



# BARGE "KIRBY 11010B"

## 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 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-1/2	- 00-1/2	00-5/8	- 00-5/8
2 CENTER	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/8	- 01-1/8
3 CENTER	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

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

LENGTH BETWEEN DRAFT MARKS: 183'-00"

March 23, 2010

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 11010B"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	4,099.42	0	3,808.45	0	3,501.18	0	3,193.91	0	2,886.14	0	2,577.47	0	2,268.79		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,096.20	1/4	3,802.05	1/4	3,494.78	1/4	3,187.51	1/4	2,879.71	1/4	2,571.04	1/4	2,262.36		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,092.98	1/2	3,795.65	1/2	3,488.38	1/2	3,181.11	1/2	2,873.28	1/2	2,564.61	1/2	2,255.93		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,089.76	3/4	3,789.25	3/4	3,481.98	3/4	3,174.71	3/4	2,866.85	3/4	2,558.18	3/4	2,249.50		
1		1		1		1	4,084.40	1	3,782.85	1	3,475.58	1	3,168.30	1	2,860.42	1	2,551.74	1	2,243.07		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,079.04	1/4	3,776.45	1/4	3,469.17	1/4	3,161.90	1/4	2,853.99	1/4	2,545.31	1/4	2,236.64		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,073.69	1/2	3,770.04	1/2	3,462.77	1/2	3,155.50	1/2	2,847.56	1/2	2,538.88	1/2	2,230.21		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,068.33	3/4	3,763.64	3/4	3,456.37	3/4	3,149.10	3/4	2,841.13	3/4	2,532.45	3/4	2,223.78		
2		2		2		2	4,062.07	2	3,757.24	2	3,449.97	2	3,142.70	2	2,834.70	2	2,526.02	2	2,217.35		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,055.82	1/4	3,750.84	1/4	3,443.57	1/4	3,136.30	1/4	2,828.27	1/4	2,519.59	1/4	2,210.92		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,049.56	1/2	3,744.44	1/2	3,437.17	1/2	3,129.89	1/2	2,821.83	1/2	2,513.16	1/2	2,204.49		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,043.31	3/4	3,738.04	3/4	3,430.77	3/4	3,123.49	3/4	2,815.40	3/4	2,506.73	3/4	2,198.06		
3		3		3		3	4,037.02	3	3,731.64	3	3,424.36	3	3,117.09	3	2,808.97	3	2,500.30	3	2,191.63		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,030.73	1/4	3,725.23	1/4	3,417.96	1/4	3,110.69	1/4	2,802.54	1/4	2,493.87	1/4	2,185.20		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,024.43	1/2	3,718.83	1/2	3,411.56	1/2	3,104.29	1/2	2,796.11	1/2	2,487.44	1/2	2,178.76		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,018.14	3/4	3,712.43	3/4	3,405.16	3/4	3,097.89	3/4	2,789.68	3/4	2,481.01	3/4	2,172.33		
4		4		4		4	4,011.84	4	3,706.03	4	3,398.76	4	3,091.49	4	2,783.25	4	2,474.58	4	2,165.90		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,005.53	1/4	3,699.63	1/4	3,392.36	1/4	3,085.08	1/4	2,776.82	1/4	2,468.15	1/4	2,159.47		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,999.23	1/2	3,693.23	1/2	3,385.95	1/2	3,078.68	1/2	2,770.39	1/2	2,461.72	1/2	2,153.04		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,992.92	3/4	3,686.83	3/4	3,379.55	3/4	3,072.28	3/4	2,763.96	3/4	2,455.28	3/4	2,146.61		
5		5		5		5	3,986.62	5	3,680.42	5	3,373.15	5	3,065.88	5	2,757.53	5	2,448.85	5	2,140.18		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,980.31	1/4	3,674.02	1/4	3,366.75	1/4	3,059.48	1/4	2,751.10	1/4	2,442.42	1/4	2,133.75		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,974.00	1/2	3,667.62	1/2	3,360.35	1/2	3,053.08	1/2	2,744.67	1/2	2,435.99	1/2	2,127.32		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,967.70	3/4	3,661.22	3/4	3,353.95	3/4	3,046.68	3/4	2,738.24	3/4	2,429.56	3/4	2,120.89		
6		6		6		6	3,961.39	6	3,654.82	6	3,347.55	6	3,040.27	6	2,731.80	6	2,423.13	6	2,114.46		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,955.09	1/4	3,648.42	1/4	3,341.14	1/4	3,033.87	1/4	2,725.37	1/4	2,416.70	1/4	2,108.03		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,948.79	1/2	3,642.01	1/2	3,334.74	1/2	3,027.47	1/2	2,718.94	1/2	2,410.27	1/2	2,101.60		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,942.49	3/4	3,635.61	3/4	3,328.34	3/4	3,021.07	3/4	2,712.51	3/4	2,403.84	3/4	2,095.17		
7		7		7		7	3,936.19	7	3,629.21	7	3,321.94	7	3,014.67	7	2,706.08	7	2,397.41	7	2,088.73		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,929.88	1/4	3,622.81	1/4	3,315.54	1/4	3,008.27	1/4	2,699.65	1/4	2,390.98	1/4	2,082.30		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,923.58	1/2	3,616.41	1/2	3,309.14	1/2	3,001.86	1/2	2,693.22	1/2	2,384.55	1/2	2,075.87		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,917.28	3/4	3,610.01	3/4	3,302.74	3/4	2,995.46	3/4	2,686.79	3/4	2,378.12	3/4	2,069.44		
8		8		8		8	3,910.88	8	3,603.61	8	3,296.33	8	2,989.03	8	2,680.36	8	2,371.69	8	2,063.01		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,904.48	1/4	3,597.20	1/4	3,289.93	1/4	2,982.60	1/4	2,673.93	1/4	2,365.25	1/4	2,056.58		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,898.07	1/2	3,590.80	1/2	3,283.53	1/2	2,976.17	1/2	2,667.50	1/2	2,358.82	1/2	2,050.15		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,891.67	3/4	3,584.40	3/4	3,277.13	3/4	2,969.74	3/4	2,661.07	3/4	2,352.39	3/4	2,043.72		
9		9		9		9	3,885.27	9	3,578.00	9	3,270.73	9	2,963.31	9	2,654.64	9	2,345.96	9	2,037.29		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,878.87	1/4	3,571.60	1/4	3,264.33	1/4	2,956.88	1/4	2,648.21	1/4	2,339.53	1/4	2,030.86		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,872.47	1/2	3,565.20	1/2	3,257.92	1/2	2,950.45	1/2	2,641.77	1/2	2,333.10	1/2	2,024.43		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,866.07	3/4	3,558.80	3/4	3,251.52	3/4	2,944.02	3/4	2,635.34	3/4	2,326.67	3/4	2,018.00		
10		10		10		10	3,859.67	10	3,552.39	10	3,245.12	10	2,937.59	10	2,628.91	10	2,320.24	10	2,011.57		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,853.26	1/4	3,545.99	1/4	3,238.72	1/4	2,931.16	1/4	2,622.48	1/4	2,313.81	1/4	2,005.14		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,846.86	1/2	3,539.59	1/2	3,232.32	1/2	2,924.73	1/2	2,616.05	1/2	2,307.38	1/2	1,998.70		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,106.92	3/4	3,840.46	3/4	3,533.19	3/4	3,225.92	3/4	2,918.29	3/4	2,609.62	3/4	2,300.95		
11		11		11		11	4,105.85	11	3,834.06	11	3,526.79	11	3,219.52	11	2,911.86	11	2,603.19	11	2,294.52	11	1,985.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,104.78	1/4	3,827.66	1/4	3,520.39	1/4	3,213.11	1/4	2,905.43	1/4	2,596.76	1/4	2,288.09	1/4	1,979.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,103.70	1/2	3,821.26	1/2	3,513.98	1/2	3,206.71	1/2	2,899.00	1/2	2,590.33	1/2	2,281.66	1/2	1,972.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,102.63	3/4	3,814.86	3/4	3,507.58	3/4	3,200.31	3/4	2,892.57	3/4	2,583.90	3/4	2,275.22	3/4	1,966.55

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 ON CENTERLINE AND 32'-09" FORWARD OF AFT BULKHEAD.

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



# BARGE "KIRBY 11010B"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	1,960.12	0	1,651.44	0	1,342.60	0	1,034.67	0	726.56	0	417.74	0	109.06	0		0			
1/4	1,953.69	1/4	1,645.01	1/4	1,336.17	1/4	1,028.27	1/4	720.12	1/4	411.30	1/4	102.67	1/4		1/4			
1/2	1,947.26	1/2	1,638.58	1/2	1,329.73	1/2	1,021.87	1/2	713.69	1/2	404.87	1/2	96.28	1/2		1/2			
3/4	1,940.83	3/4	1,632.14	3/4	1,323.30	3/4	1,015.48	3/4	707.26	3/4	398.43	3/4	89.88	3/4		3/4			
1	1,934.40	1	1,625.71	1	1,316.87	1	1,009.08	1	700.82	1	392.00	1	83.52	1		1			
1/4	1,927.97	1/4	1,619.27	1/4	1,310.43	1/4	1,002.68	1/4	694.39	1/4	385.57	1/4	77.16	1/4		1/4			
1/2	1,921.54	1/2	1,612.84	1/2	1,304.00	1/2	996.28	1/2	687.96	1/2	379.13	1/2	70.80	1/2		1/2			
3/4	1,915.11	3/4	1,606.40	3/4	1,297.56	3/4	989.89	3/4	681.52	3/4	372.70	3/4	64.45	3/4		3/4			
2	1,908.67	2	1,599.97	2	1,291.13	2	983.49	2	675.09	2	366.27	2	58.14	2		2			
1/4	1,902.24	1/4	1,593.54	1/4	1,284.69	1/4	977.09	1/4	668.65	1/4	359.83	1/4	51.84	1/4		1/4			
1/2	1,895.81	1/2	1,587.10	1/2	1,278.26	1/2	970.69	1/2	662.22	1/2	353.40	1/2	45.54	1/2		1/2			
3/4	1,889.38	3/4	1,580.67	3/4	1,271.83	3/4	964.29	3/4	655.79	3/4	346.96	3/4	39.24	3/4		3/4			
3	1,882.95	3	1,574.23	3	1,265.39	3	957.90	3	649.35	3	340.53	3	33.89	3		3			
1/4	1,876.52	1/4	1,567.80	1/4	1,258.96	1/4	951.51	1/4	642.92	1/4	334.10	1/4	28.54	1/4		1/4			
1/2	1,870.09	1/2	1,561.36	1/2	1,252.52	1/2	945.12	1/2	636.49	1/2	327.66	1/2	23.19	1/2		1/2			
3/4	1,863.66	3/4	1,554.93	3/4	1,246.09	3/4	938.73	3/4	630.05	3/4	321.23	3/4	17.83	3/4		3/4			
4	1,857.23	4	1,548.50	4	1,239.65	4	932.30	4	623.62	4	314.80	4	14.62	4		4			
1/4	1,850.80	1/4	1,542.06	1/4	1,233.22	1/4	925.87	1/4	617.18	1/4	308.36	1/4	11.40	1/4		1/4			
1/2	1,844.37	1/2	1,535.63	1/2	1,226.79	1/2	919.44	1/2	610.75	1/2	301.93	1/2	8.18	1/2		1/2			
3/4	1,837.94	3/4	1,529.19	3/4	1,220.35	3/4	913.01	3/4	604.32	3/4	295.49	3/4	4.97	3/4		3/4			
5	1,831.51	5	1,522.76	5	1,213.92	5	906.58	5	597.88	5	289.06	5	3.89	5		5			
1/4	1,825.08	1/4	1,516.33	1/4	1,207.48	1/4	900.15	1/4	591.45	1/4	282.63	1/4	2.82	1/4		1/4			
1/2	1,818.65	1/2	1,509.89	1/2	1,201.05	1/2	893.72	1/2	585.02	1/2	276.19	1/2	1.75	1/2		1/2			
3/4	1,812.21	3/4	1,503.46	3/4	1,194.62	3/4	887.29	3/4	578.58	3/4	269.76	3/4	0.68	3/4		3/4			
6	1,805.78	6	1,497.02	6	1,188.22	6	880.87	6	572.15	6	263.33	6		6		6			
1/4	1,799.35	1/4	1,490.59	1/4	1,181.82	1/4	874.44	1/4	565.71	1/4	256.89	1/4		1/4		1/4			
1/2	1,792.92	1/2	1,484.15	1/2	1,175.42	1/2	868.01	1/2	559.28	1/2	250.46	1/2		1/2		1/2			
3/4	1,786.49	3/4	1,477.72	3/4	1,169.02	3/4	861.58	3/4	552.85	3/4	244.02	3/4		3/4		3/4			
7	1,780.06	7	1,471.29	7	1,162.63	7	855.15	7	546.41	7	237.59	7		7		7			
1/4	1,773.63	1/4	1,464.85	1/4	1,156.23	1/4	848.72	1/4	539.98	1/4	231.16	1/4		1/4		1/4			
1/2	1,767.20	1/2	1,458.42	1/2	1,149.83	1/2	842.29	1/2	533.54	1/2	224.72	1/2		1/2		1/2			
3/4	1,760.77	3/4	1,451.98	3/4	1,143.43	3/4	835.86	3/4	527.11	3/4	218.29	3/4		3/4		3/4			
8	1,754.34	8	1,445.55	8	1,137.04	8	829.43	8	520.68	8	211.85	8		8		8			
1/4	1,747.91	1/4	1,439.11	1/4	1,130.64	1/4	823.01	1/4	514.24	1/4	205.42	1/4		1/4		1/4			
1/2	1,741.48	1/2	1,432.68	1/2	1,124.24	1/2	816.58	1/2	507.81	1/2	198.99	1/2		1/2		1/2			
3/4	1,735.05	3/4	1,426.25	3/4	1,117.84	3/4	810.15	3/4	501.38	3/4	192.55	3/4		3/4		3/4			
9	1,728.62	9	1,419.81	9	1,111.44	9	803.72	9	494.94	9	186.12	9		9		9			
1/4	1,722.18	1/4	1,413.38	1/4	1,105.05	1/4	797.29	1/4	488.51	1/4	179.69	1/4		1/4		1/4			
1/2	1,715.75	1/2	1,406.94	1/2	1,098.65	1/2	790.86	1/2	482.07	1/2	173.25	1/2		1/2		1/2			
3/4	1,709.32	3/4	1,400.51	3/4	1,092.25	3/4	784.43	3/4	475.64	3/4	166.82	3/4		3/4		3/4			
10	1,702.89	10	1,394.08	10	1,085.85	10	778.00	10	469.21	10	160.39	10		10		10			
1/4	1,696.46	1/4	1,387.64	1/4	1,079.45	1/4	771.58	1/4	462.77	1/4	153.97	1/4		1/4		1/4			
1/2	1,690.03	1/2	1,381.21	1/2	1,073.06	1/2	765.15	1/2	456.34	1/2	147.54	1/2		1/2		1/2			
3/4	1,683.60	3/4	1,374.77	3/4	1,066.66	3/4	758.72	3/4	449.91	3/4	141.11	3/4		3/4		3/4			
11	1,677.17	11	1,368.34	11	1,060.26	11	752.29	11	443.47	11	134.70	11		11		11			
1/4	1,670.74	1/4	1,361.90	1/4	1,053.86	1/4	745.86	1/4	437.04	1/4	128.28	1/4		1/4		1/4			
1/2	1,664.31	1/2	1,355.47	1/2	1,047.47	1/2	739.42	1/2	430.60	1/2	121.87	1/2		1/2		1/2			
3/4	1,657.88	3/4	1,349.04	3/4	1,041.07	3/4	732.99	3/4	424.17	3/4	115.45	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2010 CL - SW  
CALCULATED: 03/23/2010 CL  
PRINTED: 03/23/2010 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2010

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



# BARGE "KIRBY 11010B"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

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	3,932.46	0	3,661.63	0	3,366.89	0	3,072.15	0	2,776.97	0	2,480.83	0	2,184.69		
1/4		1/4		1/4		1/4	3,931.43	1/4	3,655.49	1/4	3,360.75	1/4	3,066.00	1/4	2,770.80	1/4	2,474.66	1/4	2,178.52		
1/2		1/2		1/2		1/2	3,928.35	1/2	3,649.35	1/2	3,354.61	1/2	3,059.86	1/2	2,764.63	1/2	2,468.49	1/2	2,172.36		
3/4		3/4		3/4		3/4	3,925.26	3/4	3,643.21	3/4	3,348.47	3/4	3,053.72	3/4	2,758.46	3/4	2,462.32	3/4	2,166.19		
1		1		1		1	3,922.17	1	3,637.07	1	3,342.33	1	3,047.58	1	2,752.29	1	2,456.15	1	2,160.02		
1/4		1/4		1/4		1/4	3,919.09	1/4	3,630.93	1/4	3,336.19	1/4	3,041.44	1/4	2,746.12	1/4	2,449.98	1/4	2,153.85		
1/2		1/2		1/2		1/2	3,913.94	1/2	3,624.79	1/2	3,330.05	1/2	3,035.30	1/2	2,739.95	1/2	2,443.81	1/2	2,147.68		
3/4		3/4		3/4		3/4	3,908.80	3/4	3,618.65	3/4	3,323.91	3/4	3,029.16	3/4	2,733.78	3/4	2,437.64	3/4	2,141.51		
2		2		2		2	3,903.66	2	3,612.51	2	3,317.77	2	3,023.02	2	2,727.61	2	2,431.47	2	2,135.34		
1/4		1/4		1/4		1/4	3,898.52	1/4	3,606.37	1/4	3,311.62	1/4	3,016.88	1/4	2,721.44	1/4	2,425.30	1/4	2,129.17		
1/2		1/2		1/2		1/2	3,892.52	1/2	3,600.23	1/2	3,305.48	1/2	3,010.74	1/2	2,715.27	1/2	2,419.14	1/2	2,123.00		
3/4		3/4		3/4		3/4	3,886.53	3/4	3,594.09	3/4	3,299.34	3/4	3,004.60	3/4	2,709.10	3/4	2,412.97	3/4	2,116.83		
3		3		3		3	3,880.53	3	3,587.95	3	3,293.20	3	2,998.46	3	2,702.93	3	2,406.80	3	2,110.66		
1/4		1/4		1/4		1/4	3,874.54	1/4	3,581.81	1/4	3,287.06	1/4	2,992.32	1/4	2,696.76	1/4	2,400.63	1/4	2,104.49		
1/2		1/2		1/2		1/2	3,868.50	1/2	3,575.67	1/2	3,280.92	1/2	2,986.18	1/2	2,690.59	1/2	2,394.46	1/2	2,098.32		
3/4		3/4		3/4		3/4	3,862.47	3/4	3,569.53	3/4	3,274.78	3/4	2,980.04	3/4	2,684.42	3/4	2,388.29	3/4	2,092.15		
4		4		4		4	3,856.44	4	3,563.39	4	3,268.64	4	2,973.90	4	2,678.25	4	2,382.12	4	2,085.98		
1/4		1/4		1/4		1/4	3,850.41	1/4	3,557.24	1/4	3,262.50	1/4	2,967.76	1/4	2,672.08	1/4	2,375.95	1/4	2,079.81		
1/2		1/2		1/2		1/2	3,844.37	1/2	3,551.10	1/2	3,256.36	1/2	2,961.62	1/2	2,665.92	1/2	2,369.78	1/2	2,073.64		
3/4		3/4		3/4		3/4	3,838.33	3/4	3,544.96	3/4	3,250.22	3/4	2,955.48	3/4	2,659.75	3/4	2,363.61	3/4	2,067.47		
5		5		5		5	3,832.29	5	3,538.82	5	3,244.08	5	2,949.34	5	2,653.58	5	2,357.44	5	2,061.30		
1/4		1/4		1/4		1/4	3,826.25	1/4	3,532.68	1/4	3,237.94	1/4	2,943.19	1/4	2,647.41	1/4	2,351.27	1/4	2,055.13		
1/2		1/2		1/2		1/2	3,820.21	1/2	3,526.54	1/2	3,231.80	1/2	2,937.05	1/2	2,641.24	1/2	2,345.10	1/2	2,048.97		
3/4		3/4		3/4		3/4	3,814.16	3/4	3,520.40	3/4	3,225.66	3/4	2,930.91	3/4	2,635.07	3/4	2,338.93	3/4	2,042.80		
6		6		6		6	3,808.11	6	3,514.26	6	3,219.52	6	2,924.77	6	2,628.90	6	2,332.76	6	2,036.63		
1/4		1/4		1/4		1/4	3,802.07	1/4	3,508.12	1/4	3,213.38	1/4	2,918.63	1/4	2,622.73	1/4	2,326.59	1/4	2,030.46		
1/2		1/2		1/2		1/2	3,796.03	1/2	3,501.98	1/2	3,207.24	1/2	2,912.49	1/2	2,616.56	1/2	2,320.42	1/2	2,024.29		
3/4		3/4		3/4		3/4	3,789.99	3/4	3,495.84	3/4	3,201.10	3/4	2,906.35	3/4	2,610.39	3/4	2,314.25	3/4	2,018.12		
7		7		7		7	3,783.95	7	3,489.70	7	3,194.96	7	2,900.21	7	2,604.22	7	2,308.08	7	2,011.95		
1/4		1/4		1/4		1/4	3,777.91	1/4	3,483.56	1/4	3,188.81	1/4	2,894.07	1/4	2,598.05	1/4	2,301.91	1/4	2,005.78		
1/2		1/2		1/2		1/2	3,771.86	1/2	3,477.42	1/2	3,182.67	1/2	2,887.93	1/2	2,591.88	1/2	2,295.75	1/2	1,999.61		
3/4		3/4		3/4		3/4	3,765.82	3/4	3,471.28	3/4	3,176.53	3/4	2,881.79	3/4	2,585.71	3/4	2,289.58	3/4	1,993.44		
8		8		8		8	3,759.78	8	3,465.14	8	3,170.39	8	2,875.65	8	2,579.54	8	2,283.41	8	1,987.27		
1/4		1/4		1/4		1/4	3,753.74	1/4	3,459.00	1/4	3,164.25	1/4	2,869.51	1/4	2,573.37	1/4	2,277.24	1/4	1,981.10		
1/2		1/2		1/2		1/2	3,747.60	1/2	3,452.86	1/2	3,158.11	1/2	2,863.34	1/2	2,567.20	1/2	2,271.07	1/2	1,974.93		
3/4		3/4		3/4		3/4	3,741.46	3/4	3,446.72	3/4	3,151.97	3/4	2,857.17	3/4	2,561.03	3/4	2,264.90	3/4	1,968.76		
9		9		9		9	3,735.32	9	3,440.58	9	3,145.83	9	2,851.00	9	2,554.86	9	2,258.73	9	1,962.59		
1/4		1/4		1/4		1/4	3,729.18	1/4	3,434.43	1/4	3,139.69	1/4	2,844.83	1/4	2,548.69	1/4	2,252.56	1/4	1,956.42		
1/2		1/2		1/2		1/2	3,723.04	1/2	3,428.29	1/2	3,133.55	1/2	2,838.66	1/2	2,542.53	1/2	2,246.39	1/2	1,950.25		
3/4		3/4		3/4		3/4	3,716.90	3/4	3,422.15	3/4	3,127.41	3/4	2,832.49	3/4	2,536.36	3/4	2,240.22	3/4	1,944.08		
10		10		10		10	3,710.76	10	3,416.01	10	3,121.27	10	2,826.32	10	2,530.19	10	2,234.05	10	1,937.91		
1/4		1/4		1/4		1/4	3,704.62	1/4	3,409.87	1/4	3,115.13	1/4	2,820.15	1/4	2,524.02	1/4	2,227.88	1/4	1,931.74		
1/2		1/2		1/2		1/2	3,698.48	1/2	3,403.73	1/2	3,108.99	1/2	2,813.98	1/2	2,517.85	1/2	2,221.71	1/2	1,925.58		
3/4		3/4		3/4		3/4	3,692.34	3/4	3,397.59	3/4	3,102.85	3/4	2,807.81	3/4	2,511.68	3/4	2,215.54	3/4	1,919.41		
11		11		11		11	3,686.20	11	3,391.45	11	3,096.71	11	2,801.64	11	2,505.51	11	2,209.37	11	1,913.24		
1/4		1/4		1/4		1/4	3,935.55	1/4	3,680.05	1/4	3,385.31	1/4	3,090.57	1/4	2,795.47	1/4	2,499.34	1/4	2,203.20	1/4	1,907.07
1/2		1/2		1/2		1/2	3,934.52	1/2	3,673.91	1/2	3,379.17	1/2	3,084.43	1/2	2,789.31	1/2	2,493.17	1/2	2,197.03	1/2	1,900.90
3/4		3/4		3/4		3/4	3,933.49	3/4	3,667.77	3/4	3,373.03	3/4	3,078.29	3/4	2,783.14	3/4	2,487.00	3/4	2,190.86	3/4	1,894.73

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 ON CENTERLINE AND 32'-09" FORWARD OF AFT BULKHEAD.

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



# BARGE "KIRBY 11010B"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,888.56	0	1,592.42	0	1,296.11	0	1,001.58	0	709.40	0	413.16	0	116.95	0		0		0	
1/4	1,882.39	1/4	1,586.25	1/4	1,289.94	1/4	995.50	1/4	703.27	1/4	406.98	1/4	110.80	1/4		1/4		1/4	
1/2	1,876.22	1/2	1,580.08	1/2	1,283.77	1/2	989.41	1/2	697.10	1/2	400.81	1/2	104.66	1/2		1/2		1/2	
3/4	1,870.05	3/4	1,573.91	3/4	1,277.59	3/4	983.32	3/4	690.93	3/4	394.64	3/4	98.53	3/4		3/4		3/4	
1	1,863.88	1	1,567.73	1	1,271.42	1	977.23	1	684.75	1	388.46	1	92.40	1		1		1	
1/4	1,857.71	1/4	1,561.56	1/4	1,265.25	1/4	971.14	1/4	678.58	1/4	382.29	1/4	86.26	1/4		1/4		1/4	
1/2	1,851.54	1/2	1,555.39	1/2	1,259.07	1/2	965.05	1/2	672.41	1/2	376.12	1/2	80.16	1/2		1/2		1/2	
3/4	1,845.37	3/4	1,549.21	3/4	1,252.90	3/4	958.97	3/4	666.24	3/4	369.95	3/4	74.06	3/4		3/4		3/4	
2	1,839.20	2	1,543.04	2	1,246.73	2	952.88	2	660.06	2	363.77	2	67.96	2		2		2	
1/4	1,833.03	1/4	1,536.87	1/4	1,240.55	1/4	946.79	1/4	653.89	1/4	357.60	1/4	61.86	1/4		1/4		1/4	
1/2	1,826.86	1/2	1,530.69	1/2	1,234.38	1/2	940.70	1/2	647.72	1/2	351.43	1/2	55.81	1/2		1/2		1/2	
3/4	1,820.69	3/4	1,524.52	3/4	1,228.21	3/4	934.61	3/4	641.55	3/4	345.26	3/4	49.77	3/4		3/4		3/4	
3	1,814.52	3	1,518.35	3	1,222.03	3	928.52	3	635.37	3	339.08	3	43.72	3		3		3	
1/4	1,808.35	1/4	1,512.17	1/4	1,215.86	1/4	922.44	1/4	629.20	1/4	332.91	1/4	37.68	1/4		1/4		1/4	
1/2	1,802.19	1/2	1,506.00	1/2	1,209.69	1/2	916.35	1/2	623.03	1/2	326.74	1/2	32.54	1/2		1/2		1/2	
3/4	1,796.02	3/4	1,499.83	3/4	1,203.51	3/4	910.27	3/4	616.85	3/4	320.57	3/4	27.41	3/4		3/4		3/4	
4	1,789.85	4	1,493.65	4	1,197.34	4	904.19	4	610.68	4	314.39	4	22.27	4		4		4	
1/4	1,783.68	1/4	1,487.48	1/4	1,191.17	1/4	898.10	1/4	604.51	1/4	308.22	1/4	17.14	1/4		1/4		1/4	
1/2	1,777.51	1/2	1,481.31	1/2	1,184.99	1/2	892.02	1/2	598.34	1/2	302.05	1/2	14.05	1/2		1/2		1/2	
3/4	1,771.34	3/4	1,475.14	3/4	1,178.82	3/4	885.94	3/4	592.16	3/4	295.87	3/4	10.97	3/4		3/4		3/4	
5	1,765.17	5	1,468.96	5	1,172.65	5	879.86	5	585.99	5	289.70	5	7.88	5		5		5	
1/4	1,759.00	1/4	1,462.79	1/4	1,166.48	1/4	873.77	1/4	579.82	1/4	283.53	1/4	4.79	1/4		1/4		1/4	
1/2	1,752.83	1/2	1,456.62	1/2	1,160.30	1/2	867.69	1/2	573.65	1/2	277.36	1/2	3.76	1/2		1/2		1/2	
3/4	1,746.66	3/4	1,450.44	3/4	1,154.13	3/4	861.61	3/4	567.47	3/4	271.18	3/4	2.74	3/4		3/4		3/4	
6	1,740.49	6	1,444.27	6	1,147.96	6	855.52	6	561.30	6	265.01	6	1.71	6		6		6	
1/4	1,734.32	1/4	1,438.10	1/4	1,141.78	1/4	849.44	1/4	555.13	1/4	258.84	1/4	0.68	1/4		1/4		1/4	
1/2	1,728.15	1/2	1,431.92	1/2	1,135.65	1/2	843.36	1/2	548.95	1/2	252.67	1/2		1/2		1/2		1/2	
3/4	1,721.98	3/4	1,425.75	3/4	1,129.52	3/4	837.28	3/4	542.78	3/4	246.49	3/4		3/4		3/4		3/4	
7	1,715.81	7	1,419.58	7	1,123.39	7	831.19	7	536.61	7	240.32	7		7		7		7	
1/4	1,709.64	1/4	1,413.40	1/4	1,117.26	1/4	825.11	1/4	530.44	1/4	234.15	1/4		1/4		1/4		1/4	
1/2	1,703.47	1/2	1,407.23	1/2	1,111.17	1/2	819.03	1/2	524.26	1/2	227.97	1/2		1/2		1/2		1/2	
3/4	1,697.30	3/4	1,401.06	3/4	1,105.08	3/4	812.94	3/4	518.09	3/4	221.80	3/4		3/4		3/4		3/4	
8	1,691.13	8	1,394.88	8	1,099.00	8	806.86	8	511.92	8	215.63	8		8		8		8	
1/4	1,684.96	1/4	1,388.71	1/4	1,092.91	1/4	800.78	1/4	505.75	1/4	209.46	1/4		1/4		1/4		1/4	
1/2	1,678.80	1/2	1,382.54	1/2	1,086.82	1/2	794.69	1/2	499.57	1/2	203.28	1/2		1/2		1/2		1/2	
3/4	1,672.63	3/4	1,376.36	3/4	1,080.73	3/4	788.61	3/4	493.40	3/4	197.11	3/4		3/4		3/4		3/4	
9	1,666.46	9	1,370.19	9	1,074.64	9	782.53	9	487.23	9	190.94	9		9		9		9	
1/4	1,660.29	1/4	1,364.02	1/4	1,068.55	1/4	776.45	1/4	481.06	1/4	184.77	1/4		1/4		1/4		1/4	
1/2	1,654.12	1/2	1,357.84	1/2	1,062.47	1/2	770.36	1/2	474.88	1/2	178.59	1/2		1/2		1/2		1/2	
3/4	1,647.95	3/4	1,351.67	3/4	1,056.38	3/4	764.28	3/4	468.71	3/4	172.42	3/4		3/4		3/4		3/4	
10	1,641.78	10	1,345.50	10	1,050.29	10	758.20	10	462.54	10	166.25	10		10		10		10	
1/4	1,635.61	1/4	1,339.32	1/4	1,044.20	1/4	752.11	1/4	456.36	1/4	160.08	1/4		1/4		1/4		1/4	
1/2	1,629.44	1/2	1,333.15	1/2	1,038.11	1/2	746.03	1/2	450.19	1/2	153.91	1/2		1/2		1/2		1/2	
3/4	1,623.27	3/4	1,326.98	3/4	1,032.03	3/4	739.95	3/4	444.02	3/4	147.74	3/4		3/4		3/4		3/4	
11	1,617.10	11	1,320.81	11	1,025.94	11	733.87	11	437.85	11	141.58	11		11		11		11	
1/4	1,610.93	1/4	1,314.63	1/4	1,019.85	1/4	727.79	1/4	431.67	1/4	135.41	1/4		1/4		1/4		1/4	
1/2	1,604.76	1/2	1,308.46	1/2	1,013.76	1/2	721.66	1/2	425.50	1/2	129.26	1/2		1/2		1/2		1/2	
3/4	1,598.59	3/4	1,302.29	3/4	1,007.67	3/4	715.53	3/4	419.33	3/4	123.10	3/4		3/4		3/4		3/4	

STRAPPED: 03/23/2010 CL - SW  
CALCULATED: 03/23/2010 CL  
PRINTED: 03/23/2010 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2010

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 11010B"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	3,531.09	0	3,338.15	0	3,144.23	0	2,950.32	0	2,737.61	0	2,445.18	0	2,152.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,528.02	1/4	3,334.11	1/4	3,140.19	1/4	2,946.28	1/4	2,731.52	1/4	2,439.08	1/4	2,145.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,524.96	1/2	3,330.07	1/2	3,136.15	1/2	2,942.24	1/2	2,725.44	1/2	2,432.97	1/2	2,139.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,521.89	3/4	3,326.03	3/4	3,132.11	3/4	2,938.20	3/4	2,719.35	3/4	2,426.86	3/4	2,133.78
1		1		1		1	3,516.78	1	3,321.99	1	3,128.07	1	2,934.16	1	2,713.26	1	2,420.76	1	2,127.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,511.68	1/4	3,317.95	1/4	3,124.03	1/4	2,930.12	1/4	2,707.17	1/4	2,414.65	1/4	2,121.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,506.57	1/2	3,313.91	1/2	3,119.99	1/2	2,926.08	1/2	2,701.09	1/2	2,408.55	1/2	2,115.46
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,501.46	3/4	3,309.87	3/4	3,115.95	3/4	2,922.04	3/4	2,695.00	3/4	2,402.44	3/4	2,109.36
2		2		2		2	3,497.56	2	3,305.83	2	3,111.91	2	2,918.00	2	2,688.91	2	2,396.33	2	2,103.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,493.65	1/4	3,301.79	1/4	3,107.87	1/4	2,913.96	1/4	2,682.83	1/4	2,390.23	1/4	2,097.15
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,489.74	1/2	3,297.75	1/2	3,103.83	1/2	2,909.92	1/2	2,676.74	1/2	2,384.12	1/2	2,091.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,485.84	3/4	3,293.71	3/4	3,099.79	3/4	2,905.88	3/4	2,670.65	3/4	2,378.02	3/4	2,084.93
3		3		3		3	3,481.90	3	3,289.67	3	3,095.75	3	2,901.84	3	2,664.56	3	2,371.91	3	2,078.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,477.96	1/4	3,285.63	1/4	3,091.71	1/4	2,897.80	1/4	2,658.48	1/4	2,365.81	1/4	2,072.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,474.02	1/2	3,281.59	1/2	3,087.67	1/2	2,893.76	1/2	2,652.39	1/2	2,359.70	1/2	2,066.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,470.07	3/4	3,277.55	3/4	3,083.63	3/4	2,889.72	3/4	2,646.30	3/4	2,353.59	3/4	2,060.51
4		4		4		4	3,466.12	4	3,273.51	4	3,079.59	4	2,885.68	4	2,640.22	4	2,347.49	4	2,054.40
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,462.17	1/4	3,269.47	1/4	3,075.55	1/4	2,881.64	1/4	2,634.13	1/4	2,341.38	1/4	2,048.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,458.21	1/2	3,265.43	1/2	3,071.51	1/2	2,877.60	1/2	2,628.04	1/2	2,335.28	1/2	2,042.19
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,454.26	3/4	3,261.39	3/4	3,067.47	3/4	2,873.56	3/4	2,621.95	3/4	2,329.17	3/4	2,036.09
5		5		5		5	3,450.31	5	3,257.35	5	3,063.43	5	2,869.52	5	2,615.87	5	2,323.06	5	2,029.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,446.35	1/4	3,253.31	1/4	3,059.39	1/4	2,865.48	1/4	2,609.78	1/4	2,316.96	1/4	2,023.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,442.39	1/2	3,249.27	1/2	3,055.35	1/2	2,861.44	1/2	2,603.69	1/2	2,310.85	1/2	2,017.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,438.44	3/4	3,245.23	3/4	3,051.31	3/4	2,857.40	3/4	2,597.61	3/4	2,304.75	3/4	2,011.66
6		6		6		6	3,434.49	6	3,241.19	6	3,047.27	6	2,853.36	6	2,591.52	6	2,298.64	6	2,005.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,430.54	1/4	3,237.15	1/4	3,043.23	1/4	2,849.32	1/4	2,585.43	1/4	2,292.53	1/4	1,999.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,426.58	1/2	3,233.11	1/2	3,039.19	1/2	2,845.28	1/2	2,579.34	1/2	2,286.43	1/2	1,993.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,422.63	3/4	3,229.07	3/4	3,035.15	3/4	2,841.24	3/4	2,573.26	3/4	2,280.32	3/4	1,987.24
7		7		7		7	3,418.68	7	3,225.03	7	3,031.11	7	2,837.20	7	2,567.17	7	2,274.22	7	1,981.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,414.73	1/4	3,220.99	1/4	3,027.07	1/4	2,833.16	1/4	2,561.08	1/4	2,268.11	1/4	1,975.03
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,410.78	1/2	3,216.95	1/2	3,023.03	1/2	2,829.12	1/2	2,554.99	1/2	2,262.01	1/2	1,968.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,406.82	3/4	3,212.91	3/4	3,018.99	3/4	2,825.08	3/4	2,548.91	3/4	2,255.90	3/4	1,962.82
8		8		8		8	3,402.78	8	3,208.87	8	3,014.95	8	2,821.01	8	2,542.82	8	2,249.79	8	1,956.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,398.74	1/4	3,204.83	1/4	3,010.91	1/4	2,816.95	1/4	2,536.73	1/4	2,243.69	1/4	1,950.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,394.70	1/2	3,200.79	1/2	3,006.87	1/2	2,812.88	1/2	2,530.65	1/2	2,237.58	1/2	1,944.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,390.66	3/4	3,196.75	3/4	3,002.83	3/4	2,808.82	3/4	2,524.56	3/4	2,231.48	3/4	1,938.39
9		9		9		9	3,386.62	9	3,192.71	9	2,998.79	9	2,804.75	9	2,518.45	9	2,225.37	9	1,932.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,382.59	1/4	3,188.67	1/4	2,994.75	1/4	2,800.69	1/4	2,512.35	1/4	2,219.26	1/4	1,926.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,378.55	1/2	3,184.63	1/2	2,990.71	1/2	2,796.63	1/2	2,506.24	1/2	2,213.16	1/2	1,920.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,374.51	3/4	3,180.59	3/4	2,986.67	3/4	2,792.56	3/4	2,500.14	3/4	2,207.05	3/4	1,913.97
10		10		10		10	3,370.47	10	3,176.55	10	2,982.63	10	2,788.43	10	2,494.03	10	2,200.95	10	1,907.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,366.43	1/4	3,172.51	1/4	2,978.59	1/4	2,784.30	1/4	2,487.92	1/4	2,194.84	1/4	1,901.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,362.39	1/2	3,168.47	1/2	2,974.56	1/2	2,774.18	1/2	2,481.82	1/2	2,188.73	1/2	1,895.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,538.24	3/4	3,358.35	3/4	3,164.43	3/4	2,970.52	3/4	2,768.05	3/4	2,475.71	3/4	2,182.63
11		11		11		11	3,537.22	11	3,354.31	11	2,966.48	11	2,761.96	11	2,469.61	11	2,176.52	11	1,883.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,536.20	1/4	3,350.27	1/4	3,156.35	1/4	2,962.44	1/4	2,755.87	1/4	2,463.50	1/4	2,170.42
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,535.17	1/2	3,346.23	1/2	3,152.31	1/2	2,958.40	1/2	2,749.79	1/2	2,457.39	1/2	2,164.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,534.15	3/4	3,342.19	3/4	3,148.27	3/4	2,954.36	3/4	2,743.70	3/4	2,451.29	3/4	2,158.20

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 ON CENTERLINE AND 31'-09" FORWARD OF AFT BULKHEAD.

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



# BARGE "KIRBY 11010B"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,859.02	0	1,565.68	0	1,272.19	0	978.70	0	691.26	0	397.62	0	103.95	0		0		0	
1/4	1,852.91	1/4	1,559.57	1/4	1,266.08	1/4	972.58	1/4	685.16	1/4	391.50	1/4	97.86	1/4	1/4	1/4		1/4	
1/2	1,846.80	1/2	1,553.45	1/2	1,259.96	1/2	966.47	1/2	679.06	1/2	385.38	1/2	91.77	1/2	1/2	1/2		1/2	
3/4	1,840.70	3/4	1,547.34	3/4	1,253.85	3/4	960.36	3/4	672.96	3/4	379.26	3/4	85.68	3/4	3/4	3/4		3/4	
1	1,834.59	1	1,541.22	1	1,247.73	1	954.30	1	666.84	1	373.14	1	79.62	1	1	1		1	
1/4	1,828.49	1/4	1,535.11	1/4	1,241.62	1/4	948.25	1/4	660.72	1/4	367.02	1/4	73.56	1/4	1/4	1/4		1/4	
1/2	1,822.38	1/2	1,529.00	1/2	1,235.50	1/2	942.20	1/2	654.60	1/2	360.90	1/2	67.50	1/2	1/2	1/2		1/2	
3/4	1,816.27	3/4	1,522.88	3/4	1,229.39	3/4	936.15	3/4	648.48	3/4	354.79	3/4	61.44	3/4	3/4	3/4		3/4	
2	1,810.17	2	1,516.77	2	1,223.28	2	930.16	2	642.37	2	348.67	2	55.43	2	2	2		2	
1/4	1,804.06	1/4	1,510.65	1/4	1,217.16	1/4	924.17	1/4	636.25	1/4	342.55	1/4	49.43	1/4	1/4	1/4		1/4	
1/2	1,797.96	1/2	1,504.54	1/2	1,211.05	1/2	918.18	1/2	630.13	1/2	336.43	1/2	43.43	1/2	1/2	1/2		1/2	
3/4	1,791.85	3/4	1,498.42	3/4	1,204.93	3/4	912.20	3/4	624.01	3/4	330.31	3/4	37.42	3/4	3/4	3/4		3/4	
3	1,785.74	3	1,492.31	3	1,198.82	3	906.21	3	617.89	3	324.19	3	32.32	3	3	3		3	
1/4	1,779.62	1/4	1,486.19	1/4	1,192.70	1/4	900.22	1/4	611.78	1/4	318.07	1/4	27.22	1/4	1/4	1/4		1/4	
1/2	1,773.51	1/2	1,480.08	1/2	1,186.59	1/2	894.23	1/2	605.66	1/2	311.95	1/2	22.12	1/2	1/2	1/2		1/2	
3/4	1,767.39	3/4	1,473.97	3/4	1,180.47	3/4	888.25	3/4	599.54	3/4	305.84	3/4	17.02	3/4	3/4	3/4		3/4	
4	1,761.28	4	1,467.85	4	1,174.36	4	882.27	4	593.42	4	299.72	4	13.96	4	4	4		4	
1/4	1,755.16	1/4	1,461.74	1/4	1,168.25	1/4	876.30	1/4	587.30	1/4	293.60	1/4	10.89	1/4	1/4	1/4		1/4	
1/2	1,749.05	1/2	1,455.62	1/2	1,162.13	1/2	870.33	1/2	581.18	1/2	287.48	1/2	7.83	1/2	1/2	1/2		1/2	
3/4	1,742.94	3/4	1,449.51	3/4	1,156.02	3/4	864.36	3/4	575.06	3/4	281.36	3/4	4.76	3/4	3/4	3/4		3/4	
5	1,736.82	5	1,443.39	5	1,149.90	5	858.40	5	568.94	5	275.24	5	3.74	5	5	5		5	
1/4	1,730.71	1/4	1,437.28	1/4	1,143.79	1/4	852.45	1/4	562.83	1/4	269.12	1/4	2.72	1/4	1/4	1/4		1/4	
1/2	1,724.59	1/2	1,431.16	1/2	1,137.67	1/2	846.49	1/2	556.71	1/2	263.00	1/2	1.70	1/2	1/2	1/2		1/2	
3/4	1,718.48	3/4	1,425.05	3/4	1,131.56	3/4	840.54	3/4	550.59	3/4	256.89	3/4	0.68	3/4	3/4	3/4		3/4	
6	1,712.37	6	1,418.94	6	1,125.44	6	834.58	6	544.47	6	250.77	6		6	6	6		6	
1/4	1,706.25	1/4	1,412.82	1/4	1,119.33	1/4	828.63	1/4	538.35	1/4	244.65	1/4		1/4	1/4	1/4		1/4	
1/2	1,700.14	1/2	1,406.71	1/2	1,113.22	1/2	822.67	1/2	532.23	1/2	238.53	1/2		1/2	1/2	1/2		1/2	
3/4	1,694.03	3/4	1,400.59	3/4	1,107.10	3/4	816.72	3/4	526.11	3/4	232.41	3/4		3/4	3/4	3/4		3/4	
7	1,687.92	7	1,394.48	7	1,100.99	7	810.76	7	519.99	7	226.29	7		7	7	7		7	
1/4	1,681.80	1/4	1,388.36	1/4	1,094.87	1/4	804.81	1/4	513.87	1/4	220.17	1/4		1/4	1/4	1/4		1/4	
1/2	1,675.69	1/2	1,382.25	1/2	1,088.76	1/2	798.85	1/2	507.76	1/2	214.05	1/2		1/2	1/2	1/2		1/2	
3/4	1,669.58	3/4	1,376.14	3/4	1,082.64	3/4	792.90	3/4	501.64	3/4	207.93	3/4		3/4	3/4	3/4		3/4	
8	1,663.47	8	1,370.02	8	1,076.53	8	786.94	8	495.52	8	201.82	8		8	8	8		8	
1/4	1,657.36	1/4	1,363.91	1/4	1,070.42	1/4	780.99	1/4	489.40	1/4	195.70	1/4		1/4	1/4	1/4		1/4	
1/2	1,651.25	1/2	1,357.79	1/2	1,064.30	1/2	775.03	1/2	483.28	1/2	189.58	1/2		1/2	1/2	1/2		1/2	
3/4	1,645.14	3/4	1,351.68	3/4	1,058.19	3/4	769.08	3/4	477.16	3/4	183.46	3/4		3/4	3/4	3/4		3/4	
9	1,639.02	9	1,345.56	9	1,052.07	9	763.12	9	471.04	9	177.34	9		9	9	9		9	
1/4	1,632.91	1/4	1,339.45	1/4	1,045.96	1/4	757.17	1/4	464.92	1/4	171.22	1/4		1/4	1/4	1/4		1/4	
1/2	1,626.80	1/2	1,333.33	1/2	1,039.84	1/2	751.21	1/2	458.81	1/2	165.10	1/2		1/2	1/2	1/2		1/2	
3/4	1,620.69	3/4	1,327.22	3/4	1,033.73	3/4	745.26	3/4	452.69	3/4	158.99	3/4		3/4	3/4	3/4		3/4	
10	1,614.58	10	1,321.11	10	1,027.61	10	739.30	10	446.57	10	152.86	10		10	10	10		10	
1/4	1,608.47	1/4	1,314.99	1/4	1,021.50	1/4	733.34	1/4	440.45	1/4	146.74	1/4		1/4	1/4	1/4		1/4	
1/2	1,602.35	1/2	1,308.88	1/2	1,015.39	1/2	727.39	1/2	434.33	1/2	140.61	1/2		1/2	1/2	1/2		1/2	
3/4	1,596.24	3/4	1,302.76	3/4	1,009.27	3/4	721.43	3/4	428.21	3/4	134.49	3/4		3/4	3/4	3/4		3/4	
11	1,590.13	11	1,296.65	11	1,003.16	11	715.42	11	422.09	11	128.38	11		11	11	11		11	
1/4	1,584.02	1/4	1,290.53	1/4	997.04	1/4	709.40	1/4	415.97	1/4	122.27	1/4		1/4	1/4	1/4		1/4	
1/2	1,577.91	1/2	1,284.42	1/2	990.93	1/2	703.38	1/2	409.86	1/2	116.15	1/2		1/2	1/2	1/2		1/2	
3/4	1,571.80	3/4	1,278.30	3/4	984.81	3/4	697.36	3/4	403.74	3/4	110.04	3/4		3/4	3/4	3/4		3/4	

STRAPPED: 03/23/2010 CL - SW  
CALCULATED: 03/23/2010 CL  
PRINTED: 03/23/2010 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/23/2010

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
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<http://www.pmacorp.net>