



# BARGE "KIRBY 28044"

## ULLAGE TRIM TABLE

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

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

LENGTH BETWEEN DRAFT MARKS: 237'-00"

April 5, 2006

PRECISION MEASUREMENT  
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 P.O. Box 2092  
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<http://www.pmacorp.net>



# BARGE "KIRBY 28044"

## 1 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 1/4"

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	4,216.97	0	3,928.51	0	3,625.83	0	3,309.20	0	2,980.14	0	2,648.72	0	2,317.27		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,211.08	1/4	3,922.38	1/4	3,619.38	1/4	3,302.46	1/4	2,973.23	1/4	2,641.81	1/4	2,310.36		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,205.17	1/2	3,916.22	1/2	3,612.91	1/2	3,295.71	1/2	2,966.33	1/2	2,634.91	1/2	2,303.46		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,199.26	3/4	3,910.06	3/4	3,606.43	3/4	3,288.95	3/4	2,959.42	3/4	2,628.00	3/4	2,296.55		
1		1		1		1	4,193.35	1	3,903.91	1	3,599.96	1	3,282.20	1	2,952.52	1	2,621.10	1	2,289.65		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,187.44	1/4	3,897.75	1/4	3,593.48	1/4	3,275.45	1/4	2,945.61	1/4	2,614.19	1/4	2,282.74		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,181.50	1/2	3,891.57	1/2	3,586.99	1/2	3,268.66	1/2	2,938.71	1/2	2,607.29	1/2	2,275.84		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,175.57	3/4	3,885.39	3/4	3,580.49	3/4	3,261.88	3/4	2,931.80	3/4	2,600.38	3/4	2,268.93		
2		2		2		2	4,169.64	2	3,879.20	2	3,574.00	2	3,255.09	2	2,924.90	2	2,593.48	2	2,262.02		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,163.70	1/4	3,873.02	1/4	3,567.50	1/4	3,248.31	1/4	2,918.00	1/4	2,586.57	1/4	2,255.12		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,157.74	1/2	3,866.82	1/2	3,560.98	1/2	3,241.51	1/2	2,911.09	1/2	2,579.67	1/2	2,248.21		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,151.78	3/4	3,860.61	3/4	3,554.47	3/4	3,234.70	3/4	2,904.19	3/4	2,572.77	3/4	2,241.31		
3		3		3		3	4,145.82	3	3,854.41	3	3,547.95	3	3,227.90	3	2,897.28	3	2,565.86	3	2,234.40		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,139.86	1/4	3,848.20	1/4	3,541.43	1/4	3,221.10	1/4	2,890.38	1/4	2,558.96	1/4	2,227.49		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,133.92	1/2	3,841.95	1/2	3,534.89	1/2	3,214.28	1/2	2,883.47	1/2	2,552.05	1/2	2,220.59		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,127.97	3/4	3,835.69	3/4	3,528.34	3/4	3,207.45	3/4	2,876.57	3/4	2,545.15	3/4	2,213.68		
4		4		4		4	4,122.02	4	3,829.43	4	3,521.80	4	3,200.63	4	2,869.66	4	2,538.24	4	2,206.78		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,116.08	1/4	3,823.17	1/4	3,515.25	1/4	3,193.80	1/4	2,862.76	1/4	2,531.34	1/4	2,199.87		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,110.11	1/2	3,816.88	1/2	3,508.69	1/2	3,186.95	1/2	2,855.85	1/2	2,524.43	1/2	2,192.96		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,104.14	3/4	3,810.59	3/4	3,502.12	3/4	3,180.10	3/4	2,848.95	3/4	2,517.53	3/4	2,186.06		
5		5		5		5	4,098.17	5	3,804.31	5	3,495.55	5	3,173.25	5	2,842.05	5	2,510.62	5	2,179.15		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,092.20	1/4	3,798.02	1/4	3,488.99	1/4	3,166.39	1/4	2,835.14	1/4	2,503.72	1/4	2,172.25		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,086.20	1/2	3,791.71	1/2	3,482.39	1/2	3,159.52	1/2	2,828.24	1/2	2,496.82	1/2	2,165.34		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,080.21	3/4	3,785.40	3/4	3,475.80	3/4	3,152.65	3/4	2,821.33	3/4	2,489.91	3/4	2,158.44		
6		6		6		6	4,074.21	6	3,779.10	6	3,469.20	6	3,145.78	6	2,814.43	6	2,483.01	6	2,151.53		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,068.22	1/4	3,772.79	1/4	3,462.61	1/4	3,138.90	1/4	2,807.52	1/4	2,476.10	1/4	2,144.62		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,360.68	1/2	4,062.20	1/2	3,766.45	1/2	3,455.99	1/2	3,132.01	1/2	2,800.62	1/2	2,469.20	1/2	2,137.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,355.50	3/4	4,056.18	3/4	3,760.11	3/4	3,449.38	3/4	3,125.11	3/4	2,793.71	3/4	2,462.29	3/4	2,130.81
7		7		7		7	4,350.32	7	4,050.17	7	3,753.78	7	3,442.77	7	3,118.22	7	2,786.81	7	2,455.39	7	2,123.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,345.14	1/4	4,044.15	1/4	3,747.44	1/4	3,436.15	1/4	3,111.32	1/4	2,779.90	1/4	2,448.48	1/4	2,117.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,338.23	1/2	4,038.10	1/2	3,741.08	1/2	3,429.52	1/2	3,104.42	1/2	2,773.00	1/2	2,441.58	1/2	2,110.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,331.33	3/4	4,032.06	3/4	3,734.73	3/4	3,422.88	3/4	3,097.52	3/4	2,766.09	3/4	2,434.67	3/4	2,103.19
8		8		8		8	4,324.42	8	4,026.01	8	3,728.37	8	3,416.24	8	3,090.61	8	2,759.19	8	2,427.77	8	2,096.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,317.52	1/4	4,019.97	1/4	3,722.02	1/4	3,409.61	1/4	3,083.71	1/4	2,752.29	1/4	2,420.86	1/4	2,089.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,310.61	1/2	4,013.90	1/2	3,715.64	1/2	3,402.94	1/2	3,076.80	1/2	2,745.38	1/2	2,413.95	1/2	2,082.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,303.70	3/4	4,007.84	3/4	3,709.26	3/4	3,396.28	3/4	3,069.90	3/4	2,738.48	3/4	2,407.05	3/4	2,075.56
9		9		9		9	4,296.80	9	4,001.78	9	3,702.88	9	3,389.62	9	3,062.99	9	2,731.57	9	2,400.14	9	2,068.66
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,289.89	1/4	3,995.71	1/4	3,696.50	1/4	3,382.95	1/4	3,056.09	1/4	2,724.67	1/4	2,393.24	1/4	2,061.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,282.99	1/2	3,989.63	1/2	3,690.10	1/2	3,376.27	1/2	3,049.18	1/2	2,717.76	1/2	2,386.33	1/2	2,054.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,276.08	3/4	3,983.54	3/4	3,683.69	3/4	3,369.58	3/4	3,042.28	3/4	2,710.86	3/4	2,379.42	3/4	2,047.94
10		10		10		10	4,269.18	10	3,977.45	10	3,677.29	10	3,362.90	10	3,035.37	10	2,703.95	10	2,372.52	10	2,041.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,262.27	1/4	3,971.37	1/4	3,670.88	1/4	3,356.22	1/4	3,028.47	1/4	2,697.05	1/4	2,365.61	1/4	2,034.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,255.36	1/2	3,965.25	1/2	3,664.45	1/2	3,349.51	1/2	3,021.56	1/2	2,690.14	1/2	2,358.71	1/2	2,027.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,248.46	3/4	3,959.14	3/4	3,658.03	3/4	3,342.80	3/4	3,014.66	3/4	2,683.24	3/4	2,351.80	3/4	2,020.32
11		11		11		11	4,241.55	11	3,953.03	11	3,651.60	11	3,336.10	11	3,007.76	11	2,676.33	11	2,344.89	11	2,013.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,234.65	1/4	3,946.91	1/4	3,645.18	1/4	3,329.39	1/4	3,000.85	1/4	2,669.43	1/4	2,337.99	1/4	2,006.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,228.76	1/2	3,940.78	1/2	3,638.73	1/2	3,322.66	1/2	2,993.95	1/2	2,662.53	1/2	2,331.08	1/2	1,999.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,222.86	3/4	3,934.64	3/4	3,632.28	3/4	3,315.93	3/4	2,987.04	3/4	2,655.62	3/4	2,324.18	3/4	1,992.69

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 36'-10" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "KIRBY 28044"

## 1 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 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	1,985.79	0	1,654.30	0	1,322.82	0	991.62	0	674.84	0	381.14	0	111.03	0		0			
1/4	1,978.88	1/4	1,647.40	1/4	1,315.92	1/4	984.77	1/4	668.47	1/4	375.26	1/4	105.64	1/4		1/4			
1/2	1,971.98	1/2	1,640.49	1/2	1,309.01	1/2	977.94	1/2	662.13	1/2	369.41	1/2	100.29	1/2		1/2			
3/4	1,965.07	3/4	1,633.59	3/4	1,302.10	3/4	971.12	3/4	655.80	3/4	363.57	3/4	94.94	3/4		3/4			
1	1,958.16	1	1,626.68	1	1,295.20	1	964.29	1	649.46	1	357.73	1	89.59	1		1			
1/4	1,951.26	1/4	1,619.77	1/4	1,288.29	1/4	957.47	1/4	643.13	1/4	351.88	1/4	84.24	1/4		1/4			
1/2	1,944.35	1/2	1,612.87	1/2	1,281.39	1/2	950.70	1/2	636.84	1/2	346.08	1/2	78.94	1/2		1/2			
3/4	1,937.45	3/4	1,605.96	3/4	1,274.48	3/4	943.93	3/4	630.54	3/4	340.28	3/4	73.63	3/4		3/4			
2	1,930.54	2	1,599.06	2	1,267.57	2	937.16	2	624.25	2	334.48	2	68.33	2		2			
1/4	1,923.63	1/4	1,592.15	1/4	1,260.67	1/4	930.40	1/4	617.96	1/4	328.68	1/4	63.02	1/4		1/4			
1/2	1,916.73	1/2	1,585.25	1/2	1,253.76	1/2	923.67	1/2	611.71	1/2	322.92	1/2	57.75	1/2		1/2			
3/4	1,909.82	3/4	1,578.34	3/4	1,246.86	3/4	916.94	3/4	605.46	3/4	317.16	3/4	52.49	3/4		3/4			
3	1,902.92	3	1,571.43	3	1,239.95	3	910.21	3	599.20	3	311.40	3	47.22	3		3			
1/4	1,896.01	1/4	1,564.53	1/4	1,233.04	1/4	903.48	1/4	592.95	1/4	305.64	1/4	41.95	1/4		1/4			
1/2	1,889.10	1/2	1,557.62	1/2	1,226.14	1/2	896.80	1/2	586.74	1/2	299.92	1/2	37.59	1/2		1/2			
3/4	1,882.20	3/4	1,550.72	3/4	1,219.23	3/4	890.11	3/4	580.53	3/4	294.20	3/4	33.23	3/4		3/4			
4	1,875.29	4	1,543.81	4	1,212.33	4	883.42	4	574.32	4	288.48	4	28.87	4		4			
1/4	1,868.39	1/4	1,536.90	1/4	1,205.42	1/4	876.74	1/4	568.11	1/4	282.77	1/4	24.51	1/4		1/4			
1/2	1,861.48	1/2	1,530.00	1/2	1,198.51	1/2	870.09	1/2	561.94	1/2	277.09	1/2	21.92	1/2		1/2			
3/4	1,854.58	3/4	1,523.09	3/4	1,191.61	3/4	863.44	3/4	555.77	3/4	271.41	3/4	19.32	3/4		3/4			
5	1,847.67	5	1,516.19	5	1,184.70	5	856.80	5	549.60	5	265.73	5	16.73	5		5			
1/4	1,840.76	1/4	1,509.28	1/4	1,177.80	1/4	850.15	1/4	543.43	1/4	260.05	1/4	14.13	1/4		1/4			
1/2	1,833.86	1/2	1,502.37	1/2	1,170.89	1/2	843.55	1/2	537.30	1/2	254.41	1/2		1/2		1/2			
3/4	1,826.95	3/4	1,495.47	3/4	1,163.99	3/4	836.94	3/4	531.17	3/4	248.77	3/4		3/4		3/4			
6	1,820.05	6	1,488.56	6	1,157.08	6	830.34	6	525.04	6	243.14	6		6		6			
1/4	1,813.14	1/4	1,481.66	1/4	1,150.17	1/4	823.73	1/4	518.91	1/4	237.50	1/4		1/4		1/4			
1/2	1,806.23	1/2	1,474.75	1/2	1,143.27	1/2	817.17	1/2	512.82	1/2	231.90	1/2		1/2		1/2			
3/4	1,799.33	3/4	1,467.85	3/4	1,136.36	3/4	810.61	3/4	506.73	3/4	226.31	3/4		3/4		3/4			
7	1,792.42	7	1,460.94	7	1,129.46	7	804.04	7	500.65	7	220.71	7		7		7			
1/4	1,785.52	1/4	1,454.03	1/4	1,122.55	1/4	797.48	1/4	494.56	1/4	215.11	1/4		1/4		1/4			
1/2	1,778.61	1/2	1,447.13	1/2	1,115.64	1/2	790.95	1/2	488.51	1/2	209.56	1/2		1/2		1/2			
3/4	1,771.70	3/4	1,440.22	3/4	1,108.74	3/4	784.43	3/4	482.46	3/4	204.00	3/4		3/4		3/4			
8	1,764.80	8	1,433.32	8	1,101.83	8	777.91	8	476.42	8	198.45	8		8		8			
1/4	1,757.89	1/4	1,426.41	1/4	1,094.93	1/4	771.39	1/4	470.37	1/4	192.89	1/4		1/4		1/4			
1/2	1,750.99	1/2	1,419.50	1/2	1,088.02	1/2	764.90	1/2	464.37	1/2	187.38	1/2		1/2		1/2			
3/4	1,744.08	3/4	1,412.60	3/4	1,081.12	3/4	758.42	3/4	458.36	3/4	181.86	3/4		3/4		3/4			
9	1,737.18	9	1,405.69	9	1,074.21	9	751.94	9	452.35	9	176.34	9		9		9			
1/4	1,730.27	1/4	1,398.79	1/4	1,067.31	1/4	745.46	1/4	446.34	1/4	170.83	1/4		1/4		1/4			
1/2	1,723.36	1/2	1,391.88	1/2	1,060.41	1/2	739.00	1/2	440.38	1/2	165.36	1/2		1/2		1/2			
3/4	1,716.46	3/4	1,384.97	3/4	1,053.51	3/4	732.54	3/4	434.42	3/4	159.88	3/4		3/4		3/4			
10	1,709.55	10	1,378.07	10	1,046.62	10	726.09	10	428.45	10	154.41	10		10		10			
1/4	1,702.65	1/4	1,371.16	1/4	1,039.72	1/4	719.63	1/4	422.49	1/4	148.94	1/4		1/4		1/4			
1/2	1,695.74	1/2	1,364.26	1/2	1,032.84	1/2	713.21	1/2	416.56	1/2	143.50	1/2		1/2		1/2			
3/4	1,688.83	3/4	1,357.35	3/4	1,025.96	3/4	706.80	3/4	410.64	3/4	138.07	3/4		3/4		3/4			
11	1,681.93	11	1,350.44	11	1,019.08	11	700.38	11	404.71	11	132.63	11		11		11			
1/4	1,675.02	1/4	1,343.54	1/4	1,012.20	1/4	693.96	1/4	398.79	1/4	127.20	1/4		1/4		1/4			
1/2	1,668.12	1/2	1,336.63	1/2	1,005.34	1/2	687.59	1/2	392.90	1/2	121.81	1/2		1/2		1/2			
3/4	1,661.21	3/4	1,329.73	3/4	998.48	3/4	681.22	3/4	387.02	3/4	116.42	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/05/2006 CL - SW  
CALCULATED: 04/05/2006 CL  
PRINTED: 04/05/2006 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2006

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "KIRBY 28044"

## 1 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 1/4"

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	4,213.54	0	3,925.19	0	3,622.63	0	3,306.12	0	2,977.19	0	2,645.90	0	2,314.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,207.65	1/4	3,919.06	1/4	3,616.18	1/4	3,299.39	1/4	2,970.29	1/4	2,639.00	1/4	2,307.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,201.74	1/2	3,912.90	1/2	3,609.71	1/2	3,292.64	1/2	2,963.39	1/2	2,632.10	1/2	2,300.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,195.83	3/4	3,906.75	3/4	3,603.24	3/4	3,285.88	3/4	2,956.49	3/4	2,625.20	3/4	2,293.88
1		1		1		1	4,189.92	1	3,900.60	1	3,596.77	1	3,279.13	1	2,949.59	1	2,618.29	1	2,286.97
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,184.01	1/4	3,894.44	1/4	3,590.29	1/4	3,272.38	1/4	2,942.68	1/4	2,611.39	1/4	2,280.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,178.08	1/2	3,888.26	1/2	3,583.80	1/2	3,265.60	1/2	2,935.78	1/2	2,604.49	1/2	2,273.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,172.15	3/4	3,882.08	3/4	3,577.31	3/4	3,258.82	3/4	2,928.88	3/4	2,597.59	3/4	2,266.26
2		2		2		2	4,166.22	2	3,875.90	2	3,570.81	2	3,252.04	2	2,921.98	2	2,590.69	2	2,259.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,160.29	1/4	3,869.72	1/4	3,564.32	1/4	3,245.25	1/4	2,915.08	1/4	2,583.78	1/4	2,252.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,154.33	1/2	3,863.52	1/2	3,557.81	1/2	3,238.46	1/2	2,908.17	1/2	2,576.88	1/2	2,245.55
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,148.37	3/4	3,857.32	3/4	3,551.29	3/4	3,231.66	3/4	2,901.27	3/4	2,569.98	3/4	2,238.65
3		3		3		3	4,142.42	3	3,851.12	3	3,544.78	3	3,224.86	3	2,894.37	3	2,563.08	3	2,231.75
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,136.46	1/4	3,844.91	1/4	3,538.26	1/4	3,218.06	1/4	2,887.47	1/4	2,556.18	1/4	2,224.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,130.51	1/2	3,838.66	1/2	3,531.72	1/2	3,211.24	1/2	2,880.57	1/2	2,549.28	1/2	2,217.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,124.57	3/4	3,832.40	3/4	3,525.18	3/4	3,204.41	3/4	2,873.66	3/4	2,542.37	3/4	2,211.04
4		4		4		4	4,118.62	4	3,826.14	4	3,518.64	4	3,197.59	4	2,866.76	4	2,535.47	4	2,204.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,112.68	1/4	3,819.89	1/4	3,512.09	1/4	3,190.77	1/4	2,859.86	1/4	2,528.57	1/4	2,197.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,106.71	1/2	3,813.60	1/2	3,505.53	1/2	3,183.92	1/2	2,852.96	1/2	2,521.67	1/2	2,190.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,100.75	3/4	3,807.32	3/4	3,498.97	3/4	3,177.07	3/4	2,846.06	3/4	2,514.77	3/4	2,183.42
5		5		5		5	4,094.78	5	3,801.03	5	3,492.40	5	3,170.22	5	2,839.15	5	2,507.86	5	2,176.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,088.81	1/4	3,794.75	1/4	3,485.84	1/4	3,163.37	1/4	2,832.25	1/4	2,500.96	1/4	2,169.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,082.82	1/2	3,788.44	1/2	3,479.25	1/2	3,156.50	1/2	2,825.35	1/2	2,494.06	1/2	2,162.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,076.83	3/4	3,782.14	3/4	3,472.65	3/4	3,149.63	3/4	2,818.45	3/4	2,487.16	3/4	2,155.81
6		6		6		6	4,070.83	6	3,775.83	6	3,466.06	6	3,142.76	6	2,811.55	6	2,480.26	6	2,148.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,064.84	1/4	3,769.53	1/4	3,459.47	1/4	3,135.89	1/4	2,804.65	1/4	2,473.35	1/4	2,142.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,058.83	1/2	3,763.19	1/2	3,452.86	1/2	3,129.00	1/2	2,797.74	1/2	2,466.45	1/2	2,135.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,352.01	3/4	4,052.81	3/4	3,756.86	3/4	3,446.25	3/4	3,122.11	3/4	2,790.84	3/4	2,459.55
7		7		7		7	4,346.83	7	4,046.80	7	3,750.52	7	3,439.64	7	3,115.22	7	2,783.94	7	2,452.65
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,341.65	1/4	4,040.78	1/4	3,744.19	1/4	3,433.02	1/4	3,108.33	1/4	2,777.04	1/4	2,445.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,334.75	1/2	4,034.74	1/2	3,737.84	1/2	3,426.39	1/2	3,101.43	1/2	2,770.14	1/2	2,438.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,327.85	3/4	4,028.70	3/4	3,731.48	3/4	3,419.76	3/4	3,094.53	3/4	2,763.23	3/4	2,431.94
8		8		8		8	4,320.95	8	4,022.65	8	3,725.13	8	3,413.12	8	3,087.62	8	2,756.33	8	2,425.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,314.04	1/4	4,016.61	1/4	3,718.77	1/4	3,406.49	1/4	3,080.72	1/4	2,749.43	1/4	2,418.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,307.14	1/2	4,010.55	1/2	3,712.40	1/2	3,399.83	1/2	3,073.82	1/2	2,742.53	1/2	2,411.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,300.24	3/4	4,004.49	3/4	3,706.02	3/4	3,393.17	3/4	3,066.92	3/4	2,735.63	3/4	2,404.33
9		9		9		9	4,293.33	9	3,998.43	9	3,699.65	9	3,386.51	9	3,060.02	9	2,728.72	9	2,397.42
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,286.43	1/4	3,992.36	1/4	3,693.27	1/4	3,379.85	1/4	3,053.11	1/4	2,721.82	1/4	2,390.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,279.53	1/2	3,986.28	1/2	3,686.87	1/2	3,373.16	1/2	3,046.21	1/2	2,714.92	1/2	2,383.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,272.62	3/4	3,980.20	3/4	3,680.47	3/4	3,366.48	3/4	3,039.31	3/4	2,708.02	3/4	2,376.71
10		10		10		10	4,265.72	10	3,974.11	10	3,674.06	10	3,359.80	10	3,032.41	10	2,701.12	10	2,369.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,258.82	1/4	3,968.03	1/4	3,667.66	1/4	3,353.12	1/4	3,025.51	1/4	2,694.21	1/4	2,362.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,251.91	1/2	3,961.92	1/2	3,661.24	1/2	3,346.42	1/2	3,018.60	1/2	2,687.31	1/2	2,356.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,245.01	3/4	3,955.81	3/4	3,654.81	3/4	3,339.71	3/4	3,011.70	3/4	2,680.41	3/4	2,349.10
11		11		11		11	4,238.11	11	3,949.69	11	3,648.39	11	3,333.01	11	3,004.80	11	2,673.51	11	2,342.20
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,231.20	1/4	3,943.58	1/4	3,641.96	1/4	3,326.31	1/4	2,997.90	1/4	2,666.61	1/4	2,335.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,225.32	1/2	3,937.45	1/2	3,635.52	1/2	3,319.58	1/2	2,991.00	1/2	2,659.71	1/2	2,328.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,219.43	3/4	3,931.32	3/4	3,629.07	3/4	3,312.85	3/4	2,984.09	3/4	2,652.80	3/4	2,321.49

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 36'-10" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT & ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "KIRBY 28044"

## 1 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 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	1,983.23	0	1,651.88	0	1,320.52	0	989.55	0	674.56	0	380.98	0	110.99	0		0			
1/4	1,976.33	1/4	1,644.98	1/4	1,313.62	1/4	982.72	1/4	668.19	1/4	375.10	1/4	105.60	1/4		1/4			
1/2	1,969.43	1/2	1,638.07	1/2	1,306.72	1/2	975.94	1/2	661.86	1/2	369.26	1/2	100.25	1/2		1/2			
3/4	1,962.52	3/4	1,631.17	3/4	1,299.82	3/4	969.15	3/4	655.53	3/4	363.42	3/4	94.90	3/4		3/4			
1	1,955.62	1	1,624.27	1	1,292.91	1	962.36	1	649.20	1	357.58	1	89.55	1		1			
1/4	1,948.72	1/4	1,617.36	1/4	1,286.01	1/4	955.58	1/4	642.86	1/4	351.74	1/4	84.21	1/4		1/4			
1/2	1,941.81	1/2	1,610.46	1/2	1,279.11	1/2	948.85	1/2	636.57	1/2	345.94	1/2	78.90	1/2		1/2			
3/4	1,934.91	3/4	1,603.56	3/4	1,272.20	3/4	942.13	3/4	630.28	3/4	340.14	3/4	73.60	3/4		3/4			
2	1,928.01	2	1,596.65	2	1,265.30	2	935.40	2	624.00	2	334.35	2	68.30	2		2			
1/4	1,921.10	1/4	1,589.75	1/4	1,258.40	1/4	928.67	1/4	617.71	1/4	328.55	1/4	62.99	1/4		1/4			
1/2	1,914.20	1/2	1,582.85	1/2	1,251.49	1/2	921.98	1/2	611.46	1/2	322.79	1/2	57.73	1/2		1/2			
3/4	1,907.30	3/4	1,575.94	3/4	1,244.59	3/4	915.30	3/4	605.21	3/4	317.03	3/4	52.46	3/4		3/4			
3	1,900.39	3	1,569.04	3	1,237.69	3	908.61	3	598.96	3	311.27	3	47.20	3		3			
1/4	1,893.49	1/4	1,562.14	1/4	1,230.78	1/4	901.92	1/4	592.71	1/4	305.51	1/4	41.93	1/4		1/4			
1/2	1,886.59	1/2	1,555.23	1/2	1,223.88	1/2	895.28	1/2	586.50	1/2	299.80	1/2	37.57	1/2		1/2			
3/4	1,879.68	3/4	1,548.33	3/4	1,216.98	3/4	888.63	3/4	580.29	3/4	294.08	3/4	33.22	3/4		3/4			
4	1,872.78	4	1,541.43	4	1,210.07	4	881.99	4	574.08	4	288.36	4	28.86	4		4			
1/4	1,865.88	1/4	1,534.52	1/4	1,203.17	1/4	875.34	1/4	567.87	1/4	282.65	1/4	24.50	1/4		1/4			
1/2	1,858.97	1/2	1,527.62	1/2	1,196.27	1/2	868.74	1/2	561.71	1/2	276.97	1/2	21.91	1/2		1/2			
3/4	1,852.07	3/4	1,520.72	3/4	1,189.36	3/4	862.13	3/4	555.54	3/4	271.29	3/4	19.32	3/4		3/4			
5	1,845.17	5	1,513.81	5	1,182.46	5	855.53	5	549.37	5	265.62	5	16.72	5		5			
1/4	1,838.26	1/4	1,506.91	1/4	1,175.56	1/4	848.92	1/4	543.20	1/4	259.94	1/4	14.13	1/4		1/4			
1/2	1,831.36	1/2	1,500.01	1/2	1,168.65	1/2	842.36	1/2	537.08	1/2	254.30	1/2		1/2		1/2			
3/4	1,824.46	3/4	1,493.10	3/4	1,161.75	3/4	835.80	3/4	530.95	3/4	248.67	3/4		3/4		3/4			
6	1,817.56	6	1,486.20	6	1,154.85	6	829.24	6	524.82	6	243.04	6		6		6			
1/4	1,810.65	1/4	1,479.30	1/4	1,147.94	1/4	822.67	1/4	518.70	1/4	237.40	1/4		1/4		1/4			
1/2	1,803.75	1/2	1,472.40	1/2	1,141.04	1/2	816.15	1/2	512.61	1/2	231.81	1/2		1/2		1/2			
3/4	1,796.85	3/4	1,465.49	3/4	1,134.14	3/4	809.63	3/4	506.53	3/4	226.21	3/4		3/4		3/4			
7	1,789.94	7	1,458.59	7	1,127.24	7	803.10	7	500.44	7	220.62	7		7		7			
1/4	1,783.04	1/4	1,451.69	1/4	1,120.33	1/4	796.58	1/4	494.35	1/4	215.02	1/4		1/4		1/4			
1/2	1,776.14	1/2	1,444.78	1/2	1,113.43	1/2	790.10	1/2	488.31	1/2	209.47	1/2		1/2		1/2			
3/4	1,769.23	3/4	1,437.88	3/4	1,106.53	3/4	783.62	3/4	482.27	3/4	203.92	3/4		3/4		3/4			
8	1,762.33	8	1,430.98	8	1,099.62	8	777.13	8	476.22	8	198.37	8		8		8			
1/4	1,755.43	1/4	1,424.07	1/4	1,092.72	1/4	770.65	1/4	470.18	1/4	192.81	1/4		1/4		1/4			
1/2	1,748.52	1/2	1,417.17	1/2	1,085.82	1/2	764.21	1/2	464.17	1/2	187.30	1/2		1/2		1/2			
3/4	1,741.62	3/4	1,410.27	3/4	1,078.92	3/4	757.77	3/4	458.17	3/4	181.79	3/4		3/4		3/4			
9	1,734.72	9	1,403.36	9	1,072.01	9	751.33	9	452.16	9	176.27	9		9		9			
1/4	1,727.81	1/4	1,396.46	1/4	1,065.11	1/4	744.89	1/4	446.16	1/4	170.76	1/4		1/4		1/4			
1/2	1,720.91	1/2	1,389.56	1/2	1,058.22	1/2	738.47	1/2	440.20	1/2	165.29	1/2		1/2		1/2			
3/4	1,714.01	3/4	1,382.65	3/4	1,051.32	3/4	732.05	3/4	434.24	3/4	159.82	3/4		3/4		3/4			
10	1,707.10	10	1,375.75	10	1,044.43	10	725.63	10	428.27	10	154.35	10		10		10			
1/4	1,700.20	1/4	1,368.85	1/4	1,037.53	1/4	719.22	1/4	422.31	1/4	148.88	1/4		1/4		1/4			
1/2	1,693.30	1/2	1,361.94	1/2	1,030.66	1/2	712.83	1/2	416.39	1/2	143.45	1/2		1/2		1/2			
3/4	1,686.39	3/4	1,355.04	3/4	1,023.78	3/4	706.45	3/4	410.47	3/4	138.01	3/4		3/4		3/4			
11	1,679.49	11	1,348.14	11	1,016.90	11	700.06	11	404.54	11	132.58	11		11		11			
1/4	1,672.59	1/4	1,341.23	1/4	1,010.02	1/4	693.68	1/4	398.62	1/4	127.14	1/4		1/4		1/4			
1/2	1,665.68	1/2	1,334.33	1/2	1,003.20	1/2	687.31	1/2	392.74	1/2	121.76	1/2		1/2		1/2			
3/4	1,658.78	3/4	1,327.43	3/4	996.37	3/4	680.94	3/4	386.86	3/4	116.37	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/05/2006 CL - SW  
CALCULATED: 04/05/2006 CL  
PRINTED: 04/05/2006 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2006

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "KIRBY 28044"

## 2 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 1/4"

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	5,107.03	0	4,770.43	0	4,416.54	0	4,045.90	0	3,660.72	0	3,272.76	0	2,884.75
1/4		1/4		1/4		1/4	5,100.13	1/4	4,763.29	1/4	4,408.99	1/4	4,038.02	1/4	3,652.64	1/4	3,264.68	1/4	2,876.67
1/2		1/2		1/2		1/2	5,093.21	1/2	4,756.11	1/2	4,401.41	1/2	4,030.11	1/2	3,644.55	1/2	3,256.59	1/2	2,868.58
3/4		3/4		3/4		3/4	5,086.29	3/4	4,748.94	3/4	4,393.83	3/4	4,022.21	3/4	3,636.47	3/4	3,248.51	3/4	2,860.50
1		1		1		1	5,079.37	1	4,741.76	1	4,386.26	1	4,014.30	1	3,628.39	1	3,240.43	1	2,852.42
1/4		1/4		1/4		1/4	5,072.45	1/4	4,734.59	1/4	4,378.68	1/4	4,006.39	1/4	3,620.31	1/4	3,232.35	1/4	2,844.33
1/2		1/2		1/2		1/2	5,065.51	1/2	4,727.38	1/2	4,371.07	1/2	3,998.45	1/2	3,612.22	1/2	3,224.26	1/2	2,836.25
3/4		3/4		3/4		3/4	5,058.56	3/4	4,720.18	3/4	4,363.47	3/4	3,990.51	3/4	3,604.14	3/4	3,216.18	3/4	2,828.16
2		2		2		2	5,051.61	2	4,712.97	2	4,355.86	2	3,982.57	2	3,596.06	2	3,208.10	2	2,820.08
1/4		1/4		1/4		1/4	5,044.67	1/4	4,705.76	1/4	4,348.26	1/4	3,974.63	1/4	3,587.98	1/4	3,200.02	1/4	2,811.99
1/2		1/2		1/2		1/2	5,037.69	1/2	4,698.53	1/2	4,340.63	1/2	3,966.67	1/2	3,579.89	1/2	3,191.93	1/2	2,803.91
3/4		3/4		3/4		3/4	5,030.71	3/4	4,691.30	3/4	4,333.00	3/4	3,958.70	3/4	3,571.81	3/4	3,183.85	3/4	2,795.82
3		3		3		3	5,023.74	3	4,684.07	3	4,325.37	3	3,950.74	3	3,563.73	3	3,175.77	3	2,787.74
1/4		1/4		1/4		1/4	5,016.76	1/4	4,676.84	1/4	4,317.74	1/4	3,942.78	1/4	3,555.65	1/4	3,167.69	1/4	2,779.65
1/2		1/2		1/2		1/2	5,009.83	1/2	4,669.51	1/2	4,310.08	1/2	3,934.79	1/2	3,547.56	1/2	3,159.60	1/2	2,771.57
3/4		3/4		3/4		3/4	5,002.90	3/4	4,662.19	3/4	4,302.42	3/4	3,926.80	3/4	3,539.48	3/4	3,151.52	3/4	2,763.48
4		4		4		4	4,995.96	4	4,654.86	4	4,294.76	4	3,918.81	4	3,531.40	4	3,143.44	4	2,755.40
1/4		1/4		1/4		1/4	4,989.03	1/4	4,647.53	1/4	4,287.10	1/4	3,910.83	1/4	3,523.32	1/4	3,135.36	1/4	2,747.31
1/2		1/2		1/2		1/2	4,982.08	1/2	4,640.17	1/2	4,279.42	1/2	3,902.80	1/2	3,515.23	1/2	3,127.27	1/2	2,739.23
3/4		3/4		3/4		3/4	4,975.12	3/4	4,632.81	3/4	4,271.73	3/4	3,894.78	3/4	3,507.15	3/4	3,119.19	3/4	2,731.14
5		5		5		5	4,968.16	5	4,625.46	5	4,264.04	5	3,886.76	5	3,499.07	5	3,111.11	5	2,723.06
1/4		1/4		1/4		1/4	4,961.21	1/4	4,618.10	1/4	4,256.36	1/4	3,878.74	1/4	3,490.99	1/4	3,103.03	1/4	2,714.97
1/2		1/2		1/2		1/2	4,954.22	1/2	4,610.71	1/2	4,248.64	1/2	3,870.69	1/2	3,482.90	1/2	3,094.94	1/2	2,706.89
3/4		3/4		3/4		3/4	4,947.23	3/4	4,603.33	3/4	4,240.92	3/4	3,862.65	3/4	3,474.82	3/4	3,086.86	3/4	2,698.80
6		6		6		6	4,940.24	6	4,595.95	6	4,233.20	6	3,854.61	6	3,466.74	6	3,078.78	6	2,690.72
1/4		1/4		1/4		1/4	4,933.26	1/4	4,588.56	1/4	4,225.48	1/4	3,846.56	1/4	3,458.66	1/4	3,070.70	1/4	2,682.63
1/2		1/2		1/2		1/2	4,926.24	1/2	4,581.14	1/2	4,217.74	1/2	3,838.49	1/2	3,450.57	1/2	3,062.61	1/2	2,674.55
3/4		3/4		3/4		3/4	5,269.21	3/4	4,919.23	3/4	4,573.73	3/4	4,209.99	3/4	3,830.42	3/4	3,442.49	3/4	3,054.53
7		7		7		7	5,263.14	7	4,912.22	7	4,566.31	7	4,202.25	7	3,822.35	7	3,434.41	7	3,046.45
1/4		1/4		1/4		1/4	5,257.08	1/4	4,905.20	1/4	4,558.89	1/4	4,194.51	1/4	3,814.29	1/4	3,426.33	1/4	3,038.37
1/2		1/2		1/2		1/2	5,248.99	1/2	4,898.16	1/2	4,551.45	1/2	4,186.74	1/2	3,806.20	1/2	3,418.24	1/2	3,030.28
3/4		3/4		3/4		3/4	5,240.91	3/4	4,891.11	3/4	4,544.01	3/4	4,178.97	3/4	3,798.12	3/4	3,410.16	3/4	3,022.20
8		8		8		8	5,232.83	8	4,884.07	8	4,536.57	8	4,171.21	8	3,790.04	8	3,402.08	8	3,014.11
1/4		1/4		1/4		1/4	5,224.74	1/4	4,877.02	1/4	4,529.13	1/4	4,163.44	1/4	3,781.96	1/4	3,394.00	1/4	3,006.03
1/2		1/2		1/2		1/2	5,216.66	1/2	4,869.96	1/2	4,521.66	1/2	4,155.64	1/2	3,773.87	1/2	3,385.91	1/2	2,997.94
3/4		3/4		3/4		3/4	5,208.57	3/4	4,862.89	3/4	4,514.20	3/4	4,147.84	3/4	3,765.79	3/4	3,377.83	3/4	2,989.86
9		9		9		9	5,200.49	9	4,855.82	9	4,506.73	9	4,140.04	9	3,757.71	9	3,369.75	9	2,981.77
1/4		1/4		1/4		1/4	5,192.40	1/4	4,848.75	1/4	4,499.27	1/4	4,132.24	1/4	3,749.63	1/4	3,361.67	1/4	2,973.69
1/2		1/2		1/2		1/2	5,184.32	1/2	4,841.66	1/2	4,491.77	1/2	4,124.41	1/2	3,741.54	1/2	3,353.58	1/2	2,965.60
3/4		3/4		3/4		3/4	5,176.23	3/4	4,834.57	3/4	4,484.27	3/4	4,116.59	3/4	3,733.46	3/4	3,345.50	3/4	2,957.52
10		10		10		10	5,168.15	10	4,827.48	10	4,476.77	10	4,108.76	10	3,725.38	10	3,337.42	10	2,949.43
1/4		1/4		1/4		1/4	5,160.06	1/4	4,820.38	1/4	4,469.27	1/4	4,100.94	1/4	3,717.30	1/4	3,329.34	1/4	2,941.35
1/2		1/2		1/2		1/2	5,151.98	1/2	4,813.26	1/2	4,461.75	1/2	4,093.09	1/2	3,709.21	1/2	3,321.25	1/2	2,933.26
3/4		3/4		3/4		3/4	5,143.89	3/4	4,806.13	3/4	4,454.23	3/4	4,085.24	3/4	3,701.13	3/4	3,313.17	3/4	2,925.18
11		11		11		11	5,135.81	11	4,799.01	11	4,446.70	11	4,077.39	11	3,693.05	11	3,305.09	11	2,917.09
1/4		1/4		1/4		1/4	5,127.72	1/4	4,791.88	1/4	4,439.18	1/4	4,069.54	1/4	3,684.97	1/4	3,297.01	1/4	2,909.01
1/2		1/2		1/2		1/2	5,120.83	1/2	4,784.73	1/2	4,431.64	1/2	4,061.66	1/2	3,676.88	1/2	3,288.92	1/2	2,900.92
3/4		3/4		3/4		3/4	5,113.93	3/4	4,777.58	3/4	4,424.09	3/4	4,053.78	3/4	3,668.80	3/4	3,280.84	3/4	2,892.84

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 44'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588  
<http://www.pmacorp.net>





# BARGE "KIRBY 28044"

## 2 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 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	2,496.68	0	2,108.61	0	1,720.54	0	1,332.47	0	944.40	0	557.19	0	169.53	0		0			
1/4	2,488.60	1/4	2,100.53	1/4	1,712.46	1/4	1,324.39	1/4	936.32	1/4	549.12	1/4	161.46	1/4		1/4			
1/2	2,480.51	1/2	2,092.44	1/2	1,704.37	1/2	1,316.30	1/2	928.23	1/2	541.04	1/2	153.38	1/2		1/2			
3/4	2,472.43	3/4	2,084.36	3/4	1,696.29	3/4	1,308.22	3/4	920.15	3/4	532.96	3/4	145.31	3/4		3/4			
1	2,464.34	1	2,076.27	1	1,688.20	1	1,300.13	1	912.06	1	524.89	1	137.23	1		1			
1/4	2,456.26	1/4	2,068.19	1/4	1,680.12	1/4	1,292.05	1/4	903.98	1/4	516.81	1/4	129.15	1/4		1/4			
1/2	2,448.18	1/2	2,060.10	1/2	1,672.03	1/2	1,283.96	1/2	895.91	1/2	508.73	1/2	121.08	1/2		1/2			
3/4	2,440.09	3/4	2,052.02	3/4	1,663.95	3/4	1,275.88	3/4	887.83	3/4	500.66	3/4	113.00	3/4		3/4			
2	2,432.01	2	2,043.94	2	1,655.86	2	1,267.79	2	879.76	2	492.58	2	104.92	2		2			
1/4	2,423.92	1/4	2,035.85	1/4	1,647.78	1/4	1,259.71	1/4	871.69	1/4	484.51	1/4	96.85	1/4		1/4			
1/2	2,415.84	1/2	2,027.77	1/2	1,639.70	1/2	1,251.62	1/2	863.63	1/2	476.43	1/2	88.77	1/2		1/2			
3/4	2,407.75	3/4	2,019.68	3/4	1,631.61	3/4	1,243.54	3/4	855.57	3/4	468.35	3/4	80.70	3/4		3/4			
3	2,399.67	3	2,011.60	3	1,623.53	3	1,235.46	3	847.51	3	460.28	3	72.62	3		3			
1/4	2,391.58	1/4	2,003.51	1/4	1,615.44	1/4	1,227.37	1/4	839.45	1/4	452.20	1/4	64.54	1/4		1/4			
1/2	2,383.50	1/2	1,995.43	1/2	1,607.36	1/2	1,219.29	1/2	831.39	1/2	444.12	1/2	57.48	1/2		1/2			
3/4	2,375.41	3/4	1,987.34	3/4	1,599.27	3/4	1,211.20	3/4	823.33	3/4	436.05	3/4	50.41	3/4		3/4			
4	2,367.33	4	1,979.26	4	1,591.19	4	1,203.12	4	815.26	4	427.97	4	43.34	4		4			
1/4	2,359.24	1/4	1,971.17	1/4	1,583.10	1/4	1,195.03	1/4	807.20	1/4	419.90	1/4	36.28	1/4		1/4			
1/2	2,351.16	1/2	1,963.09	1/2	1,575.02	1/2	1,186.95	1/2	799.14	1/2	411.82	1/2	31.23	1/2		1/2			
3/4	2,343.07	3/4	1,955.00	3/4	1,566.93	3/4	1,178.86	3/4	791.08	3/4	403.74	3/4	26.19	3/4		3/4			
5	2,334.99	5	1,946.92	5	1,558.85	5	1,170.78	5	783.02	5	395.67	5	21.14	5		5			
1/4	2,326.90	1/4	1,938.83	1/4	1,550.76	1/4	1,162.69	1/4	774.96	1/4	387.59	1/4	16.10	1/4		1/4			
1/2	2,318.82	1/2	1,930.75	1/2	1,542.68	1/2	1,154.61	1/2	766.90	1/2	379.51	1/2		1/2		1/2			
3/4	2,310.73	3/4	1,922.66	3/4	1,534.59	3/4	1,146.52	3/4	758.84	3/4	371.44	3/4		3/4		3/4			
6	2,302.65	6	1,914.58	6	1,526.51	6	1,138.44	6	750.78	6	363.36	6		6		6			
1/4	2,294.56	1/4	1,906.49	1/4	1,518.42	1/4	1,130.35	1/4	742.72	1/4	355.29	1/4		1/4		1/4			
1/2	2,286.48	1/2	1,898.41	1/2	1,510.34	1/2	1,122.27	1/2	734.66	1/2	347.21	1/2		1/2		1/2			
3/4	2,278.39	3/4	1,890.32	3/4	1,502.25	3/4	1,114.18	3/4	726.60	3/4	339.13	3/4		3/4		3/4			
7	2,270.31	7	1,882.24	7	1,494.17	7	1,106.10	7	718.54	7	331.06	7		7		7			
1/4	2,262.22	1/4	1,874.15	1/4	1,486.08	1/4	1,098.01	1/4	710.48	1/4	322.98	1/4		1/4		1/4			
1/2	2,254.14	1/2	1,866.07	1/2	1,478.00	1/2	1,089.93	1/2	702.42	1/2	314.91	1/2		1/2		1/2			
3/4	2,246.06	3/4	1,857.98	3/4	1,469.91	3/4	1,081.84	3/4	694.36	3/4	306.83	3/4		3/4		3/4			
8	2,237.97	8	1,849.90	8	1,461.83	8	1,073.76	8	686.30	8	298.75	8		8		8			
1/4	2,229.89	1/4	1,841.82	1/4	1,453.74	1/4	1,065.67	1/4	678.24	1/4	290.68	1/4		1/4		1/4			
1/2	2,221.80	1/2	1,833.73	1/2	1,445.66	1/2	1,057.59	1/2	670.18	1/2	282.60	1/2		1/2		1/2			
3/4	2,213.72	3/4	1,825.65	3/4	1,437.58	3/4	1,049.50	3/4	662.12	3/4	274.52	3/4		3/4		3/4			
9	2,205.63	9	1,817.56	9	1,429.49	9	1,041.42	9	654.06	9	266.45	9		9		9			
1/4	2,197.55	1/4	1,809.48	1/4	1,421.41	1/4	1,033.34	1/4	646.00	1/4	258.37	1/4		1/4		1/4			
1/2	2,189.46	1/2	1,801.39	1/2	1,413.32	1/2	1,025.25	1/2	637.93	1/2	250.30	1/2		1/2		1/2			
3/4	2,181.38	3/4	1,793.31	3/4	1,405.24	3/4	1,017.17	3/4	629.86	3/4	242.22	3/4		3/4		3/4			
10	2,173.29	10	1,785.22	10	1,397.15	10	1,009.08	10	621.79	10	234.14	10		10		10			
1/4	2,165.21	1/4	1,777.14	1/4	1,389.07	1/4	1,001.00	1/4	613.72	1/4	226.07	1/4		1/4		1/4			
1/2	2,157.12	1/2	1,769.05	1/2	1,380.98	1/2	992.91	1/2	605.65	1/2	217.99	1/2		1/2		1/2			
3/4	2,149.04	3/4	1,760.97	3/4	1,372.90	3/4	984.83	3/4	597.57	3/4	209.91	3/4		3/4		3/4			
11	2,140.95	11	1,752.88	11	1,364.81	11	976.74	11	589.50	11	201.84	11		11		11			
1/4	2,132.87	1/4	1,744.80	1/4	1,356.73	1/4	968.66	1/4	581.42	1/4	193.76	1/4		1/4		1/4			
1/2	2,124.78	1/2	1,736.71	1/2	1,348.64	1/2	960.57	1/2	573.34	1/2	185.69	1/2		1/2		1/2			
3/4	2,116.70	3/4	1,728.63	3/4	1,340.56	3/4	952.49	3/4	565.27	3/4	177.61	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/05/2006 CL - SW  
CALCULATED: 04/05/2006 CL  
PRINTED: 04/05/2006 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2006

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "KIRBY 28044"

## 2 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 1/4"

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	5,096.99	0	4,760.12	0	4,405.95	0	4,035.03	0	3,649.56	0	3,261.31	0	2,873.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,090.09	1/4	4,752.97	1/4	4,398.40	1/4	4,027.14	1/4	3,641.47	1/4	3,253.22	1/4	2,864.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,083.16	1/2	4,745.79	1/2	4,390.81	1/2	4,019.23	1/2	3,633.38	1/2	3,245.13	1/2	2,856.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,076.23	3/4	4,738.61	3/4	4,383.23	3/4	4,011.32	3/4	3,625.29	3/4	3,237.04	3/4	2,848.74
1		1		1		1	5,069.31	1	4,731.43	1	4,375.64	1	4,003.40	1	3,617.20	1	3,228.96	1	2,840.65
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,062.38	1/4	4,724.25	1/4	4,368.06	1/4	3,995.49	1/4	3,609.12	1/4	3,220.87	1/4	2,832.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,055.43	1/2	4,717.04	1/2	4,360.45	1/2	3,987.54	1/2	3,601.03	1/2	3,212.78	1/2	2,824.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,048.48	3/4	4,709.82	3/4	4,352.84	3/4	3,979.60	3/4	3,592.94	3/4	3,204.69	3/4	2,816.38
2		2		2		2	5,041.53	2	4,702.61	2	4,345.23	2	3,971.65	2	3,584.85	2	3,196.60	2	2,808.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,034.57	1/4	4,695.40	1/4	4,337.62	1/4	3,963.70	1/4	3,576.76	1/4	3,188.51	1/4	2,800.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,027.59	1/2	4,688.16	1/2	4,329.98	1/2	3,955.73	1/2	3,568.67	1/2	3,180.43	1/2	2,792.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,020.61	3/4	4,680.93	3/4	4,322.35	3/4	3,947.76	3/4	3,560.58	3/4	3,172.34	3/4	2,784.02
3		3		3		3	5,013.63	3	4,673.69	3	4,314.71	3	3,939.80	3	3,552.50	3	3,164.25	3	2,775.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,006.64	1/4	4,666.45	1/4	4,307.08	1/4	3,931.83	1/4	3,544.41	1/4	3,156.16	1/4	2,767.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,999.71	1/2	4,659.12	1/2	4,299.41	1/2	3,923.83	1/2	3,536.32	1/2	3,148.07	1/2	2,759.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,992.77	3/4	4,651.79	3/4	4,291.75	3/4	3,915.84	3/4	3,528.23	3/4	3,139.98	3/4	2,751.65
4		4		4		4	4,985.83	4	4,644.45	4	4,284.08	4	3,907.85	4	3,520.14	4	3,131.89	4	2,743.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,978.89	1/4	4,637.12	1/4	4,276.41	1/4	3,899.85	1/4	3,512.05	1/4	3,123.81	1/4	2,735.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,971.93	1/2	4,629.76	1/2	4,268.72	1/2	3,891.82	1/2	3,503.97	1/2	3,115.72	1/2	2,727.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,964.97	3/4	4,622.39	3/4	4,261.03	3/4	3,883.80	3/4	3,495.88	3/4	3,107.63	3/4	2,719.29
5		5		5		5	4,958.01	5	4,615.03	5	4,253.34	5	3,875.77	5	3,487.79	5	3,099.54	5	2,711.20
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,951.05	1/4	4,607.67	1/4	4,245.65	1/4	3,867.74	1/4	3,479.70	1/4	3,091.45	1/4	2,703.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,944.05	1/2	4,600.28	1/2	4,237.92	1/2	3,859.69	1/2	3,471.61	1/2	3,083.36	1/2	2,695.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,937.06	3/4	4,592.89	3/4	4,230.19	3/4	3,851.64	3/4	3,463.52	3/4	3,075.27	3/4	2,686.93
6		6		6		6	4,930.07	6	4,585.50	6	4,222.47	6	3,843.59	6	3,455.43	6	3,067.19	6	2,678.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,923.07	1/4	4,578.11	1/4	4,214.74	1/4	3,835.54	1/4	3,447.35	1/4	3,059.10	1/4	2,670.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,916.05	1/2	4,570.68	1/2	4,206.99	1/2	3,827.46	1/2	3,439.26	1/2	3,051.01	1/2	2,662.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,259.29	3/4	4,909.03	3/4	4,563.26	3/4	4,199.25	3/4	3,819.39	3/4	3,431.17	3/4	3,042.92
7		7		7		7	5,253.22	7	4,902.02	7	4,555.83	7	4,191.50	7	3,811.31	7	3,423.08	7	3,034.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,247.15	1/4	4,895.00	1/4	4,548.41	1/4	4,183.75	1/4	3,803.24	1/4	3,414.99	1/4	3,026.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,239.06	1/2	4,887.95	1/2	4,540.97	1/2	4,175.98	1/2	3,795.15	1/2	3,406.90	1/2	3,018.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,230.97	3/4	4,880.90	3/4	4,533.52	3/4	4,168.20	3/4	3,787.06	3/4	3,398.81	3/4	3,010.56
8		8		8		8	5,222.88	8	4,873.85	8	4,526.07	8	4,160.43	8	3,778.97	8	3,390.73	8	3,002.47
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,214.79	1/4	4,866.80	1/4	4,518.63	1/4	4,152.66	1/4	3,770.89	1/4	3,382.64	1/4	2,994.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,206.70	1/2	4,859.72	1/2	4,511.16	1/2	4,144.85	1/2	3,762.80	1/2	3,374.55	1/2	2,986.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,198.60	3/4	4,852.65	3/4	4,503.68	3/4	4,137.04	3/4	3,754.71	3/4	3,366.46	3/4	2,978.20
9		9		9		9	5,190.51	9	4,845.58	9	4,496.21	9	4,129.24	9	3,746.62	9	3,358.37	9	2,970.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,182.42	1/4	4,838.50	1/4	4,488.74	1/4	4,121.43	1/4	3,738.53	1/4	3,350.28	1/4	2,962.02
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,174.33	1/2	4,831.41	1/2	4,481.24	1/2	4,113.60	1/2	3,730.44	1/2	3,342.20	1/2	2,953.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,166.24	3/4	4,824.31	3/4	4,473.73	3/4	4,105.77	3/4	3,722.35	3/4	3,334.11	3/4	2,945.83
10		10		10		10	5,158.15	10	4,817.21	10	4,466.23	10	4,097.94	10	3,714.27	10	3,326.02	10	2,937.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,150.06	1/4	4,810.11	1/4	4,458.72	1/4	4,090.11	1/4	3,706.18	1/4	3,317.93	1/4	2,929.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,141.97	1/2	4,802.98	1/2	4,451.20	1/2	4,082.25	1/2	3,698.09	1/2	3,309.84	1/2	2,921.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,133.88	3/4	4,795.85	3/4	4,443.67	3/4	4,074.40	3/4	3,690.00	3/4	3,301.75	3/4	2,913.47
11		11		11		11	5,125.79	11	4,788.72	11	4,436.14	11	4,066.54	11	3,681.91	11	3,293.66	11	2,905.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,117.70	1/4	4,781.59	1/4	4,428.61	1/4	4,058.69	1/4	3,673.82	1/4	3,285.58	1/4	2,897.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,110.79	1/2	4,774.43	1/2	4,421.06	1/2	4,050.80	1/2	3,665.74	1/2	3,277.49	1/2	2,889.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,103.89	3/4	4,767.28	3/4	4,413.51	3/4	4,042.91	3/4	3,657.65	3/4	3,269.40	3/4	2,881.11

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 44'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT & ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588  
<http://www.pmacorp.net>







# BARGE "KIRBY 28044"

## 2 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 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	2,484.65	0	2,096.29	0	1,707.93	0	1,319.56	0	931.66	0	558.37	0	170.21	0		0		0	
1/4	2,476.56	1/4	2,088.20	1/4	1,699.84	1/4	1,311.47	1/4	923.72	1/4	550.44	1/4	162.12	1/4		1/4		1/4	
1/2	2,468.47	1/2	2,080.11	1/2	1,691.75	1/2	1,303.38	1/2	915.94	1/2	542.35	1/2	154.03	1/2		1/2		1/2	
3/4	2,460.38	3/4	2,072.02	3/4	1,683.65	3/4	1,295.29	3/4	908.16	3/4	534.26	3/4	145.94	3/4		3/4		3/4	
1	2,452.29	1	2,063.93	1	1,675.56	1	1,287.20	1	900.38	1	526.17	1	137.85	1		1		1	
1/4	2,444.20	1/4	2,055.84	1/4	1,667.47	1/4	1,279.11	1/4	892.59	1/4	518.08	1/4	129.76	1/4		1/4		1/4	
1/2	2,436.11	1/2	2,047.75	1/2	1,659.38	1/2	1,271.02	1/2	884.83	1/2	509.99	1/2	121.67	1/2		1/2		1/2	
3/4	2,428.02	3/4	2,039.65	3/4	1,651.29	3/4	1,262.93	3/4	877.06	3/4	501.90	3/4	113.58	3/4		3/4		3/4	
2	2,419.93	2	2,031.56	2	1,643.20	2	1,254.84	2	869.29	2	493.81	2	105.49	2		2		2	
1/4	2,411.84	1/4	2,023.47	1/4	1,635.11	1/4	1,246.75	1/4	861.53	1/4	485.72	1/4	97.40	1/4		1/4		1/4	
1/2	2,403.74	1/2	2,015.38	1/2	1,627.02	1/2	1,238.66	1/2	853.77	1/2	477.63	1/2	89.31	1/2		1/2		1/2	
3/4	2,395.65	3/4	2,007.29	3/4	1,618.93	3/4	1,230.56	3/4	846.01	3/4	469.54	3/4	81.22	3/4		3/4		3/4	
3	2,387.56	3	1,999.20	3	1,610.84	3	1,222.47	3	838.26	3	461.45	3	73.13	3		3		3	
1/4	2,379.47	1/4	1,991.11	1/4	1,602.75	1/4	1,214.38	1/4	830.50	1/4	453.36	1/4	65.04	1/4		1/4		1/4	
1/2	2,371.38	1/2	1,983.02	1/2	1,594.65	1/2	1,206.29	1/2	822.74	1/2	445.27	1/2	57.96	1/2		1/2		1/2	
3/4	2,363.29	3/4	1,974.93	3/4	1,586.56	3/4	1,198.20	3/4	814.99	3/4	437.18	3/4	50.88	3/4		3/4		3/4	
4	2,355.20	4	1,966.84	4	1,578.47	4	1,190.11	4	807.23	4	429.09	4	43.80	4		4		4	
1/4	2,347.11	1/4	1,958.75	1/4	1,570.38	1/4	1,182.02	1/4	799.47	1/4	421.00	1/4	36.72	1/4		1/4		1/4	
1/2	2,339.02	1/2	1,950.65	1/2	1,562.29	1/2	1,173.93	1/2	791.72	1/2	412.91	1/2	31.66	1/2		1/2		1/2	
3/4	2,330.93	3/4	1,942.56	3/4	1,554.20	3/4	1,165.84	3/4	783.96	3/4	404.82	3/4	26.60	3/4		3/4		3/4	
5	2,322.84	5	1,934.47	5	1,546.11	5	1,157.75	5	776.20	5	396.73	5	21.55	5		5		5	
1/4	2,314.74	1/4	1,926.38	1/4	1,538.02	1/4	1,149.66	1/4	768.45	1/4	388.64	1/4	16.49	1/4		1/4		1/4	
1/2	2,306.65	1/2	1,918.29	1/2	1,529.93	1/2	1,141.56	1/2	760.69	1/2	380.55	1/2		1/2		1/2		1/2	
3/4	2,298.56	3/4	1,910.20	3/4	1,521.84	3/4	1,133.47	3/4	752.93	3/4	372.46	3/4		3/4		3/4		3/4	
6	2,290.47	6	1,902.11	6	1,513.75	6	1,125.38	6	745.18	6	364.37	6		6		6		6	
1/4	2,282.38	1/4	1,894.02	1/4	1,505.65	1/4	1,117.29	1/4	737.42	1/4	356.28	1/4		1/4		1/4		1/4	
1/2	2,274.29	1/2	1,885.93	1/2	1,497.56	1/2	1,109.20	1/2	729.66	1/2	348.19	1/2		1/2		1/2		1/2	
3/4	2,266.20	3/4	1,877.84	3/4	1,489.47	3/4	1,101.11	3/4	721.91	3/4	340.10	3/4		3/4		3/4		3/4	
7	2,258.11	7	1,869.75	7	1,481.38	7	1,093.02	7	714.15	7	332.01	7		7		7		7	
1/4	2,250.02	1/4	1,861.65	1/4	1,473.29	1/4	1,084.93	1/4	706.39	1/4	323.92	1/4		1/4		1/4		1/4	
1/2	2,241.93	1/2	1,853.56	1/2	1,465.20	1/2	1,076.84	1/2	698.64	1/2	315.83	1/2		1/2		1/2		1/2	
3/4	2,233.84	3/4	1,845.47	3/4	1,457.11	3/4	1,068.75	3/4	690.88	3/4	307.74	3/4		3/4		3/4		3/4	
8	2,225.74	8	1,837.38	8	1,449.02	8	1,060.66	8	683.13	8	299.65	8		8		8		8	
1/4	2,217.65	1/4	1,829.29	1/4	1,440.93	1/4	1,052.56	1/4	675.37	1/4	291.56	1/4		1/4		1/4		1/4	
1/2	2,209.56	1/2	1,821.20	1/2	1,432.84	1/2	1,044.47	1/2	667.62	1/2	283.47	1/2		1/2		1/2		1/2	
3/4	2,201.47	3/4	1,813.11	3/4	1,424.75	3/4	1,036.38	3/4	659.86	3/4	275.38	3/4		3/4		3/4		3/4	
9	2,193.38	9	1,805.02	9	1,416.65	9	1,028.29	9	652.11	9	267.29	9		9		9		9	
1/4	2,185.29	1/4	1,796.93	1/4	1,408.56	1/4	1,020.20	1/4	644.36	1/4	259.20	1/4		1/4		1/4		1/4	
1/2	2,177.20	1/2	1,788.84	1/2	1,400.47	1/2	1,012.11	1/2	636.59	1/2	251.11	1/2		1/2		1/2		1/2	
3/4	2,169.11	3/4	1,780.75	3/4	1,392.38	3/4	1,004.02	3/4	628.83	3/4	243.02	3/4		3/4		3/4		3/4	
10	2,161.02	10	1,772.65	10	1,384.29	10	995.93	10	621.06	10	234.93	10		10		10		10	
1/4	2,152.93	1/4	1,764.56	1/4	1,376.20	1/4	987.84	1/4	613.30	1/4	226.84	1/4		1/4		1/4		1/4	
1/2	2,144.84	1/2	1,756.47	1/2	1,368.11	1/2	979.75	1/2	605.52	1/2	218.75	1/2		1/2		1/2		1/2	
3/4	2,136.74	3/4	1,748.38	3/4	1,360.02	3/4	971.66	3/4	597.74	3/4	210.66	3/4		3/4		3/4		3/4	
11	2,128.65	11	1,740.29	11	1,351.93	11	963.56	11	589.96	11	202.57	11		11		11		11	
1/4	2,120.56	1/4	1,732.20	1/4	1,343.84	1/4	955.47	1/4	582.18	1/4	194.48	1/4		1/4		1/4		1/4	
1/2	2,112.47	1/2	1,724.11	1/2	1,335.75	1/2	947.54	1/2	574.24	1/2	186.39	1/2		1/2		1/2		1/2	
3/4	2,104.38	3/4	1,716.02	3/4	1,327.65	3/4	939.60	3/4	566.31	3/4	178.30	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/05/2006 CL - SW  
CALCULATED: 04/05/2006 CL  
PRINTED: 04/05/2006 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2006

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "KIRBY 28044"

## 3 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 1/4"

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	4,506.56	0	4,250.37	0	3,981.39	0	3,699.92	0	3,405.59	0	3,050.11	0	2,688.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,501.32	1/4	4,244.92	1/4	3,975.66	1/4	3,693.93	1/4	3,399.03	1/4	3,042.58	1/4	2,681.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,496.07	1/2	4,239.45	1/2	3,969.90	1/2	3,687.93	1/2	3,392.20	1/2	3,035.05	1/2	2,673.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,490.81	3/4	4,233.99	3/4	3,964.15	3/4	3,681.92	3/4	3,385.37	3/4	3,027.52	3/4	2,666.01
1		1		1		1	4,485.56	1	4,228.52	1	3,958.39	1	3,675.92	1	3,378.53	1	3,019.99	1	2,658.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,480.30	1/4	4,223.06	1/4	3,952.64	1/4	3,669.92	1/4	3,371.70	1/4	3,012.46	1/4	2,650.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,475.03	1/2	4,217.57	1/2	3,946.86	1/2	3,663.89	1/2	3,364.58	1/2	3,004.93	1/2	2,643.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,469.75	3/4	4,212.08	3/4	3,941.09	3/4	3,657.85	3/4	3,357.47	3/4	2,997.39	3/4	2,635.88
2		2		2		2	4,464.48	2	4,206.59	2	3,935.31	2	3,651.82	2	3,350.36	2	2,989.86	2	2,628.35
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,459.20	1/4	4,201.10	1/4	3,929.54	1/4	3,645.79	1/4	3,343.25	1/4	2,982.33	1/4	2,620.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,453.90	1/2	4,195.59	1/2	3,923.74	1/2	3,639.75	1/2	3,335.85	1/2	2,974.80	1/2	2,613.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,448.61	3/4	4,190.09	3/4	3,917.95	3/4	3,633.70	3/4	3,328.46	3/4	2,967.27	3/4	2,605.75
3		3		3		3	4,443.31	3	4,184.58	3	3,912.16	3	3,627.65	3	3,321.07	3	2,959.74	3	2,598.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,438.01	1/4	4,179.07	1/4	3,906.36	1/4	3,621.61	1/4	3,313.68	1/4	2,952.21	1/4	2,590.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,432.73	1/2	4,173.50	1/2	3,900.54	1/2	3,615.54	1/2	3,306.15	1/2	2,944.68	1/2	2,583.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,427.45	3/4	4,167.94	3/4	3,894.73	3/4	3,609.47	3/4	3,298.62	3/4	2,937.15	3/4	2,575.62
4		4		4		4	4,422.17	4	4,162.38	4	3,888.91	4	3,603.41	4	3,291.09	4	2,929.62	4	2,568.09
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,416.89	1/4	4,156.81	1/4	3,883.09	1/4	3,597.34	1/4	3,283.56	1/4	2,922.09	1/4	2,560.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,411.59	1/2	4,151.22	1/2	3,877.26	1/2	3,591.25	1/2	3,276.03	1/2	2,914.56	1/2	2,553.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,406.29	3/4	4,145.63	3/4	3,871.42	3/4	3,585.16	3/4	3,268.50	3/4	2,907.03	3/4	2,545.50
5		5		5		5	4,400.99	5	4,140.05	5	3,865.58	5	3,579.06	5	3,260.97	5	2,899.50	5	2,537.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,395.69	1/4	4,134.46	1/4	3,859.75	1/4	3,572.97	1/4	3,253.44	1/4	2,891.96	1/4	2,530.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,390.37	1/2	4,128.85	1/2	3,853.88	1/2	3,566.86	1/2	3,245.91	1/2	2,884.43	1/2	2,522.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,385.05	3/4	4,123.24	3/4	3,848.02	3/4	3,560.75	3/4	3,238.38	3/4	2,876.90	3/4	2,515.37
6		6		6		6	4,379.72	6	4,117.64	6	3,842.16	6	3,554.65	6	3,230.85	6	2,869.37	6	2,507.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,374.40	1/4	4,112.03	1/4	3,836.29	1/4	3,548.54	1/4	3,223.32	1/4	2,861.84	1/4	2,500.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,369.06	1/2	4,106.40	1/2	3,830.41	1/2	3,542.41	1/2	3,215.78	1/2	2,854.31	1/2	2,492.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,629.71	3/4	4,363.72	3/4	4,100.76	3/4	3,824.54	3/4	3,536.28	3/4	3,208.25	3/4	2,846.78
7		7		7		7	4,625.10	7	4,358.37	7	4,095.13	7	3,818.66	7	3,530.15	7	3,200.72	7	2,839.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,620.50	1/4	4,353.03	1/4	4,089.49	1/4	3,812.78	1/4	3,524.02	1/4	3,193.19	1/4	2,831.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,614.36	1/2	4,347.66	1/2	4,083.84	1/2	3,806.88	1/2	3,517.89	1/2	3,185.66	1/2	2,824.19
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,608.22	3/4	4,342.30	3/4	4,078.19	3/4	3,800.98	3/4	3,511.75	3/4	3,178.13	3/4	2,816.65
8		8		8		8	4,602.08	8	4,336.93	8	4,072.54	8	3,795.08	8	3,505.61	8	3,170.60	8	2,809.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,595.94	1/4	4,331.56	1/4	4,066.89	1/4	3,789.18	1/4	3,499.47	1/4	3,163.07	1/4	2,801.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,589.80	1/2	4,326.18	1/2	4,061.22	1/2	3,783.26	1/2	3,493.33	1/2	3,155.54	1/2	2,794.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,583.66	3/4	4,320.80	3/4	4,055.55	3/4	3,777.33	3/4	3,487.20	3/4	3,148.01	3/4	2,786.53
9		9		9		9	4,577.52	9	4,315.41	9	4,049.88	9	3,771.41	9	3,481.06	9	3,140.48	9	2,778.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,571.38	1/4	4,310.03	1/4	4,044.21	1/4	3,765.48	1/4	3,474.92	1/4	3,132.95	1/4	2,771.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,565.24	1/2	4,304.63	1/2	4,038.52	1/2	3,759.54	1/2	3,468.78	1/2	3,125.42	1/2	2,763.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,559.10	3/4	4,299.22	3/4	4,032.83	3/4	3,753.60	3/4	3,462.64	3/4	3,117.89	3/4	2,756.40
10		10		10		10	4,552.97	10	4,293.82	10	4,027.13	10	3,747.66	10	3,456.51	10	3,110.35	10	2,748.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,546.83	1/4	4,288.42	1/4	4,021.44	1/4	3,741.72	1/4	3,450.37	1/4	3,102.82	1/4	2,741.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,540.69	1/2	4,282.99	1/2	4,015.72	1/2	3,735.76	1/2	3,444.09	1/2	3,095.29	1/2	2,733.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,534.55	3/4	4,277.56	3/4	4,010.01	3/4	3,729.79	3/4	3,437.81	3/4	3,087.76	3/4	2,726.27
11		11		11		11	4,528.41	11	4,272.13	11	4,004.30	11	3,723.83	11	3,431.54	11	3,080.23	11	2,718.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,522.27	1/4	4,266.70	1/4	3,998.59	1/4	3,717.87	1/4	3,425.26	1/4	3,072.70	1/4	2,711.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,517.03	1/2	4,261.26	1/2	3,992.86	1/2	3,711.89	1/2	3,418.70	1/2	3,065.17	1/2	2,703.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,511.79	3/4	4,255.81	3/4	3,987.12	3/4	3,705.90	3/4	3,412.15	3/4	3,057.64	3/4	2,696.14

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 40'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588  
<http://www.pmacorp.net>





# BARGE "KIRBY 28044"

## 3 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 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	2,327.06	0	1,965.52	0	1,603.97	0	1,242.42	0	881.65	0	520.15	0	158.62	0		0			
1/4	2,319.53	1/4	1,957.98	1/4	1,596.44	1/4	1,234.89	1/4	874.15	1/4	512.62	1/4	151.08	1/4					
1/2	2,312.00	1/2	1,950.45	1/2	1,588.91	1/2	1,227.36	1/2	866.62	1/2	505.08	1/2	143.55	1/2					
3/4	2,304.46	3/4	1,942.92	3/4	1,581.37	3/4	1,219.83	3/4	859.08	3/4	497.55	3/4	136.02	3/4					
1	2,296.93	1	1,935.39	1	1,573.84	1	1,212.30	1	851.55	1	490.02	1	128.49	1					
1/4	2,289.40	1/4	1,927.85	1/4	1,566.31	1/4	1,204.76	1/4	844.02	1/4	482.49	1/4	120.96	1/4					
1/2	2,281.87	1/2	1,920.32	1/2	1,558.78	1/2	1,197.23	1/2	836.49	1/2	474.96	1/2	113.43	1/2					
3/4	2,274.34	3/4	1,912.79	3/4	1,551.24	3/4	1,189.70	3/4	828.96	3/4	467.42	3/4	105.89	3/4					
2	2,266.80	2	1,905.26	2	1,543.71	2	1,182.17	2	821.42	2	459.89	2	98.36	2					
1/4	2,259.27	1/4	1,897.73	1/4	1,536.18	1/4	1,174.63	1/4	813.89	1/4	452.36	1/4	90.83	1/4					
1/2	2,251.74	1/2	1,890.19	1/2	1,528.65	1/2	1,167.10	1/2	806.36	1/2	444.83	1/2	83.30	1/2					
3/4	2,244.21	3/4	1,882.66	3/4	1,521.12	3/4	1,159.57	3/4	798.83	3/4	437.30	3/4	75.77	3/4					
3	2,236.68	3	1,875.13	3	1,513.58	3	1,152.04	3	791.30	3	429.76	3	68.23	3					
1/4	2,229.14	1/4	1,867.60	1/4	1,506.05	1/4	1,144.51	1/4	783.76	1/4	422.23	1/4	60.70	1/4					
1/2	2,221.61	1/2	1,860.07	1/2	1,498.52	1/2	1,136.97	1/2	776.23	1/2	414.70	1/2	54.11	1/2					
3/4	2,214.08	3/4	1,852.53	3/4	1,490.99	3/4	1,129.44	3/4	768.70	3/4	407.17	3/4	47.52	3/4					
4	2,206.55	4	1,845.00	4	1,483.46	4	1,121.91	4	761.17	4	399.64	4	40.93	4					
1/4	2,199.01	1/4	1,837.47	1/4	1,475.92	1/4	1,114.38	1/4	753.64	1/4	392.11	1/4	34.34	1/4					
1/2	2,191.48	1/2	1,829.94	1/2	1,468.39	1/2	1,106.87	1/2	746.10	1/2	384.57	1/2	29.63	1/2					
3/4	2,183.95	3/4	1,822.40	3/4	1,460.86	3/4	1,099.36	3/4	738.57	3/4	377.04	3/4	24.92	3/4					
5	2,176.42	5	1,814.87	5	1,453.33	5	1,091.86	5	731.04	5	369.51	5	20.22	5					
1/4	2,168.89	1/4	1,807.34	1/4	1,445.79	1/4	1,084.35	1/4	723.51	1/4	361.98	1/4	15.51	1/4					
1/2	2,161.35	1/2	1,799.81	1/2	1,438.26	1/2	1,076.84	1/2	715.98	1/2	354.45	1/2		1/2					
3/4	2,153.82	3/4	1,792.28	3/4	1,430.73	3/4	1,069.33	3/4	708.45	3/4	346.91	3/4		3/4					
6	2,146.29	6	1,784.74	6	1,423.20	6	1,061.83	6	700.91	6	339.38	6		6					
1/4	2,138.76	1/4	1,777.21	1/4	1,415.67	1/4	1,054.32	1/4	693.38	1/4	331.85	1/4		1/4					
1/2	2,131.22	1/2	1,769.68	1/2	1,408.13	1/2	1,046.81	1/2	685.85	1/2	324.32	1/2		1/2					
3/4	2,123.69	3/4	1,762.15	3/4	1,400.60	3/4	1,039.31	3/4	678.32	3/4	316.79	3/4		3/4					
7	2,116.16	7	1,754.61	7	1,393.07	7	1,031.80	7	670.79	7	309.25	7		7					
1/4	2,108.63	1/4	1,747.08	1/4	1,385.54	1/4	1,024.29	1/4	663.25	1/4	301.72	1/4		1/4					
1/2	2,101.10	1/2	1,739.55	1/2	1,378.00	1/2	1,016.78	1/2	655.72	1/2	294.19	1/2		1/2					
3/4	2,093.56	3/4	1,732.02	3/4	1,370.47	3/4	1,009.28	3/4	648.19	3/4	286.66	3/4		3/4					
8	2,086.03	8	1,724.49	8	1,362.94	8	1,001.77	8	640.66	8	279.13	8		8					
1/4	2,078.50	1/4	1,716.95	1/4	1,355.41	1/4	994.26	1/4	633.13	1/4	271.59	1/4		1/4					
1/2	2,070.97	1/2	1,709.42	1/2	1,347.88	1/2	986.75	1/2	625.59	1/2	264.06	1/2		1/2					
3/4	2,063.43	3/4	1,701.89	3/4	1,340.34	3/4	979.25	3/4	618.06	3/4	256.53	3/4		3/4					
9	2,055.90	9	1,694.36	9	1,332.81	9	971.74	9	610.53	9	249.00	9		9					
1/4	2,048.37	1/4	1,686.82	1/4	1,325.28	1/4	964.23	1/4	603.00	1/4	241.47	1/4		1/4					
1/2	2,040.84	1/2	1,679.29	1/2	1,317.75	1/2	956.73	1/2	595.47	1/2	233.94	1/2		1/2					
3/4	2,033.31	3/4	1,671.76	3/4	1,310.21	3/4	949.22	3/4	587.93	3/4	226.40	3/4		3/4					
10	2,025.77	10	1,664.23	10	1,302.68	10	941.71	10	580.40	10	218.87	10		10					
1/4	2,018.24	1/4	1,656.70	1/4	1,295.15	1/4	934.20	1/4	572.87	1/4	211.34	1/4		1/4					
1/2	2,010.71	1/2	1,649.16	1/2	1,287.62	1/2	926.70	1/2	565.34	1/2	203.81	1/2		1/2					
3/4	2,003.18	3/4	1,641.63	3/4	1,280.09	3/4	919.19	3/4	557.81	3/4	196.28	3/4		3/4					
11	1,995.64	11	1,634.10	11	1,272.55	11	911.68	11	550.28	11	188.74	11		11					
1/4	1,988.11	1/4	1,626.57	1/4	1,265.02	1/4	904.18	1/4	542.74	1/4	181.21	1/4		1/4					
1/2	1,980.58	1/2	1,619.03	1/2	1,257.49	1/2	896.67	1/2	535.21	1/2	173.68	1/2		1/2					
3/4	1,973.05	3/4	1,611.50	3/4	1,249.96	3/4	889.16	3/4	527.68	3/4	166.15	3/4		3/4					

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/05/2006 CL - SW  
CALCULATED: 04/05/2006 CL  
PRINTED: 04/05/2006 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2006

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "KIRBY 28044"

## 3 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 1/4"

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	4,483.21	0	4,227.06	0	3,958.13	0	3,676.69	0	3,382.41	0	3,027.47	0	2,666.70
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,477.98	1/4	4,221.62	1/4	3,952.39	1/4	3,670.71	1/4	3,375.86	1/4	3,019.95	1/4	2,659.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,472.72	1/2	4,216.15	1/2	3,946.64	1/2	3,664.71	1/2	3,369.02	1/2	3,012.44	1/2	2,651.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,467.47	3/4	4,210.69	3/4	3,940.88	3/4	3,658.70	3/4	3,362.19	3/4	3,004.92	3/4	2,644.15
1		1		1		1	4,462.21	1	4,205.22	1	3,935.13	1	3,652.70	1	3,355.35	1	2,997.41	1	2,636.63
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,456.96	1/4	4,199.76	1/4	3,929.37	1/4	3,646.70	1/4	3,348.52	1/4	2,989.89	1/4	2,629.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,451.69	1/2	4,194.27	1/2	3,923.60	1/2	3,640.67	1/2	3,341.41	1/2	2,982.38	1/2	2,621.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,446.41	3/4	4,188.78	3/4	3,917.83	3/4	3,634.64	3/4	3,334.30	3/4	2,974.86	3/4	2,614.08
2		2		2		2	4,441.14	2	4,183.29	2	3,912.05	2	3,628.61	2	3,327.19	2	2,967.34	2	2,606.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,435.87	1/4	4,177.80	1/4	3,906.28	1/4	3,622.58	1/4	3,320.07	1/4	2,959.83	1/4	2,599.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,430.57	1/2	4,172.30	1/2	3,900.49	1/2	3,616.53	1/2	3,312.68	1/2	2,952.31	1/2	2,591.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,425.27	3/4	4,166.79	3/4	3,894.69	3/4	3,610.48	3/4	3,305.29	3/4	2,944.80	3/4	2,584.01
3		3		3		3	4,419.97	3	4,161.28	3	3,888.90	3	3,604.44	3	3,297.91	3	2,937.28	3	2,576.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,414.68	1/4	4,155.77	1/4	3,883.11	1/4	3,598.39	1/4	3,290.52	1/4	2,929.77	1/4	2,568.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,409.40	1/2	4,150.21	1/2	3,877.29	1/2	3,592.33	1/2	3,283.00	1/2	2,922.25	1/2	2,561.46
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,404.12	3/4	4,144.65	3/4	3,871.47	3/4	3,586.26	3/4	3,275.48	3/4	2,914.74	3/4	2,553.94
4		4		4		4	4,398.84	4	4,139.08	4	3,865.66	4	3,580.20	4	3,267.97	4	2,907.22	4	2,546.43
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,393.56	1/4	4,133.52	1/4	3,859.84	1/4	3,574.13	1/4	3,260.45	1/4	2,899.70	1/4	2,538.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,388.26	1/2	4,127.93	1/2	3,854.01	1/2	3,568.04	1/2	3,252.94	1/2	2,892.19	1/2	2,531.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,382.96	3/4	4,122.34	3/4	3,848.17	3/4	3,561.95	3/4	3,245.42	3/4	2,884.67	3/4	2,523.88
5		5		5		5	4,377.66	5	4,116.76	5	3,842.33	5	3,555.86	5	3,237.91	5	2,877.16	5	2,516.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,372.36	1/4	4,111.17	1/4	3,836.50	1/4	3,549.77	1/4	3,230.39	1/4	2,869.64	1/4	2,508.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,367.04	1/2	4,105.56	1/2	3,830.64	1/2	3,543.66	1/2	3,222.88	1/2	2,862.13	1/2	2,501.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,361.72	3/4	4,099.96	3/4	3,824.77	3/4	3,537.55	3/4	3,215.36	3/4	2,854.61	3/4	2,493.81
6		6		6		6	4,356.40	6	4,094.35	6	3,818.91	6	3,531.44	6	3,207.84	6	2,847.10	6	2,486.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,351.08	1/4	4,088.74	1/4	3,813.05	1/4	3,525.33	1/4	3,200.33	1/4	2,839.58	1/4	2,478.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,345.74	1/2	4,083.11	1/2	3,807.17	1/2	3,519.21	1/2	3,192.81	1/2	2,832.06	1/2	2,471.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,606.35	3/4	4,340.39	3/4	4,077.48	3/4	3,801.29	3/4	3,513.08	3/4	3,185.30	3/4	2,824.55
7		7		7		7	4,335.05	7	4,071.85	7	3,795.41	7	3,506.95	7	3,177.78	7	2,817.03	7	2,456.23
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,597.14	1/4	4,329.71	1/4	4,066.21	1/4	3,789.53	1/4	3,500.82	1/4	3,170.27	1/4	2,809.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,591.00	1/2	4,324.34	1/2	4,060.56	1/2	3,783.64	1/2	3,494.69	1/2	3,162.75	1/2	2,802.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,584.86	3/4	4,318.98	3/4	4,054.91	3/4	3,777.74	3/4	3,488.55	3/4	3,155.23	3/4	2,794.48
8		8		8		8	4,578.72	8	4,313.61	8	4,049.26	8	3,771.84	8	3,482.41	8	3,147.72	8	2,786.97
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,572.58	1/4	4,308.25	1/4	4,043.61	1/4	3,765.94	1/4	3,476.28	1/4	3,140.20	1/4	2,779.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,566.44	1/2	4,302.86	1/2	4,037.95	1/2	3,760.02	1/2	3,470.14	1/2	3,132.69	1/2	2,771.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,560.31	3/4	4,297.48	3/4	4,032.28	3/4	3,754.10	3/4	3,464.00	3/4	3,125.17	3/4	2,764.42
9		9		9		9	4,554.17	9	4,292.10	9	4,026.61	9	3,748.17	9	3,457.87	9	3,117.66	9	2,756.90
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,548.03	1/4	4,286.71	1/4	4,020.94	1/4	3,742.25	1/4	3,451.73	1/4	3,110.14	1/4	2,749.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,541.89	1/2	4,281.31	1/2	4,015.25	1/2	3,736.31	1/2	3,445.59	1/2	3,102.63	1/2	2,741.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,535.75	3/4	4,275.91	3/4	4,009.55	3/4	3,730.37	3/4	3,439.45	3/4	3,095.11	3/4	2,734.35
10		10		10		10	4,529.61	10	4,270.51	10	4,003.86	10	3,724.43	10	3,433.32	10	3,087.59	10	2,726.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,523.48	1/4	4,265.10	1/4	3,998.16	1/4	3,718.49	1/4	3,427.18	1/4	3,080.08	1/4	2,719.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,517.34	1/2	4,259.68	1/2	3,992.45	1/2	3,712.53	1/2	3,420.90	1/2	3,072.56	1/2	2,711.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,511.20	3/4	4,254.25	3/4	3,986.74	3/4	3,706.57	3/4	3,414.63	3/4	3,065.05	3/4	2,704.28
11		11		11		11	4,505.06	11	4,248.82	11	3,981.03	11	3,700.61	11	3,408.35	11	3,057.53	11	2,696.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,498.92	1/4	4,243.40	1/4	3,975.32	1/4	3,694.65	1/4	3,402.07	1/4	3,050.02	1/4	2,689.25
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,493.69	1/2	4,237.95	1/2	3,969.59	1/2	3,688.66	1/2	3,395.52	1/2	3,042.50	1/2	2,681.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,488.45	3/4	4,232.51	3/4	3,963.86	3/4	3,682.68	3/4	3,388.97	3/4	3,034.99	3/4	2,674.21

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 40'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "KIRBY 28044"

## 3 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 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	2,305.97	0	1,946.37	0	1,587.43	0	1,226.58	0	872.36	0	519.15	0	158.58	0		0		0	
1/4	2,298.46	1/4	1,938.92	1/4	1,579.92	1/4	1,219.06	1/4	864.99	1/4	511.77	1/4	151.05	1/4		1/4		1/4	
1/2	2,290.94	1/2	1,931.47	1/2	1,572.40	1/2	1,211.68	1/2	857.61	1/2	504.32	1/2	143.52	1/2		1/2		1/2	
3/4	2,283.42	3/4	1,924.02	3/4	1,564.88	3/4	1,204.30	3/4	850.23	3/4	496.87	3/4	135.99	3/4		3/4		3/4	
1	2,275.90	1	1,916.57	1	1,557.36	1	1,196.92	1	842.85	1	489.42	1	128.46	1		1		1	
1/4	2,268.39	1/4	1,909.12	1/4	1,549.84	1/4	1,189.54	1/4	835.47	1/4	481.97	1/4	120.93	1/4		1/4		1/4	
1/2	2,260.87	1/2	1,901.66	1/2	1,542.33	1/2	1,182.16	1/2	828.09	1/2	474.45	1/2	113.40	1/2		1/2		1/2	
3/4	2,253.35	3/4	1,894.21	3/4	1,534.81	3/4	1,174.77	3/4	820.71	3/4	466.93	3/4	105.87	3/4		3/4		3/4	
2	2,245.83	2	1,886.76	2	1,527.29	2	1,167.39	2	813.33	2	459.41	2	98.34	2		2		2	
1/4	2,238.31	1/4	1,879.31	1/4	1,519.77	1/4	1,160.01	1/4	805.96	1/4	451.90	1/4	90.81	1/4		1/4		1/4	
1/2	2,230.80	1/2	1,871.86	1/2	1,512.26	1/2	1,152.63	1/2	798.59	1/2	444.38	1/2	83.28	1/2		1/2		1/2	
3/4	2,223.28	3/4	1,864.40	3/4	1,504.74	3/4	1,145.25	3/4	791.23	3/4	436.86	3/4	75.75	3/4		3/4		3/4	
3	2,215.76	3	1,856.95	3	1,497.22	3	1,137.87	3	783.87	3	429.34	3	68.22	3		3		3	
1/4	2,208.24	1/4	1,849.50	1/4	1,489.70	1/4	1,130.49	1/4	776.51	1/4	421.82	1/4	60.69	1/4		1/4		1/4	
1/2	2,200.73	1/2	1,842.05	1/2	1,482.18	1/2	1,123.11	1/2	769.16	1/2	414.30	1/2	54.10	1/2		1/2		1/2	
3/4	2,193.21	3/4	1,834.60	3/4	1,474.67	3/4	1,115.72	3/4	761.82	3/4	406.78	3/4	47.51	3/4		3/4		3/4	
4	2,185.69	4	1,827.15	4	1,467.15	4	1,108.34	4	754.47	4	399.26	4	40.92	4		4		4	
1/4	2,178.17	1/4	1,819.69	1/4	1,459.63	1/4	1,100.96	1/4	747.12	1/4	391.75	1/4	34.33	1/4		1/4		1/4	
1/2	2,170.65	1/2	1,812.24	1/2	1,452.11	1/2	1,093.59	1/2	739.77	1/2	384.23	1/2	29.62	1/2		1/2		1/2	
3/4	2,163.14	3/4	1,804.79	3/4	1,444.60	3/4	1,086.21	3/4	732.42	3/4	376.71	3/4	24.92	3/4		3/4		3/4	
5	2,155.62	5	1,797.34	5	1,437.08	5	1,078.84	5	725.08	5	369.19	5	20.21	5		5		5	
1/4	2,148.10	1/4	1,789.89	1/4	1,429.56	1/4	1,071.47	1/4	717.73	1/4	361.67	1/4	15.50	1/4		1/4		1/4	
1/2	2,140.58	1/2	1,782.43	1/2	1,422.04	1/2	1,064.09	1/2	710.38	1/2	354.15	1/2		1/2		1/2		1/2	
3/4	2,133.07	3/4	1,774.98	3/4	1,414.52	3/4	1,056.72	3/4	703.03	3/4	346.63	3/4		3/4		3/4		3/4	
6	2,125.55	6	1,767.53	6	1,407.01	6	1,049.34	6	695.68	6	339.12	6		6		6		6	
1/4	2,118.03	1/4	1,760.08	1/4	1,399.49	1/4	1,041.97	1/4	688.33	1/4	331.60	1/4		1/4		1/4		1/4	
1/2	2,110.51	1/2	1,752.63	1/2	1,391.97	1/2	1,034.59	1/2	680.98	1/2	324.08	1/2		1/2		1/2		1/2	
3/4	2,102.99	3/4	1,745.18	3/4	1,384.45	3/4	1,027.22	3/4	673.63	3/4	316.56	3/4		3/4		3/4		3/4	
7	2,095.48	7	1,737.72	7	1,376.94	7	1,019.85	7	666.28	7	309.04	7		7		7		7	
1/4	2,087.96	1/4	1,730.27	1/4	1,369.42	1/4	1,012.47	1/4	658.93	1/4	301.52	1/4		1/4		1/4		1/4	
1/2	2,080.51	1/2	1,722.75	1/2	1,361.90	1/2	1,005.10	1/2	651.58	1/2	294.00	1/2		1/2		1/2		1/2	
3/4	2,073.05	3/4	1,715.24	3/4	1,354.38	3/4	997.72	3/4	644.23	3/4	286.48	3/4		3/4		3/4		3/4	
8	2,065.60	8	1,707.72	8	1,346.86	8	990.35	8	636.88	8	278.97	8		8		8		8	
1/4	2,058.15	1/4	1,700.20	1/4	1,339.35	1/4	982.98	1/4	629.53	1/4	271.45	1/4		1/4		1/4		1/4	
1/2	2,050.70	1/2	1,692.68	1/2	1,331.83	1/2	975.60	1/2	622.18	1/2	263.93	1/2		1/2		1/2		1/2	
3/4	2,043.25	3/4	1,685.17	3/4	1,324.31	3/4	968.23	3/4	614.84	3/4	256.41	3/4		3/4		3/4		3/4	
9	2,035.80	9	1,677.65	9	1,316.79	9	960.85	9	607.49	9	248.89	9		9		9		9	
1/4	2,028.34	1/4	1,670.13	1/4	1,309.28	1/4	953.48	1/4	600.14	1/4	241.37	1/4		1/4		1/4		1/4	
1/2	2,020.89	1/2	1,662.61	1/2	1,301.76	1/2	946.10	1/2	592.79	1/2	233.85	1/2		1/2		1/2		1/2	
3/4	2,013.44	3/4	1,655.09	3/4	1,294.24	3/4	938.73	3/4	585.44	3/4	226.33	3/4		3/4		3/4		3/4	
10	2,005.99	10	1,647.58	10	1,286.72	10	931.36	10	578.09	10	218.82	10		10		10		10	
1/4	1,998.54	1/4	1,640.06	1/4	1,279.20	1/4	923.98	1/4	570.74	1/4	211.30	1/4		1/4		1/4		1/4	
1/2	1,991.09	1/2	1,632.54	1/2	1,271.69	1/2	916.61	1/2	563.38	1/2	203.77	1/2		1/2		1/2		1/2	
3/4	1,983.63	3/4	1,625.02	3/4	1,264.17	3/4	909.23	3/4	556.01	3/4	196.24	3/4		3/4		3/4		3/4	
11	1,976.18	11	1,617.51	11	1,256.65	11	901.86	11	548.65	11	188.71	11		11		11		11	
1/4	1,968.73	1/4	1,609.99	1/4	1,249.13	1/4	894.48	1/4	541.29	1/4	181.18	1/4		1/4		1/4		1/4	
1/2	1,961.28	1/2	1,602.47	1/2	1,241.62	1/2	887.11	1/2	533.91	1/2	173.64	1/2		1/2		1/2		1/2	
3/4	1,953.83	3/4	1,594.95	3/4	1,234.10	3/4	879.74	3/4	526.53	3/4	166.11	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/05/2006 CL - SW  
CALCULATED: 04/05/2006 CL  
PRINTED: 04/05/2006 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2006

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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