



BARGE "KIRBY 11017B"

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	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
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	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 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 23, 2010

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

<http://www.pmacorp.net>



BARGE "KIRBY 11017B"

1 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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	4,107.77	0	3,819.63	0	3,511.97	0	3,204.31	0	2,896.19	0	2,587.13	0	2,278.07		
1/4		1/4		1/4		1/4	4,104.54	1/4	3,813.22	1/4	3,505.56	1/4	3,197.90	1/4	2,889.75	1/4	2,580.69	1/4	2,271.63		
1/2		1/2		1/2		1/2	4,101.32	1/2	3,806.81	1/2	3,499.15	1/2	3,191.49	1/2	2,883.31	1/2	2,574.25	1/2	2,265.19		
3/4		3/4		3/4		3/4	4,098.10	3/4	3,800.40	3/4	3,492.74	3/4	3,185.08	3/4	2,876.87	3/4	2,567.81	3/4	2,258.75		
1		1		1		1	4,094.88	1	3,794.00	1	3,486.33	1	3,178.67	1	2,870.43	1	2,561.37	1	2,252.32		
1/4		1/4		1/4		1/4	4,089.51	1/4	3,787.59	1/4	3,479.92	1/4	3,172.26	1/4	2,863.99	1/4	2,554.93	1/4	2,245.88		
1/2		1/2		1/2		1/2	4,084.15	1/2	3,781.18	1/2	3,473.52	1/2	3,165.85	1/2	2,857.55	1/2	2,548.50	1/2	2,239.44		
3/4		3/4		3/4		3/4	4,078.78	3/4	3,774.77	3/4	3,467.11	3/4	3,159.44	3/4	2,851.11	3/4	2,542.06	3/4	2,233.00		
2		2		2		2	4,073.42	2	3,768.36	2	3,460.70	2	3,153.04	2	2,844.68	2	2,535.62	2	2,226.56		
1/4		1/4		1/4		1/4	4,067.15	1/4	3,761.95	1/4	3,454.29	1/4	3,146.63	1/4	2,838.24	1/4	2,529.18	1/4	2,220.12		
1/2		1/2		1/2		1/2	4,060.89	1/2	3,755.54	1/2	3,447.88	1/2	3,140.22	1/2	2,831.80	1/2	2,522.74	1/2	2,213.68		
3/4		3/4		3/4		3/4	4,054.63	3/4	3,749.13	3/4	3,441.47	3/4	3,133.81	3/4	2,825.36	3/4	2,516.30	3/4	2,207.24		
3		3		3		3	4,048.37	3	3,742.72	3	3,435.06	3	3,127.40	3	2,818.92	3	2,509.86	3	2,200.81		
1/4		1/4		1/4		1/4	4,042.07	1/4	3,736.31	1/4	3,428.65	1/4	3,120.99	1/4	2,812.48	1/4	2,503.42	1/4	2,194.37		
1/2		1/2		1/2		1/2	4,035.77	1/2	3,729.90	1/2	3,422.24	1/2	3,114.58	1/2	2,806.04	1/2	2,496.99	1/2	2,187.93		
3/4		3/4		3/4		3/4	4,029.47	3/4	3,723.49	3/4	3,415.83	3/4	3,108.17	3/4	2,799.61	3/4	2,490.55	3/4	2,181.49		
4		4		4		4	4,023.17	4	3,717.08	4	3,409.42	4	3,101.76	4	2,793.17	4	2,484.11	4	2,175.05		
1/4		1/4		1/4		1/4	4,016.86	1/4	3,710.67	1/4	3,403.01	1/4	3,095.35	1/4	2,786.73	1/4	2,477.67	1/4	2,168.61		
1/2		1/2		1/2		1/2	4,010.54	1/2	3,704.26	1/2	3,396.60	1/2	3,088.94	1/2	2,780.29	1/2	2,471.23	1/2	2,162.17		
3/4		3/4		3/4		3/4	4,004.23	3/4	3,697.85	3/4	3,390.19	3/4	3,082.53	3/4	2,773.85	3/4	2,464.79	3/4	2,155.74		
5		5		5		5	3,997.92	5	3,691.44	5	3,383.78	5	3,076.12	5	2,767.41	5	2,458.35	5	2,149.30		
1/4		1/4		1/4		1/4	3,991.60	1/4	3,685.03	1/4	3,377.37	1/4	3,069.71	1/4	2,760.97	1/4	2,451.92	1/4	2,142.86		
1/2		1/2		1/2		1/2	3,985.29	1/2	3,678.62	1/2	3,370.96	1/2	3,063.30	1/2	2,754.53	1/2	2,445.48	1/2	2,136.42		
3/4		3/4		3/4		3/4	3,978.98	3/4	3,672.21	3/4	3,364.55	3/4	3,056.89	3/4	2,748.10	3/4	2,439.04	3/4	2,129.98		
6		6		6		6	3,972.66	6	3,665.80	6	3,358.14	6	3,050.48	6	2,741.66	6	2,432.60	6	2,123.54		
1/4		1/4		1/4		1/4	3,966.35	1/4	3,659.39	1/4	3,351.73	1/4	3,044.07	1/4	2,735.22	1/4	2,426.16	1/4	2,117.10		
1/2		1/2		1/2		1/2	3,960.04	1/2	3,652.98	1/2	3,345.32	1/2	3,037.66	1/2	2,728.78	1/2	2,419.72	1/2	2,110.66		
3/4		3/4		3/4		3/4	3,953.73	3/4	3,646.57	3/4	3,338.91	3/4	3,031.25	3/4	2,722.34	3/4	2,413.28	3/4	2,104.23		
7		7		7		7	3,947.42	7	3,640.16	7	3,332.50	7	3,024.84	7	2,715.90	7	2,406.84	7	2,097.79		
1/4		1/4		1/4		1/4	3,941.12	1/4	3,633.76	1/4	3,326.09	1/4	3,018.43	1/4	2,709.46	1/4	2,400.41	1/4	2,091.35		
1/2		1/2		1/2		1/2	3,934.81	1/2	3,627.35	1/2	3,319.68	1/2	3,012.02	1/2	2,703.02	1/2	2,393.97	1/2	2,084.91		
3/4		3/4		3/4		3/4	3,928.50	3/4	3,620.94	3/4	3,313.28	3/4	3,005.61	3/4	2,696.59	3/4	2,387.53	3/4	2,078.47		
8		8		8		8	3,922.19	8	3,614.53	8	3,306.87	8	2,999.20	8	2,690.15	8	2,381.09	8	2,072.03		
1/4		1/4		1/4		1/4	3,915.78	1/4	3,608.12	1/4	3,300.46	1/4	2,992.77	1/4	2,683.71	1/4	2,374.65	1/4	2,065.59		
1/2		1/2		1/2		1/2	3,909.37	1/2	3,601.71	1/2	3,294.05	1/2	2,986.33	1/2	2,677.27	1/2	2,368.21	1/2	2,059.15		
3/4		3/4		3/4		3/4	3,902.96	3/4	3,595.30	3/4	3,287.64	3/4	2,979.89	3/4	2,670.83	3/4	2,361.77	3/4	2,052.72		
9		9		9		9	3,896.55	9	3,588.89	9	3,281.23	9	2,973.45	9	2,664.39	9	2,355.33	9	2,046.28		
1/4		1/4		1/4		1/4	3,890.14	1/4	3,582.48	1/4	3,274.82	1/4	2,967.01	1/4	2,657.95	1/4	2,348.90	1/4	2,039.84		
1/2		1/2		1/2		1/2	3,883.73	1/2	3,576.07	1/2	3,268.41	1/2	2,960.57	1/2	2,651.52	1/2	2,342.46	1/2	2,033.40		
3/4		3/4		3/4		3/4	3,877.32	3/4	3,569.66	3/4	3,262.00	3/4	2,954.13	3/4	2,645.08	3/4	2,336.02	3/4	2,026.96		
10		10		10		10	3,870.91	10	3,563.25	10	3,255.59	10	2,947.70	10	2,638.64	10	2,329.58	10	2,020.52		
1/4		1/4		1/4		1/4	3,864.50	1/4	3,556.84	1/4	3,249.18	1/4	2,941.26	1/4	2,632.20	1/4	2,323.14	1/4	2,014.08		
1/2		1/2		1/2		1/2	3,858.09	1/2	3,550.43	1/2	3,242.77	1/2	2,934.82	1/2	2,625.76	1/2	2,316.70	1/2	2,007.64		
3/4		3/4		3/4		3/4	3,851.68	3/4	3,544.02	3/4	3,236.36	3/4	2,928.38	3/4	2,619.32	3/4	2,310.26	3/4	2,001.21		
11		11		11		11	3,845.27	11	3,537.61	11	3,229.95	11	2,921.94	11	2,612.88	11	2,303.83	11	1,994.77		
1/4		1/4		1/4		1/4	3,838.86	1/4	3,531.20	1/4	3,223.54	1/4	2,915.50	1/4	2,606.44	1/4	2,297.39	1/4	1,988.33		
1/2		1/2		1/2		1/2	4,109.91	1/2	3,832.45	1/2	3,524.79	1/2	3,217.13	1/2	2,909.06	1/2	2,600.01	1/2	2,290.95	1/2	1,981.89
3/4		3/4		3/4		3/4	4,108.84	3/4	3,826.04	3/4	3,518.38	3/4	3,210.72	3/4	2,902.62	3/4	2,593.57	3/4	2,284.51	3/4	1,975.45

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'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "KIRBY 11017B"

1 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	1,969.01	0	1,659.96	0	1,350.72	0	1,042.37	0	733.91	0	424.70	0	115.60	0		0		0	
1/4	1,962.57	1/4	1,653.51	1/4	1,344.28	1/4	1,035.96	1/4	727.47	1/4	418.26	1/4	109.20	1/4	1/4	1/4		1/4	1/4
1/2	1,956.14	1/2	1,647.07	1/2	1,337.84	1/2	1,029.56	1/2	721.03	1/2	411.82	1/2	102.80	1/2	1/2	1/2		1/2	1/2
3/4	1,949.70	3/4	1,640.63	3/4	1,331.40	3/4	1,023.15	3/4	714.59	3/4	405.38	3/4	96.40	3/4	3/4	3/4		3/4	3/4
1	1,943.26	1	1,634.19	1	1,324.96	1	1,016.75	1	708.15	1	398.93	1	90.00	1	1	1		1	1
1/4	1,936.82	1/4	1,627.74	1/4	1,318.51	1/4	1,010.34	1/4	701.70	1/4	392.49	1/4	83.63	1/4	1/4	1/4		1/4	1/4
1/2	1,930.38	1/2	1,621.30	1/2	1,312.07	1/2	1,003.94	1/2	695.26	1/2	386.05	1/2	77.26	1/2	1/2	1/2		1/2	1/2
3/4	1,923.94	3/4	1,614.86	3/4	1,305.63	3/4	997.53	3/4	688.82	3/4	379.61	3/4	70.89	3/4	3/4	3/4		3/4	3/4
2	1,917.50	2	1,608.42	2	1,299.19	2	991.12	2	682.38	2	373.17	2	64.53	2	2	2		2	2
1/4	1,911.06	1/4	1,601.97	1/4	1,292.74	1/4	984.72	1/4	675.94	1/4	366.73	1/4	58.22	1/4	1/4	1/4		1/4	1/4
1/2	1,904.63	1/2	1,595.53	1/2	1,286.30	1/2	978.31	1/2	669.49	1/2	360.28	1/2	51.91	1/2	1/2	1/2		1/2	1/2
3/4	1,898.19	3/4	1,589.09	3/4	1,279.86	3/4	971.91	3/4	663.05	3/4	353.84	3/4	45.60	3/4	3/4	3/4		3/4	3/4
3	1,891.75	3	1,582.65	3	1,273.42	3	965.50	3	656.61	3	347.40	3	39.29	3	3	3		3	3
1/4	1,885.31	1/4	1,576.21	1/4	1,266.97	1/4	959.10	1/4	650.17	1/4	340.96	1/4	33.93	1/4	1/4	1/4		1/4	1/4
1/2	1,878.87	1/2	1,569.76	1/2	1,260.53	1/2	952.70	1/2	643.73	1/2	334.52	1/2	28.57	1/2	1/2	1/2		1/2	1/2
3/4	1,872.43	3/4	1,563.32	3/4	1,254.09	3/4	946.30	3/4	637.29	3/4	328.07	3/4	23.21	3/4	3/4	3/4		3/4	3/4
4	1,865.99	4	1,556.88	4	1,247.65	4	939.90	4	630.84	4	321.63	4	17.86	4	4	4		4	4
1/4	1,859.55	1/4	1,550.44	1/4	1,241.21	1/4	933.46	1/4	624.40	1/4	315.19	1/4	14.64	1/4	1/4	1/4		1/4	1/4
1/2	1,853.12	1/2	1,543.99	1/2	1,234.76	1/2	927.03	1/2	617.96	1/2	308.75	1/2	11.41	1/2	1/2	1/2		1/2	1/2
3/4	1,846.68	3/4	1,537.55	3/4	1,228.32	3/4	920.59	3/4	611.52	3/4	302.31	3/4	8.19	3/4	3/4	3/4		3/4	3/4
5	1,840.24	5	1,531.11	5	1,221.88	5	914.15	5	605.08	5	295.86	5	4.97	5	5	5		5	5
1/4	1,833.80	1/4	1,524.67	1/4	1,215.44	1/4	907.72	1/4	598.63	1/4	289.42	1/4	3.90	1/4	1/4	1/4		1/4	1/4
1/2	1,827.36	1/2	1,518.22	1/2	1,208.99	1/2	901.28	1/2	592.19	1/2	282.98	1/2	2.83	1/2	1/2	1/2		1/2	1/2
3/4	1,820.92	3/4	1,511.78	3/4	1,202.55	3/4	894.84	3/4	585.75	3/4	276.54	3/4	1.75	3/4	3/4	3/4		3/4	3/4
6	1,814.48	6	1,505.34	6	1,196.11	6	888.40	6	579.31	6	270.10	6	0.68	6	6	6		6	6
1/4	1,808.05	1/4	1,498.90	1/4	1,189.70	1/4	881.97	1/4	572.87	1/4	263.65	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,801.61	1/2	1,492.46	1/2	1,183.30	1/2	875.53	1/2	566.42	1/2	257.21	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,795.17	3/4	1,486.01	3/4	1,176.89	3/4	869.09	3/4	559.98	3/4	250.77	3/4		3/4	3/4	3/4		3/4	3/4
7	1,788.73	7	1,479.57	7	1,170.49	7	862.66	7	553.54	7	244.33	7		7	7	7		7	7
1/4	1,782.29	1/4	1,473.13	1/4	1,164.08	1/4	856.22	1/4	547.10	1/4	237.89	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,775.85	1/2	1,466.69	1/2	1,157.67	1/2	849.78	1/2	540.66	1/2	231.45	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,769.41	3/4	1,460.24	3/4	1,151.27	3/4	843.35	3/4	534.21	3/4	225.00	3/4		3/4	3/4	3/4		3/4	3/4
8	1,762.97	8	1,453.80	8	1,144.86	8	836.91	8	527.77	8	218.56	8		8	8	8		8	8
1/4	1,756.54	1/4	1,447.36	1/4	1,138.46	1/4	830.47	1/4	521.33	1/4	212.12	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,750.10	1/2	1,440.92	1/2	1,132.05	1/2	824.04	1/2	514.89	1/2	205.68	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,743.66	3/4	1,434.47	3/4	1,125.65	3/4	817.60	3/4	508.45	3/4	199.24	3/4		3/4	3/4	3/4		3/4	3/4
9	1,737.22	9	1,428.03	9	1,119.24	9	811.16	9	502.01	9	192.79	9		9	9	9		9	9
1/4	1,730.78	1/4	1,421.59	1/4	1,112.83	1/4	804.72	1/4	495.56	1/4	186.35	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,724.34	1/2	1,415.15	1/2	1,106.43	1/2	798.29	1/2	489.12	1/2	179.91	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,717.90	3/4	1,408.71	3/4	1,100.02	3/4	791.85	3/4	482.68	3/4	173.47	3/4		3/4	3/4	3/4		3/4	3/4
10	1,711.46	10	1,402.26	10	1,093.62	10	785.41	10	476.24	10	167.03	10		10	10	10		10	10
1/4	1,705.03	1/4	1,395.82	1/4	1,087.21	1/4	778.98	1/4	469.80	1/4	160.59	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,698.59	1/2	1,389.38	1/2	1,080.81	1/2	772.54	1/2	463.35	1/2	154.16	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,692.15	3/4	1,382.94	3/4	1,074.40	3/4	766.11	3/4	456.91	3/4	147.72	3/4		3/4	3/4	3/4		3/4	3/4
11	1,685.71	11	1,376.49	11	1,067.99	11	759.67	11	450.47	11	141.29	11		11	11	11		11	11
1/4	1,679.27	1/4	1,370.05	1/4	1,061.59	1/4	753.23	1/4	444.03	1/4	134.87	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,672.83	1/2	1,363.61	1/2	1,055.18	1/2	746.79	1/2	437.59	1/2	128.44	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,666.39	3/4	1,357.17	3/4	1,048.78	3/4	740.35	3/4	431.14	3/4	122.02	3/4		3/4	3/4	3/4		3/4	3/4

STRAPPED: 04/23/2010 CL - SW
CALCULATED: 04/24/2010 CL
PRINTED: 04/24/2010 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
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BARGE "KIRBY 11017B"

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	1,882.15	0	1,586.05	0	1,289.77	0	995.37	0	703.18	0	406.93	0	110.78	0		0		0	
1/4	1,875.98	1/4	1,579.88	1/4	1,283.60	1/4	989.28	1/4	697.01	1/4	400.76	1/4	104.65	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,869.81	1/2	1,573.70	1/2	1,277.43	1/2	983.19	1/2	690.84	1/2	394.59	1/2	98.52	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,863.64	3/4	1,567.53	3/4	1,271.26	3/4	977.10	3/4	684.66	3/4	388.41	3/4	92.38	3/4	3/4	3/4	3/4	3/4	3/4
1	1,857.47	1	1,561.36	1	1,265.08	1	971.02	1	678.49	1	382.24	1	86.25	1	1	1	1	1	1
1/4	1,851.30	1/4	1,555.19	1/4	1,258.91	1/4	964.93	1/4	672.32	1/4	376.07	1/4	80.15	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,845.13	1/2	1,549.01	1/2	1,252.74	1/2	958.84	1/2	666.15	1/2	369.90	1/2	74.05	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,838.96	3/4	1,542.84	3/4	1,246.57	3/4	952.75	3/4	659.98	3/4	363.73	3/4	67.95	3/4	3/4	3/4	3/4	3/4	3/4
2	1,832.80	2	1,536.67	2	1,240.39	2	946.67	2	653.81	2	357.56	2	61.85	2	2	2	2	2	2
1/4	1,826.63	1/4	1,530.50	1/4	1,234.22	1/4	940.58	1/4	647.63	1/4	351.38	1/4	55.80	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,820.46	1/2	1,524.32	1/2	1,228.05	1/2	934.49	1/2	641.46	1/2	345.21	1/2	49.76	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,814.29	3/4	1,518.15	3/4	1,221.88	3/4	928.40	3/4	635.29	3/4	339.04	3/4	43.72	3/4	3/4	3/4	3/4	3/4	3/4
3	1,808.12	3	1,511.98	3	1,215.70	3	922.32	3	629.12	3	332.87	3	37.67	3	3	3	3	3	3
1/4	1,801.95	1/4	1,505.81	1/4	1,209.53	1/4	916.23	1/4	622.95	1/4	326.70	1/4	32.54	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,795.78	1/2	1,499.63	1/2	1,203.36	1/2	910.15	1/2	616.77	1/2	320.52	1/2	27.40	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,789.61	3/4	1,493.46	3/4	1,197.19	3/4	904.07	3/4	610.60	3/4	314.35	3/4	22.27	3/4	3/4	3/4	3/4	3/4	3/4
4	1,783.45	4	1,487.29	4	1,191.01	4	897.99	4	604.43	4	308.18	4	17.14	4	4	4	4	4	4
1/4	1,777.28	1/4	1,481.12	1/4	1,184.84	1/4	891.91	1/4	598.26	1/4	302.01	1/4	14.05	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,771.11	1/2	1,474.94	1/2	1,178.67	1/2	885.82	1/2	592.09	1/2	295.84	1/2	10.96	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,764.94	3/4	1,468.77	3/4	1,172.50	3/4	879.74	3/4	585.92	3/4	289.66	3/4	7.88	3/4	3/4	3/4	3/4	3/4	3/4
5	1,758.77	5	1,462.60	5	1,166.32	5	873.66	5	579.74	5	283.49	5	4.79	5	5	5	5	5	5
1/4	1,752.60	1/4	1,456.43	1/4	1,160.15	1/4	867.58	1/4	573.57	1/4	277.32	1/4	3.76	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,746.43	1/2	1,450.25	1/2	1,153.98	1/2	861.49	1/2	567.40	1/2	271.15	1/2	2.74	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,740.26	3/4	1,444.08	3/4	1,147.81	3/4	855.41	3/4	561.23	3/4	264.98	3/4	1.71	3/4	3/4	3/4	3/4	3/4	3/4
6	1,734.10	6	1,437.91	6	1,141.63	6	849.33	6	555.06	6	258.80	6	0.68	6	6	6	6	6	6
1/4	1,727.93	1/4	1,431.74	1/4	1,135.50	1/4	843.25	1/4	548.88	1/4	252.63	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,721.76	1/2	1,425.57	1/2	1,129.38	1/2	837.17	1/2	542.71	1/2	246.46	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,715.59	3/4	1,419.39	3/4	1,123.25	3/4	831.08	3/4	536.54	3/4	240.29	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,709.42	7	1,413.22	7	1,117.12	7	825.00	7	530.37	7	234.12	7		7	7	7	7	7	7
1/4	1,703.25	1/4	1,407.05	1/4	1,111.03	1/4	818.92	1/4	524.20	1/4	227.95	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,697.08	1/2	1,400.88	1/2	1,104.94	1/2	812.84	1/2	518.02	1/2	221.77	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,690.92	3/4	1,394.70	3/4	1,098.85	3/4	806.76	3/4	511.85	3/4	215.60	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,684.75	8	1,388.53	8	1,092.77	8	800.67	8	505.68	8	209.43	8		8	8	8	8	8	8
1/4	1,678.58	1/4	1,382.36	1/4	1,086.68	1/4	794.59	1/4	499.51	1/4	203.26	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,672.41	1/2	1,376.19	1/2	1,080.59	1/2	788.51	1/2	493.34	1/2	197.09	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,666.24	3/4	1,370.01	3/4	1,074.50	3/4	782.43	3/4	487.16	3/4	190.91	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,660.07	9	1,363.84	9	1,068.42	9	776.35	9	480.99	9	184.74	9		9	9	9	9	9	9
1/4	1,653.90	1/4	1,357.67	1/4	1,062.33	1/4	770.26	1/4	474.82	1/4	178.57	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,647.73	1/2	1,351.50	1/2	1,056.24	1/2	764.18	1/2	468.65	1/2	172.40	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,641.57	3/4	1,345.32	3/4	1,050.15	3/4	758.10	3/4	462.48	3/4	166.23	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,635.40	10	1,339.15	10	1,044.07	10	752.02	10	456.31	10	160.06	10		10	10	10	10	10	10
1/4	1,629.23	1/4	1,332.98	1/4	1,037.98	1/4	745.94	1/4	450.13	1/4	153.89	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,623.06	1/2	1,326.81	1/2	1,031.89	1/2	739.86	1/2	443.96	1/2	147.73	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,616.89	3/4	1,320.63	3/4	1,025.80	3/4	733.77	3/4	437.79	3/4	141.56	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,610.72	11	1,314.46	11	1,019.72	11	727.69	11	431.62	11	135.39	11		11	11	11	11	11	11
1/4	1,604.55	1/4	1,308.29	1/4	1,013.63	1/4	721.56	1/4	425.45	1/4	129.24	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,598.38	1/2	1,302.12	1/2	1,007.54	1/2	715.44	1/2	419.27	1/2	123.09	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,592.22	3/4	1,295.94	3/4	1,001.45	3/4	709.31	3/4	413.10	3/4	116.93	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/23/2010 CL - SW
CALCULATED: 04/24/2010 CL
PRINTED: 04/24/2010 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 11017B"

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	1,860.40	0	1,566.84	0	1,273.13	0	979.43	0	691.77	0	397.91	0	104.03	0		0		0	
1/4	1,854.28	1/4	1,560.72	1/4	1,267.01	1/4	973.31	1/4	685.67	1/4	391.79	1/4	97.93	1/4	1/4	1/4		1/4	
1/2	1,848.17	1/2	1,554.60	1/2	1,260.90	1/2	967.19	1/2	679.56	1/2	385.66	1/2	91.84	1/2	1/2	1/2		1/2	
3/4	1,842.06	3/4	1,548.48	3/4	1,254.78	3/4	961.07	3/4	673.46	3/4	379.54	3/4	85.74	3/4	3/4	3/4		3/4	
1	1,835.95	1	1,542.36	1	1,248.66	1	955.01	1	667.33	1	373.42	1	79.68	1	1	1		1	
1/4	1,829.84	1/4	1,536.25	1/4	1,242.54	1/4	948.96	1/4	661.21	1/4	367.29	1/4	73.61	1/4	1/4	1/4		1/4	
1/2	1,823.73	1/2	1,530.13	1/2	1,236.42	1/2	942.90	1/2	655.09	1/2	361.17	1/2	67.55	1/2	1/2	1/2		1/2	
3/4	1,817.62	3/4	1,524.01	3/4	1,230.30	3/4	936.85	3/4	648.96	3/4	355.05	3/4	61.48	3/4	3/4	3/4		3/4	
2	1,811.51	2	1,517.89	2	1,224.18	2	930.85	2	642.84	2	348.92	2	55.48	2	2	2		2	
1/4	1,805.40	1/4	1,511.77	1/4	1,218.06	1/4	924.86	1/4	636.72	1/4	342.80	1/4	49.47	1/4	1/4	1/4		1/4	
1/2	1,799.29	1/2	1,505.65	1/2	1,211.94	1/2	918.87	1/2	630.60	1/2	336.68	1/2	43.46	1/2	1/2	1/2		1/2	
3/4	1,793.18	3/4	1,499.53	3/4	1,205.82	3/4	912.87	3/4	624.47	3/4	330.55	3/4	37.45	3/4	3/4	3/4		3/4	
3	1,787.06	3	1,493.41	3	1,199.71	3	906.88	3	618.35	3	324.43	3	32.35	3	3	3		3	
1/4	1,780.94	1/4	1,487.29	1/4	1,193.59	1/4	900.89	1/4	612.23	1/4	318.31	1/4	27.24	1/4	1/4	1/4		1/4	
1/2	1,774.82	1/2	1,481.18	1/2	1,187.47	1/2	894.90	1/2	606.10	1/2	312.19	1/2	22.14	1/2	1/2	1/2		1/2	
3/4	1,768.71	3/4	1,475.06	3/4	1,181.35	3/4	888.91	3/4	599.98	3/4	306.06	3/4	17.04	3/4	3/4	3/4		3/4	
4	1,762.59	4	1,468.94	4	1,175.23	4	882.93	4	593.86	4	299.94	4	13.97	4	4	4		4	
1/4	1,756.47	1/4	1,462.82	1/4	1,169.11	1/4	876.95	1/4	587.73	1/4	293.82	1/4	10.90	1/4	1/4	1/4		1/4	
1/2	1,750.35	1/2	1,456.70	1/2	1,162.99	1/2	870.98	1/2	581.61	1/2	287.69	1/2	7.84	1/2	1/2	1/2		1/2	
3/4	1,744.23	3/4	1,450.58	3/4	1,156.87	3/4	865.00	3/4	575.49	3/4	281.57	3/4	4.77	3/4	3/4	3/4		3/4	
5	1,738.11	5	1,444.46	5	1,150.75	5	859.04	5	569.36	5	275.45	5	3.75	5	5	5		5	
1/4	1,731.99	1/4	1,438.34	1/4	1,144.64	1/4	853.08	1/4	563.24	1/4	269.32	1/4	2.72	1/4	1/4	1/4		1/4	
1/2	1,725.87	1/2	1,432.22	1/2	1,138.52	1/2	847.12	1/2	557.12	1/2	263.20	1/2	1.70	1/2	1/2	1/2		1/2	
3/4	1,719.76	3/4	1,426.11	3/4	1,132.40	3/4	841.16	3/4	550.99	3/4	257.08	3/4	0.68	3/4	3/4	3/4		3/4	
6	1,713.64	6	1,419.99	6	1,126.28	6	835.20	6	544.87	6	250.95	6		6	6	6		6	
1/4	1,707.52	1/4	1,413.87	1/4	1,120.16	1/4	829.24	1/4	538.75	1/4	244.83	1/4		1/4	1/4	1/4		1/4	
1/2	1,701.40	1/2	1,407.75	1/2	1,114.04	1/2	823.28	1/2	532.62	1/2	238.71	1/2		1/2	1/2	1/2		1/2	
3/4	1,695.28	3/4	1,401.63	3/4	1,107.92	3/4	817.32	3/4	526.50	3/4	232.58	3/4		3/4	3/4	3/4		3/4	
7	1,689.17	7	1,395.51	7	1,101.80	7	811.36	7	520.38	7	226.46	7		7	7	7		7	
1/4	1,683.05	1/4	1,389.39	1/4	1,095.68	1/4	805.40	1/4	514.25	1/4	220.34	1/4		1/4	1/4	1/4		1/4	
1/2	1,676.94	1/2	1,383.27	1/2	1,089.57	1/2	799.44	1/2	508.13	1/2	214.21	1/2		1/2	1/2	1/2		1/2	
3/4	1,670.82	3/4	1,377.15	3/4	1,083.45	3/4	793.49	3/4	502.01	3/4	208.09	3/4		3/4	3/4	3/4		3/4	
8	1,664.70	8	1,371.04	8	1,077.33	8	787.53	8	495.88	8	201.97	8		8	8	8		8	
1/4	1,658.59	1/4	1,364.92	1/4	1,071.21	1/4	781.57	1/4	489.76	1/4	195.84	1/4		1/4	1/4	1/4		1/4	
1/2	1,652.47	1/2	1,358.80	1/2	1,065.09	1/2	775.61	1/2	483.64	1/2	189.72	1/2		1/2	1/2	1/2		1/2	
3/4	1,646.35	3/4	1,352.68	3/4	1,058.97	3/4	769.65	3/4	477.51	3/4	183.60	3/4		3/4	3/4	3/4		3/4	
9	1,640.24	9	1,346.56	9	1,052.85	9	763.69	9	471.39	9	177.47	9		9	9	9		9	
1/4	1,634.12	1/4	1,340.44	1/4	1,046.73	1/4	757.73	1/4	465.27	1/4	171.35	1/4		1/4	1/4	1/4		1/4	
1/2	1,628.01	1/2	1,334.32	1/2	1,040.61	1/2	751.77	1/2	459.14	1/2	165.23	1/2		1/2	1/2	1/2		1/2	
3/4	1,621.89	3/4	1,328.20	3/4	1,034.50	3/4	745.81	3/4	453.02	3/4	159.10	3/4		3/4	3/4	3/4		3/4	
10	1,615.77	10	1,322.08	10	1,028.38	10	739.85	10	446.90	10	152.98	10		10	10	10		10	
1/4	1,609.66	1/4	1,315.97	1/4	1,022.26	1/4	733.89	1/4	440.77	1/4	146.85	1/4		1/4	1/4	1/4		1/4	
1/2	1,603.54	1/2	1,309.85	1/2	1,016.14	1/2	727.93	1/2	434.65	1/2	140.72	1/2		1/2	1/2	1/2		1/2	
3/4	1,597.42	3/4	1,303.73	3/4	1,010.02	3/4	721.97	3/4	428.53	3/4	134.59	3/4		3/4	3/4	3/4		3/4	
11	1,591.31	11	1,297.61	11	1,003.90	11	715.95	11	422.40	11	128.47	11		11	11	11		11	
1/4	1,585.19	1/4	1,291.49	1/4	997.78	1/4	709.92	1/4	416.28	1/4	122.36	1/4		1/4	1/4	1/4		1/4	
1/2	1,579.08	1/2	1,285.37	1/2	991.66	1/2	703.90	1/2	410.16	1/2	116.24	1/2		1/2	1/2	1/2		1/2	
3/4	1,572.96	3/4	1,279.25	3/4	985.54	3/4	697.88	3/4	404.03	3/4	110.12	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/23/2010 CL - SW
CALCULATED: 04/24/2010 CL
PRINTED: 04/24/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2010

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