



KIRBY 29014



Barge Strapping Tables





BARGE "KIRBY 29014"

ULLAGE TRIM TABLE

FORMERLY "KIRBY 30008"

	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	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-1/4	- 01-1/4
1 STBD	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-1/4	- 01-1/4
2 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-1/2	00-1/2
2 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-1/2	00-1/2
3 PORT	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/8	01-1/8
3 STBD	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/8	01-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 PORT IS 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8"

December 20, 2006

LENGTH BETWEEN DRAFT MARKS: 233'-09"

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

<http://www.pmacorp.net>



BARGE "KIRBY 29014"

1 PORT ULLAGE TABLE

FORMERLY "KIRBY 30008"

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	2,471.98	0	2,105.27	0	1,738.68	0	1,372.16	0	1,005.49	0	639.87	0	300.11	0	23.98	0	0	0	0	0	0
1/4	2,464.32	1/4	2,097.63	1/4	1,731.04	1/4	1,364.52	1/4	997.85	1/4	632.36	1/4	293.44	1/4	20.64	1/4	0	0	0	0	0
1/2	2,456.68	1/2	2,089.99	1/2	1,723.41	1/2	1,356.88	1/2	990.22	1/2	624.92	1/2	286.55	1/2	19.50	1/2	0	0	0	0	0
3/4	2,449.04	3/4	2,082.36	3/4	1,715.77	3/4	1,349.24	3/4	982.58	3/4	617.48	3/4	280.27	3/4	18.37	3/4	0	0	0	0	0
1	2,441.40	1	2,074.72	1	1,708.14	1	1,341.60	1	974.95	1	610.03	1	273.68	1	17.24	1	0	0	0	0	0
1 1/4	2,433.76	1 1/4	2,067.08	1 1/4	1,700.50	1 1/4	1,333.96	1 1/4	967.31	1 1/4	602.59	1 1/4	267.09	1 1/4	16.11	1 1/4	0	0	0	0	0
1 1/2	2,426.12	1 1/2	2,059.44	1 1/2	1,692.87	1 1/2	1,326.32	1 1/2	959.68	1 1/2	595.22	1 1/2	260.60	1 1/2	14.98	1 1/2	0	0	0	0	0
1 3/4	2,418.49	1 3/4	2,051.80	1 3/4	1,685.23	1 3/4	1,318.68	1 3/4	952.05	1 3/4	587.85	1 3/4	254.11	1 3/4	13.85	1 3/4	0	0	0	0	0
2	2,410.85	2	2,044.16	2	1,677.60	2	1,311.04	2	944.41	2	580.47	2	247.62	2	12.72	2	0	0	0	0	0
2 1/4	2,403.21	2 1/4	2,036.52	2 1/4	1,669.96	2 1/4	1,303.40	2 1/4	936.78	2 1/4	573.10	2 1/4	241.13	2 1/4	11.59	2 1/4	0	0	0	0	0
2 1/2	2,395.57	2 1/2	2,028.88	2 1/2	1,662.32	2 1/2	1,295.76	2 1/2	929.15	2 1/2	565.80	2 1/2	234.75	2 1/2	10.46	2 1/2	0	0	0	0	0
2 3/4	2,387.93	2 3/4	2,021.25	2 3/4	1,654.69	2 3/4	1,288.13	2 3/4	921.52	2 3/4	558.50	2 3/4	228.36	2 3/4	9.33	2 3/4	0	0	0	0	0
3	2,380.29	3	2,013.61	3	1,647.05	3	1,280.49	3	913.89	3	551.19	3	221.98	3	8.20	3	0	0	0	0	0
3 1/4	2,372.65	3 1/4	2,005.97	3 1/4	1,639.41	3 1/4	1,272.85	3 1/4	906.28	3 1/4	543.89	3 1/4	215.59	3 1/4	7.07	3 1/4	0	0	0	0	0
3 1/2	2,365.01	3 1/2	1,998.33	3 1/2	1,631.78	3 1/2	1,265.21	3 1/2	898.63	3 1/2	536.66	3 1/2	209.31	3 1/2	5.94	3 1/2	0	0	0	0	0
3 3/4	2,357.37	3 3/4	1,990.70	3 3/4	1,624.14	3 3/4	1,257.57	3 3/4	891.00	3 3/4	529.42	3 3/4	203.03	3 3/4	4.81	3 3/4	0	0	0	0	0
4	2,349.73	4	1,983.06	4	1,616.51	4	1,249.93	4	883.37	4	522.19	4	196.75	4	3.68	4	0	0	0	0	0
4 1/4	2,342.09	4 1/4	1,975.42	4 1/4	1,608.87	4 1/4	1,242.29	4 1/4	875.74	4 1/4	514.95	4 1/4	190.47	4 1/4	2.55	4 1/4	0	0	0	0	0
4 1/2	2,334.45	4 1/2	1,967.78	4 1/2	1,601.24	4 1/2	1,234.65	4 1/2	868.11	4 1/2	507.79	4 1/2	184.29	4 1/2	1.42	4 1/2	0	0	0	0	0
4 3/4	2,326.81	4 3/4	1,960.15	4 3/4	1,593.60	4 3/4	1,227.02	4 3/4	860.49	4 3/4	500.62	4 3/4	178.12	4 3/4	0.29	4 3/4	0	0	0	0	0
5	2,319.17	5	1,952.51	5	1,585.97	5	1,219.38	5	852.86	5	493.46	5	171.94	5	0.16	5	0	0	0	0	0
5 1/4	2,311.53	5 1/4	1,944.87	5 1/4	1,578.33	5 1/4	1,211.74	5 1/4	845.23	5 1/4	486.29	5 1/4	165.76	5 1/4	0.03	5 1/4	0	0	0	0	0
5 1/2	2,303.89	5 1/2	1,937.23	5 1/2	1,570.70	5 1/2	1,204.10	5 1/2	837.60	5 1/2	479.19	5 1/2	159.69	5 1/2	0.00	5 1/2	0	0	0	0	0
5 3/4	2,296.26	5 3/4	1,929.60	5 3/4	1,563.06	5 3/4	1,196.46	5 3/4	829.98	5 3/4	472.10	5 3/4	153.62	5 3/4	0.00	5 3/4	0	0	0	0	0
6	2,288.62	6	1,921.96	6	1,555.43	6	1,188.82	6	822.35	6	465.00	6	147.55	6	0.00	6	0	0	0	0	0
6 1/4	2,280.98	6 1/4	1,914.32	6 1/4	1,547.79	6 1/4	1,181.18	6 1/4	814.72	6 1/4	457.87	6 1/4	141.48	6 1/4	0.00	6 1/4	0	0	0	0	0
6 1/2	2,273.34	6 1/2	1,906.68	6 1/2	1,540.16	6 1/2	1,173.54	6 1/2	807.09	6 1/2	450.87	6 1/2	135.51	6 1/2	0.00	6 1/2	0	0	0	0	0
6 3/4	2,265.70	6 3/4	1,899.05	6 3/4	1,532.52	6 3/4	1,165.90	6 3/4	799.46	6 3/4	443.85	6 3/4	129.55	6 3/4	0.00	6 3/4	0	0	0	0	0
7	2,258.06	7	1,891.41	7	1,524.89	7	1,158.26	7	791.83	7	436.82	7	123.58	7	0.00	7	0	0	0	0	0
7 1/4	2,250.42	7 1/4	1,883.77	7 1/4	1,517.25	7 1/4	1,150.62	7 1/4	784.20	7 1/4	429.79	7 1/4	117.61	7 1/4	0.00	7 1/4	0	0	0	0	0
7 1/2	2,242.78	7 1/2	1,876.13	7 1/2	1,509.62	7 1/2	1,142.98	7 1/2	776.57	7 1/2	422.83	7 1/2	111.75	7 1/2	0.00	7 1/2	0	0	0	0	0
7 3/4	2,235.14	7 3/4	1,868.50	7 3/4	1,501.98	7 3/4	1,135.35	7 3/4	768.94	7 3/4	415.87	7 3/4	105.88	7 3/4	0.00	7 3/4	0	0	0	0	0
8	2,227.50	8	1,860.86	8	1,494.35	8	1,127.71	8	761.30	8	408.91	8	100.02	8	0.00	8	0	0	0	0	0
8 1/4	2,219.86	8 1/4	1,853.22	8 1/4	1,486.71	8 1/4	1,120.07	8 1/4	753.67	8 1/4	401.95	8 1/4	94.15	8 1/4	0.00	8 1/4	0	0	0	0	0
8 1/2	2,212.22	8 1/2	1,845.58	8 1/2	1,479.07	8 1/2	1,112.43	8 1/2	746.04	8 1/2	395.06	8 1/2	88.46	8 1/2	0.00	8 1/2	0	0	0	0	0
8 3/4	2,204.58	8 3/4	1,837.95	8 3/4	1,471.44	8 3/4	1,104.79	8 3/4	738.42	8 3/4	388.18	8 3/4	82.76	8 3/4	0.00	8 3/4	0	0	0	0	0
9	2,196.94	9	1,830.31	9	1,463.80	9	1,097.15	9	730.79	9	381.29	9	77.07	9	0.00	9	0	0	0	0	0
9 1/4	2,189.30	9 1/4	1,822.67	9 1/4	1,456.16	9 1/4	1,089.51	9 1/4	723.16	9 1/4	374.40	9 1/4	71.37	9 1/4	0.00	9 1/4	0	0	0	0	0
9 1/2	2,181.66	9 1/2	1,815.04	9 1/2	1,448.53	9 1/2	1,081.87	9 1/2	715.55	9 1/2	367.58	9 1/2	66.26	9 1/2	0.00	9 1/2	0	0	0	0	0
9 3/4	2,174.03	9 3/4	1,807.40	9 3/4	1,440.89	9 3/4	1,074.24	9 3/4	707.93	9 3/4	360.76	9 3/4	61.15	9 3/4	0.00	9 3/4	0	0	0	0	0
10	2,166.39	10	1,799.77	10	1,433.26	10	1,066.60	10	700.32	10	353.93	10	56.04	10	0.00	10	0	0	0	0	0
10 1/4	2,158.75	10 1/4	1,792.13	10 1/4	1,425.62	10 1/4	1,058.96	10 1/4	692.70	10 1/4	347.11	10 1/4	50.93	10 1/4	0.00	10 1/4	0	0	0	0	0
10 1/2	2,151.11	10 1/2	1,784.49	10 1/2	1,417.98	10 1/2	1,051.32	10 1/2	685.13	10 1/2	340.36	10 1/2	46.70	10 1/2	0.00	10 1/2	0	0	0	0	0
10 3/4	2,143.47	10 3/4	1,776.86	10 3/4	1,410.35	10 3/4	1,043.68	10 3/4	677.56	10 3/4	333.62	10 3/4	42.46	10 3/4	0.00	10 3/4	0	0	0	0	0
11	2,135.83	11	1,769.22	11	1,402.71	11	1,036.04	11	669.98	11	326.87	11	38.23	11	0.00	11	0	0	0	0	0
11 1/4	2,128.19	11 1/4	1,761.58	11 1/4	1,395.07	11 1/4	1,028.40	11 1/4	662.41	11 1/4	320.12	11 1/4	33.99	11 1/4	0.00	11 1/4	0	0	0	0	0
11 1/2	2,120.55	11 1/2	1,753.95	11 1/2	1,387.43	11 1/2	1,020.76	11 1/2	654.90	11 1/2	313.45	11 1/2	30.65	11 1/2	0.00	11 1/2	0	0	0	0	0
11 3/4	2,112.91	11 3/4	1,746.31	11 3/4	1,379.80	11 3/4	1,013.13	11 3/4	647.39	11 3/4	306.78	11 3/4	27.32	11 3/4	0.00	11 3/4	0	0	0	0	0

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/06/1996 SI
DECK MEASUREMENTS: 12/20/2008 CL-SW
REPRINTED: 12/20/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2006

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



BARGE "KIRBY 29014"

1 STBD ULLAGE TABLE

FORMERLY "KIRBY 30008"

GAUGE HEIGHT 17'-00" 1/4"

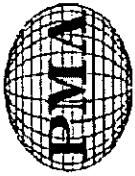
CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.		
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
0	2,470.37	0	2,103.95	0	1,737.57	0	1,371.16	0	1,004.76	0	639.41	0	299.89	0	23.95	0	299.89	0	23.95	0	299.89	0
1/4	2,462.74	1/4	2,096.32	1/4	1,729.94	1/4	1,363.53	1/4	997.13	1/4	631.91	1/4	293.23	1/4	20.62	1/4	293.23	1/4	20.62	1/4	293.23	1/4
1/2	2,455.10	1/2	2,088.68	1/2	1,722.31	1/2	1,355.90	1/2	989.50	1/2	624.47	1/2	286.55	1/2	19.11	1/2	286.55	1/2	19.11	1/2	286.55	1/2
3/4	2,447.47	3/4	2,081.05	3/4	1,714.67	3/4	1,348.26	3/4	981.87	3/4	617.03	3/4	280.06	3/4	17.60	3/4	280.06	3/4	17.60	3/4	280.06	3/4
1	2,439.83	1	2,073.41	1	1,707.04	1	1,340.63	1	974.25	1	609.60	1	273.48	1	16.09	1	273.48	1	16.09	1	273.48	1
1 1/4	2,432.20	1 1/4	2,065.78	1 1/4	1,699.41	1 1/4	1,333.00	1 1/4	966.62	1 1/4	602.16	1 1/4	266.90	1 1/4	14.58	1 1/4	266.90	1 1/4	14.58	1 1/4	266.90	1 1/4
1 1/2	2,424.57	1 1/2	2,058.14	1 1/2	1,691.77	1 1/2	1,325.37	1 1/2	958.99	1 1/2	594.79	1 1/2	260.41	1 1/2	13.06	1 1/2	260.41	1 1/2	13.06	1 1/2	260.41	1 1/2
1 3/4	2,416.93	1 3/4	2,050.51	1 3/4	1,684.14	1 3/4	1,317.73	1 3/4	951.36	1 3/4	587.42	1 3/4	253.93	1 3/4	11.54	1 3/4	253.93	1 3/4	11.54	1 3/4	253.93	1 3/4
2	2,409.30	2	2,042.87	2	1,676.50	2	1,310.10	2	943.74	2	580.06	2	247.44	2	10.02	2	247.44	2	10.02	2	247.44	2
2 1/4	2,401.67	2 1/4	2,035.24	2 1/4	1,668.87	2 1/4	1,302.47	2 1/4	936.11	2 1/4	572.69	2 1/4	240.96	2 1/4	8.50	2 1/4	240.96	2 1/4	8.50	2 1/4	240.96	2 1/4
2 1/2	2,394.03	2 1/2	2,027.61	2 1/2	1,661.24	2 1/2	1,294.83	2 1/2	928.48	2 1/2	565.39	2 1/2	234.58	2 1/2	6.98	2 1/2	234.58	2 1/2	6.98	2 1/2	234.58	2 1/2
2 3/4	2,386.40	2 3/4	2,019.97	2 3/4	1,653.60	2 3/4	1,287.20	2 3/4	920.85	2 3/4	558.09	2 3/4	228.20	2 3/4	5.46	2 3/4	228.20	2 3/4	5.46	2 3/4	228.20	2 3/4
3	2,378.76	3	2,012.34	3	1,645.97	3	1,279.56	3	913.23	3	550.80	3	221.82	3	3.94	3	221.82	3	3.94	3	221.82	3
3 1/4	2,371.13	3 1/4	2,004.71	3 1/4	1,638.34	3 1/4	1,271.93	3 1/4	905.60	3 1/4	543.50	3 1/4	215.44	3 1/4	2.42	3 1/4	215.44	3 1/4	2.42	3 1/4	215.44	3 1/4
3 1/2	2,363.50	3 1/2	1,997.08	3 1/2	1,630.71	3 1/2	1,264.30	3 1/2	897.98	3 1/2	536.27	3 1/2	209.16	3 1/2	0.90	3 1/2	209.16	3 1/2	0.90	3 1/2	209.16	3 1/2
3 3/4	2,355.86	3 3/4	1,989.44	3 3/4	1,623.07	3 3/4	1,256.66	3 3/4	890.35	3 3/4	529.04	3 3/4	202.88	3 3/4	-0.62	3 3/4	202.88	3 3/4	-0.62	3 3/4	202.88	3 3/4
4	2,348.23	4	1,981.81	4	1,615.44	4	1,249.03	4	882.73	4	521.81	4	196.61	4	-2.10	4	196.61	4	-2.10	4	196.61	4
4 1/4	2,340.60	4 1/4	1,974.18	4 1/4	1,607.81	4 1/4	1,241.40	4 1/4	875.11	4 1/4	514.58	4 1/4	190.33	4 1/4	-3.58	4 1/4	190.33	4 1/4	-3.58	4 1/4	190.33	4 1/4
4 1/2	2,332.96	4 1/2	1,966.55	4 1/2	1,600.17	4 1/2	1,233.76	4 1/2	867.49	4 1/2	507.42	4 1/2	184.16	4 1/2	-5.06	4 1/2	184.16	4 1/2	-5.06	4 1/2	184.16	4 1/2
4 3/4	2,325.33	4 3/4	1,958.91	4 3/4	1,592.54	4 3/4	1,226.13	4 3/4	859.86	4 3/4	500.26	4 3/4	177.99	4 3/4	-6.54	4 3/4	177.99	4 3/4	-6.54	4 3/4	177.99	4 3/4
5	2,317.69	5	1,951.28	5	1,584.90	5	1,218.49	5	852.24	5	493.10	5	171.82	5	-8.02	5	171.82	5	-8.02	5	171.82	5
5 1/4	2,310.06	5 1/4	1,943.65	5 1/4	1,577.27	5 1/4	1,210.86	5 1/4	844.62	5 1/4	485.94	5 1/4	165.65	5 1/4	-9.50	5 1/4	165.65	5 1/4	-9.50	5 1/4	165.65	5 1/4
5 1/2	2,302.43	5 1/2	1,936.02	5 1/2	1,569.64	5 1/2	1,203.23	5 1/2	837.00	5 1/2	478.85	5 1/2	159.58	5 1/2	-10.98	5 1/2	159.58	5 1/2	-10.98	5 1/2	159.58	5 1/2
5 3/4	2,294.79	5 3/4	1,928.39	5 3/4	1,562.00	5 3/4	1,195.59	5 3/4	829.37	5 3/4	471.75	5 3/4	153.51	5 3/4	-12.46	5 3/4	153.51	5 3/4	-12.46	5 3/4	153.51	5 3/4
6	2,287.16	6	1,920.76	6	1,554.37	6	1,187.96	6	821.75	6	464.66	6	147.45	6	-13.94	6	147.45	6	-13.94	6	147.45	6
6 1/4	2,279.53	6 1/4	1,913.13	6 1/4	1,546.74	6 1/4	1,180.33	6 1/4	814.13	6 1/4	457.57	6 1/4	141.38	6 1/4	-15.42	6 1/4	141.38	6 1/4	-15.42	6 1/4	141.38	6 1/4
6 1/2	2,271.89	6 1/2	1,905.50	6 1/2	1,539.10	6 1/2	1,172.70	6 1/2	806.51	6 1/2	450.55	6 1/2	135.41	6 1/2	-16.90	6 1/2	135.41	6 1/2	-16.90	6 1/2	135.41	6 1/2
6 3/4	2,264.26	6 3/4	1,897.86	6 3/4	1,531.47	6 3/4	1,165.06	6 3/4	798.88	6 3/4	443.52	6 3/4	129.45	6 3/4	-18.38	6 3/4	129.45	6 3/4	-18.38	6 3/4	129.45	6 3/4
7	2,256.62	7	1,890.23	7	1,523.83	7	1,157.43	7	791.26	7	436.50	7	123.48	7	-20.00	7	123.48	7	-20.00	7	123.48	7
7 1/4	2,248.99	7 1/4	1,882.60	7 1/4	1,516.20	7 1/4	1,149.80	7 1/4	783.64	7 1/4	429.48	7 1/4	117.52	7 1/4	-21.48	7 1/4	117.52	7 1/4	-21.48	7 1/4	117.52	7 1/4
7 1/2	2,241.36	7 1/2	1,874.97	7 1/2	1,508.57	7 1/2	1,142.16	7 1/2	776.01	7 1/2	422.53	7 1/2	111.66	7 1/2	-22.96	7 1/2	111.66	7 1/2	-22.96	7 1/2	111.66	7 1/2
7 3/4	2,233.72	7 3/4	1,867.33	7 3/4	1,500.93	7 3/4	1,134.53	7 3/4	768.38	7 3/4	415.57	7 3/4	105.80	7 3/4	-24.44	7 3/4	105.80	7 3/4	-24.44	7 3/4	105.80	7 3/4
8	2,226.09	8	1,859.70	8	1,493.30	8	1,126.89	8	760.76	8	408.62	8	99.95	8	-25.92	8	99.95	8	-25.92	8	99.95	8
8 1/4	2,218.46	8 1/4	1,852.07	8 1/4	1,485.67	8 1/4	1,119.26	8 1/4	753.13	8 1/4	401.67	8 1/4	94.09	8 1/4	-27.40	8 1/4	94.09	8 1/4	-27.40	8 1/4	94.09	8 1/4
8 1/2	2,210.82	8 1/2	1,844.44	8 1/2	1,478.04	8 1/2	1,111.63	8 1/2	745.51	8 1/2	394.78	8 1/2	88.40	8 1/2	-28.88	8 1/2	88.40	8 1/2	-28.88	8 1/2	88.40	8 1/2
8 3/4	2,203.19	8 3/4	1,836.80	8 3/4	1,470.40	8 3/4	1,103.99	8 3/4	737.88	8 3/4	387.90	8 3/4	82.70	8 3/4	-30.36	8 3/4	82.70	8 3/4	-30.36	8 3/4	82.70	8 3/4
9	2,195.55	9	1,829.17	9	1,462.77	9	1,096.36	9	730.26	9	381.01	9	77.01	9	-31.84	9	77.01	9	-31.84	9	77.01	9
9 1/4	2,187.92	9 1/4	1,821.54	9 1/4	1,455.14	9 1/4	1,088.73	9 1/4	722.64	9 1/4	374.13	9 1/4	71.32	9 1/4	-33.32	9 1/4	71.32	9 1/4	-33.32	9 1/4	71.32	9 1/4
9 1/2	2,180.29	9 1/2	1,813.91	9 1/2	1,447.50	9 1/2	1,081.09	9 1/2	715.03	9 1/2	367.31	9 1/2	66.21	9 1/2	-34.80	9 1/2	66.21	9 1/2	-34.80	9 1/2	66.21	9 1/2
9 3/4	2,172.65	9 3/4	1,806.27	9 3/4	1,439.87	9 3/4	1,073.46	9 3/4	707.42	9 3/4	360.50	9 3/4	61.10	9 3/4	-36.28	9 3/4	61.10	9 3/4	-36.28	9 3/4	61.10	9 3/4
10	2,165.02	10	1,798.64	10	1,432.23	10	1,065.82	10	699.81	10	353.68	10	56.00	10	-37.76	10	56.00	10	-37.76	10	56.00	10
10 1/4	2,157.39	10 1/4	1,791.01	10 1/4	1,424.60	10 1/4	1,058.19	10 1/4	692.20	10 1/4	346.87	10 1/4	50.89	10 1/4	-39.24	10 1/4	50.89	10 1/4	-39.24	10 1/4	50.89	10 1/4
10 1/2	2,149.75	10 1/2	1,783.38	10 1/2	1,416.97	10 1/2	1,050.56	10 1/2	684.63	10 1/2	340.12	10 1/2	46.66	10 1/2	-40.72	10 1/2	46.66	10 1/2	-40.72	10 1/2	46.66	10 1/2
10 3/4	2,142.12	10 3/4	1,775.74	10 3/4	1,408.33	10 3/4	1,042.92	10 3/4	677.06	10 3/4	333.38	10 3/4	42.42	10 3/4	-42.20	10 3/4	42.42	10 3/4	-42.20	10 3/4	42.42	10 3/4
11	2,134.48	11	1,768.11	11	1,401.70	11	1,035.29	11	669.50	11	326.63	11	38.19	11	-43.68	11	38.19	11	-43.68	11	38.19	11
11 1/4	2,126.85	11 1/4	1,760.48	11 1/4	1,394.07	11 1/4	1,027.66	11 1/4	661.93	11 1/4	319.89	11 1/4	33.96	11 1/4	-45.16	11 1/4	33.96	11 1/4	-45.16	11 1/4	33.96	11 1/4
11 1/2	2,119.22	11 1/2	1,752.84	11 1/2	1,386.43	11 1/2	1,020.03	11 1/2	654.42	11 1/2	313.22	11 1/2	30.62	11 1/2	-46.64	11 1/2	30.62	11 1/2	-46.64	11 1/2	30.62	11 1/2
11 3/4	2,111.58	11 3/4	1,745.21	11 3/4	1,378.80	11 3/4	1,012.39	11 3/4	646.92	11 3/4	306.56	11 3/4	27.29	11 3/4	-48.12	11 3/4	27.29	11 3/4	-48.12	11 3/4	27.29	11 3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/06/1996 SI
DECK MEASUREMENTS: 12/20/2006 CL-SW
REPRINTED: 12/20/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/20/06

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



BARGE "KIRBY 29014"

2 PORT ULLAGE TABLE

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

FORMERLY "KIRBY 30008"

GAUGE HEIGHT 17'-00 3/4"

	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.		
0	2,578.13	0	1,848.60	0	1,483.86	0	1,119.66	0	755.69	0	391.58	0
1/4	2,570.53	1/4	1,841.00	1/4	1,476.27	1/4	1,112.07	1/4	748.12	1/4	383.99	1/4
1/2	2,562.93	1/2	1,833.40	1/2	1,468.87	1/2	1,104.49	1/2	740.54	1/2	376.39	1/2
3/4	2,555.33	3/4	1,825.80	3/4	1,461.07	3/4	1,096.90	3/4	732.96	3/4	368.79	3/4
1	2,547.73	1	1,818.20	1	1,453.47	1	1,089.32	1	725.38	1	361.19	1
1 1/4	2,540.13	1 1/4	1,810.61	1 1/4	1,445.87	1 1/4	1,081.73	1 1/4	717.81	1 1/4	353.59	1 1/4
1 1/2	2,532.53	1 1/2	1,803.01	1 1/2	1,438.27	1 1/2	1,074.15	1 1/2	710.23	1 1/2	345.99	1 1/2
3/4	2,524.93	3/4	1,795.41	3/4	1,430.67	3/4	1,066.56	3/4	702.65	3/4	338.39	3/4
2	2,517.33	2	1,787.81	2	1,423.08	2	1,058.98	2	695.07	2	330.79	2
2 1/4	2,509.73	2 1/4	1,780.21	2 1/4	1,415.49	2 1/4	1,051.39	2 1/4	687.50	2 1/4	323.20	2 1/4
1 1/2	2,502.13	1 1/2	1,772.61	1 1/2	1,407.90	1 1/2	1,043.81	1 1/2	679.92	1 1/2	315.60	1 1/2
3/4	2,494.53	3/4	1,765.01	3/4	1,400.31	3/4	1,036.22	3/4	672.34	3/4	308.00	3/4
3	2,486.93	3	1,757.41	3	1,392.73	3	1,028.64	3	664.76	3	300.41	3
3 1/4	2,479.33	3 1/4	1,749.82	3 1/4	1,385.14	3 1/4	1,021.05	3 1/4	657.18	3 1/4	292.81	3 1/4
1 1/2	2,471.73	1 1/2	1,742.22	1 1/2	1,377.56	1 1/2	1,013.47	1 1/2	649.60	1 1/2	285.22	1 1/2
3/4	2,464.13	3/4	1,734.62	3/4	1,369.97	3/4	1,005.88	3/4	642.02	3/4	277.62	3/4
4	2,456.53	4	1,727.02	4	1,362.39	4	998.30	4	634.44	4	270.05	4
4 1/4	2,448.94	4 1/4	1,719.42	4 1/4	1,354.80	4 1/4	990.71	4 1/4	626.87	4 1/4	262.49	4 1/4
1 1/2	2,441.34	1 1/2	1,711.82	1 1/2	1,347.22	1 1/2	983.13	1 1/2	619.29	1 1/2	254.93	1 1/2
3/4	2,433.74	3/4	1,704.22	3/4	1,339.63	3/4	975.54	3/4	611.71	3/4	247.36	3/4
5	2,426.14	5	1,696.62	5	1,332.05	5	967.96	5	604.13	5	239.80	5
5 1/4	2,418.54	5 1/4	1,689.03	5 1/4	1,324.46	5 1/4	960.37	5 1/4	596.56	5 1/4	232.24	5 1/4
1 1/2	2,410.94	1 1/2	1,681.43	1 1/2	1,316.88	1 1/2	952.79	1 1/2	588.98	1 1/2	224.67	1 1/2
3/4	2,403.34	3/4	1,673.83	3/4	1,309.29	3/4	945.20	3/4	581.40	3/4	217.11	3/4
6	2,395.74	6	1,666.23	6	1,301.71	6	937.62	6	573.82	6	209.55	6
6 1/4	2,388.14	6 1/4	1,658.63	6 1/4	1,294.12	6 1/4	930.03	6 1/4	566.24	6 1/4	201.98	6 1/4
1 1/2	2,380.54	1 1/2	1,651.03	1 1/2	1,286.54	1 1/2	922.45	1 1/2	558.66	1 1/2	194.42	1 1/2
3/4	2,372.94	3/4	1,643.43	3/4	1,278.95	3/4	914.86	3/4	551.08	3/4	186.85	3/4
7	2,365.34	7	1,635.83	7	1,271.36	7	907.28	7	543.50	7	179.29	7
7 1/4	2,357.74	7 1/4	1,628.24	7 1/4	1,263.78	7 1/4	899.69	7 1/4	535.92	7 1/4	171.72	7 1/4
1 1/2	2,350.14	1 1/2	1,620.64	1 1/2	1,256.19	1 1/2	892.11	1 1/2	528.34	1 1/2	164.16	1 1/2
3/4	2,342.54	3/4	1,613.04	3/4	1,248.60	3/4	884.52	3/4	520.76	3/4	156.59	3/4
8	2,334.94	8	1,605.44	8	1,241.02	8	876.94	8	513.16	8	149.03	8
8 1/4	2,327.34	8 1/4	1,597.85	8 1/4	1,233.43	8 1/4	869.37	8 1/4	505.57	8 1/4	141.47	8 1/4
1 1/2	2,319.74	1 1/2	1,590.25	1 1/2	1,225.85	1 1/2	861.79	1 1/2	497.97	1 1/2	133.90	1 1/2
3/4	2,312.14	3/4	1,582.65	3/4	1,218.26	3/4	854.21	3/4	490.37	3/4	126.34	3/4
9	2,304.54	9	1,575.05	9	1,210.68	9	846.63	9	482.77	9	118.81	9
9 1/4	2,296.94	9 1/4	1,567.45	9 1/4	1,203.09	9 1/4	839.06	9 1/4	475.17	9 1/4	111.28	9 1/4
1 1/2	2,289.34	1 1/2	1,559.85	1 1/2	1,195.51	1 1/2	831.48	1 1/2	467.57	1 1/2	103.74	1 1/2
3/4	2,281.74	3/4	1,552.25	3/4	1,187.92	3/4	823.90	3/4	459.97	3/4	96.21	3/4
10	2,274.14	10	1,544.65	10	1,180.34	10	816.32	10	452.37	10	88.65	10
10 1/4	2,266.54	10 1/4	1,537.06	10 1/4	1,172.75	10 1/4	808.75	10 1/4	444.78	10 1/4	81.10	10 1/4
1 1/2	2,258.94	1 1/2	1,529.46	1 1/2	1,165.17	1 1/2	801.17	1 1/2	437.18	1 1/2	73.54	1 1/2
3/4	2,251.34	3/4	1,521.86	3/4	1,157.58	3/4	793.59	3/4	429.58	3/4	66.00	3/4
11	2,243.74	11	1,514.26	11	1,150.00	11	786.01	11	421.98	11	58.48	11
11 1/4	2,236.15	11 1/4	1,506.66	11 1/4	1,142.41	11 1/4	778.43	11 1/4	414.38	11 1/4	50.94	11 1/4
1 1/2	2,228.55	1 1/2	1,499.06	1 1/2	1,134.83	1 1/2	770.85	1 1/2	406.78	1 1/2	43.40	1 1/2
3/4	2,220.95	3/4	1,491.46	3/4	1,127.24	3/4	763.27	3/4	399.18	3/4	35.86	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/06/1996 SI
DECK MEASUREMENTS: 12/20/2006 CL-SW
REPRINTED: 12/20/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 122006

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



BARGE "KIRBY 29014"

2 STBD ULLAGE TABLE

FORMERLY "KIRBY 30008"

GAUGE HEIGHT 17'-01 1/2"

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
0	0	0	0	4,732.23	0	4,396.26	0	4,046.61	0	3,685.42	0	3,321.90	0	2,958.39	0	2,594.88	0	2,231.37	0	1,867.86
1/4	1/4	1/4	1/4	4,725.37	1/4	4,389.10	1/4	4,039.19	1/4	3,677.94	1/4	3,314.33	1/4	2,950.81	1/4	2,587.30	1/4	2,223.79	1/4	1,860.28
1/2	1/2	1/2	1/2	4,718.51	1/2	4,381.94	1/2	4,031.77	1/2	3,670.27	1/2	3,306.75	1/2	2,943.24	1/2	2,579.72	1/2	2,217.21	1/2	1,853.70
3/4	3/4	3/4	3/4	4,711.64	3/4	4,374.77	3/4	4,024.34	3/4	3,662.70	3/4	3,299.18	3/4	2,935.67	3/4	2,572.15	3/4	2,210.08	3/4	1,846.57
1	1	1	1	4,704.76	1	4,367.61	1	4,016.91	1	3,655.12	1	3,291.61	1	2,928.10	1	2,564.58	1	2,203.01	1	1,839.46
1 1/4	1 1/4	1 1/4	1 1/4	4,697.89	1 1/4	4,360.44	1 1/4	4,009.47	1 1/4	3,642.55	1 1/4	3,278.46	1 1/4	2,915.22	1 1/4	2,551.49	1 1/4	2,196.46	1 1/4	1,832.35
1 1/2	1 1/2	1 1/2	1 1/2	4,691.01	1 1/2	4,353.27	1 1/2	4,002.04	1 1/2	3,634.97	1 1/2	3,269.87	1 1/2	2,908.11	1 1/2	2,544.38	1 1/2	2,189.34	1 1/2	1,825.24
1 3/4	1 3/4	1 3/4	1 3/4	4,684.11	1 3/4	4,346.08	1 3/4	3,994.58	1 3/4	3,626.40	1 3/4	3,259.74	1 3/4	2,899.23	1 3/4	2,537.27	1 3/4	2,182.23	1 3/4	1,818.13
2	2	2	2	4,677.20	2	4,338.89	2	3,987.12	2	3,617.25	2	3,251.32	2	2,887.80	2	2,524.31	2	2,175.12	2	1,811.02
2 1/4	2 1/4	2 1/4	2 1/4	4,670.30	2 1/4	4,331.70	2 1/4	3,979.66	2 1/4	3,610.19	2 1/4	3,244.45	2 1/4	2,880.33	2 1/4	2,517.32	2 1/4	2,168.01	2 1/4	1,803.91
2 1/2	2 1/2	2 1/2	2 1/2	4,663.39	2 1/2	4,324.51	2 1/2	3,972.20	2 1/2	3,603.68	2 1/2	3,237.74	2 1/2	2,873.62	2 1/2	2,510.31	2 1/2	2,160.90	2 1/2	1,796.80
2 3/4	2 3/4	2 3/4	2 3/4	4,656.47	2 3/4	4,317.30	2 3/4	3,964.72	2 3/4	3,602.11	2 3/4	3,230.60	2 3/4	2,866.49	2 3/4	2,503.48	2 3/4	2,153.79	2 3/4	1,789.69
3	3	3	3	4,649.55	3	4,310.09	3	3,957.25	3	3,594.54	3	3,223.45	3	2,859.33	3	2,496.42	3	2,146.68	3	1,782.58
3 1/4	3 1/4	3 1/4	3 1/4	4,642.62	3 1/4	4,302.88	3 1/4	3,949.77	3 1/4	3,586.96	3 1/4	3,216.34	3 1/4	2,852.23	3 1/4	2,489.32	3 1/4	2,139.57	3 1/4	1,775.47
3 1/2	3 1/2	3 1/2	3 1/2	4,635.70	3 1/2	4,295.67	3 1/2	3,942.29	3 1/2	3,579.39	3 1/2	3,209.23	3 1/2	2,845.12	3 1/2	2,482.21	3 1/2	2,132.46	3 1/2	1,768.36
3 3/4	3 3/4	3 3/4	3 3/4	4,628.75	3 3/4	4,288.44	3 3/4	3,934.78	3 3/4	3,571.82	3 3/4	3,196.07	3 3/4	2,838.01	3 3/4	2,475.10	3 3/4	2,125.35	3 3/4	1,761.25
4	4	4	4	4,621.80	4	4,281.20	4	3,927.28	4	3,564.25	4	3,180.52	4	2,830.90	4	2,468.04	4	2,118.24	4	1,754.14
4 1/4	4 1/4	4 1/4	4 1/4	4,614.85	4 1/4	4,273.97	4 1/4	3,919.77	4 1/4	3,556.67	4 1/4	3,173.01	4 1/4	2,825.88	4 1/4	2,460.93	4 1/4	2,111.13	4 1/4	1,747.03
4 1/2	4 1/2	4 1/2	4 1/2	4,607.90	4 1/2	4,266.73	4 1/2	3,912.26	4 1/2	3,549.10	4 1/2	3,165.25	4 1/2	2,818.77	4 1/2	2,453.82	4 1/2	2,104.02	4 1/2	1,739.92
4 3/4	4 3/4	4 3/4	4 3/4	4,600.94	4 3/4	4,259.47	4 3/4	3,904.74	4 3/4	3,541.53	4 3/4	3,157.39	4 3/4	2,811.64	4 3/4	2,446.71	4 3/4	2,096.91	4 3/4	1,732.81
5	5	5	5	4,593.97	5	4,252.21	5	3,897.22	5	3,533.95	5	3,150.00	5	2,804.55	5	2,439.60	5	2,090.00	5	1,725.70
5 1/4	5 1/4	5 1/4	5 1/4	4,587.01	5 1/4	4,244.95	5 1/4	3,889.69	5 1/4	3,526.38	5 1/4	3,142.44	5 1/4	2,797.65	5 1/4	2,432.49	5 1/4	2,082.89	5 1/4	1,718.59
5 1/2	5 1/2	5 1/2	5 1/2	4,580.04	5 1/2	4,237.69	5 1/2	3,882.17	5 1/2	3,518.80	5 1/2	3,135.29	5 1/2	2,790.54	5 1/2	2,425.38	5 1/2	2,075.78	5 1/2	1,711.48
5 3/4	5 3/4	5 3/4	5 3/4	4,573.05	5 3/4	4,230.40	5 3/4	3,874.62	5 3/4	3,511.23	5 3/4	3,127.78	5 3/4	2,783.43	5 3/4	2,418.27	5 3/4	2,068.67	5 3/4	1,704.37
6	6	6	6	4,566.05	6	4,223.11	6	3,867.07	6	3,503.66	6	3,114.15	6	2,779.12	6	2,411.16	6	2,061.56	6	1,697.26
6 1/4	6 1/4	6 1/4	6 1/4	4,559.06	6 1/4	4,215.81	6 1/4	3,859.52	6 1/4	3,496.08	6 1/4	3,106.64	6 1/4	2,772.01	6 1/4	2,404.05	6 1/4	2,054.45	6 1/4	1,690.15
6 1/2	6 1/2	6 1/2	6 1/2	4,552.06	6 1/2	4,208.52	6 1/2	3,851.97	6 1/2	3,488.51	6 1/2	3,098.10	6 1/2	2,764.88	6 1/2	2,396.94	6 1/2	2,047.34	6 1/2	1,683.04
6 3/4	6 3/4	6 3/4	6 3/4	4,545.05	6 3/4	4,201.21	6 3/4	3,844.41	6 3/4	3,480.94	6 3/4	3,090.63	6 3/4	2,757.75	6 3/4	2,389.80	6 3/4	2,040.23	6 3/4	1,675.93
7	7	7	7	4,538.04	7	4,193.90	7	3,836.85	7	3,473.37	7	3,081.11	7	2,750.66	7	2,382.89	7	2,033.12	7	1,668.82
7 1/4	7 1/4	7 1/4	7 1/4	4,531.03	7 1/4	4,186.59	7 1/4	3,829.29	7 1/4	3,465.79	7 1/4	3,072.84	7 1/4	2,743.76	7 1/4	2,375.93	7 1/4	2,026.01	7 1/4	1,661.71
7 1/2	7 1/2	7 1/2	7 1/2	4,524.02	7 1/2	4,179.28	7 1/2	3,821.73	7 1/2	3,458.22	7 1/2	3,065.33	7 1/2	2,738.83	7 1/2	2,368.00	7 1/2	2,018.90	7 1/2	1,654.60
7 3/4	7 3/4	7 3/4	7 3/4	4,516.98	7 3/4	4,171.95	7 3/4	3,814.16	7 3/4	3,450.65	7 3/4	3,058.44	7 3/4	2,731.91	7 3/4	2,360.07	7 3/4	2,011.79	7 3/4	1,647.49
8	8	8	8	4,509.94	8	4,164.61	8	3,806.59	8	3,443.08	8	3,051.23	8	2,723.82	8	2,352.16	8	2,004.68	8	1,640.38
8 1/4	8 1/4	8 1/4	8 1/4	4,502.90	8 1/4	4,157.28	8 1/4	3,798.01	8 1/4	3,435.50	8 1/4	3,044.07	8 1/4	2,715.07	8 1/4	2,345.29	8 1/4	1,997.57	8 1/4	1,633.27
8 1/2	8 1/2	8 1/2	8 1/2	4,495.86	8 1/2	4,149.94	8 1/2	3,791.44	8 1/2	3,427.93	8 1/2	3,036.41	8 1/2	2,706.06	8 1/2	2,337.40	8 1/2	1,990.46	8 1/2	1,626.16
8 3/4	8 3/4	8 3/4	8 3/4	4,488.78	8 3/4	4,142.59	8 3/4	3,783.87	8 3/4	3,420.36	8 3/4	3,029.89	8 3/4	2,698.11	8 3/4	2,328.69	8 3/4	1,983.35	8 3/4	1,619.05
9	9	9	9	4,481.70	9	4,135.23	9	3,776.30	9	3,412.78	9	3,021.42	9	2,691.22	9	2,320.18	9	1,976.24	9	1,611.94
9 1/4	9 1/4	9 1/4	9 1/4	4,474.62	9 1/4	4,127.88	9 1/4	3,768.72	9 1/4	3,405.21	9 1/4	3,014.91	9 1/4	2,684.16	9 1/4	2,311.67	9 1/4	1,969.13	9 1/4	1,604.83
9 1/2	9 1/2	9 1/2	9 1/2	4,467.54	9 1/2	4,120.52	9 1/2	3,761.15	9 1/2	3,397.63	9 1/2	3,007.41	9 1/2	2,677.01	9 1/2	2,302.56	9 1/2	1,962.02	9 1/2	1,597.72
9 3/4	9 3/4	9 3/4	9 3/4	4,460.43	9 3/4	4,113.14	9 3/4	3,753.58	9 3/4	3,390.06	9 3/4	2,998.33	9 3/4	2,667.03	9 3/4	2,293.51	9 3/4	1,954.91	9 3/4	1,590.61
10	10	10	10	4,453.32	10	4,105.76	10	3,746.00	10	3,382.49	10	2,991.10	10	2,659.86	10	2,286.29	10	1,947.80	10	1,583.50
10 1/4	10 1/4	10 1/4	10 1/4	4,446.20	10 1/4	4,098.38	10 1/4	3,738.43	10 1/4	3,374.91	10 1/4	2,985.40	10 1/4	2,652.66	10 1/4	2,279.18	10 1/4	1,940.69	10 1/4	1,576.39
10 1/2	10 1/2	10 1/2	10 1/2	4,439.09	10 1/2	4,091.00	10 1/2	3,730.85	10 1/2	3,367.34	10 1/2	2,981.11	10 1/2	2,645.55	10 1/2	2,272.07	10 1/2	1,933.58	10 1/2	1,569.28
10 3/4	10 3/4	10 3/4	10 3/4	4,431.96	10 3/4	4,083.61	10 3/4	3,723.28	10 3/4	3,359.77	10 3/4	2,976.62	10 3/4	2,638.46	10 3/4	2,264.96	10 3/4	1,926.47	10 3/4	1,562.17
11	11	11	11	4,424.83	11	4,076.22	11	3,715.71	11	3,352.20	11	2,969.58	11	2,627.35	11	2,257.86	11	1,919.36	11	1,555.06
11 1/4	11 1/4	11 1/4	11 1/4	4,417.70	11 1/4	4,068.63	11 1/4	3,708.13	11 1/4	3,344.62	11 1/4	2,961.11	11 1/4	2,616.24	11 1/4	2,250.75	11 1/4	1,912.25	11 1/4	1,547.95
11 1/2	11 1/2	11 1/2	11 1/2	4,410.57	11 1/2	4,061.44	11 1/2	3,700.56	11 1/2	3,337.05	11 1/2	2,953.59	11 1/2	2,609.13	11 1/2	2,243.64	11 1/2	1,905.14	11 1/2	1,540.84
11 3/4	11 3/4	11 3/4	11 3/4	4,403.41	11 3/4	4,054.02	11 3/4	3,692.99	11 3/4	3,329.48	11 3/4	2,946.02	11 3/4	2,601.02	11 3/4	2,236.53	11 3/4	1,898.03	11 3/4	1,533.73

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 10'-10" OFF CENTERLINE AND 41'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

http://www.pmaacorp.net



BARGE "KIRBY 29014"

2 STBD ULLAGE TABLE

FORMERLY "KIRBY 30008"

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
0	2,594.87	0	2,231.36	0	1,867.89	0	1,504.39	0	1,140.89	0	777.24	0	413.27	0	57.44	0	0	0	0
1/4	2,587.30	1/4	2,223.78	1/4	1,860.32	1/4	1,496.82	1/4	1,133.32	1/4	769.66	1/4	405.69	1/4	51.76	1/4	1/4	1/4	1/4
1/2	2,579.73	1/2	2,216.21	1/2	1,852.75	1/2	1,489.25	1/2	1,125.75	1/2	762.50	1/2	398.11	1/2	46.08	1/2	1/2	1/2	1/2
3/4	2,572.15	3/4	2,208.64	3/4	1,845.18	3/4	1,481.68	3/4	1,118.18	3/4	754.50	3/4	390.53	3/4	41.57	3/4	3/4	3/4	3/4
1	2,564.58	1	2,201.06	1	1,837.60	1	1,474.10	1	1,110.60	1	746.91	1	382.94	1	37.06	1	1	1	1
1 1/4	2,557.00	1 1/4	2,193.49	1 1/4	1,830.03	1 1/4	1,466.53	1 1/4	1,103.03	1 1/4	739.33	1 1/4	375.36	1 1/4	32.55	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,549.43	1 1/2	2,185.92	1 1/2	1,822.46	1 1/2	1,458.96	1 1/2	1,095.46	1 1/2	731.75	1 1/2	367.78	1 1/2	28.04	1 1/2	1 1/2	1 1/2	1 1/2
1 3/4	2,541.86	1 3/4	2,178.35	1 3/4	1,814.89	1 3/4	1,451.39	1 3/4	1,087.89	1 3/4	724.17	1 3/4	360.20	1 3/4	24.00	1 3/4	1 3/4	1 3/4	1 3/4
2	2,534.28	2	2,170.77	2	1,807.31	2	1,443.81	2	1,080.32	2	716.58	2	352.61	2	20.00	2	2	2	2
2 1/4	2,526.71	2 1/4	2,163.20	2 1/4	1,799.74	2 1/4	1,436.24	2 1/4	1,072.75	2 1/4	709.00	2 1/4	345.03	2 1/4	16.00	2 1/4	2 1/4	2 1/4	2 1/4
2 1/2	2,519.14	2 1/2	2,155.63	2 1/2	1,792.17	2 1/2	1,428.67	2 1/2	1,065.18	2 1/2	701.42	2 1/2	337.45	2 1/2	12.00	2 1/2	2 1/2	2 1/2	2 1/2
2 3/4	2,511.57	2 3/4	2,148.05	2 3/4	1,784.59	2 3/4	1,421.10	2 3/4	1,057.61	2 3/4	693.84	2 3/4	329.87	2 3/4	8.00	2 3/4	2 3/4	2 3/4	2 3/4
3	2,503.99	3	2,140.48	3	1,777.02	3	1,413.52	3	1,050.03	3	686.25	3	322.28	3	4.00	3	3	3	3
3 1/4	2,496.42	3 1/4	2,132.90	3 1/4	1,769.44	3 1/4	1,405.95	3 1/4	1,042.46	3 1/4	678.67	3 1/4	314.70	3 1/4	0.00	3 1/4	3 1/4	3 1/4	3 1/4
3 1/2	2,488.85	3 1/2	2,125.33	3 1/2	1,761.87	3 1/2	1,398.38	3 1/2	1,034.89	3 1/2	671.09	3 1/2	307.12	3 1/2	0.00	3 1/2	3 1/2	3 1/2	3 1/2
3 3/4	2,481.28	3 3/4	2,117.76	3 3/4	1,754.30	3 3/4	1,390.80	3 3/4	1,027.32	3 3/4	663.51	3 3/4	299.54	3 3/4	0.00	3 3/4	3 3/4	3 3/4	3 3/4
4	2,473.70	4	2,110.19	4	1,746.72	4	1,383.23	4	1,019.74	4	655.92	4	291.96	4	0.00	4	4	4	4
4 1/4	2,466.13	4 1/4	2,102.62	4 1/4	1,739.15	4 1/4	1,375.65	4 1/4	1,012.17	4 1/4	648.34	4 1/4	284.39	4 1/4	0.00	4 1/4	4 1/4	4 1/4	4 1/4
4 1/2	2,458.56	4 1/2	2,095.05	4 1/2	1,731.58	4 1/2	1,368.08	4 1/2	1,004.60	4 1/2	640.76	4 1/2	276.81	4 1/2	0.00	4 1/2	4 1/2	4 1/2	4 1/2
4 3/4	2,450.98	4 3/4	2,087.48	4 3/4	1,724.01	4 3/4	1,360.51	4 3/4	997.03	4 3/4	633.18	4 3/4	269.26	4 3/4	0.00	4 3/4	4 3/4	4 3/4	4 3/4
5	2,443.41	5	2,079.90	5	1,716.43	5	1,352.93	5	989.45	5	625.59	5	261.71	5	0.00	5	5	5	5
5 1/4	2,435.83	5 1/4	2,072.33	5 1/4	1,708.86	5 1/4	1,345.36	5 1/4	981.88	5 1/4	618.01	5 1/4	254.16	5 1/4	0.00	5 1/4	5 1/4	5 1/4	5 1/4
5 1/2	2,428.26	5 1/2	2,064.76	5 1/2	1,701.29	5 1/2	1,337.79	5 1/2	974.31	5 1/2	610.43	5 1/2	246.61	5 1/2	0.00	5 1/2	5 1/2	5 1/2	5 1/2
5 3/4	2,420.69	5 3/4	2,057.19	5 3/4	1,693.72	5 3/4	1,330.22	5 3/4	966.74	5 3/4	602.85	5 3/4	239.06	5 3/4	0.00	5 3/4	5 3/4	5 3/4	5 3/4
6	2,413.11	6	2,049.61	6	1,686.14	6	1,322.64	6	959.16	6	595.26	6	231.51	6	0.00	6	6	6	6
6 1/4	2,405.54	6 1/4	2,042.04	6 1/4	1,678.57	6 1/4	1,315.07	6 1/4	951.59	6 1/4	587.68	6 1/4	223.97	6 1/4	0.00	6 1/4	6 1/4	6 1/4	6 1/4
6 1/2	2,397.97	6 1/2	2,034.47	6 1/2	1,671.00	6 1/2	1,307.50	6 1/2	944.02	6 1/2	580.10	6 1/2	216.42	6 1/2	0.00	6 1/2	6 1/2	6 1/2	6 1/2
6 3/4	2,390.40	6 3/4	2,026.90	6 3/4	1,663.43	6 3/4	1,299.93	6 3/4	936.45	6 3/4	572.52	6 3/4	208.87	6 3/4	0.00	6 3/4	6 3/4	6 3/4	6 3/4
7	2,382.82	7	2,019.33	7	1,655.85	7	1,292.35	7	928.87	7	564.93	7	201.32	7	0.00	7	7	7	7
7 1/4	2,375.25	7 1/4	2,011.76	7 1/4	1,648.28	7 1/4	1,284.78	7 1/4	921.30	7 1/4	557.35	7 1/4	193.78	7 1/4	0.00	7 1/4	7 1/4	7 1/4	7 1/4
7 1/2	2,367.68	7 1/2	2,004.19	7 1/2	1,640.71	7 1/2	1,277.21	7 1/2	913.73	7 1/2	549.77	7 1/2	186.23	7 1/2	0.00	7 1/2	7 1/2	7 1/2	7 1/2
7 3/4	2,360.10	7 3/4	1,996.62	7 3/4	1,633.14	7 3/4	1,269.64	7 3/4	906.15	7 3/4	542.18	7 3/4	178.68	7 3/4	0.00	7 3/4	7 3/4	7 3/4	7 3/4
8	2,352.53	8	1,989.04	8	1,625.56	8	1,262.06	8	898.56	8	534.60	8	171.13	8	0.00	8	8	8	8
8 1/4	2,344.95	8 1/4	1,981.47	8 1/4	1,617.99	8 1/4	1,254.49	8 1/4	890.98	8 1/4	527.01	8 1/4	163.58	8 1/4	0.00	8 1/4	8 1/4	8 1/4	8 1/4
8 1/2	2,337.38	8 1/2	1,973.90	8 1/2	1,610.42	8 1/2	1,246.92	8 1/2	883.40	8 1/2	519.43	8 1/2	156.03	8 1/2	0.00	8 1/2	8 1/2	8 1/2	8 1/2
8 3/4	2,329.81	8 3/4	1,966.33	8 3/4	1,602.85	8 3/4	1,239.35	8 3/4	875.82	8 3/4	511.85	8 3/4	148.48	8 3/4	0.00	8 3/4	8 3/4	8 3/4	8 3/4
9	2,322.23	9	1,958.75	9	1,595.27	9	1,231.77	9	868.23	9	504.26	9	140.93	9	0.00	9	9	9	9
9 1/4	2,314.66	9 1/4	1,951.18	9 1/4	1,587.70	9 1/4	1,224.20	9 1/4	860.65	9 1/4	496.68	9 1/4	133.39	9 1/4	0.00	9 1/4	9 1/4	9 1/4	9 1/4
9 1/2	2,307.09	9 1/2	1,943.61	9 1/2	1,580.13	9 1/2	1,216.63	9 1/2	853.07	9 1/2	489.10	9 1/2	125.84	9 1/2	0.00	9 1/2	9 1/2	9 1/2	9 1/2
9 3/4	2,299.52	9 3/4	1,936.04	9 3/4	1,572.55	9 3/4	1,209.05	9 3/4	845.49	9 3/4	481.52	9 3/4	118.32	9 3/4	0.00	9 3/4	9 3/4	9 3/4	9 3/4
10	2,291.94	10	1,928.47	10	1,564.98	10	1,201.48	10	837.90	10	473.93	10	110.81	10	0.00	10	10	10	10
10 1/4	2,284.37	10 1/4	1,920.90	10 1/4	1,557.40	10 1/4	1,193.90	10 1/4	830.32	10 1/4	466.35	10 1/4	103.29	10 1/4	0.00	10 1/4	10 1/4	10 1/4	10 1/4
10 1/2	2,276.80	10 1/2	1,913.33	10 1/2	1,549.83	10 1/2	1,186.33	10 1/2	822.74	10 1/2	458.77	10 1/2	95.78	10 1/2	0.00	10 1/2	10 1/2	10 1/2	10 1/2
10 3/4	2,269.23	10 3/4	1,905.76	10 3/4	1,542.26	10 3/4	1,178.76	10 3/4	815.16	10 3/4	451.19	10 3/4	89.04	10 3/4	0.00	10 3/4	10 3/4	10 3/4	10 3/4
11	2,261.65	11	1,898.18	11	1,534.68	11	1,171.18	11	807.57	11	443.60	11	82.29	11	0.00	11	11	11	11
11 1/4	2,254.08	11 1/4	1,890.61	11 1/4	1,527.11	11 1/4	1,163.61	11 1/4	799.99	11 1/4	436.02	11 1/4	75.55	11 1/4	0.00	11 1/4	11 1/4	11 1/4	11 1/4
11 1/2	2,246.51	11 1/2	1,883.04	11 1/2	1,519.54	11 1/2	1,156.04	11 1/2	792.41	11 1/2	428.44	11 1/2	68.81	11 1/2	0.00	11 1/2	11 1/2	11 1/2	11 1/2
11 3/4	2,238.93	11 3/4	1,875.47	11 3/4	1,511.97	11 3/4	1,148.47	11 3/4	784.83	11 3/4	420.86	11 3/4	63.13	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: 09/06/1986 SI
DECK MEASUREMENTS: 12/20/2006 CL-SW
REPRINTED: 12/20/2006 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2006

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



BARGE "KIRBY 29014"

3 PORT ULLAGE TABLE

FORMERLY "KIRBY 30008"

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	N	W
0	2,559.97	0	2,198.73	0	1,837.69	0	1,477.30	0	1,116.81	0	756.29	0	395.51	0	45.99	0	0	0	0	0	0
1/4	2,552.45	1/4	2,191.21	1/4	1,830.18	1/4	1,469.78	1/4	1,109.30	1/4	748.78	1/4	387.98	1/4	41.50	1/4	0	1/4	1/4	1/4	1/4
1/2	2,544.92	1/2	2,183.68	1/2	1,822.68	1/2	1,462.27	1/2	1,101.79	1/2	741.27	1/2	380.45	1/2	37.00	1/2	0	1/2	1/2	1/2	1/2
3/4	2,537.40	3/4	2,176.16	3/4	1,815.17	3/4	1,454.75	3/4	1,094.28	3/4	733.76	3/4	373.93	3/4	32.51	3/4	0	3/4	3/4	3/4	3/4
1	2,529.87	1	2,168.63	1	1,807.66	1	1,447.23	1	1,086.77	1	726.25	1	365.40	1	28.02	1	0	1	1	1	1
1 1/4	2,522.34	1 1/4	2,161.11	1 1/4	1,800.15	1 1/4	1,439.73	1 1/4	1,079.26	1 1/4	718.74	1 1/4	357.87	1 1/4	23.51	1 1/4	0	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,514.82	1 1/2	2,153.58	1 1/2	1,792.65	1 1/2	1,432.23	1 1/2	1,071.75	1 1/2	711.22	1 1/2	350.34	1 1/2	19.00	1 1/2	0	1 1/2	1 1/2	1 1/2	1 1/2
1 3/4	2,507.29	1 3/4	2,146.06	1 3/4	1,785.14	1 3/4	1,424.73	1 3/4	1,064.24	1 3/4	703.71	1 3/4	342.82	1 3/4	14.49	1 3/4	0	1 3/4	1 3/4	1 3/4	1 3/4
2	2,499.76	2	2,138.53	2	1,777.63	2	1,417.23	2	1,056.73	2	696.20	2	335.29	2	9.98	2	0	2	2	2	2
2 1/4	2,492.23	2 1/4	2,131.01	2 1/4	1,770.12	2 1/4	1,409.72	2 1/4	1,048.22	2 1/4	688.69	2 1/4	327.76	2 1/4	5.47	2 1/4	0	2 1/4	2 1/4	2 1/4	2 1/4
2 1/2	2,484.71	2 1/2	2,123.49	2 1/2	1,762.62	2 1/2	1,402.21	2 1/2	1,041.71	2 1/2	681.18	2 1/2	320.23	2 1/2	0.96	2 1/2	0	2 1/2	2 1/2	2 1/2	2 1/2
2 3/4	2,477.18	2 3/4	2,115.96	2 3/4	1,755.11	2 3/4	1,394.70	2 3/4	1,034.19	2 3/4	673.68	2 3/4	312.71	2 3/4	0.45	2 3/4	0	2 3/4	2 3/4	2 3/4	2 3/4
3	2,469.65	3	2,108.44	3	1,747.60	3	1,387.19	3	1,026.68	3	666.17	3	305.18	3	0.94	3	0	3	3	3	3
3 1/4	2,462.13	3 1/4	2,100.92	3 1/4	1,740.09	3 1/4	1,379.68	3 1/4	1,019.17	3 1/4	658.66	3 1/4	297.65	3 1/4	0.43	3 1/4	0	3 1/4	3 1/4	3 1/4	3 1/4
3 1/2	2,454.60	3 1/2	2,093.39	3 1/2	1,732.59	3 1/2	1,372.18	3 1/2	1,011.66	3 1/2	651.15	3 1/2	290.13	3 1/2	0.92	3 1/2	0	3 1/2	3 1/2	3 1/2	3 1/2
3 3/4	2,447.08	3 3/4	2,085.87	3 3/4	1,725.08	3 3/4	1,364.67	3 3/4	1,004.15	3 3/4	643.65	3 3/4	282.60	3 3/4	0.41	3 3/4	0	3 3/4	3 3/4	3 3/4	3 3/4
4	2,439.55	4	2,078.34	4	1,717.57	4	1,357.16	4	996.64	4	636.14	4	275.08	4	0.90	4	0	4	4	4	4
4 1/4	2,432.02	4 1/4	2,070.82	4 1/4	1,710.06	4 1/4	1,349.65	4 1/4	989.13	4 1/4	628.62	4 1/4	267.59	4 1/4	0.39	4 1/4	0	4 1/4	4 1/4	4 1/4	4 1/4
4 1/2	2,424.50	4 1/2	2,063.30	4 1/2	1,702.56	4 1/2	1,342.14	4 1/2	981.62	4 1/2	621.11	4 1/2	260.09	4 1/2	0.88	4 1/2	0	4 1/2	4 1/2	4 1/2	4 1/2
4 3/4	2,416.97	4 3/4	2,055.77	4 3/4	1,695.05	4 3/4	1,334.63	4 3/4	974.11	4 3/4	613.59	4 3/4	252.60	4 3/4	0.37	4 3/4	0	4 3/4	4 3/4	4 3/4	4 3/4
5	2,409.44	5	2,048.25	5	1,687.54	5	1,327.12	5	966.60	5	606.08	5	245.11	5	0.86	5	0	5	5	5	5
5 1/4	2,401.92	5 1/4	2,040.73	5 1/4	1,680.04	5 1/4	1,319.61	5 1/4	959.09	5 1/4	598.56	5 1/4	237.62	5 1/4	0.35	5 1/4	0	5 1/4	5 1/4	5 1/4	5 1/4
5 1/2	2,394.39	5 1/2	2,033.21	5 1/2	1,672.53	5 1/2	1,312.11	5 1/2	951.57	5 1/2	591.04	5 1/2	230.12	5 1/2	0.84	5 1/2	0	5 1/2	5 1/2	5 1/2	5 1/2
5 3/4	2,386.87	5 3/4	2,025.68	5 3/4	1,665.03	5 3/4	1,304.60	5 3/4	944.06	5 3/4	583.53	5 3/4	222.63	5 3/4	0.33	5 3/4	0	5 3/4	5 3/4	5 3/4	5 3/4
6	2,379.34	6	2,018.15	6	1,657.52	6	1,297.09	6	936.55	6	576.01	6	215.14	6	0.82	6	0	6	6	6	6
6 1/4	2,371.81	6 1/4	2,010.63	6 1/4	1,650.01	6 1/4	1,289.58	6 1/4	929.04	6 1/4	568.49	6 1/4	207.64	6 1/4	0.31	6 1/4	0	6 1/4	6 1/4	6 1/4	6 1/4
6 1/2	2,364.29	6 1/2	2,003.11	6 1/2	1,642.51	6 1/2	1,282.07	6 1/2	921.53	6 1/2	560.98	6 1/2	200.15	6 1/2	0.80	6 1/2	0	6 1/2	6 1/2	6 1/2	6 1/2
6 3/4	2,356.76	6 3/4	1,995.58	6 3/4	1,635.00	6 3/4	1,274.55	6 3/4	914.02	6 3/4	553.46	6 3/4	192.65	6 3/4	0.29	6 3/4	0	6 3/4	6 3/4	6 3/4	6 3/4
7	2,349.23	7	1,988.05	7	1,627.49	7	1,267.04	7	906.51	7	545.95	7	185.16	7	0.78	7	0	7	7	7	7
7 1/4	2,341.70	7 1/4	1,980.53	7 1/4	1,619.98	7 1/4	1,259.53	7 1/4	899.00	7 1/4	538.43	7 1/4	177.67	7 1/4	0.27	7 1/4	0	7 1/4	7 1/4	7 1/4	7 1/4
7 1/2	2,334.18	7 1/2	1,973.01	7 1/2	1,612.47	7 1/2	1,252.02	7 1/2	891.48	7 1/2	530.91	7 1/2	170.18	7 1/2	0.76	7 1/2	0	7 1/2	7 1/2	7 1/2	7 1/2
7 3/4	2,326.65	7 3/4	1,965.48	7 3/4	1,604.96	7 3/4	1,244.51	7 3/4	883.97	7 3/4	523.40	7 3/4	162.69	7 3/4	0.25	7 3/4	0	7 3/4	7 3/4	7 3/4	7 3/4
8	2,319.12	8	1,957.96	8	1,597.45	8	1,237.00	8	876.46	8	515.88	8	155.20	8	0.74	8	0	8	8	8	8
8 1/4	2,311.60	8 1/4	1,950.44	8 1/4	1,589.94	8 1/4	1,229.49	8 1/4	868.95	8 1/4	508.36	8 1/4	147.71	8 1/4	0.23	8 1/4	0	8 1/4	8 1/4	8 1/4	8 1/4
8 1/2	2,304.07	8 1/2	1,942.91	8 1/2	1,582.43	8 1/2	1,221.98	8 1/2	861.44	8 1/2	500.84	8 1/2	140.21	8 1/2	0.72	8 1/2	0	8 1/2	8 1/2	8 1/2	8 1/2
8 3/4	2,296.55	8 3/4	1,935.39	8 3/4	1,574.92	8 3/4	1,214.46	8 3/4	853.93	8 3/4	493.33	8 3/4	132.72	8 3/4	0.21	8 3/4	0	8 3/4	8 3/4	8 3/4	8 3/4
9	2,289.02	9	1,927.86	9	1,567.41	9	1,206.95	9	846.42	9	485.81	9	125.23	9	0.70	9	0	9	9	9	9
9 1/4	2,281.50	9 1/4	1,920.34	9 1/4	1,559.90	9 1/4	1,199.44	9 1/4	838.91	9 1/4	478.29	9 1/4	117.77	9 1/4	0.19	9 1/4	0	9 1/4	9 1/4	9 1/4	9 1/4
9 1/2	2,273.97	9 1/2	1,912.82	9 1/2	1,552.39	9 1/2	1,191.93	9 1/2	831.40	9 1/2	470.76	9 1/2	110.31	9 1/2	0.68	9 1/2	0	9 1/2	9 1/2	9 1/2	9 1/2
9 3/4	2,266.45	9 3/4	1,905.29	9 3/4	1,544.88	9 3/4	1,184.41	9 3/4	823.89	9 3/4	463.24	9 3/4	102.85	9 3/4	0.17	9 3/4	0	9 3/4	9 3/4	9 3/4	9 3/4
10	2,258.92	10	1,897.77	10	1,537.37	10	1,176.90	10	816.38	10	455.72	10	95.39	10	0.66	10	0	10	10	10	10
10 1/4	2,251.40	10 1/4	1,890.26	10 1/4	1,529.86	10 1/4	1,169.39	10 1/4	808.87	10 1/4	448.19	10 1/4	88.69	10 1/4	0.15	10 1/4	0	10 1/4	10 1/4	10 1/4	10 1/4
10 1/2	2,243.87	10 1/2	1,882.74	10 1/2	1,522.36	10 1/2	1,161.86	10 1/2	801.35	10 1/2	440.67	10 1/2	81.99	10 1/2	0.64	10 1/2	0	10 1/2	10 1/2	10 1/2	10 1/2
10 3/4	2,236.35	10 3/4	1,875.23	10 3/4	1,514.85	10 3/4	1,154.37	10 3/4	793.84	10 3/4	433.14	10 3/4	75.29	10 3/4	0.13	10 3/4	0	10 3/4	10 3/4	10 3/4	10 3/4
11	2,228.82	11	1,867.71	11	1,507.34	11	1,146.86	11	786.33	11	425.62	11	68.59	11	0.62	11	0	11	11	11	11
11 1/4	2,221.30	11 1/4	1,860.20	11 1/4	1,499.83	11 1/4	1,139.35	11 1/4	778.82	11 1/4	418.09	11 1/4	62.94	11 1/4	0.11	11 1/4	0	11 1/4	11 1/4	11 1/4	11 1/4
11 1/2	2,213.78	11 1/2	1,852.70	11 1/2	1,492.32	11 1/2	1,131.84	11 1/2	771.31	11 1/2	410.56	11 1/2	57.29	11 1/2	0.60	11 1/2	0	11 1/2	11 1/2	11 1/2	11 1/2
11 3/4	2,206.25	11 3/4	1,845.20	11 3/4	1,484.81	11 3/4	1,124.32	11 3/4	763.80	11 3/4	403.04	11 3/4	51.64	11 3/4	0.09	11 3/4	0	11 3/4	11 3/4	11 3/4	11 3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/06/1998 S1
DECK MEASUREMENTS: 12/20/2006 CL-SW
REPRINTED: 12/20/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2006

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



BARGE "KIRBY 29014"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS		FORMERLY "KIRBY 30008"		GAUGE HEIGHT 17'-00" 1/2"					
0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	0	0	4,383.29	0	4,131.96	0	3,869.99	0	3,595.41
1/4	1/4	1/4	4,378.17	1/4	4,126.60	1/4	3,864.43	1/4	3,589.99
1/2	1/2	1/2	4,373.04	1/2	4,121.25	1/2	3,858.87	1/2	3,583.76
3/4	3/4	3/4	4,367.90	3/4	4,115.89	3/4	3,853.30	3/4	3,577.94
1	1	1	4,362.77	1	4,110.52	1	3,847.73	1	3,572.11
1/4	1/4	1/4	4,357.63	1/4	4,105.16	1/4	3,842.15	1/4	3,566.29
1/2	1/2	1/2	4,352.49	1/2	4,099.79	1/2	3,836.58	1/2	3,560.46
3/4	3/4	3/4	4,347.33	3/4	4,094.40	3/4	3,830.99	3/4	3,554.64
2	2	2	4,342.17	2	4,089.02	2	3,825.39	2	3,548.82
1/4	1/4	1/4	4,337.01	1/4	4,083.63	1/4	3,819.80	1/4	3,542.99
1/2	1/2	1/2	4,331.85	1/2	4,078.24	1/2	3,814.20	1/2	3,537.17
3/4	3/4	3/4	4,326.68	3/4	4,072.84	3/4	3,808.58	3/4	3,531.28
3	3	3	4,321.51	3	4,067.44	3	3,802.97	3	3,525.36
1/4	1/4	1/4	4,316.33	1/4	4,062.04	1/4	3,797.35	1/4	3,519.45
1/2	1/2	1/2	4,311.16	1/2	4,056.64	1/2	3,791.73	1/2	3,513.54
3/4	3/4	3/4	4,305.97	3/4	4,051.21	3/4	3,786.09	3/4	3,507.43
4	4	4	4,300.77	4	4,045.79	4	3,780.46	4	3,501.33
1/4	1/4	1/4	4,295.58	1/4	4,040.36	1/4	3,774.82	1/4	3,495.22
1/2	1/2	1/2	4,290.38	1/2	4,034.93	1/2	3,769.18	1/2	3,489.11
3/4	3/4	3/4	4,285.17	3/4	4,029.49	3/4	3,763.53	3/4	3,482.73
5	5	5	4,279.97	5	4,024.05	5	3,757.88	5	3,476.35
1/4	1/4	1/4	4,274.76	1/4	4,018.60	1/4	3,752.22	1/4	3,470.96
1/2	1/2	1/2	4,269.55	1/2	4,013.16	1/2	3,746.57	1/2	3,465.58
3/4	3/4	3/4	4,264.32	3/4	4,007.70	3/4	3,740.81	3/4	3,459.92
6	6	6	4,259.09	6	4,002.24	6	3,735.06	6	3,450.27
1/4	1/4	1/4	4,253.86	1/4	3,996.77	1/4	3,729.30	1/4	3,443.61
1/2	1/2	1/2	4,248.62	1/2	3,991.31	1/2	3,723.54	1/2	3,437.34
3/4	3/4	3/4	4,243.39	3/4	3,985.93	3/4	3,717.72	3/4	3,430.92
7	7	7	4,238.15	7	3,980.36	7	3,711.89	7	3,423.09
1/4	1/4	1/4	4,232.90	1/4	3,974.88	1/4	3,706.07	1/4	3,416.16
1/2	1/2	1/2	4,227.66	1/2	3,969.40	1/2	3,700.24	1/2	3,409.25
3/4	3/4	3/4	4,222.38	3/4	3,963.90	3/4	3,694.41	3/4	3,401.73
8	8	8	4,217.09	8	3,958.40	8	3,688.58	8	3,394.56
1/4	1/4	1/4	4,211.81	1/4	3,952.90	1/4	3,682.74	1/4	3,387.23
1/2	1/2	1/2	4,206.52	1/2	3,947.40	1/2	3,676.91	1/2	3,380.16
3/4	3/4	3/4	4,201.22	3/4	3,941.89	3/4	3,671.10	3/4	3,372.39
9	9	9	4,195.91	9	3,936.38	9	3,665.28	9	3,364.89
1/4	1/4	1/4	4,190.61	1/4	3,930.87	1/4	3,659.47	1/4	3,357.39
1/2	1/2	1/2	4,185.30	1/2	3,925.36	1/2	3,653.65	1/2	3,349.89
3/4	3/4	3/4	4,179.98	3/4	3,919.84	3/4	3,647.83	3/4	3,342.39
10	10	10	4,174.68	10	3,914.31	10	3,642.00	10	3,334.89
1/4	1/4	1/4	4,169.33	1/4	3,908.79	1/4	3,636.18	1/4	3,327.39
1/2	1/2	1/2	4,163.95	1/2	3,903.26	1/2	3,630.35	1/2	3,319.89
3/4	3/4	3/4	4,158.67	3/4	3,897.72	3/4	3,624.53	3/4	3,312.39
11	11	11	4,153.34	11	3,892.19	11	3,618.71	11	3,304.89
1/4	1/4	1/4	4,148.00	1/4	3,886.65	1/4	3,612.88	1/4	3,297.39
1/2	1/2	1/2	4,142.66	1/2	3,881.11	1/2	3,607.06	1/2	3,289.89
3/4	3/4	3/4	4,137.31	3/4	3,875.55	3/4	3,601.24	3/4	3,282.39

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-10" OFF CENTERLINE AND 39'-04" FORWARD OF AFT BULKHEAD.

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

SHEET NO. 11 OF 12



BARGE "KIRBY 29014"

3 STBD ULLAGE TABLE

FORMERLY "KIRBY 30008"

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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	2,552.21	0	2,190.39	0	1,828.51	0	1,466.56	0	1,104.61	0	742.69	0	380.84	0	36.99	0	0	0	0
1/4	2,544.67	1/4	2,182.85	1/4	1,820.97	1/4	1,459.02	1/4	1,097.07	1/4	735.15	1/4	373.30	1/4	32.50	1/4	1/4	1/4	1/4
1/2	2,537.13	1/2	2,175.31	1/2	1,813.43	1/2	1,451.48	1/2	1,089.53	1/2	727.61	1/2	365.76	1/2	28.01	1/2	1/2	1/2	1/2
3/4	2,529.59	3/4	2,167.77	3/4	1,805.89	3/4	1,443.94	3/4	1,081.99	3/4	720.07	3/4	358.22	3/4	28.01	3/4	3/4	3/4	3/4
1	2,522.06	1	2,160.24	1	1,798.35	1	1,436.40	1	1,074.45	1	712.53	1	350.69	1	28.01	1	1	1	1
1 1/4	2,514.52	1 1/4	2,152.70	1 1/4	1,790.81	1 1/4	1,428.85	1 1/4	1,066.91	1 1/4	704.99	1 1/4	343.15	1 1/4	28.01	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,506.98	1 1/2	2,145.16	1 1/2	1,783.27	1 1/2	1,421.31	1 1/2	1,059.37	1 1/2	697.45	1 1/2	335.61	1 1/2	28.01	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,499.44	3/4	2,137.62	3/4	1,775.73	3/4	1,413.77	3/4	1,051.83	3/4	689.91	3/4	328.07	3/4	28.01	3/4	3/4	3/4	3/4
2	2,491.91	2	2,130.09	2	1,768.19	2	1,406.23	2	1,044.29	2	682.37	2	320.54	2	28.01	2	2	2	2
1 1/4	2,484.37	1 1/4	2,122.55	1 1/4	1,760.64	1 1/4	1,398.69	1 1/4	1,036.75	1 1/4	674.83	1 1/4	313.00	1 1/4	28.01	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,476.83	1 1/2	2,115.01	1 1/2	1,753.10	1 1/2	1,391.15	1 1/2	1,029.21	1 1/2	667.29	1 1/2	305.46	1 1/2	28.01	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,469.29	3/4	2,107.47	3/4	1,745.56	3/4	1,383.61	3/4	1,021.67	3/4	659.75	3/4	297.93	3/4	28.01	3/4	3/4	3/4	3/4
3	2,461.76	3	2,099.94	3	1,738.02	3	1,376.07	3	1,014.13	3	652.21	3	290.39	3	28.01	3	3	3	3
1 1/4	2,454.22	1 1/4	2,092.40	1 1/4	1,730.48	1 1/4	1,368.53	1 1/4	1,006.59	1 1/4	644.67	1 1/4	282.86	1 1/4	28.01	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,446.68	1 1/2	2,084.86	1 1/2	1,722.94	1 1/2	1,360.99	1 1/2	999.05	1 1/2	637.13	1 1/2	275.32	1 1/2	28.01	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,439.14	3/4	2,077.32	3/4	1,715.40	3/4	1,353.45	3/4	991.51	3/4	629.59	3/4	267.82	3/4	28.01	3/4	3/4	3/4	3/4
4	2,431.60	4	2,069.79	4	1,707.86	4	1,345.91	4	983.97	4	622.05	4	260.32	4	28.01	4	4	4	4
1 1/4	2,424.06	1 1/4	2,062.25	1 1/4	1,700.32	1 1/4	1,338.37	1 1/4	976.43	1 1/4	614.51	1 1/4	252.81	1 1/4	28.01	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,416.52	1 1/2	2,054.71	1 1/2	1,692.78	1 1/2	1,330.83	1 1/2	968.89	1 1/2	606.97	1 1/2	245.31	1 1/2	28.01	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,408.98	3/4	2,047.17	3/4	1,685.24	3/4	1,323.29	3/4	961.35	3/4	599.43	3/4	237.81	3/4	28.01	3/4	3/4	3/4	3/4
5	2,401.45	5	2,039.63	5	1,677.70	5	1,315.75	5	953.81	5	591.89	5	230.30	5	28.01	5	5	5	5
1 1/4	2,393.91	1 1/4	2,032.09	1 1/4	1,670.16	1 1/4	1,308.20	1 1/4	946.27	1 1/4	584.35	1 1/4	222.80	1 1/4	28.01	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,386.37	1 1/2	2,024.55	1 1/2	1,662.62	1 1/2	1,300.66	1 1/2	938.73	1 1/2	576.81	1 1/2	215.29	1 1/2	28.01	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,378.83	3/4	2,017.01	3/4	1,655.08	3/4	1,293.12	3/4	931.19	3/4	569.27	3/4	207.79	3/4	28.01	3/4	3/4	3/4	3/4
6	2,371.30	6	2,009.48	6	1,647.54	6	1,285.58	6	923.65	6	561.74	6	200.29	6	28.01	6	6	6	6
1 1/4	2,363.76	1 1/4	2,001.94	1 1/4	1,639.99	1 1/4	1,278.04	1 1/4	916.11	1 1/4	554.20	1 1/4	192.78	1 1/4	28.01	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,356.22	1 1/2	1,994.40	1 1/2	1,632.45	1 1/2	1,270.50	1 1/2	908.57	1 1/2	546.66	1 1/2	185.28	1 1/2	28.01	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,348.68	3/4	1,986.86	3/4	1,624.91	3/4	1,262.96	3/4	901.03	3/4	539.12	3/4	177.78	3/4	28.01	3/4	3/4	3/4	3/4
7	2,341.15	7	1,979.32	7	1,617.37	7	1,255.42	7	893.49	7	531.59	7	170.28	7	28.01	7	7	7	7
1 1/4	2,333.61	1 1/4	1,971.78	1 1/4	1,609.83	1 1/4	1,247.88	1 1/4	885.95	1 1/4	524.05	1 1/4	162.77	1 1/4	28.01	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,326.07	1 1/2	1,964.24	1 1/2	1,602.29	1 1/2	1,240.34	1 1/2	878.41	1 1/2	516.51	1 1/2	155.27	1 1/2	28.01	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,318.53	3/4	1,956.70	3/4	1,594.75	3/4	1,232.80	3/4	870.87	3/4	508.97	3/4	147.77	3/4	28.01	3/4	3/4	3/4	3/4
8	2,311.00	8	1,949.16	8	1,587.21	8	1,225.26	8	863.33	8	501.44	8	140.27	8	28.01	8	8	8	8
1 1/4	2,303.46	1 1/4	1,941.62	1 1/4	1,579.67	1 1/4	1,217.71	1 1/4	855.79	1 1/4	493.90	1 1/4	132.76	1 1/4	28.01	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,295.92	1 1/2	1,934.08	1 1/2	1,572.13	1 1/2	1,210.17	1 1/2	848.25	1 1/2	486.36	1 1/2	125.26	1 1/2	28.01	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,288.38	3/4	1,926.54	3/4	1,564.59	3/4	1,202.63	3/4	840.71	3/4	478.82	3/4	117.79	3/4	28.01	3/4	3/4	3/4	3/4
9	2,280.85	9	1,919.00	9	1,557.05	9	1,195.09	9	833.17	9	471.29	9	110.32	9	28.01	9	9	9	9
1 1/4	2,273.31	1 1/4	1,911.46	1 1/4	1,549.50	1 1/4	1,187.55	1 1/4	825.63	1 1/4	463.75	1 1/4	102.85	1 1/4	28.01	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,265.77	1 1/2	1,903.92	1 1/2	1,541.96	1 1/2	1,180.01	1 1/2	818.09	1 1/2	456.21	1 1/2	95.38	1 1/2	28.01	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,258.23	3/4	1,896.38	3/4	1,534.42	3/4	1,172.47	3/4	810.55	3/4	448.67	3/4	88.88	3/4	28.01	3/4	3/4	3/4	3/4
10	2,250.70	10	1,888.84	10	1,526.88	10	1,164.93	10	803.01	10	441.14	10	81.98	10	28.01	10	10	10	10
1 1/4	2,243.16	1 1/4	1,881.30	1 1/4	1,519.34	1 1/4	1,157.39	1 1/4	795.47	1 1/4	433.60	1 1/4	75.27	1 1/4	28.01	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,235.62	1 1/2	1,873.76	1 1/2	1,511.80	1 1/2	1,149.85	1 1/2	787.93	1 1/2	426.06	1 1/2	68.57	1 1/2	28.01	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,228.08	3/4	1,866.22	3/4	1,504.26	3/4	1,142.31	3/4	780.39	3/4	418.52	3/4	62.92	3/4	28.01	3/4	3/4	3/4	3/4
11	2,220.54	11	1,858.68	11	1,496.72	11	1,134.77	11	772.85	11	410.99	11	57.27	11	28.01	11	11	11	11
1 1/4	2,213.00	1 1/4	1,851.13	1 1/4	1,489.18	1 1/4	1,127.23	1 1/4	765.31	1 1/4	403.45	1 1/4	51.62	1 1/4	28.01	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,205.46	1 1/2	1,843.59	1 1/2	1,481.64	1 1/2	1,119.69	1 1/2	757.77	1 1/2	395.91	1 1/2	45.97	1 1/2	28.01	1 1/2	1 1/2	1 1/2	1 1/2
3/4	2,197.92	3/4	1,836.05	3/4	1,474.10	3/4	1,112.15	3/4	750.23	3/4	388.37	3/4	41.48	3/4	28.01	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/08/1986 SI
DECK MEASUREMENTS: 12/20/2006 CL-SW
REPRINTED: 12/20/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/20/06

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