



BARGE "KIRBY 10234"

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	00-5/8	- 00-5/8	00-7/8	- 00-7/8
2 CENTER	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	00-1/2	- 00-1/2
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"

June 7, 2012

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

<http://www.pmacorp.net>



BARGE "KIRBY 10234"

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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	3,759.55	0	3,530.42	0	3,277.71	0	3,024.99	0	2,763.07	0	2,467.63	0	2,171.55		
1/4		1/4		1/4		1/4	3,758.52	1/4	3,525.16	1/4	3,272.44	1/4	3,019.73	1/4	2,756.92	1/4	2,461.46	1/4	2,165.38		
1/2		1/2		1/2		1/2	3,757.49	1/2	3,519.89	1/2	3,267.18	1/2	3,014.46	1/2	2,750.77	1/2	2,455.29	1/2	2,159.22		
3/4		3/4		3/4		3/4	3,754.39	3/4	3,514.63	3/4	3,261.91	3/4	3,009.20	3/4	2,744.62	3/4	2,449.12	3/4	2,153.05		
1		1		1		1	3,751.30	1	3,509.36	1	3,256.65	1	3,003.93	1	2,738.47	1	2,442.95	1	2,146.88		
1/4		1/4		1/4		1/4	3,748.20	1/4	3,504.10	1/4	3,251.38	1/4	2,998.67	1/4	2,732.32	1/4	2,436.79	1/4	2,140.71		
1/2		1/2		1/2		1/2	3,745.10	1/2	3,498.83	1/2	3,246.12	1/2	2,993.40	1/2	2,726.17	1/2	2,430.62	1/2	2,134.54		
3/4		3/4		3/4		3/4	3,740.96	3/4	3,493.57	3/4	3,240.85	3/4	2,988.14	3/4	2,720.02	3/4	2,424.45	3/4	2,128.38		
2		2		2		2	3,736.81	2	3,488.30	2	3,235.59	2	2,982.87	2	2,713.87	2	2,418.28	2	2,122.21		
1/4		1/4		1/4		1/4	3,732.66	1/4	3,483.04	1/4	3,230.32	1/4	2,977.61	1/4	2,707.72	1/4	2,412.11	1/4	2,116.04		
1/2		1/2		1/2		1/2	3,728.52	1/2	3,477.77	1/2	3,225.06	1/2	2,972.34	1/2	2,701.57	1/2	2,405.94	1/2	2,109.87		
3/4		3/4		3/4		3/4	3,723.39	3/4	3,472.51	3/4	3,219.79	3/4	2,967.08	3/4	2,695.42	3/4	2,399.78	3/4	2,103.70		
3		3		3		3	3,718.26	3	3,467.24	3	3,214.53	3	2,961.81	3	2,689.27	3	2,393.61	3	2,097.53		
1/4		1/4		1/4		1/4	3,713.12	1/4	3,461.98	1/4	3,209.26	1/4	2,956.55	1/4	2,683.12	1/4	2,387.44	1/4	2,091.37		
1/2		1/2		1/2		1/2	3,707.99	1/2	3,456.71	1/2	3,204.00	1/2	2,951.28	1/2	2,676.97	1/2	2,381.27	1/2	2,085.20		
3/4		3/4		3/4		3/4	3,702.83	3/4	3,451.45	3/4	3,198.73	3/4	2,946.02	3/4	2,670.82	3/4	2,375.10	3/4	2,079.03		
4		4		4		4	3,697.66	4	3,446.18	4	3,193.47	4	2,940.75	4	2,664.67	4	2,368.94	4	2,072.86		
1/4		1/4		1/4		1/4	3,692.50	1/4	3,440.92	1/4	3,188.20	1/4	2,935.49	1/4	2,658.52	1/4	2,362.77	1/4	2,066.69		
1/2		1/2		1/2		1/2	3,687.33	1/2	3,435.65	1/2	3,182.94	1/2	2,930.22	1/2	2,652.37	1/2	2,356.60	1/2	2,060.53		
3/4		3/4		3/4		3/4	3,682.15	3/4	3,430.39	3/4	3,177.67	3/4	2,924.96	3/4	2,646.23	3/4	2,350.43	3/4	2,054.36		
5		5		5		5	3,676.97	5	3,425.12	5	3,172.41	5	2,919.69	5	2,640.08	5	2,344.26	5	2,048.19		
1/4		1/4		1/4		1/4	3,671.79	1/4	3,419.86	1/4	3,167.14	1/4	2,914.43	1/4	2,633.93	1/4	2,338.09	1/4	2,042.02		
1/2		1/2		1/2		1/2	3,666.61	1/2	3,414.60	1/2	3,161.88	1/2	2,909.16	1/2	2,627.78	1/2	2,331.93	1/2	2,035.85		
3/4		3/4		3/4		3/4	3,661.43	3/4	3,409.33	3/4	3,156.61	3/4	2,903.90	3/4	2,621.63	3/4	2,325.76	3/4	2,029.68		
6		6		6		6	3,656.25	6	3,404.07	6	3,151.35	6	2,898.63	6	2,615.48	6	2,319.59	6	2,023.52		
1/4		1/4		1/4		1/4	3,651.08	1/4	3,398.80	1/4	3,146.09	1/4	2,893.37	1/4	2,609.33	1/4	2,313.42	1/4	2,017.35		
1/2		1/2		1/2		1/2	3,645.90	1/2	3,393.54	1/2	3,140.82	1/2	2,888.11	1/2	2,603.18	1/2	2,307.25	1/2	2,011.18		
3/4		3/4		3/4		3/4	3,640.72	3/4	3,388.27	3/4	3,135.56	3/4	2,882.84	3/4	2,597.03	3/4	2,301.08	3/4	2,005.01		
7		7		7		7	3,635.55	7	3,383.01	7	3,130.29	7	2,877.58	7	2,590.88	7	2,294.92	7	1,998.84		
1/4		1/4		1/4		1/4	3,630.37	1/4	3,377.74	1/4	3,125.03	1/4	2,872.31	1/4	2,584.73	1/4	2,288.75	1/4	1,992.67		
1/2		1/2		1/2		1/2	3,625.19	1/2	3,372.48	1/2	3,119.76	1/2	2,867.05	1/2	2,578.58	1/2	2,282.58	1/2	1,986.51		
3/4		3/4		3/4		3/4	3,619.93	3/4	3,367.21	3/4	3,114.50	3/4	2,861.76	3/4	2,572.43	3/4	2,276.41	3/4	1,980.34		
8		8		8		8	3,614.66	8	3,361.95	8	3,109.23	8	2,856.47	8	2,566.28	8	2,270.24	8	1,974.17		
1/4		1/4		1/4		1/4	3,609.40	1/4	3,356.68	1/4	3,103.97	1/4	2,851.18	1/4	2,560.13	1/4	2,264.08	1/4	1,968.00		
1/2		1/2		1/2		1/2	3,604.13	1/2	3,351.42	1/2	3,098.70	1/2	2,845.89	1/2	2,553.98	1/2	2,257.91	1/2	1,961.83		
3/4		3/4		3/4		3/4	3,598.87	3/4	3,346.15	3/4	3,093.44	3/4	2,840.60	3/4	2,547.81	3/4	2,251.74	3/4	1,955.67		
9		9		9		9	3,593.60	9	3,340.89	9	3,088.17	9	2,835.31	9	2,541.64	9	2,245.57	9	1,949.50		
1/4		1/4		1/4		1/4	3,588.34	1/4	3,335.62	1/4	3,082.91	1/4	2,830.02	1/4	2,535.48	1/4	2,239.40	1/4	1,943.33		
1/2		1/2		1/2		1/2	3,583.07	1/2	3,330.36	1/2	3,077.64	1/2	2,824.73	1/2	2,529.31	1/2	2,233.23	1/2	1,937.16		
3/4		3/4		3/4		3/4	3,577.81	3/4	3,325.09	3/4	3,072.38	3/4	2,818.54	3/4	2,523.14	3/4	2,227.07	3/4	1,930.99		
10		10		10		10	3,572.54	10	3,319.83	10	3,067.11	10	2,812.35	10	2,516.97	10	2,220.90	10	1,924.82		
1/4		1/4		1/4		1/4	3,567.28	1/4	3,314.56	1/4	3,061.85	1/4	2,806.16	1/4	2,510.80	1/4	2,214.73	1/4	1,918.66		
1/2		1/2		1/2		1/2	3,562.01	1/2	3,309.30	1/2	3,056.58	1/2	2,799.97	1/2	2,504.64	1/2	2,208.56	1/2	1,912.49		
3/4		3/4		3/4		3/4	3,556.75	3/4	3,304.03	3/4	3,051.32	3/4	2,793.82	3/4	2,498.47	3/4	2,202.39	3/4	1,906.32		
11		11		11		11	3,551.48	11	3,298.77	11	3,046.05	11	2,787.67	11	2,492.30	11	2,196.23	11	1,900.15		
1/4		1/4		1/4		1/4	3,546.22	1/4	3,293.50	1/4	3,040.79	1/4	2,781.52	1/4	2,486.13	1/4	2,190.06	1/4	1,893.98		
1/2		1/2		1/2		1/2	3,761.62	1/2	3,540.95	1/2	3,288.24	1/2	3,035.52	1/2	2,775.37	1/2	2,479.96	1/2	2,183.89	1/2	1,887.82
3/4		3/4		3/4		3/4	3,760.59	3/4	3,535.69	3/4	3,282.97	3/4	3,030.26	3/4	2,769.22	3/4	2,473.79	3/4	2,177.72	3/4	1,881.65

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 10234"

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	1,875.48	0	1,579.16	0	1,282.67	0	986.18	0	695.75	0	399.10	0	102.48	0		0		0	
1/4	1,869.31	1/4	1,572.98	1/4	1,276.49	1/4	980.01	1/4	689.59	1/4	392.92	1/4	96.32	1/4		1/4		1/4	
1/2	1,863.14	1/2	1,566.80	1/2	1,270.32	1/2	973.83	1/2	683.43	1/2	386.74	1/2	90.17	1/2		1/2		1/2	
3/4	1,856.97	3/4	1,560.63	3/4	1,264.14	3/4	967.72	3/4	677.25	3/4	380.56	3/4	84.05	3/4		3/4		3/4	
1	1,850.81	1	1,554.45	1	1,257.96	1	961.60	1	671.07	1	374.38	1	77.93	1		1		1	
1/4	1,844.64	1/4	1,548.27	1/4	1,251.79	1/4	955.49	1/4	664.89	1/4	368.20	1/4	71.80	1/4		1/4		1/4	
1/2	1,838.47	1/2	1,542.10	1/2	1,245.61	1/2	949.37	1/2	658.71	1/2	362.02	1/2	65.68	1/2		1/2		1/2	
3/4	1,832.30	3/4	1,535.92	3/4	1,239.43	3/4	943.32	3/4	652.53	3/4	355.84	3/4	59.62	3/4		3/4		3/4	
2	1,826.13	2	1,529.74	2	1,233.26	2	937.27	2	646.35	2	349.65	2	53.55	2		2		2	
1/4	1,819.97	1/4	1,523.57	1/4	1,227.08	1/4	931.22	1/4	640.17	1/4	343.47	1/4	47.49	1/4		1/4		1/4	
1/2	1,813.80	1/2	1,517.39	1/2	1,220.90	1/2	925.17	1/2	633.99	1/2	337.29	1/2	41.42	1/2		1/2		1/2	
3/4	1,807.62	3/4	1,511.21	3/4	1,214.73	3/4	919.12	3/4	627.80	3/4	331.11	3/4	36.27	3/4		3/4		3/4	
3	1,801.44	3	1,505.04	3	1,208.55	3	913.07	3	621.62	3	324.93	3	31.12	3		3		3	
1/4	1,795.27	1/4	1,498.86	1/4	1,202.37	1/4	907.02	1/4	615.44	1/4	318.75	1/4	25.97	1/4		1/4		1/4	
1/2	1,789.09	1/2	1,492.68	1/2	1,196.20	1/2	900.97	1/2	609.26	1/2	312.57	1/2	20.82	1/2		1/2		1/2	
3/4	1,782.91	3/4	1,486.50	3/4	1,190.02	3/4	894.94	3/4	603.08	3/4	306.39	3/4	17.72	3/4		3/4		3/4	
4	1,776.74	4	1,480.33	4	1,183.84	4	888.90	4	596.90	4	300.21	4	14.63	4		4		4	
1/4	1,770.56	1/4	1,474.15	1/4	1,177.66	1/4	882.87	1/4	590.72	1/4	294.02	1/4	11.53	1/4		1/4		1/4	
1/2	1,764.38	1/2	1,467.97	1/2	1,171.49	1/2	876.83	1/2	584.54	1/2	287.84	1/2	8.43	1/2		1/2		1/2	
3/4	1,758.21	3/4	1,461.80	3/4	1,165.31	3/4	870.81	3/4	578.36	3/4	281.66	3/4	7.40	3/4		3/4		3/4	
5	1,752.03	5	1,455.62	5	1,159.13	5	864.80	5	572.17	5	275.48	5	6.37	5		5		5	
1/4	1,745.85	1/4	1,449.44	1/4	1,152.96	1/4	858.78	1/4	565.99	1/4	269.30	1/4	5.34	1/4		1/4		1/4	
1/2	1,739.68	1/2	1,443.27	1/2	1,146.78	1/2	852.76	1/2	559.81	1/2	263.12	1/2	4.31	1/2		1/2		1/2	
3/4	1,733.50	3/4	1,437.09	3/4	1,140.60	3/4	846.74	3/4	553.63	3/4	256.94	3/4		3/4		3/4		3/4	
6	1,727.33	6	1,430.91	6	1,134.43	6	840.72	6	547.45	6	250.76	6		6		6		6	
1/4	1,721.15	1/4	1,424.74	1/4	1,128.25	1/4	834.71	1/4	541.27	1/4	244.58	1/4		1/4		1/4		1/4	
1/2	1,714.98	1/2	1,418.56	1/2	1,122.07	1/2	828.69	1/2	535.09	1/2	238.39	1/2		1/2		1/2		1/2	
3/4	1,708.80	3/4	1,412.38	3/4	1,115.90	3/4	822.67	3/4	528.91	3/4	232.21	3/4		3/4		3/4		3/4	
7	1,702.63	7	1,406.21	7	1,109.72	7	816.65	7	522.73	7	226.03	7		7		7		7	
1/4	1,696.46	1/4	1,400.03	1/4	1,103.54	1/4	810.64	1/4	516.54	1/4	219.85	1/4		1/4		1/4		1/4	
1/2	1,690.28	1/2	1,393.85	1/2	1,097.37	1/2	804.62	1/2	510.36	1/2	213.67	1/2		1/2		1/2		1/2	
3/4	1,684.11	3/4	1,387.68	3/4	1,091.19	3/4	798.60	3/4	504.18	3/4	207.49	3/4		3/4		3/4		3/4	
8	1,677.94	8	1,381.50	8	1,085.01	8	792.58	8	498.00	8	201.31	8		8		8		8	
1/4	1,671.76	1/4	1,375.32	1/4	1,078.84	1/4	786.56	1/4	491.82	1/4	195.13	1/4		1/4		1/4		1/4	
1/2	1,665.59	1/2	1,369.15	1/2	1,072.66	1/2	780.55	1/2	485.64	1/2	188.95	1/2		1/2		1/2		1/2	
3/4	1,659.42	3/4	1,362.97	3/4	1,066.48	3/4	774.53	3/4	479.46	3/4	182.77	3/4		3/4		3/4		3/4	
9	1,653.24	9	1,356.79	9	1,060.31	9	768.51	9	473.28	9	176.59	9		9		9		9	
1/4	1,647.07	1/4	1,350.62	1/4	1,054.13	1/4	762.49	1/4	467.10	1/4	170.40	1/4		1/4		1/4		1/4	
1/2	1,640.90	1/2	1,344.44	1/2	1,047.95	1/2	756.47	1/2	460.91	1/2	164.22	1/2		1/2		1/2		1/2	
3/4	1,634.72	3/4	1,338.26	3/4	1,041.78	3/4	750.46	3/4	454.73	3/4	158.04	3/4		3/4		3/4		3/4	
10	1,628.55	10	1,332.08	10	1,035.60	10	744.44	10	448.55	10	151.85	10		10		10		10	
1/4	1,622.38	1/4	1,325.91	1/4	1,029.42	1/4	738.42	1/4	442.37	1/4	145.67	1/4		1/4		1/4		1/4	
1/2	1,616.20	1/2	1,319.73	1/2	1,023.24	1/2	732.40	1/2	436.19	1/2	139.48	1/2		1/2		1/2		1/2	
3/4	1,610.03	3/4	1,313.55	3/4	1,017.07	3/4	726.32	3/4	430.01	3/4	133.30	3/4		3/4		3/4		3/4	
11	1,603.86	11	1,307.38	11	1,010.89	11	720.24	11	423.83	11	127.13	11		11		11		11	
1/4	1,597.68	1/4	1,301.20	1/4	1,004.71	1/4	714.16	1/4	417.65	1/4	120.96	1/4		1/4		1/4		1/4	
1/2	1,591.51	1/2	1,295.02	1/2	998.54	1/2	708.08	1/2	411.47	1/2	114.78	1/2		1/2		1/2		1/2	
3/4	1,585.33	3/4	1,288.85	3/4	992.36	3/4	701.91	3/4	405.28	3/4	108.63	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/06/2012 CL - SW
CALCULATED: 06/07/2012 CL
PRINTED: 06/07/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2012

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



BARGE "KIRBY 10234"

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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	3,468.56	0	3,242.37	0	2,981.02	0	2,719.68	0	2,457.86	0	2,195.12	0	1,932.37
1/4		1/4		1/4		1/4	3,467.64	1/4	3,236.92	1/4	2,975.58	1/4	2,714.23	1/4	2,452.39	1/4	2,189.64	1/4	1,926.90
1/2		1/2		1/2		1/2	3,466.73	1/2	3,231.48	1/2	2,970.13	1/2	2,708.79	1/2	2,446.92	1/2	2,184.17	1/2	1,921.42
3/4		3/4		3/4		3/4	3,465.82	3/4	3,226.03	3/4	2,964.69	3/4	2,703.34	3/4	2,441.44	3/4	2,178.69	3/4	1,915.95
1		1		1		1	3,464.90	1	3,220.59	1	2,959.24	1	2,697.90	1	2,435.97	1	2,173.22	1	1,910.47
1/4		1/4		1/4		1/4	3,462.17	1/4	3,215.14	1/4	2,953.80	1/4	2,692.45	1/4	2,430.49	1/4	2,167.75	1/4	1,905.00
1/2		1/2		1/2		1/2	3,459.43	1/2	3,209.70	1/2	2,948.35	1/2	2,687.01	1/2	2,425.02	1/2	2,162.27	1/2	1,899.53
3/4		3/4		3/4		3/4	3,456.69	3/4	3,204.25	3/4	2,942.91	3/4	2,681.56	3/4	2,419.55	3/4	2,156.80	3/4	1,894.05
2		2		2		2	3,453.95	2	3,177.03	2	2,937.46	2	2,676.12	2	2,414.07	2	2,151.33	2	1,888.58
1/4		1/4		1/4		1/4	3,449.51	1/4	3,193.37	1/4	2,932.02	1/4	2,670.67	1/4	2,408.60	1/4	2,145.85	1/4	1,883.10
1/2		1/2		1/2		1/2	3,445.08	1/2	3,187.92	1/2	2,926.58	1/2	2,665.23	1/2	2,403.12	1/2	2,140.38	1/2	1,877.63
3/4		3/4		3/4		3/4	3,440.64	3/4	3,182.48	3/4	2,921.13	3/4	2,659.78	3/4	2,397.65	3/4	2,134.90	3/4	1,872.16
3		3		3		3	3,436.21	3	3,177.03	3	2,915.69	3	2,654.34	3	2,392.18	3	2,129.43	3	1,866.68
1/4		1/4		1/4		1/4	3,430.90	1/4	3,171.59	1/4	2,910.24	1/4	2,648.90	1/4	2,386.70	1/4	2,123.96	1/4	1,861.21
1/2		1/2		1/2		1/2	3,425.60	1/2	3,166.14	1/2	2,904.80	1/2	2,643.45	1/2	2,381.23	1/2	2,118.48	1/2	1,855.73
3/4		3/4		3/4		3/4	3,420.29	3/4	3,160.70	3/4	2,899.35	3/4	2,638.01	3/4	2,375.76	3/4	2,113.01	3/4	1,850.26
4		4		4		4	3,414.99	4	3,155.25	4	2,893.91	4	2,632.56	4	2,370.28	4	2,107.53	4	1,844.79
1/4		1/4		1/4		1/4	3,409.65	1/4	3,149.81	1/4	2,888.46	1/4	2,627.12	1/4	2,364.81	1/4	2,102.06	1/4	1,839.31
1/2		1/2		1/2		1/2	3,404.31	1/2	3,144.36	1/2	2,883.02	1/2	2,621.67	1/2	2,359.33	1/2	2,096.59	1/2	1,833.84
3/4		3/4		3/4		3/4	3,398.98	3/4	3,138.92	3/4	2,877.57	3/4	2,616.23	3/4	2,353.86	3/4	2,091.11	3/4	1,828.37
5		5		5		5	3,393.64	5	3,133.47	5	2,872.13	5	2,610.78	5	2,348.39	5	2,085.64	5	1,822.89
1/4		1/4		1/4		1/4	3,388.29	1/4	3,128.03	1/4	2,866.68	1/4	2,605.34	1/4	2,342.91	1/4	2,080.16	1/4	1,817.42
1/2		1/2		1/2		1/2	3,382.94	1/2	3,122.58	1/2	2,861.24	1/2	2,599.89	1/2	2,337.44	1/2	2,074.69	1/2	1,811.94
3/4		3/4		3/4		3/4	3,377.59	3/4	3,117.14	3/4	2,855.79	3/4	2,594.45	3/4	2,331.96	3/4	2,069.22	3/4	1,806.47
6		6		6		6	3,372.25	6	3,111.69	6	2,850.35	6	2,589.00	6	2,326.49	6	2,063.74	6	1,801.00
1/4		1/4		1/4		1/4	3,366.90	1/4	3,106.25	1/4	2,844.90	1/4	2,583.56	1/4	2,321.02	1/4	2,058.27	1/4	1,795.52
1/2		1/2		1/2		1/2	3,361.55	1/2	3,100.81	1/2	2,839.46	1/2	2,578.11	1/2	2,315.54	1/2	2,052.80	1/2	1,790.05
3/4		3/4		3/4		3/4	3,356.21	3/4	3,095.36	3/4	2,834.02	3/4	2,572.67	3/4	2,310.07	3/4	2,047.32	3/4	1,784.57
7		7		7		7	3,350.86	7	3,089.92	7	2,828.57	7	2,567.22	7	2,304.59	7	2,041.85	7	1,779.10
1/4		1/4		1/4		1/4	3,345.52	1/4	3,084.47	1/4	2,823.13	1/4	2,561.78	1/4	2,299.12	1/4	2,036.37	1/4	1,773.63
1/2		1/2		1/2		1/2	3,340.17	1/2	3,079.03	1/2	2,817.68	1/2	2,556.34	1/2	2,293.65	1/2	2,030.90	1/2	1,768.15
3/4		3/4		3/4		3/4	3,334.83	3/4	3,073.58	3/4	2,812.24	3/4	2,550.89	3/4	2,288.17	3/4	2,025.43	3/4	1,762.68
8		8		8		8	3,329.48	8	3,068.14	8	2,806.79	8	2,545.45	8	2,282.70	8	2,019.95	8	1,757.20
1/4		1/4		1/4		1/4	3,324.04	1/4	3,062.69	1/4	2,801.35	1/4	2,539.97	1/4	2,277.23	1/4	2,014.48	1/4	1,751.73
1/2		1/2		1/2		1/2	3,318.59	1/2	3,057.25	1/2	2,795.90	1/2	2,534.50	1/2	2,271.75	1/2	2,009.00	1/2	1,746.26
3/4		3/4		3/4		3/4	3,313.15	3/4	3,051.80	3/4	2,790.46	3/4	2,529.02	3/4	2,266.28	3/4	2,003.53	3/4	1,740.78
9		9		9		9	3,307.70	9	3,046.36	9	2,785.01	9	2,523.55	9	2,260.80	9	1,998.06	9	1,735.31
1/4		1/4		1/4		1/4	3,302.26	1/4	3,040.91	1/4	2,779.57	1/4	2,518.08	1/4	2,255.33	1/4	1,992.58	1/4	1,729.84
1/2		1/2		1/2		1/2	3,296.81	1/2	3,035.47	1/2	2,774.12	1/2	2,512.60	1/2	2,249.86	1/2	1,987.11	1/2	1,724.36
3/4		3/4		3/4		3/4	3,291.37	3/4	3,030.02	3/4	2,768.68	3/4	2,507.13	3/4	2,244.38	3/4	1,981.63	3/4	1,718.89
10		10		10		10	3,285.93	10	3,024.58	10	2,763.23	10	2,501.65	10	2,238.91	10	1,976.16	10	1,713.41
1/4		1/4		1/4		1/4	3,280.48	1/4	3,019.14	1/4	2,757.79	1/4	2,496.18	1/4	2,233.43	1/4	1,970.69	1/4	1,707.94
1/2		1/2		1/2		1/2	3,275.04	1/2	3,013.69	1/2	2,752.34	1/2	2,490.71	1/2	2,227.96	1/2	1,965.21	1/2	1,702.47
3/4		3/4		3/4		3/4	3,269.59	3/4	3,008.25	3/4	2,746.90	3/4	2,485.23	3/4	2,222.49	3/4	1,959.74	3/4	1,696.99
11		11		11		11	3,264.15	11	3,002.80	11	2,741.46	11	2,479.76	11	2,217.01	11	1,954.26	11	1,691.52
1/4		1/4		1/4		1/4	3,258.70	1/4	2,997.36	1/4	2,736.01	1/4	2,474.29	1/4	2,211.54	1/4	1,948.79	1/4	1,686.04
1/2		1/2		1/2		1/2	3,253.26	1/2	2,991.91	1/2	2,730.57	1/2	2,468.81	1/2	2,206.06	1/2	1,943.32	1/2	1,680.57
3/4		3/4		3/4		3/4	3,247.81	3/4	2,986.47	3/4	2,725.12	3/4	2,463.34	3/4	2,200.59	3/4	1,937.84	3/4	1,675.10

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 27'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 10234"

2 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	1,669.62	0	1,406.87	0	1,143.96	0	882.91	0	624.08	0	361.18	0	98.38	0		0		0	
1/4	1,664.15	1/4	1,401.40	1/4	1,138.49	1/4	877.52	1/4	618.60	1/4	355.71	1/4	92.94	1/4	1/4	1/4		1/4	
1/2	1,658.67	1/2	1,395.92	1/2	1,133.01	1/2	872.13	1/2	613.12	1/2	350.23	1/2	87.50	1/2	1/2	1/2		1/2	
3/4	1,653.20	3/4	1,390.44	3/4	1,127.53	3/4	866.74	3/4	607.65	3/4	344.75	3/4	82.06	3/4	3/4	3/4		3/4	
1	1,647.73	1	1,384.97	1	1,122.06	1	861.34	1	602.17	1	339.28	1	76.62	1	1	1		1	
1/4	1,642.25	1/4	1,379.49	1/4	1,116.58	1/4	855.95	1/4	596.69	1/4	333.80	1/4	71.20	1/4	1/4	1/4		1/4	
1/2	1,636.78	1/2	1,374.01	1/2	1,111.10	1/2	850.56	1/2	591.21	1/2	328.32	1/2	65.79	1/2	1/2	1/2		1/2	
3/4	1,631.30	3/4	1,368.53	3/4	1,105.62	3/4	845.17	3/4	585.74	3/4	322.85	3/4	60.37	3/4	3/4	3/4		3/4	
2	1,625.83	2	1,363.06	2	1,100.15	2	839.77	2	580.26	2	317.37	2	54.96	2	2	2		2	
1/4	1,620.36	1/4	1,357.58	1/4	1,094.67	1/4	834.38	1/4	574.78	1/4	311.89	1/4	49.60	1/4	1/4	1/4		1/4	
1/2	1,614.88	1/2	1,352.10	1/2	1,089.19	1/2	828.99	1/2	569.31	1/2	306.42	1/2	44.23	1/2	1/2	1/2		1/2	
3/4	1,609.41	3/4	1,346.62	3/4	1,083.71	3/4	823.59	3/4	563.83	3/4	300.94	3/4	38.87	3/4	3/4	3/4		3/4	
3	1,603.94	3	1,341.15	3	1,078.24	3	818.20	3	558.35	3	295.46	3	33.50	3	3	3		3	
1/4	1,598.46	1/4	1,335.67	1/4	1,072.76	1/4	812.81	1/4	552.88	1/4	289.98	1/4	28.95	1/4	1/4	1/4		1/4	
1/2	1,592.99	1/2	1,330.19	1/2	1,067.28	1/2	807.43	1/2	547.40	1/2	284.51	1/2	24.39	1/2	1/2	1/2		1/2	
3/4	1,587.51	3/4	1,324.72	3/4	1,061.81	3/4	802.04	3/4	541.92	3/4	279.03	3/4	19.84	3/4	3/4	3/4		3/4	
4	1,582.04	4	1,319.24	4	1,056.33	4	796.65	4	536.45	4	273.55	4	15.28	4	4	4		4	
1/4	1,576.57	1/4	1,313.76	1/4	1,050.85	1/4	791.27	1/4	530.97	1/4	268.08	1/4	12.54	1/4	1/4	1/4		1/4	
1/2	1,571.09	1/2	1,308.28	1/2	1,045.37	1/2	785.88	1/2	525.49	1/2	262.60	1/2	9.80	1/2	1/2	1/2		1/2	
3/4	1,565.62	3/4	1,302.81	3/4	1,039.90	3/4	780.49	3/4	520.01	3/4	257.12	3/4	7.07	3/4	3/4	3/4		3/4	
5	1,560.14	5	1,297.33	5	1,034.42	5	775.10	5	514.54	5	251.65	5	4.33	5	5	5		5	
1/4	1,554.67	1/4	1,291.85	1/4	1,028.94	1/4	769.72	1/4	509.06	1/4	246.17	1/4	3.42	1/4	1/4	1/4		1/4	
1/2	1,549.20	1/2	1,286.37	1/2	1,023.46	1/2	764.33	1/2	503.58	1/2	240.69	1/2	2.50	1/2	1/2	1/2		1/2	
3/4	1,543.72	3/4	1,280.90	3/4	1,017.99	3/4	758.94	3/4	498.11	3/4	235.22	3/4	1.59	3/4	3/4	3/4		3/4	
6	1,538.25	6	1,275.42	6	1,012.51	6	753.55	6	492.63	6	229.74	6	0.68	6	6	6		6	
1/4	1,532.77	1/4	1,269.94	1/4	1,007.07	1/4	748.17	1/4	487.15	1/4	224.26	1/4		1/4	1/4	1/4		1/4	
1/2	1,527.30	1/2	1,264.47	1/2	1,001.64	1/2	742.78	1/2	481.68	1/2	218.79	1/2		1/2	1/2	1/2		1/2	
3/4	1,521.83	3/4	1,258.99	3/4	996.20	3/4	737.39	3/4	476.20	3/4	213.31	3/4		3/4	3/4	3/4		3/4	
7	1,516.35	7	1,253.51	7	990.77	7	732.00	7	470.72	7	207.83	7		7	7	7		7	
1/4	1,510.88	1/4	1,248.03	1/4	985.38	1/4	726.62	1/4	465.25	1/4	202.35	1/4		1/4	1/4	1/4		1/4	
1/2	1,505.41	1/2	1,242.56	1/2	979.98	1/2	721.23	1/2	459.77	1/2	196.88	1/2		1/2	1/2	1/2		1/2	
3/4	1,499.93	3/4	1,237.08	3/4	974.59	3/4	715.84	3/4	454.29	3/4	191.40	3/4		3/4	3/4	3/4		3/4	
8	1,494.46	8	1,231.60	8	969.20	8	710.46	8	448.81	8	185.92	8		8	8	8		8	
1/4	1,488.98	1/4	1,226.12	1/4	963.80	1/4	705.07	1/4	443.34	1/4	180.45	1/4		1/4	1/4	1/4		1/4	
1/2	1,483.51	1/2	1,220.65	1/2	958.41	1/2	699.68	1/2	437.86	1/2	174.97	1/2		1/2	1/2	1/2		1/2	
3/4	1,478.04	3/4	1,215.17	3/4	953.02	3/4	694.29	3/4	432.38	3/4	169.49	3/4		3/4	3/4	3/4		3/4	
9	1,472.56	9	1,209.69	9	947.63	9	688.91	9	426.91	9	164.02	9		9	9	9		9	
1/4	1,467.09	1/4	1,204.21	1/4	942.23	1/4	683.52	1/4	421.43	1/4	158.54	1/4		1/4	1/4	1/4		1/4	
1/2	1,461.61	1/2	1,198.74	1/2	936.84	1/2	678.13	1/2	415.95	1/2	153.06	1/2		1/2	1/2	1/2		1/2	
3/4	1,456.14	3/4	1,193.26	3/4	931.45	3/4	672.74	3/4	410.48	3/4	147.59	3/4		3/4	3/4	3/4		3/4	
10	1,450.67	10	1,187.78	10	926.06	10	667.36	10	405.00	10	142.11	10		10	10	10		10	
1/4	1,445.19	1/4	1,182.31	1/4	920.66	1/4	661.97	1/4	399.52	1/4	136.64	1/4		1/4	1/4	1/4		1/4	
1/2	1,439.72	1/2	1,176.83	1/2	915.27	1/2	656.58	1/2	394.05	1/2	131.17	1/2		1/2	1/2	1/2		1/2	
3/4	1,434.24	3/4	1,171.35	3/4	909.88	3/4	651.20	3/4	388.57	3/4	125.70	3/4		3/4	3/4	3/4		3/4	
11	1,428.77	11	1,165.87	11	904.48	11	645.81	11	383.09	11	120.23	11		11	11	11		11	
1/4	1,423.30	1/4	1,160.40	1/4	899.09	1/4	640.38	1/4	377.62	1/4	114.77	1/4		1/4	1/4	1/4		1/4	
1/2	1,417.82	1/2	1,154.92	1/2	893.70	1/2	634.94	1/2	372.14	1/2	109.30	1/2		1/2	1/2	1/2		1/2	
3/4	1,412.35	3/4	1,149.44	3/4	888.31	3/4	629.51	3/4	366.66	3/4	103.84	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/06/2012 CL - SW
CALCULATED: 06/07/2012 CL
PRINTED: 06/07/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2012

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





BARGE "KIRBY 10234"

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	3,452.30	0	3,227.45	0	2,967.66	0	2,707.87	0	2,447.61	0	2,186.42	0	1,925.23
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,451.39	1/4	3,222.04	1/4	2,962.25	1/4	2,702.46	1/4	2,442.17	1/4	2,180.98	1/4	1,919.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,450.48	1/2	3,216.62	1/2	2,956.83	1/2	2,697.04	1/2	2,436.73	1/2	2,175.54	1/2	1,914.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,449.58	3/4	3,211.21	3/4	2,951.42	3/4	2,691.63	3/4	2,431.29	3/4	2,170.09	3/4	1,908.90
1		1		1		1	3,448.67	1	3,205.80	1	2,946.01	1	2,686.22	1	2,425.84	1	2,164.65	1	1,903.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,445.95	1/4	3,200.39	1/4	2,940.60	1/4	2,680.81	1/4	2,420.40	1/4	2,159.21	1/4	1,898.02
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,443.22	1/2	3,194.98	1/2	2,935.19	1/2	2,675.39	1/2	2,414.96	1/2	2,153.77	1/2	1,892.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,440.50	3/4	3,189.56	3/4	2,929.77	3/4	2,669.98	3/4	2,409.52	3/4	2,148.33	3/4	1,887.14
2		2		2		2	3,437.78	2	3,182.15	2	2,924.36	2	2,664.57	2	2,404.08	2	2,142.89	2	1,881.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,433.37	1/4	3,178.74	1/4	2,918.95	1/4	2,659.16	1/4	2,398.64	1/4	2,137.45	1/4	1,876.25
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,428.96	1/2	3,173.33	1/2	2,913.54	1/2	2,653.75	1/2	2,393.20	1/2	2,132.00	1/2	1,870.81
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,424.56	3/4	3,167.91	3/4	2,908.12	3/4	2,648.33	3/4	2,387.75	3/4	2,126.56	3/4	1,865.37
3		3		3		3	3,420.15	3	3,162.50	3	2,902.71	3	2,642.92	3	2,382.31	3	2,121.12	3	1,859.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,414.87	1/4	3,157.09	1/4	2,897.30	1/4	2,637.51	1/4	2,376.87	1/4	2,115.68	1/4	1,854.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,409.60	1/2	3,151.68	1/2	2,891.89	1/2	2,632.10	1/2	2,371.43	1/2	2,110.24	1/2	1,849.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,404.33	3/4	3,146.26	3/4	2,886.47	3/4	2,626.68	3/4	2,365.99	3/4	2,104.80	3/4	1,843.60
4		4		4		4	3,399.05	4	3,140.85	4	2,881.06	4	2,621.27	4	2,360.55	4	2,099.35	4	1,838.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,393.75	1/4	3,135.44	1/4	2,875.65	1/4	2,615.86	1/4	2,355.11	1/4	2,093.91	1/4	1,832.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,388.44	1/2	3,130.03	1/2	2,870.24	1/2	2,610.45	1/2	2,349.66	1/2	2,088.47	1/2	1,827.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,383.14	3/4	3,124.62	3/4	2,864.83	3/4	2,605.03	3/4	2,344.22	3/4	2,083.03	3/4	1,821.84
5		5		5		5	3,377.84	5	3,119.20	5	2,859.41	5	2,599.62	5	2,338.78	5	2,077.59	5	1,816.40
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,372.52	1/4	3,113.79	1/4	2,854.00	1/4	2,594.21	1/4	2,333.34	1/4	2,072.15	1/4	1,810.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,367.20	1/2	3,108.38	1/2	2,848.59	1/2	2,588.80	1/2	2,327.90	1/2	2,066.71	1/2	1,805.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,361.88	3/4	3,102.97	3/4	2,843.18	3/4	2,583.39	3/4	2,322.46	3/4	2,061.26	3/4	1,800.07
6		6		6		6	3,356.56	6	3,097.55	6	2,837.76	6	2,577.97	6	2,317.01	6	2,055.82	6	1,794.63
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,351.24	1/4	3,092.14	1/4	2,832.35	1/4	2,572.56	1/4	2,311.57	1/4	2,050.38	1/4	1,789.19
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,345.93	1/2	3,086.73	1/2	2,826.94	1/2	2,567.15	1/2	2,306.13	1/2	2,044.94	1/2	1,783.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,340.62	3/4	3,081.32	3/4	2,821.53	3/4	2,561.74	3/4	2,300.69	3/4	2,039.50	3/4	1,778.31
7		7		7		7	3,335.30	7	3,075.90	7	2,816.11	7	2,556.32	7	2,295.25	7	2,034.06	7	1,772.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,329.99	1/4	3,070.49	1/4	2,810.70	1/4	2,550.91	1/4	2,289.81	1/4	2,028.62	1/4	1,767.42
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,324.67	1/2	3,065.08	1/2	2,805.29	1/2	2,545.50	1/2	2,284.37	1/2	2,023.17	1/2	1,761.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,319.36	3/4	3,059.67	3/4	2,799.88	3/4	2,540.09	3/4	2,278.92	3/4	2,017.73	3/4	1,756.54
8		8		8		8	3,314.05	8	3,054.26	8	2,794.47	8	2,534.67	8	2,273.48	8	2,012.29	8	1,751.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,308.63	1/4	3,048.84	1/4	2,789.05	1/4	2,529.23	1/4	2,268.04	1/4	2,006.85	1/4	1,745.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,303.22	1/2	3,043.43	1/2	2,783.64	1/2	2,523.79	1/2	2,262.60	1/2	2,001.41	1/2	1,740.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,297.81	3/4	3,038.02	3/4	2,778.23	3/4	2,518.35	3/4	2,257.16	3/4	1,995.97	3/4	1,734.77
9		9		9		9	3,292.40	9	3,032.61	9	2,772.82	9	2,512.91	9	2,251.72	9	1,990.52	9	1,729.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,286.98	1/4	3,027.19	1/4	2,767.40	1/4	2,507.47	1/4	2,246.28	1/4	1,985.08	1/4	1,723.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,281.57	1/2	3,021.78	1/2	2,761.99	1/2	2,502.03	1/2	2,240.83	1/2	1,979.64	1/2	1,718.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,276.16	3/4	3,016.37	3/4	2,756.58	3/4	2,496.58	3/4	2,235.39	3/4	1,974.20	3/4	1,713.01
10		10		10		10	3,270.75	10	3,010.96	10	2,751.17	10	2,491.14	10	2,229.95	10	1,968.76	10	1,707.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,265.34	1/4	3,005.54	1/4	2,745.75	1/4	2,485.70	1/4	2,224.51	1/4	1,963.32	1/4	1,702.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,259.92	1/2	3,000.13	1/2	2,740.34	1/2	2,480.26	1/2	2,219.07	1/2	1,957.88	1/2	1,696.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,254.51	3/4	2,994.72	3/4	2,734.93	3/4	2,474.82	3/4	2,213.63	3/4	1,952.43	3/4	1,691.24
11		11		11		11	3,249.10	11	2,989.31	11	2,729.52	11	2,469.38	11	2,208.18	11	1,946.99	11	1,685.80
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,243.69	1/4	2,983.90	1/4	2,724.11	1/4	2,463.94	1/4	2,202.74	1/4	1,941.55	1/4	1,680.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,238.27	1/2	2,978.48	1/2	2,718.69	1/2	2,458.49	1/2	2,197.30	1/2	1,936.11	1/2	1,674.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,232.86	3/4	2,973.07	3/4	2,713.28	3/4	2,453.05	3/4	2,191.86	3/4	1,930.67	3/4	1,669.48

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 10234"

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	1,664.03	0	1,402.84	0	1,141.48	0	880.99	0	620.40	0	359.06	0	97.81	0		0		0	
1/4	1,658.59	1/4	1,397.40	1/4	1,136.04	1/4	875.59	1/4	614.95	1/4	353.61	1/4	92.40	1/4	1/4	1/4		1/4	
1/2	1,653.15	1/2	1,391.95	1/2	1,130.59	1/2	870.18	1/2	609.51	1/2	348.17	1/2	86.99	1/2	1/2	1/2		1/2	
3/4	1,647.71	3/4	1,386.51	3/4	1,125.15	3/4	864.77	3/4	604.06	3/4	342.72	3/4	81.58	3/4	3/4	3/4		3/4	
1	1,642.27	1	1,381.06	1	1,119.70	1	859.36	1	598.62	1	337.28	1	76.17	1	1	1		1	
1/4	1,636.83	1/4	1,375.62	1/4	1,114.26	1/4	853.95	1/4	593.18	1/4	331.84	1/4	70.79	1/4	1/4	1/4		1/4	
1/2	1,631.39	1/2	1,370.17	1/2	1,108.81	1/2	848.54	1/2	587.73	1/2	326.39	1/2	65.40	1/2	1/2	1/2		1/2	
3/4	1,625.94	3/4	1,364.73	3/4	1,103.37	3/4	843.13	3/4	582.29	3/4	320.95	3/4	60.02	3/4	3/4	3/4		3/4	
2	1,620.50	2	1,359.28	2	1,097.92	2	837.72	2	576.84	2	315.50	2	54.64	2	2	2		2	
1/4	1,615.06	1/4	1,353.84	1/4	1,092.48	1/4	832.32	1/4	571.40	1/4	310.06	1/4	49.31	1/4	1/4	1/4		1/4	
1/2	1,609.62	1/2	1,348.39	1/2	1,087.03	1/2	826.91	1/2	565.95	1/2	304.61	1/2	43.98	1/2	1/2	1/2		1/2	
3/4	1,604.18	3/4	1,342.95	3/4	1,081.59	3/4	821.50	3/4	560.51	3/4	299.17	3/4	38.64	3/4	3/4	3/4		3/4	
3	1,598.74	3	1,337.50	3	1,076.14	3	816.09	3	555.06	3	293.72	3	33.31	3	3	3		3	
1/4	1,593.30	1/4	1,332.06	1/4	1,070.70	1/4	810.69	1/4	549.62	1/4	288.28	1/4	28.78	1/4	1/4	1/4		1/4	
1/2	1,587.85	1/2	1,326.61	1/2	1,065.25	1/2	805.28	1/2	544.17	1/2	282.83	1/2	24.25	1/2	1/2	1/2		1/2	
3/4	1,582.41	3/4	1,321.17	3/4	1,059.81	3/4	799.88	3/4	538.73	3/4	277.39	3/4	19.72	3/4	3/4	3/4		3/4	
4	1,576.97	4	1,315.72	4	1,054.36	4	794.48	4	533.29	4	271.94	4	15.19	4	4	4		4	
1/4	1,571.53	1/4	1,310.28	1/4	1,048.92	1/4	789.04	1/4	527.84	1/4	266.50	1/4	12.47	1/4	1/4	1/4		1/4	
1/2	1,566.09	1/2	1,304.83	1/2	1,043.47	1/2	783.60	1/2	522.40	1/2	261.06	1/2	9.75	1/2	1/2	1/2		1/2	
3/4	1,560.65	3/4	1,299.39	3/4	1,038.03	3/4	778.16	3/4	516.95	3/4	255.61	3/4	7.03	3/4	3/4	3/4		3/4	
5	1,555.20	5	1,293.94	5	1,032.58	5	772.72	5	511.51	5	250.17	5	4.31	5	5	5		5	
1/4	1,549.76	1/4	1,288.50	1/4	1,027.14	1/4	767.28	1/4	506.06	1/4	244.72	1/4	3.40	1/4	1/4	1/4		1/4	
1/2	1,544.32	1/2	1,283.05	1/2	1,021.69	1/2	761.84	1/2	500.62	1/2	239.28	1/2	2.49	1/2	1/2	1/2		1/2	
3/4	1,538.88	3/4	1,277.61	3/4	1,016.25	3/4	756.40	3/4	495.17	3/4	233.83	3/4	1.59	3/4	3/4	3/4		3/4	
6	1,533.44	6	1,272.16	6	1,010.80	6	750.96	6	489.73	6	228.39	6	0.68	6	6	6		6	
1/4	1,528.00	1/4	1,266.72	1/4	1,005.39	1/4	745.52	1/4	484.28	1/4	222.94	1/4		1/4	1/4	1/4		1/4	
1/2	1,522.56	1/2	1,261.27	1/2	999.99	1/2	740.08	1/2	478.84	1/2	217.50	1/2		1/2	1/2	1/2		1/2	
3/4	1,517.11	3/4	1,255.83	3/4	994.58	3/4	734.64	3/4	473.40	3/4	212.05	3/4		3/4	3/4	3/4		3/4	
7	1,511.67	7	1,250.38	7	989.17	7	729.20	7	467.95	7	206.61	7		7	7	7		7	
1/4	1,506.23	1/4	1,244.94	1/4	983.76	1/4	723.76	1/4	462.51	1/4	201.17	1/4		1/4	1/4	1/4		1/4	
1/2	1,500.79	1/2	1,239.49	1/2	978.35	1/2	718.32	1/2	457.06	1/2	195.72	1/2		1/2	1/2	1/2		1/2	
3/4	1,495.35	3/4	1,234.05	3/4	972.94	3/4	712.88	3/4	451.62	3/4	190.28	3/4		3/4	3/4	3/4		3/4	
8	1,489.91	8	1,228.60	8	967.53	8	707.44	8	446.17	8	184.83	8		8	8	8		8	
1/4	1,484.47	1/4	1,223.16	1/4	962.12	1/4	702.00	1/4	440.73	1/4	179.39	1/4		1/4	1/4	1/4		1/4	
1/2	1,479.02	1/2	1,217.71	1/2	956.72	1/2	696.56	1/2	435.28	1/2	173.94	1/2		1/2	1/2	1/2		1/2	
3/4	1,473.58	3/4	1,212.27	3/4	951.31	3/4	691.12	3/4	429.84	3/4	168.50	3/4		3/4	3/4	3/4		3/4	
9	1,468.14	9	1,206.82	9	945.90	9	685.68	9	424.39	9	163.05	9		9	9	9		9	
1/4	1,462.70	1/4	1,201.38	1/4	940.49	1/4	680.24	1/4	418.95	1/4	157.61	1/4		1/4	1/4	1/4		1/4	
1/2	1,457.26	1/2	1,195.93	1/2	935.08	1/2	674.80	1/2	413.50	1/2	152.16	1/2		1/2	1/2	1/2		1/2	
3/4	1,451.82	3/4	1,190.49	3/4	929.67	3/4	669.36	3/4	408.06	3/4	146.72	3/4		3/4	3/4	3/4		3/4	
10	1,446.37	10	1,185.04	10	924.26	10	663.93	10	402.62	10	141.28	10		10	10	10		10	
1/4	1,440.93	1/4	1,179.60	1/4	918.85	1/4	658.49	1/4	397.17	1/4	135.84	1/4		1/4	1/4	1/4		1/4	
1/2	1,435.49	1/2	1,174.15	1/2	913.45	1/2	653.05	1/2	391.73	1/2	130.40	1/2		1/2	1/2	1/2		1/2	
3/4	1,430.05	3/4	1,168.71	3/4	908.04	3/4	647.61	3/4	386.28	3/4	124.96	3/4		3/4	3/4	3/4		3/4	
11	1,424.61	11	1,163.26	11	902.63	11	642.17	11	380.84	11	119.52	11		11	11	11		11	
1/4	1,419.17	1/4	1,157.82	1/4	897.22	1/4	636.73	1/4	375.39	1/4	114.09	1/4		1/4	1/4	1/4		1/4	
1/2	1,413.73	1/2	1,152.37	1/2	891.81	1/2	631.28	1/2	369.95	1/2	108.66	1/2		1/2	1/2	1/2		1/2	
3/4	1,408.28	3/4	1,146.93	3/4	886.40	3/4	625.84	3/4	364.50	3/4	103.24	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/06/2012 CL - SW
CALCULATED: 06/07/2012 CL
PRINTED: 06/07/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2012

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