



BARGE "KIRBY 32005B"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/8	- 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
1 STBD	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
2 PORT	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-0/8	- 01-0/8	01-1/4	- 01-1/4
2 STBD	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-0/8	- 01-0/8	01-1/4	- 01-1/4
3 PORT	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4
3 STBD	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4

(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 PORT IS - 00-3/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 5/8"

LENGTH BETWEEN DRAFT MARKS: 276'-00"

November 10, 2010

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

<http://www.pmacorp.net>



BARGE "KIRBY 32005B"

**1 PORT
ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	5,192.06	0	4,805.97	0	4,419.88	0	4,033.79	0	3,647.71	0	3,261.62	0	2,875.53
1/4		1/4		1/4		1/4	5,184.01	1/4	4,797.93	1/4	4,411.84	1/4	4,025.75	1/4	3,639.66	1/4	3,253.57	1/4	2,867.49
1/2		1/2		1/2		1/2	5,175.97	1/2	4,789.88	1/2	4,403.79	1/2	4,017.71	1/2	3,631.62	1/2	3,245.53	1/2	2,859.44
3/4		3/4		3/4		3/4	5,167.93	3/4	4,781.84	3/4	4,395.75	3/4	4,009.66	3/4	3,623.57	3/4	3,237.49	3/4	2,851.40
1		1		1		1	5,159.88	1	4,773.80	1	4,387.71	1	4,001.62	1	3,615.53	1	3,229.44	1	2,843.36
1/4		1/4		1/4		1/4	5,151.84	1/4	4,765.75	1/4	4,379.66	1/4	3,993.58	1/4	3,607.49	1/4	3,221.40	1/4	2,835.31
1/2		1/2		1/2		1/2	5,143.80	1/2	4,757.71	1/2	4,371.62	1/2	3,985.53	1/2	3,599.44	1/2	3,213.36	1/2	2,827.27
3/4		3/4		3/4		3/4	5,135.75	3/4	4,749.66	3/4	4,363.58	3/4	3,977.49	3/4	3,591.40	3/4	3,205.31	3/4	2,819.22
2		2		2		2	5,127.71	2	4,741.62	2	4,355.53	2	3,969.45	2	3,583.36	2	3,197.27	2	2,811.18
1/4		1/4		1/4		1/4	5,119.67	1/4	4,733.58	1/4	4,347.49	1/4	3,961.40	1/4	3,575.31	1/4	3,189.23	1/4	2,803.14
1/2		1/2		1/2		1/2	5,111.62	1/2	4,725.53	1/2	4,339.45	1/2	3,953.36	1/2	3,567.27	1/2	3,181.18	1/2	2,795.09
3/4		3/4		3/4		3/4	5,103.58	3/4	4,717.49	3/4	4,331.40	3/4	3,945.31	3/4	3,559.23	3/4	3,173.14	3/4	2,787.05
3		3		3		3	5,095.54	3	4,709.45	3	4,323.36	3	3,937.27	3	3,551.18	3	3,165.10	3	2,779.01
1/4		1/4		1/4		1/4	5,087.49	1/4	4,701.40	1/4	4,315.32	1/4	3,929.23	1/4	3,543.14	1/4	3,157.05	1/4	2,770.96
1/2		1/2		1/2		1/2	5,079.45	1/2	4,693.36	1/2	4,307.27	1/2	3,921.18	1/2	3,535.10	1/2	3,149.01	1/2	2,762.92
3/4		3/4		3/4		3/4	5,071.40	3/4	4,685.32	3/4	4,299.23	3/4	3,913.14	3/4	3,527.05	3/4	3,140.96	3/4	2,754.88
4		4		4		4	5,063.36	4	4,677.27	4	4,291.19	4	3,905.10	4	3,519.01	4	3,132.92	4	2,746.83
1/4		1/4		1/4		1/4	5,055.32	1/4	4,669.23	1/4	4,283.14	1/4	3,897.05	1/4	3,510.97	1/4	3,124.88	1/4	2,738.79
1/2		1/2		1/2		1/2	5,047.27	1/2	4,661.19	1/2	4,275.10	1/2	3,889.01	1/2	3,502.92	1/2	3,116.83	1/2	2,730.75
3/4		3/4		3/4		3/4	5,039.23	3/4	4,653.14	3/4	4,267.05	3/4	3,880.97	3/4	3,494.88	3/4	3,108.79	3/4	2,722.70
5		5		5		5	5,031.19	5	4,645.10	5	4,259.01	5	3,872.92	5	3,486.84	5	3,100.75	5	2,714.66
1/4		1/4		1/4		1/4	5,023.14	1/4	4,637.06	1/4	4,250.97	1/4	3,864.88	1/4	3,478.79	1/4	3,092.70	1/4	2,706.62
1/2		1/2		1/2		1/2	5,015.10	1/2	4,629.01	1/2	4,242.92	1/2	3,856.84	1/2	3,470.75	1/2	3,084.66	1/2	2,698.57
3/4		3/4		3/4		3/4	5,007.06	3/4	4,620.97	3/4	4,234.88	3/4	3,848.79	3/4	3,462.70	3/4	3,076.62	3/4	2,690.53
6		6		6		6	4,999.01	6	4,612.93	6	4,226.84	6	3,840.75	6	3,454.66	6	3,068.57	6	2,682.49
1/4		1/4		1/4		1/4	4,990.97	1/4	4,604.88	1/4	4,218.79	1/4	3,832.71	1/4	3,446.62	1/4	3,060.53	1/4	2,674.44
1/2		1/2		1/2		1/2	4,982.93	1/2	4,596.84	1/2	4,210.75	1/2	3,824.66	1/2	3,438.57	1/2	3,052.49	1/2	2,666.40
3/4		3/4		3/4		3/4	5,334.51	3/4	4,974.88	3/4	4,588.79	3/4	4,202.71	3/4	3,816.62	3/4	3,430.53	3/4	3,044.44
7		7		7		7	4,966.84	7	4,580.75	7	4,194.66	7	3,808.58	7	3,422.49	7	3,036.40	7	2,650.31
1/4		1/4		1/4		1/4	5,326.80	1/4	4,958.80	1/4	4,572.71	1/4	4,186.62	1/4	3,800.53	1/4	3,414.44	1/4	3,028.36
1/2		1/2		1/2		1/2	5,321.61	1/2	4,950.75	1/2	4,564.66	1/2	4,178.58	1/2	3,792.49	1/2	3,406.40	1/2	3,020.31
3/4		3/4		3/4		3/4	5,316.41	3/4	4,942.71	3/4	4,556.62	3/4	4,170.53	3/4	3,784.44	3/4	3,398.36	3/4	3,012.27
8		8		8		8	5,311.22	8	4,934.67	8	4,548.58	8	4,162.49	8	3,776.40	8	3,390.31	8	3,004.23
1/4		1/4		1/4		1/4	5,306.02	1/4	4,926.62	1/4	4,540.53	1/4	4,154.45	1/4	3,768.36	1/4	3,382.27	1/4	2,996.18
1/2		1/2		1/2		1/2	5,299.48	1/2	4,918.58	1/2	4,532.49	1/2	4,146.40	1/2	3,760.31	1/2	3,374.23	1/2	2,988.14
3/4		3/4		3/4		3/4	5,292.95	3/4	4,910.53	3/4	4,524.45	3/4	4,138.36	3/4	3,752.27	3/4	3,366.18	3/4	2,980.09
9		9		9		9	5,286.41	9	4,902.49	9	4,516.40	9	4,130.32	9	3,744.23	9	3,358.14	9	2,972.05
1/4		1/4		1/4		1/4	5,279.88	1/4	4,894.45	1/4	4,508.36	1/4	4,122.27	1/4	3,736.18	1/4	3,350.10	1/4	2,964.01
1/2		1/2		1/2		1/2	5,272.00	1/2	4,886.40	1/2	4,500.32	1/2	4,114.23	1/2	3,728.14	1/2	3,342.05	1/2	2,955.96
3/4		3/4		3/4		3/4	5,264.12	3/4	4,878.36	3/4	4,492.27	3/4	4,106.18	3/4	3,720.10	3/4	3,334.01	3/4	2,947.92
10		10		10		10	5,256.24	10	4,870.32	10	4,484.23	10	4,098.14	10	3,712.05	10	3,325.97	10	2,939.88
1/4		1/4		1/4		1/4	5,248.36	1/4	4,862.27	1/4	4,476.19	1/4	4,090.10	1/4	3,704.01	1/4	3,317.92	1/4	2,931.83
1/2		1/2		1/2		1/2	5,240.32	1/2	4,854.23	1/2	4,468.14	1/2	4,082.05	1/2	3,695.97	1/2	3,309.88	1/2	2,923.79
3/4		3/4		3/4		3/4	5,232.27	3/4	4,846.19	3/4	4,460.10	3/4	4,074.01	3/4	3,687.92	3/4	3,301.83	3/4	2,915.75
11		11		11		11	5,224.23	11	4,838.14	11	4,452.06	11	4,065.97	11	3,679.88	11	3,293.79	11	2,907.70
1/4		1/4		1/4		1/4	5,216.19	1/4	4,830.10	1/4	4,444.01	1/4	4,057.92	1/4	3,671.84	1/4	3,285.75	1/4	2,899.66
1/2		1/2		1/2		1/2	5,208.14	1/2	4,822.06	1/2	4,435.97	1/2	4,049.88	1/2	3,663.79	1/2	3,277.70	1/2	2,891.62
3/4		3/4		3/4		3/4	5,200.10	3/4	4,814.01	3/4	4,427.92	3/4	4,041.84	3/4	3,655.75	3/4	3,269.66	3/4	2,883.57

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 61'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 32005B"

**1 PORT
ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

Gauge Height 16'-05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,489.44	0	2,103.35	0	1,717.26	0	1,331.18	0	945.55	0	559.47	0	173.39	0		0			
1/4	2,481.40	1/4	2,095.31	1/4	1,709.22	1/4	1,323.13	1/4	937.51	1/4	551.43	1/4	165.35	1/4		1/4			
1/2	2,473.35	1/2	2,087.27	1/2	1,701.18	1/2	1,315.09	1/2	929.46	1/2	543.39	1/2	157.31	1/2		1/2			
3/4	2,465.31	3/4	2,079.22	3/4	1,693.13	3/4	1,307.05	3/4	921.42	3/4	535.34	3/4	149.26	3/4		3/4			
1	2,457.27	1	2,071.18	1	1,685.09	1	1,299.00	1	913.38	1	527.30	1	141.22	1		1			
1/4	2,449.22	1/4	2,063.14	1/4	1,677.05	1/4	1,290.96	1/4	905.33	1/4	519.26	1/4	133.18	1/4		1/4			
1/2	2,441.18	1/2	2,055.09	1/2	1,669.00	1/2	1,282.92	1/2	897.29	1/2	511.21	1/2	125.13	1/2		1/2			
3/4	2,433.14	3/4	2,047.05	3/4	1,660.96	3/4	1,274.88	3/4	889.25	3/4	503.17	3/4	117.09	3/4		3/4			
2	2,425.09	2	2,039.00	2	1,652.92	2	1,266.85	2	881.20	2	495.13	2	109.05	2		2			
1/4	2,417.05	1/4	2,030.96	1/4	1,644.87	1/4	1,258.81	1/4	873.16	1/4	487.08	1/4	101.00	1/4		1/4			
1/2	2,409.01	1/2	2,022.92	1/2	1,636.83	1/2	1,250.78	1/2	865.12	1/2	479.04	1/2	92.96	1/2		1/2			
3/4	2,400.96	3/4	2,014.87	3/4	1,628.79	3/4	1,242.75	3/4	857.07	3/4	471.00	3/4	84.92	3/4		3/4			
3	2,392.92	3	2,006.83	3	1,620.74	3	1,234.72	3	849.03	3	462.95	3	76.87	3		3			
1/4	2,384.88	1/4	1,998.79	1/4	1,612.70	1/4	1,226.69	1/4	840.99	1/4	454.91	1/4	68.83	1/4		1/4			
1/2	2,376.83	1/2	1,990.74	1/2	1,604.66	1/2	1,218.66	1/2	832.94	1/2	446.87	1/2	61.67	1/2		1/2			
3/4	2,368.79	3/4	1,982.70	3/4	1,596.61	3/4	1,210.63	3/4	824.90	3/4	438.82	3/4	54.50	3/4		3/4			
4	2,360.74	4	1,974.66	4	1,588.57	4	1,202.60	4	816.86	4	430.78	4	47.34	4		4			
1/4	2,352.70	1/4	1,966.61	1/4	1,580.53	1/4	1,194.57	1/4	808.81	1/4	422.74	1/4	40.17	1/4		1/4			
1/2	2,344.66	1/2	1,958.57	1/2	1,572.48	1/2	1,186.54	1/2	800.77	1/2	414.69	1/2	34.89	1/2		1/2			
3/4	2,336.61	3/4	1,950.53	3/4	1,564.44	3/4	1,178.51	3/4	792.73	3/4	406.65	3/4	29.62	3/4		3/4			
5	2,328.57	5	1,942.48	5	1,556.39	5	1,170.49	5	784.68	5	398.61	5	24.34	5		5			
1/4	2,320.53	1/4	1,934.44	1/4	1,548.35	1/4	1,162.46	1/4	776.64	1/4	390.56	1/4	19.06	1/4		1/4			
1/2	2,312.48	1/2	1,926.40	1/2	1,540.31	1/2	1,154.43	1/2	768.60	1/2	382.52	1/2		1/2		1/2			
3/4	2,304.44	3/4	1,918.35	3/4	1,532.26	3/4	1,146.40	3/4	760.55	3/4	374.48	3/4		3/4		3/4			
6	2,296.40	6	1,910.31	6	1,524.22	6	1,138.37	6	752.51	6	366.43	6		6		6			
1/4	2,288.35	1/4	1,902.27	1/4	1,516.18	1/4	1,130.34	1/4	744.47	1/4	358.39	1/4		1/4		1/4			
1/2	2,280.31	1/2	1,894.22	1/2	1,508.13	1/2	1,122.31	1/2	736.42	1/2	350.35	1/2		1/2		1/2			
3/4	2,272.27	3/4	1,886.18	3/4	1,500.09	3/4	1,114.28	3/4	728.38	3/4	342.30	3/4		3/4		3/4			
7	2,264.22	7	1,878.13	7	1,492.05	7	1,106.25	7	720.34	7	334.26	7		7		7			
1/4	2,256.18	1/4	1,870.09	1/4	1,484.00	1/4	1,098.22	1/4	712.29	1/4	326.22	1/4		1/4		1/4			
1/2	2,248.14	1/2	1,862.05	1/2	1,475.96	1/2	1,090.19	1/2	704.25	1/2	318.17	1/2		1/2		1/2			
3/4	2,240.09	3/4	1,854.00	3/4	1,467.92	3/4	1,082.17	3/4	696.21	3/4	310.13	3/4		3/4		3/4			
8	2,232.05	8	1,845.96	8	1,459.87	8	1,074.14	8	688.16	8	302.09	8		8		8			
1/4	2,224.01	1/4	1,837.92	1/4	1,451.83	1/4	1,066.11	1/4	680.12	1/4	294.04	1/4		1/4		1/4			
1/2	2,215.96	1/2	1,829.87	1/2	1,443.79	1/2	1,058.08	1/2	672.08	1/2	286.00	1/2		1/2		1/2			
3/4	2,207.92	3/4	1,821.83	3/4	1,435.74	3/4	1,050.05	3/4	664.03	3/4	277.96	3/4		3/4		3/4			
9	2,199.87	9	1,813.79	9	1,427.70	9	1,042.02	9	655.99	9	269.91	9		9		9			
1/4	2,191.83	1/4	1,805.74	1/4	1,419.66	1/4	1,033.99	1/4	647.95	1/4	261.87	1/4		1/4		1/4			
1/2	2,183.79	1/2	1,797.70	1/2	1,411.61	1/2	1,025.96	1/2	639.90	1/2	253.83	1/2		1/2		1/2			
3/4	2,175.74	3/4	1,789.66	3/4	1,403.57	3/4	1,017.92	3/4	631.86	3/4	245.78	3/4		3/4		3/4			
10	2,167.70	10	1,781.61	10	1,395.52	10	1,009.89	10	623.82	10	237.74	10		10		10			
1/4	2,159.66	1/4	1,773.57	1/4	1,387.48	1/4	1,001.85	1/4	615.78	1/4	229.70	1/4		1/4		1/4			
1/2	2,151.61	1/2	1,765.53	1/2	1,379.44	1/2	993.81	1/2	607.73	1/2	221.65	1/2		1/2		1/2			
3/4	2,143.57	3/4	1,757.48	3/4	1,371.39	3/4	985.77	3/4	599.69	3/4	213.61	3/4		3/4		3/4			
11	2,135.53	11	1,749.44	11	1,363.35	11	977.72	11	591.65	11	205.57	11		11		11			
1/4	2,127.48	1/4	1,741.40	1/4	1,355.31	1/4	969.68	1/4	583.60	1/4	197.52	1/4		1/4		1/4			
1/2	2,119.44	1/2	1,733.35	1/2	1,347.26	1/2	961.64	1/2	575.56	1/2	189.48	1/2		1/2		1/2			
3/4	2,111.40	3/4	1,725.31	3/4	1,339.22	3/4	953.59	3/4	567.52	3/4	181.44	3/4		3/4		3/4			

STRAPPED: 11/10/2010 CL - SW
CALCULATED: 11/10/2010 CL
PRINTED: 11/10/2010 CL

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2010

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





BARGE "KIRBY 32005B"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	5,186.34	0	4,800.25	0	4,414.16	0	4,028.06	0	3,641.97	0	3,255.88	0	2,869.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,178.30	1/4	4,792.21	1/4	4,406.11	1/4	4,020.02	1/4	3,633.93	1/4	3,247.84	1/4	2,861.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,170.26	1/2	4,784.16	1/2	4,398.07	1/2	4,011.98	1/2	3,625.88	1/2	3,239.79	1/2	2,853.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,162.21	3/4	4,776.12	3/4	4,390.03	3/4	4,003.93	3/4	3,617.84	3/4	3,231.75	3/4	2,845.66
1	1	1	1	1	1	1	5,154.17	1	4,768.08	1	4,381.98	1	3,995.89	1	3,609.80	1	3,223.70	1	2,837.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,146.12	1/4	4,760.03	1/4	4,373.94	1/4	3,987.85	1/4	3,601.75	1/4	3,215.66	1/4	2,829.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,138.08	1/2	4,751.99	1/2	4,365.90	1/2	3,979.80	1/2	3,593.71	1/2	3,207.62	1/2	2,821.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,130.04	3/4	4,743.94	3/4	4,357.85	3/4	3,971.76	3/4	3,585.67	3/4	3,199.57	3/4	2,813.48
2	2	2	2	2	2	2	5,121.99	2	4,735.90	2	4,349.81	2	3,963.72	2	3,577.62	2	3,191.53	2	2,805.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,113.95	1/4	4,727.86	1/4	4,341.76	1/4	3,955.67	1/4	3,569.58	1/4	3,183.49	1/4	2,797.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,105.91	1/2	4,719.81	1/2	4,333.72	1/2	3,947.63	1/2	3,561.54	1/2	3,175.44	1/2	2,789.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,097.86	3/4	4,711.77	3/4	4,325.68	3/4	3,939.58	3/4	3,553.49	3/4	3,167.40	3/4	2,781.31
3	3	3	3	3	3	3	5,089.82	3	4,703.73	3	4,317.63	3	3,931.54	3	3,545.45	3	3,159.36	3	2,773.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,081.78	1/4	4,695.68	1/4	4,309.59	1/4	3,923.50	1/4	3,537.40	1/4	3,151.31	1/4	2,765.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,073.73	1/2	4,687.64	1/2	4,301.55	1/2	3,915.45	1/2	3,529.36	1/2	3,143.27	1/2	2,757.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,065.69	3/4	4,679.60	3/4	4,293.50	3/4	3,907.41	3/4	3,521.32	3/4	3,135.22	3/4	2,749.13
4	4	4	4	4	4	4	5,057.65	4	4,671.55	4	4,285.46	4	3,899.37	4	3,513.27	4	3,127.18	4	2,741.09
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,049.60	1/4	4,663.51	1/4	4,277.42	1/4	3,891.32	1/4	3,505.23	1/4	3,119.14	1/4	2,733.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,041.56	1/2	4,655.47	1/2	4,269.37	1/2	3,883.28	1/2	3,497.19	1/2	3,111.09	1/2	2,725.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,033.51	3/4	4,647.42	3/4	4,261.33	3/4	3,875.24	3/4	3,489.14	3/4	3,103.05	3/4	2,716.96
5	5	5	5	5	5	5	5,025.47	5	4,639.38	5	4,253.29	5	3,867.19	5	3,481.10	5	3,095.01	5	2,708.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,017.43	1/4	4,631.33	1/4	4,245.24	1/4	3,859.15	1/4	3,473.06	1/4	3,086.96	1/4	2,700.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,009.38	1/2	4,623.29	1/2	4,237.20	1/2	3,851.11	1/2	3,465.01	1/2	3,078.92	1/2	2,692.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,001.34	3/4	4,615.25	3/4	4,229.15	3/4	3,843.06	3/4	3,456.97	3/4	3,070.88	3/4	2,684.78
6	6	6	6	6	6	6	4,993.30	6	4,607.20	6	4,221.11	6	3,835.02	6	3,448.93	6	3,062.83	6	2,676.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,985.25	1/4	4,599.16	1/4	4,213.07	1/4	3,826.97	1/4	3,440.88	1/4	3,054.79	1/4	2,668.70
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,334.45	1/2	4,977.21	1/2	4,205.02	1/2	3,818.93	1/2	3,432.84	1/2	3,046.75	1/2	2,660.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,330.76	3/4	4,969.17	3/4	4,583.07	3/4	4,196.98	3/4	3,810.89	3/4	3,424.79	3/4	3,038.70
7	7	7	7	7	7	7	5,327.07	7	4,961.12	7	4,575.03	7	4,188.94	7	3,802.84	7	3,416.75	7	3,030.66
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,322.04	1/4	4,953.08	1/4	4,566.99	1/4	4,180.89	1/4	3,794.80	1/4	3,408.71	1/4	3,022.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,317.02	1/2	4,945.03	1/2	4,558.94	1/2	4,172.85	1/2	3,786.76	1/2	3,400.66	1/2	3,014.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,311.99	3/4	4,936.99	3/4	4,550.90	3/4	4,164.81	3/4	3,778.71	3/4	3,392.62	3/4	3,006.53
8	8	8	8	8	8	8	5,306.96	8	4,928.95	8	4,542.85	8	4,156.76	8	3,770.67	8	3,384.58	8	2,998.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,300.59	1/4	4,920.90	1/4	4,534.81	1/4	4,148.72	1/4	3,762.63	1/4	3,376.53	1/4	2,990.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,294.22	1/2	4,912.86	1/2	4,526.77	1/2	4,140.67	1/2	3,754.58	1/2	3,368.49	1/2	2,982.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,287.86	3/4	4,904.82	3/4	4,518.72	3/4	4,132.63	3/4	3,746.54	3/4	3,360.45	3/4	2,974.35
9	9	9	9	9	9	9	5,281.49	9	4,896.77	9	4,510.68	9	4,124.59	9	3,738.49	9	3,352.40	9	2,966.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,273.79	1/4	4,888.73	1/4	4,502.64	1/4	4,116.54	1/4	3,730.45	1/4	3,344.36	1/4	2,958.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,266.09	1/2	4,880.69	1/2	4,494.59	1/2	4,108.50	1/2	3,722.41	1/2	3,336.31	1/2	2,950.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,258.39	3/4	4,872.64	3/4	4,486.55	3/4	4,100.46	3/4	3,714.36	3/4	3,328.27	3/4	2,942.18
10	10	10	10	10	10	10	5,250.69	10	4,864.60	10	4,478.51	10	4,092.41	10	3,706.32	10	3,320.23	10	2,934.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,242.65	1/4	4,856.56	1/4	4,470.46	1/4	4,084.37	1/4	3,698.28	1/4	3,312.18	1/4	2,926.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,234.60	1/2	4,848.51	1/2	4,462.42	1/2	4,076.33	1/2	3,690.23	1/2	3,304.14	1/2	2,918.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,226.56	3/4	4,840.47	3/4	4,454.38	3/4	4,068.28	3/4	3,682.19	3/4	3,296.10	3/4	2,910.00
11	11	11	11	11	11	11	5,218.52	11	4,832.42	11	4,446.33	11	4,060.24	11	3,674.15	11	3,288.05	11	2,901.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,210.47	1/4	4,824.38	1/4	4,438.29	1/4	4,052.20	1/4	3,666.10	1/4	3,280.01	1/4	2,893.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,202.43	1/2	4,816.34	1/2	4,430.24	1/2	4,044.15	1/2	3,658.06	1/2	3,271.97	1/2	2,885.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,194.39	3/4	4,808.29	3/4	4,422.20	3/4	4,036.11	3/4	3,650.02	3/4	3,263.92	3/4	2,877.83

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 32005B"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,483.69	0	2,097.60	0	1,711.51	0	1,325.43	0	941.50	0	555.45	0	169.37	0		0			
1/4	2,475.65	1/4	2,089.56	1/4	1,703.46	1/4	1,317.41	1/4	933.46	1/4	547.41	1/4	161.33	1/4		1/4			
1/2	2,467.61	1/2	2,081.51	1/2	1,695.42	1/2	1,309.40	1/2	925.43	1/2	539.36	1/2	153.29	1/2		1/2			
3/4	2,459.56	3/4	2,073.47	3/4	1,687.38	3/4	1,301.38	3/4	917.39	3/4	531.32	3/4	145.24	3/4		3/4			
1	2,451.52	1	2,065.43	1	1,679.33	1	1,293.37	1	909.36	1	523.28	1	137.20	1		1			
1/4	2,443.48	1/4	2,057.38	1/4	1,671.29	1/4	1,285.37	1/4	901.31	1/4	515.23	1/4	129.16	1/4		1/4			
1/2	2,435.43	1/2	2,049.34	1/2	1,663.25	1/2	1,277.37	1/2	893.27	1/2	507.19	1/2	121.11	1/2		1/2			
3/4	2,427.39	3/4	2,041.30	3/4	1,655.20	3/4	1,269.36	3/4	885.23	3/4	499.15	3/4	113.07	3/4		3/4			
2	2,419.34	2	2,033.25	2	1,647.16	2	1,261.36	2	877.18	2	491.10	2	105.03	2		2			
1/4	2,411.30	1/4	2,025.21	1/4	1,639.12	1/4	1,253.37	1/4	869.14	1/4	483.06	1/4	96.98	1/4		1/4			
1/2	2,403.26	1/2	2,017.16	1/2	1,631.07	1/2	1,245.38	1/2	861.10	1/2	475.02	1/2	88.94	1/2		1/2			
3/4	2,395.21	3/4	2,009.12	3/4	1,623.03	3/4	1,237.38	3/4	853.05	3/4	466.97	3/4	80.90	3/4		3/4			
3	2,387.17	3	2,001.08	3	1,614.98	3	1,229.39	3	845.01	3	458.93	3	72.85	3		3			
1/4	2,379.13	1/4	1,993.03	1/4	1,606.94	1/4	1,221.40	1/4	836.97	1/4	450.89	1/4	65.56	1/4		1/4			
1/2	2,371.08	1/2	1,984.99	1/2	1,598.90	1/2	1,213.41	1/2	828.92	1/2	442.84	1/2	58.27	1/2		1/2			
3/4	2,363.04	3/4	1,976.95	3/4	1,590.85	3/4	1,205.42	3/4	820.88	3/4	434.80	3/4	50.98	3/4		3/4			
4	2,355.00	4	1,968.90	4	1,582.81	4	1,197.42	4	812.84	4	426.76	4	43.69	4		4			
1/4	2,346.95	1/4	1,960.86	1/4	1,574.77	1/4	1,189.43	1/4	804.79	1/4	418.71	1/4	38.16	1/4		1/4			
1/2	2,338.91	1/2	1,952.82	1/2	1,566.72	1/2	1,181.44	1/2	796.75	1/2	410.67	1/2	32.63	1/2		1/2			
3/4	2,330.86	3/4	1,944.77	3/4	1,558.68	3/4	1,173.45	3/4	788.71	3/4	402.63	3/4	27.10	3/4		3/4			
5	2,322.82	5	1,936.73	5	1,550.64	5	1,165.46	5	780.66	5	394.58	5	21.57	5		5			
1/4	2,314.78	1/4	1,928.68	1/4	1,542.59	1/4	1,157.47	1/4	772.62	1/4	386.54	1/4	15.94	1/4		1/4			
1/2	2,306.73	1/2	1,920.64	1/2	1,534.55	1/2	1,149.47	1/2	764.58	1/2	378.50	1/2	10.40	1/2		1/2			
3/4	2,298.69	3/4	1,912.60	3/4	1,526.50	3/4	1,141.48	3/4	756.53	3/4	370.45	3/4	5.36	3/4		3/4			
6	2,290.65	6	1,904.55	6	1,518.46	6	1,133.49	6	748.49	6	362.41	6	0.32	6		6			
1/4	2,282.60	1/4	1,896.51	1/4	1,510.42	1/4	1,125.50	1/4	740.45	1/4	354.37	1/4		1/4		1/4			
1/2	2,274.56	1/2	1,888.47	1/2	1,502.37	1/2	1,117.51	1/2	732.40	1/2	346.32	1/2		1/2		1/2			
3/4	2,266.52	3/4	1,880.42	3/4	1,494.33	3/4	1,109.52	3/4	724.36	3/4	338.28	3/4		3/4		3/4			
7	2,258.47	7	1,872.38	7	1,486.29	7	1,101.52	7	716.32	7	330.24	7		7		7			
1/4	2,250.43	1/4	1,864.34	1/4	1,478.24	1/4	1,093.53	1/4	708.27	1/4	322.19	1/4		1/4		1/4			
1/2	2,242.39	1/2	1,856.29	1/2	1,470.20	1/2	1,085.54	1/2	700.23	1/2	314.15	1/2		1/2		1/2			
3/4	2,234.34	3/4	1,848.25	3/4	1,462.16	3/4	1,077.55	3/4	692.19	3/4	306.11	3/4		3/4		3/4			
8	2,226.30	8	1,840.21	8	1,454.11	8	1,069.56	8	684.14	8	298.07	8		8		8			
1/4	2,218.25	1/4	1,832.16	1/4	1,446.07	1/4	1,061.57	1/4	676.10	1/4	290.02	1/4		1/4		1/4			
1/2	2,210.21	1/2	1,824.12	1/2	1,438.03	1/2	1,053.57	1/2	668.06	1/2	281.98	1/2		1/2		1/2			
3/4	2,202.17	3/4	1,816.07	3/4	1,429.98	3/4	1,045.58	3/4	660.01	3/4	273.94	3/4		3/4		3/4			
9	2,194.12	9	1,808.03	9	1,421.94	9	1,037.59	9	651.97	9	265.89	9		9		9			
1/4	2,186.08	1/4	1,799.99	1/4	1,413.89	1/4	1,029.59	1/4	643.93	1/4	257.85	1/4		1/4		1/4			
1/2	2,178.04	1/2	1,791.94	1/2	1,405.85	1/2	1,021.59	1/2	635.88	1/2	249.81	1/2		1/2		1/2			
3/4	2,169.99	3/4	1,783.90	3/4	1,397.81	3/4	1,013.59	3/4	627.84	3/4	241.76	3/4		3/4		3/4			
10	2,161.95	10	1,775.86	10	1,389.76	10	1,005.59	10	619.80	10	233.72	10		10		10			
1/4	2,153.91	1/4	1,767.81	1/4	1,381.72	1/4	997.58	1/4	611.75	1/4	225.68	1/4		1/4		1/4			
1/2	2,145.86	1/2	1,759.77	1/2	1,373.68	1/2	989.57	1/2	603.71	1/2	217.63	1/2		1/2		1/2			
3/4	2,137.82	3/4	1,751.73	3/4	1,365.63	3/4	981.56	3/4	595.67	3/4	209.59	3/4		3/4		3/4			
11	2,129.77	11	1,743.68	11	1,357.59	11	973.55	11	587.62	11	201.55	11		11		11			
1/4	2,121.73	1/4	1,735.64	1/4	1,349.55	1/4	965.54	1/4	579.58	1/4	193.50	1/4		1/4		1/4			
1/2	2,113.69	1/2	1,727.59	1/2	1,341.51	1/2	957.52	1/2	571.54	1/2	185.46	1/2		1/2		1/2			
3/4	2,105.64	3/4	1,719.55	3/4	1,333.47	3/4	949.51	3/4	563.49	3/4	177.42	3/4		3/4		3/4			

STRAPPED: 11/10/2010 CL - SW
CALCULATED: 11/10/2010 CL
PRINTED: 11/10/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2010

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "KIRBY 32005B"

2 PORT 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	5,208.45	0	4,821.14	0	4,433.84	0	4,046.53	0	3,659.22	0	3,271.91	0	2,884.61
1/4		1/4		1/4		1/4	5,200.38	1/4	4,813.07	1/4	4,425.77	1/4	4,038.46	1/4	3,651.15	1/4	3,263.85	1/4	2,876.54
1/2		1/2		1/2		1/2	5,192.31	1/2	4,805.01	1/2	4,417.70	1/2	4,030.39	1/2	3,643.08	1/2	3,255.78	1/2	2,868.47
3/4		3/4		3/4		3/4	5,184.24	3/4	4,796.94	3/4	4,409.63	3/4	4,022.32	3/4	3,635.02	3/4	3,247.71	3/4	2,860.40
1		1		1		1	5,176.18	1	4,788.87	1	4,401.56	1	4,014.25	1	3,626.95	1	3,239.64	1	2,852.33
1/4		1/4		1/4		1/4	5,168.11	1/4	4,780.80	1/4	4,393.49	1/4	4,006.18	1/4	3,618.88	1/4	3,231.57	1/4	2,844.26
1/2		1/2		1/2		1/2	5,160.04	1/2	4,772.73	1/2	4,385.42	1/2	3,998.12	1/2	3,610.81	1/2	3,223.50	1/2	2,836.19
3/4		3/4		3/4		3/4	5,151.97	3/4	4,764.66	3/4	4,377.35	3/4	3,990.05	3/4	3,602.74	3/4	3,215.43	3/4	2,828.13
2		2		2		2	5,143.90	2	4,756.59	2	4,369.29	2	3,981.98	2	3,594.67	2	3,207.36	2	2,820.06
1/4		1/4		1/4		1/4	5,135.83	1/4	4,748.52	1/4	4,361.22	1/4	3,973.91	1/4	3,586.60	1/4	3,199.29	1/4	2,811.99
1/2		1/2		1/2		1/2	5,127.76	1/2	4,740.45	1/2	4,353.15	1/2	3,965.84	1/2	3,578.53	1/2	3,191.23	1/2	2,803.92
3/4		3/4		3/4		3/4	5,119.69	3/4	4,732.39	3/4	4,345.08	3/4	3,957.77	3/4	3,570.46	3/4	3,183.16	3/4	2,795.85
3		3		3		3	5,111.62	3	4,724.32	3	4,337.01	3	3,949.70	3	3,562.40	3	3,175.09	3	2,787.78
1/4		1/4		1/4		1/4	5,103.56	1/4	4,716.25	1/4	4,328.94	1/4	3,941.63	1/4	3,554.33	1/4	3,167.02	1/4	2,779.71
1/2		1/2		1/2		1/2	5,095.49	1/2	4,708.18	1/2	4,320.87	1/2	3,933.56	1/2	3,546.26	1/2	3,158.95	1/2	2,771.64
3/4		3/4		3/4		3/4	5,087.42	3/4	4,700.11	3/4	4,312.80	3/4	3,925.50	3/4	3,538.19	3/4	3,150.88	3/4	2,763.57
4		4		4		4	5,079.35	4	4,692.04	4	4,304.73	4	3,917.43	4	3,530.12	4	3,142.81	4	2,755.51
1/4		1/4		1/4		1/4	5,071.28	1/4	4,683.97	1/4	4,296.67	1/4	3,909.36	1/4	3,522.05	1/4	3,134.74	1/4	2,747.44
1/2		1/2		1/2		1/2	5,063.21	1/2	4,675.90	1/2	4,288.60	1/2	3,901.29	1/2	3,513.98	1/2	3,126.67	1/2	2,739.37
3/4		3/4		3/4		3/4	5,055.14	3/4	4,667.83	3/4	4,280.53	3/4	3,893.22	3/4	3,505.91	3/4	3,118.61	3/4	2,731.30
5		5		5		5	5,047.07	5	4,659.77	5	4,272.46	5	3,885.15	5	3,497.84	5	3,110.54	5	2,723.23
1/4		1/4		1/4		1/4	5,039.00	1/4	4,651.70	1/4	4,264.39	1/4	3,877.08	1/4	3,489.78	1/4	3,102.47	1/4	2,715.16
1/2		1/2		1/2		1/2	5,030.94	1/2	4,643.63	1/2	4,256.32	1/2	3,869.01	1/2	3,481.71	1/2	3,094.40	1/2	2,707.09
3/4		3/4		3/4		3/4	5,022.87	3/4	4,635.56	3/4	4,248.25	3/4	3,860.94	3/4	3,473.64	3/4	3,086.33	3/4	2,699.02
6		6		6		6	5,014.80	6	4,627.49	6	4,240.18	6	3,852.88	6	3,465.57	6	3,078.26	6	2,690.95
1/4		1/4		1/4		1/4	5,006.73	1/4	4,619.42	1/4	4,232.11	1/4	3,844.81	1/4	3,457.50	1/4	3,070.19	1/4	2,682.89
1/2		1/2		1/2		1/2	4,998.66	1/2	4,611.35	1/2	4,224.05	1/2	3,836.74	1/2	3,449.43	1/2	3,062.12	1/2	2,674.82
3/4		3/4		3/4	5,351.31	3/4	4,990.59	3/4	4,603.28	3/4	4,215.98	3/4	3,828.67	3/4	3,441.36	3/4	3,054.05	3/4	2,666.75
7		7		7	5,347.44	7	4,982.52	7	4,595.21	7	4,207.91	7	3,820.60	7	3,433.29	7	3,045.99	7	2,658.68
1/4		1/4		1/4	5,343.57	1/4	4,974.45	1/4	4,587.15	1/4	4,199.84	1/4	3,812.53	1/4	3,425.22	1/4	3,037.92	1/4	2,650.61
1/2		1/2		1/2	5,338.36	1/2	4,966.38	1/2	4,579.08	1/2	4,191.77	1/2	3,804.46	1/2	3,417.16	1/2	3,029.85	1/2	2,642.54
3/4		3/4		3/4	5,333.15	3/4	4,958.31	3/4	4,571.01	3/4	4,183.70	3/4	3,796.39	3/4	3,409.09	3/4	3,021.78	3/4	2,634.47
8		8		8	5,327.94	8	4,950.25	8	4,562.94	8	4,175.63	8	3,788.32	8	3,401.02	8	3,013.71	8	2,626.40
1/4		1/4		1/4	5,322.72	1/4	4,942.18	1/4	4,554.87	1/4	4,167.56	1/4	3,780.26	1/4	3,392.95	1/4	3,005.64	1/4	2,618.33
1/2		1/2		1/2	5,316.17	1/2	4,934.11	1/2	4,546.80	1/2	4,159.49	1/2	3,772.19	1/2	3,384.88	1/2	2,997.57	1/2	2,610.27
3/4		3/4		3/4	5,309.61	3/4	4,926.04	3/4	4,538.73	3/4	4,151.42	3/4	3,764.12	3/4	3,376.81	3/4	2,989.50	3/4	2,602.20
9		9		9	5,303.05	9	4,917.97	9	4,530.66	9	4,143.36	9	3,756.05	9	3,368.74	9	2,981.43	9	2,594.13
1/4		1/4		1/4	5,296.50	1/4	4,909.90	1/4	4,522.59	1/4	4,135.29	1/4	3,747.98	1/4	3,360.67	1/4	2,973.37	1/4	2,586.06
1/2		1/2		1/2	5,288.61	1/2	4,901.83	1/2	4,514.53	1/2	4,127.22	1/2	3,739.91	1/2	3,352.60	1/2	2,965.30	1/2	2,577.99
3/4		3/4		3/4	5,280.71	3/4	4,893.76	3/4	4,506.46	3/4	4,119.15	3/4	3,731.84	3/4	3,344.53	3/4	2,957.23	3/4	2,569.92
10		10		10	5,272.82	10	4,885.69	10	4,498.39	10	4,111.08	10	3,723.77	10	3,336.47	10	2,949.16	10	2,561.85
1/4		1/4		1/4	5,264.93	1/4	4,877.63	1/4	4,490.32	1/4	4,103.01	1/4	3,715.70	1/4	3,328.40	1/4	2,941.09	1/4	2,553.78
1/2		1/2		1/2	5,256.86	1/2	4,869.56	1/2	4,482.25	1/2	4,094.94	1/2	3,707.64	1/2	3,320.33	1/2	2,933.02	1/2	2,545.71
3/4		3/4		3/4	5,248.80	3/4	4,861.49	3/4	4,474.18	3/4	4,086.87	3/4	3,699.57	3/4	3,312.26	3/4	2,924.95	3/4	2,537.64
11		11		11	5,240.73	11	4,853.42	11	4,466.11	11	4,078.80	11	3,691.50	11	3,304.19	11	2,916.88	11	2,529.58
1/4		1/4		1/4	5,232.66	1/4	4,845.35	1/4	4,458.04	1/4	4,070.74	1/4	3,683.43	1/4	3,296.12	1/4	2,908.81	1/4	2,521.51
1/2		1/2		1/2	5,224.59	1/2	4,837.28	1/2	4,449.97	1/2	4,062.67	1/2	3,675.36	1/2	3,288.05	1/2	2,900.75	1/2	2,513.44
3/4		3/4		3/4	5,216.52	3/4	4,829.21	3/4	4,441.91	3/4	4,054.60	3/4	3,667.29	3/4	3,279.98	3/4	2,892.68	3/4	2,505.37

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 61'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
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BARGE "KIRBY 32005B"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	2,497.30	0	2,109.99	0	1,722.69	0	1,335.38	0	948.07	0	561.23	0	173.94	0		0		0	
1/4	2,489.23	1/4	2,101.92	1/4	1,714.62	1/4	1,327.31	1/4	940.00	1/4	553.16	1/4	165.87	1/4		1/4		1/4	
1/2	2,481.16	1/2	2,093.86	1/2	1,706.55	1/2	1,319.24	1/2	931.93	1/2	545.09	1/2	157.80	1/2		1/2		1/2	
3/4	2,473.09	3/4	2,085.79	3/4	1,698.48	3/4	1,311.17	3/4	923.86	3/4	537.02	3/4	149.73	3/4		3/4		3/4	
1	2,465.02	1	2,077.72	1	1,690.41	1	1,303.10	1	915.80	1	528.96	1	141.66	1		1		1	
1/4	2,456.96	1/4	2,069.65	1/4	1,682.34	1/4	1,295.03	1/4	907.73	1/4	520.89	1/4	133.59	1/4		1/4		1/4	
1/2	2,448.89	1/2	2,061.58	1/2	1,674.27	1/2	1,286.97	1/2	899.66	1/2	512.82	1/2	125.53	1/2		1/2		1/2	
3/4	2,440.82	3/4	2,053.51	3/4	1,666.20	3/4	1,278.90	3/4	891.60	3/4	504.75	3/4	117.46	3/4		3/4		3/4	
2	2,432.75	2	2,045.44	2	1,658.13	2	1,270.83	2	883.54	2	496.68	2	109.39	2		2		2	
1/4	2,424.68	1/4	2,037.37	1/4	1,650.07	1/4	1,262.76	1/4	875.48	1/4	488.61	1/4	101.32	1/4		1/4		1/4	
1/2	2,416.61	1/2	2,029.30	1/2	1,642.00	1/2	1,254.69	1/2	867.42	1/2	480.54	1/2	93.25	1/2		1/2		1/2	
3/4	2,408.54	3/4	2,021.24	3/4	1,633.93	3/4	1,246.62	3/4	859.37	3/4	472.48	3/4	85.18	3/4		3/4		3/4	
3	2,400.47	3	2,013.17	3	1,625.86	3	1,238.55	3	851.31	3	464.41	3	77.11	3		3		3	
1/4	2,392.40	1/4	2,005.10	1/4	1,617.79	1/4	1,230.48	1/4	843.25	1/4	456.34	1/4	69.05	1/4		1/4		1/4	
1/2	2,384.34	1/2	1,997.03	1/2	1,609.72	1/2	1,222.41	1/2	835.20	1/2	448.27	1/2	61.86	1/2		1/2		1/2	
3/4	2,376.27	3/4	1,988.96	3/4	1,601.65	3/4	1,214.35	3/4	827.15	3/4	440.20	3/4	54.67	3/4		3/4		3/4	
4	2,368.20	4	1,980.89	4	1,593.58	4	1,206.28	4	819.09	4	432.13	4	47.48	4		4		4	
1/4	2,360.13	1/4	1,972.82	1/4	1,585.51	1/4	1,198.21	1/4	811.04	1/4	424.06	1/4	40.30	1/4		1/4		1/4	
1/2	2,352.06	1/2	1,964.75	1/2	1,577.45	1/2	1,190.14	1/2	802.98	1/2	415.99	1/2	35.00	1/2		1/2		1/2	
3/4	2,343.99	3/4	1,956.68	3/4	1,569.38	3/4	1,182.07	3/4	794.93	3/4	407.93	3/4	29.71	3/4		3/4		3/4	
5	2,335.92	5	1,948.62	5	1,561.31	5	1,174.00	5	786.87	5	399.86	5	24.41	5		5		5	
1/4	2,327.85	1/4	1,940.55	1/4	1,553.24	1/4	1,165.93	1/4	778.82	1/4	391.79	1/4	19.12	1/4		1/4		1/4	
1/2	2,319.78	1/2	1,932.48	1/2	1,545.17	1/2	1,157.86	1/2	770.77	1/2	383.72	1/2		1/2		1/2		1/2	
3/4	2,311.72	3/4	1,924.41	3/4	1,537.10	3/4	1,149.79	3/4	762.71	3/4	375.65	3/4		3/4		3/4		3/4	
6	2,303.65	6	1,916.34	6	1,529.03	6	1,141.73	6	754.66	6	367.58	6		6		6		6	
1/4	2,295.58	1/4	1,908.27	1/4	1,520.96	1/4	1,133.66	1/4	746.60	1/4	359.51	1/4		1/4		1/4		1/4	
1/2	2,287.51	1/2	1,900.20	1/2	1,512.89	1/2	1,125.59	1/2	738.55	1/2	351.45	1/2		1/2		1/2		1/2	
3/4	2,279.44	3/4	1,892.13	3/4	1,504.83	3/4	1,117.52	3/4	730.49	3/4	343.38	3/4		3/4		3/4		3/4	
7	2,271.37	7	1,884.06	7	1,496.76	7	1,109.45	7	722.44	7	335.31	7		7		7		7	
1/4	2,263.30	1/4	1,876.00	1/4	1,488.69	1/4	1,101.38	1/4	714.38	1/4	327.24	1/4		1/4		1/4		1/4	
1/2	2,255.23	1/2	1,867.93	1/2	1,480.62	1/2	1,093.31	1/2	706.33	1/2	319.17	1/2		1/2		1/2		1/2	
3/4	2,247.16	3/4	1,859.86	3/4	1,472.55	3/4	1,085.24	3/4	698.28	3/4	311.10	3/4		3/4		3/4		3/4	
8	2,239.10	8	1,851.79	8	1,464.48	8	1,077.17	8	690.22	8	303.03	8		8		8		8	
1/4	2,231.03	1/4	1,843.72	1/4	1,456.41	1/4	1,069.11	1/4	682.17	1/4	294.97	1/4		1/4		1/4		1/4	
1/2	2,222.96	1/2	1,835.65	1/2	1,448.34	1/2	1,061.04	1/2	674.11	1/2	286.90	1/2		1/2		1/2		1/2	
3/4	2,214.89	3/4	1,827.58	3/4	1,440.27	3/4	1,052.97	3/4	666.06	3/4	278.83	3/4		3/4		3/4		3/4	
9	2,206.82	9	1,819.51	9	1,432.21	9	1,044.90	9	658.00	9	270.76	9		9		9		9	
1/4	2,198.75	1/4	1,811.44	1/4	1,424.14	1/4	1,036.83	1/4	649.95	1/4	262.69	1/4		1/4		1/4		1/4	
1/2	2,190.68	1/2	1,803.38	1/2	1,416.07	1/2	1,028.76	1/2	641.89	1/2	254.62	1/2		1/2		1/2		1/2	
3/4	2,182.61	3/4	1,795.31	3/4	1,408.00	3/4	1,020.69	3/4	633.83	3/4	246.55	3/4		3/4		3/4		3/4	
10	2,174.54	10	1,787.24	10	1,399.93	10	1,012.62	10	625.77	10	238.49	10		10		10		10	
1/4	2,166.48	1/4	1,779.17	1/4	1,391.86	1/4	1,004.55	1/4	617.71	1/4	230.42	1/4		1/4		1/4		1/4	
1/2	2,158.41	1/2	1,771.10	1/2	1,383.79	1/2	996.49	1/2	609.64	1/2	222.35	1/2		1/2		1/2		1/2	
3/4	2,150.34	3/4	1,763.03	3/4	1,375.72	3/4	988.42	3/4	601.57	3/4	214.28	3/4		3/4		3/4		3/4	
11	2,142.27	11	1,754.96	11	1,367.65	11	980.35	11	593.50	11	206.21	11		11		11		11	
1/4	2,134.20	1/4	1,746.89	1/4	1,359.59	1/4	972.28	1/4	585.44	1/4	198.14	1/4		1/4		1/4		1/4	
1/2	2,126.13	1/2	1,738.82	1/2	1,351.52	1/2	964.21	1/2	577.37	1/2	190.07	1/2		1/2		1/2		1/2	
3/4	2,118.06	3/4	1,730.75	3/4	1,343.45	3/4	956.14	3/4	569.30	3/4	182.01	3/4		3/4		3/4		3/4	

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CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2010

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 32005B"

2 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

Table with columns for depth (0 FT. to 9 FT.) and gauge height (16'-05 1/4"). Each depth row includes multiple gauge height increments (0, 1/4, 1/2, 3/4) and corresponding capacity values in barrels.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7. CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL. CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK. CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE. GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD.

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BARGE "KIRBY 32005B"

2 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

Table with 18 columns (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.) and multiple rows of capacity data.

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BARGE "KIRBY 32005B"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	4,971.89	0	4,637.39	0	4,303.33	0	3,969.27	0	3,635.28	0	3,268.95	0	2,880.24		
1/4		1/4		1/4		1/4	4,964.78	1/4	4,630.43	1/4	4,296.37	1/4	3,962.31	1/4	3,628.33	1/4	3,260.85	1/4	2,872.14		
1/2		1/2		1/2		1/2	4,957.68	1/2	4,623.48	1/2	4,289.41	1/2	3,955.35	1/2	3,621.38	1/2	3,252.75	1/2	2,864.05		
3/4		3/4		3/4		3/4	4,950.58	3/4	4,616.52	3/4	4,282.45	3/4	3,948.39	3/4	3,614.43	3/4	3,244.66	3/4	2,855.95		
1		1		1		1	4,943.62	1	4,609.56	1	4,275.49	1	3,941.43	1	3,607.48	1	3,236.56	1	2,847.85		
1/4		1/4		1/4		1/4	4,936.66	1/4	4,602.60	1/4	4,268.54	1/4	3,934.47	1/4	3,600.53	1/4	3,228.46	1/4	2,839.75		
1/2		1/2		1/2		1/2	4,929.70	1/2	4,595.64	1/2	4,261.58	1/2	3,927.51	1/2	3,593.58	1/2	3,220.36	1/2	2,831.65		
3/4		3/4		3/4		3/4	4,922.74	3/4	4,588.68	3/4	4,254.62	3/4	3,920.56	3/4	3,586.63	3/4	3,212.26	3/4	2,823.55		
2		2		2		2	4,915.78	2	4,581.72	2	4,247.66	2	3,913.60	2	3,579.68	2	3,204.17	2	2,815.46		
1/4		1/4		1/4		1/4	4,908.82	1/4	4,574.76	1/4	4,240.70	1/4	3,906.64	1/4	3,572.73	1/4	3,196.07	1/4	2,807.36		
1/2		1/2		1/2		1/2	4,901.86	1/2	4,567.80	1/2	4,233.74	1/2	3,899.68	1/2	3,565.78	1/2	3,187.97	1/2	2,799.26		
3/4		3/4		3/4		3/4	4,894.90	3/4	4,560.84	3/4	4,226.78	3/4	3,892.72	3/4	3,558.83	3/4	3,179.87	3/4	2,791.16		
3		3		3		3	4,887.94	3	4,553.88	3	4,219.82	3	3,885.76	3	3,551.87	3	3,171.77	3	2,783.06		
1/4		1/4		1/4		1/4	4,880.98	1/4	4,546.92	1/4	4,212.86	1/4	3,878.80	1/4	3,544.92	1/4	3,163.67	1/4	2,774.97		
1/2		1/2		1/2		1/2	4,874.02	1/2	4,539.96	1/2	4,205.90	1/2	3,871.84	1/2	3,537.97	1/2	3,155.58	1/2	2,766.87		
3/4		3/4		3/4		3/4	4,867.06	3/4	4,533.00	3/4	4,198.94	3/4	3,864.88	3/4	3,531.02	3/4	3,147.48	3/4	2,758.77		
4		4		4		4	4,860.10	4	4,526.04	4	4,191.98	4	3,857.92	4	3,524.07	4	3,139.38	4	2,750.67		
1/4		1/4		1/4		1/4	4,853.14	1/4	4,519.08	1/4	4,185.02	1/4	3,850.96	1/4	3,517.12	1/4	3,131.28	1/4	2,742.57		
1/2		1/2		1/2		1/2	4,846.18	1/2	4,512.12	1/2	4,178.06	1/2	3,844.00	1/2	3,510.17	1/2	3,123.18	1/2	2,734.48		
3/4		3/4		3/4		3/4	4,839.22	3/4	4,505.16	3/4	4,171.10	3/4	3,837.04	3/4	3,503.22	3/4	3,115.09	3/4	2,726.38		
5		5		5		5	4,832.26	5	4,498.20	5	4,164.14	5	3,830.08	5	3,495.26	5	3,106.99	5	2,718.28		
1/4		1/4		1/4		1/4	4,825.30	1/4	4,491.24	1/4	4,157.18	1/4	3,823.12	1/4	3,487.31	1/4	3,098.89	1/4	2,710.18		
1/2		1/2		1/2		1/2	4,818.34	1/2	4,484.28	1/2	4,150.22	1/2	3,816.16	1/2	3,479.36	1/2	3,090.79	1/2	2,702.08		
3/4		3/4		3/4		3/4	4,811.38	3/4	4,477.32	3/4	4,143.26	3/4	3,809.20	3/4	3,471.40	3/4	3,082.69	3/4	2,693.98		
6		6		6		6	4,804.42	6	4,470.36	6	4,136.30	6	3,802.24	6	3,463.30	6	3,074.60	6	2,685.89		
1/4		1/4		1/4		1/4	5,130.67	1/4	4,797.47	1/4	4,463.40	1/4	4,129.34	1/4	3,795.28	1/4	3,455.21	1/4	3,066.60	1/4	2,677.79
1/2		1/2		1/2		1/2	5,126.79	1/2	4,790.51	1/2	4,456.44	1/2	4,122.38	1/2	3,788.32	1/2	3,447.11	1/2	3,058.40	1/2	2,669.69
3/4		3/4		3/4		3/4	5,122.90	3/4	4,783.55	3/4	4,449.48	3/4	4,115.42	3/4	3,781.36	3/4	3,439.01	3/4	3,050.30	3/4	2,661.59
7		7		7		7	5,117.66	7	4,776.59	7	4,442.53	7	4,108.46	7	3,774.40	7	3,430.91	7	3,042.20	7	2,653.49
1/4		1/4		1/4		1/4	5,112.43	1/4	4,769.63	1/4	4,435.57	1/4	4,101.50	1/4	3,767.44	1/4	3,422.81	1/4	3,034.11	1/4	2,645.40
1/2		1/2		1/2		1/2	5,107.19	1/2	4,762.67	1/2	4,428.61	1/2	4,094.55	1/2	3,760.48	1/2	3,414.72	1/2	3,026.01	1/2	2,637.30
3/4		3/4		3/4		3/4	5,101.95	3/4	4,755.71	3/4	4,421.65	3/4	4,087.59	3/4	3,753.52	3/4	3,406.62	3/4	3,017.91	3/4	2,629.20
8		8		8		8	5,095.37	8	4,748.75	8	4,414.69	8	4,080.63	8	3,746.57	8	3,398.52	8	3,009.81	8	2,621.10
1/4		1/4		1/4		1/4	5,088.78	1/4	4,741.79	1/4	4,407.73	1/4	4,073.67	1/4	3,739.61	1/4	3,390.42	1/4	3,001.71	1/4	2,613.00
1/2		1/2		1/2		1/2	5,082.19	1/2	4,734.83	1/2	4,400.77	1/2	4,066.71	1/2	3,732.65	1/2	3,382.32	1/2	2,993.61	1/2	2,604.91
3/4		3/4		3/4		3/4	5,075.60	3/4	4,727.87	3/4	4,393.81	3/4	4,059.75	3/4	3,725.69	3/4	3,374.23	3/4	2,985.52	3/4	2,596.81
9		9		9		9	5,067.66	9	4,720.91	9	4,386.85	9	4,052.79	9	3,718.73	9	3,366.13	9	2,977.42	9	2,588.71
1/4		1/4		1/4		1/4	5,059.72	1/4	4,713.95	1/4	4,379.89	1/4	4,045.83	1/4	3,711.77	1/4	3,358.03	1/4	2,969.32	1/4	2,580.61
1/2		1/2		1/2		1/2	5,051.78	1/2	4,706.99	1/2	4,372.93	1/2	4,038.87	1/2	3,704.81	1/2	3,349.93	1/2	2,961.22	1/2	2,572.51
3/4		3/4		3/4		3/4	5,043.84	3/4	4,700.03	3/4	4,365.97	3/4	4,031.91	3/4	3,697.85	3/4	3,341.83	3/4	2,953.12	3/4	2,564.42
10		10		10		10	5,035.74	10	4,693.07	10	4,359.01	10	4,024.95	10	3,690.90	10	3,333.73	10	2,945.03	10	2,556.32
1/4		1/4		1/4		1/4	5,027.63	1/4	4,686.11	1/4	4,352.05	1/4	4,017.99	1/4	3,683.94	1/4	3,325.64	1/4	2,936.93	1/4	2,548.22
1/2		1/2		1/2		1/2	5,019.52	1/2	4,679.15	1/2	4,345.09	1/2	4,011.03	1/2	3,676.99	1/2	3,317.54	1/2	2,928.83	1/2	2,540.12
3/4		3/4		3/4		3/4	5,011.42	3/4	4,672.19	3/4	4,338.13	3/4	4,004.07	3/4	3,670.04	3/4	3,309.44	3/4	2,920.73	3/4	2,532.02
11		11		11		11	5,003.31	11	4,665.23	11	4,331.17	11	3,997.11	11	3,663.09	11	3,301.34	11	2,912.63	11	2,523.92
1/4		1/4		1/4		1/4	4,995.20	1/4	4,658.27	1/4	4,324.21	1/4	3,990.15	1/4	3,656.14	1/4	3,293.24	1/4	2,904.54	1/4	2,515.83
1/2		1/2		1/2		1/2	4,987.10	1/2	4,651.31	1/2	4,317.25	1/2	3,983.19	1/2	3,649.19	1/2	3,285.15	1/2	2,896.44	1/2	2,507.73
3/4		3/4		3/4		3/4	4,978.99	3/4	4,644.35	3/4	4,310.29	3/4	3,976.23	3/4	3,642.23	3/4	3,277.05	3/4	2,888.34	3/4	2,499.63

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3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,491.53	0	2,102.47	0	1,713.42	0	1,324.46	0	936.11	0	547.62	0	158.54	0		0		0	
1/4	2,483.42	1/4	2,094.37	1/4	1,705.31	1/4	1,316.37	1/4	928.00	1/4	539.52	1/4	150.43	1/4		1/4		1/4	
1/2	2,475.32	1/2	2,086.26	1/2	1,697.21	1/2	1,308.28	1/2	919.89	1/2	531.43	1/2	142.33	1/2		1/2		1/2	
3/4	2,467.21	3/4	2,078.16	3/4	1,689.10	3/4	1,300.19	3/4	911.79	3/4	523.33	3/4	134.22	3/4		3/4		3/4	
1	2,459.11	1	2,070.05	1	1,681.00	1	1,292.10	1	903.68	1	515.23	1	126.11	1		1		1	
1/4	2,451.00	1/4	2,061.95	1/4	1,672.89	1/4	1,284.01	1/4	895.57	1/4	507.12	1/4	118.01	1/4		1/4		1/4	
1/2	2,442.90	1/2	2,053.84	1/2	1,664.79	1/2	1,275.92	1/2	887.47	1/2	499.02	1/2	109.90	1/2		1/2		1/2	
3/4	2,434.79	3/4	2,045.74	3/4	1,656.68	3/4	1,267.83	3/4	879.36	3/4	490.91	3/4	101.79	3/4		3/4		3/4	
2	2,426.69	2	2,037.63	2	1,648.58	2	1,259.75	2	871.25	2	482.80	2	93.69	2		2		2	
1/4	2,418.58	1/4	2,029.53	1/4	1,640.47	1/4	1,251.66	1/4	863.15	1/4	474.70	1/4	85.58	1/4		1/4		1/4	
1/2	2,410.48	1/2	2,021.42	1/2	1,632.37	1/2	1,243.57	1/2	855.04	1/2	466.59	1/2	77.47	1/2		1/2		1/2	
3/4	2,402.37	3/4	2,013.32	3/4	1,624.26	3/4	1,235.48	3/4	846.93	3/4	458.48	3/4	69.37	3/4		3/4		3/4	
3	2,394.26	3	2,005.21	3	1,616.16	3	1,227.39	3	838.82	3	450.38	3	62.15	3		3		3	
1/4	2,386.16	1/4	1,997.10	1/4	1,608.05	1/4	1,219.30	1/4	830.72	1/4	442.27	1/4	54.93	1/4		1/4		1/4	
1/2	2,378.05	1/2	1,989.00	1/2	1,599.95	1/2	1,211.22	1/2	822.61	1/2	434.16	1/2	47.71	1/2		1/2		1/2	
3/4	2,369.95	3/4	1,980.89	3/4	1,591.84	3/4	1,203.13	3/4	814.50	3/4	426.06	3/4	40.48	3/4		3/4		3/4	
4	2,361.84	4	1,972.79	4	1,583.73	4	1,195.04	4	806.41	4	417.95	4	35.16	4		4		4	
1/4	2,353.74	1/4	1,964.68	1/4	1,575.63	1/4	1,186.95	1/4	798.31	1/4	409.84	1/4	29.84	1/4		1/4		1/4	
1/2	2,345.63	1/2	1,956.58	1/2	1,567.52	1/2	1,178.86	1/2	790.21	1/2	401.74	1/2	24.52	1/2		1/2		1/2	
3/4	2,337.53	3/4	1,948.47	3/4	1,559.42	3/4	1,170.78	3/4	782.11	3/4	393.63	3/4	19.20	3/4		3/4		3/4	
5	2,329.42	5	1,940.37	5	1,551.31	5	1,162.69	5	774.03	5	385.53	5		5		5		5	
1/4	2,321.32	1/4	1,932.26	1/4	1,543.21	1/4	1,154.60	1/4	765.94	1/4	377.42	1/4		1/4		1/4		1/4	
1/2	2,313.21	1/2	1,924.16	1/2	1,535.10	1/2	1,146.51	1/2	757.85	1/2	369.31	1/2		1/2		1/2		1/2	
3/4	2,305.11	3/4	1,916.05	3/4	1,527.00	3/4	1,138.42	3/4	749.77	3/4	361.21	3/4		3/4		3/4		3/4	
6	2,297.00	6	1,907.95	6	1,518.89	6	1,130.34	6	741.68	6	353.10	6		6		6		6	
1/4	2,288.90	1/4	1,899.84	1/4	1,510.79	1/4	1,122.25	1/4	733.60	1/4	344.99	1/4		1/4		1/4		1/4	
1/2	2,280.79	1/2	1,891.74	1/2	1,502.68	1/2	1,114.16	1/2	725.51	1/2	336.89	1/2		1/2		1/2		1/2	
3/4	2,272.68	3/4	1,883.63	3/4	1,494.58	3/4	1,106.07	3/4	717.42	3/4	328.78	3/4		3/4		3/4		3/4	
7	2,264.58	7	1,875.53	7	1,486.47	7	1,097.99	7	709.34	7	320.67	7		7		7		7	
1/4	2,256.47	1/4	1,867.42	1/4	1,478.37	1/4	1,089.90	1/4	701.25	1/4	312.57	1/4		1/4		1/4		1/4	
1/2	2,248.37	1/2	1,859.31	1/2	1,470.26	1/2	1,081.81	1/2	693.17	1/2	304.46	1/2		1/2		1/2		1/2	
3/4	2,240.26	3/4	1,851.21	3/4	1,462.15	3/4	1,073.72	3/4	685.08	3/4	296.35	3/4		3/4		3/4		3/4	
8	2,232.16	8	1,843.10	8	1,454.05	8	1,065.63	8	677.00	8	288.25	8		8		8		8	
1/4	2,224.05	1/4	1,835.00	1/4	1,445.94	1/4	1,057.55	1/4	668.91	1/4	280.14	1/4		1/4		1/4		1/4	
1/2	2,215.95	1/2	1,826.89	1/2	1,437.84	1/2	1,049.46	1/2	660.82	1/2	272.03	1/2		1/2		1/2		1/2	
3/4	2,207.84	3/4	1,818.79	3/4	1,429.73	3/4	1,041.37	3/4	652.74	3/4	263.93	3/4		3/4		3/4		3/4	
9	2,199.74	9	1,810.68	9	1,421.63	9	1,033.28	9	644.65	9	255.82	9		9		9		9	
1/4	2,191.63	1/4	1,802.58	1/4	1,413.52	1/4	1,025.20	1/4	636.57	1/4	247.71	1/4		1/4		1/4		1/4	
1/2	2,183.53	1/2	1,794.47	1/2	1,405.42	1/2	1,017.11	1/2	628.48	1/2	239.61	1/2		1/2		1/2		1/2	
3/4	2,175.42	3/4	1,786.37	3/4	1,397.31	3/4	1,009.02	3/4	620.40	3/4	231.50	3/4		3/4		3/4		3/4	
10	2,167.32	10	1,778.26	10	1,389.21	10	1,000.92	10	612.31	10	223.39	10		10		10		10	
1/4	2,159.21	1/4	1,770.16	1/4	1,381.12	1/4	992.83	1/4	604.22	1/4	215.29	1/4		1/4		1/4		1/4	
1/2	2,151.11	1/2	1,762.05	1/2	1,373.02	1/2	984.73	1/2	596.14	1/2	207.18	1/2		1/2		1/2		1/2	
3/4	2,143.00	3/4	1,753.95	3/4	1,364.92	3/4	976.64	3/4	588.05	3/4	199.07	3/4		3/4		3/4		3/4	
11	2,134.89	11	1,745.84	11	1,356.83	11	968.53	11	579.97	11	190.97	11		11		11		11	
1/4	2,126.79	1/4	1,737.74	1/4	1,348.74	1/4	960.42	1/4	571.88	1/4	182.86	1/4		1/4		1/4		1/4	
1/2	2,118.68	1/2	1,729.63	1/2	1,340.65	1/2	952.32	1/2	563.80	1/2	174.75	1/2		1/2		1/2		1/2	
3/4	2,110.58	3/4	1,721.52	3/4	1,332.55	3/4	944.21	3/4	555.71	3/4	166.65	3/4		3/4		3/4		3/4	

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CANCELS AND SUPERCEDES
 ALL PRIOR TO 11/2010

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



BARGE "KIRBY 32005B"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

10 FT.			11 FT.			12 FT.			13 FT.			14 FT.			15 FT.			16 FT.			17 FT.			18 FT.			19 FT.					
IN			IN			IN			IN			IN			IN			IN			IN			IN			IN			IN		
0		2,474.51	0		2,087.07	0		1,700.05	0		1,312.92	0		938.48	0		550.93	0		162.40	0			0			0			0		
1/4		2,466.41	1/4		2,079.03	1/4		1,691.96	1/4		1,305.15	1/4		930.38	1/4		542.84	1/4		154.31	1/4			1/4			1/4			1/4		
1/2		2,458.32	1/2		2,070.99	1/2		1,683.87	1/2		1,297.38	1/2		922.29	1/2		534.76	1/2		146.22	1/2			1/2			1/2			1/2		
3/4		2,450.23	3/4		2,062.94	3/4		1,675.78	3/4		1,289.60	3/4		914.19	3/4		526.67	3/4		138.12	3/4			3/4			3/4			3/4		
1		2,442.14	1		2,054.90	1		1,667.69	1		1,281.83	1		906.10	1		518.57	1		130.03	1			1			1			1		
1/4		2,434.05	1/4		2,046.86	1/4		1,659.59	1/4		1,274.05	1/4		898.00	1/4		510.48	1/4		121.94	1/4			1/4			1/4			1/4		
1/2		2,425.96	1/2		2,038.82	1/2		1,651.50	1/2		1,266.28	1/2		889.91	1/2		502.38	1/2		113.84	1/2			1/2			1/2			1/2		
3/4		2,417.86	3/4		2,030.77	3/4		1,643.41	3/4		1,258.50	3/4		881.81	3/4		494.29	3/4		105.75	3/4			3/4			3/4			3/4		
2		2,409.77	2		2,022.73	2		1,635.32	2		1,250.73	2		873.72	2		486.20	2		97.66	2			2			2			2		
1/4		2,401.68	1/4		2,014.69	1/4		1,627.23	1/4		1,242.96	1/4		865.63	1/4		478.10	1/4		89.56	1/4			1/4			1/4			1/4		
1/2		2,393.59	1/2		2,006.65	1/2		1,619.14	1/2		1,235.18	1/2		857.55	1/2		470.01	1/2		81.47	1/2			1/2			1/2			1/2		
3/4		2,385.49	3/4		1,998.60	3/4		1,611.04	3/4		1,227.41	3/4		849.46	3/4		461.91	3/4		73.38	3/4			3/4			3/4			3/4		
3		2,377.40	3		1,990.56	3		1,602.95	3		1,219.63	3		841.37	3		453.82	3		66.04	3			3			3			3		
1/4		2,369.31	1/4		1,982.52	1/4		1,594.86	1/4		1,211.86	1/4		833.28	1/4		445.72	1/4		58.70	1/4			1/4			1/4			1/4		
1/2		2,361.22	1/2		1,974.48	1/2		1,586.77	1/2		1,204.08	1/2		825.19	1/2		437.63	1/2		51.36	1/2			1/2			1/2			1/2		
3/4		2,353.12	3/4		1,966.44	3/4		1,578.68	3/4		1,196.31	3/4		817.10	3/4		429.53	3/4		44.03	3/4			3/4			3/4			3/4		
4		2,345.03	4		1,958.39	4		1,570.59	4		1,188.54	4		809.03	4		421.44	4		38.45	4			4			4			4		
1/4		2,336.94	1/4		1,950.35	1/4		1,562.49	1/4		1,180.76	1/4		800.96	1/4		413.34	1/4		32.88	1/4			1/4			1/4			1/4		
1/2		2,328.85	1/2		1,942.31	1/2		1,554.40	1/2		1,172.99	1/2		792.89	1/2		405.25	1/2		27.31	1/2			1/2			1/2			1/2		
3/4		2,320.76	3/4		1,934.27	3/4		1,546.31	3/4		1,165.21	3/4		784.82	3/4		397.15	3/4		21.74	3/4			3/4			3/4			3/4		
5		2,312.66	5		1,926.22	5		1,538.22	5		1,157.44	5		776.76	5		389.06	5			5			5			5			5		
1/4		2,304.57	1/4		1,918.18	1/4		1,530.13	1/4		1,149.67	1/4		768.69	1/4		380.96	1/4			1/4			1/4			1/4			1/4		
1/2		2,296.48	1/2		1,910.14	1/2		1,522.04	1/2		1,141.89	1/2		760.63	1/2		372.87	1/2			1/2			1/2			1/2			1/2		
3/4		2,288.39	3/4		1,902.10	3/4		1,513.94	3/4		1,134.12	3/4		752.56	3/4		364.77	3/4			3/4			3/4			3/4			3/4		
6		2,280.29	6		1,894.05	6		1,505.85	6		1,126.34	6		744.50	6		356.68	6			6			6			6			6		
1/4		2,272.20	1/4		1,886.01	1/4		1,497.76	1/4		1,118.57	1/4		736.43	1/4		348.58	1/4			1/4			1/4			1/4			1/4		
1/2		2,264.10	1/2		1,877.97	1/2		1,489.67	1/2		1,110.79	1/2		728.37	1/2		340.49	1/2			1/2			1/2			1/2			1/2		
3/4		2,256.01	3/4		1,869.93	3/4		1,481.58	3/4		1,103.02	3/4		720.30	3/4		332.39	3/4			3/4			3/4			3/4			3/4		
7		2,247.95	7		1,861.85	7		1,473.49	7		1,095.25	7		712.24	7		324.30	7			7			7			7			7		
1/4		2,239.90	1/4		1,853.77	1/4		1,465.39	1/4		1,087.47	1/4		704.18	1/4		316.20	1/4			1/4			1/4			1/4			1/4		
1/2		2,231.84	1/2		1,845.69	1/2		1,457.30	1/2		1,079.70	1/2		696.11	1/2		308.11	1/2			1/2			1/2			1/2			1/2		
3/4		2,223.79	3/4		1,837.61	3/4		1,449.21	3/4		1,071.92	3/4		688.05	3/4		300.01	3/4			3/4			3/4			3/4			3/4		
8		2,215.75	8		1,829.52	8		1,441.12	8		1,064.15	8		679.98	8		291.92	8			8			8			8			8		
1/4		2,207.70	1/4		1,821.43	1/4		1,433.03	1/4		1,056.38	1/4		671.92	1/4		283.83	1/4			1/4			1/4			1/4			1/4		
1/2		2,199.66	1/2		1,813.34	1/2		1,424.93	1/2		1,048.60	1/2		663.85	1/2		275.73	1/2			1/2			1/2			1/2			1/2		
3/4		2,191.62	3/4		1,805.24	3/4		1,416.84	3/4		1,040.83	3/4		655.79	3/4		267.64	3/4			3/4			3/4			3/4			3/4		
9		2,183.58	9		1,797.15	9		1,408.75	9		1,033.05	9		647.73	9		259.54	9			9			9			9			9		
1/4		2,175.54	1/4		1,789.06	1/4		1,400.66	1/4		1,025.28	1/4		639.66	1/4		251.45	1/4			1/4			1/4			1/4			1/4		
1/2		2,167.49	1/2		1,780.97	1/2		1,392.57	1/2		1,017.50	1/2		631.60	1/2		243.35	1/2			1/2			1/2			1/2			1/2		
3/4		2,159.45	3/4		1,772.88	3/4		1,384.48	3/4		1,009.73	3/4		623.53	3/4		235.26	3/4			3/4			3/4			3/4			3/4		
10		2,151.41	10		1,764.79	10		1,376.38	10		1,001.96	10		615.47	10		227.16	10			10			10			10			10		
1/4		2,143.37	1/4		1,756.69	1/4		1,368.29	1/4		994.18	1/4		607.40	1/4		219.07	1/4			1/4			1/4			1/4			1/4		
1/2		2,135.32	1/2		1,748.60	1/2		1,360.20	1/2		986.41	1/2		599.34	1/2		210.97	1/2			1/2			1/2			1/2			1/2		
3/4		2,127.28	3/4		1,740.51	3/4		1,352.11	3/4		978.63	3/4		591.27	3/4		202.88	3/4			3/4			3/4			3/4			3/4		
11		2,119.24	11		1,732.42	11		1,344.26	11		970.62	11		583.21	11		194.78	11			11			11			11			11		
1/4		2,111.20	1/4		1,724.33	1/4		1,336.40	1/4		962.60	1/4		575.15	1/4		186.69	1/4			1/4			1/4			1/4			1/4		
1/2		2,103.15	1/2		1,716.24	1/2		1,328.55	1/2		954.59	1/2		567.08	1/2		178.59	1/2			1/2			1/2			1/2			1/2		
3/4		2,095.11	3/4		1,708.14	3/4		1,320.70	3/4		946.57	3/4		559.02	3/4		170.50	3/4			3/4			3/4			3/4			3/4		

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