



BARGE "KIRBY 28109"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/2	-00-1/2	00-7/8	-00-7/8	01-3/8	-01-3/8	01-3/4	-01-3/4	02-1/4	-02-1/4	02-3/4	-02-3/4
1 STBD	00-1/2	-00-1/2	00-7/8	-00-7/8	01-3/8	-01-3/8	01-3/4	-01-3/4	02-1/4	-02-1/4	02-3/4	-02-3/4
2 PORT	00-1/2	-00-1/2	00-7/8	-00-7/8	01-3/8	-01-3/8	01-7/8	-01-7/8	02-1/4	-02-1/4	02-3/4	-02-3/4
2 STBD	00-1/2	-00-1/2	00-7/8	-00-7/8	01-3/8	-01-3/8	01-7/8	-01-7/8	02-1/4	-02-1/4	02-3/4	-02-3/4
3 PORT	00-1/2	-00-1/2	00-7/8	-00-7/8	01-3/8	-01-3/8	01-3/4	-01-3/4	02-1/4	-02-1/4	02-3/4	-02-3/4
3 STBD	00-1/2	-00-1/2	00-7/8	-00-7/8	01-3/8	-01-3/8	01-3/4	-01-3/4	02-1/4	-02-1/4	02-3/4	-02-3/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS -00-7/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 1/8"

LENGTH BETWEEN DRAFT MARKS: 241'-09"

July 8, 2009

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



BARGE "KIRBY 28109"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN 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	2,350.97	0	1,984.21	0	1,617.44	0	1,251.32	0	886.77	0	520.26	0	175.03	0		0			
1/4	2,343.33	1/4	1,976.57	1/4	1,609.80	1/4	1,243.68	1/4	879.19	1/4	512.62	1/4	168.33	1/4		1/4		1/4	
1/2	2,335.69	1/2	1,968.93	1/2	1,602.16	1/2	1,236.04	1/2	871.59	1/2	505.00	1/2	161.71	1/2		1/2		1/2	
3/4	2,328.05	3/4	1,961.29	3/4	1,594.52	3/4	1,228.40	3/4	863.99	3/4	497.38	3/4	155.09	3/4		3/4		3/4	
1	2,320.40	1	1,953.65	1	1,586.88	1	1,220.75	1	856.39	1	489.76	1	148.47	1		1		1	
1/4	2,312.76	1/4	1,946.01	1/4	1,579.23	1/4	1,213.11	1/4	848.79	1/4	482.14	1/4	141.85	1/4		1/4		1/4	
1/2	2,305.12	1/2	1,938.37	1/2	1,571.59	1/2	1,205.48	1/2	841.16	1/2	474.58	1/2	135.32	1/2		1/2		1/2	
3/4	2,297.48	3/4	1,930.72	3/4	1,563.95	3/4	1,197.86	3/4	833.54	3/4	467.03	3/4	128.79	3/4		3/4		3/4	
2	2,289.84	2	1,923.08	2	1,556.31	2	1,190.23	2	825.91	2	459.47	2	122.27	2		2		2	
1/4	2,282.20	1/4	1,915.44	1/4	1,548.67	1/4	1,182.60	1/4	818.28	1/4	451.91	1/4	115.74	1/4		1/4		1/4	
1/2	2,274.56	1/2	1,907.80	1/2	1,541.03	1/2	1,175.00	1/2	810.64	1/2	444.44	1/2	109.31	1/2		1/2		1/2	
3/4	2,266.92	3/4	1,900.16	3/4	1,533.39	3/4	1,167.40	3/4	803.00	3/4	436.97	3/4	102.88	3/4		3/4		3/4	
3	2,259.28	3	1,892.52	3	1,525.75	3	1,159.80	3	795.36	3	429.50	3	96.45	3		3		3	
1/4	2,251.64	1/4	1,884.88	1/4	1,518.11	1/4	1,152.20	1/4	787.72	1/4	422.02	1/4	90.02	1/4		1/4		1/4	
1/2	2,244.00	1/2	1,877.24	1/2	1,510.46	1/2	1,144.62	1/2	780.08	1/2	414.64	1/2	83.69	1/2		1/2		1/2	
3/4	2,236.36	3/4	1,869.60	3/4	1,502.82	3/4	1,137.03	3/4	772.43	3/4	407.25	3/4	77.36	3/4		3/4		3/4	
4	2,228.71	4	1,861.95	4	1,495.18	4	1,129.45	4	764.79	4	399.86	4	71.04	4		4		4	
1/4	2,221.07	1/4	1,854.31	1/4	1,487.54	1/4	1,121.86	1/4	757.15	1/4	392.48	1/4	64.71	1/4		1/4		1/4	
1/2	2,213.43	1/2	1,846.67	1/2	1,479.91	1/2	1,114.28	1/2	749.51	1/2	385.17	1/2	58.51	1/2		1/2		1/2	
3/4	2,205.79	3/4	1,839.03	3/4	1,472.29	3/4	1,106.70	3/4	741.87	3/4	377.87	3/4	52.30	3/4		3/4		3/4	
5	2,198.15	5	1,831.39	5	1,464.66	5	1,099.11	5	734.23	5	370.57	5	46.09	5		5		5	
1/4	2,190.51	1/4	1,823.75	1/4	1,457.03	1/4	1,091.53	1/4	726.59	1/4	363.27	1/4	39.88	1/4		1/4		1/4	
1/2	2,182.87	1/2	1,816.11	1/2	1,449.42	1/2	1,083.95	1/2	718.94	1/2	356.05	1/2	34.37	1/2		1/2		1/2	
3/4	2,175.23	3/4	1,808.47	3/4	1,441.81	3/4	1,076.36	3/4	711.30	3/4	348.83	3/4	28.86	3/4		3/4		3/4	
6	2,167.59	6	1,800.83	6	1,434.19	6	1,068.78	6	703.66	6	341.62	6	23.35	6		6		6	
1/4	2,159.95	1/4	1,793.18	1/4	1,426.58	1/4	1,061.20	1/4	696.02	1/4	334.40	1/4	17.84	1/4		1/4		1/4	
1/2	2,152.31	1/2	1,785.54	1/2	1,418.96	1/2	1,053.61	1/2	688.38	1/2	327.27	1/2	14.28	1/2		1/2		1/2	
3/4	2,144.67	3/4	1,777.90	3/4	1,411.35	3/4	1,046.03	3/4	680.74	3/4	320.14	3/4	10.72	3/4		3/4		3/4	
7	2,137.03	7	1,770.26	7	1,403.74	7	1,038.45	7	673.10	7	313.00	7	7.15	7		7		7	
1/4	2,129.38	1/4	1,762.62	1/4	1,396.12	1/4	1,030.86	1/4	665.45	1/4	305.87	1/4	3.59	1/4		1/4		1/4	
1/2	2,121.74	1/2	1,754.98	1/2	1,388.51	1/2	1,023.28	1/2	657.81	1/2	298.82	1/2		1/2		1/2		1/2	
3/4	2,114.10	3/4	1,747.34	3/4	1,380.90	3/4	1,015.70	3/4	650.17	3/4	291.78	3/4		3/4		3/4		3/4	
8	2,106.46	8	1,739.70	8	1,373.28	8	1,008.11	8	642.53	8	284.73	8		8		8		8	
1/4	2,098.82	1/4	1,732.06	1/4	1,365.67	1/4	1,000.53	1/4	634.89	1/4	277.68	1/4		1/4		1/4		1/4	
1/2	2,091.18	1/2	1,724.41	1/2	1,358.05	1/2	992.95	1/2	627.25	1/2	270.72	1/2		1/2		1/2		1/2	
3/4	2,083.54	3/4	1,716.77	3/4	1,350.44	3/4	985.36	3/4	619.61	3/4	263.76	3/4		3/4		3/4		3/4	
9	2,075.90	9	1,709.13	9	1,342.83	9	977.78	9	611.96	9	256.80	9		9		9		9	
1/4	2,068.26	1/4	1,701.49	1/4	1,335.21	1/4	970.20	1/4	604.32	1/4	249.83	1/4		1/4		1/4		1/4	
1/2	2,060.62	1/2	1,693.85	1/2	1,327.60	1/2	962.61	1/2	596.68	1/2	242.96	1/2		1/2		1/2		1/2	
3/4	2,052.98	3/4	1,686.21	3/4	1,319.98	3/4	955.03	3/4	589.04	3/4	236.08	3/4		3/4		3/4		3/4	
10	2,045.34	10	1,678.57	10	1,312.37	10	947.45	10	581.40	10	229.20	10		10		10		10	
1/4	2,037.69	1/4	1,670.93	1/4	1,304.76	1/4	939.86	1/4	573.76	1/4	222.32	1/4		1/4		1/4		1/4	
1/2	2,030.05	1/2	1,663.29	1/2	1,297.13	1/2	932.28	1/2	566.11	1/2	215.53	1/2		1/2		1/2		1/2	
3/4	2,022.41	3/4	1,655.65	3/4	1,289.50	3/4	924.70	3/4	558.47	3/4	208.74	3/4		3/4		3/4		3/4	
11	2,014.77	11	1,648.00	11	1,281.87	11	917.11	11	550.83	11	201.95	11		11		11		11	
1/4	2,007.13	1/4	1,640.36	1/4	1,274.25	1/4	909.53	1/4	543.19	1/4	195.16	1/4		1/4		1/4		1/4	
1/2	1,999.49	1/2	1,632.72	1/2	1,266.60	1/2	901.94	1/2	535.55	1/2	188.45	1/2		1/2		1/2		1/2	
3/4	1,991.85	3/4	1,625.08	3/4	1,258.96	3/4	894.36	3/4	527.90	3/4	181.74	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/08/2009 CL - SW
CALCULATED: 07/08/2009 CL
PRINTED: 07/08/2009 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2009

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "KIRBY 28109"

1 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN 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.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	0	0	0	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
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
13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 53'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28109"

1 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	2,335.97	0	1,969.39	0	1,602.79	0	1,236.84	0	871.31	0	504.75	0	161.63	0	0	0	0	0	0
1/4	2,328.33	1/4	1,961.75	1/4	1,595.15	1/4	1,229.20	1/4	863.69	1/4	497.14	1/4	155.01	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,320.69	1/2	1,954.11	1/2	1,587.51	1/2	1,221.56	1/2	856.06	1/2	489.52	1/2	148.39	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,313.06	3/4	1,946.47	3/4	1,579.87	3/4	1,213.92	3/4	848.44	3/4	481.90	3/4	141.78	3/4	3/4	3/4	3/4	3/4	3/4
1	2,305.42	1	1,938.84	1	1,572.24	1	1,206.29	1	840.80	1	474.35	1	135.25	1	1	1	1	1	1
1/4	2,297.78	1/4	1,931.20	1/4	1,564.60	1/4	1,198.65	1/4	833.16	1/4	466.80	1/4	128.73	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,290.14	1/2	1,923.56	1/2	1,556.96	1/2	1,191.01	1/2	825.53	1/2	459.24	1/2	122.20	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,282.51	3/4	1,915.92	3/4	1,549.32	3/4	1,183.37	3/4	817.89	3/4	451.69	3/4	115.68	3/4	3/4	3/4	3/4	3/4	3/4
2	2,274.87	2	1,908.29	2	1,541.69	2	1,175.75	2	810.25	2	444.22	2	109.25	2	2	2	2	2	2
1/4	2,267.23	1/4	1,900.65	1/4	1,534.05	1/4	1,168.12	1/4	802.61	1/4	436.75	1/4	102.82	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,259.60	1/2	1,893.01	1/2	1,526.41	1/2	1,160.50	1/2	794.97	1/2	429.28	1/2	96.40	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,251.96	3/4	1,885.37	3/4	1,518.77	3/4	1,152.87	3/4	787.34	3/4	421.82	3/4	89.97	3/4	3/4	3/4	3/4	3/4	3/4
3	2,244.32	3	1,877.74	3	1,511.14	3	1,145.26	3	779.70	3	414.43	3	83.65	3	3	3	3	3	3
1/4	2,236.68	1/4	1,870.10	1/4	1,503.50	1/4	1,137.65	1/4	772.06	1/4	407.05	1/4	77.32	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,229.05	1/2	1,862.46	1/2	1,495.86	1/2	1,130.04	1/2	764.42	1/2	399.67	1/2	71.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,221.41	3/4	1,854.82	3/4	1,488.22	3/4	1,122.43	3/4	756.78	3/4	392.28	3/4	64.68	3/4	3/4	3/4	3/4	3/4	3/4
4	2,213.77	4	1,847.19	4	1,480.60	4	1,114.82	4	749.15	4	384.98	4	58.48	4	4	4	4	4	4
1/4	2,206.13	1/4	1,839.55	1/4	1,472.98	1/4	1,107.21	1/4	741.51	1/4	377.68	1/4	52.27	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,198.50	1/2	1,831.91	1/2	1,465.35	1/2	1,099.60	1/2	733.87	1/2	370.39	1/2	46.07	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,190.86	3/4	1,824.27	3/4	1,457.73	3/4	1,091.99	3/4	726.23	3/4	363.09	3/4	39.86	3/4	3/4	3/4	3/4	3/4	3/4
5	2,183.22	5	1,816.64	5	1,450.12	5	1,084.38	5	718.60	5	355.87	5	34.36	5	5	5	5	5	5
1/4	2,175.59	1/4	1,809.00	1/4	1,442.51	1/4	1,076.77	1/4	710.96	1/4	348.66	1/4	28.85	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,167.95	1/2	1,801.36	1/2	1,434.90	1/2	1,069.17	1/2	703.32	1/2	341.45	1/2	23.34	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,160.31	3/4	1,793.72	3/4	1,427.29	3/4	1,061.56	3/4	695.68	3/4	334.23	3/4	17.83	3/4	3/4	3/4	3/4	3/4	3/4
6	2,152.67	6	1,786.09	6	1,419.68	6	1,053.95	6	688.04	6	327.10	6	14.27	6	6	6	6	6	6
1/4	2,145.04	1/4	1,778.45	1/4	1,412.07	1/4	1,046.34	1/4	680.41	1/4	319.98	1/4	10.71	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,137.40	1/2	1,770.81	1/2	1,404.46	1/2	1,038.73	1/2	672.77	1/2	312.85	1/2	7.15	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,129.76	3/4	1,763.17	3/4	1,396.85	3/4	1,031.12	3/4	665.13	3/4	305.72	3/4	3.59	3/4	3/4	3/4	3/4	3/4	3/4
7	2,122.13	7	1,755.54	7	1,389.24	7	1,023.51	7	657.49	7	298.67	7	0	7	7	7	7	7	7
1/4	2,114.49	1/4	1,747.90	1/4	1,381.63	1/4	1,015.90	1/4	649.86	1/4	291.63	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,106.85	1/2	1,740.26	1/2	1,374.02	1/2	1,008.30	1/2	642.22	1/2	284.59	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,099.21	3/4	1,732.62	3/4	1,366.41	3/4	1,000.69	3/4	634.58	3/4	277.54	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
8	2,091.58	8	1,724.99	8	1,358.80	8	993.08	8	626.94	8	270.58	8	0	8	8	8	8	8	8
1/4	2,083.94	1/4	1,717.35	1/4	1,351.19	1/4	985.47	1/4	619.30	1/4	263.63	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,076.30	1/2	1,709.71	1/2	1,343.58	1/2	977.86	1/2	611.67	1/2	256.67	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,068.67	3/4	1,702.07	3/4	1,335.97	3/4	970.25	3/4	604.03	3/4	249.71	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
9	2,061.03	9	1,694.44	9	1,328.36	9	962.64	9	596.39	9	242.83	9	0	9	9	9	9	9	9
1/4	2,053.39	1/4	1,686.80	1/4	1,320.75	1/4	955.03	1/4	588.75	1/4	235.96	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,045.75	1/2	1,679.16	1/2	1,313.14	1/2	947.43	1/2	581.11	1/2	229.09	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,038.12	3/4	1,671.52	3/4	1,305.53	3/4	939.82	3/4	573.48	3/4	222.21	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
10	2,030.48	10	1,663.89	10	1,297.90	10	932.21	10	565.84	10	215.42	10	0	10	10	10	10	10	10
1/4	2,022.84	1/4	1,656.25	1/4	1,290.28	1/4	924.60	1/4	558.20	1/4	208.63	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,015.20	1/2	1,648.61	1/2	1,282.65	1/2	916.99	1/2	550.56	1/2	201.85	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,007.57	3/4	1,640.97	3/4	1,275.03	3/4	909.38	3/4	542.92	3/4	195.06	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
11	1,999.93	11	1,633.34	11	1,267.39	11	901.77	11	535.28	11	188.35	11	0	11	11	11	11	11	11
1/4	1,992.30	1/4	1,625.70	1/4	1,259.75	1/4	894.16	1/4	527.65	1/4	181.65	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,984.66	1/2	1,618.06	1/2	1,252.12	1/2	886.55	1/2	520.01	1/2	174.95	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,977.02	3/4	1,610.42	3/4	1,244.48	3/4	878.94	3/4	512.37	3/4	168.24	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/08/2009 CL - SW
 CALCULATED: 07/08/2009 CL
 PRINTED: 07/08/2009 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 07/2009

PRECISION MEASUREMENT
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BARGE "KIRBY 28109"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN 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.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
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
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
13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 52'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28109"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	2,376.30	2,012.19	1,648.08	1,287.85	937.46	576.39	212.24	0	0	0	0	0	0	0	0	0	0	0	0
1/2	2,368.72	1,640.49	1,280.26	930.19	568.80	204.65	0	0	0	0	0	0	0	0	0	0	0	0	0
3/4	2,361.13	1,272.67	922.92	561.21	197.07	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	2,353.55	1,272.67	922.92	561.21	197.07	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 1/4	2,345.96	1,257.50	908.37	546.04	181.90	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 1/2	2,338.38	1,250.07	901.09	538.45	174.32	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 3/4	2,330.79	1,242.63	893.80	530.87	166.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	2,323.20	1,235.19	886.52	523.28	159.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 1/4	2,315.62	1,227.76	879.24	515.69	151.59	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 1/2	2,308.03	1,220.49	871.80	508.11	144.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 3/4	2,300.45	1,213.22	864.37	500.52	136.46	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	2,292.86	1,205.94	856.93	492.94	128.90	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 1/4	2,285.28	1,198.67	849.50	485.35	121.33	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 1/2	2,277.69	1,191.41	841.91	477.76	113.79	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 3/4	2,270.11	1,184.16	834.32	470.18	106.24	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	2,262.52	1,176.90	826.74	462.59	98.70	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 1/4	2,254.93	1,169.64	819.15	455.00	91.15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 1/2	2,247.35	1,162.39	811.57	447.42	83.64	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 3/4	2,239.76	1,155.13	803.98	439.83	76.13	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	2,232.18	1,147.88	796.39	432.24	68.62	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 1/4	2,224.59	1,140.62	788.81	424.66	61.11	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 1/2	2,217.01	1,133.36	781.22	417.07	54.20	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 3/4	2,209.42	1,126.11	773.63	409.48	47.30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	2,201.84	1,118.85	766.05	401.90	40.39	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 1/4	2,194.25	1,111.60	758.46	394.31	33.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 1/2	2,186.67	1,104.34	750.88	386.72	28.43	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 3/4	2,179.08	1,097.09	743.29	379.14	23.38	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	2,171.49	1,089.83	735.70	371.55	18.32	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 1/4	2,163.91	1,082.58	728.12	363.96	13.27	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 1/2	2,156.32	1,075.32	720.53	356.38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 3/4	2,148.74	1,068.07	712.94	348.79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	2,141.15	1,060.81	705.36	341.21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 1/4	2,133.57	1,053.55	697.77	333.62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 1/2	2,125.98	1,046.30	690.19	326.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 3/4	2,118.40	1,039.04	682.60	318.45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	2,110.81	1,031.79	675.01	310.86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 1/4	2,103.22	1,024.53	667.42	303.27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 1/2	2,095.64	1,017.28	659.84	295.69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 3/4	2,088.05	1,010.02	652.25	288.10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	2,080.47	1,002.77	644.67	280.51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 1/4	2,072.88	995.51	637.08	272.93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 1/2	2,065.30	988.26	629.49	265.34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 3/4	2,057.71	981.01	621.91	257.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	2,050.13	973.75	614.32	250.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 1/4	2,042.54	966.49	606.73	242.58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 1/2	2,034.95	959.23	599.15	234.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 3/4	2,027.37	951.98	591.56	227.41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	2,019.78	944.72	583.97	219.82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/08/2009 CL - SW
 CALCULATED: 07/08/2009 CL
 PRINTED: 07/08/2009 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 07/2009

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77588
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BARGE "KIRBY 28109"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN 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.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 52'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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 Pearland, Texas 77588
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BARGE "KIRBY 28109"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	2,384.41	0	2,020.31	0	1,656.19	0	1,295.95	0	932.90	0	569.80	0	204.65	0	0	0	0	0	0
1/4	2,376.82	1/4	2,012.72	1/4	1,648.60	1/4	1,288.37	1/4	925.33	1/4	561.21	1/4	197.07	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,369.24	1/2	2,005.13	1/2	1,641.02	1/2	1,280.78	1/2	917.76	1/2	553.63	1/2	189.48	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,361.65	3/4	1,997.55	3/4	1,633.43	3/4	1,273.19	3/4	910.18	3/4	546.04	3/4	181.90	3/4	3/4	3/4	3/4	3/4	3/4
1	2,354.07	1	1,989.96	1	1,625.84	1	1,265.61	1	902.60	1	538.45	1	174.32	1	1	1	1	1	1
1/4	2,346.48	1/4	1,982.38	1/4	1,618.26	1/4	1,258.02	1/4	895.01	1/4	530.87	1/4	166.75	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,338.90	1/2	1,974.79	1/2	1,610.67	1/2	1,250.43	1/2	887.43	1/2	523.28	1/2	159.17	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,331.31	3/4	1,967.20	3/4	1,603.09	3/4	1,242.85	3/4	879.84	3/4	515.69	3/4	151.59	3/4	3/4	3/4	3/4	3/4	3/4
2	2,323.72	2	1,959.62	2	1,595.50	2	1,235.27	2	872.25	2	508.11	2	144.03	2	2	2	2	2	2
1/4	2,316.14	1/4	1,952.03	1/4	1,587.91	1/4	1,227.70	1/4	864.67	1/4	500.52	1/4	136.46	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,308.55	1/2	1,944.45	1/2	1,580.33	1/2	1,220.13	1/2	857.08	1/2	492.94	1/2	128.90	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,300.97	3/4	1,936.86	3/4	1,572.74	3/4	1,212.55	3/4	849.49	3/4	485.35	3/4	121.33	3/4	3/4	3/4	3/4	3/4	3/4
3	2,293.38	3	1,929.28	3	1,565.24	3	1,204.99	3	841.91	3	477.76	3	113.79	3	3	3	3	3	3
1/4	2,285.80	1/4	1,921.69	1/4	1,557.73	1/4	1,197.43	1/4	834.32	1/4	470.18	1/4	106.24	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,278.21	1/2	1,914.10	1/2	1,550.23	1/2	1,189.87	1/2	826.74	1/2	462.59	1/2	98.70	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,270.63	3/4	1,906.52	3/4	1,542.72	3/4	1,182.32	3/4	819.15	3/4	455.00	3/4	91.15	3/4	3/4	3/4	3/4	3/4	3/4
4	2,263.04	4	1,898.93	4	1,535.30	4	1,174.76	4	811.56	4	447.42	4	83.64	4	4	4	4	4	4
1/4	2,255.45	1/4	1,891.35	1/4	1,527.88	1/4	1,167.20	1/4	803.98	1/4	439.83	1/4	76.13	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,247.87	1/2	1,883.76	1/2	1,520.45	1/2	1,159.64	1/2	796.39	1/2	432.24	1/2	68.62	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,240.28	3/4	1,876.18	3/4	1,513.03	3/4	1,152.09	3/4	788.81	3/4	424.66	3/4	61.11	3/4	3/4	3/4	3/4	3/4	3/4
5	2,232.70	5	1,868.59	5	1,505.61	5	1,144.53	5	781.22	5	417.07	5	54.20	5	5	5	5	5	5
1/4	2,225.11	1/4	1,861.00	1/4	1,498.18	1/4	1,136.97	1/4	773.63	1/4	409.48	1/4	47.30	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,217.53	1/2	1,853.42	1/2	1,490.76	1/2	1,129.42	1/2	766.05	1/2	401.90	1/2	40.39	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,209.94	3/4	1,845.83	3/4	1,483.34	3/4	1,121.86	3/4	758.46	3/4	394.31	3/4	33.49	3/4	3/4	3/4	3/4	3/4	3/4
6	2,202.36	6	1,838.25	6	1,475.91	6	1,114.30	6	750.88	6	386.72	6	28.43	6	6	6	6	6	6
1/4	2,194.77	1/4	1,830.66	1/4	1,468.49	1/4	1,106.74	1/4	743.29	1/4	379.14	1/4	23.38	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,187.19	1/2	1,823.07	1/2	1,461.07	1/2	1,099.19	1/2	735.70	1/2	371.55	1/2	18.32	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,179.60	3/4	1,815.49	3/4	1,453.64	3/4	1,091.63	3/4	728.12	3/4	363.96	3/4	13.27	3/4	3/4	3/4	3/4	3/4	3/4
7	2,172.01	7	1,807.90	7	1,446.22	7	1,084.07	7	720.53	7	356.38	7	7	7	7	7	7	7	7
1/4	2,164.43	1/4	1,800.32	1/4	1,438.79	1/4	1,076.52	1/4	712.94	1/4	348.79	1/4	2	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,156.84	1/2	1,792.73	1/2	1,431.37	1/2	1,068.96	1/2	705.36	1/2	341.21	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,149.26	3/4	1,785.15	3/4	1,423.95	3/4	1,061.40	3/4	697.77	3/4	333.62	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
8	2,141.67	8	1,777.56	8	1,416.52	8	1,053.84	8	690.19	8	326.03	8	0	8	8	8	8	8	8
1/4	2,134.09	1/4	1,769.97	1/4	1,409.10	1/4	1,046.29	1/4	682.60	1/4	318.45	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,126.50	1/2	1,762.39	1/2	1,401.67	1/2	1,038.73	1/2	675.01	1/2	310.86	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,118.92	3/4	1,754.80	3/4	1,394.25	3/4	1,031.17	3/4	667.42	3/4	303.27	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
9	2,111.33	9	1,747.22	9	1,386.75	9	1,023.61	9	659.84	9	295.69	9	0	9	9	9	9	9	9
1/4	2,103.74	1/4	1,739.63	1/4	1,379.24	1/4	1,016.06	1/4	652.25	1/4	288.10	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,096.16	1/2	1,732.04	1/2	1,371.74	1/2	1,008.50	1/2	644.67	1/2	280.51	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,088.57	3/4	1,724.46	3/4	1,364.23	3/4	1,000.94	3/4	637.08	3/4	272.93	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
10	2,080.99	10	1,716.87	10	1,356.64	10	993.39	10	629.49	10	265.34	10	0	10	10	10	10	10	10
1/4	2,073.40	1/4	1,709.29	1/4	1,349.06	1/4	985.83	1/4	621.91	1/4	257.75	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,065.82	1/2	1,701.70	1/2	1,341.47	1/2	978.27	1/2	614.32	1/2	250.17	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,058.23	3/4	1,694.12	3/4	1,333.88	3/4	970.71	3/4	606.73	3/4	242.58	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4
11	2,050.65	11	1,686.53	11	1,326.30	11	963.16	11	599.15	11	234.99	11	0	11	11	11	11	11	11
1/4	2,043.06	1/4	1,678.94	1/4	1,318.71	1/4	955.60	1/4	591.56	1/4	227.41	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,035.48	1/2	1,671.36	1/2	1,311.13	1/2	948.04	1/2	583.97	1/2	219.82	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,027.89	3/4	1,663.77	3/4	1,303.54	3/4	940.48	3/4	576.39	3/4	212.24	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/08/2009 CL - SW
 CALCULATED: 07/08/2009 CL
 PRINTED: 07/08/2009 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 07/2009

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



BARGE "KIRBY 28109"

3 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN 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.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 52'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28109"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN 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	2,284.75	0	1,920.95	0	1,557.28	0	1,197.99	0	843.91	0	486.32	0	122.78	0	0	0	0	0	0
1/4	2,277.17	1/4	1,913.37	1/4	1,549.73	1/4	1,190.42	1/4	836.53	1/4	478.72	1/4	116.45	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,269.59	1/2	1,905.79	1/2	1,542.17	1/2	1,182.86	1/2	829.16	1/2	471.12	1/2	110.12	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,262.01	3/4	1,898.21	3/4	1,534.62	3/4	1,175.30	3/4	821.78	3/4	463.52	3/4	103.79	3/4	3/4	3/4	3/4	3/4	3/4
1	2,254.43	1	1,890.63	1	1,527.06	1	1,167.73	1	814.40	1	455.92	1	97.45	1	1	1	1	1	1
1/4	2,246.85	1/4	1,883.05	1/4	1,519.51	1/4	1,160.27	1/4	807.01	1/4	448.32	1/4	92.39	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,239.27	1/2	1,875.47	1/2	1,511.95	1/2	1,152.82	1/2	799.63	1/2	440.72	1/2	87.33	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,231.69	3/4	1,867.89	3/4	1,504.39	3/4	1,145.36	3/4	792.24	3/4	433.12	3/4	82.27	3/4	3/4	3/4	3/4	3/4	3/4
2	2,224.12	2	1,860.32	2	1,496.84	2	1,137.90	2	784.85	2	425.52	2	77.21	2	2	2	2	2	2
1/4	2,216.54	1/4	1,852.74	1/4	1,489.28	1/4	1,130.55	1/4	777.46	1/4	417.92	1/4	73.43	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,208.96	1/2	1,845.16	1/2	1,481.73	1/2	1,123.20	1/2	770.07	1/2	410.32	1/2	69.65	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,201.38	3/4	1,837.58	3/4	1,474.17	3/4	1,115.85	3/4	762.68	3/4	402.72	3/4	65.87	3/4	3/4	3/4	3/4	3/4	3/4
3	2,193.80	3	1,830.00	3	1,466.61	3	1,108.50	3	755.29	3	395.12	3	62.08	3	3	3	3	3	3
1/4	2,186.22	1/4	1,822.42	1/4	1,459.14	1/4	1,101.15	1/4	747.90	1/4	387.52	1/4	59.59	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,178.64	1/2	1,814.84	1/2	1,451.67	1/2	1,093.81	1/2	740.51	1/2	379.92	1/2	57.09	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,171.06	3/4	1,807.26	3/4	1,444.19	3/4	1,086.47	3/4	733.12	3/4	372.32	3/4	54.59	3/4	3/4	3/4	3/4	3/4	3/4
4	2,163.48	4	1,799.68	4	1,436.72	4	1,079.12	4	725.73	4	364.72	4	52.09	4	4	4	4	4	4
1/4	2,155.90	1/4	1,792.10	1/4	1,429.31	1/4	1,071.78	1/4	718.34	1/4	357.12	1/4	50.89	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,148.32	1/2	1,784.52	1/2	1,421.90	1/2	1,064.44	1/2	710.95	1/2	349.52	1/2	49.69	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,140.75	3/4	1,776.94	3/4	1,414.50	3/4	1,057.10	3/4	703.56	3/4	341.92	3/4	48.50	3/4	3/4	3/4	3/4	3/4	3/4
5	2,133.17	5	1,769.36	5	1,407.09	5	1,049.75	5	696.17	5	334.32	5	47.30	5	5	5	5	5	5
1/4	2,125.59	1/4	1,761.78	1/4	1,399.67	1/4	1,042.41	1/4	688.79	1/4	326.72	1/4	46.11	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,118.01	1/2	1,754.21	1/2	1,392.26	1/2	1,035.07	1/2	681.40	1/2	319.12	1/2	44.92	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,110.43	3/4	1,746.63	3/4	1,384.84	3/4	1,027.73	3/4	674.01	3/4	311.52	3/4	43.73	3/4	3/4	3/4	3/4	3/4	3/4
6	2,102.85	6	1,739.05	6	1,377.42	6	1,020.39	6	666.62	6	303.92	6	42.54	6	6	6	6	6	6
1/4	2,095.27	1/4	1,731.47	1/4	1,370.00	1/4	1,013.04	1/4	659.23	1/4	296.32	1/4	41.35	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,087.69	1/2	1,723.89	1/2	1,362.58	1/2	1,005.70	1/2	651.84	1/2	288.72	1/2	40.16	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,080.11	3/4	1,716.31	3/4	1,355.17	3/4	998.36	3/4	644.45	3/4	281.12	3/4	38.97	3/4	3/4	3/4	3/4	3/4	3/4
7	2,072.53	7	1,708.73	7	1,347.75	7	991.02	7	637.06	7	273.52	7	37.78	7	7	7	7	7	7
1/4	2,064.95	1/4	1,701.15	1/4	1,340.33	1/4	983.67	1/4	629.67	1/4	265.92	1/4	36.59	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,057.38	1/2	1,693.57	1/2	1,332.91	1/2	976.33	1/2	622.28	1/2	258.32	1/2	35.40	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,049.80	3/4	1,685.99	3/4	1,325.49	3/4	968.99	3/4	614.89	3/4	250.72	3/4	34.21	3/4	3/4	3/4	3/4	3/4	3/4
8	2,042.22	8	1,678.41	8	1,318.07	8	961.65	8	607.50	8	243.12	8	33.02	8	8	8	8	8	8
1/4	2,034.64	1/4	1,670.83	1/4	1,310.66	1/4	954.30	1/4	600.01	1/4	235.52	1/4	31.83	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,027.06	1/2	1,663.25	1/2	1,303.25	1/2	946.94	1/2	592.51	1/2	227.92	1/2	30.64	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,019.48	3/4	1,655.67	3/4	1,295.84	3/4	939.59	3/4	585.02	3/4	220.32	3/4	29.45	3/4	3/4	3/4	3/4	3/4	3/4
9	2,011.90	9	1,648.10	9	1,288.43	9	932.24	9	577.52	9	212.72	9	28.26	9	9	9	9	9	9
1/4	2,004.32	1/4	1,640.52	1/4	1,280.95	1/4	924.88	1/4	569.92	1/4	205.12	1/4	27.07	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,996.74	1/2	1,632.94	1/2	1,273.47	1/2	917.52	1/2	562.32	1/2	197.52	1/2	25.88	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,989.16	3/4	1,625.36	3/4	1,265.98	3/4	910.16	3/4	554.72	3/4	189.92	3/4	24.69	3/4	3/4	3/4	3/4	3/4	3/4
10	1,981.58	10	1,617.78	10	1,258.50	10	902.80	10	547.12	10	182.32	10	23.50	10	10	10	10	10	10
1/4	1,974.01	1/4	1,610.21	1/4	1,250.94	1/4	895.44	1/4	539.52	1/4	174.72	1/4	22.31	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,966.43	1/2	1,602.64	1/2	1,243.37	1/2	888.08	1/2	531.92	1/2	167.12	1/2	21.12	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,958.85	3/4	1,595.08	3/4	1,235.81	3/4	880.72	3/4	524.32	3/4	159.52	3/4	19.93	3/4	3/4	3/4	3/4	3/4	3/4
11	1,951.27	11	1,587.51	11	1,228.24	11	873.36	11	516.72	11	151.92	11	18.74	11	11	11	11	11	11
1/4	1,943.69	1/4	1,579.95	1/4	1,220.68	1/4	866.00	1/4	509.12	1/4	144.63	1/4	17.55	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,936.11	1/2	1,572.40	1/2	1,213.12	1/2	858.63	1/2	501.52	1/2	137.35	1/2	16.36	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,928.53	3/4	1,564.84	3/4	1,205.55	3/4	851.27	3/4	493.92	3/4	130.07	3/4	15.17	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/08/2009 CL - SW
CALCULATED: 07/08/2009 CL
PRINTED: 07/08/2009 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2009

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



BARGE "KIRBY 28109"

3 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN 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.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 52'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

http://www.pmacorp.net



BARGE "KIRBY 28109"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN 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	0	1,941.36	0	1,576.42	0	1,215.36	0	851.47	0	486.55	0	122.84	0	0	0	0	0	0	0
1/4	1/4	2,298.69	1/4	1,933.76	1/4	1,568.82	1/4	1,207.75	1/4	843.88	1/4	116.51	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	2,291.09	1/2	1,926.15	1/2	1,561.21	1/2	1,200.15	1/2	836.29	1/2	110.17	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	2,283.49	3/4	1,918.55	3/4	1,553.61	3/4	1,192.55	3/4	828.70	3/4	103.84	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	2,275.88	1	1,910.95	1	1,546.01	1	1,184.94	1	821.11	1	97.50	1	1	1	1	1	1	1
1/4	1/4	2,268.28	1/4	1,903.34	1/4	1,538.40	1/4	1,177.34	1/4	813.50	1/4	92.44	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	2,260.68	1/2	1,895.74	1/2	1,530.80	1/2	1,169.74	1/2	805.90	1/2	87.38	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	2,253.08	3/4	1,888.14	3/4	1,523.20	3/4	1,162.13	3/4	798.30	3/4	82.31	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2,245.47	2	1,880.53	2	1,515.60	2	1,154.53	2	790.69	2	77.25	2	2	2	2	2	2	2
1/4	1/4	2,237.87	1/4	1,872.93	1/4	1,507.99	1/4	1,146.94	1/4	783.09	1/4	73.47	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	2,230.27	1/2	1,865.33	1/2	1,500.39	1/2	1,139.35	1/2	775.49	1/2	69.68	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	2,222.66	3/4	1,857.73	3/4	1,492.79	3/4	1,131.76	3/4	767.88	3/4	65.90	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	2,215.06	3	1,850.12	3	1,485.18	3	1,124.16	3	760.28	3	62.11	3	3	3	3	3	3	3
1/4	1/4	2,207.46	1/4	1,842.52	1/4	1,477.66	1/4	1,116.59	1/4	752.68	1/4	59.61	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	2,199.86	1/2	1,834.92	1/2	1,470.14	1/2	1,109.01	1/2	745.07	1/2	57.12	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	2,192.25	3/4	1,827.31	3/4	1,462.62	3/4	1,101.44	3/4	737.47	3/4	54.62	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	2,184.65	4	1,819.71	4	1,455.10	4	1,093.86	4	729.87	4	52.12	4	4	4	4	4	4	4
1/4	1/4	2,177.05	1/4	1,812.11	1/4	1,447.66	1/4	1,086.29	1/4	722.26	1/4	50.92	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	2,169.45	1/2	1,804.51	1/2	1,440.21	1/2	1,078.71	1/2	714.66	1/2	49.72	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	2,161.84	3/4	1,796.90	3/4	1,432.77	3/4	1,071.14	3/4	707.06	3/4	48.52	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	2,154.24	5	1,789.30	5	1,425.33	5	1,063.56	5	699.45	5	47.32	5	5	5	5	5	5	5
1/4	1/4	2,146.64	1/4	1,781.70	1/4	1,417.89	1/4	1,055.99	1/4	691.85	1/4	46.11	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	2,139.03	1/2	1,774.09	1/2	1,410.45	1/2	1,048.41	1/2	684.25	1/2	44.91	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	2,131.43	3/4	1,766.49	3/4	1,403.01	3/4	1,040.84	3/4	676.64	3/4	43.70	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	2,123.83	6	1,758.89	6	1,395.57	6	1,033.26	6	669.04	6	42.50	6	6	6	6	6	6	6
1/4	1/4	2,116.23	1/4	1,751.29	1/4	1,388.13	1/4	1,025.69	1/4	661.44	1/4	41.30	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	2,108.62	1/2	1,743.68	1/2	1,380.69	1/2	1,018.12	1/2	653.83	1/2	40.10	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	2,101.02	3/4	1,736.08	3/4	1,373.25	3/4	1,010.54	3/4	646.23	3/4	38.90	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	2,093.42	7	1,728.48	7	1,365.81	7	1,002.97	7	638.63	7	37.70	7	7	7	7	7	7	7
1/4	1/4	2,085.82	1/4	1,720.87	1/4	1,358.37	1/4	995.39	1/4	631.02	1/4	36.50	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	2,078.21	1/2	1,713.27	1/2	1,350.92	1/2	987.82	1/2	623.42	1/2	35.30	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	2,070.61	3/4	1,705.67	3/4	1,343.48	3/4	980.24	3/4	615.82	3/4	34.10	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	2,063.01	8	1,698.07	8	1,336.04	8	972.67	8	608.21	8	32.90	8	8	8	8	8	8	8
1/4	1/4	2,055.41	1/4	1,690.46	1/4	1,328.60	1/4	965.09	1/4	600.61	1/4	31.70	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	2,047.80	1/2	1,682.86	1/2	1,321.16	1/2	957.52	1/2	593.01	1/2	30.50	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	2,040.20	3/4	1,675.26	3/4	1,313.72	3/4	949.95	3/4	585.40	3/4	29.30	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	2,032.60	9	1,667.65	9	1,306.28	9	942.37	9	577.80	9	28.10	9	9	9	9	9	9	9
1/4	1/4	2,024.99	1/4	1,660.05	1/4	1,298.75	1/4	934.80	1/4	570.19	1/4	26.90	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	2,017.39	1/2	1,652.45	1/2	1,291.23	1/2	927.22	1/2	562.59	1/2	25.70	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	2,009.79	3/4	1,644.84	3/4	1,283.71	3/4	919.65	3/4	554.98	3/4	24.50	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	2,002.19	10	1,637.24	10	1,276.19	10	912.07	10	547.38	10	23.30	10	10	10	10	10	10	10
1/4	1/4	1,994.58	1/4	1,629.64	1/4	1,268.58	1/4	904.50	1/4	539.78	1/4	22.10	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1,986.98	1/2	1,622.04	1/2	1,260.98	1/2	896.93	1/2	532.17	1/2	20.90	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	1,979.38	3/4	1,614.43	3/4	1,253.38	3/4	889.35	3/4	524.57	3/4	19.70	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	1,971.78	11	1,606.83	11	1,245.77	11	881.78	11	516.97	11	18.50	11	11	11	11	11	11	11
1/4	1/4	1,964.17	1/4	1,599.23	1/4	1,238.17	1/4	874.20	1/4	509.36	1/4	17.30	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1,956.57	1/2	1,591.62	1/2	1,230.57	1/2	866.62	1/2	501.76	1/2	16.10	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	1,948.96	3/4	1,584.02	3/4	1,222.96	3/4	859.05	3/4	494.16	3/4	14.90	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/08/2009 CL - SW
CALCULATED: 07/08/2009 CL
PRINTED: 07/08/2009 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2009

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