



BARGE "KIRBY 11020B"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-1/2	- 00-1/2	00-5/8	- 00-5/8
2 CENTER	00-1/8	- 00-1/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-3/4	- 00-3/4	00-7/8	- 00-7/8	01-1/8	- 01-1/8
3 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-3/4	- 00-3/4	00-7/8	- 00-7/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 CENTER IS - 00-1/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 3/4"

LENGTH BETWEEN DRAFT MARKS: 183'-00"

June 2, 2010

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

<http://www.pmacorp.net>



BARGE "KIRBY 11020B"

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	0	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	4,095.37	1/4	3,797.86	1/4	3,490.41	1/4	3,182.96	1/4	2,874.95	1/4	2,566.10	1/4	2,257.25		
1/2		1/2		1/2		1/2	4,092.15	1/2	3,791.46	1/2	3,484.00	1/2	3,176.55	1/2	2,868.51	1/2	2,559.66	1/2	2,250.81		
3/4		3/4		3/4		3/4	4,086.78	3/4	3,785.05	3/4	3,477.60	3/4	3,170.14	3/4	2,862.08	3/4	2,553.23	3/4	2,244.38		
1	1	1	1	1	1	1	4,081.42	1	3,778.65	1	3,471.19	1	3,163.74	1	2,855.64	1	2,546.79	1	2,237.94		
1/4		1/4		1/4		1/4	4,076.06	1/4	3,772.24	1/4	3,464.79	1/4	3,157.33	1/4	2,849.21	1/4	2,540.36	1/4	2,231.51		
1/2		1/2		1/2		1/2	4,070.70	1/2	3,765.84	1/2	3,458.38	1/2	3,150.93	1/2	2,842.78	1/2	2,533.92	1/2	2,225.07		
3/4		3/4		3/4		3/4	4,064.44	3/4	3,759.43	3/4	3,451.98	3/4	3,144.52	3/4	2,836.34	3/4	2,527.49	3/4	2,218.64		
2	2	2	2	2	2	2	4,058.18	2	3,753.03	2	3,445.57	2	3,138.12	2	2,829.91	2	2,521.06	2	2,212.20		
1/4		1/4		1/4		1/4	4,051.92	1/4	3,746.62	1/4	3,439.17	1/4	3,131.71	1/4	2,823.47	1/4	2,514.62	1/4	2,205.77		
1/2		1/2		1/2		1/2	4,045.66	1/2	3,740.22	1/2	3,432.76	1/2	3,125.31	1/2	2,817.04	1/2	2,508.19	1/2	2,199.34		
3/4		3/4		3/4		3/4	4,039.37	3/4	3,733.81	3/4	3,426.36	3/4	3,118.90	3/4	2,810.60	3/4	2,501.75	3/4	2,192.90		
3	3	3	3	3	3	3	4,033.07	3	3,727.41	3	3,419.95	3	3,112.50	3	2,804.17	3	2,495.32	3	2,186.47		
1/4		1/4		1/4		1/4	4,026.78	1/4	3,721.00	1/4	3,413.55	1/4	3,106.09	1/4	2,797.74	1/4	2,488.88	1/4	2,180.03		
1/2		1/2		1/2		1/2	4,020.48	1/2	3,714.60	1/2	3,407.14	1/2	3,099.69	1/2	2,791.30	1/2	2,482.45	1/2	2,173.60		
3/4		3/4		3/4		3/4	4,014.18	3/4	3,708.19	3/4	3,400.74	3/4	3,093.28	3/4	2,784.87	3/4	2,476.02	3/4	2,167.16		
4	4	4	4	4	4	4	4,007.87	4	3,701.78	4	3,394.33	4	3,086.88	4	2,778.43	4	2,469.58	4	2,160.73		
1/4		1/4		1/4		1/4	4,001.56	1/4	3,695.38	1/4	3,387.92	1/4	3,080.47	1/4	2,772.00	1/4	2,463.15	1/4	2,154.30		
1/2		1/2		1/2		1/2	3,995.25	1/2	3,688.97	1/2	3,381.52	1/2	3,074.07	1/2	2,765.56	1/2	2,456.71	1/2	2,147.86		
3/4		3/4		3/4		3/4	3,988.94	3/4	3,682.57	3/4	3,375.11	3/4	3,067.66	3/4	2,759.13	3/4	2,450.28	3/4	2,141.43		
5	5	5	5	5	5	5	3,982.63	5	3,676.16	5	3,368.71	5	3,061.25	5	2,752.69	5	2,443.84	5	2,134.99		
1/4		1/4		1/4		1/4	3,976.32	1/4	3,669.76	1/4	3,362.30	1/4	3,054.85	1/4	2,746.26	1/4	2,437.41	1/4	2,128.56		
1/2		1/2		1/2		1/2	3,970.01	1/2	3,663.35	1/2	3,355.90	1/2	3,048.44	1/2	2,739.83	1/2	2,430.97	1/2	2,122.12		
3/4		3/4		3/4		3/4	3,963.70	3/4	3,656.95	3/4	3,349.49	3/4	3,042.04	3/4	2,733.39	3/4	2,424.54	3/4	2,115.69		
6	6	6	6	6	6	6	3,957.40	6	3,650.54	6	3,343.09	6	3,035.63	6	2,726.96	6	2,418.11	6	2,109.25		
1/4		1/4		1/4		1/4	3,951.09	1/4	3,644.14	1/4	3,336.68	1/4	3,029.23	1/4	2,720.52	1/4	2,411.67	1/4	2,102.82		
1/2		1/2		1/2		1/2	3,944.79	1/2	3,637.73	1/2	3,330.28	1/2	3,022.82	1/2	2,714.09	1/2	2,405.24	1/2	2,096.39		
3/4		3/4		3/4		3/4	3,938.48	3/4	3,631.33	3/4	3,323.87	3/4	3,016.42	3/4	2,707.65	3/4	2,398.80	3/4	2,089.95		
7	7	7	7	7	7	7	3,932.18	7	3,624.92	7	3,317.47	7	3,010.01	7	2,701.22	7	2,392.37	7	2,083.52		
1/4		1/4		1/4		1/4	3,925.87	1/4	3,618.52	1/4	3,311.06	1/4	3,003.61	1/4	2,694.78	1/4	2,385.93	1/4	2,077.08		
1/2		1/2		1/2		1/2	3,919.56	1/2	3,612.11	1/2	3,304.66	1/2	2,997.20	1/2	2,688.35	1/2	2,379.50	1/2	2,070.65		
3/4		3/4		3/4		3/4	3,913.16	3/4	3,605.71	3/4	3,298.25	3/4	2,990.77	3/4	2,681.92	3/4	2,373.06	3/4	2,064.21		
8	8	8	8	8	8	8	3,906.75	8	3,599.30	8	3,291.85	8	2,984.33	8	2,675.48	8	2,366.63	8	2,057.78		
1/4		1/4		1/4		1/4	3,900.35	1/4	3,592.89	1/4	3,285.44	1/4	2,977.90	1/4	2,669.05	1/4	2,360.20	1/4	2,051.34		
1/2		1/2		1/2		1/2	3,893.94	1/2	3,586.49	1/2	3,279.03	1/2	2,971.46	1/2	2,662.61	1/2	2,353.76	1/2	2,044.91		
3/4		3/4		3/4		3/4	3,887.54	3/4	3,580.08	3/4	3,272.63	3/4	2,965.03	3/4	2,656.18	3/4	2,347.33	3/4	2,038.48		
9	9	9	9	9	9	9	3,881.13	9	3,573.68	9	3,266.22	9	2,958.60	9	2,649.74	9	2,340.89	9	2,032.04		
1/4		1/4		1/4		1/4	3,874.73	1/4	3,567.27	1/4	3,259.82	1/4	2,952.16	1/4	2,643.31	1/4	2,334.46	1/4	2,025.61		
1/2		1/2		1/2		1/2	3,868.32	1/2	3,560.87	1/2	3,253.41	1/2	2,945.73	1/2	2,636.88	1/2	2,328.02	1/2	2,019.17		
3/4		3/4		3/4		3/4	3,861.92	3/4	3,554.46	3/4	3,247.01	3/4	2,939.29	3/4	2,630.44	3/4	2,321.59	3/4	2,012.74		
10	10	10	10	10	10	10	3,855.51	10	3,548.06	10	3,240.60	10	2,932.86	10	2,624.01	10	2,315.16	10	2,006.30		
1/4		1/4		1/4		1/4	3,849.11	1/4	3,541.65	1/4	3,234.20	1/4	2,926.42	1/4	2,617.57	1/4	2,308.72	1/4	1,999.87		
1/2		1/2		1/2		1/2	3,842.70	1/2	3,535.25	1/2	3,227.79	1/2	2,919.99	1/2	2,611.14	1/2	2,302.29	1/2	1,993.44		
3/4		3/4		3/4		3/4	3,836.30	3/4	3,528.84	3/4	3,221.39	3/4	2,913.55	3/4	2,604.70	3/4	2,295.85	3/4	1,987.00		
11	11	11	11	11	11	11	4,107.17	11	3,829.89	11	3,522.44	11	3,214.98	11	2,907.12	11	2,289.42	11	1,980.57		
1/4		1/4		1/4		1/4	4,106.10	1/4	3,823.49	1/4	3,516.03	1/4	3,208.58	1/4	2,900.69	1/4	2,282.98	1/4	1,974.13		
1/2		1/2		1/2		1/2	4,105.02	1/2	3,817.08	1/2	3,509.63	1/2	3,202.17	1/2	2,894.25	1/2	2,276.55	1/2	1,967.70		
3/4		3/4		3/4		3/4	4,101.80	3/4	3,810.67	3/4	3,503.22	3/4	3,195.77	3/4	2,887.82	3/4	2,270.11	3/4	1,961.26		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 32'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

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BARGE "KIRBY 11020B"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	1,954.83	0	1,645.97	0	1,336.95	0	1,028.87	0	720.54	0	411.54	0	102.73	0		0		0	
1/4	1,948.39	1/4	1,639.53	1/4	1,330.51	1/4	1,022.47	1/4	714.10	1/4	405.10	1/4	96.33	1/4	1/4	1/4		1/4	
1/2	1,941.96	1/2	1,633.09	1/2	1,324.07	1/2	1,016.07	1/2	707.67	1/2	398.67	1/2	89.94	1/2	1/2	1/2		1/2	
3/4	1,935.53	3/4	1,626.66	3/4	1,317.63	3/4	1,009.67	3/4	701.23	3/4	392.23	3/4	83.57	3/4	3/4	3/4		3/4	
1	1,929.09	1	1,620.22	1	1,311.19	1	1,003.27	1	694.79	1	385.79	1	77.21	1	1	1		1	
1/4	1,922.66	1/4	1,613.78	1/4	1,304.76	1/4	996.86	1/4	688.35	1/4	379.35	1/4	70.85	1/4	1/4	1/4		1/4	
1/2	1,916.22	1/2	1,607.34	1/2	1,298.32	1/2	990.46	1/2	681.92	1/2	372.92	1/2	64.48	1/2	1/2	1/2		1/2	
3/4	1,909.79	3/4	1,600.90	3/4	1,291.88	3/4	984.06	3/4	675.48	3/4	366.48	3/4	58.18	3/4	3/4	3/4		3/4	
2	1,903.35	2	1,594.47	2	1,285.44	2	977.66	2	669.04	2	360.04	2	51.87	2	2	2		2	
1/4	1,896.92	1/4	1,588.03	1/4	1,279.00	1/4	971.26	1/4	662.60	1/4	353.60	1/4	45.57	1/4	1/4	1/4		1/4	
1/2	1,890.48	1/2	1,581.59	1/2	1,272.57	1/2	964.86	1/2	656.17	1/2	347.17	1/2	39.27	1/2	1/2	1/2		1/2	
3/4	1,884.05	3/4	1,575.15	3/4	1,266.13	3/4	958.46	3/4	649.73	3/4	340.73	3/4	33.91	3/4	3/4	3/4		3/4	
3	1,877.62	3	1,568.71	3	1,259.69	3	952.06	3	643.29	3	334.29	3	28.55	3	3	3		3	
1/4	1,871.18	1/4	1,562.28	1/4	1,253.25	1/4	945.67	1/4	636.85	1/4	327.85	1/4	23.20	1/4	1/4	1/4		1/4	
1/2	1,864.75	1/2	1,555.84	1/2	1,246.81	1/2	939.27	1/2	630.42	1/2	321.42	1/2	17.84	1/2	1/2	1/2		1/2	
3/4	1,858.31	3/4	1,549.40	3/4	1,240.38	3/4	932.84	3/4	623.98	3/4	314.98	3/4	14.63	3/4	3/4	3/4		3/4	
4	1,851.88	4	1,542.96	4	1,233.94	4	926.41	4	617.54	4	308.54	4	11.41	4	4	4		4	
1/4	1,845.44	1/4	1,536.52	1/4	1,227.50	1/4	919.97	1/4	611.10	1/4	302.10	1/4	8.19	1/4	1/4	1/4		1/4	
1/2	1,839.01	1/2	1,530.09	1/2	1,221.06	1/2	913.54	1/2	604.67	1/2	295.67	1/2	4.97	1/2	1/2	1/2		1/2	
3/4	1,832.58	3/4	1,523.65	3/4	1,214.62	3/4	907.11	3/4	598.23	3/4	289.23	3/4	3.90	3/4	3/4	3/4		3/4	
5	1,826.14	5	1,517.21	5	1,208.19	5	900.68	5	591.79	5	282.79	5	2.82	5	5	5		5	
1/4	1,819.71	1/4	1,510.77	1/4	1,201.75	1/4	894.24	1/4	585.35	1/4	276.35	1/4	1.75	1/4	1/4	1/4		1/4	
1/2	1,813.27	1/2	1,504.33	1/2	1,195.31	1/2	887.81	1/2	578.92	1/2	269.92	1/2	0.68	1/2	1/2	1/2		1/2	
3/4	1,806.84	3/4	1,497.90	3/4	1,188.91	3/4	881.38	3/4	572.48	3/4	263.48	3/4		3/4	3/4	3/4		3/4	
6	1,800.40	6	1,491.46	6	1,182.51	6	874.95	6	566.04	6	257.04	6		6	6	6		6	
1/4	1,793.97	1/4	1,485.02	1/4	1,176.11	1/4	868.51	1/4	559.60	1/4	250.60	1/4		1/4	1/4	1/4		1/4	
1/2	1,787.53	1/2	1,478.58	1/2	1,169.70	1/2	862.08	1/2	553.17	1/2	244.17	1/2		1/2	1/2	1/2		1/2	
3/4	1,781.10	3/4	1,472.14	3/4	1,163.30	3/4	855.65	3/4	546.73	3/4	237.73	3/4		3/4	3/4	3/4		3/4	
7	1,774.67	7	1,465.71	7	1,156.90	7	849.22	7	540.29	7	231.29	7		7	7	7		7	
1/4	1,768.23	1/4	1,459.27	1/4	1,150.50	1/4	842.78	1/4	533.85	1/4	224.85	1/4		1/4	1/4	1/4		1/4	
1/2	1,761.80	1/2	1,452.83	1/2	1,144.10	1/2	836.35	1/2	527.42	1/2	218.42	1/2		1/2	1/2	1/2		1/2	
3/4	1,755.36	3/4	1,446.39	3/4	1,137.70	3/4	829.92	3/4	520.98	3/4	211.98	3/4		3/4	3/4	3/4		3/4	
8	1,748.93	8	1,439.95	8	1,131.30	8	823.49	8	514.54	8	205.54	8		8	8	8		8	
1/4	1,742.49	1/4	1,433.52	1/4	1,124.89	1/4	817.05	1/4	508.10	1/4	199.10	1/4		1/4	1/4	1/4		1/4	
1/2	1,736.06	1/2	1,427.08	1/2	1,118.49	1/2	810.62	1/2	501.67	1/2	192.67	1/2		1/2	1/2	1/2		1/2	
3/4	1,729.62	3/4	1,420.64	3/4	1,112.09	3/4	804.19	3/4	495.23	3/4	186.23	3/4		3/4	3/4	3/4		3/4	
9	1,723.19	9	1,414.20	9	1,105.69	9	797.75	9	488.79	9	179.79	9		9	9	9		9	
1/4	1,716.76	1/4	1,407.76	1/4	1,099.29	1/4	791.32	1/4	482.35	1/4	173.36	1/4		1/4	1/4	1/4		1/4	
1/2	1,710.32	1/2	1,401.33	1/2	1,092.89	1/2	784.89	1/2	475.92	1/2	166.92	1/2		1/2	1/2	1/2		1/2	
3/4	1,703.89	3/4	1,394.89	3/4	1,086.48	3/4	778.46	3/4	469.48	3/4	160.49	3/4		3/4	3/4	3/4		3/4	
10	1,697.45	10	1,388.45	10	1,080.08	10	772.03	10	463.04	10	154.06	10		10	10	10		10	
1/4	1,691.02	1/4	1,382.01	1/4	1,073.68	1/4	765.59	1/4	456.60	1/4	147.63	1/4		1/4	1/4	1/4		1/4	
1/2	1,684.58	1/2	1,375.57	1/2	1,067.28	1/2	759.16	1/2	450.17	1/2	141.19	1/2		1/2	1/2	1/2		1/2	
3/4	1,678.15	3/4	1,369.14	3/4	1,060.88	3/4	752.73	3/4	443.73	3/4	134.78	3/4		3/4	3/4	3/4		3/4	
11	1,671.72	11	1,362.70	11	1,054.48	11	746.29	11	437.29	11	128.36	11		11	11	11		11	
1/4	1,665.28	1/4	1,356.26	1/4	1,048.08	1/4	739.85	1/4	430.85	1/4	121.94	1/4		1/4	1/4	1/4		1/4	
1/2	1,658.85	1/2	1,349.82	1/2	1,041.67	1/2	733.41	1/2	424.42	1/2	115.52	1/2		1/2	1/2	1/2		1/2	
3/4	1,652.41	3/4	1,343.38	3/4	1,035.27	3/4	726.98	3/4	417.98	3/4	109.13	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/01/2010 CL
CALCULATED: 06/02/2010 CL
PRINTED: 06/02/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2010

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



BARGE "KIRBY 11020B"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	3,926.47	0	3,647.61	0	3,353.00	0	3,058.40	0	2,763.30	0	2,467.31	0	2,171.32
1/4		1/4		1/4		1/4	3,923.38	1/4	3,641.47	1/4	3,346.86	1/4	3,052.26	1/4	2,757.13	1/4	2,461.14	1/4	2,165.15
1/2		1/2		1/2		1/2	3,920.30	1/2	3,635.33	1/2	3,340.73	1/2	3,046.12	1/2	2,750.97	1/2	2,454.98	1/2	2,158.98
3/4		3/4		3/4		3/4	3,917.21	3/4	3,629.19	3/4	3,334.59	3/4	3,039.98	3/4	2,744.80	3/4	2,448.81	3/4	2,152.82
1		1		1		1	3,912.07	1	3,623.06	1	3,328.45	1	3,033.85	1	2,738.63	1	2,442.64	1	2,146.65
1/4		1/4		1/4		1/4	3,906.93	1/4	3,616.92	1/4	3,322.31	1/4	3,027.71	1/4	2,732.47	1/4	2,436.48	1/4	2,140.48
1/2		1/2		1/2		1/2	3,901.79	1/2	3,610.78	1/2	3,316.18	1/2	3,021.57	1/2	2,726.30	1/2	2,430.31	1/2	2,134.32
3/4		3/4		3/4		3/4	3,896.65	3/4	3,604.64	3/4	3,310.04	3/4	3,015.43	3/4	2,720.13	3/4	2,424.14	3/4	2,128.15
2		2		2		2	3,890.66	2	3,598.50	2	3,303.90	2	3,009.30	2	2,713.97	2	2,417.98	2	2,121.98
1/4		1/4		1/4		1/4	3,884.67	1/4	3,592.37	1/4	3,297.76	1/4	3,003.16	1/4	2,707.80	1/4	2,411.81	1/4	2,115.82
1/2		1/2		1/2		1/2	3,878.68	1/2	3,586.23	1/2	3,291.62	1/2	2,997.02	1/2	2,701.64	1/2	2,405.64	1/2	2,109.65
3/4		3/4		3/4		3/4	3,872.68	3/4	3,580.09	3/4	3,285.49	3/4	2,990.88	3/4	2,695.47	3/4	2,399.48	3/4	2,103.48
3		3		3		3	3,866.66	3	3,573.95	3	3,279.35	3	2,984.74	3	2,689.30	3	2,393.31	3	2,097.32
1/4		1/4		1/4		1/4	3,860.63	1/4	3,567.82	1/4	3,273.21	1/4	2,978.61	1/4	2,683.14	1/4	2,387.14	1/4	2,091.15
1/2		1/2		1/2		1/2	3,854.60	1/2	3,561.68	1/2	3,267.07	1/2	2,972.47	1/2	2,676.97	1/2	2,380.98	1/2	2,084.99
3/4		3/4		3/4		3/4	3,848.57	3/4	3,555.54	3/4	3,260.94	3/4	2,966.33	3/4	2,670.80	3/4	2,374.81	3/4	2,078.82
4		4		4		4	3,842.54	4	3,549.40	4	3,254.80	4	2,960.19	4	2,664.64	4	2,368.64	4	2,072.65
1/4		1/4		1/4		1/4	3,836.50	1/4	3,543.27	1/4	3,248.66	1/4	2,954.06	1/4	2,658.47	1/4	2,362.48	1/4	2,066.49
1/2		1/2		1/2		1/2	3,830.46	1/2	3,537.13	1/2	3,242.52	1/2	2,947.92	1/2	2,652.30	1/2	2,356.31	1/2	2,060.32
3/4		3/4		3/4		3/4	3,824.42	3/4	3,530.99	3/4	3,236.39	3/4	2,941.78	3/4	2,646.14	3/4	2,350.14	3/4	2,054.15
5		5		5		5	3,818.38	5	3,524.85	5	3,230.25	5	2,935.64	5	2,639.97	5	2,343.98	5	2,047.99
1/4		1/4		1/4		1/4	3,812.34	1/4	3,518.72	1/4	3,224.11	1/4	2,929.51	1/4	2,633.80	1/4	2,337.81	1/4	2,041.82
1/2		1/2		1/2		1/2	3,806.30	1/2	3,512.58	1/2	3,217.97	1/2	2,923.37	1/2	2,627.64	1/2	2,331.65	1/2	2,035.65
3/4		3/4		3/4		3/4	3,800.25	3/4	3,506.44	3/4	3,211.84	3/4	2,917.23	3/4	2,621.47	3/4	2,325.48	3/4	2,029.49
6		6		6		6	3,794.21	6	3,500.30	6	3,205.70	6	2,911.09	6	2,615.30	6	2,319.31	6	2,023.32
1/4		1/4		1/4		1/4	3,788.18	1/4	3,494.17	1/4	3,199.56	1/4	2,904.96	1/4	2,609.14	1/4	2,313.15	1/4	2,017.15
1/2		1/2		1/2		1/2	3,782.14	1/2	3,488.03	1/2	3,193.42	1/2	2,898.82	1/2	2,602.97	1/2	2,306.98	1/2	2,010.99
3/4		3/4		3/4		3/4	3,776.10	3/4	3,481.89	3/4	3,187.29	3/4	2,892.68	3/4	2,596.80	3/4	2,300.81	3/4	2,004.82
7		7		7		7	3,770.06	7	3,475.75	7	3,181.15	7	2,886.54	7	2,590.64	7	2,294.65	7	1,998.65
1/4		1/4		1/4		1/4	3,764.02	1/4	3,469.62	1/4	3,175.01	1/4	2,880.41	1/4	2,584.47	1/4	2,288.48	1/4	1,992.49
1/2		1/2		1/2		1/2	3,757.98	1/2	3,463.48	1/2	3,168.87	1/2	2,874.27	1/2	2,578.31	1/2	2,282.31	1/2	1,986.32
3/4		3/4		3/4		3/4	3,751.94	3/4	3,457.34	3/4	3,162.74	3/4	2,868.13	3/4	2,572.14	3/4	2,276.15	3/4	1,980.15
8		8		8		8	3,745.81	8	3,451.20	8	3,156.60	8	2,861.96	8	2,565.97	8	2,269.98	8	1,973.99
1/4		1/4		1/4		1/4	3,739.67	1/4	3,445.06	1/4	3,150.46	1/4	2,855.80	1/4	2,559.81	1/4	2,263.81	1/4	1,967.82
1/2		1/2		1/2		1/2	3,733.53	1/2	3,438.93	1/2	3,144.32	1/2	2,849.63	1/2	2,553.64	1/2	2,257.65	1/2	1,961.66
3/4		3/4		3/4		3/4	3,727.39	3/4	3,432.79	3/4	3,138.18	3/4	2,843.46	3/4	2,547.47	3/4	2,251.48	3/4	1,955.49
9		9		9		9	3,721.26	9	3,426.65	9	3,132.05	9	2,837.30	9	2,541.31	9	2,245.31	9	1,949.32
1/4		1/4		1/4		1/4	3,715.12	1/4	3,420.51	1/4	3,125.91	1/4	2,831.13	1/4	2,535.14	1/4	2,239.15	1/4	1,943.16
1/2		1/2		1/2		1/2	3,708.98	1/2	3,414.38	1/2	3,119.77	1/2	2,824.97	1/2	2,528.97	1/2	2,232.98	1/2	1,936.99
3/4		3/4		3/4		3/4	3,702.84	3/4	3,408.24	3/4	3,113.63	3/4	2,818.80	3/4	2,522.81	3/4	2,226.81	3/4	1,930.82
10		10		10		10	3,696.71	10	3,402.10	10	3,107.50	10	2,812.63	10	2,516.64	10	2,220.65	10	1,924.66
1/4		1/4		1/4		1/4	3,690.57	1/4	3,395.96	1/4	3,101.36	1/4	2,806.47	1/4	2,510.47	1/4	2,214.48	1/4	1,918.49
1/2		1/2		1/2		1/2	3,684.43	1/2	3,389.83	1/2	3,095.22	1/2	2,800.30	1/2	2,504.31	1/2	2,208.32	1/2	1,912.32
3/4		3/4		3/4		3/4	3,678.29	3/4	3,383.69	3/4	3,089.08	3/4	2,794.13	3/4	2,498.14	3/4	2,202.15	3/4	1,906.16
11		11		11		11	3,672.16	11	3,377.55	11	3,082.95	11	2,787.97	11	2,491.97	11	2,195.98	11	1,899.99
1/4		1/4		1/4	3,931.61	1/4	3,666.02	1/4	3,371.41	1/4	3,076.81	1/4	2,781.80	1/4	2,485.81	1/4	2,189.82	1/4	1,893.82
1/2		1/2		1/2	3,930.58	1/2	3,659.88	1/2	3,365.28	1/2	3,070.67	1/2	2,775.63	1/2	2,479.64	1/2	2,183.65	1/2	1,887.66
3/4		3/4		3/4	3,929.55	3/4	3,653.74	3/4	3,359.14	3/4	3,064.53	3/4	2,769.47	3/4	2,473.47	3/4	2,177.48	3/4	1,881.49

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 32'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 11020B"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,875.32	0	1,579.33	0	1,283.15	0	988.93	0	696.77	0	400.62	0	104.61	0		0		0	
1/4	1,869.16	1/4	1,573.16	1/4	1,276.98	1/4	982.85	1/4	690.60	1/4	394.45	1/4	98.48	1/4	1/4	1/4		1/4	
1/2	1,862.99	1/2	1,566.99	1/2	1,270.81	1/2	976.76	1/2	684.43	1/2	388.28	1/2	92.35	1/2	1/2	1/2		1/2	
3/4	1,856.82	3/4	1,560.82	3/4	1,264.64	3/4	970.68	3/4	678.26	3/4	382.11	3/4	86.22	3/4	3/4	3/4		3/4	
1	1,850.66	1	1,554.65	1	1,258.47	1	964.59	1	672.09	1	375.94	1	80.12	1	1	1		1	
1/4	1,844.49	1/4	1,548.48	1/4	1,252.30	1/4	958.51	1/4	665.92	1/4	369.77	1/4	74.02	1/4	1/4	1/4		1/4	
1/2	1,838.33	1/2	1,542.31	1/2	1,246.13	1/2	952.42	1/2	659.75	1/2	363.60	1/2	67.93	1/2	1/2	1/2		1/2	
3/4	1,832.16	3/4	1,536.14	3/4	1,239.96	3/4	946.34	3/4	653.58	3/4	357.43	3/4	61.83	3/4	3/4	3/4		3/4	
2	1,825.99	2	1,529.97	2	1,233.79	2	940.25	2	647.41	2	351.26	2	55.79	2	2	2		2	
1/4	1,819.83	1/4	1,523.80	1/4	1,227.62	1/4	934.17	1/4	641.24	1/4	345.09	1/4	49.74	1/4	1/4	1/4		1/4	
1/2	1,813.66	1/2	1,517.63	1/2	1,221.45	1/2	928.08	1/2	635.07	1/2	338.92	1/2	43.70	1/2	1/2	1/2		1/2	
3/4	1,807.49	3/4	1,511.45	3/4	1,215.28	3/4	921.99	3/4	628.90	3/4	332.75	3/4	37.66	3/4	3/4	3/4		3/4	
3	1,801.33	3	1,505.28	3	1,209.11	3	915.91	3	622.73	3	326.58	3	32.53	3	3	3		3	
1/4	1,795.16	1/4	1,499.11	1/4	1,202.94	1/4	909.83	1/4	616.56	1/4	320.41	1/4	27.39	1/4	1/4	1/4		1/4	
1/2	1,788.99	1/2	1,492.94	1/2	1,196.77	1/2	903.75	1/2	610.39	1/2	314.24	1/2	22.26	1/2	1/2	1/2		1/2	
3/4	1,782.83	3/4	1,486.77	3/4	1,190.60	3/4	897.67	3/4	604.22	3/4	308.07	3/4	17.13	3/4	3/4	3/4		3/4	
4	1,776.66	4	1,480.60	4	1,184.43	4	891.59	4	598.05	4	301.90	4	14.04	4	4	4		4	
1/4	1,770.49	1/4	1,474.43	1/4	1,178.26	1/4	885.51	1/4	591.88	1/4	295.73	1/4	10.96	1/4	1/4	1/4		1/4	
1/2	1,764.33	1/2	1,468.26	1/2	1,172.09	1/2	879.43	1/2	585.71	1/2	289.56	1/2	7.88	1/2	1/2	1/2		1/2	
3/4	1,758.16	3/4	1,462.09	3/4	1,165.92	3/4	873.35	3/4	579.54	3/4	283.39	3/4	4.79	3/4	3/4	3/4		3/4	
5	1,751.99	5	1,455.92	5	1,159.75	5	867.27	5	573.37	5	277.22	5	3.76	5	5	5		5	
1/4	1,745.83	1/4	1,449.75	1/4	1,153.58	1/4	861.19	1/4	567.20	1/4	271.05	1/4	2.73	1/4	1/4	1/4		1/4	
1/2	1,739.66	1/2	1,443.58	1/2	1,147.41	1/2	855.11	1/2	561.04	1/2	264.88	1/2	1.71	1/2	1/2	1/2		1/2	
3/4	1,733.49	3/4	1,437.41	3/4	1,141.24	3/4	849.03	3/4	554.87	3/4	258.71	3/4	0.68	3/4	3/4	3/4		3/4	
6	1,727.33	6	1,431.24	6	1,135.11	6	842.95	6	548.70	6	252.55	6		6	6	6		6	
1/4	1,721.16	1/4	1,425.07	1/4	1,128.98	1/4	836.87	1/4	542.53	1/4	246.38	1/4		1/4	1/4	1/4		1/4	
1/2	1,715.00	1/2	1,418.90	1/2	1,122.86	1/2	830.79	1/2	536.36	1/2	240.21	1/2		1/2	1/2	1/2		1/2	
3/4	1,708.83	3/4	1,412.73	3/4	1,116.73	3/4	824.71	3/4	530.19	3/4	234.04	3/4		3/4	3/4	3/4		3/4	
7	1,702.66	7	1,406.56	7	1,110.64	7	818.63	7	524.02	7	227.87	7		7	7	7		7	
1/4	1,696.50	1/4	1,400.39	1/4	1,104.56	1/4	812.55	1/4	517.85	1/4	221.70	1/4		1/4	1/4	1/4		1/4	
1/2	1,690.33	1/2	1,394.22	1/2	1,098.47	1/2	806.47	1/2	511.68	1/2	215.53	1/2		1/2	1/2	1/2		1/2	
3/4	1,684.16	3/4	1,388.05	3/4	1,092.39	3/4	800.39	3/4	505.51	3/4	209.36	3/4		3/4	3/4	3/4		3/4	
8	1,678.00	8	1,381.88	8	1,086.30	8	794.31	8	499.34	8	203.19	8		8	8	8		8	
1/4	1,671.83	1/4	1,375.71	1/4	1,080.22	1/4	788.23	1/4	493.17	1/4	197.02	1/4		1/4	1/4	1/4		1/4	
1/2	1,665.66	1/2	1,369.54	1/2	1,074.13	1/2	782.15	1/2	487.00	1/2	190.85	1/2		1/2	1/2	1/2		1/2	
3/4	1,659.50	3/4	1,363.37	3/4	1,068.04	3/4	776.07	3/4	480.83	3/4	184.68	3/4		3/4	3/4	3/4		3/4	
9	1,653.33	9	1,357.20	9	1,061.96	9	769.99	9	474.66	9	178.51	9		9	9	9		9	
1/4	1,647.16	1/4	1,351.03	1/4	1,055.87	1/4	763.91	1/4	468.49	1/4	172.34	1/4		1/4	1/4	1/4		1/4	
1/2	1,641.00	1/2	1,344.86	1/2	1,049.79	1/2	757.83	1/2	462.32	1/2	166.17	1/2		1/2	1/2	1/2		1/2	
3/4	1,634.83	3/4	1,338.69	3/4	1,043.70	3/4	751.75	3/4	456.15	3/4	160.00	3/4		3/4	3/4	3/4		3/4	
10	1,628.66	10	1,332.52	10	1,037.62	10	745.68	10	449.98	10	153.84	10		10	10	10		10	
1/4	1,622.50	1/4	1,326.35	1/4	1,031.53	1/4	739.60	1/4	443.81	1/4	147.67	1/4		1/4	1/4	1/4		1/4	
1/2	1,616.33	1/2	1,320.18	1/2	1,025.45	1/2	733.52	1/2	437.64	1/2	141.51	1/2		1/2	1/2	1/2		1/2	
3/4	1,610.16	3/4	1,314.01	3/4	1,019.36	3/4	727.44	3/4	431.47	3/4	135.35	3/4		3/4	3/4	3/4		3/4	
11	1,604.00	11	1,307.84	11	1,013.28	11	721.31	11	425.30	11	129.20	11		11	11	11		11	
1/4	1,597.83	1/4	1,301.66	1/4	1,007.19	1/4	715.19	1/4	419.13	1/4	123.05	1/4		1/4	1/4	1/4		1/4	
1/2	1,591.67	1/2	1,295.49	1/2	1,001.11	1/2	709.06	1/2	412.96	1/2	116.89	1/2		1/2	1/2	1/2		1/2	
3/4	1,585.50	3/4	1,289.32	3/4	995.02	3/4	702.93	3/4	406.79	3/4	110.74	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/01/2010 CL
CALCULATED: 06/02/2010 CL
PRINTED: 06/02/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2010

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 11020B"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	3,531.31	0	3,336.07	0	3,141.81	0	2,947.54	0	2,730.35	0	2,437.35	0	2,143.74		
1/4		1/4		1/4		1/4	3,528.24	1/4	3,332.02	1/4	3,137.76	1/4	2,943.49	1/4	2,724.25	1/4	2,431.24	1/4	2,137.63		
1/2		1/2		1/2		1/2	3,523.12	1/2	3,327.98	1/2	3,133.71	1/2	2,939.45	1/2	2,718.15	1/2	2,425.12	1/2	2,131.51		
3/4		3/4		3/4		3/4	3,518.01	3/4	3,323.93	3/4	3,129.66	3/4	2,935.40	3/4	2,712.05	3/4	2,419.00	3/4	2,125.39		
1		1		1		1	3,512.89	1	3,319.88	1	3,125.62	1	2,931.35	1	2,705.96	1	2,412.89	1	2,119.28		
1/4		1/4		1/4		1/4	3,507.77	1/4	3,315.83	1/4	3,121.57	1/4	2,927.30	1/4	2,699.86	1/4	2,406.77	1/4	2,113.16		
1/2		1/2		1/2		1/2	3,503.86	1/2	3,311.79	1/2	3,117.52	1/2	2,923.26	1/2	2,693.76	1/2	2,400.65	1/2	2,107.04		
3/4		3/4		3/4		3/4	3,499.95	3/4	3,307.74	3/4	3,113.47	3/4	2,919.21	3/4	2,687.66	3/4	2,394.54	3/4	2,100.93		
2		2		2		2	3,496.04	2	3,303.69	2	3,109.43	2	2,915.16	2	2,681.56	2	2,388.42	2	2,094.81		
1/4		1/4		1/4		1/4	3,492.12	1/4	3,299.65	1/4	3,105.38	1/4	2,911.11	1/4	2,675.47	1/4	2,382.30	1/4	2,088.69		
1/2		1/2		1/2		1/2	3,488.17	1/2	3,295.60	1/2	3,101.33	1/2	2,907.07	1/2	2,669.37	1/2	2,376.19	1/2	2,082.57		
3/4		3/4		3/4		3/4	3,484.23	3/4	3,291.55	3/4	3,097.29	3/4	2,903.02	3/4	2,663.27	3/4	2,370.07	3/4	2,076.46		
3		3		3		3	3,480.28	3	3,287.50	3	3,093.24	3	2,898.97	3	2,657.17	3	2,363.95	3	2,070.34		
1/4		1/4		1/4		1/4	3,476.33	1/4	3,283.46	1/4	3,089.19	1/4	2,894.93	1/4	2,651.07	1/4	2,357.84	1/4	2,064.22		
1/2		1/2		1/2		1/2	3,472.37	1/2	3,279.41	1/2	3,085.14	1/2	2,890.88	1/2	2,644.97	1/2	2,351.72	1/2	2,058.11		
3/4		3/4		3/4		3/4	3,468.41	3/4	3,275.36	3/4	3,081.10	3/4	2,886.83	3/4	2,638.88	3/4	2,345.60	3/4	2,051.99		
4		4		4		4	3,464.45	4	3,271.32	4	3,077.05	4	2,882.78	4	2,632.78	4	2,339.48	4	2,045.87		
1/4		1/4		1/4		1/4	3,460.49	1/4	3,267.27	1/4	3,073.00	1/4	2,878.74	1/4	2,626.68	1/4	2,333.37	1/4	2,039.76		
1/2		1/2		1/2		1/2	3,456.52	1/2	3,263.22	1/2	3,068.96	1/2	2,874.69	1/2	2,620.58	1/2	2,327.25	1/2	2,033.64		
3/4		3/4		3/4		3/4	3,452.56	3/4	3,259.17	3/4	3,064.91	3/4	2,870.64	3/4	2,614.48	3/4	2,321.13	3/4	2,027.52		
5		5		5		5	3,448.60	5	3,255.13	5	3,060.86	5	2,866.60	5	2,608.39	5	2,315.02	5	2,021.41		
1/4		1/4		1/4		1/4	3,444.64	1/4	3,251.08	1/4	3,056.81	1/4	2,862.55	1/4	2,602.29	1/4	2,308.90	1/4	2,015.29		
1/2		1/2		1/2		1/2	3,440.68	1/2	3,247.03	1/2	3,052.77	1/2	2,858.50	1/2	2,596.19	1/2	2,302.78	1/2	2,009.17		
3/4		3/4		3/4		3/4	3,436.72	3/4	3,242.99	3/4	3,048.72	3/4	2,854.45	3/4	2,590.09	3/4	2,296.67	3/4	2,003.06		
6		6		6		6	3,432.76	6	3,238.94	6	3,044.67	6	2,850.41	6	2,583.99	6	2,290.55	6	1,996.94		
1/4		1/4		1/4		1/4	3,428.80	1/4	3,234.89	1/4	3,040.63	1/4	2,846.36	1/4	2,577.89	1/4	2,284.43	1/4	1,990.82		
1/2		1/2		1/2		1/2	3,424.84	1/2	3,230.84	1/2	3,036.58	1/2	2,842.31	1/2	2,571.80	1/2	2,278.32	1/2	1,984.70		
3/4		3/4		3/4		3/4	3,420.89	3/4	3,226.80	3/4	3,032.53	3/4	2,838.27	3/4	2,565.70	3/4	2,272.20	3/4	1,978.59		
7		7		7		7	3,416.93	7	3,222.75	7	3,028.48	7	2,834.22	7	2,559.60	7	2,266.08	7	1,972.47		
1/4		1/4		1/4		1/4	3,412.97	1/4	3,218.70	1/4	3,024.44	1/4	2,830.17	1/4	2,553.50	1/4	2,259.96	1/4	1,966.35		
1/2		1/2		1/2		1/2	3,408.92	1/2	3,214.65	1/2	3,020.39	1/2	2,826.10	1/2	2,547.40	1/2	2,253.85	1/2	1,960.24		
3/4		3/4		3/4		3/4	3,404.87	3/4	3,210.61	3/4	3,016.34	3/4	2,822.03	3/4	2,541.30	3/4	2,247.73	3/4	1,954.12		
8		8		8		8	3,400.83	8	3,206.56	8	3,012.29	8	2,817.95	8	2,535.21	8	2,241.61	8	1,948.00		
1/4		1/4		1/4		1/4	3,396.78	1/4	3,202.51	1/4	3,008.25	1/4	2,813.88	1/4	2,529.11	1/4	2,235.50	1/4	1,941.89		
1/2		1/2		1/2		1/2	3,392.73	1/2	3,198.47	1/2	3,004.20	1/2	2,809.81	1/2	2,522.99	1/2	2,229.38	1/2	1,935.77		
3/4		3/4		3/4		3/4	3,388.68	3/4	3,194.42	3/4	3,000.15	3/4	2,805.74	3/4	2,516.87	3/4	2,223.26	3/4	1,929.65		
9		9		9		9	3,384.64	9	3,190.37	9	2,996.11	9	2,801.67	9	2,510.76	9	2,217.15	9	1,923.54		
1/4		1/4		1/4		1/4	3,380.59	1/4	3,186.32	1/4	2,992.06	1/4	2,797.59	1/4	2,504.64	1/4	2,211.03	1/4	1,917.42		
1/2		1/2		1/2		1/2	3,376.54	1/2	3,182.28	1/2	2,988.01	1/2	2,791.45	1/2	2,498.52	1/2	2,204.91	1/2	1,911.30		
3/4		3/4		3/4		3/4	3,372.50	3/4	3,178.23	3/4	2,983.96	3/4	2,785.32	3/4	2,492.41	3/4	2,198.80	3/4	1,905.18		
10		10		10		10	3,368.45	10	3,174.18	10	2,979.92	10	2,779.18	10	2,486.29	10	2,192.68	10	1,899.07		
1/4		1/4		1/4		1/4	3,364.40	1/4	3,170.14	1/4	2,975.87	1/4	2,773.04	1/4	2,480.17	1/4	2,186.56	1/4	1,892.95		
1/2		1/2		1/2		1/2	3,360.35	1/2	3,166.09	1/2	2,971.82	1/2	2,766.94	1/2	2,474.06	1/2	2,180.45	1/2	1,886.83		
3/4		3/4		3/4		3/4	3,542.57	3/4	3,356.31	3/4	3,162.04	3/4	2,967.78	3/4	2,760.84	3/4	2,467.94	3/4	2,174.33	3/4	1,880.72
11		11		11		11	3,541.55	11	3,352.26	11	3,157.99	11	2,963.73	11	2,754.74	11	2,461.82	11	2,168.21	11	1,874.60
1/4		1/4		1/4		1/4	3,540.52	1/4	3,348.21	1/4	3,153.95	1/4	2,959.68	1/4	2,748.64	1/4	2,455.71	1/4	2,162.09	1/4	1,868.48
1/2		1/2		1/2		1/2	3,537.45	1/2	3,344.17	1/2	3,149.90	1/2	2,955.63	1/2	2,742.55	1/2	2,449.59	1/2	2,155.98	1/2	1,862.37
3/4		3/4		3/4		3/4	3,534.38	3/4	3,340.12	3/4	3,145.85	3/4	2,951.59	3/4	2,736.45	3/4	2,443.47	3/4	2,149.86	3/4	1,856.25

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 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 11020B"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	1,850.13		1,556.25		1,262.23		968.21		680.28		386.07		91.93								
1/4	1,844.02	1/4	1,550.13	1/4	1,256.11	1/4	962.09	1/4	674.17	1/4	379.94	1/4	85.83	1/4	1/4	1/4	1/4	1/4	1/4		
1/2	1,837.90	1/2	1,544.00	1/2	1,249.98	1/2	956.02	1/2	668.04	1/2	373.81	1/2	79.76	1/2	1/2	1/2	1/2	1/2	1/2		
3/4	1,831.78	3/4	1,537.87	3/4	1,243.86	3/4	949.96	3/4	661.91	3/4	367.68	3/4	73.69	3/4	3/4	3/4	3/4	3/4	3/4		
1	1,825.66	1	1,531.75	1	1,237.73	1	943.90	1	655.78	1	361.55	1	67.62	1	1	1	1	1	1		
1/4	1,819.55	1/4	1,525.62	1/4	1,231.60	1/4	937.84	1/4	649.65	1/4	355.42	1/4	61.55	1/4	1/4	1/4	1/4	1/4	1/4		
1/2	1,813.43	1/2	1,519.50	1/2	1,225.48	1/2	931.84	1/2	643.52	1/2	349.30	1/2	55.53	1/2	1/2	1/2	1/2	1/2	1/2		
3/4	1,807.31	3/4	1,513.37	3/4	1,219.35	3/4	925.84	3/4	637.39	3/4	343.17	3/4	49.52	3/4	3/4	3/4	3/4	3/4	3/4		
2	1,801.20	2	1,507.25	2	1,213.23	2	919.84	2	631.27	2	337.04	2	43.51	2	2	2	2	2	2		
1/4	1,795.08	1/4	1,501.12	1/4	1,207.10	1/4	913.84	1/4	625.14	1/4	330.91	1/4	37.49	1/4	1/4	1/4	1/4	1/4	1/4		
1/2	1,788.96	1/2	1,495.00	1/2	1,200.98	1/2	907.84	1/2	619.01	1/2	324.78	1/2	32.38	1/2	1/2	1/2	1/2	1/2	1/2		
3/4	1,782.83	3/4	1,488.87	3/4	1,194.85	3/4	901.84	3/4	612.88	3/4	318.65	3/4	27.27	3/4	3/4	3/4	3/4	3/4	3/4		
3	1,776.70	3	1,482.75	3	1,188.73	3	895.85	3	606.75	3	312.52	3	22.16	3	3	3	3	3	3		
1/4	1,770.58	1/4	1,476.62	1/4	1,182.60	1/4	889.85	1/4	600.62	1/4	306.39	1/4	17.05	1/4	1/4	1/4	1/4	1/4	1/4		
1/2	1,764.45	1/2	1,470.50	1/2	1,176.48	1/2	883.86	1/2	594.49	1/2	300.26	1/2	13.98	1/2	1/2	1/2	1/2	1/2	1/2		
3/4	1,758.33	3/4	1,464.37	3/4	1,170.35	3/4	877.88	3/4	588.36	3/4	294.13	3/4	10.91	3/4	3/4	3/4	3/4	3/4	3/4		
4	1,752.20	4	1,458.24	4	1,164.23	4	871.90	4	582.23	4	288.00	4	7.84	4	4	4	4	4	4		
1/4	1,746.08	1/4	1,452.12	1/4	1,158.10	1/4	865.92	1/4	576.10	1/4	281.87	1/4	4.77	1/4	1/4	1/4	1/4	1/4	1/4		
1/2	1,739.95	1/2	1,445.99	1/2	1,151.97	1/2	859.95	1/2	569.97	1/2	275.74	1/2	3.75	1/2	1/2	1/2	1/2	1/2	1/2		
3/4	1,733.83	3/4	1,439.87	3/4	1,145.85	3/4	853.98	3/4	563.84	3/4	269.61	3/4	2.73	3/4	3/4	3/4	3/4	3/4	3/4		
5	1,727.70	5	1,433.74	5	1,139.72	5	848.02	5	557.71	5	263.48	5	1.70	5	5	5	5	5	5		
1/4	1,721.58	1/4	1,427.62	1/4	1,133.60	1/4	842.05	1/4	551.58	1/4	257.35	1/4	0.68	1/4	1/4	1/4	1/4	1/4	1/4		
1/2	1,715.45	1/2	1,421.49	1/2	1,127.47	1/2	836.09	1/2	545.45	1/2	251.22	1/2		1/2	1/2	1/2	1/2	1/2	1/2		
3/4	1,709.33	3/4	1,415.37	3/4	1,121.35	3/4	830.12	3/4	539.32	3/4	245.09	3/4		3/4	3/4	3/4	3/4	3/4	3/4		
6	1,703.21	6	1,409.24	6	1,115.22	6	824.16	6	533.19	6	238.96	6		6	6	6	6	6	6		
1/4	1,697.08	1/4	1,403.12	1/4	1,109.10	1/4	818.19	1/4	527.06	1/4	232.83	1/4		1/4	1/4	1/4	1/4	1/4	1/4		
1/2	1,690.96	1/2	1,396.99	1/2	1,102.97	1/2	812.22	1/2	520.93	1/2	226.70	1/2		1/2	1/2	1/2	1/2	1/2	1/2		
3/4	1,684.84	3/4	1,390.87	3/4	1,096.85	3/4	806.26	3/4	514.80	3/4	220.57	3/4		3/4	3/4	3/4	3/4	3/4	3/4		
7	1,678.71	7	1,384.74	7	1,090.72	7	800.29	7	508.67	7	214.44	7		7	7	7	7	7	7		
1/4	1,672.59	1/4	1,378.61	1/4	1,084.60	1/4	794.33	1/4	502.54	1/4	208.31	1/4		1/4	1/4	1/4	1/4	1/4	1/4		
1/2	1,666.47	1/2	1,372.49	1/2	1,078.47	1/2	788.36	1/2	496.41	1/2	202.18	1/2		1/2	1/2	1/2	1/2	1/2	1/2		
3/4	1,660.35	3/4	1,366.36	3/4	1,072.34	3/4	782.39	3/4	490.28	3/4	196.05	3/4		3/4	3/4	3/4	3/4	3/4	3/4		
8	1,654.22	8	1,360.24	8	1,066.22	8	776.43	8	484.15	8	189.92	8		8	8	8	8	8	8		
1/4	1,648.10	1/4	1,354.11	1/4	1,060.09	1/4	770.46	1/4	478.02	1/4	183.79	1/4		1/4	1/4	1/4	1/4	1/4	1/4		
1/2	1,641.98	1/2	1,347.99	1/2	1,053.97	1/2	764.50	1/2	471.89	1/2	177.66	1/2		1/2	1/2	1/2	1/2	1/2	1/2		
3/4	1,635.85	3/4	1,341.86	3/4	1,047.84	3/4	758.53	3/4	465.76	3/4	171.53	3/4		3/4	3/4	3/4	3/4	3/4	3/4		
9	1,629.73	9	1,335.74	9	1,041.72	9	752.56	9	459.63	9	165.40	9		9	9	9	9	9	9		
1/4	1,623.61	1/4	1,329.61	1/4	1,035.59	1/4	746.60	1/4	453.50	1/4	159.27	1/4		1/4	1/4	1/4	1/4	1/4	1/4		
1/2	1,617.49	1/2	1,323.49	1/2	1,029.47	1/2	740.63	1/2	447.37	1/2	153.14	1/2		1/2	1/2	1/2	1/2	1/2	1/2		
3/4	1,611.36	3/4	1,317.36	3/4	1,023.34	3/4	734.67	3/4	441.24	3/4	147.00	3/4		3/4	3/4	3/4	3/4	3/4	3/4		
10	1,605.24	10	1,311.24	10	1,017.22	10	728.70	10	435.11	10	140.87	10		10	10	10	10	10	10		
1/4	1,599.12	1/4	1,305.11	1/4	1,011.09	1/4	722.73	1/4	428.98	1/4	134.73	1/4		1/4	1/4	1/4	1/4	1/4	1/4		
1/2	1,593.00	1/2	1,298.98	1/2	1,004.97	1/2	716.70	1/2	422.85	1/2	128.61	1/2		1/2	1/2	1/2	1/2	1/2	1/2		
3/4	1,586.87	3/4	1,292.86	3/4	998.84	3/4	710.68	3/4	416.72	3/4	122.49	3/4		3/4	3/4	3/4	3/4	3/4	3/4		
11	1,580.75	11	1,286.73	11	992.71	11	704.65	11	410.59	11	116.36	11		11	11	11	11	11	11		
1/4	1,574.63	1/4	1,280.61	1/4	986.59	1/4	698.62	1/4	404.46	1/4	110.24	1/4		1/4	1/4	1/4	1/4	1/4	1/4		
1/2	1,568.50	1/2	1,274.48	1/2	980.46	1/2	692.50	1/2	398.33	1/2	104.14	1/2		1/2	1/2	1/2	1/2	1/2	1/2		
3/4	1,562.38	3/4	1,268.36	3/4	974.34	3/4	686.39	3/4	392.20	3/4	98.04	3/4		3/4	3/4	3/4	3/4	3/4	3/4		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/01/2010 CL
CALCULATED: 06/02/2010 CL
PRINTED: 06/02/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2010

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