



BARGE "KIRBY 10240"

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

(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: 163'-06"

August 15, 2012

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

<http://www.pmacorp.net>



BARGE "KIRBY 10240"

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	3,758.73	0	3,525.36	0	3,272.63	0	3,019.90	0	2,757.08	0	2,461.60	0	2,165.51
1/4		1/4		1/4		1/4	3,757.70	1/4	3,520.09	1/4	3,267.36	1/4	3,014.63	1/4	2,750.93	1/4	2,455.43	1/4	2,159.34
1/2		1/2		1/2		1/2	3,754.60	1/2	3,514.83	1/2	3,262.10	1/2	3,009.37	1/2	2,744.78	1/2	2,449.27	1/2	2,153.17
3/4		3/4		3/4		3/4	3,751.51	3/4	3,509.56	3/4	3,256.83	3/4	3,004.10	3/4	2,738.63	3/4	2,443.10	3/4	2,147.00
1		1		1		1	3,748.41	1	3,504.30	1	3,251.57	1	2,998.84	1	2,732.48	1	2,436.93	1	2,140.84
1/4		1/4		1/4		1/4	3,745.31	1/4	3,499.03	1/4	3,246.30	1/4	2,993.57	1/4	2,726.33	1/4	2,430.76	1/4	2,134.67
1/2		1/2		1/2		1/2	3,741.17	1/2	3,493.77	1/2	3,241.04	1/2	2,988.31	1/2	2,720.18	1/2	2,424.59	1/2	2,128.50
3/4		3/4		3/4		3/4	3,737.02	3/4	3,488.50	3/4	3,235.77	3/4	2,983.04	3/4	2,714.03	3/4	2,418.42	3/4	2,122.33
2		2		2		2	3,732.87	2	3,483.24	2	3,230.51	2	2,977.78	2	2,707.88	2	2,412.25	2	2,116.16
1/4		1/4		1/4		1/4	3,728.73	1/4	3,477.97	1/4	3,225.24	1/4	2,972.51	1/4	2,701.73	1/4	2,406.09	1/4	2,109.99
1/2		1/2		1/2		1/2	3,723.60	1/2	3,472.71	1/2	3,219.98	1/2	2,967.25	1/2	2,695.58	1/2	2,399.92	1/2	2,103.82
3/4		3/4		3/4		3/4	3,718.47	3/4	3,467.44	3/4	3,214.71	3/4	2,961.98	3/4	2,689.43	3/4	2,393.75	3/4	2,097.66
3		3		3		3	3,713.33	3	3,462.17	3	3,209.45	3	2,956.72	3	2,683.28	3	2,387.58	3	2,091.49
1/4		1/4		1/4		1/4	3,708.20	1/4	3,456.91	1/4	3,204.18	1/4	2,951.45	1/4	2,677.13	1/4	2,381.41	1/4	2,085.32
1/2		1/2		1/2		1/2	3,703.04	1/2	3,451.64	1/2	3,198.91	1/2	2,946.19	1/2	2,670.98	1/2	2,375.24	1/2	2,079.15
3/4		3/4		3/4		3/4	3,697.87	3/4	3,446.38	3/4	3,193.65	3/4	2,940.92	3/4	2,664.83	3/4	2,369.07	3/4	2,072.98
4		4		4		4	3,692.70	4	3,441.11	4	3,188.38	4	2,935.65	4	2,658.68	4	2,362.91	4	2,066.81
1/4		1/4		1/4		1/4	3,687.54	1/4	3,435.85	1/4	3,183.12	1/4	2,930.39	1/4	2,652.53	1/4	2,356.74	1/4	2,060.64
1/2		1/2		1/2		1/2	3,682.36	1/2	3,430.58	1/2	3,177.85	1/2	2,925.12	1/2	2,646.38	1/2	2,350.57	1/2	2,054.48
3/4		3/4		3/4		3/4	3,677.18	3/4	3,425.32	3/4	3,172.59	3/4	2,919.86	3/4	2,640.23	3/4	2,344.40	3/4	2,048.31
5		5		5		5	3,672.00	5	3,420.05	5	3,167.32	5	2,914.59	5	2,634.08	5	2,338.23	5	2,042.14
1/4		1/4		1/4		1/4	3,666.82	1/4	3,414.79	1/4	3,162.06	1/4	2,909.33	1/4	2,627.93	1/4	2,332.06	1/4	2,035.97
1/2		1/2		1/2		1/2	3,661.64	1/2	3,409.52	1/2	3,156.79	1/2	2,904.06	1/2	2,621.78	1/2	2,325.89	1/2	2,029.80
3/4		3/4		3/4		3/4	3,656.46	3/4	3,404.26	3/4	3,151.53	3/4	2,898.80	3/4	2,615.63	3/4	2,319.73	3/4	2,023.63
6		6		6		6	3,651.28	6	3,398.99	6	3,146.26	6	2,893.53	6	2,609.48	6	2,313.56	6	2,017.46
1/4		1/4		1/4		1/4	3,646.11	1/4	3,393.73	1/4	3,141.00	1/4	2,888.27	1/4	2,603.33	1/4	2,307.39	1/4	2,011.30
1/2		1/2		1/2		1/2	3,640.93	1/2	3,388.46	1/2	3,135.73	1/2	2,883.00	1/2	2,597.18	1/2	2,301.22	1/2	2,005.13
3/4		3/4		3/4		3/4	3,635.75	3/4	3,383.20	3/4	3,130.47	3/4	2,877.74	3/4	2,591.03	3/4	2,295.05	3/4	1,998.96
7		7		7		7	3,630.57	7	3,377.93	7	3,125.20	7	2,872.47	7	2,584.88	7	2,288.88	7	1,992.79
1/4		1/4		1/4		1/4	3,625.40	1/4	3,372.67	1/4	3,119.94	1/4	2,867.21	1/4	2,578.73	1/4	2,282.71	1/4	1,986.62
1/2		1/2		1/2		1/2	3,620.13	1/2	3,367.40	1/2	3,114.67	1/2	2,861.92	1/2	2,572.58	1/2	2,276.54	1/2	1,980.45
3/4		3/4		3/4		3/4	3,614.87	3/4	3,362.14	3/4	3,109.41	3/4	2,856.63	3/4	2,566.43	3/4	2,270.38	3/4	1,974.28
8		8		8		8	3,609.60	8	3,356.87	8	3,104.14	8	2,851.34	8	2,560.28	8	2,264.21	8	1,968.11
1/4		1/4		1/4		1/4	3,604.34	1/4	3,351.61	1/4	3,098.88	1/4	2,846.05	1/4	2,554.13	1/4	2,258.04	1/4	1,961.95
1/2		1/2		1/2		1/2	3,599.07	1/2	3,346.34	1/2	3,093.61	1/2	2,840.76	1/2	2,547.96	1/2	2,251.87	1/2	1,955.78
3/4		3/4		3/4		3/4	3,593.80	3/4	3,341.08	3/4	3,088.35	3/4	2,835.47	3/4	2,541.79	3/4	2,245.70	3/4	1,949.61
9		9		9		9	3,588.54	9	3,335.81	9	3,083.08	9	2,830.18	9	2,535.63	9	2,239.53	9	1,943.44
1/4		1/4		1/4		1/4	3,583.27	1/4	3,330.54	1/4	3,077.82	1/4	2,824.89	1/4	2,529.46	1/4	2,233.36	1/4	1,937.27
1/2		1/2		1/2		1/2	3,578.01	1/2	3,325.28	1/2	3,072.55	1/2	2,818.70	1/2	2,523.29	1/2	2,227.20	1/2	1,931.10
3/4		3/4		3/4		3/4	3,572.74	3/4	3,320.01	3/4	3,067.28	3/4	2,812.51	3/4	2,517.12	3/4	2,221.03	3/4	1,924.93
10		10		10		10	3,567.48	10	3,314.75	10	3,062.02	10	2,806.31	10	2,510.95	10	2,214.86	10	1,918.77
1/4		1/4		1/4		1/4	3,562.21	1/4	3,309.48	1/4	3,056.75	1/4	2,800.12	1/4	2,504.78	1/4	2,208.69	1/4	1,912.60
1/2		1/2		1/2		1/2	3,556.95	1/2	3,304.22	1/2	3,051.49	1/2	2,793.97	1/2	2,498.61	1/2	2,202.52	1/2	1,906.43
3/4		3/4		3/4		3/4	3,551.68	3/4	3,298.95	3/4	3,046.22	3/4	2,787.82	3/4	2,492.45	3/4	2,196.35	3/4	1,900.26
11		11		11		11	3,546.42	11	3,293.69	11	3,040.96	11	2,781.67	11	2,486.28	11	2,190.18	11	1,894.09
1/4		1/4		1/4	3,761.83	1/4	3,541.15	1/4	3,288.42	1/4	3,035.69	1/4	2,775.52	1/4	2,480.11	1/4	2,184.02	1/4	1,887.92
1/2		1/2		1/2	3,760.80	1/2	3,535.89	1/2	3,283.16	1/2	3,030.43	1/2	2,769.37	1/2	2,473.94	1/2	2,177.85	1/2	1,881.75
3/4		3/4		3/4	3,759.76	3/4	3,530.62	3/4	3,277.89	3/4	3,025.16	3/4	2,763.23	3/4	2,467.77	3/4	2,171.68	3/4	1,875.59

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
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 10240"

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	1,869.42	0	1,573.06	0	1,276.56	0	980.06	0	689.63	0	392.94	0	96.33	0		0		0	
1/4	1,863.25	1/4	1,566.89	1/4	1,270.39	1/4	973.89	1/4	683.46	1/4	386.76	1/4	90.17	1/4	1/4	1/4		1/4	
1/2	1,857.08	1/2	1,560.71	1/2	1,264.21	1/2	967.77	1/2	677.28	1/2	380.58	1/2	84.05	1/2	1/2	1/2		1/2	
3/4	1,850.91	3/4	1,554.53	3/4	1,258.03	3/4	961.66	3/4	671.10	3/4	374.40	3/4	77.93	3/4	3/4	3/4		3/4	
1	1,844.74	1	1,548.36	1	1,251.85	1	955.54	1	664.92	1	368.22	1	71.81	1	1	1		1	
1/4	1,838.57	1/4	1,542.18	1/4	1,245.68	1/4	949.43	1/4	658.74	1/4	362.04	1/4	65.69	1/4	1/4	1/4		1/4	
1/2	1,832.41	1/2	1,536.00	1/2	1,239.50	1/2	943.38	1/2	652.56	1/2	355.85	1/2	59.62	1/2	1/2	1/2		1/2	
3/4	1,826.24	3/4	1,529.82	3/4	1,233.32	3/4	937.32	3/4	646.38	3/4	349.67	3/4	53.56	3/4	3/4	3/4		3/4	
2	1,820.07	2	1,523.65	2	1,227.15	2	931.27	2	640.20	2	343.49	2	47.49	2	2	2		2	
1/4	1,813.90	1/4	1,517.47	1/4	1,220.97	1/4	925.22	1/4	634.02	1/4	337.31	1/4	41.43	1/4	1/4	1/4		1/4	
1/2	1,807.72	1/2	1,511.29	1/2	1,214.79	1/2	919.17	1/2	627.84	1/2	331.13	1/2	36.28	1/2	1/2	1/2		1/2	
3/4	1,801.55	3/4	1,505.12	3/4	1,208.61	3/4	913.12	3/4	621.65	3/4	324.95	3/4	31.12	3/4	3/4	3/4		3/4	
3	1,795.37	3	1,498.94	3	1,202.44	3	907.07	3	615.47	3	318.77	3	25.97	3	3	3		3	
1/4	1,789.19	1/4	1,492.76	1/4	1,196.26	1/4	901.02	1/4	609.29	1/4	312.58	1/4	20.82	1/4	1/4	1/4		1/4	
1/2	1,783.01	1/2	1,486.58	1/2	1,190.08	1/2	894.99	1/2	603.11	1/2	306.40	1/2	17.72	1/2	1/2	1/2		1/2	
3/4	1,776.84	3/4	1,480.41	3/4	1,183.91	3/4	888.95	3/4	596.93	3/4	300.22	3/4	14.63	3/4	3/4	3/4		3/4	
4	1,770.66	4	1,474.23	4	1,177.73	4	882.92	4	590.75	4	294.04	4	11.53	4	4	4		4	
1/4	1,764.48	1/4	1,468.05	1/4	1,171.55	1/4	876.88	1/4	584.57	1/4	287.86	1/4	8.43	1/4	1/4	1/4		1/4	
1/2	1,758.31	1/2	1,461.88	1/2	1,165.38	1/2	870.86	1/2	578.38	1/2	281.68	1/2	7.40	1/2	1/2	1/2		1/2	
3/4	1,752.13	3/4	1,455.70	3/4	1,159.20	3/4	864.84	3/4	572.20	3/4	275.50	3/4	6.37	3/4	3/4	3/4		3/4	
5	1,745.95	5	1,449.52	5	1,153.02	5	858.83	5	566.02	5	269.31	5	5.34	5	5	5		5	
1/4	1,739.78	1/4	1,443.34	1/4	1,146.84	1/4	852.81	1/4	559.84	1/4	263.13	1/4	4.31	1/4	1/4	1/4		1/4	
1/2	1,733.60	1/2	1,437.17	1/2	1,140.67	1/2	846.79	1/2	553.66	1/2	256.95	1/2		1/2	1/2	1/2		1/2	
3/4	1,727.42	3/4	1,430.99	3/4	1,134.49	3/4	840.77	3/4	547.48	3/4	250.77	3/4		3/4	3/4	3/4		3/4	
6	1,721.25	6	1,424.81	6	1,128.31	6	834.75	6	541.30	6	244.59	6		6	6	6		6	
1/4	1,715.07	1/4	1,418.64	1/4	1,122.14	1/4	828.74	1/4	535.12	1/4	238.41	1/4		1/4	1/4	1/4		1/4	
1/2	1,708.90	1/2	1,412.46	1/2	1,115.96	1/2	822.72	1/2	528.93	1/2	232.23	1/2		1/2	1/2	1/2		1/2	
3/4	1,702.73	3/4	1,406.28	3/4	1,109.78	3/4	816.70	3/4	522.75	3/4	226.05	3/4		3/4	3/4	3/4		3/4	
7	1,696.55	7	1,400.10	7	1,103.60	7	810.68	7	516.57	7	219.86	7		7	7	7		7	
1/4	1,690.38	1/4	1,393.93	1/4	1,097.43	1/4	804.66	1/4	510.39	1/4	213.68	1/4		1/4	1/4	1/4		1/4	
1/2	1,684.20	1/2	1,387.75	1/2	1,091.25	1/2	798.64	1/2	504.21	1/2	207.50	1/2		1/2	1/2	1/2		1/2	
3/4	1,678.03	3/4	1,381.57	3/4	1,085.07	3/4	792.63	3/4	498.03	3/4	201.32	3/4		3/4	3/4	3/4		3/4	
8	1,671.86	8	1,375.40	8	1,078.90	8	786.61	8	491.85	8	195.14	8		8	8	8		8	
1/4	1,665.68	1/4	1,369.22	1/4	1,072.72	1/4	780.59	1/4	485.66	1/4	188.96	1/4		1/4	1/4	1/4		1/4	
1/2	1,659.51	1/2	1,363.04	1/2	1,066.54	1/2	774.57	1/2	479.48	1/2	182.78	1/2		1/2	1/2	1/2		1/2	
3/4	1,653.33	3/4	1,356.87	3/4	1,060.36	3/4	768.55	3/4	473.30	3/4	176.60	3/4		3/4	3/4	3/4		3/4	
9	1,647.16	9	1,350.69	9	1,054.19	9	762.54	9	467.12	9	170.41	9		9	9	9		9	
1/4	1,640.99	1/4	1,344.51	1/4	1,048.01	1/4	756.52	1/4	460.94	1/4	164.23	1/4		1/4	1/4	1/4		1/4	
1/2	1,634.81	1/2	1,338.33	1/2	1,041.83	1/2	750.50	1/2	454.76	1/2	158.05	1/2		1/2	1/2	1/2		1/2	
3/4	1,628.64	3/4	1,332.16	3/4	1,035.66	3/4	744.48	3/4	448.58	3/4	151.86	3/4		3/4	3/4	3/4		3/4	
10	1,622.46	10	1,325.98	10	1,029.48	10	738.46	10	442.39	10	145.67	10		10	10	10		10	
1/4	1,616.29	1/4	1,319.80	1/4	1,023.30	1/4	732.44	1/4	436.21	1/4	139.49	1/4		1/4	1/4	1/4		1/4	
1/2	1,610.12	1/2	1,313.63	1/2	1,017.12	1/2	726.36	1/2	430.03	1/2	133.31	1/2		1/2	1/2	1/2		1/2	
3/4	1,603.94	3/4	1,307.45	3/4	1,010.95	3/4	720.28	3/4	423.85	3/4	127.14	3/4		3/4	3/4	3/4		3/4	
11	1,597.77	11	1,301.27	11	1,004.77	11	714.20	11	417.67	11	120.96	11		11	11	11		11	
1/4	1,591.60	1/4	1,295.09	1/4	998.59	1/4	708.12	1/4	411.49	1/4	114.79	1/4		1/4	1/4	1/4		1/4	
1/2	1,585.42	1/2	1,288.92	1/2	992.42	1/2	701.95	1/2	405.31	1/2	108.64	1/2		1/2	1/2	1/2		1/2	
3/4	1,579.24	3/4	1,282.74	3/4	986.24	3/4	695.79	3/4	399.12	3/4	102.48	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/15/2012 CL - SW
CALCULATED: 08/15/2012 CL
PRINTED: 08/15/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2012

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



BARGE "KIRBY 10240"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	3,250.86	0	2,989.27	0	2,727.68	0	2,465.65	0	2,202.66	0	1,939.66
1/4		1/4		1/4		1/4	3,471.82	1/4	3,245.41	1/4	2,983.82	1/4	2,722.23	1/4	2,460.17	1/4	2,197.18	1/4	1,934.19
1/2		1/2		1/2		1/2	3,470.90	1/2	3,239.96	1/2	2,978.37	1/2	2,716.78	1/2	2,454.69	1/2	2,191.70	1/2	1,928.71
3/4		3/4		3/4		3/4	3,469.99	3/4	3,234.51	3/4	2,972.92	3/4	2,711.33	3/4	2,449.21	3/4	2,186.22	3/4	1,923.23
1		1		1		1	3,469.08	1	3,229.06	1	2,967.47	1	2,705.88	1	2,443.73	1	2,180.74	1	1,917.75
1/4		1/4		1/4		1/4	3,468.16	1/4	3,223.61	1/4	2,962.02	1/4	2,700.43	1/4	2,438.25	1/4	2,175.26	1/4	1,912.27
1/2		1/2		1/2		1/2	3,465.42	1/2	3,218.16	1/2	2,956.57	1/2	2,694.98	1/2	2,432.77	1/2	2,169.78	1/2	1,906.79
3/4		3/4		3/4		3/4	3,462.68	3/4	3,212.71	3/4	2,951.12	3/4	2,689.53	3/4	2,427.30	3/4	2,164.30	3/4	1,901.31
2		2		2		2	3,459.94	2	3,207.26	2	2,945.67	2	2,684.08	2	2,421.82	2	2,158.82	2	1,895.83
1/4		1/4		1/4		1/4	3,457.20	1/4	3,201.81	1/4	2,940.22	1/4	2,678.63	1/4	2,416.34	1/4	2,153.35	1/4	1,890.35
1/2		1/2		1/2		1/2	3,452.76	1/2	3,196.36	1/2	2,934.77	1/2	2,673.18	1/2	2,410.86	1/2	2,147.87	1/2	1,884.87
3/4		3/4		3/4		3/4	3,448.32	3/4	3,190.91	3/4	2,929.32	3/4	2,667.73	3/4	2,405.38	3/4	2,142.39	3/4	1,879.40
3		3		3		3	3,443.88	3	3,185.46	3	2,923.87	3	2,662.28	3	2,399.90	3	2,136.91	3	1,873.92
1/4		1/4		1/4		1/4	3,439.44	1/4	3,180.01	1/4	2,918.42	1/4	2,656.83	1/4	2,394.42	1/4	2,131.43	1/4	1,868.44
1/2		1/2		1/2		1/2	3,434.13	1/2	3,174.56	1/2	2,912.97	1/2	2,651.38	1/2	2,388.94	1/2	2,125.95	1/2	1,862.96
3/4		3/4		3/4		3/4	3,428.82	3/4	3,169.11	3/4	2,907.52	3/4	2,645.93	3/4	2,383.46	3/4	2,120.47	3/4	1,857.48
4		4		4		4	3,423.51	4	3,163.66	4	2,902.07	4	2,640.48	4	2,377.98	4	2,114.99	4	1,852.00
1/4		1/4		1/4		1/4	3,418.20	1/4	3,158.21	1/4	2,896.62	1/4	2,635.03	1/4	2,372.51	1/4	2,109.51	1/4	1,846.52
1/2		1/2		1/2		1/2	3,412.86	1/2	3,152.76	1/2	2,891.17	1/2	2,629.58	1/2	2,367.03	1/2	2,104.03	1/2	1,841.04
3/4		3/4		3/4		3/4	3,407.52	3/4	3,147.31	3/4	2,885.72	3/4	2,624.13	3/4	2,361.55	3/4	2,098.56	3/4	1,835.56
5		5		5		5	3,402.17	5	3,141.86	5	2,880.27	5	2,618.68	5	2,356.07	5	2,093.08	5	1,830.08
1/4		1/4		1/4		1/4	3,396.83	1/4	3,136.41	1/4	2,874.82	1/4	2,613.23	1/4	2,350.59	1/4	2,087.60	1/4	1,824.61
1/2		1/2		1/2		1/2	3,391.48	1/2	3,130.96	1/2	2,869.37	1/2	2,607.78	1/2	2,345.11	1/2	2,082.12	1/2	1,819.13
3/4		3/4		3/4		3/4	3,386.12	3/4	3,125.51	3/4	2,863.92	3/4	2,602.33	3/4	2,339.63	3/4	2,076.64	3/4	1,813.65
6		6		6		6	3,380.77	6	3,120.06	6	2,858.47	6	2,596.88	6	2,334.15	6	2,071.16	6	1,808.17
1/4		1/4		1/4		1/4	3,375.42	1/4	3,114.61	1/4	2,853.02	1/4	2,591.43	1/4	2,328.67	1/4	2,065.68	1/4	1,802.69
1/2		1/2		1/2		1/2	3,370.07	1/2	3,109.16	1/2	2,847.57	1/2	2,585.98	1/2	2,323.19	1/2	2,060.20	1/2	1,797.21
3/4		3/4		3/4		3/4	3,364.71	3/4	3,103.71	3/4	2,842.12	3/4	2,580.53	3/4	2,317.72	3/4	2,054.72	3/4	1,791.73
7		7		7		7	3,359.36	7	3,098.26	7	2,836.67	7	2,575.08	7	2,312.24	7	2,049.24	7	1,786.25
1/4		1/4		1/4		1/4	3,354.01	1/4	3,092.81	1/4	2,831.22	1/4	2,569.63	1/4	2,306.76	1/4	2,043.77	1/4	1,780.77
1/2		1/2		1/2		1/2	3,348.66	1/2	3,087.36	1/2	2,825.77	1/2	2,564.18	1/2	2,301.28	1/2	2,038.29	1/2	1,775.29
3/4		3/4		3/4		3/4	3,343.31	3/4	3,081.91	3/4	2,820.32	3/4	2,558.73	3/4	2,295.80	3/4	2,032.81	3/4	1,769.82
8		8		8		8	3,337.96	8	3,076.46	8	2,814.87	8	2,553.28	8	2,290.32	8	2,027.33	8	1,764.34
1/4		1/4		1/4		1/4	3,332.60	1/4	3,071.01	1/4	2,809.42	1/4	2,547.83	1/4	2,284.84	1/4	2,021.85	1/4	1,758.86
1/2		1/2		1/2		1/2	3,327.15	1/2	3,065.56	1/2	2,803.97	1/2	2,542.35	1/2	2,279.36	1/2	2,016.37	1/2	1,753.38
3/4		3/4		3/4		3/4	3,321.71	3/4	3,060.11	3/4	2,798.52	3/4	2,536.88	3/4	2,273.88	3/4	2,010.89	3/4	1,747.90
9		9		9		9	3,316.26	9	3,054.66	9	2,793.07	9	2,531.40	9	2,268.40	9	2,005.41	9	1,742.42
1/4		1/4		1/4		1/4	3,310.81	1/4	3,049.22	1/4	2,787.62	1/4	2,525.92	1/4	2,262.93	1/4	1,999.93	1/4	1,736.94
1/2		1/2		1/2		1/2	3,305.36	1/2	3,043.77	1/2	2,782.17	1/2	2,520.44	1/2	2,257.45	1/2	1,994.45	1/2	1,731.46
3/4		3/4		3/4		3/4	3,299.91	3/4	3,038.32	3/4	2,776.73	3/4	2,514.96	3/4	2,251.97	3/4	1,988.98	3/4	1,725.98
10		10		10		10	3,294.46	10	3,032.87	10	2,771.28	10	2,509.48	10	2,246.49	10	1,983.50	10	1,720.50
1/4		1/4		1/4		1/4	3,289.01	1/4	3,027.42	1/4	2,765.83	1/4	2,504.00	1/4	2,241.01	1/4	1,978.02	1/4	1,715.03
1/2		1/2		1/2		1/2	3,283.56	1/2	3,021.97	1/2	2,760.38	1/2	2,498.52	1/2	2,235.53	1/2	1,972.54	1/2	1,709.55
3/4		3/4		3/4		3/4	3,278.11	3/4	3,016.52	3/4	2,754.93	3/4	2,493.04	3/4	2,230.05	3/4	1,967.06	3/4	1,704.07
11		11		11		11	3,272.66	11	3,011.07	11	2,749.48	11	2,487.56	11	2,224.57	11	1,961.58	11	1,698.59
1/4		1/4		1/4		1/4	3,267.21	1/4	3,005.62	1/4	2,744.03	1/4	2,482.09	1/4	2,219.09	1/4	1,956.10	1/4	1,693.11
1/2		1/2		1/2		1/2	3,261.76	1/2	3,000.17	1/2	2,738.58	1/2	2,476.61	1/2	2,213.61	1/2	1,950.62	1/2	1,687.63
3/4		3/4		3/4		3/4	3,256.31	3/4	2,994.72	3/4	2,733.13	3/4	2,471.13	3/4	2,208.14	3/4	1,945.14	3/4	1,682.15

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 27'-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 10240"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

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	1,676.67	0	1,413.68	0	1,150.52	0	889.14	0	630.10	0	367.01	0	103.94	0		0		0	
1/4	1,671.19	1/4	1,408.20	1/4	1,145.04	1/4	883.74	1/4	624.66	1/4	361.53	1/4	98.48	1/4	1/4	1/4		1/4	
1/2	1,665.71	1/2	1,402.72	1/2	1,139.56	1/2	878.35	1/2	619.18	1/2	356.04	1/2	93.03	1/2	1/2	1/2		1/2	
3/4	1,660.24	3/4	1,397.24	3/4	1,134.08	3/4	872.95	3/4	613.70	3/4	350.56	3/4	87.58	3/4	3/4	3/4		3/4	
1	1,654.76	1	1,391.75	1	1,128.59	1	867.55	1	608.22	1	345.08	1	82.13	1	1	1		1	
1/4	1,649.28	1/4	1,386.27	1/4	1,123.11	1/4	862.15	1/4	602.74	1/4	339.60	1/4	76.69	1/4	1/4	1/4		1/4	
1/2	1,643.80	1/2	1,380.79	1/2	1,117.63	1/2	856.76	1/2	597.26	1/2	334.12	1/2	71.27	1/2	1/2	1/2		1/2	
3/4	1,638.32	3/4	1,375.31	3/4	1,112.15	3/4	851.36	3/4	591.77	3/4	328.63	3/4	65.85	3/4	3/4	3/4		3/4	
2	1,632.84	2	1,369.82	2	1,106.66	2	845.96	2	586.29	2	323.15	2	60.43	2	2	2		2	
1/4	1,627.36	1/4	1,364.34	1/4	1,101.18	1/4	840.56	1/4	580.81	1/4	317.67	1/4	55.01	1/4	1/4	1/4		1/4	
1/2	1,621.88	1/2	1,358.86	1/2	1,095.70	1/2	835.17	1/2	575.33	1/2	312.19	1/2	49.64	1/2	1/2	1/2		1/2	
3/4	1,616.40	3/4	1,353.38	3/4	1,090.22	3/4	829.77	3/4	569.85	3/4	306.71	3/4	44.27	3/4	3/4	3/4		3/4	
3	1,610.92	3	1,347.89	3	1,084.73	3	824.37	3	564.36	3	301.22	3	38.91	3	3	3		3	
1/4	1,605.45	1/4	1,342.41	1/4	1,079.25	1/4	818.97	1/4	558.88	1/4	295.74	1/4	33.54	1/4	1/4	1/4		1/4	
1/2	1,599.97	1/2	1,336.93	1/2	1,073.77	1/2	813.58	1/2	553.40	1/2	290.26	1/2	28.98	1/2	1/2	1/2		1/2	
3/4	1,594.49	3/4	1,331.45	3/4	1,068.29	3/4	808.19	3/4	547.92	3/4	284.78	3/4	24.42	3/4	3/4	3/4		3/4	
4	1,589.01	4	1,325.96	4	1,062.80	4	802.80	4	542.44	4	279.29	4	19.86	4	4	4		4	
1/4	1,583.53	1/4	1,320.48	1/4	1,057.32	1/4	797.40	1/4	536.95	1/4	273.81	1/4	15.29	1/4	1/4	1/4		1/4	
1/2	1,578.05	1/2	1,315.00	1/2	1,051.84	1/2	792.01	1/2	531.47	1/2	268.33	1/2	12.55	1/2	1/2	1/2		1/2	
3/4	1,572.57	3/4	1,309.52	3/4	1,046.36	3/4	786.62	3/4	525.99	3/4	262.85	3/4	9.81	3/4	3/4	3/4		3/4	
5	1,567.09	5	1,304.03	5	1,040.87	5	781.23	5	520.51	5	257.37	5	7.07	5	5	5		5	
1/4	1,561.61	1/4	1,298.55	1/4	1,035.39	1/4	775.83	1/4	515.03	1/4	251.88	1/4	4.33	1/4	1/4	1/4		1/4	
1/2	1,556.13	1/2	1,293.07	1/2	1,029.91	1/2	770.44	1/2	509.54	1/2	246.40	1/2	3.42	1/2	1/2	1/2		1/2	
3/4	1,550.66	3/4	1,287.59	3/4	1,024.43	3/4	765.05	3/4	504.06	3/4	240.92	3/4	2.50	3/4	3/4	3/4		3/4	
6	1,545.18	6	1,282.10	6	1,018.94	6	759.66	6	498.58	6	235.44	6	1.59	6	6	6		6	
1/4	1,539.70	1/4	1,276.62	1/4	1,013.46	1/4	754.26	1/4	493.10	1/4	229.96	1/4	0.68	1/4	1/4	1/4		1/4	
1/2	1,534.22	1/2	1,271.14	1/2	1,008.02	1/2	748.87	1/2	487.61	1/2	224.47	1/2		1/2	1/2	1/2		1/2	
3/4	1,528.74	3/4	1,265.66	3/4	1,002.58	3/4	743.48	3/4	482.13	3/4	218.99	3/4		3/4	3/4	3/4		3/4	
7	1,523.26	7	1,260.17	7	997.14	7	738.09	7	476.65	7	213.51	7		7	7	7		7	
1/4	1,517.78	1/4	1,254.69	1/4	991.70	1/4	732.69	1/4	471.17	1/4	208.03	1/4		1/4	1/4	1/4		1/4	
1/2	1,512.30	1/2	1,249.21	1/2	986.30	1/2	727.30	1/2	465.69	1/2	202.55	1/2		1/2	1/2	1/2		1/2	
3/4	1,506.82	3/4	1,243.73	3/4	980.90	3/4	721.91	3/4	460.20	3/4	197.06	3/4		3/4	3/4	3/4		3/4	
8	1,501.34	8	1,238.24	8	975.51	8	716.52	8	454.72	8	191.58	8		8	8	8		8	
1/4	1,495.87	1/4	1,232.76	1/4	970.11	1/4	711.12	1/4	449.24	1/4	186.10	1/4		1/4	1/4	1/4		1/4	
1/2	1,490.39	1/2	1,227.28	1/2	964.71	1/2	705.73	1/2	443.76	1/2	180.62	1/2		1/2	1/2	1/2		1/2	
3/4	1,484.91	3/4	1,221.80	3/4	959.31	3/4	700.34	3/4	438.28	3/4	175.13	3/4		3/4	3/4	3/4		3/4	
9	1,479.43	9	1,216.31	9	953.91	9	694.95	9	432.79	9	169.65	9		9	9	9		9	
1/4	1,473.95	1/4	1,210.83	1/4	948.52	1/4	689.55	1/4	427.31	1/4	164.17	1/4		1/4	1/4	1/4		1/4	
1/2	1,468.47	1/2	1,205.35	1/2	943.12	1/2	684.16	1/2	421.83	1/2	158.69	1/2		1/2	1/2	1/2		1/2	
3/4	1,462.99	3/4	1,199.87	3/4	937.72	3/4	678.77	3/4	416.35	3/4	153.21	3/4		3/4	3/4	3/4		3/4	
10	1,457.51	10	1,194.38	10	932.32	10	673.38	10	410.87	10	147.73	10		10	10	10		10	
1/4	1,452.03	1/4	1,188.90	1/4	926.93	1/4	667.99	1/4	405.38	1/4	142.25	1/4		1/4	1/4	1/4		1/4	
1/2	1,446.55	1/2	1,183.42	1/2	921.53	1/2	662.59	1/2	399.90	1/2	136.77	1/2		1/2	1/2	1/2		1/2	
3/4	1,441.08	3/4	1,177.94	3/4	916.13	3/4	657.20	3/4	394.42	3/4	131.29	3/4		3/4	3/4	3/4		3/4	
11	1,435.60	11	1,172.45	11	910.73	11	651.81	11	388.94	11	125.82	11		11	11	11		11	
1/4	1,430.12	1/4	1,166.97	1/4	905.34	1/4	646.42	1/4	383.45	1/4	120.34	1/4		1/4	1/4	1/4		1/4	
1/2	1,424.64	1/2	1,161.49	1/2	899.94	1/2	640.98	1/2	377.97	1/2	114.87	1/2		1/2	1/2	1/2		1/2	
3/4	1,419.16	3/4	1,156.01	3/4	894.54	3/4	635.54	3/4	372.49	3/4	109.41	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/15/2012 CL - SW
CALCULATED: 08/15/2012 CL
PRINTED: 08/15/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2012

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



BARGE "KIRBY 10240"

3 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	3,456.23	0	3,231.13	0	2,971.04	0	2,710.95	0	2,450.40	0	2,188.91	0	1,927.42
1/4		1/4		1/4		1/4	3,455.32	1/4	3,225.71	1/4	2,965.62	1/4	2,705.53	1/4	2,444.95	1/4	2,183.46	1/4	1,921.97
1/2		1/2		1/2		1/2	3,454.41	1/2	3,220.29	1/2	2,960.20	1/2	2,700.11	1/2	2,439.50	1/2	2,178.01	1/2	1,916.52
3/4		3/4		3/4		3/4	3,453.51	3/4	3,214.87	3/4	2,954.78	3/4	2,694.70	3/4	2,434.05	3/4	2,172.56	3/4	1,911.07
1		1		1		1	3,452.60	1	3,209.45	1	2,949.37	1	2,689.28	1	2,428.61	1	2,167.12	1	1,905.63
1/4		1/4		1/4		1/4	3,449.87	1/4	3,204.04	1/4	2,943.95	1/4	2,683.86	1/4	2,423.16	1/4	2,161.67	1/4	1,900.18
1/2		1/2		1/2		1/2	3,447.15	1/2	3,198.62	1/2	2,938.53	1/2	2,678.44	1/2	2,417.71	1/2	2,156.22	1/2	1,894.73
3/4		3/4		3/4		3/4	3,444.42	3/4	3,193.20	3/4	2,933.11	3/4	2,673.02	3/4	2,412.26	3/4	2,150.77	3/4	1,889.28
2		2		2		2	3,441.70	2	3,187.78	2	2,927.69	2	2,667.60	2	2,406.82	2	2,145.33	2	1,883.84
1/4		1/4		1/4		1/4	3,437.28	1/4	3,182.36	1/4	2,922.27	1/4	2,662.19	1/4	2,401.37	1/4	2,139.88	1/4	1,878.39
1/2		1/2		1/2		1/2	3,432.87	1/2	3,176.94	1/2	2,916.85	1/2	2,656.77	1/2	2,395.92	1/2	2,134.43	1/2	1,872.94
3/4		3/4		3/4		3/4	3,428.46	3/4	3,171.52	3/4	2,911.44	3/4	2,651.35	3/4	2,390.47	3/4	2,128.98	3/4	1,867.49
3		3		3		3	3,424.04	3	3,166.11	3	2,906.02	3	2,645.93	3	2,385.02	3	2,123.53	3	1,862.05
1/4		1/4		1/4		1/4	3,418.76	1/4	3,160.69	1/4	2,900.60	1/4	2,640.51	1/4	2,379.58	1/4	2,118.09	1/4	1,856.60
1/2		1/2		1/2		1/2	3,413.48	1/2	3,155.27	1/2	2,895.18	1/2	2,635.09	1/2	2,374.13	1/2	2,112.64	1/2	1,851.15
3/4		3/4		3/4		3/4	3,408.20	3/4	3,149.85	3/4	2,889.76	3/4	2,629.67	3/4	2,368.68	3/4	2,107.19	3/4	1,845.70
4		4		4		4	3,402.93	4	3,144.43	4	2,884.34	4	2,624.26	4	2,363.23	4	2,101.74	4	1,840.25
1/4		1/4		1/4		1/4	3,397.61	1/4	3,139.01	1/4	2,878.93	1/4	2,618.84	1/4	2,357.79	1/4	2,096.30	1/4	1,834.81
1/2		1/2		1/2		1/2	3,392.30	1/2	3,133.59	1/2	2,873.51	1/2	2,613.42	1/2	2,352.34	1/2	2,090.85	1/2	1,829.36
3/4		3/4		3/4		3/4	3,386.99	3/4	3,128.18	3/4	2,868.09	3/4	2,608.00	3/4	2,346.89	3/4	2,085.40	3/4	1,823.91
5		5		5		5	3,381.68	5	3,122.76	5	2,862.67	5	2,602.58	5	2,341.44	5	2,079.95	5	1,818.46
1/4		1/4		1/4		1/4	3,376.36	1/4	3,117.34	1/4	2,857.25	1/4	2,597.16	1/4	2,335.99	1/4	2,074.51	1/4	1,813.02
1/2		1/2		1/2		1/2	3,371.03	1/2	3,111.92	1/2	2,851.83	1/2	2,591.74	1/2	2,330.55	1/2	2,069.06	1/2	1,807.57
3/4		3/4		3/4		3/4	3,365.71	3/4	3,106.50	3/4	2,846.41	3/4	2,586.33	3/4	2,325.10	3/4	2,063.61	3/4	1,802.12
6		6		6		6	3,360.38	6	3,101.08	6	2,841.00	6	2,580.91	6	2,319.65	6	2,058.16	6	1,796.67
1/4		1/4		1/4		1/4	3,355.06	1/4	3,095.67	1/4	2,835.58	1/4	2,575.49	1/4	2,314.20	1/4	2,052.71	1/4	1,791.22
1/2		1/2		1/2		1/2	3,349.74	1/2	3,090.25	1/2	2,830.16	1/2	2,570.07	1/2	2,308.76	1/2	2,047.27	1/2	1,785.78
3/4		3/4		3/4		3/4	3,344.42	3/4	3,084.83	3/4	2,824.74	3/4	2,564.65	3/4	2,303.31	3/4	2,041.82	3/4	1,780.33
7		7		7		7	3,339.10	7	3,079.41	7	2,819.32	7	2,559.23	7	2,297.86	7	2,036.37	7	1,774.88
1/4		1/4		1/4		1/4	3,333.78	1/4	3,073.99	1/4	2,813.90	1/4	2,553.82	1/4	2,292.41	1/4	2,030.92	1/4	1,769.43
1/2		1/2		1/2		1/2	3,328.46	1/2	3,068.57	1/2	2,808.48	1/2	2,548.40	1/2	2,286.97	1/2	2,025.48	1/2	1,763.99
3/4		3/4		3/4		3/4	3,323.14	3/4	3,063.15	3/4	2,803.07	3/4	2,542.98	3/4	2,281.52	3/4	2,020.03	3/4	1,758.54
8		8		8		8	3,317.82	8	3,057.74	8	2,797.65	8	2,537.56	8	2,276.07	8	2,014.58	8	1,753.09
1/4		1/4		1/4		1/4	3,312.41	1/4	3,052.32	1/4	2,792.23	1/4	2,532.11	1/4	2,270.62	1/4	2,009.13	1/4	1,747.64
1/2		1/2		1/2		1/2	3,306.99	1/2	3,046.90	1/2	2,786.81	1/2	2,526.66	1/2	2,265.17	1/2	2,003.69	1/2	1,742.20
3/4		3/4		3/4		3/4	3,301.57	3/4	3,041.48	3/4	2,781.39	3/4	2,521.22	3/4	2,259.73	3/4	1,998.24	3/4	1,736.75
9		9		9		9	3,296.15	9	3,036.06	9	2,775.97	9	2,515.77	9	2,254.28	9	1,992.79	9	1,731.30
1/4		1/4		1/4		1/4	3,290.73	1/4	3,030.64	1/4	2,770.56	1/4	2,510.32	1/4	2,248.83	1/4	1,987.34	1/4	1,725.85
1/2		1/2		1/2		1/2	3,285.31	1/2	3,025.22	1/2	2,765.14	1/2	2,504.87	1/2	2,243.38	1/2	1,981.89	1/2	1,720.40
3/4		3/4		3/4		3/4	3,279.89	3/4	3,019.81	3/4	2,759.72	3/4	2,499.43	3/4	2,237.94	3/4	1,976.45	3/4	1,714.96
10		10		10		10	3,274.48	10	3,014.39	10	2,754.30	10	2,493.98	10	2,232.49	10	1,971.00	10	1,709.51
1/4		1/4		1/4		1/4	3,269.06	1/4	3,008.97	1/4	2,748.88	1/4	2,488.53	1/4	2,227.04	1/4	1,965.55	1/4	1,704.06
1/2		1/2		1/2		1/2	3,263.64	1/2	3,003.55	1/2	2,743.46	1/2	2,483.08	1/2	2,221.59	1/2	1,960.10	1/2	1,698.61
3/4		3/4		3/4		3/4	3,258.22	3/4	2,998.13	3/4	2,738.04	3/4	2,477.64	3/4	2,216.15	3/4	1,954.66	3/4	1,693.17
11		11		11		11	3,252.80	11	2,992.71	11	2,732.63	11	2,472.19	11	2,210.70	11	1,949.21	11	1,687.72
1/4		1/4		1/4		1/4	3,247.38	1/4	2,987.30	1/4	2,727.21	1/4	2,466.74	1/4	2,205.25	1/4	1,943.76	1/4	1,682.27
1/2		1/2		1/2		1/2	3,241.96	1/2	2,981.88	1/2	2,721.79	1/2	2,461.29	1/2	2,199.80	1/2	1,938.31	1/2	1,676.82
3/4		3/4		3/4		3/4	3,236.55	3/4	2,976.46	3/4	2,716.37	3/4	2,455.84	3/4	2,194.35	3/4	1,932.87	3/4	1,671.38

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 27'-06" 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 10240"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	1,665.93	0	1,404.44	0	1,142.78	0	882.00	0	621.10	0	359.47	0	97.92	0		0		0	
1/4	1,660.48	1/4	1,398.99	1/4	1,137.33	1/4	876.58	1/4	615.65	1/4	354.02	1/4	92.50	1/4	1/4	1/4		1/4	
1/2	1,655.03	1/2	1,393.54	1/2	1,131.88	1/2	871.17	1/2	610.20	1/2	348.57	1/2	87.09	1/2	1/2	1/2		1/2	
3/4	1,649.58	3/4	1,388.08	3/4	1,126.43	3/4	865.75	3/4	604.75	3/4	343.12	3/4	81.67	3/4	3/4	3/4		3/4	
1	1,644.14	1	1,382.63	1	1,120.98	1	860.34	1	599.30	1	337.66	1	76.25	1	1	1		1	
1/4	1,638.69	1/4	1,377.18	1/4	1,115.52	1/4	854.92	1/4	593.85	1/4	332.21	1/4	70.87	1/4	1/4	1/4		1/4	
1/2	1,633.24	1/2	1,371.73	1/2	1,110.07	1/2	849.51	1/2	588.40	1/2	326.76	1/2	65.48	1/2	1/2	1/2		1/2	
3/4	1,627.79	3/4	1,366.28	3/4	1,104.62	3/4	844.09	3/4	582.95	3/4	321.31	3/4	60.09	3/4	3/4	3/4		3/4	
2	1,622.35	2	1,360.83	2	1,099.17	2	838.68	2	577.50	2	315.86	2	54.70	2	2	2		2	
1/4	1,616.90	1/4	1,355.38	1/4	1,093.72	1/4	833.26	1/4	572.05	1/4	310.41	1/4	49.36	1/4	1/4	1/4		1/4	
1/2	1,611.45	1/2	1,349.93	1/2	1,088.27	1/2	827.85	1/2	566.60	1/2	304.96	1/2	44.03	1/2	1/2	1/2		1/2	
3/4	1,606.00	3/4	1,344.48	3/4	1,082.82	3/4	822.43	3/4	561.15	3/4	299.51	3/4	38.69	3/4	3/4	3/4		3/4	
3	1,600.56	3	1,339.02	3	1,077.37	3	817.02	3	555.70	3	294.06	3	33.35	3	3	3		3	
1/4	1,595.11	1/4	1,333.57	1/4	1,071.92	1/4	811.61	1/4	550.25	1/4	288.61	1/4	28.82	1/4	1/4	1/4		1/4	
1/2	1,589.66	1/2	1,328.12	1/2	1,066.46	1/2	806.20	1/2	544.79	1/2	283.16	1/2	24.28	1/2	1/2	1/2		1/2	
3/4	1,584.21	3/4	1,322.67	3/4	1,061.01	3/4	800.79	3/4	539.34	3/4	277.71	3/4	19.75	3/4	3/4	3/4		3/4	
4	1,578.76	4	1,317.22	4	1,055.56	4	795.38	4	533.89	4	272.25	4	15.21	4	4	4		4	
1/4	1,573.32	1/4	1,311.77	1/4	1,050.11	1/4	789.93	1/4	528.44	1/4	266.80	1/4	12.49	1/4	1/4	1/4		1/4	
1/2	1,567.87	1/2	1,306.32	1/2	1,044.66	1/2	784.49	1/2	522.99	1/2	261.35	1/2	9.76	1/2	1/2	1/2		1/2	
3/4	1,562.42	3/4	1,300.87	3/4	1,039.21	3/4	779.04	3/4	517.54	3/4	255.90	3/4	7.04	3/4	3/4	3/4		3/4	
5	1,556.97	5	1,295.41	5	1,033.76	5	773.60	5	512.09	5	250.45	5	4.31	5	5	5		5	
1/4	1,551.53	1/4	1,289.96	1/4	1,028.31	1/4	768.15	1/4	506.64	1/4	245.00	1/4	3.40	1/4	1/4	1/4		1/4	
1/2	1,546.08	1/2	1,284.51	1/2	1,022.85	1/2	762.71	1/2	501.19	1/2	239.55	1/2	2.49	1/2	1/2	1/2		1/2	
3/4	1,540.63	3/4	1,279.06	3/4	1,017.40	3/4	757.26	3/4	495.74	3/4	234.10	3/4	1.59	3/4	3/4	3/4		3/4	
6	1,535.18	6	1,273.61	6	1,011.95	6	751.81	6	490.29	6	228.65	6	0.68	6	6	6		6	
1/4	1,529.74	1/4	1,268.16	1/4	1,006.50	1/4	746.37	1/4	484.84	1/4	223.20	1/4		1/4	1/4	1/4		1/4	
1/2	1,524.29	1/2	1,262.71	1/2	1,001.12	1/2	740.92	1/2	479.39	1/2	217.75	1/2		1/2	1/2	1/2		1/2	
3/4	1,518.84	3/4	1,257.26	3/4	995.71	3/4	735.48	3/4	473.93	3/4	212.30	3/4		3/4	3/4	3/4		3/4	
7	1,513.39	7	1,251.80	7	990.29	7	730.03	7	468.48	7	206.85	7		7	7	7		7	
1/4	1,507.94	1/4	1,246.35	1/4	984.88	1/4	724.59	1/4	463.03	1/4	201.39	1/4		1/4	1/4	1/4		1/4	
1/2	1,502.50	1/2	1,240.90	1/2	979.46	1/2	719.14	1/2	457.58	1/2	195.94	1/2		1/2	1/2	1/2		1/2	
3/4	1,497.05	3/4	1,235.45	3/4	974.05	3/4	713.69	3/4	452.13	3/4	190.49	3/4		3/4	3/4	3/4		3/4	
8	1,491.60	8	1,230.00	8	968.63	8	708.25	8	446.68	8	185.04	8		8	8	8		8	
1/4	1,486.15	1/4	1,224.55	1/4	963.22	1/4	702.80	1/4	441.23	1/4	179.59	1/4		1/4	1/4	1/4		1/4	
1/2	1,480.71	1/2	1,219.10	1/2	957.80	1/2	697.36	1/2	435.78	1/2	174.14	1/2		1/2	1/2	1/2		1/2	
3/4	1,475.26	3/4	1,213.65	3/4	952.39	3/4	691.91	3/4	430.33	3/4	168.69	3/4		3/4	3/4	3/4		3/4	
9	1,469.81	9	1,208.20	9	946.97	9	686.46	9	424.88	9	163.24	9		9	9	9		9	
1/4	1,464.36	1/4	1,202.74	1/4	941.56	1/4	681.02	1/4	419.43	1/4	157.79	1/4		1/4	1/4	1/4		1/4	
1/2	1,458.92	1/2	1,197.29	1/2	936.14	1/2	675.57	1/2	413.98	1/2	152.34	1/2		1/2	1/2	1/2		1/2	
3/4	1,453.47	3/4	1,191.84	3/4	930.73	3/4	670.13	3/4	408.52	3/4	146.89	3/4		3/4	3/4	3/4		3/4	
10	1,448.02	10	1,186.39	10	925.32	10	664.68	10	403.07	10	141.44	10		10	10	10		10	
1/4	1,442.57	1/4	1,180.94	1/4	919.90	1/4	659.24	1/4	397.62	1/4	135.99	1/4		1/4	1/4	1/4		1/4	
1/2	1,437.12	1/2	1,175.49	1/2	914.49	1/2	653.79	1/2	392.17	1/2	130.55	1/2		1/2	1/2	1/2		1/2	
3/4	1,431.68	3/4	1,170.04	3/4	909.07	3/4	648.35	3/4	386.72	3/4	125.10	3/4		3/4	3/4	3/4		3/4	
11	1,426.23	11	1,164.59	11	903.66	11	642.90	11	381.27	11	119.66	11		11	11	11		11	
1/4	1,420.78	1/4	1,159.13	1/4	898.24	1/4	637.45	1/4	375.82	1/4	114.22	1/4		1/4	1/4	1/4		1/4	
1/2	1,415.33	1/2	1,153.68	1/2	892.83	1/2	632.00	1/2	370.37	1/2	108.79	1/2		1/2	1/2	1/2		1/2	
3/4	1,409.89	3/4	1,148.23	3/4	887.41	3/4	626.55	3/4	364.92	3/4	103.35	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/15/2012 CL - SW
CALCULATED: 08/15/2012 CL
PRINTED: 08/15/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2012

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