



# BARGE "KIRBY 28101"

## 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	00-4/8	-00-4/8	01-0/8	-01-0/8	01-4/8	-01-4/8	02-0/8	-02-0/8	02-4/8	-02-4/8	03-0/8	-03-0/8
1 STBD	00-4/8	-00-4/8	01-0/8	-01-0/8	01-4/8	-01-4/8	02-0/8	-02-0/8	02-4/8	-02-4/8	03-0/8	-03-0/8
2 PORT	00-4/8	-00-4/8	01-0/8	-01-0/8	01-4/8	-01-4/8	01-7/8	-01-7/8	02-3/8	-02-3/8	02-7/8	-02-7/8
2 STBD	00-4/8	-00-4/8	01-0/8	-01-0/8	01-4/8	-01-4/8	01-7/8	-01-7/8	02-3/8	-02-3/8	02-7/8	-02-7/8
3 PORT	00-4/8	-00-4/8	00-7/8	-00-7/8	01-3/8	-01-3/8	01-6/8	-01-6/8	02-2/8	-02-2/8	02-6/8	-02-6/8
3 STBD	00-4/8	-00-4/8	00-7/8	-00-7/8	01-3/8	-01-3/8	01-6/8	-01-6/8	02-2/8	-02-2/8	02-6/8	-02-6/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

### EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS -01-0/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 0/8"

LENGTH BETWEEN DRAFT MARKS: 221'-03"

May 15, 2009

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

<http://www.pmacorp.net>





# BARGE "KIRBY 28101"

## 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	2,350.41	0	1,983.74	0	1,617.05	0	1,251.02	0	886.56	0	520.14	0	174.99	0		0		0	
1/4	2,342.77	1/4	1,976.10	1/4	1,609.41	1/4	1,243.38	1/4	878.98	1/4	512.50	1/4	168.29	1/4		1/4		1/4	
1/2	2,335.13	1/2	1,968.46	1/2	1,601.78	1/2	1,235.74	1/2	871.38	1/2	504.88	1/2	161.67	1/2		1/2		1/2	
3/4	2,327.49	3/4	1,960.82	3/4	1,594.14	3/4	1,228.10	3/4	863.78	3/4	497.26	3/4	155.05	3/4		3/4		3/4	
1	2,319.85	1	1,953.18	1	1,586.50	1	1,220.46	1	856.18	1	489.64	1	148.43	1		1		1	
1/4	2,312.21	1/4	1,945.54	1/4	1,578.86	1/4	1,212.82	1/4	848.59	1/4	482.02	1/4	141.82	1/4		1/4		1/4	
1/2	2,304.57	1/2	1,937.90	1/2	1,571.22	1/2	1,205.20	1/2	840.96	1/2	474.47	1/2	135.29	1/2		1/2		1/2	
3/4	2,296.93	3/4	1,930.27	3/4	1,563.58	3/4	1,197.57	3/4	833.34	3/4	466.91	3/4	128.76	3/4		3/4		3/4	
2	2,289.30	2	1,922.63	2	1,555.94	2	1,189.95	2	825.71	2	459.36	2	122.24	2		2		2	
1/4	2,281.66	1/4	1,914.99	1/4	1,548.30	1/4	1,182.32	1/4	818.09	1/4	451.80	1/4	115.71	1/4		1/4		1/4	
1/2	2,274.02	1/2	1,907.35	1/2	1,540.66	1/2	1,174.72	1/2	810.45	1/2	444.33	1/2	109.28	1/2		1/2		1/2	
3/4	2,266.38	3/4	1,899.71	3/4	1,533.02	3/4	1,167.13	3/4	802.81	3/4	436.86	3/4	102.85	3/4		3/4		3/4	
3	2,258.74	3	1,892.07	3	1,525.38	3	1,159.53	3	795.17	3	429.39	3	96.42	3		3		3	
1/4	2,251.10	1/4	1,884.43	1/4	1,517.74	1/4	1,151.93	1/4	787.53	1/4	421.92	1/4	89.99	1/4		1/4		1/4	
1/2	2,243.46	1/2	1,876.79	1/2	1,510.10	1/2	1,144.35	1/2	779.89	1/2	414.54	1/2	83.67	1/2		1/2		1/2	
3/4	2,235.82	3/4	1,869.15	3/4	1,502.46	3/4	1,136.76	3/4	772.25	3/4	407.15	3/4	77.35	3/4		3/4		3/4	
4	2,228.18	4	1,861.51	4	1,494.82	4	1,129.18	4	764.61	4	399.77	4	71.02	4		4		4	
1/4	2,220.54	1/4	1,853.87	1/4	1,487.19	1/4	1,121.59	1/4	756.97	1/4	392.38	1/4	64.70	1/4		1/4		1/4	
1/2	2,212.91	1/2	1,846.23	1/2	1,479.56	1/2	1,114.01	1/2	749.33	1/2	385.08	1/2	58.49	1/2		1/2		1/2	
3/4	2,205.27	3/4	1,838.59	3/4	1,471.93	3/4	1,106.43	3/4	741.69	3/4	377.78	3/4	52.29	3/4		3/4		3/4	
5	2,197.63	5	1,830.95	5	1,464.31	5	1,098.85	5	734.05	5	370.48	5	46.08	5		5		5	
1/4	2,189.99	1/4	1,823.31	1/4	1,456.68	1/4	1,091.27	1/4	726.41	1/4	363.18	1/4	39.88	1/4		1/4		1/4	
1/2	2,182.35	1/2	1,815.68	1/2	1,449.07	1/2	1,083.69	1/2	718.77	1/2	355.97	1/2	34.37	1/2		1/2		1/2	
3/4	2,174.71	3/4	1,808.04	3/4	1,441.46	3/4	1,076.11	3/4	711.13	3/4	348.75	3/4	28.86	3/4		3/4		3/4	
6	2,167.07	6	1,800.40	6	1,433.85	6	1,068.52	6	703.49	6	341.53	6	23.35	6		6		6	
1/4	2,159.43	1/4	1,792.76	1/4	1,426.24	1/4	1,060.94	1/4	695.85	1/4	334.32	1/4	17.84	1/4		1/4		1/4	
1/2	2,151.79	1/2	1,785.12	1/2	1,418.63	1/2	1,053.36	1/2	688.22	1/2	327.19	1/2	14.28	1/2		1/2		1/2	
3/4	2,144.15	3/4	1,777.48	3/4	1,411.01	3/4	1,045.78	3/4	680.58	3/4	320.06	3/4	10.72	3/4		3/4		3/4	
7	2,136.52	7	1,769.84	7	1,403.40	7	1,038.20	7	672.94	7	312.93	7	7.15	7		7		7	
1/4	2,128.88	1/4	1,762.20	1/4	1,395.79	1/4	1,030.62	1/4	665.30	1/4	305.80	1/4	3.59	1/4		1/4		1/4	
1/2	2,121.24	1/2	1,754.56	1/2	1,388.18	1/2	1,023.03	1/2	657.66	1/2	298.75	1/2		1/2		1/2		1/2	
3/4	2,113.60	3/4	1,746.92	3/4	1,380.57	3/4	1,015.45	3/4	650.02	3/4	291.71	3/4		3/4		3/4		3/4	
8	2,105.96	8	1,739.28	8	1,372.95	8	1,007.87	8	642.38	8	284.66	8		8		8		8	
1/4	2,098.32	1/4	1,731.64	1/4	1,365.34	1/4	1,000.29	1/4	634.74	1/4	277.62	1/4		1/4		1/4		1/4	
1/2	2,090.68	1/2	1,724.00	1/2	1,357.73	1/2	992.71	1/2	627.10	1/2	270.66	1/2		1/2		1/2		1/2	
3/4	2,083.04	3/4	1,716.36	3/4	1,350.12	3/4	985.13	3/4	619.46	3/4	263.70	3/4		3/4		3/4		3/4	
9	2,075.40	9	1,708.73	9	1,342.51	9	977.55	9	611.82	9	256.73	9		9		9		9	
1/4	2,067.76	1/4	1,701.09	1/4	1,334.89	1/4	969.96	1/4	604.18	1/4	249.77	1/4		1/4		1/4		1/4	
1/2	2,060.13	1/2	1,693.45	1/2	1,327.28	1/2	962.38	1/2	596.54	1/2	242.90	1/2		1/2		1/2		1/2	
3/4	2,052.49	3/4	1,685.81	3/4	1,319.67	3/4	954.80	3/4	588.90	3/4	236.02	3/4		3/4		3/4		3/4	
10	2,044.85	10	1,678.17	10	1,312.06	10	947.22	10	581.26	10	229.15	10		10		10		10	
1/4	2,037.21	1/4	1,670.53	1/4	1,304.45	1/4	939.64	1/4	573.62	1/4	222.27	1/4		1/4		1/4		1/4	
1/2	2,029.57	1/2	1,662.89	1/2	1,296.82	1/2	932.06	1/2	565.98	1/2	215.48	1/2		1/2		1/2		1/2	
3/4	2,021.93	3/4	1,655.25	3/4	1,289.19	3/4	924.48	3/4	558.34	3/4	208.69	3/4		3/4		3/4		3/4	
11	2,014.29	11	1,647.61	11	1,281.57	11	916.89	11	550.70	11	201.90	11		11		11		11	
1/4	2,006.65	1/4	1,639.97	1/4	1,273.94	1/4	909.31	1/4	543.06	1/4	195.11	1/4		1/4		1/4		1/4	
1/2	1,999.01	1/2	1,632.33	1/2	1,266.30	1/2	901.73	1/2	535.42	1/2	188.40	1/2		1/2		1/2		1/2	
3/4	1,991.38	3/4	1,624.69	3/4	1,258.66	3/4	894.15	3/4	527.78	3/4	181.70	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/14/2009 CL - SW  
CALCULATED: 05/15/2009 CL  
PRINTED: 05/15/2009 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2009

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>





# BARGE "KIRBY 28101"

1 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	2,350.40	0	1,983.95	0	1,617.48	0	1,251.67	0	886.23	0	519.82	0	174.88	0		0			
1/4	2,342.77	1/4	1,976.32	1/4	1,609.85	1/4	1,244.03	1/4	878.62	1/4	512.19	1/4	168.18	1/4		1/4			
1/2	2,335.13	1/2	1,968.68	1/2	1,602.21	1/2	1,236.40	1/2	871.00	1/2	504.57	1/2	161.57	1/2		1/2			
3/4	2,327.50	3/4	1,961.05	3/4	1,594.58	3/4	1,228.76	3/4	863.38	3/4	496.96	3/4	154.95	3/4		3/4			
1	2,319.86	1	1,953.42	1	1,586.94	1	1,221.13	1	855.76	1	489.34	1	148.34	1		1			
1/4	2,312.23	1/4	1,945.78	1/4	1,579.31	1/4	1,213.49	1/4	848.13	1/4	481.73	1/4	141.73	1/4		1/4			
1/2	2,304.59	1/2	1,938.15	1/2	1,571.68	1/2	1,205.86	1/2	840.50	1/2	474.18	1/2	135.20	1/2		1/2			
3/4	2,296.96	3/4	1,930.51	3/4	1,564.04	3/4	1,198.22	3/4	832.86	3/4	466.63	3/4	128.68	3/4		3/4			
2	2,289.32	2	1,922.88	2	1,556.41	2	1,190.59	2	825.23	2	459.08	2	122.16	2		2			
1/4	2,281.69	1/4	1,915.24	1/4	1,548.77	1/4	1,182.95	1/4	817.59	1/4	451.53	1/4	115.64	1/4		1/4			
1/2	2,274.06	1/2	1,907.61	1/2	1,541.14	1/2	1,175.33	1/2	809.96	1/2	444.06	1/2	109.21	1/2		1/2			
3/4	2,266.42	3/4	1,899.97	3/4	1,533.50	3/4	1,167.70	3/4	802.32	3/4	436.60	3/4	102.79	3/4		3/4			
3	2,258.79	3	1,892.34	3	1,525.87	3	1,160.08	3	794.69	3	429.13	3	96.36	3		3			
1/4	2,251.15	1/4	1,884.70	1/4	1,518.23	1/4	1,152.46	1/4	787.05	1/4	421.67	1/4	89.94	1/4		1/4			
1/2	2,243.52	1/2	1,877.07	1/2	1,510.60	1/2	1,144.85	1/2	779.42	1/2	414.28	1/2	83.62	1/2		1/2			
3/4	2,235.88	3/4	1,869.43	3/4	1,502.96	3/4	1,137.24	3/4	771.78	3/4	406.90	3/4	77.30	3/4		3/4			
4	2,228.25	4	1,861.80	4	1,495.33	4	1,129.64	4	764.15	4	399.52	4	70.98	4		4			
1/4	2,220.62	1/4	1,854.16	1/4	1,487.69	1/4	1,122.03	1/4	756.51	1/4	392.14	1/4	64.66	1/4		1/4			
1/2	2,212.98	1/2	1,846.53	1/2	1,480.07	1/2	1,114.42	1/2	748.88	1/2	384.85	1/2	58.45	1/2		1/2			
3/4	2,205.35	3/4	1,838.89	3/4	1,472.45	3/4	1,106.82	3/4	741.24	3/4	377.55	3/4	52.25	3/4		3/4			
5	2,197.71	5	1,831.26	5	1,464.83	5	1,099.21	5	733.61	5	370.25	5	46.05	5		5			
1/4	2,190.08	1/4	1,823.62	1/4	1,457.21	1/4	1,091.60	1/4	725.97	1/4	362.96	1/4	39.85	1/4		1/4			
1/2	2,182.44	1/2	1,815.99	1/2	1,449.60	1/2	1,084.00	1/2	718.34	1/2	355.75	1/2	34.34	1/2		1/2			
3/4	2,174.81	3/4	1,808.35	3/4	1,441.99	3/4	1,076.39	3/4	710.70	3/4	348.54	3/4	28.84	3/4		3/4			
6	2,167.17	6	1,800.72	6	1,434.39	6	1,068.79	6	703.07	6	341.33	6	23.33	6		6			
1/4	2,159.54	1/4	1,793.08	1/4	1,426.78	1/4	1,061.18	1/4	695.43	1/4	334.11	1/4	17.83	1/4		1/4			
1/2	2,151.91	1/2	1,785.45	1/2	1,419.17	1/2	1,053.57	1/2	687.80	1/2	326.99	1/2	14.27	1/2		1/2			
3/4	2,144.27	3/4	1,777.81	3/4	1,411.57	3/4	1,045.97	3/4	680.16	3/4	319.86	3/4	10.71	3/4		3/4			
7	2,136.64	7	1,770.18	7	1,403.96	7	1,038.36	7	672.53	7	312.74	7	7.15	7		7			
1/4	2,129.00	1/4	1,762.55	1/4	1,396.35	1/4	1,030.75	1/4	664.89	1/4	305.61	1/4	3.59	1/4		1/4			
1/2	2,121.37	1/2	1,754.91	1/2	1,388.74	1/2	1,023.15	1/2	657.26	1/2	298.57	1/2		1/2		1/2			
3/4	2,113.73	3/4	1,747.28	3/4	1,381.14	3/4	1,015.54	3/4	649.62	3/4	291.53	3/4		3/4		3/4			
8	2,106.10	8	1,739.64	8	1,373.53	8	1,007.94	8	641.99	8	284.49	8		8		8			
1/4	2,098.46	1/4	1,732.01	1/4	1,365.92	1/4	1,000.33	1/4	634.35	1/4	277.44	1/4		1/4		1/4			
1/2	2,090.83	1/2	1,724.37	1/2	1,358.31	1/2	992.72	1/2	626.72	1/2	270.49	1/2		1/2		1/2			
3/4	2,083.20	3/4	1,716.74	3/4	1,350.71	3/4	985.12	3/4	619.08	3/4	263.53	3/4		3/4		3/4			
9	2,075.56	9	1,709.10	9	1,343.10	9	977.51	9	611.45	9	256.58	9		9		9			
1/4	2,067.93	1/4	1,701.47	1/4	1,335.49	1/4	969.91	1/4	603.81	1/4	249.62	1/4		1/4		1/4			
1/2	2,060.29	1/2	1,693.83	1/2	1,327.88	1/2	962.30	1/2	596.18	1/2	242.75	1/2		1/2		1/2			
3/4	2,052.66	3/4	1,686.20	3/4	1,320.28	3/4	954.69	3/4	588.54	3/4	235.88	3/4		3/4		3/4			
10	2,045.02	10	1,678.56	10	1,312.67	10	947.09	10	580.91	10	229.00	10		10		10			
1/4	2,037.39	1/4	1,670.93	1/4	1,305.06	1/4	939.48	1/4	573.27	1/4	222.13	1/4		1/4		1/4			
1/2	2,029.76	1/2	1,663.29	1/2	1,297.44	1/2	931.88	1/2	565.63	1/2	215.35	1/2		1/2		1/2			
3/4	2,022.12	3/4	1,655.66	3/4	1,289.82	3/4	924.27	3/4	558.00	3/4	208.56	3/4		3/4		3/4			
11	2,014.49	11	1,648.02	11	1,282.20	11	916.66	11	550.36	11	201.77	11		11		11			
1/4	2,006.85	1/4	1,640.39	1/4	1,274.58	1/4	909.06	1/4	542.73	1/4	194.99	1/4		1/4		1/4			
1/2	1,999.22	1/2	1,632.75	1/2	1,266.94	1/2	901.45	1/2	535.09	1/2	188.29	1/2		1/2		1/2			
3/4	1,991.59	3/4	1,625.12	3/4	1,259.30	3/4	893.84	3/4	527.46	3/4	181.58	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/14/2009 CL - SW  
 CALCULATED: 05/15/2009 CL  
 PRINTED: 05/15/2009 CL

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 05/2009

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77586  
<http://www.pmcorp.net>



# BARGE "KIRBY 28101"

## 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

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 52'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "KIRBY 28101"

## 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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	2,391.19	0	2,027.13	0	1,663.05	0	1,302.87	0	951.86	0	591.49	0	227.38	0		0			
1/4	2,383.61	1/4	2,019.54	1/4	1,655.47	1/4	1,295.28	1/4	944.61	1/4	583.90	1/4	219.80	1/4		1/4		1/4	
1/2	2,376.02	1/2	2,011.95	1/2	1,647.88	1/2	1,287.69	1/2	937.35	1/2	576.32	1/2	212.21	1/2		1/2		1/2	
3/4	2,368.44	3/4	2,004.37	3/4	1,640.30	3/4	1,280.11	3/4	930.08	3/4	568.73	3/4	204.63	3/4		3/4		3/4	
1	2,360.85	1	1,996.79	1	1,632.71	1	1,272.52	1	922.81	1	561.15	1	197.04	1		1		1	
1/4	2,353.27	1/4	1,989.20	1/4	1,625.13	1/4	1,264.94	1/4	915.54	1/4	553.56	1/4	189.46	1/4		1/4		1/4	
1/2	2,345.68	1/2	1,981.62	1/2	1,617.55	1/2	1,257.35	1/2	908.26	1/2	545.98	1/2	181.88	1/2		1/2		1/2	
3/4	2,338.10	3/4	1,974.03	3/4	1,609.96	3/4	1,249.92	3/4	900.98	3/4	538.39	3/4	174.30	3/4		3/4		3/4	
2	2,330.51	2	1,966.45	2	1,602.38	2	1,242.48	2	893.70	2	530.80	2	166.73	2		2		2	
1/4	2,322.93	1/4	1,958.86	1/4	1,594.79	1/4	1,235.05	1/4	886.41	1/4	523.22	1/4	159.15	1/4		1/4		1/4	
1/2	2,315.34	1/2	1,951.28	1/2	1,587.21	1/2	1,227.61	1/2	879.13	1/2	515.63	1/2	151.57	1/2		1/2		1/2	
3/4	2,307.76	3/4	1,943.69	3/4	1,579.62	3/4	1,220.34	3/4	871.70	3/4	508.05	3/4	144.01	3/4		3/4		3/4	
3	2,300.17	3	1,936.11	3	1,572.04	3	1,213.07	3	864.26	3	500.46	3	136.45	3		3		3	
1/4	2,292.59	1/4	1,928.52	1/4	1,564.45	1/4	1,205.80	1/4	856.83	1/4	492.88	1/4	128.88	1/4		1/4		1/4	
1/2	2,285.01	1/2	1,920.94	1/2	1,556.87	1/2	1,198.53	1/2	849.40	1/2	485.29	1/2	121.32	1/2		1/2		1/2	
3/4	2,277.42	3/4	1,913.35	3/4	1,549.36	3/4	1,191.27	3/4	841.81	3/4	477.71	3/4	113.78	3/4		3/4		3/4	
4	2,269.84	4	1,905.77	4	1,541.86	4	1,184.02	4	834.23	4	470.12	4	106.23	4		4		4	
1/4	2,262.25	1/4	1,898.18	1/4	1,534.36	1/4	1,176.76	1/4	826.64	1/4	462.53	1/4	98.69	1/4		1/4		1/4	
1/2	2,254.67	1/2	1,890.60	1/2	1,526.85	1/2	1,169.50	1/2	819.05	1/2	454.95	1/2	91.14	1/2		1/2		1/2	
3/4	2,247.08	3/4	1,883.01	3/4	1,519.43	3/4	1,162.25	3/4	811.47	3/4	447.36	3/4	83.63	3/4		3/4		3/4	
5	2,239.50	5	1,875.43	5	1,512.01	5	1,154.99	5	803.88	5	439.78	5	76.12	5		5		5	
1/4	2,231.91	1/4	1,867.84	1/4	1,504.58	1/4	1,147.74	1/4	796.30	1/4	432.19	1/4	68.61	1/4		1/4		1/4	
1/2	2,224.33	1/2	1,860.26	1/2	1,497.16	1/2	1,140.48	1/2	788.71	1/2	424.61	1/2	61.10	1/2		1/2		1/2	
3/4	2,216.74	3/4	1,852.67	3/4	1,489.74	3/4	1,133.23	3/4	781.13	3/4	417.02	3/4	54.20	3/4		3/4		3/4	
6	2,209.16	6	1,845.09	6	1,482.32	6	1,125.97	6	773.54	6	409.44	6	47.29	6		6		6	
1/4	2,201.58	1/4	1,837.50	1/4	1,474.89	1/4	1,118.72	1/4	765.96	1/4	401.85	1/4	40.39	1/4		1/4		1/4	
1/2	2,193.99	1/2	1,829.92	1/2	1,467.47	1/2	1,111.47	1/2	758.37	1/2	394.26	1/2	33.49	1/2		1/2		1/2	
3/4	2,186.41	3/4	1,822.33	3/4	1,460.05	3/4	1,104.21	3/4	750.79	3/4	386.68	3/4	28.43	3/4		3/4		3/4	
7	2,178.82	7	1,814.75	7	1,452.63	7	1,096.96	7	743.20	7	379.09	7	23.38	7		7		7	
1/4	2,171.24	1/4	1,807.17	1/4	1,445.20	1/4	1,089.70	1/4	735.62	1/4	371.51	1/4	18.32	1/4		1/4		1/4	
1/2	2,163.65	1/2	1,799.58	1/2	1,437.78	1/2	1,082.45	1/2	728.03	1/2	363.92	1/2	13.27	1/2		1/2		1/2	
3/4	2,156.07	3/4	1,792.00	3/4	1,430.36	3/4	1,075.19	3/4	720.45	3/4	356.34	3/4		3/4		3/4		3/4	
8	2,148.48	8	1,784.41	8	1,422.93	8	1,067.94	8	712.86	8	348.75	8		8		8		8	
1/4	2,140.90	1/4	1,776.83	1/4	1,415.51	1/4	1,060.68	1/4	705.27	1/4	341.16	1/4		1/4		1/4		1/4	
1/2	2,133.31	1/2	1,769.24	1/2	1,408.09	1/2	1,053.43	1/2	697.69	1/2	333.58	1/2		1/2		1/2		1/2	
3/4	2,125.73	3/4	1,761.66	3/4	1,400.67	3/4	1,046.17	3/4	690.10	3/4	325.99	3/4		3/4		3/4		3/4	
9	2,118.14	9	1,754.07	9	1,393.24	9	1,038.92	9	682.52	9	318.41	9		9		9		9	
1/4	2,110.56	1/4	1,746.49	1/4	1,385.82	1/4	1,031.67	1/4	674.93	1/4	310.82	1/4		1/4		1/4		1/4	
1/2	2,102.98	1/2	1,738.90	1/2	1,378.40	1/2	1,024.41	1/2	667.35	1/2	303.24	1/2		1/2		1/2		1/2	
3/4	2,095.39	3/4	1,731.32	3/4	1,370.89	3/4	1,017.16	3/4	659.76	3/4	295.65	3/4		3/4		3/4		3/4	
10	2,087.81	10	1,723.73	10	1,363.39	10	1,009.90	10	652.17	10	288.07	10		10		10		10	
1/4	2,080.22	1/4	1,716.15	1/4	1,355.88	1/4	1,002.65	1/4	644.59	1/4	280.48	1/4		1/4		1/4		1/4	
1/2	2,072.64	1/2	1,708.56	1/2	1,348.38	1/2	995.39	1/2	637.00	1/2	272.89	1/2		1/2		1/2		1/2	
3/4	2,065.05	3/4	1,700.98	3/4	1,340.79	3/4	988.14	3/4	629.42	3/4	265.31	3/4		3/4		3/4		3/4	
11	2,057.47	11	1,693.39	11	1,333.21	11	980.88	11	621.83	11	257.72	11		11		11		11	
1/4	2,049.88	1/4	1,685.81	1/4	1,325.62	1/4	973.63	1/4	614.25	1/4	250.14	1/4		1/4		1/4		1/4	
1/2	2,042.30	1/2	1,678.22	1/2	1,318.04	1/2	966.38	1/2	606.66	1/2	242.55	1/2		1/2		1/2		1/2	
3/4	2,034.71	3/4	1,670.64	3/4	1,310.45	3/4	959.12	3/4	599.08	3/4	234.97	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/14/2009 CL - SW  
CALCULATED: 05/15/2009 CL  
PRINTED: 05/15/2009 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2009

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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# BARGE "KIRBY 28101"

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
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 52'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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





# BARGE "KIRBY 28101"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	2,422.05	0	2,057.99	0	1,693.91	0	1,333.73	0	970.60	0	606.66	0	242.55	0		0		0	
1/4	2,414.46	1/4	2,050.40	1/4	1,686.33	1/4	1,326.14	1/4	963.04	1/4	599.08	1/4	234.97	1/4		1/4		1/4	
1/2	2,406.88	1/2	2,042.82	1/2	1,678.74	1/2	1,318.55	1/2	955.48	1/2	591.49	1/2	227.38	1/2		1/2		1/2	
3/4	2,399.29	3/4	2,035.23	3/4	1,671.16	3/4	1,310.97	3/4	947.92	3/4	583.90	3/4	219.80	3/4		3/4		3/4	
1	2,391.71	1	2,027.64	1	1,663.57	1	1,303.38	1	940.37	1	576.32	1	212.21	1		1		1	
1/4	2,384.13	1/4	2,020.06	1/4	1,655.99	1/4	1,295.80	1/4	932.79	1/4	568.73	1/4	204.63	1/4		1/4		1/4	
1/2	2,376.54	1/2	2,012.48	1/2	1,648.40	1/2	1,288.21	1/2	925.22	1/2	561.15	1/2	197.04	1/2		1/2		1/2	
3/4	2,368.96	3/4	2,004.89	3/4	1,640.82	3/4	1,280.63	3/4	917.65	3/4	553.56	3/4	189.46	3/4		3/4		3/4	
2	2,361.37	2	1,997.31	2	1,633.24	2	1,273.04	2	910.08	2	545.98	2	181.88	2		2		2	
1/4	2,353.79	1/4	1,989.72	1/4	1,625.65	1/4	1,265.46	1/4	902.49	1/4	538.39	1/4	174.30	1/4		1/4		1/4	
1/2	2,346.20	1/2	1,982.14	1/2	1,618.07	1/2	1,257.87	1/2	894.91	1/2	530.80	1/2	166.73	1/2		1/2		1/2	
3/4	2,338.62	3/4	1,974.55	3/4	1,610.48	3/4	1,250.29	3/4	887.32	3/4	523.22	3/4	159.15	3/4		3/4		3/4	
3	2,331.03	3	1,966.97	3	1,602.90	3	1,242.70	3	879.73	3	515.63	3	151.57	3		3		3	
1/4	2,323.45	1/4	1,959.38	1/4	1,595.31	1/4	1,235.13	1/4	872.15	1/4	508.05	1/4	144.01	1/4		1/4		1/4	
1/2	2,315.86	1/2	1,951.80	1/2	1,587.73	1/2	1,227.55	1/2	864.56	1/2	500.46	1/2	136.45	1/2		1/2		1/2	
3/4	2,308.28	3/4	1,944.21	3/4	1,580.14	3/4	1,219.98	3/4	856.98	3/4	492.88	3/4	128.88	3/4		3/4		3/4	
4	2,300.70	4	1,936.63	4	1,572.56	4	1,212.41	4	849.39	4	485.29	4	121.32	4		4		4	
1/4	2,293.11	1/4	1,929.04	1/4	1,565.05	1/4	1,204.85	1/4	841.81	1/4	477.71	1/4	113.77	1/4		1/4		1/4	
1/2	2,285.53	1/2	1,921.46	1/2	1,557.55	1/2	1,197.29	1/2	834.22	1/2	470.12	1/2	106.23	1/2		1/2		1/2	
3/4	2,277.94	3/4	1,913.87	3/4	1,550.05	3/4	1,189.73	3/4	826.64	3/4	462.53	3/4	98.69	3/4		3/4		3/4	
5	2,270.36	5	1,906.29	5	1,542.54	5	1,182.18	5	819.05	5	454.95	5	91.14	5		5		5	
1/4	2,262.77	1/4	1,898.70	1/4	1,535.12	1/4	1,174.62	1/4	811.47	1/4	447.36	1/4	83.63	1/4		1/4		1/4	
1/2	2,255.19	1/2	1,891.12	1/2	1,527.70	1/2	1,167.06	1/2	803.88	1/2	439.78	1/2	76.12	1/2		1/2		1/2	
3/4	2,247.60	3/4	1,883.53	3/4	1,520.27	3/4	1,159.51	3/4	796.30	3/4	432.19	3/4	68.61	3/4		3/4		3/4	
6	2,240.02	6	1,875.95	6	1,512.85	6	1,151.95	6	788.71	6	424.61	6	61.10	6		6		6	
1/4	2,232.43	1/4	1,868.36	1/4	1,505.43	1/4	1,144.39	1/4	781.13	1/4	417.02	1/4	54.20	1/4		1/4		1/4	
1/2	2,224.85	1/2	1,860.78	1/2	1,498.01	1/2	1,136.84	1/2	773.54	1/2	409.44	1/2	47.29	1/2		1/2		1/2	
3/4	2,217.26	3/4	1,853.19	3/4	1,490.58	3/4	1,129.28	3/4	765.96	3/4	401.85	3/4	40.39	3/4		3/4		3/4	
7	2,209.68	7	1,845.61	7	1,483.16	7	1,121.73	7	758.37	7	394.26	7	33.49	7		7		7	
1/4	2,202.10	1/4	1,838.02	1/4	1,475.74	1/4	1,114.17	1/4	750.79	1/4	386.68	1/4	28.43	1/4		1/4		1/4	
1/2	2,194.51	1/2	1,830.44	1/2	1,468.32	1/2	1,106.61	1/2	743.20	1/2	379.09	1/2	23.38	1/2		1/2		1/2	
3/4	2,186.93	3/4	1,822.86	3/4	1,460.89	3/4	1,099.06	3/4	735.62	3/4	371.51	3/4	18.32	3/4		3/4		3/4	
8	2,179.34	8	1,815.27	8	1,453.47	8	1,091.50	8	728.03	8	363.92	8	13.27	8		8		8	
1/4	2,171.76	1/4	1,807.69	1/4	1,446.05	1/4	1,083.94	1/4	720.45	1/4	356.34	1/4		1/4		1/4		1/4	
1/2	2,164.17	1/2	1,800.10	1/2	1,438.62	1/2	1,076.39	1/2	712.86	1/2	348.75	1/2		1/2		1/2		1/2	
3/4	2,156.59	3/4	1,792.52	3/4	1,431.20	3/4	1,068.83	3/4	705.28	3/4	341.16	3/4		3/4		3/4		3/4	
9	2,149.00	9	1,784.93	9	1,423.78	9	1,061.27	9	697.69	9	333.58	9		9		9		9	
1/4	2,141.42	1/4	1,777.35	1/4	1,416.35	1/4	1,053.72	1/4	690.10	1/4	325.99	1/4		1/4		1/4		1/4	
1/2	2,133.83	1/2	1,769.76	1/2	1,408.93	1/2	1,046.16	1/2	682.52	1/2	318.41	1/2		1/2		1/2		1/2	
3/4	2,126.25	3/4	1,762.18	3/4	1,401.51	3/4	1,038.61	3/4	674.93	3/4	310.82	3/4		3/4		3/4		3/4	
10	2,118.66	10	1,754.59	10	1,394.08	10	1,031.05	10	667.35	10	303.24	10		10		10		10	
1/4	2,111.08	1/4	1,747.01	1/4	1,386.58	1/4	1,023.49	1/4	659.76	1/4	295.65	1/4		1/4		1/4		1/4	
1/2	2,103.50	1/2	1,739.42	1/2	1,379.08	1/2	1,015.94	1/2	652.17	1/2	288.07	1/2		1/2		1/2		1/2	
3/4	2,095.91	3/4	1,731.84	3/4	1,371.57	3/4	1,008.38	3/4	644.59	3/4	280.48	3/4		3/4		3/4		3/4	
11	2,088.33	11	1,724.25	11	1,364.07	11	1,000.82	11	637.00	11	272.89	11		11		11		11	
1/4	2,080.74	1/4	1,716.67	1/4	1,356.48	1/4	993.27	1/4	629.42	1/4	265.31	1/4		1/4		1/4		1/4	
1/2	2,073.16	1/2	1,709.08	1/2	1,348.90	1/2	985.71	1/2	621.83	1/2	257.72	1/2		1/2		1/2		1/2	
3/4	2,065.57	3/4	1,701.50	3/4	1,341.31	3/4	978.16	3/4	614.25	3/4	250.14	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/14/2009 CL - SW  
 CALCULATED: 05/15/2009 CL  
 PRINTED: 05/15/2009 CL  
 CANCELS AND SUPERCEDES  
 ALL PRIOR TO 05/2009

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



# BARGE "KIRBY 28101"

## 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
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

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'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT & ANALYSIS, INC.

P.O. Box 2082  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "KIRBY 28101"

## 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	2,313.69	0	1,950.11	0	1,586.56	0	1,227.51	0	872.84	0	516.41	0	151.83	0	0	0	0	0	0
1/4	2,306.11	1/4	1,942.53	1/4	1,579.01	1/4	1,219.95	1/4	865.48	1/4	508.82	1/4	144.55	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,298.54	1/2	1,934.96	1/2	1,571.46	1/2	1,212.39	1/2	858.12	1/2	501.22	1/2	137.27	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,290.96	3/4	1,927.38	3/4	1,563.91	3/4	1,204.84	3/4	850.77	3/4	493.63	3/4	129.99	3/4	3/4	3/4	3/4	3/4	3/4
1	2,283.39	1	1,919.81	1	1,556.36	1	1,197.28	1	843.41	1	486.03	1	122.71	1	1	1	1	1	1
1/4	2,275.81	1/4	1,912.23	1/4	1,548.81	1/4	1,189.72	1/4	836.04	1/4	478.44	1/4	116.38	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,268.24	1/2	1,904.66	1/2	1,541.25	1/2	1,182.16	1/2	828.66	1/2	470.84	1/2	110.05	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,260.67	3/4	1,897.08	3/4	1,533.70	3/4	1,174.60	3/4	821.29	3/4	463.25	3/4	103.72	3/4	3/4	3/4	3/4	3/4	3/4
2	2,253.09	2	1,889.51	2	1,526.15	2	1,167.04	2	813.92	2	455.65	2	97.40	2	2	2	2	2	2
1/4	2,245.52	1/4	1,881.93	1/4	1,518.60	1/4	1,159.58	1/4	806.53	1/4	448.05	1/4	92.34	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,237.94	1/2	1,874.36	1/2	1,511.05	1/2	1,152.13	1/2	799.15	1/2	440.46	1/2	87.28	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,230.37	3/4	1,866.78	3/4	1,503.50	3/4	1,144.67	3/4	791.76	3/4	432.86	3/4	82.22	3/4	3/4	3/4	3/4	3/4	3/4
3	2,222.79	3	1,859.21	3	1,495.95	3	1,137.22	3	784.38	3	425.27	3	77.17	3	3	3	3	3	3
1/4	2,215.22	1/4	1,851.63	1/4	1,488.40	1/4	1,129.87	1/4	776.99	1/4	417.67	1/4	73.39	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,207.64	1/2	1,844.06	1/2	1,480.84	1/2	1,122.53	1/2	769.61	1/2	410.08	1/2	69.61	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,200.07	3/4	1,836.48	3/4	1,473.29	3/4	1,115.18	3/4	762.22	3/4	402.48	3/4	65.83	3/4	3/4	3/4	3/4	3/4	3/4
4	2,192.49	4	1,828.91	4	1,465.74	4	1,107.84	4	754.84	4	394.88	4	62.05	4	4	4	4	4	4
1/4	2,184.92	1/4	1,821.33	1/4	1,458.27	1/4	1,100.50	1/4	747.45	1/4	387.29	1/4	59.55	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,177.34	1/2	1,813.76	1/2	1,450.80	1/2	1,093.16	1/2	740.07	1/2	379.69	1/2	57.05	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,169.77	3/4	1,806.18	3/4	1,443.33	3/4	1,085.82	3/4	732.68	3/4	372.10	3/4	54.56	3/4	3/4	3/4	3/4	3/4	3/4
5	2,162.20	5	1,798.61	5	1,435.86	5	1,078.48	5	725.30	5	364.50	5	52.06	5	5	5	5	5	5
1/4	2,154.62	1/4	1,791.04	1/4	1,428.46	1/4	1,071.14	1/4	717.92	1/4	356.91	1/4	50.86	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,147.05	1/2	1,783.46	1/2	1,421.06	1/2	1,063.80	1/2	710.53	1/2	349.31	1/2	49.67	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,139.47	3/4	1,775.89	3/4	1,413.66	3/4	1,056.47	3/4	703.15	3/4	341.72	3/4	48.47	3/4	3/4	3/4	3/4	3/4	3/4
6	2,131.90	6	1,768.31	6	1,406.25	6	1,049.13	6	695.76	6	334.12	6	47.27	6	6	6	6	6	6
1/4	2,124.32	1/4	1,760.74	1/4	1,398.84	1/4	1,041.79	1/4	688.38	1/4	326.52	1/4	46.07	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,116.75	1/2	1,753.16	1/2	1,391.43	1/2	1,034.45	1/2	680.99	1/2	318.93	1/2	44.87	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,109.17	3/4	1,745.59	3/4	1,384.01	3/4	1,027.12	3/4	673.61	3/4	311.33	3/4	43.67	3/4	3/4	3/4	3/4	3/4	3/4
7	2,101.60	7	1,738.01	7	1,376.60	7	1,019.78	7	666.22	7	303.74	7	42.47	7	7	7	7	7	7
1/4	2,094.02	1/4	1,730.44	1/4	1,369.19	1/4	1,012.44	1/4	658.84	1/4	296.14	1/4	41.27	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,086.45	1/2	1,722.86	1/2	1,361.77	1/2	1,005.10	1/2	651.45	1/2	288.55	1/2	40.07	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,078.88	3/4	1,715.29	3/4	1,354.36	3/4	997.76	3/4	644.07	3/4	280.95	3/4	38.87	3/4	3/4	3/4	3/4	3/4	3/4
8	2,071.30	8	1,707.71	8	1,346.94	8	990.43	8	636.68	8	273.36	8	37.67	8	8	8	8	8	8
1/4	2,063.73	1/4	1,700.14	1/4	1,339.53	1/4	983.09	1/4	629.30	1/4	265.76	1/4	36.47	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,056.15	1/2	1,692.56	1/2	1,332.12	1/2	975.75	1/2	621.91	1/2	258.16	1/2	35.27	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,048.58	3/4	1,684.99	3/4	1,324.70	3/4	968.41	3/4	614.53	3/4	250.57	3/4	34.07	3/4	3/4	3/4	3/4	3/4	3/4
9	2,041.00	9	1,677.41	9	1,317.29	9	961.08	9	607.14	9	242.97	9	32.87	9	9	9	9	9	9
1/4	2,033.43	1/4	1,669.84	1/4	1,309.88	1/4	953.73	1/4	599.65	1/4	235.38	1/4	31.67	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,025.85	1/2	1,662.26	1/2	1,302.48	1/2	946.38	1/2	592.16	1/2	227.78	1/2	30.47	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,018.28	3/4	1,654.69	3/4	1,295.07	3/4	939.03	3/4	584.67	3/4	220.19	3/4	29.27	3/4	3/4	3/4	3/4	3/4	3/4
10	2,010.70	10	1,647.11	10	1,287.66	10	931.69	10	577.18	10	212.59	10	28.07	10	10	10	10	10	10
1/4	2,003.13	1/4	1,639.54	1/4	1,280.19	1/4	924.33	1/4	569.58	1/4	204.99	1/4	26.87	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,995.55	1/2	1,631.96	1/2	1,272.71	1/2	916.98	1/2	561.99	1/2	197.40	1/2	25.67	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,987.98	3/4	1,624.39	3/4	1,265.23	3/4	909.62	3/4	554.39	3/4	189.80	3/4	24.47	3/4	3/4	3/4	3/4	3/4	3/4
11	1,980.41	11	1,616.81	11	1,257.75	11	902.26	11	546.80	11	182.21	11	23.27	11	11	11	11	11	11
1/4	1,972.83	1/4	1,609.25	1/4	1,250.19	1/4	894.91	1/4	539.20	1/4	174.61	1/4	22.07	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,965.26	1/2	1,601.69	1/2	1,242.63	1/2	887.55	1/2	531.61	1/2	167.02	1/2	20.87	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,957.68	3/4	1,594.13	3/4	1,235.07	3/4	880.20	3/4	524.01	3/4	159.42	3/4	19.67	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/14/2009 CL - SW  
CALCULATED: 05/15/2009 CL  
PRINTED: 05/15/2009 CL  
CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2009

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





# BARGE "KIRBY 28101"

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	2,327.99	0	1,963.24	0	1,598.47	0	1,237.58	0	873.78	0	509.12	0	144.63	0		0		0	
1/4	2,320.39	1/4	1,955.63	1/4	1,590.87	1/4	1,229.98	1/4	866.21	1/4	501.52	1/4	137.35	1/4		1/4		1/4	
1/2	2,312.79	1/2	1,948.03	1/2	1,583.27	1/2	1,222.38	1/2	858.64	1/2	493.92	1/2	120.07	1/2		1/2		1/2	
3/4	2,305.20	3/4	1,940.43	3/4	1,575.67	3/4	1,214.78	3/4	851.06	3/4	486.32	3/4	132.78	3/4		3/4		3/4	
1	2,297.60	1	1,932.83	1	1,568.07	1	1,207.18	1	843.48	1	478.72	1	116.45	1		1		1	
1/4	2,290.00	1/4	1,925.24	1/4	1,560.47	1/4	1,199.58	1/4	835.89	1/4	471.12	1/4	110.12	1/4		1/4		1/4	
1/2	2,282.40	1/2	1,917.64	1/2	1,552.87	1/2	1,191.98	1/2	828.30	1/2	463.52	1/2	103.79	1/2		1/2		1/2	
3/4	2,274.80	3/4	1,910.04	3/4	1,545.27	3/4	1,184.38	3/4	820.72	3/4	455.92	3/4	97.45	3/4		3/4		3/4	
2	2,267.20	2	1,902.44	2	1,537.67	2	1,176.78	2	813.12	2	448.32	2	92.39	2		2		2	
1/4	2,259.60	1/4	1,894.84	1/4	1,530.07	1/4	1,169.18	1/4	805.52	1/4	440.72	1/4	87.33	1/4		1/4		1/4	
1/2	2,252.00	1/2	1,887.24	1/2	1,522.47	1/2	1,161.58	1/2	797.92	1/2	433.12	1/2	82.27	1/2		1/2		1/2	
3/4	2,244.40	3/4	1,879.64	3/4	1,514.87	3/4	1,153.98	3/4	790.32	3/4	425.52	3/4	77.21	3/4		3/4		3/4	
3	2,236.80	3	1,872.04	3	1,507.27	3	1,146.39	3	782.72	3	417.92	3	73.43	3		3		3	
1/4	2,229.20	1/4	1,864.44	1/4	1,499.67	1/4	1,138.80	1/4	775.12	1/4	410.32	1/4	69.65	1/4		1/4		1/4	
1/2	2,221.61	1/2	1,856.84	1/2	1,492.08	1/2	1,131.22	1/2	767.52	1/2	402.72	1/2	65.87	1/2		1/2		1/2	
3/4	2,214.01	3/4	1,849.24	3/4	1,484.48	3/4	1,123.63	3/4	759.92	3/4	395.12	3/4	62.08	3/4		3/4		3/4	
4	2,206.41	4	1,841.64	4	1,476.96	4	1,116.06	4	752.32	4	387.52	4	59.59	4		4		4	
1/4	2,198.81	1/4	1,834.04	1/4	1,469.44	1/4	1,108.48	1/4	744.72	1/4	379.92	1/4	57.09	1/4		1/4		1/4	
1/2	2,191.21	1/2	1,826.44	1/2	1,461.92	1/2	1,100.91	1/2	737.12	1/2	372.32	1/2	54.59	1/2		1/2		1/2	
3/4	2,183.61	3/4	1,818.85	3/4	1,454.40	3/4	1,093.34	3/4	729.52	3/4	364.72	3/4	52.09	3/4		3/4		3/4	
5	2,176.01	5	1,811.25	5	1,446.97	5	1,085.77	5	721.92	5	357.12	5	50.89	5		5		5	
1/4	2,168.41	1/4	1,803.65	1/4	1,439.53	1/4	1,078.20	1/4	714.32	1/4	349.52	1/4	49.69	1/4		1/4		1/4	
1/2	2,160.81	1/2	1,796.05	1/2	1,432.09	1/2	1,070.63	1/2	706.72	1/2	341.92	1/2	48.50	1/2		1/2		1/2	
3/4	2,153.21	3/4	1,788.45	3/4	1,424.65	3/4	1,063.06	3/4	699.12	3/4	334.32	3/4	47.30	3/4		3/4		3/4	
6	2,145.61	6	1,780.85	6	1,417.22	6	1,055.48	6	691.52	6	326.72	6		6		6		6	
1/4	2,138.02	1/4	1,773.25	1/4	1,409.78	1/4	1,047.91	1/4	683.92	1/4	319.12	1/4		1/4		1/4		1/4	
1/2	2,130.42	1/2	1,765.65	1/2	1,402.34	1/2	1,040.34	1/2	676.32	1/2	311.52	1/2		1/2		1/2		1/2	
3/4	2,122.82	3/4	1,758.05	3/4	1,394.91	3/4	1,032.77	3/4	668.72	3/4	303.92	3/4		3/4		3/4		3/4	
7	2,115.22	7	1,750.45	7	1,387.47	7	1,025.20	7	661.12	7	296.32	7		7		7		7	
1/4	2,107.62	1/4	1,742.85	1/4	1,380.03	1/4	1,017.63	1/4	653.52	1/4	288.72	1/4		1/4		1/4		1/4	
1/2	2,100.02	1/2	1,735.25	1/2	1,372.59	1/2	1,010.06	1/2	645.92	1/2	281.12	1/2		1/2		1/2		1/2	
3/4	2,092.42	3/4	1,727.65	3/4	1,365.16	3/4	1,002.49	3/4	638.32	3/4	273.52	3/4		3/4		3/4		3/4	
8	2,084.82	8	1,720.05	8	1,357.72	8	994.92	8	630.72	8	265.92	8		8		8		8	
1/4	2,077.22	1/4	1,712.45	1/4	1,350.28	1/4	987.35	1/4	623.12	1/4	258.32	1/4		1/4		1/4		1/4	
1/2	2,069.62	1/2	1,704.86	1/2	1,342.84	1/2	979.78	1/2	615.52	1/2	250.72	1/2		1/2		1/2		1/2	
3/4	2,062.02	3/4	1,697.26	3/4	1,335.41	3/4	972.21	3/4	607.92	3/4	243.12	3/4		3/4		3/4		3/4	
9	2,054.43	9	1,689.66	9	1,327.97	9	964.63	9	600.32	9	235.52	9		9		9		9	
1/4	2,046.83	1/4	1,682.06	1/4	1,320.53	1/4	957.06	1/4	592.72	1/4	227.92	1/4		1/4		1/4		1/4	
1/2	2,039.23	1/2	1,674.46	1/2	1,313.09	1/2	949.49	1/2	585.12	1/2	220.32	1/2		1/2		1/2		1/2	
3/4	2,031.63	3/4	1,666.86	3/4	1,305.65	3/4	941.92	3/4	577.52	3/4	212.72	3/4		3/4		3/4		3/4	
10	2,024.03	10	1,659.26	10	1,298.14	10	934.35	10	569.92	10	205.12	10		10		10		10	
1/4	2,016.43	1/4	1,651.66	1/4	1,290.62	1/4	926.78	1/4	562.32	1/4	197.52	1/4		1/4		1/4		1/4	
1/2	2,008.83	1/2	1,644.06	1/2	1,283.10	1/2	919.21	1/2	554.72	1/2	189.92	1/2		1/2		1/2		1/2	
3/4	2,001.23	3/4	1,636.46	3/4	1,275.58	3/4	911.64	3/4	547.12	3/4	182.32	3/4		3/4		3/4		3/4	
11	1,993.63	11	1,628.86	11	1,267.98	11	904.07	11	539.52	11	174.72	11		11		11		11	
1/4	1,986.03	1/4	1,621.26	1/4	1,260.38	1/4	896.50	1/4	531.92	1/4	167.12	1/4		1/4		1/4		1/4	
1/2	1,978.43	1/2	1,613.66	1/2	1,252.78	1/2	888.93	1/2	524.32	1/2	159.52	1/2		1/2		1/2		1/2	
3/4	1,970.84	3/4	1,606.06	3/4	1,245.18	3/4	881.36	3/4	516.72	3/4	151.92	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/14/2009 CL - SW  
 CALCULATED: 05/15/2009 CL  
 PRINTED: 05/15/2009 CL  
 CANCELS AND SUPERCEDES  
 ALL PRIOR TO 05/2009

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