



# BARGE "KIRBY 11013B"

## 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	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4
2 CENTER	00-1/8	- 00-1/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-0/8	- 01-0/8
3 CENTER	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8

(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 - 00-1/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 183'-00"

April 8, 2010

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

<http://www.pmacorp.net>



# BARGE "KIRBY 11013B"

## 1 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		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	4,096.90	0	3,802.70	0	3,495.38	0	3,188.05	0	2,880.20	0	2,571.48	0	2,262.75		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,093.68	1/4	3,796.30	1/4	3,488.98	1/4	3,181.65	1/4	2,873.77	1/4	2,565.05	1/4	2,256.32		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,090.46	1/2	3,789.90	1/2	3,482.57	1/2	3,175.25	1/2	2,867.34	1/2	2,558.61	1/2	2,249.89		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,085.10	3/4	3,783.50	3/4	3,476.17	3/4	3,168.85	3/4	2,860.91	3/4	2,552.18	3/4	2,243.46		
1	1	1	1	1	1	1	4,079.74	1	3,777.09	1	3,469.77	1	3,162.44	1	2,854.48	1	2,545.75	1	2,237.02		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,074.38	1/4	3,770.69	1/4	3,463.37	1/4	3,156.04	1/4	2,848.04	1/4	2,539.32	1/4	2,230.59		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,069.02	1/2	3,764.29	1/2	3,456.96	1/2	3,149.64	1/2	2,841.61	1/2	2,532.89	1/2	2,224.16		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,062.77	3/4	3,757.89	3/4	3,450.56	3/4	3,143.24	3/4	2,835.18	3/4	2,526.45	3/4	2,217.73		
2	2	2	2	2	2	2	4,056.51	2	3,751.48	2	3,444.16	2	3,136.83	2	2,828.75	2	2,520.02	2	2,211.30		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,050.25	1/4	3,745.08	1/4	3,437.76	1/4	3,130.43	1/4	2,822.32	1/4	2,513.59	1/4	2,204.86		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,044.00	1/2	3,738.68	1/2	3,431.35	1/2	3,124.03	1/2	2,815.89	1/2	2,507.16	1/2	2,198.43		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,037.71	3/4	3,732.27	3/4	3,424.95	3/4	3,117.63	3/4	2,809.45	3/4	2,500.73	3/4	2,192.00		
3	3	3	3	3	3	3	4,031.41	3	3,725.87	3	3,418.55	3	3,111.22	3	2,803.02	3	2,494.30	3	2,185.57		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,025.12	1/4	3,719.47	1/4	3,412.14	1/4	3,104.82	1/4	2,796.59	1/4	2,487.86	1/4	2,179.14		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,018.83	1/2	3,713.07	1/2	3,405.74	1/2	3,098.42	1/2	2,790.16	1/2	2,481.43	1/2	2,172.71		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,012.52	3/4	3,706.66	3/4	3,399.34	3/4	3,092.01	3/4	2,783.73	3/4	2,475.00	3/4	2,166.27		
4	4	4	4	4	4	4	4,006.22	4	3,700.26	4	3,392.94	4	3,085.61	4	2,777.29	4	2,468.57	4	2,159.84		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,999.91	1/4	3,693.86	1/4	3,386.53	1/4	3,079.21	1/4	2,770.86	1/4	2,462.14	1/4	2,153.41		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,993.60	1/2	3,687.46	1/2	3,380.13	1/2	3,072.81	1/2	2,764.43	1/2	2,455.70	1/2	2,146.98		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,987.30	3/4	3,681.05	3/4	3,373.73	3/4	3,066.40	3/4	2,758.00	3/4	2,449.27	3/4	2,140.55		
5	5	5	5	5	5	5	3,980.99	5	3,674.65	5	3,367.33	5	3,060.00	5	2,751.57	5	2,442.84	5	2,134.11		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,974.68	1/4	3,668.25	1/4	3,360.92	1/4	3,053.60	1/4	2,745.14	1/4	2,436.41	1/4	2,127.68		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,968.37	1/2	3,661.85	1/2	3,354.52	1/2	3,047.20	1/2	2,738.70	1/2	2,429.98	1/2	2,121.25		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,962.07	3/4	3,655.44	3/4	3,348.12	3/4	3,040.79	3/4	2,732.27	3/4	2,423.55	3/4	2,114.82		
6	6	6	6	6	6	6	3,955.77	6	3,649.04	6	3,341.72	6	3,034.39	6	2,725.84	6	2,417.11	6	2,108.39		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,949.47	1/4	3,642.64	1/4	3,335.31	1/4	3,027.99	1/4	2,719.41	1/4	2,410.68	1/4	2,101.96		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,943.16	1/2	3,636.24	1/2	3,328.91	1/2	3,021.59	1/2	2,712.98	1/2	2,404.25	1/2	2,095.52		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,936.86	3/4	3,629.83	3/4	3,322.51	3/4	3,015.18	3/4	2,706.54	3/4	2,397.82	3/4	2,089.09		
7	7	7	7	7	7	7	3,930.56	7	3,623.43	7	3,316.11	7	3,008.78	7	2,700.11	7	2,391.39	7	2,082.66		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,924.25	1/4	3,617.03	1/4	3,309.70	1/4	3,002.38	1/4	2,693.68	1/4	2,384.95	1/4	2,076.23		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,917.95	1/2	3,610.63	1/2	3,303.30	1/2	2,995.98	1/2	2,687.25	1/2	2,378.52	1/2	2,069.80		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,911.55	3/4	3,604.22	3/4	3,296.90	3/4	2,989.54	3/4	2,680.82	3/4	2,372.09	3/4	2,063.36		
8	8	8	8	8	8	8	3,905.14	8	3,597.82	8	3,290.50	8	2,983.11	8	2,674.39	8	2,365.66	8	2,056.93		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,898.74	1/4	3,591.42	1/4	3,284.09	1/4	2,976.68	1/4	2,667.95	1/4	2,359.23	1/4	2,050.50		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,892.34	1/2	3,585.01	1/2	3,277.69	1/2	2,970.25	1/2	2,661.52	1/2	2,352.80	1/2	2,044.07		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,885.94	3/4	3,578.61	3/4	3,271.29	3/4	2,963.82	3/4	2,655.09	3/4	2,346.36	3/4	2,037.64		
9	9	9	9	9	9	9	3,879.53	9	3,572.21	9	3,264.88	9	2,957.38	9	2,648.66	9	2,339.93	9	2,031.21		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,873.13	1/4	3,565.81	1/4	3,258.48	1/4	2,950.95	1/4	2,642.23	1/4	2,333.50	1/4	2,024.77		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,866.73	1/2	3,559.40	1/2	3,252.08	1/2	2,944.52	1/2	2,635.79	1/2	2,327.07	1/2	2,018.34		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,860.33	3/4	3,553.00	3/4	3,245.68	3/4	2,938.09	3/4	2,629.36	3/4	2,320.64	3/4	2,011.91		
10	10	10	10	10	10	10	3,853.92	10	3,546.60	10	3,239.27	10	2,931.66	10	2,622.93	10	2,314.20	10	2,005.48		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,847.52	1/4	3,540.20	1/4	3,232.87	1/4	2,925.23	1/4	2,616.50	1/4	2,307.77	1/4	1,999.05		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,841.12	1/2	3,533.79	1/2	3,226.47	1/2	2,918.79	1/2	2,610.07	1/2	2,301.34	1/2	1,992.61		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,834.72	3/4	3,527.39	3/4	3,220.07	3/4	2,912.36	3/4	2,603.64	3/4	2,294.91	3/4	1,986.18		
11	11	11	11	11	4,105.48	11	3,828.31	11	3,520.99	11	3,213.66	11	2,905.93	11	2,597.20	11	2,288.48	11	1,979.75		
1/4	1/4	1/4	1/4	1/4	4,104.41	1/4	3,821.91	1/4	3,514.59	1/4	3,207.26	1/4	2,899.50	1/4	2,590.77	1/4	2,282.05	1/4	1,973.32		
1/2	1/2	1/2	1/2	1/2	4,103.33	1/2	3,815.51	1/2	3,508.18	1/2	3,200.86	1/2	2,893.07	1/2	2,584.34	1/2	2,275.61	1/2	1,966.89		
3/4	3/4	3/4	3/4	3/4	4,100.12	3/4	3,809.11	3/4	3,501.78	3/4	3,194.46	3/4	2,886.64	3/4	2,577.91	3/4	2,269.18	3/4	1,960.46		

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 11013B"

## 1 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	1,954.02	0	1,645.29	0	1,336.40	0	1,028.45	0	720.25	0	411.37	0	102.69	0		0		0	
1/4	1,947.59	1/4	1,638.86	1/4	1,329.96	1/4	1,022.05	1/4	713.81	1/4	404.94	1/4	96.29	1/4	1/4	1/4		1/4	
1/2	1,941.16	1/2	1,632.42	1/2	1,323.53	1/2	1,015.65	1/2	707.38	1/2	398.50	1/2	89.90	1/2	1/2	1/2		1/2	
3/4	1,934.73	3/4	1,625.98	3/4	1,317.09	3/4	1,009.25	3/4	700.94	3/4	392.07	3/4	83.54	3/4	3/4	3/4		3/4	
1	1,928.30	1	1,619.55	1	1,310.66	1	1,002.85	1	694.51	1	385.63	1	77.18	1	1	1		1	
1/4	1,921.87	1/4	1,613.11	1/4	1,304.22	1/4	996.45	1/4	688.07	1/4	379.20	1/4	70.82	1/4	1/4	1/4		1/4	
1/2	1,915.43	1/2	1,606.68	1/2	1,297.78	1/2	990.05	1/2	681.64	1/2	372.76	1/2	64.46	1/2	1/2	1/2		1/2	
3/4	1,909.00	3/4	1,600.24	3/4	1,291.35	3/4	983.66	3/4	675.20	3/4	366.33	3/4	58.15	3/4	3/4	3/4		3/4	
2	1,902.57	2	1,593.81	2	1,284.91	2	977.26	2	668.77	2	359.89	2	51.85	2	2	2		2	
1/4	1,896.14	1/4	1,587.37	1/4	1,278.48	1/4	970.86	1/4	662.33	1/4	353.46	1/4	45.55	1/4	1/4	1/4		1/4	
1/2	1,889.71	1/2	1,580.94	1/2	1,272.04	1/2	964.46	1/2	655.90	1/2	347.02	1/2	39.25	1/2	1/2	1/2		1/2	
3/4	1,883.27	3/4	1,574.50	3/4	1,265.61	3/4	958.07	3/4	649.46	3/4	340.59	3/4	33.90	3/4	3/4	3/4		3/4	
3	1,876.84	3	1,568.07	3	1,259.17	3	951.67	3	643.03	3	334.15	3	28.54	3	3	3		3	
1/4	1,870.41	1/4	1,561.63	1/4	1,252.74	1/4	945.28	1/4	636.59	1/4	327.72	1/4	23.19	1/4	1/4	1/4		1/4	
1/2	1,863.98	1/2	1,555.20	1/2	1,246.30	1/2	938.89	1/2	630.16	1/2	321.28	1/2	17.84	1/2	1/2	1/2		1/2	
3/4	1,857.55	3/4	1,548.76	3/4	1,239.87	3/4	932.46	3/4	623.72	3/4	314.85	3/4	14.62	3/4	3/4	3/4		3/4	
4	1,851.12	4	1,542.33	4	1,233.43	4	926.03	4	617.29	4	308.41	4	11.40	4	4	4		4	
1/4	1,844.68	1/4	1,535.89	1/4	1,227.00	1/4	919.60	1/4	610.85	1/4	301.98	1/4	8.18	1/4	1/4	1/4		1/4	
1/2	1,838.25	1/2	1,529.46	1/2	1,220.56	1/2	913.17	1/2	604.42	1/2	295.54	1/2	4.97	1/2	1/2	1/2		1/2	
3/4	1,831.82	3/4	1,523.02	3/4	1,214.13	3/4	906.74	3/4	597.98	3/4	289.11	3/4	3.90	3/4	3/4	3/4		3/4	
5	1,825.39	5	1,516.58	5	1,207.69	5	900.31	5	591.55	5	282.67	5	2.82	5	5	5		5	
1/4	1,818.96	1/4	1,510.15	1/4	1,201.26	1/4	893.88	1/4	585.12	1/4	276.24	1/4	1.75	1/4	1/4	1/4		1/4	
1/2	1,812.52	1/2	1,503.71	1/2	1,194.82	1/2	887.45	1/2	578.68	1/2	269.80	1/2	0.68	1/2	1/2	1/2		1/2	
3/4	1,806.09	3/4	1,497.28	3/4	1,188.42	3/4	881.02	3/4	572.25	3/4	263.37	3/4		3/4	3/4	3/4		3/4	
6	1,799.66	6	1,490.84	6	1,182.02	6	874.59	6	565.81	6	256.94	6		6	6	6		6	
1/4	1,793.23	1/4	1,484.41	1/4	1,175.62	1/4	868.16	1/4	559.38	1/4	250.50	1/4		1/4	1/4	1/4		1/4	
1/2	1,786.80	1/2	1,477.97	1/2	1,169.22	1/2	861.73	1/2	552.94	1/2	244.07	1/2		1/2	1/2	1/2		1/2	
3/4	1,780.37	3/4	1,471.54	3/4	1,162.83	3/4	855.30	3/4	546.51	3/4	237.63	3/4		3/4	3/4	3/4		3/4	
7	1,773.93	7	1,465.10	7	1,156.43	7	848.87	7	540.07	7	231.20	7		7	7	7		7	
1/4	1,767.50	1/4	1,458.67	1/4	1,150.03	1/4	842.44	1/4	533.64	1/4	224.76	1/4		1/4	1/4	1/4		1/4	
1/2	1,761.07	1/2	1,452.23	1/2	1,143.63	1/2	836.01	1/2	527.20	1/2	218.33	1/2		1/2	1/2	1/2		1/2	
3/4	1,754.64	3/4	1,445.80	3/4	1,137.23	3/4	829.58	3/4	520.77	3/4	211.89	3/4		3/4	3/4	3/4		3/4	
8	1,748.21	8	1,439.36	8	1,130.83	8	823.15	8	514.33	8	205.46	8		8	8	8		8	
1/4	1,741.77	1/4	1,432.93	1/4	1,124.43	1/4	816.72	1/4	507.90	1/4	199.02	1/4		1/4	1/4	1/4		1/4	
1/2	1,735.34	1/2	1,426.49	1/2	1,118.03	1/2	810.29	1/2	501.46	1/2	192.59	1/2		1/2	1/2	1/2		1/2	
3/4	1,728.91	3/4	1,420.06	3/4	1,111.63	3/4	803.86	3/4	495.03	3/4	186.15	3/4		3/4	3/4	3/4		3/4	
9	1,722.48	9	1,413.62	9	1,105.24	9	797.43	9	488.59	9	179.72	9		9	9	9		9	
1/4	1,716.05	1/4	1,407.18	1/4	1,098.84	1/4	791.00	1/4	482.16	1/4	173.28	1/4		1/4	1/4	1/4		1/4	
1/2	1,709.62	1/2	1,400.75	1/2	1,092.44	1/2	784.57	1/2	475.72	1/2	166.85	1/2		1/2	1/2	1/2		1/2	
3/4	1,703.18	3/4	1,394.31	3/4	1,086.04	3/4	778.14	3/4	469.29	3/4	160.42	3/4		3/4	3/4	3/4		3/4	
10	1,696.75	10	1,387.88	10	1,079.64	10	771.71	10	462.85	10	153.99	10		10	10	10		10	
1/4	1,690.32	1/4	1,381.44	1/4	1,073.24	1/4	765.28	1/4	456.42	1/4	147.56	1/4		1/4	1/4	1/4		1/4	
1/2	1,683.89	1/2	1,375.01	1/2	1,066.84	1/2	758.85	1/2	449.98	1/2	141.14	1/2		1/2	1/2	1/2		1/2	
3/4	1,677.46	3/4	1,368.57	3/4	1,060.44	3/4	752.42	3/4	443.55	3/4	134.72	3/4		3/4	3/4	3/4		3/4	
11	1,671.02	11	1,362.14	11	1,054.04	11	745.98	11	437.11	11	128.31	11		11	11	11		11	
1/4	1,664.59	1/4	1,355.70	1/4	1,047.65	1/4	739.55	1/4	430.68	1/4	121.89	1/4		1/4	1/4	1/4		1/4	
1/2	1,658.16	1/2	1,349.27	1/2	1,041.25	1/2	733.11	1/2	424.24	1/2	115.47	1/2		1/2	1/2	1/2		1/2	
3/4	1,651.73	3/4	1,342.83	3/4	1,034.85	3/4	726.68	3/4	417.81	3/4	109.08	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/08/2010 CL - SW  
CALCULATED: 04/08/2010 CL  
PRINTED: 04/08/2010 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 11013B"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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	3,924.91	1/4	3,646.16	1/4	3,351.67	1/4	3,057.19	1/4	2,762.21	1/4	2,466.33	1/4	2,170.45		
1/2		1/2		1/2		1/2	3,921.82	1/2	3,640.02	1/2	3,345.54	1/2	3,051.05	1/2	2,756.04	1/2	2,460.17	1/2	2,164.29		
3/4		3/4		3/4		3/4	3,918.74	3/4	3,633.89	3/4	3,339.40	3/4	3,044.92	3/4	2,749.88	3/4	2,454.00	3/4	2,158.13		
1	1	1	1	1	1	1	3,915.66	1	3,627.75	1	3,333.27	1	3,038.78	1	2,743.72	1	2,447.84	1	2,151.96		
1/4		1/4		1/4		1/4	3,910.52	1/4	3,621.62	1/4	3,327.13	1/4	3,032.65	1/4	2,737.55	1/4	2,441.68	1/4	2,145.80		
1/2		1/2		1/2		1/2	3,905.38	1/2	3,615.48	1/2	3,321.00	1/2	3,026.51	1/2	2,731.39	1/2	2,435.51	1/2	2,139.63		
3/4		3/4		3/4		3/4	3,900.24	3/4	3,609.35	3/4	3,314.86	3/4	3,020.38	3/4	2,725.22	3/4	2,429.35	3/4	2,133.47		
2	2	2	2	2	2	2	3,895.11	2	3,603.21	2	3,308.73	2	3,014.24	2	2,719.06	2	2,423.18	2	2,127.31		
1/4		1/4		1/4		1/4	3,889.12	1/4	3,597.08	1/4	3,302.59	1/4	3,008.11	1/4	2,712.90	1/4	2,417.02	1/4	2,121.14		
1/2		1/2		1/2		1/2	3,883.13	1/2	3,590.94	1/2	3,296.46	1/2	3,001.97	1/2	2,706.73	1/2	2,410.85	1/2	2,114.98		
3/4		3/4		3/4		3/4	3,877.14	3/4	3,584.80	3/4	3,290.32	3/4	2,995.84	3/4	2,700.57	3/4	2,404.69	3/4	2,108.81		
3	3	3	3	3	3	3	3,871.15	3	3,578.67	3	3,284.19	3	2,989.70	3	2,694.40	3	2,398.53	3	2,102.65		
1/4		1/4		1/4		1/4	3,865.12	1/4	3,572.53	1/4	3,278.05	1/4	2,983.57	1/4	2,688.24	1/4	2,392.36	1/4	2,096.49		
1/2		1/2		1/2		1/2	3,859.10	1/2	3,566.40	1/2	3,271.91	1/2	2,977.43	1/2	2,682.08	1/2	2,386.20	1/2	2,090.32		
3/4		3/4		3/4		3/4	3,853.07	3/4	3,560.26	3/4	3,265.78	3/4	2,971.29	3/4	2,675.91	3/4	2,380.03	3/4	2,084.16		
4	4	4	4	4	4	4	3,847.04	4	3,554.13	4	3,259.64	4	2,965.16	4	2,669.75	4	2,373.87	4	2,077.99		
1/4		1/4		1/4		1/4	3,841.01	1/4	3,547.99	1/4	3,253.51	1/4	2,959.02	1/4	2,663.58	1/4	2,367.71	1/4	2,071.83		
1/2		1/2		1/2		1/2	3,834.97	1/2	3,541.86	1/2	3,247.37	1/2	2,952.89	1/2	2,657.42	1/2	2,361.54	1/2	2,065.67		
3/4		3/4		3/4		3/4	3,828.94	3/4	3,535.72	3/4	3,241.24	3/4	2,946.75	3/4	2,651.25	3/4	2,355.38	3/4	2,059.50		
5	5	5	5	5	5	5	3,822.90	5	3,529.59	5	3,235.10	5	2,940.62	5	2,645.09	5	2,349.21	5	2,053.34		
1/4		1/4		1/4		1/4	3,816.86	1/4	3,523.45	1/4	3,228.97	1/4	2,934.48	1/4	2,638.93	1/4	2,343.05	1/4	2,047.17		
1/2		1/2		1/2		1/2	3,810.82	1/2	3,517.32	1/2	3,222.83	1/2	2,928.35	1/2	2,632.76	1/2	2,336.89	1/2	2,041.01		
3/4		3/4		3/4		3/4	3,804.78	3/4	3,511.18	3/4	3,216.70	3/4	2,922.21	3/4	2,626.60	3/4	2,330.72	3/4	2,034.84		
6	6	6	6	6	6	6	3,798.74	6	3,505.05	6	3,210.56	6	2,916.08	6	2,620.43	6	2,324.56	6	2,028.68		
1/4		1/4		1/4		1/4	3,792.71	1/4	3,498.91	1/4	3,204.43	1/4	2,909.94	1/4	2,614.27	1/4	2,318.39	1/4	2,022.52		
1/2		1/2		1/2		1/2	3,786.67	1/2	3,492.78	1/2	3,198.29	1/2	2,903.81	1/2	2,608.11	1/2	2,312.23	1/2	2,016.35		
3/4		3/4		3/4		3/4	3,780.63	3/4	3,486.64	3/4	3,192.16	3/4	2,897.67	3/4	2,601.94	3/4	2,306.07	3/4	2,010.19		
7	7	7	7	7	7	7	3,774.60	7	3,480.51	7	3,186.02	7	2,891.54	7	2,595.78	7	2,299.90	7	2,004.02		
1/4		1/4		1/4		1/4	3,768.56	1/4	3,474.37	1/4	3,179.89	1/4	2,885.40	1/4	2,589.61	1/4	2,293.74	1/4	1,997.86		
1/2		1/2		1/2		1/2	3,762.53	1/2	3,468.24	1/2	3,173.75	1/2	2,879.27	1/2	2,583.45	1/2	2,287.57	1/2	1,991.70		
3/4		3/4		3/4		3/4	3,756.49	3/4	3,462.10	3/4	3,167.62	3/4	2,873.13	3/4	2,577.29	3/4	2,281.41	3/4	1,985.53		
8	8	8	8	8	8	8	3,750.45	8	3,455.97	8	3,161.48	8	2,867.00	8	2,571.12	8	2,275.24	8	1,979.37		
1/4		1/4		1/4		1/4	3,744.32	1/4	3,449.83	1/4	3,155.35	1/4	2,860.83	1/4	2,564.96	1/4	2,269.08	1/4	1,973.20		
1/2		1/2		1/2		1/2	3,738.18	1/2	3,443.70	1/2	3,149.21	1/2	2,854.67	1/2	2,558.79	1/2	2,262.92	1/2	1,967.04		
3/4		3/4		3/4		3/4	3,732.05	3/4	3,437.56	3/4	3,143.08	3/4	2,848.51	3/4	2,552.63	3/4	2,256.75	3/4	1,960.88		
9	9	9	9	9	9	9	3,725.91	9	3,431.43	9	3,136.94	9	2,842.34	9	2,546.47	9	2,250.59	9	1,954.71		
1/4		1/4		1/4		1/4	3,719.78	1/4	3,425.29	1/4	3,130.81	1/4	2,836.18	1/4	2,540.30	1/4	2,244.42	1/4	1,948.55		
1/2		1/2		1/2		1/2	3,713.64	1/2	3,419.16	1/2	3,124.67	1/2	2,830.01	1/2	2,534.14	1/2	2,238.26	1/2	1,942.38		
3/4		3/4		3/4		3/4	3,707.51	3/4	3,413.02	3/4	3,118.54	3/4	2,823.85	3/4	2,527.97	3/4	2,232.10	3/4	1,936.22		
10	10	10	10	10	10	10	3,701.37	10	3,406.89	10	3,112.40	10	2,817.69	10	2,521.81	10	2,225.93	10	1,930.06		
1/4		1/4		1/4		1/4	3,695.24	1/4	3,400.75	1/4	3,106.27	1/4	2,811.52	1/4	2,515.64	1/4	2,219.77	1/4	1,923.89		
1/2		1/2		1/2		1/2	3,689.10	1/2	3,394.62	1/2	3,100.13	1/2	2,805.36	1/2	2,509.48	1/2	2,213.60	1/2	1,917.73		
3/4		3/4		3/4		3/4	3,682.97	3/4	3,388.48	3/4	3,094.00	3/4	2,799.19	3/4	2,503.32	3/4	2,207.44	3/4	1,911.56		
11	11	11	11	11	11	11	3,676.83	11	3,382.35	11	3,087.86	11	2,793.03	11	2,497.15	11	2,201.28	11	1,905.40		
1/4		1/4		1/4		1/4	3,670.70	1/4	3,376.21	1/4	3,081.73	1/4	2,786.86	1/4	2,490.99	1/4	2,195.11	1/4	1,899.23		
1/2		1/2		1/2		1/2	3,930.05	1/2	3,664.56	1/2	3,370.08	1/2	3,075.59	1/2	2,780.70	1/2	2,484.82	1/2	2,188.95	1/2	1,893.07
3/4		3/4		3/4		3/4	3,929.02	3/4	3,658.43	3/4	3,363.94	3/4	3,069.46	3/4	2,774.54	3/4	2,478.66	3/4	2,182.78	3/4	1,886.91

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'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 11013B"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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	1,880.74	0	1,584.87	0	1,288.81	0	994.63	0	702.65	0	406.63	0	110.70	0		0		0	
1/4	1,874.58	1/4	1,578.70	1/4	1,282.64	1/4	988.54	1/4	696.49	1/4	400.46	1/4	104.57	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,868.41	1/2	1,572.53	1/2	1,276.48	1/2	982.46	1/2	690.32	1/2	394.29	1/2	98.44	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,862.25	3/4	1,566.36	3/4	1,270.31	3/4	976.38	3/4	684.15	3/4	388.12	3/4	92.32	3/4	3/4	3/4	3/4	3/4	3/4
1	1,856.09	1	1,560.19	1	1,264.14	1	970.29	1	677.99	1	381.96	1	86.19	1	1	1	1	1	1
1/4	1,849.92	1/4	1,554.03	1/4	1,257.97	1/4	964.21	1/4	671.82	1/4	375.79	1/4	80.09	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,843.76	1/2	1,547.86	1/2	1,251.80	1/2	958.13	1/2	665.65	1/2	369.62	1/2	73.99	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,837.59	3/4	1,541.69	3/4	1,245.64	3/4	952.04	3/4	659.49	3/4	363.46	3/4	67.90	3/4	3/4	3/4	3/4	3/4	3/4
2	1,831.43	2	1,535.52	2	1,239.47	2	945.96	2	653.32	2	357.29	2	61.80	2	2	2	2	2	2
1/4	1,825.27	1/4	1,529.36	1/4	1,233.30	1/4	939.88	1/4	647.15	1/4	351.12	1/4	55.76	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,819.10	1/2	1,523.19	1/2	1,227.13	1/2	933.80	1/2	640.98	1/2	344.95	1/2	49.72	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,812.94	3/4	1,517.02	3/4	1,220.97	3/4	927.71	3/4	634.82	3/4	338.79	3/4	43.68	3/4	3/4	3/4	3/4	3/4	3/4
3	1,806.77	3	1,510.85	3	1,214.80	3	921.63	3	628.65	3	332.62	3	37.64	3	3	3	3	3	3
1/4	1,800.61	1/4	1,504.68	1/4	1,208.63	1/4	915.55	1/4	622.48	1/4	326.45	1/4	32.51	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,794.44	1/2	1,498.52	1/2	1,202.46	1/2	909.47	1/2	616.31	1/2	320.28	1/2	27.38	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,788.28	3/4	1,492.35	3/4	1,196.29	3/4	903.40	3/4	610.15	3/4	314.12	3/4	22.25	3/4	3/4	3/4	3/4	3/4	3/4
4	1,782.12	4	1,486.18	4	1,190.13	4	897.32	4	603.98	4	307.95	4	17.12	4	4	4	4	4	4
1/4	1,775.95	1/4	1,480.01	1/4	1,183.96	1/4	891.24	1/4	597.81	1/4	301.78	1/4	14.04	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,769.79	1/2	1,473.85	1/2	1,177.79	1/2	885.16	1/2	591.65	1/2	295.62	1/2	10.96	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,763.62	3/4	1,467.68	3/4	1,171.62	3/4	879.09	3/4	585.48	3/4	289.45	3/4	7.87	3/4	3/4	3/4	3/4	3/4	3/4
5	1,757.46	5	1,461.51	5	1,165.46	5	873.01	5	579.31	5	283.28	5	4.79	5	5	5	5	5	5
1/4	1,751.30	1/4	1,455.34	1/4	1,159.29	1/4	866.93	1/4	573.14	1/4	277.11	1/4	3.76	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,745.13	1/2	1,449.17	1/2	1,153.12	1/2	860.85	1/2	566.98	1/2	270.95	1/2	2.73	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,738.97	3/4	1,443.01	3/4	1,146.95	3/4	854.78	3/4	560.81	3/4	264.78	3/4	1.71	3/4	3/4	3/4	3/4	3/4	3/4
6	1,732.80	6	1,436.84	6	1,140.78	6	848.70	6	554.64	6	258.61	6	0.68	6	6	6	6	6	6
1/4	1,726.64	1/4	1,430.67	1/4	1,134.66	1/4	842.62	1/4	548.47	1/4	252.44	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,720.48	1/2	1,424.50	1/2	1,128.53	1/2	836.54	1/2	542.31	1/2	246.28	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,714.31	3/4	1,418.33	3/4	1,122.41	3/4	830.47	3/4	536.14	3/4	240.11	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,708.15	7	1,412.17	7	1,116.29	7	824.39	7	529.97	7	233.94	7	7	7	7	7	7	7	7
1/4	1,701.98	1/4	1,406.00	1/4	1,110.20	1/4	818.31	1/4	523.81	1/4	227.77	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,695.82	1/2	1,399.83	1/2	1,104.12	1/2	812.23	1/2	517.64	1/2	221.61	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,689.66	3/4	1,393.66	3/4	1,098.04	3/4	806.16	3/4	511.47	3/4	215.44	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
8	1,683.49	8	1,387.50	8	1,091.95	8	800.08	8	505.30	8	209.27	8	8	8	8	8	8	8	8
1/4	1,677.33	1/4	1,381.33	1/4	1,085.87	1/4	794.00	1/4	499.14	1/4	203.11	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,671.16	1/2	1,375.16	1/2	1,079.79	1/2	787.92	1/2	492.97	1/2	196.94	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,665.00	3/4	1,368.99	3/4	1,073.70	3/4	781.84	3/4	486.80	3/4	190.77	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
9	1,658.83	9	1,362.82	9	1,067.62	9	775.77	9	480.63	9	184.60	9	9	9	9	9	9	9	9
1/4	1,652.67	1/4	1,356.66	1/4	1,061.54	1/4	769.69	1/4	474.47	1/4	178.44	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,646.51	1/2	1,350.49	1/2	1,055.46	1/2	763.61	1/2	468.30	1/2	172.27	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,640.34	3/4	1,344.32	3/4	1,049.37	3/4	757.53	3/4	462.13	3/4	166.10	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
10	1,634.18	10	1,338.15	10	1,043.29	10	751.46	10	455.97	10	159.94	10	10	10	10	10	10	10	10
1/4	1,628.01	1/4	1,331.99	1/4	1,037.21	1/4	745.38	1/4	449.80	1/4	153.78	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,621.85	1/2	1,325.82	1/2	1,031.12	1/2	739.30	1/2	443.63	1/2	147.62	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,615.69	3/4	1,319.65	3/4	1,025.04	3/4	733.23	3/4	437.46	3/4	141.45	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
11	1,609.52	11	1,313.48	11	1,018.96	11	727.15	11	431.30	11	135.29	11	11	11	11	11	11	11	11
1/4	1,603.36	1/4	1,307.31	1/4	1,012.87	1/4	721.03	1/4	425.13	1/4	129.14	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,597.19	1/2	1,301.15	1/2	1,006.79	1/2	714.90	1/2	418.96	1/2	123.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,591.03	3/4	1,294.98	3/4	1,000.71	3/4	708.78	3/4	412.79	3/4	116.85	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/08/2010 CL - SW  
CALCULATED: 04/08/2010 CL  
PRINTED: 04/08/2010 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 11013B"

## 3 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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							3,531.73		3,337.61		3,143.49		2,949.37		2,734.40		2,441.64		2,148.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,528.66	1/4	3,333.56	1/4	3,139.45	1/4	2,945.33	1/4	2,728.30	1/4	2,435.53	1/4	2,142.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,525.60	1/2	3,329.52	1/2	3,135.40	1/2	2,941.29	1/2	2,722.21	1/2	2,429.42	1/2	2,136.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,520.48	3/4	3,325.48	3/4	3,131.36	3/4	2,937.24	3/4	2,716.12	3/4	2,423.30	3/4	2,129.91
<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>3,515.37</b>	<b>1</b>	<b>3,321.43</b>	<b>1</b>	<b>3,127.31</b>	<b>1</b>	<b>2,933.20</b>	<b>1</b>	<b>2,710.02</b>	<b>1</b>	<b>2,417.19</b>	<b>1</b>	<b>2,123.80</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,510.26	1/4	3,317.39	1/4	3,123.27	1/4	2,929.15	1/4	2,703.93	1/4	2,411.08	1/4	2,117.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,505.15	1/2	3,313.34	1/2	3,119.23	1/2	2,925.11	1/2	2,697.84	1/2	2,404.97	1/2	2,111.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,501.24	3/4	3,309.30	3/4	3,115.18	3/4	2,921.07	3/4	2,691.74	3/4	2,398.85	3/4	2,105.46
<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>3,497.33</b>	<b>2</b>	<b>3,305.26</b>	<b>2</b>	<b>3,111.14</b>	<b>2</b>	<b>2,917.02</b>	<b>2</b>	<b>2,685.65</b>	<b>2</b>	<b>2,392.74</b>	<b>2</b>	<b>2,099.35</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,493.42	1/4	3,301.21	1/4	3,107.09	1/4	2,912.98	1/4	2,679.55	1/4	2,386.63	1/4	2,093.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,489.51	1/2	3,297.17	1/2	3,103.05	1/2	2,908.93	1/2	2,673.46	1/2	2,380.52	1/2	2,087.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,485.56	3/4	3,293.12	3/4	3,099.01	3/4	2,904.89	3/4	2,667.37	3/4	2,374.40	3/4	2,081.01
<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3,481.62</b>	<b>3</b>	<b>3,289.08</b>	<b>3</b>	<b>3,090.96</b>	<b>3</b>	<b>2,900.85</b>	<b>3</b>	<b>2,661.27</b>	<b>3</b>	<b>2,368.29</b>	<b>3</b>	<b>2,074.90</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,477.67	1/4	3,285.03	1/4	3,090.92	1/4	2,896.80	1/4	2,655.18	1/4	2,362.18	1/4	2,068.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,473.73	1/2	3,280.99	1/2	3,086.87	1/2	2,892.76	1/2	2,649.09	1/2	2,356.07	1/2	2,062.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,469.77	3/4	3,276.95	3/4	3,082.83	3/4	2,888.71	3/4	2,642.99	3/4	2,349.96	3/4	2,056.56
<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>3,465.81</b>	<b>4</b>	<b>3,272.90</b>	<b>4</b>	<b>3,078.79</b>	<b>4</b>	<b>2,884.67</b>	<b>4</b>	<b>2,636.90</b>	<b>4</b>	<b>2,343.84</b>	<b>4</b>	<b>2,050.45</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,461.85	1/4	3,268.86	1/4	3,074.74	1/4	2,880.62	1/4	2,630.80	1/4	2,337.73	1/4	2,044.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,457.90	1/2	3,264.81	1/2	3,070.70	1/2	2,876.58	1/2	2,624.71	1/2	2,331.62	1/2	2,038.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,453.94	3/4	3,260.77	3/4	3,066.65	3/4	2,872.54	3/4	2,618.62	3/4	2,325.51	3/4	2,032.12
<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>3,449.98</b>	<b>5</b>	<b>3,256.73</b>	<b>5</b>	<b>3,062.61</b>	<b>5</b>	<b>2,868.49</b>	<b>5</b>	<b>2,612.52</b>	<b>5</b>	<b>2,319.39</b>	<b>5</b>	<b>2,026.00</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,446.02	1/4	3,252.68	1/4	3,058.57	1/4	2,864.45	1/4	2,606.43	1/4	2,313.28	1/4	2,019.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,442.06	1/2	3,248.64	1/2	3,054.52	1/2	2,860.40	1/2	2,600.34	1/2	2,307.17	1/2	2,013.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,438.10	3/4	3,244.59	3/4	3,050.48	3/4	2,856.36	3/4	2,594.24	3/4	2,301.06	3/4	2,007.67
<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>3,434.14</b>	<b>6</b>	<b>3,240.55</b>	<b>6</b>	<b>3,046.43</b>	<b>6</b>	<b>2,852.32</b>	<b>6</b>	<b>2,588.15</b>	<b>6</b>	<b>2,294.94</b>	<b>6</b>	<b>2,001.55</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,430.19	1/4	3,236.51	1/4	3,042.39	1/4	2,848.27	1/4	2,582.06	1/4	2,288.83	1/4	1,995.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,426.23	1/2	3,232.46	1/2	3,038.34	1/2	2,844.23	1/2	2,575.96	1/2	2,282.72	1/2	1,989.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,422.27	3/4	3,228.42	3/4	3,034.30	3/4	2,840.18	3/4	2,569.87	3/4	2,276.61	3/4	1,983.22
<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>3,418.32</b>	<b>7</b>	<b>3,224.37</b>	<b>7</b>	<b>3,030.26</b>	<b>7</b>	<b>2,836.14</b>	<b>7</b>	<b>2,563.77</b>	<b>7</b>	<b>2,270.50</b>	<b>7</b>	<b>1,977.10</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,414.36	1/4	3,220.33	1/4	3,026.21	1/4	2,832.10	1/4	2,557.68	1/4	2,264.38	1/4	1,970.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,410.40	1/2	3,216.29	1/2	3,022.17	1/2	2,828.05	1/2	2,551.59	1/2	2,258.27	1/2	1,964.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,406.36	3/4	3,212.24	3/4	3,018.12	3/4	2,823.98	3/4	2,545.49	3/4	2,252.16	3/4	1,958.77
<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>3,402.31</b>	<b>8</b>	<b>3,208.20</b>	<b>8</b>	<b>3,014.08</b>	<b>8</b>	<b>2,819.91</b>	<b>8</b>	<b>2,539.40</b>	<b>8</b>	<b>2,246.05</b>	<b>8</b>	<b>1,952.66</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,398.27	1/4	3,204.15	1/4	3,010.04	1/4	2,815.84	1/4	2,533.31	1/4	2,239.93	1/4	1,946.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,394.23	1/2	3,200.11	1/2	3,005.99	1/2	2,811.78	1/2	2,527.21	1/2	2,233.82	1/2	1,940.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,390.18	3/4	3,196.06	3/4	3,001.95	3/4	2,807.71	3/4	2,521.10	3/4	2,227.71	3/4	1,934.32
<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>3,386.14</b>	<b>9</b>	<b>3,192.02</b>	<b>9</b>	<b>2,997.90</b>	<b>9</b>	<b>2,803.64</b>	<b>9</b>	<b>2,514.99</b>	<b>9</b>	<b>2,221.60</b>	<b>9</b>	<b>1,928.21</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,382.09	1/4	3,187.98	1/4	2,993.86	1/4	2,799.57	1/4	2,508.87	1/4	2,215.48	1/4	1,922.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,378.05	1/2	3,183.93	1/2	2,989.82	1/2	2,795.50	1/2	2,502.76	1/2	2,209.37	1/2	1,915.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,374.01	3/4	3,179.89	3/4	2,985.77	3/4	2,789.36	3/4	2,496.65	3/4	2,203.26	3/4	1,909.87
<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>3,369.96</b>	<b>10</b>	<b>3,175.84</b>	<b>10</b>	<b>2,981.73</b>	<b>10</b>	<b>2,783.23</b>	<b>10</b>	<b>2,490.54</b>	<b>10</b>	<b>2,197.15</b>	<b>10</b>	<b>1,903.76</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,365.92	1/4	3,171.80	1/4	2,977.68	1/4	2,777.09	1/4	2,484.43	1/4	2,191.04	1/4	1,897.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,361.87	1/2	3,167.76	1/2	2,973.64	1/2	2,770.96	1/2	2,478.31	1/2	2,184.92	1/2	1,891.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,357.83	3/4	3,163.71	3/4	2,969.59	3/4	2,764.87	3/4	2,472.20	3/4	2,178.81	3/4	1,885.42
<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>3,539.92</b>	<b>11</b>	<b>3,353.78</b>	<b>11</b>	<b>3,159.67</b>	<b>11</b>	<b>2,965.55</b>	<b>11</b>	<b>2,758.77</b>	<b>11</b>	<b>2,466.09</b>	<b>11</b>	<b>2,172.70</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,538.89	1/4	3,349.74	1/4	3,155.62	1/4	2,961.51	1/4	2,752.68	1/4	2,459.98	1/4	2,165.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,537.87	1/2	3,345.70	1/2	3,151.58	1/2	2,957.46	1/2	2,746.59	1/2	2,453.86	1/2	2,160.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,534.80	3/4	3,341.65	3/4	3,147.54	3/4	2,953.42	3/4	2,740.49	3/4	2,447.75	3/4	2,154.36

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 29'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 11013B"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	1,854.86	0	1,561.20	0	1,267.41	0	973.61	0	685.88	0	391.91	0	97.96	0		0		0	
1/4	1,848.75	1/4	1,555.08	1/4	1,261.29	1/4	967.49	1/4	679.77	1/4	385.78	1/4	91.86	1/4	1/4	1/4		1/4	
1/2	1,842.63	1/2	1,548.96	1/2	1,255.16	1/2	961.37	1/2	673.66	1/2	379.66	1/2	85.77	1/2	1/2	1/2		1/2	
3/4	1,836.52	3/4	1,542.84	3/4	1,249.04	3/4	955.31	3/4	667.54	3/4	373.53	3/4	79.70	3/4	3/4	3/4		3/4	
1	1,830.41	1	1,536.72	1	1,242.92	1	949.25	1	661.42	1	367.41	1	73.63	1	1	1		1	
1/4	1,824.30	1/4	1,530.60	1/4	1,236.80	1/4	943.19	1/4	655.29	1/4	361.28	1/4	67.57	1/4	1/4	1/4		1/4	
1/2	1,818.19	1/2	1,524.48	1/2	1,230.68	1/2	937.14	1/2	649.17	1/2	355.16	1/2	61.50	1/2	1/2	1/2		1/2	
3/4	1,812.07	3/4	1,518.36	3/4	1,224.56	3/4	931.14	3/4	643.04	3/4	349.03	3/4	55.49	3/4	3/4	3/4		3/4	
2	1,805.96	2	1,512.24	2	1,218.44	2	925.15	2	636.92	2	342.91	2	49.48	2	2	2		2	
1/4	1,799.85	1/4	1,506.12	1/4	1,212.32	1/4	919.15	1/4	630.79	1/4	336.78	1/4	43.47	1/4	1/4	1/4		1/4	
1/2	1,793.74	1/2	1,500.00	1/2	1,206.20	1/2	913.16	1/2	624.67	1/2	330.66	1/2	37.46	1/2	1/2	1/2		1/2	
3/4	1,787.62	3/4	1,493.88	3/4	1,200.08	3/4	907.16	3/4	618.54	3/4	324.53	3/4	32.36	3/4	3/4	3/4		3/4	
3	1,781.49	3	1,487.76	3	1,193.96	3	901.17	3	612.42	3	318.41	3	27.25	3	3	3		3	
1/4	1,775.37	1/4	1,481.63	1/4	1,187.84	1/4	895.17	1/4	606.29	1/4	312.28	1/4	22.15	1/4	1/4	1/4		1/4	
1/2	1,769.25	1/2	1,475.51	1/2	1,181.72	1/2	889.18	1/2	600.17	1/2	306.16	1/2	17.04	1/2	1/2	1/2		1/2	
3/4	1,763.13	3/4	1,469.39	3/4	1,175.59	3/4	883.20	3/4	594.04	3/4	300.03	3/4	13.97	3/4	3/4	3/4		3/4	
4	1,757.01	4	1,463.27	4	1,169.47	4	877.22	4	587.92	4	293.91	4	10.91	4	4	4		4	
1/4	1,750.89	1/4	1,457.15	1/4	1,163.35	1/4	871.25	1/4	581.79	1/4	287.78	1/4	7.84	1/4	1/4	1/4		1/4	
1/2	1,744.77	1/2	1,451.03	1/2	1,157.23	1/2	865.27	1/2	575.67	1/2	281.66	1/2	4.77	1/2	1/2	1/2		1/2	
3/4	1,738.65	3/4	1,444.91	3/4	1,151.11	3/4	859.31	3/4	569.54	3/4	275.53	3/4	3.75	3/4	3/4	3/4		3/4	
5	1,732.53	5	1,438.79	5	1,144.99	5	853.35	5	563.42	5	269.41	5	2.72	5	5	5		5	
1/4	1,726.41	1/4	1,432.67	1/4	1,138.87	1/4	847.39	1/4	557.29	1/4	263.28	1/4	1.70	1/4	1/4	1/4		1/4	
1/2	1,720.29	1/2	1,426.55	1/2	1,132.75	1/2	841.42	1/2	551.16	1/2	257.16	1/2	0.68	1/2	1/2	1/2		1/2	
3/4	1,714.17	3/4	1,420.43	3/4	1,126.63	3/4	835.46	3/4	545.04	3/4	251.03	3/4		3/4	3/4	3/4		3/4	
6	1,708.05	6	1,414.31	6	1,120.51	6	829.50	6	538.91	6	244.90	6		6	6	6		6	
1/4	1,701.93	1/4	1,408.18	1/4	1,114.39	1/4	823.54	1/4	532.79	1/4	238.78	1/4		1/4	1/4	1/4		1/4	
1/2	1,695.81	1/2	1,402.06	1/2	1,108.27	1/2	817.58	1/2	526.66	1/2	232.65	1/2		1/2	1/2	1/2		1/2	
3/4	1,689.69	3/4	1,395.94	3/4	1,102.14	3/4	811.62	3/4	520.54	3/4	226.53	3/4		3/4	3/4	3/4		3/4	
7	1,683.57	7	1,389.82	7	1,096.02	7	805.65	7	514.41	7	220.40	7		7	7	7		7	
1/4	1,677.46	1/4	1,383.70	1/4	1,089.90	1/4	799.69	1/4	508.29	1/4	214.28	1/4		1/4	1/4	1/4		1/4	
1/2	1,671.34	1/2	1,377.58	1/2	1,083.78	1/2	793.73	1/2	502.16	1/2	208.15	1/2		1/2	1/2	1/2		1/2	
3/4	1,665.22	3/4	1,371.46	3/4	1,077.66	3/4	787.77	3/4	496.04	3/4	202.03	3/4		3/4	3/4	3/4		3/4	
8	1,659.10	8	1,365.34	8	1,071.54	8	781.81	8	489.91	8	195.90	8		8	8	8		8	
1/4	1,652.98	1/4	1,359.22	1/4	1,065.42	1/4	775.85	1/4	483.79	1/4	189.78	1/4		1/4	1/4	1/4		1/4	
1/2	1,646.86	1/2	1,353.10	1/2	1,059.30	1/2	769.89	1/2	477.66	1/2	183.65	1/2		1/2	1/2	1/2		1/2	
3/4	1,640.75	3/4	1,346.98	3/4	1,053.18	3/4	763.92	3/4	471.54	3/4	177.53	3/4		3/4	3/4	3/4		3/4	
9	1,634.63	9	1,340.86	9	1,047.06	9	757.96	9	465.41	9	171.40	9		9	9	9		9	
1/4	1,628.51	1/4	1,334.74	1/4	1,040.94	1/4	752.00	1/4	459.29	1/4	165.28	1/4		1/4	1/4	1/4		1/4	
1/2	1,622.39	1/2	1,328.61	1/2	1,034.82	1/2	746.04	1/2	453.16	1/2	159.15	1/2		1/2	1/2	1/2		1/2	
3/4	1,616.27	3/4	1,322.49	3/4	1,028.70	3/4	740.08	3/4	447.04	3/4	153.02	3/4		3/4	3/4	3/4		3/4	
10	1,610.16	10	1,316.37	10	1,022.57	10	734.12	10	440.91	10	146.89	10		10	10	10		10	
1/4	1,604.04	1/4	1,310.25	1/4	1,016.45	1/4	728.16	1/4	434.79	1/4	140.76	1/4		1/4	1/4	1/4		1/4	
1/2	1,597.92	1/2	1,304.13	1/2	1,010.33	1/2	722.19	1/2	428.66	1/2	134.63	1/2		1/2	1/2	1/2		1/2	
3/4	1,591.80	3/4	1,298.01	3/4	1,004.21	3/4	716.17	3/4	422.54	3/4	128.51	3/4		3/4	3/4	3/4		3/4	
11	1,585.68	11	1,291.89	11	998.09	11	710.14	11	416.41	11	122.40	11		11	11	11		11	
1/4	1,579.56	1/4	1,285.77	1/4	991.97	1/4	704.12	1/4	410.29	1/4	116.28	1/4		1/4	1/4	1/4		1/4	
1/2	1,573.45	1/2	1,279.65	1/2	985.85	1/2	698.09	1/2	404.16	1/2	110.16	1/2		1/2	1/2	1/2		1/2	
3/4	1,567.33	3/4	1,273.53	3/4	979.73	3/4	691.99	3/4	398.03	3/4	104.06	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/08/2010 CL - SW  
CALCULATED: 04/08/2010 CL  
PRINTED: 04/08/2010 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2010

PRECISION MEASUREMENT  
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