



BARGE "KIRBY 28064"

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	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-3/4	- 02-3/4	03-1/4	- 03-1/4
1 STBD	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-3/4	- 02-3/4	03-1/4	- 03-1/4
2 PORT	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-5/8	- 02-5/8	03-1/4	- 03-1/4
2 STBD	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-5/8	- 02-5/8	03-1/4	- 03-1/4
3 PORT	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-3/4	- 02-3/4	03-1/4	- 03-1/4
3 STBD	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-3/4	- 02-3/4	03-1/4	- 03-1/4

(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 - 01-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-10 7/8"

LENGTH BETWEEN DRAFT MARKS: 241'-06"

August 16, 2004

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

<http://www.pmacorp.net>

True Accuracy



BARGE "KIRBY 28064"

1 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 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	4,510.89	0	4,178.85	0	3,823.06	0	3,457.28	0	3,091.50	0	2,725.72		
1/4		1/4		1/4		1/4	4,829.17	1/4	4,504.21	1/4	4,171.65	1/4	3,815.44	1/4	3,449.66	1/4	3,083.88	1/4	2,718.10
1/2		1/2		1/2		1/2	4,823.54	1/2	4,497.53	1/2	4,164.44	1/2	3,807.82	1/2	3,442.04	1/2	3,076.26	1/2	2,710.48
3/4		3/4		3/4		3/4	4,817.91	3/4	4,490.85	3/4	4,157.24	3/4	3,800.20	3/4	3,434.42	3/4	3,068.64	3/4	2,702.86
1		1		1		1	4,811.08	1	4,484.14	1	4,149.99	1	3,792.58	1	3,426.80	1	3,061.02	1	2,695.24
1/4		1/4		1/4		1/4	4,804.26	1/4	4,477.43	1/4	4,142.75	1/4	3,784.96	1/4	3,419.18	1/4	3,053.40	1/4	2,687.62
1/2		1/2		1/2		1/2	4,797.44	1/2	4,470.72	1/2	4,135.51	1/2	3,777.34	1/2	3,411.56	1/2	3,045.78	1/2	2,680.00
3/4		3/4		3/4		3/4	4,790.62	3/4	4,464.01	3/4	4,128.27	3/4	3,769.72	3/4	3,403.94	3/4	3,038.16	3/4	2,672.38
2		2		2		2	4,783.16	2	4,457.26	2	4,120.99	2	3,762.10	2	3,396.32	2	3,030.54	2	2,664.76
1/4		1/4		1/4		1/4	4,775.71	1/4	4,450.51	1/4	4,113.71	1/4	3,754.48	1/4	3,388.70	1/4	3,022.92	1/4	2,657.14
1/2		1/2		1/2		1/2	4,768.25	1/2	4,443.77	1/2	4,106.43	1/2	3,746.86	1/2	3,381.08	1/2	3,015.30	1/2	2,649.52
3/4		3/4		3/4		3/4	4,760.80	3/4	4,437.02	3/4	4,099.15	3/4	3,739.24	3/4	3,373.46	3/4	3,007.68	3/4	2,641.90
3		3		3		3	4,753.26	3	4,430.23	3	4,091.83	3	3,731.62	3	3,365.84	3	3,000.06	3	2,634.28
1/4		1/4		1/4		1/4	4,745.72	1/4	4,423.45	1/4	4,084.52	1/4	3,723.99	1/4	3,358.22	1/4	2,992.44	1/4	2,626.66
1/2		1/2		1/2		1/2	4,738.19	1/2	4,416.67	1/2	4,077.21	1/2	3,716.37	1/2	3,350.60	1/2	2,984.82	1/2	2,619.04
3/4		3/4		3/4		3/4	4,730.65	3/4	4,409.88	3/4	4,069.89	3/4	3,708.75	3/4	3,342.97	3/4	2,977.20	3/4	2,611.42
4		4		4		4	4,723.39	4	4,403.06	4	4,062.54	4	3,701.13	4	3,335.35	4	2,969.58	4	2,603.80
1/4		1/4		1/4		1/4	4,716.14	1/4	4,396.24	1/4	4,055.20	1/4	3,693.51	1/4	3,327.73	1/4	2,961.95	1/4	2,596.18
1/2		1/2		1/2		1/2	4,708.88	1/2	4,389.42	1/2	4,047.85	1/2	3,685.89	1/2	3,320.11	1/2	2,954.33	1/2	2,588.56
3/4		3/4		3/4		3/4	4,701.62	3/4	4,382.59	3/4	4,040.50	3/4	3,678.27	3/4	3,312.49	3/4	2,946.71	3/4	2,580.93
5		5		5		5	4,694.92	5	4,375.74	5	4,033.12	5	3,670.65	5	3,304.87	5	2,939.09	5	2,573.31
1/4		1/4		1/4		1/4	4,688.21	1/4	4,368.88	1/4	4,025.74	1/4	3,663.03	1/4	3,297.25	1/4	2,931.47	1/4	2,565.69
1/2		1/2		1/2		1/2	4,681.50	1/2	4,362.02	1/2	4,018.35	1/2	3,655.41	1/2	3,289.63	1/2	2,923.85	1/2	2,558.07
3/4		3/4		3/4		3/4	4,674.79	3/4	4,355.16	3/4	4,010.97	3/4	3,647.79	3/4	3,282.01	3/4	2,916.23	3/4	2,550.45
6		6		6		6	4,668.33	6	4,348.26	6	4,003.55	6	3,640.17	6	3,274.39	6	2,908.61	6	2,542.83
1/4		1/4		1/4		1/4	4,661.88	1/4	4,341.37	1/4	3,996.13	1/4	3,632.55	1/4	3,266.77	1/4	2,900.99	1/4	2,535.21
1/2		1/2		1/2		1/2	4,655.42	1/2	4,334.47	1/2	3,988.71	1/2	3,624.93	1/2	3,259.15	1/2	2,893.37	1/2	2,527.59
3/4		3/4		3/4		3/4	4,648.96	3/4	4,327.57	3/4	3,981.29	3/4	3,617.31	3/4	3,251.53	3/4	2,885.75	3/4	2,519.97
7		7		7		7	4,642.47	7	4,320.62	7	3,973.84	7	3,609.69	7	3,243.91	7	2,878.13	7	2,512.35
1/4		1/4		1/4		1/4	4,635.97	1/4	4,313.66	1/4	3,966.38	1/4	3,602.07	1/4	3,236.29	1/4	2,870.51	1/4	2,504.73
1/2		1/2		1/2		1/2	4,629.48	1/2	4,306.71	1/2	3,958.92	1/2	3,594.45	1/2	3,228.67	1/2	2,862.89	1/2	2,497.11
3/4		3/4		3/4		3/4	4,622.98	3/4	4,299.75	3/4	3,951.46	3/4	3,586.83	3/4	3,221.05	3/4	2,855.27	3/4	2,489.49
8		8		8		8	4,616.45	8	4,292.72	8	3,943.97	8	3,579.21	8	3,213.43	8	2,847.65	8	2,481.87
1/4		1/4		1/4		1/4	4,609.92	1/4	4,285.69	1/4	3,936.48	1/4	3,571.59	1/4	3,205.81	1/4	2,840.03	1/4	2,474.25
1/2		1/2		1/2		1/2	4,603.38	1/2	4,278.65	1/2	3,928.98	1/2	3,563.97	1/2	3,198.19	1/2	2,832.41	1/2	2,466.63
3/4		3/4		3/4		3/4	4,596.85	3/4	4,271.62	3/4	3,921.49	3/4	3,556.35	3/4	3,190.57	3/4	2,824.79	3/4	2,459.01
9		9		9		9	4,590.28	9	4,264.52	9	3,913.96	9	3,548.73	9	3,182.95	9	2,817.17	9	2,451.39
1/4		1/4		1/4		1/4	4,583.71	1/4	4,257.43	1/4	3,906.42	1/4	3,541.11	1/4	3,175.33	1/4	2,809.55	1/4	2,443.77
1/2		1/2		1/2		1/2	4,577.14	1/2	4,250.34	1/2	3,898.89	1/2	3,533.48	1/2	3,167.71	1/2	2,801.93	1/2	2,436.15
3/4		3/4		3/4		3/4	4,570.57	3/4	4,243.25	3/4	3,891.36	3/4	3,525.86	3/4	3,160.09	3/4	2,794.31	3/4	2,428.53
10		10		10		10	4,563.97	10	4,236.12	10	3,883.79	10	3,518.24	10	3,152.46	10	2,786.69	10	2,420.91
1/4		1/4		1/4		1/4	4,557.36	1/4	4,228.99	1/4	3,876.22	1/4	3,510.62	1/4	3,144.84	1/4	2,779.07	1/4	2,413.29
1/2		1/2		1/2		1/2	4,550.75	1/2	4,221.86	1/2	3,868.65	1/2	3,503.00	1/2	3,137.22	1/2	2,771.44	1/2	2,405.67
3/4		3/4		3/4		3/4	4,544.15	3/4	4,214.72	3/4	3,861.08	3/4	3,495.38	3/4	3,129.60	3/4	2,763.82	3/4	2,398.05
11		11		11		11	4,537.50	11	4,207.56	11	3,853.48	11	3,487.76	11	3,121.98	11	2,756.20	11	2,390.42
1/4		1/4		1/4		1/4	4,530.86	1/4	4,200.39	1/4	3,845.88	1/4	3,480.14	1/4	3,114.36	1/4	2,748.58	1/4	2,382.80
1/2		1/2		1/2		1/2	4,524.22	1/2	4,193.22	1/2	3,838.28	1/2	3,472.52	1/2	3,106.74	1/2	2,740.96	1/2	2,375.18
3/4		3/4		3/4		3/4	4,517.57	3/4	4,186.05	3/4	3,830.68	3/4	3,464.90	3/4	3,099.12	3/4	2,733.34	3/4	2,367.56

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API 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 OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-10" OFF CENTERLINE AND 54'-10" 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 28064"

1 PORT ULLAGE TABLE

Gauge Height 16'-07 3/4"

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

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	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	2,359.94	0	1,994.16	0	1,628.37	0	1,263.23	0	899.54	0	534.12	0	187.95	0		0		0	
1/4	2,352.32	1/4	1,986.54	1/4	1,620.75	1/4	1,255.61	1/4	891.98	1/4	526.50	1/4	181.26	1/4		1/4		1/4	
1/2	2,344.70	1/2	1,978.92	1/2	1,613.13	1/2	1,247.99	1/2	884.41	1/2	518.88	1/2	174.57	1/2		1/2		1/2	
3/4	2,337.08	3/4	1,971.30	3/4	1,605.51	3/4	1,240.37	3/4	876.85	3/4	511.26	3/4	167.88	3/4		3/4		3/4	
1	2,329.46	1	1,963.68	1	1,597.89	1	1,232.74	1	869.27	1	503.66	1	161.28	1		1		1	
1/4	2,321.84	1/4	1,956.06	1/4	1,590.27	1/4	1,225.12	1/4	861.69	1/4	496.05	1/4	154.68	1/4		1/4		1/4	
1/2	2,314.22	1/2	1,948.44	1/2	1,582.65	1/2	1,217.50	1/2	854.11	1/2	488.45	1/2	148.07	1/2		1/2		1/2	
3/4	2,306.60	3/4	1,940.82	3/4	1,575.03	3/4	1,209.88	3/4	846.53	3/4	480.85	3/4	141.47	3/4		3/4		3/4	
2	2,298.98	2	1,933.20	2	1,567.41	2	1,202.27	2	838.92	2	473.32	2	134.96	2		2		2	
1/4	2,291.36	1/4	1,925.58	1/4	1,559.78	1/4	1,194.67	1/4	831.32	1/4	465.78	1/4	128.45	1/4		1/4		1/4	
1/2	2,283.74	1/2	1,917.96	1/2	1,552.16	1/2	1,187.06	1/2	823.71	1/2	458.24	1/2	121.94	1/2		1/2		1/2	
3/4	2,276.12	3/4	1,910.34	3/4	1,544.54	3/4	1,179.45	3/4	816.10	3/4	450.71	3/4	115.43	3/4		3/4		3/4	
3	2,268.50	3	1,902.72	3	1,536.92	3	1,171.87	3	808.48	3	443.26	3	109.02	3		3		3	
1/4	2,260.88	1/4	1,895.10	1/4	1,529.30	1/4	1,164.29	1/4	800.86	1/4	435.80	1/4	102.60	1/4		1/4		1/4	
1/2	2,253.26	1/2	1,887.47	1/2	1,521.68	1/2	1,156.71	1/2	793.24	1/2	428.35	1/2	96.19	1/2		1/2		1/2	
3/4	2,245.64	3/4	1,879.85	3/4	1,514.06	3/4	1,149.13	3/4	785.62	3/4	420.90	3/4	89.78	3/4		3/4		3/4	
4	2,238.02	4	1,872.23	4	1,506.44	4	1,141.57	4	778.00	4	413.53	4	83.47	4		4		4	
1/4	2,230.40	1/4	1,864.61	1/4	1,498.82	1/4	1,134.00	1/4	770.38	1/4	406.16	1/4	77.16	1/4		1/4		1/4	
1/2	2,222.78	1/2	1,856.99	1/2	1,491.20	1/2	1,126.44	1/2	762.76	1/2	398.80	1/2	70.85	1/2		1/2		1/2	
3/4	2,215.16	3/4	1,849.37	3/4	1,483.58	3/4	1,118.87	3/4	755.13	3/4	391.43	3/4	64.54	3/4		3/4		3/4	
5	2,207.54	5	1,841.75	5	1,475.97	5	1,111.31	5	747.51	5	384.15	5	58.35	5		5		5	
1/4	2,199.91	1/4	1,834.13	1/4	1,468.36	1/4	1,103.75	1/4	739.89	1/4	376.87	1/4	52.16	1/4		1/4		1/4	
1/2	2,192.29	1/2	1,826.51	1/2	1,460.76	1/2	1,096.18	1/2	732.27	1/2	369.58	1/2	45.97	1/2		1/2		1/2	
3/4	2,184.67	3/4	1,818.89	3/4	1,453.15	3/4	1,088.62	3/4	724.65	3/4	362.30	3/4	39.78	3/4		3/4		3/4	
6	2,177.05	6	1,811.27	6	1,445.56	6	1,081.06	6	717.03	6	355.10	6	34.28	6		6		6	
1/4	2,169.43	1/4	1,803.65	1/4	1,437.96	1/4	1,073.49	1/4	709.41	1/4	347.90	1/4	28.79	1/4		1/4		1/4	
1/2	2,161.81	1/2	1,796.03	1/2	1,430.37	1/2	1,065.93	1/2	701.79	1/2	340.71	1/2	23.29	1/2		1/2		1/2	
3/4	2,154.19	3/4	1,788.41	3/4	1,422.78	3/4	1,058.37	3/4	694.17	3/4	333.51	3/4	17.80	3/4		3/4		3/4	
7	2,146.57	7	1,780.79	7	1,415.18	7	1,050.81	7	686.55	7	326.40	7	14.24	7		7		7	
1/4	2,138.95	1/4	1,773.16	1/4	1,407.59	1/4	1,043.24	1/4	678.92	1/4	319.28	1/4	10.69	1/4		1/4		1/4	
1/2	2,131.33	1/2	1,765.54	1/2	1,400.00	1/2	1,035.68	1/2	671.30	1/2	312.17	1/2	7.14	1/2		1/2		1/2	
3/4	2,123.71	3/4	1,757.92	3/4	1,392.40	3/4	1,028.12	3/4	663.68	3/4	305.06	3/4	3.58	3/4		3/4		3/4	
8	2,116.09	8	1,750.30	8	1,384.81	8	1,020.55	8	656.06	8	298.03	8		8		8		8	
1/4	2,108.47	1/4	1,742.68	1/4	1,377.22	1/4	1,012.99	1/4	648.44	1/4	291.00	1/4		1/4		1/4		1/4	
1/2	2,100.85	1/2	1,735.06	1/2	1,369.62	1/2	1,005.43	1/2	640.82	1/2	283.97	1/2		1/2		1/2		1/2	
3/4	2,093.23	3/4	1,727.44	3/4	1,362.03	3/4	997.86	3/4	633.20	3/4	276.94	3/4		3/4		3/4		3/4	
9	2,085.61	9	1,719.82	9	1,354.44	9	990.30	9	625.58	9	270.00	9		9		9		9	
1/4	2,077.99	1/4	1,712.20	1/4	1,346.84	1/4	982.74	1/4	617.96	1/4	263.06	1/4		1/4		1/4		1/4	
1/2	2,070.37	1/2	1,704.58	1/2	1,339.25	1/2	975.17	1/2	610.33	1/2	256.11	1/2		1/2		1/2		1/2	
3/4	2,062.75	3/4	1,696.96	3/4	1,331.66	3/4	967.61	3/4	602.71	3/4	249.17	3/4		3/4		3/4		3/4	
10	2,055.13	10	1,689.34	10	1,324.06	10	960.05	10	595.09	10	242.31	10		10		10		10	
1/4	2,047.51	1/4	1,681.72	1/4	1,316.47	1/4	952.49	1/4	587.47	1/4	235.45	1/4		1/4		1/4		1/4	
1/2	2,039.89	1/2	1,674.10	1/2	1,308.87	1/2	944.92	1/2	579.85	1/2	228.59	1/2		1/2		1/2		1/2	
3/4	2,032.27	3/4	1,666.47	3/4	1,301.28	3/4	937.36	3/4	572.23	3/4	221.73	3/4		3/4		3/4		3/4	
11	2,024.65	11	1,658.85	11	1,293.67	11	929.80	11	564.61	11	214.96	11		11		11		11	
1/4	2,017.03	1/4	1,651.23	1/4	1,286.07	1/4	922.23	1/4	556.98	1/4	208.18	1/4		1/4		1/4		1/4	
1/2	2,009.40	1/2	1,643.61	1/2	1,278.46	1/2	914.67	1/2	549.36	1/2	201.41	1/2		1/2		1/2		1/2	
3/4	2,001.78	3/4	1,635.99	3/4	1,270.85	3/4	907.11	3/4	541.74	3/4	194.64	3/4		3/4		3/4		3/4	

STRAPPED: 08/12/2004 CL - SW
CALCULATED: 08/16/2004 CL
PRINTED: 08/16/2004 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2004

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 28064"

1 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 1/2"

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	0	0	0	4,510.67	0	4,177.74	0	3,821.13	0	3,454.94	0	3,088.75	0	2,722.56		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,503.99	1/4	4,170.52	1/4	3,813.50	1/4	3,447.31	1/4	3,081.12	1/4	2,714.93		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,824.71	1/2	4,487.30	1/2	4,163.31	1/2	3,805.87	1/2	3,439.68	1/2	3,073.49	1/2	2,707.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,817.89	3/4	4,480.58	3/4	4,156.06	3/4	3,798.24	3/4	3,432.05	3/4	3,065.86	3/4	2,699.67
1	1	1	1	1	1	1	4,811.06	1	4,483.86	1	4,148.81	1	3,790.62	1	3,424.42	1	3,058.23	1	2,692.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,804.23	1/4	4,477.14	1/4	4,141.56	1/4	3,782.99	1/4	3,416.79	1/4	3,050.60	1/4	2,684.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,797.40	1/2	4,470.42	1/2	4,134.31	1/2	3,775.36	1/2	3,409.17	1/2	3,042.97	1/2	2,676.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,789.94	3/4	4,463.67	3/4	4,127.02	3/4	3,767.73	3/4	3,401.54	3/4	3,035.34	3/4	2,669.15
2	2	2	2	2	2	2	4,782.47	2	4,456.91	2	4,119.73	2	3,760.10	2	3,393.91	2	3,027.72	2	2,661.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,775.01	1/4	4,450.16	1/4	4,112.45	1/4	3,752.47	1/4	3,386.28	1/4	3,020.09	1/4	2,653.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,767.54	1/2	4,443.41	1/2	4,105.16	1/2	3,744.84	1/2	3,378.65	1/2	3,012.46	1/2	2,646.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,760.00	3/4	4,436.61	3/4	4,097.84	3/4	3,737.21	3/4	3,371.02	3/4	3,004.83	3/4	2,638.64
3	3	3	3	3	3	3	4,752.45	3	4,429.82	3	4,090.51	3	3,729.58	3	3,363.39	3	2,997.20	3	2,631.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,744.91	1/4	4,423.03	1/4	4,083.19	1/4	3,721.95	1/4	3,355.76	1/4	2,989.57	1/4	2,623.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,737.37	1/2	4,416.24	1/2	4,075.87	1/2	3,714.33	1/2	3,348.13	1/2	2,981.94	1/2	2,615.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,730.10	3/4	4,409.41	3/4	4,068.51	3/4	3,706.70	3/4	3,340.50	3/4	2,974.31	3/4	2,608.12
4	4	4	4	4	4	4	4,722.84	4	4,402.58	4	4,061.16	4	3,699.07	4	3,332.88	4	2,966.68	4	2,600.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,715.57	1/4	4,395.75	1/4	4,053.80	1/4	3,691.44	1/4	3,325.25	1/4	2,959.05	1/4	2,592.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,708.30	1/2	4,388.92	1/2	4,046.45	1/2	3,683.81	1/2	3,317.62	1/2	2,951.43	1/2	2,585.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,701.59	3/4	4,382.05	3/4	4,039.05	3/4	3,676.18	3/4	3,309.99	3/4	2,943.80	3/4	2,577.60
5	5	5	5	5	5	5	4,694.87	5	4,375.19	5	4,031.66	5	3,668.55	5	3,302.36	5	2,936.17	5	2,569.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,688.16	1/4	4,368.32	1/4	4,024.27	1/4	3,660.92	1/4	3,294.73	1/4	2,928.54	1/4	2,562.35
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,681.44	1/2	4,361.45	1/2	4,016.88	1/2	3,653.29	1/2	3,287.10	1/2	2,920.91	1/2	2,554.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,674.98	3/4	4,354.55	3/4	4,009.45	3/4	3,645.66	3/4	3,279.47	3/4	2,913.28	3/4	2,547.09
6	6	6	6	6	6	6	4,668.51	6	4,347.65	6	4,002.03	6	3,638.04	6	3,271.84	6	2,905.65	6	2,539.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,662.05	1/4	4,340.74	1/4	3,994.60	1/4	3,630.41	1/4	3,264.21	1/4	2,898.02	1/4	2,531.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,655.58	1/2	4,333.84	1/2	3,987.17	1/2	3,622.78	1/2	3,256.59	1/2	2,890.39	1/2	2,524.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,649.08	3/4	4,326.88	3/4	3,979.70	3/4	3,615.15	3/4	3,248.96	3/4	2,882.76	3/4	2,516.57
7	7	7	7	7	7	7	4,642.58	7	4,319.91	7	3,972.24	7	3,607.52	7	3,241.33	7	2,875.14	7	2,508.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,636.08	1/4	4,312.95	1/4	3,964.77	1/4	3,599.89	1/4	3,233.70	1/4	2,867.51	1/4	2,501.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,629.58	1/2	4,305.99	1/2	3,957.31	1/2	3,592.26	1/2	3,226.07	1/2	2,859.88	1/2	2,493.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,623.04	3/4	4,298.95	3/4	3,949.81	3/4	3,584.63	3/4	3,218.44	3/4	2,852.25	3/4	2,486.06
8	8	8	8	8	8	8	4,616.50	8	4,291.90	8	3,942.30	8	3,577.00	8	3,210.81	8	2,844.62	8	2,478.43
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,609.96	1/4	4,284.86	1/4	3,934.80	1/4	3,569.37	1/4	3,203.18	1/4	2,836.99	1/4	2,470.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,603.42	1/2	4,277.82	1/2	3,927.30	1/2	3,561.75	1/2	3,195.55	1/2	2,829.36	1/2	2,463.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,596.84	3/4	4,270.72	3/4	3,919.76	3/4	3,554.12	3/4	3,187.92	3/4	2,821.73	3/4	2,455.54
9	9	9	9	9	9	9	4,590.26	9	4,263.62	9	3,912.22	9	3,546.49	9	3,180.30	9	2,814.10	9	2,447.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,583.69	1/4	4,256.52	1/4	3,904.68	1/4	3,538.86	1/4	3,172.67	1/4	2,806.47	1/4	2,440.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,577.11	1/2	4,249.42	1/2	3,897.14	1/2	3,531.23	1/2	3,165.04	1/2	2,798.85	1/2	2,432.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,570.50	3/4	4,242.28	3/4	3,889.56	3/4	3,523.60	3/4	3,157.41	3/4	2,791.22	3/4	2,425.02
10	10	10	10	10	10	10	4,563.88	10	4,235.14	10	3,881.98	10	3,515.97	10	3,149.78	10	2,783.59	10	2,417.40
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,557.27	1/4	4,228.00	1/4	3,874.40	1/4	3,508.34	1/4	3,142.15	1/4	2,775.96	1/4	2,409.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,550.65	1/2	4,220.86	1/2	3,866.83	1/2	3,500.71	1/2	3,134.52	1/2	2,768.33	1/2	2,402.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,544.00	3/4	4,213.69	3/4	3,859.22	3/4	3,493.08	3/4	3,126.89	3/4	2,760.70	3/4	2,394.51
11	11	11	11	11	11	11	4,537.35	11	4,206.51	11	3,851.61	11	3,485.46	11	3,119.26	11	2,753.07	11	2,386.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,530.70	1/4	4,199.34	1/4	3,844.00	1/4	3,477.83	1/4	3,111.63	1/4	2,745.44	1/4	2,379.25
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,524.05	1/2	4,192.16	1/2	3,836.39	1/2	3,470.20	1/2	3,104.01	1/2	2,737.81	1/2	2,371.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,517.36	3/4	4,184.95	3/4	3,828.76	3/4	3,462.57	3/4	3,096.38	3/4	2,730.18	3/4	2,363.99

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API 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 OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-10" OFF CENTERLINE AND 54'-10" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77588
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BARGE "KIRBY 28064"

1 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 1/2"

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	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	2,356.36	0	1,990.17	0	1,623.97	0	1,258.41	0	893.21	0	527.08	0	181.46	0		0		0	
1/4	2,348.73	1/4	1,982.54	1/4	1,616.34	1/4	1,250.78	1/4	885.60	1/4	519.45	1/4	174.76	1/4		1/4		1/4	
1/2	2,341.11	1/2	1,974.91	1/2	1,608.71	1/2	1,243.15	1/2	878.00	1/2	511.82	1/2	168.06	1/2		1/2		1/2	
3/4	2,333.48	3/4	1,967.28	3/4	1,601.08	3/4	1,235.52	3/4	870.38	3/4	504.22	3/4	161.45	3/4		3/4		3/4	
1	2,325.85	1	1,959.65	1	1,593.45	1	1,227.89	1	862.77	1	496.61	1	154.84	1		1		1	
1/4	2,318.22	1/4	1,952.02	1/4	1,585.82	1/4	1,220.26	1/4	855.15	1/4	489.00	1/4	148.24	1/4		1/4		1/4	
1/2	2,310.59	1/2	1,944.40	1/2	1,578.19	1/2	1,212.63	1/2	847.53	1/2	481.39	1/2	141.63	1/2		1/2		1/2	
3/4	2,302.96	3/4	1,936.77	3/4	1,570.56	3/4	1,205.00	3/4	839.90	3/4	473.84	3/4	135.11	3/4		3/4		3/4	
2	2,295.33	2	1,929.14	2	1,562.93	2	1,197.37	2	832.27	2	466.30	2	128.59	2		2		2	
1/4	2,287.70	1/4	1,921.51	1/4	1,555.30	1/4	1,189.74	1/4	824.64	1/4	458.75	1/4	122.07	1/4		1/4		1/4	
1/2	2,280.07	1/2	1,913.88	1/2	1,547.67	1/2	1,182.11	1/2	817.01	1/2	451.21	1/2	115.56	1/2		1/2		1/2	
3/4	2,272.44	3/4	1,906.25	3/4	1,540.04	3/4	1,174.49	3/4	809.38	3/4	443.75	3/4	109.13	3/4		3/4		3/4	
3	2,264.82	3	1,898.62	3	1,532.41	3	1,166.88	3	801.76	3	436.29	3	102.71	3		3		3	
1/4	2,257.19	1/4	1,890.99	1/4	1,524.78	1/4	1,159.26	1/4	794.13	1/4	428.83	1/4	96.29	1/4		1/4		1/4	
1/2	2,249.56	1/2	1,883.36	1/2	1,517.15	1/2	1,151.64	1/2	786.50	1/2	421.37	1/2	89.87	1/2		1/2		1/2	
3/4	2,241.93	3/4	1,875.73	3/4	1,509.53	3/4	1,144.04	3/4	778.87	3/4	413.99	3/4	83.56	3/4		3/4		3/4	
4	2,234.30	4	1,868.10	4	1,501.90	4	1,136.44	4	771.24	4	406.62	4	77.24	4		4		4	
1/4	2,226.67	1/4	1,860.47	1/4	1,494.27	1/4	1,128.83	1/4	763.61	1/4	399.24	1/4	70.93	1/4		1/4		1/4	
1/2	2,219.04	1/2	1,852.84	1/2	1,486.64	1/2	1,121.23	1/2	755.98	1/2	391.86	1/2	64.61	1/2		1/2		1/2	
3/4	2,211.41	3/4	1,845.21	3/4	1,479.02	3/4	1,113.63	3/4	748.35	3/4	384.57	3/4	58.41	3/4		3/4		3/4	
5	2,203.78	5	1,837.59	5	1,471.41	5	1,106.03	5	740.72	5	377.28	5	52.22	5		5		5	
1/4	2,196.15	1/4	1,829.96	1/4	1,463.79	1/4	1,098.43	1/4	733.09	1/4	369.99	1/4	46.02	1/4		1/4		1/4	
1/2	2,188.53	1/2	1,822.33	1/2	1,456.18	1/2	1,090.83	1/2	725.46	1/2	362.70	1/2	39.82	1/2		1/2		1/2	
3/4	2,180.90	3/4	1,814.70	3/4	1,448.57	3/4	1,083.23	3/4	717.83	3/4	355.50	3/4	34.32	3/4		3/4		3/4	
6	2,173.27	6	1,807.07	6	1,440.97	6	1,075.63	6	710.20	6	348.29	6	28.82	6		6		6	
1/4	2,165.64	1/4	1,799.44	1/4	1,433.37	1/4	1,068.03	1/4	702.57	1/4	341.08	1/4	23.32	1/4		1/4		1/4	
1/2	2,158.01	1/2	1,791.81	1/2	1,425.77	1/2	1,060.43	1/2	694.94	1/2	333.88	1/2	17.81	1/2		1/2		1/2	
3/4	2,150.38	3/4	1,784.18	3/4	1,418.17	3/4	1,052.83	3/4	687.31	3/4	326.76	3/4	14.26	3/4		3/4		3/4	
7	2,142.75	7	1,776.55	7	1,410.57	7	1,045.23	7	679.68	7	319.64	7	10.70	7		7		7	
1/4	2,135.12	1/4	1,768.92	1/4	1,402.96	1/4	1,037.62	1/4	672.05	1/4	312.51	1/4	7.14	1/4		1/4		1/4	
1/2	2,127.49	1/2	1,761.29	1/2	1,395.36	1/2	1,030.02	1/2	664.42	1/2	305.39	1/2	3.58	1/2		1/2		1/2	
3/4	2,119.86	3/4	1,753.66	3/4	1,387.76	3/4	1,022.42	3/4	656.79	3/4	298.36	3/4		3/4		3/4		3/4	
8	2,112.24	8	1,746.03	8	1,380.16	8	1,014.82	8	649.16	8	291.32	8		8		8		8	
1/4	2,104.61	1/4	1,738.40	1/4	1,372.56	1/4	1,007.22	1/4	641.53	1/4	284.28	1/4		1/4		1/4		1/4	
1/2	2,096.98	1/2	1,730.78	1/2	1,364.95	1/2	999.62	1/2	633.90	1/2	277.25	1/2		1/2		1/2		1/2	
3/4	2,089.35	3/4	1,723.15	3/4	1,357.35	3/4	992.02	3/4	626.27	3/4	270.30	3/4		3/4		3/4		3/4	
9	2,081.72	9	1,715.52	9	1,349.75	9	984.42	9	618.64	9	263.35	9		9		9		9	
1/4	2,074.09	1/4	1,707.89	1/4	1,342.15	1/4	976.82	1/4	611.01	1/4	256.39	1/4		1/4		1/4		1/4	
1/2	2,066.46	1/2	1,700.26	1/2	1,334.54	1/2	969.22	1/2	603.38	1/2	249.44	1/2		1/2		1/2		1/2	
3/4	2,058.83	3/4	1,692.63	3/4	1,326.94	3/4	961.62	3/4	595.75	3/4	242.58	3/4		3/4		3/4		3/4	
10	2,051.20	10	1,685.00	10	1,319.34	10	954.02	10	588.12	10	235.71	10		10		10		10	
1/4	2,043.57	1/4	1,677.37	1/4	1,311.74	1/4	946.42	1/4	580.49	1/4	228.84	1/4		1/4		1/4		1/4	
1/2	2,035.95	1/2	1,669.74	1/2	1,304.14	1/2	938.82	1/2	572.86	1/2	221.98	1/2		1/2		1/2		1/2	
3/4	2,028.32	3/4	1,662.11	3/4	1,296.52	3/4	931.21	3/4	565.23	3/4	215.19	3/4		3/4		3/4		3/4	
11	2,020.69	11	1,654.48	11	1,288.90	11	923.61	11	557.60	11	208.41	11		11		11		11	
1/4	2,013.06	1/4	1,646.85	1/4	1,281.29	1/4	916.01	1/4	549.97	1/4	201.63	1/4		1/4		1/4		1/4	
1/2	2,005.43	1/2	1,639.22	1/2	1,273.67	1/2	908.41	1/2	542.34	1/2	194.85	1/2		1/2		1/2		1/2	
3/4	1,997.80	3/4	1,631.59	3/4	1,266.04	3/4	900.81	3/4	534.71	3/4	188.15	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2004 CL - SW
CALCULATED: 08/16/2004 CL
PRINTED: 08/16/2004 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2004

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



BARGE "KIRBY 28064"

2 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 5/8"

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	0	0	0	4,525.27	0	4,195.34	0	3,841.88	0	3,478.70	0	3,115.52	0	2,752.35		
1/4	1/4	1/4	1/4	3/8	4,839.00	1/4	4,518.64	1/4	4,188.18	1/4	3,834.31	1/4	3,471.13	1/4	3,107.96	1/4	2,744.78		
1/2	1/2	1/2	1/2	1/2	4,836.20	1/2	4,512.04	1/2	4,181.03	1/2	3,826.75	1/2	3,463.57	1/2	3,100.39	1/2	2,737.21		
3/4	3/4	3/4	3/4	3/4	4,830.02	3/4	4,505.36	3/4	4,173.86	3/4	3,819.18	3/4	3,456.00	3/4	3,092.82	3/4	2,729.65		
1	1	1	1	1	4,823.25	1	4,498.70	1	4,166.67	1	3,811.61	1	3,448.44	1	3,085.26	1	2,722.08		
1/4	1/4	1/4	1/4	1/4	4,816.47	1/4	4,492.03	1/4	4,159.48	1/4	3,804.05	1/4	3,440.87	1/4	3,077.69	1/4	2,714.51		
1/2	1/2	1/2	1/2	1/2	4,809.70	1/2	4,485.37	1/2	4,152.29	1/2	3,796.48	1/2	3,433.30	1/2	3,070.13	1/2	2,706.95		
3/4	3/4	3/4	3/4	3/4	4,802.61	3/4	4,478.69	3/4	4,145.08	3/4	3,788.91	3/4	3,425.74	3/4	3,062.56	3/4	2,699.38		
2	2	2	2	2	4,795.21	2	4,471.99	2	4,137.85	2	3,781.35	2	3,418.17	2	3,054.99	2	2,691.82		
1/4	1/4	1/4	1/4	1/4	4,787.81	1/4	4,465.29	1/4	4,130.62	1/4	3,773.78	1/4	3,410.60	1/4	3,047.43	1/4	2,684.25		
1/2	1/2	1/2	1/2	1/2	4,780.40	1/2	4,458.59	1/2	4,123.39	1/2	3,766.22	1/2	3,403.04	1/2	3,039.86	1/2	2,676.68		
3/4	3/4	3/4	3/4	3/4	4,772.96	3/4	4,451.87	3/4	4,116.15	3/4	3,758.65	3/4	3,395.47	3/4	3,032.29	3/4	2,669.12		
3	3	3	3	3	4,765.48	3	4,445.14	3	4,108.89	3	3,751.08	3	3,387.91	3	3,024.73	3	2,661.55		
1/4	1/4	1/4	1/4	1/4	4,758.00	1/4	4,438.40	1/4	4,101.62	1/4	3,743.52	1/4	3,380.34	1/4	3,017.16	1/4	2,653.98		
1/2	1/2	1/2	1/2	1/2	4,750.52	1/2	4,431.67	1/2	4,094.36	1/2	3,735.95	1/2	3,372.77	1/2	3,009.60	1/2	2,646.42		
3/4	3/4	3/4	3/4	3/4	4,743.17	3/4	4,424.91	3/4	4,087.08	3/4	3,728.39	3/4	3,365.21	3/4	3,002.03	3/4	2,638.85		
4	4	4	4	4	4,735.97	4	4,418.14	4	4,079.79	4	3,720.82	4	3,357.64	4	2,994.46	4	2,631.29		
1/4	1/4	1/4	1/4	1/4	4,728.76	1/4	4,411.37	1/4	4,072.49	1/4	3,713.25	1/4	3,350.08	1/4	2,986.90	1/4	2,623.72		
1/2	1/2	1/2	1/2	1/2	4,721.56	1/2	4,404.59	1/2	4,065.20	1/2	3,705.69	1/2	3,342.51	1/2	2,979.33	1/2	2,616.15		
3/4	3/4	3/4	3/4	3/4	4,714.63	3/4	4,397.80	3/4	4,057.88	3/4	3,698.12	3/4	3,334.94	3/4	2,971.77	3/4	2,608.59		
5	5	5	5	5	4,707.97	5	4,390.99	5	4,050.55	5	3,690.55	5	3,327.38	5	2,964.20	5	2,601.02		
1/4	1/4	1/4	1/4	1/4	4,701.30	1/4	4,384.18	1/4	4,043.22	1/4	3,682.99	1/4	3,319.81	1/4	2,956.63	1/4	2,593.46		
1/2	1/2	1/2	1/2	1/2	4,694.64	1/2	4,377.37	1/2	4,035.89	1/2	3,675.42	1/2	3,312.24	1/2	2,949.07	1/2	2,585.89		
3/4	3/4	3/4	3/4	3/4	4,688.11	3/4	4,370.55	3/4	4,028.55	3/4	3,667.86	3/4	3,304.68	3/4	2,941.50	3/4	2,578.32		
6	6	6	6	6	4,681.70	6	4,363.70	6	4,021.18	6	3,660.29	6	3,297.11	6	2,933.93	6	2,570.76		
1/4	1/4	1/4	1/4	1/4	4,675.29	1/4	4,356.85	1/4	4,013.81	1/4	3,652.72	1/4	3,289.55	1/4	2,926.37	1/4	2,563.19		
1/2	1/2	1/2	1/2	1/2	4,668.87	1/2	4,350.00	1/2	4,006.44	1/2	3,645.16	1/2	3,281.98	1/2	2,918.80	1/2	2,555.62		
3/4	3/4	3/4	3/4	3/4	4,662.44	3/4	4,343.13	3/4	3,999.06	3/4	3,637.59	3/4	3,274.41	3/4	2,911.24	3/4	2,548.06		
7	7	7	7	7	4,656.00	7	4,336.22	7	3,991.65	7	3,630.02	7	3,266.85	7	2,903.67	7	2,540.49		
1/4	1/4	1/4	1/4	1/4	4,649.55	1/4	4,329.32	1/4	3,984.25	1/4	3,622.46	1/4	3,259.28	1/4	2,896.10	1/4	2,532.93		
1/2	1/2	1/2	1/2	1/2	4,643.10	1/2	4,322.41	1/2	3,976.85	1/2	3,614.89	1/2	3,251.71	1/2	2,888.54	1/2	2,525.36		
3/4	3/4	3/4	3/4	3/4	4,636.63	3/4	4,315.47	3/4	3,969.42	3/4	3,607.33	3/4	3,244.15	3/4	2,880.97	3/4	2,517.79		
8	8	8	8	8	4,630.15	8	4,308.48	8	3,961.98	8	3,599.76	8	3,236.58	8	2,873.40	8	2,510.23		
1/4	1/4	1/4	1/4	1/4	4,623.66	1/4	4,301.50	1/4	3,954.54	1/4	3,592.19	1/4	3,229.02	1/4	2,865.84	1/4	2,502.66		
1/2	1/2	1/2	1/2	1/2	4,617.18	1/2	4,294.52	1/2	3,947.10	1/2	3,584.63	1/2	3,221.45	1/2	2,858.27	1/2	2,495.09		
3/4	3/4	3/4	3/4	3/4	4,610.67	3/4	4,287.50	3/4	3,939.64	3/4	3,577.06	3/4	3,213.88	3/4	2,850.71	3/4	2,487.53		
9	9	9	9	9	4,604.15	9	4,280.46	9	3,932.16	9	3,569.49	9	3,206.32	9	2,843.14	9	2,479.96		
1/4	1/4	1/4	1/4	1/4	4,597.63	1/4	4,273.42	1/4	3,924.69	1/4	3,561.93	1/4	3,198.75	1/4	2,835.57	1/4	2,472.40		
1/2	1/2	1/2	1/2	1/2	4,591.10	1/2	4,266.37	1/2	3,917.21	1/2	3,554.36	1/2	3,191.18	1/2	2,828.01	1/2	2,464.83		
3/4	3/4	3/4	3/4	3/4	4,584.56	3/4	4,259.31	3/4	3,909.71	3/4	3,546.80	3/4	3,183.62	3/4	2,820.44	3/4	2,457.26		
10	10	10	10	10	4,578.00	10	4,252.23	10	3,902.20	10	3,539.23	10	3,176.05	10	2,812.87	10	2,449.70		
1/4	1/4	1/4	1/4	1/4	4,571.44	1/4	4,245.15	1/4	3,894.68	1/4	3,531.66	1/4	3,168.49	1/4	2,805.31	1/4	2,442.13		
1/2	1/2	1/2	1/2	1/2	4,564.89	1/2	4,238.07	1/2	3,887.16	1/2	3,524.10	1/2	3,160.92	1/2	2,797.74	1/2	2,434.56		
3/4	3/4	3/4	3/4	3/4	4,558.31	3/4	4,230.98	3/4	3,879.63	3/4	3,516.53	3/4	3,153.35	3/4	2,790.18	3/4	2,427.00		
11	11	11	11	11	4,551.71	11	4,223.86	11	3,872.09	11	3,508.97	11	3,145.79	11	2,782.61	11	2,419.43		
1/4	1/4	1/4	1/4	1/4	4,545.11	1/4	4,216.74	1/4	3,864.54	1/4	3,501.40	1/4	3,138.22	1/4	2,775.04	1/4	2,411.87		
1/2	1/2	1/2	1/2	1/2	4,538.52	1/2	4,209.63	1/2	3,856.99	1/2	3,493.83	1/2	3,130.66	1/2	2,767.48	1/2	2,404.30		
3/4	3/4	3/4	3/4	3/4	4,531.90	3/4	4,202.49	3/4	3,849.44	3/4	3,486.27	3/4	3,123.09	3/4	2,759.91	3/4	2,396.73		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API 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 OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-10" OFF CENTERLINE AND 64'-04" FORWARD OF AFT BULKHEAD.

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





BARGE "KIRBY 28064"

2 PORT ULLAGE TABLE

GAUGE HEIGHT 16'-07 5/8"

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

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	2,389.17	0	2,025.99	0	1,662.80	0	1,303.48	0	953.17	0	593.84	0	230.61	0		0		0	
1/4	2,381.60	1/4	2,018.42	1/4	1,655.23	1/4	1,295.92	1/4	945.93	1/4	586.27	1/4	223.05	1/4		1/4		1/4	
1/2	2,374.04	1/2	2,010.86	1/2	1,647.67	1/2	1,288.35	1/2	938.69	1/2	578.70	1/2	215.48	1/2		1/2		1/2	
3/4	2,366.47	3/4	2,003.29	3/4	1,640.10	3/4	1,280.78	3/4	931.45	3/4	571.14	3/4	207.91	3/4		3/4		3/4	
1	2,358.90	1	1,995.72	1	1,632.53	1	1,273.22	1	924.19	1	563.57	1	200.35	1		1		1	
1/4	2,351.34	1/4	1,988.15	1/4	1,624.97	1/4	1,265.65	1/4	916.94	1/4	556.00	1/4	192.78	1/4		1/4		1/4	
1/2	2,343.77	1/2	1,980.59	1/2	1,617.40	1/2	1,258.08	1/2	909.69	1/2	548.43	1/2	185.22	1/2		1/2		1/2	
3/4	2,336.20	3/4	1,973.02	3/4	1,609.83	3/4	1,250.59	3/4	902.43	3/4	540.87	3/4	177.66	3/4		3/4		3/4	
2	2,328.64	2	1,965.46	2	1,602.27	2	1,243.17	2	895.16	2	533.30	2	170.10	2		2		2	
1/4	2,321.07	1/4	1,957.89	1/4	1,594.70	1/4	1,235.76	1/4	887.90	1/4	525.73	1/4	162.54	1/4		1/4		1/4	
1/2	2,313.51	1/2	1,950.32	1/2	1,587.14	1/2	1,228.34	1/2	880.63	1/2	518.17	1/2	154.99	1/2		1/2		1/2	
3/4	2,305.94	3/4	1,942.76	3/4	1,579.57	3/4	1,221.01	3/4	873.29	3/4	510.60	3/4	147.43	3/4		3/4		3/4	
3	2,298.37	3	1,935.19	3	1,572.00	3	1,213.75	3	865.87	3	503.03	3	139.89	3		3		3	
1/4	2,290.81	1/4	1,927.62	1/4	1,564.44	1/4	1,206.50	1/4	858.46	1/4	495.46	1/4	132.34	1/4		1/4		1/4	
1/2	2,283.24	1/2	1,920.06	1/2	1,556.87	1/2	1,199.25	1/2	851.04	1/2	487.90	1/2	124.80	1/2		1/2		1/2	
3/4	2,275.67	3/4	1,912.49	3/4	1,549.34	3/4	1,192.00	3/4	843.55	3/4	480.33	3/4	117.26	3/4		3/4		3/4	
4	2,268.11	4	1,904.92	4	1,541.86	4	1,184.76	4	835.98	4	472.76	4	109.74	4		4		4	
1/4	2,260.54	1/4	1,897.36	1/4	1,534.37	1/4	1,177.52	1/4	828.41	1/4	465.20	1/4	102.21	1/4		1/4		1/4	
1/2	2,252.98	1/2	1,889.79	1/2	1,526.89	1/2	1,170.28	1/2	820.85	1/2	457.63	1/2	94.68	1/2		1/2		1/2	
3/4	2,245.41	3/4	1,882.22	3/4	1,519.44	3/4	1,163.04	3/4	813.28	3/4	450.06	3/4	87.17	3/4		3/4		3/4	
5	2,237.84	5	1,874.66	5	1,512.04	5	1,155.81	5	805.71	5	442.49	5	79.68	5		5		5	
1/4	2,230.28	1/4	1,867.09	1/4	1,504.63	1/4	1,148.57	1/4	798.15	1/4	434.93	1/4	72.19	1/4		1/4		1/4	
1/2	2,222.71	1/2	1,859.53	1/2	1,497.23	1/2	1,141.33	1/2	790.58	1/2	427.36	1/2	64.70	1/2		1/2		1/2	
3/4	2,215.15	3/4	1,851.96	3/4	1,489.82	3/4	1,134.10	3/4	783.01	3/4	419.79	3/4	57.51	3/4		3/4		3/4	
6	2,207.58	6	1,844.39	6	1,482.42	6	1,126.86	6	775.45	6	412.23	6	50.62	6		6		6	
1/4	2,200.01	1/4	1,836.83	1/4	1,475.01	1/4	1,119.62	1/4	767.88	1/4	404.66	1/4	43.73	1/4		1/4		1/4	
1/2	2,192.45	1/2	1,829.26	1/2	1,467.61	1/2	1,112.39	1/2	760.31	1/2	397.09	1/2	36.85	1/2		1/2		1/2	
3/4	2,184.88	3/4	1,821.69	3/4	1,460.21	3/4	1,105.15	3/4	752.75	3/4	389.52	3/4	30.88	3/4		3/4		3/4	
7	2,177.31	7	1,814.13	7	1,452.80	7	1,097.91	7	745.18	7	381.96	7	25.84	7		7		7	
1/4	2,169.75	1/4	1,806.56	1/4	1,445.40	1/4	1,090.67	1/4	737.61	1/4	374.39	1/4	20.80	1/4		1/4		1/4	
1/2	2,162.18	1/2	1,798.99	1/2	1,437.99	1/2	1,083.44	1/2	730.05	1/2	366.82	1/2	15.76	1/2		1/2		1/2	
3/4	2,154.62	3/4	1,791.43	3/4	1,430.59	3/4	1,076.20	3/4	722.48	3/4	359.25	3/4	13.23	3/4		3/4		3/4	
8	2,147.05	8	1,783.86	8	1,423.18	8	1,068.96	8	714.91	8	351.69	8		8		8		8	
1/4	2,139.48	1/4	1,776.30	1/4	1,415.78	1/4	1,061.73	1/4	707.35	1/4	344.12	1/4		1/4		1/4		1/4	
1/2	2,131.92	1/2	1,768.73	1/2	1,408.37	1/2	1,054.49	1/2	699.78	1/2	336.55	1/2		1/2		1/2		1/2	
3/4	2,124.35	3/4	1,761.16	3/4	1,400.97	3/4	1,047.25	3/4	692.21	3/4	328.99	3/4		3/4		3/4		3/4	
9	2,116.78	9	1,753.60	9	1,393.56	9	1,040.02	9	684.65	9	321.42	9		9		9		9	
1/4	2,109.22	1/4	1,746.03	1/4	1,386.16	1/4	1,032.78	1/4	677.08	1/4	313.85	1/4		1/4		1/4		1/4	
1/2	2,101.65	1/2	1,738.46	1/2	1,378.75	1/2	1,025.54	1/2	669.51	1/2	306.28	1/2		1/2		1/2		1/2	
3/4	2,094.09	3/4	1,730.90	3/4	1,371.31	3/4	1,018.31	3/4	661.94	3/4	298.72	3/4		3/4		3/4		3/4	
10	2,086.52	10	1,723.33	10	1,363.82	10	1,011.07	10	654.38	10	291.15	10		10		10		10	
1/4	2,078.95	1/4	1,715.76	1/4	1,356.33	1/4	1,003.83	1/4	646.81	1/4	283.58	1/4		1/4		1/4		1/4	
1/2	2,071.39	1/2	1,708.20	1/2	1,348.85	1/2	996.59	1/2	639.24	1/2	276.02	1/2		1/2		1/2		1/2	
3/4	2,063.82	3/4	1,700.63	3/4	1,341.32	3/4	989.36	3/4	631.67	3/4	268.45	3/4		3/4		3/4		3/4	
11	2,056.25	11	1,693.06	11	1,333.75	11	982.12	11	624.11	11	260.88	11		11		11		11	
1/4	2,048.69	1/4	1,685.50	1/4	1,326.19	1/4	974.88	1/4	616.54	1/4	253.31	1/4		1/4		1/4		1/4	
1/2	2,041.12	1/2	1,677.93	1/2	1,318.62	1/2	967.65	1/2	608.97	1/2	245.75	1/2		1/2		1/2		1/2	
3/4	2,033.56	3/4	1,670.37	3/4	1,311.05	3/4	960.41	3/4	601.41	3/4	238.18	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2004 CL - SW
CALCULATED: 08/16/2004 CL
PRINTED: 08/16/2004 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2004

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



BARGE "KIRBY 28064"

2 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 5/8"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,544.97	0	4,214.73	0	3,860.96	0	3,497.47	0	3,133.97	0	2,770.46
1/4		1/4		1/4		1/4		1/4	4,538.33	1/4	4,207.57	1/4	3,853.39	1/4	3,489.90	1/4	3,126.40	1/4	2,762.89
1/2		1/2		1/2		1/2		1/2	4,531.69	1/2	4,200.41	1/2	3,845.82	1/2	3,482.33	1/2	3,118.82	1/2	2,755.32
3/4		3/4		3/4		3/4		3/4	4,849.99	3/4	4,525.04	3/4	4,193.24	3/4	3,838.26	3/4	3,474.75	3/4	3,111.25
1		1		1		1		1	4,843.21	1	4,518.37	1	4,186.04	1	3,830.68	1	3,467.18	1	3,103.68
1/4		1/4		1/4		1/4		1/4	4,836.43	1/4	4,511.70	1/4	4,178.84	1/4	3,823.11	1/4	3,459.61	1/4	3,096.10
1/2		1/2		1/2		1/2		1/2	4,829.65	1/2	4,505.03	1/2	4,171.64	1/2	3,815.54	1/2	3,452.03	1/2	3,088.53
3/4		3/4		3/4		3/4		3/4	4,822.66	3/4	4,498.34	3/4	4,164.43	3/4	3,807.97	3/4	3,444.46	3/4	3,080.96
2		2		2		2		2	4,815.15	2	4,491.63	2	4,157.19	2	3,800.39	2	3,436.89	2	3,073.38
1/4		1/4		1/4		1/4		1/4	4,807.74	1/4	4,484.93	1/4	4,149.96	1/4	3,792.82	1/4	3,429.32	1/4	3,065.81
1/2		1/2		1/2		1/2		1/2	4,800.33	1/2	4,478.23	1/2	4,142.73	1/2	3,785.25	1/2	3,421.74	1/2	3,058.24
3/4		3/4		3/4		3/4		3/4	4,792.88	3/4	4,471.50	3/4	4,135.47	3/4	3,777.67	3/4	3,414.17	3/4	3,050.67
3		3		3		3		3	4,785.39	3	4,464.76	3	4,128.20	3	3,770.10	3	3,406.60	3	3,043.09
1/4		1/4		1/4		1/4		1/4	4,777.90	1/4	4,458.02	1/4	4,120.94	1/4	3,762.53	1/4	3,399.02	1/4	3,035.52
1/2		1/2		1/2		1/2		1/2	4,770.41	1/2	4,451.28	1/2	4,113.67	1/2	3,754.95	1/2	3,391.45	1/2	3,027.95
3/4		3/4		3/4		3/4		3/4	4,763.06	3/4	4,444.52	3/4	4,106.38	3/4	3,747.38	3/4	3,383.88	3/4	3,020.37
4		4		4		4		4	4,755.85	4	4,437.74	4	4,099.08	4	3,739.81	4	3,376.30	4	3,012.80
1/4		1/4		1/4		1/4		1/4	4,748.64	1/4	4,430.96	1/4	4,091.78	1/4	3,732.24	1/4	3,368.73	1/4	3,005.23
1/2		1/2		1/2		1/2		1/2	4,741.43	1/2	4,424.18	1/2	4,084.48	1/2	3,724.66	1/2	3,361.16	1/2	2,997.65
3/4		3/4		3/4		3/4		3/4	4,734.49	3/4	4,417.38	3/4	4,077.16	3/4	3,717.09	3/4	3,353.59	3/4	2,990.08
5		5		5		5		5	4,727.83	5	4,410.57	5	4,069.82	5	3,709.52	5	3,346.01	5	2,982.51
1/4		1/4		1/4		1/4		1/4	4,721.16	1/4	4,403.75	1/4	4,062.48	1/4	3,701.94	1/4	3,338.44	1/4	2,974.94
1/2		1/2		1/2		1/2		1/2	4,714.49	1/2	4,396.93	1/2	4,055.15	1/2	3,694.37	1/2	3,330.87	1/2	2,967.36
3/4		3/4		3/4		3/4		3/4	4,707.95	3/4	4,390.10	3/4	4,047.79	3/4	3,686.80	3/4	3,323.29	3/4	2,959.79
6		6		6		6		6	4,701.53	6	4,383.25	6	4,040.42	6	3,679.22	6	3,315.72	6	2,952.22
1/4		1/4		1/4		1/4		1/4	4,695.12	1/4	4,376.39	1/4	4,033.05	1/4	3,671.65	1/4	3,308.15	1/4	2,944.64
1/2		1/2		1/2		1/2		1/2	4,688.70	1/2	4,369.54	1/2	4,025.67	1/2	3,664.08	1/2	3,300.57	1/2	2,937.07
3/4		3/4		3/4		3/4		3/4	4,682.26	3/4	4,362.66	3/4	4,018.28	3/4	3,656.51	3/4	3,293.00	3/4	2,929.50
7		7		7		7		7	4,675.81	7	4,355.75	7	4,010.87	7	3,648.93	7	3,285.43	7	2,921.92
1/4		1/4		1/4		1/4		1/4	4,669.35	1/4	4,348.84	1/4	4,003.46	1/4	3,641.36	1/4	3,277.86	1/4	2,914.35
1/2		1/2		1/2		1/2		1/2	4,662.90	1/2	4,341.92	1/2	3,996.05	1/2	3,633.79	1/2	3,270.28	1/2	2,906.78
3/4		3/4		3/4		3/4		3/4	4,656.43	3/4	4,334.97	3/4	3,988.62	3/4	3,626.21	3/4	3,262.71	3/4	2,899.21
8		8		8		8		8	4,649.94	8	4,327.98	8	3,981.17	8	3,618.64	8	3,255.14	8	2,891.63
1/4		1/4		1/4		1/4		1/4	4,643.45	1/4	4,320.99	1/4	3,973.72	1/4	3,611.07	1/4	3,247.56	1/4	2,884.06
1/2		1/2		1/2		1/2		1/2	4,636.95	1/2	4,314.00	1/2	3,966.28	1/2	3,603.49	1/2	3,239.99	1/2	2,876.49
3/4		3/4		3/4		3/4		3/4	4,630.44	3/4	4,306.98	3/4	3,958.81	3/4	3,595.92	3/4	3,232.42	3/4	2,868.91
9		9		9		9		9	4,623.92	9	4,299.93	9	3,951.32	9	3,588.35	9	3,224.84	9	2,861.34
1/4		1/4		1/4		1/4		1/4	4,617.39	1/4	4,292.88	1/4	3,943.84	1/4	3,580.78	1/4	3,217.27	1/4	2,853.77
1/2		1/2		1/2		1/2		1/2	4,610.86	1/2	4,285.83	1/2	3,936.36	1/2	3,573.20	1/2	3,209.70	1/2	2,846.19
3/4		3/4		3/4		3/4		3/4	4,604.31	3/4	4,278.77	3/4	3,928.85	3/4	3,565.63	3/4	3,202.13	3/4	2,838.62
10		10		10		10		10	4,597.75	10	4,271.68	10	3,921.33	10	3,558.06	10	3,194.55	10	2,831.05
1/4		1/4		1/4		1/4		1/4	4,591.18	1/4	4,264.60	1/4	3,913.81	1/4	3,550.48	1/4	3,186.98	1/4	2,823.48
1/2		1/2		1/2		1/2		1/2	4,584.62	1/2	4,257.51	1/2	3,906.29	1/2	3,542.91	1/2	3,179.41	1/2	2,815.90
3/4		3/4		3/4		3/4		3/4	4,578.03	3/4	4,250.41	3/4	3,898.75	3/4	3,535.34	3/4	3,171.83	3/4	2,808.33
11		11		11		11		11	4,571.43	11	4,243.28	11	3,891.20	11	3,527.76	11	3,164.26	11	2,800.76
1/4		1/4		1/4		1/4		1/4	4,564.83	1/4	4,236.16	1/4	3,883.64	1/4	3,520.19	1/4	3,156.69	1/4	2,793.18
1/2		1/2		1/2		1/2		1/2	4,558.22	1/2	4,229.04	1/2	3,876.09	1/2	3,512.62	1/2	3,149.11	1/2	2,785.61
3/4		3/4		3/4		3/4		3/4	4,551.60	3/4	4,221.89	3/4	3,868.53	3/4	3,505.05	3/4	3,141.54	3/4	2,778.04

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API 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 OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-10" OFF CENTERLINE AND 54'-04" 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 28064"

2 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 5/8"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
N		N		N		N		N		N		N		N		N		N	
0	2,406.96	0	2,043.46	0	1,679.94	0	1,320.31	0	957.78	0	594.37	0	230.82	0		0		0	
1/4	2,399.39	1/4	2,035.88	1/4	1,672.37	1/4	1,312.74	1/4	950.24	1/4	586.80	1/4	223.24	1/4		1/4		1/4	
1/2	2,391.81	1/2	2,028.31	1/2	1,664.80	1/2	1,305.16	1/2	942.69	1/2	579.22	1/2	215.67	1/2		1/2		1/2	
3/4	2,384.24	3/4	2,020.74	3/4	1,657.22	3/4	1,297.59	3/4	935.14	3/4	571.65	3/4	208.10	3/4		3/4		3/4	
1	2,376.67	1	2,013.17	1	1,649.65	1	1,290.01	1	927.58	1	564.07	1	200.53	1		1		1	
1/4	2,369.10	1/4	2,005.59	1/4	1,642.08	1/4	1,282.44	1/4	920.01	1/4	556.50	1/4	192.96	1/4		1/4		1/4	
1/2	2,361.52	1/2	1,998.02	1/2	1,634.51	1/2	1,274.87	1/2	912.45	1/2	548.93	1/2	185.38	1/2		1/2		1/2	
3/4	2,353.95	3/4	1,990.45	3/4	1,626.93	3/4	1,267.29	3/4	904.89	3/4	541.35	3/4	177.82	3/4		3/4		3/4	
2	2,346.38	2	1,982.87	2	1,619.36	2	1,259.72	2	897.31	2	533.78	2	170.25	2		2		2	
1/4	2,338.80	1/4	1,975.30	1/4	1,611.79	1/4	1,252.15	1/4	889.74	1/4	526.20	1/4	162.69	1/4		1/4		1/4	
1/2	2,331.23	1/2	1,967.73	1/2	1,604.21	1/2	1,244.57	1/2	882.17	1/2	518.63	1/2	155.12	1/2		1/2		1/2	
3/4	2,323.66	3/4	1,960.15	3/4	1,596.64	3/4	1,237.00	3/4	874.59	3/4	511.06	3/4	147.57	3/4		3/4		3/4	
3	2,316.08	3	1,952.58	3	1,589.07	3	1,229.44	3	867.02	3	503.48	3	140.01	3		3		3	
1/4	2,308.51	1/4	1,945.01	1/4	1,581.49	1/4	1,221.88	1/4	859.45	1/4	495.91	1/4	132.46	1/4		1/4		1/4	
1/2	2,300.94	1/2	1,937.43	1/2	1,573.92	1/2	1,214.32	1/2	851.87	1/2	488.33	1/2	124.91	1/2		1/2		1/2	
3/4	2,293.37	3/4	1,929.86	3/4	1,566.35	3/4	1,206.77	3/4	844.30	3/4	480.76	3/4	117.37	3/4		3/4		3/4	
4	2,285.79	4	1,922.29	4	1,558.89	4	1,199.22	4	836.72	4	473.19	4	109.83	4		4		4	
1/4	2,278.22	1/4	1,914.71	1/4	1,551.40	1/4	1,191.67	1/4	829.15	1/4	465.61	1/4	102.30	1/4		1/4		1/4	
1/2	2,270.65	1/2	1,907.14	1/2	1,543.91	1/2	1,184.13	1/2	821.58	1/2	458.04	1/2	94.77	1/2		1/2		1/2	
3/4	2,263.07	3/4	1,899.57	3/4	1,536.46	3/4	1,176.58	3/4	814.00	3/4	450.46	3/4	87.25	3/4		3/4		3/4	
5	2,255.50	5	1,891.99	5	1,529.05	5	1,169.04	5	806.43	5	442.89	5	79.75	5		5		5	
1/4	2,247.93	1/4	1,884.42	1/4	1,521.64	1/4	1,161.49	1/4	798.86	1/4	435.32	1/4	72.25	1/4		1/4		1/4	
1/2	2,240.35	1/2	1,876.85	1/2	1,514.23	1/2	1,153.95	1/2	791.28	1/2	427.74	1/2	64.76	1/2		1/2		1/2	
3/4	2,232.78	3/4	1,869.27	3/4	1,506.81	3/4	1,146.40	3/4	783.71	3/4	420.17	3/4	57.56	3/4		3/4		3/4	
6	2,225.21	6	1,861.70	6	1,499.40	6	1,138.86	6	776.14	6	412.59	6	50.67	6		6		6	
1/4	2,217.64	1/4	1,854.13	1/4	1,491.99	1/4	1,131.31	1/4	768.56	1/4	405.02	1/4	43.77	1/4		1/4		1/4	
1/2	2,210.06	1/2	1,846.55	1/2	1,484.58	1/2	1,123.77	1/2	760.99	1/2	397.45	1/2	36.88	1/2		1/2		1/2	
3/4	2,202.49	3/4	1,838.98	3/4	1,477.17	3/4	1,116.23	3/4	753.42	3/4	389.87	3/4	30.91	3/4		3/4		3/4	
7	2,194.92	7	1,831.41	7	1,469.76	7	1,108.68	7	745.84	7	382.30	7	25.86	7		7		7	
1/4	2,187.34	1/4	1,823.84	1/4	1,462.35	1/4	1,101.14	1/4	738.27	1/4	374.72	1/4	20.82	1/4		1/4		1/4	
1/2	2,179.77	1/2	1,816.26	1/2	1,454.94	1/2	1,093.59	1/2	730.70	1/2	367.15	1/2	15.77	1/2		1/2		1/2	
3/4	2,172.20	3/4	1,808.69	3/4	1,447.52	3/4	1,086.05	3/4	723.12	3/4	359.58	3/4	13.25	3/4		3/4		3/4	
8	2,164.62	8	1,801.12	8	1,440.11	8	1,078.50	8	715.55	8	352.00	8		8		8		8	
1/4	2,157.05	1/4	1,793.54	1/4	1,432.70	1/4	1,070.96	1/4	707.98	1/4	344.43	1/4		1/4		1/4		1/4	
1/2	2,149.48	1/2	1,785.97	1/2	1,425.29	1/2	1,063.41	1/2	700.40	1/2	336.85	1/2		1/2		1/2		1/2	
3/4	2,141.91	3/4	1,778.40	3/4	1,417.88	3/4	1,055.87	3/4	692.83	3/4	329.28	3/4		3/4		3/4		3/4	
9	2,134.33	9	1,770.82	9	1,410.47	9	1,048.32	9	685.25	9	321.71	9		9		9		9	
1/4	2,126.76	1/4	1,763.25	1/4	1,403.05	1/4	1,040.78	1/4	677.68	1/4	314.13	1/4		1/4		1/4		1/4	
1/2	2,119.19	1/2	1,755.68	1/2	1,395.64	1/2	1,033.23	1/2	670.11	1/2	306.56	1/2		1/2		1/2		1/2	
3/4	2,111.61	3/4	1,748.10	3/4	1,388.19	3/4	1,025.69	3/4	662.54	3/4	298.98	3/4		3/4		3/4		3/4	
10	2,104.04	10	1,740.53	10	1,380.70	10	1,018.14	10	654.96	10	291.41	10		10		10		10	
1/4	2,096.47	1/4	1,732.96	1/4	1,373.20	1/4	1,010.60	1/4	647.39	1/4	283.84	1/4		1/4		1/4		1/4	
1/2	2,088.89	1/2	1,725.38	1/2	1,365.71	1/2	1,003.05	1/2	639.81	1/2	276.26	1/2		1/2		1/2		1/2	
3/4	2,081.32	3/4	1,717.81	3/4	1,358.18	3/4	995.51	3/4	632.24	3/4	268.69	3/4		3/4		3/4		3/4	
11	2,073.75	11	1,710.24	11	1,350.61	11	987.97	11	624.67	11	261.11	11		11		11		11	
1/4	2,066.18	1/4	1,702.66	1/4	1,343.03	1/4	980.42	1/4	617.09	1/4	253.54	1/4		1/4		1/4		1/4	
1/2	2,058.60	1/2	1,695.09	1/2	1,335.46	1/2	972.88	1/2	609.52	1/2	245.97	1/2		1/2		1/2		1/2	
3/4	2,051.03	3/4	1,687.52	3/4	1,327.88	3/4	965.33	3/4	601.94	3/4	238.39	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2004 CL - SW
CALCULATED: 08/16/2004 CL
PRINTED: 08/16/2004 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2004

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



BARGE "KIRBY 28064"

3 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-06"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
0	0	0	0	0	0	0	0	4,206.18	0	3,946.33	0	3,672.52	0	3,393.17	0	3,033.46	0	2,670.76		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,200.90	1/4	3,940.73	1/4	3,666.70	1/4	3,386.47	1/4	3,025.90	1/4	2,663.21		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,449.89	1/2	4,195.62	1/2	3,935.14	1/2	3,660.88	1/2	3,379.77	1/2	3,018.35	1/2	2,655.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,445.17	3/4	4,190.34	3/4	3,929.54	3/4	3,655.07	3/4	3,373.07	3/4	3,010.79	3/4	2,648.09
1	1	1	1	1	1	1	1	4,440.45	1	4,185.07	1	3,923.94	1	3,649.25	1	3,366.37	1	3,003.24	1	2,640.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,435.42	1/4	4,179.77	1/4	3,918.32	1/4	3,643.43	1/4	3,358.80	1/4	2,995.68	1/4	2,632.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,430.39	1/2	4,174.47	1/2	3,912.70	1/2	3,637.61	1/2	3,351.22	1/2	2,988.12	1/2	2,625.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,425.37	3/4	4,169.17	3/4	3,907.08	3/4	3,631.79	3/4	3,343.64	3/4	2,980.57	3/4	2,617.87
2	2	2	2	2	2	2	2	4,420.34	2	4,163.88	2	3,901.46	2	3,625.97	2	3,336.07	2	2,973.01	2	2,610.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,414.69	1/4	4,158.56	1/4	3,895.83	1/4	3,620.15	1/4	3,328.49	1/4	2,965.46	1/4	2,602.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,409.03	1/2	4,153.25	1/2	3,890.19	1/2	3,614.33	1/2	3,320.92	1/2	2,957.90	1/2	2,595.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,403.37	3/4	4,147.93	3/4	3,884.55	3/4	3,608.51	3/4	3,313.34	3/4	2,950.34	3/4	2,587.65
3	3	3	3	3	3	3	3	4,397.71	3	4,142.62	3	3,878.91	3	3,602.69	3	3,305.76	3	2,942.79	3	2,580.09
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,391.98	1/4	4,137.28	1/4	3,873.25	1/4	3,596.87	1/4	3,298.19	1/4	2,935.23	1/4	2,572.53
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,386.24	1/2	4,131.95	1/2	3,867.60	1/2	3,591.05	1/2	3,290.61	1/2	2,927.67	1/2	2,564.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,380.51	3/4	4,126.61	3/4	3,861.94	3/4	3,585.23	3/4	3,283.03	3/4	2,920.12	3/4	2,557.42
4	4	4	4	4	4	4	4	4,374.77	4	4,121.28	4	3,856.28	4	3,579.41	4	3,275.46	4	2,912.56	4	2,549.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,369.18	1/4	4,115.92	1/4	3,850.61	1/4	3,573.59	1/4	3,267.88	1/4	2,905.01	1/4	2,542.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,363.60	1/2	4,110.57	1/2	3,844.93	1/2	3,567.77	1/2	3,260.31	1/2	2,897.45	1/2	2,534.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,358.01	3/4	4,105.21	3/4	3,839.26	3/4	3,561.95	3/4	3,252.73	3/4	2,889.89	3/4	2,527.20
5	5	5	5	5	5	5	5	4,352.42	5	4,099.85	5	3,833.59	5	3,556.13	5	3,245.15	5	2,882.34	5	2,519.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,347.13	1/4	4,094.48	1/4	3,827.89	1/4	3,550.31	1/4	3,237.58	1/4	2,874.78	1/4	2,512.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,341.83	1/2	4,089.10	1/2	3,822.20	1/2	3,544.49	1/2	3,230.00	1/2	2,867.22	1/2	2,504.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,336.54	3/4	4,083.73	3/4	3,816.51	3/4	3,538.67	3/4	3,222.43	3/4	2,859.67	3/4	2,496.97
6	6	6	6	6	6	6	6	4,331.24	6	4,078.35	6	3,810.81	6	3,532.85	6	3,214.85	6	2,852.11	6	2,489.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,326.08	1/4	4,072.96	1/4	3,805.10	1/4	3,527.03	1/4	3,207.28	1/4	2,844.56	1/4	2,481.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,320.92	1/2	4,067.56	1/2	3,799.39	1/2	3,521.21	1/2	3,199.72	1/2	2,837.00	1/2	2,474.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,315.76	3/4	4,062.17	3/4	3,793.67	3/4	3,515.39	3/4	3,192.15	3/4	2,829.44	3/4	2,466.75
7	7	7	7	7	7	7	7	4,310.60	7	4,056.77	7	3,787.96	7	3,509.57	7	3,184.59	7	2,821.89	7	2,459.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,305.42	1/4	4,051.34	1/4	3,782.23	1/4	3,503.75	1/4	3,177.03	1/4	2,814.33	1/4	2,451.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,300.24	1/2	4,045.90	1/2	3,776.49	1/2	3,497.93	1/2	3,169.47	1/2	2,806.78	1/2	2,444.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,295.06	3/4	4,040.47	3/4	3,770.76	3/4	3,492.11	3/4	3,161.92	3/4	2,799.22	3/4	2,436.52
8	8	8	8	8	8	8	8	4,289.87	8	4,035.03	8	3,765.03	8	3,486.29	8	3,154.36	8	2,791.66	8	2,428.97
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,284.67	1/4	4,029.53	1/4	3,759.28	1/4	3,480.47	1/4	3,146.80	1/4	2,784.11	1/4	2,421.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,279.47	1/2	4,024.04	1/2	3,753.52	1/2	3,474.65	1/2	3,139.25	1/2	2,776.55	1/2	2,413.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,274.27	3/4	4,018.54	3/4	3,747.77	3/4	3,468.83	3/4	3,131.69	3/4	2,768.99	3/4	2,406.30
9	9	9	9	9	9	9	9	4,269.07	9	4,013.04	9	3,742.02	9	3,463.01	9	3,124.14	9	2,761.44	9	2,398.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,263.85	1/4	4,007.50	1/4	3,736.24	1/4	3,457.19	1/4	3,116.58	1/4	2,753.88	1/4	2,391.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,258.63	1/2	4,001.96	1/2	3,730.47	1/2	3,451.37	1/2	3,109.02	1/2	2,746.33	1/2	2,383.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,253.41	3/4	3,996.42	3/4	3,724.70	3/4	3,445.55	3/4	3,101.47	3/4	2,738.77	3/4	2,376.07
10	10	10	10	10	10	10	10	4,248.19	10	3,990.88	10	3,718.93	10	3,439.73	10	3,093.91	10	2,731.21	10	2,368.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,242.95	1/4	3,985.32	1/4	3,713.13	1/4	3,433.91	1/4	3,086.35	1/4	2,723.66	1/4	2,360.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,237.71	1/2	3,979.77	1/2	3,707.34	1/2	3,428.09	1/2	3,078.80	1/2	2,716.10	1/2	2,353.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,232.47	3/4	3,974.21	3/4	3,701.55	3/4	3,422.27	3/4	3,071.24	3/4	2,708.54	3/4	2,345.85
11	11	11	11	11	11	11	11	4,227.22	11	3,968.65	11	3,695.76	11	3,416.45	11	3,063.69	11	2,700.99	11	2,338.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,221.96	1/4	3,963.07	1/4	3,689.95	1/4	3,410.63	1/4	3,056.13	1/4	2,693.43	1/4	2,330.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,216.70	1/2	3,957.49	1/2	3,684.14	1/2	3,404.81	1/2	3,048.57	1/2	2,685.88	1/2	2,323.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,211.44	3/4	3,951.91	3/4	3,678.33	3/4	3,398.99	3/4	3,041.02	3/4	2,678.32	3/4	2,315.62

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API 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 OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-10" OFF CENTERLINE AND 54'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28064"

3 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-06"

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	2,308.07	0	1,945.37	0	1,582.71	0	1,224.53	0	870.72	0	515.16	0	151.46	0		0		0	
1/4	2,300.51	1/4	1,937.81	1/4	1,575.17	1/4	1,216.99	1/4	863.38	1/4	507.58	1/4	144.20	1/4		1/4		1/4	
1/2	2,292.95	1/2	1,930.26	1/2	1,567.64	1/2	1,209.45	1/2	856.04	1/2	500.00	1/2	136.93	1/2		1/2		1/2	
3/4	2,285.40	3/4	1,922.70	3/4	1,560.11	3/4	1,201.91	3/4	848.70	3/4	492.43	3/4	129.67	3/4		3/4		3/4	
1	2,277.84	1	1,915.14	1	1,552.58	1	1,194.37	1	841.36	1	484.85	1	122.41	1		1		1	
1/4	2,270.28	1/4	1,907.59	1/4	1,545.04	1/4	1,186.83	1/4	834.00	1/4	477.27	1/4	116.10	1/4		1/4		1/4	
1/2	2,262.73	1/2	1,900.03	1/2	1,537.51	1/2	1,179.28	1/2	826.65	1/2	469.69	1/2	109.79	1/2		1/2		1/2	
3/4	2,255.17	3/4	1,892.47	3/4	1,529.98	3/4	1,171.74	3/4	819.29	3/4	462.12	3/4	103.47	3/4		3/4		3/4	
2	2,247.62	2	1,884.92	2	1,522.44	2	1,164.20	2	811.94	2	454.54	2	97.16	2		2		2	
1/4	2,240.06	1/4	1,877.36	1/4	1,514.91	1/4	1,156.77	1/4	804.57	1/4	446.96	1/4	92.11	1/4		1/4		1/4	
1/2	2,232.50	1/2	1,869.80	1/2	1,507.38	1/2	1,149.33	1/2	797.21	1/2	439.39	1/2	87.07	1/2		1/2		1/2	
3/4	2,224.95	3/4	1,862.25	3/4	1,499.84	3/4	1,141.89	3/4	789.84	3/4	431.81	3/4	82.02	3/4		3/4		3/4	
3	2,217.39	3	1,854.69	3	1,492.31	3	1,134.46	3	782.47	3	424.23	3	76.98	3		3		3	
1/4	2,209.84	1/4	1,847.13	1/4	1,484.78	1/4	1,127.13	1/4	775.11	1/4	416.66	1/4	73.21	1/4		1/4		1/4	
1/2	2,202.28	1/2	1,839.58	1/2	1,477.25	1/2	1,119.80	1/2	767.74	1/2	409.08	1/2	69.44	1/2		1/2		1/2	
3/4	2,194.72	3/4	1,832.02	3/4	1,469.71	3/4	1,112.47	3/4	760.37	3/4	401.50	3/4	65.67	3/4		3/4		3/4	
4	2,187.17	4	1,824.47	4	1,462.18	4	1,105.15	4	753.00	4	393.92	4	61.90	4		4		4	
1/4	2,179.61	1/4	1,816.91	1/4	1,454.73	1/4	1,097.82	1/4	745.64	1/4	386.35	1/4	59.41	1/4		1/4		1/4	
1/2	2,172.05	1/2	1,809.35	1/2	1,447.28	1/2	1,090.50	1/2	738.27	1/2	378.77	1/2	56.92	1/2		1/2		1/2	
3/4	2,164.50	3/4	1,801.80	3/4	1,439.82	3/4	1,083.18	3/4	730.90	3/4	371.19	3/4	54.43	3/4		3/4		3/4	
5	2,156.94	5	1,794.24	5	1,432.37	5	1,075.86	5	723.54	5	363.62	5	51.94	5		5		5	
1/4	2,149.39	1/4	1,786.68	1/4	1,424.99	1/4	1,068.54	1/4	716.17	1/4	356.04	1/4	50.74	1/4		1/4		1/4	
1/2	2,141.83	1/2	1,779.13	1/2	1,417.60	1/2	1,061.22	1/2	708.80	1/2	348.46	1/2	49.54	1/2		1/2		1/2	
3/4	2,134.27	3/4	1,771.57	3/4	1,410.22	3/4	1,053.90	3/4	701.44	3/4	340.88	3/4	48.35	3/4		3/4		3/4	
6	2,126.72	6	1,764.01	6	1,402.84	6	1,046.58	6	694.07	6	333.31	6	47.15	6		6		6	
1/4	2,119.16	1/4	1,756.46	1/4	1,395.44	1/4	1,039.26	1/4	686.70	1/4	325.73	1/4		1/4		1/4		1/4	
1/2	2,111.60	1/2	1,748.90	1/2	1,388.05	1/2	1,031.94	1/2	679.34	1/2	318.15	1/2		1/2		1/2		1/2	
3/4	2,104.05	3/4	1,741.35	3/4	1,380.65	3/4	1,024.62	3/4	671.97	3/4	310.58	3/4		3/4		3/4		3/4	
7	2,096.49	7	1,733.79	7	1,373.25	7	1,017.30	7	664.60	7	303.00	7		7		7		7	
1/4	2,088.94	1/4	1,726.23	1/4	1,365.86	1/4	1,009.98	1/4	657.23	1/4	295.42	1/4		1/4		1/4		1/4	
1/2	2,081.38	1/2	1,718.68	1/2	1,358.46	1/2	1,002.66	1/2	649.87	1/2	287.84	1/2		1/2		1/2		1/2	
3/4	2,073.82	3/4	1,711.12	3/4	1,351.07	3/4	995.34	3/4	642.50	3/4	280.27	3/4		3/4		3/4		3/4	
8	2,066.27	8	1,703.56	8	1,343.67	8	988.02	8	635.13	8	272.69	8		8		8		8	
1/4	2,058.71	1/4	1,696.01	1/4	1,336.28	1/4	980.70	1/4	627.77	1/4	265.11	1/4		1/4		1/4		1/4	
1/2	2,051.16	1/2	1,688.45	1/2	1,328.88	1/2	973.38	1/2	620.40	1/2	257.54	1/2		1/2		1/2		1/2	
3/4	2,043.60	3/4	1,680.89	3/4	1,321.48	3/4	966.06	3/4	613.03	3/4	249.96	3/4		3/4		3/4		3/4	
9	2,036.04	9	1,673.34	9	1,314.09	9	958.74	9	605.67	9	242.38	9		9		9		9	
1/4	2,028.49	1/4	1,665.78	1/4	1,306.70	1/4	951.41	1/4	598.19	1/4	234.80	1/4		1/4		1/4		1/4	
1/2	2,020.93	1/2	1,658.22	1/2	1,299.31	1/2	944.08	1/2	590.72	1/2	227.23	1/2		1/2		1/2		1/2	
3/4	2,013.37	3/4	1,650.67	3/4	1,291.92	3/4	936.75	3/4	583.25	3/4	219.65	3/4		3/4		3/4		3/4	
10	2,005.82	10	1,643.11	10	1,284.54	10	929.42	10	575.77	10	212.07	10		10		10		10	
1/4	1,998.26	1/4	1,635.56	1/4	1,277.08	1/4	922.09	1/4	568.20	1/4	204.50	1/4		1/4		1/4		1/4	
1/2	1,990.71	1/2	1,628.00	1/2	1,269.62	1/2	914.75	1/2	560.62	1/2	196.92	1/2		1/2		1/2		1/2	
3/4	1,983.15	3/4	1,620.44	3/4	1,262.16	3/4	907.41	3/4	553.04	3/4	189.34	3/4		3/4		3/4		3/4	
11	1,975.59	11	1,612.89	11	1,254.70	11	900.07	11	545.47	11	181.77	11		11		11		11	
1/4	1,968.04	1/4	1,605.34	1/4	1,247.15	1/4	892.73	1/4	537.89	1/4	174.19	1/4		1/4		1/4		1/4	
1/2	1,960.48	1/2	1,597.80	1/2	1,239.61	1/2	885.39	1/2	530.31	1/2	166.61	1/2		1/2		1/2		1/2	
3/4	1,952.92	3/4	1,590.25	3/4	1,232.07	3/4	878.06	3/4	522.73	3/4	159.03	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2004 CL - SW
CALCULATED: 08/16/2004 CL
PRINTED: 08/18/2004 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2004

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



BARGE "KIRBY 28064"

3 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-06"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
N	I	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	
	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
	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	
	1/4		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
	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	
	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
	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	
	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
	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	
	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
	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	
	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
	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	
	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
	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	
	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
	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	
	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
	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	
	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
	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	
	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
	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	
	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
	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API 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 OBSERVED WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-10" OFF CENTERLINE AND 54'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28064"

3 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-06"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,330.05	0	1,966.16	0	1,602.25	0	1,242.22	0	879.26	0	515.50	0	151.56	0		0		0	
1/4	2,322.47	1/4	1,958.57	1/4	1,594.67	1/4	1,234.64	1/4	871.71	1/4	507.91	1/4	144.29	1/4		1/4		1/4	
1/2	2,314.89	1/2	1,950.99	1/2	1,587.09	1/2	1,227.06	1/2	864.15	1/2	500.33	1/2	137.02	1/2		1/2		1/2	
3/4	2,307.30	3/4	1,943.41	3/4	1,579.51	3/4	1,219.48	3/4	856.60	3/4	492.75	3/4	129.76	3/4		3/4		3/4	
1	2,299.72	1	1,935.83	1	1,571.93	1	1,211.89	1	849.04	1	485.17	1	122.49	1		1		1	
1/4	2,292.14	1/4	1,928.25	1/4	1,564.34	1/4	1,204.31	1/4	841.47	1/4	477.59	1/4	116.17	1/4		1/4		1/4	
1/2	2,284.56	1/2	1,920.67	1/2	1,556.76	1/2	1,196.73	1/2	833.91	1/2	470.00	1/2	109.86	1/2		1/2		1/2	
3/4	2,276.98	3/4	1,913.08	3/4	1,549.18	3/4	1,189.15	3/4	826.34	3/4	462.42	3/4	103.54	3/4		3/4		3/4	
2	2,269.40	2	1,905.50	2	1,541.60	2	1,181.57	2	818.77	2	454.84	2	97.22	2		2		2	
1/4	2,261.82	1/4	1,897.92	1/4	1,534.02	1/4	1,173.98	1/4	811.19	1/4	447.26	1/4	92.17	1/4		1/4		1/4	
1/2	2,254.24	1/2	1,890.34	1/2	1,526.44	1/2	1,166.40	1/2	803.60	1/2	439.68	1/2	87.13	1/2		1/2		1/2	
3/4	2,246.66	3/4	1,882.76	3/4	1,518.86	3/4	1,158.82	3/4	796.02	3/4	432.09	3/4	82.08	3/4		3/4		3/4	
3	2,239.08	3	1,875.18	3	1,511.28	3	1,151.24	3	788.44	3	424.51	3	77.03	3		3		3	
1/4	2,231.49	1/4	1,867.60	1/4	1,503.69	1/4	1,143.67	1/4	780.86	1/4	416.93	1/4	73.26	1/4		1/4		1/4	
1/2	2,223.91	1/2	1,860.02	1/2	1,496.11	1/2	1,136.10	1/2	773.28	1/2	409.35	1/2	69.48	1/2		1/2		1/2	
3/4	2,216.33	3/4	1,852.43	3/4	1,488.53	3/4	1,128.53	3/4	765.70	3/4	401.76	3/4	65.71	3/4		3/4		3/4	
4	2,208.75	4	1,844.85	4	1,480.95	4	1,120.96	4	758.11	4	394.18	4	61.94	4		4		4	
1/4	2,201.17	1/4	1,837.27	1/4	1,473.45	1/4	1,113.41	1/4	750.53	1/4	386.60	1/4	59.44	1/4		1/4		1/4	
1/2	2,193.59	1/2	1,829.69	1/2	1,465.95	1/2	1,105.85	1/2	742.95	1/2	379.02	1/2	56.95	1/2		1/2		1/2	
3/4	2,186.01	3/4	1,822.11	3/4	1,458.45	3/4	1,098.30	3/4	735.37	3/4	371.44	3/4	54.46	3/4		3/4		3/4	
5	2,178.43	5	1,814.53	5	1,450.95	5	1,090.74	5	727.79	5	363.85	5	51.97	5		5		5	
1/4	2,170.85	1/4	1,806.95	1/4	1,443.53	1/4	1,083.19	1/4	720.21	1/4	356.27	1/4	50.77	1/4		1/4		1/4	
1/2	2,163.26	1/2	1,799.37	1/2	1,436.11	1/2	1,075.64	1/2	712.62	1/2	348.69	1/2	49.58	1/2		1/2		1/2	
3/4	2,155.68	3/4	1,791.78	3/4	1,428.69	3/4	1,068.08	3/4	705.04	3/4	341.11	3/4	48.38	3/4		3/4		3/4	
6	2,148.10	6	1,784.20	6	1,421.27	6	1,060.53	6	697.46	6	333.53	6	47.18	6		6		6	
1/4	2,140.52	1/4	1,776.62	1/4	1,413.85	1/4	1,052.98	1/4	689.88	1/4	325.94	1/4		1/4		1/4		1/4	
1/2	2,132.94	1/2	1,769.04	1/2	1,406.43	1/2	1,045.42	1/2	682.30	1/2	318.36	1/2		1/2		1/2		1/2	
3/4	2,125.36	3/4	1,761.46	3/4	1,399.01	3/4	1,037.87	3/4	674.72	3/4	310.78	3/4		3/4		3/4		3/4	
7	2,117.78	7	1,753.88	7	1,391.59	7	1,030.32	7	667.13	7	303.20	7		7		7		7	
1/4	2,110.20	1/4	1,746.30	1/4	1,384.17	1/4	1,022.77	1/4	659.55	1/4	295.62	1/4		1/4		1/4		1/4	
1/2	2,102.62	1/2	1,738.71	1/2	1,376.75	1/2	1,015.21	1/2	651.97	1/2	288.03	1/2		1/2		1/2		1/2	
3/4	2,095.03	3/4	1,731.13	3/4	1,369.33	3/4	1,007.66	3/4	644.39	3/4	280.45	3/4		3/4		3/4		3/4	
8	2,087.45	8	1,723.55	8	1,361.91	8	1,000.11	8	636.81	8	272.87	8		8		8		8	
1/4	2,079.87	1/4	1,715.97	1/4	1,354.49	1/4	992.56	1/4	629.23	1/4	265.29	1/4		1/4		1/4		1/4	
1/2	2,072.29	1/2	1,708.39	1/2	1,347.07	1/2	985.00	1/2	621.64	1/2	257.70	1/2		1/2		1/2		1/2	
3/4	2,064.71	3/4	1,700.81	3/4	1,339.65	3/4	977.45	3/4	614.06	3/4	250.12	3/4		3/4		3/4		3/4	
9	2,057.13	9	1,693.23	9	1,332.23	9	969.90	9	606.48	9	242.54	9		9		9		9	
1/4	2,049.55	1/4	1,685.65	1/4	1,324.81	1/4	962.34	1/4	598.90	1/4	234.96	1/4		1/4		1/4		1/4	
1/2	2,041.97	1/2	1,678.06	1/2	1,317.39	1/2	954.79	1/2	591.32	1/2	227.38	1/2		1/2		1/2		1/2	
3/4	2,034.39	3/4	1,670.48	3/4	1,309.97	3/4	947.24	3/4	583.73	3/4	219.79	3/4		3/4		3/4		3/4	
10	2,026.80	10	1,662.90	10	1,302.55	10	939.69	10	576.15	10	212.21	10		10		10		10	
1/4	2,019.22	1/4	1,655.32	1/4	1,295.05	1/4	932.13	1/4	568.57	1/4	204.63	1/4		1/4		1/4		1/4	
1/2	2,011.64	1/2	1,647.74	1/2	1,287.55	1/2	924.58	1/2	560.99	1/2	197.05	1/2		1/2		1/2		1/2	
3/4	2,004.06	3/4	1,640.16	3/4	1,280.05	3/4	917.03	3/4	553.41	3/4	189.47	3/4		3/4		3/4		3/4	
11	1,996.48	11	1,632.58	11	1,272.55	11	909.47	11	545.82	11	181.88	11		11		11		11	
1/4	1,988.90	1/4	1,625.00	1/4	1,264.97	1/4	901.92	1/4	538.24	1/4	174.30	1/4		1/4		1/4		1/4	
1/2	1,981.32	1/2	1,617.41	1/2	1,257.39	1/2	894.37	1/2	530.66	1/2	166.72	1/2		1/2		1/2		1/2	
3/4	1,973.74	3/4	1,609.83	3/4	1,249.80	3/4	886.82	3/4	523.08	3/4	159.14	3/4		3/4		3/4		3/4	

STRAPPED: 08/12/2004 CL - SW
CALCULATED: 08/16/2004 CL
PRINTED: 08/16/2004 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2004

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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