	3,406.16	3/4	3,040.14
2		2		2		2		2	4,786.28	2	4,460.16	2	4,123.67	2	3,764.55	2	3,398.54	2	3,032.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,778.82	1/4	4,453.41	1/4	4,116.38	1/4	3,756.93	1/4	3,390.91	1/4	3,024.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,771.35	1/2	4,446.66	1/2	4,109.10	1/2	3,749.30	1/2	3,383.28	1/2	3,017.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,763.89	3/4	4,439.91	3/4	4,101.82	3/4	3,741.68	3/4	3,375.66	3/4	3,009.64
3		3		3		3		3	4,756.35	3	4,433.12	3	4,094.50	3	3,734.05	3	3,368.03	3	3,002.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,748.81	1/4	4,426.33	1/4	4,087.18	1/4	3,726.43	1/4	3,360.41	1/4	2,994.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,741.27	1/2	4,419.54	1/2	4,079.86	1/2	3,718.80	1/2	3,352.78	1/2	2,986.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,733.73	3/4	4,412.75	3/4	4,072.54	3/4	3,711.18	3/4	3,345.16	3/4	2,979.14
4		4		4		4		4	4,726.47	4	4,405.92	4	4,065.19	4	3,703.55	4	3,337.53	4	2,971.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,719.21	1/4	4,399.10	1/4	4,057.83	1/4	3,695.93	1/4	3,329.91	1/4	2,963.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,711.95	1/2	4,392.27	1/2	4,050.48	1/2	3,688.30	1/2	3,322.28	1/2	2,956.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,704.68	3/4	4,385.45	3/4	4,043.13	3/4	3,680.68	3/4	3,314.66	3/4	2,948.64
5		5		5		5		5	4,697.97	5	4,378.58	5	4,035.74	5	3,673.05	5	3,307.03	5	2,941.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,691.26	1/4	4,371.72	1/4	4,028.36	1/4	3,665.42	1/4	3,299.41	1/4	2,933.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,684.55	1/2	4,364.86	1/2	4,020.97	1/2	3,657.80	1/2	3,291.78	1/2	2,925.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,677.83	3/4	4,357.99	3/4	4,013.58	3/4	3,650.17	3/4	3,284.15	3/4	2,918.14
6		6		6		6		6	4,671.37	6	4,351.09	6	4,006.16	6	3,642.55	6	3,276.53	6	2,910.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,664.91	1/4	4,344.19	1/4	3,998.73	1/4	3,634.92	1/4	3,268.90	1/4	2,902.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,658.45	1/2	4,337.29	1/2	3,991.31	1/2	3,627.30	1/2	3,261.28	1/2	2,895.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,651.99	3/4	4,330.39	3/4	3,983.88	3/4	3,619.67	3/4	3,253.65	3/4	2,887.63
7		7		7		7		7	4,645.49	7	4,323.43	7	3,976.42	7	3,612.05	7	3,246.03	7	2,880.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,638.99	1/4	4,316.47	1/4	3,968.96	1/4	3,604.42	1/4	3,238.40	1/4	2,872.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,632.49	1/2	4,309.51	1/2	3,961.50	1/2	3,596.80	1/2	3,230.78	1/2	2,864.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,625.99	3/4	4,302.55	3/4	3,954.04	3/4	3,589.17	3/4	3,223.15	3/4	2,857.13
8		8		8		8		8	4,619.45	8	4,295.51	8	3,946.54	8	3,581.55	8	3,215.53	8	2,849.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,612.92	1/4	4,288.47	1/4	3,939.04	1/4	3,573.92	1/4	3,207.90	1/4	2,841.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,606.38	1/2	4,281.44	1/2	3,931.54	1/2	3,566.29	1/2	3,200.28	1/2	2,834.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,599.84	3/4	4,274.40	3/4	3,924.04	3/4	3,558.67	3/4	3,192.65	3/4	2,826.63
9		9		9		9		9	4,593.27	9	4,267.30	9	3,916.50	9	3,551.04	9	3,185.02	9	2,819.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,586.70	1/4	4,260.20	1/4	3,908.97	1/4	3,543.42	1/4	3,177.40	1/4	2,811.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,580.12	1/2	4,253.10	1/2	3,901.43	1/2	3,535.79	1/2	3,169.77	1/2	2,803.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,573.55	3/4	4,246.01	3/4	3,893.89	3/4	3,528.17	3/4	3,162.15	3/4	2,796.13
10		10		10		10		10	4,566.94	10	4,238.87	10	3,886.32	10	3,520.54	10	3,154.52	10	2,788.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,560.33	1/4	4,231.74	1/4	3,878.74	1/4	3,512.92	1/4	3,146.90	1/4	2,780.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,553.72	1/2	4,224.60	1/2	3,871.17	1/2	3,505.29	1/2	3,139.27	1/2	2,773.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,547.10	3/4	4,217.47	3/4	3,863.60	3/4	3,497.67	3/4	3,131.65	3/4	2,765.63
11		11		11		11		11	4,540.46	11	4,210.30	11	3,855.99	11	3,490.04	11	3,124.02	11	2,758.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,533.81	1/4	4,203.12	1/4	3,848.39	1/4	3,482.41	1/4	3,116.40	1/4	2,750.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,527.16	1/2	4,195.95	1/2	3,840.78	1/2	3,474.79	1/2	3,108.77	1/2	2,742.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,520.51	3/4	4,188.78	3/4	3,833.17	3/4	3,467.16	3/4	3,101.14	3/4	2,735.13

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.

P.O. Box 2092

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# BARGE "KIRBY 28083"

## 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	
0	2,361.48	0	1,995.46	0	1,629.43	0	1,264.05	0	900.13	0	534.47	0	188.07	0		0		0			
1/4	2,353.86	1/4	1,987.84	1/4	1,621.81	1/4	1,256.43	1/4	892.56	1/4	526.84	1/4	181.38	1/4		1/4		1/4			
1/2	2,346.23	1/2	1,980.21	1/2	1,614.18	1/2	1,248.80	1/2	884.99	1/2	519.21	1/2	174.68	1/2		1/2		1/2			
3/4	2,338.60	3/4	1,972.59	3/4	1,606.55	3/4	1,241.17	3/4	877.42	3/4	511.59	3/4	167.99	3/4		3/4		3/4			
1	2,330.98	1	1,964.96	1	1,598.93	1	1,233.55	1	869.83	1	503.98	1	161.38	1		1		1			
1/4	2,323.35	1/4	1,957.34	1/4	1,591.30	1/4	1,225.92	1/4	862.25	1/4	496.38	1/4	154.78	1/4		1/4		1/4			
1/2	2,315.73	1/2	1,949.71	1/2	1,583.68	1/2	1,218.29	1/2	854.66	1/2	488.77	1/2	148.17	1/2		1/2		1/2			
3/4	2,308.10	3/4	1,942.09	3/4	1,576.05	3/4	1,210.67	3/4	847.08	3/4	481.17	3/4	141.56	3/4		3/4		3/4			
2	2,300.48	2	1,934.46	2	1,568.43	2	1,203.06	2	839.47	2	473.63	2	135.05	2		2		2			
1/4	2,292.85	1/4	1,926.83	1/4	1,560.80	1/4	1,195.44	1/4	831.86	1/4	466.08	1/4	128.53	1/4		1/4		1/4			
1/2	2,285.23	1/2	1,919.21	1/2	1,553.17	1/2	1,187.83	1/2	824.25	1/2	458.54	1/2	122.02	1/2		1/2		1/2			
3/4	2,277.60	3/4	1,911.58	3/4	1,545.55	3/4	1,180.22	3/4	816.63	3/4	451.00	3/4	115.50	3/4		3/4		3/4			
3	2,269.98	3	1,903.96	3	1,537.92	3	1,172.64	3	809.01	3	443.54	3	109.09	3		3		3			
1/4	2,262.35	1/4	1,896.33	1/4	1,530.30	1/4	1,165.05	1/4	801.38	1/4	436.09	1/4	102.67	1/4		1/4		1/4			
1/2	2,254.73	1/2	1,888.71	1/2	1,522.67	1/2	1,157.47	1/2	793.76	1/2	428.63	1/2	96.25	1/2		1/2		1/2			
3/4	2,247.10	3/4	1,881.08	3/4	1,515.05	3/4	1,149.88	3/4	786.13	3/4	421.17	3/4	89.83	3/4		3/4		3/4			
4	2,239.47	4	1,873.45	4	1,507.42	4	1,142.31	4	778.50	4	413.80	4	83.52	4		4		4			
1/4	2,231.85	1/4	1,865.83	1/4	1,499.79	1/4	1,134.74	1/4	770.88	1/4	406.43	1/4	77.21	1/4		1/4		1/4			
1/2	2,224.22	1/2	1,858.20	1/2	1,492.17	1/2	1,127.17	1/2	763.25	1/2	399.06	1/2	70.90	1/2		1/2		1/2			
3/4	2,216.60	3/4	1,850.58	3/4	1,484.54	3/4	1,119.60	3/4	755.63	3/4	391.68	3/4	64.58	3/4		3/4		3/4			
5	2,208.97	5	1,842.95	5	1,476.93	5	1,112.03	5	748.00	5	384.40	5	58.39	5		5		5			
1/4	2,201.35	1/4	1,835.33	1/4	1,469.32	1/4	1,104.46	1/4	740.37	1/4	377.11	1/4	52.19	1/4		1/4		1/4			
1/2	2,193.72	1/2	1,827.70	1/2	1,461.71	1/2	1,096.90	1/2	732.75	1/2	369.82	1/2	46.00	1/2		1/2		1/2			
3/4	2,186.10	3/4	1,820.07	3/4	1,454.10	3/4	1,089.33	3/4	725.12	3/4	362.54	3/4	39.80	3/4		3/4		3/4			
6	2,178.47	6	1,812.45	6	1,446.50	6	1,081.76	6	717.50	6	355.33	6	34.31	6		6		6			
1/4	2,170.85	1/4	1,804.82	1/4	1,438.90	1/4	1,074.19	1/4	709.87	1/4	348.13	1/4	28.81	1/4		1/4		1/4			
1/2	2,163.22	1/2	1,797.20	1/2	1,431.30	1/2	1,066.62	1/2	702.24	1/2	340.93	1/2	23.31	1/2		1/2		1/2			
3/4	2,155.60	3/4	1,789.57	3/4	1,423.70	3/4	1,059.06	3/4	694.62	3/4	333.73	3/4	17.81	3/4		3/4		3/4			
7	2,147.97	7	1,781.95	7	1,416.11	7	1,051.49	7	686.99	7	326.61	7	14.25	7		7		7			
1/4	2,140.34	1/4	1,774.32	1/4	1,408.51	1/4	1,043.92	1/4	679.37	1/4	319.49	1/4	10.70	1/4		1/4		1/4			
1/2	2,132.72	1/2	1,766.69	1/2	1,400.91	1/2	1,036.35	1/2	671.74	1/2	312.37	1/2	7.14	1/2		1/2		1/2			
3/4	2,125.09	3/4	1,759.07	3/4	1,393.31	3/4	1,028.78	3/4	664.11	3/4	305.25	3/4	3.58	3/4		3/4		3/4			
8	2,117.47	8	1,751.44	8	1,385.71	8	1,021.22	8	656.49	8	298.22	8		8		8		8			
1/4	2,109.84	1/4	1,743.82	1/4	1,378.11	1/4	1,013.65	1/4	648.86	1/4	291.19	1/4		1/4		1/4		1/4			
1/2	2,102.22	1/2	1,736.19	1/2	1,370.52	1/2	1,006.08	1/2	641.24	1/2	284.16	1/2		1/2		1/2		1/2			
3/4	2,094.59	3/4	1,728.57	3/4	1,362.92	3/4	998.51	3/4	633.61	3/4	277.12	3/4		3/4		3/4		3/4			
9	2,086.97	9	1,720.94	9	1,355.32	9	990.94	9	625.98	9	270.17	9		9		9		9			
1/4	2,079.34	1/4	1,713.31	1/4	1,347.72	1/4	983.38	1/4	618.36	1/4	263.23	1/4		1/4		1/4		1/4			
1/2	2,071.72	1/2	1,705.69	1/2	1,340.12	1/2	975.81	1/2	610.73	1/2	256.28	1/2		1/2		1/2		1/2			
3/4	2,064.09	3/4	1,698.06	3/4	1,332.52	3/4	968.24	3/4	603.10	3/4	249.33	3/4		3/4		3/4		3/4			
10	2,056.47	10	1,690.44	10	1,324.92	10	960.67	10	595.48	10	242.47	10		10		10		10			
1/4	2,048.84	1/4	1,682.81	1/4	1,317.33	1/4	953.10	1/4	587.85	1/4	235.60	1/4		1/4		1/4		1/4			
1/2	2,041.21	1/2	1,675.19	1/2	1,309.73	1/2	945.54	1/2	580.23	1/2	228.74	1/2		1/2		1/2		1/2			
3/4	2,033.59	3/4	1,667.56	3/4	1,302.13	3/4	937.97	3/4	572.60	3/4	221.88	3/4		3/4		3/4		3/4			
11	2,025.96	11	1,659.93	11	1,294.52	11	930.40	11	564.97	11	215.10	11		11		11		11			
1/4	2,018.34	1/4	1,652.31	1/4	1,286.90	1/4	922.83	1/4	557.35	1/4	208.32	1/4		1/4		1/4		1/4			
1/2	2,010.71	1/2	1,644.68	1/2	1,279.29	1/2	915.26	1/2	549.72	1/2	201.54	1/2		1/2		1/2		1/2			
3/4	2,003.09	3/4	1,637.06	3/4	1,271.68	3/4	907.70	3/4	542.09	3/4	194.76	3/4		3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/30/2006 CL - SW  
CALCULATED: 08/31/2006 CL  
PRINTED: 08/31/2006 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2006

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



# BARGE "KIRBY 28083"

## 1 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	4,506.91	0	4,174.25	0	3,817.95	0	3,452.07	0	3,086.18	0	2,720.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,500.23	1/4	4,167.05	1/4	3,810.33	1/4	3,444.45	1/4	3,078.56	1/4	2,712.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,820.69	1/2	4,493.55	1/2	4,159.84	1/2	3,802.71	1/2	3,436.82	1/2	3,070.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,813.87	3/4	4,486.84	3/4	4,152.60	3/4	3,795.09	3/4	3,429.20	3/4	3,063.31
1		1		1		1		1	4,807.05	1	4,480.12	1	4,145.35	1	3,787.47	1	3,421.58	1	3,055.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,800.22	1/4	4,473.41	1/4	4,138.11	1/4	3,779.85	1/4	3,413.96	1/4	3,048.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,793.40	1/2	4,466.70	1/2	4,130.86	1/2	3,772.22	1/2	3,406.33	1/2	3,040.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,785.94	3/4	4,459.95	3/4	4,123.58	3/4	3,764.60	3/4	3,398.71	3/4	3,032.82
2		2		2		2		2	4,778.48	2	4,453.20	2	4,116.30	2	3,756.98	2	3,391.09	2	3,025.20
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,771.03	1/4	4,446.45	1/4	4,109.02	1/4	3,749.36	1/4	3,383.47	1/4	3,017.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,763.57	1/2	4,439.70	1/2	4,101.74	1/2	3,741.73	1/2	3,375.84	1/2	3,009.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,756.03	3/4	4,432.92	3/4	4,094.42	3/4	3,734.11	3/4	3,368.22	3/4	3,002.33
3		3		3		3		3	4,748.49	3	4,426.13	3	4,087.10	3	3,726.49	3	3,360.60	3	2,994.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,740.95	1/4	4,419.34	1/4	4,079.79	1/4	3,718.86	1/4	3,352.97	1/4	2,987.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,733.42	1/2	4,412.56	1/2	4,072.47	1/2	3,711.24	1/2	3,345.35	1/2	2,979.46
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,726.16	3/4	4,405.73	3/4	4,065.12	3/4	3,703.62	3/4	3,337.73	3/4	2,971.84
4		4		4		4		4	4,718.90	4	4,398.91	4	4,057.77	4	3,696.00	4	3,330.11	4	2,964.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,711.64	1/4	4,392.09	1/4	4,050.42	1/4	3,688.37	1/4	3,322.48	1/4	2,956.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,704.38	1/2	4,385.26	1/2	4,043.07	1/2	3,680.75	1/2	3,314.86	1/2	2,948.97
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,697.67	3/4	4,378.40	3/4	4,035.69	3/4	3,673.13	3/4	3,307.24	3/4	2,941.35
5		5		5		5		5	4,690.96	5	4,371.54	5	4,028.30	5	3,665.51	5	3,299.62	5	2,933.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,684.25	1/4	4,364.68	1/4	4,020.92	1/4	3,657.88	1/4	3,291.99	1/4	2,926.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,677.54	1/2	4,357.82	1/2	4,013.53	1/2	3,650.26	1/2	3,284.37	1/2	2,918.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,671.08	3/4	4,350.92	3/4	4,006.11	3/4	3,642.64	3/4	3,276.75	3/4	2,910.86
6		6		6		6		6	4,664.62	6	4,344.02	6	3,998.69	6	3,635.01	6	3,269.13	6	2,903.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,658.16	1/4	4,337.12	1/4	3,991.27	1/4	3,627.39	1/4	3,261.50	1/4	2,895.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,651.70	1/2	4,330.23	1/2	3,983.85	1/2	3,619.77	1/2	3,253.88	1/2	2,887.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,645.20	3/4	4,323.27	3/4	3,976.39	3/4	3,612.15	3/4	3,246.26	3/4	2,880.37
7		7		7		7		7	4,638.71	7	4,316.31	7	3,968.93	7	3,604.52	7	3,238.63	7	2,872.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,632.21	1/4	4,309.36	1/4	3,961.47	1/4	3,596.90	1/4	3,231.01	1/4	2,865.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,625.72	1/2	4,302.40	1/2	3,954.01	1/2	3,589.28	1/2	3,223.39	1/2	2,857.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,619.18	3/4	4,295.36	3/4	3,946.51	3/4	3,581.66	3/4	3,215.77	3/4	2,849.88
8		8		8		8		8	4,612.65	8	4,288.33	8	3,939.02	8	3,574.03	8	3,208.14	8	2,842.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,606.11	1/4	4,281.29	1/4	3,931.52	1/4	3,566.41	1/4	3,200.52	1/4	2,834.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,599.58	1/2	4,274.25	1/2	3,924.02	1/2	3,558.79	1/2	3,192.90	1/2	2,827.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,593.01	3/4	4,267.16	3/4	3,916.49	3/4	3,551.17	3/4	3,185.28	3/4	2,819.39
9		9		9		9		9	4,586.44	9	4,260.06	9	3,908.95	9	3,543.54	9	3,177.65	9	2,811.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,579.87	1/4	4,252.97	1/4	3,901.42	1/4	3,535.92	1/4	3,170.03	1/4	2,804.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,573.29	1/2	4,245.87	1/2	3,893.89	1/2	3,528.30	1/2	3,162.41	1/2	2,796.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,566.69	3/4	4,238.74	3/4	3,886.32	3/4	3,520.67	3/4	3,154.78	3/4	2,788.90
10		10		10		10		10	4,560.08	10	4,231.61	10	3,878.74	10	3,513.05	10	3,147.16	10	2,781.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,553.47	1/4	4,224.48	1/4	3,871.17	1/4	3,505.43	1/4	3,139.54	1/4	2,773.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,546.86	1/2	4,217.34	1/2	3,863.60	1/2	3,497.81	1/2	3,131.92	1/2	2,766.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,540.21	3/4	4,210.18	3/4	3,856.00	3/4	3,490.18	3/4	3,124.29	3/4	2,758.40
11		11		11		11		11	4,533.57	11	4,203.01	11	3,848.40	11	3,482.56	11	3,116.67	11	2,750.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,526.92	1/4	4,195.84	1/4	3,840.79	1/4	3,474.94	1/4	3,109.05	1/4	2,743.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,520.28	1/2	4,188.67	1/2	3,833.19	1/2	3,467.32	1/2	3,101.43	1/2	2,735.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,513.60	3/4	4,181.46	3/4	3,825.57	3/4	3,459.69	3/4	3,093.80	3/4	2,727.91

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 28083"

## 1 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 1/2"

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	2,354.40	0	1,988.51	0	1,622.61	0	1,257.36	0	892.46	0	526.64	0	181.30	0		0		0	
1/4	2,346.78	1/4	1,980.89	1/4	1,614.99	1/4	1,249.74	1/4	884.87	1/4	519.02	1/4	174.61	1/4		1/4		1/4	
1/2	2,339.16	1/2	1,973.27	1/2	1,607.37	1/2	1,242.12	1/2	877.27	1/2	511.40	1/2	167.92	1/2		1/2		1/2	
3/4	2,331.53	3/4	1,965.65	3/4	1,599.74	3/4	1,234.49	3/4	869.66	3/4	503.79	3/4	161.32	3/4		3/4		3/4	
1	2,323.91	1	1,958.02	1	1,592.12	1	1,226.87	1	862.05	1	496.19	1	154.72	1		1		1	
1/4	2,316.29	1/4	1,950.40	1/4	1,584.50	1/4	1,219.24	1/4	854.44	1/4	488.59	1/4	148.11	1/4		1/4		1/4	
1/2	2,308.67	1/2	1,942.78	1/2	1,576.87	1/2	1,211.62	1/2	846.83	1/2	480.99	1/2	141.51	1/2		1/2		1/2	
3/4	2,301.04	3/4	1,935.16	3/4	1,569.25	3/4	1,204.00	3/4	839.20	3/4	473.45	3/4	135.00	3/4		3/4		3/4	
2	2,293.42	2	1,927.53	2	1,561.63	2	1,196.37	2	831.58	2	465.91	2	128.48	2		2		2	
1/4	2,285.80	1/4	1,919.91	1/4	1,554.01	1/4	1,188.75	1/4	823.96	1/4	458.37	1/4	121.97	1/4		1/4		1/4	
1/2	2,278.17	1/2	1,912.29	1/2	1,546.38	1/2	1,181.13	1/2	816.33	1/2	450.83	1/2	115.46	1/2		1/2		1/2	
3/4	2,270.55	3/4	1,904.66	3/4	1,538.76	3/4	1,173.52	3/4	808.71	3/4	443.38	3/4	109.04	3/4		3/4		3/4	
3	2,262.93	3	1,897.04	3	1,531.14	3	1,165.90	3	801.09	3	435.92	3	102.63	3		3		3	
1/4	2,255.31	1/4	1,889.42	1/4	1,523.51	1/4	1,158.29	1/4	793.46	1/4	428.47	1/4	96.21	1/4		1/4		1/4	
1/2	2,247.68	1/2	1,881.79	1/2	1,515.89	1/2	1,150.68	1/2	785.84	1/2	421.01	1/2	89.80	1/2		1/2		1/2	
3/4	2,240.06	3/4	1,874.17	3/4	1,508.27	3/4	1,143.09	3/4	778.22	3/4	413.65	3/4	83.49	3/4		3/4		3/4	
4	2,232.44	4	1,866.55	4	1,500.64	4	1,135.49	4	770.59	4	406.28	4	77.18	4		4		4	
1/4	2,224.82	1/4	1,858.93	1/4	1,493.02	1/4	1,127.89	1/4	762.97	1/4	398.91	1/4	70.87	1/4		1/4		1/4	
1/2	2,217.19	1/2	1,851.30	1/2	1,485.40	1/2	1,120.30	1/2	755.35	1/2	391.54	1/2	64.56	1/2		1/2		1/2	
3/4	2,209.57	3/4	1,843.68	3/4	1,477.79	3/4	1,112.70	3/4	747.72	3/4	384.25	3/4	58.36	3/4		3/4		3/4	
5	2,201.95	5	1,836.06	5	1,470.18	5	1,105.11	5	740.10	5	376.97	5	52.17	5		5		5	
1/4	2,194.32	1/4	1,828.43	1/4	1,462.57	1/4	1,097.52	1/4	732.48	1/4	369.68	1/4	45.98	1/4		1/4		1/4	
1/2	2,186.70	1/2	1,820.81	1/2	1,454.96	1/2	1,089.92	1/2	724.86	1/2	362.40	1/2	39.79	1/2		1/2		1/2	
3/4	2,179.08	3/4	1,813.19	3/4	1,447.37	3/4	1,082.33	3/4	717.23	3/4	355.20	3/4	34.29	3/4		3/4		3/4	
6	2,171.46	6	1,805.56	6	1,439.77	6	1,074.73	6	709.61	6	348.00	6	28.79	6		6		6	
1/4	2,163.83	1/4	1,797.94	1/4	1,432.18	1/4	1,067.14	1/4	701.99	1/4	340.80	1/4	23.30	1/4		1/4		1/4	
1/2	2,156.21	1/2	1,790.32	1/2	1,424.58	1/2	1,059.54	1/2	694.36	1/2	333.60	1/2	17.80	1/2		1/2		1/2	
3/4	2,148.59	3/4	1,782.70	3/4	1,416.99	3/4	1,051.95	3/4	686.74	3/4	326.48	3/4	14.25	3/4		3/4		3/4	
7	2,140.97	7	1,775.07	7	1,409.39	7	1,044.35	7	679.12	7	319.37	7	10.69	7		7		7	
1/4	2,133.34	1/4	1,767.45	1/4	1,401.79	1/4	1,036.76	1/4	671.49	1/4	312.25	1/4	7.14	1/4		1/4		1/4	
1/2	2,125.72	1/2	1,759.83	1/2	1,394.20	1/2	1,029.17	1/2	663.87	1/2	305.14	1/2	3.58	1/2		1/2		1/2	
3/4	2,118.10	3/4	1,752.20	3/4	1,386.60	3/4	1,021.57	3/4	656.25	3/4	298.11	3/4		3/4		3/4		3/4	
8	2,110.47	8	1,744.58	8	1,379.01	8	1,013.98	8	648.62	8	291.08	8		8		8		8	
1/4	2,102.85	1/4	1,736.96	1/4	1,371.41	1/4	1,006.38	1/4	641.00	1/4	284.05	1/4		1/4		1/4		1/4	
1/2	2,095.23	1/2	1,729.33	1/2	1,363.82	1/2	998.79	1/2	633.38	1/2	277.02	1/2		1/2		1/2		1/2	
3/4	2,087.61	3/4	1,721.71	3/4	1,356.22	3/4	991.19	3/4	625.75	3/4	270.07	3/4		3/4		3/4		3/4	
9	2,079.98	9	1,714.09	9	1,348.62	9	983.60	9	618.13	9	263.13	9		9		9		9	
1/4	2,072.36	1/4	1,706.47	1/4	1,341.03	1/4	976.00	1/4	610.50	1/4	256.18	1/4		1/4		1/4		1/4	
1/2	2,064.74	1/2	1,698.84	1/2	1,333.43	1/2	968.41	1/2	602.88	1/2	249.23	1/2		1/2		1/2		1/2	
3/4	2,057.12	3/4	1,691.22	3/4	1,325.84	3/4	960.82	3/4	595.26	3/4	242.37	3/4		3/4		3/4		3/4	
10	2,049.49	10	1,683.60	10	1,318.24	10	953.22	10	587.63	10	235.51	10		10		10		10	
1/4	2,041.87	1/4	1,675.97	1/4	1,310.64	1/4	945.63	1/4	580.01	1/4	228.65	1/4		1/4		1/4		1/4	
1/2	2,034.25	1/2	1,668.35	1/2	1,303.05	1/2	938.03	1/2	572.39	1/2	221.79	1/2		1/2		1/2		1/2	
3/4	2,026.63	3/4	1,660.73	3/4	1,295.44	3/4	930.44	3/4	564.76	3/4	215.01	3/4		3/4		3/4		3/4	
11	2,019.00	11	1,653.10	11	1,287.83	11	922.84	11	557.14	11	208.24	11		11		11		11	
1/4	2,011.38	1/4	1,645.48	1/4	1,280.22	1/4	915.25	1/4	549.52	1/4	201.46	1/4		1/4		1/4		1/4	
1/2	2,003.76	1/2	1,637.86	1/2	1,272.61	1/2	907.66	1/2	541.89	1/2	194.69	1/2		1/2		1/2		1/2	
3/4	1,996.14	3/4	1,630.24	3/4	1,264.99	3/4	900.06	3/4	534.27	3/4	188.00	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/30/2006 CL - SW  
CALCULATED: 08/31/2006 CL  
PRINTED: 08/31/2006 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2006

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



# BARGE "KIRBY 28083"

## 2 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-08 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		0	4,549.61	0	4,220.42	0	3,867.40	0	3,503.62	0	3,139.82	0	2,776.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,543.01	1/4	4,213.29	1/4	3,859.84	1/4	3,496.04	1/4	3,132.24	1/4	2,768.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,536.36	1/2	4,206.12	1/2	3,852.26	1/2	3,488.46	1/2	3,124.66	1/2	2,760.86
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,529.72	3/4	4,198.96	3/4	3,844.68	3/4	3,480.89	3/4	3,117.08	3/4	2,753.28
1		1		1		1	4,847.30	1	4,523.08	1	4,191.79	1	3,837.11	1	3,473.31	1	3,109.50	1	2,745.70
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,841.70	1/4	4,516.43	1/4	4,184.63	1/4	3,829.53	1/4	3,465.73	1/4	3,101.93	1/4	2,738.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,834.92	1/2	4,509.76	1/2	4,177.42	1/2	3,821.95	1/2	3,458.15	1/2	3,094.35	1/2	2,730.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,828.14	3/4	4,503.08	3/4	4,170.22	3/4	3,814.37	3/4	3,450.57	3/4	3,086.77	3/4	2,722.97
2		2		2		2	4,821.35	2	4,496.41	2	4,163.02	2	3,806.79	2	3,442.99	2	3,079.19	2	2,715.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,814.57	1/4	4,489.73	1/4	4,155.81	1/4	3,799.21	1/4	3,435.41	1/4	3,071.61	1/4	2,707.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,807.15	1/2	4,483.02	1/2	4,148.57	1/2	3,791.63	1/2	3,427.83	1/2	3,064.03	1/2	2,700.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,799.74	3/4	4,476.31	3/4	4,141.33	3/4	3,784.05	3/4	3,420.25	3/4	3,056.45	3/4	2,692.65
3		3		3		3	4,792.32	3	4,469.60	3	4,134.09	3	3,776.47	3	3,412.67	3	3,048.87	3	2,685.07
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,784.90	1/4	4,462.89	1/4	4,126.85	1/4	3,768.90	1/4	3,405.09	1/4	3,041.29	1/4	2,677.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,777.41	1/2	4,456.15	1/2	4,119.58	1/2	3,761.32	1/2	3,397.51	1/2	3,033.71	1/2	2,669.91
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,769.92	3/4	4,449.40	3/4	4,112.30	3/4	3,753.74	3/4	3,389.94	3/4	3,026.13	3/4	2,662.33
4		4		4		4	4,762.42	4	4,442.65	4	4,105.03	4	3,746.16	4	3,382.36	4	3,018.55	4	2,654.75
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,754.93	1/4	4,435.90	1/4	4,097.75	1/4	3,738.58	1/4	3,374.78	1/4	3,010.98	1/4	2,647.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,747.71	1/2	4,429.12	1/2	4,090.45	1/2	3,731.00	1/2	3,367.20	1/2	3,003.40	1/2	2,639.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,740.49	3/4	4,422.33	3/4	4,083.14	3/4	3,723.42	3/4	3,359.62	3/4	2,995.82	3/4	2,632.02
5		5		5		5	4,733.27	5	4,415.55	5	4,075.83	5	3,715.84	5	3,352.04	5	2,988.24	5	2,624.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,726.06	1/4	4,408.77	1/4	4,068.52	1/4	3,708.26	1/4	3,344.46	1/4	2,980.66	1/4	2,616.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,719.38	1/2	4,401.94	1/2	4,061.18	1/2	3,700.68	1/2	3,336.88	1/2	2,973.08	1/2	2,609.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,712.71	3/4	4,395.12	3/4	4,053.84	3/4	3,693.10	3/4	3,329.30	3/4	2,965.50	3/4	2,601.70
6		6		6		6	4,706.04	6	4,388.30	6	4,046.49	6	3,685.52	6	3,321.72	6	2,957.92	6	2,594.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,699.37	1/4	4,381.48	1/4	4,039.15	1/4	3,677.94	1/4	3,314.14	1/4	2,950.34	1/4	2,586.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,692.95	1/2	4,374.62	1/2	4,031.77	1/2	3,670.37	1/2	3,306.56	1/2	2,942.76	1/2	2,578.96
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,686.52	3/4	4,367.76	3/4	4,024.39	3/4	3,662.79	3/4	3,298.98	3/4	2,935.18	3/4	2,571.38
7		7		7		7	4,680.10	7	4,360.90	7	4,017.01	7	3,655.21	7	3,291.41	7	2,927.60	7	2,563.80
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,673.68	1/4	4,354.04	1/4	4,009.63	1/4	3,647.63	1/4	3,283.83	1/4	2,920.02	1/4	2,556.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,667.22	1/2	4,347.13	1/2	4,002.22	1/2	3,640.05	1/2	3,276.25	1/2	2,912.45	1/2	2,548.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,660.76	3/4	4,340.21	3/4	3,994.80	3/4	3,632.47	3/4	3,268.67	3/4	2,904.87	3/4	2,541.06
8		8		8		8	4,654.30	8	4,333.29	8	3,987.38	8	3,624.89	8	3,261.09	8	2,897.29	8	2,533.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,647.84	1/4	4,326.38	1/4	3,979.97	1/4	3,617.31	1/4	3,253.51	1/4	2,889.71	1/4	2,525.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,641.35	1/2	4,319.38	1/2	3,972.51	1/2	3,609.73	1/2	3,245.93	1/2	2,882.13	1/2	2,518.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,634.85	3/4	4,312.38	3/4	3,965.06	3/4	3,602.15	3/4	3,238.35	3/4	2,874.55	3/4	2,510.75
9		9		9		9	4,628.35	9	4,305.39	9	3,957.61	9	3,594.57	9	3,230.77	9	2,866.97	9	2,503.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,621.86	1/4	4,298.39	1/4	3,950.15	1/4	3,586.99	1/4	3,223.19	1/4	2,859.39	1/4	2,495.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,615.32	1/2	4,291.34	1/2	3,942.66	1/2	3,579.42	1/2	3,215.61	1/2	2,851.81	1/2	2,488.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,608.79	3/4	4,284.28	3/4	3,935.17	3/4	3,571.84	3/4	3,208.03	3/4	2,844.23	3/4	2,480.43
10		10		10		10	4,602.26	10	4,277.23	10	3,927.68	10	3,564.26	10	3,200.46	10	2,836.65	10	2,472.85
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,595.72	1/4	4,270.17	1/4	3,920.19	1/4	3,556.68	1/4	3,192.88	1/4	2,829.07	1/4	2,465.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,589.15	1/2	4,263.08	1/2	3,912.66	1/2	3,549.10	1/2	3,185.30	1/2	2,821.50	1/2	2,457.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,582.58	3/4	4,255.99	3/4	3,905.13	3/4	3,541.52	3/4	3,177.72	3/4	2,813.92	3/4	2,450.11
11		11		11		11	4,576.01	11	4,248.90	11	3,897.60	11	3,533.94	11	3,170.14	11	2,806.34	11	2,442.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,569.44	1/4	4,241.81	1/4	3,890.07	1/4	3,526.36	1/4	3,162.56	1/4	2,798.76	1/4	2,434.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,562.83	1/2	4,234.68	1/2	3,882.52	1/2	3,518.78	1/2	3,154.98	1/2	2,791.18	1/2	2,427.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,556.22	3/4	4,227.55	3/4	3,874.96	3/4	3,511.20	3/4	3,147.40	3/4	2,783.60	3/4	2,419.80

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 28083"

## 2 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-08 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	2,412.22	0	2,048.42	0	1,684.60	0	1,324.67	0	972.93	0	613.81	0	249.96	0		0		0	
1/4	2,404.64	1/4	2,040.84	1/4	1,677.02	1/4	1,317.09	1/4	965.68	1/4	606.23	1/4	242.38	1/4		1/4		1/4	
1/2	2,397.06	1/2	2,033.26	1/2	1,669.44	1/2	1,309.51	1/2	958.43	1/2	598.65	1/2	234.80	1/2		1/2		1/2	
3/4	2,389.48	3/4	2,025.68	3/4	1,661.86	3/4	1,301.93	3/4	951.18	3/4	591.07	3/4	227.22	3/4		3/4		3/4	
1	2,381.90	1	2,018.10	1	1,654.29	1	1,294.35	1	943.93	1	583.49	1	219.64	1		1		1	
1/4	2,374.32	1/4	2,010.52	1/4	1,646.71	1/4	1,286.77	1/4	936.68	1/4	575.91	1/4	212.06	1/4		1/4		1/4	
1/2	2,366.74	1/2	2,002.94	1/2	1,639.13	1/2	1,279.19	1/2	929.41	1/2	568.33	1/2	204.48	1/2		1/2		1/2	
3/4	2,359.16	3/4	1,995.36	3/4	1,631.55	3/4	1,271.61	3/4	922.15	3/4	560.75	3/4	196.90	3/4		3/4		3/4	
2	2,351.58	2	1,987.78	2	1,623.97	2	1,264.03	2	914.88	2	553.17	2	189.33	2		2		2	
1/4	2,344.01	1/4	1,980.20	1/4	1,616.39	1/4	1,256.45	1/4	907.62	1/4	545.59	1/4	181.75	1/4		1/4		1/4	
1/2	2,336.43	1/2	1,972.62	1/2	1,608.81	1/2	1,249.02	1/2	900.34	1/2	538.01	1/2	174.18	1/2		1/2		1/2	
3/4	2,328.85	3/4	1,965.04	3/4	1,601.23	3/4	1,241.59	3/4	893.06	3/4	530.43	3/4	166.61	3/4		3/4		3/4	
3	2,321.27	3	1,957.46	3	1,593.65	3	1,234.17	3	885.78	3	522.85	3	159.04	3		3		3	
1/4	2,313.69	1/4	1,949.88	1/4	1,586.07	1/4	1,226.74	1/4	878.50	1/4	515.27	1/4	151.47	1/4		1/4		1/4	
1/2	2,306.11	1/2	1,942.30	1/2	1,578.49	1/2	1,219.47	1/2	871.07	1/2	507.69	1/2	143.91	1/2		1/2		1/2	
3/4	2,298.53	3/4	1,934.72	3/4	1,570.91	3/4	1,212.20	3/4	863.64	3/4	500.11	3/4	136.35	3/4		3/4		3/4	
4	2,290.95	4	1,927.14	4	1,563.33	4	1,204.94	4	856.22	4	492.53	4	128.79	4		4		4	
1/4	2,283.37	1/4	1,919.56	1/4	1,555.75	1/4	1,197.67	1/4	848.79	1/4	484.94	1/4	121.23	1/4		1/4		1/4	
1/2	2,275.79	1/2	1,911.99	1/2	1,548.25	1/2	1,190.42	1/2	841.21	1/2	477.36	1/2	113.69	1/2		1/2		1/2	
3/4	2,268.21	3/4	1,904.41	3/4	1,540.76	3/4	1,183.17	3/4	833.63	3/4	469.78	3/4	106.15	3/4		3/4		3/4	
5	2,260.63	5	1,896.83	5	1,533.26	5	1,175.92	5	826.05	5	462.20	5	98.62	5		5		5	
1/4	2,253.06	1/4	1,889.25	1/4	1,525.76	1/4	1,168.66	1/4	818.47	1/4	454.62	1/4	91.08	1/4		1/4		1/4	
1/2	2,245.48	1/2	1,881.67	1/2	1,518.34	1/2	1,161.42	1/2	810.89	1/2	447.04	1/2	83.57	1/2		1/2		1/2	
3/4	2,237.90	3/4	1,874.09	3/4	1,510.92	3/4	1,154.17	3/4	803.31	3/4	439.46	3/4	76.07	3/4		3/4		3/4	
6	2,230.32	6	1,866.51	6	1,503.51	6	1,146.92	6	795.73	6	431.88	6	68.56	6		6		6	
1/4	2,222.74	1/4	1,858.93	1/4	1,496.09	1/4	1,139.67	1/4	788.15	1/4	424.30	1/4	61.06	1/4		1/4		1/4	
1/2	2,215.16	1/2	1,851.35	1/2	1,488.67	1/2	1,132.42	1/2	780.57	1/2	416.72	1/2	54.16	1/2		1/2		1/2	
3/4	2,207.58	3/4	1,843.77	3/4	1,481.26	3/4	1,125.17	3/4	772.99	3/4	409.14	3/4	47.26	3/4		3/4		3/4	
7	2,200.00	7	1,836.19	7	1,473.84	7	1,117.92	7	765.41	7	401.56	7	40.36	7		7		7	
1/4	2,192.42	1/4	1,828.61	1/4	1,466.42	1/4	1,110.67	1/4	757.83	1/4	393.98	1/4	33.46	1/4		1/4		1/4	
1/2	2,184.84	1/2	1,821.03	1/2	1,459.00	1/2	1,103.42	1/2	750.25	1/2	386.40	1/2	28.41	1/2		1/2		1/2	
3/4	2,177.26	3/4	1,813.45	3/4	1,451.59	3/4	1,096.17	3/4	742.67	3/4	378.82	3/4	23.36	3/4		3/4		3/4	
8	2,169.68	8	1,805.87	8	1,444.17	8	1,088.92	8	735.09	8	371.24	8	18.31	8		8		8	
1/4	2,162.10	1/4	1,798.29	1/4	1,436.75	1/4	1,081.67	1/4	727.51	1/4	363.66	1/4	13.26	1/4		1/4		1/4	
1/2	2,154.53	1/2	1,790.71	1/2	1,429.33	1/2	1,074.42	1/2	719.93	1/2	356.08	1/2		1/2		1/2		1/2	
3/4	2,146.95	3/4	1,783.14	3/4	1,421.92	3/4	1,067.17	3/4	712.35	3/4	348.50	3/4		3/4		3/4		3/4	
9	2,139.37	9	1,775.56	9	1,414.50	9	1,059.93	9	704.77	9	340.92	9		9		9		9	
1/4	2,131.79	1/4	1,767.98	1/4	1,407.08	1/4	1,052.68	1/4	697.19	1/4	333.34	1/4		1/4		1/4		1/4	
1/2	2,124.21	1/2	1,760.40	1/2	1,399.66	1/2	1,045.43	1/2	689.61	1/2	325.76	1/2		1/2		1/2		1/2	
3/4	2,116.63	3/4	1,752.82	3/4	1,392.25	3/4	1,038.18	3/4	682.03	3/4	318.18	3/4		3/4		3/4		3/4	
10	2,109.05	10	1,745.24	10	1,384.83	10	1,030.93	10	674.45	10	310.60	10		10		10		10	
1/4	2,101.47	1/4	1,737.66	1/4	1,377.41	1/4	1,023.68	1/4	666.87	1/4	303.02	1/4		1/4		1/4		1/4	
1/2	2,093.89	1/2	1,730.08	1/2	1,369.91	1/2	1,016.43	1/2	659.29	1/2	295.44	1/2		1/2		1/2		1/2	
3/4	2,086.31	3/4	1,722.50	3/4	1,362.41	3/4	1,009.18	3/4	651.71	3/4	287.86	3/4		3/4		3/4		3/4	
11	2,078.73	11	1,714.92	11	1,354.91	11	1,001.93	11	644.13	11	280.28	11		11		11		11	
1/4	2,071.15	1/4	1,707.34	1/4	1,347.41	1/4	994.68	1/4	636.55	1/4	272.70	1/4		1/4		1/4		1/4	
1/2	2,063.58	1/2	1,699.76	1/2	1,339.83	1/2	987.43	1/2	628.97	1/2	265.12	1/2		1/2		1/2		1/2	
3/4	2,056.00	3/4	1,692.18	3/4	1,332.25	3/4	980.18	3/4	621.39	3/4	257.54	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/30/2006 CL - SW  
CALCULATED: 08/31/2006 CL  
PRINTED: 08/31/2006 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2006

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



# BARGE "KIRBY 28083"

## 2 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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	4,559.77	0	4,229.97	0	3,876.44	0	3,512.56	0	3,148.67	0	2,784.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,553.13	1/4	4,222.81	1/4	3,868.86	1/4	3,504.98	1/4	3,141.09	1/4	2,777.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,546.48	1/2	4,215.64	1/2	3,861.28	1/2	3,497.39	1/2	3,133.51	1/2	2,769.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,539.84	3/4	4,208.47	3/4	3,853.70	3/4	3,489.81	3/4	3,125.93	3/4	2,762.04
1		1		1		1	4,858.55	1	4,533.19	1	4,201.30	1	3,846.12	1	3,482.23	1	3,118.34	1	2,754.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,851.76	1/4	4,526.52	1/4	4,194.10	1/4	3,838.54	1/4	3,474.65	1/4	3,110.76	1/4	2,746.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,844.98	1/2	4,519.84	1/2	4,186.89	1/2	3,830.96	1/2	3,467.07	1/2	3,103.18	1/2	2,739.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,838.19	3/4	4,513.16	3/4	4,179.69	3/4	3,823.38	3/4	3,459.49	3/4	3,095.60	3/4	2,731.71
2		2		2		2	4,831.40	2	4,506.49	2	4,172.48	2	3,815.80	2	3,451.91	2	3,088.02	2	2,724.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,823.99	1/4	4,499.77	1/4	4,165.24	1/4	3,808.22	1/4	3,444.33	1/4	3,080.44	1/4	2,716.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,816.57	1/2	4,493.06	1/2	4,158.00	1/2	3,800.63	1/2	3,436.75	1/2	3,072.86	1/2	2,708.97
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,809.15	3/4	4,486.35	3/4	4,150.76	3/4	3,793.05	3/4	3,429.17	3/4	3,065.28	3/4	2,701.39
3		3		3		3	4,801.73	3	4,479.64	3	4,143.52	3	3,785.47	3	3,421.58	3	3,057.70	3	2,693.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,794.24	1/4	4,472.89	1/4	4,136.24	1/4	3,777.89	1/4	3,414.00	1/4	3,050.12	1/4	2,686.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,786.74	1/2	4,466.14	1/2	4,128.96	1/2	3,770.31	1/2	3,406.42	1/2	3,042.53	1/2	2,678.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,779.24	3/4	4,459.39	3/4	4,121.69	3/4	3,762.73	3/4	3,398.84	3/4	3,034.95	3/4	2,671.07
4		4		4		4	4,771.75	4	4,452.64	4	4,114.41	4	3,755.15	4	3,391.26	4	3,027.37	4	2,663.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,764.53	1/4	4,445.86	1/4	4,107.10	1/4	3,747.57	1/4	3,383.68	1/4	3,019.79	1/4	2,655.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,757.31	1/2	4,439.07	1/2	4,099.79	1/2	3,739.99	1/2	3,376.10	1/2	3,012.21	1/2	2,648.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,750.09	3/4	4,432.28	3/4	4,092.48	3/4	3,732.41	3/4	3,368.52	3/4	3,004.63	3/4	2,640.74
5		5		5		5	4,742.87	5	4,425.50	5	4,085.17	5	3,724.82	5	3,360.94	5	2,997.05	5	2,633.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,736.20	1/4	4,418.67	1/4	4,077.83	1/4	3,717.24	1/4	3,353.36	1/4	2,989.47	1/4	2,625.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,729.52	1/2	4,411.85	1/2	4,070.48	1/2	3,709.66	1/2	3,345.77	1/2	2,981.89	1/2	2,618.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,722.85	3/4	4,405.03	3/4	4,063.14	3/4	3,702.08	3/4	3,338.19	3/4	2,974.31	3/4	2,610.42
6		6		6		6	4,716.18	6	4,398.20	6	4,055.79	6	3,694.50	6	3,330.61	6	2,966.72	6	2,602.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,709.75	1/4	4,391.34	1/4	4,048.41	1/4	3,686.92	1/4	3,323.03	1/4	2,959.14	1/4	2,595.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,703.33	1/2	4,384.48	1/2	4,041.03	1/2	3,679.34	1/2	3,315.45	1/2	2,951.56	1/2	2,587.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,696.90	3/4	4,377.62	3/4	4,033.65	3/4	3,671.76	3/4	3,307.87	3/4	2,943.98	3/4	2,580.09
7		7		7		7	4,690.48	7	4,370.76	7	4,026.27	7	3,664.18	7	3,300.29	7	2,936.40	7	2,572.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,684.02	1/4	4,363.84	1/4	4,018.85	1/4	3,656.60	1/4	3,292.71	1/4	2,928.82	1/4	2,564.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,677.56	1/2	4,356.93	1/2	4,011.43	1/2	3,649.01	1/2	3,285.13	1/2	2,921.24	1/2	2,557.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,671.10	3/4	4,350.01	3/4	4,004.01	3/4	3,641.43	3/4	3,277.55	3/4	2,913.66	3/4	2,549.77
8		8		8		8	4,664.64	8	4,343.09	8	3,996.59	8	3,633.85	8	3,269.96	8	2,906.08	8	2,542.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,658.14	1/4	4,336.09	1/4	3,989.14	1/4	3,626.27	1/4	3,262.38	1/4	2,898.50	1/4	2,534.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,651.64	1/2	4,329.09	1/2	3,981.68	1/2	3,618.69	1/2	3,254.80	1/2	2,890.91	1/2	2,527.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,645.14	3/4	4,322.09	3/4	3,974.23	3/4	3,611.11	3/4	3,247.22	3/4	2,883.33	3/4	2,519.45
9		9		9		9	4,638.64	9	4,315.10	9	3,966.77	9	3,603.53	9	3,239.64	9	2,875.75	9	2,511.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,632.11	1/4	4,308.04	1/4	3,959.28	1/4	3,595.95	1/4	3,232.06	1/4	2,868.17	1/4	2,504.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,625.57	1/2	4,300.98	1/2	3,951.79	1/2	3,588.37	1/2	3,224.48	1/2	2,860.59	1/2	2,496.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,619.04	3/4	4,293.93	3/4	3,944.29	3/4	3,580.79	3/4	3,216.90	3/4	2,853.01	3/4	2,489.12
10		10		10		10	4,612.50	10	4,286.87	10	3,936.80	10	3,573.20	10	3,209.32	10	2,845.43	10	2,481.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,605.93	1/4	4,279.78	1/4	3,929.27	1/4	3,565.62	1/4	3,201.74	1/4	2,837.85	1/4	2,473.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,599.36	1/2	4,272.68	1/2	3,921.74	1/2	3,558.04	1/2	3,194.15	1/2	2,830.27	1/2	2,466.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,592.78	3/4	4,265.59	3/4	3,914.21	3/4	3,550.46	3/4	3,186.57	3/4	2,822.69	3/4	2,458.80
11		11		11		11	4,586.21	11	4,258.50	11	3,906.68	11	3,542.88	11	3,178.99	11	2,815.10	11	2,451.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,579.60	1/4	4,251.37	1/4	3,899.12	1/4	3,535.30	1/4	3,171.41	1/4	2,807.52	1/4	2,443.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,572.99	1/2	4,244.24	1/2	3,891.56	1/2	3,527.72	1/2	3,163.83	1/2	2,799.94	1/2	2,436.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,566.38	3/4	4,237.11	3/4	3,884.00	3/4	3,520.14	3/4	3,156.25	3/4	2,792.36	3/4	2,428.47

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 28083"

## 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	2,420.89	0	2,057.00	0	1,693.10	0	1,333.09	0	970.14	0	606.37	0	242.44	0		0		0	
1/4	2,413.31	1/4	2,049.42	1/4	1,685.52	1/4	1,325.51	1/4	962.58	1/4	598.79	1/4	234.85	1/4	1/4	1/4		1/4	1/4
1/2	2,405.73	1/2	2,041.84	1/2	1,677.94	1/2	1,317.92	1/2	955.03	1/2	591.21	1/2	227.27	1/2	1/2	1/2		1/2	1/2
3/4	2,398.15	3/4	2,034.26	3/4	1,670.36	3/4	1,310.34	3/4	947.47	3/4	583.63	3/4	219.69	3/4	3/4	3/4		3/4	3/4
1	2,390.57	1	2,026.68	1	1,662.78	1	1,302.76	1	939.92	1	576.04	1	212.11	1		1		1	
1/4	2,382.99	1/4	2,019.10	1/4	1,655.20	1/4	1,295.18	1/4	932.35	1/4	568.46	1/4	204.53	1/4	1/4	1/4		1/4	1/4
1/2	2,375.41	1/2	2,011.51	1/2	1,647.62	1/2	1,287.60	1/2	924.78	1/2	560.88	1/2	196.95	1/2	1/2	1/2		1/2	1/2
3/4	2,367.83	3/4	2,003.93	3/4	1,640.04	3/4	1,280.02	3/4	917.21	3/4	553.30	3/4	189.37	3/4	3/4	3/4		3/4	3/4
2	2,360.24	2	1,996.35	2	1,632.45	2	1,272.43	2	909.64	2	545.72	2	181.79	2		2		2	
1/4	2,352.66	1/4	1,988.77	1/4	1,624.87	1/4	1,264.85	1/4	902.06	1/4	538.13	1/4	174.22	1/4	1/4	1/4		1/4	1/4
1/2	2,345.08	1/2	1,981.19	1/2	1,617.29	1/2	1,257.27	1/2	894.48	1/2	530.55	1/2	166.65	1/2	1/2	1/2		1/2	1/2
3/4	2,337.50	3/4	1,973.61	3/4	1,609.71	3/4	1,249.69	3/4	886.89	3/4	522.97	3/4	159.07	3/4	3/4	3/4		3/4	3/4
3	2,329.92	3	1,966.03	3	1,602.13	3	1,242.11	3	879.31	3	515.39	3	151.50	3		3		3	
1/4	2,322.34	1/4	1,958.45	1/4	1,594.55	1/4	1,234.54	1/4	871.73	1/4	507.81	1/4	143.94	1/4	1/4	1/4		1/4	1/4
1/2	2,314.76	1/2	1,950.87	1/2	1,586.97	1/2	1,226.97	1/2	864.15	1/2	500.22	1/2	136.38	1/2	1/2	1/2		1/2	1/2
3/4	2,307.18	3/4	1,943.28	3/4	1,579.39	3/4	1,219.40	3/4	856.57	3/4	492.64	3/4	128.82	3/4	3/4	3/4		3/4	3/4
4	2,299.60	4	1,935.70	4	1,571.81	4	1,211.83	4	848.99	4	485.06	4	121.26	4		4		4	
1/4	2,292.02	1/4	1,928.12	1/4	1,564.31	1/4	1,204.27	1/4	841.40	1/4	477.48	1/4	113.72	1/4	1/4	1/4		1/4	1/4
1/2	2,284.43	1/2	1,920.54	1/2	1,556.80	1/2	1,196.72	1/2	833.82	1/2	469.90	1/2	106.18	1/2	1/2	1/2		1/2	1/2
3/4	2,276.85	3/4	1,912.96	3/4	1,549.30	3/4	1,189.17	3/4	826.24	3/4	462.31	3/4	98.64	3/4	3/4	3/4		3/4	3/4
5	2,269.27	5	1,905.38	5	1,541.80	5	1,181.61	5	818.66	5	454.73	5	91.10	5		5		5	
1/4	2,261.69	1/4	1,897.80	1/4	1,534.39	1/4	1,174.06	1/4	811.08	1/4	447.15	1/4	83.59	1/4	1/4	1/4		1/4	1/4
1/2	2,254.11	1/2	1,890.22	1/2	1,526.97	1/2	1,166.51	1/2	803.50	1/2	439.57	1/2	76.08	1/2	1/2	1/2		1/2	1/2
3/4	2,246.53	3/4	1,882.63	3/4	1,519.55	3/4	1,158.95	3/4	795.92	3/4	431.99	3/4	68.58	3/4	3/4	3/4		3/4	3/4
6	2,238.95	6	1,875.05	6	1,512.13	6	1,151.40	6	788.33	6	424.40	6	61.07	6		6		6	
1/4	2,231.37	1/4	1,867.47	1/4	1,504.71	1/4	1,143.85	1/4	780.75	1/4	416.82	1/4	54.17	1/4	1/4	1/4		1/4	1/4
1/2	2,223.79	1/2	1,859.89	1/2	1,497.29	1/2	1,136.29	1/2	773.17	1/2	409.24	1/2	47.27	1/2	1/2	1/2		1/2	1/2
3/4	2,216.21	3/4	1,852.31	3/4	1,489.87	3/4	1,128.74	3/4	765.59	3/4	401.66	3/4	40.37	3/4	3/4	3/4		3/4	3/4
7	2,208.62	7	1,844.73	7	1,482.45	7	1,121.19	7	758.01	7	394.08	7	33.47	7		7		7	
1/4	2,201.04	1/4	1,837.15	1/4	1,475.03	1/4	1,113.64	1/4	750.43	1/4	386.49	1/4	28.42	1/4	1/4	1/4		1/4	1/4
1/2	2,193.46	1/2	1,829.57	1/2	1,467.61	1/2	1,106.08	1/2	742.85	1/2	378.91	1/2	23.37	1/2	1/2	1/2		1/2	1/2
3/4	2,185.88	3/4	1,821.98	3/4	1,460.19	3/4	1,098.53	3/4	735.26	3/4	371.33	3/4	18.31	3/4	3/4	3/4		3/4	3/4
8	2,178.30	8	1,814.40	8	1,452.78	8	1,090.98	8	727.68	8	363.75	8	13.26	8		8		8	
1/4	2,170.72	1/4	1,806.82	1/4	1,445.36	1/4	1,083.43	1/4	720.10	1/4	356.17	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,163.14	1/2	1,799.24	1/2	1,437.94	1/2	1,075.87	1/2	712.52	1/2	348.58	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,155.56	3/4	1,791.66	3/4	1,430.52	3/4	1,068.32	3/4	704.94	3/4	341.00	3/4		3/4	3/4	3/4		3/4	3/4
9	2,147.98	9	1,784.08	9	1,423.10	9	1,060.77	9	697.36	9	333.42	9		9		9		9	
1/4	2,140.40	1/4	1,776.50	1/4	1,415.68	1/4	1,053.21	1/4	689.77	1/4	325.84	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,132.81	1/2	1,768.92	1/2	1,408.26	1/2	1,045.66	1/2	682.19	1/2	318.26	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,125.23	3/4	1,761.34	3/4	1,400.84	3/4	1,038.11	3/4	674.61	3/4	310.67	3/4		3/4	3/4	3/4		3/4	3/4
10	2,117.65	10	1,753.75	10	1,393.42	10	1,030.56	10	667.03	10	303.09	10		10		10		10	
1/4	2,110.07	1/4	1,746.17	1/4	1,385.92	1/4	1,023.00	1/4	659.45	1/4	295.51	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,102.49	1/2	1,738.59	1/2	1,378.42	1/2	1,015.45	1/2	651.86	1/2	287.93	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,094.91	3/4	1,731.01	3/4	1,370.92	3/4	1,007.90	3/4	644.28	3/4	280.35	3/4		3/4	3/4	3/4		3/4	3/4
11	2,087.33	11	1,723.43	11	1,363.42	11	1,000.35	11	636.70	11	272.76	11		11		11		11	
1/4	2,079.75	1/4	1,715.85	1/4	1,355.83	1/4	992.79	1/4	629.12	1/4	265.18	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,072.17	1/2	1,708.27	1/2	1,348.25	1/2	985.24	1/2	621.54	1/2	257.60	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,064.59	3/4	1,700.69	3/4	1,340.67	3/4	977.69	3/4	613.95	3/4	250.02	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/30/2006 CL - SW  
CALCULATED: 08/31/2006 CL  
PRINTED: 08/31/2006 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2006

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



# BARGE "KIRBY 28083"

## 3 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-06 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		0	4,221.19	0	3,961.06	0	3,686.84	0	3,406.85	0	3,048.06	0	2,684.52		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,215.91	1/4	3,955.46	1/4	3,681.02	1/4	3,401.02	1/4	3,040.48	1/4	2,676.94		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,210.62	1/2	3,949.85	1/2	3,675.18	1/2	3,394.30	1/2	3,032.91	1/2	2,669.37		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,460.18	3/4	4,205.33	3/4	3,944.24	3/4	3,669.35	3/4	3,387.59	3/4	2,661.80		
1		1		1		1		1	4,455.45	1	4,200.04	1	3,938.63	1	3,663.52	1	3,380.88	1	3,017.76	1	2,654.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,450.72	1/4	4,194.75	1/4	3,933.02	1/4	3,657.69	1/4	3,374.16	1/4	3,010.19	1/4	2,646.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,445.68	1/2	4,189.44	1/2	3,927.39	1/2	3,651.86	1/2	3,366.57	1/2	3,002.61	1/2	2,639.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,440.65	3/4	4,184.13	3/4	3,921.76	3/4	3,646.02	3/4	3,358.98	3/4	2,995.04	3/4	2,631.50
2		2		2		2		2	4,435.61	2	4,178.82	2	3,916.12	2	3,640.19	2	3,351.38	2	2,987.47	2	2,623.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,430.57	1/4	4,173.51	1/4	3,910.49	1/4	3,634.36	1/4	3,343.79	1/4	2,979.89	1/4	2,616.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,424.90	1/2	4,168.18	1/2	3,904.84	1/2	3,628.52	1/2	3,336.19	1/2	2,972.32	1/2	2,608.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,419.23	3/4	4,162.86	3/4	3,899.19	3/4	3,622.69	3/4	3,328.60	3/4	2,964.75	3/4	2,601.21
3		3		3		3		3	4,413.56	3	4,157.53	3	3,893.54	3	3,616.86	3	3,321.01	3	2,957.17	3	2,593.63
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,407.89	1/4	4,152.20	1/4	3,887.89	1/4	3,611.02	1/4	3,313.41	1/4	2,949.60	1/4	2,586.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,402.14	1/2	4,146.85	1/2	3,882.22	1/2	3,605.19	1/2	3,305.82	1/2	2,942.02	1/2	2,578.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,396.39	3/4	4,141.51	3/4	3,876.55	3/4	3,599.36	3/4	3,298.23	3/4	2,934.45	3/4	2,570.91
4		4		4		4		4	4,390.64	4	4,136.16	4	3,870.88	4	3,593.52	4	3,290.63	4	2,926.88	4	2,563.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,384.89	1/4	4,130.81	1/4	3,865.21	1/4	3,587.69	1/4	3,283.04	1/4	2,919.30	1/4	2,555.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,379.29	1/2	4,125.44	1/2	3,859.52	1/2	3,581.86	1/2	3,275.44	1/2	2,911.73	1/2	2,548.19
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,373.69	3/4	4,120.08	3/4	3,853.83	3/4	3,576.02	3/4	3,267.85	3/4	2,904.16	3/4	2,540.62
5		5		5		5		5	4,368.09	5	4,114.71	5	3,848.14	5	3,570.19	5	3,260.26	5	2,896.58	5	2,533.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,362.49	1/4	4,109.34	1/4	3,842.46	1/4	3,564.35	1/4	3,252.66	1/4	2,889.01	1/4	2,525.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,357.19	1/2	4,103.95	1/2	3,836.75	1/2	3,558.52	1/2	3,245.07	1/2	2,881.43	1/2	2,517.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,351.88	3/4	4,098.57	3/4	3,831.04	3/4	3,552.69	3/4	3,237.48	3/4	2,873.86	3/4	2,510.32
6		6		6		6		6	4,346.57	6	4,093.18	6	3,825.34	6	3,546.85	6	3,229.88	6	2,866.29	6	2,502.75
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,341.27	1/4	4,087.79	1/4	3,819.63	1/4	3,541.02	1/4	3,222.29	1/4	2,858.71	1/4	2,495.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,336.09	1/2	4,082.38	1/2	3,813.90	1/2	3,535.19	1/2	3,214.71	1/2	2,851.14	1/2	2,487.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,330.92	3/4	4,076.98	3/4	3,808.18	3/4	3,529.35	3/4	3,207.12	3/4	2,843.57	3/4	2,480.03
7		7		7		7		7	4,325.75	7	4,071.57	7	3,802.45	7	3,523.52	7	3,199.54	7	2,835.99	7	2,472.45
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,320.57	1/4	4,066.16	1/4	3,796.73	1/4	3,517.69	1/4	3,191.96	1/4	2,828.42	1/4	2,464.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,315.38	1/2	4,060.71	1/2	3,790.98	1/2	3,511.85	1/2	3,184.38	1/2	2,820.84	1/2	2,457.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,310.19	3/4	4,055.26	3/4	3,785.23	3/4	3,506.02	3/4	3,176.81	3/4	2,813.27	3/4	2,449.73
8		8		8		8		8	4,304.99	8	4,049.82	8	3,779.49	8	3,500.19	8	3,169.24	8	2,805.70	8	2,442.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,299.80	1/4	4,044.37	1/4	3,773.74	1/4	3,494.35	1/4	3,161.66	1/4	2,798.12	1/4	2,434.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,294.59	1/2	4,038.86	1/2	3,767.97	1/2	3,488.52	1/2	3,154.09	1/2	2,790.55	1/2	2,427.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,289.37	3/4	4,033.35	3/4	3,762.21	3/4	3,482.69	3/4	3,146.51	3/4	2,782.98	3/4	2,419.44
9		9		9		9		9	4,284.16	9	4,027.84	9	3,756.44	9	3,476.85	9	3,138.94	9	2,775.40	9	2,411.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,278.95	1/4	4,022.32	1/4	3,750.68	1/4	3,471.02	1/4	3,131.37	1/4	2,767.83	1/4	2,404.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,273.72	1/2	4,016.77	1/2	3,744.89	1/2	3,465.19	1/2	3,123.79	1/2	2,760.26	1/2	2,396.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,268.48	3/4	4,011.22	3/4	3,739.10	3/4	3,459.35	3/4	3,116.22	3/4	2,752.68	3/4	2,389.14
10		10		10		10		10	4,263.25	10	4,005.67	10	3,733.32	10	3,453.52	10	3,108.65	10	2,745.11	10	2,381.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,258.02	1/4	4,000.12	1/4	3,727.53	1/4	3,447.68	1/4	3,101.07	1/4	2,737.53	1/4	2,374.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,252.76	1/2	3,994.55	1/2	3,721.73	1/2	3,441.85	1/2	3,093.50	1/2	2,729.96	1/2	2,366.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,247.51	3/4	3,988.97	3/4	3,715.92	3/4	3,436.02	3/4	3,085.92	3/4	2,722.39	3/4	2,358.85
11		11		11		11		11	4,242.26	11	3,983.40	11	3,710.11	11	3,430.18	11	3,078.35	11	2,714.81	11	2,351.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,237.01	1/4	3,977.83	1/4	3,704.31	1/4	3,424.35	1/4	3,070.78	1/4	2,707.24	1/4	2,343.70
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,231.73	1/2	3,972.24	1/2	3,698.48	1/2	3,418.52	1/2	3,063.20	1/2	2,699.67	1/2	2,336.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,226.46	3/4	3,966.65	3/4	3,692.66	3/4	3,412.68	3/4	3,055.63	3/4	2,692.09	3/4	2,328.55

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE 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 28083"

## 3 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-06 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,320.98	0	1,957.44	0	1,593.93	0	1,234.92	0	880.09	0	523.95	0	159.40	0		0		0	
1/4	2,313.41	1/4	1,949.87	1/4	1,586.37	1/4	1,227.36	1/4	872.73	1/4	516.35	1/4	151.81	1/4		1/4		1/4	
1/2	2,305.83	1/2	1,942.30	1/2	1,578.82	1/2	1,219.81	1/2	865.38	1/2	508.76	1/2	144.53	1/2		1/2		1/2	
3/4	2,298.26	3/4	1,934.72	3/4	1,571.27	3/4	1,212.25	3/4	858.02	3/4	501.16	3/4	137.25	3/4		3/4		3/4	
1	2,290.69	1	1,927.15	1	1,563.72	1	1,204.69	1	850.66	1	493.57	1	129.97	1		1		1	
1/4	2,283.11	1/4	1,919.57	1/4	1,556.17	1/4	1,197.13	1/4	843.31	1/4	485.97	1/4	122.69	1/4		1/4		1/4	
1/2	2,275.54	1/2	1,912.00	1/2	1,548.62	1/2	1,189.57	1/2	835.93	1/2	478.38	1/2	116.37	1/2		1/2		1/2	
3/4	2,267.96	3/4	1,904.43	3/4	1,541.07	3/4	1,182.01	3/4	828.56	3/4	470.78	3/4	110.04	3/4		3/4		3/4	
2	2,260.39	2	1,896.85	2	1,533.52	2	1,174.45	2	821.19	2	463.19	2	103.71	2		2		2	
1/4	2,252.82	1/4	1,889.28	1/4	1,525.97	1/4	1,166.90	1/4	813.82	1/4	455.60	1/4	97.38	1/4		1/4		1/4	
1/2	2,245.24	1/2	1,881.70	1/2	1,518.42	1/2	1,159.44	1/2	806.44	1/2	448.00	1/2	92.33	1/2		1/2		1/2	
3/4	2,237.67	3/4	1,874.13	3/4	1,510.87	3/4	1,151.99	3/4	799.05	3/4	440.41	3/4	87.27	3/4		3/4		3/4	
3	2,230.10	3	1,866.56	3	1,503.32	3	1,144.54	3	791.67	3	432.81	3	82.21	3		3		3	
1/4	2,222.52	1/4	1,858.98	1/4	1,495.76	1/4	1,137.08	1/4	784.28	1/4	425.22	1/4	77.16	1/4		1/4		1/4	
1/2	2,214.95	1/2	1,851.41	1/2	1,488.21	1/2	1,129.74	1/2	776.90	1/2	417.62	1/2	73.38	1/2		1/2		1/2	
3/4	2,207.38	3/4	1,843.84	3/4	1,480.66	3/4	1,122.39	3/4	769.52	3/4	410.03	3/4	69.60	3/4		3/4		3/4	
4	2,199.80	4	1,836.26	4	1,473.11	4	1,115.05	4	762.13	4	402.43	4	65.82	4		4		4	
1/4	2,192.23	1/4	1,828.69	1/4	1,465.56	1/4	1,107.70	1/4	754.75	1/4	394.84	1/4	62.04	1/4		1/4		1/4	
1/2	2,184.65	1/2	1,821.11	1/2	1,458.09	1/2	1,100.36	1/2	747.36	1/2	387.24	1/2	59.54	1/2		1/2		1/2	
3/4	2,177.08	3/4	1,813.54	3/4	1,450.62	3/4	1,093.03	3/4	739.98	3/4	379.65	3/4	57.05	3/4		3/4		3/4	
5	2,169.51	5	1,805.97	5	1,443.15	5	1,085.69	5	732.60	5	372.05	5	54.55	5		5		5	
1/4	2,161.93	1/4	1,798.39	1/4	1,435.69	1/4	1,078.35	1/4	725.21	1/4	364.46	1/4	52.06	1/4		1/4		1/4	
1/2	2,154.36	1/2	1,790.82	1/2	1,428.28	1/2	1,071.01	1/2	717.83	1/2	356.86	1/2	50.86	1/2		1/2		1/2	
3/4	2,146.79	3/4	1,783.24	3/4	1,420.88	3/4	1,063.67	3/4	710.44	3/4	349.27	3/4	49.66	3/4		3/4		3/4	
6	2,139.21	6	1,775.67	6	1,413.48	6	1,056.34	6	703.06	6	341.67	6	48.46	6		6		6	
1/4	2,131.64	1/4	1,768.10	1/4	1,406.08	1/4	1,049.00	1/4	695.68	1/4	334.08	1/4	47.26	1/4		1/4		1/4	
1/2	2,124.06	1/2	1,760.52	1/2	1,398.67	1/2	1,041.66	1/2	688.29	1/2	326.49	1/2		1/2		1/2		1/2	
3/4	2,116.49	3/4	1,752.95	3/4	1,391.26	3/4	1,034.33	3/4	680.91	3/4	318.89	3/4		3/4		3/4		3/4	
7	2,108.92	7	1,745.37	7	1,383.84	7	1,026.99	7	673.52	7	311.30	7	7	7		7		7	
1/4	2,101.34	1/4	1,737.80	1/4	1,376.43	1/4	1,019.65	1/4	666.14	1/4	303.70	1/4		1/4		1/4		1/4	
1/2	2,093.77	1/2	1,730.23	1/2	1,369.02	1/2	1,012.32	1/2	658.76	1/2	296.11	1/2		1/2		1/2		1/2	
3/4	2,086.20	3/4	1,722.65	3/4	1,361.61	3/4	1,004.98	3/4	651.37	3/4	288.51	3/4		3/4		3/4		3/4	
8	2,078.62	8	1,715.08	8	1,354.19	8	997.64	8	643.99	8	280.92	8	8	8		8		8	
1/4	2,071.05	1/4	1,707.51	1/4	1,346.78	1/4	990.31	1/4	636.60	1/4	273.32	1/4		1/4		1/4		1/4	
1/2	2,063.47	1/2	1,699.93	1/2	1,339.37	1/2	982.97	1/2	629.22	1/2	265.73	1/2		1/2		1/2		1/2	
3/4	2,055.90	3/4	1,692.36	3/4	1,331.95	3/4	975.63	3/4	621.84	3/4	258.13	3/4		3/4		3/4		3/4	
9	2,048.33	9	1,684.78	9	1,324.54	9	968.30	9	614.45	9	250.54	9	9	9		9		9	
1/4	2,040.75	1/4	1,677.21	1/4	1,317.13	1/4	960.96	1/4	607.07	1/4	242.94	1/4		1/4		1/4		1/4	
1/2	2,033.18	1/2	1,669.64	1/2	1,309.72	1/2	953.61	1/2	599.58	1/2	235.35	1/2		1/2		1/2		1/2	
3/4	2,025.61	3/4	1,662.06	3/4	1,302.32	3/4	946.27	3/4	592.09	3/4	227.75	3/4		3/4		3/4		3/4	
10	2,018.03	10	1,654.49	10	1,294.91	10	938.92	10	584.60	10	220.16	10	10	10		10		10	
1/4	2,010.46	1/4	1,646.91	1/4	1,287.51	1/4	931.57	1/4	577.11	1/4	212.56	1/4		1/4		1/4		1/4	
1/2	2,002.89	1/2	1,639.34	1/2	1,280.03	1/2	924.22	1/2	569.52	1/2	204.97	1/2		1/2		1/2		1/2	
3/4	1,995.31	3/4	1,631.77	3/4	1,272.55	3/4	916.86	3/4	561.92	3/4	197.38	3/4		3/4		3/4		3/4	
11	1,987.74	11	1,624.19	11	1,265.08	11	909.51	11	554.33	11	189.78	11	11	11		11		11	
1/4	1,980.16	1/4	1,616.62	1/4	1,257.60	1/4	902.15	1/4	546.73	1/4	182.19	1/4		1/4		1/4		1/4	
1/2	1,972.59	1/2	1,609.06	1/2	1,250.04	1/2	894.80	1/2	539.14	1/2	174.59	1/2		1/2		1/2		1/2	
3/4	1,965.02	3/4	1,601.49	3/4	1,242.48	3/4	887.44	3/4	531.54	3/4	167.00	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/30/2006 CL - SW  
CALCULATED: 08/31/2006 CL  
PRINTED: 08/31/2006 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2006

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



# BARGE "KIRBY 28083"

## 3 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-06 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		IN	
0		0		0		0		0	4,244.58	0	3,984.42	0	3,710.17	0	3,430.14	0	3,070.88	0	2,706.34		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,493.06	1/4	4,239.31	1/4	3,978.82	1/4	3,704.34	1/4	3,424.31	1/4	3,063.28	1/4	2,698.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,488.33	1/2	4,234.01	1/2	3,973.21	1/2	3,698.51	1/2	3,417.59	1/2	3,055.69	1/2	2,691.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,483.60	3/4	4,228.72	3/4	3,967.60	3/4	3,692.68	3/4	3,410.88	3/4	3,048.10	3/4	2,683.55
1		1		1		1		1	4,478.87	1	4,223.43	1	3,961.99	1	3,686.85	1	3,404.16	1	3,040.50	1	2,675.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,474.14	1/4	4,218.14	1/4	3,956.37	1/4	3,681.01	1/4	3,397.45	1/4	3,032.91	1/4	2,668.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,469.10	1/2	4,212.83	1/2	3,950.74	1/2	3,675.18	1/2	3,389.85	1/2	3,025.31	1/2	2,660.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,464.06	3/4	4,207.52	3/4	3,945.11	3/4	3,669.35	3/4	3,382.26	3/4	3,017.72	3/4	2,653.18
2		2		2		2		2	4,459.03	2	4,202.21	2	3,939.48	2	3,663.51	2	3,374.66	2	3,010.12	2	2,645.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,453.99	1/4	4,196.90	1/4	3,933.85	1/4	3,657.68	1/4	3,367.07	1/4	3,002.53	1/4	2,637.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,448.32	1/2	4,191.57	1/2	3,928.19	1/2	3,651.84	1/2	3,359.47	1/2	2,994.93	1/2	2,630.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,442.65	3/4	4,186.24	3/4	3,922.54	3/4	3,646.01	3/4	3,351.88	3/4	2,987.34	3/4	2,622.80
3		3		3		3		3	4,436.98	3	4,180.91	3	3,916.89	3	3,640.17	3	3,344.28	3	2,979.74	3	2,615.20
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,431.30	1/4	4,175.59	1/4	3,911.24	1/4	3,634.34	1/4	3,336.69	1/4	2,972.15	1/4	2,607.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,425.55	1/2	4,170.24	1/2	3,905.57	1/2	3,628.51	1/2	3,329.10	1/2	2,964.55	1/2	2,600.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,419.80	3/4	4,164.89	3/4	3,899.90	3/4	3,622.67	3/4	3,321.50	3/4	2,956.96	3/4	2,592.42
4		4		4		4		4	4,414.06	4	4,159.54	4	3,894.23	4	3,616.84	4	3,313.91	4	2,949.37	4	2,584.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,408.31	1/4	4,154.19	1/4	3,888.55	1/4	3,611.00	1/4	3,306.31	1/4	2,941.77	1/4	2,577.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,402.70	1/2	4,148.82	1/2	3,882.87	1/2	3,605.17	1/2	3,298.72	1/2	2,934.18	1/2	2,569.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,397.10	3/4	4,143.46	3/4	3,877.18	3/4	3,599.33	3/4	3,291.12	3/4	2,926.58	3/4	2,562.04
5		5		5		5		5	4,391.50	5	4,138.09	5	3,871.49	5	3,593.50	5	3,283.53	5	2,918.99	5	2,554.45
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,385.90	1/4	4,132.72	1/4	3,865.80	1/4	3,587.67	1/4	3,275.93	1/4	2,911.39	1/4	2,546.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,380.59	1/2	4,127.33	1/2	3,860.09	1/2	3,581.83	1/2	3,268.34	1/2	2,903.80	1/2	2,539.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,375.29	3/4	4,121.94	3/4	3,854.39	3/4	3,576.00	3/4	3,260.74	3/4	2,896.20	3/4	2,531.66
6		6		6		6		6	4,369.98	6	4,116.56	6	3,848.68	6	3,570.16	6	3,253.15	6	2,888.61	6	2,524.07
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,364.67	1/4	4,111.17	1/4	3,842.97	1/4	3,564.33	1/4	3,245.55	1/4	2,881.01	1/4	2,516.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,359.50	1/2	4,105.76	1/2	3,837.25	1/2	3,558.50	1/2	3,237.96	1/2	2,873.42	1/2	2,508.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,354.32	3/4	4,100.35	3/4	3,831.52	3/4	3,552.66	3/4	3,230.37	3/4	2,865.82	3/4	2,501.28
7		7		7		7		7	4,349.15	7	4,094.94	7	3,825.79	7	3,546.83	7	3,222.77	7	2,858.23	7	2,493.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,343.98	1/4	4,089.53	1/4	3,820.07	1/4	3,540.99	1/4	3,215.18	1/4	2,850.64	1/4	2,486.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,338.78	1/2	4,084.09	1/2	3,814.32	1/2	3,535.16	1/2	3,207.58	1/2	2,843.04	1/2	2,478.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,333.59	3/4	4,078.64	3/4	3,808.57	3/4	3,529.32	3/4	3,199.99	3/4	2,835.45	3/4	2,470.91
8		8		8		8		8	4,328.40	8	4,073.19	8	3,802.82	8	3,523.49	8	3,192.39	8	2,827.85	8	2,463.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,323.20	1/4	4,067.74	1/4	3,797.08	1/4	3,517.66	1/4	3,184.80	1/4	2,820.26	1/4	2,455.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,317.99	1/2	4,062.23	1/2	3,791.31	1/2	3,511.82	1/2	3,177.20	1/2	2,812.66	1/2	2,448.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,312.78	3/4	4,056.72	3/4	3,785.54	3/4	3,505.99	3/4	3,169.61	3/4	2,805.07	3/4	2,440.53
9		9		9		9		9	4,307.56	9	4,051.20	9	3,779.78	9	3,500.15	9	3,162.01	9	2,797.47	9	2,432.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,302.35	1/4	4,045.69	1/4	3,774.01	1/4	3,494.32	1/4	3,154.42	1/4	2,789.88	1/4	2,425.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,297.11	1/2	4,040.14	1/2	3,768.22	1/2	3,488.49	1/2	3,146.83	1/2	2,782.28	1/2	2,417.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,291.88	3/4	4,034.59	3/4	3,762.44	3/4	3,482.65	3/4	3,139.23	3/4	2,774.69	3/4	2,410.15
10		10		10		10		10	4,286.65	10	4,029.04	10	3,756.65	10	3,476.82	10	3,131.64	10	2,767.10	10	2,402.55
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,281.41	1/4	4,023.48	1/4	3,750.86	1/4	3,470.98	1/4	3,124.04	1/4	2,759.50	1/4	2,394.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,276.16	1/2	4,017.91	1/2	3,745.06	1/2	3,465.15	1/2	3,116.45	1/2	2,751.91	1/2	2,387.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,270.91	3/4	4,012.34	3/4	3,739.25	3/4	3,459.31	3/4	3,108.85	3/4	2,744.31	3/4	2,379.77
11		11		11		11		11	4,265.65	11	4,006.77	11	3,733.44	11	3,453.48	11	3,101.26	11	2,736.72	11	2,372.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,260.40	1/4	4,001.19	1/4	3,727.64	1/4	3,447.65	1/4	3,093.66	1/4	2,729.12	1/4	2,364.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,255.13	1/2	3,995.60	1/2	3,721.81	1/2	3,441.81	1/2	3,086.07	1/2	2,721.53	1/2	2,356.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,249.85	3/4	3,990.01	3/4	3,715.99	3/4	3,435.98	3/4	3,078.47	3/4	2,713.93	3/4	2,349.39

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 28083"

## 3 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-06 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,341.80	0	1,977.26	0	1,612.70	0	1,252.03	0	888.40	0	524.01	0	159.42	0		0		0	
1/4	2,334.20	1/4	1,969.66	1/4	1,605.11	1/4	1,244.44	1/4	880.83	1/4	516.41	1/4	151.83	1/4		1/4		1/4	
1/2	2,326.61	1/2	1,962.07	1/2	1,597.51	1/2	1,236.84	1/2	873.26	1/2	508.82	1/2	144.55	1/2		1/2		1/2	
3/4	2,319.01	3/4	1,954.47	3/4	1,589.92	3/4	1,229.25	3/4	865.69	3/4	501.22	3/4	137.27	3/4		3/4		3/4	
1	2,311.42	1	1,946.88	1	1,582.32	1	1,221.65	1	858.13	1	493.63	1	129.99	1		1		1	
1/4	2,303.82	1/4	1,939.28	1/4	1,574.73	1/4	1,214.06	1/4	850.56	1/4	486.03	1/4	122.71	1/4		1/4		1/4	
1/2	2,296.23	1/2	1,931.69	1/2	1,567.13	1/2	1,206.46	1/2	842.98	1/2	478.44	1/2	116.38	1/2		1/2		1/2	
3/4	2,288.64	3/4	1,924.09	3/4	1,559.54	3/4	1,198.86	3/4	835.39	3/4	470.84	3/4	110.05	3/4		3/4		3/4	
2	2,281.04	2	1,916.50	2	1,551.95	2	1,191.27	2	827.81	2	463.25	2	103.72	2		2		2	
1/4	2,273.45	1/4	1,908.90	1/4	1,544.35	1/4	1,183.67	1/4	820.23	1/4	455.65	1/4	97.40	1/4		1/4		1/4	
1/2	2,265.85	1/2	1,901.31	1/2	1,536.76	1/2	1,176.08	1/2	812.63	1/2	448.05	1/2	92.34	1/2		1/2		1/2	
3/4	2,258.26	3/4	1,893.71	3/4	1,529.16	3/4	1,168.48	3/4	805.04	3/4	440.46	3/4	87.28	3/4		3/4		3/4	
3	2,250.66	3	1,886.12	3	1,521.57	3	1,160.89	3	797.44	3	432.86	3	82.22	3		3		3	
1/4	2,243.07	1/4	1,878.52	1/4	1,513.97	1/4	1,153.29	1/4	789.85	1/4	425.27	1/4	77.17	1/4		1/4		1/4	
1/2	2,235.47	1/2	1,870.93	1/2	1,506.38	1/2	1,145.71	1/2	782.25	1/2	417.67	1/2	73.39	1/2		1/2		1/2	
3/4	2,227.88	3/4	1,863.33	3/4	1,498.78	3/4	1,138.13	3/4	774.66	3/4	410.08	3/4	69.61	3/4		3/4		3/4	
4	2,220.28	4	1,855.74	4	1,491.19	4	1,130.54	4	767.06	4	402.48	4	65.83	4		4		4	
1/4	2,212.69	1/4	1,848.14	1/4	1,483.59	1/4	1,122.96	1/4	759.47	1/4	394.88	1/4	62.05	1/4		1/4		1/4	
1/2	2,205.09	1/2	1,840.55	1/2	1,476.08	1/2	1,115.39	1/2	751.87	1/2	387.29	1/2	59.55	1/2		1/2		1/2	
3/4	2,197.50	3/4	1,832.95	3/4	1,468.56	3/4	1,107.82	3/4	744.28	3/4	379.69	3/4	57.05	3/4		3/4		3/4	
5	2,189.91	5	1,825.36	5	1,461.05	5	1,100.26	5	736.68	5	372.10	5	54.56	5		5		5	
1/4	2,182.31	1/4	1,817.76	1/4	1,453.54	1/4	1,092.69	1/4	729.09	1/4	364.50	1/4	52.06	1/4		1/4		1/4	
1/2	2,174.72	1/2	1,810.17	1/2	1,446.10	1/2	1,085.12	1/2	721.49	1/2	356.91	1/2	50.86	1/2		1/2		1/2	
3/4	2,167.12	3/4	1,802.57	3/4	1,438.67	3/4	1,077.56	3/4	713.90	3/4	349.31	3/4	49.67	3/4		3/4		3/4	
6	2,159.53	6	1,794.98	6	1,431.24	6	1,069.99	6	706.30	6	341.72	6	48.47	6		6		6	
1/4	2,151.93	1/4	1,787.38	1/4	1,423.81	1/4	1,062.42	1/4	698.70	1/4	334.12	1/4	47.27	1/4		1/4		1/4	
1/2	2,144.34	1/2	1,779.79	1/2	1,416.37	1/2	1,054.86	1/2	691.11	1/2	326.52	1/2		1/2		1/2		1/2	
3/4	2,136.74	3/4	1,772.19	3/4	1,408.94	3/4	1,047.29	3/4	683.51	3/4	318.93	3/4		3/4		3/4		3/4	
7	2,129.15	7	1,764.60	7	1,401.51	7	1,039.72	7	675.92	7	311.33	7	7	7		7		7	
1/4	2,121.55	1/4	1,757.00	1/4	1,394.07	1/4	1,032.16	1/4	668.32	1/4	303.74	1/4		1/4		1/4		1/4	
1/2	2,113.96	1/2	1,749.41	1/2	1,386.64	1/2	1,024.59	1/2	660.73	1/2	296.14	1/2		1/2		1/2		1/2	
3/4	2,106.36	3/4	1,741.82	3/4	1,379.21	3/4	1,017.02	3/4	653.13	3/4	288.55	3/4		3/4		3/4		3/4	
8	2,098.77	8	1,734.22	8	1,371.78	8	1,009.46	8	645.54	8	280.95	8	8	8		8		8	
1/4	2,091.18	1/4	1,726.63	1/4	1,364.34	1/4	1,001.89	1/4	637.94	1/4	273.36	1/4		1/4		1/4		1/4	
1/2	2,083.58	1/2	1,719.03	1/2	1,356.91	1/2	994.33	1/2	630.35	1/2	265.76	1/2		1/2		1/2		1/2	
3/4	2,075.99	3/4	1,711.44	3/4	1,349.48	3/4	986.76	3/4	622.75	3/4	258.16	3/4		3/4		3/4		3/4	
9	2,068.39	9	1,703.84	9	1,342.04	9	979.19	9	615.16	9	250.57	9	9	9		9		9	
1/4	2,060.80	1/4	1,696.25	1/4	1,334.61	1/4	971.63	1/4	607.56	1/4	242.97	1/4		1/4		1/4		1/4	
1/2	2,053.20	1/2	1,688.65	1/2	1,327.18	1/2	964.06	1/2	599.97	1/2	235.38	1/2		1/2		1/2		1/2	
3/4	2,045.61	3/4	1,681.06	3/4	1,319.74	3/4	956.49	3/4	592.37	3/4	227.78	3/4		3/4		3/4		3/4	
10	2,038.01	10	1,673.46	10	1,312.31	10	948.93	10	584.78	10	220.19	10	10	10		10		10	
1/4	2,030.42	1/4	1,665.87	1/4	1,304.88	1/4	941.36	1/4	577.18	1/4	212.59	1/4		1/4		1/4		1/4	
1/2	2,022.82	1/2	1,658.27	1/2	1,297.36	1/2	933.80	1/2	569.58	1/2	204.99	1/2		1/2		1/2		1/2	
3/4	2,015.23	3/4	1,650.68	3/4	1,289.85	3/4	926.23	3/4	561.99	3/4	197.40	3/4		3/4		3/4		3/4	
11	2,007.64	11	1,643.08	11	1,282.33	11	918.66	11	554.39	11	189.80	11	11	11		11		11	
1/4	2,000.04	1/4	1,635.49	1/4	1,274.82	1/4	911.10	1/4	546.80	1/4	182.21	1/4		1/4		1/4		1/4	
1/2	1,992.45	1/2	1,627.89	1/2	1,267.22	1/2	903.53	1/2	539.20	1/2	174.61	1/2		1/2		1/2		1/2	
3/4	1,984.85	3/4	1,620.30	3/4	1,259.63	3/4	895.96	3/4	531.61	3/4	167.02	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/30/2006 CL - SW  
CALCULATED: 08/31/2006 CL  
PRINTED: 08/31/2006 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2006

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