



BARGE "KIRBY 10241"

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	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8
3 CENTER	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	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"

August 22, 2012

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

<http://www.pmacorp.net>



BARGE "KIRBY 10241"

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	1,880.58	0	1,583.45	0	1,286.16	0	988.87	0	697.64	0	400.19	0	102.75	0		0		0	
1/4	1,874.40	1/4	1,577.26	1/4	1,279.97	1/4	982.67	1/4	691.46	1/4	393.99	1/4	96.58	1/4	1/4	1/4		1/4	
1/2	1,868.21	1/2	1,571.07	1/2	1,273.77	1/2	976.48	1/2	685.28	1/2	387.79	1/2	90.41	1/2	1/2	1/2		1/2	
3/4	1,862.03	3/4	1,564.87	3/4	1,267.58	3/4	970.35	3/4	679.09	3/4	381.59	3/4	84.28	3/4	3/4	3/4		3/4	
1	1,855.84	1	1,558.68	1	1,261.39	1	964.22	1	672.89	1	375.40	1	78.14	1	1	1		1	
1/4	1,849.66	1/4	1,552.48	1/4	1,255.19	1/4	958.09	1/4	666.69	1/4	369.20	1/4	72.00	1/4	1/4	1/4		1/4	
1/2	1,843.47	1/2	1,546.29	1/2	1,249.00	1/2	951.96	1/2	660.50	1/2	363.00	1/2	65.86	1/2	1/2	1/2		1/2	
3/4	1,837.29	3/4	1,540.10	3/4	1,242.80	3/4	945.89	3/4	654.30	3/4	356.80	3/4	59.78	3/4	3/4	3/4		3/4	
2	1,831.10	2	1,533.90	2	1,236.61	2	939.82	2	648.10	2	350.61	2	53.70	2	2	2		2	
1/4	1,824.92	1/4	1,527.71	1/4	1,230.42	1/4	933.75	1/4	641.91	1/4	344.41	1/4	47.62	1/4	1/4	1/4		1/4	
1/2	1,818.73	1/2	1,521.52	1/2	1,224.22	1/2	927.69	1/2	635.71	1/2	338.21	1/2	41.54	1/2	1/2	1/2		1/2	
3/4	1,812.54	3/4	1,515.32	3/4	1,218.03	3/4	921.62	3/4	629.51	3/4	332.01	3/4	36.37	3/4	3/4	3/4		3/4	
3	1,806.34	3	1,509.13	3	1,211.84	3	915.55	3	623.31	3	325.81	3	31.21	3	3	3		3	
1/4	1,800.15	1/4	1,502.94	1/4	1,205.64	1/4	909.49	1/4	617.11	1/4	319.62	1/4	26.04	1/4	1/4	1/4		1/4	
1/2	1,793.96	1/2	1,496.74	1/2	1,199.45	1/2	903.42	1/2	610.92	1/2	313.42	1/2	20.87	1/2	1/2	1/2		1/2	
3/4	1,787.76	3/4	1,490.55	3/4	1,193.26	3/4	897.37	3/4	604.72	3/4	307.22	3/4	17.77	3/4	3/4	3/4		3/4	
4	1,781.57	4	1,484.35	4	1,187.06	4	891.32	4	598.52	4	301.02	4	14.67	4	4	4		4	
1/4	1,775.38	1/4	1,478.16	1/4	1,180.87	1/4	885.27	1/4	592.32	1/4	294.82	1/4	11.56	1/4	1/4	1/4		1/4	
1/2	1,769.18	1/2	1,471.97	1/2	1,174.67	1/2	879.22	1/2	586.13	1/2	288.63	1/2	8.46	1/2	1/2	1/2		1/2	
3/4	1,762.99	3/4	1,465.77	3/4	1,168.48	3/4	873.18	3/4	579.93	3/4	282.43	3/4	7.42	3/4	3/4	3/4		3/4	
5	1,756.80	5	1,459.58	5	1,162.29	5	867.15	5	573.73	5	276.23	5	6.39	5	5	5		5	
1/4	1,750.60	1/4	1,453.39	1/4	1,156.09	1/4	861.12	1/4	567.53	1/4	270.03	1/4	5.35	1/4	1/4	1/4		1/4	
1/2	1,744.41	1/2	1,447.19	1/2	1,149.90	1/2	855.08	1/2	561.33	1/2	263.83	1/2	4.32	1/2	1/2	1/2		1/2	
3/4	1,738.22	3/4	1,441.00	3/4	1,143.71	3/4	849.05	3/4	555.14	3/4	257.64	3/4		3/4	3/4	3/4		3/4	
6	1,732.03	6	1,434.81	6	1,137.51	6	843.01	6	548.94	6	251.44	6		6	6	6		6	
1/4	1,725.84	1/4	1,428.61	1/4	1,131.32	1/4	836.98	1/4	542.74	1/4	245.24	1/4		1/4	1/4	1/4		1/4	
1/2	1,719.64	1/2	1,422.42	1/2	1,125.13	1/2	830.94	1/2	536.54	1/2	239.04	1/2		1/2	1/2	1/2		1/2	
3/4	1,713.45	3/4	1,416.23	3/4	1,118.93	3/4	824.91	3/4	530.34	3/4	232.85	3/4		3/4	3/4	3/4		3/4	
7	1,707.26	7	1,410.03	7	1,112.74	7	818.88	7	524.15	7	226.65	7		7	7	7		7	
1/4	1,701.07	1/4	1,403.84	1/4	1,106.55	1/4	812.84	1/4	517.95	1/4	220.45	1/4		1/4	1/4	1/4		1/4	
1/2	1,694.88	1/2	1,397.64	1/2	1,100.35	1/2	806.81	1/2	511.75	1/2	214.25	1/2		1/2	1/2	1/2		1/2	
3/4	1,688.69	3/4	1,391.45	3/4	1,094.16	3/4	800.77	3/4	505.55	3/4	208.05	3/4		3/4	3/4	3/4		3/4	
8	1,682.50	8	1,385.26	8	1,087.96	8	794.74	8	499.35	8	201.86	8		8	8	8		8	
1/4	1,676.31	1/4	1,379.06	1/4	1,081.77	1/4	788.70	1/4	493.16	1/4	195.66	1/4		1/4	1/4	1/4		1/4	
1/2	1,670.12	1/2	1,372.87	1/2	1,075.58	1/2	782.67	1/2	486.96	1/2	189.46	1/2		1/2	1/2	1/2		1/2	
3/4	1,663.93	3/4	1,366.68	3/4	1,069.38	3/4	776.64	3/4	480.76	3/4	183.26	3/4		3/4	3/4	3/4		3/4	
9	1,657.74	9	1,360.48	9	1,063.19	9	770.60	9	474.56	9	177.07	9		9	9	9		9	
1/4	1,651.55	1/4	1,354.29	1/4	1,057.00	1/4	764.57	1/4	468.37	1/4	170.87	1/4		1/4	1/4	1/4		1/4	
1/2	1,645.36	1/2	1,348.10	1/2	1,050.80	1/2	758.53	1/2	462.17	1/2	164.67	1/2		1/2	1/2	1/2		1/2	
3/4	1,639.17	3/4	1,341.90	3/4	1,044.61	3/4	752.50	3/4	455.97	3/4	158.47	3/4		3/4	3/4	3/4		3/4	
10	1,632.98	10	1,335.71	10	1,038.42	10	746.46	10	449.77	10	152.26	10		10	10	10		10	
1/4	1,626.79	1/4	1,329.51	1/4	1,032.22	1/4	740.43	1/4	443.57	1/4	146.06	1/4		1/4	1/4	1/4		1/4	
1/2	1,620.60	1/2	1,323.32	1/2	1,026.03	1/2	734.40	1/2	437.38	1/2	139.86	1/2		1/2	1/2	1/2		1/2	
3/4	1,614.41	3/4	1,317.13	3/4	1,019.83	3/4	728.30	3/4	431.18	3/4	133.67	3/4		3/4	3/4	3/4		3/4	
11	1,608.22	11	1,310.93	11	1,013.64	11	722.20	11	424.98	11	127.48	11		11	11	11		11	
1/4	1,602.03	1/4	1,304.74	1/4	1,007.45	1/4	716.10	1/4	418.78	1/4	121.29	1/4		1/4	1/4	1/4		1/4	
1/2	1,595.84	1/2	1,298.55	1/2	1,001.25	1/2	710.00	1/2	412.58	1/2	115.09	1/2		1/2	1/2	1/2		1/2	
3/4	1,589.65	3/4	1,292.35	3/4	995.06	3/4	703.82	3/4	406.39	3/4	108.92	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/22/2012 CL - SW
CALCULATED: 08/22/2012 CL
PRINTED: 08/22/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2012

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 10241"

**2 CENTER
ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	0	0	0	3,470.31	0	3,230.21	0	2,968.53	0	2,706.85	0	2,444.61	0	2,181.52	0	1,918.43		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,469.40	1/4	3,224.76	1/4	2,963.08	1/4	2,701.39	1/4	2,439.13	1/4	2,176.04	1/4	1,912.95		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,466.65	1/2	3,219.31	1/2	2,957.62	1/2	2,695.94	1/2	2,433.65	1/2	2,170.56	1/2	1,907.47		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,463.91	3/4	3,213.85	3/4	2,952.17	3/4	2,690.49	3/4	2,428.16	3/4	2,165.08	3/4	1,901.99		
1	1	1	1	1	1	1	3,461.17	1	3,208.40	1	2,948.72	1	2,685.04	1	2,422.68	1	2,159.60	1	1,896.51		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,458.43	1/4	3,202.95	1/4	2,941.27	1/4	2,679.59	1/4	2,417.20	1/4	2,154.11	1/4	1,891.03		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,453.99	1/2	3,197.50	1/2	2,935.82	1/2	2,674.14	1/2	2,411.72	1/2	2,148.63	1/2	1,885.55		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,449.55	3/4	3,192.05	3/4	2,930.37	3/4	2,668.68	3/4	2,406.24	3/4	2,143.15	3/4	1,880.06		
2	2	2	2	2	2	2	3,445.11	2	3,186.60	2	2,924.91	2	2,663.23	2	2,400.76	2	2,137.67	2	1,874.58		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,440.67	1/4	3,181.14	1/4	2,919.46	1/4	2,657.78	1/4	2,395.28	1/4	2,132.19	1/4	1,869.10		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,435.35	1/2	3,175.69	1/2	2,914.01	1/2	2,652.33	1/2	2,389.80	1/2	2,126.71	1/2	1,863.62		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,430.04	3/4	3,170.24	3/4	2,908.56	3/4	2,646.88	3/4	2,384.32	3/4	2,121.23	3/4	1,858.14		
3	3	3	3	3	3	3	3,424.73	3	3,164.79	3	2,903.11	3	2,641.43	3	2,378.84	3	2,115.75	3	1,852.66		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,419.42	1/4	3,159.34	1/4	2,897.66	1/4	2,635.97	1/4	2,373.35	1/4	2,110.27	1/4	1,847.18		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,414.07	1/2	3,153.89	1/2	2,892.20	1/2	2,630.52	1/2	2,367.87	1/2	2,104.79	1/2	1,841.70		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,408.73	3/4	3,148.43	3/4	2,886.75	3/4	2,625.07	3/4	2,362.39	3/4	2,099.30	3/4	1,836.22		
4	4	4	4	4	4	4	3,403.38	4	3,142.98	4	2,881.30	4	2,619.62	4	2,356.91	4	2,093.82	4	1,830.74		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,398.04	1/4	3,137.53	1/4	2,875.85	1/4	2,614.17	1/4	2,351.43	1/4	2,088.34	1/4	1,825.25		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,392.68	1/2	3,132.08	1/2	2,870.40	1/2	2,608.72	1/2	2,345.95	1/2	2,082.86	1/2	1,819.77		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,387.33	3/4	3,126.63	3/4	2,864.95	3/4	2,603.26	3/4	2,340.47	3/4	2,077.38	3/4	1,814.29		
5	5	5	5	5	5	5	3,381.97	5	3,121.18	5	2,859.49	5	2,597.81	5	2,334.99	5	2,071.90	5	1,808.81		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,376.62	1/4	3,115.72	1/4	2,854.04	1/4	2,592.36	1/4	2,329.51	1/4	2,066.42	1/4	1,803.33		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,371.26	1/2	3,110.27	1/2	2,848.59	1/2	2,586.91	1/2	2,324.03	1/2	2,060.94	1/2	1,797.85		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,365.91	3/4	3,104.82	3/4	2,843.14	3/4	2,581.46	3/4	2,318.54	3/4	2,055.46	3/4	1,792.37		
6	6	6	6	6	6	6	3,360.56	6	3,099.37	6	2,837.69	6	2,576.01	6	2,313.06	6	2,049.98	6	1,786.89		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,355.20	1/4	3,093.92	1/4	2,832.24	1/4	2,570.55	1/4	2,307.58	1/4	2,044.49	1/4	1,781.41		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,349.85	1/2	3,088.47	1/2	2,826.78	1/2	2,565.10	1/2	2,302.10	1/2	2,039.01	1/2	1,775.93		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,344.50	3/4	3,083.01	3/4	2,821.33	3/4	2,559.65	3/4	2,296.62	3/4	2,033.53	3/4	1,770.44		
7	7	7	7	7	7	7	3,339.15	7	3,077.56	7	2,815.88	7	2,554.20	7	2,291.14	7	2,028.05	7	1,764.96		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,333.79	1/4	3,072.11	1/4	2,810.43	1/4	2,548.75	1/4	2,285.66	1/4	2,022.57	1/4	1,759.48		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,328.34	1/2	3,066.66	1/2	2,804.98	1/2	2,543.27	1/2	2,280.18	1/2	2,017.09	1/2	1,754.00		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,322.89	3/4	3,061.21	3/4	2,799.53	3/4	2,537.78	3/4	2,274.70	3/4	2,011.61	3/4	1,748.52		
8	8	8	8	8	8	8	3,317.44	8	3,055.76	8	2,794.07	8	2,532.30	8	2,269.22	8	2,006.13	8	1,743.04		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,311.99	1/4	3,050.30	1/4	2,788.62	1/4	2,526.82	1/4	2,263.73	1/4	2,000.65	1/4	1,737.56		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,306.53	1/2	3,044.85	1/2	2,783.17	1/2	2,521.34	1/2	2,258.25	1/2	1,995.17	1/2	1,732.08		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,301.08	3/4	3,039.40	3/4	2,777.72	3/4	2,515.86	3/4	2,252.77	3/4	1,989.68	3/4	1,726.60		
9	9	9	9	9	9	9	3,295.63	9	3,033.95	9	2,772.27	9	2,510.38	9	2,247.29	9	1,984.20	9	1,721.12		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,290.18	1/4	3,028.50	1/4	2,766.81	1/4	2,504.90	1/4	2,241.81	1/4	1,978.72	1/4	1,715.63		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,284.73	1/2	3,023.04	1/2	2,761.36	1/2	2,499.42	1/2	2,236.33	1/2	1,973.24	1/2	1,710.15		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,279.27	3/4	3,017.59	3/4	2,755.91	3/4	2,493.94	3/4	2,230.85	3/4	1,967.76	3/4	1,704.67		
10	10	10	10	10	10	10	3,273.82	10	3,012.14	10	2,750.46	10	2,488.46	10	2,225.37	10	1,962.28	10	1,699.19		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,268.37	1/4	3,006.69	1/4	2,745.01	1/4	2,482.97	1/4	2,219.89	1/4	1,956.80	1/4	1,693.71		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,262.92	1/2	3,001.24	1/2	2,739.56	1/2	2,477.49	1/2	2,214.41	1/2	1,951.32	1/2	1,688.23		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,257.47	3/4	2,995.79	3/4	2,734.10	3/4	2,472.01	3/4	2,208.92	3/4	1,945.84	3/4	1,682.75		
11	11	11	11	11	11	11	3,252.02	11	2,990.33	11	2,728.65	11	2,466.53	11	2,203.44	11	1,940.36	11	1,677.27		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,473.05	1/4	3,246.56	1/4	2,984.88	1/4	2,723.20	1/4	2,461.05	1/4	2,197.96	1/4	1,934.87	1/4	1,671.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,472.14	1/2	3,241.11	1/2	2,979.43	1/2	2,717.75	1/2	2,455.57	1/2	2,192.48	1/2	1,929.39	1/2	1,666.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,471.23	3/4	3,235.66	3/4	2,973.98	3/4	2,712.30	3/4	2,450.09	3/4	2,187.00	3/4	1,923.91	3/4	1,660.82

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'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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 Pearland, Texas 77588
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BARGE "KIRBY 10241"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,655.34	0	1,392.25	0	1,128.99	0	867.86	0	608.43	0	345.20	0	82.16	0		0		0	
1/4	1,649.86	1/4	1,386.76	1/4	1,123.51	1/4	862.46	1/4	602.95	1/4	339.72	1/4	76.71	1/4	1/4	1/4		1/4	1/4
1/2	1,644.38	1/2	1,381.28	1/2	1,118.03	1/2	857.06	1/2	597.46	1/2	334.23	1/2	71.29	1/2	1/2	1/2		1/2	1/2
3/4	1,638.90	3/4	1,375.79	3/4	1,112.54	3/4	851.66	3/4	591.98	3/4	328.75	3/4	65.87	3/4	3/4	3/4		3/4	3/4
1	1,633.42	1	1,370.31	1	1,107.06	1	846.26	1	586.50	1	323.26	1	60.45	1	1	1		1	1
1/4	1,627.94	1/4	1,364.82	1/4	1,101.57	1/4	840.86	1/4	581.01	1/4	317.78	1/4	55.03	1/4	1/4	1/4		1/4	1/4
1/2	1,622.46	1/2	1,359.34	1/2	1,096.09	1/2	835.46	1/2	575.53	1/2	312.30	1/2	49.66	1/2	1/2	1/2		1/2	1/2
3/4	1,616.98	3/4	1,353.85	3/4	1,090.60	3/4	830.06	3/4	570.04	3/4	306.81	3/4	44.29	3/4	3/4	3/4		3/4	3/4
2	1,611.50	2	1,348.37	2	1,085.12	2	824.66	2	564.56	2	301.33	2	38.92	2	2	2		2	2
1/4	1,606.01	1/4	1,342.89	1/4	1,079.63	1/4	819.26	1/4	559.08	1/4	295.84	1/4	33.55	1/4	1/4	1/4		1/4	1/4
1/2	1,600.53	1/2	1,337.40	1/2	1,074.15	1/2	813.87	1/2	553.59	1/2	290.36	1/2	28.99	1/2	1/2	1/2		1/2	1/2
3/4	1,595.05	3/4	1,331.92	3/4	1,068.67	3/4	808.47	3/4	548.11	3/4	284.88	3/4	24.42	3/4	3/4	3/4		3/4	3/4
3	1,589.57	3	1,326.43	3	1,063.18	3	803.08	3	542.62	3	279.39	3	19.86	3	3	3		3	3
1/4	1,584.09	1/4	1,320.95	1/4	1,057.70	1/4	797.69	1/4	537.14	1/4	273.91	1/4	15.30	1/4	1/4	1/4		1/4	1/4
1/2	1,578.61	1/2	1,315.46	1/2	1,052.21	1/2	792.29	1/2	531.66	1/2	268.42	1/2	12.56	1/2	1/2	1/2		1/2	1/2
3/4	1,573.13	3/4	1,309.98	3/4	1,046.73	3/4	786.90	3/4	526.17	3/4	262.94	3/4	9.82	3/4	3/4	3/4		3/4	3/4
4	1,567.65	4	1,304.50	4	1,041.24	4	781.50	4	520.69	4	257.46	4	7.07	4	4	4		4	4
1/4	1,562.17	1/4	1,299.01	1/4	1,035.76	1/4	776.11	1/4	515.20	1/4	251.97	1/4	4.33	1/4	1/4	1/4		1/4	1/4
1/2	1,556.69	1/2	1,293.53	1/2	1,030.28	1/2	770.71	1/2	509.72	1/2	246.49	1/2	3.42	1/2	1/2	1/2		1/2	1/2
3/4	1,551.20	3/4	1,288.04	3/4	1,024.79	3/4	765.32	3/4	504.24	3/4	241.00	3/4	2.51	3/4	3/4	3/4		3/4	3/4
5	1,545.72	5	1,282.56	5	1,019.31	5	759.93	5	498.75	5	235.52	5	1.59	5	5	5		5	5
1/4	1,540.24	1/4	1,277.07	1/4	1,013.82	1/4	754.53	1/4	493.27	1/4	230.04	1/4	0.68	1/4	1/4	1/4		1/4	1/4
1/2	1,534.76	1/2	1,271.59	1/2	1,008.38	1/2	749.14	1/2	487.78	1/2	224.55	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,529.28	3/4	1,266.10	3/4	1,002.94	3/4	743.74	3/4	482.30	3/4	219.07	3/4		3/4	3/4	3/4		3/4	3/4
6	1,523.80	6	1,260.62	6	997.50	6	738.35	6	476.82	6	213.58	6		6	6	6		6	6
1/4	1,518.32	1/4	1,255.14	1/4	992.05	1/4	732.95	1/4	471.33	1/4	208.10	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,512.84	1/2	1,249.65	1/2	986.65	1/2	727.56	1/2	465.85	1/2	202.62	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,507.36	3/4	1,244.17	3/4	981.25	3/4	722.17	3/4	460.36	3/4	197.13	3/4		3/4	3/4	3/4		3/4	3/4
7	1,501.88	7	1,238.68	7	975.85	7	716.77	7	454.88	7	191.65	7		7	7	7		7	7
1/4	1,496.39	1/4	1,233.20	1/4	970.45	1/4	711.38	1/4	449.40	1/4	186.16	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,490.91	1/2	1,227.71	1/2	965.05	1/2	705.98	1/2	443.91	1/2	180.68	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,485.43	3/4	1,222.23	3/4	959.66	3/4	700.59	3/4	438.43	3/4	175.20	3/4		3/4	3/4	3/4		3/4	3/4
8	1,479.95	8	1,216.74	8	954.26	8	695.19	8	432.94	8	169.71	8		8	8	8		8	8
1/4	1,474.47	1/4	1,211.26	1/4	948.86	1/4	689.80	1/4	427.46	1/4	164.23	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,468.99	1/2	1,205.78	1/2	943.46	1/2	684.41	1/2	421.98	1/2	158.75	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,463.51	3/4	1,200.29	3/4	938.06	3/4	679.01	3/4	416.49	3/4	153.26	3/4		3/4	3/4	3/4		3/4	3/4
9	1,458.03	9	1,194.81	9	932.66	9	673.62	9	411.01	9	147.78	9		9	9	9		9	9
1/4	1,452.55	1/4	1,189.32	1/4	927.26	1/4	668.22	1/4	405.52	1/4	142.30	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,447.07	1/2	1,183.84	1/2	921.86	1/2	662.83	1/2	400.04	1/2	136.82	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,441.58	3/4	1,178.35	3/4	916.46	3/4	657.44	3/4	394.56	3/4	131.34	3/4		3/4	3/4	3/4		3/4	3/4
10	1,436.10	10	1,172.87	10	911.06	10	652.04	10	389.07	10	125.86	10		10	10	10		10	10
1/4	1,430.62	1/4	1,167.39	1/4	905.66	1/4	646.65	1/4	383.59	1/4	120.38	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,425.14	1/2	1,161.90	1/2	900.26	1/2	641.21	1/2	378.10	1/2	114.91	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,419.66	3/4	1,156.42	3/4	894.86	3/4	635.77	3/4	372.62	3/4	109.45	3/4		3/4	3/4	3/4		3/4	3/4
11	1,414.18	11	1,150.93	11	889.46	11	630.33	11	367.14	11	103.98	11		11	11	11		11	11
1/4	1,408.70	1/4	1,145.45	1/4	884.06	1/4	624.89	1/4	361.65	1/4	98.51	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,403.21	1/2	1,139.96	1/2	878.66	1/2	619.40	1/2	356.17	1/2	93.06	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,397.73	3/4	1,134.48	3/4	873.26	3/4	613.92	3/4	350.68	3/4	87.61	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/22/2012 CL - SW
CALCULATED: 08/22/2012 CL
PRINTED: 08/22/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2012

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



BARGE "KIRBY 10241"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 27'-06" FORWARD OF AFT BULKHEAD.

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BARGE "KIRBY 10241"

3 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	1,666.85	0	1,405.21	0	1,143.41	0	882.48	0	621.44	0	359.67	0	97.97	0		0		0	
1/4	1,661.40	1/4	1,399.76	1/4	1,137.96	1/4	877.06	1/4	615.99	1/4	354.21	1/4	92.55	1/4	1/4	1/4		1/4	
1/2	1,655.94	1/2	1,394.30	1/2	1,132.50	1/2	871.65	1/2	610.54	1/2	348.76	1/2	87.13	1/2	1/2	1/2		1/2	
3/4	1,650.49	3/4	1,388.85	3/4	1,127.05	3/4	866.23	3/4	605.09	3/4	343.30	3/4	81.72	3/4	3/4	3/4		3/4	
1	1,645.04	1	1,383.40	1	1,121.59	1	860.81	1	599.63	1	337.85	1	76.30	1	1	1		1	
1/4	1,639.59	1/4	1,377.94	1/4	1,116.14	1/4	855.39	1/4	594.18	1/4	332.40	1/4	70.91	1/4	1/4	1/4		1/4	
1/2	1,634.14	1/2	1,372.49	1/2	1,110.69	1/2	849.98	1/2	588.72	1/2	326.94	1/2	65.51	1/2	1/2	1/2		1/2	
3/4	1,628.69	3/4	1,367.03	3/4	1,105.23	3/4	844.56	3/4	583.27	3/4	321.49	3/4	60.12	3/4	3/4	3/4		3/4	
2	1,623.24	2	1,361.58	2	1,099.78	2	839.14	2	577.82	2	316.03	2	54.73	2	2	2		2	
1/4	1,617.79	1/4	1,356.12	1/4	1,094.32	1/4	833.72	1/4	572.36	1/4	310.58	1/4	49.39	1/4	1/4	1/4		1/4	
1/2	1,612.34	1/2	1,350.67	1/2	1,088.87	1/2	828.30	1/2	566.91	1/2	305.13	1/2	44.05	1/2	1/2	1/2		1/2	
3/4	1,606.89	3/4	1,345.22	3/4	1,083.41	3/4	822.89	3/4	561.46	3/4	299.67	3/4	38.71	3/4	3/4	3/4		3/4	
3	1,601.44	3	1,339.76	3	1,077.96	3	817.47	3	556.00	3	294.22	3	33.37	3	3	3		3	
1/4	1,595.99	1/4	1,334.31	1/4	1,072.51	1/4	812.06	1/4	550.55	1/4	288.77	1/4	28.83	1/4	1/4	1/4		1/4	
1/2	1,590.54	1/2	1,328.85	1/2	1,067.05	1/2	806.64	1/2	545.09	1/2	283.31	1/2	24.29	1/2	1/2	1/2		1/2	
3/4	1,585.09	3/4	1,323.40	3/4	1,061.60	3/4	801.23	3/4	539.64	3/4	277.86	3/4	19.76	3/4	3/4	3/4		3/4	
4	1,579.63	4	1,317.95	4	1,056.14	4	795.82	4	534.19	4	272.40	4	15.22	4	4	4		4	
1/4	1,574.18	1/4	1,312.49	1/4	1,050.69	1/4	790.37	1/4	528.73	1/4	266.95	1/4	12.49	1/4	1/4	1/4		1/4	
1/2	1,568.73	1/2	1,307.04	1/2	1,045.24	1/2	784.92	1/2	523.28	1/2	261.50	1/2	9.77	1/2	1/2	1/2		1/2	
3/4	1,563.28	3/4	1,301.58	3/4	1,039.78	3/4	779.47	3/4	517.83	3/4	256.04	3/4	7.04	3/4	3/4	3/4		3/4	
5	1,557.83	5	1,296.13	5	1,034.33	5	774.02	5	512.37	5	250.59	5	4.31	5	5	5		5	
1/4	1,552.38	1/4	1,290.67	1/4	1,028.87	1/4	768.57	1/4	506.92	1/4	245.14	1/4	3.40	1/4	1/4	1/4		1/4	
1/2	1,546.93	1/2	1,285.22	1/2	1,023.42	1/2	763.13	1/2	501.46	1/2	239.68	1/2	2.50	1/2	1/2	1/2		1/2	
3/4	1,541.48	3/4	1,279.77	3/4	1,017.96	3/4	757.68	3/4	496.01	3/4	234.23	3/4	1.59	3/4	3/4	3/4		3/4	
6	1,536.03	6	1,274.31	6	1,012.51	6	752.23	6	490.56	6	228.77	6	0.68	6	6	6		6	
1/4	1,530.58	1/4	1,268.86	1/4	1,007.09	1/4	746.78	1/4	485.10	1/4	223.32	1/4		1/4	1/4	1/4		1/4	
1/2	1,525.13	1/2	1,263.40	1/2	1,001.67	1/2	741.33	1/2	479.65	1/2	217.87	1/2		1/2	1/2	1/2		1/2	
3/4	1,519.68	3/4	1,257.95	3/4	996.26	3/4	735.88	3/4	474.19	3/4	212.41	3/4		3/4	3/4	3/4		3/4	
7	1,514.23	7	1,252.49	7	990.84	7	730.43	7	468.74	7	206.96	7		7	7	7		7	
1/4	1,508.78	1/4	1,247.04	1/4	985.42	1/4	724.98	1/4	463.29	1/4	201.50	1/4		1/4	1/4	1/4		1/4	
1/2	1,503.32	1/2	1,241.59	1/2	980.00	1/2	719.54	1/2	457.83	1/2	196.05	1/2		1/2	1/2	1/2		1/2	
3/4	1,497.87	3/4	1,236.13	3/4	974.59	3/4	714.09	3/4	452.38	3/4	190.60	3/4		3/4	3/4	3/4		3/4	
8	1,492.42	8	1,230.68	8	969.17	8	708.64	8	446.93	8	185.14	8		8	8	8		8	
1/4	1,486.97	1/4	1,225.22	1/4	963.75	1/4	703.19	1/4	441.47	1/4	179.69	1/4		1/4	1/4	1/4		1/4	
1/2	1,481.52	1/2	1,219.77	1/2	958.33	1/2	697.74	1/2	436.02	1/2	174.24	1/2		1/2	1/2	1/2		1/2	
3/4	1,476.07	3/4	1,214.32	3/4	952.91	3/4	692.29	3/4	430.56	3/4	168.78	3/4		3/4	3/4	3/4		3/4	
9	1,470.62	9	1,208.86	9	947.50	9	686.84	9	425.11	9	163.33	9		9	9	9		9	
1/4	1,465.17	1/4	1,203.41	1/4	942.08	1/4	681.39	1/4	419.66	1/4	157.88	1/4		1/4	1/4	1/4		1/4	
1/2	1,459.72	1/2	1,197.95	1/2	936.66	1/2	675.95	1/2	414.20	1/2	152.42	1/2		1/2	1/2	1/2		1/2	
3/4	1,454.27	3/4	1,192.50	3/4	931.24	3/4	670.50	3/4	408.75	3/4	146.97	3/4		3/4	3/4	3/4		3/4	
10	1,448.82	10	1,187.04	10	925.83	10	665.05	10	403.30	10	141.52	10		10	10	10		10	
1/4	1,443.37	1/4	1,181.59	1/4	920.41	1/4	659.60	1/4	397.84	1/4	136.07	1/4		1/4	1/4	1/4		1/4	
1/2	1,437.92	1/2	1,176.14	1/2	914.99	1/2	654.15	1/2	392.39	1/2	130.62	1/2		1/2	1/2	1/2		1/2	
3/4	1,432.47	3/4	1,170.68	3/4	909.57	3/4	648.70	3/4	386.93	3/4	125.17	3/4		3/4	3/4	3/4		3/4	
11	1,427.02	11	1,165.23	11	904.15	11	643.26	11	381.48	11	119.72	11		11	11	11		11	
1/4	1,421.56	1/4	1,159.77	1/4	898.74	1/4	637.80	1/4	376.03	1/4	114.29	1/4		1/4	1/4	1/4		1/4	
1/2	1,416.11	1/2	1,154.32	1/2	893.32	1/2	632.35	1/2	370.57	1/2	108.85	1/2		1/2	1/2	1/2		1/2	
3/4	1,410.66	3/4	1,148.86	3/4	887.90	3/4	626.90	3/4	365.12	3/4	103.41	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/22/2012 CL - SW
CALCULATED: 08/22/2012 CL
PRINTED: 08/22/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2012

PRECISION MEASUREMENT
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