



BARGE "KIRBY 27722"

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	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/8	- 02-1/8
1 STBD	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/8	- 02-1/8
2 PORT	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-1/2	- 01-1/2	01-7/8	- 01-7/8	02-1/8	- 02-1/8
2 STBD	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/8	- 02-1/8
3 PORT	02-1/4	- 02-1/4	04-3/8	- 04-3/8	06-5/8	- 06-5/8	08-3/4	- 08-3/4	11-0/8	- 11-0/8	13-1/8	- 13-1/8
3 STBD	02-1/4	- 02-1/4	04-3/8	- 04-3/8	06-5/8	- 06-5/8	08-3/4	- 08-3/4	11-0/8	- 11-0/8	13-1/8	- 13-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 241'-03"

February 24, 2005

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

<http://www.pmacorp.net>



BARGE "KIRBY 27722"

1 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN			
0		0		0		0		0	4,482.25	0	4,149.15	0	3,792.54	0	3,426.78	0	3,061.03	0	2,695.27		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,802.64	1/4	4,475.57	1/4	4,141.95	1/4	3,784.92	1/4	3,419.16	1/4	3,053.41	1/4	2,687.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,795.82	1/2	4,468.86	1/2	4,134.71	1/2	3,777.30	1/2	3,411.54	1/2	3,045.79	1/2	2,680.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,789.00	3/4	4,462.15	3/4	4,127.46	3/4	3,769.68	3/4	3,403.92	3/4	3,038.17	3/4	2,672.41
1		1		1		1		1	4,782.18	1	4,455.43	1	4,120.22	1	3,762.06	1	3,396.30	1	3,030.55	1	2,664.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,775.35	1/4	4,448.72	1/4	4,112.98	1/4	3,754.44	1/4	3,388.68	1/4	3,022.93	1/4	2,657.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,767.90	1/2	4,441.98	1/2	4,105.70	1/2	3,746.82	1/2	3,381.06	1/2	3,015.31	1/2	2,649.55
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,760.44	3/4	4,435.23	3/4	4,098.42	3/4	3,739.20	3/4	3,373.44	3/4	3,007.69	3/4	2,641.93
2		2		2		2		2	4,752.98	2	4,428.48	2	4,091.14	2	3,731.58	2	3,365.82	2	3,000.07	2	2,634.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,745.53	1/4	4,421.73	1/4	4,083.86	1/4	3,723.96	1/4	3,358.20	1/4	2,992.45	1/4	2,626.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,737.99	1/2	4,414.95	1/2	4,076.55	1/2	3,716.34	1/2	3,350.58	1/2	2,984.83	1/2	2,619.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,730.45	3/4	4,408.16	3/4	4,069.23	3/4	3,708.72	3/4	3,342.96	3/4	2,977.21	3/4	2,611.45
3		3		3		3		3	4,722.92	3	4,401.38	3	4,061.92	3	3,701.10	3	3,335.34	3	2,969.59	3	2,603.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,715.38	1/4	4,394.60	1/4	4,054.60	1/4	3,693.48	1/4	3,327.72	1/4	2,961.97	1/4	2,596.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,708.13	1/2	4,387.77	1/2	4,047.26	1/2	3,685.86	1/2	3,320.10	1/2	2,954.35	1/2	2,588.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,700.87	3/4	4,380.95	3/4	4,039.91	3/4	3,678.24	3/4	3,312.48	3/4	2,946.73	3/4	2,580.97
4		4		4		4		4	4,693.61	4	4,374.13	4	4,032.56	4	3,670.62	4	3,304.86	4	2,939.11	4	2,573.35
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,686.36	1/4	4,367.31	1/4	4,025.22	1/4	3,663.00	1/4	3,297.24	1/4	2,931.49	1/4	2,565.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,679.65	1/2	4,360.45	1/2	4,017.83	1/2	3,655.38	1/2	3,289.62	1/2	2,923.87	1/2	2,558.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,672.94	3/4	4,353.59	3/4	4,010.45	3/4	3,647.76	3/4	3,282.00	3/4	2,916.25	3/4	2,550.49
5		5		5		5		5	4,666.23	5	4,346.73	5	4,003.07	5	3,640.14	5	3,274.38	5	2,908.63	5	2,542.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,659.52	1/4	4,339.87	1/4	3,995.69	1/4	3,632.52	1/4	3,266.76	1/4	2,901.01	1/4	2,535.25
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,653.06	1/2	4,332.97	1/2	3,988.27	1/2	3,624.90	1/2	3,259.14	1/2	2,893.39	1/2	2,527.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,646.60	3/4	4,326.08	3/4	3,980.85	3/4	3,617.28	3/4	3,251.52	3/4	2,885.77	3/4	2,520.01
6		6		6		6		6	4,640.15	6	4,319.18	6	3,973.43	6	3,609.66	6	3,243.90	6	2,878.15	6	2,512.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,633.69	1/4	4,312.28	1/4	3,966.01	1/4	3,602.04	1/4	3,236.29	1/4	2,870.53	1/4	2,504.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,627.19	1/2	4,305.33	1/2	3,958.55	1/2	3,594.42	1/2	3,228.67	1/2	2,862.91	1/2	2,497.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,620.70	3/4	4,298.37	3/4	3,951.10	3/4	3,586.80	3/4	3,221.05	3/4	2,855.29	3/4	2,489.53
7		7		7		7		7	4,614.20	7	4,291.42	7	3,943.64	7	3,579.18	7	3,213.43	7	2,847.67	7	2,481.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,607.71	1/4	4,284.47	1/4	3,936.18	1/4	3,571.56	1/4	3,205.81	1/4	2,840.05	1/4	2,474.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,601.17	1/2	4,277.43	1/2	3,928.69	1/2	3,563.94	1/2	3,198.19	1/2	2,832.43	1/2	2,466.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,594.64	3/4	4,270.40	3/4	3,921.19	3/4	3,556.32	3/4	3,190.57	3/4	2,824.81	3/4	2,459.06
8		8		8		8		8	4,588.11	8	4,263.36	8	3,913.70	8	3,548.70	8	3,182.95	8	2,817.19	8	2,451.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,581.58	1/4	4,256.33	1/4	3,906.21	1/4	3,541.08	1/4	3,175.33	1/4	2,809.57	1/4	2,443.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,575.01	1/2	4,249.23	1/2	3,898.68	1/2	3,533.46	1/2	3,167.71	1/2	2,801.95	1/2	2,436.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,568.44	3/4	4,242.14	3/4	3,891.14	3/4	3,525.84	3/4	3,160.09	3/4	2,794.33	3/4	2,428.58
9		9		9		9		9	4,561.87	9	4,235.05	9	3,883.61	9	3,518.22	9	3,152.47	9	2,786.71	9	2,420.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,555.30	1/4	4,227.96	1/4	3,876.08	1/4	3,510.60	1/4	3,144.85	1/4	2,779.09	1/4	2,413.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,548.69	1/2	4,220.83	1/2	3,868.51	1/2	3,502.98	1/2	3,137.23	1/2	2,771.47	1/2	2,405.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,542.08	3/4	4,213.70	3/4	3,860.94	3/4	3,495.36	3/4	3,129.61	3/4	2,763.85	3/4	2,398.10
10		10		10		10		10	4,535.48	10	4,206.57	10	3,853.38	10	3,487.74	10	3,121.99	10	2,756.23	10	2,390.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,528.87	1/4	4,199.44	1/4	3,845.81	1/4	3,480.12	1/4	3,114.37	1/4	2,748.61	1/4	2,382.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,522.22	1/2	4,192.27	1/2	3,838.21	1/2	3,472.50	1/2	3,106.75	1/2	2,740.99	1/2	2,375.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,515.58	3/4	4,185.10	3/4	3,830.61	3/4	3,464.88	3/4	3,099.13	3/4	2,733.37	3/4	2,367.62
11		11		11		11		11	4,508.93	11	4,177.93	11	3,823.01	11	3,457.26	11	3,091.51	11	2,725.75	11	2,360.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,502.29	1/4	4,170.77	1/4	3,815.41	1/4	3,449.64	1/4	3,083.89	1/4	2,718.13	1/4	2,352.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,495.61	1/2	4,163.56	1/2	3,807.78	1/2	3,442.02	1/2	3,076.27	1/2	2,710.51	1/2	2,344.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,488.93	3/4	4,156.36	3/4	3,800.16	3/4	3,434.40	3/4	3,068.65	3/4	2,702.89	3/4	2,337.14

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 AT 2" RESTRICTED GAUGE.
 GAUGE POINT: (MANUAL) LOCATED 12'-10" OFF CENTERLINE AND 51'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "KIRBY 27722"

1 PORT ULLAGE TABLE

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

GUAGE HEIGHT 16'-07 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,329.52	0	1,963.76	0	1,597.99	0	1,232.87	0	869.31	0	504.47	0	167.14	0		0		0	
1/4	2,321.90	1/4	1,956.14	1/4	1,590.37	1/4	1,225.25	1/4	861.75	1/4	497.08	1/4	160.47	1/4		1/4		1/4	
1/2	2,314.28	1/2	1,948.52	1/2	1,582.75	1/2	1,217.63	1/2	854.17	1/2	490.15	1/2	153.90	1/2		1/2		1/2	
3/4	2,306.66	3/4	1,940.90	3/4	1,575.13	3/4	1,210.01	3/4	846.59	3/4	483.22	3/4	147.33	3/4		3/4		3/4	
1	2,299.04	1	1,933.28	1	1,567.51	1	1,202.39	1	839.01	1	476.29	1	140.76	1		1		1	
1/4	2,291.42	1/4	1,925.66	1/4	1,559.89	1/4	1,194.77	1/4	831.43	1/4	469.36	1/4	134.19	1/4		1/4		1/4	
1/2	2,283.80	1/2	1,918.04	1/2	1,552.27	1/2	1,187.16	1/2	823.83	1/2	462.50	1/2	127.92	1/2		1/2		1/2	
3/4	2,276.18	3/4	1,910.42	3/4	1,544.65	3/4	1,179.55	3/4	816.22	3/4	455.63	3/4	121.66	3/4		3/4		3/4	
2	2,268.56	2	1,902.80	2	1,537.03	2	1,171.95	2	808.62	2	448.77	2	115.39	2		2		2	
1/4	2,260.94	1/4	1,895.18	1/4	1,529.41	1/4	1,164.34	1/4	801.01	1/4	441.90	1/4	109.13	1/4		1/4		1/4	
1/2	2,253.32	1/2	1,887.56	1/2	1,521.79	1/2	1,156.76	1/2	793.39	1/2	434.68	1/2	103.39	1/2		1/2		1/2	
3/4	2,245.70	3/4	1,879.94	3/4	1,514.17	3/4	1,149.18	3/4	785.77	3/4	427.46	3/4	97.66	3/4		3/4		3/4	
3	2,238.08	3	1,872.32	3	1,506.55	3	1,141.60	3	778.15	3	420.24	3	91.92	3		3		3	
1/4	2,230.46	1/4	1,864.70	1/4	1,498.93	1/4	1,134.02	1/4	770.53	1/4	413.02	1/4	86.19	1/4		1/4		1/4	
1/2	2,222.84	1/2	1,857.08	1/2	1,491.31	1/2	1,126.46	1/2	762.91	1/2	405.68	1/2	80.55	1/2		1/2		1/2	
3/4	2,215.22	3/4	1,849.46	3/4	1,483.69	3/4	1,118.89	3/4	755.29	3/4	398.33	3/4	74.92	3/4		3/4		3/4	
4	2,207.60	4	1,841.84	4	1,476.07	4	1,111.33	4	747.67	4	390.99	4	69.28	4		4		4	
1/4	2,199.98	1/4	1,834.22	1/4	1,468.45	1/4	1,103.76	1/4	740.05	1/4	383.64	1/4	63.64	1/4		1/4		1/4	
1/2	2,192.36	1/2	1,826.60	1/2	1,460.84	1/2	1,096.20	1/2	732.42	1/2	376.39	1/2	57.68	1/2		1/2		1/2	
3/4	2,184.74	3/4	1,818.98	3/4	1,453.23	3/4	1,088.64	3/4	724.80	3/4	369.14	3/4	51.71	3/4		3/4		3/4	
5	2,177.12	5	1,811.36	5	1,445.63	5	1,081.08	5	717.18	5	361.88	5	45.74	5		5		5	
1/4	2,169.50	1/4	1,803.74	1/4	1,438.02	1/4	1,073.51	1/4	709.56	1/4	354.63	1/4	39.78	1/4		1/4		1/4	
1/2	2,161.88	1/2	1,796.12	1/2	1,430.43	1/2	1,065.95	1/2	701.94	1/2	347.46	1/2	34.28	1/2		1/2		1/2	
3/4	2,154.26	3/4	1,788.50	3/4	1,422.84	3/4	1,058.39	3/4	694.32	3/4	340.28	3/4	28.79	3/4		3/4		3/4	
6	2,146.64	6	1,780.87	6	1,415.24	6	1,050.83	6	686.70	6	333.11	6	23.29	6		6		6	
1/4	2,139.02	1/4	1,773.25	1/4	1,407.65	1/4	1,043.26	1/4	679.08	1/4	325.93	1/4	17.80	1/4		1/4		1/4	
1/2	2,131.40	1/2	1,765.63	1/2	1,400.06	1/2	1,035.70	1/2	671.46	1/2	318.83	1/2	14.24	1/2		1/2		1/2	
3/4	2,123.78	3/4	1,758.01	3/4	1,392.46	3/4	1,028.14	3/4	663.84	3/4	311.72	3/4	10.69	3/4		3/4		3/4	
7	2,116.16	7	1,750.39	7	1,384.87	7	1,020.57	7	656.22	7	304.62	7	7.14	7		7		7	
1/4	2,108.54	1/4	1,742.77	1/4	1,377.28	1/4	1,013.01	1/4	648.60	1/4	297.52	1/4	3.58	1/4		1/4		1/4	
1/2	2,100.92	1/2	1,735.15	1/2	1,369.69	1/2	1,005.45	1/2	640.98	1/2	290.49	1/2		1/2		1/2		1/2	
3/4	2,093.30	3/4	1,727.53	3/4	1,362.09	3/4	997.89	3/4	633.36	3/4	283.46	3/4		3/4		3/4		3/4	
8	2,085.68	8	1,719.91	8	1,354.50	8	990.32	8	625.74	8	276.43	8		8		8		8	
1/4	2,078.06	1/4	1,712.29	1/4	1,346.91	1/4	982.76	1/4	618.12	1/4	269.41	1/4		1/4		1/4		1/4	
1/2	2,070.44	1/2	1,704.67	1/2	1,339.31	1/2	975.20	1/2	610.50	1/2	262.46	1/2		1/2		1/2		1/2	
3/4	2,062.82	3/4	1,697.05	3/4	1,331.72	3/4	967.64	3/4	602.88	3/4	255.52	3/4		3/4		3/4		3/4	
9	2,055.20	9	1,689.43	9	1,324.13	9	960.07	9	595.25	9	248.58	9		9		9		9	
1/4	2,047.58	1/4	1,681.81	1/4	1,316.53	1/4	952.51	1/4	587.63	1/4	241.64	1/4		1/4		1/4		1/4	
1/2	2,039.96	1/2	1,674.19	1/2	1,308.94	1/2	944.95	1/2	580.01	1/2	234.78	1/2		1/2		1/2		1/2	
3/4	2,032.34	3/4	1,666.57	3/4	1,301.35	3/4	937.39	3/4	572.39	3/4	227.92	3/4		3/4		3/4		3/4	
10	2,024.72	10	1,658.95	10	1,293.75	10	929.82	10	564.77	10	221.06	10		10		10		10	
1/4	2,017.10	1/4	1,651.33	1/4	1,286.16	1/4	922.26	1/4	557.15	1/4	214.20	1/4		1/4		1/4		1/4	
1/2	2,009.48	1/2	1,643.71	1/2	1,278.55	1/2	914.70	1/2	549.53	1/2	207.44	1/2		1/2		1/2		1/2	
3/4	2,001.86	3/4	1,636.09	3/4	1,270.95	3/4	907.13	3/4	541.91	3/4	200.67	3/4		3/4		3/4		3/4	
11	1,994.24	11	1,628.47	11	1,263.34	11	899.57	11	534.29	11	193.91	11		11		11		11	
1/4	1,986.62	1/4	1,620.85	1/4	1,255.73	1/4	892.01	1/4	526.67	1/4	187.14	1/4		1/4		1/4		1/4	
1/2	1,979.00	1/2	1,613.23	1/2	1,248.11	1/2	884.44	1/2	519.27	1/2	180.47	1/2		1/2		1/2		1/2	
3/4	1,971.38	3/4	1,605.61	3/4	1,240.49	3/4	876.88	3/4	511.87	3/4	173.81	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/24/2005 CL - SW
CALCULATED: 02/24/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2005

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



BARGE "KIRBY 27722"

1 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN			
0		0		0		0		0	4,497.00	0	4,164.95	0	3,809.18	0	3,443.41	0	3,077.66	0	2,711.90		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,490.32	1/4	4,157.75	1/4	3,801.55	1/4	3,435.79	1/4	3,070.04	1/4	2,704.28		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,483.64	1/2	4,150.54	1/2	3,793.93	1/2	3,428.17	1/2	3,062.42	1/2	2,696.66		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,804.03	3/4	4,476.96	3/4	4,143.34	3/4	3,786.31	3/4	3,420.55	3/4	3,054.80	3/4	2,689.04
1		1		1		1		1	4,797.21	1	4,470.25	1	4,136.10	1	3,778.69	1	3,412.93	1	3,047.18	1	2,681.42
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,790.39	1/4	4,463.54	1/4	4,128.86	1/4	3,771.07	1/4	3,405.31	1/4	3,039.56	1/4	2,673.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,783.57	1/2	4,456.83	1/2	4,121.61	1/2	3,763.45	1/2	3,397.69	1/2	3,031.94	1/2	2,666.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,776.75	3/4	4,450.11	3/4	4,114.37	3/4	3,755.83	3/4	3,390.08	3/4	3,024.32	3/4	2,658.56
2		2		2		2		2	4,769.29	2	4,443.37	2	4,107.09	2	3,748.21	2	3,382.46	2	3,016.70	2	2,650.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,761.83	1/4	4,436.62	1/4	4,099.81	1/4	3,740.59	1/4	3,374.84	1/4	3,009.08	1/4	2,643.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,754.37	1/2	4,429.87	1/2	4,092.53	1/2	3,732.97	1/2	3,367.22	1/2	3,001.46	1/2	2,635.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,746.92	3/4	4,423.13	3/4	4,085.25	3/4	3,725.35	3/4	3,359.60	3/4	2,993.84	3/4	2,628.09
3		3		3		3		3	4,739.38	3	4,416.34	3	4,077.94	3	3,717.73	3	3,351.98	3	2,986.22	3	2,620.47
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,731.85	1/4	4,409.56	1/4	4,070.62	1/4	3,710.11	1/4	3,344.36	1/4	2,978.60	1/4	2,612.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,724.31	1/2	4,402.77	1/2	4,063.31	1/2	3,702.49	1/2	3,336.74	1/2	2,970.98	1/2	2,605.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,716.78	3/4	4,395.99	3/4	4,056.00	3/4	3,694.87	3/4	3,329.12	3/4	2,963.36	3/4	2,597.61
4		4		4		4		4	4,709.52	4	4,389.17	4	4,048.65	4	3,687.25	4	3,321.50	4	2,955.74	4	2,589.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,702.26	1/4	4,382.34	1/4	4,041.30	1/4	3,679.63	1/4	3,313.88	1/4	2,948.12	1/4	2,582.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,695.00	1/2	4,375.52	1/2	4,033.95	1/2	3,672.01	1/2	3,306.26	1/2	2,940.50	1/2	2,574.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,687.75	3/4	4,368.70	3/4	4,026.61	3/4	3,664.39	3/4	3,298.64	3/4	2,932.88	3/4	2,567.13
5		5		5		5		5	4,681.04	5	4,361.84	5	4,019.23	5	3,656.77	5	3,291.02	5	2,925.26	5	2,559.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,674.33	1/4	4,354.98	1/4	4,011.84	1/4	3,649.15	1/4	3,283.40	1/4	2,917.64	1/4	2,551.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,667.62	1/2	4,348.12	1/2	4,004.46	1/2	3,641.53	1/2	3,275.78	1/2	2,910.02	1/2	2,544.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,660.91	3/4	4,341.26	3/4	3,997.08	3/4	3,633.91	3/4	3,268.16	3/4	2,902.40	3/4	2,536.65
6		6		6		6		6	4,654.46	6	4,334.37	6	3,989.66	6	3,626.29	6	3,260.54	6	2,894.78	6	2,529.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,648.00	1/4	4,327.47	1/4	3,982.24	1/4	3,618.67	1/4	3,252.92	1/4	2,887.16	1/4	2,521.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,641.54	1/2	4,320.57	1/2	3,974.82	1/2	3,611.05	1/2	3,245.30	1/2	2,879.54	1/2	2,513.79
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,635.08	3/4	4,313.68	3/4	3,967.40	3/4	3,603.43	3/4	3,237.68	3/4	2,871.92	3/4	2,506.17
7		7		7		7		7	4,628.59	7	4,306.72	7	3,959.95	7	3,595.81	7	3,230.06	7	2,864.30	7	2,498.55
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,622.09	1/4	4,299.77	1/4	3,952.49	1/4	3,588.19	1/4	3,222.44	1/4	2,856.68	1/4	2,490.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,615.59	1/2	4,292.81	1/2	3,945.03	1/2	3,580.57	1/2	3,214.82	1/2	2,849.06	1/2	2,483.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,609.10	3/4	4,285.86	3/4	3,937.58	3/4	3,572.95	3/4	3,207.20	3/4	2,841.44	3/4	2,475.69
8		8		8		8		8	4,602.57	8	4,278.82	8	3,930.08	8	3,565.33	8	3,199.58	8	2,833.82	8	2,468.07
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,596.03	1/4	4,271.79	1/4	3,922.59	1/4	3,557.71	1/4	3,191.96	1/4	2,826.20	1/4	2,460.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,589.50	1/2	4,264.75	1/2	3,915.09	1/2	3,550.09	1/2	3,184.34	1/2	2,818.58	1/2	2,452.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,582.97	3/4	4,257.72	3/4	3,907.60	3/4	3,542.47	3/4	3,176.72	3/4	2,810.96	3/4	2,445.21
9		9		9		9		9	4,576.40	9	4,250.63	9	3,900.07	9	3,534.85	9	3,169.10	9	2,803.34	9	2,437.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,569.83	1/4	4,243.53	1/4	3,892.54	1/4	3,527.23	1/4	3,161.48	1/4	2,795.72	1/4	2,429.97
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,563.26	1/2	4,236.44	1/2	3,885.00	1/2	3,519.61	1/2	3,153.86	1/2	2,788.10	1/2	2,422.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,556.69	3/4	4,229.35	3/4	3,877.47	3/4	3,511.99	3/4	3,146.24	3/4	2,780.48	3/4	2,414.73
10		10		10		10		10	4,550.08	10	4,222.22	10	3,869.90	10	3,504.37	10	3,138.62	10	2,772.86	10	2,407.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,543.47	1/4	4,215.09	1/4	3,862.34	1/4	3,496.75	1/4	3,131.00	1/4	2,765.24	1/4	2,399.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,536.87	1/2	4,207.96	1/2	3,854.77	1/2	3,489.13	1/2	3,123.38	1/2	2,757.62	1/2	2,391.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,530.26	3/4	4,200.83	3/4	3,847.20	3/4	3,481.51	3/4	3,115.76	3/4	2,750.00	3/4	2,384.25
11		11		11		11		11	4,523.62	11	4,193.66	11	3,839.60	11	3,473.89	11	3,108.14	11	2,742.38	11	2,376.63
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,516.97	1/4	4,186.49	1/4	3,832.00	1/4	3,466.27	1/4	3,100.52	1/4	2,734.76	1/4	2,369.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,510.33	1/2	4,179.33	1/2	3,824.40	1/2	3,458.65	1/2	3,092.90	1/2	2,727.14	1/2	2,361.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,503.68	3/4	4,172.16	3/4	3,816.80	3/4	3,451.03	3/4	3,085.28	3/4	2,719.52	3/4	2,353.77

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 AT 2" RESTRICTED GAUGE.
 GAUGE POINT: (MANUAL) LOCATED 12'-10" OFF CENTERLINE AND 51'-00" 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 27722"

1 STBD ULLAGE TABLE

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

GUAGE HEIGHT 16'-07 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,346.15	0	1,980.39	0	1,614.62	0	1,249.50	0	884.71	0	519.27	0	180.47	0		0		0	
1/4	2,338.53	1/4	1,972.77	1/4	1,607.00	1/4	1,241.88	1/4	877.11	1/4	511.87	1/4	173.81	1/4		1/4		1/4	
1/2	2,330.91	1/2	1,965.15	1/2	1,599.38	1/2	1,234.26	1/2	869.52	1/2	504.47	1/2	167.14	1/2		1/2		1/2	
3/4	2,323.29	3/4	1,957.53	3/4	1,591.76	3/4	1,226.64	3/4	861.92	3/4	497.08	3/4	160.47	3/4		3/4		3/4	
1	2,315.67	1	1,949.91	1	1,584.14	1	1,219.02	1	854.32	1	490.15	1	153.90	1		1		1	
1/4	2,308.05	1/4	1,942.29	1/4	1,576.52	1/4	1,211.40	1/4	846.71	1/4	483.22	1/4	147.33	1/4		1/4		1/4	
1/2	2,300.43	1/2	1,934.67	1/2	1,568.90	1/2	1,203.78	1/2	839.10	1/2	476.29	1/2	140.76	1/2		1/2		1/2	
3/4	2,292.81	3/4	1,927.05	3/4	1,561.28	3/4	1,196.16	3/4	831.49	3/4	469.36	3/4	134.19	3/4		3/4		3/4	
2	2,285.19	2	1,919.43	2	1,553.66	2	1,188.54	2	823.87	2	462.50	2	127.92	2		2		2	
1/4	2,277.57	1/4	1,911.81	1/4	1,546.04	1/4	1,180.92	1/4	816.25	1/4	455.63	1/4	121.66	1/4		1/4		1/4	
1/2	2,269.95	1/2	1,904.19	1/2	1,538.42	1/2	1,173.29	1/2	808.63	1/2	448.77	1/2	115.39	1/2		1/2		1/2	
3/4	2,262.33	3/4	1,896.57	3/4	1,530.80	3/4	1,165.67	3/4	801.01	3/4	441.90	3/4	109.13	3/4		3/4		3/4	
3	2,254.71	3	1,888.95	3	1,523.18	3	1,158.07	3	793.39	3	434.68	3	103.39	3		3		3	
1/4	2,247.09	1/4	1,881.33	1/4	1,515.56	1/4	1,150.46	1/4	785.77	1/4	427.46	1/4	97.66	1/4		1/4		1/4	
1/2	2,239.47	1/2	1,873.71	1/2	1,507.94	1/2	1,142.85	1/2	778.15	1/2	420.24	1/2	91.92	1/2		1/2		1/2	
3/4	2,231.85	3/4	1,866.09	3/4	1,500.32	3/4	1,135.24	3/4	770.53	3/4	413.02	3/4	86.19	3/4		3/4		3/4	
4	2,224.23	4	1,858.47	4	1,492.70	4	1,127.65	4	762.91	4	405.68	4	80.55	4		4		4	
1/4	2,216.61	1/4	1,850.85	1/4	1,485.08	1/4	1,120.05	1/4	755.29	1/4	398.33	1/4	74.92	1/4		1/4		1/4	
1/2	2,208.99	1/2	1,843.23	1/2	1,477.46	1/2	1,112.46	1/2	747.67	1/2	390.99	1/2	69.28	1/2		1/2		1/2	
3/4	2,201.37	3/4	1,835.61	3/4	1,469.84	3/4	1,104.87	3/4	740.05	3/4	383.64	3/4	63.64	3/4		3/4		3/4	
5	2,193.75	5	1,827.99	5	1,462.23	5	1,097.27	5	732.42	5	376.39	5	57.68	5		5		5	
1/4	2,186.13	1/4	1,820.37	1/4	1,454.63	1/4	1,089.68	1/4	724.80	1/4	369.14	1/4	51.71	1/4		1/4		1/4	
1/2	2,178.51	1/2	1,812.75	1/2	1,447.02	1/2	1,082.09	1/2	717.18	1/2	361.88	1/2	45.74	1/2		1/2		1/2	
3/4	2,170.89	3/4	1,805.13	3/4	1,439.41	3/4	1,074.50	3/4	709.56	3/4	354.63	3/4	39.78	3/4		3/4		3/4	
6	2,163.27	6	1,797.51	6	1,431.82	6	1,066.91	6	701.94	6	347.46	6	34.28	6		6		6	
1/4	2,155.65	1/4	1,789.89	1/4	1,424.23	1/4	1,059.32	1/4	694.32	1/4	340.28	1/4	28.79	1/4		1/4		1/4	
1/2	2,148.03	1/2	1,782.27	1/2	1,416.63	1/2	1,051.72	1/2	686.70	1/2	333.11	1/2	23.29	1/2		1/2		1/2	
3/4	2,140.41	3/4	1,774.65	3/4	1,409.04	3/4	1,044.13	3/4	679.08	3/4	325.93	3/4	17.80	3/4		3/4		3/4	
7	2,132.79	7	1,767.03	7	1,401.45	7	1,036.54	7	671.46	7	318.83	7	14.24	7		7		7	
1/4	2,125.17	1/4	1,759.41	1/4	1,393.86	1/4	1,028.95	1/4	663.84	1/4	311.72	1/4	10.69	1/4		1/4		1/4	
1/2	2,117.55	1/2	1,751.79	1/2	1,386.26	1/2	1,021.36	1/2	656.22	1/2	304.62	1/2	7.14	1/2		1/2		1/2	
3/4	2,109.93	3/4	1,744.17	3/4	1,378.67	3/4	1,013.77	3/4	648.60	3/4	297.52	3/4	3.58	3/4		3/4		3/4	
8	2,102.31	8	1,736.55	8	1,371.08	8	1,006.17	8	640.98	8	290.49	8		8		8		8	
1/4	2,094.69	1/4	1,728.93	1/4	1,363.49	1/4	998.58	1/4	633.36	1/4	283.46	1/4		1/4		1/4		1/4	
1/2	2,087.07	1/2	1,721.31	1/2	1,355.89	1/2	990.99	1/2	625.74	1/2	276.43	1/2		1/2		1/2		1/2	
3/4	2,079.45	3/4	1,713.69	3/4	1,348.30	3/4	983.40	3/4	618.12	3/4	269.41	3/4		3/4		3/4		3/4	
9	2,071.83	9	1,706.07	9	1,340.71	9	975.81	9	610.50	9	262.46	9		9		9		9	
1/4	2,064.21	1/4	1,698.45	1/4	1,333.11	1/4	968.22	1/4	602.88	1/4	255.52	1/4		1/4		1/4		1/4	
1/2	2,056.59	1/2	1,690.82	1/2	1,325.52	1/2	960.62	1/2	595.25	1/2	248.58	1/2		1/2		1/2		1/2	
3/4	2,048.97	3/4	1,683.20	3/4	1,317.93	3/4	953.03	3/4	587.63	3/4	241.64	3/4		3/4		3/4		3/4	
10	2,041.35	10	1,675.58	10	1,310.33	10	945.44	10	580.01	10	234.78	10		10		10		10	
1/4	2,033.73	1/4	1,667.96	1/4	1,302.74	1/4	937.85	1/4	572.39	1/4	227.92	1/4		1/4		1/4		1/4	
1/2	2,026.11	1/2	1,660.34	1/2	1,295.15	1/2	930.26	1/2	564.77	1/2	221.06	1/2		1/2		1/2		1/2	
3/4	2,018.49	3/4	1,652.72	3/4	1,287.55	3/4	922.67	3/4	557.15	3/4	214.20	3/4		3/4		3/4		3/4	
11	2,010.87	11	1,645.10	11	1,279.95	11	915.07	11	549.53	11	207.44	11		11		11		11	
1/4	2,003.25	1/4	1,637.48	1/4	1,272.34	1/4	907.48	1/4	541.91	1/4	200.67	1/4		1/4		1/4		1/4	
1/2	1,995.63	1/2	1,629.86	1/2	1,264.73	1/2	899.89	1/2	534.29	1/2	193.91	1/2		1/2		1/2		1/2	
3/4	1,988.01	3/4	1,622.24	3/4	1,257.12	3/4	892.30	3/4	526.67	3/4	187.14	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/24/2005 CL - SW
CALCULATED: 02/24/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2005

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



BARGE "KIRBY 27722"

2 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0		0		0		0		0	4,509.29	0	4,178.90	0	3,825.04	0	3,461.67	0	3,098.30	0	2,734.93		
1/4		1/4		1/4		1/4		1/4	4,502.65	1/4	4,171.74	1/4	3,817.47	1/4	3,454.10	1/4	3,090.73	1/4	2,727.36		
1/2		1/2		1/2		1/2		1/2	4,820.92	1/2	4,496.02	1/2	4,164.59	1/2	3,809.90	1/2	3,446.53	1/2	3,083.16	1/2	2,719.79
3/4		3/4		3/4		3/4		3/4	4,814.14	3/4	4,489.35	3/4	4,157.39	3/4	3,802.33	3/4	3,438.96	3/4	3,075.59	3/4	2,712.22
1		1		1		1		1	4,807.37	1	4,482.68	1	4,150.20	1	3,794.76	1	3,431.39	1	3,068.02	1	2,704.65
1/4		1/4		1/4		1/4		1/4	4,800.59	1/4	4,476.01	1/4	4,143.00	1/4	3,787.19	1/4	3,423.82	1/4	3,060.45	1/4	2,697.08
1/2		1/2		1/2		1/2		1/2	4,793.81	1/2	4,469.34	1/2	4,135.81	1/2	3,779.62	1/2	3,416.25	1/2	3,052.88	1/2	2,689.51
3/4		3/4		3/4		3/4		3/4	4,786.41	3/4	4,462.64	3/4	4,128.57	3/4	3,772.05	3/4	3,408.68	3/4	3,045.31	3/4	2,681.94
2		2		2		2		2	4,779.00	2	4,455.94	2	4,121.34	2	3,764.48	2	3,401.11	2	3,037.74	2	2,674.37
1/4		1/4		1/4		1/4		1/4	4,771.59	1/4	4,449.24	1/4	4,114.11	1/4	3,756.91	1/4	3,393.54	1/4	3,030.17	1/4	2,666.80
1/2		1/2		1/2		1/2		1/2	4,764.19	1/2	4,442.53	1/2	4,106.88	1/2	3,749.34	1/2	3,385.97	1/2	3,022.60	1/2	2,659.23
3/4		3/4		3/4		3/4		3/4	4,756.70	3/4	4,435.79	3/4	4,099.61	3/4	3,741.77	3/4	3,378.40	3/4	3,015.03	3/4	2,651.66
3		3		3		3		3	4,749.21	3	4,429.05	3	4,092.35	3	3,734.20	3	3,370.83	3	3,007.46	3	2,644.09
1/4		1/4		1/4		1/4		1/4	4,741.73	1/4	4,422.31	1/4	4,085.08	1/4	3,726.63	1/4	3,363.26	1/4	2,999.89	1/4	2,636.52
1/2		1/2		1/2		1/2		1/2	4,734.24	1/2	4,415.58	1/2	4,077.81	1/2	3,719.05	1/2	3,355.69	1/2	2,992.32	1/2	2,628.95
3/4		3/4		3/4		3/4		3/4	4,727.03	3/4	4,408.80	3/4	4,070.51	3/4	3,711.48	3/4	3,348.12	3/4	2,984.75	3/4	2,621.38
4		4		4		4		4	4,719.82	4	4,402.02	4	4,063.21	4	3,703.91	4	3,340.54	4	2,977.18	4	2,613.81
1/4		1/4		1/4		1/4		1/4	4,712.61	1/4	4,395.24	1/4	4,055.92	1/4	3,696.34	1/4	3,332.97	1/4	2,969.60	1/4	2,606.24
1/2		1/2		1/2		1/2		1/2	4,705.41	1/2	4,388.47	1/2	4,048.62	1/2	3,688.77	1/2	3,325.40	1/2	2,962.03	1/2	2,598.67
3/4		3/4		3/4		3/4		3/4	4,698.74	3/4	4,381.65	3/4	4,041.28	3/4	3,681.20	3/4	3,317.83	3/4	2,954.46	3/4	2,591.09
5		5		5		5		5	4,692.08	5	4,374.84	5	4,033.95	5	3,673.63	5	3,310.26	5	2,946.89	5	2,583.52
1/4		1/4		1/4		1/4		1/4	4,685.41	1/4	4,368.03	1/4	4,026.61	1/4	3,666.06	1/4	3,302.69	1/4	2,939.32	1/4	2,575.95
1/2		1/2		1/2		1/2		1/2	4,678.75	1/2	4,361.21	1/2	4,019.28	1/2	3,658.49	1/2	3,295.12	1/2	2,931.75	1/2	2,568.38
3/4		3/4		3/4		3/4		3/4	4,672.33	3/4	4,354.36	3/4	4,011.91	3/4	3,650.92	3/4	3,287.55	3/4	2,924.18	3/4	2,560.81
6		6		6		6		6	4,665.92	6	4,347.51	6	4,004.54	6	3,643.35	6	3,279.98	6	2,916.61	6	2,553.24
1/4		1/4		1/4		1/4		1/4	4,659.50	1/4	4,340.66	1/4	3,997.17	1/4	3,635.78	1/4	3,272.41	1/4	2,909.04	1/4	2,545.67
1/2		1/2		1/2		1/2		1/2	4,653.09	1/2	4,333.81	1/2	3,989.80	1/2	3,628.21	1/2	3,264.84	1/2	2,901.47	1/2	2,538.10
3/4		3/4		3/4		3/4		3/4	4,646.64	3/4	4,326.90	3/4	3,982.39	3/4	3,620.64	3/4	3,257.27	3/4	2,893.90	3/4	2,530.53
7		7		7		7		7	4,640.18	7	4,319.99	7	3,974.98	7	3,613.07	7	3,249.70	7	2,886.33	7	2,522.96
1/4		1/4		1/4		1/4		1/4	4,633.73	1/4	4,313.08	1/4	3,967.57	1/4	3,605.50	1/4	3,242.13	1/4	2,878.76	1/4	2,515.39
1/2		1/2		1/2		1/2		1/2	4,627.28	1/2	4,306.17	1/2	3,960.16	1/2	3,597.93	1/2	3,234.56	1/2	2,871.19	1/2	2,507.82
3/4		3/4		3/4		3/4		3/4	4,620.79	3/4	4,299.18	3/4	3,952.72	3/4	3,590.36	3/4	3,226.99	3/4	2,863.62	3/4	2,500.25
8		8		8		8		8	4,614.30	8	4,292.20	8	3,945.27	8	3,582.79	8	3,219.42	8	2,856.05	8	2,492.68
1/4		1/4		1/4		1/4		1/4	4,607.81	1/4	4,285.21	1/4	3,937.83	1/4	3,575.22	1/4	3,211.85	1/4	2,848.48	1/4	2,485.11
1/2		1/2		1/2		1/2		1/2	4,601.32	1/2	4,278.22	1/2	3,930.38	1/2	3,567.65	1/2	3,204.28	1/2	2,840.91	1/2	2,477.54
3/4		3/4		3/4		3/4		3/4	4,594.79	3/4	4,271.17	3/4	3,922.90	3/4	3,560.08	3/4	3,196.71	3/4	2,833.34	3/4	2,469.97
9		9		9		9		9	4,588.27	9	4,264.13	9	3,915.42	9	3,552.51	9	3,189.14	9	2,825.77	9	2,462.40
1/4		1/4		1/4		1/4		1/4	4,581.74	1/4	4,257.08	1/4	3,907.94	1/4	3,544.94	1/4	3,181.57	1/4	2,818.20	1/4	2,454.83
1/2		1/2		1/2		1/2		1/2	4,575.21	1/2	4,250.03	1/2	3,900.46	1/2	3,537.37	1/2	3,174.00	1/2	2,810.63	1/2	2,447.26
3/4		3/4		3/4		3/4		3/4	4,568.65	3/4	4,242.95	3/4	3,892.94	3/4	3,529.80	3/4	3,166.43	3/4	2,803.06	3/4	2,439.69
10		10		10		10		10	4,562.09	10	4,235.87	10	3,885.42	10	3,522.23	10	3,158.86	10	2,795.49	10	2,432.12
1/4		1/4		1/4		1/4		1/4	4,555.52	1/4	4,228.78	1/4	3,877.90	1/4	3,514.66	1/4	3,151.29	1/4	2,787.92	1/4	2,424.55
1/2		1/2		1/2		1/2		1/2	4,548.96	1/2	4,221.70	1/2	3,870.38	1/2	3,507.09	1/2	3,143.72	1/2	2,780.35	1/2	2,416.98
3/4		3/4		3/4		3/4		3/4	4,542.36	3/4	4,214.58	3/4	3,862.83	3/4	3,499.52	3/4	3,136.15	3/4	2,772.78	3/4	2,409.41
11		11		11		11		11	4,535.76	11	4,207.46	11	3,855.28	11	3,491.95	11	3,128.58	11	2,765.21	11	2,401.84
1/4		1/4		1/4		1/4		1/4	4,529.16	1/4	4,200.34	1/4	3,847.73	1/4	3,484.38	1/4	3,121.01	1/4	2,757.64	1/4	2,394.27
1/2		1/2		1/2		1/2		1/2	4,522.56	1/2	4,193.22	1/2	3,840.18	1/2	3,476.81	1/2	3,113.44	1/2	2,750.07	1/2	2,386.70
3/4		3/4		3/4		3/4		3/4	4,515.92	3/4	4,186.06	3/4	3,832.61	3/4	3,469.24	3/4	3,105.87	3/4	2,742.50	3/4	2,379.13

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 AT 2" RESTRICTED GAUGE.
 GAUGE POINT: (MANUAL) LOCATED 12'-10" OFF CENTERLINE AND 50'-11" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 27722"

2 PORT ULLAGE TABLE

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

GUAGE HEIGHT 16'-07 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,371.56	0	2,008.19	0	1,644.81	0	1,285.30	0	934.96	0	575.71	0	219.47	0		0		0	
1/4	2,363.99	1/4	2,000.62	1/4	1,637.24	1/4	1,277.73	1/4	927.71	1/4	568.37	1/4	211.92	1/4		1/4		1/4	
1/2	2,356.42	1/2	1,993.05	1/2	1,629.67	1/2	1,270.16	1/2	920.47	1/2	561.02	1/2	204.37	1/2		1/2		1/2	
3/4	2,348.85	3/4	1,985.48	3/4	1,622.10	3/4	1,262.59	3/4	913.21	3/4	554.12	3/4	196.83	3/4		3/4		3/4	
1	2,341.28	1	1,977.91	1	1,614.52	1	1,255.01	1	905.95	1	547.22	1	189.30	1		1		1	
1/4	2,333.71	1/4	1,970.34	1/4	1,606.95	1/4	1,247.44	1/4	898.70	1/4	540.32	1/4	181.76	1/4		1/4		1/4	
1/2	2,326.14	1/2	1,962.77	1/2	1,599.38	1/2	1,239.87	1/2	891.44	1/2	533.42	1/2	174.22	1/2		1/2		1/2	
3/4	2,318.57	3/4	1,955.20	3/4	1,591.81	3/4	1,232.45	3/4	884.17	3/4	526.52	3/4	166.90	3/4		3/4		3/4	
2	2,311.00	2	1,947.63	2	1,584.24	2	1,225.03	2	876.90	2	519.62	2	159.59	2		2		2	
1/4	2,303.43	1/4	1,940.06	1/4	1,576.67	1/4	1,217.61	1/4	869.63	1/4	512.72	1/4	152.27	1/4		1/4		1/4	
1/2	2,295.86	1/2	1,932.49	1/2	1,569.10	1/2	1,210.19	1/2	862.36	1/2	505.82	1/2	144.96	1/2		1/2		1/2	
3/4	2,288.29	3/4	1,924.92	3/4	1,561.53	3/4	1,202.93	3/4	854.94	3/4	498.48	3/4	138.09	3/4		3/4		3/4	
3	2,280.72	3	1,917.34	3	1,553.96	3	1,195.67	3	847.52	3	491.14	3	131.22	3		3		3	
1/4	2,273.15	1/4	1,909.77	1/4	1,546.39	1/4	1,188.42	1/4	840.10	1/4	483.80	1/4	124.35	1/4		1/4		1/4	
1/2	2,265.58	1/2	1,902.20	1/2	1,538.82	1/2	1,181.16	1/2	832.68	1/2	476.46	1/2	117.48	1/2		1/2		1/2	
3/4	2,258.01	3/4	1,894.63	3/4	1,531.33	3/4	1,173.92	3/4	825.11	3/4	468.91	3/4	110.62	3/4		3/4		3/4	
4	2,250.44	4	1,887.06	4	1,523.84	4	1,166.67	4	817.54	4	461.36	4	103.77	4		4		4	
1/4	2,242.87	1/4	1,879.49	1/4	1,516.35	1/4	1,159.43	1/4	809.97	1/4	453.81	1/4	96.91	1/4		1/4		1/4	
1/2	2,235.30	1/2	1,871.92	1/2	1,508.86	1/2	1,152.19	1/2	802.40	1/2	446.27	1/2	90.05	1/2		1/2		1/2	
3/4	2,227.73	3/4	1,864.35	3/4	1,501.45	3/4	1,144.95	3/4	794.83	3/4	438.72	3/4	82.78	3/4		3/4		3/4	
5	2,220.16	5	1,856.78	5	1,494.04	5	1,137.71	5	787.25	5	431.18	5	75.51	5		5		5	
1/4	2,212.58	1/4	1,849.21	1/4	1,486.64	1/4	1,130.47	1/4	779.68	1/4	423.64	1/4	68.24	1/4		1/4		1/4	
1/2	2,205.01	1/2	1,841.64	1/2	1,479.23	1/2	1,123.23	1/2	772.11	1/2	416.10	1/2	60.97	1/2		1/2		1/2	
3/4	2,197.44	3/4	1,834.07	3/4	1,471.82	3/4	1,115.98	3/4	764.54	3/4	408.55	3/4	54.08	3/4		3/4		3/4	
6	2,189.87	6	1,826.50	6	1,464.41	6	1,108.74	6	756.97	6	401.00	6	47.19	6		6		6	
1/4	2,182.30	1/4	1,818.93	1/4	1,457.00	1/4	1,101.50	1/4	749.40	1/4	393.46	1/4	40.30	1/4		1/4		1/4	
1/2	2,174.73	1/2	1,811.36	1/2	1,449.59	1/2	1,094.26	1/2	741.83	1/2	385.91	1/2	33.41	1/2		1/2		1/2	
3/4	2,167.16	3/4	1,803.79	3/4	1,442.18	3/4	1,087.02	3/4	734.26	3/4	378.35	3/4	28.37	3/4		3/4		3/4	
7	2,159.59	7	1,796.22	7	1,434.78	7	1,079.78	7	726.69	7	370.78	7	23.32	7		7		7	
1/4	2,152.02	1/4	1,788.65	1/4	1,427.37	1/4	1,072.54	1/4	719.12	1/4	363.22	1/4	18.28	1/4		1/4		1/4	
1/2	2,144.45	1/2	1,781.08	1/2	1,419.96	1/2	1,065.30	1/2	711.55	1/2	355.66	1/2	13.23	1/2		1/2		1/2	
3/4	2,136.88	3/4	1,773.51	3/4	1,412.55	3/4	1,058.06	3/4	703.98	3/4	348.09	3/4		3/4		3/4		3/4	
8	2,129.31	8	1,765.93	8	1,405.14	8	1,050.82	8	696.41	8	340.52	8		8		8		8	
1/4	2,121.74	1/4	1,758.36	1/4	1,397.73	1/4	1,043.57	1/4	688.83	1/4	332.95	1/4		1/4		1/4		1/4	
1/2	2,114.17	1/2	1,750.79	1/2	1,390.32	1/2	1,036.33	1/2	681.26	1/2	325.38	1/2		1/2		1/2		1/2	
3/4	2,106.60	3/4	1,743.22	3/4	1,382.91	3/4	1,029.09	3/4	673.69	3/4	317.81	3/4		3/4		3/4		3/4	
9	2,099.03	9	1,735.65	9	1,375.50	9	1,021.85	9	666.12	9	310.24	9		9		9		9	
1/4	2,091.46	1/4	1,728.08	1/4	1,368.09	1/4	1,014.61	1/4	658.55	1/4	302.67	1/4		1/4		1/4		1/4	
1/2	2,083.89	1/2	1,720.51	1/2	1,360.69	1/2	1,007.37	1/2	650.98	1/2	295.10	1/2		1/2		1/2		1/2	
3/4	2,076.32	3/4	1,712.94	3/4	1,353.20	3/4	1,000.13	3/4	643.41	3/4	287.53	3/4		3/4		3/4		3/4	
10	2,068.75	10	1,705.37	10	1,345.71	10	992.89	10	635.84	10	279.96	10		10		10		10	
1/4	2,061.18	1/4	1,697.80	1/4	1,338.22	1/4	985.65	1/4	628.27	1/4	272.39	1/4		1/4		1/4		1/4	
1/2	2,053.61	1/2	1,690.23	1/2	1,330.73	1/2	978.41	1/2	620.69	1/2	264.82	1/2		1/2		1/2		1/2	
3/4	2,046.04	3/4	1,682.66	3/4	1,323.15	3/4	971.16	3/4	613.12	3/4	257.25	3/4		3/4		3/4		3/4	
11	2,038.47	11	1,675.09	11	1,315.58	11	963.92	11	605.55	11	249.69	11		11		11		11	
1/4	2,030.90	1/4	1,667.52	1/4	1,308.01	1/4	956.68	1/4	597.98	1/4	242.13	1/4		1/4		1/4		1/4	
1/2	2,023.33	1/2	1,659.95	1/2	1,300.44	1/2	949.44	1/2	590.41	1/2	234.57	1/2		1/2		1/2		1/2	
3/4	2,015.76	3/4	1,652.38	3/4	1,292.87	3/4	942.20	3/4	583.06	3/4	227.02	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/24/2005 CL - SW
CALCULATED: 02/24/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2005

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



BARGE "KIRBY 27722"

2 STBD 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.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN			
0		0		0		0		0	4,524.94	0	4,194.55	0	3,840.69	0	3,477.32	0	3,113.95	0	2,750.58		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,518.30	1/4	4,187.39	1/4	3,833.12	1/4	3,469.75	1/4	3,106.38	1/4	2,743.01		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,836.57	1/2	4,511.67	1/2	4,180.24	1/2	3,825.55	1/2	3,462.18	1/2	3,098.81	1/2	2,735.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,829.79	3/4	4,505.00	3/4	4,173.04	3/4	3,817.98	3/4	3,454.61	3/4	3,091.24	3/4	2,727.87
1		1		1		1		1	4,823.02	1	4,498.33	1	4,165.85	1	3,810.41	1	3,447.04	1	3,083.67	1	2,720.30
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,816.24	1/4	4,491.66	1/4	4,158.65	1/4	3,802.84	1/4	3,439.47	1/4	3,076.10	1/4	2,712.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,809.47	1/2	4,485.00	1/2	4,151.46	1/2	3,795.27	1/2	3,431.90	1/2	3,068.53	1/2	2,705.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,802.06	3/4	4,478.29	3/4	4,144.23	3/4	3,787.70	3/4	3,424.33	3/4	3,060.96	3/4	2,697.59
2		2		2		2		2	4,794.65	2	4,471.59	2	4,136.99	2	3,780.13	2	3,416.76	2	3,053.39	2	2,690.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,787.24	1/4	4,464.89	1/4	4,129.76	1/4	3,772.56	1/4	3,409.19	1/4	3,045.82	1/4	2,682.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,779.84	1/2	4,458.19	1/2	4,122.53	1/2	3,764.99	1/2	3,401.62	1/2	3,038.25	1/2	2,674.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,772.35	3/4	4,451.45	3/4	4,115.26	3/4	3,757.42	3/4	3,394.05	3/4	3,030.68	3/4	2,667.31
3		3		3		3		3	4,764.87	3	4,444.71	3	4,108.00	3	3,749.85	3	3,386.48	3	3,023.11	3	2,659.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,757.38	1/4	4,437.97	1/4	4,100.73	1/4	3,742.28	1/4	3,378.91	1/4	3,015.54	1/4	2,652.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,749.89	1/2	4,431.23	1/2	4,093.46	1/2	3,734.71	1/2	3,371.34	1/2	3,007.97	1/2	2,644.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,742.68	3/4	4,424.45	3/4	4,086.17	3/4	3,727.14	3/4	3,363.77	3/4	3,000.40	3/4	2,637.03
4		4		4		4		4	4,735.48	4	4,417.67	4	4,078.87	4	3,719.57	4	3,356.20	4	2,992.83	4	2,629.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,728.27	1/4	4,410.90	1/4	4,071.57	1/4	3,712.00	1/4	3,348.63	1/4	2,985.26	1/4	2,621.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,721.06	1/2	4,404.12	1/2	4,064.27	1/2	3,704.43	1/2	3,341.06	1/2	2,977.69	1/2	2,614.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,714.39	3/4	4,397.31	3/4	4,056.93	3/4	3,696.86	3/4	3,333.49	3/4	2,970.12	3/4	2,606.75
5		5		5		5		5	4,707.73	5	4,390.49	5	4,049.60	5	3,689.29	5	3,325.92	5	2,962.55	5	2,599.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,701.06	1/4	4,383.68	1/4	4,042.27	1/4	3,681.72	1/4	3,318.35	1/4	2,954.98	1/4	2,591.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,694.40	1/2	4,376.86	1/2	4,034.93	1/2	3,674.14	1/2	3,310.78	1/2	2,947.41	1/2	2,584.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,687.99	3/4	4,370.01	3/4	4,027.56	3/4	3,666.57	3/4	3,303.20	3/4	2,939.84	3/4	2,576.47
6		6		6		6		6	4,681.57	6	4,363.16	6	4,020.19	6	3,659.00	6	3,295.63	6	2,932.27	6	2,568.90
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,675.15	1/4	4,356.31	1/4	4,012.82	1/4	3,651.43	1/4	3,288.06	1/4	2,924.69	1/4	2,561.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,668.74	1/2	4,349.46	1/2	4,005.45	1/2	3,643.86	1/2	3,280.49	1/2	2,917.12	1/2	2,553.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,662.29	3/4	4,342.55	3/4	3,998.04	3/4	3,636.29	3/4	3,272.92	3/4	2,909.55	3/4	2,546.18
7		7		7		7		7	4,655.83	7	4,335.64	7	3,990.63	7	3,628.72	7	3,265.35	7	2,901.98	7	2,538.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,649.38	1/4	4,328.73	1/4	3,983.22	1/4	3,621.15	1/4	3,257.78	1/4	2,894.41	1/4	2,531.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,642.93	1/2	4,321.82	1/2	3,975.82	1/2	3,613.58	1/2	3,250.21	1/2	2,886.84	1/2	2,523.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,636.44	3/4	4,314.84	3/4	3,968.37	3/4	3,606.01	3/4	3,242.64	3/4	2,879.27	3/4	2,515.90
8		8		8		8		8	4,629.95	8	4,307.85	8	3,960.93	8	3,598.44	8	3,235.07	8	2,871.70	8	2,508.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,623.46	1/4	4,300.86	1/4	3,953.48	1/4	3,590.87	1/4	3,227.50	1/4	2,864.13	1/4	2,500.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,616.97	1/2	4,293.87	1/2	3,946.04	1/2	3,583.30	1/2	3,219.93	1/2	2,856.56	1/2	2,493.19
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,610.45	3/4	4,286.82	3/4	3,938.55	3/4	3,575.73	3/4	3,212.36	3/4	2,848.99	3/4	2,485.62
9		9		9		9		9	4,603.92	9	4,279.78	9	3,931.07	9	3,568.16	9	3,204.79	9	2,841.42	9	2,478.05
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,597.39	1/4	4,272.73	1/4	3,923.59	1/4	3,560.59	1/4	3,197.22	1/4	2,833.85	1/4	2,470.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,590.87	1/2	4,265.69	1/2	3,916.11	1/2	3,553.02	1/2	3,189.65	1/2	2,826.28	1/2	2,462.91
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,584.30	3/4	4,258.60	3/4	3,908.59	3/4	3,545.45	3/4	3,182.08	3/4	2,818.71	3/4	2,455.34
10		10		10		10		10	4,577.74	10	4,251.52	10	3,901.07	10	3,537.88	10	3,174.51	10	2,811.14	10	2,447.77
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,571.18	1/4	4,244.43	1/4	3,893.55	1/4	3,530.31	1/4	3,166.94	1/4	2,803.57	1/4	2,440.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,564.61	1/2	4,237.35	1/2	3,886.03	1/2	3,522.74	1/2	3,159.37	1/2	2,796.00	1/2	2,432.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,558.01	3/4	4,230.23	3/4	3,878.48	3/4	3,515.17	3/4	3,151.80	3/4	2,788.43	3/4	2,425.06
11		11		11		11		11	4,551.41	11	4,223.11	11	3,870.93	11	3,507.60	11	3,144.23	11	2,780.86	11	2,417.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,544.81	1/4	4,215.99	1/4	3,863.38	1/4	3,500.03	1/4	3,136.66	1/4	2,773.29	1/4	2,409.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,538.21	1/2	4,208.87	1/2	3,855.83	1/2	3,492.46	1/2	3,129.09	1/2	2,765.72	1/2	2,402.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,531.57	3/4	4,201.71	3/4	3,848.26	3/4	3,484.89	3/4	3,121.52	3/4	2,758.15	3/4	2,394.78

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 AT 2" RESTRICTED GAUGE.
 GAUGE POINT: (MANUAL) LOCATED 12'-10" OFF CENTERLINE AND 50'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 27722"

2 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,387.21	0	2,023.84	0	1,660.46	0	1,300.95	0	938.57	0	575.71	0	219.47	0		0		0	
1/4	2,379.64	1/4	2,016.27	1/4	1,652.89	1/4	1,293.38	1/4	931.02	1/4	568.37	1/4	211.92	1/4		1/4		1/4	
1/2	2,372.07	1/2	2,008.70	1/2	1,645.32	1/2	1,285.81	1/2	923.48	1/2	561.02	1/2	204.37	1/2		1/2		1/2	
3/4	2,364.50	3/4	2,001.13	3/4	1,637.75	3/4	1,278.24	3/4	915.92	3/4	554.12	3/4	196.83	3/4		3/4		3/4	
1	2,356.93	1	1,993.56	1	1,630.18	1	1,270.67	1	908.36	1	547.22	1	189.30	1		1		1	
1/4	2,349.36	1/4	1,985.99	1/4	1,622.61	1/4	1,263.09	1/4	900.80	1/4	540.32	1/4	181.76	1/4		1/4		1/4	
1/2	2,341.79	1/2	1,978.42	1/2	1,615.04	1/2	1,255.52	1/2	893.25	1/2	533.42	1/2	174.22	1/2		1/2		1/2	
3/4	2,334.22	3/4	1,970.85	3/4	1,607.46	3/4	1,247.95	3/4	885.68	3/4	526.52	3/4	166.90	3/4		3/4		3/4	
2	2,326.65	2	1,963.28	2	1,599.89	2	1,240.38	2	878.10	2	519.62	2	159.59	2		2		2	
1/4	2,319.08	1/4	1,955.71	1/4	1,592.32	1/4	1,232.81	1/4	870.53	1/4	512.72	1/4	152.27	1/4		1/4		1/4	
1/2	2,311.51	1/2	1,948.14	1/2	1,584.75	1/2	1,225.24	1/2	862.96	1/2	505.82	1/2	144.96	1/2		1/2		1/2	
3/4	2,303.94	3/4	1,940.57	3/4	1,577.18	3/4	1,217.68	3/4	855.39	3/4	498.48	3/4	138.09	3/4		3/4		3/4	
3	2,296.37	3	1,933.00	3	1,569.61	3	1,210.12	3	847.82	3	491.14	3	131.22	3		3		3	
1/4	2,288.80	1/4	1,925.43	1/4	1,562.04	1/4	1,202.56	1/4	840.25	1/4	483.80	1/4	124.35	1/4		1/4		1/4	
1/2	2,281.23	1/2	1,917.86	1/2	1,554.47	1/2	1,195.01	1/2	832.68	1/2	476.46	1/2	117.48	1/2		1/2		1/2	
3/4	2,273.66	3/4	1,910.28	3/4	1,546.90	3/4	1,187.46	3/4	825.11	3/4	468.91	3/4	110.62	3/4		3/4		3/4	
4	2,266.09	4	1,902.71	4	1,539.49	4	1,179.92	4	817.54	4	461.36	4	103.77	4		4		4	
1/4	2,258.52	1/4	1,895.14	1/4	1,532.00	1/4	1,172.37	1/4	809.97	1/4	453.81	1/4	96.91	1/4		1/4		1/4	
1/2	2,250.95	1/2	1,887.57	1/2	1,524.51	1/2	1,164.83	1/2	802.40	1/2	446.27	1/2	90.05	1/2		1/2		1/2	
3/4	2,243.38	3/4	1,880.00	3/4	1,517.10	3/4	1,157.29	3/4	794.83	3/4	438.72	3/4	82.78	3/4		3/4		3/4	
5	2,235.81	5	1,872.43	5	1,509.70	5	1,149.75	5	787.25	5	431.18	5	75.51	5		5		5	
1/4	2,228.24	1/4	1,864.86	1/4	1,502.29	1/4	1,142.21	1/4	779.68	1/4	423.64	1/4	68.24	1/4		1/4		1/4	
1/2	2,220.67	1/2	1,857.29	1/2	1,494.88	1/2	1,134.66	1/2	772.11	1/2	416.10	1/2	60.97	1/2		1/2		1/2	
3/4	2,213.10	3/4	1,849.72	3/4	1,487.47	3/4	1,127.12	3/4	764.54	3/4	408.55	3/4	54.08	3/4		3/4		3/4	
6	2,205.53	6	1,842.15	6	1,480.06	6	1,119.58	6	756.97	6	401.00	6	47.19	6		6		6	
1/4	2,197.96	1/4	1,834.58	1/4	1,472.65	1/4	1,112.04	1/4	749.40	1/4	393.46	1/4	40.30	1/4		1/4		1/4	
1/2	2,190.39	1/2	1,827.01	1/2	1,465.24	1/2	1,104.50	1/2	741.83	1/2	385.91	1/2	33.41	1/2		1/2		1/2	
3/4	2,182.82	3/4	1,819.44	3/4	1,457.84	3/4	1,096.95	3/4	734.26	3/4	378.35	3/4	28.37	3/4		3/4		3/4	
7	2,175.25	7	1,811.87	7	1,450.43	7	1,089.41	7	726.69	7	370.78	7	23.32	7		7		7	
1/4	2,167.67	1/4	1,804.30	1/4	1,443.02	1/4	1,081.87	1/4	719.12	1/4	363.22	1/4	18.28	1/4		1/4		1/4	
1/2	2,160.10	1/2	1,796.73	1/2	1,435.61	1/2	1,074.33	1/2	711.55	1/2	355.66	1/2	13.23	1/2		1/2		1/2	
3/4	2,152.53	3/4	1,789.16	3/4	1,428.20	3/4	1,066.79	3/4	703.98	3/4	348.09	3/4		3/4		3/4		3/4	
8	2,144.96	8	1,781.59	8	1,420.79	8	1,059.24	8	696.41	8	340.52	8		8		8		8	
1/4	2,137.39	1/4	1,774.02	1/4	1,413.38	1/4	1,051.70	1/4	688.83	1/4	332.95	1/4		1/4		1/4		1/4	
1/2	2,129.82	1/2	1,766.45	1/2	1,405.97	1/2	1,044.16	1/2	681.26	1/2	325.38	1/2		1/2		1/2		1/2	
3/4	2,122.25	3/4	1,758.87	3/4	1,398.57	3/4	1,036.62	3/4	673.69	3/4	317.81	3/4		3/4		3/4		3/4	
9	2,114.68	9	1,751.30	9	1,391.16	9	1,029.08	9	666.12	9	310.24	9		9		9		9	
1/4	2,107.11	1/4	1,743.73	1/4	1,383.75	1/4	1,021.53	1/4	658.55	1/4	302.67	1/4		1/4		1/4		1/4	
1/2	2,099.54	1/2	1,736.16	1/2	1,376.34	1/2	1,013.99	1/2	650.98	1/2	295.10	1/2		1/2		1/2		1/2	
3/4	2,091.97	3/4	1,728.59	3/4	1,368.85	3/4	1,006.45	3/4	643.41	3/4	287.53	3/4		3/4		3/4		3/4	
10	2,084.40	10	1,721.02	10	1,361.36	10	998.91	10	635.84	10	279.96	10		10		10		10	
1/4	2,076.83	1/4	1,713.45	1/4	1,353.87	1/4	991.37	1/4	628.27	1/4	272.39	1/4		1/4		1/4		1/4	
1/2	2,069.26	1/2	1,705.88	1/2	1,346.38	1/2	983.82	1/2	620.69	1/2	264.82	1/2		1/2		1/2		1/2	
3/4	2,061.69	3/4	1,698.31	3/4	1,338.81	3/4	976.28	3/4	613.12	3/4	257.25	3/4		3/4		3/4		3/4	
11	2,054.12	11	1,690.74	11	1,331.23	11	968.74	11	605.55	11	249.69	11		11		11		11	
1/4	2,046.55	1/4	1,683.17	1/4	1,323.66	1/4	961.20	1/4	597.98	1/4	242.13	1/4		1/4		1/4		1/4	
1/2	2,038.98	1/2	1,675.60	1/2	1,316.09	1/2	953.66	1/2	590.41	1/2	234.57	1/2		1/2		1/2		1/2	
3/4	2,031.41	3/4	1,668.03	3/4	1,308.52	3/4	946.11	3/4	583.06	3/4	227.02	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/24/2005 CL - SW
CALCULATED: 02/24/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2005

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



BARGE "KIRBY 27722"

3 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 5/8"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN			
0		0		0		0		0	3,930.94	0	3,754.74	0	3,564.69	0	3,366.78	0	3,007.59	0	2,644.56		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,927.42	1/4	3,750.90	1/4	3,560.62	1/4	3,360.95	1/4	3,000.03	1/4	2,636.99		
1/2	1/2	1/2	1/2	1/2	1/2	5/8	5/8	1/2	4,093.37	1/2	3,923.89	1/2	3,747.05	1/2	3,556.56	1/2	3,355.12	1/2	2,992.47	1/2	2,629.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,091.73	3/4	3,920.36	3/4	3,743.19	3/4	3,552.49	3/4	3,348.42	3/4	2,984.90	3/4	2,621.87
1		1		1		1		1	4,088.46	1	3,916.81	1	3,739.33	1	3,548.42	1	3,340.83	1	2,977.34	1	2,614.30
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,085.19	1/4	3,913.27	1/4	3,735.46	1/4	3,544.35	1/4	3,333.25	1/4	2,969.78	1/4	2,606.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,081.91	1/2	3,909.72	1/2	3,731.59	1/2	3,540.28	1/2	3,325.66	1/2	2,962.21	1/2	2,599.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,078.33	3/4	3,906.17	3/4	3,727.72	3/4	3,536.22	3/4	3,318.08	3/4	2,954.65	3/4	2,591.61
2		2		2		2		2	4,074.42	2	3,902.61	2	3,723.83	2	3,532.15	2	3,310.49	2	2,947.09	2	2,584.05
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,070.52	1/4	3,899.05	1/4	3,719.94	1/4	3,528.08	1/4	3,302.90	1/4	2,939.52	1/4	2,576.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,066.61	1/2	3,895.48	1/2	3,716.06	1/2	3,524.01	1/2	3,295.32	1/2	2,931.96	1/2	2,568.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,062.67	3/4	3,891.91	3/4	3,712.16	3/4	3,519.94	3/4	3,287.73	3/4	2,924.40	3/4	2,561.36
3		3		3		3		3	4,058.68	3	3,888.33	3	3,708.26	3	3,515.87	3	3,280.15	3	2,916.83	3	2,553.80
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,054.70	1/4	3,884.75	1/4	3,704.35	1/4	3,511.81	1/4	3,272.56	1/4	2,909.27	1/4	2,546.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,050.72	1/2	3,881.16	1/2	3,700.45	1/2	3,507.74	1/2	3,264.98	1/2	2,901.71	1/2	2,538.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,046.81	3/4	3,877.57	3/4	3,696.53	3/4	3,503.67	3/4	3,257.39	3/4	2,894.14	3/4	2,531.11
4		4		4		4		4	4,042.97	4	3,873.97	4	3,692.61	4	3,499.60	4	3,249.80	4	2,886.58	4	2,523.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,039.14	1/4	3,870.37	1/4	3,688.69	1/4	3,495.53	1/4	3,242.22	1/4	2,879.02	1/4	2,515.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,035.30	1/2	3,866.76	1/2	3,684.77	1/2	3,491.46	1/2	3,234.63	1/2	2,871.45	1/2	2,508.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,031.62	3/4	3,863.15	3/4	3,680.83	3/4	3,487.40	3/4	3,227.05	3/4	2,863.89	3/4	2,500.85
5		5		5		5		5	4,028.07	5	3,859.53	5	3,676.89	5	3,483.33	5	3,219.46	5	2,856.33	5	2,493.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,024.53	1/4	3,855.91	1/4	3,672.95	1/4	3,479.26	1/4	3,211.88	1/4	2,848.76	1/4	2,485.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,020.99	1/2	3,852.28	1/2	3,669.01	1/2	3,475.19	1/2	3,204.29	1/2	2,841.20	1/2	2,478.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,017.51	3/4	3,848.65	3/4	3,665.06	3/4	3,471.12	3/4	3,196.71	3/4	2,833.64	3/4	2,470.60
6		6		6		6		6	4,014.11	6	3,845.01	6	3,661.10	6	3,467.05	6	3,189.14	6	2,826.07	6	2,463.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,010.70	1/4	3,841.37	1/4	3,657.14	1/4	3,462.99	1/4	3,181.56	1/4	2,818.51	1/4	2,455.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,007.29	1/2	3,837.73	1/2	3,653.18	1/2	3,458.92	1/2	3,173.99	1/2	2,810.95	1/2	2,447.91
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,003.87	3/4	3,834.06	3/4	3,649.21	3/4	3,454.85	3/4	3,166.42	3/4	2,803.38	3/4	2,440.35
7		7		7		7		7	4,000.44	7	3,830.38	7	3,645.22	7	3,450.78	7	3,158.86	7	2,795.82	7	2,432.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,997.02	1/4	3,826.70	1/4	3,641.24	1/4	3,446.71	1/4	3,151.30	1/4	2,788.26	1/4	2,425.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,993.59	1/2	3,823.01	1/2	3,637.26	1/2	3,442.64	1/2	3,143.73	1/2	2,780.69	1/2	2,417.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,990.15	3/4	3,819.30	3/4	3,633.27	3/4	3,438.58	3/4	3,136.17	3/4	2,773.13	3/4	2,410.09
8		8		8		8		8	3,986.70	8	3,815.55	8	3,629.27	8	3,434.51	8	3,128.61	8	2,765.57	8	2,402.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,983.26	1/4	3,811.81	1/4	3,625.27	1/4	3,430.44	1/4	3,121.04	1/4	2,758.00	1/4	2,394.97
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,979.81	1/2	3,808.06	1/2	3,621.27	1/2	3,426.37	1/2	3,113.48	1/2	2,750.44	1/2	2,387.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,976.35	3/4	3,804.30	3/4	3,617.26	3/4	3,422.30	3/4	3,105.92	3/4	2,742.88	3/4	2,379.84
9		9		9		9		9	3,972.88	9	3,800.51	9	3,613.24	9	3,418.23	9	3,098.35	9	2,735.31	9	2,372.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,969.42	1/4	3,796.72	1/4	3,609.22	1/4	3,414.17	1/4	3,090.79	1/4	2,727.75	1/4	2,364.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,965.95	1/2	3,792.94	1/2	3,605.19	1/2	3,410.10	1/2	3,083.23	1/2	2,720.19	1/2	2,357.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,962.47	3/4	3,789.14	3/4	3,601.16	3/4	3,406.03	3/4	3,075.66	3/4	2,712.62	3/4	2,349.59
10		10		10		10		10	3,958.98	10	3,785.33	10	3,597.12	10	3,401.96	10	3,068.10	10	2,705.06	10	2,342.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,955.49	1/4	3,781.53	1/4	3,593.08	1/4	3,397.89	1/4	3,060.54	1/4	2,697.50	1/4	2,334.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,952.01	1/2	3,777.72	1/2	3,589.04	1/2	3,393.82	1/2	3,052.97	1/2	2,689.93	1/2	2,326.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,948.51	3/4	3,773.90	3/4	3,584.99	3/4	3,389.76	3/4	3,045.41	3/4	2,682.37	3/4	2,319.33
11		11		11		11		11	3,945.00	11	3,770.08	11	3,580.93	11	3,385.69	11	3,037.85	11	2,674.81	11	2,311.77
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,941.49	1/4	3,766.25	1/4	3,576.88	1/4	3,381.62	1/4	3,030.28	1/4	2,667.25	1/4	2,304.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,937.99	1/2	3,762.42	1/2	3,572.82	1/2	3,377.55	1/2	3,022.72	1/2	2,659.68	1/2	2,296.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,934.47	3/4	3,758.59	3/4	3,568.76	3/4	3,372.60	3/4	3,015.16	3/4	2,652.12	3/4	2,289.08

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 AT 2" RESTRICTED GAUGE.
 GAUGE POINT: (MANUAL) LOCATED 12'-10" OFF CENTERLINE AND 50'-10" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 27722"

3 PORT ULLAGE TABLE

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

GUAGE HEIGHT 16'-05 5/8"

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	2,281.52	0	1,918.48	0	1,555.51	0	1,197.00	0	843.35	0	488.21	0	132.69	0		0		0	
1/4	2,273.95	1/4	1,910.91	1/4	1,547.97	1/4	1,189.45	1/4	836.02	1/4	480.87	1/4	125.46	1/4		1/4		1/4	
1/2	2,266.39	1/2	1,903.35	1/2	1,540.43	1/2	1,181.90	1/2	828.69	1/2	473.52	1/2	118.23	1/2		1/2		1/2	
3/4	2,258.83	3/4	1,895.79	3/4	1,532.89	3/4	1,174.35	3/4	821.35	3/4	466.40	3/4	111.48	3/4		3/4		3/4	
1	2,251.26	1	1,888.22	1	1,525.35	1	1,166.80	1	814.01	1	459.51	1	105.21	1		1		1	
1/4	2,243.70	1/4	1,880.66	1/4	1,517.81	1/4	1,159.26	1/4	806.66	1/4	452.61	1/4	98.94	1/4		1/4		1/4	
1/2	2,236.14	1/2	1,873.10	1/2	1,510.27	1/2	1,151.71	1/2	799.32	1/2	445.72	1/2	92.67	1/2		1/2		1/2	
3/4	2,228.57	3/4	1,865.53	3/4	1,502.73	3/4	1,144.21	3/4	791.96	3/4	438.82	3/4	87.14	3/4		3/4		3/4	
2	2,221.01	2	1,857.97	2	1,495.19	2	1,136.77	2	784.61	2	431.92	2	82.36	2		2		2	
1/4	2,213.45	1/4	1,850.41	1/4	1,487.65	1/4	1,129.33	1/4	777.25	1/4	425.03	1/4	77.57	1/4		1/4		1/4	
1/2	2,205.88	1/2	1,842.84	1/2	1,480.11	1/2	1,121.88	1/2	769.89	1/2	418.13	1/2	72.79	1/2		1/2		1/2	
3/4	2,198.32	3/4	1,835.28	3/4	1,472.57	3/4	1,114.49	3/4	762.53	3/4	411.01	3/4	68.86	3/4		3/4		3/4	
3	2,190.76	3	1,827.72	3	1,465.03	3	1,107.16	3	755.18	3	403.68	3	65.79	3		3		3	
1/4	2,183.19	1/4	1,820.15	1/4	1,457.49	1/4	1,099.83	1/4	747.82	1/4	396.34	1/4	62.72	1/4		1/4		1/4	
1/2	2,175.63	1/2	1,812.59	1/2	1,449.95	1/2	1,092.49	1/2	740.46	1/2	389.00	1/2	59.65	1/2		1/2		1/2	
3/4	2,168.07	3/4	1,805.03	3/4	1,442.45	3/4	1,085.16	3/4	733.10	3/4	381.56	3/4	57.21	3/4		3/4		3/4	
4	2,160.50	4	1,797.46	4	1,435.00	4	1,077.83	4	725.75	4	374.02	4	55.42	4		4		4	
1/4	2,152.94	1/4	1,789.90	1/4	1,427.54	1/4	1,070.50	1/4	718.39	1/4	366.47	1/4	53.62	1/4		1/4		1/4	
1/2	2,145.38	1/2	1,782.34	1/2	1,420.08	1/2	1,063.18	1/2	711.03	1/2	358.92	1/2	51.82	1/2		1/2		1/2	
3/4	2,137.81	3/4	1,774.77	3/4	1,412.65	3/4	1,055.85	3/4	703.67	3/4	351.38	3/4	50.45	3/4		3/4		3/4	
5	2,130.25	5	1,767.21	5	1,405.26	5	1,048.52	5	696.31	5	343.84	5	49.51	5		5		5	
1/4	2,122.69	1/4	1,759.65	1/4	1,397.87	1/4	1,041.20	1/4	688.96	1/4	336.31	1/4	48.56	1/4		1/4		1/4	
1/2	2,115.12	1/2	1,752.08	1/2	1,390.48	1/2	1,033.87	1/2	681.60	1/2	328.77	1/2	47.62	1/2		1/2		1/2	
3/4	2,107.56	3/4	1,744.52	3/4	1,383.09	3/4	1,026.54	3/4	674.24	3/4	321.23	3/4	47.14	3/4		3/4		3/4	
6	2,100.00	6	1,736.95	6	1,375.68	6	1,019.22	6	666.88	6	313.68	6		6		6		6	
1/4	2,092.43	1/4	1,729.39	1/4	1,368.28	1/4	1,011.89	1/4	659.53	1/4	306.13	1/4		1/4		1/4		1/4	
1/2	2,084.87	1/2	1,721.83	1/2	1,360.88	1/2	1,004.56	1/2	652.17	1/2	298.59	1/2		1/2		1/2		1/2	
3/4	2,077.31	3/4	1,714.26	3/4	1,353.48	3/4	997.24	3/4	644.81	3/4	291.04	3/4		3/4		3/4		3/4	
7	2,069.74	7	1,706.70	7	1,346.07	7	989.91	7	637.45	7	283.48	7		7		7		7	
1/4	2,062.18	1/4	1,699.14	1/4	1,338.67	1/4	982.58	1/4	630.10	1/4	275.92	1/4		1/4		1/4		1/4	
1/2	2,054.62	1/2	1,691.57	1/2	1,331.27	1/2	975.26	1/2	622.74	1/2	268.36	1/2		1/2		1/2		1/2	
3/4	2,047.05	3/4	1,684.01	3/4	1,323.87	3/4	967.93	3/4	615.38	3/4	260.79	3/4		3/4		3/4		3/4	
8	2,039.49	8	1,676.45	8	1,316.46	8	960.61	8	608.02	8	253.23	8		8		8		8	
1/4	2,031.93	1/4	1,668.88	1/4	1,309.06	1/4	953.28	1/4	600.67	1/4	245.66	1/4		1/4		1/4		1/4	
1/2	2,024.36	1/2	1,661.32	1/2	1,301.66	1/2	945.95	1/2	593.31	1/2	238.09	1/2		1/2		1/2		1/2	
3/4	2,016.80	3/4	1,653.76	3/4	1,294.26	3/4	938.63	3/4	585.90	3/4	230.52	3/4		3/4		3/4		3/4	
9	2,009.24	9	1,646.19	9	1,286.87	9	931.30	9	578.44	9	222.96	9		9		9		9	
1/4	2,001.67	1/4	1,638.63	1/4	1,279.47	1/4	923.97	1/4	570.97	1/4	215.39	1/4		1/4		1/4		1/4	
1/2	1,994.11	1/2	1,631.07	1/2	1,272.08	1/2	916.64	1/2	563.51	1/2	207.82	1/2		1/2		1/2		1/2	
3/4	1,986.55	3/4	1,623.50	3/4	1,264.65	3/4	909.31	3/4	555.99	3/4	200.26	3/4		3/4		3/4		3/4	
10	1,978.98	10	1,615.94	10	1,257.18	10	901.99	10	548.42	10	192.69	10		10		10		10	
1/4	1,971.42	1/4	1,608.38	1/4	1,249.71	1/4	894.66	1/4	540.86	1/4	185.12	1/4		1/4		1/4		1/4	
1/2	1,963.86	1/2	1,600.81	1/2	1,242.25	1/2	887.33	1/2	533.29	1/2	177.55	1/2		1/2		1/2		1/2	
3/4	1,956.29	3/4	1,593.25	3/4	1,234.74	3/4	880.00	3/4	525.72	3/4	169.99	3/4		3/4		3/4		3/4	
11	1,948.73	11	1,585.70	11	1,227.19	11	872.67	11	518.15	11	162.43	11		11		11		11	
1/4	1,941.17	1/4	1,578.15	1/4	1,219.64	1/4	865.34	1/4	510.58	1/4	154.87	1/4		1/4		1/4		1/4	
1/2	1,933.60	1/2	1,570.60	1/2	1,212.09	1/2	858.01	1/2	503.01	1/2	147.31	1/2		1/2		1/2		1/2	
3/4	1,926.04	3/4	1,563.05	3/4	1,204.55	3/4	850.68	3/4	495.56	3/4	139.92	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/24/2005 CL - SW
CALCULATED: 02/24/2005 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2005

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 27722"

3 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 7/8"

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	2,312.42	0	1,948.31	0	1,584.19	0	1,223.94	0	860.78	0	496.90	0	140.38	0		0		0	
1/4	2,304.83	1/4	1,940.72	1/4	1,576.60	1/4	1,216.36	1/4	853.22	1/4	489.53	1/4	133.13	1/4		1/4		1/4	
1/2	2,297.25	1/2	1,933.14	1/2	1,569.01	1/2	1,208.77	1/2	845.66	1/2	482.17	1/2	125.89	1/2		1/2		1/2	
3/4	2,289.66	3/4	1,925.55	3/4	1,561.43	3/4	1,201.18	3/4	838.10	3/4	474.81	3/4	118.64	3/4		3/4		3/4	
1	2,282.08	1	1,917.96	1	1,553.84	1	1,193.60	1	830.54	1	467.67	1	111.87	1		1		1	
1/4	2,274.49	1/4	1,910.38	1/4	1,546.26	1/4	1,186.01	1/4	822.96	1/4	460.76	1/4	105.58	1/4		1/4		1/4	
1/2	2,266.90	1/2	1,902.79	1/2	1,538.67	1/2	1,178.42	1/2	815.39	1/2	453.84	1/2	99.29	1/2		1/2		1/2	
3/4	2,259.32	3/4	1,895.21	3/4	1,531.08	3/4	1,170.84	3/4	807.82	3/4	446.93	3/4	93.00	3/4		3/4		3/4	
2	2,251.73	2	1,887.62	2	1,523.50	2	1,163.25	2	800.24	2	440.01	2	87.46	2		2		2	
1/4	2,244.15	1/4	1,880.04	1/4	1,515.91	1/4	1,155.66	1/4	792.65	1/4	433.10	1/4	82.66	1/4		1/4		1/4	
1/2	2,236.56	1/2	1,872.45	1/2	1,508.33	1/2	1,148.08	1/2	785.07	1/2	426.18	1/2	77.86	1/2		1/2		1/2	
3/4	2,228.98	3/4	1,864.86	3/4	1,500.74	3/4	1,140.49	3/4	777.48	3/4	419.27	3/4	73.05	3/4		3/4		3/4	
3	2,221.39	3	1,857.28	3	1,493.15	3	1,132.91	3	769.89	3	412.13	3	69.11	3		3		3	
1/4	2,213.80	1/4	1,849.69	1/4	1,485.57	1/4	1,125.34	1/4	762.31	1/4	404.78	1/4	66.02	1/4		1/4		1/4	
1/2	2,206.22	1/2	1,842.11	1/2	1,477.98	1/2	1,117.76	1/2	754.72	1/2	397.42	1/2	62.93	1/2		1/2		1/2	
3/4	2,198.63	3/4	1,834.52	3/4	1,470.40	3/4	1,110.19	3/4	747.13	3/4	390.07	3/4	59.84	3/4		3/4		3/4	
4	2,191.05	4	1,826.93	4	1,462.85	4	1,102.62	4	739.55	4	382.61	4	57.38	4		4		4	
1/4	2,183.46	1/4	1,819.35	1/4	1,455.35	1/4	1,095.06	1/4	731.96	1/4	375.04	1/4	55.57	1/4		1/4		1/4	
1/2	2,175.88	1/2	1,811.76	1/2	1,447.84	1/2	1,087.50	1/2	724.38	1/2	367.48	1/2	53.76	1/2		1/2		1/2	
3/4	2,168.29	3/4	1,804.18	3/4	1,440.34	3/4	1,079.95	3/4	716.79	3/4	359.92	3/4	51.94	3/4		3/4		3/4	
5	2,160.71	5	1,796.59	5	1,432.87	5	1,072.39	5	709.20	5	352.36	5	50.55	5		5		5	
1/4	2,153.12	1/4	1,789.00	1/4	1,425.45	1/4	1,064.83	1/4	701.62	1/4	344.80	1/4	49.59	1/4		1/4		1/4	
1/2	2,145.53	1/2	1,781.42	1/2	1,418.02	1/2	1,057.27	1/2	694.03	1/2	337.24	1/2	48.63	1/2		1/2		1/2	
3/4	2,137.95	3/4	1,773.83	3/4	1,410.60	3/4	1,049.72	3/4	686.44	3/4	329.69	3/4	47.66	3/4		3/4		3/4	
6	2,130.36	6	1,766.25	6	1,403.18	6	1,042.16	6	678.86	6	322.13	5 7/8	47.18	6		6		6	
1/4	2,122.78	1/4	1,758.66	1/4	1,395.75	1/4	1,034.60	1/4	671.27	1/4	314.56	1/4		1/4		1/4		1/4	
1/2	2,115.19	1/2	1,751.08	1/2	1,388.33	1/2	1,027.04	1/2	663.69	1/2	307.00	1/2		1/2		1/2		1/2	
3/4	2,107.61	3/4	1,743.49	3/4	1,380.91	3/4	1,019.49	3/4	656.10	3/4	299.44	3/4		3/4		3/4		3/4	
7	2,100.02	7	1,735.90	7	1,373.48	7	1,011.93	7	648.51	7	291.87	7		7		7		7	
1/4	2,092.43	1/4	1,728.32	1/4	1,366.06	1/4	1,004.37	1/4	640.93	1/4	284.29	1/4		1/4		1/4		1/4	
1/2	2,084.85	1/2	1,720.73	1/2	1,358.63	1/2	996.82	1/2	633.34	1/2	276.71	1/2		1/2		1/2		1/2	
3/4	2,077.26	3/4	1,713.15	3/4	1,351.21	3/4	989.26	3/4	625.75	3/4	269.13	3/4		3/4		3/4		3/4	
8	2,069.68	8	1,705.56	8	1,343.79	8	981.70	8	618.17	8	261.55	8		8		8		8	
1/4	2,062.09	1/4	1,697.97	1/4	1,336.36	1/4	974.14	1/4	610.58	1/4	253.96	1/4		1/4		1/4		1/4	
1/2	2,054.51	1/2	1,690.39	1/2	1,328.94	1/2	966.59	1/2	603.00	1/2	246.38	1/2		1/2		1/2		1/2	
3/4	2,046.92	3/4	1,682.80	3/4	1,321.51	3/4	959.03	3/4	595.41	3/4	238.79	3/4		3/4		3/4		3/4	
9	2,039.33	9	1,675.22	9	1,314.09	9	951.47	9	587.82	9	231.21	9		9		9		9	
1/4	2,031.75	1/4	1,667.63	1/4	1,306.67	1/4	943.91	1/4	580.24	1/4	223.62	1/4		1/4		1/4		1/4	
1/2	2,024.16	1/2	1,660.04	1/2	1,299.24	1/2	936.36	1/2	572.65	1/2	216.04	1/2		1/2		1/2		1/2	
3/4	2,016.58	3/4	1,652.46	3/4	1,291.82	3/4	928.80	3/4	565.06	3/4	208.45	3/4		3/4		3/4		3/4	
10	2,008.99	10	1,644.87	10	1,284.35	10	921.24	10	557.48	10	200.87	10		10		10		10	
1/4	2,001.41	1/4	1,637.29	1/4	1,276.85	1/4	913.68	1/4	549.89	1/4	193.28	1/4		1/4		1/4		1/4	
1/2	1,993.82	1/2	1,629.70	1/2	1,269.34	1/2	906.13	1/2	542.31	1/2	185.70	1/2		1/2		1/2		1/2	
3/4	1,986.23	3/4	1,622.11	3/4	1,261.83	3/4	898.57	3/4	534.72	3/4	178.11	3/4		3/4		3/4		3/4	
11	1,978.65	11	1,614.53	11	1,254.29	11	891.01	11	527.13	11	170.53	11		11		11		11	
1/4	1,971.06	1/4	1,606.94	1/4	1,246.70	1/4	883.46	1/4	519.55	1/4	162.95	1/4		1/4		1/4		1/4	
1/2	1,963.48	1/2	1,599.36	1/2	1,239.12	1/2	875.90	1/2	511.96	1/2	155.37	1/2		1/2		1/2		1/2	
3/4	1,955.89	3/4	1,591.77	3/4	1,231.53	3/4	868.34	3/4	504.37	3/4	147.79	3/4		3/4		3/4		3/4	

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