



**\*KIRBY 28065\***



**\*Barge Strapping Tables\***





# BARGE "KIRBY 28065"

## 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	01-1/8	-01-1/8	01-5/8	-01-5/8	02-1/4	-02-1/4	02-3/4	-02-3/4	03-1/4	-03-1/4
1 STBD	00-1/2	-00-1/2	01-1/8	-01-1/8	01-5/8	-01-5/8	02-1/4	-02-1/4	02-3/4	-02-3/4	03-1/4	-03-1/4
2 PORT	00-1/2	-00-1/2	01-1/8	-01-1/8	01-5/8	-01-5/8	02-1/8	-02-1/8	02-3/4	-02-3/4	03-1/4	-03-1/4
2 STBD	00-1/2	-00-1/2	01-1/8	-01-1/8	01-5/8	-01-5/8	02-1/8	-02-1/8	02-3/4	-02-3/4	03-1/4	-03-1/4
3 PORT	00-1/2	-00-1/2	01-1/8	-01-1/8	01-5/8	-01-5/8	02-1/8	-02-1/8	02-3/4	-02-3/4	03-1/4	-03-1/4
3 STBD	00-1/2	-00-1/2	01-1/8	-01-1/8	01-5/8	-01-5/8	02-1/8	-02-1/8	02-3/4	-02-3/4	03-1/4	-03-1/4

(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 1 PORT IS -01-1/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-10 7/8"

LENGTH BETWEEN DRAFT MARKS: 241'-03"

September 1, 2004

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

<http://www.pmacorp.net>





# BARGE "KIRBY 28065"

## 1 PORT ULLAGE TABLE

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

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
N	h	N	h	N	h	N	h	N	h	N	h	N	h	N	h	N	h	N	h
0	2,368.83	0	2,002.85	0	1,636.87	0	1,271.53	0	907.59	0	542.03	0	194.74	0		0		0	
1/4	2,361.20	1/4	1,995.23	1/4	1,629.24	1/4	1,263.90	1/4	900.02	1/4	534.41	1/4	188.05	1/4		1/4		1/4	
1/2	2,353.58	1/2	1,987.61	1/2	1,621.62	1/2	1,256.28	1/2	892.45	1/2	526.78	1/2	181.35	1/2		1/2		1/2	
3/4	2,345.96	3/4	1,979.98	3/4	1,613.99	3/4	1,248.65	3/4	884.88	3/4	519.15	3/4	174.66	3/4		3/4		3/4	
1	2,338.33	1	1,972.36	1	1,606.37	1	1,241.03	1	877.31	1	511.53	1	167.97	1		1		1	
1 1/4	2,330.71	1 1/4	1,964.73	1 1/4	1,598.74	1 1/4	1,233.40	1 1/4	869.73	1 1/4	503.92	1 1/4	161.36	1 1/4		1 1/4		1 1/4	
1 1/2	2,323.08	1 1/2	1,957.11	1 1/2	1,591.12	1 1/2	1,225.78	1 1/2	862.15	1 1/2	496.32	1 1/2	154.76	1 1/2		1 1/2		1 1/2	
1 3/4	2,315.46	1 3/4	1,949.48	1 3/4	1,583.49	1 3/4	1,218.15	1 3/4	854.56	1 3/4	488.72	1 3/4	148.15	1 3/4		1 3/4		1 3/4	
2	2,307.83	2	1,941.86	2	1,575.87	2	1,210.53	2	846.98	2	481.11	2	141.55	2		2		2	
2 1/4	2,300.21	2 1/4	1,934.23	2 1/4	1,568.24	2 1/4	1,202.91	2 1/4	839.37	2 1/4	473.57	2 1/4	135.03	2 1/4		2 1/4		2 1/4	
2 1/2	2,292.58	2 1/2	1,926.61	2 1/2	1,560.62	2 1/2	1,195.30	2 1/2	831.76	2 1/2	466.03	2 1/2	128.52	2 1/2		2 1/2		2 1/2	
2 3/4	2,284.96	2 3/4	1,918.98	2 3/4	1,552.99	2 3/4	1,187.69	2 3/4	824.15	2 3/4	458.49	2 3/4	122.01	2 3/4		2 3/4		2 3/4	
3	2,277.34	3	1,911.36	3	1,545.37	3	1,180.08	3	816.54	3	450.95	3	115.49	3		3		3	
3 1/4	2,269.71	3 1/4	1,903.73	3 1/4	1,537.74	3 1/4	1,172.50	3 1/4	808.91	3 1/4	443.49	3 1/4	109.07	3 1/4		3 1/4		3 1/4	
3 1/2	2,262.09	3 1/2	1,896.11	3 1/2	1,530.12	3 1/2	1,164.92	3 1/2	801.29	3 1/2	436.04	3 1/2	102.66	3 1/2		3 1/2		3 1/2	
3 3/4	2,254.46	3 3/4	1,888.48	3 3/4	1,522.49	3 3/4	1,157.33	3 3/4	793.66	3 3/4	428.58	3 3/4	96.24	3 3/4		3 3/4		3 3/4	
4	2,246.84	4	1,880.86	4	1,514.87	4	1,149.75	4	786.04	4	421.12	4	89.82	4		4		4	
4 1/4	2,239.21	4 1/4	1,873.23	4 1/4	1,507.24	4 1/4	1,142.18	4 1/4	778.41	4 1/4	413.75	4 1/4	83.51	4 1/4		4 1/4		4 1/4	
4 1/2	2,231.59	4 1/2	1,865.61	4 1/2	1,499.62	4 1/2	1,134.61	4 1/2	770.79	4 1/2	406.38	4 1/2	77.20	4 1/2		4 1/2		4 1/2	
4 3/4	2,223.96	4 3/4	1,857.98	4 3/4	1,491.99	4 3/4	1,127.04	4 3/4	763.16	4 3/4	399.01	4 3/4	70.89	4 3/4		4 3/4		4 3/4	
5	2,216.34	5	1,850.36	5	1,484.37	5	1,119.47	5	755.54	5	391.64	5	64.58	5		5		5	
5 1/4	2,208.71	5 1/4	1,842.74	5 1/4	1,476.76	5 1/4	1,111.90	5 1/4	747.91	5 1/4	384.35	5 1/4	58.38	5 1/4		5 1/4		5 1/4	
5 1/2	2,201.09	5 1/2	1,835.11	5 1/2	1,469.15	5 1/2	1,104.34	5 1/2	740.29	5 1/2	377.07	5 1/2	52.19	5 1/2		5 1/2		5 1/2	
5 3/4	2,193.47	5 3/4	1,827.49	5 3/4	1,461.54	5 3/4	1,096.77	5 3/4	732.66	5 3/4	369.78	5 3/4	46.99	5 3/4		5 3/4		5 3/4	
6	2,185.84	6	1,819.86	6	1,453.93	6	1,089.20	6	725.04	6	362.49	6	39.80	6		6		6	
6 1/4	2,178.22	6 1/4	1,812.24	6 1/4	1,446.33	6 1/4	1,081.63	6 1/4	717.41	6 1/4	355.29	6 1/4	34.30	6 1/4		6 1/4		6 1/4	
6 1/2	2,170.59	6 1/2	1,804.61	6 1/2	1,438.73	6 1/2	1,074.07	6 1/2	709.79	6 1/2	348.09	6 1/2	28.80	6 1/2		6 1/2		6 1/2	
6 3/4	2,162.97	6 3/4	1,796.99	6 3/4	1,431.13	6 3/4	1,066.50	6 3/4	702.16	6 3/4	340.99	6 3/4	23.30	6 3/4		6 3/4		6 3/4	
7	2,155.34	7	1,789.36	7	1,423.54	7	1,058.93	7	694.54	7	333.69	7	17.81	7		7		7	
7 1/4	2,147.72	7 1/4	1,781.74	7 1/4	1,416.94	7 1/4	1,051.37	7 1/4	686.91	7 1/4	326.57	7 1/4	14.25	7 1/4		7 1/4		7 1/4	
7 1/2	2,140.09	7 1/2	1,774.11	7 1/2	1,409.34	7 1/2	1,043.80	7 1/2	679.29	7 1/2	319.45	7 1/2	10.69	7 1/2		7 1/2		7 1/2	
7 3/4	2,132.47	7 3/4	1,766.49	7 3/4	1,401.75	7 3/4	1,036.23	7 3/4	671.66	7 3/4	312.34	7 3/4	7.14	7 3/4		7 3/4		7 3/4	
8	2,124.85	8	1,758.86	8	1,393.15	8	1,028.66	8	664.04	8	305.22	8	3.58	8		8		8	
8 1/4	2,117.22	8 1/4	1,751.24	8 1/4	1,385.55	8 1/4	1,021.10	8 1/4	656.41	8 1/4	298.19	8 1/4		8 1/4		8 1/4		8 1/4	
8 1/2	2,109.59	8 1/2	1,743.61	8 1/2	1,377.95	8 1/2	1,013.53	8 1/2	648.79	8 1/2	291.15	8 1/2		8 1/2		8 1/2		8 1/2	
8 3/4	2,101.97	8 3/4	1,735.99	8 3/4	1,370.36	8 3/4	1,005.96	8 3/4	641.16	8 3/4	284.12	8 3/4		8 3/4		8 3/4		8 3/4	
9	2,094.35	9	1,728.36	9	1,362.76	9	998.40	9	633.54	9	277.09	9		9		9		9	
9 1/4	2,086.72	9 1/4	1,720.74	9 1/4	1,355.16	9 1/4	990.83	9 1/4	625.91	9 1/4	270.14	9 1/4		9 1/4		9 1/4		9 1/4	
9 1/2	2,079.10	9 1/2	1,713.11	9 1/2	1,347.56	9 1/2	983.26	9 1/2	618.29	9 1/2	263.20	9 1/2		9 1/2		9 1/2		9 1/2	
9 3/4	2,071.47	9 3/4	1,705.49	9 3/4	1,339.96	9 3/4	975.69	9 3/4	610.66	9 3/4	256.25	9 3/4		9 3/4		9 3/4		9 3/4	
10	2,063.85	10	1,697.86	10	1,332.37	10	968.13	10	603.03	10	249.30	10		10		10		10	
10 1/4	2,056.22	10 1/4	1,690.24	10 1/4	1,324.77	10 1/4	960.56	10 1/4	595.41	10 1/4	242.44	10 1/4		10 1/4		10 1/4		10 1/4	
10 1/2	2,048.59	10 1/2	1,682.61	10 1/2	1,317.17	10 1/2	952.99	10 1/2	587.78	10 1/2	235.58	10 1/2		10 1/2		10 1/2		10 1/2	
10 3/4	2,040.98	10 3/4	1,674.99	10 3/4	1,309.57	10 3/4	945.43	10 3/4	580.16	10 3/4	228.71	10 3/4		10 3/4		10 3/4		10 3/4	
11	2,033.35	11	1,667.36	11	1,301.98	11	937.86	11	572.53	11	221.85	11		11		11		11	
11 1/4	2,025.73	11 1/4	1,659.74	11 1/4	1,294.36	11 1/4	930.29	11 1/4	564.91	11 1/4	215.07	11 1/4		11 1/4		11 1/4		11 1/4	
11 1/2	2,018.10	11 1/2	1,652.12	11 1/2	1,286.75	11 1/2	922.73	11 1/2	557.28	11 1/2	208.30	11 1/2		11 1/2		11 1/2		11 1/2	
11 3/4	2,010.48	11 3/4	1,644.49	11 3/4	1,279.14	11 3/4	915.16	11 3/4	549.66	11 3/4	201.52	11 3/4		11 3/4		11 3/4		11 3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED: 06/30/2004 CL - SW  
CALCULATED: 09/01/2004 CL  
PRINTED: 09/01/2004 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2004

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



# BARGE "KIRBY 28065"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS		GAUGE HEIGHT 16'-07 3/4"													
IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.	N	0			
0	0	0	0	0	4,514.15	0	4,181.97	0	3,826.04	0	3,480.11	0	3,094.18	0	2,728.24
1/4	1/4	1/4	1/4	1/4	4,507.47	1/4	4,174.76	1/4	3,818.42	1/4	3,452.49	1/4	3,086.55	1/4	2,720.62
1/2	1/2	1/2	1/2	1/2	4,500.78	1/2	4,167.56	1/2	3,810.79	1/2	3,444.86	1/2	3,078.93	1/2	2,713.00
3/4	3/4	3/4	3/4	3/4	4,494.10	3/4	4,160.35	3/4	3,803.17	3/4	3,437.24	3/4	3,071.31	3/4	2,705.37
1	1	1	1	1	4,487.39	1	4,153.10	1	3,795.55	1	3,429.62	1	3,063.68	1	2,697.75
1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	4,480.67	1 1/4	4,145.86	1 1/4	3,787.92	1 1/4	3,421.99	1 1/4	3,056.06	1 1/4	2,690.13
1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	4,473.96	1 1/2	4,138.61	1 1/2	3,780.30	1 1/2	3,414.37	1 1/2	3,048.44	1 1/2	2,682.50
1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	4,467.24	1 3/4	4,131.37	1 3/4	3,772.68	1 3/4	3,406.74	1 3/4	3,040.81	1 3/4	2,674.88
2	2	2	2	2	4,460.49	2	4,124.08	2	3,765.05	2	3,399.12	2	3,033.19	2	2,667.26
2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	4,453.74	2 1/4	4,116.80	2 1/4	3,757.43	2 1/4	3,391.50	2 1/4	3,025.56	2 1/4	2,659.63
2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	4,446.99	2 1/2	4,109.52	2 1/2	3,749.81	2 1/2	3,383.87	2 1/2	3,017.94	2 1/2	2,652.01
2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	4,440.24	2 3/4	4,102.24	2 3/4	3,742.18	2 3/4	3,376.25	2 3/4	3,010.32	2 3/4	2,644.38
3	3	3	3	3	4,433.46	3	4,094.92	3	3,734.56	3	3,368.63	3	3,002.69	3	2,636.76
3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	4,426.67	3 1/4	4,087.60	3 1/4	3,726.94	3 1/4	3,361.00	3 1/4	2,995.07	3 1/4	2,629.14
3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	4,419.88	3 1/2	4,080.28	3 1/2	3,719.31	3 1/2	3,353.38	3 1/2	2,987.45	3 1/2	2,621.51
3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	4,413.10	3 3/4	4,072.97	3 3/4	3,711.69	3 3/4	3,345.76	3 3/4	2,979.82	3 3/4	2,613.89
4	4	4	4	4	4,406.27	4	4,065.62	4	3,704.07	4	3,338.13	4	2,972.20	4	2,606.27
4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4,399.45	4 1/4	4,058.27	4 1/4	3,696.44	4 1/4	3,330.51	4 1/4	2,964.58	4 1/4	2,598.64
4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4,392.62	4 1/2	4,050.92	4 1/2	3,688.82	4 1/2	3,322.89	4 1/2	2,956.95	4 1/2	2,591.02
4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4,385.80	4 3/4	4,043.57	4 3/4	3,681.19	4 3/4	3,315.26	4 3/4	2,949.33	4 3/4	2,583.40
5	5	5	5	5	4,378.94	5	4,036.18	5	3,673.57	5	3,307.64	5	2,941.71	5	2,575.77
5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	4,372.08	5 1/4	4,028.80	5 1/4	3,665.95	5 1/4	3,300.01	5 1/4	2,934.08	5 1/4	2,568.15
5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	4,365.21	5 1/2	4,021.41	5 1/2	3,658.32	5 1/2	3,292.39	5 1/2	2,926.46	5 1/2	2,560.53
5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	4,358.35	5 3/4	4,014.02	5 3/4	3,650.70	5 3/4	3,284.77	5 3/4	2,918.83	5 3/4	2,552.90
6	6	6	6	6	4,351.45	6	4,006.60	6	3,643.08	6	3,277.14	6	2,911.21	6	2,545.28
6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	4,344.55	6 1/4	3,999.18	6 1/4	3,635.45	6 1/4	3,269.52	6 1/4	2,903.59	6 1/4	2,537.65
6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	4,337.65	6 1/2	3,991.76	6 1/2	3,627.83	6 1/2	3,261.90	6 1/2	2,895.96	6 1/2	2,530.03
6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	4,330.76	6 3/4	3,984.33	6 3/4	3,620.21	6 3/4	3,254.27	6 3/4	2,888.34	6 3/4	2,522.41
7	7	7	7	7	4,323.80	7	3,976.87	7	3,612.58	7	3,246.65	7	2,880.72	7	2,514.78
7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	4,316.84	7 1/4	3,969.41	7 1/4	3,604.96	7 1/4	3,239.03	7 1/4	2,873.09	7 1/4	2,507.16
7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	4,309.88	7 1/2	3,961.95	7 1/2	3,597.33	7 1/2	3,231.40	7 1/2	2,865.47	7 1/2	2,499.54
7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	4,302.93	7 3/4	3,954.49	7 3/4	3,589.71	7 3/4	3,223.78	7 3/4	2,857.85	7 3/4	2,491.91
8	8	8	8	8	4,295.99	8	3,947.00	8	3,582.09	8	3,216.15	8	2,850.22	8	2,484.29
8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	4,288.85	8 1/4	3,939.50	8 1/4	3,574.46	8 1/4	3,208.53	8 1/4	2,842.60	8 1/4	2,476.67
8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	4,281.81	8 1/2	3,932.00	8 1/2	3,566.84	8 1/2	3,200.91	8 1/2	2,834.97	8 1/2	2,469.04
8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	4,274.78	8 3/4	3,924.50	8 3/4	3,559.22	8 3/4	3,193.28	8 3/4	2,827.35	8 3/4	2,461.42
9	9	9	9	9	4,267.68	9	3,916.97	9	3,551.59	9	3,185.66	9	2,819.73	9	2,453.79
9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	4,260.58	9 1/4	3,909.43	9 1/4	3,543.97	9 1/4	3,178.04	9 1/4	2,812.10	9 1/4	2,446.17
9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	4,253.49	9 1/2	3,901.90	9 1/2	3,536.35	9 1/2	3,170.41	9 1/2	2,804.48	9 1/2	2,438.55
9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	4,246.39	9 3/4	3,894.36	9 3/4	3,528.72	9 3/4	3,162.79	9 3/4	2,796.86	9 3/4	2,430.92
10	10	10	10	10	4,239.26	10	3,886.79	10	3,521.10	10	3,155.17	10	2,789.23	10	2,423.30
10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	4,232.13	10 1/4	3,879.22	10 1/4	3,513.48	10 1/4	3,147.54	10 1/4	2,781.61	10 1/4	2,415.68
10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	4,224.99	10 1/2	3,871.65	10 1/2	3,505.85	10 1/2	3,139.92	10 1/2	2,773.99	10 1/2	2,408.05
10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	4,217.86	10 3/4	3,864.08	10 3/4	3,498.23	10 3/4	3,132.30	10 3/4	2,766.36	10 3/4	2,400.43
11	11	11	11	11	4,210.69	11	3,856.47	11	3,490.60	11	3,124.67	11	2,758.74	11	2,392.81
11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	4,203.52	11 1/4	3,848.87	11 1/4	3,482.98	11 1/4	3,117.05	11 1/4	2,751.12	11 1/4	2,385.18
11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	4,196.35	11 1/2	3,841.26	11 1/2	3,475.36	11 1/2	3,109.42	11 1/2	2,743.49	11 1/2	2,377.56
11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	4,189.18	11 3/4	3,833.66	11 3/4	3,467.73	11 3/4	3,101.80	11 3/4	2,735.87	11 3/4	2,369.94

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

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

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API 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 OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE  
 GAUGE POINT (HERMETIC) LOCATED 17'-10" OFF CENTERLINE AND 54'-11" FORWARD OF AFT BULKHEAD



# BARGE "KIRBY 28065"

## 1 STBD ULLAGE TABLE

GAUGE HEIGHT 16'-07 3/4"

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

	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.										
0	2,362.31	0	1,996.38	0	1,630.43	0	1,265.48	0	900.17	0	534.33	0	188.02	0	0	0	0	0	0	0
1/4	2,354.69	1/4	1,988.76	1/4	1,622.81	1/4	1,257.82	1/4	892.57	1/4	526.71	1/4	181.33	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,347.06	1/2	1,981.13	1/2	1,615.19	1/2	1,249.89	1/2	884.97	1/2	519.08	1/2	174.64	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,339.44	3/4	1,973.51	3/4	1,607.56	3/4	1,242.27	3/4	877.38	3/4	511.46	3/4	167.94	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,331.82	1	1,965.89	1	1,599.94	1	1,234.64	1	869.77	1	503.86	1	161.34	1	1	1	1	1	1	1
1 1/4	2,324.19	1 1/4	1,958.26	1 1/4	1,592.31	1 1/4	1,227.02	1 1/4	862.15	1 1/4	496.25	1 1/4	154.73	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,316.57	1 1/2	1,950.64	1 1/2	1,584.69	1 1/2	1,219.39	1 1/2	854.54	1 1/2	488.65	1 1/2	148.13	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
1 3/4	2,308.95	1 3/4	1,943.01	1 3/4	1,577.07	1 3/4	1,211.77	1 3/4	846.93	1 3/4	481.05	1 3/4	141.53	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
2	2,301.32	2	1,935.39	2	1,569.44	2	1,204.14	2	839.31	2	473.51	2	135.01	2	2	2	2	2	2	2
2 1/4	2,293.70	2 1/4	1,927.77	2 1/4	1,561.82	2 1/4	1,196.52	2 1/4	831.68	2 1/4	465.97	2 1/4	128.50	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
2 1/2	2,286.08	2 1/2	1,920.14	2 1/2	1,554.20	2 1/2	1,188.90	2 1/2	824.06	2 1/2	458.43	2 1/2	121.99	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
2 3/4	2,278.45	2 3/4	1,912.52	2 3/4	1,546.57	2 3/4	1,181.27	2 3/4	816.43	2 3/4	450.89	2 3/4	115.47	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4
3	2,270.83	3	1,904.89	3	1,538.95	3	1,173.66	3	808.81	3	443.43	3	109.06	3	3	3	3	3	3	3
3 1/4	2,263.20	3 1/4	1,897.27	3 1/4	1,531.32	3 1/4	1,166.05	3 1/4	801.19	3 1/4	435.98	3 1/4	102.64	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4
3 1/2	2,255.58	3 1/2	1,889.65	3 1/2	1,523.70	3 1/2	1,158.44	3 1/2	793.56	3 1/2	428.52	3 1/2	96.23	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
3 3/4	2,247.96	3 3/4	1,882.02	3 3/4	1,516.08	3 3/4	1,150.82	3 3/4	785.94	3 3/4	421.07	3 3/4	89.81	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4
4	2,240.33	4	1,874.40	4	1,508.45	4	1,143.23	4	778.31	4	413.70	4	83.50	4	4	4	4	4	4	4
4 1/4	2,232.71	4 1/4	1,866.77	4 1/4	1,500.83	4 1/4	1,135.63	4 1/4	770.69	4 1/4	406.33	4 1/4	77.19	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4
4 1/2	2,225.09	4 1/2	1,859.15	4 1/2	1,493.20	4 1/2	1,128.03	4 1/2	763.06	4 1/2	398.96	4 1/2	70.88	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2
4 3/4	2,217.46	4 3/4	1,851.53	4 3/4	1,485.58	4 3/4	1,120.43	4 3/4	755.44	4 3/4	391.59	4 3/4	64.56	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4
5	2,209.84	5	1,843.90	5	1,477.97	5	1,112.84	5	747.82	5	384.30	5	58.37	5	5	5	5	5	5	5
5 1/4	2,202.22	5 1/4	1,836.28	5 1/4	1,470.36	5 1/4	1,105.24	5 1/4	740.19	5 1/4	377.01	5 1/4	52.18	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4
5 1/2	2,194.59	5 1/2	1,828.66	5 1/2	1,462.75	5 1/2	1,097.65	5 1/2	732.57	5 1/2	369.73	5 1/2	45.99	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2
5 3/4	2,186.97	5 3/4	1,821.03	5 3/4	1,455.14	5 3/4	1,090.05	5 3/4	724.94	5 3/4	362.44	5 3/4	39.79	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4
6	2,179.35	6	1,813.41	6	1,447.54	6	1,082.46	6	717.32	6	355.24	6	34.30	6	6	6	6	6	6	6
6 1/4	2,171.72	6 1/4	1,805.78	6 1/4	1,439.95	6 1/4	1,074.86	6 1/4	709.70	6 1/4	348.04	6 1/4	28.80	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4
6 1/2	2,164.10	6 1/2	1,798.16	6 1/2	1,432.35	6 1/2	1,067.27	6 1/2	702.07	6 1/2	340.84	6 1/2	23.30	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2
6 3/4	2,156.47	6 3/4	1,790.54	6 3/4	1,424.75	6 3/4	1,059.67	6 3/4	694.45	6 3/4	333.64	6 3/4	17.80	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4
7	2,148.85	7	1,782.91	7	1,417.16	7	1,052.08	7	686.82	7	326.52	7	14.25	7	7	7	7	7	7	7
7 1/4	2,141.23	7 1/4	1,775.29	7 1/4	1,409.56	7 1/4	1,044.48	7 1/4	679.20	7 1/4	319.41	7 1/4	10.69	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4
7 1/2	2,133.60	7 1/2	1,767.66	7 1/2	1,401.97	7 1/2	1,036.89	7 1/2	671.57	7 1/2	312.29	7 1/2	7.14	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2
7 3/4	2,125.98	7 3/4	1,760.04	7 3/4	1,394.37	7 3/4	1,029.29	7 3/4	663.95	7 3/4	305.18	7 3/4	3.58	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4
8	2,118.36	8	1,752.42	8	1,386.77	8	1,021.70	8	656.33	8	298.14	8	0	8	8	8	8	8	8	8
8 1/4	2,110.73	8 1/4	1,744.79	8 1/4	1,379.18	8 1/4	1,014.10	8 1/4	648.70	8 1/4	291.11	8 1/4	0	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4
8 1/2	2,103.11	8 1/2	1,737.17	8 1/2	1,371.58	8 1/2	1,006.51	8 1/2	641.08	8 1/2	284.08	8 1/2	0	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2
8 3/4	2,095.49	8 3/4	1,729.54	8 3/4	1,363.98	8 3/4	998.91	8 3/4	633.45	8 3/4	277.05	8 3/4	0	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4
9	2,087.86	9	1,721.92	9	1,356.39	9	991.31	9	625.83	9	270.10	9	0	9	9	9	9	9	9	9
9 1/4	2,080.24	9 1/4	1,714.30	9 1/4	1,348.79	9 1/4	983.72	9 1/4	618.20	9 1/4	263.16	9 1/4	0	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4
9 1/2	2,072.61	9 1/2	1,706.67	9 1/2	1,341.19	9 1/2	976.12	9 1/2	610.58	9 1/2	256.21	9 1/2	0	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2
9 3/4	2,064.99	9 3/4	1,699.05	9 3/4	1,333.60	9 3/4	968.53	9 3/4	602.96	9 3/4	249.27	9 3/4	0	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4
10	2,057.37	10	1,691.43	10	1,326.00	10	960.93	10	595.33	10	242.40	10	0	10	10	10	10	10	10	10
10 1/4	2,049.74	10 1/4	1,683.80	10 1/4	1,318.40	10 1/4	953.34	10 1/4	587.71	10 1/4	235.54	10 1/4	0	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4
10 1/2	2,042.12	10 1/2	1,676.18	10 1/2	1,310.80	10 1/2	945.74	10 1/2	580.08	10 1/2	228.68	10 1/2	0	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2
10 3/4	2,034.50	10 3/4	1,668.55	10 3/4	1,303.21	10 3/4	938.15	10 3/4	572.46	10 3/4	221.82	10 3/4	0	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4
11	2,026.87	11	1,660.93	11	1,295.60	11	930.55	11	564.83	11	215.04	11	0	11	11	11	11	11	11	11
11 1/4	2,019.25	11 1/4	1,653.31	11 1/4	1,287.99	11 1/4	922.96	11 1/4	557.21	11 1/4	208.26	11 1/4	0	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4
11 1/2	2,011.63	11 1/2	1,645.68	11 1/2	1,280.38	11 1/2	915.36	11 1/2	549.58	11 1/2	201.49	11 1/2	0	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2
11 3/4	2,004.00	11 3/4	1,638.06	11 3/4	1,272.76	11 3/4	907.77	11 3/4	541.96	11 3/4	194.71	11 3/4	0	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED: 08/30/2004 CL - SW  
CALCULATED: 09/01/2004 CL  
PRINTED: 09/01/2004 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2004

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77584  
http://www.dmacord.net



# BARGE "KIRBY 28065"

# 2 PORT ULLAGE TABLE

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

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4
3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4
4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2
4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4
5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2
5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4
6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2
6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4
7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2
7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4
8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2
8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4
9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2
9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4
10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2
10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4
11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2
11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API 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 OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT (HERMETIC) LOCATED 12'-10" OFF CENTERLINE AND 54'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "KIRBY 28065"

## 2 PORT 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.
0	2,023.28	0	1,300.39	0	590.37	0	226.95	0	0
1/4	2,379.09	1/4	1,652.33	1/4	942.81	1/4	219.38	1/4	1/4
1/2	2,371.51	1/2	1,644.76	1/2	935.57	1/2	211.81	1/2	1/2
3/4	2,363.94	3/4	1,637.19	3/4	928.31	3/4	204.24	3/4	3/4
1	2,356.37	1	1,629.62	1	921.06	1	196.67	1	1
1 1/4	2,348.80	1 1/4	1,622.05	1 1/4	913.80	1 1/4	189.10	1 1/4	1 1/4
1 1/2	2,341.23	1 1/2	1,614.47	1 1/2	906.54	1 1/2	181.53	1 1/2	1 1/2
1 3/4	2,333.66	1 3/4	1,606.90	1 3/4	899.27	1 3/4	173.97	1 3/4	1 3/4
2	2,326.09	2	1,599.33	2	892.00	2	166.41	2	2
2 1/4	2,318.52	2 1/4	1,591.76	2 1/4	884.73	2 1/4	158.85	2 1/4	2 1/4
2 1/2	2,310.95	2 1/2	1,584.19	2 1/2	877.46	2 1/2	151.29	2 1/2	2 1/2
2 3/4	2,303.38	2 3/4	1,576.62	2 3/4	870.19	2 3/4	143.74	2 3/4	2 3/4
3	2,295.81	3	1,569.05	3	862.62	3	136.19	3	3
3 1/4	2,288.24	3 1/4	1,561.48	3 1/4	855.20	3 1/4	128.64	3 1/4	3 1/4
3 1/2	2,280.67	3 1/2	1,553.91	3 1/2	847.78	3 1/2	121.09	3 1/2	3 1/2
3 3/4	2,273.10	3 3/4	1,546.42	3 3/4	840.21	3 3/4	113.56	3 3/4	3 3/4
4	2,265.53	4	1,538.93	4	832.64	4	106.03	4	4
4 1/4	2,257.96	4 1/4	1,531.44	4 1/4	825.07	4 1/4	98.50	4 1/4	4 1/4
4 1/2	2,250.39	4 1/2	1,523.95	4 1/2	817.50	4 1/2	90.97	4 1/2	4 1/2
4 3/4	2,242.82	4 3/4	1,516.44	4 3/4	810.00	4 3/4	83.47	4 3/4	4 3/4
5	2,235.25	5	1,509.14	5	802.36	5	75.98	5	5
5 1/4	2,227.68	5 1/4	1,501.73	5 1/4	794.79	5 1/4	68.48	5 1/4	5 1/4
5 1/2	2,220.11	5 1/2	1,494.32	5 1/2	787.22	5 1/2	60.98	5 1/2	5 1/2
5 3/4	2,212.54	5 3/4	1,486.91	5 3/4	779.65	5 3/4	54.09	5 3/4	5 3/4
6	2,204.97	6	1,479.50	6	772.07	6	47.20	6	6
6 1/4	2,197.40	6 1/4	1,472.09	6 1/4	764.50	6 1/4	40.31	6 1/4	6 1/4
6 1/2	2,189.83	6 1/2	1,464.68	6 1/2	756.93	6 1/2	33.42	6 1/2	6 1/2
6 3/4	2,182.26	6 3/4	1,457.28	6 3/4	749.36	6 3/4	28.38	6 3/4	6 3/4
7	2,174.69	7	1,449.87	7	741.79	7	23.33	7	7
7 1/4	2,167.12	7 1/4	1,442.46	7 1/4	734.22	7 1/4	18.29	7 1/4	7 1/4
7 1/2	2,159.55	7 1/2	1,435.05	7 1/2	726.65	7 1/2	13.24	7 1/2	7 1/2
7 3/4	2,151.98	7 3/4	1,427.64	7 3/4	719.08	7 3/4	8.20	7 3/4	7 3/4
8	2,144.41	8	1,420.23	8	711.51	8	3.16	8	8
8 1/4	2,136.84	8 1/4	1,412.82	8 1/4	703.94	8 1/4	0.00	8 1/4	8 1/4
8 1/2	2,129.27	8 1/2	1,405.42	8 1/2	696.37	8 1/2	0.00	8 1/2	8 1/2
8 3/4	2,121.70	8 3/4	1,398.01	8 3/4	688.79	8 3/4	0.00	8 3/4	8 3/4
9	2,114.12	9	1,390.60	9	681.22	9	0.00	9	9
9 1/4	2,106.55	9 1/4	1,383.19	9 1/4	673.65	9 1/4	0.00	9 1/4	9 1/4
9 1/2	2,098.98	9 1/2	1,375.78	9 1/2	666.08	9 1/2	0.00	9 1/2	9 1/2
9 3/4	2,091.41	9 3/4	1,368.37	9 3/4	658.51	9 3/4	0.00	9 3/4	9 3/4
10	2,083.84	10	1,360.96	10	650.94	10	0.00	10	10
10 1/4	2,076.27	10 1/4	1,353.55	10 1/4	643.37	10 1/4	0.00	10 1/4	10 1/4
10 1/2	2,068.70	10 1/2	1,346.14	10 1/2	635.79	10 1/2	0.00	10 1/2	10 1/2
10 3/4	2,061.13	10 3/4	1,338.73	10 3/4	628.22	10 3/4	0.00	10 3/4	10 3/4
11	2,053.56	11	1,331.32	11	620.65	11	0.00	11	11
11 1/4	2,045.99	11 1/4	1,323.91	11 1/4	613.08	11 1/4	0.00	11 1/4	11 1/4
11 1/2	2,038.42	11 1/2	1,316.50	11 1/2	605.51	11 1/2	0.00	11 1/2	11 1/2
11 3/4	2,030.85	11 3/4	1,309.09	11 3/4	597.94	11 3/4	0.00	11 3/4	11 3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED 08J02004 CL - SW  
CALCULATED: 09/01/2004 CL  
PRINTED: 09/01/2004 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2004

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77568  
<http://www.pmacorp.net>







# BARGE "KIRBY 28065"

## 2 STBD

### ULLAGE TABLE

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

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W
0	2,418.32	0	2,054.82	0	1,691.30	0	1,331.67	0	969.10	0	605.73	0	242.18	0		0		0	
1/4	2,410.75	1/4	2,047.24	1/4	1,683.73	1/4	1,324.10	1/4	961.56	1/4	598.16	1/4	234.60	1/4		1/4		1/4	
1/2	2,403.17	1/2	2,039.67	1/2	1,676.16	1/2	1,316.52	1/2	954.01	1/2	590.58	1/2	227.03	1/2		1/2		1/2	
3/4	2,395.60	3/4	2,032.10	3/4	1,668.58	3/4	1,308.95	3/4	946.46	3/4	583.01	3/4	219.46	3/4		3/4		3/4	
1	2,388.03	1	2,024.53	1	1,661.01	1	1,301.38	1	938.92	1	575.43	1	211.88	1		1		1	
1 1/4	2,380.46	1 1/4	2,016.95	1 1/4	1,653.44	1 1/4	1,293.80	1 1/4	931.36	1 1/4	567.86	1 1/4	204.31	1 1/4		1 1/4		1 1/4	
1 1/2	2,372.88	1 1/2	2,009.38	1 1/2	1,645.87	1 1/2	1,286.23	1 1/2	923.80	1 1/2	560.29	1 1/2	196.74	1 1/2		1 1/2		1 1/2	
3/4	2,365.31	3/4	2,001.81	3/4	1,638.29	3/4	1,278.65	3/4	916.23	3/4	552.71	3/4	189.17	3/4		3/4		3/4	
2	2,357.74	2	1,994.23	2	1,630.72	2	1,271.08	2	908.67	2	545.14	2	181.60	2		2		2	
2 1/4	2,350.16	2 1/4	1,986.66	2 1/4	1,623.15	2 1/4	1,263.51	2 1/4	901.10	2 1/4	537.56	2 1/4	174.03	2 1/4		2 1/4		2 1/4	
2 1/2	2,342.59	2 1/2	1,979.09	2 1/2	1,615.57	2 1/2	1,255.93	2 1/2	893.53	2 1/2	529.99	2 1/2	166.47	2 1/2		2 1/2		2 1/2	
3 1/4	2,335.02	3 1/4	1,971.51	3 1/4	1,608.00	3 1/4	1,248.36	3 1/4	885.95	3 1/4	522.42	3 1/4	158.91	3 1/4		3 1/4		3 1/4	
3 1/2	2,327.44	3 1/2	1,963.94	3 1/2	1,600.43	3 1/2	1,240.78	3 1/2	878.38	3 1/2	514.84	3 1/2	151.34	3 1/2		3 1/2		3 1/2	
4	2,319.87	4	1,956.37	4	1,592.85	4	1,233.22	4	870.81	4	507.27	4	143.79	4		4		4	
4 1/4	2,312.30	4 1/4	1,948.79	4 1/4	1,585.28	4 1/4	1,225.66	4 1/4	863.23	4 1/4	499.69	4 1/4	136.24	4 1/4		4 1/4		4 1/4	
4 1/2	2,304.73	4 1/2	1,941.22	4 1/2	1,577.71	4 1/2	1,218.10	4 1/2	855.66	4 1/2	492.12	4 1/2	128.68	4 1/2		4 1/2		4 1/2	
5	2,297.15	5	1,933.65	5	1,570.13	5	1,210.54	5	848.08	5	484.55	5	121.13	5		5		5	
5 1/4	2,289.58	5 1/4	1,926.07	5 1/4	1,562.56	5 1/4	1,202.99	5 1/4	840.51	5 1/4	476.97	5 1/4	113.60	5 1/4		5 1/4		5 1/4	
5 1/2	2,282.01	5 1/2	1,918.50	5 1/2	1,555.00	5 1/2	1,195.45	5 1/2	832.94	5 1/2	469.40	5 1/2	106.07	5 1/2		5 1/2		5 1/2	
6	2,274.43	6	1,910.93	6	1,547.46	6	1,187.90	6	825.36	6	461.82	6	98.53	6		6		6	
6 1/4	2,266.86	6 1/4	1,903.35	6 1/4	1,540.16	6 1/4	1,180.36	6 1/4	817.79	6 1/4	454.25	6 1/4	91.00	6 1/4		6 1/4		6 1/4	
6 1/2	2,259.29	6 1/2	1,895.78	6 1/2	1,532.75	6 1/2	1,172.81	6 1/2	810.22	6 1/2	446.68	6 1/2	83.50	6 1/2		6 1/2		6 1/2	
7	2,251.71	7	1,888.21	7	1,525.34	7	1,165.27	7	802.64	7	439.10	7	76.00	7		7		7	
7 1/4	2,244.14	7 1/4	1,880.63	7 1/4	1,517.93	7 1/4	1,157.72	7 1/4	795.07	7 1/4	431.53	7 1/4	68.50	7 1/4		7 1/4		7 1/4	
7 1/2	2,236.57	7 1/2	1,873.06	7 1/2	1,510.52	7 1/2	1,150.18	7 1/2	787.50	7 1/2	423.95	7 1/2	61.01	7 1/2		7 1/2		7 1/2	
8	2,229.00	8	1,865.49	8	1,503.11	8	1,142.63	8	779.92	8	416.38	8	54.11	8		8		8	
8 1/4	2,221.42	8 1/4	1,857.91	8 1/4	1,495.70	8 1/4	1,135.09	8 1/4	772.35	8 1/4	408.81	8 1/4	47.22	8 1/4		8 1/4		8 1/4	
8 1/2	2,213.85	8 1/2	1,850.34	8 1/2	1,488.29	8 1/2	1,127.54	8 1/2	764.78	8 1/2	401.23	8 1/2	40.33	8 1/2		8 1/2		8 1/2	
9	2,206.28	9	1,842.77	9	1,480.87	9	1,120.00	9	757.20	9	393.66	9	33.43	9		9		9	
9 1/4	2,198.70	9 1/4	1,835.20	9 1/4	1,473.46	9 1/4	1,112.45	9 1/4	749.63	9 1/4	386.08	9 1/4	28.39	9 1/4		9 1/4		9 1/4	
9 1/2	2,191.13	9 1/2	1,827.62	9 1/2	1,466.05	9 1/2	1,104.91	9 1/2	742.06	9 1/2	378.51	9 1/2	23.34	9 1/2		9 1/2		9 1/2	
10	2,183.56	10	1,820.05	10	1,458.64	10	1,097.36	10	734.48	10	370.94	10	18.29	10		10		10	
10 1/4	2,175.98	10 1/4	1,812.48	10 1/4	1,451.23	10 1/4	1,089.82	10 1/4	726.91	10 1/4	363.36	10 1/4	13.25	10 1/4		10 1/4		10 1/4	
10 1/2	2,168.41	10 1/2	1,804.90	10 1/2	1,443.82	10 1/2	1,082.27	10 1/2	719.34	10 1/2	355.79	10 1/2		10 1/2		10 1/2		10 1/2	
11	2,160.84	11	1,797.33	11	1,436.41	11	1,074.73	11	711.76	11	348.21	11		11		11		11	
11 1/4	2,153.27	11 1/4	1,789.76	11 1/4	1,429.00	11 1/4	1,067.18	11 1/4	704.19	11 1/4	340.64	11 1/4		11 1/4		11 1/4		11 1/4	
11 1/2	2,145.69	11 1/2	1,782.18	11 1/2	1,421.58	11 1/2	1,059.64	11 1/2	696.61	11 1/2	333.07	11 1/2		11 1/2		11 1/2		11 1/2	
12	2,138.12	12	1,774.61	12	1,414.17	12	1,052.10	12	689.04	12	325.49	12		12		12		12	
12 1/4	2,130.55	12 1/4	1,767.04	12 1/4	1,406.76	12 1/4	1,044.55	12 1/4	681.47	12 1/4	317.92	12 1/4		12 1/4		12 1/4		12 1/4	
12 1/2	2,122.97	12 1/2	1,759.46	12 1/2	1,399.35	12 1/2	1,037.01	12 1/2	673.90	12 1/2	310.34	12 1/2		12 1/2		12 1/2		12 1/2	
13	2,115.40	13	1,751.89	13	1,391.94	13	1,029.46	13	666.32	13	302.77	13		13		13		13	
13 1/4	2,107.83	13 1/4	1,744.32	13 1/4	1,384.44	13 1/4	1,021.92	13 1/4	658.75	13 1/4	295.20	13 1/4		13 1/4		13 1/4		13 1/4	
13 1/2	2,100.25	13 1/2	1,736.95	13 1/2	1,376.95	13 1/2	1,014.37	13 1/2	651.17	13 1/2	287.62	13 1/2		13 1/2		13 1/2		13 1/2	
14	2,092.68	14	1,729.17	14	1,369.46	14	1,006.83	14	643.60	14	280.05	14		14		14		14	
14 1/4	2,085.11	14 1/4	1,721.60	14 1/4	1,361.97	14 1/4	999.28	14 1/4	636.03	14 1/4	272.47	14 1/4		14 1/4		14 1/4		14 1/4	
14 1/2	2,077.54	14 1/2	1,714.02	14 1/2	1,354.39	14 1/2	991.74	14 1/2	628.45	14 1/2	264.90	14 1/2		14 1/2		14 1/2		14 1/2	
15	2,069.96	15	1,706.45	15	1,346.82	15	984.19	15	620.88	15	257.33	15		15		15		15	
15 1/4	2,062.39	15 1/4	1,698.88	15 1/4	1,339.25	15 1/4	976.55	15 1/4	613.30	15 1/4	249.75	15 1/4		15 1/4		15 1/4		15 1/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED 08/20/2004 CL - SW  
CALCULATED: 09/01/2004 CL  
PRINTED: 09/01/2004 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2004

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "KIRBY 28065"

## 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.	
H	N	H	N	H	N	H	N	H	N	H	N	H	N	H	N	H	N	H	N
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4
3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4
4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2
4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4
5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2
5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4
6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2
6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4
7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2
7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4
8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2
8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4
9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2
9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4
10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2
10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4
11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2
11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4	12 1/4
12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2
12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4	12 3/4

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API 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 OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE  
GAUGE POINT: (HERMETIC) LOCATED 17'-10" OFF CENTERLINE AND 54'-06" FORWARD OF AFT BULKHEAD

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P O Box 2092  
Pasland, Texas 77548  
<http://www.pmacorp.net>



# BARGE "KIRBY 28065"

## 3 PORT ULLAGE TABLE

GAUGE HEIGHT 16'-06 1/4"

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.		
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
0	2,317.68	0	1,954.66	0	1,591.67	0	1,233.17	0	878.84	0	523.20	0	159.18	0	0	0	0	0	0	0	0	0
1/4	2,310.12	1/4	1,947.10	1/4	1,584.12	1/4	1,225.62	1/4	871.49	1/4	515.62	1/4	151.59	1/4	0	0	0	0	0	0	0	0
1/2	2,302.56	1/2	1,939.54	1/2	1,576.58	1/2	1,218.07	1/2	864.15	1/2	508.03	1/2	144.32	1/2	0	0	0	0	0	0	0	0
3/4	2,294.99	3/4	1,931.97	3/4	1,569.04	3/4	1,210.52	3/4	856.80	3/4	500.45	3/4	137.06	3/4	0	0	0	0	0	0	0	0
1	2,287.43	1	1,924.41	1	1,561.50	1	1,202.98	1	849.45	1	492.87	1	129.79	1	0	0	0	0	0	0	0	0
1 1/4	2,279.87	1 1/4	1,916.85	1 1/4	1,553.96	1 1/4	1,195.43	1 1/4	842.11	1 1/4	485.28	1 1/4	122.52	1 1/4	0	0	0	0	0	0	0	0
1 1/2	2,272.30	1 1/2	1,909.28	1 1/2	1,546.42	1 1/2	1,187.88	1 1/2	834.75	1 1/2	477.70	1 1/2	116.20	1 1/2	0	0	0	0	0	0	0	0
1 3/4	2,264.74	1 3/4	1,901.72	1 3/4	1,538.88	1 3/4	1,180.33	1 3/4	827.39	1 3/4	470.12	1 3/4	109.88	1 3/4	0	0	0	0	0	0	0	0
2	2,257.18	2	1,894.16	2	1,531.34	2	1,172.79	2	820.02	2	462.53	2	103.56	2	0	0	0	0	0	0	0	0
2 1/4	2,249.62	2 1/4	1,886.59	2 1/4	1,523.80	2 1/4	1,165.24	2 1/4	812.66	2 1/4	454.95	2 1/4	97.25	2 1/4	0	0	0	0	0	0	0	0
2 1/2	2,242.05	2 1/2	1,879.03	2 1/2	1,516.26	2 1/2	1,157.79	2 1/2	805.29	2 1/2	447.36	2 1/2	92.20	2 1/2	0	0	0	0	0	0	0	0
2 3/4	2,234.49	2 3/4	1,871.47	2 3/4	1,508.72	2 3/4	1,150.35	2 3/4	797.92	2 3/4	439.78	2 3/4	87.15	2 3/4	0	0	0	0	0	0	0	0
3	2,226.93	3	1,863.90	3	1,501.18	3	1,142.91	3	790.54	3	432.20	3	82.10	3	0	0	0	0	0	0	0	0
3 1/4	2,219.36	3 1/4	1,856.34	3 1/4	1,493.64	3 1/4	1,135.47	3 1/4	783.17	3 1/4	424.61	3 1/4	77.05	3 1/4	0	0	0	0	0	0	0	0
3 1/2	2,211.80	3 1/2	1,848.78	3 1/2	1,486.10	3 1/2	1,128.13	3 1/2	775.80	3 1/2	417.03	3 1/2	73.27	3 1/2	0	0	0	0	0	0	0	0
3 3/4	2,204.24	3 3/4	1,841.21	3 3/4	1,478.56	3 3/4	1,120.80	3 3/4	768.42	3 3/4	409.44	3 3/4	69.50	3 3/4	0	0	0	0	0	0	0	0
4	2,196.67	4	1,833.65	4	1,471.02	4	1,113.46	4	761.05	4	401.86	4	66.72	4	0	0	0	0	0	0	0	0
4 1/4	2,189.11	4 1/4	1,826.09	4 1/4	1,463.48	4 1/4	1,106.13	4 1/4	753.68	4 1/4	394.28	4 1/4	61.95	4 1/4	0	0	0	0	0	0	0	0
4 1/2	2,181.55	4 1/2	1,818.53	4 1/2	1,456.02	4 1/2	1,098.80	4 1/2	746.30	4 1/2	386.69	4 1/2	59.46	4 1/2	0	0	0	0	0	0	0	0
4 3/4	2,173.99	4 3/4	1,810.96	4 3/4	1,448.56	4 3/4	1,091.47	4 3/4	738.93	4 3/4	379.11	4 3/4	56.97	4 3/4	0	0	0	0	0	0	0	0
5	2,166.42	5	1,803.40	5	1,441.10	5	1,084.15	5	731.56	5	371.52	5	54.47	5	0	0	0	0	0	0	0	0
5 1/4	2,158.86	5 1/4	1,795.84	5 1/4	1,433.65	5 1/4	1,076.82	5 1/4	724.18	5 1/4	363.94	5 1/4	51.98	5 1/4	0	0	0	0	0	0	0	0
5 1/2	2,151.30	5 1/2	1,788.27	5 1/2	1,426.26	5 1/2	1,069.49	5 1/2	716.81	5 1/2	356.36	5 1/2	50.78	5 1/2	0	0	0	0	0	0	0	0
5 3/4	2,143.73	5 3/4	1,780.71	5 3/4	1,418.87	5 3/4	1,062.16	5 3/4	709.43	5 3/4	348.77	5 3/4	49.69	5 3/4	0	0	0	0	0	0	0	0
6	2,136.17	6	1,773.15	6	1,411.48	6	1,054.84	6	702.06	6	341.19	6	48.39	6	0	0	0	0	0	0	0	0
6 1/4	2,128.61	6 1/4	1,765.58	6 1/4	1,404.09	6 1/4	1,047.51	6 1/4	694.69	6 1/4	333.61	6 1/4	47.20	6 1/4	0	0	0	0	0	0	0	0
6 1/2	2,121.05	6 1/2	1,758.02	6 1/2	1,396.68	6 1/2	1,040.18	6 1/2	687.31	6 1/2	326.02	6 1/2	46.00	6 1/2	0	0	0	0	0	0	0	0
6 3/4	2,113.48	6 3/4	1,750.46	6 3/4	1,389.28	6 3/4	1,032.86	6 3/4	679.94	6 3/4	318.44	6 3/4	44.80	6 3/4	0	0	0	0	0	0	0	0
7	2,105.92	7	1,742.89	7	1,381.88	7	1,025.53	7	672.57	7	310.85	7	43.60	7	0	0	0	0	0	0	0	0
7 1/4	2,098.36	7 1/4	1,735.33	7 1/4	1,374.48	7 1/4	1,018.21	7 1/4	665.19	7 1/4	303.27	7 1/4	42.40	7 1/4	0	0	0	0	0	0	0	0
7 1/2	2,090.79	7 1/2	1,727.77	7 1/2	1,367.07	7 1/2	1,010.88	7 1/2	657.82	7 1/2	295.69	7 1/2	41.20	7 1/2	0	0	0	0	0	0	0	0
7 3/4	2,083.23	7 3/4	1,720.20	7 3/4	1,359.67	7 3/4	1,003.55	7 3/4	650.45	7 3/4	288.10	7 3/4	40.00	7 3/4	0	0	0	0	0	0	0	0
8	2,075.67	8	1,712.64	8	1,352.27	8	996.23	8	643.07	8	280.52	8	38.80	8	0	0	0	0	0	0	0	0
8 1/4	2,068.11	8 1/4	1,705.08	8 1/4	1,344.87	8 1/4	988.90	8 1/4	635.70	8 1/4	272.93	8 1/4	37.60	8 1/4	0	0	0	0	0	0	0	0
8 1/2	2,060.54	8 1/2	1,697.52	8 1/2	1,337.46	8 1/2	981.57	8 1/2	628.33	8 1/2	265.35	8 1/2	36.40	8 1/2	0	0	0	0	0	0	0	0
8 3/4	2,052.98	8 3/4	1,689.95	8 3/4	1,330.06	8 3/4	974.25	8 3/4	620.95	8 3/4	257.77	8 3/4	35.20	8 3/4	0	0	0	0	0	0	0	0
9	2,045.42	9	1,682.39	9	1,322.66	9	966.92	9	613.58	9	250.18	9	34.00	9	0	0	0	0	0	0	0	0
9 1/4	2,037.85	9 1/4	1,674.83	9 1/4	1,315.26	9 1/4	959.59	9 1/4	606.21	9 1/4	242.60	9 1/4	32.80	9 1/4	0	0	0	0	0	0	0	0
9 1/2	2,030.29	9 1/2	1,667.26	9 1/2	1,307.86	9 1/2	952.26	9 1/2	598.73	9 1/2	235.01	9 1/2	31.60	9 1/2	0	0	0	0	0	0	0	0
9 3/4	2,022.73	9 3/4	1,659.70	9 3/4	1,300.47	9 3/4	944.92	9 3/4	591.25	9 3/4	227.43	9 3/4	30.40	9 3/4	0	0	0	0	0	0	0	0
10	2,015.17	10	1,652.14	10	1,293.07	10	937.59	10	583.77	10	219.85	10	29.20	10	0	0	0	0	0	0	0	0
10 1/4	2,007.60	10 1/4	1,644.57	10 1/4	1,285.68	10 1/4	930.25	10 1/4	576.29	10 1/4	212.26	10 1/4	28.00	10 1/4	0	0	0	0	0	0	0	0
10 1/2	2,000.04	10 1/2	1,637.01	10 1/2	1,278.21	10 1/2	922.91	10 1/2	568.71	10 1/2	204.68	10 1/2	26.80	10 1/2	0	0	0	0	0	0	0	0
10 3/4	1,992.48	10 3/4	1,629.45	10 3/4	1,270.75	10 3/4	915.56	10 3/4	561.12	10 3/4	197.09	10 3/4	25.60	10 3/4	0	0	0	0	0	0	0	0
11	1,984.91	11	1,621.88	11	1,263.28	11	908.22	11	553.54	11	189.51	11	24.40	11	0	0	0	0	0	0	0	0
11 1/4	1,977.35	11 1/4	1,614.32	11 1/4	1,255.81	11 1/4	900.87	11 1/4	545.95	11 1/4	181.93	11 1/4	23.20	11 1/4	0	0	0	0	0	0	0	0
11 1/2	1,969.79	11 1/2	1,606.77	11 1/2	1,248.26	11 1/2	893.53	11 1/2	538.37	11 1/2	174.34	11 1/2	22.00	11 1/2	0	0	0	0	0	0	0	0
11 3/4	1,962.22	11 3/4	1,599.22	11 3/4	1,240.72	11 3/4	886.18	11 3/4	530.79	11 3/4	166.76	11 3/4	20.80	11 3/4	0	0	0	0	0	0	0	0

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED: 08/30/2004 CL - SW  
CALCULATED: 09/01/2004 CL  
PRINTED: 09/01/2004 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2004

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2052  
Pearland, Texas 77588  
http://www.pmacord.net



# BARGE "KIRBY 28065"

## 3 STBD ULLAGE TABLE

GAUGE HEIGHT 16'-06 1/4"

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS		0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
W	H	W	H	W	H	W	H	W	H	W	H	W	H	W	H	W	H	W	H	W	H	
0	0	0	0	4,237.03	0	3,977.33	0	3,703.57	0	3,424.05	0	3,145.22	0	2,866.36	0	2,587.50	0	2,308.64	0	2,029.78	0	1,750.92
1/4	1/4	1/4	1/4	4,485.08	1/4	3,971.75	1/4	3,697.76	1/4	3,418.22	1/4	3,138.68	1/4	2,859.14	1/4	2,579.60	1/4	2,299.06	1/4	2,019.52	1/4	1,739.98
1/2	1/2	1/2	1/2	4,480.35	1/2	3,966.16	1/2	3,691.93	1/2	3,411.52	1/2	3,131.98	1/2	2,852.44	1/2	2,572.90	1/2	2,293.36	1/2	2,013.82	1/2	1,734.28
3/4	3/4	3/4	3/4	4,475.63	3/4	3,960.55	3/4	3,686.11	3/4	3,404.81	3/4	3,125.27	3/4	2,845.73	3/4	2,566.19	3/4	2,286.65	3/4	2,007.11	3/4	1,727.57
1	1	1	1	4,470.91	1	3,954.94	1	3,680.29	1	3,398.11	1	3,118.57	1	2,839.03	1	2,559.49	1	2,279.95	1	2,000.41	1	1,720.87
1 1/4	1 1/4	1 1/4	1 1/4	4,466.19	1 1/4	3,949.34	1 1/4	3,674.47	1 1/4	3,391.41	1 1/4	3,111.87	1 1/4	2,832.33	1 1/4	2,552.79	1 1/4	2,273.25	1 1/4	1,993.71	1 1/4	1,714.17
1 1/2	1 1/2	1 1/2	1 1/2	4,461.16	1 1/2	3,943.72	1 1/2	3,668.65	1 1/2	3,383.83	1 1/2	3,103.29	1 1/2	2,823.75	1 1/2	2,543.21	1 1/2	2,263.67	1 1/2	1,984.13	1 1/2	1,704.59
1 3/4	1 3/4	1 3/4	1 3/4	4,456.13	1 3/4	3,938.10	1 3/4	3,662.82	1 3/4	3,373.24	1 3/4	3,092.70	1 3/4	2,813.16	1 3/4	2,533.12	1 3/4	2,254.08	1 3/4	1,974.54	1 3/4	1,695.00
2	2	2	2	4,451.10	2	3,932.48	2	3,657.00	2	3,368.66	2	3,088.12	2	2,808.58	2	2,528.54	2	2,248.50	2	1,968.46	2	1,688.92
2 1/4	2 1/4	2 1/4	2 1/4	4,446.07	2 1/4	3,926.85	2 1/4	3,651.17	2 1/4	3,363.08	2 1/4	3,078.54	2 1/4	2,798.50	2 1/4	2,518.46	2 1/4	2,238.42	2 1/4	1,958.38	2 1/4	1,679.34
2 1/2	2 1/2	2 1/2	2 1/2	4,440.41	2 1/2	3,921.21	2 1/2	3,645.35	2 1/2	3,357.35	2 1/2	3,072.81	2 1/2	2,792.77	2 1/2	2,512.73	2 1/2	2,232.69	2 1/2	1,948.34	2 1/2	1,669.26
2 3/4	2 3/4	2 3/4	2 3/4	4,434.75	2 3/4	3,915.57	2 3/4	3,639.53	2 3/4	3,353.53	2 3/4	3,068.99	2 3/4	2,787.23	2 3/4	2,507.19	2 3/4	2,226.15	2 3/4	1,938.30	2 3/4	1,659.18
3	3	3	3	4,429.09	3	3,909.93	3	3,633.70	3	3,349.74	3	3,065.70	3	2,781.66	3	2,499.62	3	2,218.58	3	1,928.26	3	1,649.14
3 1/4	3 1/4	3 1/4	3 1/4	4,423.43	3 1/4	3,904.28	3 1/4	3,627.88	3 1/4	3,340.43	3 1/4	3,051.39	3 1/4	2,769.35	3 1/4	2,487.31	3 1/4	2,207.27	3 1/4	1,918.22	3 1/4	1,639.10
3 1/2	3 1/2	3 1/2	3 1/2	4,417.69	3 1/2	3,898.62	3 1/2	3,622.05	3 1/2	3,323.18	3 1/2	3,034.14	3 1/2	2,757.10	3 1/2	2,481.06	3 1/2	2,197.02	3 1/2	1,908.13	3 1/2	1,629.06
3 3/4	3 3/4	3 3/4	3 3/4	4,411.95	3 3/4	3,892.96	3 3/4	3,616.23	3 3/4	3,315.60	3 3/4	3,026.56	3 3/4	2,745.42	3 3/4	2,470.38	3 3/4	2,186.34	3 3/4	1,899.05	3 3/4	1,619.98
4	4	4	4	4,406.21	4	3,887.30	4	3,610.41	4	3,308.02	4	3,016.98	4	2,735.84	4	2,454.80	4	2,173.76	4	1,889.96	4	1,609.94
4 1/4	4 1/4	4 1/4	4 1/4	4,400.47	4 1/4	3,881.64	4 1/4	3,604.58	4 1/4	3,300.43	4 1/4	3,009.40	4 1/4	2,728.26	4 1/4	2,447.22	4 1/4	2,165.18	4 1/4	1,880.02	4 1/4	1,600.90
4 1/2	4 1/2	4 1/2	4 1/2	4,394.88	4 1/2	3,875.96	4 1/2	3,598.76	4 1/2	3,292.85	4 1/2	2,998.70	4 1/2	2,716.56	4 1/2	2,436.46	4 1/2	2,155.42	4 1/2	1,870.08	4 1/2	1,591.86
4 3/4	4 3/4	4 3/4	4 3/4	4,389.29	4 3/4	3,870.29	4 3/4	3,592.94	4 3/4	3,285.27	4 3/4	2,991.11	4 3/4	2,709.97	4 3/4	2,429.87	4 3/4	2,144.73	4 3/4	1,860.14	4 3/4	1,582.80
5	5	5	5	4,383.70	5	3,864.61	5	3,586.41	5	3,277.69	5	2,983.82	5	2,702.68	5	2,421.54	5	2,139.40	5	1,850.26	5	1,573.76
5 1/4	5 1/4	5 1/4	5 1/4	4,378.11	5 1/4	3,858.93	5 1/4	3,581.29	5 1/4	3,270.11	5 1/4	2,977.99	5 1/4	2,696.85	5 1/4	2,415.71	5 1/4	2,133.57	5 1/4	1,840.12	5 1/4	1,564.72
5 1/2	5 1/2	5 1/2	5 1/2	4,372.81	5 1/2	3,853.23	5 1/2	3,575.46	5 1/2	3,262.53	5 1/2	2,965.82	5 1/2	2,685.68	5 1/2	2,404.54	5 1/2	2,122.40	5 1/2	1,830.08	5 1/2	1,555.68
5 3/4	5 3/4	5 3/4	5 3/4	4,367.51	5 3/4	3,847.54	5 3/4	3,569.64	5 3/4	3,254.95	5 3/4	2,951.05	5 3/4	2,674.91	5 3/4	2,393.77	5 3/4	2,111.63	5 3/4	1,820.04	5 3/4	1,546.64
6	6	6	6	4,362.21	6	3,841.84	6	3,563.82	6	3,247.37	6	2,937.66	6	2,660.52	6	2,379.38	6	2,097.24	6	1,810.10	6	1,537.60
6 1/4	6 1/4	6 1/4	6 1/4	4,356.91	6 1/4	3,836.14	6 1/4	3,557.99	6 1/4	3,239.79	6 1/4	2,928.65	6 1/4	2,651.51	6 1/4	2,369.37	6 1/4	2,085.23	6 1/4	1,800.06	6 1/4	1,528.56
6 1/2	6 1/2	6 1/2	6 1/2	4,351.75	6 1/2	3,830.42	6 1/2	3,552.17	6 1/2	3,232.20	6 1/2	2,921.06	6 1/2	2,642.37	6 1/2	2,359.23	6 1/2	2,075.09	6 1/2	1,790.92	6 1/2	1,519.52
6 3/4	6 3/4	6 3/4	6 3/4	4,346.58	6 3/4	3,824.71	6 3/4	3,546.35	6 3/4	3,224.71	6 3/4	2,913.56	6 3/4	2,632.43	6 3/4	2,347.29	6 3/4	2,060.88	6 3/4	1,781.80	6 3/4	1,510.48
7	7	7	7	4,341.42	7	3,818.99	7	3,540.52	7	3,217.04	7	2,899.84	7	2,620.70	7	2,331.56	7	2,042.42	7	1,772.28	7	1,501.44
7 1/4	7 1/4	7 1/4	7 1/4	4,336.25	7 1/4	3,813.27	7 1/4	3,534.70	7 1/4	3,209.46	7 1/4	2,893.57	7 1/4	2,614.43	7 1/4	2,322.29	7 1/4	2,033.15	7 1/4	1,763.00	7 1/4	1,492.40
7 1/2	7 1/2	7 1/2	7 1/2	4,331.07	7 1/2	3,807.54	7 1/2	3,528.87	7 1/2	3,201.88	7 1/2	2,887.28	7 1/2	2,603.16	7 1/2	2,313.01	7 1/2	2,023.87	7 1/2	1,753.86	7 1/2	1,483.36
7 3/4	7 3/4	7 3/4	7 3/4	4,325.89	7 3/4	3,801.80	7 3/4	3,523.05	7 3/4	3,194.30	7 3/4	2,880.59	7 3/4	2,593.44	7 3/4	2,303.86	7 3/4	2,014.72	7 3/4	1,744.71	7 3/4	1,474.32
8	8	8	8	4,320.70	8	3,796.06	8	3,517.23	8	3,186.72	8	2,871.19	8	2,580.13	8	2,290.99	8	2,001.85	8	1,735.63	8	1,465.28
8 1/4	8 1/4	8 1/4	8 1/4	4,315.52	8 1/4	3,790.33	8 1/4	3,511.40	8 1/4	3,179.14	8 1/4	2,865.66	8 1/4	2,574.52	8 1/4	2,281.38	8 1/4	1,992.24	8 1/4	1,726.48	8 1/4	1,456.24
8 1/2	8 1/2	8 1/2	8 1/2	4,310.31	8 1/2	3,784.57	8 1/2	3,505.58	8 1/2	3,171.56	8 1/2	2,859.77	8 1/2	2,565.65	8 1/2	2,272.24	8 1/2	1,983.10	8 1/2	1,717.34	8 1/2	1,447.20
8 3/4	8 3/4	8 3/4	8 3/4	4,305.11	8 3/4	3,778.81	8 3/4	3,499.75	8 3/4	3,163.97	8 3/4	2,853.84	8 3/4	2,556.53	8 3/4	2,263.12	8 3/4	1,974.00	8 3/4	1,708.18	8 3/4	1,438.16
9	9	9	9	4,299.90	9	3,773.06	9	3,493.93	9	3,158.72	9	2,843.68	9	2,546.37	9	2,253.06	9	1,963.94	9	1,699.02	9	1,429.12
9 1/4	9 1/4	9 1/4	9 1/4	4,294.70	9 1/4	3,767.30	9 1/4	3,488.11	9 1/4	3,148.81	9 1/4	2,838.56	9 1/4	2,541.25	9 1/4	2,243.94	9 1/4	1,954.82	9 1/4	1,689.90	9 1/4	1,420.08
9 1/2	9 1/2	9 1/2	9 1/2	4,289.48	9 1/2	3,761.52	9 1/2	3,482.28	9 1/2	3,141.23	9 1/2	2,832.41	9 1/2	2,534.10	9 1/2	2,234.82	9 1/2	1,945.70	9 1/2	1,680.78	9 1/2	1,411.04
9 3/4	9 3/4	9 3/4	9 3/4	4,284.25	9 3/4	3,755.75	9 3/4	3,476.46	9 3/4	3,133.65	9 3/4	2,823.29	9 3/4	2,525.16	9 3/4	2,225.70	9 3/4	1,936.60	9 3/4	1,671.66	9 3/4	1,401.90
10	10	10	10	4,279.03	10	3,749.97	10	3,470.64	10	3,126.07	10	2,810.04	10	2,511.91	10	2,217.78	10	1,928.66	10	1,662.54	10	1,392.86
10 1/4	10 1/4	10 1/4	10 1/4	4,273.80	10 1/4	3,744.20	10 1/4	3,464.81	10 1/4	3,118.49	10 1/4	2,800.90	10 1/4	2,502.77	10 1/4	2,208.64	10 1/4	1,919.50	10 1/4	1,653.38	10 1/4	1,383.72
10 1/2	10 1/2	10 1/2	10 1/2	4,268.56	10 1/2	3,738.40	10 1/2	3,458.99	10 1/2	3,110.91	10 1/2	2,796.99	10 1/2	2,494.64	10 1/2	2,199.51	10 1/2	1,910.38	10 1/2	1,644.26	10 1/2	1,374.58
10 3/4	10 3/4	10 3/4	10 3/4	4,263.31	10 3/4	3,732.60	10 3/4	3,453.16	10 3/4	3,103.33	10 3/4	2,784.93	10 3/4	2,485.40	10 3/4	2,190.38	10 3/4	1,901.26	10 3/4	1,635.14	10 3/4	1,365.44
11	11	11	11	4,258.07	11	3,726.81	11	3,447.34	11	3,095.74	11	2,774.16	11	2,476.03	11	2,180.90	11	1,891.78	11	1,626.06	11	1,356.30
11 1/4	11 1/4	11 1/4	11 1/4	4,252.83	11 1/4	3,721.01	11 1/4	3,441.52	11 1/4	3,088.16	11 1/4	2,772.27	11 1/4	2,466.90	11 1/4	2,171.78	11 1/4	1,882.66	11 1/4	1,616.94	11 1/4	1,347.16
11 1/2	11 1/2	11 1/2	11 1/2	4,247.56	11 1/2	3,715.20	11 1/2	3,435.69	11 1/2	3,080.58	11 1/2	2,767.38	11 1/2	2,457.73	11 1/2	2,162.66	11 1/2	1,873.54	11 1/2	1,607.82	11 1/2	1,338.02
11 3/4																						



# BARGE "KIRBY 28065"

3 STBD

ULLAGE TABLE

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

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W
0	2,337.63	0	1,973.74	0	1,609.84	0	1,249.81	0	885.82	0	523.08	0	159.14	0		0		0	
1/4	2,330.05	1/4	1,966.16	1/4	1,602.26	1/4	1,242.23	1/4	879.27	1/4	516.49	1/4	151.56	1/4		1/4		1/4	
1/2	2,322.47	1/2	1,958.58	1/2	1,594.67	1/2	1,234.64	1/2	871.71	1/2	507.91	1/2	144.29	1/2		1/2		1/2	
3/4	2,314.89	3/4	1,951.00	3/4	1,587.09	3/4	1,227.06	3/4	864.16	3/4	500.33	3/4	137.02	3/4		3/4		3/4	
1	2,307.31	1	1,943.41	1	1,579.51	1	1,219.48	1	856.60	1	492.75	1	129.76	1		1		1	
1 1/4	2,299.73	1 1/4	1,935.83	1 1/4	1,571.93	1 1/4	1,211.90	1 1/4	849.05	1 1/4	485.17	1 1/4	122.49	1 1/4		1 1/4		1 1/4	
1 1/2	2,292.15	1 1/2	1,928.25	1 1/2	1,564.35	1 1/2	1,204.32	1 1/2	841.48	1 1/2	477.59	1 1/2	116.17	1 1/2		1 1/2		1 1/2	
1 3/4	2,284.57	1 3/4	1,920.67	1 3/4	1,556.77	1 3/4	1,196.73	1 3/4	833.91	1 3/4	470.00	1 3/4	109.86	1 3/4		1 3/4		1 3/4	
2	2,276.99	2	1,913.09	2	1,549.19	2	1,189.15	2	826.34	2	462.42	2	103.54	2		2		2	
2 1/4	2,269.40	2 1/4	1,905.51	2 1/4	1,541.61	2 1/4	1,181.57	2 1/4	818.77	2 1/4	454.84	2 1/4	97.22	2 1/4		2 1/4		2 1/4	
2 1/2	2,261.82	2 1/2	1,897.93	2 1/2	1,534.02	2 1/2	1,173.99	2 1/2	811.19	2 1/2	447.26	2 1/2	92.17	2 1/2		2 1/2		2 1/2	
2 3/4	2,254.24	2 3/4	1,890.35	2 3/4	1,526.44	2 3/4	1,166.41	2 3/4	803.61	2 3/4	439.68	2 3/4	87.13	2 3/4		2 3/4		2 3/4	
3	2,246.66	3	1,882.76	3	1,518.86	3	1,158.82	3	796.02	3	432.09	3	82.08	3		3		3	
3 1/4	2,239.08	3 1/4	1,875.18	3 1/4	1,511.28	3 1/4	1,151.24	3 1/4	788.44	3 1/4	424.51	3 1/4	77.03	3 1/4		3 1/4		3 1/4	
3 1/2	2,231.50	3 1/2	1,867.60	3 1/2	1,503.70	3 1/2	1,143.67	3 1/2	780.86	3 1/2	416.93	3 1/2	73.26	3 1/2		3 1/2		3 1/2	
3 3/4	2,223.92	3 3/4	1,860.02	3 3/4	1,496.12	3 3/4	1,136.10	3 3/4	773.28	3 3/4	409.35	3 3/4	69.48	3 3/4		3 3/4		3 3/4	
4	2,216.34	4	1,852.44	4	1,488.54	4	1,128.53	4	765.70	4	401.76	4	65.71	4		4		4	
4 1/4	2,208.76	4 1/4	1,844.86	4 1/4	1,480.95	4 1/4	1,120.96	4 1/4	758.12	4 1/4	394.18	4 1/4	61.94	4 1/4		4 1/4		4 1/4	
4 1/2	2,201.17	4 1/2	1,837.28	4 1/2	1,473.45	4 1/2	1,113.41	4 1/2	750.53	4 1/2	386.60	4 1/2	59.44	4 1/2		4 1/2		4 1/2	
4 3/4	2,193.59	4 3/4	1,829.69	4 3/4	1,465.95	4 3/4	1,105.86	4 3/4	742.95	4 3/4	379.02	4 3/4	56.95	4 3/4		4 3/4		4 3/4	
5	2,186.01	5	1,822.11	5	1,458.45	5	1,098.30	5	735.37	5	371.44	5	54.46	5		5		5	
5 1/4	2,178.43	5 1/4	1,814.53	5 1/4	1,450.95	5 1/4	1,090.75	5 1/4	727.79	5 1/4	363.85	5 1/4	51.97	5 1/4		5 1/4		5 1/4	
5 1/2	2,170.85	5 1/2	1,806.95	5 1/2	1,443.53	5 1/2	1,083.19	5 1/2	720.21	5 1/2	356.27	5 1/2	50.77	5 1/2		5 1/2		5 1/2	
5 3/4	2,163.27	5 3/4	1,799.37	5 3/4	1,436.11	5 3/4	1,075.64	5 3/4	712.63	5 3/4	348.69	5 3/4	49.58	5 3/4		5 3/4		5 3/4	
6	2,155.69	6	1,791.79	6	1,428.69	6	1,068.09	6	705.04	6	341.11	6	48.38	6		6		6	
6 1/4	2,148.11	6 1/4	1,784.21	6 1/4	1,421.27	6 1/4	1,060.53	6 1/4	697.46	6 1/4	333.53	6 1/4	47.18	6 1/4		6 1/4		6 1/4	
6 1/2	2,140.53	6 1/2	1,776.63	6 1/2	1,413.85	6 1/2	1,052.98	6 1/2	689.88	6 1/2	325.94	6 1/2		6 1/2		6 1/2		6 1/2	
6 3/4	2,132.94	6 3/4	1,769.04	6 3/4	1,406.44	6 3/4	1,045.43	6 3/4	682.30	6 3/4	318.36	6 3/4		6 3/4		6 3/4		6 3/4	
7	2,125.36	7	1,761.46	7	1,399.02	7	1,037.88	7	674.72	7	310.78	7		7		7		7	
7 1/4	2,117.78	7 1/4	1,753.88	7 1/4	1,391.60	7 1/4	1,030.32	7 1/4	667.14	7 1/4	303.20	7 1/4		7 1/4		7 1/4		7 1/4	
7 1/2	2,110.20	7 1/2	1,746.30	7 1/2	1,384.18	7 1/2	1,022.77	7 1/2	659.55	7 1/2	295.62	7 1/2		7 1/2		7 1/2		7 1/2	
7 3/4	2,102.62	7 3/4	1,738.72	7 3/4	1,376.76	7 3/4	1,015.22	7 3/4	651.97	7 3/4	288.03	7 3/4		7 3/4		7 3/4		7 3/4	
8	2,095.04	8	1,731.14	8	1,369.34	8	1,007.66	8	644.39	8	280.45	8		8		8		8	
8 1/4	2,087.46	8 1/4	1,723.56	8 1/4	1,361.92	8 1/4	1,000.11	8 1/4	636.81	8 1/4	272.87	8 1/4		8 1/4		8 1/4		8 1/4	
8 1/2	2,079.88	8 1/2	1,715.98	8 1/2	1,354.50	8 1/2	992.56	8 1/2	629.23	8 1/2	265.29	8 1/2		8 1/2		8 1/2		8 1/2	
8 3/4	2,072.30	8 3/4	1,708.39	8 3/4	1,347.08	8 3/4	985.01	8 3/4	621.65	8 3/4	257.71	8 3/4		8 3/4		8 3/4		8 3/4	
9	2,064.71	9	1,700.81	9	1,339.66	9	977.45	9	614.06	9	250.12	9		9		9		9	
9 1/4	2,057.13	9 1/4	1,693.23	9 1/4	1,332.24	9 1/4	969.90	9 1/4	606.48	9 1/4	242.54	9 1/4		9 1/4		9 1/4		9 1/4	
9 1/2	2,049.55	9 1/2	1,685.65	9 1/2	1,324.82	9 1/2	962.35	9 1/2	598.90	9 1/2	234.96	9 1/2		9 1/2		9 1/2		9 1/2	
9 3/4	2,041.97	9 3/4	1,678.07	9 3/4	1,317.40	9 3/4	954.79	9 3/4	591.32	9 3/4	227.38	9 3/4		9 3/4		9 3/4		9 3/4	
10	2,034.39	10	1,670.49	10	1,309.98	10	947.24	10	583.74	10	219.79	10		10		10		10	
10 1/4	2,026.81	10 1/4	1,662.91	10 1/4	1,302.56	10 1/4	939.69	10 1/4	576.15	10 1/4	212.21	10 1/4		10 1/4		10 1/4		10 1/4	
10 1/2	2,019.23	10 1/2	1,655.32	10 1/2	1,295.06	10 1/2	932.14	10 1/2	568.57	10 1/2	204.63	10 1/2		10 1/2		10 1/2		10 1/2	
10 3/4	2,011.65	10 3/4	1,647.74	10 3/4	1,287.56	10 3/4	924.58	10 3/4	560.99	10 3/4	197.05	10 3/4		10 3/4		10 3/4		10 3/4	
11	2,004.07	11	1,640.16	11	1,280.05	11	917.03	11	553.41	11	189.47	11		11		11		11	
11 1/4	1,996.48	11 1/4	1,632.58	11 1/4	1,272.55	11 1/4	909.48	11 1/4	545.82	11 1/4	181.88	11 1/4		11 1/4		11 1/4		11 1/4	
11 1/2	1,988.90	11 1/2	1,625.00	11 1/2	1,264.97	11 1/2	901.92	11 1/2	538.24	11 1/2	174.30	11 1/2		11 1/2		11 1/2		11 1/2	
11 3/4	1,981.32	11 3/4	1,617.42	11 3/4	1,257.39	11 3/4	894.37	11 3/4	530.66	11 3/4	166.72	11 3/4		11 3/4		11 3/4		11 3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED 08/30/2004 CL SW  
 CALCULATED: 09/01/2004 CL  
 PRINTED: 09/01/2004 CL  
 CANCELS AND SUPERCEDES  
 ALL PRIOR TO 09/2004

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P O Box 2092  
 Pearland, Texas 77581  
 http://www.pmacorp.net