



# BARGE "KIRBY 10080"

## ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4
2 CENTER	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2
3 CENTER	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

**EXAMPLE FOR ABOVE TRIM CORRECTIONS:**

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

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

LENGTH BETWEEN DRAFT MARKS: 163'-06"

February 4, 2010

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

<http://www.pmacorp.net>



# BARGE "KIRBY 10080"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	3,787.21	0	3,554.54	0	3,302.09	0	3,049.65	0	2,791.45	0	2,495.66	0	2,199.16
1/4		1/4		1/4		1/4	3,786.17	1/4	3,549.28	1/4	3,296.83	1/4	3,044.39	1/4	2,785.29	1/4	2,489.48	1/4	2,192.98
1/2		1/2		1/2		1/2	3,785.14	1/2	3,544.02	1/2	3,291.58	1/2	3,039.13	1/2	2,779.14	1/2	2,483.31	1/2	2,186.81
3/4		3/4		3/4		3/4	3,782.04	3/4	3,538.76	3/4	3,286.32	3/4	3,033.87	3/4	2,772.98	3/4	2,477.13	3/4	2,180.63
1		1		1		1	3,778.94	1	3,533.50	1	3,281.06	1	3,028.62	1	2,766.82	1	2,470.95	1	2,174.45
1/4		1/4		1/4		1/4	3,775.83	1/4	3,528.24	1/4	3,275.80	1/4	3,023.36	1/4	2,760.66	1/4	2,464.78	1/4	2,168.28
1/2		1/2		1/2		1/2	3,772.73	1/2	3,522.98	1/2	3,270.54	1/2	3,018.10	1/2	2,754.50	1/2	2,458.60	1/2	2,162.10
3/4		3/4		3/4		3/4	3,767.57	3/4	3,517.72	3/4	3,265.28	3/4	3,012.84	3/4	2,748.34	3/4	2,452.42	3/4	2,155.92
2		2		2		2	3,762.40	2	3,512.46	2	3,260.02	2	3,007.58	2	2,742.18	2	2,446.25	2	2,149.74
1/4		1/4		1/4		1/4	3,757.23	1/4	3,507.20	1/4	3,254.76	1/4	3,002.32	1/4	2,736.03	1/4	2,440.07	1/4	2,143.57
1/2		1/2		1/2		1/2	3,752.07	1/2	3,501.94	1/2	3,249.50	1/2	2,997.06	1/2	2,729.87	1/2	2,433.89	1/2	2,137.39
3/4		3/4		3/4		3/4	3,746.94	3/4	3,496.68	3/4	3,244.24	3/4	2,991.80	3/4	2,723.71	3/4	2,427.71	3/4	2,131.21
3		3		3		3	3,741.82	3	3,491.43	3	3,238.98	3	2,986.54	3	2,717.55	3	2,421.54	3	2,125.04
1/4		1/4		1/4		1/4	3,736.69	1/4	3,486.17	1/4	3,233.72	1/4	2,981.28	1/4	2,711.39	1/4	2,415.36	1/4	2,118.86
1/2		1/2		1/2		1/2	3,731.57	1/2	3,480.91	1/2	3,228.47	1/2	2,976.02	1/2	2,705.23	1/2	2,409.18	1/2	2,112.68
3/4		3/4		3/4		3/4	3,726.41	3/4	3,475.65	3/4	3,223.21	3/4	2,970.76	3/4	2,699.08	3/4	2,403.01	3/4	2,106.50
4		4		4		4	3,721.25	4	3,470.39	4	3,217.95	4	2,965.51	4	2,692.92	4	2,396.83	4	2,100.33
1/4		1/4		1/4		1/4	3,716.09	1/4	3,465.13	1/4	3,212.69	1/4	2,960.25	1/4	2,686.76	1/4	2,390.65	1/4	2,094.15
1/2		1/2		1/2		1/2	3,710.93	1/2	3,459.87	1/2	3,207.43	1/2	2,954.99	1/2	2,680.60	1/2	2,384.47	1/2	2,087.97
3/4		3/4		3/4		3/4	3,705.75	3/4	3,454.61	3/4	3,202.17	3/4	2,949.73	3/4	2,674.44	3/4	2,378.30	3/4	2,081.80
5		5		5		5	3,700.58	5	3,449.35	5	3,196.91	5	2,944.47	5	2,668.28	5	2,372.12	5	2,075.62
1/4		1/4		1/4		1/4	3,695.40	1/4	3,444.09	1/4	3,191.65	1/4	2,939.21	1/4	2,662.13	1/4	2,365.94	1/4	2,069.44
1/2		1/2		1/2		1/2	3,690.23	1/2	3,438.83	1/2	3,186.39	1/2	2,933.95	1/2	2,655.97	1/2	2,359.77	1/2	2,063.26
3/4		3/4		3/4		3/4	3,685.05	3/4	3,433.57	3/4	3,181.13	3/4	2,928.69	3/4	2,649.81	3/4	2,353.59	3/4	2,057.09
6		6		6		6	3,679.88	6	3,428.31	6	3,175.87	6	2,923.43	6	2,643.65	6	2,347.41	6	2,050.91
1/4		1/4		1/4		1/4	3,674.70	1/4	3,423.06	1/4	3,170.61	1/4	2,918.17	1/4	2,637.49	1/4	2,341.23	1/4	2,044.73
1/2		1/2		1/2		1/2	3,669.53	1/2	3,417.80	1/2	3,165.35	1/2	2,912.91	1/2	2,631.33	1/2	2,335.06	1/2	2,038.56
3/4		3/4		3/4		3/4	3,664.36	3/4	3,412.54	3/4	3,160.10	3/4	2,907.65	3/4	2,625.18	3/4	2,328.88	3/4	2,032.38
7		7		7		7	3,659.19	7	3,407.28	7	3,154.84	7	2,902.39	7	2,619.02	7	2,322.70	7	2,026.20
1/4		1/4		1/4		1/4	3,654.02	1/4	3,402.02	1/4	3,149.58	1/4	2,897.14	1/4	2,612.86	1/4	2,316.53	1/4	2,020.03
1/2		1/2		1/2		1/2	3,648.85	1/2	3,396.76	1/2	3,144.32	1/2	2,891.88	1/2	2,606.70	1/2	2,310.35	1/2	2,013.85
3/4		3/4		3/4		3/4	3,643.68	3/4	3,391.50	3/4	3,139.06	3/4	2,886.62	3/4	2,600.54	3/4	2,304.17	3/4	2,007.67
8		8		8		8	3,638.51	8	3,386.24	8	3,133.80	8	2,881.36	8	2,594.38	8	2,297.99	8	2,001.49
1/4		1/4		1/4		1/4	3,633.34	1/4	3,380.98	1/4	3,128.54	1/4	2,876.10	1/4	2,588.22	1/4	2,291.82	1/4	1,995.32
1/2		1/2		1/2		1/2	3,628.16	1/2	3,375.72	1/2	3,123.28	1/2	2,870.84	1/2	2,582.07	1/2	2,285.64	1/2	1,989.14
3/4		3/4		3/4		3/4	3,622.91	3/4	3,370.46	3/4	3,118.02	3/4	2,865.56	3/4	2,575.91	3/4	2,279.46	3/4	1,982.96
9		9		9		9	3,617.65	9	3,365.20	9	3,112.76	9	2,860.27	9	2,569.75	9	2,273.29	9	1,976.79
1/4		1/4		1/4		1/4	3,612.39	1/4	3,359.95	1/4	3,107.50	1/4	2,854.99	1/4	2,563.59	1/4	2,267.11	1/4	1,970.61
1/2		1/2		1/2		1/2	3,607.13	1/2	3,354.69	1/2	3,102.24	1/2	2,849.70	1/2	2,557.43	1/2	2,260.93	1/2	1,964.43
3/4		3/4		3/4		3/4	3,601.87	3/4	3,349.43	3/4	3,096.99	3/4	2,844.42	3/4	2,551.26	3/4	2,254.75	3/4	1,958.25
10		10		10		10	3,596.61	10	3,344.17	10	3,091.73	10	2,839.14	10	2,545.08	10	2,248.58	10	1,952.08
1/4		1/4		1/4		1/4	3,591.35	1/4	3,338.91	1/4	3,086.47	1/4	2,833.85	1/4	2,538.90	1/4	2,242.40	1/4	1,945.90
1/2		1/2		1/2		1/2	3,586.09	1/2	3,333.65	1/2	3,081.21	1/2	2,828.57	1/2	2,532.72	1/2	2,236.22	1/2	1,939.72
3/4		3/4		3/4		3/4	3,580.83	3/4	3,328.39	3/4	3,075.95	3/4	2,822.37	3/4	2,526.55	3/4	2,230.05	3/4	1,933.55
11		11		11		11	3,575.57	11	3,323.13	11	3,070.69	11	2,816.17	11	2,520.37	11	2,223.87	11	1,927.37
1/4		1/4		1/4		1/4	3,570.31	1/4	3,317.87	1/4	3,065.43	1/4	2,809.97	1/4	2,514.19	1/4	2,217.69	1/4	1,921.19
1/2		1/2		1/2		1/2	3,789.27	1/2	3,565.05	1/2	3,312.61	1/2	3,060.17	1/2	2,803.77	1/2	2,508.02	1/2	2,211.52
3/4		3/4		3/4		3/4	3,788.24	3/4	3,559.79	3/4	3,307.35	3/4	3,054.91	3/4	2,797.61	3/4	2,501.84	3/4	2,205.34

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 31'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "KIRBY 10080"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,902.66	0	1,605.94	0	1,309.03	0	1,012.12	0	721.05	0	424.21	0	127.09	0		0		0	
1/4	1,896.48	1/4	1,599.75	1/4	1,302.84	1/4	1,005.93	1/4	714.96	1/4	418.02	1/4	120.91	1/4		1/4		1/4	
1/2	1,890.31	1/2	1,593.57	1/2	1,296.66	1/2	999.75	1/2	708.87	1/2	411.83	1/2	114.72	1/2		1/2		1/2	
3/4	1,884.13	3/4	1,587.39	3/4	1,290.47	3/4	993.56	3/4	702.70	3/4	405.64	3/4	108.56	3/4		3/4		3/4	
1	1,877.95	1	1,581.20	1	1,284.29	1	987.37	1	696.53	1	399.45	1	102.40	1		1		1	
1/4	1,871.77	1/4	1,575.02	1/4	1,278.10	1/4	981.19	1/4	690.36	1/4	393.26	1/4	96.24	1/4		1/4		1/4	
1/2	1,865.60	1/2	1,568.83	1/2	1,271.92	1/2	975.00	1/2	684.19	1/2	387.07	1/2	90.07	1/2		1/2		1/2	
3/4	1,859.42	3/4	1,562.64	3/4	1,265.73	3/4	968.88	3/4	678.00	3/4	380.88	3/4	83.94	3/4		3/4		3/4	
2	1,853.24	2	1,556.46	2	1,259.54	2	962.76	2	671.81	2	374.69	2	77.81	2		2		2	
1/4	1,847.07	1/4	1,550.27	1/4	1,253.36	1/4	956.63	1/4	665.62	1/4	368.50	1/4	71.68	1/4		1/4		1/4	
1/2	1,840.89	1/2	1,544.09	1/2	1,247.17	1/2	950.51	1/2	659.43	1/2	362.31	1/2	65.55	1/2		1/2		1/2	
3/4	1,834.71	3/4	1,537.90	3/4	1,240.99	3/4	944.45	3/4	653.24	3/4	356.12	3/4	59.48	3/4		3/4		3/4	
3	1,828.54	3	1,531.72	3	1,234.80	3	938.39	3	647.05	3	349.93	3	53.41	3		3		3	
1/4	1,822.36	1/4	1,525.53	1/4	1,228.62	1/4	932.33	1/4	640.86	1/4	343.74	1/4	47.33	1/4		1/4		1/4	
1/2	1,816.18	1/2	1,519.34	1/2	1,222.43	1/2	926.27	1/2	634.67	1/2	337.55	1/2	41.26	1/2		1/2		1/2	
3/4	1,810.00	3/4	1,513.16	3/4	1,216.24	3/4	920.21	3/4	628.48	3/4	331.36	3/4	36.10	3/4		3/4		3/4	
4	1,803.81	4	1,506.97	4	1,210.06	4	914.16	4	622.29	4	325.17	4	30.94	4		4		4	
1/4	1,797.62	1/4	1,500.79	1/4	1,203.87	1/4	908.10	1/4	616.10	1/4	318.98	1/4	25.78	1/4		1/4		1/4	
1/2	1,791.44	1/2	1,494.60	1/2	1,197.69	1/2	902.04	1/2	609.91	1/2	312.79	1/2	20.62	1/2		1/2		1/2	
3/4	1,785.25	3/4	1,488.42	3/4	1,191.50	3/4	896.00	3/4	603.72	3/4	306.60	3/4	17.52	3/4		3/4		3/4	
5	1,779.07	5	1,482.23	5	1,185.32	5	889.95	5	597.53	5	300.41	5	14.42	5		5		5	
1/4	1,772.88	1/4	1,476.04	1/4	1,179.13	1/4	883.91	1/4	591.34	1/4	294.22	1/4	11.32	1/4		1/4		1/4	
1/2	1,766.70	1/2	1,469.86	1/2	1,172.94	1/2	877.87	1/2	585.15	1/2	288.03	1/2	8.22	1/2		1/2		1/2	
3/4	1,760.51	3/4	1,463.67	3/4	1,166.76	3/4	871.84	3/4	578.96	3/4	281.84	3/4	7.19	3/4		3/4		3/4	
6	1,754.33	6	1,457.49	6	1,160.57	6	865.81	6	572.77	6	275.65	6	6.15	6		6		6	
1/4	1,748.14	1/4	1,451.30	1/4	1,154.39	1/4	859.79	1/4	566.58	1/4	269.46	1/4	5.12	1/4		1/4		1/4	
1/2	1,741.95	1/2	1,445.12	1/2	1,148.20	1/2	853.76	1/2	560.39	1/2	263.27	1/2	4.09	1/2		1/2		1/2	
3/4	1,735.77	3/4	1,438.93	3/4	1,142.02	3/4	847.73	3/4	554.20	3/4	257.08	3/4		3/4		3/4		3/4	
7	1,729.59	7	1,432.74	7	1,135.83	7	841.71	7	548.01	7	250.89	7		7		7		7	
1/4	1,723.40	1/4	1,426.56	1/4	1,129.64	1/4	835.68	1/4	541.82	1/4	244.70	1/4		1/4		1/4		1/4	
1/2	1,717.22	1/2	1,420.37	1/2	1,123.46	1/2	829.66	1/2	535.63	1/2	238.51	1/2		1/2		1/2		1/2	
3/4	1,711.04	3/4	1,414.19	3/4	1,117.27	3/4	823.63	3/4	529.44	3/4	232.32	3/4		3/4		3/4		3/4	
8	1,704.85	8	1,408.00	8	1,111.09	8	817.60	8	523.25	8	226.13	8		8		8		8	
1/4	1,698.67	1/4	1,401.82	1/4	1,104.90	1/4	811.58	1/4	517.06	1/4	219.94	1/4		1/4		1/4		1/4	
1/2	1,692.49	1/2	1,395.63	1/2	1,098.72	1/2	805.55	1/2	510.87	1/2	213.75	1/2		1/2		1/2		1/2	
3/4	1,686.31	3/4	1,389.44	3/4	1,092.53	3/4	799.52	3/4	504.68	3/4	207.56	3/4		3/4		3/4		3/4	
9	1,680.12	9	1,383.26	9	1,086.35	9	793.50	9	498.49	9	201.37	9		9		9		9	
1/4	1,673.94	1/4	1,377.07	1/4	1,080.16	1/4	787.47	1/4	492.30	1/4	195.18	1/4		1/4		1/4		1/4	
1/2	1,667.76	1/2	1,370.89	1/2	1,073.97	1/2	781.44	1/2	486.11	1/2	188.99	1/2		1/2		1/2		1/2	
3/4	1,661.58	3/4	1,364.70	3/4	1,067.79	3/4	775.42	3/4	479.92	3/4	182.80	3/4		3/4		3/4		3/4	
10	1,655.40	10	1,358.52	10	1,061.60	10	769.39	10	473.73	10	176.61	10		10		10		10	
1/4	1,649.21	1/4	1,352.33	1/4	1,055.42	1/4	763.37	1/4	467.54	1/4	170.42	1/4		1/4		1/4		1/4	
1/2	1,643.03	1/2	1,346.14	1/2	1,049.23	1/2	757.34	1/2	461.35	1/2	164.24	1/2		1/2		1/2		1/2	
3/4	1,636.85	3/4	1,339.96	3/4	1,043.05	3/4	751.31	3/4	455.16	3/4	158.04	3/4		3/4		3/4		3/4	
11	1,630.67	11	1,333.77	11	1,036.86	11	745.29	11	448.97	11	151.84	11		11		11		11	
1/4	1,624.48	1/4	1,327.59	1/4	1,030.67	1/4	739.26	1/4	442.78	1/4	145.65	1/4		1/4		1/4		1/4	
1/2	1,618.30	1/2	1,321.40	1/2	1,024.49	1/2	733.23	1/2	436.59	1/2	139.45	1/2		1/2		1/2		1/2	
3/4	1,612.12	3/4	1,315.22	3/4	1,018.30	3/4	727.14	3/4	430.40	3/4	133.27	3/4		3/4		3/4		3/4	

STRAPPED: 02/04/2010 CL - SW  
CALCULATED: 02/04/2010 CL  
PRINTED: 02/04/2010 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2010

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 10080"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	3,492.82	0	3,261.75	0	3,000.16	0	2,738.57	0	2,476.60	0	2,213.61	0	1,950.61
1/4		1/4		1/4		1/4	3,491.90	1/4	3,256.30	1/4	2,994.71	1/4	2,733.12	1/4	2,471.12	1/4	2,208.13	1/4	1,945.14
1/2		1/2		1/2		1/2	3,490.99	1/2	3,250.85	1/2	2,989.26	1/2	2,727.67	1/2	2,465.64	1/2	2,202.65	1/2	1,939.66
3/4		3/4		3/4		3/4	3,490.07	3/4	3,245.40	3/4	2,983.81	3/4	2,722.22	3/4	2,460.16	3/4	2,197.17	3/4	1,934.18
1		1		1		1	3,487.33	1	3,239.95	1	2,978.36	1	2,716.77	1	2,454.68	1	2,191.69	1	1,928.70
1/4		1/4		1/4		1/4	3,484.59	1/4	3,234.50	1/4	2,972.91	1/4	2,711.32	1/4	2,449.20	1/4	2,186.21	1/4	1,923.22
1/2		1/2		1/2		1/2	3,481.85	1/2	3,229.05	1/2	2,967.46	1/2	2,705.87	1/2	2,443.72	1/2	2,180.73	1/2	1,917.74
3/4		3/4		3/4		3/4	3,479.11	3/4	3,223.60	3/4	2,962.01	3/4	2,700.42	3/4	2,438.25	3/4	2,175.25	3/4	1,912.26
2		2		2		2	3,474.54	2	3,218.15	2	2,956.56	2	2,694.97	2	2,432.77	2	2,169.77	2	1,906.78
1/4		1/4		1/4		1/4	3,469.97	1/4	3,212.70	1/4	2,951.11	1/4	2,689.52	1/4	2,427.29	1/4	2,164.30	1/4	1,901.30
1/2		1/2		1/2		1/2	3,465.41	1/2	3,207.25	1/2	2,945.66	1/2	2,684.07	1/2	2,421.81	1/2	2,158.82	1/2	1,895.82
3/4		3/4		3/4		3/4	3,460.84	3/4	3,201.80	3/4	2,940.21	3/4	2,678.62	3/4	2,416.33	3/4	2,153.34	3/4	1,890.35
3		3		3		3	3,455.53	3	3,196.35	3	2,934.76	3	2,673.17	3	2,410.85	3	2,147.86	3	1,884.87
1/4		1/4		1/4		1/4	3,450.22	1/4	3,190.90	1/4	2,929.31	1/4	2,667.72	1/4	2,405.37	1/4	2,142.38	1/4	1,879.39
1/2		1/2		1/2		1/2	3,444.91	1/2	3,185.45	1/2	2,923.86	1/2	2,662.27	1/2	2,399.89	1/2	2,136.90	1/2	1,873.91
3/4		3/4		3/4		3/4	3,439.60	3/4	3,180.00	3/4	2,918.41	3/4	2,656.82	3/4	2,394.41	3/4	2,131.42	3/4	1,868.43
4		4		4		4	3,434.26	4	3,174.55	4	2,912.96	4	2,651.37	4	2,388.93	4	2,125.94	4	1,862.95
1/4		1/4		1/4		1/4	3,428.92	1/4	3,169.10	1/4	2,907.51	1/4	2,645.92	1/4	2,383.46	1/4	2,120.46	1/4	1,857.47
1/2		1/2		1/2		1/2	3,423.57	1/2	3,163.65	1/2	2,902.06	1/2	2,640.47	1/2	2,377.98	1/2	2,114.98	1/2	1,851.99
3/4		3/4		3/4		3/4	3,418.23	3/4	3,158.20	3/4	2,896.61	3/4	2,635.02	3/4	2,372.50	3/4	2,109.51	3/4	1,846.51
5		5		5		5	3,412.88	5	3,152.75	5	2,891.16	5	2,629.57	5	2,367.02	5	2,104.03	5	1,841.03
1/4		1/4		1/4		1/4	3,407.53	1/4	3,147.30	1/4	2,885.71	1/4	2,624.12	1/4	2,361.54	1/4	2,098.55	1/4	1,835.56
1/2		1/2		1/2		1/2	3,402.17	1/2	3,141.85	1/2	2,880.26	1/2	2,618.67	1/2	2,356.06	1/2	2,093.07	1/2	1,830.08
3/4		3/4		3/4		3/4	3,396.82	3/4	3,136.40	3/4	2,874.81	3/4	2,613.22	3/4	2,350.58	3/4	2,087.59	3/4	1,824.60
6		6		6		6	3,391.47	6	3,130.95	6	2,869.36	6	2,607.77	6	2,345.10	6	2,082.11	6	1,819.12
1/4		1/4		1/4		1/4	3,386.11	1/4	3,125.50	1/4	2,863.91	1/4	2,602.32	1/4	2,339.62	1/4	2,076.63	1/4	1,813.64
1/2		1/2		1/2		1/2	3,380.76	1/2	3,120.05	1/2	2,858.46	1/2	2,596.87	1/2	2,334.14	1/2	2,071.15	1/2	1,808.16
3/4		3/4		3/4		3/4	3,375.40	3/4	3,114.60	3/4	2,853.01	3/4	2,591.42	3/4	2,328.67	3/4	2,065.67	3/4	1,802.68
7		7		7		7	3,370.05	7	3,109.16	7	2,847.56	7	2,585.97	7	2,323.19	7	2,060.19	7	1,797.20
1/4		1/4		1/4		1/4	3,364.70	1/4	3,103.71	1/4	2,842.11	1/4	2,580.52	1/4	2,317.71	1/4	2,054.72	1/4	1,791.72
1/2		1/2		1/2		1/2	3,359.35	1/2	3,098.26	1/2	2,836.67	1/2	2,575.07	1/2	2,312.23	1/2	2,049.24	1/2	1,786.24
3/4		3/4		3/4		3/4	3,354.00	3/4	3,092.81	3/4	2,831.22	3/4	2,569.62	3/4	2,306.75	3/4	2,043.76	3/4	1,780.77
8		8		8		8	3,348.65	8	3,087.36	8	2,825.77	8	2,564.18	8	2,301.27	8	2,038.28	8	1,775.29
1/4		1/4		1/4		1/4	3,343.30	1/4	3,081.91	1/4	2,820.32	1/4	2,558.73	1/4	2,295.79	1/4	2,032.80	1/4	1,769.81
1/2		1/2		1/2		1/2	3,337.95	1/2	3,076.46	1/2	2,814.87	1/2	2,553.28	1/2	2,290.31	1/2	2,027.32	1/2	1,764.33
3/4		3/4		3/4		3/4	3,332.60	3/4	3,071.01	3/4	2,809.42	3/4	2,547.83	3/4	2,284.83	3/4	2,021.84	3/4	1,758.85
9		9		9		9	3,327.15	9	3,065.56	9	2,803.97	9	2,542.35	9	2,279.35	9	2,016.36	9	1,753.37
1/4		1/4		1/4		1/4	3,321.70	1/4	3,060.11	1/4	2,798.52	1/4	2,536.87	1/4	2,273.88	1/4	2,010.88	1/4	1,747.89
1/2		1/2		1/2		1/2	3,316.25	1/2	3,054.66	1/2	2,793.07	1/2	2,531.39	1/2	2,268.40	1/2	2,005.40	1/2	1,742.41
3/4		3/4		3/4		3/4	3,310.80	3/4	3,049.21	3/4	2,787.62	3/4	2,525.91	3/4	2,262.92	3/4	1,999.93	3/4	1,736.93
10		10		10		10	3,305.35	10	3,043.76	10	2,782.17	10	2,520.43	10	2,257.44	10	1,994.45	10	1,731.45
1/4		1/4		1/4		1/4	3,299.90	1/4	3,038.31	1/4	2,776.72	1/4	2,514.95	1/4	2,251.96	1/4	1,988.97	1/4	1,725.98
1/2		1/2		1/2		1/2	3,294.45	1/2	3,032.86	1/2	2,771.27	1/2	2,509.47	1/2	2,246.48	1/2	1,983.49	1/2	1,720.50
3/4		3/4		3/4		3/4	3,289.00	3/4	3,027.41	3/4	2,765.82	3/4	2,503.99	3/4	2,241.00	3/4	1,978.01	3/4	1,715.02
11		11		11		11	3,283.55	11	3,021.96	11	2,760.37	11	2,498.51	11	2,235.52	11	1,972.53	11	1,709.54
1/4		1/4		1/4		1/4	3,278.10	1/4	3,016.51	1/4	2,754.92	1/4	2,493.04	1/4	2,230.04	1/4	1,967.05	1/4	1,704.06
1/2		1/2		1/2		1/2	3,272.65	1/2	3,011.06	1/2	2,749.47	1/2	2,487.56	1/2	2,224.56	1/2	1,961.57	1/2	1,698.58
3/4		3/4		3/4		3/4	3,493.73	3/4	3,267.20	3/4	3,005.61	3/4	2,744.02	3/4	2,482.08	3/4	2,219.09	3/4	1,693.10

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 27'-06" FORWARD OF AFT BULKHEAD.

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



# BARGE "KIRBY 10080"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 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	1,687.62	0	1,424.63	0	1,161.48	0	899.93	0	640.98	0	377.97	0	114.87	0		0		0	
1/4	1,682.14	1/4	1,419.15	1/4	1,156.00	1/4	894.53	1/4	635.54	1/4	372.49	1/4	109.41	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,676.66	1/2	1,413.67	1/2	1,150.52	1/2	889.14	1/2	630.10	1/2	367.01	1/2	103.94	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,671.19	3/4	1,408.19	3/4	1,145.03	3/4	883.74	3/4	624.66	3/4	361.53	3/4	98.48	3/4	3/4	3/4	3/4	3/4	3/4
1	1,665.71	1	1,402.71	1	1,139.55	1	878.34	1	619.18	1	356.04	1	93.03	1	1	1	1	1	1
1/4	1,660.23	1/4	1,397.23	1/4	1,134.07	1/4	872.94	1/4	613.70	1/4	350.56	1/4	87.58	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,654.75	1/2	1,391.75	1/2	1,128.59	1/2	867.55	1/2	608.22	1/2	345.08	1/2	82.13	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,649.27	3/4	1,386.26	3/4	1,123.10	3/4	862.15	3/4	602.74	3/4	339.60	3/4	76.69	3/4	3/4	3/4	3/4	3/4	3/4
2	1,643.79	2	1,380.78	2	1,117.62	2	856.75	2	597.26	2	334.12	2	71.27	2	2	2	2	2	2
1/4	1,638.31	1/4	1,375.30	1/4	1,112.14	1/4	851.35	1/4	591.77	1/4	328.63	1/4	65.85	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,632.83	1/2	1,369.82	1/2	1,106.66	1/2	845.96	1/2	586.29	1/2	323.15	1/2	60.43	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,627.35	3/4	1,364.33	3/4	1,101.17	3/4	840.56	3/4	580.81	3/4	317.67	3/4	55.01	3/4	3/4	3/4	3/4	3/4	3/4
3	1,621.87	3	1,358.85	3	1,095.69	3	835.16	3	575.33	3	312.19	3	49.64	3	3	3	3	3	3
1/4	1,616.40	1/4	1,353.37	1/4	1,090.21	1/4	829.76	1/4	569.85	1/4	306.70	1/4	44.28	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,610.92	1/2	1,347.89	1/2	1,084.73	1/2	824.37	1/2	564.36	1/2	301.22	1/2	38.91	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,605.44	3/4	1,342.40	3/4	1,079.24	3/4	818.97	3/4	558.88	3/4	295.74	3/4	33.54	3/4	3/4	3/4	3/4	3/4	3/4
4	1,599.96	4	1,336.92	4	1,073.76	4	813.58	4	553.40	4	290.26	4	28.98	4	4	4	4	4	4
1/4	1,594.48	1/4	1,331.44	1/4	1,068.28	1/4	808.18	1/4	547.92	1/4	284.78	1/4	24.42	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,589.00	1/2	1,325.96	1/2	1,062.80	1/2	802.79	1/2	542.43	1/2	279.29	1/2	19.86	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,583.52	3/4	1,320.47	3/4	1,057.31	3/4	797.40	3/4	536.95	3/4	273.81	3/4	15.30	3/4	3/4	3/4	3/4	3/4	3/4
5	1,578.04	5	1,314.99	5	1,051.83	5	792.01	5	531.47	5	268.33	5	12.56	5	5	5	5	5	5
1/4	1,572.56	1/4	1,309.51	1/4	1,046.35	1/4	786.61	1/4	525.99	1/4	262.85	1/4	9.81	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,567.08	1/2	1,304.03	1/2	1,040.87	1/2	781.22	1/2	520.51	1/2	257.37	1/2	7.07	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,561.61	3/4	1,298.54	3/4	1,035.38	3/4	775.83	3/4	515.02	3/4	251.88	3/4	4.33	3/4	3/4	3/4	3/4	3/4	3/4
6	1,556.13	6	1,293.06	6	1,029.90	6	770.44	6	509.54	6	246.40	6	3.42	6	6	6	6	6	6
1/4	1,550.65	1/4	1,287.58	1/4	1,024.42	1/4	765.05	1/4	504.06	1/4	240.92	1/4	2.51	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,545.17	1/2	1,282.10	1/2	1,018.94	1/2	759.65	1/2	498.58	1/2	235.44	1/2	1.59	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,539.69	3/4	1,276.61	3/4	1,013.45	3/4	754.26	3/4	493.10	3/4	229.96	3/4	0.68	3/4	3/4	3/4	3/4	3/4	3/4
7	1,534.21	7	1,271.13	7	1,008.01	7	748.87	7	487.61	7	224.47	7		7	7	7	7	7	7
1/4	1,528.73	1/4	1,265.65	1/4	1,002.57	1/4	743.48	1/4	482.13	1/4	218.99	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,523.25	1/2	1,260.17	1/2	997.13	1/2	738.08	1/2	476.65	1/2	213.51	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,517.77	3/4	1,254.68	3/4	991.69	3/4	732.69	3/4	471.17	3/4	208.03	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,512.29	8	1,249.20	8	986.29	8	727.30	8	465.69	8	202.54	8		8	8	8	8	8	8
1/4	1,506.82	1/4	1,243.72	1/4	980.90	1/4	721.91	1/4	460.20	1/4	197.06	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,501.34	1/2	1,238.24	1/2	975.50	1/2	716.51	1/2	454.72	1/2	191.58	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,495.86	3/4	1,232.75	3/4	970.10	3/4	711.12	3/4	449.24	3/4	186.10	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,490.38	9	1,227.27	9	964.70	9	705.73	9	443.76	9	180.62	9		9	9	9	9	9	9
1/4	1,484.90	1/4	1,221.79	1/4	959.31	1/4	700.34	1/4	438.28	1/4	175.13	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,479.42	1/2	1,216.31	1/2	953.91	1/2	694.95	1/2	432.79	1/2	169.65	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,473.94	3/4	1,210.82	3/4	948.51	3/4	689.55	3/4	427.31	3/4	164.17	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,468.46	10	1,205.34	10	943.11	10	684.16	10	421.83	10	158.69	10		10	10	10	10	10	10
1/4	1,462.98	1/4	1,199.86	1/4	937.72	1/4	678.77	1/4	416.35	1/4	153.21	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,457.50	1/2	1,194.38	1/2	932.32	1/2	673.38	1/2	410.86	1/2	147.73	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,452.03	3/4	1,188.89	3/4	926.92	3/4	667.98	3/4	405.38	3/4	142.24	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,446.55	11	1,183.41	11	921.52	11	662.59	11	399.90	11	136.77	11		11	11	11	11	11	11
1/4	1,441.07	1/4	1,177.93	1/4	916.13	1/4	657.20	1/4	394.42	1/4	131.29	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,435.59	1/2	1,172.45	1/2	910.73	1/2	651.81	1/2	388.94	1/2	125.81	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,430.11	3/4	1,166.96	3/4	905.33	3/4	646.42	3/4	383.45	3/4	120.34	3/4		3/4	3/4	3/4	3/4	3/4	3/4

STRAPPED: 02/04/2010 CL - SW  
CALCULATED: 02/04/2010 CL  
PRINTED: 02/04/2010 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2010

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 10080"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	3,478.49	0	3,248.66	0	2,988.47	0	2,728.28	0	2,467.70	0	2,206.11	0	1,944.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,477.58	1/4	3,243.24	1/4	2,983.05	1/4	2,722.86	1/4	2,462.25	1/4	2,200.66	1/4	1,939.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,476.68	1/2	3,237.82	1/2	2,977.63	1/2	2,717.44	1/2	2,456.80	1/2	2,195.21	1/2	1,933.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,475.77	3/4	3,232.40	3/4	2,972.21	3/4	2,712.01	3/4	2,451.36	3/4	2,189.76	3/4	1,928.17
1		1		1		1	3,473.04	1	3,226.98	1	2,966.79	1	2,706.59	1	2,445.91	1	2,184.31	1	1,922.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,470.31	1/4	3,221.56	1/4	2,961.37	1/4	2,701.17	1/4	2,440.46	1/4	2,178.87	1/4	1,917.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,467.59	1/2	3,216.14	1/2	2,955.95	1/2	2,695.75	1/2	2,435.01	1/2	2,173.42	1/2	1,911.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,464.86	3/4	3,210.72	3/4	2,950.53	3/4	2,690.33	3/4	2,429.56	3/4	2,167.97	3/4	1,906.38
2		2		2		2	3,460.32	2	3,205.30	2	2,945.10	2	2,684.91	2	2,424.11	2	2,162.52	2	1,900.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,455.77	1/4	3,199.88	1/4	2,939.68	1/4	2,679.49	1/4	2,418.66	1/4	2,157.07	1/4	1,895.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,451.23	1/2	3,194.46	1/2	2,934.26	1/2	2,674.07	1/2	2,413.21	1/2	2,151.62	1/2	1,890.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,446.69	3/4	3,189.04	3/4	2,928.84	3/4	2,668.65	3/4	2,407.76	3/4	2,146.17	3/4	1,884.58
3		3		3		3	3,441.41	3	3,183.62	3	2,923.42	3	2,663.23	3	2,402.31	3	2,140.72	3	1,879.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,436.13	1/4	3,178.19	1/4	2,918.00	1/4	2,657.81	1/4	2,396.86	1/4	2,135.27	1/4	1,873.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,430.85	1/2	3,172.77	1/2	2,912.58	1/2	2,652.39	1/2	2,391.41	1/2	2,129.82	1/2	1,868.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,425.56	3/4	3,167.35	3/4	2,907.16	3/4	2,646.97	3/4	2,385.96	3/4	2,124.37	3/4	1,862.78
4		4		4		4	3,420.25	4	3,161.93	4	2,901.74	4	2,641.55	4	2,380.51	4	2,118.92	4	1,857.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,414.94	1/4	3,156.51	1/4	2,896.32	1/4	2,636.12	1/4	2,375.06	1/4	2,113.47	1/4	1,851.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,409.63	1/2	3,151.09	1/2	2,890.90	1/2	2,630.70	1/2	2,369.61	1/2	2,108.02	1/2	1,846.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,404.31	3/4	3,145.67	3/4	2,885.48	3/4	2,625.28	3/4	2,364.16	3/4	2,102.57	3/4	1,840.98
5		5		5		5	3,398.99	5	3,140.25	5	2,880.06	5	2,619.86	5	2,358.71	5	2,097.12	5	1,835.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,393.66	1/4	3,134.83	1/4	2,874.64	1/4	2,614.44	1/4	2,353.26	1/4	2,091.67	1/4	1,830.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,388.33	1/2	3,129.41	1/2	2,869.21	1/2	2,609.02	1/2	2,347.81	1/2	2,086.22	1/2	1,824.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,383.01	3/4	3,123.99	3/4	2,863.79	3/4	2,603.60	3/4	2,342.36	3/4	2,080.77	3/4	1,819.18
6		6		6		6	3,377.68	6	3,118.57	6	2,858.37	6	2,598.18	6	2,336.91	6	2,075.32	6	1,813.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,372.36	1/4	3,113.15	1/4	2,852.95	1/4	2,592.76	1/4	2,331.46	1/4	2,069.87	1/4	1,808.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,367.03	1/2	3,107.73	1/2	2,847.53	1/2	2,587.34	1/2	2,326.01	1/2	2,064.42	1/2	1,802.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,361.70	3/4	3,102.30	3/4	2,842.11	3/4	2,581.92	3/4	2,320.56	3/4	2,058.97	3/4	1,797.38
7		7		7		7	3,356.38	7	3,096.88	7	2,836.69	7	2,576.50	7	2,315.11	7	2,053.52	7	1,791.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,351.06	1/4	3,091.46	1/4	2,831.27	1/4	2,571.08	1/4	2,309.66	1/4	2,048.07	1/4	1,786.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,345.74	1/2	3,086.04	1/2	2,825.85	1/2	2,565.66	1/2	2,304.21	1/2	2,042.62	1/2	1,781.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,340.42	3/4	3,080.62	3/4	2,820.43	3/4	2,560.23	3/4	2,298.76	3/4	2,037.17	3/4	1,775.58
8		8		8		8	3,335.10	8	3,075.20	8	2,815.01	8	2,554.81	8	2,293.31	8	2,031.72	8	1,770.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,329.78	1/4	3,069.78	1/4	2,809.59	1/4	2,549.39	1/4	2,287.86	1/4	2,026.27	1/4	1,764.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,324.45	1/2	3,064.36	1/2	2,804.17	1/2	2,543.97	1/2	2,282.41	1/2	2,020.82	1/2	1,759.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,319.13	3/4	3,058.94	3/4	2,798.75	3/4	2,538.55	3/4	2,276.96	3/4	2,015.37	3/4	1,753.78
9		9		9		9	3,313.71	9	3,053.52	9	2,793.32	9	2,533.10	9	2,271.51	9	2,009.92	9	1,748.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,308.29	1/4	3,048.10	1/4	2,787.90	1/4	2,527.65	1/4	2,266.06	1/4	2,004.47	1/4	1,742.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,302.87	1/2	3,042.68	1/2	2,782.48	1/2	2,522.20	1/2	2,260.61	1/2	1,999.02	1/2	1,737.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,297.45	3/4	3,037.26	3/4	2,777.06	3/4	2,516.75	3/4	2,255.16	3/4	1,993.57	3/4	1,731.98
10		10		10		10	3,292.03	10	3,031.84	10	2,771.64	10	2,511.30	10	2,249.71	10	1,988.12	10	1,726.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,286.61	1/4	3,026.41	1/4	2,766.22	1/4	2,505.85	1/4	2,244.26	1/4	1,982.67	1/4	1,721.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,281.19	1/2	3,020.99	1/2	2,760.80	1/2	2,500.40	1/2	2,238.81	1/2	1,977.22	1/2	1,715.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,275.77	3/4	3,015.57	3/4	2,755.38	3/4	2,494.95	3/4	2,233.36	3/4	1,971.77	3/4	1,710.18
11		11		11		11	3,270.35	11	3,010.15	11	2,749.96	11	2,489.50	11	2,227.91	11	1,966.32	11	1,704.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,264.93	1/4	3,004.73	1/4	2,744.54	1/4	2,484.05	1/4	2,222.46	1/4	1,960.87	1/4	1,699.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,259.51	1/2	2,999.31	1/2	2,739.12	1/2	2,478.60	1/2	2,217.01	1/2	1,955.42	1/2	1,693.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,479.40	3/4	3,254.08	3/4	2,993.89	3/4	2,733.70	3/4	2,473.15	3/4	2,211.56	3/4	1,688.38

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 27'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "KIRBY 10080"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 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	1,682.93	0	1,421.34	0	1,159.59	0	898.59	0	637.70	0	375.97	0	114.27	0		0		0	
1/4	1,677.48	1/4	1,415.89	1/4	1,154.14	1/4	893.18	1/4	632.25	1/4	370.52	1/4	108.83	1/4		1/4		1/4	
1/2	1,672.03	1/2	1,410.44	1/2	1,148.68	1/2	887.76	1/2	626.80	1/2	365.06	1/2	103.39	1/2		1/2		1/2	
3/4	1,666.58	3/4	1,404.99	3/4	1,143.23	3/4	882.34	3/4	621.35	3/4	359.61	3/4	97.96	3/4		3/4		3/4	
1	1,661.13	1	1,399.54	1	1,137.78	1	876.93	1	615.90	1	354.16	1	92.54	1		1		1	
1/4	1,655.68	1/4	1,394.09	1/4	1,132.32	1/4	871.51	1/4	610.44	1/4	348.70	1/4	87.12	1/4		1/4		1/4	
1/2	1,650.23	1/2	1,388.63	1/2	1,126.87	1/2	866.09	1/2	604.99	1/2	343.25	1/2	81.70	1/2		1/2		1/2	
3/4	1,644.78	3/4	1,383.18	3/4	1,121.42	3/4	860.68	3/4	599.54	3/4	337.80	3/4	76.28	3/4		3/4		3/4	
2	1,639.33	2	1,377.73	2	1,115.96	2	855.26	2	594.09	2	332.34	2	70.89	2		2		2	
1/4	1,633.89	1/4	1,372.27	1/4	1,110.51	1/4	849.84	1/4	588.64	1/4	326.89	1/4	65.50	1/4		1/4		1/4	
1/2	1,628.44	1/2	1,366.82	1/2	1,105.06	1/2	844.42	1/2	583.18	1/2	321.44	1/2	60.11	1/2		1/2		1/2	
3/4	1,622.99	3/4	1,361.37	3/4	1,099.60	3/4	839.01	3/4	577.73	3/4	315.99	3/4	54.72	3/4		3/4		3/4	
3	1,617.54	3	1,355.91	3	1,094.15	3	833.59	3	572.28	3	310.53	3	49.38	3		3		3	
1/4	1,612.09	1/4	1,350.46	1/4	1,088.70	1/4	828.17	1/4	566.82	1/4	305.08	1/4	44.04	1/4		1/4		1/4	
1/2	1,606.64	1/2	1,345.01	1/2	1,083.24	1/2	822.76	1/2	561.37	1/2	299.63	1/2	38.70	1/2		1/2		1/2	
3/4	1,601.19	3/4	1,339.55	3/4	1,077.79	3/4	817.34	3/4	555.92	3/4	294.17	3/4	33.36	3/4		3/4		3/4	
4	1,595.74	4	1,334.10	4	1,072.34	4	811.93	4	550.46	4	288.72	4	28.83	4		4		4	
1/4	1,590.29	1/4	1,328.65	1/4	1,066.88	1/4	806.52	1/4	545.01	1/4	283.27	1/4	24.29	1/4		1/4		1/4	
1/2	1,584.84	1/2	1,323.19	1/2	1,061.43	1/2	801.11	1/2	539.56	1/2	277.81	1/2	19.75	1/2		1/2		1/2	
3/4	1,579.39	3/4	1,317.74	3/4	1,055.98	3/4	795.69	3/4	534.11	3/4	272.36	3/4	15.22	3/4		3/4		3/4	
5	1,573.94	5	1,312.29	5	1,050.52	5	790.25	5	528.65	5	266.91	5	12.49	5		5		5	
1/4	1,568.49	1/4	1,306.83	1/4	1,045.07	1/4	784.80	1/4	523.20	1/4	261.46	1/4	9.77	1/4		1/4		1/4	
1/2	1,563.04	1/2	1,301.38	1/2	1,039.62	1/2	779.35	1/2	517.75	1/2	256.00	1/2	7.04	1/2		1/2		1/2	
3/4	1,557.59	3/4	1,295.93	3/4	1,034.16	3/4	773.90	3/4	512.29	3/4	250.55	3/4	4.31	3/4		3/4		3/4	
6	1,552.14	6	1,290.47	6	1,028.71	6	768.45	6	506.84	6	245.10	6	3.40	6		6		6	
1/4	1,546.69	1/4	1,285.02	1/4	1,023.26	1/4	763.01	1/4	501.39	1/4	239.64	1/4	2.50	1/4		1/4		1/4	
1/2	1,541.24	1/2	1,279.57	1/2	1,017.80	1/2	757.56	1/2	495.93	1/2	234.19	1/2	1.59	1/2		1/2		1/2	
3/4	1,535.79	3/4	1,274.11	3/4	1,012.35	3/4	752.11	3/4	490.48	3/4	228.74	3/4	0.68	3/4		3/4		3/4	
7	1,530.34	7	1,268.66	7	1,006.93	7	746.66	7	485.03	7	223.28	7		7		7		7	
1/4	1,524.89	1/4	1,263.21	1/4	1,001.51	1/4	741.21	1/4	479.58	1/4	217.83	1/4		1/4		1/4		1/4	
1/2	1,519.44	1/2	1,257.75	1/2	996.10	1/2	735.77	1/2	474.12	1/2	212.38	1/2		1/2		1/2		1/2	
3/4	1,513.99	3/4	1,252.30	3/4	990.68	3/4	730.32	3/4	468.67	3/4	206.93	3/4		3/4		3/4		3/4	
8	1,508.54	8	1,246.84	8	985.26	8	724.87	8	463.22	8	201.47	8		8		8		8	
1/4	1,503.09	1/4	1,241.39	1/4	979.85	1/4	719.42	1/4	457.76	1/4	196.02	1/4		1/4		1/4		1/4	
1/2	1,497.64	1/2	1,235.94	1/2	974.43	1/2	713.97	1/2	452.31	1/2	190.57	1/2		1/2		1/2		1/2	
3/4	1,492.19	3/4	1,230.48	3/4	969.01	3/4	708.53	3/4	446.86	3/4	185.11	3/4		3/4		3/4		3/4	
9	1,486.74	9	1,225.03	9	963.60	9	703.08	9	441.40	9	179.66	9		9		9		9	
1/4	1,481.29	1/4	1,219.58	1/4	958.18	1/4	697.63	1/4	435.95	1/4	174.21	1/4		1/4		1/4		1/4	
1/2	1,475.84	1/2	1,214.12	1/2	952.76	1/2	692.18	1/2	430.50	1/2	168.75	1/2		1/2		1/2		1/2	
3/4	1,470.39	3/4	1,208.67	3/4	947.35	3/4	686.73	3/4	425.05	3/4	163.30	3/4		3/4		3/4		3/4	
10	1,464.94	10	1,203.22	10	941.93	10	681.29	10	419.59	10	157.85	10		10		10		10	
1/4	1,459.49	1/4	1,197.76	1/4	936.51	1/4	675.84	1/4	414.14	1/4	152.40	1/4		1/4		1/4		1/4	
1/2	1,454.04	1/2	1,192.31	1/2	931.10	1/2	670.39	1/2	408.69	1/2	146.94	1/2		1/2		1/2		1/2	
3/4	1,448.59	3/4	1,186.86	3/4	925.68	3/4	664.94	3/4	403.23	3/4	141.49	3/4		3/4		3/4		3/4	
11	1,443.14	11	1,181.40	11	920.26	11	659.50	11	397.78	11	136.04	11		11		11		11	
1/4	1,437.69	1/4	1,175.95	1/4	914.84	1/4	654.05	1/4	392.33	1/4	130.60	1/4		1/4		1/4		1/4	
1/2	1,432.24	1/2	1,170.50	1/2	909.43	1/2	648.60	1/2	386.87	1/2	125.15	1/2		1/2		1/2		1/2	
3/4	1,426.79	3/4	1,165.04	3/4	904.01	3/4	643.15	3/4	381.42	3/4	119.70	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/04/2010 CL - SW  
CALCULATED: 02/04/2010 CL  
PRINTED: 02/04/2010 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 02/2010

PRECISION MEASUREMENT  
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