



# BARGE "KIRBY 10111"

## ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 163'-06"

April 11, 2024

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

<http://www.pmacorp.net>



# BARGE "KIRBY 10111"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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	3,767.05	0	3,546.06	0	3,292.98	0	3,039.90	0	2,779.37	0	2,483.54	0	2,187.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,766.02	1/4	3,540.79	1/4	3,287.71	1/4	3,034.63	1/4	2,773.21	1/4	2,477.36	1/4	2,180.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,764.98	1/2	3,535.52	1/2	3,282.44	1/2	3,029.36	1/2	2,767.06	1/2	2,471.19	1/2	2,174.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,763.95	3/4	3,530.25	3/4	3,277.17	3/4	3,024.09	3/4	2,760.90	3/4	2,465.01	3/4	2,168.51
1		1		1		1	3,762.92	1	3,524.97	1	3,271.89	1	3,018.81	1	2,754.74	1	2,458.83	1	2,162.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,759.81	1/4	3,519.70	1/4	3,266.62	1/4	3,013.54	1/4	2,748.58	1/4	2,452.66	1/4	2,156.15
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,756.71	1/2	3,514.43	1/2	3,261.35	1/2	3,008.27	1/2	2,742.42	1/2	2,446.48	1/2	2,149.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,753.61	3/4	3,509.16	3/4	3,256.08	3/4	3,003.00	3/4	2,736.26	3/4	2,440.30	3/4	2,143.80
2		2		2		2	3,750.51	2	3,503.88	2	3,250.80	2	2,997.72	2	2,730.10	2	2,434.12	2	2,137.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,746.36	1/4	3,498.61	1/4	3,245.53	1/4	2,992.45	1/4	2,723.95	1/4	2,427.95	1/4	2,131.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,742.21	1/2	3,493.34	1/2	3,240.26	1/2	2,987.18	1/2	2,717.79	1/2	2,421.77	1/2	2,125.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,738.05	3/4	3,488.07	3/4	3,234.99	3/4	2,981.91	3/4	2,711.63	3/4	2,415.59	3/4	2,119.09
3		3		3		3	3,733.90	3	3,482.79	3	3,229.71	3	2,976.63	3	2,705.47	3	2,409.42	3	2,112.92
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,728.76	1/4	3,477.52	1/4	3,224.44	1/4	2,971.36	1/4	2,699.31	1/4	2,403.24	1/4	2,106.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,723.63	1/2	3,472.25	1/2	3,219.17	1/2	2,966.09	1/2	2,693.15	1/2	2,397.06	1/2	2,100.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,718.49	3/4	3,466.98	3/4	3,213.90	3/4	2,960.82	3/4	2,686.99	3/4	2,390.88	3/4	2,094.38
4		4		4		4	3,713.35	4	3,461.70	4	3,208.62	4	2,955.54	4	2,680.84	4	2,384.71	4	2,088.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,708.18	1/4	3,456.43	1/4	3,203.35	1/4	2,950.27	1/4	2,674.68	1/4	2,378.53	1/4	2,082.03
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,703.00	1/2	3,451.16	1/2	3,198.08	1/2	2,945.00	1/2	2,668.52	1/2	2,372.35	1/2	2,075.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,697.83	3/4	3,445.89	3/4	3,192.81	3/4	2,939.73	3/4	2,662.36	3/4	2,366.18	3/4	2,069.68
5		5		5		5	3,692.66	5	3,440.61	5	3,187.53	5	2,934.45	5	2,656.20	5	2,360.00	5	2,063.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,687.47	1/4	3,435.34	1/4	3,182.26	1/4	2,929.18	1/4	2,650.04	1/4	2,353.82	1/4	2,057.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,682.28	1/2	3,430.07	1/2	3,176.99	1/2	2,923.91	1/2	2,643.89	1/2	2,347.65	1/2	2,051.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,677.09	3/4	3,424.80	3/4	3,171.72	3/4	2,918.64	3/4	2,637.73	3/4	2,341.47	3/4	2,044.97
6		6		6		6	3,671.90	6	3,419.52	6	3,166.44	6	2,913.36	6	2,631.57	6	2,335.29	6	2,038.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,666.72	1/4	3,414.25	1/4	3,161.17	1/4	2,908.09	1/4	2,625.41	1/4	2,329.11	1/4	2,032.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,661.53	1/2	3,408.98	1/2	3,155.90	1/2	2,902.82	1/2	2,619.25	1/2	2,322.94	1/2	2,026.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,656.35	3/4	3,403.71	3/4	3,150.63	3/4	2,897.55	3/4	2,613.09	3/4	2,316.76	3/4	2,020.26
7		7		7		7	3,651.16	7	3,398.43	7	3,145.35	7	2,892.27	7	2,606.93	7	2,310.58	7	2,014.08
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,645.98	1/4	3,393.16	1/4	3,140.08	1/4	2,887.00	1/4	2,600.78	1/4	2,304.41	1/4	2,007.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,640.79	1/2	3,387.89	1/2	3,134.81	1/2	2,881.73	1/2	2,594.62	1/2	2,298.23	1/2	2,001.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,635.61	3/4	3,382.62	3/4	3,129.54	3/4	2,876.46	3/4	2,588.46	3/4	2,292.05	3/4	1,995.55
8		8		8		8	3,630.42	8	3,377.34	8	3,124.26	8	2,871.18	8	2,582.30	8	2,285.87	8	1,989.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,625.15	1/4	3,372.07	1/4	3,118.99	1/4	2,865.89	1/4	2,576.14	1/4	2,279.70	1/4	1,983.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,619.88	1/2	3,366.80	1/2	3,113.72	1/2	2,860.59	1/2	2,569.98	1/2	2,273.52	1/2	1,977.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,614.61	3/4	3,361.53	3/4	3,108.45	3/4	2,855.29	3/4	2,563.82	3/4	2,267.34	3/4	1,970.84
9		9		9		9	3,609.33	9	3,356.25	9	3,103.17	9	2,850.00	9	2,557.67	9	2,261.17	9	1,964.66
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,604.06	1/4	3,350.98	1/4	3,097.90	1/4	2,844.70	1/4	2,551.49	1/4	2,254.99	1/4	1,958.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,598.79	1/2	3,345.71	1/2	3,092.63	1/2	2,839.40	1/2	2,545.31	1/2	2,248.81	1/2	1,952.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,593.52	3/4	3,340.44	3/4	3,087.36	3/4	2,834.10	3/4	2,539.14	3/4	2,242.63	3/4	1,946.13
10		10		10		10	3,588.24	10	3,335.16	10	3,082.08	10	2,828.81	10	2,532.96	10	2,236.46	10	1,939.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,582.97	1/4	3,329.89	1/4	3,076.81	1/4	2,822.61	1/4	2,526.78	1/4	2,230.28	1/4	1,933.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,577.70	1/2	3,324.62	1/2	3,071.54	1/2	2,816.41	1/2	2,520.60	1/2	2,224.10	1/2	1,927.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,572.43	3/4	3,319.35	3/4	3,066.27	3/4	2,810.21	3/4	2,514.43	3/4	2,217.93	3/4	1,921.43
11		11		11		11	3,567.15	11	3,314.07	11	3,060.99	11	2,804.01	11	2,508.25	11	2,211.75	11	1,915.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,561.88	1/4	3,308.80	1/4	3,055.72	1/4	2,797.85	1/4	2,502.07	1/4	2,205.57	1/4	1,909.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,556.61	1/2	3,303.53	1/2	3,050.45	1/2	2,791.69	1/2	2,495.90	1/2	2,199.39	1/2	1,902.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,551.34	3/4	3,298.26	3/4	3,045.18	3/4	2,785.53	3/4	2,489.72	3/4	2,193.22	3/4	1,896.72

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'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "KIRBY 10111"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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	1,890.54	0	1,593.80	0	1,296.89	0	999.98	0	709.10	0	412.06	0	114.94	0		0			
1/4	1,884.36	1/4	1,587.62	1/4	1,290.70	1/4	993.79	1/4	702.92	1/4	405.87	1/4	108.78	1/4		1/4		1/4	
1/2	1,878.19	1/2	1,581.43	1/2	1,284.52	1/2	987.61	1/2	696.75	1/2	399.68	1/2	102.62	1/2		1/2		1/2	
3/4	1,872.01	3/4	1,575.25	3/4	1,278.33	3/4	981.42	3/4	690.58	3/4	393.49	3/4	96.46	3/4		3/4		3/4	
1	1,865.83	1	1,569.06	1	1,272.15	1	975.23	1	684.41	1	387.30	1	90.30	1		1		1	
1/4	1,859.65	1/4	1,562.88	1/4	1,265.96	1/4	969.11	1/4	678.22	1/4	381.11	1/4	84.17	1/4		1/4		1/4	
1/2	1,853.48	1/2	1,556.69	1/2	1,259.78	1/2	962.99	1/2	672.03	1/2	374.92	1/2	78.04	1/2		1/2		1/2	
3/4	1,847.30	3/4	1,550.50	3/4	1,253.59	3/4	956.87	3/4	665.84	3/4	368.73	3/4	71.90	3/4		3/4		3/4	
2	1,841.12	2	1,544.32	2	1,247.40	2	950.74	2	659.65	2	362.54	2	65.77	2		2		2	
1/4	1,834.95	1/4	1,538.13	1/4	1,241.22	1/4	944.68	1/4	653.46	1/4	356.35	1/4	59.70	1/4		1/4		1/4	
1/2	1,828.77	1/2	1,531.95	1/2	1,235.03	1/2	938.62	1/2	647.27	1/2	350.16	1/2	53.63	1/2		1/2		1/2	
3/4	1,822.59	3/4	1,525.76	3/4	1,228.85	3/4	932.56	3/4	641.08	3/4	343.97	3/4	47.55	3/4		3/4		3/4	
3	1,816.41	3	1,519.58	3	1,222.66	3	926.50	3	634.90	3	337.78	3	41.48	3		3		3	
1/4	1,810.23	1/4	1,513.39	1/4	1,216.48	1/4	920.44	1/4	628.71	1/4	331.59	1/4	36.32	1/4		1/4		1/4	
1/2	1,804.04	1/2	1,507.20	1/2	1,210.29	1/2	914.39	1/2	622.52	1/2	325.40	1/2	31.16	1/2		1/2		1/2	
3/4	1,797.86	3/4	1,501.02	3/4	1,204.10	3/4	908.33	3/4	616.33	3/4	319.21	3/4	26.00	3/4		3/4		3/4	
4	1,791.67	4	1,494.83	4	1,197.92	4	902.27	4	610.14	4	313.02	4	20.84	4		4		4	
1/4	1,785.49	1/4	1,488.65	1/4	1,191.73	1/4	896.22	1/4	603.95	1/4	306.83	1/4	17.74	1/4		1/4		1/4	
1/2	1,779.30	1/2	1,482.46	1/2	1,185.55	1/2	890.18	1/2	597.76	1/2	300.64	1/2	14.64	1/2		1/2		1/2	
3/4	1,773.12	3/4	1,476.28	3/4	1,179.36	3/4	884.14	3/4	591.57	3/4	294.45	3/4	11.54	3/4		3/4		3/4	
5	1,766.93	5	1,470.09	5	1,173.18	5	878.10	5	585.38	5	288.26	5	8.44	5		5		5	
1/4	1,760.74	1/4	1,463.90	1/4	1,166.99	1/4	872.07	1/4	579.19	1/4	282.07	1/4	7.41	1/4		1/4		1/4	
1/2	1,754.56	1/2	1,457.72	1/2	1,160.80	1/2	866.04	1/2	573.00	1/2	275.88	1/2	6.38	1/2		1/2		1/2	
3/4	1,748.37	3/4	1,451.53	3/4	1,154.62	3/4	860.02	3/4	566.81	3/4	269.69	3/4	5.34	3/4		3/4		3/4	
6	1,742.19	6	1,445.35	6	1,148.43	6	853.99	6	560.62	6	263.50	6	4.31	6		6		6	
1/4	1,736.00	1/4	1,439.16	1/4	1,142.25	1/4	847.96	1/4	554.43	1/4	257.31	1/4		1/4		1/4		1/4	
1/2	1,729.82	1/2	1,432.98	1/2	1,136.06	1/2	841.94	1/2	548.24	1/2	251.12	1/2		1/2		1/2		1/2	
3/4	1,723.64	3/4	1,426.79	3/4	1,129.88	3/4	835.91	3/4	542.05	3/4	244.93	3/4		3/4		3/4		3/4	
7	1,717.45	7	1,420.60	7	1,123.69	7	829.88	7	535.86	7	238.74	7		7		7		7	
1/4	1,711.27	1/4	1,414.42	1/4	1,117.50	1/4	823.86	1/4	529.67	1/4	232.55	1/4		1/4		1/4		1/4	
1/2	1,705.09	1/2	1,408.23	1/2	1,111.32	1/2	817.83	1/2	523.48	1/2	226.36	1/2		1/2		1/2		1/2	
3/4	1,698.90	3/4	1,402.05	3/4	1,105.13	3/4	811.80	3/4	517.29	3/4	220.17	3/4		3/4		3/4		3/4	
8	1,692.72	8	1,395.86	8	1,098.95	8	805.78	8	511.10	8	213.98	8		8		8		8	
1/4	1,686.54	1/4	1,389.68	1/4	1,092.76	1/4	799.75	1/4	504.91	1/4	207.79	1/4		1/4		1/4		1/4	
1/2	1,680.36	1/2	1,383.49	1/2	1,086.58	1/2	793.72	1/2	498.72	1/2	201.60	1/2		1/2		1/2		1/2	
3/4	1,674.17	3/4	1,377.30	3/4	1,080.39	3/4	787.70	3/4	492.53	3/4	195.41	3/4		3/4		3/4		3/4	
9	1,667.99	9	1,371.12	9	1,074.20	9	781.67	9	486.34	9	189.22	9		9		9		9	
1/4	1,661.81	1/4	1,364.93	1/4	1,068.02	1/4	775.64	1/4	480.15	1/4	183.03	1/4		1/4		1/4		1/4	
1/2	1,655.63	1/2	1,358.75	1/2	1,061.83	1/2	769.62	1/2	473.96	1/2	176.84	1/2		1/2		1/2		1/2	
3/4	1,649.45	3/4	1,352.56	3/4	1,055.65	3/4	763.59	3/4	467.77	3/4	170.65	3/4		3/4		3/4		3/4	
10	1,643.26	10	1,346.38	10	1,049.46	10	757.56	10	461.58	10	164.46	10		10		10		10	
1/4	1,637.08	1/4	1,340.19	1/4	1,043.28	1/4	751.54	1/4	455.39	1/4	158.26	1/4		1/4		1/4		1/4	
1/2	1,630.90	1/2	1,334.00	1/2	1,037.09	1/2	745.51	1/2	449.20	1/2	152.07	1/2		1/2		1/2		1/2	
3/4	1,624.72	3/4	1,327.82	3/4	1,030.90	3/4	739.48	3/4	443.01	3/4	145.87	3/4		3/4		3/4		3/4	
11	1,618.53	11	1,321.63	11	1,024.72	11	733.46	11	436.82	11	139.68	11		11		11		11	
1/4	1,612.35	1/4	1,315.45	1/4	1,018.53	1/4	727.37	1/4	430.63	1/4	133.49	1/4		1/4		1/4		1/4	
1/2	1,606.17	1/2	1,309.26	1/2	1,012.35	1/2	721.28	1/2	424.44	1/2	127.31	1/2		1/2		1/2		1/2	
3/4	1,599.99	3/4	1,303.08	3/4	1,006.16	3/4	715.19	3/4	418.25	3/4	121.13	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/13/2014 SW  
CALCULATED: 03/14/2014 CL  
VERIFIED: 04/11/2024 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2024

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



# BARGE "KIRBY 10111"

## 2 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	0	0	0	3,259.37	0	2,997.53	0	2,735.69	0	2,473.44	0	2,210.21	0	1,946.97		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,253.92	1/4	2,992.08	1/4	2,730.24	1/4	2,467.96	1/4	2,204.72	1/4	1,941.49		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,475.08	1/2	3,248.46	1/2	2,986.62	1/2	2,724.78	1/2	2,462.47	1/2	2,199.24	1/2	1,936.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,474.17	3/4	3,243.01	3/4	2,981.17	3/4	2,719.33	3/4	2,456.99	3/4	2,193.75	3/4	1,930.52
1	1	1	1	1	1	1	3,473.25	1	3,237.55	1	2,975.71	1	2,713.87	1	2,451.51	1	2,188.27	1	1,925.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,472.34	1/4	3,232.10	1/4	2,970.26	1/4	2,708.42	1/4	2,446.02	1/4	2,182.79	1/4	1,919.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,471.42	1/2	3,226.64	1/2	2,964.80	1/2	2,702.96	1/2	2,440.54	1/2	2,177.30	1/2	1,914.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,468.68	3/4	3,221.19	3/4	2,959.35	3/4	2,697.51	3/4	2,435.05	3/4	2,171.82	3/4	1,908.58
2	2	2	2	2	2	2	3,465.93	2	3,215.73	2	2,953.89	2	2,692.05	2	2,429.57	2	2,166.33	2	1,903.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,463.19	1/4	3,210.28	1/4	2,948.44	1/4	2,686.60	1/4	2,424.09	1/4	2,160.85	1/4	1,897.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,460.45	1/2	3,204.82	1/2	2,942.98	1/2	2,681.14	1/2	2,418.60	1/2	2,155.37	1/2	1,892.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,456.00	3/4	3,199.37	3/4	2,937.53	3/4	2,675.69	3/4	2,413.12	3/4	2,149.88	3/4	1,886.64
3	3	3	3	3	3	3	3,451.56	3	3,193.91	3	2,932.07	3	2,670.23	3	2,407.63	3	2,144.40	3	1,881.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,447.12	1/4	3,188.46	1/4	2,926.62	1/4	2,664.78	1/4	2,402.15	1/4	2,138.91	1/4	1,875.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,442.67	1/2	3,183.00	1/2	2,921.16	1/2	2,659.32	1/2	2,396.67	1/2	2,133.43	1/2	1,870.19
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,437.36	3/4	3,177.55	3/4	2,915.71	3/4	2,653.87	3/4	2,391.18	3/4	2,127.94	3/4	1,864.71
4	4	4	4	4	4	4	3,432.04	4	3,172.09	4	2,910.25	4	2,648.41	4	2,385.70	4	2,122.46	4	1,859.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,426.73	1/4	3,166.64	1/4	2,904.80	1/4	2,642.96	1/4	2,380.21	1/4	2,116.98	1/4	1,853.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,421.41	1/2	3,161.18	1/2	2,899.34	1/2	2,637.50	1/2	2,374.73	1/2	2,111.49	1/2	1,848.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,416.06	3/4	3,155.73	3/4	2,893.89	3/4	2,632.05	3/4	2,369.25	3/4	2,106.01	3/4	1,842.77
5	5	5	5	5	5	5	3,410.72	5	3,150.27	5	2,888.43	5	2,626.59	5	2,363.76	5	2,100.52	5	1,837.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,405.37	1/4	3,144.82	1/4	2,882.98	1/4	2,621.14	1/4	2,358.28	1/4	2,095.04	1/4	1,831.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,400.02	1/2	3,139.36	1/2	2,877.52	1/2	2,615.68	1/2	2,352.79	1/2	2,089.56	1/2	1,826.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,394.66	3/4	3,133.91	3/4	2,872.07	3/4	2,610.23	3/4	2,347.31	3/4	2,084.07	3/4	1,820.84
6	6	6	6	6	6	6	3,389.31	6	3,128.45	6	2,866.61	6	2,604.77	6	2,341.82	6	2,078.59	6	1,815.35
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,383.95	1/4	3,123.00	1/4	2,861.16	1/4	2,599.32	1/4	2,336.34	1/4	2,073.10	1/4	1,809.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,378.59	1/2	3,117.54	1/2	2,855.70	1/2	2,593.86	1/2	2,330.86	1/2	2,067.62	1/2	1,804.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,373.23	3/4	3,112.09	3/4	2,850.25	3/4	2,588.41	3/4	2,325.37	3/4	2,062.14	3/4	1,798.90
7	7	7	7	7	7	7	3,367.88	7	3,106.63	7	2,844.79	7	2,582.95	7	2,319.89	7	2,056.65	7	1,793.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,362.52	1/4	3,101.18	1/4	2,839.34	1/4	2,577.50	1/4	2,314.40	1/4	2,051.17	1/4	1,787.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,357.16	1/2	3,095.72	1/2	2,833.88	1/2	2,572.04	1/2	2,308.92	1/2	2,045.68	1/2	1,782.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,351.81	3/4	3,090.27	3/4	2,828.43	3/4	2,566.59	3/4	2,303.44	3/4	2,040.20	3/4	1,776.96
8	8	8	8	8	8	8	3,346.45	8	3,084.81	8	2,822.97	8	2,561.13	8	2,297.95	8	2,034.72	8	1,771.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,341.10	1/4	3,079.36	1/4	2,817.52	1/4	2,555.68	1/4	2,292.47	1/4	2,029.23	1/4	1,765.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,335.74	1/2	3,073.90	1/2	2,812.06	1/2	2,550.22	1/2	2,286.98	1/2	2,023.75	1/2	1,760.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,330.29	3/4	3,068.45	3/4	2,806.61	3/4	2,544.74	3/4	2,281.50	3/4	2,018.26	3/4	1,755.03
9	9	9	9	9	9	9	3,324.83	9	3,062.99	9	2,801.15	9	2,539.25	9	2,276.02	9	2,012.78	9	1,749.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,319.38	1/4	3,057.54	1/4	2,795.70	1/4	2,533.77	1/4	2,270.53	1/4	2,007.29	1/4	1,744.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,313.92	1/2	3,052.08	1/2	2,790.24	1/2	2,528.28	1/2	2,265.05	1/2	2,001.81	1/2	1,738.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,308.47	3/4	3,046.63	3/4	2,784.79	3/4	2,522.80	3/4	2,259.56	3/4	1,996.33	3/4	1,733.09
10	10	10	10	10	10	10	3,303.01	10	3,041.17	10	2,779.33	10	2,517.32	10	2,254.08	10	1,990.84	10	1,727.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,297.56	1/4	3,035.72	1/4	2,773.88	1/4	2,511.83	1/4	2,248.59	1/4	1,985.36	1/4	1,722.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,292.10	1/2	3,030.26	1/2	2,768.42	1/2	2,506.35	1/2	2,243.11	1/2	1,979.87	1/2	1,716.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,286.65	3/4	3,024.81	3/4	2,762.97	3/4	2,500.86	3/4	2,237.63	3/4	1,974.39	3/4	1,711.15
11	11	11	11	11	11	11	3,281.19	11	3,019.35	11	2,757.51	11	2,495.38	11	2,232.14	11	1,968.91	11	1,705.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,275.74	1/4	3,013.90	1/4	2,752.06	1/4	2,489.90	1/4	2,226.66	1/4	1,963.42	1/4	1,700.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,270.28	1/2	3,008.44	1/2	2,746.60	1/2	2,484.41	1/2	2,221.17	1/2	1,957.94	1/2	1,694.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,264.83	3/4	3,002.99	3/4	2,741.15	3/4	2,478.93	3/4	2,215.69	3/4	1,952.45	3/4	1,689.22

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 10111"

## 2 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	1,683.73	0	1,420.50	0	1,157.09	0	895.38	0	636.14	0	372.84	0	109.51	0		0			
1/4	1,678.25	1/4	1,415.01	1/4	1,151.61	1/4	889.98	1/4	630.69	1/4	367.35	1/4	104.04	1/4		1/4		1/4	
1/2	1,672.76	1/2	1,409.53	1/2	1,146.12	1/2	884.58	1/2	625.25	1/2	361.86	1/2	98.57	1/2		1/2		1/2	
3/4	1,667.28	3/4	1,404.04	3/4	1,140.63	3/4	879.17	3/4	619.76	3/4	356.38	3/4	93.12	3/4		3/4		3/4	
1	1,661.80	1	1,398.55	1	1,135.14	1	873.77	1	614.28	1	350.89	1	87.66	1		1		1	
1/4	1,656.31	1/4	1,393.06	1/4	1,129.65	1/4	868.37	1/4	608.79	1/4	345.40	1/4	82.21	1/4		1/4		1/4	
1/2	1,650.83	1/2	1,387.58	1/2	1,124.17	1/2	862.96	1/2	603.30	1/2	339.91	1/2	76.76	1/2		1/2		1/2	
3/4	1,645.34	3/4	1,382.09	3/4	1,118.68	3/4	857.56	3/4	597.81	3/4	334.43	3/4	71.33	3/4		3/4		3/4	
2	1,639.86	2	1,376.60	2	1,113.19	2	852.16	2	592.33	2	328.94	2	65.91	2		2		2	
1/4	1,634.38	1/4	1,371.11	1/4	1,107.70	1/4	846.76	1/4	586.84	1/4	323.45	1/4	60.49	1/4		1/4		1/4	
1/2	1,628.89	1/2	1,365.63	1/2	1,102.22	1/2	841.35	1/2	581.35	1/2	317.97	1/2	55.06	1/2		1/2		1/2	
3/4	1,623.41	3/4	1,360.14	3/4	1,096.73	3/4	835.95	3/4	575.86	3/4	312.48	3/4	49.69	3/4		3/4		3/4	
3	1,617.92	3	1,354.65	3	1,091.24	3	830.55	3	570.38	3	306.99	3	44.32	3		3		3	
1/4	1,612.44	1/4	1,349.16	1/4	1,085.75	1/4	825.15	1/4	564.89	1/4	301.50	1/4	38.94	1/4		1/4		1/4	
1/2	1,606.96	1/2	1,343.68	1/2	1,080.27	1/2	819.74	1/2	559.40	1/2	296.02	1/2	33.57	1/2		1/2		1/2	
3/4	1,601.47	3/4	1,338.19	3/4	1,074.78	3/4	814.34	3/4	553.92	3/4	290.53	3/4	29.00	3/4		3/4		3/4	
4	1,595.99	4	1,332.70	4	1,069.29	4	808.95	4	548.43	4	285.04	4	24.44	4		4		4	
1/4	1,590.50	1/4	1,327.21	1/4	1,063.80	1/4	803.55	1/4	542.94	1/4	279.56	1/4	19.87	1/4		1/4		1/4	
1/2	1,585.02	1/2	1,321.72	1/2	1,058.31	1/2	798.15	1/2	537.45	1/2	274.07	1/2	15.31	1/2		1/2		1/2	
3/4	1,579.53	3/4	1,316.24	3/4	1,052.83	3/4	792.75	3/4	531.97	3/4	268.58	3/4	12.57	3/4		3/4		3/4	
5	1,574.05	5	1,310.75	5	1,047.34	5	787.36	5	526.48	5	263.09	5	9.82	5		5		5	
1/4	1,568.57	1/4	1,305.26	1/4	1,041.85	1/4	781.96	1/4	520.99	1/4	257.61	1/4	7.08	1/4		1/4		1/4	
1/2	1,563.08	1/2	1,299.77	1/2	1,036.36	1/2	776.56	1/2	515.51	1/2	252.12	1/2	4.34	1/2		1/2		1/2	
3/4	1,557.60	3/4	1,294.29	3/4	1,030.88	3/4	771.16	3/4	510.02	3/4	246.63	3/4	3.42	3/4		3/4		3/4	
6	1,552.11	6	1,288.80	6	1,025.39	6	765.77	6	504.53	6	241.15	6	2.51	6		6		6	
1/4	1,546.63	1/4	1,283.31	1/4	1,019.90	1/4	760.37	1/4	499.04	1/4	235.66	1/4	1.59	1/4		1/4		1/4	
1/2	1,541.15	1/2	1,277.82	1/2	1,014.41	1/2	754.97	1/2	493.56	1/2	230.17	1/2	0.68	1/2		1/2		1/2	
3/4	1,535.66	3/4	1,272.34	3/4	1,008.97	3/4	749.57	3/4	488.07	3/4	224.68	3/4		3/4		3/4		3/4	
7	1,530.18	7	1,266.85	7	1,003.52	7	744.18	7	482.58	7	219.20	7		7		7		7	
1/4	1,524.69	1/4	1,261.36	1/4	998.08	1/4	738.78	1/4	477.09	1/4	213.71	1/4		1/4		1/4		1/4	
1/2	1,519.21	1/2	1,255.87	1/2	992.63	1/2	733.38	1/2	471.61	1/2	208.22	1/2		1/2		1/2		1/2	
3/4	1,513.73	3/4	1,250.38	3/4	987.23	3/4	727.98	3/4	466.12	3/4	202.73	3/4		3/4		3/4		3/4	
8	1,508.24	8	1,244.90	8	981.83	8	722.59	8	460.63	8	197.25	8		8		8		8	
1/4	1,502.76	1/4	1,239.41	1/4	976.42	1/4	717.19	1/4	455.15	1/4	191.76	1/4		1/4		1/4		1/4	
1/2	1,497.27	1/2	1,233.92	1/2	971.02	1/2	711.79	1/2	449.66	1/2	186.27	1/2		1/2		1/2		1/2	
3/4	1,491.79	3/4	1,228.43	3/4	965.62	3/4	706.39	3/4	444.17	3/4	180.79	3/4		3/4		3/4		3/4	
9	1,486.31	9	1,222.95	9	960.22	9	701.00	9	438.68	9	175.30	9		9		9		9	
1/4	1,480.82	1/4	1,217.46	1/4	954.81	1/4	695.60	1/4	433.20	1/4	169.81	1/4		1/4		1/4		1/4	
1/2	1,475.34	1/2	1,211.97	1/2	949.41	1/2	690.20	1/2	427.71	1/2	164.32	1/2		1/2		1/2		1/2	
3/4	1,469.85	3/4	1,206.48	3/4	944.01	3/4	684.80	3/4	422.22	3/4	158.84	3/4		3/4		3/4		3/4	
10	1,464.37	10	1,201.00	10	938.60	10	679.41	10	416.74	10	153.35	10		10		10		10	
1/4	1,458.88	1/4	1,195.51	1/4	933.20	1/4	674.01	1/4	411.25	1/4	147.86	1/4		1/4		1/4		1/4	
1/2	1,453.40	1/2	1,190.02	1/2	927.80	1/2	668.61	1/2	405.76	1/2	142.38	1/2		1/2		1/2		1/2	
3/4	1,447.92	3/4	1,184.53	3/4	922.40	3/4	663.22	3/4	400.27	3/4	136.90	3/4		3/4		3/4		3/4	
11	1,442.43	11	1,179.04	11	916.99	11	657.82	11	394.79	11	131.41	11		11		11		11	
1/4	1,436.95	1/4	1,173.56	1/4	911.59	1/4	652.42	1/4	389.30	1/4	125.93	1/4		1/4		1/4		1/4	
1/2	1,431.46	1/2	1,168.07	1/2	906.19	1/2	647.03	1/2	383.81	1/2	120.45	1/2		1/2		1/2		1/2	
3/4	1,425.98	3/4	1,162.58	3/4	900.78	3/4	641.58	3/4	378.33	3/4	114.98	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/13/2014 SW  
CALCULATED: 03/14/2014 CL  
VERIFIED: 04/11/2024 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2024

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



# BARGE "KIRBY 10111"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

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	3,449.23	0	3,229.99	0	2,970.43	0	2,710.86	0	2,450.86	0	2,189.91	0	1,928.95
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,448.32	1/4	3,224.58	1/4	2,965.02	1/4	2,705.45	1/4	2,445.43	1/4	2,184.47	1/4	1,923.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,447.42	1/2	3,219.18	1/2	2,959.61	1/2	2,700.05	1/2	2,439.99	1/2	2,179.03	1/2	1,918.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,446.51	3/4	3,213.77	3/4	2,954.20	3/4	2,694.64	3/4	2,434.55	3/4	2,173.60	3/4	1,912.64
1		1		1		1	3,445.60	1	3,208.36	1	2,948.80	1	2,689.23	1	2,429.12	1	2,168.16	1	1,907.20
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,442.88	1/4	3,202.95	1/4	2,943.39	1/4	2,683.82	1/4	2,423.68	1/4	2,162.72	1/4	1,901.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,440.16	1/2	3,197.55	1/2	2,937.98	1/2	2,678.42	1/2	2,418.24	1/2	2,157.29	1/2	1,896.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,437.44	3/4	3,192.14	3/4	2,932.57	3/4	2,673.01	3/4	2,412.81	3/4	2,151.85	3/4	1,890.89
2		2		2		2	3,434.72	2	3,186.73	2	2,927.17	2	2,667.60	2	2,407.37	2	2,146.41	2	1,885.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,430.32	1/4	3,181.32	1/4	2,921.76	1/4	2,662.19	1/4	2,401.93	1/4	2,140.98	1/4	1,880.02
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,425.92	1/2	3,175.92	1/2	2,916.35	1/2	2,656.79	1/2	2,396.50	1/2	2,135.54	1/2	1,874.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,421.51	3/4	3,170.51	3/4	2,910.94	3/4	2,651.38	3/4	2,391.06	3/4	2,130.10	3/4	1,869.15
3		3		3		3	3,417.11	3	3,165.10	3	2,905.54	3	2,645.97	3	2,385.62	3	2,124.67	3	1,863.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,411.84	1/4	3,159.69	1/4	2,900.13	1/4	2,640.56	1/4	2,380.19	1/4	2,119.23	1/4	1,858.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,406.57	1/2	3,154.29	1/2	2,894.72	1/2	2,635.16	1/2	2,374.75	1/2	2,113.79	1/2	1,852.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,401.30	3/4	3,148.88	3/4	2,889.31	3/4	2,629.75	3/4	2,369.31	3/4	2,108.36	3/4	1,847.40
4		4		4		4	3,396.03	4	3,143.47	4	2,883.91	4	2,624.34	4	2,363.88	4	2,102.92	4	1,841.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,390.73	1/4	3,138.06	1/4	2,878.50	1/4	2,618.93	1/4	2,358.44	1/4	2,097.48	1/4	1,836.53
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,385.43	1/2	3,132.65	1/2	2,873.09	1/2	2,613.53	1/2	2,353.00	1/2	2,092.05	1/2	1,831.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,380.13	3/4	3,127.25	3/4	2,867.68	3/4	2,608.12	3/4	2,347.57	3/4	2,086.61	3/4	1,825.65
5		5		5		5	3,374.83	5	3,121.84	5	2,862.27	5	2,602.71	5	2,342.13	5	2,081.17	5	1,820.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,369.52	1/4	3,116.43	1/4	2,856.87	1/4	2,597.30	1/4	2,336.69	1/4	2,075.74	1/4	1,814.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,364.20	1/2	3,111.02	1/2	2,851.46	1/2	2,591.89	1/2	2,331.26	1/2	2,070.30	1/2	1,809.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,358.89	3/4	3,105.62	3/4	2,846.05	3/4	2,586.49	3/4	2,325.82	3/4	2,064.86	3/4	1,803.91
6		6		6		6	3,353.57	6	3,100.21	6	2,840.64	6	2,581.08	6	2,320.38	6	2,059.43	6	1,798.47
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,348.27	1/4	3,094.80	1/4	2,835.24	1/4	2,575.67	1/4	2,314.95	1/4	2,053.99	1/4	1,793.03
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,342.96	1/2	3,089.39	1/2	2,829.83	1/2	2,570.26	1/2	2,309.51	1/2	2,048.55	1/2	1,787.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,337.65	3/4	3,083.99	3/4	2,824.42	3/4	2,564.86	3/4	2,304.07	3/4	2,043.12	3/4	1,782.16
7		7		7		7	3,332.34	7	3,078.58	7	2,819.01	7	2,559.45	7	2,298.64	7	2,037.68	7	1,776.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,327.03	1/4	3,073.17	1/4	2,813.61	1/4	2,554.04	1/4	2,293.20	1/4	2,032.24	1/4	1,771.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,321.72	1/2	3,067.76	1/2	2,808.20	1/2	2,548.63	1/2	2,287.76	1/2	2,026.81	1/2	1,765.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,316.41	3/4	3,062.36	3/4	2,802.79	3/4	2,543.23	3/4	2,282.33	3/4	2,021.37	3/4	1,760.41
8		8		8		8	3,311.11	8	3,056.95	8	2,797.38	8	2,537.82	8	2,276.89	8	2,015.93	8	1,754.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,305.79	1/4	3,051.54	1/4	2,791.98	1/4	2,532.41	1/4	2,271.45	1/4	2,010.50	1/4	1,749.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,300.29	1/2	3,046.13	1/2	2,786.57	1/2	2,526.97	1/2	2,266.02	1/2	2,005.06	1/2	1,744.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,294.88	3/4	3,040.73	3/4	2,781.16	3/4	2,521.54	3/4	2,260.58	3/4	1,999.62	3/4	1,738.67
9		9		9		9	3,289.48	9	3,035.32	9	2,775.75	9	2,516.10	9	2,255.14	9	1,994.19	9	1,733.23
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,284.07	1/4	3,029.91	1/4	2,770.35	1/4	2,510.66	1/4	2,249.71	1/4	1,988.75	1/4	1,727.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,278.66	1/2	3,024.50	1/2	2,764.94	1/2	2,505.23	1/2	2,244.27	1/2	1,983.31	1/2	1,722.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,273.25	3/4	3,019.10	3/4	2,759.53	3/4	2,499.79	3/4	2,238.83	3/4	1,977.88	3/4	1,716.92
10		10		10		10	3,267.84	10	3,013.69	10	2,754.12	10	2,494.36	10	2,233.40	10	1,972.44	10	1,711.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,262.44	1/4	3,008.28	1/4	2,748.72	1/4	2,488.92	1/4	2,227.96	1/4	1,967.00	1/4	1,706.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,257.03	1/2	3,002.87	1/2	2,743.31	1/2	2,483.48	1/2	2,222.53	1/2	1,961.57	1/2	1,700.61
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,251.62	3/4	2,997.46	3/4	2,737.90	3/4	2,478.05	3/4	2,217.09	3/4	1,956.13	3/4	1,695.17
11		11		11		11	3,246.21	11	2,992.06	11	2,732.49	11	2,472.61	11	2,211.65	11	1,950.70	11	1,689.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,240.81	1/4	2,986.65	1/4	2,727.08	1/4	2,467.17	1/4	2,206.22	1/4	1,945.26	1/4	1,684.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,235.40	1/2	2,981.24	1/2	2,721.68	1/2	2,461.74	1/2	2,200.78	1/2	1,939.82	1/2	1,678.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4		3/4	2,975.83	3/4	2,716.27	3/4	2,456.30	3/4	2,195.34	3/4	1,934.39	3/4	1,673.43

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 10111"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,667.99	0	1,407.04	0	1,145.91	0	885.62	0	625.28	0	364.18	0	103.15	0		0			
1/4	1,662.56	1/4	1,401.60	1/4	1,140.47	1/4	880.21	1/4	619.85	1/4	358.74	1/4	97.72	1/4		1/4		1/4	
1/2	1,657.12	1/2	1,396.16	1/2	1,135.03	1/2	874.81	1/2	614.41	1/2	353.30	1/2	92.32	1/2		1/2		1/2	
3/4	1,651.68	3/4	1,390.72	3/4	1,129.59	3/4	869.41	3/4	608.97	3/4	347.86	3/4	86.91	3/4		3/4		3/4	
1	1,646.25	1	1,385.28	1	1,124.15	1	864.00	1	603.53	1	342.42	1	81.51	1		1		1	
1/4	1,640.81	1/4	1,379.84	1/4	1,118.71	1/4	858.60	1/4	598.09	1/4	336.98	1/4	76.10	1/4		1/4		1/4	
1/2	1,635.37	1/2	1,374.40	1/2	1,113.27	1/2	853.19	1/2	592.65	1/2	331.54	1/2	70.73	1/2		1/2		1/2	
3/4	1,629.94	3/4	1,368.96	3/4	1,107.83	3/4	847.79	3/4	587.21	3/4	326.10	3/4	65.35	3/4		3/4		3/4	
2	1,624.50	2	1,363.52	2	1,102.39	2	842.39	2	581.77	2	320.66	2	59.97	2		2		2	
1/4	1,619.06	1/4	1,358.08	1/4	1,096.95	1/4	836.98	1/4	576.33	1/4	315.22	1/4	54.60	1/4		1/4		1/4	
1/2	1,613.63	1/2	1,352.64	1/2	1,091.51	1/2	831.58	1/2	570.89	1/2	309.78	1/2	49.27	1/2		1/2		1/2	
3/4	1,608.19	3/4	1,347.20	3/4	1,086.07	3/4	826.17	3/4	565.45	3/4	304.34	3/4	43.94	3/4		3/4		3/4	
3	1,602.75	3	1,341.76	3	1,080.63	3	820.77	3	560.01	3	298.90	3	38.61	3		3		3	
1/4	1,597.32	1/4	1,336.32	1/4	1,075.19	1/4	815.37	1/4	554.57	1/4	293.46	1/4	33.29	1/4		1/4		1/4	
1/2	1,591.88	1/2	1,330.88	1/2	1,069.75	1/2	809.97	1/2	549.13	1/2	288.02	1/2	28.76	1/2		1/2		1/2	
3/4	1,586.44	3/4	1,325.44	3/4	1,064.31	3/4	804.57	3/4	543.69	3/4	282.59	3/4	24.24	3/4		3/4		3/4	
4	1,581.01	4	1,320.00	4	1,058.87	4	799.17	4	538.25	4	277.15	4	19.71	4		4		4	
1/4	1,575.57	1/4	1,314.56	1/4	1,053.43	1/4	793.77	1/4	532.81	1/4	271.71	1/4	15.18	1/4		1/4		1/4	
1/2	1,570.13	1/2	1,309.12	1/2	1,047.99	1/2	788.34	1/2	527.37	1/2	266.27	1/2	12.47	1/2		1/2		1/2	
3/4	1,564.70	3/4	1,303.67	3/4	1,042.55	3/4	782.90	3/4	521.93	3/4	260.83	3/4	9.75	3/4		3/4		3/4	
5	1,559.26	5	1,298.23	5	1,037.11	5	777.47	5	516.49	5	255.39	5	7.03	5		5		5	
1/4	1,553.82	1/4	1,292.79	1/4	1,031.66	1/4	772.03	1/4	511.05	1/4	249.95	1/4	4.31	1/4		1/4		1/4	
1/2	1,548.39	1/2	1,287.35	1/2	1,026.22	1/2	766.60	1/2	505.61	1/2	244.51	1/2	3.40	1/2		1/2		1/2	
3/4	1,542.95	3/4	1,281.91	3/4	1,020.78	3/4	761.16	3/4	500.17	3/4	239.07	3/4	2.49	3/4		3/4		3/4	
6	1,537.51	6	1,276.47	6	1,015.34	6	755.73	6	494.73	6	233.63	6	1.59	6		6		6	
1/4	1,532.08	1/4	1,271.03	1/4	1,009.90	1/4	750.29	1/4	489.29	1/4	228.19	1/4	0.68	1/4		1/4		1/4	
1/2	1,526.64	1/2	1,265.59	1/2	1,004.50	1/2	744.86	1/2	483.85	1/2	222.75	1/2		1/2		1/2		1/2	
3/4	1,521.20	3/4	1,260.15	3/4	999.10	3/4	739.43	3/4	478.41	3/4	217.31	3/4		3/4		3/4		3/4	
7	1,515.77	7	1,254.71	7	993.69	7	733.99	7	472.97	7	211.87	7		7		7		7	
1/4	1,510.33	1/4	1,249.27	1/4	988.29	1/4	728.56	1/4	467.53	1/4	206.43	1/4		1/4		1/4		1/4	
1/2	1,504.89	1/2	1,243.83	1/2	982.89	1/2	723.12	1/2	462.10	1/2	200.99	1/2		1/2		1/2		1/2	
3/4	1,499.46	3/4	1,238.39	3/4	977.48	3/4	717.69	3/4	456.66	3/4	195.55	3/4		3/4		3/4		3/4	
8	1,494.02	8	1,232.95	8	972.08	8	712.25	8	451.22	8	190.11	8		8		8		8	
1/4	1,488.58	1/4	1,227.51	1/4	966.67	1/4	706.82	1/4	445.78	1/4	184.67	1/4		1/4		1/4		1/4	
1/2	1,483.15	1/2	1,222.07	1/2	961.27	1/2	701.38	1/2	440.34	1/2	179.23	1/2		1/2		1/2		1/2	
3/4	1,477.71	3/4	1,216.63	3/4	955.87	3/4	695.95	3/4	434.90	3/4	173.79	3/4		3/4		3/4		3/4	
9	1,472.27	9	1,211.19	9	950.46	9	690.51	9	429.46	9	168.35	9		9		9		9	
1/4	1,466.84	1/4	1,205.75	1/4	945.06	1/4	685.08	1/4	424.02	1/4	162.91	1/4		1/4		1/4		1/4	
1/2	1,461.40	1/2	1,200.31	1/2	939.65	1/2	679.64	1/2	418.58	1/2	157.47	1/2		1/2		1/2		1/2	
3/4	1,455.96	3/4	1,194.87	3/4	934.25	3/4	674.21	3/4	413.14	3/4	152.03	3/4		3/4		3/4		3/4	
10	1,450.53	10	1,189.43	10	928.85	10	668.77	10	407.70	10	146.59	10		10		10		10	
1/4	1,445.09	1/4	1,183.99	1/4	923.44	1/4	663.34	1/4	402.26	1/4	141.15	1/4		1/4		1/4		1/4	
1/2	1,439.65	1/2	1,178.55	1/2	918.04	1/2	657.90	1/2	396.82	1/2	135.72	1/2		1/2		1/2		1/2	
3/4	1,434.22	3/4	1,173.11	3/4	912.64	3/4	652.47	3/4	391.38	3/4	130.29	3/4		3/4		3/4		3/4	
11	1,428.78	11	1,167.67	11	907.23	11	647.04	11	385.94	11	124.85	11		11		11		11	
1/4	1,423.34	1/4	1,162.23	1/4	901.83	1/4	641.60	1/4	380.50	1/4	119.42	1/4		1/4		1/4		1/4	
1/2	1,417.91	1/2	1,156.79	1/2	896.42	1/2	636.16	1/2	375.06	1/2	113.99	1/2		1/2		1/2		1/2	
3/4	1,412.47	3/4	1,151.35	3/4	891.02	3/4	630.72	3/4	369.62	3/4	108.57	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/13/2014 SW  
CALCULATED: 03/14/2014 CL  
VERIFIED: 04/11/2024 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2024

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