



BARGE "KIRBY 11022B"

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	00-1/8	- 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
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	00-3/4	- 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"

June 22, 2010

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

<http://www.pmacorp.net>



BARGE "KIRBY 11022B"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	4,095.05	0	3,797.57	0	3,490.14	0	3,182.71	0	2,874.72	0	2,565.90	0	2,257.07
1/4		1/4		1/4		1/4	4,091.83	1/4	3,791.16	1/4	3,483.73	1/4	3,176.30	1/4	2,868.29	1/4	2,559.46	1/4	2,250.64
1/2		1/2		1/2		1/2	4,086.47	1/2	3,784.76	1/2	3,477.33	1/2	3,169.90	1/2	2,861.86	1/2	2,553.03	1/2	2,244.20
3/4		3/4		3/4		3/4	4,081.10	3/4	3,778.35	3/4	3,470.92	3/4	3,163.49	3/4	2,855.42	3/4	2,546.60	3/4	2,237.77
1		1		1		1	4,075.74	1	3,771.95	1	3,464.52	1	3,157.09	1	2,848.99	1	2,540.16	1	2,231.33
1/4		1/4		1/4		1/4	4,070.38	1/4	3,765.54	1/4	3,458.11	1/4	3,150.68	1/4	2,842.56	1/4	2,533.73	1/4	2,224.90
1/2		1/2		1/2		1/2	4,064.12	1/2	3,759.14	1/2	3,451.71	1/2	3,144.28	1/2	2,836.12	1/2	2,527.29	1/2	2,218.47
3/4		3/4		3/4		3/4	4,057.86	3/4	3,752.74	3/4	3,445.30	3/4	3,137.87	3/4	2,829.69	3/4	2,520.86	3/4	2,212.03
2		2		2		2	4,051.61	2	3,746.33	2	3,438.90	2	3,131.47	2	2,823.25	2	2,514.43	2	2,205.60
1/4		1/4		1/4		1/4	4,045.35	1/4	3,739.93	1/4	3,432.50	1/4	3,125.06	1/4	2,816.82	1/4	2,507.99	1/4	2,199.17
1/2		1/2		1/2		1/2	4,039.06	1/2	3,733.52	1/2	3,426.09	1/2	3,118.66	1/2	2,810.39	1/2	2,501.56	1/2	2,192.73
3/4		3/4		3/4		3/4	4,032.76	3/4	3,727.12	3/4	3,419.69	3/4	3,112.26	3/4	2,803.95	3/4	2,495.12	3/4	2,186.30
3		3		3		3	4,026.47	3	3,720.71	3	3,413.28	3	3,105.85	3	2,797.52	3	2,488.69	3	2,179.86
1/4		1/4		1/4		1/4	4,020.17	1/4	3,714.31	1/4	3,406.88	1/4	3,099.45	1/4	2,791.08	1/4	2,482.26	1/4	2,173.43
1/2		1/2		1/2		1/2	4,013.86	1/2	3,707.90	1/2	3,400.47	1/2	3,093.04	1/2	2,784.65	1/2	2,475.82	1/2	2,167.00
3/4		3/4		3/4		3/4	4,007.56	3/4	3,701.50	3/4	3,394.07	3/4	3,086.64	3/4	2,778.22	3/4	2,469.39	3/4	2,160.56
4		4		4		4	4,001.25	4	3,695.09	4	3,387.66	4	3,080.23	4	2,771.78	4	2,462.96	4	2,154.13
1/4		1/4		1/4		1/4	3,994.94	1/4	3,688.69	1/4	3,381.26	1/4	3,073.83	1/4	2,765.35	1/4	2,456.52	1/4	2,147.69
1/2		1/2		1/2		1/2	3,988.63	1/2	3,682.28	1/2	3,374.85	1/2	3,067.42	1/2	2,758.91	1/2	2,450.09	1/2	2,141.26
3/4		3/4		3/4		3/4	3,982.32	3/4	3,675.88	3/4	3,368.45	3/4	3,061.02	3/4	2,752.48	3/4	2,443.65	3/4	2,134.83
5		5		5		5	3,976.01	5	3,669.47	5	3,362.04	5	3,054.61	5	2,746.05	5	2,437.22	5	2,128.39
1/4		1/4		1/4		1/4	3,969.70	1/4	3,663.07	1/4	3,355.64	1/4	3,048.21	1/4	2,739.61	1/4	2,430.79	1/4	2,121.96
1/2		1/2		1/2		1/2	3,963.40	1/2	3,656.66	1/2	3,349.23	1/2	3,041.80	1/2	2,733.18	1/2	2,424.35	1/2	2,115.52
3/4		3/4		3/4		3/4	3,957.09	3/4	3,650.26	3/4	3,342.83	3/4	3,035.40	3/4	2,726.74	3/4	2,417.92	3/4	2,109.09
6		6		6		6	3,950.79	6	3,643.85	6	3,336.42	6	3,028.99	6	2,720.31	6	2,411.48	6	2,102.66
1/4		1/4		1/4		1/4	3,944.48	1/4	3,637.45	1/4	3,330.02	1/4	3,022.59	1/4	2,713.88	1/4	2,405.05	1/4	2,096.22
1/2		1/2		1/2		1/2	3,938.18	1/2	3,631.04	1/2	3,323.61	1/2	3,016.18	1/2	2,707.44	1/2	2,398.62	1/2	2,089.79
3/4		3/4		3/4		3/4	3,931.87	3/4	3,624.64	3/4	3,317.21	3/4	3,009.78	3/4	2,701.01	3/4	2,392.18	3/4	2,083.35
7		7		7		7	3,925.57	7	3,618.23	7	3,310.80	7	3,003.37	7	2,694.58	7	2,385.75	7	2,076.92
1/4		1/4		1/4		1/4	3,919.26	1/4	3,611.83	1/4	3,304.40	1/4	2,996.97	1/4	2,688.14	1/4	2,379.31	1/4	2,070.49
1/2		1/2		1/2		1/2	3,912.86	1/2	3,605.42	1/2	3,297.99	1/2	2,990.53	1/2	2,681.71	1/2	2,372.88	1/2	2,064.05
3/4		3/4		3/4		3/4	3,906.45	3/4	3,599.02	3/4	3,291.59	3/4	2,984.10	3/4	2,675.27	3/4	2,366.45	3/4	2,057.62
8		8		8		8	3,900.05	8	3,592.62	8	3,285.18	8	2,977.67	8	2,668.84	8	2,360.01	8	2,051.19
1/4		1/4		1/4		1/4	3,893.64	1/4	3,586.21	1/4	3,278.78	1/4	2,971.23	1/4	2,662.41	1/4	2,353.58	1/4	2,044.75
1/2		1/2		1/2		1/2	3,887.24	1/2	3,579.81	1/2	3,272.38	1/2	2,964.80	1/2	2,655.97	1/2	2,347.14	1/2	2,038.32
3/4		3/4		3/4		3/4	3,880.83	3/4	3,573.40	3/4	3,265.97	3/4	2,958.37	3/4	2,649.54	3/4	2,340.71	3/4	2,031.88
9		9		9		9	3,874.43	9	3,567.00	9	3,259.57	9	2,951.93	9	2,643.10	9	2,334.28	9	2,025.45
1/4		1/4		1/4		1/4	3,868.02	1/4	3,560.59	1/4	3,253.16	1/4	2,945.50	1/4	2,636.67	1/4	2,327.84	1/4	2,019.02
1/2		1/2		1/2		1/2	3,861.62	1/2	3,554.19	1/2	3,246.76	1/2	2,939.06	1/2	2,630.24	1/2	2,321.41	1/2	2,012.58
3/4		3/4		3/4		3/4	3,855.21	3/4	3,547.78	3/4	3,240.35	3/4	2,932.63	3/4	2,623.80	3/4	2,314.98	3/4	2,006.15
10		10		10		10	3,848.81	10	3,541.38	10	3,233.95	10	2,926.20	10	2,617.37	10	2,308.54	10	1,999.71
1/4		1/4		1/4		1/4	3,842.40	1/4	3,534.97	1/4	3,227.54	1/4	2,919.76	1/4	2,610.93	1/4	2,302.11	1/4	1,993.28
1/2		1/2		1/2		1/2	3,836.00	1/2	3,528.57	1/2	3,221.14	1/2	2,913.33	1/2	2,604.50	1/2	2,295.67	1/2	1,986.85
3/4		3/4		3/4		3/4	4,106.85	3/4	3,829.59	3/4	3,522.16	3/4	3,214.73	3/4	2,906.89	3/4	2,598.07	3/4	2,289.24
11		11		11		11	4,105.78	11	3,823.19	11	3,515.76	11	3,208.33	11	2,900.46	11	2,591.63	11	2,282.81
1/4		1/4		1/4		1/4	4,104.70	1/4	3,816.78	1/4	3,509.35	1/4	3,201.92	1/4	2,894.03	1/4	2,585.20	1/4	2,276.37
1/2		1/2		1/2		1/2	4,101.49	1/2	3,810.38	1/2	3,502.95	1/2	3,195.52	1/2	2,887.59	1/2	2,578.77	1/2	2,269.94
3/4		3/4		3/4		3/4	4,098.27	3/4	3,803.97	3/4	3,496.54	3/4	3,189.11	3/4	2,881.16	3/4	2,572.33	3/4	2,263.50

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 32'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 11022B"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	1,948.24	0	1,639.41	0	1,330.41	0	1,022.39	0	714.05	0	405.07	0	96.32	0		0		0	
1/4	1,941.81	1/4	1,632.97	1/4	1,323.97	1/4	1,015.99	1/4	707.62	1/4	398.64	1/4	89.93	1/4	1/4	1/4		1/4	
1/2	1,935.38	1/2	1,626.53	1/2	1,317.53	1/2	1,009.59	1/2	701.18	1/2	392.20	1/2	83.57	1/2	1/2	1/2		1/2	
3/4	1,928.94	3/4	1,620.09	3/4	1,311.09	3/4	1,003.19	3/4	694.74	3/4	385.76	3/4	77.20	3/4	3/4	3/4		3/4	
1	1,922.51	1	1,613.66	1	1,304.66	1	996.79	1	688.31	1	379.33	1	70.84	1	1	1		1	
1/4	1,916.07	1/4	1,607.22	1/4	1,298.22	1/4	990.39	1/4	681.87	1/4	372.89	1/4	64.48	1/4	1/4	1/4		1/4	
1/2	1,909.64	1/2	1,600.78	1/2	1,291.78	1/2	983.98	1/2	675.43	1/2	366.45	1/2	58.17	1/2	1/2	1/2		1/2	
3/4	1,903.21	3/4	1,594.34	3/4	1,285.34	3/4	977.58	3/4	669.00	3/4	360.01	3/4	51.87	3/4	3/4	3/4		3/4	
2	1,896.77	2	1,587.91	2	1,278.91	2	971.18	2	662.56	2	353.58	2	45.57	2	2	2		2	
1/4	1,890.34	1/4	1,581.47	1/4	1,272.47	1/4	964.78	1/4	656.12	1/4	347.14	1/4	39.26	1/4	1/4	1/4		1/4	
1/2	1,883.90	1/2	1,575.03	1/2	1,266.03	1/2	958.39	1/2	649.68	1/2	340.70	1/2	33.91	1/2	1/2	1/2		1/2	
3/4	1,877.47	3/4	1,568.59	3/4	1,259.59	3/4	951.99	3/4	643.25	3/4	334.27	3/4	28.55	3/4	3/4	3/4		3/4	
3	1,871.04	3	1,562.16	3	1,253.16	3	945.59	3	636.81	3	327.83	3	23.20	3	3	3		3	
1/4	1,864.60	1/4	1,555.72	1/4	1,246.72	1/4	939.20	1/4	630.37	1/4	321.39	1/4	17.84	1/4	1/4	1/4		1/4	
1/2	1,858.17	1/2	1,549.28	1/2	1,240.28	1/2	932.77	1/2	623.94	1/2	314.96	1/2	14.62	1/2	1/2	1/2		1/2	
3/4	1,851.73	3/4	1,542.84	3/4	1,233.84	3/4	926.33	3/4	617.50	3/4	308.52	3/4	11.41	3/4	3/4	3/4		3/4	
4	1,845.30	4	1,536.41	4	1,227.41	4	919.90	4	611.06	4	302.08	4	8.19	4	4	4		4	
1/4	1,838.87	1/4	1,529.97	1/4	1,220.97	1/4	913.47	1/4	604.62	1/4	295.64	1/4	4.97	1/4	1/4	1/4		1/4	
1/2	1,832.43	1/2	1,523.53	1/2	1,214.53	1/2	907.04	1/2	598.19	1/2	289.21	1/2	3.90	1/2	1/2	1/2		1/2	
3/4	1,826.00	3/4	1,517.09	3/4	1,208.09	3/4	900.61	3/4	591.75	3/4	282.77	3/4	2.82	3/4	3/4	3/4		3/4	
5	1,819.57	5	1,510.66	5	1,201.66	5	894.17	5	585.31	5	276.33	5	1.75	5	5	5		5	
1/4	1,813.13	1/4	1,504.22	1/4	1,195.22	1/4	887.74	1/4	578.88	1/4	269.90	1/4	0.68	1/4	1/4	1/4		1/4	
1/2	1,806.70	1/2	1,497.78	1/2	1,188.82	1/2	881.31	1/2	572.44	1/2	263.46	1/2		1/2	1/2	1/2		1/2	
3/4	1,800.26	3/4	1,491.34	3/4	1,182.42	3/4	874.88	3/4	566.00	3/4	257.02	3/4		3/4	3/4	3/4		3/4	
6	1,793.83	6	1,484.91	6	1,176.01	6	868.45	6	559.57	6	250.58	6		6	6	6		6	
1/4	1,787.40	1/4	1,478.47	1/4	1,169.61	1/4	862.01	1/4	553.13	1/4	244.15	1/4		1/4	1/4	1/4		1/4	
1/2	1,780.96	1/2	1,472.03	1/2	1,163.21	1/2	855.58	1/2	546.69	1/2	237.71	1/2		1/2	1/2	1/2		1/2	
3/4	1,774.53	3/4	1,465.59	3/4	1,156.81	3/4	849.15	3/4	540.25	3/4	231.27	3/4		3/4	3/4	3/4		3/4	
7	1,768.09	7	1,459.16	7	1,150.41	7	842.72	7	533.82	7	224.84	7		7	7	7		7	
1/4	1,761.66	1/4	1,452.72	1/4	1,144.01	1/4	836.29	1/4	527.38	1/4	218.40	1/4		1/4	1/4	1/4		1/4	
1/2	1,755.23	1/2	1,446.28	1/2	1,137.61	1/2	829.85	1/2	520.94	1/2	211.96	1/2		1/2	1/2	1/2		1/2	
3/4	1,748.79	3/4	1,439.84	3/4	1,131.21	3/4	823.42	3/4	514.51	3/4	205.52	3/4		3/4	3/4	3/4		3/4	
8	1,742.36	8	1,433.41	8	1,124.81	8	816.99	8	508.07	8	199.09	8		8	8	8		8	
1/4	1,735.92	1/4	1,426.97	1/4	1,118.41	1/4	810.56	1/4	501.63	1/4	192.65	1/4		1/4	1/4	1/4		1/4	
1/2	1,729.49	1/2	1,420.53	1/2	1,112.00	1/2	804.13	1/2	495.19	1/2	186.21	1/2		1/2	1/2	1/2		1/2	
3/4	1,723.06	3/4	1,414.09	3/4	1,105.60	3/4	797.69	3/4	488.76	3/4	179.78	3/4		3/4	3/4	3/4		3/4	
9	1,716.62	9	1,407.66	9	1,099.20	9	791.26	9	482.32	9	173.34	9		9	9	9		9	
1/4	1,710.19	1/4	1,401.22	1/4	1,092.80	1/4	784.83	1/4	475.88	1/4	166.91	1/4		1/4	1/4	1/4		1/4	
1/2	1,703.75	1/2	1,394.78	1/2	1,086.40	1/2	778.40	1/2	469.45	1/2	160.47	1/2		1/2	1/2	1/2		1/2	
3/4	1,697.32	3/4	1,388.34	3/4	1,080.00	3/4	771.97	3/4	463.01	3/4	154.04	3/4		3/4	3/4	3/4		3/4	
10	1,690.89	10	1,381.91	10	1,073.60	10	765.54	10	456.57	10	147.61	10		10	10	10		10	
1/4	1,684.45	1/4	1,375.47	1/4	1,067.20	1/4	759.10	1/4	450.13	1/4	141.18	1/4		1/4	1/4	1/4		1/4	
1/2	1,678.02	1/2	1,369.03	1/2	1,060.80	1/2	752.67	1/2	443.70	1/2	134.77	1/2		1/2	1/2	1/2		1/2	
3/4	1,671.59	3/4	1,362.59	3/4	1,054.40	3/4	746.23	3/4	437.26	3/4	128.35	3/4		3/4	3/4	3/4		3/4	
11	1,665.15	11	1,356.16	11	1,047.99	11	739.80	11	430.82	11	121.93	11		11	11	11		11	
1/4	1,658.72	1/4	1,349.72	1/4	1,041.59	1/4	733.36	1/4	424.39	1/4	115.51	1/4		1/4	1/4	1/4		1/4	
1/2	1,652.28	1/2	1,343.28	1/2	1,035.19	1/2	726.93	1/2	417.95	1/2	109.12	1/2		1/2	1/2	1/2		1/2	
3/4	1,645.84	3/4	1,336.84	3/4	1,028.79	3/4	720.49	3/4	411.51	3/4	102.72	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/21/2010 CL - SW
CALCULATED: 06/22/2010 CL
PRINTED: 06/22/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2010

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



BARGE "KIRBY 11022B"

2 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	3,921.79	0	3,643.27	0	3,349.01	0	3,054.76	0	2,760.01	0	2,464.37	0	2,168.73		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,918.71	1/4	3,637.14	1/4	3,342.88	1/4	3,048.63	1/4	2,753.85	1/4	2,458.21	1/4	2,162.57		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,915.63	1/2	3,631.01	1/2	3,336.75	1/2	3,042.50	1/2	2,747.69	1/2	2,452.05	1/2	2,156.41		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,912.54	3/4	3,624.88	3/4	3,330.62	3/4	3,036.37	3/4	2,741.54	3/4	2,445.89	3/4	2,150.25		
1		1		1		1	3,907.41	1	3,618.75	1	3,324.49	1	3,030.24	1	2,735.38	1	2,439.73	1	2,144.09		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,902.28	1/4	3,612.62	1/4	3,318.36	1/4	3,024.11	1/4	2,729.22	1/4	2,433.58	1/4	2,137.93		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,897.14	1/2	3,606.49	1/2	3,312.23	1/2	3,017.98	1/2	2,723.06	1/2	2,427.42	1/2	2,131.77		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,892.01	3/4	3,600.36	3/4	3,306.10	3/4	3,011.85	3/4	2,716.90	3/4	2,421.26	3/4	2,125.62		
2		2		2		2	3,886.03	2	3,594.23	2	3,299.97	2	3,005.72	2	2,710.74	2	2,415.10	2	2,119.46		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,880.04	1/4	3,588.09	1/4	3,293.84	1/4	2,999.59	1/4	2,704.58	1/4	2,408.94	1/4	2,113.30		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,874.05	1/2	3,581.96	1/2	3,287.71	1/2	2,993.46	1/2	2,698.42	1/2	2,402.78	1/2	2,107.14		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,868.07	3/4	3,575.83	3/4	3,281.58	3/4	2,987.33	3/4	2,692.26	3/4	2,396.62	3/4	2,100.98		
3		3		3		3	3,862.05	3	3,569.70	3	3,275.45	3	2,981.20	3	2,686.10	3	2,390.46	3	2,094.82		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,856.03	1/4	3,563.57	1/4	3,269.32	1/4	2,975.06	1/4	2,679.94	1/4	2,384.30	1/4	2,088.66		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,850.01	1/2	3,557.44	1/2	3,263.19	1/2	2,968.93	1/2	2,673.78	1/2	2,378.14	1/2	2,082.50		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,843.99	3/4	3,551.31	3/4	3,257.06	3/4	2,962.80	3/4	2,667.62	3/4	2,371.98	3/4	2,076.34		
4		4		4		4	3,837.96	4	3,545.18	4	3,250.93	4	2,956.67	4	2,661.47	4	2,365.82	4	2,070.18		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,831.93	1/4	3,539.05	1/4	3,244.80	1/4	2,950.54	1/4	2,655.31	1/4	2,359.66	1/4	2,064.02		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,825.90	1/2	3,532.92	1/2	3,238.67	1/2	2,944.41	1/2	2,649.15	1/2	2,353.51	1/2	2,057.86		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,819.86	3/4	3,526.79	3/4	3,232.54	3/4	2,938.28	3/4	2,642.99	3/4	2,347.35	3/4	2,051.70		
5		5		5		5	3,813.83	5	3,520.66	5	3,226.41	5	2,932.15	5	2,636.83	5	2,341.19	5	2,045.55		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,807.79	1/4	3,514.53	1/4	3,220.28	1/4	2,926.02	1/4	2,630.67	1/4	2,335.03	1/4	2,039.39		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,801.76	1/2	3,508.40	1/2	3,214.15	1/2	2,919.89	1/2	2,624.51	1/2	2,328.87	1/2	2,033.23		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,795.72	3/4	3,502.27	3/4	3,208.02	3/4	2,913.76	3/4	2,618.35	3/4	2,322.71	3/4	2,027.07		
6		6		6		6	3,789.69	6	3,496.14	6	3,201.89	6	2,907.63	6	2,612.19	6	2,316.55	6	2,020.91		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,783.66	1/4	3,490.01	1/4	3,195.76	1/4	2,901.50	1/4	2,606.03	1/4	2,310.39	1/4	2,014.75		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,777.63	1/2	3,483.88	1/2	3,189.63	1/2	2,895.37	1/2	2,599.87	1/2	2,304.23	1/2	2,008.59		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,771.60	3/4	3,477.75	3/4	3,183.49	3/4	2,889.24	3/4	2,593.71	3/4	2,298.07	3/4	2,002.43		
7		7		7		7	3,765.57	7	3,471.62	7	3,177.36	7	2,883.11	7	2,587.56	7	2,291.91	7	1,996.27		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,759.54	1/4	3,465.49	1/4	3,171.23	1/4	2,876.98	1/4	2,581.40	1/4	2,285.75	1/4	1,990.11		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,753.51	1/2	3,459.36	1/2	3,165.10	1/2	2,870.85	1/2	2,575.24	1/2	2,279.60	1/2	1,983.95		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,747.48	3/4	3,453.23	3/4	3,158.97	3/4	2,864.72	3/4	2,569.08	3/4	2,273.44	3/4	1,977.79		
8		8		8		8	3,741.35	8	3,447.10	8	3,152.84	8	2,858.56	8	2,562.92	8	2,267.28	8	1,971.64		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,735.22	1/4	3,440.97	1/4	3,146.71	1/4	2,852.40	1/4	2,556.76	1/4	2,261.12	1/4	1,965.48		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,729.09	1/2	3,434.84	1/2	3,140.58	1/2	2,846.24	1/2	2,550.60	1/2	2,254.96	1/2	1,959.32		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,722.96	3/4	3,428.71	3/4	3,134.45	3/4	2,840.08	3/4	2,544.44	3/4	2,248.80	3/4	1,953.16		
9		9		9		9	3,716.83	9	3,422.58	9	3,128.32	9	2,833.92	9	2,538.28	9	2,242.64	9	1,947.00		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,710.70	1/4	3,416.45	1/4	3,122.19	1/4	2,827.76	1/4	2,532.12	1/4	2,236.48	1/4	1,940.84		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,704.57	1/2	3,410.32	1/2	3,116.06	1/2	2,821.60	1/2	2,525.96	1/2	2,230.32	1/2	1,934.68		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,698.44	3/4	3,404.19	3/4	3,109.93	3/4	2,815.45	3/4	2,519.80	3/4	2,224.16	3/4	1,928.52		
10		10		10		10	3,692.31	10	3,398.06	10	3,103.80	10	2,809.29	10	2,513.64	10	2,218.00	10	1,922.36		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,686.18	1/4	3,391.93	1/4	3,097.67	1/4	2,803.13	1/4	2,507.49	1/4	2,211.84	1/4	1,916.20		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,680.05	1/2	3,385.79	1/2	3,091.54	1/2	2,796.97	1/2	2,501.33	1/2	2,205.68	1/2	1,910.04		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,673.92	3/4	3,379.66	3/4	3,085.41	3/4	2,790.81	3/4	2,495.17	3/4	2,199.53	3/4	1,903.88		
11		11		11		11	3,667.79	11	3,373.53	11	3,079.28	11	2,784.65	11	2,489.01	11	2,193.37	11	1,897.72		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,926.92	1/4	3,661.66	1/4	3,367.40	1/4	3,073.15	1/4	2,778.49	1/4	2,482.85	1/4	2,187.21	1/4	1,891.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,925.90	1/2	3,655.53	1/2	3,361.27	1/2	3,067.02	1/2	2,772.33	1/2	2,476.69	1/2	2,181.05	1/2	1,885.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,924.87	3/4	3,649.40	3/4	3,355.14	3/4	3,060.89	3/4	2,766.17	3/4	2,470.53	3/4	2,174.89	3/4	1,879.25

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'-009" FORWARD OF AFT BULKHEAD.

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 11022B"

2 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	1,873.09	0	1,577.44	0	1,281.62	0	987.76	0	695.93	0	400.14	0	104.49	0		0		0	
1/4	1,866.93	1/4	1,571.28	1/4	1,275.46	1/4	981.68	1/4	689.77	1/4	393.98	1/4	98.36	1/4	1/4	1/4		1/4	
1/2	1,860.77	1/2	1,565.12	1/2	1,269.30	1/2	975.60	1/2	683.61	1/2	387.82	1/2	92.24	1/2	1/2	1/2		1/2	
3/4	1,854.61	3/4	1,558.95	3/4	1,263.13	3/4	969.52	3/4	677.45	3/4	381.65	3/4	86.12	3/4	3/4	3/4		3/4	
1	1,848.45	1	1,552.79	1	1,256.97	1	963.44	1	671.29	1	375.49	1	80.03	1	1	1		1	
1/4	1,842.29	1/4	1,546.63	1/4	1,250.81	1/4	957.36	1/4	665.12	1/4	369.33	1/4	73.94	1/4	1/4	1/4		1/4	
1/2	1,836.13	1/2	1,540.47	1/2	1,244.65	1/2	951.29	1/2	658.96	1/2	363.17	1/2	67.84	1/2	1/2	1/2		1/2	
3/4	1,829.97	3/4	1,534.30	3/4	1,238.48	3/4	945.21	3/4	652.80	3/4	357.00	3/4	61.75	3/4	3/4	3/4		3/4	
2	1,823.81	2	1,528.14	2	1,232.32	2	939.13	2	646.64	2	350.84	2	55.72	2	2	2		2	
1/4	1,817.66	1/4	1,521.98	1/4	1,226.16	1/4	933.05	1/4	640.47	1/4	344.68	1/4	49.68	1/4	1/4	1/4		1/4	
1/2	1,811.50	1/2	1,515.81	1/2	1,219.99	1/2	926.97	1/2	634.31	1/2	338.52	1/2	43.65	1/2	1/2	1/2		1/2	
3/4	1,805.34	3/4	1,509.65	3/4	1,213.83	3/4	920.89	3/4	628.15	3/4	332.35	3/4	37.61	3/4	3/4	3/4		3/4	
3	1,799.18	3	1,503.49	3	1,207.67	3	914.82	3	621.99	3	326.19	3	32.49	3	3	3		3	
1/4	1,793.02	1/4	1,497.33	1/4	1,201.51	1/4	908.75	1/4	615.83	1/4	320.03	1/4	27.36	1/4	1/4	1/4		1/4	
1/2	1,786.86	1/2	1,491.16	1/2	1,195.34	1/2	902.68	1/2	609.66	1/2	313.87	1/2	22.24	1/2	1/2	1/2		1/2	
3/4	1,780.70	3/4	1,485.00	3/4	1,189.18	3/4	896.60	3/4	603.50	3/4	307.71	3/4	17.11	3/4	3/4	3/4		3/4	
4	1,774.54	4	1,478.84	4	1,183.02	4	890.53	4	597.34	4	301.54	4	14.03	4	4	4		4	
1/4	1,768.38	1/4	1,472.67	1/4	1,176.85	1/4	884.46	1/4	591.18	1/4	295.38	1/4	10.95	1/4	1/4	1/4		1/4	
1/2	1,762.22	1/2	1,466.51	1/2	1,170.69	1/2	878.39	1/2	585.01	1/2	289.22	1/2	7.87	1/2	1/2	1/2		1/2	
3/4	1,756.06	3/4	1,460.35	3/4	1,164.53	3/4	872.31	3/4	578.85	3/4	283.06	3/4	4.78	3/4	3/4	3/4		3/4	
5	1,749.90	5	1,454.18	5	1,158.37	5	866.24	5	572.69	5	276.89	5	3.76	5	5	5		5	
1/4	1,743.74	1/4	1,448.02	1/4	1,152.20	1/4	860.17	1/4	566.53	1/4	270.73	1/4	2.73	1/4	1/4	1/4		1/4	
1/2	1,737.59	1/2	1,441.86	1/2	1,146.04	1/2	854.10	1/2	560.36	1/2	264.57	1/2	1.70	1/2	1/2	1/2		1/2	
3/4	1,731.43	3/4	1,435.70	3/4	1,139.88	3/4	848.02	3/4	554.20	3/4	258.41	3/4	0.68	3/4	3/4	3/4		3/4	
6	1,725.27	6	1,429.53	6	1,133.76	6	841.95	6	548.04	6	252.24	6		6	6	6		6	
1/4	1,719.11	1/4	1,423.37	1/4	1,127.64	1/4	835.88	1/4	541.88	1/4	246.08	1/4		1/4	1/4	1/4		1/4	
1/2	1,712.95	1/2	1,417.21	1/2	1,121.52	1/2	829.80	1/2	535.71	1/2	239.92	1/2		1/2	1/2	1/2		1/2	
3/4	1,706.79	3/4	1,411.04	3/4	1,115.40	3/4	823.73	3/4	529.55	3/4	233.76	3/4		3/4	3/4	3/4		3/4	
7	1,700.63	7	1,404.88	7	1,109.32	7	817.66	7	523.39	7	227.59	7		7	7	7		7	
1/4	1,694.47	1/4	1,398.72	1/4	1,103.24	1/4	811.59	1/4	517.23	1/4	221.43	1/4		1/4	1/4	1/4		1/4	
1/2	1,688.31	1/2	1,392.56	1/2	1,097.16	1/2	805.51	1/2	511.06	1/2	215.27	1/2		1/2	1/2	1/2		1/2	
3/4	1,682.15	3/4	1,386.39	3/4	1,091.08	3/4	799.44	3/4	504.90	3/4	209.11	3/4		3/4	3/4	3/4		3/4	
8	1,675.99	8	1,380.23	8	1,085.01	8	793.37	8	498.74	8	202.94	8		8	8	8		8	
1/4	1,669.83	1/4	1,374.07	1/4	1,078.93	1/4	787.30	1/4	492.58	1/4	196.78	1/4		1/4	1/4	1/4		1/4	
1/2	1,663.68	1/2	1,367.90	1/2	1,072.85	1/2	781.22	1/2	486.41	1/2	190.62	1/2		1/2	1/2	1/2		1/2	
3/4	1,657.52	3/4	1,361.74	3/4	1,066.77	3/4	775.15	3/4	480.25	3/4	184.46	3/4		3/4	3/4	3/4		3/4	
9	1,651.36	9	1,355.58	9	1,060.69	9	769.08	9	474.09	9	178.30	9		9	9	9		9	
1/4	1,645.20	1/4	1,349.42	1/4	1,054.62	1/4	763.00	1/4	467.93	1/4	172.13	1/4		1/4	1/4	1/4		1/4	
1/2	1,639.04	1/2	1,343.25	1/2	1,048.54	1/2	756.93	1/2	461.77	1/2	165.97	1/2		1/2	1/2	1/2		1/2	
3/4	1,632.88	3/4	1,337.09	3/4	1,042.46	3/4	750.86	3/4	455.60	3/4	159.81	3/4		3/4	3/4	3/4		3/4	
10	1,626.72	10	1,330.93	10	1,036.38	10	744.79	10	449.44	10	153.65	10		10	10	10		10	
1/4	1,620.56	1/4	1,324.76	1/4	1,030.30	1/4	738.72	1/4	443.28	1/4	147.50	1/4		1/4	1/4	1/4		1/4	
1/2	1,614.40	1/2	1,318.60	1/2	1,024.22	1/2	732.64	1/2	437.12	1/2	141.34	1/2		1/2	1/2	1/2		1/2	
3/4	1,608.24	3/4	1,312.44	3/4	1,018.15	3/4	726.57	3/4	430.95	3/4	135.19	3/4		3/4	3/4	3/4		3/4	
11	1,602.08	11	1,306.28	11	1,012.07	11	720.45	11	424.79	11	129.04	11		11	11	11		11	
1/4	1,595.92	1/4	1,300.11	1/4	1,005.99	1/4	714.33	1/4	418.63	1/4	122.90	1/4		1/4	1/4	1/4		1/4	
1/2	1,589.76	1/2	1,293.95	1/2	999.91	1/2	708.21	1/2	412.47	1/2	116.75	1/2		1/2	1/2	1/2		1/2	
3/4	1,583.61	3/4	1,287.79	3/4	993.83	3/4	702.10	3/4	406.30	3/4	110.61	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/21/2010 CL - SW
CALCULATED: 06/22/2010 CL
PRINTED: 06/22/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2010

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



BARGE "KIRBY 11022B"

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	3,530.16	0	3,337.27	0	3,143.41	0	2,949.54	0	2,736.89	0	2,444.54	0	2,151.54
1/4		1/4		1/4		1/4	3,527.10	1/4	3,333.23	1/4	3,139.37	1/4	2,945.50	1/4	2,730.81	1/4	2,438.44	1/4	2,145.43
1/2		1/2		1/2		1/2	3,524.03	1/2	3,329.19	1/2	3,135.33	1/2	2,941.47	1/2	2,724.72	1/2	2,432.33	1/2	2,139.33
3/4		3/4		3/4		3/4	3,520.97	3/4	3,325.15	3/4	3,131.29	3/4	2,937.43	3/4	2,718.64	3/4	2,426.23	3/4	2,133.22
1		1		1		1	3,515.86	1	3,321.11	1	3,127.25	1	2,933.39	1	2,712.55	1	2,420.13	1	2,127.12
1/4		1/4		1/4		1/4	3,510.76	1/4	3,317.07	1/4	3,123.21	1/4	2,929.35	1/4	2,706.47	1/4	2,414.02	1/4	2,121.01
1/2		1/2		1/2		1/2	3,505.65	1/2	3,313.03	1/2	3,119.17	1/2	2,925.31	1/2	2,700.38	1/2	2,407.92	1/2	2,114.91
3/4		3/4		3/4		3/4	3,500.55	3/4	3,309.00	3/4	3,115.13	3/4	2,921.27	3/4	2,694.30	3/4	2,401.81	3/4	2,108.81
2		2		2		2	3,496.64	2	3,304.96	2	3,111.09	2	2,917.23	2	2,688.21	2	2,395.71	2	2,102.70
1/4		1/4		1/4		1/4	3,492.74	1/4	3,300.92	1/4	3,107.06	1/4	2,913.19	1/4	2,682.12	1/4	2,389.60	1/4	2,096.60
1/2		1/2		1/2		1/2	3,488.83	1/2	3,296.88	1/2	3,103.02	1/2	2,909.15	1/2	2,676.04	1/2	2,383.50	1/2	2,090.49
3/4		3/4		3/4		3/4	3,484.93	3/4	3,292.84	3/4	3,098.98	3/4	2,905.12	3/4	2,669.95	3/4	2,377.40	3/4	2,084.39
3		3		3		3	3,480.99	3	3,288.80	3	3,094.94	3	2,901.08	3	2,663.87	3	2,371.29	3	2,078.28
1/4		1/4		1/4		1/4	3,477.05	1/4	3,284.76	1/4	3,090.90	1/4	2,897.04	1/4	2,657.78	1/4	2,365.19	1/4	2,072.18
1/2		1/2		1/2		1/2	3,473.11	1/2	3,280.72	1/2	3,086.86	1/2	2,893.00	1/2	2,651.70	1/2	2,359.08	1/2	2,066.08
3/4		3/4		3/4		3/4	3,469.17	3/4	3,276.69	3/4	3,082.82	3/4	2,888.96	3/4	2,645.61	3/4	2,352.98	3/4	2,059.97
4		4		4		4	3,465.22	4	3,272.65	4	3,078.78	4	2,884.92	4	2,639.52	4	2,346.87	4	2,053.87
1/4		1/4		1/4		1/4	3,461.26	1/4	3,268.61	1/4	3,074.75	1/4	2,880.88	1/4	2,633.44	1/4	2,340.77	1/4	2,047.76
1/2		1/2		1/2		1/2	3,457.31	1/2	3,264.57	1/2	3,070.71	1/2	2,876.84	1/2	2,627.35	1/2	2,334.66	1/2	2,041.66
3/4		3/4		3/4		3/4	3,453.36	3/4	3,260.53	3/4	3,066.67	3/4	2,872.81	3/4	2,621.27	3/4	2,328.56	3/4	2,035.55
5		5		5		5	3,449.40	5	3,256.49	5	3,062.63	5	2,868.77	5	2,615.18	5	2,322.46	5	2,029.45
1/4		1/4		1/4		1/4	3,445.45	1/4	3,252.45	1/4	3,058.59	1/4	2,864.73	1/4	2,609.10	1/4	2,316.35	1/4	2,023.35
1/2		1/2		1/2		1/2	3,441.49	1/2	3,248.41	1/2	3,054.55	1/2	2,860.69	1/2	2,603.01	1/2	2,310.25	1/2	2,017.24
3/4		3/4		3/4		3/4	3,437.54	3/4	3,244.38	3/4	3,050.51	3/4	2,856.65	3/4	2,596.93	3/4	2,304.14	3/4	2,011.14
6		6		6		6	3,433.59	6	3,240.34	6	3,046.47	6	2,852.61	6	2,590.84	6	2,298.04	6	2,005.03
1/4		1/4		1/4		1/4	3,429.64	1/4	3,236.30	1/4	3,042.44	1/4	2,848.57	1/4	2,584.75	1/4	2,291.93	1/4	1,998.93
1/2		1/2		1/2		1/2	3,425.69	1/2	3,232.26	1/2	3,038.40	1/2	2,844.53	1/2	2,578.67	1/2	2,285.83	1/2	1,992.82
3/4		3/4		3/4		3/4	3,421.73	3/4	3,228.22	3/4	3,034.36	3/4	2,840.50	3/4	2,572.58	3/4	2,279.73	3/4	1,986.72
7		7		7		7	3,417.78	7	3,224.18	7	3,030.32	7	2,836.46	7	2,566.50	7	2,273.62	7	1,980.62
1/4		1/4		1/4		1/4	3,413.83	1/4	3,220.14	1/4	3,026.28	1/4	2,832.42	1/4	2,560.41	1/4	2,267.52	1/4	1,974.51
1/2		1/2		1/2		1/2	3,409.88	1/2	3,216.10	1/2	3,022.24	1/2	2,828.38	1/2	2,554.33	1/2	2,261.41	1/2	1,968.41
3/4		3/4		3/4		3/4	3,405.93	3/4	3,212.06	3/4	3,018.20	3/4	2,824.34	3/4	2,548.24	3/4	2,255.31	3/4	1,962.30
8		8		8		8	3,401.89	8	3,208.03	8	3,014.16	8	2,820.28	8	2,542.16	8	2,249.20	8	1,956.20
1/4		1/4		1/4		1/4	3,397.85	1/4	3,203.99	1/4	3,010.12	1/4	2,816.21	1/4	2,536.07	1/4	2,243.10	1/4	1,950.09
1/2		1/2		1/2		1/2	3,393.81	1/2	3,199.95	1/2	3,006.09	1/2	2,812.15	1/2	2,529.98	1/2	2,237.00	1/2	1,943.99
3/4		3/4		3/4		3/4	3,389.77	3/4	3,195.91	3/4	3,002.05	3/4	2,808.09	3/4	2,523.90	3/4	2,230.89	3/4	1,937.89
9		9		9		9	3,385.73	9	3,191.87	9	2,998.01	9	2,804.02	9	2,517.79	9	2,224.79	9	1,931.78
1/4		1/4		1/4		1/4	3,381.69	1/4	3,187.83	1/4	2,993.97	1/4	2,799.96	1/4	2,511.69	1/4	2,218.68	1/4	1,925.68
1/2		1/2		1/2		1/2	3,377.66	1/2	3,183.79	1/2	2,989.93	1/2	2,795.89	1/2	2,505.59	1/2	2,212.58	1/2	1,919.57
3/4		3/4		3/4		3/4	3,373.62	3/4	3,179.75	3/4	2,985.89	3/4	2,791.83	3/4	2,499.48	3/4	2,206.47	3/4	1,913.47
10		10		10		10	3,369.58	10	3,175.72	10	2,981.85	10	2,785.70	10	2,493.38	10	2,200.37	10	1,907.36
1/4		1/4		1/4		1/4	3,365.54	1/4	3,171.68	1/4	2,977.81	1/4	2,779.58	1/4	2,487.27	1/4	2,194.27	1/4	1,901.26
1/2		1/2		1/2		1/2	3,361.50	1/2	3,167.64	1/2	2,973.78	1/2	2,773.45	1/2	2,481.17	1/2	2,188.16	1/2	1,895.16
3/4		3/4		3/4		3/4	3,357.46	3/4	3,163.60	3/4	2,969.74	3/4	2,767.32	3/4	2,475.06	3/4	2,182.06	3/4	1,889.05
11		11		11		11	3,353.42	11	3,159.56	11	2,965.70	11	2,761.24	11	2,468.96	11	2,175.95	11	1,882.95
1/4		1/4		1/4	3,535.27	1/4	3,349.38	1/4	3,155.52	1/4	2,961.66	1/4	2,755.15	1/4	2,462.86	1/4	2,169.85	1/4	1,876.84
1/2		1/2		1/2	3,534.25	1/2	3,345.35	1/2	3,151.48	1/2	2,957.62	1/2	2,749.07	1/2	2,456.75	1/2	2,163.74	1/2	1,870.74
3/4		3/4		3/4	3,533.23	3/4	3,341.31	3/4	3,147.44	3/4	2,953.58	3/4	2,742.98	3/4	2,450.65	3/4	2,157.64	3/4	1,864.63

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.

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 11022B"

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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	1,852.43	1/4	1,559.16	1/4	1,265.75	1/4	972.33	1/4	684.98	1/4	391.40	1/4	97.83	1/4		1/4		1/4	
1/2	1,846.32	1/2	1,553.05	1/2	1,259.63	1/2	966.22	1/2	678.88	1/2	385.28	1/2	91.74	1/2		1/2		1/2	
3/4	1,840.22	3/4	1,546.93	3/4	1,253.52	3/4	960.11	3/4	672.78	3/4	379.16	3/4	85.65	3/4		3/4		3/4	
1	1,834.11	1	1,540.82	1	1,247.41	1	954.06	1	666.66	1	373.05	1	79.60	1		1		1	
1/4	1,828.01	1/4	1,534.71	1/4	1,241.29	1/4	948.01	1/4	660.55	1/4	366.93	1/4	73.54	1/4		1/4		1/4	
1/2	1,821.90	1/2	1,528.60	1/2	1,235.18	1/2	941.96	1/2	654.43	1/2	360.81	1/2	67.48	1/2		1/2		1/2	
3/4	1,815.80	3/4	1,522.48	3/4	1,229.07	3/4	935.91	3/4	648.32	3/4	354.69	3/4	61.42	3/4		3/4		3/4	
2	1,809.70	2	1,516.37	2	1,222.96	2	929.92	2	642.20	2	348.58	2	55.42	2		2		2	
1/4	1,803.59	1/4	1,510.26	1/4	1,216.84	1/4	923.93	1/4	636.08	1/4	342.46	1/4	49.42	1/4		1/4		1/4	
1/2	1,797.49	1/2	1,504.14	1/2	1,210.73	1/2	917.94	1/2	629.97	1/2	336.34	1/2	43.42	1/2		1/2		1/2	
3/4	1,791.38	3/4	1,498.03	3/4	1,204.62	3/4	911.96	3/4	623.85	3/4	330.22	3/4	37.41	3/4		3/4		3/4	
3	1,785.27	3	1,491.92	3	1,198.50	3	905.97	3	617.73	3	324.11	3	32.31	3		3		3	
1/4	1,779.16	1/4	1,485.81	1/4	1,192.39	1/4	899.99	1/4	611.62	1/4	317.99	1/4	27.22	1/4		1/4		1/4	
1/2	1,773.04	1/2	1,479.69	1/2	1,186.28	1/2	894.00	1/2	605.50	1/2	311.87	1/2	22.12	1/2		1/2		1/2	
3/4	1,766.93	3/4	1,473.58	3/4	1,180.17	3/4	888.01	3/4	599.38	3/4	305.76	3/4	17.02	3/4		3/4		3/4	
4	1,760.82	4	1,467.47	4	1,174.05	4	882.04	4	593.26	4	299.64	4	13.96	4		4		4	
1/4	1,754.71	1/4	1,461.35	1/4	1,167.94	1/4	876.07	1/4	587.15	1/4	293.52	1/4	10.89	1/4		1/4		1/4	
1/2	1,748.59	1/2	1,455.24	1/2	1,161.83	1/2	870.10	1/2	581.03	1/2	287.40	1/2	7.83	1/2		1/2		1/2	
3/4	1,742.48	3/4	1,449.13	3/4	1,155.71	3/4	864.13	3/4	574.91	3/4	281.29	3/4	4.76	3/4		3/4		3/4	
5	1,736.37	5	1,443.02	5	1,149.60	5	858.18	5	568.80	5	275.17	5	3.74	5		5		5	
1/4	1,730.26	1/4	1,436.90	1/4	1,143.49	1/4	852.23	1/4	562.68	1/4	269.05	1/4	2.72	1/4		1/4		1/4	
1/2	1,724.14	1/2	1,430.79	1/2	1,137.38	1/2	846.27	1/2	556.56	1/2	262.94	1/2	1.70	1/2		1/2		1/2	
3/4	1,718.03	3/4	1,424.68	3/4	1,131.26	3/4	840.32	3/4	550.44	3/4	256.82	3/4	0.68	3/4		3/4		3/4	
6	1,711.92	6	1,418.57	6	1,125.15	6	834.36	6	544.33	6	250.70	6		6		6		6	
1/4	1,705.81	1/4	1,412.45	1/4	1,119.04	1/4	828.41	1/4	538.21	1/4	244.58	1/4		1/4		1/4		1/4	
1/2	1,699.70	1/2	1,406.34	1/2	1,112.93	1/2	822.46	1/2	532.09	1/2	238.47	1/2		1/2		1/2		1/2	
3/4	1,693.59	3/4	1,400.23	3/4	1,106.81	3/4	816.50	3/4	525.98	3/4	232.35	3/4		3/4		3/4		3/4	
7	1,687.48	7	1,394.11	7	1,100.70	7	810.55	7	519.86	7	226.23	7		7		7		7	
1/4	1,681.37	1/4	1,388.00	1/4	1,094.59	1/4	804.60	1/4	513.74	1/4	220.12	1/4		1/4		1/4		1/4	
1/2	1,675.26	1/2	1,381.89	1/2	1,088.47	1/2	798.64	1/2	507.62	1/2	214.00	1/2		1/2		1/2		1/2	
3/4	1,669.15	3/4	1,375.78	3/4	1,082.36	3/4	792.69	3/4	501.51	3/4	207.88	3/4		3/4		3/4		3/4	
8	1,663.04	8	1,369.66	8	1,076.25	8	786.74	8	495.39	8	201.76	8		8		8		8	
1/4	1,656.93	1/4	1,363.55	1/4	1,070.14	1/4	780.78	1/4	489.27	1/4	195.65	1/4		1/4		1/4		1/4	
1/2	1,650.82	1/2	1,357.44	1/2	1,064.02	1/2	774.83	1/2	483.15	1/2	189.53	1/2		1/2		1/2		1/2	
3/4	1,644.71	3/4	1,351.32	3/4	1,057.91	3/4	768.87	3/4	477.04	3/4	183.41	3/4		3/4		3/4		3/4	
9	1,638.60	9	1,345.21	9	1,051.80	9	762.92	9	470.92	9	177.30	9		9		9		9	
1/4	1,632.49	1/4	1,339.10	1/4	1,045.68	1/4	756.97	1/4	464.80	1/4	171.18	1/4		1/4		1/4		1/4	
1/2	1,626.38	1/2	1,332.99	1/2	1,039.57	1/2	751.01	1/2	458.69	1/2	165.06	1/2		1/2		1/2		1/2	
3/4	1,620.27	3/4	1,326.87	3/4	1,033.46	3/4	745.06	3/4	452.57	3/4	158.95	3/4		3/4		3/4		3/4	
10	1,614.16	10	1,320.76	10	1,027.35	10	739.11	10	446.45	10	152.82	10		10		10		10	
1/4	1,608.05	1/4	1,314.65	1/4	1,021.23	1/4	733.15	1/4	440.33	1/4	146.70	1/4		1/4		1/4		1/4	
1/2	1,601.94	1/2	1,308.53	1/2	1,015.12	1/2	727.20	1/2	434.22	1/2	140.58	1/2		1/2		1/2		1/2	
3/4	1,595.83	3/4	1,302.42	3/4	1,009.01	3/4	721.25	3/4	428.10	3/4	134.46	3/4		3/4		3/4		3/4	
11	1,589.72	11	1,296.31	11	1,002.89	11	715.23	11	421.98	11	128.35	11		11		11		11	
1/4	1,583.61	1/4	1,290.20	1/4	996.78	1/4	709.21	1/4	415.87	1/4	122.23	1/4		1/4		1/4		1/4	
1/2	1,577.50	1/2	1,284.08	1/2	990.67	1/2	703.19	1/2	409.75	1/2	116.12	1/2		1/2		1/2		1/2	
3/4	1,571.39	3/4	1,277.97	3/4	984.56	3/4	697.18	3/4	403.63	3/4	110.01	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/21/2010 CL - SW
CALCULATED: 06/22/2010 CL
PRINTED: 06/22/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2010

PRECISION MEASUREMENT
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