



BARGE "KIRBY 29037"

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

(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 - 00-1/2"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 1/2"

LENGTH BETWEEN DRAFT MARKS: 236'-00"

April 5, 2011

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 29037"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN			
0		0		0		0	4,304.17	0	3,972.53	0	3,640.88	0	3,309.24	0	2,977.59	0	2,645.94	0	2,314.30		
1/4		1/4		1/4		1/4	4,297.27	1/4	3,965.62	1/4	3,633.97	1/4	3,302.33	1/4	2,970.68	1/4	2,639.03	1/4	2,307.39		
1/2		1/2		1/2		1/2	4,290.36	1/2	3,958.71	1/2	3,627.06	1/2	3,295.42	1/2	2,963.77	1/2	2,632.12	1/2	2,300.48		
3/4		3/4		3/4		3/4	4,283.45	3/4	3,951.80	3/4	3,620.15	3/4	3,288.51	3/4	2,956.86	3/4	2,625.21	3/4	2,293.57		
1		1		1		1	4,276.54	1	3,944.89	1	3,613.24	1	3,281.60	1	2,949.95	1	2,618.31	1	2,286.66		
1/4		1/4		1/4		1/4	4,269.63	1/4	3,937.98	1/4	3,606.34	1/4	3,274.69	1/4	2,943.04	1/4	2,611.40	1/4	2,279.75		
1/2		1/2		1/2		1/2	4,262.72	1/2	3,931.07	1/2	3,599.43	1/2	3,267.78	1/2	2,936.13	1/2	2,604.49	1/2	2,272.84		
3/4		3/4		3/4		3/4	4,255.81	3/4	3,924.16	3/4	3,592.52	3/4	3,260.87	3/4	2,929.22	3/4	2,597.58	3/4	2,265.93		
2		2		2		2	4,248.90	2	3,917.25	2	3,585.61	2	3,253.96	2	2,922.31	2	2,590.67	2	2,259.02		
1/4		1/4		1/4		1/4	4,241.99	1/4	3,910.34	1/4	3,578.70	1/4	3,247.05	1/4	2,915.41	1/4	2,583.76	1/4	2,252.11		
1/2		1/2		1/2		1/2	4,235.08	1/2	3,903.44	1/2	3,571.79	1/2	3,240.14	1/2	2,908.50	1/2	2,576.85	1/2	2,245.20		
3/4		3/4		3/4		3/4	4,228.17	3/4	3,896.53	3/4	3,564.88	3/4	3,233.23	3/4	2,901.59	3/4	2,569.94	3/4	2,238.29		
3		3		3		3	4,221.26	3	3,889.62	3	3,557.97	3	3,226.32	3	2,894.68	3	2,563.03	3	2,231.38		
1/4		1/4		1/4		1/4	4,214.35	1/4	3,882.71	1/4	3,551.06	1/4	3,219.41	1/4	2,887.77	1/4	2,556.12	1/4	2,224.48		
1/2		1/2		1/2		1/2	4,207.44	1/2	3,875.80	1/2	3,544.15	1/2	3,212.51	1/2	2,880.86	1/2	2,549.21	1/2	2,217.57		
3/4		3/4		3/4		3/4	4,200.54	3/4	3,868.89	3/4	3,537.24	3/4	3,205.60	3/4	2,873.95	3/4	2,542.30	3/4	2,210.66		
4		4		4		4	4,193.63	4	3,861.98	4	3,530.33	4	3,198.69	4	2,867.04	4	2,535.39	4	2,203.75		
1/4		1/4		1/4		1/4	4,186.72	1/4	3,855.07	1/4	3,523.42	1/4	3,191.78	1/4	2,860.13	1/4	2,528.48	1/4	2,196.84		
1/2		1/2		1/2		1/2	4,179.81	1/2	3,848.16	1/2	3,516.51	1/2	3,184.87	1/2	2,853.22	1/2	2,521.58	1/2	2,189.93		
3/4		3/4		3/4		3/4	4,172.90	3/4	3,841.25	3/4	3,509.61	3/4	3,177.96	3/4	2,846.31	3/4	2,514.67	3/4	2,183.02		
5		5		5		5	4,165.99	5	3,834.34	5	3,502.70	5	3,171.05	5	2,839.40	5	2,507.76	5	2,176.11		
1/4		1/4		1/4		1/4	4,159.08	1/4	3,827.43	1/4	3,495.79	1/4	3,164.14	1/4	2,832.49	1/4	2,500.85	1/4	2,169.20		
1/2		1/2		1/2		1/2	4,152.17	1/2	3,820.52	1/2	3,488.88	1/2	3,157.23	1/2	2,825.58	1/2	2,493.94	1/2	2,162.29		
3/4		3/4		3/4		3/4	4,145.26	3/4	3,813.61	3/4	3,481.97	3/4	3,150.32	3/4	2,818.68	3/4	2,487.03	3/4	2,155.38		
6		6		6		6	4,138.35	6	3,806.71	6	3,475.06	6	3,143.41	6	2,811.77	6	2,480.12	6	2,148.47		
1/4		1/4		1/4		1/4	4,445.22	1/4	4,131.44	1/4	3,799.80	1/4	3,468.15	1/4	3,136.50	1/4	2,804.86	1/4	2,473.21	1/4	2,141.56
1/2		1/2		1/2		1/2	4,441.48	1/2	4,124.53	1/2	3,792.89	1/2	3,461.24	1/2	3,129.59	1/2	2,797.95	1/2	2,466.30	1/2	2,134.65
3/4		3/4		3/4		3/4	4,437.74	3/4	4,117.62	3/4	3,785.98	3/4	3,454.33	3/4	3,122.68	3/4	2,791.04	3/4	2,459.39	3/4	2,127.75
7		7		7		7	4,432.84	7	4,110.71	7	3,779.07	7	3,447.42	7	3,115.78	7	2,784.13	7	2,452.48	7	2,120.84
1/4		1/4		1/4		1/4	4,427.95	1/4	4,103.80	1/4	3,772.16	1/4	3,440.51	1/4	3,108.87	1/4	2,777.22	1/4	2,445.57	1/4	2,113.93
1/2		1/2		1/2		1/2	4,423.06	1/2	4,096.90	1/2	3,765.25	1/2	3,433.60	1/2	3,101.96	1/2	2,770.31	1/2	2,438.66	1/2	2,107.02
3/4		3/4		3/4		3/4	4,418.16	3/4	4,089.99	3/4	3,758.34	3/4	3,426.69	3/4	3,095.05	3/4	2,763.40	3/4	2,431.75	3/4	2,100.11
8		8		8		8	4,412.12	8	4,083.08	8	3,751.43	8	3,419.78	8	3,088.14	8	2,756.49	8	2,424.85	8	2,093.20
1/4		1/4		1/4		1/4	4,406.08	1/4	4,076.17	1/4	3,744.52	1/4	3,412.87	1/4	3,081.23	1/4	2,749.58	1/4	2,417.94	1/4	2,086.29
1/2		1/2		1/2		1/2	4,400.04	1/2	4,069.26	1/2	3,737.61	1/2	3,405.97	1/2	3,074.32	1/2	2,742.67	1/2	2,411.03	1/2	2,079.38
3/4		3/4		3/4		3/4	4,394.00	3/4	4,062.35	3/4	3,730.70	3/4	3,399.06	3/4	3,067.41	3/4	2,735.76	3/4	2,404.12	3/4	2,072.47
9		9		9		9	4,387.09	9	4,055.44	9	3,723.79	9	3,392.15	9	3,060.50	9	2,728.85	9	2,397.21	9	2,065.56
1/4		1/4		1/4		1/4	4,380.18	1/4	4,048.53	1/4	3,716.88	1/4	3,385.24	1/4	3,053.59	1/4	2,721.94	1/4	2,390.30	1/4	2,058.65
1/2		1/2		1/2		1/2	4,373.27	1/2	4,041.62	1/2	3,709.97	1/2	3,378.33	1/2	3,046.68	1/2	2,715.04	1/2	2,383.39	1/2	2,051.74
3/4		3/4		3/4		3/4	4,366.36	3/4	4,034.71	3/4	3,703.07	3/4	3,371.42	3/4	3,039.77	3/4	2,708.13	3/4	2,376.48	3/4	2,044.83
10		10		10		10	4,359.45	10	4,027.80	10	3,696.16	10	3,364.51	10	3,032.86	10	2,701.22	10	2,369.57	10	2,037.92
1/4		1/4		1/4		1/4	4,352.54	1/4	4,020.89	1/4	3,689.25	1/4	3,357.60	1/4	3,025.95	1/4	2,694.31	1/4	2,362.66	1/4	2,031.01
1/2		1/2		1/2		1/2	4,345.63	1/2	4,013.98	1/2	3,682.34	1/2	3,350.69	1/2	3,019.04	1/2	2,687.40	1/2	2,355.75	1/2	2,024.11
3/4		3/4		3/4		3/4	4,338.72	3/4	4,007.07	3/4	3,675.43	3/4	3,343.78	3/4	3,012.14	3/4	2,680.49	3/4	2,348.84	3/4	2,017.20
11		11		11		11	4,331.81	11	4,000.17	11	3,668.52	11	3,336.87	11	3,005.23	11	2,673.58	11	2,341.93	11	2,010.29
1/4		1/4		1/4		1/4	4,324.90	1/4	3,993.26	1/4	3,661.61	1/4	3,329.96	1/4	2,998.32	1/4	2,666.67	1/4	2,335.02	1/4	2,003.38
1/2		1/2		1/2		1/2	4,317.99	1/2	3,986.35	1/2	3,654.70	1/2	3,323.05	1/2	2,991.41	1/2	2,659.76	1/2	2,328.11	1/2	1,996.47
3/4		3/4		3/4		3/4	4,311.08	3/4	3,979.44	3/4	3,647.79	3/4	3,316.14	3/4	2,984.50	3/4	2,652.85	3/4	2,321.21	3/4	1,989.56

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'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "KIRBY 29037"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	1,982.65	0	1,651.00	0	1,319.36	0	987.72	0	667.42	0	371.59	0	100.66	0		0		0	
1/4	1,975.74	1/4	1,644.09	1/4	1,312.45	1/4	980.83	1/4	661.01	1/4	365.69	1/4	95.28	1/4	1/4	1/4		1/4	
1/2	1,968.83	1/2	1,637.18	1/2	1,305.54	1/2	973.93	1/2	654.60	1/2	359.80	1/2	89.91	1/2	1/2	1/2		1/2	
3/4	1,961.92	3/4	1,630.28	3/4	1,298.63	3/4	967.03	3/4	648.19	3/4	353.91	3/4	84.53	3/4	3/4	3/4		3/4	
1	1,955.01	1	1,623.37	1	1,291.72	1	960.16	1	641.82	1	348.06	1	79.20	1	1	1		1	
1/4	1,948.10	1/4	1,616.46	1/4	1,284.81	1/4	953.28	1/4	635.45	1/4	342.21	1/4	73.87	1/4	1/4	1/4		1/4	
1/2	1,941.19	1/2	1,609.55	1/2	1,277.90	1/2	946.41	1/2	629.08	1/2	336.36	1/2	68.54	1/2	1/2	1/2		1/2	
3/4	1,934.28	3/4	1,602.64	3/4	1,270.99	3/4	939.53	3/4	622.71	3/4	330.51	3/4	63.21	3/4	3/4	3/4		3/4	
2	1,927.38	2	1,595.73	2	1,264.08	2	932.70	2	616.39	2	324.70	2	57.92	2	2	2		2	
1/4	1,920.47	1/4	1,588.82	1/4	1,257.17	1/4	925.87	1/4	610.06	1/4	318.90	1/4	52.63	1/4	1/4	1/4		1/4	
1/2	1,913.56	1/2	1,581.91	1/2	1,250.26	1/2	919.03	1/2	603.74	1/2	313.09	1/2	47.35	1/2	1/2	1/2		1/2	
3/4	1,906.65	3/4	1,575.00	3/4	1,243.35	3/4	912.20	3/4	597.41	3/4	307.28	3/4	42.06	3/4	3/4	3/4		3/4	
3	1,899.74	3	1,568.09	3	1,236.45	3	905.41	3	591.13	3	301.52	3	37.68	3	3	3		3	
1/4	1,892.83	1/4	1,561.18	1/4	1,229.54	1/4	898.62	1/4	584.85	1/4	295.76	1/4	33.30	1/4	1/4	1/4		1/4	
1/2	1,885.92	1/2	1,554.27	1/2	1,222.63	1/2	891.83	1/2	578.56	1/2	289.99	1/2	28.92	1/2	1/2	1/2		1/2	
3/4	1,879.01	3/4	1,547.36	3/4	1,215.72	3/4	885.05	3/4	572.28	3/4	284.23	3/4	24.53	3/4	3/4	3/4		3/4	
4	1,872.10	4	1,540.45	4	1,208.81	4	878.30	4	566.04	4	278.51	4	21.92	4	4	4		4	
1/4	1,865.19	1/4	1,533.55	1/4	1,201.90	1/4	871.55	1/4	559.80	1/4	272.79	1/4	19.31	1/4	1/4	1/4		1/4	
1/2	1,858.28	1/2	1,526.64	1/2	1,194.99	1/2	864.81	1/2	553.56	1/2	267.07	1/2	16.70	1/2	1/2	1/2		1/2	
3/4	1,851.37	3/4	1,519.73	3/4	1,188.08	3/4	858.06	3/4	547.33	3/4	261.35	3/4	14.09	3/4	3/4	3/4		3/4	
5	1,844.46	5	1,512.82	5	1,181.17	5	851.36	5	541.13	5	255.67	5		5	5	5		5	
1/4	1,837.55	1/4	1,505.91	1/4	1,174.26	1/4	844.66	1/4	534.93	1/4	250.00	1/4		1/4	1/4	1/4		1/4	
1/2	1,830.65	1/2	1,499.00	1/2	1,167.35	1/2	837.96	1/2	528.74	1/2	244.32	1/2		1/2	1/2	1/2		1/2	
3/4	1,823.74	3/4	1,492.09	3/4	1,160.44	3/4	831.25	3/4	522.54	3/4	238.64	3/4		3/4	3/4	3/4		3/4	
6	1,816.83	6	1,485.18	6	1,153.53	6	824.59	6	516.39	6	233.01	6		6	6	6		6	
1/4	1,809.92	1/4	1,478.27	1/4	1,146.62	1/4	817.93	1/4	510.24	1/4	227.37	1/4		1/4	1/4	1/4		1/4	
1/2	1,803.01	1/2	1,471.36	1/2	1,139.72	1/2	811.27	1/2	504.09	1/2	221.74	1/2		1/2	1/2	1/2		1/2	
3/4	1,796.10	3/4	1,464.45	3/4	1,132.81	3/4	804.62	3/4	497.93	3/4	216.11	3/4		3/4	3/4	3/4		3/4	
7	1,789.19	7	1,457.54	7	1,125.90	7	798.00	7	491.82	7	210.52	7		7	7	7		7	
1/4	1,782.28	1/4	1,450.63	1/4	1,118.99	1/4	791.38	1/4	485.72	1/4	204.93	1/4		1/4	1/4	1/4		1/4	
1/2	1,775.37	1/2	1,443.72	1/2	1,112.08	1/2	784.77	1/2	479.61	1/2	199.34	1/2		1/2	1/2	1/2		1/2	
3/4	1,768.46	3/4	1,436.82	3/4	1,105.17	3/4	778.15	3/4	473.50	3/4	193.75	3/4		3/4	3/4	3/4		3/4	
8	1,761.55	8	1,429.91	8	1,098.26	8	771.57	8	467.43	8	188.20	8		8	8	8		8	
1/4	1,754.64	1/4	1,423.00	1/4	1,091.35	1/4	764.98	1/4	461.36	1/4	182.65	1/4		1/4	1/4	1/4		1/4	
1/2	1,747.73	1/2	1,416.09	1/2	1,084.44	1/2	758.40	1/2	455.30	1/2	177.10	1/2		1/2	1/2	1/2		1/2	
3/4	1,740.82	3/4	1,409.18	3/4	1,077.53	3/4	751.81	3/4	449.23	3/4	171.56	3/4		3/4	3/4	3/4		3/4	
9	1,733.92	9	1,402.27	9	1,070.62	9	745.27	9	443.21	9	166.05	9		9	9	9		9	
1/4	1,727.01	1/4	1,395.36	1/4	1,063.71	1/4	738.73	1/4	437.19	1/4	160.55	1/4		1/4	1/4	1/4		1/4	
1/2	1,720.10	1/2	1,388.45	1/2	1,056.80	1/2	732.19	1/2	431.17	1/2	155.05	1/2		1/2	1/2	1/2		1/2	
3/4	1,713.19	3/4	1,381.54	3/4	1,049.89	3/4	725.65	3/4	425.14	3/4	149.54	3/4		3/4	3/4	3/4		3/4	
10	1,706.28	10	1,374.63	10	1,042.99	10	719.15	10	419.16	10	144.08	10		10	10	10		10	
1/4	1,699.37	1/4	1,367.72	1/4	1,036.08	1/4	712.65	1/4	413.18	1/4	138.62	1/4		1/4	1/4	1/4		1/4	
1/2	1,692.46	1/2	1,360.81	1/2	1,029.17	1/2	706.15	1/2	407.20	1/2	133.16	1/2		1/2	1/2	1/2		1/2	
3/4	1,685.55	3/4	1,353.90	3/4	1,022.26	3/4	699.65	3/4	401.22	3/4	127.70	3/4		3/4	3/4	3/4		3/4	
11	1,678.64	11	1,346.99	11	1,015.35	11	693.20	11	395.29	11	122.28	11		11	11	11		11	
1/4	1,671.73	1/4	1,340.08	1/4	1,008.44	1/4	686.74	1/4	389.35	1/4	116.86	1/4		1/4	1/4	1/4		1/4	
1/2	1,664.82	1/2	1,333.18	1/2	1,001.53	1/2	680.29	1/2	383.42	1/2	111.45	1/2		1/2	1/2	1/2		1/2	
3/4	1,657.91	3/4	1,326.27	3/4	994.62	3/4	673.83	3/4	377.48	3/4	106.03	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/05/2011 CL - SW
CALCULATED: 04/05/2011 CL
PRINTED: 04/05/2011 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2011

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



BARGE "KIRBY 29037"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							4,305.36		3,974.01		3,642.66		3,311.32		2,979.97		2,648.62		2,317.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,298.46	1/4	3,967.11	1/4	3,635.76	1/4	3,304.41	1/4	2,973.06	1/4	2,641.71	1/4	2,310.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,291.56	1/2	3,960.21	1/2	3,628.86	1/2	3,297.51	1/2	2,966.16	1/2	2,634.81	1/2	2,303.46
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,284.65	3/4	3,953.30	3/4	3,621.95	3/4	3,290.61	3/4	2,959.26	3/4	2,627.91	3/4	2,296.56
1	1	1	1	1	1	1	4,277.75	1	3,946.40	1	3,615.05	1	3,283.70	1	2,952.35	1	2,621.01	1	2,289.66
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,270.85	1/4	3,939.50	1/4	3,608.15	1/4	3,276.80	1/4	2,945.45	1/4	2,614.10	1/4	2,282.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,263.94	1/2	3,932.59	1/2	3,601.25	1/2	3,269.90	1/2	2,938.55	1/2	2,607.20	1/2	2,275.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,257.04	3/4	3,925.69	3/4	3,594.34	3/4	3,262.99	3/4	2,931.64	3/4	2,600.30	3/4	2,268.95
2	2	2	2	2	2	2	4,250.14	2	3,918.79	2	3,587.44	2	3,256.09	2	2,924.74	2	2,593.39	2	2,262.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,243.23	1/4	3,911.89	1/4	3,580.54	1/4	3,249.19	1/4	2,917.84	1/4	2,586.49	1/4	2,255.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,236.33	1/2	3,904.98	1/2	3,573.63	1/2	3,242.28	1/2	2,910.94	1/2	2,579.59	1/2	2,248.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,229.43	3/4	3,898.08	3/4	3,566.73	3/4	3,235.38	3/4	2,904.03	3/4	2,572.68	3/4	2,241.33
3	3	3	3	3	3	3	4,222.52	3	3,891.18	3	3,559.83	3	3,228.48	3	2,897.13	3	2,565.78	3	2,234.43
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,215.62	1/4	3,884.27	1/4	3,552.92	1/4	3,221.58	1/4	2,890.23	1/4	2,558.88	1/4	2,227.53
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,208.72	1/2	3,877.37	1/2	3,546.02	1/2	3,214.67	1/2	2,883.32	1/2	2,551.97	1/2	2,220.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,201.82	3/4	3,870.47	3/4	3,539.12	3/4	3,207.77	3/4	2,876.42	3/4	2,545.07	3/4	2,213.72
4	4	4	4	4	4	4	4,194.91	4	3,863.56	4	3,532.21	4	3,200.87	4	2,869.52	4	2,538.17	4	2,206.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,188.01	1/4	3,856.66	1/4	3,525.31	1/4	3,193.96	1/4	2,862.61	1/4	2,531.27	1/4	2,199.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,181.11	1/2	3,849.76	1/2	3,518.41	1/2	3,187.06	1/2	2,855.71	1/2	2,524.36	1/2	2,193.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,174.20	3/4	3,842.85	3/4	3,511.51	3/4	3,180.16	3/4	2,848.81	3/4	2,517.46	3/4	2,186.11
5	5	5	5	5	5	5	4,167.30	5	3,835.95	5	3,504.60	5	3,173.25	5	2,841.90	5	2,510.56	5	2,179.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,160.40	1/4	3,829.05	1/4	3,497.70	1/4	3,166.35	1/4	2,835.00	1/4	2,503.65	1/4	2,172.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,153.49	1/2	3,822.14	1/2	3,490.80	1/2	3,159.45	1/2	2,828.10	1/2	2,496.75	1/2	2,165.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,146.59	3/4	3,815.24	3/4	3,483.89	3/4	3,152.54	3/4	2,821.20	3/4	2,489.85	3/4	2,158.50
6	6	6	6	6	6	6	4,139.69	6	3,808.34	6	3,476.99	6	3,145.64	6	2,814.29	6	2,482.94	6	2,151.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,132.78	1/4	3,801.44	1/4	3,470.09	1/4	3,138.74	1/4	2,807.39	1/4	2,476.04	1/4	2,144.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,439.41	1/2	4,125.88	1/2	3,794.53	1/2	3,463.18	1/2	3,131.83	1/2	2,800.49	1/2	2,469.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,435.67	3/4	4,118.98	3/4	3,787.63	3/4	3,456.28	3/4	3,124.93	3/4	2,793.58	3/4	2,462.23
7	7	7	7	7	7	7	4,431.93	7	4,112.07	7	3,780.73	7	3,449.38	7	3,118.03	7	2,786.68	7	2,455.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,427.04	1/4	4,105.17	1/4	3,773.82	1/4	3,442.47	1/4	3,111.13	1/4	2,779.78	1/4	2,448.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,422.15	1/2	4,098.27	1/2	3,766.92	1/2	3,435.57	1/2	3,104.22	1/2	2,772.87	1/2	2,441.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,417.26	3/4	4,091.37	3/4	3,760.02	3/4	3,428.67	3/4	3,097.32	3/4	2,765.97	3/4	2,434.62
8	8	8	8	8	8	8	4,412.37	8	4,084.46	8	3,753.11	8	3,421.76	8	3,090.42	8	2,759.07	8	2,427.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,406.33	1/4	4,077.56	1/4	3,746.21	1/4	3,414.86	1/4	3,083.51	1/4	2,752.16	1/4	2,420.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,400.29	1/2	4,070.66	1/2	3,739.31	1/2	3,407.96	1/2	3,076.61	1/2	2,745.26	1/2	2,413.91
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,394.24	3/4	4,063.75	3/4	3,732.40	3/4	3,401.06	3/4	3,069.71	3/4	2,738.36	3/4	2,407.01
9	9	9	9	9	9	9	4,388.20	9	4,056.85	9	3,725.50	9	3,394.15	9	3,062.80	9	2,731.45	9	2,400.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,381.30	1/4	4,049.95	1/4	3,718.60	1/4	3,387.25	1/4	3,055.90	1/4	2,724.55	1/4	2,393.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,374.39	1/2	4,043.04	1/2	3,711.70	1/2	3,380.35	1/2	3,049.00	1/2	2,717.65	1/2	2,386.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,367.49	3/4	4,036.14	3/4	3,704.79	3/4	3,373.44	3/4	3,042.09	3/4	2,710.75	3/4	2,379.40
10	10	10	10	10	10	10	4,360.59	10	4,029.24	10	3,697.89	10	3,366.54	10	3,035.19	10	2,703.84	10	2,372.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,353.68	1/4	4,022.33	1/4	3,690.99	1/4	3,359.64	1/4	3,028.29	1/4	2,696.94	1/4	2,365.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,346.78	1/2	4,015.43	1/2	3,684.08	1/2	3,352.73	1/2	3,021.39	1/2	2,690.04	1/2	2,358.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,339.88	3/4	4,008.53	3/4	3,677.18	3/4	3,345.83	3/4	3,014.48	3/4	2,683.13	3/4	2,351.78
11	11	11	11	11	11	11	4,332.97	11	4,001.63	11	3,670.28	11	3,338.93	11	3,007.58	11	2,676.23	11	2,344.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,326.07	1/4	3,994.72	1/4	3,663.37	1/4	3,332.02	1/4	3,000.68	1/4	2,669.33	1/4	2,337.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,319.17	1/2	3,987.82	1/2	3,656.47	1/2	3,325.12	1/2	2,993.77	1/2	2,662.42	1/2	2,331.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,312.26	3/4	3,980.92	3/4	3,649.57	3/4	3,318.22	3/4	2,986.87	3/4	2,655.52	3/4	2,324.17

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'-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 29037"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	1,985.92	0	1,654.57	0	1,323.22	0	992.02	0	673.19	0	377.11	0	105.92	0		0		0	
1/4	1,979.02	1/4	1,647.67	1/4	1,316.32	1/4	985.17	1/4	666.78	1/4	371.22	1/4	100.55	1/4	1/4	1/4		1/4	
1/2	1,972.11	1/2	1,640.77	1/2	1,309.42	1/2	978.31	1/2	660.37	1/2	365.33	1/2	95.19	1/2	1/2	1/2		1/2	
3/4	1,965.21	3/4	1,633.86	3/4	1,302.51	3/4	971.46	3/4	653.97	3/4	359.45	3/4	89.82	3/4	3/4	3/4		3/4	
1	1,958.31	1	1,626.96	1	1,295.61	1	964.61	1	647.56	1	353.56	1	84.45	1	1	1		1	
1/4	1,951.40	1/4	1,620.06	1/4	1,288.71	1/4	957.78	1/4	641.20	1/4	347.72	1/4	79.12	1/4	1/4	1/4		1/4	
1/2	1,944.50	1/2	1,613.15	1/2	1,281.80	1/2	950.95	1/2	634.84	1/2	341.87	1/2	73.80	1/2	1/2	1/2		1/2	
3/4	1,937.60	3/4	1,606.25	3/4	1,274.90	3/4	944.12	3/4	628.47	3/4	336.03	3/4	68.47	3/4	3/4	3/4		3/4	
2	1,930.70	2	1,599.35	2	1,268.00	2	937.28	2	622.11	2	330.18	2	63.15	2	2	2		2	
1/4	1,923.79	1/4	1,592.44	1/4	1,261.09	1/4	930.50	1/4	615.79	1/4	324.38	1/4	57.86	1/4	1/4	1/4		1/4	
1/2	1,916.89	1/2	1,585.54	1/2	1,254.19	1/2	923.71	1/2	609.47	1/2	318.58	1/2	52.58	1/2	1/2	1/2		1/2	
3/4	1,909.99	3/4	1,578.64	3/4	1,247.29	3/4	916.92	3/4	603.15	3/4	312.78	3/4	47.30	3/4	3/4	3/4		3/4	
3	1,903.08	3	1,571.73	3	1,240.39	3	910.13	3	596.83	3	306.98	3	42.02	3	3	3		3	
1/4	1,896.18	1/4	1,564.83	1/4	1,233.48	1/4	903.39	1/4	590.56	1/4	301.22	1/4	37.64	1/4	1/4	1/4		1/4	
1/2	1,889.28	1/2	1,557.93	1/2	1,226.58	1/2	896.65	1/2	584.28	1/2	295.46	1/2	33.26	1/2	1/2	1/2		1/2	
3/4	1,882.37	3/4	1,551.02	3/4	1,219.68	3/4	889.90	3/4	578.00	3/4	289.71	3/4	28.89	3/4	3/4	3/4		3/4	
4	1,875.47	4	1,544.12	4	1,212.77	4	883.16	4	571.73	4	283.95	4	24.51	4	4	4		4	
1/4	1,868.57	1/4	1,537.22	1/4	1,205.87	1/4	876.46	1/4	565.49	1/4	278.23	1/4	21.90	1/4	1/4	1/4		1/4	
1/2	1,861.66	1/2	1,530.32	1/2	1,198.97	1/2	869.75	1/2	559.26	1/2	272.52	1/2	19.30	1/2	1/2	1/2		1/2	
3/4	1,854.76	3/4	1,523.41	3/4	1,192.06	3/4	863.05	3/4	553.03	3/4	266.80	3/4	16.69	3/4	3/4	3/4		3/4	
5	1,847.86	5	1,516.51	5	1,185.16	5	856.35	5	546.79	5	261.09	5	14.08	5	5	5		5	
1/4	1,840.96	1/4	1,509.61	1/4	1,178.26	1/4	849.69	1/4	540.61	1/4	255.42	1/4		1/4	1/4	1/4		1/4	
1/2	1,834.05	1/2	1,502.70	1/2	1,171.35	1/2	843.04	1/2	534.42	1/2	249.75	1/2		1/2	1/2	1/2		1/2	
3/4	1,827.15	3/4	1,495.80	3/4	1,164.45	3/4	836.38	3/4	528.23	3/4	244.08	3/4		3/4	3/4	3/4		3/4	
6	1,820.25	6	1,488.90	6	1,157.55	6	829.72	6	522.04	6	238.40	6		6	6	6		6	
1/4	1,813.34	1/4	1,481.99	1/4	1,150.65	1/4	823.10	1/4	515.89	1/4	232.78	1/4		1/4	1/4	1/4		1/4	
1/2	1,806.44	1/2	1,475.09	1/2	1,143.74	1/2	816.49	1/2	509.74	1/2	227.15	1/2		1/2	1/2	1/2		1/2	
3/4	1,799.54	3/4	1,468.19	3/4	1,136.84	3/4	809.88	3/4	503.60	3/4	221.52	3/4		3/4	3/4	3/4		3/4	
7	1,792.63	7	1,461.28	7	1,129.94	7	803.26	7	497.45	7	215.89	7		7	7	7		7	
1/4	1,785.73	1/4	1,454.38	1/4	1,123.03	1/4	796.69	1/4	491.35	1/4	210.31	1/4		1/4	1/4	1/4		1/4	
1/2	1,778.83	1/2	1,447.48	1/2	1,116.13	1/2	790.12	1/2	485.24	1/2	204.72	1/2		1/2	1/2	1/2		1/2	
3/4	1,771.92	3/4	1,440.58	3/4	1,109.23	3/4	783.55	3/4	479.14	3/4	199.14	3/4		3/4	3/4	3/4		3/4	
8	1,765.02	8	1,433.67	8	1,102.32	8	776.97	8	473.04	8	193.55	8		8	8	8		8	
1/4	1,758.12	1/4	1,426.77	1/4	1,095.42	1/4	770.43	1/4	466.98	1/4	188.01	1/4		1/4	1/4	1/4		1/4	
1/2	1,751.21	1/2	1,419.87	1/2	1,088.52	1/2	763.89	1/2	460.91	1/2	182.47	1/2		1/2	1/2	1/2		1/2	
3/4	1,744.31	3/4	1,412.96	3/4	1,081.61	3/4	757.35	3/4	454.85	3/4	176.93	3/4		3/4	3/4	3/4		3/4	
9	1,737.41	9	1,406.06	9	1,074.71	9	750.80	9	448.79	9	171.39	9		9	9	9		9	
1/4	1,730.51	1/4	1,399.16	1/4	1,067.81	1/4	744.30	1/4	442.78	1/4	165.89	1/4		1/4	1/4	1/4		1/4	
1/2	1,723.60	1/2	1,392.25	1/2	1,060.90	1/2	737.81	1/2	436.76	1/2	160.39	1/2		1/2	1/2	1/2		1/2	
3/4	1,716.70	3/4	1,385.35	3/4	1,054.00	3/4	731.31	3/4	430.74	3/4	154.89	3/4		3/4	3/4	3/4		3/4	
10	1,709.80	10	1,378.45	10	1,047.10	10	724.81	10	424.73	10	149.39	10		10	10	10		10	
1/4	1,702.89	1/4	1,371.54	1/4	1,040.20	1/4	718.35	1/4	418.75	1/4	143.94	1/4		1/4	1/4	1/4		1/4	
1/2	1,695.99	1/2	1,364.64	1/2	1,033.29	1/2	711.89	1/2	412.78	1/2	138.48	1/2		1/2	1/2	1/2		1/2	
3/4	1,689.09	3/4	1,357.74	3/4	1,026.39	3/4	705.44	3/4	406.80	3/4	133.03	3/4		3/4	3/4	3/4		3/4	
11	1,682.18	11	1,350.83	11	1,019.49	11	698.98	11	400.83	11	127.57	11		11	11	11		11	
1/4	1,675.28	1/4	1,343.93	1/4	1,012.62	1/4	692.53	1/4	394.90	1/4	122.16	1/4		1/4	1/4	1/4		1/4	
1/2	1,668.38	1/2	1,337.03	1/2	1,005.75	1/2	686.08	1/2	388.97	1/2	116.75	1/2		1/2	1/2	1/2		1/2	
3/4	1,661.47	3/4	1,330.13	3/4	998.89	3/4	679.63	3/4	383.04	3/4	111.34	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/05/2011 CL - SW
CALCULATED: 04/05/2011 CL
PRINTED: 04/05/2011 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2011

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



BARGE "KIRBY 29037"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1		1		1		1		1		1		1		1		1		1	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2		2		2		2		2		2		2		2		2		2	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3		3		3		3		3		3		3		3		3		3	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4		4		4		4		4		4		4		4		4		4	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5		5		5		5		5		5		5		5		5		5	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6		6		6		6		6		6		6		6		6		6	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7		7		7		7		7		7		7		7		7		7	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8		8		8		8		8		8		8		8		8		8	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9		9		9		9		9		9		9		9		9		9	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10		10		10		10		10		10		10		10		10		10	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11		11		11		11		11		11		11		11		11		11	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

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 51'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 29037"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	2,481.75	0	2,093.72	0	1,705.68	0	1,317.64	0	929.61	0	541.89	0	153.87	0		0		0	
1/4	2,473.67	1/4	2,085.63	1/4	1,697.60	1/4	1,309.56	1/4	921.52	1/4	533.81	1/4	145.78	1/4	1/4		1/4		1/4
1/2	2,465.59	1/2	2,077.55	1/2	1,689.51	1/2	1,301.48	1/2	913.44	1/2	525.72	1/2	137.70	1/2	1/2		1/2		1/2
3/4	2,457.50	3/4	2,069.47	3/4	1,681.43	3/4	1,293.39	3/4	905.35	3/4	517.64	3/4	129.62	3/4	3/4		3/4		3/4
1	2,449.42	1	2,061.38	1	1,673.34	1	1,285.31	1	897.28	1	509.56	1	121.53	1	1		1		1
1/4	2,441.33	1/4	2,053.30	1/4	1,665.26	1/4	1,277.22	1/4	889.21	1/4	501.47	1/4	113.45	1/4	1/4		1/4		1/4
1/2	2,433.25	1/2	2,045.21	1/2	1,657.18	1/2	1,269.14	1/2	881.13	1/2	493.39	1/2	105.37	1/2	1/2		1/2		1/2
3/4	2,425.17	3/4	2,037.13	3/4	1,649.09	3/4	1,261.06	3/4	873.06	3/4	485.30	3/4	97.28	3/4	3/4		3/4		3/4
2	2,417.08	2	2,029.04	2	1,641.01	2	1,252.97	2	864.98	2	477.22	2	89.20	2	2		2		2
1/4	2,409.00	1/4	2,020.96	1/4	1,632.92	1/4	1,244.89	1/4	856.91	1/4	469.14	1/4	81.11	1/4	1/4		1/4		1/4
1/2	2,400.91	1/2	2,012.88	1/2	1,624.84	1/2	1,236.80	1/2	848.84	1/2	461.05	1/2	73.03	1/2	1/2		1/2		1/2
3/4	2,392.83	3/4	2,004.79	3/4	1,616.76	3/4	1,228.72	3/4	840.76	3/4	452.97	3/4	64.95	3/4	3/4		3/4		3/4
3	2,384.75	3	1,996.71	3	1,608.67	3	1,220.63	3	832.69	3	444.89	3	57.87	3	3		3		3
1/4	2,376.66	1/4	1,988.62	1/4	1,600.59	1/4	1,212.55	1/4	824.61	1/4	436.80	1/4	50.80	1/4	1/4		1/4		1/4
1/2	2,368.58	1/2	1,980.54	1/2	1,592.50	1/2	1,204.47	1/2	816.54	1/2	428.72	1/2	43.73	1/2	1/2		1/2		1/2
3/4	2,360.49	3/4	1,972.46	3/4	1,584.42	3/4	1,196.38	3/4	808.46	3/4	420.63	3/4	36.65	3/4	3/4		3/4		3/4
4	2,352.41	4	1,964.37	4	1,576.34	4	1,188.30	4	800.39	4	412.55	4	31.60	4	4		4		4
1/4	2,344.32	1/4	1,956.29	1/4	1,568.25	1/4	1,180.21	1/4	792.32	1/4	404.47	1/4	26.55	1/4	1/4		1/4		1/4
1/2	2,336.24	1/2	1,948.20	1/2	1,560.17	1/2	1,172.13	1/2	784.24	1/2	396.38	1/2	21.50	1/2	1/2		1/2		1/2
3/4	2,328.16	3/4	1,940.12	3/4	1,552.08	3/4	1,164.05	3/4	776.17	3/4	388.30	3/4	16.44	3/4	3/4		3/4		3/4
5	2,320.07	5	1,932.04	5	1,544.00	5	1,155.96	5	768.09	5	380.22	5		5	5		5		5
1/4	2,311.99	1/4	1,923.95	1/4	1,535.91	1/4	1,147.88	1/4	760.02	1/4	372.13	1/4		1/4	1/4		1/4		1/4
1/2	2,303.90	1/2	1,915.87	1/2	1,527.83	1/2	1,139.79	1/2	751.95	1/2	364.05	1/2		1/2	1/2		1/2		1/2
3/4	2,295.82	3/4	1,907.78	3/4	1,519.75	3/4	1,131.71	3/4	743.87	3/4	355.96	3/4		3/4	3/4		3/4		3/4
6	2,287.74	6	1,899.70	6	1,511.66	6	1,123.63	6	735.80	6	347.88	6		6	6		6		6
1/4	2,279.65	1/4	1,891.62	1/4	1,503.58	1/4	1,115.54	1/4	727.72	1/4	339.80	1/4		1/4	1/4		1/4		1/4
1/2	2,271.57	1/2	1,883.53	1/2	1,495.49	1/2	1,107.46	1/2	719.65	1/2	331.71	1/2		1/2	1/2		1/2		1/2
3/4	2,263.48	3/4	1,875.45	3/4	1,487.41	3/4	1,099.37	3/4	711.57	3/4	323.63	3/4		3/4	3/4		3/4		3/4
7	2,255.40	7	1,867.36	7	1,479.33	7	1,091.29	7	703.50	7	315.54	7		7	7		7		7
1/4	2,247.32	1/4	1,859.28	1/4	1,471.24	1/4	1,083.21	1/4	695.43	1/4	307.46	1/4		1/4	1/4		1/4		1/4
1/2	2,239.23	1/2	1,851.19	1/2	1,463.16	1/2	1,075.12	1/2	687.35	1/2	299.38	1/2		1/2	1/2		1/2		1/2
3/4	2,231.15	3/4	1,843.11	3/4	1,455.07	3/4	1,067.04	3/4	679.28	3/4	291.29	3/4		3/4	3/4		3/4		3/4
8	2,223.06	8	1,835.03	8	1,446.99	8	1,058.95	8	671.20	8	283.21	8		8	8		8		8
1/4	2,214.98	1/4	1,826.94	1/4	1,438.91	1/4	1,050.87	1/4	663.13	1/4	275.13	1/4		1/4	1/4		1/4		1/4
1/2	2,206.90	1/2	1,818.86	1/2	1,430.82	1/2	1,042.78	1/2	655.05	1/2	267.04	1/2		1/2	1/2		1/2		1/2
3/4	2,198.81	3/4	1,810.77	3/4	1,422.74	3/4	1,034.70	3/4	646.98	3/4	258.96	3/4		3/4	3/4		3/4		3/4
9	2,190.73	9	1,802.69	9	1,414.65	9	1,026.62	9	638.90	9	250.87	9		9	9		9		9
1/4	2,182.64	1/4	1,794.61	1/4	1,406.57	1/4	1,018.53	1/4	630.81	1/4	242.79	1/4		1/4	1/4		1/4		1/4
1/2	2,174.56	1/2	1,786.52	1/2	1,398.49	1/2	1,010.45	1/2	622.73	1/2	234.71	1/2		1/2	1/2		1/2		1/2
3/4	2,166.47	3/4	1,778.44	3/4	1,390.40	3/4	1,002.36	3/4	614.65	3/4	226.62	3/4		3/4	3/4		3/4		3/4
10	2,158.39	10	1,770.35	10	1,382.32	10	994.28	10	606.56	10	218.54	10		10	10		10		10
1/4	2,150.31	1/4	1,762.27	1/4	1,374.23	1/4	986.20	1/4	598.48	1/4	210.46	1/4		1/4	1/4		1/4		1/4
1/2	2,142.22	1/2	1,754.19	1/2	1,366.15	1/2	978.11	1/2	590.39	1/2	202.37	1/2		1/2	1/2		1/2		1/2
3/4	2,134.14	3/4	1,746.10	3/4	1,358.06	3/4	970.03	3/4	582.31	3/4	194.29	3/4		3/4	3/4		3/4		3/4
11	2,126.05	11	1,738.02	11	1,349.98	11	961.94	11	574.23	11	186.20	11		11	11		11		11
1/4	2,117.97	1/4	1,729.93	1/4	1,341.90	1/4	953.86	1/4	566.14	1/4	178.12	1/4		1/4	1/4		1/4		1/4
1/2	2,109.89	1/2	1,721.85	1/2	1,333.81	1/2	945.78	1/2	558.06	1/2	170.04	1/2		1/2	1/2		1/2		1/2
3/4	2,101.80	3/4	1,713.76	3/4	1,325.73	3/4	937.69	3/4	549.97	3/4	161.95	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/05/2011 CL - SW
CALCULATED: 04/05/2011 CL
PRINTED: 04/05/2011 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2011

PRECISION MEASUREMENT
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BARGE "KIRBY 29037"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	5,178.16	0	4,790.47	0	4,402.79	0	4,015.10	0	3,627.41	0	3,239.73	0	2,852.04		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,170.08	1/4	4,782.40	1/4	4,394.71	1/4	4,007.02	1/4	3,619.34	1/4	3,231.65	1/4	2,843.97		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,162.01	1/2	4,774.32	1/2	4,386.63	1/2	3,998.95	1/2	3,611.26	1/2	3,223.57	1/2	2,835.89		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,153.93	3/4	4,766.24	3/4	4,378.56	3/4	3,990.87	3/4	3,603.18	3/4	3,215.50	3/4	2,827.81		
1		1		1		1	5,145.85	1	4,758.17	1	4,370.48	1	3,982.79	1	3,595.11	1	3,207.42	1	2,819.73		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,137.78	1/4	4,750.09	1/4	4,362.40	1/4	3,974.72	1/4	3,587.03	1/4	3,199.34	1/4	2,811.66		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,129.70	1/2	4,742.01	1/2	4,354.33	1/2	3,966.64	1/2	3,578.95	1/2	3,191.27	1/2	2,803.58		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,121.62	3/4	4,733.94	3/4	4,346.25	3/4	3,958.56	3/4	3,570.88	3/4	3,183.19	3/4	2,795.50		
2		2		2		2	5,113.55	2	4,725.86	2	4,338.17	2	3,950.49	2	3,562.80	2	3,175.11	2	2,787.43		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,105.47	1/4	4,717.78	1/4	4,330.10	1/4	3,942.41	1/4	3,554.72	1/4	3,167.04	1/4	2,779.35		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,097.39	1/2	4,709.71	1/2	4,322.02	1/2	3,934.33	1/2	3,546.65	1/2	3,158.96	1/2	2,771.27		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,089.32	3/4	4,701.63	3/4	4,313.94	3/4	3,926.26	3/4	3,538.57	3/4	3,150.88	3/4	2,763.20		
3		3		3		3	5,081.24	3	4,693.55	3	4,305.87	3	3,918.18	3	3,530.49	3	3,142.81	3	2,755.12		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,073.16	1/4	4,685.48	1/4	4,297.79	1/4	3,910.10	1/4	3,522.42	1/4	3,134.73	1/4	2,747.04		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,065.09	1/2	4,677.40	1/2	4,289.71	1/2	3,902.03	1/2	3,514.34	1/2	3,126.65	1/2	2,738.97		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,057.01	3/4	4,669.32	3/4	4,281.64	3/4	3,893.95	3/4	3,506.26	3/4	3,118.58	3/4	2,730.89		
4		4		4		4	5,048.93	4	4,661.25	4	4,273.56	4	3,885.87	4	3,498.19	4	3,110.50	4	2,722.81		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,040.85	1/4	4,653.17	1/4	4,265.48	1/4	3,877.80	1/4	3,490.11	1/4	3,102.42	1/4	2,714.74		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,032.78	1/2	4,645.09	1/2	4,257.41	1/2	3,869.72	1/2	3,482.03	1/2	3,094.35	1/2	2,706.66		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,024.70	3/4	4,637.01	3/4	4,249.33	3/4	3,861.64	3/4	3,473.96	3/4	3,086.27	3/4	2,698.58		
5		5		5		5	5,016.62	5	4,628.94	5	4,241.25	5	3,853.57	5	3,465.88	5	3,078.19	5	2,690.51		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,008.55	1/4	4,620.86	1/4	4,233.17	1/4	3,845.49	1/4	3,457.80	1/4	3,070.12	1/4	2,682.43		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,000.47	1/2	4,612.78	1/2	4,225.10	1/2	3,837.41	1/2	3,449.73	1/2	3,062.04	1/2	2,674.35		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,992.39	3/4	4,604.71	3/4	4,217.02	3/4	3,829.33	3/4	3,441.65	3/4	3,053.96	3/4	2,666.28		
6		6		6		6	4,984.32	6	4,596.63	6	4,208.94	6	3,821.26	6	3,433.57	6	3,045.89	6	2,658.20		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,343.09	1/4	4,976.24	1/4	4,588.55	1/4	4,200.87	1/4	3,813.18	1/4	3,425.49	1/4	3,037.81	1/4	2,650.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,338.71	1/2	4,968.16	1/2	4,580.48	1/2	4,192.79	1/2	3,805.10	1/2	3,417.42	1/2	3,029.73	1/2	2,642.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,334.34	3/4	4,960.09	3/4	4,572.40	3/4	4,184.71	3/4	3,797.03	3/4	3,409.34	3/4	3,021.65	3/4	2,633.97
7		7		7		7	5,328.62	7	4,952.01	7	4,564.32	7	4,176.64	7	3,788.95	7	3,401.26	7	3,013.58	7	2,625.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,322.89	1/4	4,943.93	1/4	4,556.25	1/4	4,168.56	1/4	3,780.87	1/4	3,393.19	1/4	3,005.50	1/4	2,617.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,317.17	1/2	4,935.86	1/2	4,548.17	1/2	4,160.48	1/2	3,772.80	1/2	3,385.11	1/2	2,997.42	1/2	2,609.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,311.45	3/4	4,927.78	3/4	4,540.09	3/4	4,152.41	3/4	3,764.72	3/4	3,377.03	3/4	2,989.35	3/4	2,601.66
8		8		8		8	5,304.38	8	4,919.70	8	4,532.02	8	4,144.33	8	3,756.64	8	3,368.96	8	2,981.27	8	2,593.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,297.31	1/4	4,911.63	1/4	4,523.94	1/4	4,136.25	1/4	3,748.57	1/4	3,360.88	1/4	2,973.19	1/4	2,585.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,290.23	1/2	4,903.55	1/2	4,515.86	1/2	4,128.18	1/2	3,740.49	1/2	3,352.80	1/2	2,965.12	1/2	2,577.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,283.16	3/4	4,895.47	3/4	4,507.79	3/4	4,120.10	3/4	3,732.41	3/4	3,344.73	3/4	2,957.04	3/4	2,569.35
9		9		9		9	5,275.08	9	4,887.40	9	4,499.71	9	4,112.02	9	3,724.34	9	3,336.65	9	2,948.96	9	2,561.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,267.01	1/4	4,879.32	1/4	4,491.63	1/4	4,103.95	1/4	3,716.26	1/4	3,328.57	1/4	2,940.89	1/4	2,553.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,258.93	1/2	4,871.24	1/2	4,483.56	1/2	4,095.87	1/2	3,708.18	1/2	3,320.50	1/2	2,932.81	1/2	2,545.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,250.85	3/4	4,863.17	3/4	4,475.48	3/4	4,087.79	3/4	3,700.11	3/4	3,312.42	3/4	2,924.73	3/4	2,537.05
10		10		10		10	5,242.77	10	4,855.09	10	4,467.40	10	4,079.72	10	3,692.03	10	3,304.34	10	2,916.66	10	2,528.97
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,234.70	1/4	4,847.01	1/4	4,459.33	1/4	4,071.64	1/4	3,683.95	1/4	3,296.27	1/4	2,908.58	1/4	2,520.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,226.62	1/2	4,838.93	1/2	4,451.25	1/2	4,063.56	1/2	3,675.88	1/2	3,288.19	1/2	2,900.50	1/2	2,512.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,218.54	3/4	4,830.86	3/4	4,443.17	3/4	4,055.49	3/4	3,667.80	3/4	3,280.11	3/4	2,892.43	3/4	2,504.74
11		11		11		11	5,210.47	11	4,822.78	11	4,435.09	11	4,047.41	11	3,659.72	11	3,272.04	11	2,884.35	11	2,496.66
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,202.39	1/4	4,814.70	1/4	4,427.02	1/4	4,039.33	1/4	3,651.65	1/4	3,263.96	1/4	2,876.27	1/4	2,488.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,194.31	1/2	4,806.63	1/2	4,418.94	1/2	4,031.25	1/2	3,643.57	1/2	3,255.88	1/2	2,868.20	1/2	2,480.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,186.24	3/4	4,798.55	3/4	4,410.86	3/4	4,023.18	3/4	3,635.49	3/4	3,247.81	3/4	2,860.12	3/4	2,472.43

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 51'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 29037"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	2,464.36	0	2,076.67	0	1,688.98	0	1,302.86	0	928.63	0	541.41	0	153.73	0		0		0	
1/4	2,456.28	1/4	2,068.59	1/4	1,680.91	1/4	1,295.10	1/4	920.56	1/4	533.33	1/4	145.66	1/4	1/4	1/4		1/4	
1/2	2,448.20	1/2	2,060.52	1/2	1,672.83	1/2	1,287.33	1/2	912.48	1/2	525.26	1/2	137.58	1/2	1/2	1/2		1/2	
3/4	2,440.13	3/4	2,052.44	3/4	1,664.75	3/4	1,279.57	3/4	904.40	3/4	517.18	3/4	129.50	3/4	3/4	3/4		3/4	
1	2,432.05	1	2,044.36	1	1,656.68	1	1,271.81	1	896.34	1	509.10	1	121.43	1	1	1		1	
1/4	2,423.97	1/4	2,036.29	1/4	1,648.60	1/4	1,264.04	1/4	888.28	1/4	501.03	1/4	113.35	1/4	1/4	1/4		1/4	
1/2	2,415.89	1/2	2,028.21	1/2	1,640.52	1/2	1,256.28	1/2	880.22	1/2	492.95	1/2	105.27	1/2	1/2	1/2		1/2	
3/4	2,407.82	3/4	2,020.13	3/4	1,632.45	3/4	1,248.51	3/4	872.15	3/4	484.87	3/4	97.20	3/4	3/4	3/4		3/4	
2	2,399.74	2	2,012.05	2	1,624.37	2	1,240.75	2	864.09	2	476.80	2	89.12	2	2	2		2	
1/4	2,391.66	1/4	2,003.98	1/4	1,616.29	1/4	1,232.99	1/4	856.03	1/4	468.72	1/4	81.04	1/4	1/4	1/4		1/4	
1/2	2,383.59	1/2	1,995.90	1/2	1,608.21	1/2	1,225.22	1/2	847.97	1/2	460.64	1/2	72.97	1/2	1/2	1/2		1/2	
3/4	2,375.51	3/4	1,987.82	3/4	1,600.14	3/4	1,217.46	3/4	839.90	3/4	452.57	3/4	64.89	3/4	3/4	3/4		3/4	
3	2,367.43	3	1,979.75	3	1,592.06	3	1,209.70	3	831.84	3	444.49	3	57.82	3	3	3		3	
1/4	2,359.36	1/4	1,971.67	1/4	1,583.98	1/4	1,201.93	1/4	823.78	1/4	436.41	1/4	50.75	1/4	1/4	1/4		1/4	
1/2	2,351.28	1/2	1,963.59	1/2	1,575.91	1/2	1,194.17	1/2	815.72	1/2	428.34	1/2	43.69	1/2	1/2	1/2		1/2	
3/4	2,343.20	3/4	1,955.52	3/4	1,567.83	3/4	1,186.40	3/4	807.65	3/4	420.26	3/4	36.62	3/4	3/4	3/4		3/4	
4	2,335.13	4	1,947.44	4	1,559.75	4	1,178.64	4	799.59	4	412.18	4	31.57	4	4	4		4	
1/4	2,327.05	1/4	1,939.36	1/4	1,551.68	1/4	1,170.88	1/4	791.53	1/4	404.11	1/4	26.52	1/4	1/4	1/4		1/4	
1/2	2,318.97	1/2	1,931.29	1/2	1,543.60	1/2	1,163.11	1/2	783.47	1/2	396.03	1/2	21.48	1/2	1/2	1/2		1/2	
3/4	2,310.90	3/4	1,923.21	3/4	1,535.52	3/4	1,155.35	3/4	775.40	3/4	387.95	3/4	16.43	3/4	3/4	3/4		3/4	
5	2,302.82	5	1,915.13	5	1,527.45	5	1,147.59	5	767.34	5	379.88	5		5	5	5		5	
1/4	2,294.74	1/4	1,907.06	1/4	1,519.37	1/4	1,139.82	1/4	759.28	1/4	371.80	1/4		1/4	1/4	1/4		1/4	
1/2	2,286.67	1/2	1,898.98	1/2	1,511.29	1/2	1,132.06	1/2	751.22	1/2	363.72	1/2		1/2	1/2	1/2		1/2	
3/4	2,278.59	3/4	1,890.90	3/4	1,503.22	3/4	1,124.29	3/4	743.15	3/4	355.65	3/4		3/4	3/4	3/4		3/4	
6	2,270.51	6	1,882.83	6	1,495.14	6	1,116.53	6	735.09	6	347.57	6		6	6	6		6	
1/4	2,262.44	1/4	1,874.75	1/4	1,487.06	1/4	1,108.77	1/4	727.03	1/4	339.49	1/4		1/4	1/4	1/4		1/4	
1/2	2,254.36	1/2	1,866.67	1/2	1,478.99	1/2	1,101.00	1/2	718.97	1/2	331.42	1/2		1/2	1/2	1/2		1/2	
3/4	2,246.28	3/4	1,858.60	3/4	1,470.91	3/4	1,093.24	3/4	710.90	3/4	323.34	3/4		3/4	3/4	3/4		3/4	
7	2,238.21	7	1,850.52	7	1,462.83	7	1,085.48	7	702.84	7	315.26	7		7	7	7		7	
1/4	2,230.13	1/4	1,842.44	1/4	1,454.76	1/4	1,077.71	1/4	694.78	1/4	307.19	1/4		1/4	1/4	1/4		1/4	
1/2	2,222.05	1/2	1,834.37	1/2	1,446.68	1/2	1,069.95	1/2	686.72	1/2	299.11	1/2		1/2	1/2	1/2		1/2	
3/4	2,213.97	3/4	1,826.29	3/4	1,438.60	3/4	1,062.18	3/4	678.65	3/4	291.03	3/4		3/4	3/4	3/4		3/4	
8	2,205.90	8	1,818.21	8	1,430.53	8	1,054.42	8	670.59	8	282.96	8		8	8	8		8	
1/4	2,197.82	1/4	1,810.13	1/4	1,422.45	1/4	1,046.66	1/4	662.53	1/4	274.88	1/4		1/4	1/4	1/4		1/4	
1/2	2,189.74	1/2	1,802.06	1/2	1,414.37	1/2	1,038.89	1/2	654.47	1/2	266.80	1/2		1/2	1/2	1/2		1/2	
3/4	2,181.67	3/4	1,793.98	3/4	1,406.29	3/4	1,031.13	3/4	646.40	3/4	258.73	3/4		3/4	3/4	3/4		3/4	
9	2,173.59	9	1,785.90	9	1,398.22	9	1,023.36	9	638.33	9	250.65	9		9	9	9		9	
1/4	2,165.51	1/4	1,777.83	1/4	1,390.14	1/4	1,015.60	1/4	630.25	1/4	242.57	1/4		1/4	1/4	1/4		1/4	
1/2	2,157.44	1/2	1,769.75	1/2	1,382.06	1/2	1,007.84	1/2	622.17	1/2	234.50	1/2		1/2	1/2	1/2		1/2	
3/4	2,149.36	3/4	1,761.67	3/4	1,373.99	3/4	1,000.07	3/4	614.10	3/4	226.42	3/4		3/4	3/4	3/4		3/4	
10	2,141.28	10	1,753.60	10	1,365.91	10	992.31	10	606.02	10	218.34	10		10	10	10		10	
1/4	2,133.21	1/4	1,745.52	1/4	1,357.83	1/4	984.55	1/4	597.94	1/4	210.27	1/4		1/4	1/4	1/4		1/4	
1/2	2,125.13	1/2	1,737.44	1/2	1,349.76	1/2	976.78	1/2	589.87	1/2	202.19	1/2		1/2	1/2	1/2		1/2	
3/4	2,117.05	3/4	1,729.37	3/4	1,341.68	3/4	969.02	3/4	581.79	3/4	194.11	3/4		3/4	3/4	3/4		3/4	
11	2,108.98	11	1,721.29	11	1,333.92	11	960.94	11	573.72	11	186.04	11		11	11	11		11	
1/4	2,100.90	1/4	1,713.21	1/4	1,326.15	1/4	952.86	1/4	565.64	1/4	177.96	1/4		1/4	1/4	1/4		1/4	
1/2	2,092.82	1/2	1,705.14	1/2	1,318.39	1/2	944.79	1/2	557.56	1/2	169.89	1/2		1/2	1/2	1/2		1/2	
3/4	2,084.75	3/4	1,697.06	3/4	1,310.63	3/4	936.71	3/4	549.49	3/4	161.81	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/05/2011 CL - SW
CALCULATED: 04/05/2011 CL
PRINTED: 04/05/2011 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2011

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 29037"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	4,537.04	0	4,242.88	0	3,948.72	0	3,654.56	0	3,360.40	0	3,019.25	0	2,658.75
1/4		1/4		1/4		1/4	4,530.91	1/4	4,236.75	1/4	3,942.59	1/4	3,648.43	1/4	3,354.28	1/4	3,011.74	1/4	2,651.24
1/2		1/2		1/2		1/2	4,524.78	1/2	4,230.62	1/2	3,936.46	1/2	3,642.31	1/2	3,348.15	1/2	3,004.23	1/2	2,643.73
3/4		3/4		3/4		3/4	4,518.65	3/4	4,224.49	3/4	3,930.34	3/4	3,636.18	3/4	3,342.02	3/4	2,996.72	3/4	2,636.22
1		1		1		1	4,512.52	1	4,218.37	1	3,924.21	1	3,630.05	1	3,335.89	1	2,989.21	1	2,628.71
1/4		1/4		1/4		1/4	4,506.40	1/4	4,212.24	1/4	3,918.08	1/4	3,623.92	1/4	3,329.76	1/4	2,981.70	1/4	2,621.20
1/2		1/2		1/2		1/2	4,500.27	1/2	4,206.11	1/2	3,911.95	1/2	3,617.79	1/2	3,323.63	1/2	2,974.19	1/2	2,613.69
3/4		3/4		3/4		3/4	4,494.14	3/4	4,199.98	3/4	3,905.82	3/4	3,611.66	3/4	3,317.51	3/4	2,966.68	3/4	2,606.18
2		2		2		2	4,488.01	2	4,193.85	2	3,899.69	2	3,605.54	2	3,311.38	2	2,959.17	2	2,598.67
1/4		1/4		1/4		1/4	4,481.88	1/4	4,187.72	1/4	3,893.57	1/4	3,599.41	1/4	3,305.25	1/4	2,951.66	1/4	2,591.16
1/2		1/2		1/2		1/2	4,475.75	1/2	4,181.60	1/2	3,887.44	1/2	3,593.28	1/2	3,299.12	1/2	2,944.15	1/2	2,583.65
3/4		3/4		3/4		3/4	4,469.63	3/4	4,175.47	3/4	3,881.31	3/4	3,587.15	3/4	3,292.99	3/4	2,936.64	3/4	2,576.14
3		3		3		3	4,463.50	3	4,169.34	3	3,875.18	3	3,581.02	3	3,286.86	3	2,929.13	3	2,568.63
1/4		1/4		1/4		1/4	4,457.37	1/4	4,163.21	1/4	3,869.05	1/4	3,574.89	1/4	3,280.74	1/4	2,921.62	1/4	2,561.12
1/2		1/2		1/2		1/2	4,451.24	1/2	4,157.08	1/2	3,862.92	1/2	3,568.77	1/2	3,274.61	1/2	2,914.11	1/2	2,553.61
3/4		3/4		3/4		3/4	4,445.11	3/4	4,150.95	3/4	3,856.80	3/4	3,562.64	3/4	3,267.10	3/4	2,906.60	3/4	2,546.10
4		4		4		4	4,438.98	4	4,144.83	4	3,850.67	4	3,556.51	4	3,259.59	4	2,899.09	4	2,538.59
1/4		1/4		1/4		1/4	4,432.86	1/4	4,138.70	1/4	3,844.54	1/4	3,550.38	1/4	3,252.08	1/4	2,891.58	1/4	2,531.08
1/2		1/2		1/2		1/2	4,426.73	1/2	4,132.57	1/2	3,838.41	1/2	3,544.25	1/2	3,244.57	1/2	2,884.07	1/2	2,523.57
3/4		3/4		3/4		3/4	4,420.60	3/4	4,126.44	3/4	3,832.28	3/4	3,538.12	3/4	3,237.06	3/4	2,876.56	3/4	2,516.06
5		5		5		5	4,414.47	5	4,120.31	5	3,826.15	5	3,532.00	5	3,229.55	5	2,869.05	5	2,508.55
1/4		1/4		1/4		1/4	4,408.34	1/4	4,114.18	1/4	3,820.03	1/4	3,525.87	1/4	3,222.03	1/4	2,861.54	1/4	2,501.04
1/2		1/2		1/2		1/2	4,402.21	1/2	4,108.06	1/2	3,813.90	1/2	3,519.74	1/2	3,214.52	1/2	2,854.02	1/2	2,493.53
3/4		3/4		3/4		3/4	4,396.09	3/4	4,101.93	3/4	3,807.77	3/4	3,513.61	3/4	3,207.01	3/4	2,846.51	3/4	2,486.02
6		6		6	4,684.19	6	4,389.96	6	4,095.80	6	3,801.64	6	3,507.48	6	3,199.50	6	2,839.00	6	2,478.50
1/4		1/4		1/4	4,680.12	1/4	4,383.83	1/4	4,089.67	1/4	3,795.51	1/4	3,501.35	1/4	3,191.99	1/4	2,831.49	1/4	2,470.99
1/2		1/2		1/2	4,676.04	1/2	4,377.70	1/2	4,083.54	1/2	3,789.38	1/2	3,495.23	1/2	3,184.48	1/2	2,823.98	1/2	2,463.48
3/4		3/4		3/4	4,670.72	3/4	4,371.57	3/4	4,077.41	3/4	3,783.26	3/4	3,489.10	3/4	3,176.97	3/4	2,816.47	3/4	2,455.97
7		7		7	4,665.39	7	4,365.44	7	4,071.29	7	3,777.13	7	3,482.97	7	3,169.46	7	2,808.96	7	2,448.46
1/4		1/4		1/4	4,660.06	1/4	4,359.32	1/4	4,065.16	1/4	3,771.00	1/4	3,476.84	1/4	3,161.95	1/4	2,801.45	1/4	2,440.95
1/2		1/2		1/2	4,654.74	1/2	4,353.19	1/2	4,059.03	1/2	3,764.87	1/2	3,470.71	1/2	3,154.44	1/2	2,793.94	1/2	2,433.44
3/4		3/4		3/4	4,648.16	3/4	4,347.06	3/4	4,052.90	3/4	3,758.74	3/4	3,464.58	3/4	3,146.93	3/4	2,786.43	3/4	2,425.93
8		8		8	4,641.57	8	4,340.93	8	4,046.77	8	3,752.61	8	3,458.46	8	3,139.42	8	2,778.92	8	2,418.42
1/4		1/4		1/4	4,634.99	1/4	4,334.80	1/4	4,040.64	1/4	3,746.49	1/4	3,452.33	1/4	3,131.91	1/4	2,771.41	1/4	2,410.91
1/2		1/2		1/2	4,628.41	1/2	4,328.67	1/2	4,034.52	1/2	3,740.36	1/2	3,446.20	1/2	3,124.40	1/2	2,763.90	1/2	2,403.40
3/4		3/4		3/4	4,620.89	3/4	4,322.55	3/4	4,028.39	3/4	3,734.23	3/4	3,440.07	3/4	3,116.89	3/4	2,756.39	3/4	2,395.89
9		9		9	4,613.37	9	4,316.42	9	4,022.26	9	3,728.10	9	3,433.94	9	3,109.38	9	2,748.88	9	2,388.38
1/4		1/4		1/4	4,605.84	1/4	4,310.29	1/4	4,016.13	1/4	3,721.97	1/4	3,427.81	1/4	3,101.87	1/4	2,741.37	1/4	2,380.87
1/2		1/2		1/2	4,598.32	1/2	4,304.16	1/2	4,010.00	1/2	3,715.84	1/2	3,421.69	1/2	3,094.36	1/2	2,733.86	1/2	2,373.36
3/4		3/4		3/4	4,592.19	3/4	4,298.03	3/4	4,003.88	3/4	3,709.72	3/4	3,415.56	3/4	3,086.85	3/4	2,726.35	3/4	2,365.85
10		10		10	4,586.06	10	4,291.91	10	3,997.75	10	3,703.59	10	3,409.43	10	3,079.34	10	2,718.84	10	2,358.34
1/4		1/4		1/4	4,579.94	1/4	4,285.78	1/4	3,991.62	1/4	3,697.46	1/4	3,403.30	1/4	3,071.83	1/4	2,711.33	1/4	2,350.83
1/2		1/2		1/2	4,573.81	1/2	4,279.65	1/2	3,985.49	1/2	3,691.33	1/2	3,397.17	1/2	3,064.32	1/2	2,703.82	1/2	2,343.32
3/4		3/4		3/4	4,567.68	3/4	4,273.52	3/4	3,979.36	3/4	3,685.20	3/4	3,391.05	3/4	3,056.81	3/4	2,696.31	3/4	2,335.81
11		11		11	4,561.55	11	4,267.39	11	3,973.23	11	3,679.08	11	3,384.92	11	3,049.30	11	2,688.80	11	2,328.30
1/4		1/4		1/4	4,555.42	1/4	4,261.26	1/4	3,967.11	1/4	3,672.95	1/4	3,378.79	1/4	3,041.78	1/4	2,681.29	1/4	2,320.79
1/2		1/2		1/2	4,549.29	1/2	4,255.14	1/2	3,960.98	1/2	3,666.82	1/2	3,372.66	1/2	3,034.27	1/2	2,673.78	1/2	2,313.28
3/4		3/4		3/4	4,543.17	3/4	4,249.01	3/4	3,954.85	3/4	3,660.69	3/4	3,366.53	3/4	3,026.76	3/4	2,666.26	3/4	2,305.77

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'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29037"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,298.26	0	1,937.56	0	1,576.71	0	1,216.30	0	856.78	0	496.54	0	135.62	0		0		0	
1/4	2,290.74	1/4	1,930.05	1/4	1,569.19	1/4	1,208.82	1/4	849.26	1/4	489.02	1/4	128.10	1/4	1/4	1/4		1/4	
1/2	2,283.23	1/2	1,922.53	1/2	1,561.67	1/2	1,201.34	1/2	841.74	1/2	481.50	1/2	120.58	1/2	1/2	1/2		1/2	
3/4	2,275.72	3/4	1,915.01	3/4	1,554.16	3/4	1,193.86	3/4	834.22	3/4	473.98	3/4	113.06	3/4	3/4	3/4		3/4	
1	2,268.21	1	1,907.49	1	1,546.64	1	1,186.38	1	826.70	1	466.46	1	105.54	1	1	1		1	
1/4	2,260.70	1/4	1,899.97	1/4	1,539.12	1/4	1,178.90	1/4	819.18	1/4	458.94	1/4	98.02	1/4	1/4	1/4		1/4	
1/2	2,253.19	1/2	1,892.46	1/2	1,531.60	1/2	1,171.42	1/2	811.66	1/2	451.42	1/2	90.50	1/2	1/2	1/2		1/2	
3/4	2,245.68	3/4	1,884.94	3/4	1,524.08	3/4	1,163.94	3/4	804.14	3/4	443.90	3/4	82.99	3/4	3/4	3/4		3/4	
2	2,238.17	2	1,877.42	2	1,516.57	2	1,156.46	2	796.63	2	436.38	2	75.47	2	2	2		2	
1/4	2,230.66	1/4	1,869.90	1/4	1,509.05	1/4	1,148.98	1/4	789.11	1/4	428.86	1/4	67.95	1/4	1/4	1/4		1/4	
1/2	2,223.15	1/2	1,862.39	1/2	1,501.53	1/2	1,141.49	1/2	781.59	1/2	421.35	1/2	60.43	1/2	1/2	1/2		1/2	
3/4	2,215.64	3/4	1,854.87	3/4	1,494.01	3/4	1,134.01	3/4	774.09	3/4	413.83	3/4	53.85	3/4	3/4	3/4		3/4	
3	2,208.13	3	1,847.35	3	1,486.50	3	1,126.53	3	766.59	3	406.31	3	47.27	3	3	3		3	
1/4	2,200.62	1/4	1,839.83	1/4	1,478.98	1/4	1,119.05	1/4	759.09	1/4	398.79	1/4	40.69	1/4	1/4	1/4		1/4	
1/2	2,193.11	1/2	1,832.31	1/2	1,471.46	1/2	1,111.57	1/2	751.59	1/2	391.27	1/2	34.11	1/2	1/2	1/2		1/2	
3/4	2,185.60	3/4	1,824.80	3/4	1,463.94	3/4	1,104.09	3/4	744.10	3/4	383.75	3/4	29.41	3/4	3/4	3/4		3/4	
4	2,178.09	4	1,817.28	4	1,456.42	4	1,096.61	4	736.60	4	376.23	4	24.71	4	4	4		4	
1/4	2,170.58	1/4	1,809.76	1/4	1,448.91	1/4	1,089.13	1/4	729.10	1/4	368.71	1/4	20.01	1/4	1/4	1/4		1/4	
1/2	2,163.07	1/2	1,802.24	1/2	1,441.39	1/2	1,081.65	1/2	721.60	1/2	361.19	1/2	15.31	1/2	1/2	1/2		1/2	
3/4	2,155.56	3/4	1,794.73	3/4	1,433.87	3/4	1,074.17	3/4	714.10	3/4	353.67	3/4		3/4	3/4	3/4		3/4	
5	2,148.05	5	1,787.21	5	1,426.35	5	1,066.69	5	706.61	5	346.15	5		5	5	5		5	
1/4	2,140.54	1/4	1,779.69	1/4	1,418.84	1/4	1,059.21	1/4	699.11	1/4	338.64	1/4		1/4	1/4	1/4		1/4	
1/2	2,133.03	1/2	1,772.17	1/2	1,411.32	1/2	1,051.73	1/2	691.61	1/2	331.12	1/2		1/2	1/2	1/2		1/2	
3/4	2,125.51	3/4	1,764.65	3/4	1,403.80	3/4	1,044.25	3/4	684.11	3/4	323.60	3/4		3/4	3/4	3/4		3/4	
6	2,117.99	6	1,757.14	6	1,396.28	6	1,036.77	6	676.61	6	316.08	6		6	6	6		6	
1/4	2,110.47	1/4	1,749.62	1/4	1,388.76	1/4	1,029.28	1/4	669.12	1/4	308.56	1/4		1/4	1/4	1/4		1/4	
1/2	2,102.96	1/2	1,742.10	1/2	1,381.25	1/2	1,021.80	1/2	661.62	1/2	301.04	1/2		1/2	1/2	1/2		1/2	
3/4	2,095.44	3/4	1,734.58	3/4	1,373.73	3/4	1,014.32	3/4	654.12	3/4	293.52	3/4		3/4	3/4	3/4		3/4	
7	2,087.92	7	1,727.07	7	1,366.21	7	1,006.84	7	646.62	7	286.00	7		7	7	7		7	
1/4	2,080.40	1/4	1,719.55	1/4	1,358.69	1/4	999.36	1/4	639.12	1/4	278.48	1/4		1/4	1/4	1/4		1/4	
1/2	2,072.88	1/2	1,712.03	1/2	1,351.18	1/2	991.88	1/2	631.63	1/2	270.96	1/2		1/2	1/2	1/2		1/2	
3/4	2,065.37	3/4	1,704.51	3/4	1,343.66	3/4	984.40	3/4	624.13	3/4	263.44	3/4		3/4	3/4	3/4		3/4	
8	2,057.85	8	1,696.99	8	1,336.14	8	976.92	8	616.63	8	255.93	8		8	8	8		8	
1/4	2,050.33	1/4	1,689.48	1/4	1,328.62	1/4	969.44	1/4	609.13	1/4	248.41	1/4		1/4	1/4	1/4		1/4	
1/2	2,042.81	1/2	1,681.96	1/2	1,321.10	1/2	961.96	1/2	601.63	1/2	240.89	1/2		1/2	1/2	1/2		1/2	
3/4	2,035.30	3/4	1,674.44	3/4	1,313.61	3/4	954.46	3/4	594.14	3/4	233.37	3/4		3/4	3/4	3/4		3/4	
9	2,027.78	9	1,666.92	9	1,306.11	9	946.96	9	586.64	9	225.85	9		9	9	9		9	
1/4	2,020.26	1/4	1,659.41	1/4	1,298.61	1/4	939.46	1/4	579.14	1/4	218.33	1/4		1/4	1/4	1/4		1/4	
1/2	2,012.74	1/2	1,651.89	1/2	1,291.11	1/2	931.96	1/2	571.64	1/2	210.81	1/2		1/2	1/2	1/2		1/2	
3/4	2,005.22	3/4	1,644.37	3/4	1,283.63	3/4	924.44	3/4	564.14	3/4	203.29	3/4		3/4	3/4	3/4		3/4	
10	1,997.71	10	1,636.85	10	1,276.15	10	916.93	10	556.65	10	195.77	10		10	10	10		10	
1/4	1,990.19	1/4	1,629.33	1/4	1,268.67	1/4	909.41	1/4	549.15	1/4	188.25	1/4		1/4	1/4	1/4		1/4	
1/2	1,982.67	1/2	1,621.82	1/2	1,261.19	1/2	901.89	1/2	541.65	1/2	180.73	1/2		1/2	1/2	1/2		1/2	
3/4	1,975.15	3/4	1,614.30	3/4	1,253.71	3/4	894.37	3/4	534.13	3/4	173.22	3/4		3/4	3/4	3/4		3/4	
11	1,967.63	11	1,606.78	11	1,246.22	11	886.85	11	526.61	11	165.70	11		11	11	11		11	
1/4	1,960.12	1/4	1,599.26	1/4	1,238.74	1/4	879.33	1/4	519.09	1/4	158.18	1/4		1/4	1/4	1/4		1/4	
1/2	1,952.60	1/2	1,591.74	1/2	1,231.26	1/2	871.82	1/2	511.57	1/2	150.66	1/2		1/2	1/2	1/2		1/2	
3/4	1,945.08	3/4	1,584.23	3/4	1,223.78	3/4	864.30	3/4	504.06	3/4	143.14	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/05/2011 CL - SW
CALCULATED: 04/05/2011 CL
PRINTED: 04/05/2011 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2011

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 29037"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0		
							4,526.07		4,232.11		3,938.15		3,644.19		3,350.23		3,012.47		2,652.82		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,519.95	1/4	4,225.99	1/4	3,932.03	1/4	3,638.06	1/4	3,344.10	1/4	3,004.98	1/4	2,645.33		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,513.82	1/2	4,219.86	1/2	3,925.90	1/2	3,631.94	1/2	3,337.98	1/2	2,997.49	1/2	2,637.84		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,507.70	3/4	4,213.74	3/4	3,919.78	3/4	3,625.82	3/4	3,331.85	3/4	2,989.99	3/4	2,630.35		
1	1	1	1	1	1	1	4,501.58	1	4,207.61	1	3,913.65	1	3,619.69	1	3,325.73	1	2,982.50	1	2,622.85		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,495.45	1/4	4,201.49	1/4	3,907.53	1/4	3,613.57	1/4	3,319.61	1/4	2,975.01	1/4	2,615.36		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,489.33	1/2	4,195.37	1/2	3,901.40	1/2	3,607.44	1/2	3,313.48	1/2	2,967.52	1/2	2,607.87		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,483.20	3/4	4,189.24	3/4	3,895.28	3/4	3,601.32	3/4	3,307.36	3/4	2,960.02	3/4	2,600.37		
2	2	2	2	2	2	2	4,477.08	2	4,183.12	2	3,889.16	2	3,595.19	2	3,301.23	2	2,952.53	2	2,592.88		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,470.96	1/4	4,176.99	1/4	3,883.03	1/4	3,589.07	1/4	3,295.11	1/4	2,945.04	1/4	2,585.39		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,464.83	1/2	4,170.87	1/2	3,876.91	1/2	3,582.95	1/2	3,288.98	1/2	2,937.55	1/2	2,577.90		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,458.71	3/4	4,164.74	3/4	3,870.78	3/4	3,576.82	3/4	3,282.86	3/4	2,930.05	3/4	2,570.40		
3	3	3	3	3	3	3	4,452.58	3	4,158.62	3	3,864.66	3	3,570.70	3	3,276.74	3	2,922.56	3	2,562.91		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,446.46	1/4	4,152.50	1/4	3,858.53	1/4	3,564.57	1/4	3,270.61	1/4	2,915.07	1/4	2,555.42		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,440.33	1/2	4,146.37	1/2	3,852.41	1/2	3,558.45	1/2	3,264.49	1/2	2,907.57	1/2	2,547.93		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,434.21	3/4	4,140.25	3/4	3,846.29	3/4	3,552.32	3/4	3,258.36	3/4	2,900.08	3/4	2,540.43		
4	4	4	4	4	4	4	4,428.09	4	4,134.12	4	3,840.16	4	3,546.20	4	3,252.24	4	2,892.59	4	2,532.94		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,421.96	1/4	4,128.00	1/4	3,834.04	1/4	3,540.08	1/4	3,244.75	1/4	2,885.10	1/4	2,525.45		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,415.84	1/2	4,121.88	1/2	3,827.91	1/2	3,533.95	1/2	3,237.25	1/2	2,877.60	1/2	2,517.95		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,409.71	3/4	4,115.75	3/4	3,821.79	3/4	3,527.83	3/4	3,229.76	3/4	2,870.11	3/4	2,510.46		
5	5	5	5	5	5	5	4,403.59	5	4,109.63	5	3,815.67	5	3,521.70	5	3,222.27	5	2,862.62	5	2,502.97		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,397.46	1/4	4,103.50	1/4	3,809.54	1/4	3,515.58	1/4	3,214.78	1/4	2,855.13	1/4	2,495.48		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,391.34	1/2	4,097.38	1/2	3,803.42	1/2	3,509.46	1/2	3,207.28	1/2	2,847.63	1/2	2,487.98		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,385.22	3/4	4,091.25	3/4	3,797.29	3/4	3,503.33	3/4	3,199.79	3/4	2,840.14	3/4	2,480.49		
6	6	6	6	6	6	6	4,379.09	6	4,085.13	6	3,791.17	6	3,497.21	6	3,192.30	6	2,832.65	6	2,473.00		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,372.97	1/4	4,079.01	1/4	3,785.04	1/4	3,491.08	1/4	3,184.80	1/4	2,825.16	1/4	2,465.51		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,660.82	1/2	4,366.84	1/2	4,072.88	1/2	3,778.92	1/2	3,484.96	1/2	3,177.31	1/2	2,817.66	1/2	2,458.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,656.75	3/4	4,360.72	3/4	4,066.76	3/4	3,772.80	3/4	3,478.83	3/4	3,169.82	3/4	2,810.17	3/4	2,450.52
7	7	7	7	7	7	7	4,652.68	7	4,354.60	7	4,060.63	7	3,766.67	7	3,472.71	7	3,162.33	7	2,802.68	7	2,443.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,647.36	1/4	4,348.47	1/4	4,054.51	1/4	3,760.55	1/4	3,466.59	1/4	3,154.83	1/4	2,795.18	1/4	2,435.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,642.04	1/2	4,342.35	1/2	4,048.39	1/2	3,754.42	1/2	3,460.46	1/2	3,147.34	1/2	2,787.69	1/2	2,428.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,636.72	3/4	4,336.22	3/4	4,042.26	3/4	3,748.30	3/4	3,454.34	3/4	3,139.85	3/4	2,780.20	3/4	2,420.56
8	8	8	8	8	8	8	4,631.40	8	4,330.10	8	4,036.14	8	3,742.18	8	3,448.21	8	3,132.36	8	2,772.71	8	2,413.07
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,624.82	1/4	4,323.97	1/4	4,030.01	1/4	3,736.05	1/4	3,442.09	1/4	3,124.86	1/4	2,765.21	1/4	2,405.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,618.25	1/2	4,317.85	1/2	4,023.89	1/2	3,729.93	1/2	3,435.97	1/2	3,117.37	1/2	2,757.72	1/2	2,398.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,611.67	3/4	4,311.73	3/4	4,017.76	3/4	3,723.80	3/4	3,429.84	3/4	3,109.88	3/4	2,750.23	3/4	2,390.60
9	9	9	9	9	9	9	4,605.10	9	4,305.60	9	4,011.64	9	3,717.68	9	3,423.72	9	3,102.39	9	2,742.74	9	2,383.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,599.59	1/4	4,299.48	1/4	4,005.52	1/4	3,711.55	1/4	3,417.59	1/4	3,094.89	1/4	2,735.24	1/4	2,375.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,590.08	1/2	4,293.35	1/2	3,999.39	1/2	3,705.43	1/2	3,411.47	1/2	3,087.40	1/2	2,727.75	1/2	2,368.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,582.57	3/4	4,287.23	3/4	3,993.27	3/4	3,699.31	3/4	3,405.34	3/4	3,079.91	3/4	2,720.26	3/4	2,360.65
10	10	10	10	10	10	10	4,575.07	10	4,281.10	10	3,987.14	10	3,693.18	10	3,399.22	10	3,072.41	10	2,712.76	10	2,353.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,568.94	1/4	4,274.98	1/4	3,981.02	1/4	3,687.06	1/4	3,393.10	1/4	3,064.92	1/4	2,705.27	1/4	2,345.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,562.82	1/2	4,268.86	1/2	3,974.89	1/2	3,680.93	1/2	3,386.97	1/2	3,057.43	1/2	2,697.78	1/2	2,338.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,556.69	3/4	4,262.73	3/4	3,968.77	3/4	3,674.81	3/4	3,380.85	3/4	3,049.94	3/4	2,690.29	3/4	2,330.69
11	11	11	11	11	11	11	4,550.57	11	4,256.61	11	3,962.65	11	3,668.68	11	3,374.72	11	3,042.44	11	2,682.79	11	2,323.20
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,544.45	1/4	4,250.48	1/4	3,956.52	1/4	3,662.56	1/4	3,368.60	1/4	3,034.95	1/4	2,675.30	1/4	2,315.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,538.32	1/2	4,244.36	1/2	3,950.40	1/2	3,656.44	1/2	3,362.47	1/2	3,027.46	1/2	2,667.81	1/2	2,308.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,532.20	3/4	4,238.24	3/4	3,944.27	3/4	3,650.31	3/4	3,356.35	3/4	3,019.97	3/4	2,660.32	3/4	2,300.74

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'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 29037"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	2,293.25	0	1,934.46	0	1,575.96	0	1,218.33	0	869.67	0	510.36	0	150.33	0		0		0	
1/4	2,285.76	1/4	1,927.01	1/4	1,568.46	1/4	1,211.11	1/4	862.17	1/4	502.86	1/4	142.83	1/4		1/4		1/4	
1/2	2,278.27	1/2	1,919.57	1/2	1,560.97	1/2	1,203.89	1/2	854.67	1/2	495.36	1/2	135.33	1/2		1/2		1/2	
3/4	2,270.78	3/4	1,912.12	3/4	1,553.47	3/4	1,196.68	3/4	847.17	3/4	487.86	3/4	127.83	3/4		3/4		3/4	
1	2,263.29	1	1,904.67	1	1,545.97	1	1,189.46	1	839.66	1	480.36	1	120.33	1		1		1	
1/4	2,255.80	1/4	1,897.22	1/4	1,538.47	1/4	1,182.25	1/4	832.16	1/4	472.86	1/4	112.83	1/4		1/4		1/4	
1/2	2,248.31	1/2	1,889.77	1/2	1,530.98	1/2	1,175.03	1/2	824.66	1/2	465.36	1/2	105.33	1/2		1/2		1/2	
3/4	2,240.82	3/4	1,882.33	3/4	1,523.48	3/4	1,167.81	3/4	817.16	3/4	457.86	3/4	97.83	3/4		3/4		3/4	
2	2,233.33	2	1,874.88	2	1,515.98	2	1,160.60	2	809.66	2	450.36	2	90.33	2		2		2	
1/4	2,225.84	1/4	1,867.43	1/4	1,508.48	1/4	1,153.38	1/4	802.16	1/4	442.86	1/4	82.83	1/4		1/4		1/4	
1/2	2,218.34	1/2	1,859.98	1/2	1,500.99	1/2	1,146.16	1/2	794.66	1/2	435.35	1/2	75.33	1/2		1/2		1/2	
3/4	2,210.85	3/4	1,852.53	3/4	1,493.49	3/4	1,138.95	3/4	787.16	3/4	427.85	3/4	67.83	3/4		3/4		3/4	
3	2,203.36	3	1,845.08	3	1,485.99	3	1,131.73	3	779.66	3	420.35	3	60.33	3		3		3	
1/4	2,195.86	1/4	1,837.64	1/4	1,478.49	1/4	1,124.52	1/4	772.18	1/4	412.85	1/4	53.77	1/4		1/4		1/4	
1/2	2,188.37	1/2	1,830.19	1/2	1,471.00	1/2	1,117.30	1/2	764.70	1/2	405.35	1/2	47.20	1/2		1/2		1/2	
3/4	2,180.88	3/4	1,822.74	3/4	1,463.50	3/4	1,110.08	3/4	757.22	3/4	397.85	3/4	40.64	3/4		3/4		3/4	
4	2,173.38	4	1,815.29	4	1,456.00	4	1,102.87	4	749.75	4	390.35	4	34.08	4		4		4	
1/4	2,165.89	1/4	1,807.84	1/4	1,448.50	1/4	1,095.65	1/4	742.27	1/4	382.85	1/4	29.39	1/4		1/4		1/4	
1/2	2,158.39	1/2	1,800.40	1/2	1,441.00	1/2	1,088.43	1/2	734.79	1/2	375.35	1/2	24.69	1/2		1/2		1/2	
3/4	2,150.90	3/4	1,792.95	3/4	1,433.51	3/4	1,081.22	3/4	727.31	3/4	367.85	3/4	19.99	3/4		3/4		3/4	
5	2,143.41	5	1,785.50	5	1,426.01	5	1,074.00	5	719.83	5	360.35	5	15.30	5		5		5	
1/4	2,135.91	1/4	1,778.05	1/4	1,418.51	1/4	1,066.78	1/4	712.36	1/4	352.85	1/4		1/4		1/4		1/4	
1/2	2,128.42	1/2	1,770.60	1/2	1,411.01	1/2	1,059.57	1/2	704.88	1/2	345.35	1/2		1/2		1/2		1/2	
3/4	2,120.93	3/4	1,763.15	3/4	1,403.52	3/4	1,052.35	3/4	697.40	3/4	337.85	3/4		3/4		3/4		3/4	
6	2,113.43	6	1,755.71	6	1,396.02	6	1,045.14	6	689.92	6	330.34	6		6		6		6	
1/4	2,105.93	1/4	1,748.26	1/4	1,388.52	1/4	1,037.92	1/4	682.44	1/4	322.84	1/4		1/4		1/4		1/4	
1/2	2,098.43	1/2	1,740.81	1/2	1,381.02	1/2	1,030.70	1/2	674.97	1/2	315.34	1/2		1/2		1/2		1/2	
3/4	2,090.93	3/4	1,733.36	3/4	1,373.53	3/4	1,023.49	3/4	667.49	3/4	307.84	3/4		3/4		3/4		3/4	
7	2,083.43	7	1,725.91	7	1,366.03	7	1,016.27	7	660.01	7	300.34	7		7		7		7	
1/4	2,075.98	1/4	1,718.42	1/4	1,358.53	1/4	1,009.05	1/4	652.53	1/4	292.84	1/4		1/4		1/4		1/4	
1/2	2,068.53	1/2	1,710.92	1/2	1,351.03	1/2	1,001.84	1/2	645.05	1/2	285.34	1/2		1/2		1/2		1/2	
3/4	2,061.08	3/4	1,703.42	3/4	1,343.54	3/4	994.62	3/4	637.58	3/4	277.84	3/4		3/4		3/4		3/4	
8	2,053.63	8	1,695.92	8	1,336.04	8	987.41	8	630.10	8	270.34	8		8		8		8	
1/4	2,046.19	1/4	1,688.43	1/4	1,328.54	1/4	980.19	1/4	622.62	1/4	262.84	1/4		1/4		1/4		1/4	
1/2	2,038.74	1/2	1,680.93	1/2	1,321.04	1/2	972.97	1/2	615.14	1/2	255.34	1/2		1/2		1/2		1/2	
3/4	2,031.29	3/4	1,673.43	3/4	1,313.55	3/4	965.76	3/4	607.67	3/4	247.84	3/4		3/4		3/4		3/4	
9	2,023.84	9	1,665.93	9	1,306.05	9	958.54	9	600.19	9	240.34	9		9		9		9	
1/4	2,016.39	1/4	1,658.44	1/4	1,298.55	1/4	951.32	1/4	592.71	1/4	232.84	1/4		1/4		1/4		1/4	
1/2	2,008.95	1/2	1,650.94	1/2	1,291.05	1/2	944.11	1/2	585.23	1/2	225.34	1/2		1/2		1/2		1/2	
3/4	2,001.50	3/4	1,643.44	3/4	1,283.56	3/4	936.89	3/4	577.75	3/4	217.83	3/4		3/4		3/4		3/4	
10	1,994.05	10	1,635.94	10	1,276.06	10	929.68	10	570.28	10	210.33	10		10		10		10	
1/4	1,986.60	1/4	1,628.44	1/4	1,268.54	1/4	922.17	1/4	562.80	1/4	202.83	1/4		1/4		1/4		1/4	
1/2	1,979.15	1/2	1,620.95	1/2	1,261.02	1/2	914.67	1/2	555.32	1/2	195.33	1/2		1/2		1/2		1/2	
3/4	1,971.70	3/4	1,613.45	3/4	1,253.51	3/4	907.17	3/4	547.84	3/4	187.83	3/4		3/4		3/4		3/4	
11	1,964.26	11	1,605.95	11	1,247.19	11	899.67	11	540.36	11	180.33	11		11		11		11	
1/4	1,956.81	1/4	1,598.45	1/4	1,239.98	1/4	892.17	1/4	532.86	1/4	172.83	1/4		1/4		1/4		1/4	
1/2	1,949.36	1/2	1,590.96	1/2	1,232.76	1/2	884.67	1/2	525.36	1/2	165.33	1/2		1/2		1/2		1/2	
3/4	1,941.91	3/4	1,583.46	3/4	1,225.54	3/4	877.17	3/4	517.86	3/4	157.83	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/05/2011 CL - SW
CALCULATED: 04/05/2011 CL
PRINTED: 04/05/2011 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2011

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