



# BARGE "KIRBY 11011B"

## 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	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8
2 CENTER	00-1/8	- 00-1/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-3/4	- 00-3/4	00-7/8	- 00-7/8	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"

April 1, 2010

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

<http://www.pmacorp.net>



# BARGE "KIRBY 11011B"

## 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	2,558.58	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	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	3/4	1,992.27		
11		11		11		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'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77568  
<http://www.pmacorp.net>



# BARGE "KIRBY 11011B"

## 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		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		1/4	
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		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		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	
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		1/4	
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		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		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		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		1/4	
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		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		3/4	
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		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		1/4	
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		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		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		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		1/4	
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		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		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		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		1/4	
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		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		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		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		1/4	
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		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		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		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		1/4	
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		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		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		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		1/4	
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		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		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		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		1/4	
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		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		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		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		1/4	
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		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		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		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		1/4	
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		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		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/31/2010 CL - SW  
CALCULATED: 04/01/2010 CL  
PRINTED: 04/01/2010 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2010

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





# BARGE "KIRBY 11011B"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	3,927.49	0	3,645.28	0	3,350.37	0	3,055.46	0	2,760.02	0	2,463.72	0	2,167.41
1/4		1/4		1/4		1/4	3,924.40	1/4	3,639.14	1/4	3,344.22	1/4	3,049.31	1/4	2,753.85	1/4	2,457.55	1/4	2,161.24
1/2		1/2		1/2		1/2	3,921.31	1/2	3,632.99	1/2	3,338.08	1/2	3,043.17	1/2	2,747.68	1/2	2,451.37	1/2	2,155.07
3/4		3/4		3/4		3/4	3,916.16	3/4	3,626.85	3/4	3,331.94	3/4	3,037.02	3/4	2,741.50	3/4	2,445.20	3/4	2,148.90
1		1		1		1	3,911.02	1	3,620.70	1	3,325.79	1	3,030.88	1	2,735.33	1	2,439.03	1	2,142.72
1/4		1/4		1/4		1/4	3,905.87	1/4	3,614.56	1/4	3,319.65	1/4	3,024.74	1/4	2,729.16	1/4	2,432.85	1/4	2,136.55
1/2		1/2		1/2		1/2	3,900.73	1/2	3,608.42	1/2	3,313.50	1/2	3,018.59	1/2	2,722.98	1/2	2,426.68	1/2	2,130.38
3/4		3/4		3/4		3/4	3,894.73	3/4	3,602.27	3/4	3,307.36	3/4	3,012.45	3/4	2,716.81	3/4	2,420.51	3/4	2,124.20
2		2		2		2	3,888.73	2	3,596.13	2	3,301.22	2	3,006.30	2	2,710.64	2	2,414.33	2	2,118.03
1/4		1/4		1/4		1/4	3,882.73	1/4	3,589.98	1/4	3,295.07	1/4	3,000.16	1/4	2,704.47	1/4	2,408.16	1/4	2,111.86
1/2		1/2		1/2		1/2	3,876.73	1/2	3,583.84	1/2	3,288.93	1/2	2,994.02	1/2	2,698.29	1/2	2,401.99	1/2	2,105.68
3/4		3/4		3/4		3/4	3,870.70	3/4	3,577.70	3/4	3,282.78	3/4	2,987.87	3/4	2,692.12	3/4	2,395.82	3/4	2,099.51
3		3		3		3	3,864.67	3	3,571.55	3	3,276.64	3	2,981.73	3	2,685.95	3	2,389.64	3	2,093.34
1/4		1/4		1/4		1/4	3,858.63	1/4	3,565.41	1/4	3,270.50	1/4	2,975.58	1/4	2,679.77	1/4	2,383.47	1/4	2,087.17
1/2		1/2		1/2		1/2	3,852.60	1/2	3,559.26	1/2	3,264.35	1/2	2,969.44	1/2	2,673.60	1/2	2,377.30	1/2	2,080.99
3/4		3/4		3/4		3/4	3,846.55	3/4	3,553.12	3/4	3,258.21	3/4	2,963.30	3/4	2,667.43	3/4	2,371.12	3/4	2,074.82
4		4		4		4	3,840.51	4	3,546.98	4	3,252.06	4	2,957.15	4	2,661.25	4	2,364.95	4	2,068.65
1/4		1/4		1/4		1/4	3,834.47	1/4	3,540.83	1/4	3,245.92	1/4	2,951.01	1/4	2,655.08	1/4	2,358.78	1/4	2,062.47
1/2		1/2		1/2		1/2	3,828.42	1/2	3,534.69	1/2	3,239.78	1/2	2,944.86	1/2	2,648.91	1/2	2,352.60	1/2	2,056.30
3/4		3/4		3/4		3/4	3,822.37	3/4	3,528.54	3/4	3,233.63	3/4	2,938.72	3/4	2,642.74	3/4	2,346.43	3/4	2,050.13
5		5		5		5	3,816.32	5	3,522.40	5	3,227.49	5	2,932.58	5	2,636.56	5	2,340.26	5	2,043.95
1/4		1/4		1/4		1/4	3,810.28	1/4	3,516.26	1/4	3,221.34	1/4	2,926.43	1/4	2,630.39	1/4	2,334.09	1/4	2,037.78
1/2		1/2		1/2		1/2	3,804.23	1/2	3,510.11	1/2	3,215.20	1/2	2,920.29	1/2	2,624.22	1/2	2,327.91	1/2	2,031.61
3/4		3/4		3/4		3/4	3,798.18	3/4	3,503.97	3/4	3,209.06	3/4	2,914.14	3/4	2,618.04	3/4	2,321.74	3/4	2,025.44
6		6		6		6	3,792.14	6	3,497.82	6	3,202.91	6	2,908.00	6	2,611.87	6	2,315.57	6	2,019.26
1/4		1/4		1/4		1/4	3,786.09	1/4	3,491.68	1/4	3,196.77	1/4	2,901.86	1/4	2,605.70	1/4	2,309.39	1/4	2,013.09
1/2		1/2		1/2		1/2	3,780.05	1/2	3,485.54	1/2	3,190.62	1/2	2,895.71	1/2	2,599.52	1/2	2,303.22	1/2	2,006.92
3/4		3/4		3/4		3/4	3,774.01	3/4	3,479.39	3/4	3,184.48	3/4	2,889.57	3/4	2,593.35	3/4	2,297.05	3/4	2,000.74
7		7		7		7	3,767.96	7	3,473.25	7	3,178.34	7	2,883.42	7	2,587.18	7	2,290.87	7	1,994.57
1/4		1/4		1/4		1/4	3,761.92	1/4	3,467.10	1/4	3,172.19	1/4	2,877.28	1/4	2,581.01	1/4	2,284.70	1/4	1,988.40
1/2		1/2		1/2		1/2	3,755.87	1/2	3,460.96	1/2	3,166.05	1/2	2,871.14	1/2	2,574.83	1/2	2,278.53	1/2	1,982.22
3/4		3/4		3/4		3/4	3,749.73	3/4	3,454.82	3/4	3,159.90	3/4	2,864.96	3/4	2,568.66	3/4	2,272.36	3/4	1,976.05
8		8		8		8	3,743.58	8	3,448.67	8	3,153.76	8	2,858.79	8	2,562.49	8	2,266.18	8	1,969.88
1/4		1/4		1/4		1/4	3,737.44	1/4	3,442.53	1/4	3,147.62	1/4	2,852.62	1/4	2,556.31	1/4	2,260.01	1/4	1,963.71
1/2		1/2		1/2		1/2	3,731.30	1/2	3,436.38	1/2	3,141.47	1/2	2,846.44	1/2	2,550.14	1/2	2,253.84	1/2	1,957.53
3/4		3/4		3/4		3/4	3,725.15	3/4	3,430.24	3/4	3,135.33	3/4	2,840.27	3/4	2,543.97	3/4	2,247.66	3/4	1,951.36
9		9		9		9	3,719.01	9	3,424.10	9	3,129.18	9	2,834.10	9	2,537.79	9	2,241.49	9	1,945.19
1/4		1/4		1/4		1/4	3,712.86	1/4	3,417.95	1/4	3,123.04	1/4	2,827.93	1/4	2,531.62	1/4	2,235.32	1/4	1,939.01
1/2		1/2		1/2		1/2	3,706.72	1/2	3,411.81	1/2	3,116.90	1/2	2,821.75	1/2	2,525.45	1/2	2,229.14	1/2	1,932.84
3/4		3/4		3/4		3/4	3,700.58	3/4	3,405.66	3/4	3,110.75	3/4	2,815.58	3/4	2,519.28	3/4	2,222.97	3/4	1,926.67
10		10		10		10	3,694.43	10	3,399.52	10	3,104.61	10	2,809.41	10	2,513.10	10	2,216.80	10	1,920.49
1/4		1/4		1/4		1/4	3,688.29	1/4	3,393.38	1/4	3,098.46	1/4	2,803.23	1/4	2,506.93	1/4	2,210.63	1/4	1,914.32
1/2		1/2		1/2		1/2	3,682.14	1/2	3,387.23	1/2	3,092.32	1/2	2,797.06	1/2	2,500.76	1/2	2,204.45	1/2	1,908.15
3/4		3/4		3/4		3/4	3,676.00	3/4	3,381.09	3/4	3,086.18	3/4	2,790.89	3/4	2,494.58	3/4	2,198.28	3/4	1,901.98
11		11		11	3,935.72	11	3,669.86	11	3,374.94	11	3,080.03	11	2,784.71	11	2,488.41	11	2,192.11	11	1,895.80
1/4		1/4		1/4	3,934.69	1/4	3,663.71	1/4	3,368.80	1/4	3,073.89	1/4	2,778.54	1/4	2,482.24	1/4	2,185.93	1/4	1,889.63
1/2		1/2		1/2	3,933.66	1/2	3,657.57	1/2	3,362.66	1/2	3,067.74	1/2	2,772.37	1/2	2,476.06	1/2	2,179.76	1/2	1,883.46
3/4		3/4		3/4	3,930.57	3/4	3,651.42	3/4	3,356.51	3/4	3,061.60	3/4	2,766.20	3/4	2,469.89	3/4	2,173.59	3/4	1,877.28

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'-06" FORWARD OF AFT BULKHEAD.

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





# BARGE "KIRBY 11011B"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,871.11	0	1,574.80	0	1,278.32	0	983.88	0	691.32	0	394.86	0	98.59	0		0			
1/4	1,864.94	1/4	1,568.62	1/4	1,272.14	1/4	977.78	1/4	685.14	1/4	388.69	1/4	92.45	1/4		1/4			
1/2	1,858.76	1/2	1,562.45	1/2	1,265.96	1/2	971.69	1/2	678.97	1/2	382.51	1/2	86.31	1/2		1/2			
3/4	1,852.59	3/4	1,556.27	3/4	1,259.79	3/4	965.60	3/4	672.79	3/4	376.33	3/4	80.21	3/4		3/4			
1	1,846.42	1	1,550.09	1	1,253.61	1	959.51	1	666.61	1	370.16	1	74.10	1		1			
1/4	1,840.25	1/4	1,543.92	1/4	1,247.43	1/4	953.42	1/4	660.44	1/4	363.98	1/4	68.00	1/4		1/4			
1/2	1,834.07	1/2	1,537.74	1/2	1,241.26	1/2	947.32	1/2	654.26	1/2	357.80	1/2	61.89	1/2		1/2			
3/4	1,827.90	3/4	1,531.56	3/4	1,235.08	3/4	941.23	3/4	648.09	3/4	351.63	3/4	55.84	3/4		3/4			
2	1,821.73	2	1,525.39	2	1,228.90	2	935.14	2	641.91	2	345.45	2	49.80	2		2			
1/4	1,815.55	1/4	1,519.21	1/4	1,222.73	1/4	929.05	1/4	635.73	1/4	339.28	1/4	43.75	1/4		1/4			
1/2	1,809.38	1/2	1,513.03	1/2	1,216.55	1/2	922.96	1/2	629.56	1/2	333.10	1/2	37.70	1/2		1/2			
3/4	1,803.21	3/4	1,506.86	3/4	1,210.37	3/4	916.87	3/4	623.38	3/4	326.92	3/4	32.56	3/4		3/4			
3	1,797.03	3	1,500.68	3	1,204.20	3	910.79	3	617.20	3	320.75	3	27.42	3		3			
1/4	1,790.86	1/4	1,494.50	1/4	1,198.02	1/4	904.70	1/4	611.03	1/4	314.57	1/4	22.28	1/4		1/4			
1/2	1,784.69	1/2	1,488.33	1/2	1,191.84	1/2	898.61	1/2	604.85	1/2	308.39	1/2	17.15	1/2		1/2			
3/4	1,778.52	3/4	1,482.15	3/4	1,185.67	3/4	892.53	3/4	598.68	3/4	302.22	3/4	14.06	3/4		3/4			
4	1,772.34	4	1,475.97	4	1,179.49	4	886.44	4	592.50	4	296.04	4	10.97	4		4			
1/4	1,766.17	1/4	1,469.80	1/4	1,173.31	1/4	880.35	1/4	586.32	1/4	289.87	1/4	7.88	1/4		1/4			
1/2	1,760.00	1/2	1,463.62	1/2	1,167.14	1/2	874.27	1/2	580.15	1/2	283.69	1/2	4.80	1/2		1/2			
3/4	1,753.82	3/4	1,457.44	3/4	1,160.96	3/4	868.18	3/4	573.97	3/4	277.51	3/4	3.77	3/4		3/4			
5	1,747.65	5	1,451.27	5	1,154.78	5	862.09	5	567.79	5	271.34	5	2.74	5		5			
1/4	1,741.48	1/4	1,445.09	1/4	1,148.61	1/4	856.01	1/4	561.62	1/4	265.16	1/4	1.71	1/4		1/4			
1/2	1,735.30	1/2	1,438.91	1/2	1,142.43	1/2	849.92	1/2	555.44	1/2	258.98	1/2	0.68	1/2		1/2			
3/4	1,729.13	3/4	1,432.74	3/4	1,136.30	3/4	843.84	3/4	549.27	3/4	252.81	3/4		3/4		3/4			
6	1,722.96	6	1,426.56	6	1,130.16	6	837.75	6	543.09	6	246.63	6		6		6			
1/4	1,716.79	1/4	1,420.38	1/4	1,124.03	1/4	831.66	1/4	536.91	1/4	240.46	1/4		1/4		1/4			
1/2	1,710.61	1/2	1,414.21	1/2	1,117.90	1/2	825.58	1/2	530.74	1/2	234.28	1/2		1/2		1/2			
3/4	1,704.44	3/4	1,408.03	3/4	1,111.80	3/4	819.49	3/4	524.56	3/4	228.10	3/4		3/4		3/4			
7	1,698.27	7	1,401.85	7	1,105.71	7	813.40	7	518.39	7	221.93	7		7		7			
1/4	1,692.09	1/4	1,395.68	1/4	1,099.62	1/4	807.32	1/4	512.21	1/4	215.75	1/4		1/4		1/4			
1/2	1,685.92	1/2	1,389.50	1/2	1,093.53	1/2	801.23	1/2	506.03	1/2	209.58	1/2		1/2		1/2			
3/4	1,679.75	3/4	1,383.32	3/4	1,087.44	3/4	795.15	3/4	499.86	3/4	203.40	3/4		3/4		3/4			
8	1,673.57	8	1,377.15	8	1,081.34	8	789.06	8	493.68	8	197.22	8		8		8			
1/4	1,667.40	1/4	1,370.97	1/4	1,075.25	1/4	782.97	1/4	487.50	1/4	191.05	1/4		1/4		1/4			
1/2	1,661.23	1/2	1,364.79	1/2	1,069.16	1/2	776.89	1/2	481.33	1/2	184.87	1/2		1/2		1/2			
3/4	1,655.06	3/4	1,358.61	3/4	1,063.07	3/4	770.80	3/4	475.15	3/4	178.69	3/4		3/4		3/4			
9	1,648.88	9	1,352.44	9	1,056.98	9	764.71	9	468.98	9	172.52	9		9		9			
1/4	1,642.71	1/4	1,346.26	1/4	1,050.89	1/4	758.63	1/4	462.80	1/4	166.34	1/4		1/4		1/4			
1/2	1,636.54	1/2	1,340.08	1/2	1,044.79	1/2	752.54	1/2	456.62	1/2	160.17	1/2		1/2		1/2			
3/4	1,630.36	3/4	1,333.91	3/4	1,038.70	3/4	746.46	3/4	450.45	3/4	154.00	3/4		3/4		3/4			
10	1,624.19	10	1,327.73	10	1,032.61	10	740.37	10	444.27	10	147.83	10		10		10			
1/4	1,618.02	1/4	1,321.55	1/4	1,026.52	1/4	734.29	1/4	438.09	1/4	141.66	1/4		1/4		1/4			
1/2	1,611.84	1/2	1,315.38	1/2	1,020.43	1/2	728.20	1/2	431.92	1/2	135.49	1/2		1/2		1/2			
3/4	1,605.67	3/4	1,309.20	3/4	1,014.33	3/4	722.07	3/4	425.74	3/4	129.33	3/4		3/4		3/4			
11	1,599.50	11	1,303.02	11	1,008.24	11	715.93	11	419.57	11	123.17	11		11		11			
1/4	1,593.33	1/4	1,296.85	1/4	1,002.15	1/4	709.80	1/4	413.39	1/4	117.02	1/4		1/4		1/4			
1/2	1,587.15	1/2	1,290.67	1/2	996.06	1/2	703.67	1/2	407.21	1/2	110.86	1/2		1/2		1/2			
3/4	1,580.98	3/4	1,284.49	3/4	989.97	3/4	697.49	3/4	401.04	3/4	104.72	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/31/2010 CL - SW  
CALCULATED: 04/01/2010 CL  
PRINTED: 04/01/2010 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2010

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



# BARGE "KIRBY 11011B"

## 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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	3,535.58	0	3,342.39	0	3,148.23	0	2,954.07	0	2,741.09	0	2,448.30	0	2,154.84		
1/4		1/4		1/4		1/4	3,532.51	1/4	3,338.34	1/4	3,144.18	1/4	2,950.02	1/4	2,735.00	1/4	2,442.18	1/4	2,148.73		
1/2		1/2		1/2		1/2	3,529.44	1/2	3,334.30	1/2	3,140.14	1/2	2,945.98	1/2	2,728.90	1/2	2,436.07	1/2	2,142.61		
3/4		3/4		3/4		3/4	3,526.37	3/4	3,330.25	3/4	3,136.09	3/4	2,941.93	3/4	2,722.81	3/4	2,429.96	3/4	2,136.50		
1		1		1		1	3,521.26	1	3,326.21	1	3,132.05	1	2,937.89	1	2,716.71	1	2,423.84	1	2,130.38		
1/4		1/4		1/4		1/4	3,516.15	1/4	3,322.16	1/4	3,128.00	1/4	2,933.84	1/4	2,710.62	1/4	2,417.73	1/4	2,124.27		
1/2		1/2		1/2		1/2	3,511.03	1/2	3,318.12	1/2	3,123.96	1/2	2,929.80	1/2	2,704.52	1/2	2,411.62	1/2	2,118.16		
3/4		3/4		3/4		3/4	3,505.92	3/4	3,314.07	3/4	3,119.91	3/4	2,925.75	3/4	2,698.43	3/4	2,405.50	3/4	2,112.04		
2		2		2		2	3,502.01	2	3,310.03	2	3,115.87	2	2,921.71	2	2,692.33	2	2,399.39	2	2,105.93		
1/4		1/4		1/4		1/4	3,498.10	1/4	3,305.98	1/4	3,111.82	1/4	2,917.66	1/4	2,686.24	1/4	2,393.27	1/4	2,099.82		
1/2		1/2		1/2		1/2	3,494.19	1/2	3,301.94	1/2	3,107.78	1/2	2,913.62	1/2	2,680.15	1/2	2,387.16	1/2	2,093.70		
3/4		3/4		3/4		3/4	3,490.27	3/4	3,297.89	3/4	3,103.73	3/4	2,909.57	3/4	2,674.05	3/4	2,381.05	3/4	2,087.59		
3		3		3		3	3,486.33	3	3,293.85	3	3,099.69	3	2,905.53	3	2,667.96	3	2,374.93	3	2,081.48		
1/4		1/4		1/4		1/4	3,482.38	1/4	3,289.80	1/4	3,095.64	1/4	2,901.48	1/4	2,661.86	1/4	2,368.82	1/4	2,075.36		
1/2		1/2		1/2		1/2	3,478.44	1/2	3,285.76	1/2	3,091.60	1/2	2,897.44	1/2	2,655.77	1/2	2,362.71	1/2	2,069.25		
3/4		3/4		3/4		3/4	3,474.49	3/4	3,281.71	3/4	3,087.55	3/4	2,893.39	3/4	2,649.67	3/4	2,356.59	3/4	2,063.13		
4		4		4		4	3,470.53	4	3,277.67	4	3,083.51	4	2,889.35	4	2,643.58	4	2,350.48	4	2,057.02		
1/4		1/4		1/4		1/4	3,466.57	1/4	3,273.62	1/4	3,079.46	1/4	2,885.30	1/4	2,637.48	1/4	2,344.36	1/4	2,050.91		
1/2		1/2		1/2		1/2	3,462.62	1/2	3,269.58	1/2	3,075.42	1/2	2,881.26	1/2	2,631.39	1/2	2,338.25	1/2	2,044.79		
3/4		3/4		3/4		3/4	3,458.66	3/4	3,265.53	3/4	3,071.37	3/4	2,877.21	3/4	2,625.29	3/4	2,332.14	3/4	2,038.68		
5		5		5		5	3,454.70	5	3,261.49	5	3,067.33	5	2,873.17	5	2,619.20	5	2,326.02	5	2,032.57		
1/4		1/4		1/4		1/4	3,450.74	1/4	3,257.44	1/4	3,063.28	1/4	2,869.12	1/4	2,613.10	1/4	2,319.91	1/4	2,026.45		
1/2		1/2		1/2		1/2	3,446.78	1/2	3,253.40	1/2	3,059.24	1/2	2,865.08	1/2	2,607.01	1/2	2,313.80	1/2	2,020.34		
3/4		3/4		3/4		3/4	3,442.81	3/4	3,249.35	3/4	3,055.19	3/4	2,861.03	3/4	2,600.91	3/4	2,307.68	3/4	2,014.22		
6		6		6		6	3,438.86	6	3,245.31	6	3,051.15	6	2,856.99	6	2,594.82	6	2,301.57	6	2,008.11		
1/4		1/4		1/4		1/4	3,434.90	1/4	3,241.26	1/4	3,047.10	1/4	2,852.94	1/4	2,588.72	1/4	2,295.45	1/4	2,002.00		
1/2		1/2		1/2		1/2	3,430.94	1/2	3,237.22	1/2	3,043.06	1/2	2,848.90	1/2	2,582.63	1/2	2,289.34	1/2	1,995.88		
3/4		3/4		3/4		3/4	3,426.98	3/4	3,233.17	3/4	3,039.01	3/4	2,844.85	3/4	2,576.53	3/4	2,283.23	3/4	1,989.77		
7		7		7		7	3,423.03	7	3,229.13	7	3,034.97	7	2,840.81	7	2,570.44	7	2,277.11	7	1,983.66		
1/4		1/4		1/4		1/4	3,419.07	1/4	3,225.08	1/4	3,030.92	1/4	2,836.76	1/4	2,564.34	1/4	2,271.00	1/4	1,977.54		
1/2		1/2		1/2		1/2	3,415.11	1/2	3,221.04	1/2	3,026.88	1/2	2,832.72	1/2	2,558.25	1/2	2,264.89	1/2	1,971.43		
3/4		3/4		3/4		3/4	3,411.15	3/4	3,216.99	3/4	3,022.83	3/4	2,828.67	3/4	2,552.15	3/4	2,258.77	3/4	1,965.31		
8		8		8		8	3,407.11	8	3,212.95	8	3,018.79	8	2,824.60	8	2,546.06	8	2,252.66	8	1,959.20		
1/4		1/4		1/4		1/4	3,403.06	1/4	3,208.90	1/4	3,014.74	1/4	2,820.53	1/4	2,539.96	1/4	2,246.55	1/4	1,953.09		
1/2		1/2		1/2		1/2	3,399.02	1/2	3,204.86	1/2	3,010.70	1/2	2,816.46	1/2	2,533.87	1/2	2,240.43	1/2	1,946.97		
3/4		3/4		3/4		3/4	3,394.97	3/4	3,200.81	3/4	3,006.65	3/4	2,812.39	3/4	2,527.78	3/4	2,234.32	3/4	1,940.86		
9		9		9		9	3,390.93	9	3,196.77	9	3,002.61	9	2,808.32	9	2,521.66	9	2,228.20	9	1,934.75		
1/4		1/4		1/4		1/4	3,386.88	1/4	3,192.72	1/4	2,998.56	1/4	2,804.25	1/4	2,515.55	1/4	2,222.09	1/4	1,928.63		
1/2		1/2		1/2		1/2	3,382.84	1/2	3,188.68	1/2	2,994.52	1/2	2,800.18	1/2	2,509.43	1/2	2,215.98	1/2	1,922.52		
3/4		3/4		3/4		3/4	3,378.79	3/4	3,184.63	3/4	2,990.47	3/4	2,796.11	3/4	2,503.32	3/4	2,209.86	3/4	1,916.41		
10		10		10		10	3,374.75	10	3,180.59	10	2,986.43	10	2,789.98	10	2,497.21	10	2,203.75	10	1,910.29		
1/4		1/4		1/4		1/4	3,370.70	1/4	3,176.54	1/4	2,982.38	1/4	2,783.84	1/4	2,491.09	1/4	2,197.64	1/4	1,904.18		
1/2		1/2		1/2		1/2	3,366.66	1/2	3,172.50	1/2	2,978.34	1/2	2,777.70	1/2	2,484.98	1/2	2,191.52	1/2	1,898.06		
3/4		3/4		3/4		3/4	3,362.61	3/4	3,168.45	3/4	2,974.29	3/4	2,771.57	3/4	2,478.87	3/4	2,185.41	3/4	1,891.95		
11		11		11		11	3,358.57	11	3,164.41	11	2,970.25	11	2,765.47	11	2,472.75	11	2,179.29	11	1,885.84		
1/4		1/4		1/4		1/4	3,540.70	1/4	3,354.52	1/4	3,160.36	1/4	2,966.20	1/4	2,759.38	1/4	2,466.64	1/4	2,173.18	1/4	1,879.72
1/2		1/2		1/2		1/2	3,539.67	1/2	3,350.48	1/2	3,156.32	1/2	2,962.16	1/2	2,753.28	1/2	2,460.52	1/2	2,167.07	1/2	1,873.61
3/4		3/4		3/4		3/4	3,538.65	3/4	3,346.43	3/4	3,152.27	3/4	2,958.11	3/4	2,747.19	3/4	2,454.41	3/4	2,160.95	3/4	1,867.50

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'-10" FORWARD OF AFT BULKHEAD.

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





# BARGE "KIRBY 11011B"

## 3 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	1,861.38	0	1,567.68	0	1,273.81	0	979.94	0	692.14	0	398.12	0	104.08	0		0			
1/4	1,855.27	1/4	1,561.55	1/4	1,267.69	1/4	973.82	1/4	686.03	1/4	392.00	1/4	97.98	1/4		1/4			
1/2	1,849.15	1/2	1,555.43	1/2	1,261.57	1/2	967.70	1/2	679.92	1/2	385.87	1/2	91.88	1/2		1/2			
3/4	1,843.04	3/4	1,549.31	3/4	1,255.44	3/4	961.58	3/4	673.81	3/4	379.74	3/4	85.79	3/4		3/4			
1	1,836.93	1	1,543.19	1	1,249.32	1	955.52	1	667.69	1	373.62	1	79.72	1		1			
1/4	1,830.81	1/4	1,537.06	1/4	1,243.20	1/4	949.46	1/4	661.56	1/4	367.49	1/4	73.65	1/4		1/4			
1/2	1,824.70	1/2	1,530.94	1/2	1,237.08	1/2	943.40	1/2	655.44	1/2	361.36	1/2	67.58	1/2		1/2			
3/4	1,818.59	3/4	1,524.82	3/4	1,230.95	3/4	937.34	3/4	649.31	3/4	355.24	3/4	61.52	3/4		3/4			
2	1,812.47	2	1,518.70	2	1,224.83	2	931.34	2	643.18	2	349.11	2	55.50	2		2			
1/4	1,806.36	1/4	1,512.58	1/4	1,218.71	1/4	925.35	1/4	637.06	1/4	342.98	1/4	49.49	1/4		1/4			
1/2	1,800.25	1/2	1,506.45	1/2	1,212.59	1/2	919.35	1/2	630.93	1/2	336.86	1/2	43.48	1/2		1/2			
3/4	1,794.13	3/4	1,500.33	3/4	1,206.47	3/4	913.36	3/4	624.81	3/4	330.73	3/4	37.47	3/4		3/4			
3	1,788.01	3	1,494.21	3	1,200.34	3	907.36	3	618.68	3	324.60	3	32.36	3		3			
1/4	1,781.89	1/4	1,488.09	1/4	1,194.22	1/4	901.37	1/4	612.55	1/4	318.48	1/4	27.26	1/4		1/4			
1/2	1,775.77	1/2	1,481.97	1/2	1,188.10	1/2	895.37	1/2	606.43	1/2	312.35	1/2	22.15	1/2		1/2			
3/4	1,769.64	3/4	1,475.84	3/4	1,181.98	3/4	889.38	3/4	600.30	3/4	306.22	3/4	17.05	3/4		3/4			
4	1,763.52	4	1,469.72	4	1,175.86	4	883.40	4	594.18	4	300.10	4	13.98	4		4			
1/4	1,757.40	1/4	1,463.60	1/4	1,169.73	1/4	877.42	1/4	588.05	1/4	293.97	1/4	10.91	1/4		1/4			
1/2	1,751.28	1/2	1,457.48	1/2	1,163.61	1/2	871.44	1/2	581.92	1/2	287.85	1/2	7.84	1/2		1/2			
3/4	1,745.15	3/4	1,451.35	3/4	1,157.49	3/4	865.46	3/4	575.80	3/4	281.72	3/4	4.77	3/4		3/4			
5	1,739.03	5	1,445.23	5	1,151.37	5	859.50	5	569.67	5	275.59	5	3.75	5		5			
1/4	1,732.91	1/4	1,439.11	1/4	1,145.24	1/4	853.53	1/4	563.54	1/4	269.47	1/4	2.73	1/4		1/4			
1/2	1,726.79	1/2	1,432.99	1/2	1,139.12	1/2	847.57	1/2	557.42	1/2	263.34	1/2	1.70	1/2		1/2			
3/4	1,720.67	3/4	1,426.87	3/4	1,133.00	3/4	841.61	3/4	551.29	3/4	257.21	3/4	0.68	3/4		3/4			
6	1,714.55	6	1,420.74	6	1,126.88	6	835.65	6	545.16	6	251.09	6		6		6			
1/4	1,708.43	1/4	1,414.62	1/4	1,120.76	1/4	829.68	1/4	539.04	1/4	244.96	1/4		1/4		1/4			
1/2	1,702.30	1/2	1,408.50	1/2	1,114.63	1/2	823.72	1/2	532.91	1/2	238.83	1/2		1/2		1/2			
3/4	1,696.18	3/4	1,402.38	3/4	1,108.51	3/4	817.76	3/4	526.78	3/4	232.71	3/4		3/4		3/4			
7	1,690.06	7	1,396.25	7	1,102.39	7	811.79	7	520.66	7	226.58	7		7		7			
1/4	1,683.95	1/4	1,390.13	1/4	1,096.27	1/4	805.83	1/4	514.53	1/4	220.45	1/4		1/4		1/4			
1/2	1,677.83	1/2	1,384.01	1/2	1,090.14	1/2	799.87	1/2	508.40	1/2	214.33	1/2		1/2		1/2			
3/4	1,671.71	3/4	1,377.89	3/4	1,084.02	3/4	793.91	3/4	502.28	3/4	208.20	3/4		3/4		3/4			
8	1,665.59	8	1,371.77	8	1,077.90	8	787.94	8	496.15	8	202.07	8		8		8			
1/4	1,659.47	1/4	1,365.64	1/4	1,071.78	1/4	781.98	1/4	490.02	1/4	195.95	1/4		1/4		1/4			
1/2	1,653.35	1/2	1,359.52	1/2	1,065.66	1/2	776.02	1/2	483.90	1/2	189.82	1/2		1/2		1/2			
3/4	1,647.23	3/4	1,353.40	3/4	1,059.53	3/4	770.05	3/4	477.77	3/4	183.69	3/4		3/4		3/4			
9	1,641.11	9	1,347.28	9	1,053.41	9	764.09	9	471.64	9	177.57	9		9		9			
1/4	1,634.99	1/4	1,341.15	1/4	1,047.29	1/4	758.13	1/4	465.52	1/4	171.44	1/4		1/4		1/4			
1/2	1,628.87	1/2	1,335.03	1/2	1,041.17	1/2	752.17	1/2	459.39	1/2	165.32	1/2		1/2		1/2			
3/4	1,622.75	3/4	1,328.91	3/4	1,035.04	3/4	746.20	3/4	453.26	3/4	159.19	3/4		3/4		3/4			
10	1,616.63	10	1,322.79	10	1,028.92	10	740.24	10	447.14	10	153.06	10		10		10			
1/4	1,610.51	1/4	1,316.67	1/4	1,022.80	1/4	734.28	1/4	441.01	1/4	146.93	1/4		1/4		1/4			
1/2	1,604.39	1/2	1,310.54	1/2	1,016.68	1/2	728.32	1/2	434.88	1/2	140.79	1/2		1/2		1/2			
3/4	1,598.28	3/4	1,304.42	3/4	1,010.56	3/4	722.35	3/4	428.76	3/4	134.66	3/4		3/4		3/4			
11	1,592.16	11	1,298.30	11	1,004.43	11	716.33	11	422.63	11	128.54	11		11		11			
1/4	1,586.04	1/4	1,292.18	1/4	998.31	1/4	710.30	1/4	416.50	1/4	122.42	1/4		1/4		1/4			
1/2	1,579.92	1/2	1,286.05	1/2	992.19	1/2	704.27	1/2	410.38	1/2	116.30	1/2		1/2		1/2			
3/4	1,573.80	3/4	1,279.93	3/4	986.07	3/4	698.25	3/4	404.25	3/4	110.18	3/4		3/4		3/4			

STRAPPED: 03/31/2010 CL - SW  
CALCULATED: 04/01/2010 CL  
PRINTED: 04/01/2010 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2010

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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