



BARGE "KIRBY 28074"

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	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-3/4	- 02-3/4
1 STBD	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-3/4	- 02-3/4
2 PORT	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-5/8	- 02-5/8
2 STBD	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-5/8	- 02-5/8
3 PORT	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-1/2	- 02-1/2
3 STBD	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-1/2	- 02-1/2

(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 2 PORT IS - 00-7/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 1/8"

LENGTH BETWEEN DRAFT MARKS: 241'-09"

May 25, 2006

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
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<http://www.pmacorp.net>



BARGE "KIRBY 28074"

1 PORT

ULLAGE TABLE

GAUGE HEIGHT 16'-07 1/4"

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

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	4,829.54	0	4,503.13	0	4,169.62	0	3,812.56	0	3,446.33	0	3,080.09	0	2,713.86		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,823.90	1/4	4,496.44	1/4	4,162.41	1/4	3,804.93	1/4	3,438.70	1/4	3,072.46	1/4	2,706.23		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,817.07	1/2	4,489.72	1/2	4,155.16	1/2	3,797.30	1/2	3,431.07	1/2	3,064.83	1/2	2,698.60		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,810.24	3/4	4,483.00	3/4	4,147.91	3/4	3,789.67	3/4	3,423.44	3/4	3,057.20	3/4	2,690.97		
1	1	1	1	1	1	1	4,803.41	1	4,476.28	1	4,140.65	1	3,782.04	1	3,415.81	1	3,049.57	1	2,683.34		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,796.58	1/4	4,469.56	1/4	4,133.40	1/4	3,774.41	1/4	3,408.18	1/4	3,041.94	1/4	2,675.71		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,789.12	1/2	4,462.81	1/2	4,126.11	1/2	3,766.78	1/2	3,400.55	1/2	3,034.31	1/2	2,668.08		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,781.65	3/4	4,456.05	3/4	4,118.83	3/4	3,759.15	3/4	3,392.92	3/4	3,026.68	3/4	2,660.45		
2	2	2	2	2	2	2	4,774.19	2	4,449.29	2	4,111.54	2	3,751.52	2	3,385.29	2	3,019.05	2	2,652.82		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,766.72	1/4	4,442.54	1/4	4,104.25	1/4	3,743.89	1/4	3,377.66	1/4	3,011.42	1/4	2,645.19		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,759.17	1/2	4,435.75	1/2	4,096.93	1/2	3,736.26	1/2	3,370.03	1/2	3,003.79	1/2	2,637.56		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,751.63	3/4	4,428.95	3/4	4,089.60	3/4	3,728.63	3/4	3,362.40	3/4	2,996.16	3/4	2,629.93		
3	3	3	3	3	3	3	4,744.08	3	4,422.16	3	4,082.28	3	3,721.00	3	3,354.77	3	2,988.53	3	2,622.30		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,736.54	1/4	4,415.37	1/4	4,074.95	1/4	3,713.37	1/4	3,347.14	1/4	2,980.90	1/4	2,614.67		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,729.27	1/2	4,408.54	1/2	4,067.60	1/2	3,705.74	1/2	3,339.51	1/2	2,973.27	1/2	2,607.04		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,722.01	3/4	4,401.71	3/4	4,060.24	3/4	3,698.11	3/4	3,331.88	3/4	2,965.64	3/4	2,599.41		
4	4	4	4	4	4	4	4,714.74	4	4,394.88	4	4,052.89	4	3,690.48	4	3,324.25	4	2,958.01	4	2,591.78		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,707.47	1/4	4,388.05	1/4	4,045.53	1/4	3,682.85	1/4	3,316.62	1/4	2,950.38	1/4	2,584.15		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,700.76	1/2	4,381.18	1/2	4,038.14	1/2	3,675.22	1/2	3,308.99	1/2	2,942.75	1/2	2,576.52		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,694.04	3/4	4,374.31	3/4	4,030.75	3/4	3,667.59	3/4	3,301.36	3/4	2,935.12	3/4	2,568.89		
5	5	5	5	5	5	5	4,687.32	5	4,367.45	5	4,023.35	5	3,659.96	5	3,293.73	5	2,927.49	5	2,561.26		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,680.61	1/4	4,360.58	1/4	4,015.96	1/4	3,652.33	1/4	3,286.10	1/4	2,919.86	1/4	2,553.63		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,674.14	1/2	4,353.67	1/2	4,008.53	1/2	3,644.70	1/2	3,278.47	1/2	2,912.23	1/2	2,546.00		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,667.68	3/4	4,346.77	3/4	4,001.10	3/4	3,637.07	3/4	3,270.84	3/4	2,904.60	3/4	2,538.37		
6	6	6	6	6	6	6	4,661.21	6	4,339.86	6	3,993.68	6	3,629.44	6	3,263.21	6	2,896.97	6	2,530.74		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,654.75	1/4	4,332.96	1/4	3,986.25	1/4	3,621.81	1/4	3,255.58	1/4	2,889.34	1/4	2,523.11		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,648.24	1/2	4,325.99	1/2	3,978.78	1/2	3,614.18	1/2	3,247.95	1/2	2,881.71	1/2	2,515.48		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,641.74	3/4	4,319.03	3/4	3,971.31	3/4	3,606.55	3/4	3,240.32	3/4	2,874.08	3/4	2,507.85		
7	7	7	7	7	7	7	4,635.24	7	4,312.07	7	3,963.85	7	3,598.92	7	3,232.69	7	2,866.45	7	2,500.22		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,628.73	1/4	4,305.10	1/4	3,956.38	1/4	3,591.29	1/4	3,225.06	1/4	2,858.82	1/4	2,492.59		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,622.19	1/2	4,298.06	1/2	3,948.88	1/2	3,583.66	1/2	3,217.43	1/2	2,851.19	1/2	2,484.96		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,615.65	3/4	4,291.02	3/4	3,941.37	3/4	3,576.03	3/4	3,209.80	3/4	2,843.56	3/4	2,477.33		
8	8	8	8	8	8	8	4,609.11	8	4,283.97	8	3,933.87	8	3,568.40	8	3,202.17	8	2,835.93	8	2,469.70		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,602.57	1/4	4,276.93	1/4	3,926.37	1/4	3,560.78	1/4	3,194.54	1/4	2,828.30	1/4	2,462.07		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,595.99	1/2	4,269.83	1/2	3,918.83	1/2	3,553.15	1/2	3,186.91	1/2	2,820.67	1/2	2,454.44		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,589.42	3/4	4,262.73	3/4	3,911.28	3/4	3,545.52	3/4	3,179.28	3/4	2,813.04	3/4	2,446.81		
9	9	9	9	9	9	9	4,582.84	9	4,255.63	9	3,903.74	9	3,537.89	9	3,171.65	9	2,805.41	9	2,439.18		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,576.26	1/4	4,248.53	1/4	3,896.20	1/4	3,530.26	1/4	3,164.02	1/4	2,797.79	1/4	2,431.55		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,569.65	1/2	4,241.39	1/2	3,888.62	1/2	3,522.63	1/2	3,156.39	1/2	2,790.16	1/2	2,423.92		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,563.03	3/4	4,234.25	3/4	3,881.05	3/4	3,515.00	3/4	3,148.76	3/4	2,782.53	3/4	2,416.29		
10	10	10	10	10	10	10	4,556.42	10	4,227.11	10	3,873.47	10	3,507.37	10	3,141.13	10	2,774.90	10	2,408.66		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,549.80	1/4	4,219.97	1/4	3,865.89	1/4	3,499.74	1/4	3,133.50	1/4	2,767.27	1/4	2,401.03		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,543.15	1/2	4,212.79	1/2	3,858.28	1/2	3,492.11	1/2	3,125.87	1/2	2,759.64	1/2	2,393.40		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,536.50	3/4	4,205.62	3/4	3,850.67	3/4	3,484.48	3/4	3,118.24	3/4	2,752.01	3/4	2,385.77		
11	11	11	11	11	11	11	4,529.84	11	4,198.44	11	3,843.06	11	3,476.85	11	3,110.61	11	2,744.38	11	2,378.14		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,523.19	1/4	4,191.26	1/4	3,835.45	1/4	3,469.22	1/4	3,102.98	1/4	2,736.75	1/4	2,370.51		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,516.50	1/2	4,184.05	1/2	3,827.82	1/2	3,461.59	1/2	3,095.35	1/2	2,729.12	1/2	2,362.88		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,835.18	3/4	4,509.82	3/4	4,176.84	3/4	3,820.19	3/4	3,453.96	3/4	3,087.72	3/4	2,721.49	3/4	2,355.25

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 12'-09" OFF CENTERLINE AND 53'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "KIRBY 28074"

1 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
N	B	N	B	N	B	N	B	N	B	N	B	N	B	N	B	N	B	N	B
0	2,347.62	0	1,981.39	0	1,615.14	0	1,249.54	0	885.51	0	519.52	0	174.79	0		0		0	
1/4	2,339.99	1/4	1,973.76	1/4	1,607.51	1/4	1,241.91	1/4	877.94	1/4	511.89	1/4	168.09	1/4		1/4		1/4	
1/2	2,332.36	1/2	1,966.13	1/2	1,599.88	1/2	1,234.28	1/2	870.35	1/2	504.28	1/2	161.48	1/2		1/2		1/2	
3/4	2,324.73	3/4	1,958.50	3/4	1,592.25	3/4	1,226.65	3/4	862.76	3/4	496.67	3/4	154.87	3/4		3/4		3/4	
1	2,317.10	1	1,950.87	1	1,584.62	1	1,219.02	1	855.17	1	489.06	1	148.26	1		1		1	
1/4	2,309.47	1/4	1,943.24	1/4	1,576.99	1/4	1,211.39	1/4	847.58	1/4	481.45	1/4	141.65	1/4		1/4		1/4	
1/2	2,301.84	1/2	1,935.61	1/2	1,569.36	1/2	1,203.77	1/2	839.97	1/2	473.91	1/2	135.13	1/2		1/2		1/2	
3/4	2,294.21	3/4	1,927.98	3/4	1,561.73	3/4	1,196.15	3/4	832.35	3/4	466.36	3/4	128.61	3/4		3/4		3/4	
2	2,286.58	2	1,920.35	2	1,554.10	2	1,188.54	2	824.73	2	458.81	2	122.09	2		2		2	
1/4	2,278.95	1/4	1,912.72	1/4	1,546.47	1/4	1,180.92	1/4	817.12	1/4	451.27	1/4	115.57	1/4		1/4		1/4	
1/2	2,271.32	1/2	1,905.08	1/2	1,538.84	1/2	1,173.33	1/2	809.49	1/2	443.81	1/2	109.15	1/2		1/2		1/2	
3/4	2,263.69	3/4	1,897.45	3/4	1,531.21	3/4	1,165.74	3/4	801.86	3/4	436.35	3/4	102.73	3/4		3/4		3/4	
3	2,256.06	3	1,889.82	3	1,523.57	3	1,158.15	3	794.23	3	428.88	3	96.31	3		3		3	
1/4	2,248.43	1/4	1,882.19	1/4	1,515.94	1/4	1,150.56	1/4	786.60	1/4	421.42	1/4	89.89	1/4		1/4		1/4	
1/2	2,240.80	1/2	1,874.56	1/2	1,508.31	1/2	1,142.99	1/2	778.97	1/2	414.05	1/2	83.57	1/2		1/2		1/2	
3/4	2,233.17	3/4	1,866.93	3/4	1,500.68	3/4	1,135.41	3/4	771.33	3/4	406.67	3/4	77.25	3/4		3/4		3/4	
4	2,225.54	4	1,859.30	4	1,493.05	4	1,127.84	4	763.70	4	399.29	4	70.94	4		4		4	
1/4	2,217.91	1/4	1,851.67	1/4	1,485.42	1/4	1,120.27	1/4	756.07	1/4	391.92	1/4	64.62	1/4		1/4		1/4	
1/2	2,210.28	1/2	1,844.04	1/2	1,477.81	1/2	1,112.69	1/2	748.44	1/2	384.63	1/2	58.42	1/2		1/2		1/2	
3/4	2,202.65	3/4	1,836.41	3/4	1,470.19	3/4	1,105.12	3/4	740.81	3/4	377.33	3/4	52.22	3/4		3/4		3/4	
5	2,195.02	5	1,828.78	5	1,462.57	5	1,097.55	5	733.18	5	370.04	5	46.03	5		5		5	
1/4	2,187.39	1/4	1,821.15	1/4	1,454.96	1/4	1,089.98	1/4	725.55	1/4	362.75	1/4	39.83	1/4		1/4		1/4	
1/2	2,179.76	1/2	1,813.52	1/2	1,447.36	1/2	1,082.40	1/2	717.92	1/2	355.54	1/2	34.33	1/2		1/2		1/2	
3/4	2,172.13	3/4	1,805.89	3/4	1,439.75	3/4	1,074.83	3/4	710.29	3/4	348.34	3/4	28.82	3/4		3/4		3/4	
6	2,164.50	6	1,798.26	6	1,432.15	6	1,067.26	6	702.66	6	341.13	6	23.32	6		6		6	
1/4	2,156.87	1/4	1,790.63	1/4	1,424.55	1/4	1,059.69	1/4	695.03	1/4	333.92	1/4	17.82	1/4		1/4		1/4	
1/2	2,149.24	1/2	1,783.00	1/2	1,416.95	1/2	1,052.11	1/2	687.40	1/2	326.80	1/2	14.26	1/2		1/2		1/2	
3/4	2,141.61	3/4	1,775.37	3/4	1,409.34	3/4	1,044.54	3/4	679.77	3/4	319.68	3/4	10.70	3/4		3/4		3/4	
7	2,133.98	7	1,767.74	7	1,401.74	7	1,036.97	7	672.14	7	312.56	7	7.14	7		7		7	
1/4	2,126.35	1/4	1,760.11	1/4	1,394.14	1/4	1,029.40	1/4	664.51	1/4	305.44	1/4	3.59	1/4		1/4		1/4	
1/2	2,118.72	1/2	1,752.48	1/2	1,386.53	1/2	1,021.82	1/2	656.88	1/2	298.40	1/2		1/2		1/2		1/2	
3/4	2,111.09	3/4	1,744.85	3/4	1,378.93	3/4	1,014.25	3/4	649.25	3/4	291.36	3/4		3/4		3/4		3/4	
8	2,103.46	8	1,737.22	8	1,371.33	8	1,006.68	8	641.62	8	284.32	8		8		8		8	
1/4	2,095.83	1/4	1,729.59	1/4	1,363.73	1/4	999.11	1/4	633.99	1/4	277.29	1/4		1/4		1/4		1/4	
1/2	2,088.20	1/2	1,721.96	1/2	1,356.12	1/2	991.53	1/2	626.35	1/2	270.34	1/2		1/2		1/2		1/2	
3/4	2,080.57	3/4	1,714.33	3/4	1,348.52	3/4	983.96	3/4	618.72	3/4	263.38	3/4		3/4		3/4		3/4	
9	2,072.94	9	1,706.70	9	1,340.92	9	976.39	9	611.09	9	256.43	9		9		9		9	
1/4	2,065.31	1/4	1,699.07	1/4	1,333.31	1/4	968.82	1/4	603.46	1/4	249.48	1/4		1/4		1/4		1/4	
1/2	2,057.68	1/2	1,691.44	1/2	1,325.71	1/2	961.24	1/2	595.83	1/2	242.61	1/2		1/2		1/2		1/2	
3/4	2,050.05	3/4	1,683.81	3/4	1,318.11	3/4	953.67	3/4	588.20	3/4	235.74	3/4		3/4		3/4		3/4	
10	2,042.42	10	1,676.18	10	1,310.50	10	946.10	10	580.57	10	228.88	10		10		10		10	
1/4	2,034.80	1/4	1,668.55	1/4	1,302.90	1/4	938.53	1/4	572.94	1/4	222.01	1/4		1/4		1/4		1/4	
1/2	2,027.17	1/2	1,660.92	1/2	1,295.28	1/2	930.95	1/2	565.31	1/2	215.23	1/2		1/2		1/2		1/2	
3/4	2,019.54	3/4	1,653.29	3/4	1,287.67	3/4	923.38	3/4	557.68	3/4	208.44	3/4		3/4		3/4		3/4	
11	2,011.91	11	1,645.66	11	1,280.05	11	915.81	11	550.05	11	201.66	11		11		11		11	
1/4	2,004.28	1/4	1,638.03	1/4	1,272.43	1/4	908.24	1/4	542.42	1/4	194.88	1/4		1/4		1/4		1/4	
1/2	1,996.65	1/2	1,630.40	1/2	1,264.80	1/2	900.66	1/2	534.78	1/2	188.18	1/2		1/2		1/2		1/2	
3/4	1,989.02	3/4	1,622.77	3/4	1,257.17	3/4	893.09	3/4	527.15	3/4	181.48	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/25/2006 CL - SW
CALCULATED: 05/25/2006 CL
PRINTED: 05/25/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2006

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



BARGE "KIRBY 28074"

1 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/8"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	3/8	1/4	4,824.70	1/4	4,500.64	1/4	4,166.91	1/4	3,809.69	1/4	3,443.49	1/4	3,077.30	1/4	2,711.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,821.29	1/2	4,493.93	1/2	4,159.68	1/2	3,802.05	1/2	3,435.86	1/2	3,069.67	1/2	2,703.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,814.46	3/4	4,487.21	3/4	4,152.43	3/4	3,794.43	3/4	3,428.23	3/4	3,062.04	3/4	2,695.85
1	1	1	1	1	1	1	4,807.63	1	4,480.49	1	4,145.18	1	3,786.80	1	3,420.60	1	3,054.41	1	2,688.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,800.81	1/4	4,473.78	1/4	4,137.93	1/4	3,779.17	1/4	3,412.98	1/4	3,046.78	1/4	2,680.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,793.66	1/2	4,467.04	1/2	4,130.66	1/2	3,771.54	1/2	3,405.35	1/2	3,039.15	1/2	2,672.96
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,786.20	3/4	4,460.28	3/4	4,123.37	3/4	3,763.91	3/4	3,397.72	3/4	3,031.53	3/4	2,665.33
2	2	2	2	2	2	2	4,778.73	2	4,453.53	2	4,116.08	2	3,756.28	2	3,390.09	2	3,023.90	2	2,657.70
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,771.27	1/4	4,446.78	1/4	4,108.79	1/4	3,748.65	1/4	3,382.46	1/4	3,016.27	1/4	2,650.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,763.76	1/2	4,440.00	1/2	4,101.49	1/2	3,741.02	1/2	3,374.83	1/2	3,008.64	1/2	2,642.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,756.22	3/4	4,433.21	3/4	4,094.17	3/4	3,733.39	3/4	3,367.20	3/4	3,001.01	3/4	2,634.82
3	3	3	3	3	3	3	4,748.67	3	4,426.42	3	4,086.84	3	3,725.76	3	3,359.57	3	2,993.38	3	2,627.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,741.13	1/4	4,419.63	1/4	4,079.52	1/4	3,718.14	1/4	3,351.94	1/4	2,985.75	1/4	2,619.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,733.72	1/2	4,412.82	1/2	4,072.18	1/2	3,710.51	1/2	3,344.31	1/2	2,978.12	1/2	2,611.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,726.46	3/4	4,405.99	3/4	4,064.83	3/4	3,702.88	3/4	3,336.69	3/4	2,970.49	3/4	2,604.30
4	4	4	4	4	4	4	4,719.19	4	4,399.16	4	4,057.47	4	3,695.25	4	3,329.06	4	2,962.86	4	2,596.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,711.93	1/4	4,392.33	1/4	4,050.12	1/4	3,687.62	1/4	3,321.43	1/4	2,955.24	1/4	2,589.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,704.94	1/2	4,385.48	1/2	4,042.74	1/2	3,679.99	1/2	3,313.80	1/2	2,947.61	1/2	2,581.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,698.22	3/4	4,378.61	3/4	4,035.35	3/4	3,672.36	3/4	3,306.17	3/4	2,939.98	3/4	2,573.79
5	5	5	5	5	5	5	4,691.51	5	4,371.75	5	4,027.96	5	3,664.73	5	3,298.54	5	2,932.35	5	2,566.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,684.79	1/4	4,364.88	1/4	4,020.57	1/4	3,657.10	1/4	3,290.91	1/4	2,924.72	1/4	2,558.53
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,678.20	1/2	4,357.99	1/2	4,013.16	1/2	3,649.47	1/2	3,283.28	1/2	2,917.09	1/2	2,550.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,671.74	3/4	4,351.09	3/4	4,005.73	3/4	3,641.85	3/4	3,275.65	3/4	2,909.46	3/4	2,543.27
6	6	6	6	6	6	6	4,665.27	6	4,344.19	6	3,998.30	6	3,634.22	6	3,268.02	6	2,901.83	6	2,535.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,658.81	1/4	4,337.28	1/4	3,990.88	1/4	3,626.59	1/4	3,260.40	1/4	2,894.20	1/4	2,528.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,652.32	1/2	4,330.35	1/2	3,983.43	1/2	3,618.96	1/2	3,252.77	1/2	2,886.57	1/2	2,520.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,645.82	3/4	4,323.39	3/4	3,975.96	3/4	3,611.33	3/4	3,245.14	3/4	2,878.95	3/4	2,512.75
7	7	7	7	7	7	7	4,639.32	7	4,316.42	7	3,968.50	7	3,603.70	7	3,237.51	7	2,871.32	7	2,505.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,632.82	1/4	4,309.46	1/4	3,961.03	1/4	3,596.07	1/4	3,229.88	1/4	2,863.69	1/4	2,497.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,626.30	1/2	4,302.46	1/2	3,953.55	1/2	3,588.44	1/2	3,222.25	1/2	2,856.06	1/2	2,489.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,619.76	3/4	4,295.42	3/4	3,946.05	3/4	3,580.81	3/4	3,214.62	3/4	2,848.43	3/4	2,482.24
8	8	8	8	8	8	8	4,613.22	8	4,288.38	8	3,938.54	8	3,573.18	8	3,206.99	8	2,840.80	8	2,474.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,606.68	1/4	4,281.33	1/4	3,931.04	1/4	3,565.56	1/4	3,199.36	1/4	2,833.17	1/4	2,466.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,600.12	1/2	4,274.26	1/2	3,923.52	1/2	3,557.93	1/2	3,191.73	1/2	2,825.54	1/2	2,459.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,593.54	3/4	4,267.16	3/4	3,915.98	3/4	3,550.30	3/4	3,184.11	3/4	2,817.91	3/4	2,451.72
9	9	9	9	9	9	9	4,586.97	9	4,260.06	9	3,908.44	9	3,542.67	9	3,176.48	9	2,810.28	9	2,444.09
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,580.39	1/4	4,252.96	1/4	3,900.90	1/4	3,535.04	1/4	3,168.85	1/4	2,802.66	1/4	2,436.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,573.80	1/2	4,245.84	1/2	3,893.34	1/2	3,527.41	1/2	3,161.22	1/2	2,795.03	1/2	2,428.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,567.18	3/4	4,238.70	3/4	3,885.76	3/4	3,519.78	3/4	3,153.59	3/4	2,787.40	3/4	2,421.21
10	10	10	10	10	10	10	4,560.57	10	4,231.56	10	3,878.19	10	3,512.15	10	3,145.96	10	2,779.77	10	2,413.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,553.95	1/4	4,224.43	1/4	3,870.61	1/4	3,504.52	1/4	3,138.33	1/4	2,772.14	1/4	2,405.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,547.32	1/2	4,217.27	1/2	3,863.01	1/2	3,496.89	1/2	3,130.70	1/2	2,764.51	1/2	2,398.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,540.67	3/4	4,210.09	3/4	3,855.41	3/4	3,489.27	3/4	3,123.07	3/4	2,756.88	3/4	2,390.69
11	11	11	11	11	11	11	4,534.02	11	4,202.92	11	3,847.80	11	3,481.64	11	3,115.44	11	2,749.25	11	2,383.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,527.37	1/4	4,195.74	1/4	3,840.19	1/4	3,474.01	1/4	3,107.82	1/4	2,741.62	1/4	2,375.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,520.70	1/2	4,188.55	1/2	3,832.57	1/2	3,466.38	1/2	3,100.19	1/2	2,733.99	1/2	2,367.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,514.01	3/4	4,181.33	3/4	3,824.94	3/4	3,458.75	3/4	3,092.56	3/4	2,726.37	3/4	2,360.17

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 12'-09" OFF CENTERLINE AND 53'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28074"

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/8"

N	10 FT.	N	11 FT.	N	12 FT.	N	13 FT.	N	14 FT.	N	15 FT.	N	16 FT.	N	17 FT.	N	18 FT.	N	19 FT.
0	2,352.54	0	1,986.35	0	1,620.15	0	1,254.59	0	889.40	0	523.27	0	178.11	0		0		0	
1/4	2,344.92	1/4	1,978.73	1/4	1,612.52	1/4	1,246.96	1/4	881.80	1/4	515.64	1/4	171.41	1/4		1/4		1/4	
1/2	2,337.29	1/2	1,971.10	1/2	1,604.89	1/2	1,239.33	1/2	874.19	1/2	508.02	1/2	164.76	1/2		1/2		1/2	
3/4	2,329.66	3/4	1,963.47	3/4	1,597.26	3/4	1,231.70	3/4	866.57	3/4	500.41	3/4	158.15	3/4		3/4		3/4	
1	2,322.03	1	1,955.84	1	1,589.63	1	1,224.07	1	858.96	1	492.80	1	151.54	1		1		1	
1/4	2,314.40	1/4	1,948.21	1/4	1,582.00	1/4	1,216.44	1/4	851.34	1/4	485.19	1/4	144.93	1/4		1/4		1/4	
1/2	2,306.77	1/2	1,940.58	1/2	1,574.37	1/2	1,208.81	1/2	843.72	1/2	477.62	1/2	138.37	1/2		1/2		1/2	
3/4	2,299.14	3/4	1,932.95	3/4	1,566.74	3/4	1,201.18	3/4	836.09	3/4	470.07	3/4	131.85	3/4		3/4		3/4	
2	2,291.51	2	1,925.32	2	1,559.11	2	1,193.55	2	828.46	2	462.52	2	125.33	2		2		2	
1/4	2,283.88	1/4	1,917.69	1/4	1,551.48	1/4	1,185.92	1/4	820.83	1/4	454.98	1/4	118.81	1/4		1/4		1/4	
1/2	2,276.25	1/2	1,910.06	1/2	1,543.85	1/2	1,178.30	1/2	813.20	1/2	447.48	1/2	112.34	1/2		1/2		1/2	
3/4	2,268.63	3/4	1,902.43	3/4	1,536.23	3/4	1,170.68	3/4	805.57	3/4	440.02	3/4	105.92	3/4		3/4		3/4	
3	2,261.00	3	1,894.80	3	1,528.60	3	1,163.07	3	797.94	3	432.56	3	99.50	3		3		3	
1/4	2,253.37	1/4	1,887.17	1/4	1,520.97	1/4	1,155.45	1/4	790.31	1/4	425.10	1/4	93.08	1/4		1/4		1/4	
1/2	2,245.74	1/2	1,879.54	1/2	1,513.34	1/2	1,147.84	1/2	782.68	1/2	417.68	1/2	86.72	1/2		1/2		1/2	
3/4	2,238.11	3/4	1,871.91	3/4	1,505.71	3/4	1,140.24	3/4	775.05	3/4	410.30	3/4	80.40	3/4		3/4		3/4	
4	2,230.48	4	1,864.29	4	1,498.08	4	1,132.63	4	767.42	4	402.93	4	74.08	4		4		4	
1/4	2,222.85	1/4	1,856.66	1/4	1,490.45	1/4	1,125.03	1/4	759.79	1/4	395.55	1/4	67.77	1/4		1/4		1/4	
1/2	2,215.22	1/2	1,849.03	1/2	1,482.83	1/2	1,117.43	1/2	752.16	1/2	388.22	1/2	61.51	1/2		1/2		1/2	
3/4	2,207.59	3/4	1,841.40	3/4	1,475.21	3/4	1,109.83	3/4	744.53	3/4	380.93	3/4	55.31	3/4		3/4		3/4	
5	2,199.96	5	1,833.77	5	1,467.60	5	1,102.23	5	736.90	5	373.64	5	49.12	5		5		5	
1/4	2,192.34	1/4	1,826.14	1/4	1,459.98	1/4	1,094.63	1/4	729.27	1/4	366.35	1/4	42.92	1/4		1/4		1/4	
1/2	2,184.71	1/2	1,818.51	1/2	1,452.37	1/2	1,087.03	1/2	721.64	1/2	359.10	1/2	37.07	1/2		1/2		1/2	
3/4	2,177.08	3/4	1,810.88	3/4	1,444.77	3/4	1,079.43	3/4	714.01	3/4	351.89	3/4	31.57	3/4		3/4		3/4	
6	2,169.45	6	1,803.25	6	1,437.17	6	1,071.83	6	706.38	6	344.69	6	26.07	6		6		6	
1/4	2,161.82	1/4	1,795.62	1/4	1,429.57	1/4	1,064.23	1/4	698.75	1/4	337.48	1/4	20.57	1/4		1/4		1/4	
1/2	2,154.19	1/2	1,787.99	1/2	1,421.97	1/2	1,056.62	1/2	691.12	1/2	330.32	1/2	16.04	1/2		1/2		1/2	
3/4	2,146.56	3/4	1,780.36	3/4	1,414.36	3/4	1,049.02	3/4	683.50	3/4	323.20	3/4	12.48	3/4		3/4		3/4	
7	2,138.93	7	1,772.73	7	1,406.76	7	1,041.42	7	675.87	7	316.07	7	8.92	7		7		7	
1/4	2,131.30	1/4	1,765.10	1/4	1,399.16	1/4	1,033.82	1/4	668.24	1/4	308.95	1/4	5.36	1/4		1/4		1/4	
1/2	2,123.67	1/2	1,757.48	1/2	1,391.56	1/2	1,026.22	1/2	660.61	1/2	301.87	1/2	3.58	1/2		1/2		1/2	
3/4	2,116.05	3/4	1,749.85	3/4	1,383.96	3/4	1,018.62	3/4	652.98	3/4	294.84	3/4		3/4		3/4		3/4	
8	2,108.42	8	1,742.22	8	1,376.35	8	1,011.02	8	645.35	8	287.80	8		8		8		8	
1/4	2,100.79	1/4	1,734.59	1/4	1,368.75	1/4	1,003.42	1/4	637.72	1/4	280.77	1/4		1/4		1/4		1/4	
1/2	2,093.16	1/2	1,726.96	1/2	1,361.15	1/2	995.82	1/2	630.09	1/2	273.77	1/2		1/2		1/2		1/2	
3/4	2,085.53	3/4	1,719.33	3/4	1,353.55	3/4	988.22	3/4	622.46	3/4	266.82	3/4		3/4		3/4		3/4	
9	2,077.90	9	1,711.70	9	1,345.95	9	980.62	9	614.83	9	259.87	9		9		9		9	
1/4	2,070.27	1/4	1,704.07	1/4	1,338.34	1/4	973.02	1/4	607.20	1/4	252.92	1/4		1/4		1/4		1/4	
1/2	2,062.64	1/2	1,696.44	1/2	1,330.74	1/2	965.42	1/2	599.57	1/2	246.01	1/2		1/2		1/2		1/2	
3/4	2,055.01	3/4	1,688.81	3/4	1,323.14	3/4	957.82	3/4	591.94	3/4	239.14	3/4		3/4		3/4		3/4	
10	2,047.38	10	1,681.18	10	1,315.54	10	950.21	10	584.31	10	232.28	10		10		10		10	
1/4	2,039.76	1/4	1,673.55	1/4	1,307.93	1/4	942.61	1/4	576.68	1/4	225.41	1/4		1/4		1/4		1/4	
1/2	2,032.13	1/2	1,665.92	1/2	1,300.32	1/2	935.01	1/2	569.05	1/2	218.58	1/2		1/2		1/2		1/2	
3/4	2,024.50	3/4	1,658.29	3/4	1,292.71	3/4	927.41	3/4	561.42	3/4	211.80	3/4		3/4		3/4		3/4	
11	2,016.87	11	1,650.67	11	1,285.09	11	919.81	11	553.79	11	205.02	11		11		11		11	
1/4	2,009.24	1/4	1,643.04	1/4	1,277.48	1/4	912.21	1/4	546.16	1/4	198.24	1/4		1/4		1/4		1/4	
1/2	2,001.61	1/2	1,635.41	1/2	1,269.85	1/2	904.61	1/2	538.53	1/2	191.50	1/2		1/2		1/2		1/2	
3/4	1,993.98	3/4	1,627.78	3/4	1,262.22	3/4	897.01	3/4	530.90	3/4	184.80	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/25/2006 CL - SW
CALCULATED: 05/25/2006 CL
PRINTED: 05/25/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2006

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



BARGE "KIRBY 28074"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
N	0	N	0	N	0	N	0	N	0	N	0	N	0	N	0	N	0	N	0	N	0
0																					
1/4		1/4		1/4		1/4	4,849.03	1/4	4,524.69	1/4	4,193.29	1/4	3,838.47	1/4	3,474.55	1/4	3,110.61	1/4	2,746.68		
	1/2		1/2		1/2		4,843.43		4,518.05		4,186.12		3,830.89		3,466.96		3,103.03		2,739.10		
	3/4		3/4		3/4		4,836.65		4,511.37		4,178.91		3,823.31		3,459.38		3,095.45		2,731.52		
1		1		1		1	4,829.86	1	4,504.69	1	4,171.71	1	3,815.73	1	3,451.80	1	3,087.87	1	2,723.94		
	1/4		1/4		1/4		4,823.07		4,498.01		4,164.50		3,808.15		3,444.22		3,080.29		2,716.36		
	1/2		1/2		1/2		4,816.29		4,491.34		4,157.30		3,800.57		3,436.64		3,072.70		2,708.77		
	3/4		3/4		3/4		4,808.87		4,484.62		4,150.05		3,792.99		3,429.05		3,065.12		2,701.19		
2		2		2		2	4,801.45	2	4,477.91	2	4,142.81	2	3,785.40	2	3,421.47	2	3,057.54	2	2,693.61		
	1/4		1/4		1/4		4,794.03		4,471.20		4,135.57		3,777.82		3,413.89		3,049.96		2,686.03		
	1/2		1/2		1/2		4,786.61		4,464.49		4,128.33		3,770.24		3,406.31		3,042.38		2,678.45		
	3/4		3/4		3/4		4,779.11		4,457.74		4,121.05		3,762.66		3,398.73		3,034.79		2,670.86		
3		3		3		3	4,771.62	3	4,450.99	3	4,113.77	3	3,755.08	3	3,391.14	3	3,027.21	3	2,663.28		
	1/4		1/4		1/4		4,764.12		4,444.24		4,106.49		3,747.49		3,383.56		3,019.63		2,655.70		
	1/2		1/2		1/2		4,756.62		4,437.49		4,099.21		3,739.91		3,375.98		3,012.05		2,648.12		
	3/4		3/4		3/4		4,749.40		4,430.70		4,091.90		3,732.33		3,368.40		3,004.47		2,640.54		
4		4		4		4	4,742.18	4	4,423.91	4	4,084.59	4	3,724.75	4	3,360.82	4	2,996.89	4	2,632.95		
	1/4		1/4		1/4		4,734.96		4,417.13		4,077.28		3,717.17		3,353.23		2,989.30		2,625.37		
	1/2		1/2		1/2		4,727.74		4,410.34		4,069.97		3,709.58		3,345.65		2,981.72		2,617.79		
	3/4		3/4		3/4		4,721.07		4,403.51		4,062.63		3,702.00		3,338.07		2,974.14		2,610.21		
5		5		5		5	4,714.39	5	4,396.69	5	4,055.28	5	3,694.42	5	3,330.49	5	2,966.56	5	2,602.63		
	1/4		1/4		1/4		4,707.72		4,389.87		4,047.94		3,686.84		3,322.91		2,958.98		2,595.04		
	1/2		1/2		1/2		4,701.05		4,383.04		4,040.59		3,679.26		3,315.33		2,951.39		2,587.46		
	3/4		3/4		3/4		4,694.62		4,376.18		4,033.21		3,671.67		3,307.74		2,943.81		2,579.88		
6		6		6		6	4,688.20	6	4,369.32	6	4,025.83	6	3,664.09	6	3,300.16	6	2,936.23	6	2,572.30		
	1/4		1/4		1/4		4,681.77		4,362.46		4,018.45		3,656.51		3,292.58		2,928.65		2,564.72		
	1/2		1/2		1/2		4,675.35		4,355.60		4,011.06		3,648.93		3,285.00		2,921.07		2,557.14		
	3/4		3/4		3/4		4,668.89		4,348.68		4,003.65		3,641.35		3,277.42		2,913.48		2,549.55		
7		7		7		7	4,662.42	7	4,341.76	7	3,996.23	7	3,633.77	7	3,269.83	7	2,905.90	7	2,541.97		
	1/4		1/4		1/4		4,655.96		4,334.84		3,988.81		3,626.18		3,262.25		2,898.32		2,534.39		
	1/2		1/2		1/2		4,649.50		4,327.92		3,981.39		3,618.60		3,254.67		2,890.74		2,526.81		
	3/4		3/4		3/4		4,643.00		4,320.92		3,973.93		3,611.02		3,247.09		2,883.16		2,519.23		
8		8		8		8	4,636.50	8	4,313.92	8	3,966.47	8	3,603.44	8	3,239.51	8	2,875.58	8	2,511.64		
	1/4		1/4		1/4		4,630.00		4,306.92		3,959.02		3,595.86		3,231.92		2,867.99		2,504.06		
	1/2		1/2		1/2		4,623.51		4,299.93		3,951.56		3,588.27		3,224.34		2,860.41		2,496.48		
	3/4		3/4		3/4		4,616.97		4,292.87		3,944.07		3,580.69		3,216.76		2,852.83		2,488.90		
9		9		9		9	4,610.43	9	4,285.81	9	3,936.57	9	3,573.11	9	3,209.18	9	2,845.25	9	2,481.32		
	1/4		1/4		1/4		4,603.90		4,278.75		3,929.08		3,565.53		3,201.60		2,837.67		2,473.73		
	1/2		1/2		1/2		4,597.36		4,271.70		3,921.59		3,557.95		3,194.01		2,830.08		2,466.15		
	3/4		3/4		3/4		4,590.79		4,264.60		3,914.06		3,550.36		3,186.43		2,822.50		2,458.57		
10		10		10		10	4,584.22	10	4,257.51	10	3,906.52	10	3,542.78	10	3,178.85	10	2,814.92	10	2,450.99		
	1/4		1/4		1/4		4,577.64		4,250.41		3,898.99		3,535.20		3,171.27		2,807.34		2,443.41		
	1/2		1/2		1/2		4,571.07		4,243.32		3,891.46		3,527.62		3,163.69		2,799.76		2,435.82		
	3/4		3/4		3/4		4,564.46		4,236.19		3,883.90		3,520.04		3,156.11		2,792.17		2,428.24		
11		11		11		11	4,557.85	11	4,229.06	11	3,876.34	11	3,512.45	11	3,148.52	11	2,784.59	11	2,420.66		
	1/4		1/4		1/4		4,551.24		4,221.93		3,868.78		3,504.87		3,140.94		2,777.01		2,413.08		
	1/2		1/2		1/2		4,544.63		4,214.79		3,861.21		3,497.29		3,133.36		2,769.43		2,405.50		
	3/4		3/4		3/4		4,537.98		4,207.63		3,853.63		3,489.71		3,125.78		2,761.85		2,397.92		

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 12'-03" OFF CENTERLINE AND 52'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28074"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

N	10 FT.	N	11 FT.	N	12 FT.	N	13 FT.	N	14 FT.	N	15 FT.	N	16 FT.	N	17 FT.	N	18 FT.	N	19 FT.
0	2,390.33	0	2,026.40	0	1,662.46	0	1,302.40	0	951.52	0	591.28	0	227.30	0		0		0	
1/4	2,382.75	1/4	2,018.82	1/4	1,654.88	1/4	1,294.81	1/4	944.27	1/4	583.70	1/4	219.72	1/4		1/4		1/4	
1/2	2,375.17	1/2	2,011.23	1/2	1,647.29	1/2	1,287.23	1/2	937.01	1/2	576.11	1/2	212.13	1/2		1/2		1/2	
3/4	2,367.59	3/4	2,003.65	3/4	1,639.71	3/4	1,279.65	3/4	929.74	3/4	568.53	3/4	204.55	3/4		3/4		3/4	
1	2,360.01	1	1,996.07	1	1,632.13	1	1,272.07	1	922.48	1	560.95	1	196.97	1		1		1	
1/4	2,352.42	1/4	1,988.49	1/4	1,624.55	1/4	1,264.48	1/4	915.21	1/4	553.36	1/4	189.39	1/4		1/4		1/4	
1/2	2,344.84	1/2	1,980.91	1/2	1,616.97	1/2	1,256.90	1/2	907.94	1/2	545.78	1/2	181.81	1/2		1/2		1/2	
3/4	2,337.26	3/4	1,973.32	3/4	1,609.38	3/4	1,249.47	3/4	900.66	3/4	538.20	3/4	174.24	3/4		3/4		3/4	
2	2,329.68	2	1,965.74	2	1,601.80	2	1,242.04	2	893.38	2	530.62	2	166.67	2		2		2	
1/4	2,322.10	1/4	1,958.16	1/4	1,594.22	1/4	1,234.61	1/4	886.10	1/4	523.03	1/4	159.09	1/4		1/4		1/4	
1/2	2,314.51	1/2	1,950.58	1/2	1,586.64	1/2	1,227.17	1/2	878.82	1/2	515.45	1/2	151.52	1/2		1/2		1/2	
3/4	2,306.93	3/4	1,943.00	3/4	1,579.05	3/4	1,219.91	3/4	871.38	3/4	507.87	3/4	143.96	3/4		3/4		3/4	
3	2,299.35	3	1,935.41	3	1,571.47	3	1,212.64	3	863.95	3	500.28	3	136.40	3		3		3	
1/4	2,291.77	1/4	1,927.83	1/4	1,563.89	1/4	1,205.37	1/4	856.52	1/4	492.70	1/4	128.84	1/4		1/4		1/4	
1/2	2,284.19	1/2	1,920.25	1/2	1,556.31	1/2	1,198.10	1/2	849.09	1/2	485.12	1/2	121.28	1/2		1/2		1/2	
3/4	2,276.60	3/4	1,912.67	3/4	1,548.81	3/4	1,190.84	3/4	841.51	3/4	477.53	3/4	113.73	3/4		3/4		3/4	
4	2,269.02	4	1,905.09	4	1,541.31	4	1,183.59	4	833.92	4	469.95	4	106.19	4		4		4	
1/4	2,261.44	1/4	1,897.50	1/4	1,533.80	1/4	1,176.34	1/4	826.34	1/4	462.37	1/4	98.65	1/4		1/4		1/4	
1/2	2,253.86	1/2	1,889.92	1/2	1,526.30	1/2	1,169.08	1/2	818.76	1/2	454.79	1/2	91.11	1/2		1/2		1/2	
3/4	2,246.28	3/4	1,882.34	3/4	1,518.88	3/4	1,161.83	3/4	811.18	3/4	447.20	3/4	83.60	3/4		3/4		3/4	
5	2,238.70	5	1,874.76	5	1,511.46	5	1,154.58	5	803.59	5	439.62	5	76.09	5		5		5	
1/4	2,231.11	1/4	1,867.17	1/4	1,504.04	1/4	1,147.33	1/4	796.01	1/4	432.04	1/4	68.59	1/4		1/4		1/4	
1/2	2,223.53	1/2	1,859.59	1/2	1,496.62	1/2	1,140.07	1/2	788.43	1/2	424.45	1/2	61.08	1/2		1/2		1/2	
3/4	2,215.95	3/4	1,852.01	3/4	1,489.20	3/4	1,132.82	3/4	780.85	3/4	416.87	3/4	54.18	3/4		3/4		3/4	
6	2,208.37	6	1,844.43	6	1,481.78	6	1,125.57	6	773.26	6	409.29	6	47.28	6		6		6	
1/4	2,200.79	1/4	1,836.85	1/4	1,474.36	1/4	1,118.32	1/4	765.68	1/4	401.71	1/4	40.38	1/4		1/4		1/4	
1/2	2,193.20	1/2	1,829.26	1/2	1,466.94	1/2	1,111.07	1/2	758.10	1/2	394.12	1/2	33.47	1/2		1/2		1/2	
3/4	2,185.62	3/4	1,821.68	3/4	1,459.52	3/4	1,103.81	3/4	750.52	3/4	386.54	3/4	28.42	3/4		3/4		3/4	
7	2,178.04	7	1,814.10	7	1,452.10	7	1,096.56	7	742.93	7	378.96	7	23.37	7		7		7	
1/4	2,170.46	1/4	1,806.52	1/4	1,444.68	1/4	1,089.31	1/4	735.35	1/4	371.37	1/4	18.32	1/4		1/4		1/4	
1/2	2,162.88	1/2	1,798.94	1/2	1,437.26	1/2	1,082.06	1/2	727.77	1/2	363.79	1/2	13.26	1/2		1/2		1/2	
3/4	2,155.29	3/4	1,791.35	3/4	1,429.84	3/4	1,074.81	3/4	720.19	3/4	356.21	3/4		3/4		3/4		3/4	
8	2,147.71	8	1,783.77	8	1,422.42	8	1,067.56	8	712.60	8	348.63	8		8		8		8	
1/4	2,140.13	1/4	1,776.19	1/4	1,415.00	1/4	1,060.30	1/4	705.02	1/4	341.04	1/4		1/4		1/4		1/4	
1/2	2,132.55	1/2	1,768.61	1/2	1,407.58	1/2	1,053.05	1/2	697.44	1/2	333.46	1/2		1/2		1/2		1/2	
3/4	2,124.97	3/4	1,761.03	3/4	1,400.16	3/4	1,045.80	3/4	689.86	3/4	325.88	3/4		3/4		3/4		3/4	
9	2,117.39	9	1,753.44	9	1,392.74	9	1,038.55	9	682.27	9	318.29	9		9		9		9	
1/4	2,109.80	1/4	1,745.86	1/4	1,385.32	1/4	1,031.30	1/4	674.69	1/4	310.71	1/4		1/4		1/4		1/4	
1/2	2,102.22	1/2	1,738.28	1/2	1,377.90	1/2	1,024.04	1/2	667.11	1/2	303.13	1/2		1/2		1/2		1/2	
3/4	2,094.64	3/4	1,730.70	3/4	1,370.40	3/4	1,016.79	3/4	659.52	3/4	295.55	3/4		3/4		3/4		3/4	
10	2,087.06	10	1,723.11	10	1,362.90	10	1,009.54	10	651.94	10	287.96	10		10		10		10	
1/4	2,079.48	1/4	1,715.53	1/4	1,355.40	1/4	1,002.29	1/4	644.36	1/4	280.38	1/4		1/4		1/4		1/4	
1/2	2,071.89	1/2	1,707.95	1/2	1,347.89	1/2	995.04	1/2	636.78	1/2	272.80	1/2		1/2		1/2		1/2	
3/4	2,064.31	3/4	1,700.37	3/4	1,340.31	3/4	987.78	3/4	629.19	3/4	265.21	3/4		3/4		3/4		3/4	
11	2,056.73	11	1,692.79	11	1,332.73	11	980.53	11	621.61	11	257.63	11		11		11		11	
1/4	2,049.15	1/4	1,685.20	1/4	1,325.15	1/4	973.28	1/4	614.03	1/4	250.05	1/4		1/4		1/4		1/4	
1/2	2,041.57	1/2	1,677.62	1/2	1,317.56	1/2	966.03	1/2	606.44	1/2	242.46	1/2		1/2		1/2		1/2	
3/4	2,033.98	3/4	1,670.04	3/4	1,309.98	3/4	958.77	3/4	598.86	3/4	234.88	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/25/2006 CL - SW
CALCULATED: 05/25/2006 CL
PRINTED: 05/25/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2006

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



BARGE "KIRBY 28074"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

N	0 FT.	N	1 FT.	N	2 FT.	N	3 FT.	N	4 FT.	N	5 FT.	N	6 FT.	N	7 FT.	N	8 FT.	N	9 FT.
0		0		0		0	4,859.71	1/4	4,540.92	0	4,209.47	0	3,854.62	0	3,490.64	0	3,126.67	0	2,762.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,852.92	1/2	4,527.60	1/2	4,195.10	1/2	3,839.45	1/2	3,475.48	1/2	3,111.50	1/2	2,747.53
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,846.13	3/4	4,520.92	3/4	4,187.89	3/4	3,831.87	3/4	3,467.90	3/4	3,103.92	3/4	2,739.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,839.34	1	4,514.24	1	4,180.68	1	3,824.29	1	3,460.31	1	3,096.34	1	2,732.36
1	1	1	1	1	1	1	4,832.55	1/4	4,507.56	1/4	4,173.48	1/4	3,816.70	1/4	3,452.73	1/4	3,088.76	1/4	2,724.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,825.14	1/2	4,500.85	1/2	4,166.23	1/2	3,809.12	1/2	3,445.15	1/2	3,081.17	1/2	2,717.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,817.72	3/4	4,494.13	3/4	4,158.99	3/4	3,801.54	3/4	3,437.56	3/4	3,073.59	3/4	2,709.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,810.30	2	4,487.42	2	4,151.75	2	3,793.96	2	3,429.98	2	3,066.01	2	2,702.03
2	2	2	2	2	2	2	4,802.88	1/4	4,480.71	1/4	4,144.50	1/4	3,786.37	1/4	3,422.40	1/4	3,058.42	1/4	2,694.45
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,795.38	1/2	4,473.95	1/2	4,137.22	1/2	3,778.79	1/2	3,414.82	1/2	3,050.84	1/2	2,686.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,787.88	3/4	4,467.20	3/4	4,129.95	3/4	3,771.21	3/4	3,407.23	3/4	3,043.26	3/4	2,679.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,780.38	3	4,460.45	3	4,122.67	3	3,763.62	3	3,399.65	3	3,035.68	3	2,671.70
3	3	3	3	3	3	3	4,772.88	1/4	4,453.70	1/4	4,115.39	1/4	3,756.04	1/4	3,392.07	1/4	3,028.09	1/4	2,664.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,765.66	1/2	4,446.92	1/2	4,108.08	1/2	3,748.46	1/2	3,384.48	1/2	3,020.51	1/2	2,656.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,758.44	3/4	4,440.13	3/4	4,100.77	3/4	3,740.88	3/4	3,376.90	3/4	3,012.93	3/4	2,648.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,751.22	4	4,433.34	4	4,093.46	4	3,733.29	4	3,369.32	4	3,005.34	4	2,641.37
4	4	4	4	4	4	4	4,744.00	1/4	4,426.55	1/4	4,086.14	1/4	3,725.71	1/4	3,361.74	1/4	2,997.76	1/4	2,633.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,737.32	1/2	4,419.73	1/2	4,078.80	1/2	3,718.13	1/2	3,354.15	1/2	2,990.18	1/2	2,626.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,730.65	3/4	4,412.90	3/4	4,071.45	3/4	3,710.54	3/4	3,346.57	3/4	2,982.60	3/4	2,618.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,723.97	5	4,406.08	5	4,064.11	5	3,702.96	5	3,338.99	5	2,975.01	5	2,611.04
5	5	5	5	5	5	5	4,717.30	1/4	4,399.25	1/4	4,056.76	1/4	3,695.38	1/4	3,331.40	1/4	2,967.43	1/4	2,603.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,710.87	1/2	4,392.39	1/2	4,049.38	1/2	3,687.80	1/2	3,323.82	1/2	2,959.85	1/2	2,595.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,704.45	3/4	4,385.53	3/4	4,041.99	3/4	3,680.21	3/4	3,316.24	3/4	2,952.26	3/4	2,588.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,698.02	6	4,378.67	6	4,034.61	6	3,672.63	6	3,308.66	6	2,944.68	6	2,580.71
6	6	6	6	6	6	6	4,691.60	1/4	4,371.80	1/4	4,027.23	1/4	3,665.05	1/4	3,301.07	1/4	2,937.10	1/4	2,573.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,685.13	1/2	4,364.88	1/2	4,019.81	1/2	3,657.47	1/2	3,293.49	1/2	2,929.52	1/2	2,565.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,678.67	3/4	4,357.96	3/4	4,012.39	3/4	3,649.88	3/4	3,285.91	3/4	2,921.93	3/4	2,557.96
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,672.21	7	4,351.04	7	4,004.97	7	3,642.30	7	3,278.33	7	2,914.35	7	2,550.38
7	7	7	7	7	7	7	4,665.75	1/4	4,344.12	1/4	3,997.55	1/4	3,634.72	1/4	3,270.74	1/4	2,906.77	1/4	2,542.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,659.25	1/2	4,337.12	1/2	3,990.09	1/2	3,627.13	1/2	3,263.16	1/2	2,899.19	1/2	2,535.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,652.75	3/4	4,330.12	3/4	3,982.63	3/4	3,619.55	3/4	3,255.58	3/4	2,891.60	3/4	2,527.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,646.25	8	4,323.12	8	3,975.17	8	3,611.97	8	3,247.99	8	2,884.02	8	2,520.05
8	8	8	8	8	8	8	4,639.75	1/4	4,316.12	1/4	3,967.72	1/4	3,604.39	1/4	3,240.41	1/4	2,876.44	1/4	2,512.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,633.21	1/2	4,309.07	1/2	3,960.22	1/2	3,596.80	1/2	3,232.83	1/2	2,868.85	1/2	2,504.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,626.67	3/4	4,302.01	3/4	3,952.73	3/4	3,589.22	3/4	3,225.25	3/4	2,861.27	3/4	2,497.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,620.14	9	4,294.95	9	3,945.23	9	3,581.64	9	3,217.66	9	2,853.69	9	2,489.71
9	9	9	9	9	9	9	4,613.60	1/4	4,287.89	1/4	3,937.74	1/4	3,574.05	1/4	3,210.08	1/4	2,846.11	1/4	2,482.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,607.03	1/2	4,280.80	1/2	3,930.21	1/2	3,566.47	1/2	3,202.50	1/2	2,838.52	1/2	2,474.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,600.45	3/4	4,273.70	3/4	3,922.68	3/4	3,558.89	3/4	3,194.91	3/4	2,830.94	3/4	2,466.97
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,593.88	10	4,266.61	10	3,915.14	10	3,551.31	10	3,187.33	10	2,823.36	10	2,459.38
10	10	10	10	10	10	10	4,587.30	1/4	4,259.51	1/4	3,907.61	1/4	3,543.72	1/4	3,179.75	1/4	2,815.77	1/4	2,451.80
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,580.69	1/2	4,252.38	1/2	3,900.05	1/2	3,536.14	1/2	3,172.17	1/2	2,808.19	1/2	2,444.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,574.08	3/4	4,245.25	3/4	3,892.49	3/4	3,528.56	3/4	3,164.58	3/4	2,800.61	3/4	2,436.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,567.47	11	4,238.11	11	3,884.92	11	3,520.97	11	3,157.00	11	2,793.03	11	2,429.05
11	11	11	11	11	11	11	4,560.86	1/4	4,230.98	1/4	3,877.36	1/4	3,513.39	1/4	3,149.42	1/4	2,785.44	1/4	2,421.47
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,554.21	1/2	4,223.81	1/2	3,869.78	1/2	3,505.81	1/2	3,141.83	1/2	2,777.86	1/2	2,413.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,547.57	3/4	4,216.64	3/4	3,862.20	3/4	3,498.23	3/4	3,134.25	3/4	2,770.28	3/4	2,406.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4													

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 12'-09" OFF CENTERLINE AND 52'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28074"

2 STBD
ULLAGE TABLE

GAUGE HEIGHT 16'-07 1/4"

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

N	10 FT.	N	11 FT.	N	12 FT.	N	13 FT.	N	14 FT.	N	15 FT.	N	16 FT.	N	17 FT.	N	18 FT.	N	19 FT.
0	2,398.72	0	2,034.74	0	1,670.76	0	1,310.65	0	947.70	0	583.76	0	219.74	0	0	0	0	0	0
1/4	2,391.14	1/4	2,027.16	1/4	1,663.18	1/4	1,303.07	1/4	940.14	1/4	576.18	1/4	212.16	1/4		1/4	1/4	1/4	1/4
1/2	2,383.55	1/2	2,019.58	1/2	1,655.59	1/2	1,295.49	1/2	932.57	1/2	568.60	1/2	204.58	1/2		1/2	1/2	1/2	1/2
3/4	2,375.97	3/4	2,011.99	3/4	1,648.01	3/4	1,287.90	3/4	925.00	3/4	561.01	3/4	197.00	3/4		3/4	3/4	3/4	3/4
1	2,368.39	1	2,004.41	1	1,640.43	1	1,280.32	1	917.43	1	553.43	1	189.42	1		1	1	1	1
1/4	2,360.81	1/4	1,996.83	1/4	1,632.84	1/4	1,272.74	1/4	909.86	1/4	545.85	1/4	181.84	1/4		1/4	1/4	1/4	1/4
1/2	2,353.22	1/2	1,989.24	1/2	1,625.26	1/2	1,265.15	1/2	902.27	1/2	538.26	1/2	174.26	1/2		1/2	1/2	1/2	1/2
3/4	2,345.64	3/4	1,981.66	3/4	1,617.68	3/4	1,257.57	3/4	894.69	3/4	530.68	3/4	166.69	3/4		3/4	3/4	3/4	3/4
2	2,338.06	2	1,974.08	2	1,610.09	2	1,249.98	2	887.11	2	523.09	2	159.11	2		2	2	2	2
1/4	2,330.48	1/4	1,966.50	1/4	1,602.51	1/4	1,242.40	1/4	879.52	1/4	515.51	1/4	151.54	1/4		1/4	1/4	1/4	1/4
1/2	2,322.89	1/2	1,958.91	1/2	1,594.93	1/2	1,234.83	1/2	871.94	1/2	507.93	1/2	143.98	1/2		1/2	1/2	1/2	1/2
3/4	2,315.31	3/4	1,951.33	3/4	1,587.35	3/4	1,227.26	3/4	864.36	3/4	500.34	3/4	136.41	3/4		3/4	3/4	3/4	3/4
3	2,307.73	3	1,943.75	3	1,579.76	3	1,219.69	3	856.77	3	492.76	3	128.85	3		3	3	3	3
1/4	2,300.14	1/4	1,936.16	1/4	1,572.18	1/4	1,212.12	1/4	849.19	1/4	485.18	1/4	121.29	1/4		1/4	1/4	1/4	1/4
1/2	2,292.56	1/2	1,928.58	1/2	1,564.60	1/2	1,204.56	1/2	841.61	1/2	477.59	1/2	113.75	1/2		1/2	1/2	1/2	1/2
3/4	2,284.98	3/4	1,921.00	3/4	1,557.02	3/4	1,197.00	3/4	834.02	3/4	470.01	3/4	106.21	3/4		3/4	3/4	3/4	3/4
4	2,277.40	4	1,913.41	4	1,549.43	4	1,189.45	4	826.44	4	462.42	4	98.66	4		4	4	4	4
1/4	2,269.81	1/4	1,905.83	1/4	1,542.17	1/4	1,181.89	1/4	818.86	1/4	454.84	1/4	91.12	1/4		1/4	1/4	1/4	1/4
1/2	2,262.23	1/2	1,898.25	1/2	1,534.75	1/2	1,174.34	1/2	811.27	1/2	447.26	1/2	83.61	1/2		1/2	1/2	1/2	1/2
3/4	2,254.65	3/4	1,890.67	3/4	1,527.33	3/4	1,166.78	3/4	803.69	3/4	439.67	3/4	76.10	3/4		3/4	3/4	3/4	3/4
5	2,247.06	5	1,883.08	5	1,519.91	5	1,159.23	5	796.11	5	432.09	5	68.59	5		5	5	5	5
1/4	2,239.48	1/4	1,875.50	1/4	1,512.49	1/4	1,151.67	1/4	788.52	1/4	424.50	1/4	61.08	1/4		1/4	1/4	1/4	1/4
1/2	2,231.90	1/2	1,867.92	1/2	1,505.07	1/2	1,144.12	1/2	780.94	1/2	416.92	1/2	54.18	1/2		1/2	1/2	1/2	1/2
3/4	2,224.32	3/4	1,860.33	3/4	1,497.65	3/4	1,136.57	3/4	773.36	3/4	409.34	3/4	47.28	3/4		3/4	3/4	3/4	3/4
6	2,216.73	6	1,852.75	6	1,490.23	6	1,129.01	6	765.77	6	401.75	6	40.38	6		6	6	6	6
1/4	2,209.15	1/4	1,845.17	1/4	1,482.80	1/4	1,121.46	1/4	758.19	1/4	394.17	1/4	33.48	1/4		1/4	1/4	1/4	1/4
1/2	2,201.57	1/2	1,837.58	1/2	1,475.38	1/2	1,113.90	1/2	750.61	1/2	386.59	1/2	28.42	1/2		1/2	1/2	1/2	1/2
3/4	2,193.98	3/4	1,830.00	3/4	1,467.96	3/4	1,106.35	3/4	743.02	3/4	379.00	3/4	23.37	3/4		3/4	3/4	3/4	3/4
7	2,186.40	7	1,822.42	7	1,460.54	7	1,098.79	7	735.44	7	371.42	7	18.32	7		7	7	7	7
1/4	2,178.82	1/4	1,814.84	1/4	1,453.12	1/4	1,091.24	1/4	727.86	1/4	363.83	1/4	13.26	1/4		1/4	1/4	1/4	1/4
1/2	2,171.24	1/2	1,807.25	1/2	1,445.70	1/2	1,083.68	1/2	720.27	1/2	356.25	1/2		1/2		1/2	1/2	1/2	1/2
3/4	2,163.65	3/4	1,799.67	3/4	1,438.28	3/4	1,076.13	3/4	712.69	3/4	348.67	3/4		3/4		3/4	3/4	3/4	3/4
8	2,156.07	8	1,792.09	8	1,430.86	8	1,068.57	8	705.11	8	341.08	8		8		8	8	8	8
1/4	2,148.49	1/4	1,784.50	1/4	1,423.44	1/4	1,061.02	1/4	697.52	1/4	333.50	1/4		1/4		1/4	1/4	1/4	1/4
1/2	2,140.91	1/2	1,776.92	1/2	1,416.02	1/2	1,053.47	1/2	689.94	1/2	325.92	1/2		1/2		1/2	1/2	1/2	1/2
3/4	2,133.32	3/4	1,769.34	3/4	1,408.59	3/4	1,045.91	3/4	682.35	3/4	318.33	3/4		3/4		3/4	3/4	3/4	3/4
9	2,125.74	9	1,761.75	9	1,401.17	9	1,038.36	9	674.77	9	310.75	9		9		9	9	9	9
1/4	2,118.16	1/4	1,754.17	1/4	1,393.75	1/4	1,030.80	1/4	667.19	1/4	303.16	1/4		1/4		1/4	1/4	1/4	1/4
1/2	2,110.57	1/2	1,746.59	1/2	1,386.25	1/2	1,023.25	1/2	659.60	1/2	295.58	1/2		1/2		1/2	1/2	1/2	1/2
3/4	2,102.99	3/4	1,739.01	3/4	1,378.75	3/4	1,015.69	3/4	652.02	3/4	288.00	3/4		3/4		3/4	3/4	3/4	3/4
10	2,095.41	10	1,731.42	10	1,371.24	10	1,008.14	10	644.43	10	280.41	10		10		10	10	10	10
1/4	2,087.83	1/4	1,723.84	1/4	1,363.74	1/4	1,000.58	1/4	636.85	1/4	272.83	1/4		1/4		1/4	1/4	1/4	1/4
1/2	2,080.24	1/2	1,716.26	1/2	1,356.16	1/2	993.03	1/2	629.27	1/2	265.24	1/2		1/2		1/2	1/2	1/2	1/2
3/4	2,072.66	3/4	1,708.67	3/4	1,348.57	3/4	985.48	3/4	621.68	3/4	257.66	3/4		3/4		3/4	3/4	3/4	3/4
11	2,065.08	11	1,701.09	11	1,340.99	11	977.92	11	614.10	11	250.08	11		11		11	11	11	11
1/4	2,057.49	1/4	1,693.51	1/4	1,333.41	1/4	970.37	1/4	606.52	1/4	242.49	1/4		1/4		1/4	1/4	1/4	1/4
1/2	2,049.91	1/2	1,685.92	1/2	1,325.82	1/2	962.81	1/2	598.93	1/2	234.91	1/2		1/2		1/2	1/2	1/2	1/2
3/4	2,042.33	3/4	1,678.34	3/4	1,318.24	3/4	955.25	3/4	591.35	3/4	227.33	3/4		3/4		3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/25/2006 CL - SW
CALCULATED: 05/25/2006 CL
PRINTED: 05/25/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2006

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



BARGE "KIRBY 28074"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

IN	0 FT.	1/4	1 FT.	1/4	2 FT.	1/4	3 FT.	1/4	4 FT.	1/4	5 FT.	1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
0	0	0	0	0	0	0	0	0	4,212.63	0	3,951.74	0	3,676.94	0	3,395.92	0	3,034.35	0	2,670.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,462.31	1/4	4,207.34	1/4	3,946.12	1/4	3,671.11	1/4	3,389.21	1/4	3,026.78	1/4	2,663.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,457.58	1/2	4,202.04	1/2	3,940.51	1/2	3,665.27	1/2	3,382.49	1/2	3,019.20	1/2	2,655.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,452.85	3/4	4,196.75	3/4	3,934.90	3/4	3,659.44	3/4	3,375.77	3/4	3,011.62	3/4	2,647.91
1	1	1	1	1	1	1	4,447.81	1	4,191.44	1	3,929.26	1	3,653.60	1	3,368.18	1	3,004.04	1	2,640.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,442.77	1/4	4,186.13	1/4	3,923.63	1/4	3,647.76	1/4	3,360.58	1/4	2,996.47	1/4	2,632.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,437.73	1/2	4,180.82	1/2	3,917.99	1/2	3,641.93	1/2	3,352.98	1/2	2,988.89	1/2	2,625.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,432.69	3/4	4,175.50	3/4	3,912.36	3/4	3,636.09	3/4	3,345.38	3/4	2,981.31	3/4	2,617.60
2	2	2	2	2	2	2	4,427.01	2	4,170.17	2	3,906.70	2	3,630.26	2	3,337.79	2	2,973.74	2	2,610.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,421.34	1/4	4,164.84	1/4	3,901.05	1/4	3,624.42	1/4	3,330.19	1/4	2,966.16	1/4	2,602.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,415.67	1/2	4,159.51	1/2	3,895.40	1/2	3,618.58	1/2	3,322.59	1/2	2,958.58	1/2	2,594.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,409.99	3/4	4,154.18	3/4	3,889.74	3/4	3,612.75	3/4	3,314.99	3/4	2,951.00	3/4	2,587.29
3	3	3	3	3	3	3	4,404.24	3	4,148.83	3	3,884.07	3	3,606.91	3	3,307.40	3	2,943.43	3	2,579.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,398.49	1/4	4,143.48	1/4	3,878.40	1/4	3,601.07	1/4	3,299.80	1/4	2,935.85	1/4	2,572.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,392.74	1/2	4,138.13	1/2	3,872.72	1/2	3,595.24	1/2	3,292.20	1/2	2,928.27	1/2	2,564.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,386.99	3/4	4,132.78	3/4	3,867.05	3/4	3,589.40	3/4	3,284.60	3/4	2,920.69	3/4	2,556.98
4	4	4	4	4	4	4	4,381.38	4	4,127.41	4	3,861.36	4	3,583.57	4	3,277.01	4	2,913.12	4	2,549.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,375.78	1/4	4,122.04	1/4	3,855.67	1/4	3,577.73	1/4	3,269.41	1/4	2,905.54	1/4	2,541.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,370.18	1/2	4,116.67	1/2	3,849.98	1/2	3,571.89	1/2	3,261.81	1/2	2,897.96	1/2	2,534.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,364.58	3/4	4,111.30	3/4	3,844.29	3/4	3,566.06	3/4	3,254.22	3/4	2,890.39	3/4	2,526.67
5	5	5	5	5	5	5	4,359.27	5	4,105.91	5	3,838.58	5	3,560.22	5	3,246.62	5	2,882.81	5	2,519.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,353.96	1/4	4,100.52	1/4	3,832.87	1/4	3,554.38	1/4	3,239.02	1/4	2,875.23	1/4	2,511.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,348.65	1/2	4,095.13	1/2	3,827.16	1/2	3,548.55	1/2	3,231.42	1/2	2,867.65	1/2	2,503.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,343.34	3/4	4,089.74	3/4	3,821.45	3/4	3,542.71	3/4	3,223.83	3/4	2,860.08	3/4	2,496.37
6	6	6	6	6	6	6	4,338.16	6	4,084.33	6	3,815.72	6	3,536.87	6	3,216.24	6	2,852.50	6	2,488.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,332.99	1/4	4,078.92	1/4	3,810.00	1/4	3,531.04	1/4	3,208.65	1/4	2,844.92	1/4	2,481.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,327.81	1/2	4,073.51	1/2	3,804.27	1/2	3,525.20	1/2	3,201.06	1/2	2,837.34	1/2	2,473.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,322.63	3/4	4,068.10	3/4	3,798.54	3/4	3,519.37	3/4	3,193.48	3/4	2,829.77	3/4	2,466.06
7	7	7	7	7	7	7	4,317.44	7	4,062.65	7	3,792.79	7	3,513.53	7	3,185.90	7	2,822.19	7	2,458.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,312.24	1/4	4,057.20	1/4	3,787.04	1/4	3,507.69	1/4	3,178.32	1/4	2,814.61	1/4	2,450.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,307.05	1/2	4,051.75	1/2	3,781.29	1/2	3,501.86	1/2	3,170.75	1/2	2,807.03	1/2	2,443.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,301.85	3/4	4,046.30	3/4	3,775.54	3/4	3,496.02	3/4	3,163.17	3/4	2,799.46	3/4	2,435.75
8	8	8	8	8	8	8	4,296.64	8	4,040.78	8	3,769.77	8	3,490.18	8	3,155.59	8	2,791.88	8	2,428.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,291.42	1/4	4,035.27	1/4	3,764.00	1/4	3,484.35	1/4	3,148.01	1/4	2,784.30	1/4	2,420.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,286.21	1/2	4,029.76	1/2	3,758.23	1/2	3,478.51	1/2	3,140.44	1/2	2,776.73	1/2	2,413.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,280.99	3/4	4,024.24	3/4	3,752.47	3/4	3,472.68	3/4	3,132.86	3/4	2,769.15	3/4	2,405.44
9	9	9	9	9	9	9	4,275.76	9	4,018.69	9	3,746.68	9	3,466.84	9	3,125.28	9	2,761.57	9	2,397.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,270.52	1/4	4,013.14	1/4	3,740.89	1/4	3,461.00	1/4	3,117.70	1/4	2,753.99	1/4	2,390.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,265.29	1/2	4,007.58	1/2	3,735.10	1/2	3,455.17	1/2	3,110.13	1/2	2,746.42	1/2	2,382.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,260.05	3/4	4,002.03	3/4	3,729.31	3/4	3,449.33	3/4	3,102.55	3/4	2,738.84	3/4	2,375.13
10	10	10	10	10	10	10	4,254.79	10	3,996.45	10	3,723.50	10	3,443.49	10	3,094.97	10	2,731.26	10	2,367.55
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,249.54	1/4	3,990.88	1/4	3,717.69	1/4	3,437.66	1/4	3,087.40	1/4	2,723.68	1/4	2,359.97
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,244.28	1/2	3,985.30	1/2	3,711.88	1/2	3,431.82	1/2	3,079.82	1/2	2,716.11	1/2	2,352.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,239.03	3/4	3,979.73	3/4	3,706.08	3/4	3,425.99	3/4	3,072.24	3/4	2,708.53	3/4	2,344.82
11	11	11	11	11	11	11	4,233.75	11	3,974.13	11	3,700.25	11	3,420.15	11	3,064.66	11	2,700.95	11	2,337.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,228.48	1/4	3,968.54	1/4	3,694.42	1/4	3,414.31	1/4	3,057.09	1/4	2,693.38	1/4	2,329.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,223.20	1/2	3,962.95	1/2	3,688.60	1/2	3,408.48	1/2	3,049.51	1/2	2,685.80	1/2	2,322.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,217.93	3/4	3,957.35	3/4	3,682.77	3/4	3,402.64	3/4	3,041.93	3/4	2,678.22	3/4	2,314.51

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 12'-09" OFF CENTERLINE AND 52'-01" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28074"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

N	10 FT.	N	11 FT.	N	12 FT.	N	13 FT.	N	14 FT.	N	15 FT.	N	16 FT.	N	17 FT.	N	18 FT.	N	19 FT.
0	2,306.93	0	1,943.22	0	1,579.57	0	1,220.39	0	865.79	0	509.00	0	144.60	0	0	0	0	0	0
1/4	2,299.36	1/4	1,935.64	1/4	1,572.02	1/4	1,212.83	1/4	858.43	1/4	501.40	1/4	137.32	1/4		1/4		1/4	
1/2	2,291.78	1/2	1,928.07	1/2	1,564.46	1/2	1,205.26	1/2	851.07	1/2	493.80	1/2	130.03	1/2		1/2		1/2	
3/4	2,284.20	3/4	1,920.49	3/4	1,556.91	3/4	1,197.70	3/4	843.71	3/4	486.20	3/4	122.75	3/4		3/4		3/4	
1	2,276.62	1	1,912.91	1	1,549.36	1	1,190.14	1	836.33	1	478.61	1	116.42	1		1		1	
1/4	2,269.05	1/4	1,905.33	1/4	1,541.80	1/4	1,182.58	1/4	828.96	1/4	471.01	1/4	110.09	1/4		1/4		1/4	
1/2	2,261.47	1/2	1,897.76	1/2	1,534.25	1/2	1,175.01	1/2	821.58	1/2	463.41	1/2	103.76	1/2		1/2		1/2	
3/4	2,253.89	3/4	1,890.18	3/4	1,526.69	3/4	1,167.45	3/4	814.21	3/4	455.81	3/4	97.43	3/4		3/4		3/4	
2	2,246.31	2	1,882.60	2	1,519.14	2	1,160.00	2	806.82	2	448.21	2	92.37	2		2		2	
1/4	2,238.74	1/4	1,875.02	1/4	1,511.59	1/4	1,152.54	1/4	799.43	1/4	440.62	1/4	87.31	1/4		1/4		1/4	
1/2	2,231.16	1/2	1,867.45	1/2	1,504.03	1/2	1,145.08	1/2	792.05	1/2	433.02	1/2	82.25	1/2		1/2		1/2	
3/4	2,223.58	3/4	1,859.87	3/4	1,496.48	3/4	1,137.62	3/4	784.66	3/4	425.42	3/4	77.19	3/4		3/4		3/4	
3	2,216.01	3	1,852.29	3	1,488.92	3	1,130.28	3	777.27	3	417.82	3	73.41	3		3		3	
1/4	2,208.43	1/4	1,844.71	1/4	1,481.37	1/4	1,122.93	1/4	769.88	1/4	410.22	1/4	69.63	1/4		1/4		1/4	
1/2	2,200.85	1/2	1,837.14	1/2	1,473.82	1/2	1,115.58	1/2	762.50	1/2	402.62	1/2	65.85	1/2		1/2		1/2	
3/4	2,193.27	3/4	1,829.56	3/4	1,466.26	3/4	1,108.23	3/4	755.11	3/4	395.03	3/4	62.07	3/4		3/4		3/4	
4	2,185.70	4	1,821.98	4	1,458.79	4	1,100.89	4	747.72	4	387.43	4	59.57	4		4		4	
1/4	2,178.12	1/4	1,814.40	1/4	1,451.32	1/4	1,093.55	1/4	740.33	1/4	379.83	1/4	57.07	1/4		1/4		1/4	
1/2	2,170.54	1/2	1,806.83	1/2	1,443.84	1/2	1,086.21	1/2	732.95	1/2	372.23	1/2	54.58	1/2		1/2		1/2	
3/4	2,162.96	3/4	1,799.25	3/4	1,436.37	3/4	1,078.86	3/4	725.56	3/4	364.63	3/4	52.08	3/4		3/4		3/4	
5	2,155.39	5	1,791.67	5	1,428.97	5	1,071.52	5	718.17	5	357.03	5	50.88	5		5		5	
1/4	2,147.81	1/4	1,784.09	1/4	1,421.56	1/4	1,064.18	1/4	710.78	1/4	349.44	1/4	49.68	1/4		1/4		1/4	
1/2	2,140.23	1/2	1,776.52	1/2	1,414.16	1/2	1,056.84	1/2	703.40	1/2	341.84	1/2	48.48	1/2		1/2		1/2	
3/4	2,132.66	3/4	1,768.94	3/4	1,406.75	3/4	1,049.50	3/4	696.01	3/4	334.24	3/4	47.29	3/4		3/4		3/4	
6	2,125.08	6	1,761.36	6	1,399.34	6	1,042.16	6	688.62	6	326.64	6		6		6		6	
1/4	2,117.50	1/4	1,753.78	1/4	1,391.92	1/4	1,034.82	1/4	681.23	1/4	319.04	1/4		1/4		1/4		1/4	
1/2	2,109.92	1/2	1,746.21	1/2	1,384.51	1/2	1,027.48	1/2	673.85	1/2	311.44	1/2		1/2		1/2		1/2	
3/4	2,102.35	3/4	1,738.63	3/4	1,377.09	3/4	1,020.14	3/4	666.46	3/4	303.85	3/4		3/4		3/4		3/4	
7	2,094.77	7	1,731.05	7	1,369.67	7	1,012.80	7	659.07	7	296.25	7		7		7		7	
1/4	2,087.19	1/4	1,723.47	1/4	1,362.26	1/4	1,005.46	1/4	651.68	1/4	288.65	1/4		1/4		1/4		1/4	
1/2	2,079.61	1/2	1,715.90	1/2	1,354.84	1/2	998.12	1/2	644.30	1/2	281.05	1/2		1/2		1/2		1/2	
3/4	2,072.04	3/4	1,708.32	3/4	1,347.42	3/4	990.78	3/4	636.91	3/4	273.45	3/4		3/4		3/4		3/4	
8	2,064.46	8	1,700.74	8	1,340.01	8	983.44	8	629.52	8	265.85	8		8		8		8	
1/4	2,056.88	1/4	1,693.16	1/4	1,332.59	1/4	976.10	1/4	622.13	1/4	258.26	1/4		1/4		1/4		1/4	
1/2	2,049.30	1/2	1,685.59	1/2	1,325.17	1/2	968.76	1/2	614.75	1/2	250.66	1/2		1/2		1/2		1/2	
3/4	2,041.73	3/4	1,678.01	3/4	1,317.76	3/4	961.42	3/4	607.36	3/4	243.06	3/4		3/4		3/4		3/4	
9	2,034.15	9	1,670.43	9	1,310.35	9	954.07	9	599.86	9	235.46	9		9		9		9	
1/4	2,026.57	1/4	1,662.85	1/4	1,302.94	1/4	946.72	1/4	592.37	1/4	227.86	1/4		1/4		1/4		1/4	
1/2	2,019.00	1/2	1,655.28	1/2	1,295.53	1/2	939.37	1/2	584.88	1/2	220.26	1/2		1/2		1/2		1/2	
3/4	2,011.42	3/4	1,647.70	3/4	1,288.12	3/4	932.02	3/4	577.38	3/4	212.67	3/4		3/4		3/4		3/4	
10	2,003.84	10	1,640.12	10	1,280.64	10	924.66	10	569.79	10	205.07	10		10		10		10	
1/4	1,996.26	1/4	1,632.54	1/4	1,273.16	1/4	917.30	1/4	562.19	1/4	197.47	1/4		1/4		1/4		1/4	
1/2	1,988.69	1/2	1,624.97	1/2	1,265.68	1/2	909.94	1/2	554.59	1/2	189.87	1/2		1/2		1/2		1/2	
3/4	1,981.11	3/4	1,617.39	3/4	1,258.20	3/4	902.58	3/4	546.99	3/4	182.27	3/4		3/4		3/4		3/4	
11	1,973.53	11	1,609.82	11	1,250.64	11	895.23	11	539.39	11	174.67	11		11		11		11	
1/4	1,965.95	1/4	1,602.26	1/4	1,243.07	1/4	887.87	1/4	531.79	1/4	167.08	1/4		1/4		1/4		1/4	
1/2	1,958.38	1/2	1,594.69	1/2	1,235.51	1/2	880.51	1/2	524.20	1/2	159.48	1/2		1/2		1/2		1/2	
3/4	1,950.80	3/4	1,587.13	3/4	1,227.95	3/4	873.15	3/4	516.60	3/4	151.88	3/4		3/4		3/4		3/4	

STRAPPED: 05/25/2006 CL - SW
CALCULATED: 05/25/2006 CL
PRINTED: 05/25/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2006

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 28074"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE 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.	
N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I
0	0	0	0	0	0	0	0	0	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	1/4	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	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	3/4	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	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	1/4	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	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	3/4	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	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	1/4	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	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	3/4	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	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	1/4	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	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	3/4	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	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	1/4	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	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	3/4	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	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	1/4	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	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	3/4	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	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	1/4	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	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	3/4	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	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	1/4	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	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	3/4	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	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	1/4	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	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	3/4	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	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	1/4	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	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	3/4	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	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	1/4	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	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	3/4	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	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	1/4	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	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	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

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 52'-01" 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 28074"

3 STBD
ULLAGE TABLE

GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

N	10 FT.	N	11 FT.	N	12 FT.	N	13 FT.	N	14 FT.	N	15 FT.	N	16 FT.	N	17 FT.	N	18 FT.	N	19 FT.
0	2,304.64	0	1,939.97	0	1,575.29	0	1,214.49	0	850.86	0	486.20	0	122.75	0		0			
1/4	2,297.05	1/4	1,932.37	1/4	1,567.69	1/4	1,206.89	1/4	843.28	1/4	478.61	1/4	116.42	1/4		1/4			
1/2	2,289.45	1/2	1,924.77	1/2	1,560.09	1/2	1,199.29	1/2	835.69	1/2	471.01	1/2	110.09	1/2		1/2			
3/4	2,281.85	3/4	1,917.18	3/4	1,552.50	3/4	1,191.69	3/4	828.10	3/4	463.41	3/4	103.76	3/4		3/4			
1	2,274.25	1	1,909.58	1	1,544.90	1	1,184.09	1	820.52	1	455.81	1	97.43	1		1			
1 1/4	2,266.66	1 1/4	1,901.98	1 1/4	1,537.30	1 1/4	1,176.50	1 1/4	812.92	1 1/4	448.21	1 1/4	92.37	1 1/4		1 1/4			
1 1/2	2,259.06	1 1/2	1,894.38	1 1/2	1,529.70	1 1/2	1,168.90	1 1/2	805.32	1 1/2	440.62	1 1/2	87.31	1 1/2		1 1/2			
3/4	2,251.46	3/4	1,886.79	3/4	1,522.11	3/4	1,161.30	3/4	797.73	3/4	433.02	3/4	82.25	3/4		3/4			
2	2,243.87	2	1,879.19	2	1,514.51	2	1,153.70	2	790.13	2	425.42	2	77.19	2		2			
2 1/4	2,236.27	2 1/4	1,871.59	2 1/4	1,506.91	2 1/4	1,146.12	2 1/4	782.53	2 1/4	417.82	2 1/4	73.41	2 1/4		2 1/4			
1 1/2	2,228.67	1 1/2	1,863.99	1 1/2	1,499.31	1 1/2	1,138.53	1 1/2	774.93	1 1/2	410.22	1 1/2	69.63	1 1/2		1 1/2			
3/4	2,221.07	3/4	1,856.40	3/4	1,491.72	3/4	1,130.94	3/4	767.33	3/4	402.62	3/4	65.85	3/4		3/4			
3	2,213.48	3	1,848.80	3	1,484.12	3	1,123.36	3	759.74	3	395.03	3	62.07	3		3			
1 1/4	2,205.88	1 1/4	1,841.20	1 1/4	1,476.60	1 1/4	1,115.79	1 1/4	752.14	1 1/4	387.43	1 1/4	59.57	1 1/4		1 1/4			
1 1/2	2,198.28	1 1/2	1,833.60	1 1/2	1,469.09	1 1/2	1,108.22	1 1/2	744.54	1 1/2	379.83	1 1/2	57.07	1 1/2		1 1/2			
3/4	2,190.68	3/4	1,826.01	3/4	1,461.57	3/4	1,100.65	3/4	736.94	3/4	372.23	3/4	54.58	3/4		3/4			
4	2,183.09	4	1,818.41	4	1,454.05	4	1,093.08	4	729.34	4	364.63	4	52.08	4		4			
1 1/4	2,175.49	1 1/4	1,810.81	1 1/4	1,446.62	1 1/4	1,085.51	1 1/4	721.75	1 1/4	357.03	1 1/4	50.88	1 1/4		1 1/4			
1 1/2	2,167.89	1 1/2	1,803.21	1 1/2	1,439.18	1 1/2	1,077.94	1 1/2	714.15	1 1/2	349.44	1 1/2	49.68	1 1/2		1 1/2			
3/4	2,160.29	3/4	1,795.62	3/4	1,431.75	3/4	1,070.37	3/4	706.55	3/4	341.84	3/4	48.48	3/4		3/4			
5	2,152.70	5	1,788.02	5	1,424.31	5	1,062.80	5	698.95	5	334.24	5	47.29	5		5			
1 1/4	2,145.10	1 1/4	1,780.42	1 1/4	1,416.88	1 1/4	1,055.23	1 1/4	691.36	1 1/4	326.64	1 1/4		1 1/4		1 1/4			
1 1/2	2,137.50	1 1/2	1,772.82	1 1/2	1,409.44	1 1/2	1,047.66	1 1/2	683.76	1 1/2	319.04	1 1/2		1 1/2		1 1/2			
3/4	2,129.91	3/4	1,765.23	3/4	1,402.01	3/4	1,040.09	3/4	676.16	3/4	311.44	3/4		3/4		3/4			
6	2,122.31	6	1,757.63	6	1,394.57	6	1,032.52	6	668.56	6	303.85	6		6		6			
1 1/4	2,114.71	1 1/4	1,750.03	1 1/4	1,387.13	1 1/4	1,024.96	1 1/4	660.96	1 1/4	296.25	1 1/4		1 1/4		1 1/4			
1 1/2	2,107.11	1 1/2	1,742.43	1 1/2	1,379.70	1 1/2	1,017.39	1 1/2	653.37	1 1/2	288.65	1 1/2		1 1/2		1 1/2			
3/4	2,099.52	3/4	1,734.84	3/4	1,372.26	3/4	1,009.82	3/4	645.77	3/4	281.05	3/4		3/4		3/4			
7	2,091.92	7	1,727.24	7	1,364.83	7	1,002.25	7	638.17	7	273.45	7		7		7			
1 1/4	2,084.32	1 1/4	1,719.64	1 1/4	1,357.39	1 1/4	994.68	1 1/4	630.57	1 1/4	265.85	1 1/4		1 1/4		1 1/4			
1 1/2	2,076.72	1 1/2	1,712.04	1 1/2	1,349.96	1 1/2	987.11	1 1/2	622.97	1 1/2	258.26	1 1/2		1 1/2		1 1/2			
3/4	2,069.13	3/4	1,704.45	3/4	1,342.52	3/4	979.54	3/4	615.38	3/4	250.66	3/4		3/4		3/4			
8	2,061.53	8	1,696.85	8	1,335.09	8	971.97	8	607.78	8	243.06	8		8		8			
1 1/4	2,053.93	1 1/4	1,689.25	1 1/4	1,327.65	1 1/4	964.40	1 1/4	600.18	1 1/4	235.46	1 1/4		1 1/4		1 1/4			
1 1/2	2,046.34	1 1/2	1,681.65	1 1/2	1,320.21	1 1/2	956.83	1 1/2	592.58	1 1/2	227.86	1 1/2		1 1/2		1 1/2			
3/4	2,038.74	3/4	1,674.06	3/4	1,312.78	3/4	949.27	3/4	584.98	3/4	220.26	3/4		3/4		3/4			
9	2,031.14	9	1,666.46	9	1,305.34	9	941.70	9	577.38	9	212.67	9		9		9			
1 1/4	2,023.54	1 1/4	1,658.86	1 1/4	1,297.82	1 1/4	934.13	1 1/4	569.79	1 1/4	205.07	1 1/4		1 1/4		1 1/4			
1 1/2	2,015.95	1 1/2	1,651.26	1 1/2	1,290.31	1 1/2	926.56	1 1/2	562.19	1 1/2	197.47	1 1/2		1 1/2		1 1/2			
3/4	2,008.35	3/4	1,643.67	3/4	1,282.79	3/4	918.99	3/4	554.59	3/4	189.87	3/4		3/4		3/4			
10	2,000.75	10	1,636.07	10	1,275.27	10	911.42	10	546.99	10	182.27	10		10		10			
1 1/4	1,993.15	1 1/4	1,628.47	1 1/4	1,267.67	1 1/4	903.85	1 1/4	539.39	1 1/4	174.67	1 1/4		1 1/4		1 1/4			
1 1/2	1,985.56	1 1/2	1,620.87	1 1/2	1,260.08	1 1/2	896.28	1 1/2	531.79	1 1/2	167.08	1 1/2		1 1/2		1 1/2			
3/4	1,977.96	3/4	1,613.28	3/4	1,252.48	3/4	888.71	3/4	524.20	3/4	159.48	3/4		3/4		3/4			
11	1,970.36	11	1,605.68	11	1,244.88	11	881.14	11	516.60	11	151.88	11		11		11			
1 1/4	1,962.76	1 1/4	1,598.08	1 1/4	1,237.28	1 1/4	873.57	1 1/4	509.00	1 1/4	144.60	1 1/4		1 1/4		1 1/4			
1 1/2	1,955.17	1 1/2	1,590.48	1 1/2	1,229.68	1 1/2	866.00	1 1/2	501.40	1 1/2	137.32	1 1/2		1 1/2		1 1/2			
3/4	1,947.57	3/4	1,582.89	3/4	1,222.09	3/4	858.43	3/4	493.80	3/4	130.03	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/25/2006 CL - SW
CALCULATED: 05/25/2006 CL
PRINTED: 05/25/2006 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2006

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