



# BARGE "KIRBY 28072"

## ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-3/4	- 02-3/4	03-1/4	- 03-1/4
1 STBD	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-3/4	- 02-3/4	03-1/4	- 03-1/4
2 PORT	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-5/8	- 02-5/8	03-1/4	- 03-1/4
2 STBD	00-1/2	- 00-1/2	01-0/8	- 01-0/8	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-5/8	- 02-5/8	03-1/8	- 03-1/8
3 PORT	00-1/2	- 00-1/2	01-0/8	- 01-0/8	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-5/8	- 02-5/8	03-1/8	- 03-1/8
3 STBD	00-1/2	- 00-1/2	01-0/8	- 01-0/8	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-5/8	- 02-5/8	03-1/8	- 03-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 01-1/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-10 7/8"

LENGTH BETWEEN DRAFT MARKS: 241'-09"

February 11, 2005

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

<http://www.pmacorp.net>





# BARGE "KIRBY 28072"

## 1 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,352.04	0	1,986.31	0	1,620.56	0	1,255.46	0	891.87	0	526.44	0	181.24	0		0			
1/4	2,344.42	1/4	1,978.69	1/4	1,612.94	1/4	1,247.84	1/4	884.31	1/4	518.82	1/4	174.55	1/4		1/4			
1/2	2,336.81	1/2	1,971.07	1/2	1,605.32	1/2	1,240.22	1/2	876.74	1/2	511.19	1/2	167.86	1/2		1/2			
3/4	2,329.19	3/4	1,963.45	3/4	1,597.70	3/4	1,232.60	3/4	869.16	3/4	503.60	3/4	161.26	3/4		3/4			
1	2,321.57	1	1,955.83	1	1,590.08	1	1,224.98	1	861.59	1	496.00	1	154.66	1		1			
1/4	2,313.95	1/4	1,948.21	1/4	1,582.46	1/4	1,217.36	1/4	854.01	1/4	488.40	1/4	148.06	1/4		1/4			
1/2	2,306.33	1/2	1,940.59	1/2	1,574.84	1/2	1,209.74	1/2	846.43	1/2	480.80	1/2	141.45	1/2		1/2			
3/4	2,298.71	3/4	1,932.97	3/4	1,567.22	3/4	1,202.13	3/4	838.82	3/4	473.26	3/4	134.94	3/4		3/4			
2	2,291.09	2	1,925.35	2	1,559.60	2	1,194.52	2	831.22	2	465.73	2	128.44	2		2			
1/4	2,283.47	1/4	1,917.73	1/4	1,551.98	1/4	1,186.92	1/4	823.61	1/4	458.19	1/4	121.93	1/4		1/4			
1/2	2,275.85	1/2	1,910.11	1/2	1,544.36	1/2	1,179.31	1/2	816.01	1/2	450.65	1/2	115.42	1/2		1/2			
3/4	2,268.23	3/4	1,902.49	3/4	1,536.74	3/4	1,171.73	3/4	808.39	3/4	443.20	3/4	109.00	3/4		3/4			
3	2,260.61	3	1,894.87	3	1,529.12	3	1,164.16	3	800.77	3	435.75	3	102.59	3		3			
1/4	2,252.99	1/4	1,887.25	1/4	1,521.50	1/4	1,156.58	1/4	793.15	1/4	428.30	1/4	96.18	1/4		1/4			
1/2	2,245.37	1/2	1,879.63	1/2	1,513.88	1/2	1,149.00	1/2	785.52	1/2	420.85	1/2	89.77	1/2		1/2			
3/4	2,237.75	3/4	1,872.01	3/4	1,506.26	3/4	1,141.43	3/4	777.90	3/4	413.48	3/4	83.46	3/4		3/4			
4	2,230.13	4	1,864.39	4	1,498.64	4	1,133.87	4	770.28	4	406.12	4	77.15	4		4			
1/4	2,222.51	1/4	1,856.77	1/4	1,491.02	1/4	1,126.31	1/4	762.66	1/4	398.75	1/4	70.84	1/4		1/4			
1/2	2,214.89	1/2	1,849.15	1/2	1,483.40	1/2	1,118.74	1/2	755.04	1/2	391.38	1/2	64.53	1/2		1/2			
3/4	2,207.27	3/4	1,841.53	3/4	1,475.80	3/4	1,111.18	3/4	747.42	3/4	384.10	3/4	58.34	3/4		3/4			
5	2,199.65	5	1,833.91	5	1,468.19	5	1,103.62	5	739.80	5	376.82	5	52.15	5		5			
1/4	2,192.03	1/4	1,826.29	1/4	1,460.58	1/4	1,096.05	1/4	732.18	1/4	369.54	1/4	45.96	1/4		1/4			
1/2	2,184.42	1/2	1,818.67	1/2	1,452.98	1/2	1,088.49	1/2	724.56	1/2	362.26	1/2	39.77	1/2		1/2			
3/4	2,176.80	3/4	1,811.05	3/4	1,445.39	3/4	1,080.93	3/4	716.94	3/4	355.06	3/4	34.28	3/4		3/4			
6	2,169.18	6	1,803.43	6	1,437.79	6	1,073.37	6	709.32	6	347.86	6	28.78	6		6			
1/4	2,161.56	1/4	1,795.81	1/4	1,430.20	1/4	1,065.81	1/4	701.70	1/4	340.67	1/4	23.29	1/4		1/4			
1/2	2,153.94	1/2	1,788.19	1/2	1,422.61	1/2	1,058.24	1/2	694.08	1/2	333.47	1/2	17.79	1/2		1/2			
3/4	2,146.32	3/4	1,780.57	3/4	1,415.02	3/4	1,050.68	3/4	686.46	3/4	326.36	3/4	14.24	3/4		3/4			
7	2,138.70	7	1,772.95	7	1,407.42	7	1,043.12	7	678.84	7	319.24	7	10.69	7		7			
1/4	2,131.08	1/4	1,765.33	1/4	1,399.83	1/4	1,035.56	1/4	671.22	1/4	312.13	1/4	7.13	1/4		1/4			
1/2	2,123.46	1/2	1,757.71	1/2	1,392.24	1/2	1,027.99	1/2	663.60	1/2	305.02	1/2	3.58	1/2		1/2			
3/4	2,115.84	3/4	1,750.10	3/4	1,384.65	3/4	1,020.43	3/4	655.98	3/4	297.99	3/4		3/4		3/4			
8	2,108.22	8	1,742.48	8	1,377.05	8	1,012.87	8	648.36	8	290.97	8		8		8			
1/4	2,100.60	1/4	1,734.86	1/4	1,369.46	1/4	1,005.31	1/4	640.74	1/4	283.94	1/4		1/4		1/4			
1/2	2,092.98	1/2	1,727.24	1/2	1,361.87	1/2	997.75	1/2	633.12	1/2	276.91	1/2		1/2		1/2			
3/4	2,085.36	3/4	1,719.62	3/4	1,354.28	3/4	990.18	3/4	625.50	3/4	269.97	3/4		3/4		3/4			
9	2,077.74	9	1,712.00	9	1,346.68	9	982.62	9	617.88	9	263.02	9		9		9			
1/4	2,070.12	1/4	1,704.38	1/4	1,339.09	1/4	975.06	1/4	610.26	1/4	256.08	1/4		1/4		1/4			
1/2	2,062.50	1/2	1,696.76	1/2	1,331.50	1/2	967.50	1/2	602.64	1/2	249.14	1/2		1/2		1/2			
3/4	2,054.88	3/4	1,689.14	3/4	1,323.91	3/4	959.93	3/4	595.02	3/4	242.28	3/4		3/4		3/4			
10	2,047.26	10	1,681.52	10	1,316.31	10	952.37	10	587.40	10	235.42	10		10		10			
1/4	2,039.64	1/4	1,673.90	1/4	1,308.72	1/4	944.81	1/4	579.78	1/4	228.56	1/4		1/4		1/4			
1/2	2,032.03	1/2	1,666.28	1/2	1,301.13	1/2	937.25	1/2	572.16	1/2	221.71	1/2		1/2		1/2			
3/4	2,024.41	3/4	1,658.66	3/4	1,293.52	3/4	929.69	3/4	564.54	3/4	214.93	3/4		3/4		3/4			
11	2,016.79	11	1,651.04	11	1,285.91	11	922.12	11	556.92	11	208.16	11		11		11			
1/4	2,009.17	1/4	1,643.42	1/4	1,278.31	1/4	914.56	1/4	549.30	1/4	201.39	1/4		1/4		1/4			
1/2	2,001.55	1/2	1,635.80	1/2	1,270.70	1/2	907.00	1/2	541.68	1/2	194.61	1/2		1/2		1/2			
3/4	1,993.93	3/4	1,628.18	3/4	1,263.08	3/4	899.44	3/4	534.06	3/4	187.92	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/10/2005 CL - SW  
CALCULATED: 02/11/2005 CL  
PRINTED: 02/11/2005 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2005

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





# BARGE "KIRBY 28072"

1 STBD  
ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,344.70	0	1,979.14	0	1,613.56	0	1,248.63	0	884.08	0	518.56	0	174.46	0		0			
1/4	2,337.08	1/4	1,971.52	1/4	1,605.94	1/4	1,241.02	1/4	876.49	1/4	510.94	1/4	167.77	1/4		1			
1/2	2,329.47	1/2	1,963.90	1/2	1,598.33	1/2	1,233.40	1/2	868.89	1/2	503.35	1/2	161.18	1/2		1/2			
3/4	2,321.85	3/4	1,956.29	3/4	1,590.71	3/4	1,225.78	3/4	861.29	3/4	495.75	3/4	154.58	3/4		3/4			
1	2,314.24	1	1,948.67	1	1,583.09	1	1,218.16	1	853.68	1	488.16	1	147.98	1		1			
1/4	2,306.62	1/4	1,941.06	1/4	1,575.48	1/4	1,210.55	1/4	846.08	1/4	480.56	1/4	141.38	1/4		1/4			
1/2	2,299.00	1/2	1,933.44	1/2	1,567.86	1/2	1,202.93	1/2	838.46	1/2	473.03	1/2	134.88	1/2		1/2			
3/4	2,291.39	3/4	1,925.82	3/4	1,560.25	3/4	1,195.31	3/4	830.84	3/4	465.50	3/4	128.37	3/4		3/4			
2	2,283.77	2	1,918.21	2	1,552.63	2	1,187.70	2	823.23	2	457.96	2	121.86	2		2			
1/4	2,276.16	1/4	1,910.59	1/4	1,545.01	1/4	1,180.08	1/4	815.61	1/4	450.43	1/4	115.36	1/4		1/4			
1/2	2,268.54	1/2	1,902.97	1/2	1,537.40	1/2	1,172.48	1/2	807.99	1/2	442.98	1/2	108.95	1/2		1/2			
3/4	2,260.92	3/4	1,895.36	3/4	1,529.78	3/4	1,164.87	3/4	800.38	3/4	435.54	3/4	102.54	3/4		3/4			
3	2,253.31	3	1,887.74	3	1,522.16	3	1,157.27	3	792.76	3	428.09	3	96.13	3		3			
1/4	2,245.69	1/4	1,880.13	1/4	1,514.55	1/4	1,149.66	1/4	785.15	1/4	420.64	1/4	89.72	1/4		1/4			
1/2	2,238.08	1/2	1,872.51	1/2	1,506.93	1/2	1,142.07	1/2	777.53	1/2	413.28	1/2	83.41	1/2		1/2			
3/4	2,230.46	3/4	1,864.89	3/4	1,499.32	3/4	1,134.49	3/4	769.91	3/4	405.92	3/4	77.11	3/4		3/4			
4	2,222.84	4	1,857.28	4	1,491.70	4	1,126.90	4	762.30	4	398.55	4	70.80	4		4			
1/4	2,215.23	1/4	1,849.66	1/4	1,484.08	1/4	1,119.31	1/4	754.68	1/4	391.19	1/4	64.50	1/4		1/4			
1/2	2,207.61	1/2	1,842.04	1/2	1,476.48	1/2	1,111.72	1/2	747.06	1/2	383.91	1/2	58.31	1/2		1/2			
3/4	2,200.00	3/4	1,834.43	3/4	1,468.88	3/4	1,104.13	3/4	739.45	3/4	376.63	3/4	52.13	3/4		3/4			
5	2,192.38	5	1,826.81	5	1,461.28	5	1,096.54	5	731.83	5	369.36	5	45.94	5		5			
1/4	2,184.77	1/4	1,819.20	1/4	1,453.67	1/4	1,088.96	1/4	724.21	1/4	362.08	1/4	39.75	1/4		1/4			
1/2	2,177.15	1/2	1,811.58	1/2	1,446.09	1/2	1,081.37	1/2	716.60	1/2	354.88	1/2	34.26	1/2		1/2			
3/4	2,169.53	3/4	1,803.96	3/4	1,438.50	3/4	1,073.78	3/4	708.98	3/4	347.69	3/4	28.77	3/4		3/4			
6	2,161.92	6	1,796.35	6	1,430.91	6	1,066.19	6	701.36	6	340.50	6	23.28	6		6			
1/4	2,154.30	1/4	1,788.73	1/4	1,423.32	1/4	1,058.61	1/4	693.75	1/4	333.30	1/4	17.78	1/4		1/4			
1/2	2,146.69	1/2	1,781.12	1/2	1,415.73	1/2	1,051.02	1/2	686.13	1/2	326.19	1/2	14.23	1/2		1/2			
3/4	2,139.07	3/4	1,773.50	3/4	1,408.14	3/4	1,043.43	3/4	678.51	3/4	319.09	3/4	10.68	3/4		3/4			
7	2,131.45	7	1,765.88	7	1,400.55	7	1,035.84	7	670.90	7	311.98	7	7.13	7		7			
1/4	2,123.84	1/4	1,758.27	1/4	1,392.96	1/4	1,028.26	1/4	663.28	1/4	304.87	1/4	3.58	1/4		1/4			
1/2	2,116.22	1/2	1,750.65	1/2	1,385.38	1/2	1,020.67	1/2	655.66	1/2	297.84	1/2		1/2		1/2			
3/4	2,108.61	3/4	1,743.03	3/4	1,377.79	3/4	1,013.08	3/4	648.05	3/4	290.82	3/4		3/4		3/4			
8	2,100.99	8	1,735.42	8	1,370.20	8	1,005.49	8	640.43	8	283.80	8		8		8			
1/4	2,093.37	1/4	1,727.80	1/4	1,362.61	1/4	997.90	1/4	632.82	1/4	276.77	1/4		1/4		1/4			
1/2	2,085.76	1/2	1,720.19	1/2	1,355.02	1/2	990.32	1/2	625.20	1/2	269.83	1/2		1/2		1/2			
3/4	2,078.14	3/4	1,712.57	3/4	1,347.43	3/4	982.73	3/4	617.58	3/4	262.89	3/4		3/4		3/4			
9	2,070.53	9	1,704.95	9	1,339.84	9	975.14	9	609.96	9	255.95	9		9		9			
1/4	2,062.91	1/4	1,697.34	1/4	1,332.25	1/4	967.55	1/4	602.35	1/4	249.01	1/4		1/4		1/4			
1/2	2,055.29	1/2	1,689.72	1/2	1,324.66	1/2	959.97	1/2	594.73	1/2	242.16	1/2		1/2		1/2			
3/4	2,047.68	3/4	1,682.10	3/4	1,317.07	3/4	952.38	3/4	587.11	3/4	235.30	3/4		3/4		3/4			
10	2,040.06	10	1,674.49	10	1,309.48	10	944.79	10	579.50	10	228.45	10		10		10			
1/4	2,032.45	1/4	1,666.87	1/4	1,301.89	1/4	937.20	1/4	571.88	1/4	221.59	1/4		1/4		1/4			
1/2	2,024.83	1/2	1,659.26	1/2	1,294.29	1/2	929.61	1/2	564.26	1/2	214.82	1/2		1/2		1/2			
3/4	2,017.22	3/4	1,651.64	3/4	1,286.69	3/4	922.03	3/4	556.65	3/4	208.05	3/4		3/4		3/4			
11	2,009.60	11	1,644.02	11	1,279.09	11	914.44	11	549.03	11	201.28	11		11		11			
1/4	2,001.98	1/4	1,636.41	1/4	1,271.48	1/4	906.85	1/4	541.41	1/4	194.51	1/4		1/4		1/4			
1/2	1,994.37	1/2	1,628.79	1/2	1,263.87	1/2	899.26	1/2	533.80	1/2	187.83	1/2		1/2		1/2			
3/4	1,986.75	3/4	1,621.18	3/4	1,256.25	3/4	891.67	3/4	526.18	3/4	181.14	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/10/2005 CL - SW  
CALCULATED: 02/11/2005 CL  
PRINTED: 02/11/2005 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2005

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# BARGE "KIRBY 28072"

## 2 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,374.41	0	2,011.75	0	1,649.08	0	1,290.28	0	940.96	0	581.65	0	218.95	0		0			
1/4	2,366.86	1/4	2,004.20	1/4	1,641.53	1/4	1,282.73	1/4	933.73	1/4	574.10	1/4	211.39	1/4		1/4			
1/2	2,359.30	1/2	1,996.64	1/2	1,633.97	1/2	1,275.17	1/2	926.49	1/2	566.54	1/2	203.84	1/2		1/2			
3/4	2,351.75	3/4	1,989.09	3/4	1,626.42	3/4	1,267.61	3/4	919.25	3/4	558.98	3/4	196.28	3/4		3/4			
1	2,344.19	1	1,981.53	1	1,618.86	1	1,260.06	1	912.00	1	551.43	1	188.73	1		1			
1/4	2,336.64	1/4	1,973.97	1/4	1,611.31	1/4	1,252.50	1/4	904.76	1/4	543.87	1/4	181.18	1/4		1/4			
1/2	2,329.08	1/2	1,966.42	1/2	1,603.75	1/2	1,245.10	1/2	897.51	1/2	536.32	1/2	173.63	1/2		1/2			
3/4	2,321.52	3/4	1,958.86	3/4	1,596.19	3/4	1,237.69	3/4	890.25	3/4	528.76	3/4	166.08	3/4		3/4			
2	2,313.97	2	1,951.31	2	1,588.64	2	1,230.28	2	882.99	2	521.20	2	158.54	2		2			
1/4	2,306.41	1/4	1,943.75	1/4	1,581.08	1/4	1,222.88	1/4	875.74	1/4	513.65	1/4	150.99	1/4		1/4			
1/2	2,298.86	1/2	1,936.20	1/2	1,573.53	1/2	1,215.63	1/2	868.33	1/2	506.09	1/2	143.46	1/2		1/2			
3/4	2,291.30	3/4	1,928.64	3/4	1,565.97	3/4	1,208.39	3/4	860.93	3/4	498.53	3/4	135.92	3/4		3/4			
3	2,283.75	3	1,921.09	3	1,558.42	3	1,201.15	3	853.52	3	490.98	3	128.39	3		3			
1/4	2,276.19	1/4	1,913.53	1/4	1,550.86	1/4	1,193.91	1/4	846.12	1/4	483.42	1/4	120.85	1/4		1/4			
1/2	2,268.64	1/2	1,905.97	1/2	1,543.39	1/2	1,186.68	1/2	838.56	1/2	475.86	1/2	113.34	1/2		1/2			
3/4	2,261.08	3/4	1,898.42	3/4	1,535.91	3/4	1,179.45	3/4	831.01	3/4	468.31	3/4	105.82	3/4		3/4			
4	2,253.53	4	1,890.86	4	1,528.44	4	1,172.22	4	823.45	4	460.75	4	98.31	4		4			
1/4	2,245.97	1/4	1,883.31	1/4	1,520.96	1/4	1,164.99	1/4	815.89	1/4	453.20	1/4	90.79	1/4		1/4			
1/2	2,238.42	1/2	1,875.75	1/2	1,513.57	1/2	1,157.76	1/2	808.34	1/2	445.64	1/2	83.31	1/2		1/2			
3/4	2,230.86	3/4	1,868.20	3/4	1,506.17	3/4	1,150.54	3/4	800.78	3/4	438.08	3/4	75.83	3/4		3/4			
5	2,223.30	5	1,860.64	5	1,498.78	5	1,143.31	5	793.23	5	430.53	5	68.35	5		5			
1/4	2,215.75	1/4	1,853.08	1/4	1,491.38	1/4	1,136.08	1/4	785.67	1/4	422.97	1/4	60.86	1/4		1/4			
1/2	2,208.19	1/2	1,845.53	1/2	1,483.99	1/2	1,128.86	1/2	778.11	1/2	415.41	1/2	53.99	1/2		1/2			
3/4	2,200.64	3/4	1,837.97	3/4	1,476.60	3/4	1,121.63	3/4	770.56	3/4	407.86	3/4	47.11	3/4		3/4			
6	2,193.08	6	1,830.42	6	1,469.20	6	1,114.40	6	763.00	6	400.30	6	40.23	6		6			
1/4	2,185.53	1/4	1,822.86	1/4	1,461.81	1/4	1,107.18	1/4	755.45	1/4	392.74	1/4	33.36	1/4		1/4			
1/2	2,177.97	1/2	1,815.31	1/2	1,454.42	1/2	1,099.95	1/2	747.89	1/2	385.19	1/2	28.32	1/2		1/2			
3/4	2,170.42	3/4	1,807.75	3/4	1,447.02	3/4	1,092.72	3/4	740.33	3/4	377.63	3/4	23.29	3/4		3/4			
7	2,162.86	7	1,800.20	7	1,439.63	7	1,085.50	7	732.78	7	370.07	7	18.25	7		7			
1/4	2,155.31	1/4	1,792.64	1/4	1,432.23	1/4	1,078.27	1/4	725.22	1/4	362.52	1/4	13.22	1/4		1/4			
1/2	2,147.75	1/2	1,785.08	1/2	1,424.84	1/2	1,071.04	1/2	717.67	1/2	354.96	1/2		1/2		1/2			
3/4	2,140.20	3/4	1,777.53	3/4	1,417.45	3/4	1,063.82	3/4	710.11	3/4	347.41	3/4		3/4		3/4			
8	2,132.64	8	1,769.97	8	1,410.05	8	1,056.59	8	702.55	8	339.85	8		8		8			
1/4	2,125.08	1/4	1,762.42	1/4	1,402.66	1/4	1,049.37	1/4	695.00	1/4	332.29	1/4		1/4		1/4			
1/2	2,117.53	1/2	1,754.86	1/2	1,395.26	1/2	1,042.14	1/2	687.44	1/2	324.74	1/2		1/2		1/2			
3/4	2,109.97	3/4	1,747.31	3/4	1,387.87	3/4	1,034.91	3/4	679.89	3/4	317.18	3/4		3/4		3/4			
9	2,102.42	9	1,739.75	9	1,380.47	9	1,027.69	9	672.33	9	309.62	9		9		9			
1/4	2,094.86	1/4	1,732.20	1/4	1,373.08	1/4	1,020.46	1/4	664.77	1/4	302.07	1/4		1/4		1/4			
1/2	2,087.31	1/2	1,724.64	1/2	1,365.60	1/2	1,013.23	1/2	657.22	1/2	294.51	1/2		1/2		1/2			
3/4	2,079.75	3/4	1,717.08	3/4	1,358.13	3/4	1,006.01	3/4	649.66	3/4	286.95	3/4		3/4		3/4			
10	2,072.20	10	1,709.53	10	1,350.65	10	998.78	10	642.11	10	279.40	10		10		10			
1/4	2,064.64	1/4	1,701.97	1/4	1,343.18	1/4	991.55	1/4	634.55	1/4	271.84	1/4		1/4		1/4			
1/2	2,057.09	1/2	1,694.42	1/2	1,335.62	1/2	984.33	1/2	626.99	1/2	264.29	1/2		1/2		1/2			
3/4	2,049.53	3/4	1,686.86	3/4	1,328.06	3/4	977.10	3/4	619.44	3/4	256.73	3/4		3/4		3/4			
11	2,041.98	11	1,679.31	11	1,320.51	11	969.87	11	611.88	11	249.17	11		11		11			
1/4	2,034.42	1/4	1,671.75	1/4	1,312.95	1/4	962.65	1/4	604.32	1/4	241.62	1/4		1/4		1/4			
1/2	2,026.86	1/2	1,664.19	1/2	1,305.40	1/2	955.42	1/2	596.77	1/2	234.06	1/2		1/2		1/2			
3/4	2,019.31	3/4	1,656.64	3/4	1,297.84	3/4	948.19	3/4	589.21	3/4	226.50	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/10/2005 CL - SW  
CALCULATED: 02/11/2005 CL  
PRINTED: 02/11/2005 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2005

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



# BARGE "KIRBY 28072"

# 2 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,538.27	0	4,209.03	0	3,856.23	0	3,493.55	0	3,130.84	0	2,768.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,531.65	1/4	4,201.88	1/4	3,848.68	1/4	3,485.99	1/4	3,123.29	1/4	2,760.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,525.03	1/2	4,194.74	1/2	3,841.13	1/2	3,478.43	1/2	3,115.73	1/2	2,753.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,842.70	3/4	4,518.40	3/4	4,187.59	3/4	3,833.58	3/4	3,470.88	3/4	3,108.17
1	1	1	1	1	1	1	1	1	4,511.75	1	4,180.41	1	3,826.02	1	3,463.32	1	3,100.62	1	2,737.92
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,829.17	1/4	4,505.09	1/4	4,173.23	1/4	3,818.47	1/4	3,455.76	1/4	3,093.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,822.40	1/2	4,498.44	1/2	4,166.05	1/2	3,810.91	1/2	3,448.21	1/2	3,085.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,815.64	3/4	4,491.78	3/4	4,158.87	3/4	3,803.35	3/4	3,440.65	3/4	3,077.95
2	2	2	2	2	2	2	2	2	4,485.09	2	4,151.65	2	3,795.80	2	3,433.09	2	3,070.39	2	2,707.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,800.85	1/4	4,478.40	1/4	4,144.43	1/4	3,788.24	1/4	3,425.54	1/4	3,062.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,793.46	1/2	4,471.71	1/2	4,137.21	1/2	3,780.68	1/2	3,417.98	1/2	3,055.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,786.06	3/4	4,465.02	3/4	4,130.00	3/4	3,773.13	3/4	3,410.43	3/4	3,047.72
3	3	3	3	3	3	3	3	3	4,458.29	3	4,122.74	3	3,765.57	3	3,402.87	3	3,040.17	3	2,677.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,771.12	1/4	4,451.57	1/4	4,115.49	1/4	3,758.02	1/4	3,395.31	1/4	3,032.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,763.65	1/2	4,444.84	1/2	4,108.24	1/2	3,750.46	1/2	3,387.76	1/2	3,025.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,756.18	3/4	4,438.11	3/4	4,100.98	3/4	3,742.90	3/4	3,380.20	3/4	3,017.50
4	4	4	4	4	4	4	4	4	4,431.35	4	4,093.70	4	3,735.35	4	3,372.64	4	3,009.94	4	2,647.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,741.78	1/4	4,424.58	1/4	4,086.41	1/4	3,727.79	1/4	3,365.09	1/4	3,002.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,734.59	1/2	4,417.82	1/2	4,079.13	1/2	3,720.23	1/2	3,357.53	1/2	2,994.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,727.39	3/4	4,411.06	3/4	4,071.84	3/4	3,712.68	3/4	3,349.98	3/4	2,987.27
5	5	5	5	5	5	5	5	5	4,404.26	5	4,064.52	5	3,705.12	5	3,342.42	5	2,979.72	5	2,617.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,714.09	1/4	4,397.46	1/4	4,057.20	1/4	3,697.57	1/4	3,334.86	1/4	2,972.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,707.44	1/2	4,390.65	1/2	4,049.88	1/2	3,690.01	1/2	3,327.31	1/2	2,964.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,700.79	3/4	4,383.85	3/4	4,042.56	3/4	3,682.45	3/4	3,319.75	3/4	2,957.05
6	6	6	6	6	6	6	6	6	4,377.02	6	4,035.20	6	3,674.90	6	3,312.19	6	2,949.49	6	2,586.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,687.98	1/4	4,370.18	1/4	4,027.85	1/4	3,667.34	1/4	3,304.64	1/4	2,941.94
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,681.58	1/2	4,363.34	1/2	4,020.49	1/2	3,659.78	1/2	3,297.08	1/2	2,934.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,675.17	3/4	4,356.50	3/4	4,013.13	3/4	3,652.23	3/4	3,289.53	3/4	2,926.82
7	7	7	7	7	7	7	7	7	4,349.61	7	4,005.74	7	3,644.67	7	3,281.97	7	2,919.27	7	2,564.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,662.29	1/4	4,342.71	1/4	3,998.34	1/4	3,637.11	1/4	3,274.41	1/4	2,911.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,655.85	1/2	4,335.81	1/2	3,990.95	1/2	3,629.56	1/2	3,266.86	1/2	2,904.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,649.41	3/4	4,328.92	3/4	3,983.55	3/4	3,622.00	3/4	3,259.30	3/4	2,896.60
8	8	8	8	8	8	8	8	8	4,321.94	8	3,976.12	8	3,614.45	8	3,251.74	8	2,889.04	8	2,582.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,636.46	1/4	4,314.97	1/4	3,968.69	1/4	3,606.89	1/4	3,244.19	1/4	2,881.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,629.98	1/2	4,307.99	1/2	3,961.26	1/2	3,599.33	1/2	3,236.63	1/2	2,873.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,623.51	3/4	4,301.02	3/4	3,953.83	3/4	3,591.78	3/4	3,229.07	3/4	2,866.37
9	9	9	9	9	9	9	9	9	4,293.98	9	3,946.36	9	3,584.22	9	3,221.52	9	2,858.82	9	2,496.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,610.48	1/4	4,286.95	1/4	3,938.89	1/4	3,576.66	1/4	3,213.96	1/4	2,851.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,603.96	1/2	4,279.92	1/2	3,931.42	1/2	3,569.11	1/2	3,206.41	1/2	2,843.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,597.45	3/4	4,272.88	3/4	3,923.95	3/4	3,561.55	3/4	3,198.85	3/4	2,836.15
10	10	10	10	10	10	10	10	10	4,265.81	10	3,916.45	10	3,554.00	10	3,191.29	10	2,828.59	10	2,465.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,584.35	1/4	4,258.74	1/4	3,908.94	1/4	3,546.44	1/4	3,183.74	1/4	2,821.03
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,577.80	1/2	4,251.67	1/2	3,901.44	1/2	3,538.88	1/2	3,176.18	1/2	2,813.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,571.25	3/4	4,244.60	3/4	3,893.93	3/4	3,531.33	3/4	3,168.62	3/4	2,805.92
11	11	11	11	11	11	11	11	11	4,237.49	11	3,886.40	11	3,523.77	11	3,161.07	11	2,798.37	11	2,435.66
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,558.07	1/4	4,230.39	1/4	3,878.86	1/4	3,516.21	1/4	3,153.51	1/4	2,790.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,551.48	1/2	4,223.28	1/2	3,871.32	1/2	3,508.66	1/2	3,145.96	1/2	2,783.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,544.89	3/4	4,216.17	3/4	3,863.79	3/4	3,501.10	3/4	3,138.40	3/4	2,775.70

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 54'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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





# BARGE "KIRBY 28072"

## 2 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,405.44	0	2,042.74	0	1,680.02	0	1,321.18	0	959.44	0	596.84	0	234.09	0		0			
1/4	2,397.88	1/4	2,035.18	1/4	1,672.47	1/4	1,313.62	1/4	951.91	1/4	589.28	1/4	226.53	1/4		1/4			
1/2	2,390.33	1/2	2,027.62	1/2	1,664.91	1/2	1,306.07	1/2	944.38	1/2	581.72	1/2	218.97	1/2		1/2			
3/4	2,382.77	3/4	2,020.07	3/4	1,657.35	3/4	1,298.51	3/4	936.85	3/4	574.17	3/4	211.42	3/4		3/4			
1	2,375.21	1	2,012.51	1	1,649.80	1	1,290.95	1	929.31	1	566.61	1	203.86	1		1			
1/4	2,367.66	1/4	2,004.95	1/4	1,642.24	1/4	1,283.40	1/4	921.76	1/4	559.05	1/4	196.31	1/4		1/4			
1/2	2,360.10	1/2	1,997.40	1/2	1,634.68	1/2	1,275.84	1/2	914.22	1/2	551.49	1/2	188.75	1/2		1/2			
3/4	2,352.54	3/4	1,989.84	3/4	1,627.13	3/4	1,268.28	3/4	906.67	3/4	543.94	3/4	181.20	3/4		3/4			
2	2,344.99	2	1,982.28	2	1,619.57	2	1,260.72	2	899.11	2	536.38	2	173.65	2		2			
1/4	2,337.43	1/4	1,974.73	1/4	1,612.02	1/4	1,253.17	1/4	891.56	1/4	528.82	1/4	166.10	1/4		1/4			
1/2	2,329.88	1/2	1,967.17	1/2	1,604.46	1/2	1,245.61	1/2	884.00	1/2	521.26	1/2	158.56	1/2		1/2			
3/4	2,322.32	3/4	1,959.61	3/4	1,596.90	3/4	1,238.05	3/4	876.44	3/4	513.71	3/4	151.01	3/4		3/4			
3	2,314.76	3	1,952.06	3	1,589.35	3	1,230.51	3	868.89	3	506.15	3	143.47	3		3			
1/4	2,307.21	1/4	1,944.50	1/4	1,581.79	1/4	1,222.96	1/4	861.33	1/4	498.59	1/4	135.94	1/4		1/4			
1/2	2,299.65	1/2	1,936.94	1/2	1,574.23	1/2	1,215.42	1/2	853.77	1/2	491.04	1/2	128.40	1/2		1/2			
3/4	2,292.09	3/4	1,929.39	3/4	1,566.68	3/4	1,207.87	3/4	846.22	3/4	483.48	3/4	120.87	3/4		3/4			
4	2,284.54	4	1,921.83	4	1,559.20	4	1,200.34	4	838.66	4	475.92	4	113.35	4		4			
1/4	2,276.98	1/4	1,914.28	1/4	1,551.72	1/4	1,192.82	1/4	831.10	1/4	468.36	1/4	105.83	1/4		1/4			
1/2	2,269.42	1/2	1,906.72	1/2	1,544.25	1/2	1,185.29	1/2	823.55	1/2	460.81	1/2	98.32	1/2		1/2			
3/4	2,261.87	3/4	1,899.16	3/4	1,536.77	3/4	1,177.76	3/4	815.99	3/4	453.25	3/4	90.80	3/4		3/4			
5	2,254.31	5	1,891.61	5	1,529.38	5	1,170.23	5	808.43	5	445.69	5	83.32	5		5			
1/4	2,246.76	1/4	1,884.05	1/4	1,521.98	1/4	1,162.70	1/4	800.88	1/4	438.13	1/4	75.84	1/4		1/4			
1/2	2,239.20	1/2	1,876.49	1/2	1,514.59	1/2	1,155.17	1/2	793.32	1/2	430.58	1/2	68.35	1/2		1/2			
3/4	2,231.64	3/4	1,868.94	3/4	1,507.19	3/4	1,147.64	3/4	785.76	3/4	423.02	3/4	60.87	3/4		3/4			
6	2,224.09	6	1,861.38	6	1,499.80	6	1,140.12	6	778.21	6	415.46	6	53.99	6		6			
1/4	2,216.53	1/4	1,853.82	1/4	1,492.40	1/4	1,132.59	1/4	770.65	1/4	407.91	1/4	47.12	1/4		1/4			
1/2	2,208.97	1/2	1,846.27	1/2	1,485.01	1/2	1,125.06	1/2	763.09	1/2	400.35	1/2	40.24	1/2		1/2			
3/4	2,201.42	3/4	1,838.71	3/4	1,477.61	3/4	1,117.53	3/4	755.54	3/4	392.79	3/4	33.36	3/4		3/4			
7	2,193.86	7	1,831.15	7	1,470.22	7	1,110.00	7	747.98	7	385.23	7	28.33	7		7			
1/4	2,186.31	1/4	1,823.60	1/4	1,462.82	1/4	1,102.48	1/4	740.42	1/4	377.68	1/4	23.29	1/4		1/4			
1/2	2,178.75	1/2	1,816.04	1/2	1,455.43	1/2	1,094.95	1/2	732.87	1/2	370.12	1/2	18.25	1/2		1/2			
3/4	2,171.19	3/4	1,808.48	3/4	1,448.03	3/4	1,087.42	3/4	725.31	3/4	362.56	3/4	13.22	3/4		3/4			
8	2,163.64	8	1,800.93	8	1,440.64	8	1,079.89	8	717.75	8	355.00	8		8		8			
1/4	2,156.08	1/4	1,793.37	1/4	1,433.24	1/4	1,072.36	1/4	710.19	1/4	347.45	1/4		1/4		1/4			
1/2	2,148.52	1/2	1,785.81	1/2	1,425.85	1/2	1,064.84	1/2	702.64	1/2	339.89	1/2		1/2		1/2			
3/4	2,140.97	3/4	1,778.26	3/4	1,418.45	3/4	1,057.31	3/4	695.08	3/4	332.33	3/4		3/4		3/4			
9	2,133.41	9	1,770.70	9	1,411.06	9	1,049.78	9	687.52	9	324.78	9		9		9			
1/4	2,125.85	1/4	1,763.15	1/4	1,403.66	1/4	1,042.25	1/4	679.97	1/4	317.22	1/4		1/4		1/4			
1/2	2,118.30	1/2	1,755.59	1/2	1,396.27	1/2	1,034.72	1/2	672.41	1/2	309.66	1/2		1/2		1/2			
3/4	2,110.74	3/4	1,748.03	3/4	1,388.87	3/4	1,027.19	3/4	664.85	3/4	302.10	3/4		3/4		3/4			
10	2,103.19	10	1,740.48	10	1,381.40	10	1,019.67	10	657.30	10	294.55	10		10		10			
1/4	2,095.63	1/4	1,732.92	1/4	1,373.92	1/4	1,012.14	1/4	649.74	1/4	286.99	1/4		1/4		1/4			
1/2	2,088.07	1/2	1,725.36	1/2	1,366.44	1/2	1,004.61	1/2	642.18	1/2	279.43	1/2		1/2		1/2			
3/4	2,080.52	3/4	1,717.81	3/4	1,358.97	3/4	997.08	3/4	634.62	3/4	271.87	3/4		3/4		3/4			
11	2,072.96	11	1,710.25	11	1,351.41	11	989.55	11	627.07	11	264.32	11		11		11			
1/4	2,065.40	1/4	1,702.69	1/4	1,343.85	1/4	982.03	1/4	619.51	1/4	256.76	1/4		1/4		1/4			
1/2	2,057.85	1/2	1,695.14	1/2	1,336.30	1/2	974.50	1/2	611.95	1/2	249.20	1/2		1/2		1/2			
3/4	2,050.29	3/4	1,687.58	3/4	1,328.74	3/4	966.97	3/4	604.40	3/4	241.64	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/10/2005 CL - SW  
CALCULATED: 02/11/2005 CL  
PRINTED: 02/11/2005 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2005

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





# BARGE "KIRBY 28072"

## 3 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 5/8"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,295.91	0	1,933.34	0	1,570.85	0	1,212.78	0	859.40	0	503.61	0	140.51	0		0			
1/4	2,288.36	1/4	1,925.79	1/4	1,563.32	1/4	1,205.25	1/4	852.06	1/4	496.04	1/4	133.26	1/4		1/4			
1/2	2,280.80	1/2	1,918.23	1/2	1,555.79	1/2	1,197.71	1/2	844.73	1/2	488.46	1/2	126.00	1/2		1/2			
3/4	2,273.25	3/4	1,910.68	3/4	1,548.26	3/4	1,190.17	3/4	837.38	3/4	480.89	3/4	119.21	3/4		3/4			
1	2,265.70	1	1,903.13	1	1,540.72	1	1,182.63	1	830.03	1	473.31	1	112.90	1		1			
1/4	2,258.14	1/4	1,895.57	1/4	1,533.19	1/4	1,175.09	1/4	822.68	1/4	465.74	1/4	106.59	1/4		1/4			
1/2	2,250.59	1/2	1,888.02	1/2	1,525.66	1/2	1,167.55	1/2	815.33	1/2	458.17	1/2	100.28	1/2		1/2			
3/4	2,243.04	3/4	1,880.47	3/4	1,518.13	3/4	1,160.07	3/4	807.97	3/4	450.59	3/4	94.60	3/4		3/4			
2	2,235.48	2	1,872.91	2	1,510.60	2	1,152.63	2	800.60	2	443.02	2	89.56	2		2			
1/4	2,227.93	1/4	1,865.36	1/4	1,503.07	1/4	1,145.20	1/4	793.24	1/4	435.44	1/4	84.52	1/4		1/4			
1/2	2,220.37	1/2	1,857.80	1/2	1,495.54	1/2	1,137.77	1/2	785.88	1/2	427.87	1/2	79.47	1/2		1/2			
3/4	2,212.82	3/4	1,850.25	3/4	1,488.01	3/4	1,130.39	3/4	778.51	3/4	420.29	3/4	75.07	3/4		3/4			
3	2,205.27	3	1,842.70	3	1,480.48	3	1,123.06	3	771.15	3	412.72	3	71.30	3		3			
1/4	2,197.71	1/4	1,835.14	1/4	1,472.95	1/4	1,115.74	1/4	763.78	1/4	405.14	1/4	67.53	1/4		1/4			
1/2	2,190.16	1/2	1,827.59	1/2	1,465.42	1/2	1,108.41	1/2	756.42	1/2	397.57	1/2	63.76	1/2		1/2			
3/4	2,182.61	3/4	1,820.04	3/4	1,457.93	3/4	1,101.09	3/4	749.05	3/4	390.00	3/4	60.63	3/4		3/4			
4	2,175.05	4	1,812.48	4	1,450.48	4	1,093.77	4	741.69	4	382.42	4	58.14	4		4			
1/4	2,167.50	1/4	1,804.93	1/4	1,443.03	1/4	1,086.45	1/4	734.32	1/4	374.85	1/4	55.65	1/4		1/4			
1/2	2,159.95	1/2	1,797.37	1/2	1,435.58	1/2	1,079.13	1/2	726.96	1/2	367.27	1/2	53.16	1/2		1/2			
3/4	2,152.39	3/4	1,789.82	3/4	1,428.17	3/4	1,071.81	3/4	719.60	3/4	359.70	3/4	51.32	3/4		3/4			
5	2,144.84	5	1,782.27	5	1,420.79	5	1,064.50	5	712.23	5	352.12	5	50.12	5		5			
1/4	2,137.29	1/4	1,774.71	1/4	1,413.41	1/4	1,057.18	1/4	704.87	1/4	344.55	1/4	48.93	1/4		1/4			
1/2	2,129.73	1/2	1,767.16	1/2	1,406.03	1/2	1,049.86	1/2	697.50	1/2	336.98	1/2	47.73	1/2		1/2			
3/4	2,122.18	3/4	1,759.61	3/4	1,398.64	3/4	1,042.55	3/4	690.14	3/4	329.40	3/4	47.14	3/4		3/4			
6	2,114.63	6	1,752.05	6	1,391.25	6	1,035.23	6	682.77	6	321.83	6		6		6			
1/4	2,107.07	1/4	1,744.50	1/4	1,383.85	1/4	1,027.91	1/4	675.41	1/4	314.25	1/4		1/4		1/4			
1/2	2,099.52	1/2	1,736.94	1/2	1,376.46	1/2	1,020.59	1/2	668.05	1/2	306.68	1/2		1/2		1/2			
3/4	2,091.97	3/4	1,729.39	3/4	1,369.07	3/4	1,013.28	3/4	660.68	3/4	299.10	3/4		3/4		3/4			
7	2,084.41	7	1,721.84	7	1,361.67	7	1,005.96	7	653.32	7	291.53	7		7		7			
1/4	2,076.86	1/4	1,714.28	1/4	1,354.28	1/4	998.64	1/4	645.95	1/4	283.95	1/4		1/4		1/4			
1/2	2,069.30	1/2	1,706.73	1/2	1,346.89	1/2	991.32	1/2	638.59	1/2	276.38	1/2		1/2		1/2			
3/4	2,061.75	3/4	1,699.18	3/4	1,339.49	3/4	984.01	3/4	631.22	3/4	268.81	3/4		3/4		3/4			
8	2,054.20	8	1,691.62	8	1,332.10	8	976.69	8	623.86	8	261.23	8		8		8			
1/4	2,046.64	1/4	1,684.07	1/4	1,324.71	1/4	969.37	1/4	616.50	1/4	253.66	1/4		1/4		1/4			
1/2	2,039.09	1/2	1,676.52	1/2	1,317.31	1/2	962.06	1/2	609.13	1/2	246.08	1/2		1/2		1/2			
3/4	2,031.54	3/4	1,668.96	3/4	1,309.92	3/4	954.73	3/4	601.71	3/4	238.51	3/4		3/4		3/4			
9	2,023.98	9	1,661.41	9	1,302.54	9	947.41	9	594.25	9	230.93	9		9		9			
1/4	2,016.43	1/4	1,653.85	1/4	1,295.15	1/4	940.08	1/4	586.78	1/4	223.36	1/4		1/4		1/4			
1/2	2,008.88	1/2	1,646.30	1/2	1,287.77	1/2	932.75	1/2	579.31	1/2	215.78	1/2		1/2		1/2			
3/4	2,001.32	3/4	1,638.75	3/4	1,280.35	3/4	925.42	3/4	571.78	3/4	208.21	3/4		3/4		3/4			
10	1,993.77	10	1,631.19	10	1,272.89	10	918.09	10	564.21	10	200.64	10		10		10			
1/4	1,986.22	1/4	1,623.64	1/4	1,265.43	1/4	910.75	1/4	556.63	1/4	193.06	1/4		1/4		1/4			
1/2	1,978.66	1/2	1,616.09	1/2	1,257.98	1/2	903.42	1/2	549.06	1/2	185.49	1/2		1/2		1/2			
3/4	1,971.11	3/4	1,608.54	3/4	1,250.48	3/4	896.08	3/4	541.48	3/4	177.91	3/4		3/4		3/4			
11	1,963.56	11	1,601.00	11	1,242.94	11	888.75	11	533.91	11	170.34	11		11		11			
1/4	1,956.00	1/4	1,593.45	1/4	1,235.40	1/4	881.41	1/4	526.34	1/4	162.76	1/4		1/4		1/4			
1/2	1,948.45	1/2	1,585.91	1/2	1,227.86	1/2	874.07	1/2	518.76	1/2	155.19	1/2		1/2		1/2			
3/4	1,940.90	3/4	1,578.38	3/4	1,220.32	3/4	866.74	3/4	511.19	3/4	147.77	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/10/2005 CL - SW  
CALCULATED: 02/11/2005 CL  
PRINTED: 02/11/2005 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2005

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





# BARGE "KIRBY 28072"

3 STBD  
ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,313.66	0	1,949.96	0	1,586.25	0	1,226.41	0	863.69	0	500.06	0	136.95	0		0			
1/4	2,306.08	1/4	1,942.38	1/4	1,578.67	1/4	1,218.83	1/4	856.14	1/4	492.48	1/4	129.69	1/4		1/4			
1/2	2,298.50	1/2	1,934.80	1/2	1,571.09	1/2	1,211.25	1/2	848.59	1/2	484.91	1/2	122.43	1/2		1/2			
3/4	2,290.93	3/4	1,927.22	3/4	1,563.51	3/4	1,203.67	3/4	841.03	3/4	477.33	3/4	116.11	3/4		3/4			
1	2,283.35	1	1,919.65	1	1,555.94	1	1,196.09	1	833.46	1	469.75	1	109.80	1		1			
1/4	2,275.77	1/4	1,912.07	1/4	1,548.36	1/4	1,188.52	1/4	825.90	1/4	462.17	1/4	103.48	1/4		1/4			
1/2	2,268.19	1/2	1,904.49	1/2	1,540.78	1/2	1,180.94	1/2	818.33	1/2	454.59	1/2	97.17	1/2		1/2			
3/4	2,260.62	3/4	1,896.92	3/4	1,533.20	3/4	1,173.36	3/4	810.75	3/4	447.02	3/4	92.13	3/4		3/4			
2	2,253.04	2	1,889.34	2	1,525.63	2	1,165.78	2	803.18	2	439.44	2	87.08	2		2			
1/4	2,245.46	1/4	1,881.76	1/4	1,518.05	1/4	1,158.20	1/4	795.60	1/4	431.86	1/4	82.03	1/4		1/4			
1/2	2,237.89	1/2	1,874.18	1/2	1,510.47	1/2	1,150.63	1/2	788.02	1/2	424.28	1/2	76.99	1/2		1/2			
3/4	2,230.31	3/4	1,866.61	3/4	1,502.90	3/4	1,143.06	3/4	780.44	3/4	416.70	3/4	73.22	3/4		3/4			
3	2,222.73	3	1,859.03	3	1,495.32	3	1,135.50	3	772.87	3	409.13	3	69.45	3		3			
1/4	2,215.15	1/4	1,851.45	1/4	1,487.74	1/4	1,127.93	1/4	765.29	1/4	401.55	1/4	65.67	1/4		1/4			
1/2	2,207.58	1/2	1,843.87	1/2	1,480.16	1/2	1,120.36	1/2	757.71	1/2	393.97	1/2	61.90	1/2		1/2			
3/4	2,200.00	3/4	1,836.30	3/4	1,472.67	3/4	1,112.81	3/4	750.13	3/4	386.39	3/4	59.41	3/4		3/4			
4	2,192.42	4	1,828.72	4	1,465.17	4	1,105.26	4	742.56	4	378.81	4	56.92	4		4			
1/4	2,184.85	1/4	1,821.14	1/4	1,457.67	1/4	1,097.71	1/4	734.98	1/4	371.24	1/4	54.43	1/4		1/4			
1/2	2,177.27	1/2	1,813.56	1/2	1,450.18	1/2	1,090.16	1/2	727.40	1/2	363.66	1/2	51.94	1/2		1/2			
3/4	2,169.69	3/4	1,805.99	3/4	1,442.76	3/4	1,082.61	3/4	719.82	3/4	356.08	3/4	50.75	3/4		3/4			
5	2,162.11	5	1,798.41	5	1,435.35	5	1,075.06	5	712.24	5	348.50	5	49.55	5		5			
1/4	2,154.54	1/4	1,790.83	1/4	1,427.93	1/4	1,067.52	1/4	704.67	1/4	340.92	1/4	48.36	1/4		1/4			
1/2	2,146.96	1/2	1,783.26	1/2	1,420.52	1/2	1,059.97	1/2	697.09	1/2	333.35	1/2	47.16	1/2		1/2			
3/4	2,139.38	3/4	1,775.68	3/4	1,413.10	3/4	1,052.42	3/4	689.51	3/4	325.77	3/4		3/4		3/4			
6	2,131.81	6	1,768.10	6	1,405.68	6	1,044.87	6	681.93	6	318.19	6		6		6			
1/4	2,124.23	1/4	1,760.52	1/4	1,398.27	1/4	1,037.32	1/4	674.36	1/4	310.61	1/4		1/4		1/4			
1/2	2,116.65	1/2	1,752.95	1/2	1,390.85	1/2	1,029.77	1/2	666.78	1/2	303.03	1/2		1/2		1/2			
3/4	2,109.08	3/4	1,745.37	3/4	1,383.44	3/4	1,022.22	3/4	659.20	3/4	295.46	3/4		3/4		3/4			
7	2,101.50	7	1,737.79	7	1,376.02	7	1,014.67	7	651.62	7	287.88	7		7		7			
1/4	2,093.92	1/4	1,730.21	1/4	1,368.61	1/4	1,007.13	1/4	644.05	1/4	280.30	1/4		1/4		1/4			
1/2	2,086.34	1/2	1,722.64	1/2	1,361.19	1/2	999.58	1/2	636.47	1/2	272.72	1/2		1/2		1/2			
3/4	2,078.77	3/4	1,715.06	3/4	1,353.77	3/4	992.03	3/4	628.89	3/4	265.14	3/4		3/4		3/4			
8	2,071.19	8	1,707.48	8	1,346.36	8	984.48	8	621.31	8	257.57	8		8		8			
1/4	2,063.61	1/4	1,699.91	1/4	1,338.94	1/4	976.93	1/4	613.74	1/4	249.99	1/4		1/4		1/4			
1/2	2,056.04	1/2	1,692.33	1/2	1,331.53	1/2	969.38	1/2	606.16	1/2	242.41	1/2		1/2		1/2			
3/4	2,048.46	3/4	1,684.75	3/4	1,324.11	3/4	961.83	3/4	598.58	3/4	234.83	3/4		3/4		3/4			
9	2,040.88	9	1,677.17	9	1,316.69	9	954.28	9	591.00	9	227.25	9		9		9			
1/4	2,033.30	1/4	1,669.60	1/4	1,309.28	1/4	946.73	1/4	583.42	1/4	219.68	1/4		1/4		1/4			
1/2	2,025.73	1/2	1,662.02	1/2	1,301.86	1/2	939.19	1/2	575.84	1/2	212.10	1/2		1/2		1/2			
3/4	2,018.15	3/4	1,654.44	3/4	1,294.36	3/4	931.64	3/4	568.26	3/4	204.52	3/4		3/4		3/4			
10	2,010.57	10	1,646.86	10	1,286.87	10	924.09	10	560.69	10	196.94	10		10		10			
1/4	2,003.00	1/4	1,639.29	1/4	1,279.37	1/4	916.54	1/4	553.11	1/4	189.36	1/4		1/4		1/4			
1/2	1,995.42	1/2	1,631.71	1/2	1,271.87	1/2	908.99	1/2	545.53	1/2	181.79	1/2		1/2		1/2			
3/4	1,987.84	3/4	1,624.13	3/4	1,264.30	3/4	901.44	3/4	537.95	3/4	174.21	3/4		3/4		3/4			
11	1,980.26	11	1,616.56	11	1,256.72	11	893.89	11	530.37	11	166.63	11		11		11			
1/4	1,972.69	1/4	1,608.98	1/4	1,249.14	1/4	886.34	1/4	522.80	1/4	159.05	1/4		1/4		1/4			
1/2	1,965.11	1/2	1,601.40	1/2	1,241.56	1/2	878.80	1/2	515.22	1/2	151.47	1/2		1/2		1/2			
3/4	1,957.53	3/4	1,593.82	3/4	1,233.98	3/4	871.24	3/4	507.64	3/4	144.21	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/10/2005 CL - SW  
CALCULATED: 02/11/2005 CL  
PRINTED: 02/11/2005 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2005

PRECISION MEASUREMENT  
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