



BARGE "KIRBY 29035"

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 PORT	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2
1 STBD	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2
2 PORT	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2
2 STBD	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2
3 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-1/2	- 00-1/2
3 STBD	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 PORT IS - 00-1/2"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 1/2"

LENGTH BETWEEN DRAFT MARKS: 236'-00"

December 22, 2010

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
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<http://www.pmacorp.net>



BARGE "KIRBY 29035"

1 PORT 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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							4,313.12														
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,306.22	1/4	1/4	1/4	3,974.95	1/4	1/4	1/4	3,312.40	1/4	1/4	1/4	1/4	2,318.59	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,299.32	1/2	1/2	1/2	3,968.05	1/2	1/2	1/2	3,305.50	1/2	1/2	1/2	1/2	2,311.69	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,292.42	3/4	3/4	3/4	3,961.15	3/4	3/4	3/4	3,298.87	3/4	3/4	3/4	3/4	2,304.79	
1	1	1	1	1	1	1	4,285.52	1	1	1	3,954.24	1	1	1	3,291.70	1	1	1	1	2,297.88	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,278.61	1/4	1/4	1/4	3,947.34	1/4	1/4	1/4	3,284.80	1/4	1/4	1/4	1/4	2,290.98	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,271.71	1/2	1/2	1/2	3,940.44	1/2	1/2	1/2	3,277.90	1/2	1/2	1/2	1/2	2,284.08	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,264.81	3/4	3/4	3/4	3,933.54	3/4	3/4	3/4	3,271.00	3/4	3/4	3/4	3/4	2,277.18	
2	2	2	2	2	2	2	4,257.91	2	2	2	3,926.64	2	2	2	3,264.09	2	2	2	2	2,270.28	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,251.01	1/4	1/4	1/4	3,919.74	1/4	1/4	1/4	3,257.19	1/4	1/4	1/4	1/4	2,263.38	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,244.11	1/2	1/2	1/2	3,912.84	1/2	1/2	1/2	3,250.29	1/2	1/2	1/2	1/2	2,256.48	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,237.21	3/4	3/4	3/4	3,905.93	3/4	3/4	3/4	3,243.39	3/4	3/4	3/4	3/4	2,249.57	
3	3	3	3	3	3	3	4,230.30	3	3	3	3,899.03	3	3	3	3,236.49	3	3	3	3	2,242.67	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,223.40	1/4	1/4	1/4	3,892.13	1/4	1/4	1/4	3,229.59	1/4	1/4	1/4	1/4	2,235.77	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,216.50	1/2	1/2	1/2	3,885.23	1/2	1/2	1/2	3,222.69	1/2	1/2	1/2	1/2	2,228.87	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,209.60	3/4	3/4	3/4	3,878.33	3/4	3/4	3/4	3,215.78	3/4	3/4	3/4	3/4	2,221.97	
4	4	4	4	4	4	4	4,202.70	4	4	4	3,871.43	4	4	4	3,208.88	4	4	4	4	2,215.07	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,195.80	1/4	1/4	1/4	3,864.52	1/4	1/4	1/4	3,201.98	1/4	1/4	1/4	1/4	2,208.16	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,188.90	1/2	1/2	1/2	3,857.62	1/2	1/2	1/2	3,195.08	1/2	1/2	1/2	1/2	2,201.26	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,181.99	3/4	3/4	3/4	3,850.72	3/4	3/4	3/4	3,188.18	3/4	3/4	3/4	3/4	2,194.36	
5	5	5	5	5	5	5	4,175.09	5	5	5	3,843.82	5	5	5	3,181.28	5	5	5	5	2,187.46	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,168.19	1/4	1/4	1/4	3,836.92	1/4	1/4	1/4	3,174.37	1/4	1/4	1/4	1/4	2,180.56	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,161.29	1/2	1/2	1/2	3,830.02	1/2	1/2	1/2	3,167.47	1/2	1/2	1/2	1/2	2,173.66	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,154.39	3/4	3/4	3/4	3,823.12	3/4	3/4	3/4	3,160.57	3/4	3/4	3/4	3/4	2,166.76	
6	6	6	6	6	6	6	4,147.49	6	6	6	3,816.21	6	6	6	3,153.67	6	6	6	6	2,159.85	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,140.58	1/4	1/4	1/4	3,809.31	1/4	1/4	1/4	3,146.77	1/4	1/4	1/4	1/4	2,152.95	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,133.68	1/2	1/2	1/2	3,802.41	1/2	1/2	1/2	3,139.87	1/2	1/2	1/2	1/2	2,146.05	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,440.22	3/4	3/4	3/4	4,126.78	3/4	3/4	3/4	3,132.97	3/4	3/4	3/4	3/4	2,139.15	
7	7	7	4,436.48	7	4,419.88	7	3,788.61	7	3,788.61	7	3,788.61	7	3,788.61	7	3,457.34	7	3,126.06	7	2,794.79	7	2,463.52
1/4	1/4	1/4	4,432.74	1/4	4,412.98	1/4	3,781.71	1/4	3,781.71	1/4	3,450.43	1/4	3,119.16	1/4	2,787.89	1/4	2,456.62	1/4	2,125.35		
1/2	1/2	1/2	4,427.86	1/2	4,106.08	1/2	3,774.81	1/2	3,774.81	1/2	3,443.53	1/2	3,112.26	1/2	2,780.99	1/2	2,449.72	1/2	2,118.45		
3/4	3/4	3/4	4,422.97	3/4	4,099.18	3/4	3,767.90	3/4	3,767.90	3/4	3,436.63	3/4	3,105.36	3/4	2,774.09	3/4	2,442.82	3/4	2,111.54		
8	8	8	4,418.08	8	4,092.27	8	3,761.00	8	3,761.00	8	3,429.73	8	3,098.46	8	2,767.19	8	2,435.91	8	2,104.64		
1/4	1/4	1/4	4,413.19	1/4	4,085.37	1/4	3,754.10	1/4	3,754.10	1/4	3,422.83	1/4	3,091.56	1/4	2,760.28	1/4	2,429.01	1/4	2,097.74		
1/2	1/2	1/2	4,407.15	1/2	4,078.47	1/2	3,747.20	1/2	3,747.20	1/2	3,415.93	1/2	3,084.66	1/2	2,753.38	1/2	2,422.11	1/2	2,090.84		
3/4	3/4	3/4	4,401.11	3/4	4,071.57	3/4	3,740.30	3/4	3,740.30	3/4	3,409.03	3/4	3,077.75	3/4	2,746.48	3/4	2,415.21	3/4	2,083.94		
9	9	9	4,395.08	9	4,064.67	9	3,733.40	9	3,733.40	9	3,402.12	9	3,070.85	9	2,739.58	9	2,408.31	9	2,077.04		
1/4	1/4	1/4	4,389.04	1/4	4,057.77	1/4	3,726.49	1/4	3,726.49	1/4	3,395.22	1/4	3,063.95	1/4	2,732.68	1/4	2,401.41	1/4	2,070.13		
1/2	1/2	1/2	4,382.14	1/2	4,050.87	1/2	3,719.59	1/2	3,719.59	1/2	3,388.32	1/2	3,057.05	1/2	2,725.78	1/2	2,394.51	1/2	2,063.23		
3/4	3/4	3/4	4,375.24	3/4	4,043.96	3/4	3,712.69	3/4	3,712.69	3/4	3,381.42	3/4	3,050.15	3/4	2,718.88	3/4	2,387.60	3/4	2,056.33		
10	10	10	4,368.33	10	4,037.06	10	3,705.79	10	3,705.79	10	3,374.52	10	3,043.25	10	2,711.97	10	2,380.70	10	2,049.43		
1/4	1/4	1/4	4,361.43	1/4	4,030.16	1/4	3,698.89	1/4	3,698.89	1/4	3,367.62	1/4	3,036.34	1/4	2,705.07	1/4	2,373.80	1/4	2,042.53		
1/2	1/2	1/2	4,354.53	1/2	4,023.26	1/2	3,691.99	1/2	3,691.99	1/2	3,360.72	1/2	3,029.44	1/2	2,698.17	1/2	2,366.90	1/2	2,035.63		
3/4	3/4	3/4	4,347.63	3/4	4,016.36	3/4	3,685.09	3/4	3,685.09	3/4	3,353.81	3/4	3,022.54	3/4	2,691.27	3/4	2,360.00	3/4	2,028.73		
11	11	11	4,340.73	11	4,009.46	11	3,678.18	11	3,678.18	11	3,346.91	11	3,015.64	11	2,684.37	11	2,353.10	11	2,021.82		
1/4	1/4	1/4	4,333.83	1/4	4,002.55	1/4	3,671.28	1/4	3,671.28	1/4	3,340.01	1/4	3,008.74	1/4	2,677.47	1/4	2,346.19	1/4	2,014.92		
1/2	1/2	1/2	4,326.93	1/2	3,995.65	1/2	3,664.38	1/2	3,664.38	1/2	3,333.11	1/2	3,001.84	1/2	2,670.57	1/2	2,339.29	1/2	2,008.02		
3/4	3/4	3/4	4,320.02	3/4	3,988.75	3/4	3,657.48	3/4	3,657.48	3/4	3,326.21	3/4	2,994.94	3/4	2,663.66	3/4	2,332.39	3/4	2,001.12		

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 12'-09" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "KIRBY 29035"

1 PORT 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	1,994.22	0	1,662.95	0	1,331.67	0	1,000.40	0	679.52	0	382.98	0	111.32	0		0		0	
1/4	1,987.32	1/4	1,656.04	1/4	1,324.77	1/4	993.50	1/4	673.07	1/4	377.05	1/4	105.91	1/4	1/4		1/4		1/4
1/2	1,980.42	1/2	1,649.14	1/2	1,317.87	1/2	986.61	1/2	666.67	1/2	371.17	1/2	100.54	1/2	1/2		1/2		1/2
3/4	1,973.51	3/4	1,642.24	3/4	1,310.97	3/4	979.72	3/4	660.27	3/4	365.28	3/4	95.17	3/4	3/4		3/4		3/4
1	1,966.61	1	1,635.34	1	1,304.07	1	972.83	1	653.86	1	359.40	1	89.81	1	1		1		1
1/4	1,959.71	1/4	1,628.44	1/4	1,297.17	1/4	965.94	1/4	647.46	1/4	353.51	1/4	84.44	1/4	1/4		1/4		1/4
1/2	1,952.81	1/2	1,621.54	1/2	1,290.27	1/2	959.08	1/2	641.09	1/2	347.67	1/2	79.11	1/2	1/2		1/2		1/2
3/4	1,945.91	3/4	1,614.64	3/4	1,283.36	3/4	952.21	3/4	634.73	3/4	341.82	3/4	73.79	3/4	3/4		3/4		3/4
2	1,939.01	2	1,607.73	2	1,276.46	2	945.34	2	628.37	2	335.98	2	68.46	2	2		2		2
1/4	1,932.10	1/4	1,600.83	1/4	1,269.56	1/4	938.47	1/4	622.01	1/4	330.14	1/4	63.14	1/4	1/4		1/4		1/4
1/2	1,925.20	1/2	1,593.93	1/2	1,262.66	1/2	931.65	1/2	615.69	1/2	324.34	1/2	57.86	1/2	1/2		1/2		1/2
3/4	1,918.30	3/4	1,587.03	3/4	1,255.76	3/4	924.82	3/4	609.37	3/4	318.54	3/4	52.57	3/4	3/4		3/4		3/4
3	1,911.40	3	1,580.13	3	1,248.86	3	918.00	3	603.06	3	312.74	3	47.29	3	3		3		3
1/4	1,904.50	1/4	1,573.23	1/4	1,241.95	1/4	911.17	1/4	596.74	1/4	306.94	1/4	42.01	1/4	1/4		1/4		1/4
1/2	1,897.60	1/2	1,566.33	1/2	1,235.05	1/2	904.39	1/2	590.46	1/2	301.18	1/2	37.64	1/2	1/2		1/2		1/2
3/4	1,890.70	3/4	1,559.42	3/4	1,228.15	3/4	897.61	3/4	584.19	3/4	295.42	3/4	33.26	3/4	3/4		3/4		3/4
4	1,883.79	4	1,552.52	4	1,221.25	4	890.83	4	577.91	4	289.67	4	28.88	4	4		4		4
1/4	1,876.89	1/4	1,545.62	1/4	1,214.35	1/4	884.05	1/4	571.64	1/4	283.91	1/4	24.51	1/4	1/4		1/4		1/4
1/2	1,869.99	1/2	1,538.72	1/2	1,207.45	1/2	877.31	1/2	565.41	1/2	278.20	1/2	21.90	1/2	1/2		1/2		1/2
3/4	1,863.09	3/4	1,531.82	3/4	1,200.55	3/4	870.57	3/4	559.17	3/4	272.48	3/4	19.29	3/4	3/4		3/4		3/4
5	1,856.19	5	1,524.92	5	1,193.64	5	863.84	5	552.94	5	266.77	5	16.68	5	5		5		5
1/4	1,849.29	1/4	1,518.01	1/4	1,186.74	1/4	857.10	1/4	546.71	1/4	261.06	1/4	14.08	1/4	1/4		1/4		1/4
1/2	1,842.39	1/2	1,511.11	1/2	1,179.84	1/2	850.40	1/2	540.52	1/2	255.38	1/2		1/2	1/2		1/2		1/2
3/4	1,835.48	3/4	1,504.21	3/4	1,172.94	3/4	843.71	3/4	534.33	3/4	249.71	3/4		3/4	3/4		3/4		3/4
6	1,828.58	6	1,497.31	6	1,166.04	6	837.01	6	528.14	6	244.04	6		6	6		6		6
1/4	1,821.68	1/4	1,490.41	1/4	1,159.14	1/4	830.32	1/4	521.96	1/4	238.37	1/4		1/4	1/4		1/4		1/4
1/2	1,814.78	1/2	1,483.51	1/2	1,152.24	1/2	823.67	1/2	515.81	1/2	232.75	1/2		1/2	1/2		1/2		1/2
3/4	1,807.88	3/4	1,476.61	3/4	1,145.33	3/4	817.01	3/4	509.66	3/4	227.12	3/4		3/4	3/4		3/4		3/4
7	1,800.98	7	1,469.70	7	1,138.43	7	810.36	7	503.52	7	221.49	7		7	7		7		7
1/4	1,794.07	1/4	1,462.80	1/4	1,131.53	1/4	803.71	1/4	497.37	1/4	215.86	1/4		1/4	1/4		1/4		1/4
1/2	1,787.17	1/2	1,455.90	1/2	1,124.63	1/2	797.10	1/2	491.27	1/2	210.28	1/2		1/2	1/2		1/2		1/2
3/4	1,780.27	3/4	1,449.00	3/4	1,117.73	3/4	790.49	3/4	485.17	3/4	204.70	3/4		3/4	3/4		3/4		3/4
8	1,773.37	8	1,442.10	8	1,110.83	8	783.88	8	479.07	8	199.11	8		8	8		8		8
1/4	1,766.47	1/4	1,435.20	1/4	1,103.92	1/4	777.28	1/4	472.96	1/4	193.53	1/4		1/4	1/4		1/4		1/4
1/2	1,759.57	1/2	1,428.30	1/2	1,097.02	1/2	770.70	1/2	466.90	1/2	187.99	1/2		1/2	1/2		1/2		1/2
3/4	1,752.67	3/4	1,421.39	3/4	1,090.12	3/4	764.12	3/4	460.85	3/4	182.45	3/4		3/4	3/4		3/4		3/4
9	1,745.76	9	1,414.49	9	1,083.22	9	757.54	9	454.79	9	176.91	9		9	9		9		9
1/4	1,738.86	1/4	1,407.59	1/4	1,076.32	1/4	750.97	1/4	448.73	1/4	171.36	1/4		1/4	1/4		1/4		1/4
1/2	1,731.96	1/2	1,400.69	1/2	1,069.42	1/2	744.43	1/2	442.71	1/2	165.87	1/2		1/2	1/2		1/2		1/2
3/4	1,725.06	3/4	1,393.79	3/4	1,062.52	3/4	737.90	3/4	436.70	3/4	160.37	3/4		3/4	3/4		3/4		3/4
10	1,718.16	10	1,386.89	10	1,055.61	10	731.36	10	430.68	10	154.87	10		10	10		10		10
1/4	1,711.26	1/4	1,379.98	1/4	1,048.71	1/4	724.83	1/4	424.66	1/4	149.37	1/4		1/4	1/4		1/4		1/4
1/2	1,704.36	1/2	1,373.08	1/2	1,041.81	1/2	718.34	1/2	418.69	1/2	143.92	1/2		1/2	1/2		1/2		1/2
3/4	1,697.45	3/4	1,366.18	3/4	1,034.91	3/4	711.85	3/4	412.72	3/4	138.47	3/4		3/4	3/4		3/4		3/4
11	1,690.55	11	1,359.28	11	1,028.01	11	705.36	11	406.75	11	133.01	11		11	11		11		11
1/4	1,683.65	1/4	1,352.38	1/4	1,021.11	1/4	698.87	1/4	400.77	1/4	127.56	1/4		1/4	1/4		1/4		1/4
1/2	1,676.75	1/2	1,345.48	1/2	1,014.21	1/2	692.42	1/2	394.84	1/2	122.14	1/2		1/2	1/2		1/2		1/2
3/4	1,669.85	3/4	1,338.58	3/4	1,007.30	3/4	685.97	3/4	388.91	3/4	116.73	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/22/2010 CL - SW
RECALCULATED: 02/14/2011 CL
REPRINTED: 02/14/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2011

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



BARGE "KIRBY 29035"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	4,302.67	0	3,971.53	0	3,640.39	0	3,309.25	0	2,978.10	0	2,646.96	0	2,315.82
1/4		1/4		1/4		1/4	4,295.77	1/4	3,964.63	1/4	3,633.49	1/4	3,302.35	1/4	2,971.20	1/4	2,640.06	1/4	2,308.92
1/2		1/2		1/2		1/2	4,288.87	1/2	3,957.73	1/2	3,626.59	1/2	3,295.45	1/2	2,964.31	1/2	2,633.16	1/2	2,302.02
3/4		3/4		3/4		3/4	4,281.98	3/4	3,950.83	3/4	3,619.69	3/4	3,288.55	3/4	2,957.41	3/4	2,626.26	3/4	2,295.12
1		1		1		1	4,275.08	1	3,943.93	1	3,612.79	1	3,281.65	1	2,950.51	1	2,619.37	1	2,288.22
1/4		1/4		1/4		1/4	4,268.18	1/4	3,937.04	1/4	3,605.89	1/4	3,274.75	1/4	2,943.61	1/4	2,612.47	1/4	2,281.32
1/2		1/2		1/2		1/2	4,261.28	1/2	3,930.14	1/2	3,598.99	1/2	3,267.85	1/2	2,936.71	1/2	2,605.57	1/2	2,274.43
3/4		3/4		3/4		3/4	4,254.38	3/4	3,923.24	3/4	3,592.10	3/4	3,260.95	3/4	2,929.81	3/4	2,598.67	3/4	2,267.53
2		2		2		2	4,247.48	2	3,916.34	2	3,585.20	2	3,254.05	2	2,922.91	2	2,591.77	2	2,260.63
1/4		1/4		1/4		1/4	4,240.58	1/4	3,909.44	1/4	3,578.30	1/4	3,247.16	1/4	2,916.01	1/4	2,584.87	1/4	2,253.73
1/2		1/2		1/2		1/2	4,233.68	1/2	3,902.54	1/2	3,571.40	1/2	3,240.26	1/2	2,909.11	1/2	2,577.97	1/2	2,246.83
3/4		3/4		3/4		3/4	4,226.79	3/4	3,895.64	3/4	3,564.50	3/4	3,233.36	3/4	2,902.22	3/4	2,571.07	3/4	2,239.93
3		3		3		3	4,219.89	3	3,888.74	3	3,557.60	3	3,226.46	3	2,895.32	3	2,564.17	3	2,233.03
1/4		1/4		1/4		1/4	4,212.99	1/4	3,881.85	1/4	3,550.70	1/4	3,219.56	1/4	2,888.42	1/4	2,557.28	1/4	2,226.13
1/2		1/2		1/2		1/2	4,206.09	1/2	3,874.95	1/2	3,543.80	1/2	3,212.66	1/2	2,881.52	1/2	2,550.38	1/2	2,219.23
3/4		3/4		3/4		3/4	4,199.19	3/4	3,868.05	3/4	3,536.91	3/4	3,205.76	3/4	2,874.62	3/4	2,543.48	3/4	2,212.34
4		4		4		4	4,192.29	4	3,861.15	4	3,530.01	4	3,198.86	4	2,867.72	4	2,536.58	4	2,205.44
1/4		1/4		1/4		1/4	4,185.39	1/4	3,854.25	1/4	3,523.11	1/4	3,191.97	1/4	2,860.82	1/4	2,529.68	1/4	2,198.54
1/2		1/2		1/2		1/2	4,178.49	1/2	3,847.35	1/2	3,516.21	1/2	3,185.07	1/2	2,853.92	1/2	2,522.78	1/2	2,191.64
3/4		3/4		3/4		3/4	4,171.60	3/4	3,840.45	3/4	3,509.31	3/4	3,178.17	3/4	2,847.03	3/4	2,515.88	3/4	2,184.74
5		5		5		5	4,164.70	5	3,833.55	5	3,502.41	5	3,171.27	5	2,840.13	5	2,508.98	5	2,177.84
1/4		1/4		1/4		1/4	4,157.80	1/4	3,826.66	1/4	3,495.51	1/4	3,164.37	1/4	2,833.23	1/4	2,502.09	1/4	2,170.94
1/2		1/2		1/2		1/2	4,150.90	1/2	3,819.76	1/2	3,488.61	1/2	3,157.47	1/2	2,826.33	1/2	2,495.19	1/2	2,164.04
3/4		3/4		3/4		3/4	4,144.00	3/4	3,812.86	3/4	3,481.72	3/4	3,150.57	3/4	2,819.43	3/4	2,488.29	3/4	2,157.15
6		6		6		6	4,137.10	6	3,805.96	6	3,474.82	6	3,143.67	6	2,812.53	6	2,481.39	6	2,150.25
1/4		1/4		1/4		1/4	4,130.20	1/4	3,799.06	1/4	3,467.92	1/4	3,136.78	1/4	2,805.63	1/4	2,474.49	1/4	2,143.35
1/2		1/2		1/2	4,436.61	1/2	4,123.30	1/2	3,792.16	1/2	3,461.02	1/2	3,129.88	1/2	2,798.73	1/2	2,467.59	1/2	2,136.45
3/4		3/4		3/4	4,432.88	3/4	4,116.40	3/4	3,785.26	3/4	3,454.12	3/4	3,122.98	3/4	2,791.84	3/4	2,460.69	3/4	2,129.55
7		7		7	4,429.14	7	4,109.51	7	3,778.36	7	3,447.22	7	3,116.08	7	2,784.94	7	2,453.79	7	2,122.65
1/4		1/4		1/4	4,424.25	1/4	4,102.61	1/4	3,771.46	1/4	3,440.32	1/4	3,109.18	1/4	2,778.04	1/4	2,446.90	1/4	2,115.75
1/2		1/2		1/2	4,419.37	1/2	4,095.71	1/2	3,764.57	1/2	3,433.42	1/2	3,102.28	1/2	2,771.14	1/2	2,440.00	1/2	2,108.85
3/4		3/4		3/4	4,414.48	3/4	4,088.81	3/4	3,757.67	3/4	3,426.52	3/4	3,095.38	3/4	2,764.24	3/4	2,433.10	3/4	2,101.96
8		8		8	4,409.59	8	4,081.91	8	3,750.77	8	3,419.63	8	3,088.48	8	2,757.34	8	2,426.20	8	2,095.06
1/4		1/4		1/4	4,403.56	1/4	4,075.01	1/4	3,743.87	1/4	3,412.73	1/4	3,081.58	1/4	2,750.44	1/4	2,419.30	1/4	2,088.16
1/2		1/2		1/2	4,397.53	1/2	4,068.11	1/2	3,736.97	1/2	3,405.83	1/2	3,074.69	1/2	2,743.54	1/2	2,412.40	1/2	2,081.26
3/4		3/4		3/4	4,391.49	3/4	4,061.21	3/4	3,730.07	3/4	3,398.93	3/4	3,067.79	3/4	2,736.64	3/4	2,405.50	3/4	2,074.36
9		9		9	4,385.46	9	4,054.32	9	3,723.17	9	3,392.03	9	3,060.89	9	2,729.75	9	2,398.60	9	2,067.46
1/4		1/4		1/4	4,378.56	1/4	4,047.42	1/4	3,716.27	1/4	3,385.13	1/4	3,053.99	1/4	2,722.85	1/4	2,391.70	1/4	2,060.56
1/2		1/2		1/2	4,371.66	1/2	4,040.52	1/2	3,709.38	1/2	3,378.23	1/2	3,047.09	1/2	2,715.95	1/2	2,384.81	1/2	2,053.66
3/4		3/4		3/4	4,364.76	3/4	4,033.62	3/4	3,702.48	3/4	3,371.33	3/4	3,040.19	3/4	2,709.05	3/4	2,377.91	3/4	2,046.76
10		10		10	4,357.86	10	4,026.72	10	3,695.58	10	3,364.44	10	3,033.29	10	2,702.15	10	2,371.01	10	2,039.87
1/4		1/4		1/4	4,350.96	1/4	4,019.82	1/4	3,688.68	1/4	3,357.54	1/4	3,026.39	1/4	2,695.25	1/4	2,364.11	1/4	2,032.97
1/2		1/2		1/2	4,344.07	1/2	4,012.92	1/2	3,681.78	1/2	3,350.64	1/2	3,019.50	1/2	2,688.35	1/2	2,357.21	1/2	2,026.07
3/4		3/4		3/4	4,337.17	3/4	4,006.02	3/4	3,674.88	3/4	3,343.74	3/4	3,012.60	3/4	2,681.45	3/4	2,350.31	3/4	2,019.17
11		11		11	4,330.27	11	3,999.13	11	3,667.98	11	3,336.84	11	3,005.70	11	2,674.56	11	2,343.41	11	2,012.27
1/4		1/4		1/4	4,323.37	1/4	3,992.23	1/4	3,661.08	1/4	3,329.94	1/4	2,998.80	1/4	2,667.66	1/4	2,336.51	1/4	2,005.37
1/2		1/2		1/2	4,316.47	1/2	3,985.33	1/2	3,654.19	1/2	3,323.04	1/2	2,991.90	1/2	2,660.76	1/2	2,329.62	1/2	1,998.47
3/4		3/4		3/4	4,309.57	3/4	3,978.43	3/4	3,647.29	3/4	3,316.14	3/4	2,985.00	3/4	2,653.86	3/4	2,322.72	3/4	1,991.57

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 12'-09" OFF CENTERLINE AND 44'-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 29035"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	1,984.68	0	1,653.53	0	1,322.39	0	991.39	0	672.76	0	376.87	0	105.86	0		0		0	
1/4	1,977.78	1/4	1,646.63	1/4	1,315.49	1/4	984.55	1/4	666.36	1/4	370.99	1/4	100.49	1/4	1/4		1/4		1/4
1/2	1,970.88	1/2	1,639.74	1/2	1,308.59	1/2	977.70	1/2	659.96	1/2	365.10	1/2	95.13	1/2	1/2		1/2		1/2
3/4	1,963.98	3/4	1,632.84	3/4	1,301.69	3/4	970.85	3/4	653.56	3/4	359.22	3/4	89.76	3/4	3/4		3/4		3/4
1	1,957.08	1	1,625.94	1	1,294.80	1	964.00	1	647.15	1	353.34	1	84.39	1	1		1		1
1/4	1,950.18	1/4	1,619.04	1/4	1,287.90	1/4	957.17	1/4	640.79	1/4	347.50	1/4	79.07	1/4	1/4		1/4		1/4
1/2	1,943.28	1/2	1,612.14	1/2	1,281.00	1/2	950.35	1/2	634.44	1/2	341.66	1/2	73.75	1/2	1/2		1/2		1/2
3/4	1,936.38	3/4	1,605.24	3/4	1,274.10	3/4	943.52	3/4	628.08	3/4	335.82	3/4	68.43	3/4	3/4		3/4		3/4
2	1,929.49	2	1,598.34	2	1,267.20	2	936.69	2	621.72	2	329.97	2	63.11	2	2		2		2
1/4	1,922.59	1/4	1,591.44	1/4	1,260.30	1/4	929.91	1/4	615.40	1/4	324.18	1/4	57.83	1/4	1/4		1/4		1/4
1/2	1,915.69	1/2	1,584.55	1/2	1,253.40	1/2	923.13	1/2	609.09	1/2	318.38	1/2	52.55	1/2	1/2		1/2		1/2
3/4	1,908.79	3/4	1,577.65	3/4	1,246.50	3/4	916.34	3/4	602.77	3/4	312.58	3/4	47.27	3/4	3/4		3/4		3/4
3	1,901.89	3	1,570.75	3	1,239.61	3	909.56	3	596.46	3	306.79	3	41.99	3	3		3		3
1/4	1,894.99	1/4	1,563.85	1/4	1,232.71	1/4	902.82	1/4	590.18	1/4	301.03	1/4	37.62	1/4	1/4		1/4		1/4
1/2	1,888.09	1/2	1,556.95	1/2	1,225.81	1/2	896.08	1/2	583.91	1/2	295.28	1/2	33.24	1/2	1/2		1/2		1/2
3/4	1,881.19	3/4	1,550.05	3/4	1,218.91	3/4	889.34	3/4	577.64	3/4	289.52	3/4	28.87	3/4	3/4		3/4		3/4
4	1,874.29	4	1,543.15	4	1,212.01	4	882.60	4	571.37	4	283.77	4	24.49	4	4		4		4
1/4	1,867.40	1/4	1,536.25	1/4	1,205.11	1/4	875.90	1/4	565.14	1/4	278.06	1/4	21.89	1/4	1/4		1/4		1/4
1/2	1,860.50	1/2	1,529.35	1/2	1,198.21	1/2	869.21	1/2	558.91	1/2	272.35	1/2	19.28	1/2	1/2		1/2		1/2
3/4	1,853.60	3/4	1,522.46	3/4	1,191.31	3/4	862.51	3/4	552.68	3/4	266.64	3/4	16.68	3/4	3/4		3/4		3/4
5	1,846.70	5	1,515.56	5	1,184.41	5	855.81	5	546.45	5	260.93	5	14.07	5	5		5		5
1/4	1,839.80	1/4	1,508.66	1/4	1,177.52	1/4	849.16	1/4	540.26	1/4	255.26	1/4		1/4	1/4		1/4		1/4
1/2	1,832.90	1/2	1,501.76	1/2	1,170.62	1/2	842.50	1/2	534.08	1/2	249.59	1/2		1/2	1/2		1/2		1/2
3/4	1,826.00	3/4	1,494.86	3/4	1,163.72	3/4	835.85	3/4	527.89	3/4	243.92	3/4		3/4	3/4		3/4		3/4
6	1,819.10	6	1,487.96	6	1,156.82	6	829.20	6	521.71	6	238.25	6		6	6		6		6
1/4	1,812.21	1/4	1,481.06	1/4	1,149.92	1/4	822.59	1/4	515.56	1/4	232.63	1/4		1/4	1/4		1/4		1/4
1/2	1,805.31	1/2	1,474.16	1/2	1,143.02	1/2	815.98	1/2	509.42	1/2	227.01	1/2		1/2	1/2		1/2		1/2
3/4	1,798.41	3/4	1,467.27	3/4	1,136.12	3/4	809.37	3/4	503.28	3/4	221.38	3/4		3/4	3/4		3/4		3/4
7	1,791.51	7	1,460.37	7	1,129.22	7	802.75	7	497.14	7	215.76	7		7	7		7		7
1/4	1,784.61	1/4	1,453.47	1/4	1,122.33	1/4	796.19	1/4	491.04	1/4	210.17	1/4		1/4	1/4		1/4		1/4
1/2	1,777.71	1/2	1,446.57	1/2	1,115.43	1/2	789.62	1/2	484.94	1/2	204.59	1/2		1/2	1/2		1/2		1/2
3/4	1,770.81	3/4	1,439.67	3/4	1,108.53	3/4	783.05	3/4	478.84	3/4	199.01	3/4		3/4	3/4		3/4		3/4
8	1,763.91	8	1,432.77	8	1,101.63	8	776.48	8	472.74	8	193.43	8		8	8		8		8
1/4	1,757.02	1/4	1,425.87	1/4	1,094.73	1/4	769.95	1/4	466.68	1/4	187.89	1/4		1/4	1/4		1/4		1/4
1/2	1,750.12	1/2	1,418.97	1/2	1,087.83	1/2	763.41	1/2	460.62	1/2	182.35	1/2		1/2	1/2		1/2		1/2
3/4	1,743.22	3/4	1,412.08	3/4	1,080.93	3/4	756.87	3/4	454.57	3/4	176.82	3/4		3/4	3/4		3/4		3/4
9	1,736.32	9	1,405.18	9	1,074.03	9	750.33	9	448.51	9	171.28	9		9	9		9		9
1/4	1,729.42	1/4	1,398.28	1/4	1,067.14	1/4	743.84	1/4	442.50	1/4	165.78	1/4		1/4	1/4		1/4		1/4
1/2	1,722.52	1/2	1,391.38	1/2	1,060.24	1/2	737.34	1/2	436.48	1/2	160.29	1/2		1/2	1/2		1/2		1/2
3/4	1,715.62	3/4	1,384.48	3/4	1,053.34	3/4	730.85	3/4	430.47	3/4	154.79	3/4		3/4	3/4		3/4		3/4
10	1,708.72	10	1,377.58	10	1,046.44	10	724.35	10	424.46	10	149.30	10		10	10		10		10
1/4	1,701.82	1/4	1,370.68	1/4	1,039.54	1/4	717.90	1/4	418.49	1/4	143.85	1/4		1/4	1/4		1/4		1/4
1/2	1,694.93	1/2	1,363.78	1/2	1,032.64	1/2	711.45	1/2	412.52	1/2	138.39	1/2		1/2	1/2		1/2		1/2
3/4	1,688.03	3/4	1,356.88	3/4	1,025.74	3/4	704.99	3/4	406.55	3/4	132.94	3/4		3/4	3/4		3/4		3/4
11	1,681.13	11	1,349.99	11	1,018.84	11	698.54	11	400.58	11	127.49	11		11	11		11		11
1/4	1,674.23	1/4	1,343.09	1/4	1,011.98	1/4	692.10	1/4	394.65	1/4	122.08	1/4		1/4	1/4		1/4		1/4
1/2	1,667.33	1/2	1,336.19	1/2	1,005.12	1/2	685.65	1/2	388.72	1/2	116.67	1/2		1/2	1/2		1/2		1/2
3/4	1,660.43	3/4	1,329.29	3/4	998.26	3/4	679.21	3/4	382.80	3/4	111.27	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/22/2010 CL - SW
RECALCULATED: 02/14/2011 CL
REPRINTED: 02/14/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2011

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



BARGE "KIRBY 29035"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	5,186.44	0	4,799.26	0	4,412.09	0	4,024.92	0	3,637.75	0	3,250.57	0	2,863.40		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,178.37	1/4	4,791.20	1/4	4,404.03	1/4	4,016.85	1/4	3,629.68	1/4	3,242.51	1/4	2,855.33		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,170.31	1/2	4,783.13	1/2	4,395.96	1/2	4,008.79	1/2	3,621.61	1/2	3,234.44	1/2	2,847.27		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,162.24	3/4	4,775.07	3/4	4,387.89	3/4	4,000.72	3/4	3,613.55	3/4	3,226.38	3/4	2,839.20		
1		1		1		1	5,154.17	1	4,767.00	1	4,379.83	1	3,992.65	1	3,605.48	1	3,218.31	1	2,831.14		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,146.11	1/4	4,758.93	1/4	4,371.76	1/4	3,984.59	1/4	3,597.42	1/4	3,210.24	1/4	2,823.07		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,138.04	1/2	4,750.87	1/2	4,363.70	1/2	3,976.52	1/2	3,589.35	1/2	3,202.18	1/2	2,815.00		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,129.97	3/4	4,742.80	3/4	4,355.63	3/4	3,968.46	3/4	3,581.28	3/4	3,194.11	3/4	2,806.94		
2		2		2		2	5,121.91	2	4,734.74	2	4,347.56	2	3,960.39	2	3,573.22	2	3,186.04	2	2,798.87		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,113.84	1/4	4,726.67	1/4	4,339.50	1/4	3,952.32	1/4	3,565.15	1/4	3,177.98	1/4	2,790.81		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,105.78	1/2	4,718.60	1/2	4,331.43	1/2	3,944.26	1/2	3,557.09	1/2	3,169.91	1/2	2,782.74		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,097.71	3/4	4,710.54	3/4	4,323.36	3/4	3,936.19	3/4	3,549.02	3/4	3,161.85	3/4	2,774.67		
3		3		3		3	5,089.64	3	4,702.47	3	4,315.30	3	3,928.13	3	3,540.95	3	3,153.78	3	2,766.61		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,081.58	1/4	4,694.41	1/4	4,307.23	1/4	3,920.06	1/4	3,532.89	1/4	3,145.71	1/4	2,758.54		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,073.51	1/2	4,686.34	1/2	4,299.17	1/2	3,911.99	1/2	3,524.82	1/2	3,137.65	1/2	2,750.48		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,065.45	3/4	4,678.27	3/4	4,291.10	3/4	3,903.93	3/4	3,516.75	3/4	3,129.58	3/4	2,742.41		
4		4		4		4	5,057.38	4	4,670.21	4	4,283.03	4	3,895.86	4	3,508.69	4	3,121.52	4	2,734.34		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,049.31	1/4	4,662.14	1/4	4,274.97	1/4	3,887.80	1/4	3,500.62	1/4	3,113.45	1/4	2,726.28		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,041.25	1/2	4,654.07	1/2	4,266.90	1/2	3,879.73	1/2	3,492.56	1/2	3,105.38	1/2	2,718.21		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,033.18	3/4	4,646.01	3/4	4,258.84	3/4	3,871.66	3/4	3,484.49	3/4	3,097.32	3/4	2,710.14		
5		5		5		5	5,025.12	5	4,637.94	5	4,250.77	5	3,863.60	5	3,476.42	5	3,089.25	5	2,702.08		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,017.05	1/4	4,629.88	1/4	4,242.70	1/4	3,855.53	1/4	3,468.36	1/4	3,081.19	1/4	2,694.01		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,008.98	1/2	4,621.81	1/2	4,234.64	1/2	3,847.46	1/2	3,460.29	1/2	3,073.12	1/2	2,685.95		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,000.92	3/4	4,613.74	3/4	4,226.57	3/4	3,839.40	3/4	3,452.23	3/4	3,065.05	3/4	2,677.88		
6		6		6		6	4,992.85	6	4,605.68	6	4,218.51	6	3,831.33	6	3,444.16	6	3,056.99	6	2,669.81		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,351.09	1/4	4,984.79	1/4	4,597.61	1/4	4,210.44	1/4	3,823.27	1/4	3,436.09	1/4	3,048.92	1/4	2,661.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,346.72	1/2	4,976.72	1/2	4,589.55	1/2	4,202.37	1/2	3,815.20	1/2	3,428.03	1/2	3,040.85	1/2	2,653.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,342.35	3/4	4,968.65	3/4	4,581.48	3/4	4,194.31	3/4	3,807.13	3/4	3,419.96	3/4	3,032.79	3/4	2,645.62
7		7		7		7	5,336.64	7	4,960.59	7	4,573.41	7	4,186.24	7	3,799.07	7	3,411.90	7	3,024.72	7	2,637.55
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,330.92	1/4	4,952.52	1/4	4,565.35	1/4	4,178.18	1/4	3,791.00	1/4	3,403.83	1/4	3,016.66	1/4	2,629.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,325.21	1/2	4,944.45	1/2	4,557.28	1/2	4,170.11	1/2	3,782.94	1/2	3,395.76	1/2	3,008.59	1/2	2,621.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,319.50	3/4	4,936.39	3/4	4,549.22	3/4	4,162.04	3/4	3,774.87	3/4	3,387.70	3/4	3,000.52	3/4	2,613.35
8		8		8		8	5,312.45	8	4,928.32	8	4,541.15	8	4,153.98	8	3,766.80	8	3,379.63	8	2,992.46	8	2,605.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,305.40	1/4	4,920.26	1/4	4,533.08	1/4	4,145.91	1/4	3,758.74	1/4	3,371.57	1/4	2,984.39	1/4	2,597.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,298.35	1/2	4,912.19	1/2	4,525.02	1/2	4,137.84	1/2	3,750.67	1/2	3,363.50	1/2	2,976.33	1/2	2,589.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,291.30	3/4	4,904.12	3/4	4,516.95	3/4	4,129.78	3/4	3,742.61	3/4	3,355.43	3/4	2,968.26	3/4	2,581.09
9		9		9		9	5,283.23	9	4,896.06	9	4,508.89	9	4,121.71	9	3,734.54	9	3,347.37	9	2,960.19	9	2,573.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,275.16	1/4	4,887.99	1/4	4,500.82	1/4	4,113.65	1/4	3,726.47	1/4	3,339.30	1/4	2,952.13	1/4	2,564.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,267.10	1/2	4,879.93	1/2	4,492.75	1/2	4,105.58	1/2	3,718.41	1/2	3,331.23	1/2	2,944.06	1/2	2,556.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,259.03	3/4	4,871.86	3/4	4,484.69	3/4	4,097.51	3/4	3,710.34	3/4	3,323.17	3/4	2,936.00	3/4	2,548.82
10		10		10		10	5,250.97	10	4,863.79	10	4,476.62	10	4,089.45	10	3,702.28	10	3,315.10	10	2,927.93	10	2,540.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,242.90	1/4	4,855.73	1/4	4,468.55	1/4	4,081.38	1/4	3,694.21	1/4	3,307.04	1/4	2,919.86	1/4	2,532.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,234.83	1/2	4,847.66	1/2	4,460.49	1/2	4,073.32	1/2	3,686.14	1/2	3,298.97	1/2	2,911.80	1/2	2,524.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,226.77	3/4	4,839.60	3/4	4,452.42	3/4	4,065.25	3/4	3,678.08	3/4	3,290.90	3/4	2,903.73	3/4	2,516.56
11		11		11		11	5,218.70	11	4,831.53	11	4,444.36	11	4,057.18	11	3,670.01	11	3,282.84	11	2,895.67	11	2,508.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,210.64	1/4	4,823.46	1/4	4,436.29	1/4	4,049.12	1/4	3,661.94	1/4	3,274.77	1/4	2,887.60	1/4	2,500.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,202.57	1/2	4,815.40	1/2	4,428.22	1/2	4,041.05	1/2	3,653.88	1/2	3,266.71	1/2	2,879.53	1/2	2,492.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,194.50	3/4	4,807.33	3/4	4,420.16	3/4	4,032.99	3/4	3,645.81	3/4	3,258.64	3/4	2,871.47	3/4	2,484.29

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 12'-09" OFF CENTERLINE AND 51'-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 29035"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,476.23	0	2,089.06	0	1,701.88	0	1,314.71	0	927.54	0	540.68	0	153.53	0		0		0	
1/4	2,468.16	1/4	2,080.99	1/4	1,693.82	1/4	1,306.64	1/4	919.47	1/4	532.62	1/4	145.46	1/4	1/4	1/4		1/4	1/4
1/2	2,460.10	1/2	2,072.92	1/2	1,685.75	1/2	1,298.58	1/2	911.40	1/2	524.55	1/2	137.39	1/2	1/2	1/2		1/2	1/2
3/4	2,452.03	3/4	2,064.86	3/4	1,677.68	3/4	1,290.51	3/4	903.34	3/4	516.49	3/4	129.33	3/4	3/4	3/4		3/4	3/4
1	2,443.96	1	2,056.79	1	1,669.62	1	1,282.45	1	895.28	1	508.42	1	121.26	1	1	1		1	1
1/4	2,435.90	1/4	2,048.72	1/4	1,661.55	1/4	1,274.38	1/4	887.23	1/4	500.36	1/4	113.20	1/4	1/4	1/4		1/4	1/4
1/2	2,427.83	1/2	2,040.66	1/2	1,653.49	1/2	1,266.31	1/2	879.17	1/2	492.29	1/2	105.13	1/2	1/2	1/2		1/2	1/2
3/4	2,419.77	3/4	2,032.59	3/4	1,645.42	3/4	1,258.25	3/4	871.11	3/4	484.22	3/4	97.07	3/4	3/4	3/4		3/4	3/4
2	2,411.70	2	2,024.53	2	1,637.35	2	1,250.18	2	863.06	2	476.16	2	89.00	2	2	2		2	2
1/4	2,403.63	1/4	2,016.46	1/4	1,629.29	1/4	1,242.11	1/4	855.00	1/4	468.09	1/4	80.93	1/4	1/4	1/4		1/4	1/4
1/2	2,395.57	1/2	2,008.39	1/2	1,621.22	1/2	1,234.05	1/2	846.94	1/2	460.03	1/2	72.87	1/2	1/2	1/2		1/2	1/2
3/4	2,387.50	3/4	2,000.33	3/4	1,613.16	3/4	1,225.98	3/4	838.89	3/4	451.96	3/4	64.80	3/4	3/4	3/4		3/4	3/4
3	2,379.43	3	1,992.26	3	1,605.09	3	1,217.92	3	830.83	3	443.89	3	57.74	3	3	3		3	3
1/4	2,371.37	1/4	1,984.20	1/4	1,597.02	1/4	1,209.85	1/4	822.78	1/4	435.83	1/4	50.69	1/4	1/4	1/4		1/4	1/4
1/2	2,363.30	1/2	1,976.13	1/2	1,588.96	1/2	1,201.78	1/2	814.72	1/2	427.76	1/2	43.63	1/2	1/2	1/2		1/2	1/2
3/4	2,355.24	3/4	1,968.06	3/4	1,580.89	3/4	1,193.72	3/4	806.66	3/4	419.70	3/4	36.57	3/4	3/4	3/4		3/4	3/4
4	2,347.17	4	1,960.00	4	1,572.82	4	1,185.65	4	798.61	4	411.63	4	31.53	4	4	4		4	4
1/4	2,339.10	1/4	1,951.93	1/4	1,564.76	1/4	1,177.59	1/4	790.55	1/4	403.57	1/4	26.49	1/4	1/4	1/4		1/4	1/4
1/2	2,331.04	1/2	1,943.87	1/2	1,556.69	1/2	1,169.52	1/2	782.50	1/2	395.50	1/2	21.45	1/2	1/2	1/2		1/2	1/2
3/4	2,322.97	3/4	1,935.80	3/4	1,548.63	3/4	1,161.45	3/4	774.44	3/4	387.43	3/4	16.41	3/4	3/4	3/4		3/4	3/4
5	2,314.91	5	1,927.73	5	1,540.56	5	1,153.39	5	766.38	5	379.37	5		5	5	5		5	5
1/4	2,306.84	1/4	1,919.67	1/4	1,532.49	1/4	1,145.32	1/4	758.33	1/4	371.30	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,298.77	1/2	1,911.60	1/2	1,524.43	1/2	1,137.26	1/2	750.27	1/2	363.24	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,290.71	3/4	1,903.53	3/4	1,516.36	3/4	1,129.19	3/4	742.21	3/4	355.17	3/4		3/4	3/4	3/4		3/4	3/4
6	2,282.64	6	1,895.47	6	1,508.30	6	1,121.12	6	734.16	6	347.11	6		6	6	6		6	6
1/4	2,274.58	1/4	1,887.40	1/4	1,500.23	1/4	1,113.06	1/4	726.10	1/4	339.04	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,266.51	1/2	1,879.34	1/2	1,492.16	1/2	1,104.99	1/2	718.05	1/2	330.97	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,258.44	3/4	1,871.27	3/4	1,484.10	3/4	1,096.92	3/4	709.99	3/4	322.91	3/4		3/4	3/4	3/4		3/4	3/4
7	2,250.38	7	1,863.20	7	1,476.03	7	1,088.86	7	701.93	7	314.84	7		7	7	7		7	7
1/4	2,242.31	1/4	1,855.14	1/4	1,467.97	1/4	1,080.79	1/4	693.88	1/4	306.78	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,234.24	1/2	1,847.07	1/2	1,459.90	1/2	1,072.73	1/2	685.82	1/2	298.71	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,226.18	3/4	1,839.01	3/4	1,451.83	3/4	1,064.66	3/4	677.76	3/4	290.64	3/4		3/4	3/4	3/4		3/4	3/4
8	2,218.11	8	1,830.94	8	1,443.77	8	1,056.59	8	669.71	8	282.58	8		8	8	8		8	8
1/4	2,210.05	1/4	1,822.87	1/4	1,435.70	1/4	1,048.53	1/4	661.65	1/4	274.51	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,201.98	1/2	1,814.81	1/2	1,427.63	1/2	1,040.46	1/2	653.60	1/2	266.45	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,193.91	3/4	1,806.74	3/4	1,419.57	3/4	1,032.40	3/4	645.54	3/4	258.38	3/4		3/4	3/4	3/4		3/4	3/4
9	2,185.85	9	1,798.68	9	1,411.50	9	1,024.33	9	637.47	9	250.32	9		9	9	9		9	9
1/4	2,177.78	1/4	1,790.61	1/4	1,403.44	1/4	1,016.26	1/4	629.41	1/4	242.25	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,169.72	1/2	1,782.54	1/2	1,395.37	1/2	1,008.20	1/2	621.34	1/2	234.18	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,161.65	3/4	1,774.48	3/4	1,387.30	3/4	1,000.13	3/4	613.28	3/4	226.12	3/4		3/4	3/4	3/4		3/4	3/4
10	2,153.58	10	1,766.41	10	1,379.24	10	992.07	10	605.21	10	218.05	10		10	10	10		10	10
1/4	2,145.52	1/4	1,758.35	1/4	1,371.17	1/4	984.00	1/4	597.15	1/4	209.99	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,137.45	1/2	1,750.28	1/2	1,363.11	1/2	975.93	1/2	589.08	1/2	201.92	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,129.39	3/4	1,742.21	3/4	1,355.04	3/4	967.87	3/4	581.01	3/4	193.86	3/4		3/4	3/4	3/4		3/4	3/4
11	2,121.32	11	1,734.15	11	1,346.97	11	959.80	11	572.95	11	185.79	11		11	11	11		11	11
1/4	2,113.25	1/4	1,726.08	1/4	1,338.91	1/4	951.73	1/4	564.88	1/4	177.72	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,105.19	1/2	1,718.01	1/2	1,330.84	1/2	943.67	1/2	556.82	1/2	169.66	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,097.12	3/4	1,709.95	3/4	1,322.78	3/4	935.60	3/4	548.75	3/4	161.59	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/22/2010 CL - SW
RECALCULATED: 02/14/2011 CL
REPRINTED: 02/14/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2011

PRECISION MEASUREMENT
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P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 29035"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	5,176.98	0	4,789.99	0	4,402.99	0	4,016.00	0	3,629.00	0	3,242.01	0	2,855.01		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,168.92	1/4	4,781.93	1/4	4,394.93	1/4	4,007.94	1/4	3,620.94	1/4	3,233.95	1/4	2,846.95		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,160.86	1/2	4,773.86	1/2	4,386.87	1/2	3,999.87	1/2	3,612.88	1/2	3,225.88	1/2	2,838.89		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,152.80	3/4	4,765.80	3/4	4,378.81	3/4	3,991.81	3/4	3,604.82	3/4	3,217.82	3/4	2,830.83		
1		1		1		1	5,144.74	1	4,757.74	1	4,370.74	1	3,983.75	1	3,596.75	1	3,209.76	1	2,822.76		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,136.67	1/4	4,749.68	1/4	4,362.68	1/4	3,975.69	1/4	3,588.69	1/4	3,201.70	1/4	2,814.70		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,128.61	1/2	4,741.62	1/2	4,354.62	1/2	3,967.62	1/2	3,580.63	1/2	3,193.63	1/2	2,806.64		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,120.55	3/4	4,733.55	3/4	4,346.56	3/4	3,959.56	3/4	3,572.57	3/4	3,185.57	3/4	2,798.58		
2		2		2		2	5,112.49	2	4,725.49	2	4,338.50	2	3,951.50	2	3,564.50	2	3,177.51	2	2,790.51		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,104.42	1/4	4,717.43	1/4	4,330.43	1/4	3,943.44	1/4	3,556.44	1/4	3,169.45	1/4	2,782.45		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,096.36	1/2	4,709.37	1/2	4,322.37	1/2	3,935.38	1/2	3,548.38	1/2	3,161.38	1/2	2,774.39		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,088.30	3/4	4,701.30	3/4	4,314.31	3/4	3,927.31	3/4	3,540.32	3/4	3,153.32	3/4	2,766.33		
3		3		3		3	5,080.24	3	4,693.24	3	4,306.25	3	3,919.25	3	3,532.26	3	3,145.26	3	2,758.26		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,072.17	1/4	4,685.18	1/4	4,298.18	1/4	3,911.19	1/4	3,524.19	1/4	3,137.20	1/4	2,750.20		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,064.11	1/2	4,677.12	1/2	4,290.12	1/2	3,903.13	1/2	3,516.13	1/2	3,129.14	1/2	2,742.14		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,056.05	3/4	4,669.05	3/4	4,282.06	3/4	3,895.06	3/4	3,508.07	3/4	3,121.07	3/4	2,734.08		
4		4		4		4	5,047.99	4	4,660.99	4	4,274.00	4	3,887.00	4	3,500.01	4	3,113.01	4	2,726.02		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,039.92	1/4	4,652.93	1/4	4,265.93	1/4	3,878.94	1/4	3,491.94	1/4	3,104.95	1/4	2,717.95		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,031.86	1/2	4,644.87	1/2	4,257.87	1/2	3,870.88	1/2	3,483.88	1/2	3,096.89	1/2	2,709.89		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,023.80	3/4	4,636.80	3/4	4,249.81	3/4	3,862.81	3/4	3,475.82	3/4	3,088.82	3/4	2,701.83		
5		5		5		5	5,015.74	5	4,628.74	5	4,241.75	5	3,854.75	5	3,467.76	5	3,080.76	5	2,693.77		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,007.67	1/4	4,620.68	1/4	4,233.68	1/4	3,846.69	1/4	3,459.69	1/4	3,072.70	1/4	2,685.70		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,999.61	1/2	4,612.62	1/2	4,225.62	1/2	3,838.63	1/2	3,451.63	1/2	3,064.64	1/2	2,677.64		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,991.55	3/4	4,604.55	3/4	4,217.56	3/4	3,830.56	3/4	3,443.57	3/4	3,056.57	3/4	2,669.58		
6		6		6		6	4,983.49	6	4,596.49	6	4,209.50	6	3,822.50	6	3,435.51	6	3,048.51	6	2,661.52		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,975.42	1/4	4,588.43	1/4	4,201.43	1/4	3,814.44	1/4	3,427.44	1/4	3,040.45	1/4	2,653.45		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,333.54	1/2	4,967.36	1/2	4,580.37	1/2	4,193.37	1/2	3,806.38	1/2	3,419.38	1/2	3,032.39	1/2	2,645.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,329.18	3/4	4,959.30	3/4	4,572.30	3/4	4,185.31	3/4	3,798.31	3/4	3,411.32	3/4	3,024.32	3/4	2,637.33
7		7		7		7	5,324.81	7	4,951.24	7	4,564.24	7	4,177.25	7	3,790.25	7	3,403.26	7	3,016.26	7	2,629.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,319.10	1/4	4,943.18	1/4	4,556.18	1/4	4,169.18	1/4	3,782.19	1/4	3,395.19	1/4	3,008.20	1/4	2,621.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,313.39	1/2	4,935.11	1/2	4,548.12	1/2	4,161.12	1/2	3,774.13	1/2	3,387.13	1/2	3,000.14	1/2	2,613.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,307.68	3/4	4,927.05	3/4	4,540.06	3/4	4,153.06	3/4	3,766.06	3/4	3,379.07	3/4	2,992.07	3/4	2,605.08
8		8		8		8	5,301.97	8	4,918.99	8	4,531.99	8	4,145.00	8	3,758.00	8	3,371.01	8	2,984.01	8	2,597.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,294.91	1/4	4,910.93	1/4	4,523.93	1/4	4,136.94	1/4	3,749.94	1/4	3,362.94	1/4	2,975.95	1/4	2,588.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,287.85	1/2	4,902.86	1/2	4,515.87	1/2	4,128.87	1/2	3,741.88	1/2	3,354.88	1/2	2,967.89	1/2	2,580.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,280.79	3/4	4,894.80	3/4	4,507.81	3/4	4,120.81	3/4	3,733.82	3/4	3,346.82	3/4	2,959.82	3/4	2,572.83
9		9		9		9	5,273.73	9	4,886.74	9	4,499.74	9	4,112.75	9	3,725.75	9	3,338.76	9	2,951.76	9	2,564.77
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,265.67	1/4	4,878.68	1/4	4,491.68	1/4	4,104.69	1/4	3,717.69	1/4	3,330.70	1/4	2,943.70	1/4	2,556.70
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,257.61	1/2	4,870.61	1/2	4,483.62	1/2	4,096.62	1/2	3,709.63	1/2	3,322.63	1/2	2,935.64	1/2	2,548.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,249.55	3/4	4,862.55	3/4	4,475.56	3/4	4,088.56	3/4	3,701.57	3/4	3,314.57	3/4	2,927.58	3/4	2,540.58
10		10		10		10	5,241.48	10	4,854.49	10	4,467.49	10	4,080.50	10	3,693.50	10	3,306.51	10	2,919.51	10	2,532.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,233.42	1/4	4,846.43	1/4	4,459.43	1/4	4,072.44	1/4	3,685.44	1/4	3,298.45	1/4	2,911.45	1/4	2,524.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,225.36	1/2	4,838.36	1/2	4,451.37	1/2	4,064.37	1/2	3,677.38	1/2	3,290.38	1/2	2,903.39	1/2	2,516.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,217.30	3/4	4,830.30	3/4	4,443.31	3/4	4,056.31	3/4	3,669.32	3/4	3,282.32	3/4	2,895.33	3/4	2,508.33
11		11		11		11	5,209.23	11	4,822.24	11	4,435.24	11	4,048.25	11	3,661.25	11	3,274.26	11	2,887.26	11	2,500.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,201.17	1/4	4,814.18	1/4	4,427.18	1/4	4,040.19	1/4	3,653.19	1/4	3,266.20	1/4	2,879.20	1/4	2,492.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,193.11	1/2	4,806.11	1/2	4,419.12	1/2	4,032.12	1/2	3,645.13	1/2	3,258.13	1/2	2,871.14	1/2	2,484.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,185.05	3/4	4,798.05	3/4	4,411.06	3/4	4,024.06	3/4	3,637.07	3/4	3,250.07	3/4	2,863.08	3/4	2,476.08

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 12'-09" OFF CENTERLINE AND 51'-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 29035"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,468.02	0	2,081.02	0	1,694.03	0	1,308.28	0	935.04	0	548.51	0	161.52	0		0		0	
1/4	2,459.96	1/4	2,072.96	1/4	1,685.97	1/4	1,300.53	1/4	926.98	1/4	540.44	1/4	153.46	1/4		1/4		1/4	
1/2	2,451.89	1/2	2,064.90	1/2	1,677.90	1/2	1,292.78	1/2	918.91	1/2	532.38	1/2	145.40	1/2		1/2		1/2	
3/4	2,443.83	3/4	2,056.84	3/4	1,669.84	3/4	1,285.03	3/4	910.85	3/4	524.32	3/4	137.33	3/4		3/4		3/4	
1	2,435.77	1	2,048.77	1	1,661.78	1	1,277.28	1	902.79	1	516.26	1	129.27	1		1		1	
1/4	2,427.71	1/4	2,040.71	1/4	1,653.72	1/4	1,269.53	1/4	894.74	1/4	508.19	1/4	121.21	1/4		1/4		1/4	
1/2	2,419.64	1/2	2,032.65	1/2	1,645.65	1/2	1,261.78	1/2	886.69	1/2	500.13	1/2	113.15	1/2		1/2		1/2	
3/4	2,411.58	3/4	2,024.59	3/4	1,637.59	3/4	1,254.03	3/4	878.64	3/4	492.07	3/4	105.08	3/4		3/4		3/4	
2	2,403.52	2	2,016.52	2	1,629.53	2	1,246.28	2	870.60	2	484.01	2	97.02	2		2		2	
1/4	2,395.46	1/4	2,008.46	1/4	1,621.47	1/4	1,238.53	1/4	862.55	1/4	475.95	1/4	88.96	1/4		1/4		1/4	
1/2	2,387.39	1/2	2,000.40	1/2	1,613.40	1/2	1,230.78	1/2	854.50	1/2	467.88	1/2	80.90	1/2		1/2		1/2	
3/4	2,379.33	3/4	1,992.34	3/4	1,605.34	3/4	1,223.03	3/4	846.45	3/4	459.82	3/4	72.84	3/4		3/4		3/4	
3	2,371.27	3	1,984.27	3	1,597.28	3	1,215.28	3	838.40	3	451.76	3	64.77	3		3		3	
1/4	2,363.21	1/4	1,976.21	1/4	1,589.22	1/4	1,207.53	1/4	830.36	1/4	443.70	1/4	57.72	1/4		1/4		1/4	
1/2	2,355.14	1/2	1,968.15	1/2	1,581.15	1/2	1,199.78	1/2	822.31	1/2	435.63	1/2	50.66	1/2		1/2		1/2	
3/4	2,347.08	3/4	1,960.09	3/4	1,573.09	3/4	1,192.03	3/4	814.26	3/4	427.57	3/4	43.61	3/4		3/4		3/4	
4	2,339.02	4	1,952.02	4	1,565.03	4	1,184.28	4	806.21	4	419.51	4	36.56	4		4		4	
1/4	2,330.96	1/4	1,943.96	1/4	1,556.97	1/4	1,176.53	1/4	798.16	1/4	411.45	1/4	31.52	1/4		1/4		1/4	
1/2	2,322.90	1/2	1,935.90	1/2	1,548.90	1/2	1,168.78	1/2	790.12	1/2	403.39	1/2	26.48	1/2		1/2		1/2	
3/4	2,314.83	3/4	1,927.84	3/4	1,540.84	3/4	1,161.03	3/4	782.07	3/4	395.32	3/4	21.44	3/4		3/4		3/4	
5	2,306.77	5	1,919.78	5	1,532.78	5	1,153.28	5	774.02	5	387.26	5	16.40	5		5		5	
1/4	2,298.71	1/4	1,911.71	1/4	1,524.72	1/4	1,145.53	1/4	765.97	1/4	379.20	1/4		1/4		1/4		1/4	
1/2	2,290.65	1/2	1,903.65	1/2	1,516.66	1/2	1,137.78	1/2	757.92	1/2	371.14	1/2		1/2		1/2		1/2	
3/4	2,282.58	3/4	1,895.59	3/4	1,508.59	3/4	1,130.04	3/4	749.88	3/4	363.07	3/4		3/4		3/4		3/4	
6	2,274.52	6	1,887.53	6	1,500.53	6	1,122.29	6	741.83	6	355.01	6		6		6		6	
1/4	2,266.46	1/4	1,879.46	1/4	1,492.47	1/4	1,114.54	1/4	733.78	1/4	346.95	1/4		1/4		1/4		1/4	
1/2	2,258.40	1/2	1,871.40	1/2	1,484.41	1/2	1,106.79	1/2	725.73	1/2	338.89	1/2		1/2		1/2		1/2	
3/4	2,250.33	3/4	1,863.34	3/4	1,476.34	3/4	1,099.04	3/4	717.68	3/4	330.83	3/4		3/4		3/4		3/4	
7	2,242.27	7	1,855.28	7	1,468.28	7	1,091.29	7	709.64	7	322.76	7		7		7		7	
1/4	2,234.21	1/4	1,847.21	1/4	1,460.22	1/4	1,083.54	1/4	701.59	1/4	314.70	1/4		1/4		1/4		1/4	
1/2	2,226.15	1/2	1,839.15	1/2	1,452.16	1/2	1,075.79	1/2	693.54	1/2	306.64	1/2		1/2		1/2		1/2	
3/4	2,218.08	3/4	1,831.09	3/4	1,444.09	3/4	1,068.04	3/4	685.49	3/4	298.58	3/4		3/4		3/4		3/4	
8	2,210.02	8	1,823.03	8	1,436.03	8	1,060.29	8	677.44	8	290.52	8		8		8		8	
1/4	2,201.96	1/4	1,814.96	1/4	1,427.97	1/4	1,052.54	1/4	669.40	1/4	282.45	1/4		1/4		1/4		1/4	
1/2	2,193.90	1/2	1,806.90	1/2	1,419.91	1/2	1,044.79	1/2	661.35	1/2	274.39	1/2		1/2		1/2		1/2	
3/4	2,185.83	3/4	1,798.84	3/4	1,411.84	3/4	1,037.04	3/4	653.30	3/4	266.33	3/4		3/4		3/4		3/4	
9	2,177.77	9	1,790.78	9	1,403.78	9	1,029.29	9	645.25	9	258.27	9		9		9		9	
1/4	2,169.71	1/4	1,782.71	1/4	1,395.72	1/4	1,021.54	1/4	637.19	1/4	250.20	1/4		1/4		1/4		1/4	
1/2	2,161.65	1/2	1,774.65	1/2	1,387.66	1/2	1,013.79	1/2	629.13	1/2	242.14	1/2		1/2		1/2		1/2	
3/4	2,153.58	3/4	1,766.59	3/4	1,379.59	3/4	1,006.04	3/4	621.07	3/4	234.08	3/4		3/4		3/4		3/4	
10	2,145.52	10	1,758.53	10	1,371.53	10	998.29	10	613.00	10	226.02	10		10		10		10	
1/4	2,137.46	1/4	1,750.46	1/4	1,363.47	1/4	990.54	1/4	604.94	1/4	217.96	1/4		1/4		1/4		1/4	
1/2	2,129.40	1/2	1,742.40	1/2	1,355.41	1/2	982.79	1/2	596.88	1/2	209.89	1/2		1/2		1/2		1/2	
3/4	2,121.34	3/4	1,734.34	3/4	1,347.34	3/4	975.04	3/4	588.82	3/4	201.83	3/4		3/4		3/4		3/4	
11	2,113.27	11	1,726.28	11	1,339.28	11	967.29	11	580.75	11	193.77	11		11		11		11	
1/4	2,105.21	1/4	1,718.22	1/4	1,331.53	1/4	959.22	1/4	572.69	1/4	185.71	1/4		1/4		1/4		1/4	
1/2	2,097.15	1/2	1,710.15	1/2	1,323.78	1/2	951.16	1/2	564.63	1/2	177.64	1/2		1/2		1/2		1/2	
3/4	2,089.09	3/4	1,702.09	3/4	1,316.03	3/4	943.10	3/4	556.57	3/4	169.58	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/22/2010 CL - SW
RECALCULATED: 02/14/2011 CL
REPRINTED: 02/14/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2011

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



BARGE "KIRBY 29035"

3 PORT 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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1		1		1		1		1		1		1		1		1		1	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2		2		2		2		2		2		2		2		2		2	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3		3		3		3		3		3		3		3		3		3	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4		4		4		4		4		4		4		4		4		4	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5		5		5		5		5		5		5		5		5		5	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6		6		6		6		6		6		6		6		6		6	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7		7		7		7		7		7		7		7		7		7	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8		8		8		8		8		8		8		8		8		8	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9		9		9		9		9		9		9		9		9		9	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10		10		10		10		10		10		10		10		10		10	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11		11		11		11		11		11		11		11		11		11	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11		11		11		11		11		11		11		11		11		11	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

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 12'-09" OFF CENTERLINE AND 45'-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 29035"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	2,315.54	0	1,955.69	0	1,595.65	0	1,235.94	0	877.35	0	517.92	0	157.82	0		0		0	
1/4	2,308.05	1/4	1,948.18	1/4	1,588.15	1/4	1,228.48	1/4	869.84	1/4	510.42	1/4	150.32	1/4		1/4		1/4	
1/2	2,300.55	1/2	1,940.68	1/2	1,580.65	1/2	1,221.02	1/2	862.34	1/2	502.92	1/2	142.82	1/2		1/2		1/2	
3/4	2,293.06	3/4	1,933.18	3/4	1,573.14	3/4	1,213.55	3/4	854.84	3/4	495.41	3/4	135.31	3/4		3/4		3/4	
1	2,285.57	1	1,925.68	1	1,565.64	1	1,206.09	1	847.34	1	487.91	1	127.81	1		1		1	
1/4	2,278.07	1/4	1,918.18	1/4	1,558.14	1/4	1,198.62	1/4	839.84	1/4	480.41	1/4	120.31	1/4		1/4		1/4	
1/2	2,270.58	1/2	1,910.68	1/2	1,550.64	1/2	1,191.16	1/2	832.33	1/2	472.91	1/2	112.81	1/2		1/2		1/2	
3/4	2,263.08	3/4	1,903.18	3/4	1,543.14	3/4	1,183.70	3/4	824.83	3/4	465.41	3/4	105.30	3/4		3/4		3/4	
2	2,255.59	2	1,895.68	2	1,535.64	2	1,176.23	2	817.33	2	457.90	2	97.80	2		2		2	
1/4	2,248.10	1/4	1,888.18	1/4	1,528.14	1/4	1,168.77	1/4	809.83	1/4	450.40	1/4	90.30	1/4		1/4		1/4	
1/2	2,240.60	1/2	1,880.68	1/2	1,520.64	1/2	1,161.31	1/2	802.33	1/2	442.90	1/2	82.80	1/2		1/2		1/2	
3/4	2,233.11	3/4	1,873.18	3/4	1,513.14	3/4	1,153.84	3/4	794.82	3/4	435.40	3/4	75.30	3/4		3/4		3/4	
3	2,225.62	3	1,865.68	3	1,505.64	3	1,146.38	3	787.32	3	427.89	3	67.79	3		3		3	
1/4	2,218.12	1/4	1,858.17	1/4	1,498.14	1/4	1,138.91	1/4	779.82	1/4	420.39	1/4	60.29	1/4		1/4		1/4	
1/2	2,210.63	1/2	1,850.67	1/2	1,490.64	1/2	1,131.45	1/2	772.34	1/2	412.89	1/2	52.79	1/2		1/2		1/2	
3/4	2,203.14	3/4	1,843.17	3/4	1,483.13	3/4	1,123.99	3/4	764.86	3/4	405.39	3/4	45.28	3/4		3/4		3/4	
4	2,195.64	4	1,835.67	4	1,475.63	4	1,116.52	4	757.38	4	397.89	4	40.60	4		4		4	
1/4	2,188.15	1/4	1,828.17	1/4	1,468.13	1/4	1,109.06	1/4	749.89	1/4	390.38	1/4	34.03	1/4		1/4		1/4	
1/2	2,180.66	1/2	1,820.67	1/2	1,460.63	1/2	1,101.60	1/2	742.41	1/2	382.88	1/2	29.35	1/2		1/2		1/2	
3/4	2,173.16	3/4	1,813.17	3/4	1,453.13	3/4	1,094.13	3/4	734.93	3/4	375.38	3/4	24.66	3/4		3/4		3/4	
5	2,165.67	5	1,805.67	5	1,445.63	5	1,086.67	5	727.45	5	367.88	5	19.97	5		5		5	
1/4	2,158.18	1/4	1,798.17	1/4	1,438.13	1/4	1,079.20	1/4	719.97	1/4	360.38	1/4	15.28	1/4		1/4		1/4	
1/2	2,150.68	1/2	1,790.67	1/2	1,430.63	1/2	1,071.74	1/2	712.49	1/2	352.87	1/2		1/2		1/2		1/2	
3/4	2,143.19	3/4	1,783.17	3/4	1,423.13	3/4	1,064.28	3/4	705.01	3/4	345.37	3/4		3/4		3/4		3/4	
6	2,135.70	6	1,775.67	6	1,415.63	6	1,056.81	6	697.53	6	337.87	6		6		6		6	
1/4	2,128.20	1/4	1,768.17	1/4	1,408.13	1/4	1,049.35	1/4	690.05	1/4	330.37	1/4		1/4		1/4		1/4	
1/2	2,120.70	1/2	1,760.66	1/2	1,400.63	1/2	1,041.89	1/2	682.57	1/2	322.87	1/2		1/2		1/2		1/2	
3/4	2,113.20	3/4	1,753.16	3/4	1,393.13	3/4	1,034.42	3/4	675.08	3/4	315.36	3/4		3/4		3/4		3/4	
7	2,105.70	7	1,745.66	7	1,385.62	7	1,026.96	7	667.60	7	307.86	7		7		7		7	
1/4	2,098.20	1/4	1,738.16	1/4	1,378.12	1/4	1,019.49	1/4	660.12	1/4	300.36	1/4		1/4		1/4		1/4	
1/2	2,090.70	1/2	1,730.66	1/2	1,370.62	1/2	1,012.03	1/2	652.64	1/2	292.86	1/2		1/2		1/2		1/2	
3/4	2,083.20	3/4	1,723.16	3/4	1,363.12	3/4	1,004.57	3/4	645.16	3/4	285.36	3/4		3/4		3/4		3/4	
8	2,075.70	8	1,715.66	8	1,355.62	8	997.10	8	637.68	8	277.85	8		8		8		8	
1/4	2,068.20	1/4	1,708.16	1/4	1,348.12	1/4	989.64	1/4	630.20	1/4	270.35	1/4		1/4		1/4		1/4	
1/2	2,060.70	1/2	1,700.66	1/2	1,340.62	1/2	982.17	1/2	622.72	1/2	262.85	1/2		1/2		1/2		1/2	
3/4	2,053.20	3/4	1,693.16	3/4	1,333.12	3/4	974.71	3/4	615.24	3/4	255.35	3/4		3/4		3/4		3/4	
9	2,045.69	9	1,685.66	9	1,325.62	9	967.25	9	607.76	9	247.84	9		9		9		9	
1/4	2,038.19	1/4	1,678.16	1/4	1,318.12	1/4	959.78	1/4	600.27	1/4	240.34	1/4		1/4		1/4		1/4	
1/2	2,030.69	1/2	1,670.65	1/2	1,310.64	1/2	952.30	1/2	592.79	1/2	232.84	1/2		1/2		1/2		1/2	
3/4	2,023.19	3/4	1,663.15	3/4	1,303.15	3/4	944.82	3/4	585.31	3/4	225.34	3/4		3/4		3/4		3/4	
10	2,015.69	10	1,655.65	10	1,295.67	10	937.34	10	577.83	10	217.84	10		10		10		10	
1/4	2,008.19	1/4	1,648.15	1/4	1,288.19	1/4	929.85	1/4	570.35	1/4	210.33	1/4		1/4		1/4		1/4	
1/2	2,000.69	1/2	1,640.65	1/2	1,280.73	1/2	922.35	1/2	562.87	1/2	202.83	1/2		1/2		1/2		1/2	
3/4	1,993.19	3/4	1,633.15	3/4	1,273.26	3/4	914.85	3/4	555.39	3/4	195.33	3/4		3/4		3/4		3/4	
11	1,985.69	11	1,625.65	11	1,265.80	11	907.35	11	547.91	11	187.83	11		11		11		11	
1/4	1,978.19	1/4	1,618.15	1/4	1,258.34	1/4	899.85	1/4	540.43	1/4	180.33	1/4		1/4		1/4		1/4	
1/2	1,970.69	1/2	1,610.65	1/2	1,250.87	1/2	892.35	1/2	532.92	1/2	172.82	1/2		1/2		1/2		1/2	
3/4	1,963.19	3/4	1,603.15	3/4	1,243.41	3/4	884.85	3/4	525.42	3/4	165.32	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/22/2010 CL - SW
RECALCULATED: 02/14/2011 CL
REPRINTED: 02/14/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2011

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



BARGE "KIRBY 29035"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	4,523.65	0	4,229.85	0	3,936.05	0	3,642.24	0	3,348.44	0	3,010.87	0	2,651.41
1/4		1/4		1/4		1/4	4,517.53	1/4	4,223.73	1/4	3,929.93	1/4	3,636.12	1/4	3,342.32	1/4	3,003.38	1/4	2,643.92
1/2		1/2		1/2		1/2	4,511.41	1/2	4,217.61	1/2	3,923.81	1/2	3,630.00	1/2	3,336.20	1/2	2,995.89	1/2	2,636.43
3/4		3/4		3/4		3/4	4,505.29	3/4	4,211.49	3/4	3,917.68	3/4	3,623.88	3/4	3,330.08	3/4	2,988.40	3/4	2,628.94
1		1		1		1	4,499.17	1	4,205.37	1	3,911.56	1	3,617.76	1	3,323.96	1	2,980.91	1	2,621.46
1/4		1/4		1/4		1/4	4,493.05	1/4	4,199.25	1/4	3,905.44	1/4	3,611.64	1/4	3,317.84	1/4	2,973.42	1/4	2,613.97
1/2		1/2		1/2		1/2	4,486.93	1/2	4,193.13	1/2	3,899.32	1/2	3,605.52	1/2	3,311.72	1/2	2,965.94	1/2	2,606.48
3/4		3/4		3/4		3/4	4,480.81	3/4	4,187.00	3/4	3,893.20	3/4	3,599.40	3/4	3,305.59	3/4	2,958.45	3/4	2,598.99
2		2		2		2	4,474.69	2	4,180.88	2	3,887.08	2	3,593.28	2	3,299.47	2	2,950.96	2	2,591.50
1/4		1/4		1/4		1/4	4,468.57	1/4	4,174.76	1/4	3,880.96	1/4	3,587.16	1/4	3,293.35	1/4	2,943.47	1/4	2,584.01
1/2		1/2		1/2		1/2	4,462.44	1/2	4,168.64	1/2	3,874.84	1/2	3,581.04	1/2	3,287.23	1/2	2,935.98	1/2	2,576.52
3/4		3/4		3/4		3/4	4,456.32	3/4	4,162.52	3/4	3,868.72	3/4	3,574.91	3/4	3,281.11	3/4	2,928.49	3/4	2,569.04
3		3		3		3	4,450.20	3	4,156.40	3	3,862.60	3	3,568.79	3	3,274.99	3	2,921.00	3	2,561.55
1/4		1/4		1/4		1/4	4,444.08	1/4	4,150.28	1/4	3,856.48	1/4	3,562.67	1/4	3,268.87	1/4	2,913.52	1/4	2,554.06
1/2		1/2		1/2		1/2	4,437.96	1/2	4,144.16	1/2	3,850.35	1/2	3,556.55	1/2	3,262.75	1/2	2,906.03	1/2	2,546.57
3/4		3/4		3/4		3/4	4,431.84	3/4	4,138.04	3/4	3,844.23	3/4	3,550.43	3/4	3,256.63	3/4	2,898.54	3/4	2,539.08
4		4		4		4	4,425.72	4	4,131.92	4	3,838.11	4	3,544.31	4	3,250.51	4	2,891.05	4	2,531.59
1/4		1/4		1/4		1/4	4,419.60	1/4	4,125.80	1/4	3,831.99	1/4	3,538.19	1/4	3,243.02	1/4	2,883.56	1/4	2,524.10
1/2		1/2		1/2		1/2	4,413.48	1/2	4,119.67	1/2	3,825.87	1/2	3,532.07	1/2	3,235.53	1/2	2,876.07	1/2	2,516.61
3/4		3/4		3/4		3/4	4,407.36	3/4	4,113.55	3/4	3,819.75	3/4	3,525.95	3/4	3,228.04	3/4	2,868.58	3/4	2,509.13
5		5		5		5	4,401.24	5	4,107.43	5	3,813.63	5	3,519.83	5	3,220.55	5	2,861.09	5	2,501.64
1/4		1/4		1/4		1/4	4,395.12	1/4	4,101.31	1/4	3,807.51	1/4	3,513.71	1/4	3,213.06	1/4	2,853.61	1/4	2,494.15
1/2		1/2		1/2		1/2	4,388.99	1/2	4,095.19	1/2	3,801.39	1/2	3,507.58	1/2	3,205.57	1/2	2,846.12	1/2	2,486.66
3/4		3/4		3/4		3/4	4,382.87	3/4	4,089.07	3/4	3,795.27	3/4	3,501.46	3/4	3,198.09	3/4	2,838.63	3/4	2,479.17
6		6		6		6	4,376.75	6	4,082.95	6	3,789.15	6	3,495.34	6	3,190.60	6	2,831.14	6	2,471.68
1/4		1/4		1/4		1/4	4,370.63	1/4	4,076.83	1/4	3,783.03	1/4	3,489.22	1/4	3,183.11	1/4	2,823.65	1/4	2,464.19
1/2		1/2		1/2	4,658.34	1/2	4,364.51	1/2	4,070.71	1/2	3,776.90	1/2	3,483.10	1/2	3,175.62	1/2	2,816.16	1/2	2,456.70
3/4		3/4		3/4	4,654.27	3/4	4,358.39	3/4	4,064.59	3/4	3,770.78	3/4	3,476.98	3/4	3,168.13	3/4	2,808.67	3/4	2,449.22
7		7		7	4,650.21	7	4,352.27	7	4,058.47	7	3,764.66	7	3,470.86	7	3,160.64	7	2,801.18	7	2,441.73
1/4		1/4		1/4	4,644.89	1/4	4,346.15	1/4	4,052.34	1/4	3,758.54	1/4	3,464.74	1/4	3,153.15	1/4	2,793.70	1/4	2,434.24
1/2		1/2		1/2	4,639.57	1/2	4,340.03	1/2	4,046.22	1/2	3,752.42	1/2	3,458.62	1/2	3,145.66	1/2	2,786.21	1/2	2,426.75
3/4		3/4		3/4	4,634.25	3/4	4,333.91	3/4	4,040.10	3/4	3,746.30	3/4	3,452.50	3/4	3,138.18	3/4	2,778.72	3/4	2,419.27
8		8		8	4,628.93	8	4,327.79	8	4,033.98	8	3,740.18	8	3,446.38	8	3,130.69	8	2,771.23	8	2,411.78
1/4		1/4		1/4	4,622.36	1/4	4,321.66	1/4	4,027.86	1/4	3,734.06	1/4	3,440.25	1/4	3,123.20	1/4	2,763.74	1/4	2,404.30
1/2		1/2		1/2	4,615.79	1/2	4,315.54	1/2	4,021.74	1/2	3,727.94	1/2	3,434.13	1/2	3,115.71	1/2	2,756.25	1/2	2,396.81
3/4		3/4		3/4	4,609.22	3/4	4,309.42	3/4	4,015.62	3/4	3,721.82	3/4	3,428.01	3/4	3,108.22	3/4	2,748.76	3/4	2,389.33
9		9		9	4,602.64	9	4,303.30	9	4,009.50	9	3,715.70	9	3,421.89	9	3,100.73	9	2,741.28	9	2,381.84
1/4		1/4		1/4	4,595.14	1/4	4,297.18	1/4	4,003.38	1/4	3,709.57	1/4	3,415.77	1/4	3,093.24	1/4	2,733.79	1/4	2,374.36
1/2		1/2		1/2	4,587.63	1/2	4,291.06	1/2	3,997.26	1/2	3,703.45	1/2	3,409.65	1/2	3,085.76	1/2	2,726.30	1/2	2,366.87
3/4		3/4		3/4	4,580.13	3/4	4,284.94	3/4	3,991.14	3/4	3,697.33	3/4	3,403.53	3/4	3,078.27	3/4	2,718.81	3/4	2,359.39
10		10		10	4,572.62	10	4,278.82	10	3,985.01	10	3,691.21	10	3,397.41	10	3,070.78	10	2,711.32	10	2,351.90
1/4		1/4		1/4	4,566.50	1/4	4,272.70	1/4	3,978.89	1/4	3,685.09	1/4	3,391.29	1/4	3,063.29	1/4	2,703.83	1/4	2,344.42
1/2		1/2		1/2	4,560.38	1/2	4,266.58	1/2	3,972.77	1/2	3,678.97	1/2	3,385.17	1/2	3,055.80	1/2	2,696.34	1/2	2,336.94
3/4		3/4		3/4	4,554.26	3/4	4,260.46	3/4	3,966.65	3/4	3,672.85	3/4	3,379.05	3/4	3,048.31	3/4	2,688.85	3/4	2,329.45
11		11		11	4,548.14	11	4,254.33	11	3,960.53	11	3,666.73	11	3,372.92	11	3,040.82	11	2,681.37	11	2,321.97
1/4		1/4		1/4	4,542.02	1/4	4,248.21	1/4	3,954.41	1/4	3,660.61	1/4	3,366.80	1/4	3,033.33	1/4	2,673.88	1/4	2,314.48
1/2		1/2		1/2	4,535.90	1/2	4,242.09	1/2	3,948.29	1/2	3,654.49	1/2	3,360.68	1/2	3,025.85	1/2	2,666.39	1/2	2,307.00
3/4		3/4		3/4	4,529.77	3/4	4,235.97	3/4	3,942.17	3/4	3,648.37	3/4	3,354.56	3/4	3,018.36	3/4	2,658.90	3/4	2,299.51

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 12'-09" OFF CENTERLINE AND 45'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29035"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	2,292.03	0	1,933.43	0	1,575.12	0	1,217.68	0	869.21	0	510.09	0	150.25	0		0		0	
1/4	2,284.54	1/4	1,925.99	1/4	1,567.63	1/4	1,210.46	1/4	861.71	1/4	502.59	1/4	142.75	1/4		1/4		1/4	
1/2	2,277.06	1/2	1,918.54	1/2	1,560.13	1/2	1,203.25	1/2	854.21	1/2	495.10	1/2	135.26	1/2		1/2		1/2	
3/4	2,269.57	3/4	1,911.10	3/4	1,552.64	3/4	1,196.04	3/4	846.71	3/4	487.60	3/4	127.76	3/4		3/4		3/4	
1	2,262.09	1	1,903.66	1	1,545.15	1	1,188.83	1	839.22	1	480.10	1	120.26	1		1		1	
1/4	2,254.60	1/4	1,896.21	1/4	1,537.65	1/4	1,181.62	1/4	831.72	1/4	472.61	1/4	112.77	1/4		1/4		1/4	
1/2	2,247.12	1/2	1,888.77	1/2	1,530.16	1/2	1,174.40	1/2	824.22	1/2	465.11	1/2	105.27	1/2		1/2		1/2	
3/4	2,239.63	3/4	1,881.32	3/4	1,522.67	3/4	1,167.19	3/4	816.73	3/4	457.61	3/4	97.78	3/4		3/4		3/4	
2	2,232.14	2	1,873.88	2	1,515.17	2	1,159.98	2	809.23	2	450.12	2	90.28	2		2		2	
1/4	2,224.65	1/4	1,866.43	1/4	1,507.68	1/4	1,152.77	1/4	801.73	1/4	442.62	1/4	82.78	1/4		1/4		1/4	
1/2	2,217.16	1/2	1,858.99	1/2	1,500.18	1/2	1,145.55	1/2	794.24	1/2	435.12	1/2	75.29	1/2		1/2		1/2	
3/4	2,209.67	3/4	1,851.55	3/4	1,492.69	3/4	1,138.34	3/4	786.74	3/4	427.63	3/4	67.79	3/4		3/4		3/4	
3	2,202.18	3	1,844.10	3	1,485.20	3	1,131.13	3	779.24	3	420.13	3	60.30	3		3		3	
1/4	2,194.69	1/4	1,836.66	1/4	1,477.70	1/4	1,123.92	1/4	771.77	1/4	412.63	1/4	53.74	1/4		1/4		1/4	
1/2	2,187.20	1/2	1,829.21	1/2	1,470.21	1/2	1,116.70	1/2	764.29	1/2	405.14	1/2	47.18	1/2		1/2		1/2	
3/4	2,179.71	3/4	1,821.77	3/4	1,462.72	3/4	1,109.49	3/4	756.82	3/4	397.64	3/4	40.62	3/4		3/4		3/4	
4	2,172.22	4	1,814.32	4	1,455.22	4	1,102.28	4	749.35	4	390.14	4	34.06	4		4		4	
1/4	2,164.74	1/4	1,806.88	1/4	1,447.73	1/4	1,095.07	1/4	741.87	1/4	382.65	1/4	29.37	1/4		1/4		1/4	
1/2	2,157.25	1/2	1,799.44	1/2	1,440.24	1/2	1,087.85	1/2	734.40	1/2	375.15	1/2	24.68	1/2		1/2		1/2	
3/4	2,149.76	3/4	1,791.99	3/4	1,432.74	3/4	1,080.64	3/4	726.92	3/4	367.65	3/4	19.98	3/4		3/4		3/4	
5	2,142.27	5	1,784.55	5	1,425.25	5	1,073.43	5	719.45	5	360.16	5	15.29	5		5		5	
1/4	2,134.78	1/4	1,777.10	1/4	1,417.75	1/4	1,066.22	1/4	711.98	1/4	352.66	1/4		1/4		1/4		1/4	
1/2	2,127.29	1/2	1,769.66	1/2	1,410.26	1/2	1,059.00	1/2	704.50	1/2	345.16	1/2		1/2		1/2		1/2	
3/4	2,119.80	3/4	1,762.21	3/4	1,402.77	3/4	1,051.79	3/4	697.03	3/4	337.67	3/4		3/4		3/4		3/4	
6	2,112.31	6	1,754.77	6	1,395.27	6	1,044.58	6	689.55	6	330.17	6		6		6		6	
1/4	2,104.81	1/4	1,747.33	1/4	1,387.78	1/4	1,037.37	1/4	682.08	1/4	322.67	1/4		1/4		1/4		1/4	
1/2	2,097.31	1/2	1,739.88	1/2	1,380.29	1/2	1,030.15	1/2	674.61	1/2	315.18	1/2		1/2		1/2		1/2	
3/4	2,089.82	3/4	1,732.44	3/4	1,372.79	3/4	1,022.94	3/4	667.13	3/4	307.68	3/4		3/4		3/4		3/4	
7	2,082.32	7	1,724.99	7	1,365.30	7	1,015.73	7	659.66	7	300.18	7		7		7		7	
1/4	2,074.87	1/4	1,717.50	1/4	1,357.81	1/4	1,008.52	1/4	652.18	1/4	292.69	1/4		1/4		1/4		1/4	
1/2	2,067.43	1/2	1,710.01	1/2	1,350.31	1/2	1,001.31	1/2	644.71	1/2	285.19	1/2		1/2		1/2		1/2	
3/4	2,059.99	3/4	1,702.51	3/4	1,342.82	3/4	994.09	3/4	637.24	3/4	277.69	3/4		3/4		3/4		3/4	
8	2,052.54	8	1,695.02	8	1,335.33	8	986.88	8	629.76	8	270.20	8		8		8		8	
1/4	2,045.10	1/4	1,687.52	1/4	1,327.83	1/4	979.67	1/4	622.29	1/4	262.70	1/4		1/4		1/4		1/4	
1/2	2,037.65	1/2	1,680.03	1/2	1,320.34	1/2	972.46	1/2	614.82	1/2	255.20	1/2		1/2		1/2		1/2	
3/4	2,030.21	3/4	1,672.54	3/4	1,312.84	3/4	965.24	3/4	607.34	3/4	247.71	3/4		3/4		3/4		3/4	
9	2,022.76	9	1,665.04	9	1,305.35	9	958.03	9	599.87	9	240.21	9		9		9		9	
1/4	2,015.32	1/4	1,657.55	1/4	1,297.86	1/4	950.82	1/4	592.39	1/4	232.71	1/4		1/4		1/4		1/4	
1/2	2,007.88	1/2	1,650.06	1/2	1,290.36	1/2	943.61	1/2	584.92	1/2	225.22	1/2		1/2		1/2		1/2	
3/4	2,000.43	3/4	1,642.56	3/4	1,282.87	3/4	936.39	3/4	577.45	3/4	217.72	3/4		3/4		3/4		3/4	
10	1,992.99	10	1,635.07	10	1,275.38	10	929.18	10	569.97	10	210.22	10		10		10		10	
1/4	1,985.54	1/4	1,627.58	1/4	1,268.16	1/4	921.68	1/4	562.50	1/4	202.73	1/4		1/4		1/4		1/4	
1/2	1,978.10	1/2	1,620.08	1/2	1,260.95	1/2	914.19	1/2	555.02	1/2	195.23	1/2		1/2		1/2		1/2	
3/4	1,970.65	3/4	1,612.59	3/4	1,253.74	3/4	906.69	3/4	547.55	3/4	187.73	3/4		3/4		3/4		3/4	
11	1,963.21	11	1,605.09	11	1,246.53	11	899.19	11	540.08	11	180.24	11		11		11		11	
1/4	1,955.77	1/4	1,597.60	1/4	1,239.31	1/4	891.70	1/4	532.58	1/4	172.74	1/4		1/4		1/4		1/4	
1/2	1,948.32	1/2	1,590.11	1/2	1,232.10	1/2	884.20	1/2	525.08	1/2	165.24	1/2		1/2		1/2		1/2	
3/4	1,940.88	3/4	1,582.61	3/4	1,224.89	3/4	876.70	3/4	517.59	3/4	157.75	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/22/2010 CL - SW
RECALCULATED: 02/14/2011 CL
REPRINTED: 02/14/2011 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2011

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