



KIRBY 28030



Barge Strapping Tables





BARGE "KIRBY 28030"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	-00-1/8	00-1/8	-00-1/4	00-1/4	-00-3/8	00-3/8	-00-5/8	00-5/8	-00-3/4	00-3/4	-00-7/8	00-7/8
1 STBD	-00-1/8	00-1/8	-00-1/4	00-1/4	-00-1/2	00-1/2	-00-5/8	00-5/8	-00-3/4	00-3/4	-00-7/8	00-7/8
2 PORT	-00-1/8	00-1/8	-00-1/4	00-1/4	-00-3/8	00-3/8	-00-5/8	00-5/8	-00-3/4	00-3/4	-00-7/8	00-7/8
2 STBD	-00-1/8	00-1/8	-00-1/4	00-1/4	-00-1/2	00-1/2	-00-5/8	00-5/8	-00-3/4	00-3/4	-00-7/8	00-7/8
3 PORT	-00-1/8	00-1/8	-00-1/4	00-1/4	-00-3/8	00-3/8	-00-1/2	00-1/2	-00-3/4	00-3/4	-00-7/8	00-7/8
3 STBD	-00-1/8	00-1/8	-00-1/4	00-1/4	-00-3/8	00-3/8	-00-5/8	00-5/8	-00-3/4	00-3/4	-00-7/8	00-7/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS 00-1/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/4"

LENGTH BETWEEN DRAFT MARKS: 237'-00"

April 29, 2004

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

<http://www.pmacorp.net>



BARGE "KIRBY 28030"

1 PORT ULLAGE TABLE

GAUGE HEIGHT 16'-10 1/4"
19 FT.

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
H	M	H	M	H	M	H	M	H	M	H	M	H	M	H	M	H	M	H	M
0	2,124.74	0	1,793.13	0	1,461.51	0	1,129.90	0	804.36	0	500.84	0	220.79	0		0		0	
1/4	2,117.83	1/4	1,786.22	1/4	1,454.60	1/4	1,122.99	1/4	797.79	1/4	494.75	1/4	215.19	1/4		1/4		1/4	
1/2	2,110.92	1/2	1,779.31	1/2	1,447.70	1/2	1,116.08	1/2	791.27	1/2	488.70	1/2	209.64	1/2		1/2		1/2	
3/4	2,104.01	3/4	1,772.40	3/4	1,440.79	3/4	1,109.17	3/4	784.74	3/4	482.65	3/4	204.08	3/4		3/4		3/4	
1	2,097.10	1	1,765.49	1	1,433.88	1	1,102.27	1	778.22	1	476.61	1	198.53	1		1		1	
1 1/4	2,090.20	1 1/4	1,758.58	1 1/4	1,426.97	1 1/4	1,095.36	1 1/4	771.69	1 1/4	470.56	1 1/4	192.97	1 1/4		1 1/4		1 1/4	
1 1/2	2,083.29	1 1/2	1,751.67	1 1/2	1,420.06	1 1/2	1,088.45	1 1/2	765.20	1 1/2	464.55	1 1/2	187.45	1 1/2		1 1/2		1 1/2	
3/4	2,076.38	3/4	1,744.77	3/4	1,413.15	3/4	1,081.54	3/4	758.72	3/4	458.54	3/4	181.93	3/4		3/4		3/4	
2	2,069.47	2	1,737.86	2	1,406.24	2	1,074.63	2	752.23	2	452.53	2	176.41	2		2		2	
2 1/4	2,062.56	2 1/4	1,730.95	2 1/4	1,399.34	2 1/4	1,067.73	2 1/4	745.75	2 1/4	446.52	2 1/4	170.89	2 1/4		2 1/4		2 1/4	
2 1/2	2,055.65	2 1/2	1,724.04	2 1/2	1,392.43	2 1/2	1,060.83	2 1/2	739.29	2 1/2	440.55	2 1/2	165.42	2 1/2		2 1/2		2 1/2	
3/4	2,048.74	3/4	1,717.13	3/4	1,385.52	3/4	1,053.93	3/4	732.83	3/4	434.59	3/4	159.95	3/4		3/4		3/4	
3	2,041.84	3	1,710.22	3	1,378.61	3	1,047.03	3	726.37	3	428.62	3	154.47	3		3		3	
3 1/4	2,034.93	3 1/4	1,703.31	3 1/4	1,371.70	3 1/4	1,040.13	3 1/4	719.91	3 1/4	422.65	3 1/4	149.00	3 1/4		3 1/4		3 1/4	
3 1/2	2,028.02	3 1/2	1,696.41	3 1/2	1,364.79	3 1/2	1,033.25	3 1/2	713.50	3 1/2	416.73	3 1/2	143.56	3 1/2		3 1/2		3 1/2	
3/4	2,021.11	3/4	1,689.50	3/4	1,357.88	3/4	1,026.36	3/4	707.08	3/4	410.80	3/4	138.12	3/4		3/4		3/4	
4	2,014.20	4	1,682.59	4	1,350.98	4	1,019.48	4	700.66	4	404.87	4	132.69	4		4		4	
4 1/4	2,007.29	4 1/4	1,675.68	4 1/4	1,344.07	4 1/4	1,012.59	4 1/4	694.24	4 1/4	398.94	4 1/4	127.25	4 1/4		4 1/4		4 1/4	
4 1/2	2,000.38	4 1/2	1,668.77	4 1/2	1,337.16	4 1/2	1,005.73	4 1/2	687.86	4 1/2	393.06	4 1/2	121.86	4 1/2		4 1/2		4 1/2	
3/4	1,993.48	3/4	1,661.86	3/4	1,330.25	3/4	998.87	3/4	681.48	3/4	387.17	3/4	116.47	3/4		3/4		3/4	
5	1,986.57	5	1,654.95	5	1,323.34	5	992.01	5	675.11	5	381.29	5	111.08	5		5		5	
5 1/4	1,979.66	5 1/4	1,648.05	5 1/4	1,316.43	5 1/4	985.15	5 1/4	668.73	5 1/4	375.41	5 1/4	105.69	5 1/4		5 1/4		5 1/4	
5 1/2	1,972.75	5 1/2	1,641.15	5 1/2	1,309.52	5 1/2	978.33	5 1/2	662.39	5 1/2	369.56	5 1/2	100.33	5 1/2		5 1/2		5 1/2	
3/4	1,965.84	3/4	1,634.23	3/4	1,302.62	3/4	971.50	3/4	656.06	3/4	363.71	3/4	94.98	3/4		3/4		3/4	
6	1,958.93	6	1,627.32	6	1,295.71	6	964.67	6	649.72	6	357.87	6	89.63	6		6		6	
6 1/4	1,952.02	6 1/4	1,620.41	6 1/4	1,288.80	6 1/4	957.85	6 1/4	643.38	6 1/4	352.02	6 1/4	84.27	6 1/4		6 1/4		6 1/4	
6 1/2	1,945.11	6 1/2	1,613.50	6 1/2	1,281.89	6 1/2	951.07	6 1/2	637.09	6 1/2	346.22	6 1/2	78.97	6 1/2		6 1/2		6 1/2	
3/4	1,938.21	3/4	1,606.59	3/4	1,274.98	3/4	944.30	3/4	630.79	3/4	340.42	3/4	73.66	3/4		3/4		3/4	
7	1,931.30	7	1,599.68	7	1,268.07	7	937.53	7	624.50	7	334.62	7	68.35	7		7		7	
7 1/4	1,924.39	7 1/4	1,592.78	7 1/4	1,261.16	7 1/4	930.76	7 1/4	618.20	7 1/4	328.81	7 1/4	63.05	7 1/4		7 1/4		7 1/4	
7 1/2	1,917.48	7 1/2	1,585.87	7 1/2	1,254.26	7 1/2	924.03	7 1/2	611.95	7 1/2	323.05	7 1/2	57.78	7 1/2		7 1/2		7 1/2	
3/4	1,910.57	3/4	1,578.96	3/4	1,247.35	3/4	917.30	3/4	605.69	3/4	317.29	3/4	52.51	3/4		3/4		3/4	
8	1,903.66	8	1,572.05	8	1,240.44	8	910.57	8	599.44	8	311.52	8	47.24	8		8		8	
8 1/4	1,896.75	8 1/4	1,565.14	8 1/4	1,233.53	8 1/4	903.84	8 1/4	593.18	8 1/4	305.76	8 1/4	41.97	8 1/4		8 1/4		8 1/4	
8 1/2	1,889.85	8 1/2	1,558.23	8 1/2	1,226.62	8 1/2	897.15	8 1/2	586.97	8 1/2	300.04	8 1/2	37.61	8 1/2		8 1/2		8 1/2	
3/4	1,882.94	3/4	1,551.32	3/4	1,219.71	3/4	890.46	3/4	580.76	3/4	294.32	3/4	33.24	3/4		3/4		3/4	
9	1,876.03	9	1,544.42	9	1,212.80	9	883.77	9	574.54	9	288.60	9	28.88	9		9		9	
9 1/4	1,869.12	9 1/4	1,537.51	9 1/4	1,205.89	9 1/4	877.08	9 1/4	568.33	9 1/4	282.88	9 1/4	24.52	9 1/4		9 1/4		9 1/4	
9 1/2	1,862.21	9 1/2	1,530.60	9 1/2	1,198.99	9 1/2	870.43	9 1/2	562.16	9 1/2	277.19	9 1/2	21.93	9 1/2		9 1/2		9 1/2	
3/4	1,855.30	3/4	1,523.69	3/4	1,192.08	3/4	863.78	3/4	555.99	3/4	271.51	3/4	19.33	3/4		3/4		3/4	
10	1,848.39	10	1,516.78	10	1,185.17	10	857.14	10	549.81	10	265.83	10	16.74	10		10		10	
10 1/4	1,841.49	10 1/4	1,509.87	10 1/4	1,178.26	10 1/4	850.49	10 1/4	543.64	10 1/4	260.15	10 1/4	14.14	10 1/4		10 1/4		10 1/4	
10 1/2	1,834.58	10 1/2	1,502.96	10 1/2	1,171.35	10 1/2	843.86	10 1/2	537.51	10 1/2	254.51	10 1/2		10 1/2		10 1/2		10 1/2	
3/4	1,827.67	3/4	1,496.06	3/4	1,164.44	3/4	837.27	3/4	531.38	3/4	248.87	3/4		3/4		3/4		3/4	
11	1,820.76	11	1,489.15	11	1,157.53	11	830.67	11	525.25	11	243.23	11		11		11		11	
11 1/4	1,813.85	11 1/4	1,482.24	11 1/4	1,150.63	11 1/4	824.06	11 1/4	519.12	11 1/4	237.60	11 1/4		11 1/4		11 1/4		11 1/4	
11 1/2	1,806.94	11 1/2	1,475.33	11 1/2	1,143.72	11 1/2	817.49	11 1/2	513.03	11 1/2	232.00	11 1/2		11 1/2		11 1/2		11 1/2	
3/4	1,800.03	3/4	1,468.42	3/4	1,136.81	3/4	810.92	3/4	508.93	3/4	226.39	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pasadena, Texas 77668
http://www.pmainc.com

STRAPPED 04/27/2004 CL - SW
CALCULATED 04/27/2004 CL
PRINTED: 04/27/2004 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2004



BARGE "KIRBY 28030"

1 STBD ULLAGE TABLE

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.	
M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W
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
1/4	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
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
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
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
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
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	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	1/4
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
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
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
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
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
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
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
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
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
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
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
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
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
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
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
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
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
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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P. O. Box 202
Pasland, Texas 77448
<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 12'-09" OFF CENTERLINE AND 38'-09" FORWARD OF AFT BULKHEAD.



BARGE "KIRBY 28030"

1 STBD ULLAGE TABLE

GAUGE HEIGHT 16'-10 1/2"
18 FT. 18 FT.

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

IN	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	IN	18 FT.
0	2,125.40	1,794.48	1,463.57	1,132.65	802.56	505.86	225.92			0	0
1/4	2,118.51	1,787.59	1,456.67	1,125.76	802.05	499.78	220.33			1/4	1/4
1/2	2,111.61	1,780.70	1,449.78	1,118.86	795.53	493.70	214.74			1/2	1/2
3/4	2,104.72	1,773.80	1,442.89	1,111.97	789.06	487.67	209.19			3/4	3/4
1	2,097.82	1,766.91	1,435.99	1,105.07	782.59	481.63	203.66			1	1
1 1/4	2,090.93	1,760.01	1,429.10	1,098.18	776.11	475.60	198.11			1 1/4	1 1/4
1 1/2	2,084.04	1,753.12	1,422.20	1,091.29	769.64	469.56	192.56			1 1/2	1 1/2
1 3/4	2,077.14	1,746.23	1,415.31	1,084.39	763.21	463.56	187.05			1 3/4	1 3/4
2	2,070.25	1,739.33	1,408.41	1,077.50	756.78	457.57	181.55			2	2
2 1/4	2,063.35	1,732.44	1,401.52	1,070.61	750.34	451.57	176.04			2 1/4	2 1/4
2 1/2	2,056.46	1,725.54	1,394.63	1,063.71	743.91	445.57	170.53			2 1/2	2 1/2
2 3/4	2,049.57	1,718.65	1,387.73	1,056.83	737.50	439.62	165.07			2 3/4	2 3/4
3	2,042.67	1,711.76	1,380.84	1,049.94	731.09	433.67	159.61			3	3
3 1/4	2,035.78	1,704.86	1,373.94	1,043.06	724.68	427.71	154.15			3 1/4	3 1/4
3 1/2	2,028.88	1,697.97	1,367.05	1,036.17	718.27	421.76	148.68			3 1/2	3 1/2
3 3/4	2,021.99	1,691.07	1,360.16	1,029.30	711.90	415.84	143.26			3 3/4	3 3/4
4	2,015.10	1,684.18	1,353.26	1,022.43	705.52	409.93	137.83			4	4
4 1/4	2,008.20	1,677.28	1,346.37	1,015.57	699.15	404.01	132.40			4 1/4	4 1/4
4 1/2	2,001.31	1,670.39	1,339.47	1,008.70	692.77	398.10	126.98			4 1/2	4 1/2
4 3/4	1,994.41	1,663.50	1,332.58	1,001.88	686.41	392.23	121.60			4 3/4	4 3/4
5	1,987.52	1,656.60	1,325.69	995.06	680.04	386.35	116.22			5	5
5 1/4	1,980.62	1,649.71	1,318.79	988.25	673.68	380.48	110.84			5 1/4	5 1/4
5 1/2	1,973.73	1,642.81	1,311.90	981.43	667.32	374.61	105.46			5 1/2	5 1/2
5 3/4	1,966.84	1,635.92	1,305.00	974.66	660.99	368.78	100.12			5 3/4	5 3/4
6	1,959.94	1,629.03	1,298.11	967.88	654.67	362.94	94.78			6	6
6 1/4	1,953.05	1,622.13	1,291.21	961.10	648.34	357.11	89.44			6 1/4	6 1/4
6 1/2	1,946.15	1,615.24	1,284.32	954.33	642.02	351.28	84.10			6 1/2	6 1/2
6 3/4	1,939.26	1,608.34	1,277.43	947.61	635.74	345.49	78.80			6 3/4	6 3/4
7	1,932.37	1,601.45	1,270.53	940.89	629.46	339.70	73.50			7	7
7 1/4	1,925.47	1,594.56	1,263.64	934.17	623.18	333.91	68.21			7 1/4	7 1/4
7 1/2	1,918.58	1,587.66	1,256.74	927.45	616.90	328.12	62.91			7 1/2	7 1/2
7 3/4	1,911.68	1,580.77	1,249.85	920.78	610.65	322.37	57.65			7 3/4	7 3/4
8	1,904.79	1,573.87	1,242.96	914.10	604.41	316.61	52.39			8	8
8 1/4	1,897.90	1,566.98	1,236.06	907.42	598.17	310.66	47.14			8 1/4	8 1/4
8 1/2	1,891.00	1,560.08	1,229.17	900.74	591.93	305.11	41.88			8 1/2	8 1/2
8 3/4	1,884.11	1,553.19	1,222.27	894.10	585.73	299.40	37.53			8 3/4	8 3/4
9	1,877.21	1,546.30	1,216.38	887.47	579.53	293.69	33.17			9	9
9 1/4	1,870.32	1,539.40	1,210.49	880.83	573.33	287.99	28.82			9 1/4	9 1/4
9 1/2	1,863.43	1,532.51	1,204.59	874.20	567.13	282.28	24.47			9 1/2	9 1/2
9 3/4	1,856.53	1,525.61	1,198.70	867.60	560.97	276.61	21.88			9 3/4	9 3/4
10	1,849.64	1,518.72	1,192.80	861.00	554.81	270.94	19.29			10	10
10 1/4	1,842.74	1,511.83	1,186.91	854.41	548.65	265.27	16.70			10 1/4	10 1/4
10 1/2	1,835.85	1,504.94	1,181.02	847.81	542.49	259.60	14.11			10 1/2	10 1/2
10 3/4	1,828.95	1,498.04	1,175.12	841.26	536.37	253.97				10 3/4	10 3/4
11	1,822.06	1,491.14	1,169.23	834.70	530.25	248.35				11	11
11 1/4	1,815.17	1,484.25	1,163.33	828.15	524.14	242.72				11 1/4	11 1/4
11 1/2	1,808.27	1,477.36	1,157.44	821.59	518.02	237.09				11 1/2	11 1/2
11 3/4	1,801.38	1,470.46	1,151.54	815.08	511.94	231.50				11 3/4	11 3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/27/2004 CL - SW
CALCULATED: 04/27/2004 CL
PRINTED: 04/29/2004 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2004

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2032
Pearland, Texas 77588
http://www.pmtscorp.net



BARGE "KIRBY 28030"

2 PORT ULLAGE TABLE

GAUGE HEIGHT 16'-10 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.	
W	H	W	H	W	H	W	H	W	H	W	H	W	H	W	H	W	H	W	H	W	H
0	2,668.08	0	2,270.06	0	1,892.03	0	1,494.00	0	1,105.97	0	718.46	0	331.02	0		0		0		0	
1/4	2,650.00	1/4	2,261.97	1/4	1,873.94	1/4	1,485.92	1/4	1,097.89	1/4	710.40	1/4	322.94	1/4		1/4		1/4		1/4	
1/2	2,641.92	1/2	2,253.89	1/2	1,865.86	1/2	1,477.83	1/2	1,089.81	1/2	702.34	1/2	314.87	1/2		1/2		1/2		1/2	
3/4	2,633.83	3/4	2,245.80	3/4	1,857.78	3/4	1,469.75	3/4	1,081.72	3/4	694.28	3/4	306.79	3/4		3/4		3/4		3/4	
1	2,625.75	1	2,237.72	1	1,849.69	1	1,461.67	1	1,073.64	1	686.22	1	298.72	1		1		1		1	
1 1/4	2,617.66	1 1/4	2,229.64	1 1/4	1,841.61	1 1/4	1,453.58	1 1/4	1,065.55	1 1/4	678.16	1 1/4	290.64	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,609.58	1 1/2	2,221.56	1 1/2	1,833.53	1 1/2	1,445.50	1 1/2	1,057.47	1 1/2	670.10	1 1/2	282.57	1 1/2		1 1/2		1 1/2		1 1/2	
1 3/4	2,601.50	1 3/4	2,213.47	1 3/4	1,825.44	1 3/4	1,437.41	1 3/4	1,049.39	1 3/4	662.04	1 3/4	274.49	1 3/4		1 3/4		1 3/4		1 3/4	
2	2,593.41	2	2,205.38	2	1,817.36	2	1,429.33	2	1,041.30	2	653.98	2	266.42	2		2		2		2	
2 1/4	2,585.33	2 1/4	2,197.30	2 1/4	1,809.27	2 1/4	1,421.25	2 1/4	1,033.22	2 1/4	645.92	2 1/4	258.34	2 1/4		2 1/4		2 1/4		2 1/4	
2 1/2	2,577.24	2 1/2	2,189.22	2 1/2	1,801.19	2 1/2	1,413.16	2 1/2	1,025.14	2 1/2	637.86	2 1/2	250.27	2 1/2		2 1/2		2 1/2		2 1/2	
2 3/4	2,569.16	2 3/4	2,181.13	2 3/4	1,793.11	2 3/4	1,405.08	2 3/4	1,017.05	2 3/4	629.79	2 3/4	242.19	2 3/4		2 3/4		2 3/4		2 3/4	
3	2,561.08	3	2,173.05	3	1,785.02	3	1,396.99	3	1,008.97	3	621.72	3	234.12	3		3		3		3	
3 1/4	2,552.99	3 1/4	2,164.97	3 1/4	1,776.94	3 1/4	1,388.91	3 1/4	1,000.88	3 1/4	613.65	3 1/4	226.04	3 1/4		3 1/4		3 1/4		3 1/4	
3 1/2	2,544.91	3 1/2	2,156.88	3 1/2	1,768.85	3 1/2	1,380.83	3 1/2	992.80	3 1/2	605.57	3 1/2	217.96	3 1/2		3 1/2		3 1/2		3 1/2	
3 3/4	2,536.82	3 3/4	2,148.80	3 3/4	1,760.77	3 3/4	1,372.74	3 3/4	984.72	3 3/4	597.50	3 3/4	209.89	3 3/4		3 3/4		3 3/4		3 3/4	
4	2,528.74	4	2,140.71	4	1,752.69	4	1,364.66	4	976.63	4	589.42	4	201.81	4		4		4		4	
4 1/4	2,520.66	4 1/4	2,132.63	4 1/4	1,744.60	4 1/4	1,356.58	4 1/4	968.55	4 1/4	581.35	4 1/4	193.74	4 1/4		4 1/4		4 1/4		4 1/4	
4 1/2	2,512.57	4 1/2	2,124.55	4 1/2	1,736.52	4 1/2	1,348.49	4 1/2	960.46	4 1/2	573.27	4 1/2	185.66	4 1/2		4 1/2		4 1/2		4 1/2	
4 3/4	2,504.49	4 3/4	2,116.46	4 3/4	1,728.43	4 3/4	1,340.41	4 3/4	952.38	4 3/4	565.20	4 3/4	177.59	4 3/4		4 3/4		4 3/4		4 3/4	
5	2,496.41	5	2,108.38	5	1,720.35	5	1,332.32	5	944.30	5	557.12	5	169.51	5		5		5		5	
5 1/4	2,488.32	5 1/4	2,100.29	5 1/4	1,712.27	5 1/4	1,324.24	5 1/4	936.21	5 1/4	549.05	5 1/4	161.44	5 1/4		5 1/4		5 1/4		5 1/4	
5 1/2	2,480.24	5 1/2	2,092.21	5 1/2	1,704.18	5 1/2	1,316.16	5 1/2	928.13	5 1/2	540.97	5 1/2	153.36	5 1/2		5 1/2		5 1/2		5 1/2	
5 3/4	2,472.15	5 3/4	2,084.13	5 3/4	1,696.10	5 3/4	1,308.07	5 3/4	920.04	5 3/4	532.90	5 3/4	145.29	5 3/4		5 3/4		5 3/4		5 3/4	
6	2,464.07	6	2,076.04	6	1,688.02	6	1,299.99	6	911.96	6	524.82	6	137.21	6		6		6		6	
6 1/4	2,455.99	6 1/4	2,067.96	6 1/4	1,679.93	6 1/4	1,291.90	6 1/4	903.88	6 1/4	516.75	6 1/4	129.14	6 1/4		6 1/4		6 1/4		6 1/4	
6 1/2	2,447.90	6 1/2	2,059.87	6 1/2	1,671.85	6 1/2	1,283.82	6 1/2	895.81	6 1/2	508.67	6 1/2	121.06	6 1/2		6 1/2		6 1/2		6 1/2	
6 3/4	2,439.82	6 3/4	2,051.79	6 3/4	1,663.76	6 3/4	1,275.74	6 3/4	887.73	6 3/4	500.60	6 3/4	112.99	6 3/4		6 3/4		6 3/4		6 3/4	
7	2,431.73	7	2,043.71	7	1,655.68	7	1,267.66	7	879.66	7	492.52	7	104.91	7		7		7		7	
7 1/4	2,423.65	7 1/4	2,035.62	7 1/4	1,647.60	7 1/4	1,259.57	7 1/4	871.59	7 1/4	484.45	7 1/4	96.84	7 1/4		7 1/4		7 1/4		7 1/4	
7 1/2	2,415.57	7 1/2	2,027.54	7 1/2	1,639.51	7 1/2	1,251.48	7 1/2	863.53	7 1/2	476.37	7 1/2	88.76	7 1/2		7 1/2		7 1/2		7 1/2	
7 3/4	2,407.48	7 3/4	2,019.46	7 3/4	1,631.43	7 3/4	1,243.40	7 3/4	855.47	7 3/4	468.30	7 3/4	80.69	7 3/4		7 3/4		7 3/4		7 3/4	
8	2,399.40	8	2,011.37	8	1,623.34	8	1,235.32	8	847.41	8	460.22	8	72.61	8		8		8		8	
8 1/4	2,391.31	8 1/4	2,003.29	8 1/4	1,615.26	8 1/4	1,227.23	8 1/4	839.35	8 1/4	452.15	8 1/4	64.54	8 1/4		8 1/4		8 1/4		8 1/4	
8 1/2	2,383.23	8 1/2	1,995.20	8 1/2	1,607.18	8 1/2	1,219.15	8 1/2	831.29	8 1/2	444.07	8 1/2	57.47	8 1/2		8 1/2		8 1/2		8 1/2	
8 3/4	2,375.15	8 3/4	1,987.12	8 3/4	1,599.09	8 3/4	1,211.07	8 3/4	823.23	8 3/4	436.00	8 3/4	50.40	8 3/4		8 3/4		8 3/4		8 3/4	
9	2,367.06	9	1,979.04	9	1,591.01	9	1,202.98	9	815.17	9	427.92	9	43.34	9		9		9		9	
9 1/4	2,358.98	9 1/4	1,970.95	9 1/4	1,582.92	9 1/4	1,194.90	9 1/4	807.11	9 1/4	419.84	9 1/4	36.27	9 1/4		9 1/4		9 1/4		9 1/4	
9 1/2	2,350.90	9 1/2	1,962.87	9 1/2	1,574.84	9 1/2	1,186.81	9 1/2	799.05	9 1/2	411.77	9 1/2	31.23	9 1/2		9 1/2		9 1/2		9 1/2	
9 3/4	2,342.81	9 3/4	1,954.78	9 3/4	1,566.76	9 3/4	1,178.73	9 3/4	791.00	9 3/4	403.69	9 3/4	26.19	9 3/4		9 3/4		9 3/4		9 3/4	
10	2,334.73	10	1,946.70	10	1,558.67	10	1,170.65	10	782.94	10	395.62	10	21.14	10		10		10		10	
10 1/4	2,326.64	10 1/4	1,938.62	10 1/4	1,550.59	10 1/4	1,162.56	10 1/4	774.88	10 1/4	387.54	10 1/4	16.10	10 1/4		10 1/4		10 1/4		10 1/4	
10 1/2	2,318.56	10 1/2	1,930.53	10 1/2	1,542.51	10 1/2	1,154.48	10 1/2	766.82	10 1/2	379.47	10 1/2	11.06	10 1/2		10 1/2		10 1/2		10 1/2	
10 3/4	2,310.48	10 3/4	1,922.45	10 3/4	1,534.42	10 3/4	1,146.39	10 3/4	758.76	10 3/4	371.39	10 3/4	6.01	10 3/4		10 3/4		10 3/4		10 3/4	
11	2,302.39	11	1,914.36	11	1,526.34	11	1,138.31	11	750.70	11	363.32	11	1.00	11		11		11		11	
11 1/4	2,294.31	11 1/4	1,906.28	11 1/4	1,518.25	11 1/4	1,130.23	11 1/4	742.64	11 1/4	355.24	11 1/4	0.00	11 1/4		11 1/4		11 1/4		11 1/4	
11 1/2	2,286.22	11 1/2	1,898.20	11 1/2	1,510.17	11 1/2	1,122.14	11 1/2	734.58	11 1/2	347.17	11 1/2	0.00	11 1/2		11 1/2		11 1/2		11 1/2	
11 3/4	2,278.14	11 3/4	1,890.11	11 3/4	1,502.09	11 3/4	1,114.06	11 3/4	726.52	11 3/4	339.09	11 3/4	0.00	11 3/4		11 3/4		11 3/4		11 3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/27/2004 CL - SW
 CALCULATED: 04/29/2004 CL
 PRINTED: 04/29/2004 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 04/2004

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 20912
 Pearland, Texas 77588
 http://www.pmaacord.net



BARGE "KIRBY 28030"

2 STBD ULLAGE TABLE

GAUGE HEIGHT 16'-10 1/4"
19 FT.

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.	
H	M	H	M	H	M	H	M	H	M	H	M	H	M	H	M	H	M	H	M	H	M
0	2,646.77	0	2,258.36	0	1,869.95	0	1,481.55	0	1,093.14	0	714.23	0	332.04	0	0	0	0	0	0	0	0
1/4	2,638.68	1/4	2,250.27	1/4	1,861.86	1/4	1,473.46	1/4	1,085.05	1/4	706.47	1/4	323.95	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,630.58	1/2	2,242.18	1/2	1,853.77	1/2	1,465.36	1/2	1,076.96	1/2	698.72	1/2	315.86	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,622.49	3/4	2,234.09	3/4	1,845.68	3/4	1,457.27	3/4	1,068.87	3/4	690.96	3/4	307.77	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,614.40	1	2,225.99	1	1,837.59	1	1,449.18	1	1,060.77	1	683.20	1	299.68	1	1	1	1	1	1	1	1
1 1/4	2,606.31	1 1/4	2,217.90	1 1/4	1,829.50	1 1/4	1,441.09	1 1/4	1,052.68	1 1/4	675.45	1 1/4	291.59	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	2,598.22	1 1/2	2,209.81	1 1/2	1,821.40	1 1/2	1,433.00	1 1/2	1,044.59	1 1/2	667.69	1 1/2	283.50	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	2,590.12	1 3/4	2,201.72	1 3/4	1,813.31	1 3/4	1,424.91	1 3/4	1,036.50	1 3/4	659.94	1 3/4	275.41	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	2,582.03	2	2,193.63	2	1,805.22	2	1,416.81	2	1,028.41	2	652.18	2	267.32	2	2	2	2	2	2	2	2
2 1/4	2,573.94	2 1/4	2,185.53	2 1/4	1,797.13	2 1/4	1,408.72	2 1/4	1,020.32	2 1/4	644.43	2 1/4	259.23	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	2,565.85	2 1/2	2,177.44	2 1/2	1,789.04	2 1/2	1,400.63	2 1/2	1,012.22	2 1/2	636.66	2 1/2	251.14	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	2,557.76	2 3/4	2,169.35	2 3/4	1,780.94	2 3/4	1,392.54	2 3/4	1,004.13	2 3/4	628.90	2 3/4	243.04	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	2,549.67	3	2,161.26	3	1,772.85	3	1,384.45	3	996.04	3	621.13	3	234.95	3	3	3	3	3	3	3	3
3 1/4	2,541.57	3 1/4	2,153.17	3 1/4	1,764.76	3 1/4	1,376.35	3 1/4	987.95	3 1/4	613.37	3 1/4	226.86	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	2,533.48	3 1/2	2,145.08	3 1/2	1,756.67	3 1/2	1,368.26	3 1/2	979.86	3 1/2	605.58	3 1/2	218.77	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	2,525.39	3 3/4	2,136.98	3 3/4	1,748.58	3 3/4	1,360.17	3 3/4	971.76	3 3/4	597.80	3 3/4	210.68	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	2,517.30	4	2,128.89	4	1,740.49	4	1,352.08	4	963.67	4	590.02	4	202.59	4	4	4	4	4	4	4	4
4 1/4	2,509.21	4 1/4	2,120.80	4 1/4	1,732.39	4 1/4	1,343.99	4 1/4	955.58	4 1/4	582.24	4 1/4	194.50	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	2,501.11	4 1/2	2,112.71	4 1/2	1,724.30	4 1/2	1,335.90	4 1/2	947.49	4 1/2	574.31	4 1/2	186.41	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	2,493.02	4 3/4	2,104.62	4 3/4	1,716.21	4 3/4	1,327.80	4 3/4	939.70	4 3/4	566.37	4 3/4	178.32	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	2,484.93	5	2,096.52	5	1,708.12	5	1,319.71	5	931.76	5	558.44	5	170.23	5	5	5	5	5	5	5	5
5 1/4	2,476.84	5 1/4	2,088.43	5 1/4	1,700.03	5 1/4	1,311.62	5 1/4	923.82	5 1/4	550.50	5 1/4	162.14	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	2,468.75	5 1/2	2,080.34	5 1/2	1,691.93	5 1/2	1,303.53	5 1/2	916.04	5 1/2	542.41	5 1/2	154.04	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	2,460.66	5 3/4	2,072.25	5 3/4	1,683.84	5 3/4	1,295.44	5 3/4	908.26	5 3/4	534.32	5 3/4	145.95	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	2,452.56	6	2,064.16	6	1,675.75	6	1,287.34	6	900.48	6	526.23	6	137.86	6	6	6	6	6	6	6	6
6 1/4	2,444.47	6 1/4	2,056.07	6 1/4	1,667.66	6 1/4	1,279.25	6 1/4	892.69	6 1/4	518.14	6 1/4	129.77	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	2,436.38	6 1/2	2,047.97	6 1/2	1,659.57	6 1/2	1,271.16	6 1/2	884.93	6 1/2	510.04	6 1/2	121.68	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	2,428.29	6 3/4	2,039.88	6 3/4	1,651.48	6 3/4	1,263.07	6 3/4	877.16	6 3/4	501.95	6 3/4	113.59	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	2,420.20	7	2,031.79	7	1,643.38	7	1,254.98	7	869.39	7	493.86	7	105.50	7	7	7	7	7	7	7	7
7 1/4	2,412.10	7 1/4	2,023.70	7 1/4	1,635.29	7 1/4	1,246.89	7 1/4	861.62	7 1/4	485.77	7 1/4	97.41	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	2,404.01	7 1/2	2,015.61	7 1/2	1,627.20	7 1/2	1,238.79	7 1/2	853.86	7 1/2	477.68	7 1/2	89.32	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	2,395.92	7 3/4	2,007.51	7 3/4	1,619.11	7 3/4	1,230.70	7 3/4	846.11	7 3/4	469.59	7 3/4	81.23	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	2,387.83	8	1,999.42	8	1,611.02	8	1,222.61	8	838.35	8	461.50	8	73.14	8	8	8	8	8	8	8	8
8 1/4	2,379.74	8 1/4	1,991.33	8 1/4	1,602.92	8 1/4	1,214.52	8 1/4	830.59	8 1/4	453.41	8 1/4	65.05	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	2,371.65	8 1/2	1,983.24	8 1/2	1,594.83	8 1/2	1,206.43	8 1/2	822.83	8 1/2	445.32	8 1/2	57.96	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	2,363.56	8 3/4	1,975.15	8 3/4	1,586.74	8 3/4	1,198.33	8 3/4	815.08	8 3/4	437.23	8 3/4	50.88	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	2,355.46	9	1,967.06	9	1,578.65	9	1,190.24	9	807.32	9	429.14	9	43.80	9	9	9	9	9	9	9	9
9 1/4	2,347.37	9 1/4	1,958.96	9 1/4	1,570.56	9 1/4	1,182.15	9 1/4	799.56	9 1/4	421.04	9 1/4	36.72	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	2,339.28	9 1/2	1,950.87	9 1/2	1,562.47	9 1/2	1,174.06	9 1/2	791.90	9 1/2	412.95	9 1/2	31.66	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	2,331.19	9 3/4	1,942.78	9 3/4	1,554.37	9 3/4	1,165.97	9 3/4	784.05	9 3/4	404.86	9 3/4	26.61	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	2,323.09	10	1,934.69	10	1,546.28	10	1,157.88	10	776.29	10	396.77	10	21.55	10	10	10	10	10	10	10	10
10 1/4	2,315.00	10 1/4	1,926.60	10 1/4	1,538.19	10 1/4	1,149.78	10 1/4	768.53	10 1/4	388.68	10 1/4	16.49	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	2,306.91	10 1/2	1,918.50	10 1/2	1,530.10	10 1/2	1,141.69	10 1/2	760.77	10 1/2	380.59	10 1/2	11	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	2,298.82	10 3/4	1,910.41	10 3/4	1,522.01	10 3/4	1,133.60	10 3/4	753.02	10 3/4	372.50	10 3/4	6	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	2,290.73	11	1,902.32	11	1,513.91	11	1,125.51	11	745.26	11	364.41	11	1	11	11	11	11	11	11	11	11
11 1/4	2,282.64	11 1/4	1,894.23	11 1/4	1,505.82	11 1/4	1,117.42	11 1/4	737.50	11 1/4	356.32	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 1/4
11 1/2	2,274.54	11 1/2	1,886.14	11 1/2	1,497.73	11 1/2	1,109.32	11 1/2	729.74	11 1/2	348.23	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 1/2
11 3/4	2,266.45	11 3/4	1,878.05	11 3/4	1,489.64	11 3/4	1,101.23	11 3/4	721.99	11 3/4	340.14	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	11 3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED: 04/27/2004 CL - BW
CALCULATED: 04/29/2004 CL
PRINTED: 04/29/2004 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2004

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pascagoula, Texas 77649
http://www.pmacorp.net



BARGE "KIRBY 28030"

3 PORT ULLAGE TABLE

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.		
M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	
0	0	4,618.97	0	4,352.59	0	4,089.69	0	3,815.59	0	3,525.47	0	3,196.47	0	2,835.48	0	2,435.48	0	2,027.96	0	1,618.97
1/4	1/4	4,614.36	1/4	4,347.25	1/4	4,084.07	1/4	3,807.72	1/4	3,519.35	1/4	3,188.96	1/4	2,827.96	1/4	2,427.96	1/4	2,020.44	1/4	1,614.36
1/2	1/2	4,608.23	1/2	4,341.89	1/2	4,078.42	1/2	3,801.82	1/2	3,513.22	1/2	3,183.91	1/2	2,822.91	1/2	2,422.91	1/2	2,015.39	1/2	1,610.85
3/4	3/4	4,602.10	3/4	4,336.53	3/4	4,072.78	3/4	3,796.93	3/4	3,507.09	3/4	3,178.31	3/4	2,817.31	3/4	2,417.31	3/4	2,010.79	3/4	1,606.31
1	1	4,595.97	1	4,331.17	1	4,067.14	1	3,790.04	1	3,500.96	1	3,173.69	1	2,812.69	1	2,412.69	1	2,006.17	1	1,601.67
1 1/4	1 1/4	4,589.84	1 1/4	4,325.81	1 1/4	4,061.50	1 1/4	3,784.15	1 1/4	3,494.83	1 1/4	3,168.87	1 1/4	2,797.87	1 1/4	2,397.87	1 1/4	1,992.35	1 1/4	1,587.83
1 1/2	1 1/2	4,583.71	1 1/2	4,320.44	1 1/2	4,056.83	1 1/2	3,778.24	1 1/2	3,488.70	1 1/2	3,163.35	1 1/2	2,788.35	1 1/2	2,388.35	1 1/2	1,983.83	1 1/2	1,583.31
1 3/4	1 3/4	4,577.58	1 3/4	4,315.06	1 3/4	4,052.17	1 3/4	3,772.32	1 3/4	3,482.57	1 3/4	3,158.83	1 3/4	2,783.83	1 3/4	2,383.83	1 3/4	1,979.31	1 3/4	1,578.79
2	2	4,571.45	2	4,309.58	2	4,044.51	2	3,766.40	2	3,476.44	2	3,154.44	2	2,775.30	2	2,375.30	2	1,970.78	2	1,574.27
2 1/4	2 1/4	4,565.32	2 1/4	4,304.31	2 1/4	4,038.86	2 1/4	3,760.49	2 1/4	3,470.31	2 1/4	3,148.79	2 1/4	2,770.78	2 1/4	2,370.78	2 1/4	1,966.26	2 1/4	1,569.74
2 1/2	2 1/2	4,559.18	2 1/2	4,298.91	2 1/2	4,033.16	2 1/2	3,754.55	2 1/2	3,464.18	2 1/2	3,141.17	2 1/2	2,765.66	2 1/2	2,365.66	2 1/2	1,962.24	2 1/2	1,565.22
2 3/4	2 3/4	4,553.05	2 3/4	4,293.52	2 3/4	4,027.47	2 3/4	3,748.62	2 3/4	3,458.05	2 3/4	3,137.74	2 3/4	2,756.74	2 3/4	2,356.74	2 3/4	1,958.22	2 3/4	1,560.70
3	3	4,546.92	3	4,288.12	3	4,021.79	3	3,742.69	3	3,451.92	3	3,126.82	3	2,745.21	3	2,345.21	3	1,954.20	3	1,556.18
3 1/4	3 1/4	4,540.79	3 1/4	4,282.72	3 1/4	4,016.10	3 1/4	3,736.75	3 1/4	3,445.79	3 1/4	3,098.70	3 1/4	2,737.69	3 1/4	2,337.69	3 1/4	1,950.18	3 1/4	1,552.16
3 1/2	3 1/2	4,534.66	3 1/2	4,277.30	3 1/2	4,010.39	3 1/2	3,730.80	3 1/2	3,439.52	3 1/2	3,091.18	3 1/2	2,730.17	3 1/2	2,327.17	3 1/2	1,946.16	3 1/2	1,548.14
3 3/4	3 3/4	4,528.53	3 3/4	4,271.98	3 3/4	4,004.69	3 3/4	3,724.84	3 3/4	3,433.25	3 3/4	3,083.66	3 3/4	2,722.65	3 3/4	2,322.65	3 3/4	1,942.14	3 3/4	1,544.12
4	4	4,522.40	4	4,266.46	4	3,998.98	4	3,718.89	4	3,426.98	4	3,076.14	4	2,715.13	4	2,315.13	4	1,938.12	4	1,540.10
4 1/4	4 1/4	4,516.27	4 1/4	4,261.04	4 1/4	3,993.28	4 1/4	3,712.94	4 1/4	3,420.71	4 1/4	3,068.62	4 1/4	2,707.60	4 1/4	2,310.60	4 1/4	1,934.10	4 1/4	1,536.08
4 1/2	4 1/2	4,510.14	4 1/2	4,255.60	4 1/2	3,987.56	4 1/2	3,706.96	4 1/2	3,414.17	4 1/2	3,061.10	4 1/2	2,700.08	4 1/2	2,306.08	4 1/2	1,930.08	4 1/2	1,532.06
4 3/4	4 3/4	4,505.81	4 3/4	4,250.16	4 3/4	3,981.83	4 3/4	3,700.98	4 3/4	3,407.62	4 3/4	3,053.58	4 3/4	2,692.56	4 3/4	2,292.56	4 3/4	1,926.06	4 3/4	1,528.04
5	5	4,500.58	5	4,244.73	5	3,976.11	5	3,695.01	5	3,401.07	5	3,046.06	5	2,686.04	5	2,286.04	5	1,922.04	5	1,524.02
5 1/4	5 1/4	4,495.35	5 1/4	4,239.29	5 1/4	3,970.38	5 1/4	3,689.03	5 1/4	3,394.52	5 1/4	3,038.54	5 1/4	2,677.51	5 1/4	2,277.51	5 1/4	1,918.02	5 1/4	1,520.00
5 1/2	5 1/2	4,490.10	5 1/2	4,233.83	5 1/2	3,964.64	5 1/2	3,683.03	5 1/2	3,387.70	5 1/2	3,031.02	5 1/2	2,669.99	5 1/2	2,273.99	5 1/2	1,914.00	5 1/2	1,516.00
5 3/4	5 3/4	4,484.85	5 3/4	4,228.37	5 3/4	3,958.89	5 3/4	3,681.04	5 3/4	3,380.87	5 3/4	3,023.50	5 3/4	2,662.47	5 3/4	2,270.47	5 3/4	1,910.00	5 3/4	1,512.00
6	6	4,478.60	6	4,222.91	6	3,953.14	6	3,674.06	6	3,374.06	6	3,015.98	6	2,654.95	6	2,260.95	6	1,906.00	6	1,508.00
6 1/4	6 1/4	4,473.35	6 1/4	4,217.45	6 1/4	3,947.39	6 1/4	3,665.05	6 1/4	3,367.22	6 1/4	3,008.46	6 1/4	2,647.43	6 1/4	2,257.43	6 1/4	1,902.00	6 1/4	1,504.00
6 1/2	6 1/2	4,468.09	6 1/2	4,211.97	6 1/2	3,941.62	6 1/2	3,659.02	6 1/2	3,360.10	6 1/2	3,000.93	6 1/2	2,639.90	6 1/2	2,253.90	6 1/2	1,898.00	6 1/2	1,500.00
6 3/4	6 3/4	4,463.82	6 3/4	4,206.49	6 3/4	3,935.86	6 3/4	3,653.02	6 3/4	3,353.02	6 3/4	2,993.41	6 3/4	2,632.38	6 3/4	2,250.38	6 3/4	1,894.00	6 3/4	1,496.00
7	7	4,458.55	7	4,201.01	7	3,930.09	7	3,646.98	7	3,345.91	7	2,985.89	7	2,624.86	7	2,246.86	7	1,890.00	7	1,492.00
7 1/4	7 1/4	4,453.28	7 1/4	4,195.53	7 1/4	3,924.32	7 1/4	3,640.95	7 1/4	3,338.81	7 1/4	2,978.37	7 1/4	2,617.34	7 1/4	2,243.34	7 1/4	1,886.00	7 1/4	1,488.00
7 1/2	7 1/2	4,447.99	7 1/2	4,190.03	7 1/2	3,918.54	7 1/2	3,634.91	7 1/2	3,331.43	7 1/2	2,970.86	7 1/2	2,609.81	7 1/2	2,239.81	7 1/2	1,882.00	7 1/2	1,484.00
7 3/4	7 3/4	4,442.70	7 3/4	4,184.52	7 3/4	3,912.75	7 3/4	3,628.88	7 3/4	3,324.05	7 3/4	2,963.33	7 3/4	2,602.29	7 3/4	2,236.29	7 3/4	1,878.00	7 3/4	1,480.00
8	8	4,437.41	8	4,179.02	8	3,906.96	8	3,622.84	8	3,316.66	8	2,955.81	8	2,594.77	8	2,232.77	8	1,874.00	8	1,476.00
8 1/4	8 1/4	4,432.12	8 1/4	4,173.52	8 1/4	3,901.18	8 1/4	3,616.80	8 1/4	3,309.28	8 1/4	2,948.29	8 1/4	2,587.25	8 1/4	2,228.25	8 1/4	1,870.00	8 1/4	1,472.00
8 1/2	8 1/2	4,426.85	8 1/2	4,167.97	8 1/2	3,895.37	8 1/2	3,610.74	8 1/2	3,301.76	8 1/2	2,940.77	8 1/2	2,579.73	8 1/2	2,224.73	8 1/2	1,866.00	8 1/2	1,468.00
8 3/4	8 3/4	4,421.57	8 3/4	4,162.41	8 3/4	3,889.56	8 3/4	3,604.68	8 3/4	3,294.24	8 3/4	2,933.26	8 3/4	2,572.20	8 3/4	2,221.20	8 3/4	1,862.00	8 3/4	1,464.00
9	9	4,416.30	9	4,156.85	9	3,883.75	9	3,598.62	9	3,286.72	9	2,925.73	9	2,564.68	9	2,217.68	9	1,858.00	9	1,460.00
9 1/4	9 1/4	4,411.03	9 1/4	4,151.29	9 1/4	3,877.94	9 1/4	3,592.57	9 1/4	3,279.20	9 1/4	2,918.21	9 1/4	2,557.16	9 1/4	2,214.16	9 1/4	1,854.00	9 1/4	1,456.00
9 1/2	9 1/2	4,405.73	9 1/2	4,145.71	9 1/2	3,872.11	9 1/2	3,586.48	9 1/2	3,271.68	9 1/2	2,910.69	9 1/2	2,549.64	9 1/2	2,210.64	9 1/2	1,850.00	9 1/2	1,452.00
9 3/4	9 3/4	4,400.44	9 3/4	4,140.13	9 3/4	3,866.28	9 3/4	3,580.40	9 3/4	3,264.16	9 3/4	2,903.17	9 3/4	2,542.11	9 3/4	2,207.11	9 3/4	1,846.00	9 3/4	1,448.00
10	10	4,395.15	10	4,134.55	10	3,860.45	10	3,574.31	10	3,256.64	10	2,895.64	10	2,534.59	10	2,203.59	10	1,842.00	10	1,444.00
10 1/4	10 1/4	4,389.86	10 1/4	4,128.97	10 1/4	3,854.62	10 1/4	3,568.23	10 1/4	3,249.12	10 1/4	2,888.12	10 1/4	2,527.07	10 1/4	2,200.07	10 1/4	1,838.00	10 1/4	1,440.00
10 1/2	10 1/2	4,384.54	10 1/2	4,123.37	10 1/2	3,848.77	10 1/2	3,562.13	10 1/2	3,241.60	10 1/2	2,880.60	10 1/2	2,519.55	10 1/2	2,196.55	10 1/2	1,834.00	10 1/2	1,436.00
10 3/4	10 3/4	4,379.23	10 3/4	4,117.77	10 3/4	3,842.91	10 3/4	3,556.03	10 3/4	3,234.08	10 3/4	2,873.08	10 3/4	2,512.03	10 3/4	2,193.03	10 3/4	1,830.00	10 3/4	1,432.00
11	11	4,373.91	11	4,112.17	11	3,837.06	11	3,549.93	11	3,226.56	11	2,865.56	11	2,504.50	11	2,189.50	11	1,826.00	11	1,428.00
11 1/4	11 1/4	4,368.59	11 1/4	4,106.57	11 1/4	3,831.20	11 1/4	3,543.83	11 1/4	3,219.03	11 1/4	2,858.04	11 1/4	2,496.98	11 1/4	2,185.98	11 1/4	1,822.00	11 1/4	1,424.00
11 1/2	11 1/2	4,363.26	11 1/2	4,100.95	11 1/2	3,825.33														



BARGE "KIRBY 28030"

3 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.	
H	M	H	M	H	M	H	M	H	M	H	M	H	M	H	M	H	M	H	M
0	2,474.41	0	2,113.35	0	1,752.28	0	1,391.22	0	1,030.43	0	669.90	0	308.84	0		0		0	
1/4	2,466.89	1/4	2,105.83	1/4	1,744.76	1/4	1,383.70	1/4	1,022.93	1/4	662.37	1/4	301.32	1/4		1/4		1/4	
1/2	2,459.37	1/2	2,098.30	1/2	1,737.24	1/2	1,376.17	1/2	1,015.43	1/2	654.85	1/2	293.80	1/2		1/2		1/2	
3/4	2,451.85	3/4	2,090.78	3/4	1,729.72	3/4	1,368.65	3/4	1,007.94	3/4	647.33	3/4	286.28	3/4		3/4		3/4	
1	2,444.33	1	2,083.26	1	1,722.19	1	1,361.13	1	1,000.44	1	639.81	1	278.76	1		1		1	
1/4	2,436.80	1/4	2,075.74	1/4	1,714.67	1/4	1,353.61	1/4	992.94	1/4	632.29	1/4	271.23	1/4		1/4		1/4	
1/2	2,429.28	1/2	2,068.22	1/2	1,707.15	1/2	1,346.08	1/2	985.44	1/2	624.76	1/2	263.71	1/2		1/2		1/2	
3/4	2,421.76	3/4	2,060.69	3/4	1,699.63	3/4	1,338.56	3/4	977.95	3/4	617.24	3/4	256.19	3/4		3/4		3/4	
1	2,414.24	1	2,053.17	1	1,692.11	1	1,331.04	1	970.45	1	609.72	1	248.67	1		1		1	
1/4	2,406.72	1/4	2,045.65	1/4	1,684.58	1/4	1,323.52	1/4	962.95	1/4	602.20	1/4	241.15	1/4		1/4		1/4	
1/2	2,399.19	1/2	2,038.13	1/2	1,677.06	1/2	1,316.00	1/2	955.46	1/2	594.68	1/2	233.62	1/2		1/2		1/2	
3/4	2,391.67	3/4	2,030.61	3/4	1,669.54	3/4	1,308.47	3/4	947.96	3/4	587.15	3/4	226.10	3/4		3/4		3/4	
1	2,384.15	1	2,023.08	1	1,662.02	1	1,300.95	1	940.46	1	579.63	1	218.58	1		1		1	
1/4	2,376.63	1/4	2,015.56	1/4	1,654.50	1/4	1,293.43	1/4	932.96	1/4	572.11	1/4	211.06	1/4		1/4		1/4	
1/2	2,369.10	1/2	2,008.04	1/2	1,646.97	1/2	1,285.91	1/2	925.47	1/2	564.59	1/2	203.54	1/2		1/2		1/2	
3/4	2,361.58	3/4	2,000.52	3/4	1,639.45	3/4	1,278.39	3/4	917.97	3/4	557.07	3/4	196.02	3/4		3/4		3/4	
1	2,354.06	1	1,992.99	1	1,631.93	1	1,270.86	1	910.47	1	549.54	1	188.49	1		1		1	
1/4	2,346.54	1/4	1,985.47	1/4	1,624.41	1/4	1,263.34	1/4	902.98	1/4	542.02	1/4	180.97	1/4		1/4		1/4	
1/2	2,339.02	1/2	1,977.95	1/2	1,616.88	1/2	1,255.82	1/2	895.48	1/2	534.50	1/2	173.45	1/2		1/2		1/2	
3/4	2,331.49	3/4	1,970.43	3/4	1,609.36	3/4	1,248.30	3/4	887.98	3/4	526.98	3/4	165.93	3/4		3/4		3/4	
1	2,323.97	1	1,962.91	1	1,601.84	1	1,240.77	1	880.48	1	519.46	1	158.41	1		1		1	
1/4	2,316.45	1/4	1,955.38	1/4	1,594.32	1/4	1,233.25	1/4	872.99	1/4	511.94	1/4	150.88	1/4		1/4		1/4	
1/2	2,308.93	1/2	1,947.86	1/2	1,586.80	1/2	1,225.73	1/2	865.46	1/2	504.41	1/2	143.36	1/2		1/2		1/2	
3/4	2,301.40	3/4	1,940.34	3/4	1,579.27	3/4	1,218.21	3/4	857.94	3/4	496.89	3/4	135.84	3/4		3/4		3/4	
1	2,293.88	1	1,932.82	1	1,571.75	1	1,210.69	1	850.42	1	489.37	1	128.32	1		1		1	
1/4	2,286.36	1/4	1,925.29	1/4	1,564.23	1/4	1,203.16	1/4	842.90	1/4	481.85	1/4	120.80	1/4		1/4		1/4	
1/2	2,278.84	1/2	1,917.77	1/2	1,556.71	1/2	1,195.64	1/2	835.38	1/2	474.33	1/2	113.27	1/2		1/2		1/2	
3/4	2,271.32	3/4	1,910.25	3/4	1,549.18	3/4	1,188.12	3/4	827.85	3/4	466.80	3/4	105.75	3/4		3/4		3/4	
1	2,263.79	1	1,902.73	1	1,541.66	1	1,180.60	1	820.33	1	459.28	1	98.23	1		1		1	
1/4	2,256.27	1/4	1,895.21	1/4	1,534.14	1/4	1,173.07	1/4	812.81	1/4	451.78	1/4	90.71	1/4		1/4		1/4	
1/2	2,248.75	1/2	1,887.68	1/2	1,526.62	1/2	1,165.55	1/2	805.29	1/2	444.24	1/2	83.19	1/2		1/2		1/2	
3/4	2,241.23	3/4	1,880.16	3/4	1,519.10	3/4	1,158.03	3/4	797.77	3/4	436.72	3/4	75.66	3/4		3/4		3/4	
1	2,233.70	1	1,872.64	1	1,511.57	1	1,150.51	1	790.25	1	429.19	1	68.14	1		1		1	
1/4	2,226.18	1/4	1,865.12	1/4	1,504.05	1/4	1,142.99	1/4	782.72	1/4	421.67	1/4	60.62	1/4		1/4		1/4	
1/2	2,218.66	1/2	1,857.59	1/2	1,496.53	1/2	1,135.46	1/2	775.20	1/2	414.15	1/2	54.04	1/2		1/2		1/2	
3/4	2,211.14	3/4	1,850.07	3/4	1,489.01	3/4	1,127.94	3/4	767.68	3/4	406.63	3/4	47.46	3/4		3/4		3/4	
1	2,203.62	1	1,842.55	1	1,481.48	1	1,120.42	1	760.16	1	399.11	1	40.87	1		1		1	
1/4	2,196.09	1/4	1,835.03	1/4	1,473.96	1/4	1,112.90	1/4	752.64	1/4	391.58	1/4	34.29	1/4		1/4		1/4	
1/2	2,188.57	1/2	1,827.51	1/2	1,466.44	1/2	1,105.40	1/2	745.11	1/2	384.06	1/2	29.59	1/2		1/2		1/2	
3/4	2,181.05	3/4	1,819.98	3/4	1,458.92	3/4	1,097.90	3/4	737.59	3/4	376.54	3/4	24.89	3/4		3/4		3/4	
1	2,173.53	1	1,812.46	1	1,451.40	1	1,090.41	1	730.07	1	369.02	1	20.19	1		1		1	
1/4	2,166.00	1/4	1,804.94	1/4	1,443.87	1/4	1,082.91	1/4	722.55	1/4	361.50	1/4	15.49	1/4		1/4		1/4	
1/2	2,158.48	1/2	1,797.42	1/2	1,436.35	1/2	1,075.41	1/2	715.03	1/2	353.98	1/2		1/2		1/2		1/2	
3/4	2,150.96	3/4	1,789.89	3/4	1,428.83	3/4	1,067.91	3/4	707.50	3/4	346.45	3/4		3/4		3/4		3/4	
1	2,143.44	1	1,782.37	1	1,421.31	1	1,060.42	1	699.98	1	338.93	1		1		1		1	
1/4	2,135.92	1/4	1,774.85	1/4	1,413.78	1/4	1,052.92	1/4	692.46	1/4	331.41	1/4		1/4		1/4		1/4	
1/2	2,128.39	1/2	1,767.33	1/2	1,406.26	1/2	1,045.42	1/2	684.94	1/2	323.89	1/2		1/2		1/2		1/2	
3/4	2,120.87	3/4	1,759.81	3/4	1,398.74	3/4	1,037.92	3/4	677.42	3/4	316.37	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 5093
Pearland, Texas 77648
Http://www.pmarcord.net

BARGE "KIRBY 28030"

3 STBD ULLAGE TABLE



GAUGE HEIGHT 16'-10 1/2"

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	2,464.48	0	2,103.62	0	1,745.69	0	1,394.86	0	1,027.52	0	673.83	0	316.65	0		0		0	
1/4	2,456.96	1/4	2,096.10	1/4	1,738.24	1/4	1,377.34	1/4	1,020.15	1/4	666.48	1/4	309.13	1/4		1/4		1/4	
1/2	2,449.45	1/2	2,088.58	1/2	1,730.78	1/2	1,369.82	1/2	1,012.77	1/2	659.13	1/2	301.81	1/2		1/2		1/2	
3/4	2,441.93	3/4	2,081.12	3/4	1,723.26	3/4	1,362.30	3/4	1,005.40	3/4	651.78	3/4	294.09	3/4		3/4		3/4	
1	2,434.41	1	2,073.67	1	1,715.74	1	1,354.78	1	998.02	1	644.42	1	286.57	1		1		1	
1 1/4	2,426.90	1 1/4	2,066.22	1 1/4	1,708.22	1 1/4	1,347.26	1 1/4	990.64	1 1/4	637.07	1 1/4	279.05	1 1/4		1 1/4		1 1/4	
1 1/2	2,419.38	1 1/2	2,058.76	1 1/2	1,700.70	1 1/2	1,339.74	1 1/2	983.27	1 1/2	629.72	1 1/2	271.53	1 1/2		1 1/2		1 1/2	
1 3/4	2,411.87	1 3/4	2,051.31	1 3/4	1,693.18	1 3/4	1,332.22	1 3/4	976.89	1 3/4	622.37	1 3/4	264.01	1 3/4		1 3/4		1 3/4	
2	2,404.35	2	2,043.85	2	1,685.66	2	1,324.70	2	969.51	2	615.02	2	256.49	2		2		2	
2 1/4	2,396.84	2 1/4	2,036.40	2 1/4	1,678.14	2 1/4	1,317.18	2 1/4	961.14	2 1/4	607.67	2 1/4	248.96	2 1/4		2 1/4		2 1/4	
2 1/2	2,389.32	2 1/2	2,028.95	2 1/2	1,670.62	2 1/2	1,309.66	2 1/2	953.76	2 1/2	600.31	2 1/2	241.44	2 1/2		2 1/2		2 1/2	
2 3/4	2,381.81	2 3/4	2,021.49	2 3/4	1,663.10	2 3/4	1,302.14	2 3/4	946.38	2 3/4	592.96	2 3/4	233.92	2 3/4		2 3/4		2 3/4	
3	2,374.29	3	2,014.04	3	1,655.58	3	1,294.62	3	939.01	3	585.61	3	226.40	3		3		3	
3 1/4	2,366.77	3 1/4	2,006.58	3 1/4	1,648.06	3 1/4	1,287.10	3 1/4	931.63	3 1/4	578.26	3 1/4	218.88	3 1/4		3 1/4		3 1/4	
3 1/2	2,359.26	3 1/2	1,999.13	3 1/2	1,640.54	3 1/2	1,279.58	3 1/2	924.25	3 1/2	570.91	3 1/2	211.36	3 1/2		3 1/2		3 1/2	
3 3/4	2,351.74	3 3/4	1,991.67	3 3/4	1,633.02	3 3/4	1,272.06	3 3/4	916.88	3 3/4	563.54	3 3/4	203.83	3 3/4		3 3/4		3 3/4	
4	2,344.23	4	1,984.22	4	1,625.50	4	1,264.54	4	909.50	4	556.18	4	196.29	4		4		4	
4 1/4	2,336.71	4 1/4	1,976.77	4 1/4	1,617.98	4 1/4	1,257.02	4 1/4	902.13	4 1/4	548.81	4 1/4	188.76	4 1/4		4 1/4		4 1/4	
4 1/2	2,329.20	4 1/2	1,969.31	4 1/2	1,610.46	4 1/2	1,249.50	4 1/2	894.75	4 1/2	541.45	4 1/2	181.23	4 1/2		4 1/2		4 1/2	
4 3/4	2,321.68	4 3/4	1,961.86	4 3/4	1,602.94	4 3/4	1,241.98	4 3/4	887.37	4 3/4	534.07	4 3/4	173.70	4 3/4		4 3/4		4 3/4	
5	2,314.17	5	1,954.40	5	1,595.42	5	1,234.46	5	880.00	5	526.69	5	166.16	5		5		5	
5 1/4	2,306.65	5 1/4	1,946.95	5 1/4	1,587.90	5 1/4	1,226.94	5 1/4	872.62	5 1/4	519.31	5 1/4	158.63	5 1/4		5 1/4		5 1/4	
5 1/2	2,299.14	5 1/2	1,939.50	5 1/2	1,580.38	5 1/2	1,219.42	5 1/2	865.24	5 1/2	511.92	5 1/2	151.10	5 1/2		5 1/2		5 1/2	
5 3/4	2,291.62	5 3/4	1,932.04	5 3/4	1,572.86	5 3/4	1,211.90	5 3/4	857.86	5 3/4	504.47	5 3/4	143.56	5 3/4		5 3/4		5 3/4	
6	2,284.10	6	1,924.59	6	1,565.34	6	1,204.38	6	850.48	6	497.02	6	136.03	6		6		6	
6 1/4	2,276.58	6 1/4	1,917.13	6 1/4	1,557.82	6 1/4	1,197.27	6 1/4	843.10	6 1/4	489.57	6 1/4	128.50	6 1/4		6 1/4		6 1/4	
6 1/2	2,269.06	6 1/2	1,909.68	6 1/2	1,550.30	6 1/2	1,189.89	6 1/2	835.71	6 1/2	482.12	6 1/2	120.97	6 1/2		6 1/2		6 1/2	
6 3/4	2,261.54	6 3/4	1,902.23	6 3/4	1,542.78	6 3/4	1,182.50	6 3/4	828.33	6 3/4	474.59	6 3/4	113.43	6 3/4		6 3/4		6 3/4	
7	2,254.02	7	1,894.77	7	1,535.26	7	1,175.12	7	820.95	7	467.07	7	105.90	7		7		7	
7 1/4	2,246.50	7 1/4	1,887.32	7 1/4	1,527.74	7 1/4	1,167.74	7 1/4	813.57	7 1/4	459.55	7 1/4	98.37	7 1/4		7 1/4		7 1/4	
7 1/2	2,238.98	7 1/2	1,879.86	7 1/2	1,520.22	7 1/2	1,160.36	7 1/2	806.19	7 1/2	452.03	7 1/2	90.84	7 1/2		7 1/2		7 1/2	
7 3/4	2,231.46	7 3/4	1,872.41	7 3/4	1,512.70	7 3/4	1,152.97	7 3/4	798.83	7 3/4	444.51	7 3/4	83.30	7 3/4		7 3/4		7 3/4	
8	2,223.94	8	1,864.95	8	1,505.18	8	1,145.59	8	791.47	8	436.99	8	75.77	8		8		8	
8 1/4	2,216.42	8 1/4	1,857.49	8 1/4	1,497.66	8 1/4	1,138.20	8 1/4	784.10	8 1/4	429.47	8 1/4	68.24	8 1/4		8 1/4		8 1/4	
8 1/2	2,208.90	8 1/2	1,850.05	8 1/2	1,490.14	8 1/2	1,130.82	8 1/2	776.74	8 1/2	421.95	8 1/2	60.71	8 1/2		8 1/2		8 1/2	
8 3/4	2,201.38	8 3/4	1,842.59	8 3/4	1,482.62	8 3/4	1,123.44	8 3/4	769.39	8 3/4	414.43	8 3/4	54.11	8 3/4		8 3/4		8 3/4	
9	2,193.86	9	1,835.14	9	1,475.10	9	1,116.05	9	762.04	9	406.91	9	47.52	9		9		9	
9 1/4	2,186.34	9 1/4	1,827.68	9 1/4	1,467.58	9 1/4	1,108.67	9 1/4	754.69	9 1/4	399.38	9 1/4	40.93	9 1/4		9 1/4		9 1/4	
9 1/2	2,178.82	9 1/2	1,820.23	9 1/2	1,460.06	9 1/2	1,101.29	9 1/2	747.34	9 1/2	391.86	9 1/2	34.34	9 1/2		9 1/2		9 1/2	
9 3/4	2,171.30	9 3/4	1,812.78	9 3/4	1,452.54	9 3/4	1,093.91	9 3/4	739.99	9 3/4	384.34	9 3/4	29.63	9 3/4		9 3/4		9 3/4	
10	2,163.78	10	1,805.32	10	1,445.02	10	1,086.54	10	732.64	10	376.82	10	24.92	10		10		10	
10 1/4	2,156.26	10 1/4	1,797.87	10 1/4	1,437.50	10 1/4	1,079.16	10 1/4	725.29	10 1/4	369.30	10 1/4	20.22	10 1/4		10 1/4		10 1/4	
10 1/2	2,148.74	10 1/2	1,790.41	10 1/2	1,429.98	10 1/2	1,071.78	10 1/2	717.94	10 1/2	361.78	10 1/2	15.51	10 1/2		10 1/2		10 1/2	
10 3/4	2,141.22	10 3/4	1,782.96	10 3/4	1,422.46	10 3/4	1,064.41	10 3/4	710.59	10 3/4	354.26	10 3/4		10 3/4		10 3/4		10 3/4	
11	2,133.70	11	1,775.51	11	1,414.94	11	1,057.03	11	703.24	11	346.74	11		11		11		11	
11 1/4	2,126.18	11 1/4	1,768.05	11 1/4	1,407.42	11 1/4	1,049.65	11 1/4	695.89	11 1/4	339.22	11 1/4		11 1/4		11 1/4		11 1/4	
11 1/2	2,118.66	11 1/2	1,760.60	11 1/2	1,399.90	11 1/2	1,042.28	11 1/2	688.53	11 1/2	331.70	11 1/2		11 1/2		11 1/2		11 1/2	
11 3/4	2,111.14	11 3/4	1,753.14	11 3/4	1,392.38	11 3/4	1,034.90	11 3/4	681.18	11 3/4	324.17	11 3/4		11 3/4		11 3/4		11 3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED: 04/27/2004 CL - 5M
 CALCULATED: 04/27/2004 CL
 PRINTED: 04/27/2004 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 04/2004

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77488
 http://www.pmacorp.net