



BARGE "KIRBY 28721"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 241'-03"

January 14, 2007

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28721"

1 PORT 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		IN	
0		0		0		0		0	4,529.90	0	4,186.50	0	3,825.19	0	3,459.20	0	3,093.20	0	2,727.17		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,841.41	1/4	4,522.93	1/4	4,179.14	1/4	3,817.57	1/4	3,451.57	1/4	3,085.58	1/4	2,719.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,836.96	1/2	4,515.96	1/2	4,171.78	1/2	3,809.94	1/2	3,443.95	1/2	3,077.95	1/2	2,711.91
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,832.51	3/4	4,509.00	3/4	4,164.43	3/4	3,802.32	3/4	3,436.32	3/4	3,070.33	3/4	2,704.28
1		1		1		1		1	4,826.79	1	4,502.00	1	4,157.04	1	3,794.69	1	3,428.70	1	3,062.70	1	2,696.65
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,821.07	1/4	4,495.00	1/4	4,149.65	1/4	3,787.07	1/4	3,421.07	1/4	3,055.08	1/4	2,689.02
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,815.35	1/2	4,488.00	1/2	4,142.26	1/2	3,779.44	1/2	3,413.45	1/2	3,047.45	1/2	2,681.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,809.63	3/4	4,481.00	3/4	4,134.87	3/4	3,771.82	3/4	3,405.82	3/4	3,039.83	3/4	2,673.77
2		2		2		2		2	4,802.64	2	4,473.96	2	4,127.45	2	3,764.19	2	3,398.20	2	3,032.20	2	2,666.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,795.64	1/4	4,466.93	1/4	4,120.02	1/4	3,756.57	1/4	3,390.57	1/4	3,024.58	1/4	2,658.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,788.65	1/2	4,459.90	1/2	4,112.60	1/2	3,748.94	1/2	3,382.95	1/2	3,016.95	1/2	2,650.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,781.66	3/4	4,452.87	3/4	4,105.18	3/4	3,741.32	3/4	3,375.32	3/4	3,009.33	3/4	2,643.25
3		3		3		3		3	4,775.02	3	4,445.80	3	4,097.73	3	3,733.69	3	3,367.70	3	3,001.70	3	2,635.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,768.38	1/4	4,438.74	1/4	4,090.27	1/4	3,726.07	1/4	3,360.07	1/4	2,994.08	1/4	2,627.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,761.74	1/2	4,431.67	1/2	4,082.82	1/2	3,718.44	1/2	3,352.45	1/2	2,986.45	1/2	2,620.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,755.10	3/4	4,424.61	3/4	4,075.36	3/4	3,710.82	3/4	3,344.82	3/4	2,978.83	3/4	2,612.73
4		4		4		4		4	4,748.41	4	4,417.51	4	4,067.88	4	3,703.19	4	3,337.20	4	2,971.20	4	2,605.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,741.71	1/4	4,410.41	1/4	4,060.39	1/4	3,695.57	1/4	3,329.57	1/4	2,963.58	1/4	2,597.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,735.01	1/2	4,403.32	1/2	4,052.90	1/2	3,687.94	1/2	3,321.95	1/2	2,955.95	1/2	2,589.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,728.31	3/4	4,396.22	3/4	4,045.41	3/4	3,680.32	3/4	3,314.32	3/4	2,948.33	3/4	2,582.22
5		5		5		5		5	4,721.58	5	4,389.09	5	4,037.89	5	3,672.69	5	3,306.70	5	2,940.70	5	2,574.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,714.84	1/4	4,381.96	1/4	4,030.38	1/4	3,665.07	1/4	3,299.07	1/4	2,933.08	1/4	2,566.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,708.10	1/2	4,374.83	1/2	4,022.86	1/2	3,657.44	1/2	3,291.45	1/2	2,925.45	1/2	2,559.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,701.36	3/4	4,367.70	3/4	4,015.34	3/4	3,649.82	3/4	3,283.82	3/4	2,917.83	3/4	2,551.70
6		6		6		6		6	4,694.59	6	4,360.54	6	4,007.78	6	3,642.19	6	3,276.20	6	2,910.20	6	2,544.07
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,687.82	1/4	4,353.37	1/4	4,000.23	1/4	3,634.57	1/4	3,268.57	1/4	2,902.58	1/4	2,536.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,681.04	1/2	4,346.21	1/2	3,992.68	1/2	3,626.94	1/2	3,260.95	1/2	2,894.95	1/2	2,528.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,674.27	3/4	4,339.05	3/4	3,985.13	3/4	3,619.32	3/4	3,253.32	3/4	2,887.33	3/4	2,521.19
7		7		7		7		7	4,667.47	7	4,331.85	7	3,977.54	7	3,611.70	7	3,245.70	7	2,879.70	7	2,513.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,660.66	1/4	4,324.66	1/4	3,969.96	1/4	3,604.07	1/4	3,238.08	1/4	2,872.08	1/4	2,505.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,653.85	1/2	4,317.46	1/2	3,962.38	1/2	3,596.45	1/2	3,230.45	1/2	2,864.45	1/2	2,498.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,647.05	3/4	4,310.27	3/4	3,954.79	3/4	3,588.82	3/4	3,222.83	3/4	2,856.83	3/4	2,490.67
8		8		8		8		8	4,640.21	8	4,303.04	8	3,947.17	8	3,581.20	8	3,215.20	8	2,849.21	8	2,483.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,633.37	1/4	4,295.82	1/4	3,939.55	1/4	3,573.57	1/4	3,207.58	1/4	2,841.58	1/4	2,475.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,626.54	1/2	4,288.59	1/2	3,931.93	1/2	3,565.95	1/2	3,199.95	1/2	2,833.96	1/2	2,467.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,619.70	3/4	4,281.36	3/4	3,924.32	3/4	3,558.32	3/4	3,192.33	3/4	2,826.33	3/4	2,460.15
9		9		9		9		9	4,612.83	9	4,274.10	9	3,916.69	9	3,550.70	9	3,184.70	9	2,818.71	9	2,452.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,605.96	1/4	4,266.84	1/4	3,909.07	1/4	3,543.07	1/4	3,177.08	1/4	2,811.08	1/4	2,444.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,599.09	1/2	4,259.58	1/2	3,901.44	1/2	3,535.45	1/2	3,169.45	1/2	2,803.46	1/2	2,437.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,592.22	3/4	4,252.32	3/4	3,893.82	3/4	3,527.82	3/4	3,161.83	3/4	2,795.83	3/4	2,429.64
10		10		10		10		10	4,585.32	10	4,245.03	10	3,886.19	10	3,520.20	10	3,154.20	10	2,788.20	10	2,422.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,578.41	1/4	4,237.74	1/4	3,878.57	1/4	3,512.57	1/4	3,146.58	1/4	2,780.57	1/4	2,414.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,571.51	1/2	4,230.45	1/2	3,870.94	1/2	3,504.95	1/2	3,138.95	1/2	2,772.94	1/2	2,406.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,564.61	3/4	4,223.15	3/4	3,863.32	3/4	3,497.32	3/4	3,131.33	3/4	2,765.31	3/4	2,399.12
11		11		11		11		11	4,557.67	11	4,215.83	11	3,855.69	11	3,489.70	11	3,123.70	11	2,757.69	11	2,391.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,550.74	1/4	4,208.50	1/4	3,848.07	1/4	3,482.07	1/4	3,116.08	1/4	2,750.06	1/4	2,383.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,543.80	1/2	4,201.18	1/2	3,840.44	1/2	3,474.45	1/2	3,108.45	1/2	2,742.43	1/2	2,376.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,536.87	3/4	4,193.86	3/4	3,832.82	3/4	3,466.82	3/4	3,100.83	3/4	2,734.80	3/4	2,368.61

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-10" OFF CENTERLINE AND 52'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28721"

1 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,360.98	0	1,994.79	0	1,628.59	0	1,262.40	0	897.03	0	530.95	0	180.75	0		0		0	
1/4	2,353.35	1/4	1,987.16	1/4	1,620.96	1/4	1,254.77	1/4	889.42	1/4	523.32	1/4	174.23	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,345.72	1/2	1,979.53	1/2	1,613.34	1/2	1,247.14	1/2	881.80	1/2	515.69	1/2	167.72	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,338.09	3/4	1,971.90	3/4	1,605.71	3/4	1,239.51	3/4	874.19	3/4	508.06	3/4	161.21	3/4	3/4	3/4	3/4	3/4	3/4
1	2,330.46	1	1,964.27	1	1,598.08	1	1,231.89	1	866.57	1	500.43	1	154.79	1		1		1	
1/4	2,322.83	1/4	1,956.64	1/4	1,590.45	1/4	1,224.26	1/4	858.96	1/4	492.80	1/4	148.37	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,315.20	1/2	1,949.01	1/2	1,582.82	1/2	1,216.63	1/2	851.34	1/2	485.17	1/2	141.95	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,307.57	3/4	1,941.38	3/4	1,575.19	3/4	1,209.00	3/4	843.73	3/4	477.55	3/4	135.53	3/4	3/4	3/4	3/4	3/4	3/4
2	2,299.95	2	1,933.75	2	1,567.56	2	1,201.37	2	836.10	2	469.92	2	129.22	2		2		2	
1/4	2,292.32	1/4	1,926.12	1/4	1,559.93	1/4	1,193.74	1/4	828.47	1/4	462.29	1/4	122.90	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,284.69	1/2	1,918.50	1/2	1,552.30	1/2	1,186.11	1/2	820.84	1/2	454.66	1/2	116.58	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,277.06	3/4	1,910.87	3/4	1,544.67	3/4	1,178.48	3/4	813.21	3/4	447.03	3/4	110.26	3/4	3/4	3/4	3/4	3/4	3/4
3	2,269.43	3	1,903.24	3	1,537.05	3	1,170.85	3	805.58	3	439.45	3	104.05	3		3		3	
1/4	2,261.80	1/4	1,895.61	1/4	1,529.42	1/4	1,163.22	1/4	797.96	1/4	431.86	1/4	97.84	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,254.17	1/2	1,887.98	1/2	1,521.79	1/2	1,155.60	1/2	790.33	1/2	424.28	1/2	91.62	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,246.54	3/4	1,880.35	3/4	1,514.16	3/4	1,147.97	3/4	782.70	3/4	416.70	3/4	85.41	3/4	3/4	3/4	3/4	3/4	3/4
4	2,238.91	4	1,872.72	4	1,506.53	4	1,140.38	4	775.07	4	409.20	4	79.30	4		4		4	
1/4	2,231.28	1/4	1,865.09	1/4	1,498.90	1/4	1,132.79	1/4	767.44	1/4	401.71	1/4	73.19	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,223.66	1/2	1,857.46	1/2	1,491.27	1/2	1,125.21	1/2	759.81	1/2	394.22	1/2	67.08	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,216.03	3/4	1,849.83	3/4	1,483.64	3/4	1,117.62	3/4	752.18	3/4	386.73	3/4	60.97	3/4	3/4	3/4	3/4	3/4	3/4
5	2,208.40	5	1,842.21	5	1,476.01	5	1,110.03	5	744.55	5	379.32	5	54.99	5		5		5	
1/4	2,200.77	1/4	1,834.58	1/4	1,468.38	1/4	1,102.45	1/4	736.93	1/4	371.92	1/4	49.01	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,193.14	1/2	1,826.95	1/2	1,460.76	1/2	1,094.86	1/2	729.30	1/2	364.52	1/2	43.03	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,185.51	3/4	1,819.32	3/4	1,453.13	3/4	1,087.28	3/4	721.67	3/4	357.12	3/4	37.06	3/4	3/4	3/4	3/4	3/4	3/4
6	2,177.88	6	1,811.69	6	1,445.50	6	1,079.67	6	714.04	6	349.81	6	31.79	6		6		6	
1/4	2,170.25	1/4	1,804.06	1/4	1,437.87	1/4	1,072.06	1/4	706.41	1/4	342.50	1/4	26.53	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,162.62	1/2	1,796.43	1/2	1,430.24	1/2	1,064.45	1/2	698.78	1/2	335.19	1/2	21.26	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,154.99	3/4	1,788.80	3/4	1,422.61	3/4	1,056.84	3/4	691.15	3/4	327.87	3/4	16.00	3/4	3/4	3/4	3/4	3/4	3/4
7	2,147.37	7	1,781.17	7	1,414.98	7	1,049.23	7	683.52	7	320.65	7	12.73	7		7		7	
1/4	2,139.74	1/4	1,773.54	1/4	1,407.35	1/4	1,041.62	1/4	675.89	1/4	313.43	1/4	9.46	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,132.11	1/2	1,765.92	1/2	1,399.72	1/2	1,034.01	1/2	668.27	1/2	306.21	1/2	6.19	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,124.48	3/4	1,758.29	3/4	1,392.09	3/4	1,026.40	3/4	660.64	3/4	298.99	3/4	2.92	3/4	3/4	3/4	3/4	3/4	3/4
8	2,116.85	8	1,750.66	8	1,384.47	8	1,018.79	8	653.01	8	291.86	8		8		8		8	
1/4	2,109.22	1/4	1,743.03	1/4	1,376.84	1/4	1,011.18	1/4	645.38	1/4	284.73	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,101.59	1/2	1,735.40	1/2	1,369.21	1/2	1,003.57	1/2	637.75	1/2	277.60	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,093.96	3/4	1,727.77	3/4	1,361.58	3/4	995.96	3/4	630.12	3/4	270.47	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,086.33	9	1,720.14	9	1,353.95	9	988.35	9	622.49	9	262.45	9		9		9		9	
1/4	2,078.70	1/4	1,712.51	1/4	1,346.32	1/4	980.74	1/4	614.86	1/4	256.42	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,071.08	1/2	1,704.88	1/2	1,338.69	1/2	973.13	1/2	607.24	1/2	249.40	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,063.45	3/4	1,697.25	3/4	1,331.06	3/4	965.52	3/4	599.61	3/4	242.37	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,055.82	10	1,689.63	10	1,323.43	10	957.91	10	591.98	10	235.44	10		10		10		10	
1/4	2,048.19	1/4	1,682.00	1/4	1,315.80	1/4	950.30	1/4	584.35	1/4	228.50	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,040.56	1/2	1,674.37	1/2	1,308.18	1/2	942.69	1/2	576.72	1/2	221.57	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,032.93	3/4	1,666.74	3/4	1,300.55	3/4	935.08	3/4	569.09	3/4	214.63	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,025.30	11	1,659.11	11	1,292.92	11	927.47	11	561.46	11	207.79	11		11		11		11	
1/4	2,017.67	1/4	1,651.48	1/4	1,285.29	1/4	919.86	1/4	553.83	1/4	200.95	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,010.04	1/2	1,643.85	1/2	1,277.66	1/2	912.25	1/2	546.21	1/2	194.10	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,002.41	3/4	1,636.22	3/4	1,270.03	3/4	904.65	3/4	538.58	3/4	187.26	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/12/2007 CL - SW
CALCULATED: 01/14/2007 CL
PRINTED: 01/14/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2007

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



BARGE "KIRBY 28721"

1 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-08 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	4,560.13	0	4,218.16	0	3,857.89	0	3,491.75	0	3,125.60	0	2,759.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,553.19	1/4	4,210.83	1/4	3,850.26	1/4	3,484.12	1/4	3,117.98	1/4	2,751.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,546.26	1/2	4,203.50	1/2	3,842.64	1/2	3,476.49	1/2	3,110.35	1/2	2,744.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,539.32	3/4	4,196.17	3/4	3,835.01	3/4	3,468.86	3/4	3,102.72	3/4	2,736.54
1		1		1		1		1	4,532.35	1	4,188.81	1	3,827.38	1	3,461.24	1	3,095.09	1	2,728.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,843.98	1/4	4,525.38	1/4	4,181.45	1/4	3,819.75	1/4	3,453.61	1/4	3,087.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,839.53	1/2	4,518.41	1/2	4,174.09	1/2	3,812.12	1/2	3,445.98	1/2	3,079.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,835.08	3/4	4,511.44	3/4	4,166.73	3/4	3,804.50	3/4	3,438.35	3/4	3,072.21
2		2		2		2		2	4,829.35	2	4,504.43	2	4,159.34	2	3,796.87	2	3,430.72	2	3,064.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,823.63	1/4	4,497.43	1/4	4,151.95	1/4	3,789.24	1/4	3,423.10	1/4	3,056.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,817.91	1/2	4,490.43	1/2	4,144.56	1/2	3,781.61	1/2	3,415.47	1/2	3,049.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,812.18	3/4	4,483.43	3/4	4,137.16	3/4	3,773.98	3/4	3,407.84	3/4	3,041.70
3		3		3		3		3	4,805.19	3	4,476.39	3	4,129.74	3	3,766.36	3	3,400.21	3	3,034.07
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,798.19	1/4	4,469.36	1/4	4,122.31	1/4	3,758.73	1/4	3,392.58	1/4	3,026.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,791.20	1/2	4,462.32	1/2	4,114.89	1/2	3,751.10	1/2	3,384.96	1/2	3,018.81
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,784.21	3/4	4,455.29	3/4	4,107.46	3/4	3,743.47	3/4	3,377.33	3/4	3,011.18
4		4		4		4		4	4,777.56	4	4,448.22	4	4,100.01	4	3,735.84	4	3,369.70	4	3,003.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,770.92	1/4	4,441.15	1/4	4,092.55	1/4	3,728.22	1/4	3,362.07	1/4	2,995.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,764.28	1/2	4,434.08	1/2	4,085.09	1/2	3,720.59	1/2	3,354.44	1/2	2,988.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,757.64	3/4	4,427.01	3/4	4,077.63	3/4	3,712.96	3/4	3,346.82	3/4	2,980.67
5		5		5		5		5	4,750.94	5	4,419.91	5	4,070.14	5	3,705.33	5	3,339.19	5	2,973.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,744.24	1/4	4,412.81	1/4	4,062.65	1/4	3,697.70	1/4	3,331.56	1/4	2,965.42
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,737.54	1/2	4,405.71	1/2	4,055.16	1/2	3,690.08	1/2	3,323.93	1/2	2,957.79
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,730.84	3/4	4,398.61	3/4	4,047.67	3/4	3,682.45	3/4	3,316.30	3/4	2,950.16
6		6		6		6		6	4,724.10	6	4,391.48	6	4,040.15	6	3,674.82	6	3,308.68	6	2,942.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,717.36	1/4	4,384.35	1/4	4,032.63	1/4	3,667.19	1/4	3,301.05	1/4	2,934.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,710.62	1/2	4,377.22	1/2	4,025.11	1/2	3,659.56	1/2	3,293.42	1/2	2,927.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,703.88	3/4	4,370.08	3/4	4,017.59	3/4	3,651.94	3/4	3,285.79	3/4	2,919.65
7		7		7		7		7	4,697.10	7	4,362.92	7	4,010.03	7	3,644.31	7	3,278.16	7	2,912.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,690.33	1/4	4,355.75	1/4	4,002.48	1/4	3,636.68	1/4	3,270.54	1/4	2,904.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,683.55	1/2	4,348.59	1/2	3,994.92	1/2	3,629.05	1/2	3,262.91	1/2	2,896.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,676.77	3/4	4,341.42	3/4	3,987.37	3/4	3,621.42	3/4	3,255.28	3/4	2,889.14
8		8		8		8		8	4,669.97	8	4,334.23	8	3,979.78	8	3,613.80	8	3,247.65	8	2,881.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,663.16	1/4	4,327.03	1/4	3,972.19	1/4	3,606.17	1/4	3,240.02	1/4	2,873.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,656.35	1/2	4,319.83	1/2	3,964.60	1/2	3,598.54	1/2	3,232.40	1/2	2,866.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,649.54	3/4	4,312.63	3/4	3,957.02	3/4	3,590.91	3/4	3,224.77	3/4	2,858.62
9		9		9		9		9	4,642.70	9	4,305.40	9	3,949.40	9	3,583.28	9	3,217.14	9	2,851.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,635.86	1/4	4,298.17	1/4	3,941.78	1/4	3,575.66	1/4	3,209.51	1/4	2,843.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,629.02	1/2	4,290.94	1/2	3,934.16	1/2	3,568.03	1/2	3,201.88	1/2	2,835.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,622.18	3/4	4,283.71	3/4	3,926.54	3/4	3,560.40	3/4	3,194.26	3/4	2,828.11
10		10		10		10		10	4,615.31	10	4,276.45	10	3,918.92	10	3,552.77	10	3,186.63	10	2,820.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,608.44	1/4	4,269.19	1/4	3,911.29	1/4	3,545.14	1/4	3,179.00	1/4	2,812.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,601.56	1/2	4,261.93	1/2	3,903.66	1/2	3,537.52	1/2	3,171.37	1/2	2,805.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,594.69	3/4	4,254.66	3/4	3,896.03	3/4	3,529.89	3/4	3,163.74	3/4	2,797.60
11		11		11		11		11	4,587.78	11	4,247.37	11	3,888.40	11	3,522.26	11	3,156.12	11	2,789.97
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,580.88	1/4	4,240.07	1/4	3,880.78	1/4	3,514.63	1/4	3,148.49	1/4	2,782.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,573.97	1/2	4,232.78	1/2	3,873.15	1/2	3,507.00	1/2	3,140.86	1/2	2,774.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,567.07	3/4	4,225.48	3/4	3,865.52	3/4	3,499.38	3/4	3,133.23	3/4	2,767.07

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-10" OFF CENTERLINE AND 52'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28721"

1 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-08 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	2,393.10	0	2,026.77	0	1,660.64	0	1,294.28	0	928.07	0	561.73	0	207.89	0		0		0	
1/4	2,385.47	1/4	2,019.14	1/4	1,653.01	1/4	1,286.64	1/4	920.44	1/4	554.10	1/4	201.04	1/4		1/4		1/4	
1/2	2,377.84	1/2	2,011.50	1/2	1,645.38	1/2	1,279.01	1/2	912.81	1/2	546.46	1/2	194.20	1/2		1/2		1/2	
3/4	2,370.21	3/4	2,003.87	3/4	1,637.74	3/4	1,271.38	3/4	905.19	3/4	538.83	3/4	187.35	3/4		3/4		3/4	
1	2,362.58	1	1,996.24	1	1,630.11	1	1,263.75	1	897.55	1	531.20	1	180.83	1		1		1	
1/4	2,354.94	1/4	1,988.61	1/4	1,622.48	1/4	1,256.11	1/4	889.92	1/4	523.57	1/4	174.32	1/4		1/4		1/4	
1/2	2,347.31	1/2	1,980.98	1/2	1,614.85	1/2	1,248.48	1/2	882.29	1/2	515.93	1/2	167.80	1/2		1/2		1/2	
3/4	2,339.68	3/4	1,973.34	3/4	1,607.21	3/4	1,240.85	3/4	874.66	3/4	508.30	3/4	161.28	3/4		3/4		3/4	
2	2,332.05	2	1,965.71	2	1,599.58	2	1,233.22	2	867.02	2	500.67	2	154.86	2		2		2	
1/4	2,324.42	1/4	1,958.08	1/4	1,591.95	1/4	1,225.58	1/4	859.39	1/4	493.04	1/4	148.44	1/4		1/4		1/4	
1/2	2,316.78	1/2	1,950.45	1/2	1,584.32	1/2	1,217.95	1/2	851.76	1/2	485.40	1/2	142.02	1/2		1/2		1/2	
3/4	2,309.15	3/4	1,942.82	3/4	1,576.68	3/4	1,210.32	3/4	844.13	3/4	477.77	3/4	135.60	3/4		3/4		3/4	
3	2,301.52	3	1,935.18	3	1,569.05	3	1,202.69	3	836.50	3	470.14	3	129.28	3		3		3	
1/4	2,293.89	1/4	1,927.55	1/4	1,561.42	1/4	1,195.05	1/4	828.86	1/4	462.51	1/4	122.96	1/4		1/4		1/4	
1/2	2,286.26	1/2	1,919.92	1/2	1,553.79	1/2	1,187.42	1/2	821.23	1/2	454.88	1/2	116.63	1/2		1/2		1/2	
3/4	2,278.62	3/4	1,912.29	3/4	1,546.15	3/4	1,179.79	3/4	813.60	3/4	447.24	3/4	110.31	3/4		3/4		3/4	
4	2,270.99	4	1,904.66	4	1,538.52	4	1,172.16	4	805.97	4	439.66	4	104.10	4		4		4	
1/4	2,263.36	1/4	1,897.02	1/4	1,530.89	1/4	1,164.52	1/4	798.33	1/4	432.07	1/4	97.88	1/4		1/4		1/4	
1/2	2,255.73	1/2	1,889.39	1/2	1,523.25	1/2	1,156.89	1/2	790.70	1/2	424.48	1/2	91.67	1/2		1/2		1/2	
3/4	2,248.10	3/4	1,881.76	3/4	1,515.62	3/4	1,149.26	3/4	783.07	3/4	416.89	3/4	85.45	3/4		3/4		3/4	
5	2,240.46	5	1,874.13	5	1,507.99	5	1,141.63	5	775.44	5	409.40	5	79.34	5		5		5	
1/4	2,232.83	1/4	1,866.50	1/4	1,500.36	1/4	1,134.00	1/4	767.80	1/4	401.90	1/4	73.22	1/4		1/4		1/4	
1/2	2,225.20	1/2	1,858.86	1/2	1,492.72	1/2	1,126.38	1/2	760.17	1/2	394.41	1/2	67.11	1/2		1/2		1/2	
3/4	2,217.57	3/4	1,851.23	3/4	1,485.09	3/4	1,118.75	3/4	752.54	3/4	386.91	3/4	61.00	3/4		3/4		3/4	
6	2,209.94	6	1,843.61	6	1,477.46	6	1,111.12	6	744.91	6	379.50	6	55.02	6		6		6	
1/4	2,202.30	1/4	1,835.98	1/4	1,469.83	1/4	1,103.49	1/4	737.27	1/4	372.10	1/4	49.03	1/4		1/4		1/4	
1/2	2,194.67	1/2	1,828.36	1/2	1,462.19	1/2	1,095.87	1/2	729.64	1/2	364.69	1/2	43.05	1/2		1/2		1/2	
3/4	2,187.04	3/4	1,820.73	3/4	1,454.56	3/4	1,088.24	3/4	722.01	3/4	357.29	3/4	37.07	3/4		3/4		3/4	
7	2,179.41	7	1,813.11	7	1,446.93	7	1,080.61	7	714.38	7	349.97	7	31.81	7		7		7	
1/4	2,171.78	1/4	1,805.49	1/4	1,439.30	1/4	1,072.99	1/4	706.74	1/4	342.66	1/4	26.54	1/4		1/4		1/4	
1/2	2,164.14	1/2	1,797.88	1/2	1,431.66	1/2	1,065.36	1/2	699.11	1/2	335.34	1/2	21.27	1/2		1/2		1/2	
3/4	2,156.51	3/4	1,790.26	3/4	1,424.03	3/4	1,057.73	3/4	691.48	3/4	328.03	3/4	16.01	3/4		3/4		3/4	
8	2,148.88	8	1,782.64	8	1,416.40	8	1,050.10	8	683.85	8	320.81	8	12.74	8		8		8	
1/4	2,141.25	1/4	1,775.02	1/4	1,408.77	1/4	1,042.48	1/4	676.21	1/4	313.58	1/4	9.46	1/4		1/4		1/4	
1/2	2,133.62	1/2	1,767.40	1/2	1,401.13	1/2	1,034.85	1/2	668.58	1/2	306.36	1/2	6.19	1/2		1/2		1/2	
3/4	2,125.98	3/4	1,759.78	3/4	1,393.50	3/4	1,027.22	3/4	660.95	3/4	299.13	3/4	2.92	3/4		3/4		3/4	
9	2,118.35	9	1,752.16	9	1,385.87	9	1,019.59	9	653.32	9	292.00	9		9		9		9	
1/4	2,110.72	1/4	1,744.55	1/4	1,378.24	1/4	1,011.97	1/4	645.69	1/4	284.87	1/4		1/4		1/4		1/4	
1/2	2,103.09	1/2	1,736.93	1/2	1,370.60	1/2	1,004.34	1/2	638.05	1/2	277.74	1/2		1/2		1/2		1/2	
3/4	2,095.46	3/4	1,729.31	3/4	1,362.97	3/4	996.71	3/4	630.42	3/4	270.60	3/4		3/4		3/4		3/4	
10	2,087.82	10	1,721.68	10	1,355.34	10	989.09	10	622.79	10	262.57	10		10		10		10	
1/4	2,080.19	1/4	1,714.06	1/4	1,347.70	1/4	981.46	1/4	615.16	1/4	256.55	1/4		1/4		1/4		1/4	
1/2	2,072.56	1/2	1,706.43	1/2	1,340.07	1/2	973.83	1/2	607.52	1/2	249.52	1/2		1/2		1/2		1/2	
3/4	2,064.93	3/4	1,698.80	3/4	1,332.44	3/4	966.20	3/4	599.89	3/4	242.49	3/4		3/4		3/4		3/4	
11	2,057.30	11	1,691.17	11	1,324.81	11	958.58	11	592.26	11	235.55	11		11		11		11	
1/4	2,049.66	1/4	1,683.54	1/4	1,317.17	1/4	950.95	1/4	584.63	1/4	228.61	1/4		1/4		1/4		1/4	
1/2	2,042.03	1/2	1,675.91	1/2	1,309.54	1/2	943.32	1/2	576.99	1/2	221.67	1/2		1/2		1/2		1/2	
3/4	2,034.40	3/4	1,668.27	3/4	1,301.91	3/4	935.70	3/4	569.36	3/4	214.74	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/12/2007 CL - SW
CALCULATED: 01/14/2007 CL
PRINTED: 01/14/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2007

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



BARGE "KIRBY 28721"

2 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-08 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	4,574.18	0	4,234.05	0	3,875.71	0	3,511.80	0	3,147.89	0	2,783.95
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,567.28	1/4	4,226.77	1/4	3,868.13	1/4	3,504.22	1/4	3,140.31	1/4	2,776.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,560.39	1/2	4,219.49	1/2	3,860.55	1/2	3,496.64	1/2	3,132.73	1/2	2,768.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,553.47	3/4	4,212.18	3/4	3,852.97	3/4	3,489.06	3/4	3,125.15	3/4	2,761.20
1		1		1		1	4,863.00	1	4,546.55	1	4,204.86	1	3,845.39	1	3,481.48	1	3,117.56	1	2,753.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,858.58	1/4	4,539.62	1/4	4,197.55	1/4	3,837.81	1/4	3,473.90	1/4	3,109.98	1/4	2,746.03
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,854.15	1/2	4,532.70	1/2	4,190.24	1/2	3,830.23	1/2	3,466.31	1/2	3,102.40	1/2	2,738.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,848.46	3/4	4,525.74	3/4	4,182.89	3/4	3,822.64	3/4	3,458.73	3/4	3,094.82	3/4	2,730.86
2		2		2		2	4,842.78	2	4,518.79	2	4,175.54	2	3,815.06	2	3,451.15	2	3,087.24	2	2,723.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,837.09	1/4	4,511.83	1/4	4,168.20	1/4	3,807.48	1/4	3,443.57	1/4	3,079.66	1/4	2,715.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,831.40	1/2	4,504.88	1/2	4,160.85	1/2	3,799.90	1/2	3,435.99	1/2	3,072.08	1/2	2,708.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,824.45	3/4	4,497.89	3/4	4,153.47	3/4	3,792.32	3/4	3,428.41	3/4	3,064.49	3/4	2,700.51
3		3		3		3	4,817.49	3	4,490.90	3	4,146.10	3	3,784.74	3	3,420.82	3	3,056.91	3	2,692.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,810.54	1/4	4,483.91	1/4	4,138.72	1/4	3,777.16	1/4	3,413.24	1/4	3,049.33	1/4	2,685.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,803.59	1/2	4,476.92	1/2	4,131.34	1/2	3,769.57	1/2	3,405.66	1/2	3,041.75	1/2	2,677.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,797.00	3/4	4,469.90	3/4	4,123.93	3/4	3,761.99	3/4	3,398.08	3/4	3,034.17	3/4	2,670.17
4		4		4		4	4,790.40	4	4,462.88	4	4,116.52	4	3,754.41	4	3,390.50	4	3,026.59	4	2,662.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,783.81	1/4	4,455.86	1/4	4,109.11	1/4	3,746.83	1/4	3,382.92	1/4	3,019.01	1/4	2,655.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,777.21	1/2	4,448.84	1/2	4,101.70	1/2	3,739.25	1/2	3,375.34	1/2	3,011.42	1/2	2,647.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,770.56	3/4	4,441.78	3/4	4,094.25	3/4	3,731.67	3/4	3,367.75	3/4	3,003.84	3/4	2,639.83
5		5		5		5	4,763.91	5	4,434.73	5	4,086.81	5	3,724.08	5	3,360.17	5	2,996.26	5	2,632.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,757.25	1/4	4,427.68	1/4	4,079.37	1/4	3,716.50	1/4	3,352.59	1/4	2,988.68	1/4	2,624.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,750.60	1/2	4,420.62	1/2	4,071.92	1/2	3,708.92	1/2	3,345.01	1/2	2,981.10	1/2	2,617.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,743.91	3/4	4,413.54	3/4	4,064.45	3/4	3,701.34	3/4	3,337.43	3/4	2,973.52	3/4	2,609.49
6		6		6		6	4,737.21	6	4,406.45	6	4,056.97	6	3,693.76	6	3,329.85	6	2,965.93	6	2,601.90
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,730.52	1/4	4,399.37	1/4	4,049.50	1/4	3,686.18	1/4	3,322.27	1/4	2,958.35	1/4	2,594.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,723.83	1/2	4,392.28	1/2	4,042.02	1/2	3,678.60	1/2	3,314.68	1/2	2,950.77	1/2	2,586.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,717.10	3/4	4,385.16	3/4	4,034.51	3/4	3,671.01	3/4	3,307.10	3/4	2,943.19	3/4	2,579.15
7		7		7		7	4,710.37	7	4,378.04	7	4,027.00	7	3,663.43	7	3,299.52	7	2,935.61	7	2,571.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,703.64	1/4	4,370.93	1/4	4,019.49	1/4	3,655.85	1/4	3,291.94	1/4	2,928.03	1/4	2,563.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,696.91	1/2	4,363.81	1/2	4,011.99	1/2	3,648.27	1/2	3,284.36	1/2	2,920.45	1/2	2,556.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,690.15	3/4	4,356.66	3/4	4,004.45	3/4	3,640.69	3/4	3,276.78	3/4	2,912.86	3/4	2,548.80
8		8		8		8	4,683.39	8	4,349.51	8	3,996.90	8	3,633.11	8	3,269.19	8	2,905.28	8	2,541.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,676.63	1/4	4,342.35	1/4	3,989.36	1/4	3,625.53	1/4	3,261.61	1/4	2,897.70	1/4	2,533.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,669.87	1/2	4,335.20	1/2	3,981.82	1/2	3,617.94	1/2	3,254.03	1/2	2,890.12	1/2	2,526.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,663.08	3/4	4,328.02	3/4	3,974.25	3/4	3,610.36	3/4	3,246.45	3/4	2,882.54	3/4	2,518.46
9		9		9		9	4,656.28	9	4,320.84	9	3,966.68	9	3,602.78	9	3,238.87	9	2,874.96	9	2,510.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,649.49	1/4	4,313.65	1/4	3,959.10	1/4	3,595.20	1/4	3,231.29	1/4	2,867.38	1/4	2,503.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,642.69	1/2	4,306.47	1/2	3,951.53	1/2	3,587.62	1/2	3,223.71	1/2	2,859.79	1/2	2,495.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,635.87	3/4	4,299.25	3/4	3,943.95	3/4	3,580.04	3/4	3,216.12	3/4	2,852.21	3/4	2,488.12
10		10		10		10	4,629.04	10	4,292.04	10	3,936.37	10	3,572.45	10	3,208.54	10	2,844.63	10	2,480.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,622.22	1/4	4,284.82	1/4	3,928.79	1/4	3,564.87	1/4	3,200.96	1/4	2,837.05	1/4	2,472.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,615.39	1/2	4,277.61	1/2	3,921.20	1/2	3,557.29	1/2	3,193.38	1/2	2,829.47	1/2	2,465.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,608.53	3/4	4,270.36	3/4	3,913.62	3/4	3,549.71	3/4	3,185.80	3/4	2,821.88	3/4	2,457.78
11		11		11		11	4,601.67	11	4,263.11	11	3,906.04	11	3,542.13	11	3,178.22	11	2,814.30	11	2,450.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,594.82	1/4	4,255.86	1/4	3,898.46	1/4	3,534.55	1/4	3,170.64	1/4	2,806.71	1/4	2,442.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,587.96	1/2	4,248.61	1/2	3,890.88	1/2	3,526.97	1/2	3,163.05	1/2	2,799.13	1/2	2,435.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,581.07	3/4	4,241.33	3/4	3,883.30	3/4	3,519.38	3/4	3,155.47	3/4	2,791.54	3/4	2,427.44

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-10" OFF CENTERLINE AND 52'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28721"

2 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-08 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	2,419.85	0	2,055.75	0	1,691.64	0	1,328.19	0	979.74	0	615.80	0	251.84	0		0		0	
1/4	2,412.27	1/4	2,048.16	1/4	1,684.06	1/4	1,320.94	1/4	972.17	1/4	608.21	1/4	244.27	1/4	1/4	1/4		1/4	1/4
1/2	2,404.68	1/2	2,040.58	1/2	1,676.47	1/2	1,313.68	1/2	964.61	1/2	600.62	1/2	236.69	1/2	1/2	1/2		1/2	1/2
3/4	2,397.09	3/4	2,032.99	3/4	1,668.89	3/4	1,306.42	3/4	957.04	3/4	593.04	3/4	229.36	3/4	3/4	3/4		3/4	3/4
1	2,389.51	1	2,025.40	1	1,661.30	1	1,299.16	1	949.46	1	585.45	1	222.03	1		1		1	1
1/4	2,381.92	1/4	2,017.82	1/4	1,653.72	1/4	1,291.90	1/4	941.89	1/4	577.87	1/4	214.70	1/4	1/4	1/4		1/4	1/4
1/2	2,374.34	1/2	2,010.23	1/2	1,646.13	1/2	1,284.65	1/2	934.32	1/2	570.28	1/2	207.37	1/2	1/2	1/2		1/2	1/2
3/4	2,366.75	3/4	2,002.65	3/4	1,638.54	3/4	1,277.39	3/4	926.75	3/4	562.70	3/4	200.04	3/4	3/4	3/4		3/4	3/4
2	2,359.17	2	1,995.06	2	1,630.96	2	1,270.13	2	919.18	2	555.11	2	192.71	2		2		2	2
1/4	2,351.58	1/4	1,987.48	1/4	1,623.37	1/4	1,262.87	1/4	911.61	1/4	547.53	1/4	185.38	1/4	1/4	1/4		1/4	1/4
1/2	2,344.00	1/2	1,979.89	1/2	1,615.79	1/2	1,255.61	1/2	904.04	1/2	539.94	1/2	178.06	1/2	1/2	1/2		1/2	1/2
3/4	2,336.41	3/4	1,972.31	3/4	1,608.20	3/4	1,248.36	3/4	896.45	3/4	532.36	3/4	170.74	3/4	3/4	3/4		3/4	3/4
3	2,328.82	3	1,964.72	3	1,600.62	3	1,241.10	3	888.87	3	524.77	3	163.42	3		3		3	3
1/4	2,321.24	1/4	1,957.14	1/4	1,593.03	1/4	1,233.84	1/4	881.28	1/4	517.19	1/4	156.10	1/4	1/4	1/4		1/4	1/4
1/2	2,313.65	1/2	1,949.55	1/2	1,585.45	1/2	1,226.58	1/2	873.70	1/2	509.60	1/2	148.78	1/2	1/2	1/2		1/2	1/2
3/4	2,306.07	3/4	1,941.96	3/4	1,577.86	3/4	1,219.32	3/4	866.11	3/4	502.02	3/4	141.48	3/4	3/4	3/4		3/4	3/4
4	2,298.48	4	1,934.38	4	1,570.27	4	1,212.07	4	858.53	4	494.43	4	134.18	4		4		4	4
1/4	2,290.90	1/4	1,926.79	1/4	1,562.69	1/4	1,204.81	1/4	850.94	1/4	486.85	1/4	126.87	1/4	1/4	1/4		1/4	1/4
1/2	2,283.31	1/2	1,919.21	1/2	1,555.10	1/2	1,197.55	1/2	843.35	1/2	479.26	1/2	119.57	1/2	1/2	1/2		1/2	1/2
3/4	2,275.73	3/4	1,911.62	3/4	1,547.52	3/4	1,190.31	3/4	835.77	3/4	471.67	3/4	112.28	3/4	3/4	3/4		3/4	3/4
5	2,268.14	5	1,904.04	5	1,539.93	5	1,183.07	5	828.18	5	464.09	5	104.98	5		5		5	5
1/4	2,260.56	1/4	1,896.45	1/4	1,532.35	1/4	1,175.83	1/4	820.60	1/4	456.50	1/4	97.69	1/4	1/4	1/4		1/4	1/4
1/2	2,252.97	1/2	1,888.87	1/2	1,524.76	1/2	1,168.60	1/2	813.01	1/2	448.92	1/2	90.40	1/2	1/2	1/2		1/2	1/2
3/4	2,245.38	3/4	1,881.28	3/4	1,517.18	3/4	1,161.36	3/4	805.43	3/4	441.33	3/4	83.15	3/4	3/4	3/4		3/4	3/4
6	2,237.80	6	1,873.69	6	1,509.59	6	1,154.12	6	797.84	6	433.75	6	75.90	6		6		6	6
1/4	2,230.21	1/4	1,866.11	1/4	1,502.01	1/4	1,146.88	1/4	790.26	1/4	426.16	1/4	68.65	1/4	1/4	1/4		1/4	1/4
1/2	2,222.63	1/2	1,858.52	1/2	1,494.42	1/2	1,139.64	1/2	782.67	1/2	418.58	1/2	61.39	1/2	1/2	1/2		1/2	1/2
3/4	2,215.04	3/4	1,850.94	3/4	1,486.83	3/4	1,132.40	3/4	775.09	3/4	410.99	3/4	54.76	3/4	3/4	3/4		3/4	3/4
7	2,207.46	7	1,843.35	7	1,479.25	7	1,125.16	7	767.50	7	403.41	7	48.13	7		7		7	7
1/4	2,199.87	1/4	1,835.77	1/4	1,471.66	1/4	1,117.93	1/4	759.92	1/4	395.82	1/4	41.50	1/4	1/4	1/4		1/4	1/4
1/2	2,192.29	1/2	1,828.18	1/2	1,464.08	1/2	1,110.69	1/2	752.33	1/2	388.24	1/2	34.87	1/2	1/2	1/2		1/2	1/2
3/4	2,184.70	3/4	1,820.60	3/4	1,456.49	3/4	1,103.45	3/4	744.75	3/4	380.65	3/4	30.12	3/4	3/4	3/4		3/4	3/4
8	2,177.11	8	1,813.01	8	1,448.91	8	1,096.21	8	737.16	8	373.07	8	25.38	8		8		8	8
1/4	2,169.53	1/4	1,805.43	1/4	1,441.32	1/4	1,088.97	1/4	729.57	1/4	365.48	1/4	20.64	1/4	1/4	1/4		1/4	1/4
1/2	2,161.94	1/2	1,797.84	1/2	1,433.74	1/2	1,081.73	1/2	721.99	1/2	357.90	1/2	15.90	1/2	1/2	1/2		1/2	1/2
3/4	2,154.36	3/4	1,790.25	3/4	1,426.15	3/4	1,074.50	3/4	714.40	3/4	350.31	3/4		3/4	3/4	3/4		3/4	3/4
9	2,146.77	9	1,782.67	9	1,418.56	9	1,067.26	9	706.82	9	342.72	9		9		9		9	9
1/4	2,139.19	1/4	1,775.08	1/4	1,410.98	1/4	1,060.02	1/4	699.23	1/4	335.14	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,131.60	1/2	1,767.50	1/2	1,403.39	1/2	1,052.78	1/2	691.65	1/2	327.55	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,124.02	3/4	1,759.91	3/4	1,395.81	3/4	1,045.54	3/4	684.06	3/4	319.98	3/4		3/4	3/4	3/4		3/4	3/4
10	2,116.43	10	1,752.33	10	1,388.22	10	1,038.30	10	676.48	10	312.41	10		10		10		10	10
1/4	2,108.85	1/4	1,744.74	1/4	1,380.64	1/4	1,031.06	1/4	668.89	1/4	304.84	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,101.26	1/2	1,737.16	1/2	1,373.05	1/2	1,023.83	1/2	661.31	1/2	297.27	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,093.67	3/4	1,729.57	3/4	1,365.47	3/4	1,016.59	3/4	653.72	3/4	289.70	3/4		3/4	3/4	3/4		3/4	3/4
11	2,086.09	11	1,721.98	11	1,357.88	11	1,009.35	11	646.14	11	282.12	11		11		11		11	11
1/4	2,078.50	1/4	1,714.40	1/4	1,350.30	1/4	1,002.11	1/4	638.55	1/4	274.55	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,070.92	1/2	1,706.81	1/2	1,342.71	1/2	994.87	1/2	630.97	1/2	266.98	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,063.33	3/4	1,699.23	3/4	1,335.45	3/4	987.31	3/4	623.38	3/4	259.41	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/12/2007 CL - SW
CALCULATED: 01/14/2007 CL
PRINTED: 01/14/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2007

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



BARGE "KIRBY 28721"

2 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-08 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	4,577.29	0	4,237.10	0	3,878.81	0	3,515.26	0	3,151.71	0	2,788.14		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,570.40	1/4	4,229.83	1/4	3,871.24	1/4	3,507.69	1/4	3,144.13	1/4	2,780.57		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,563.49	1/2	4,222.52	1/2	3,863.66	1/2	3,500.11	1/2	3,136.56	1/2	2,772.99		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,872.73	3/4	4,556.57	3/4	4,215.21	3/4	3,856.09	3/4	3,492.54	3/4	2,765.41		
1		1		1		1		1	4,868.31	1	4,549.65	1	4,207.91	1	3,848.52	1	3,484.96	1	3,121.41	1	2,757.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,863.89	1/4	4,542.74	1/4	4,200.60	1/4	3,840.94	1/4	3,477.39	1/4	3,113.84	1/4	2,750.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,858.20	1/2	4,535.79	1/2	4,193.26	1/2	3,833.37	1/2	3,469.82	1/2	3,106.26	1/2	2,742.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,852.52	3/4	4,528.84	3/4	4,185.92	3/4	3,825.79	3/4	3,462.24	3/4	3,098.69	3/4	2,735.10
2		2		2		2		2	4,846.84	2	4,521.89	2	4,178.58	2	3,818.22	2	3,454.67	2	3,091.12	2	2,727.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,841.15	1/4	4,514.94	1/4	4,171.25	1/4	3,810.65	1/4	3,447.09	1/4	3,083.54	1/4	2,719.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,834.21	1/2	4,507.96	1/2	4,163.87	1/2	3,803.07	1/2	3,439.52	1/2	3,075.97	1/2	2,712.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,827.26	3/4	4,500.97	3/4	4,156.50	3/4	3,795.50	3/4	3,431.95	3/4	3,068.39	3/4	2,704.79
3		3		3		3		3	4,820.32	3	4,493.99	3	4,149.13	3	3,787.92	3	3,424.37	3	3,060.82	3	2,697.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,813.37	1/4	4,487.01	1/4	4,141.76	1/4	3,780.35	1/4	3,416.80	1/4	3,053.25	1/4	2,689.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,806.79	1/2	4,480.00	1/2	4,134.36	1/2	3,772.78	1/2	3,409.22	1/2	3,045.67	1/2	2,682.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,800.20	3/4	4,472.98	3/4	4,126.95	3/4	3,765.20	3/4	3,401.65	3/4	3,038.10	3/4	2,674.48
4		4		4		4		4	4,793.61	4	4,465.97	4	4,119.55	4	3,757.63	4	3,394.08	4	3,030.52	4	2,666.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,787.02	1/4	4,458.95	1/4	4,112.15	1/4	3,750.05	1/4	3,386.50	1/4	3,022.95	1/4	2,659.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,780.37	1/2	4,451.91	1/2	4,104.71	1/2	3,742.48	1/2	3,378.93	1/2	3,015.38	1/2	2,651.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,773.73	3/4	4,444.86	3/4	4,097.27	3/4	3,734.91	3/4	3,371.35	3/4	3,007.80	3/4	2,644.18
5		5		5		5		5	4,767.08	5	4,437.81	5	4,089.84	5	3,727.33	5	3,363.78	5	3,000.23	5	2,636.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,760.43	1/4	4,430.77	1/4	4,082.40	1/4	3,719.76	1/4	3,356.21	1/4	2,992.65	1/4	2,629.02
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,753.74	1/2	4,423.69	1/2	4,074.93	1/2	3,712.18	1/2	3,348.63	1/2	2,985.08	1/2	2,621.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,747.06	3/4	4,416.61	3/4	4,067.47	3/4	3,704.61	3/4	3,341.06	3/4	2,977.51	3/4	2,613.87
6		6		6		6		6	4,740.37	6	4,409.53	6	4,060.00	6	3,697.04	6	3,333.48	6	2,969.93	6	2,606.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,733.68	1/4	4,402.45	1/4	4,052.53	1/4	3,689.46	1/4	3,325.91	1/4	2,962.36	1/4	2,598.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,726.96	1/2	4,395.34	1/2	4,045.03	1/2	3,681.89	1/2	3,318.34	1/2	2,954.78	1/2	2,591.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,720.24	3/4	4,388.23	3/4	4,037.53	3/4	3,674.31	3/4	3,310.76	3/4	2,947.21	3/4	2,583.56
7		7		7		7		7	4,713.52	7	4,381.12	7	4,030.03	7	3,666.74	7	3,303.19	7	2,939.64	7	2,575.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,706.80	1/4	4,374.00	1/4	4,022.52	1/4	3,659.17	1/4	3,295.61	1/4	2,932.06	1/4	2,568.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,700.04	1/2	4,366.86	1/2	4,014.99	1/2	3,651.59	1/2	3,288.04	1/2	2,924.49	1/2	2,560.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,693.29	3/4	4,359.72	3/4	4,007.46	3/4	3,644.02	3/4	3,280.47	3/4	2,916.91	3/4	2,553.25
8		8		8		8		8	4,686.53	8	4,352.57	8	3,999.92	8	3,636.44	8	3,272.89	8	2,909.34	8	2,545.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,679.78	1/4	4,345.43	1/4	3,992.39	1/4	3,628.87	1/4	3,265.32	1/4	2,901.77	1/4	2,538.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,672.99	1/2	4,338.25	1/2	3,984.82	1/2	3,621.30	1/2	3,257.74	1/2	2,894.19	1/2	2,530.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,666.20	3/4	4,331.08	3/4	3,977.26	3/4	3,613.72	3/4	3,250.17	3/4	2,886.62	3/4	2,522.94
9		9		9		9		9	4,659.42	9	4,323.90	9	3,969.69	9	3,606.15	9	3,242.60	9	2,879.04	9	2,515.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,652.63	1/4	4,316.72	1/4	3,962.13	1/4	3,598.57	1/4	3,235.02	1/4	2,871.47	1/4	2,507.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,645.81	1/2	4,309.51	1/2	3,954.55	1/2	3,591.00	1/2	3,227.45	1/2	2,863.90	1/2	2,500.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,638.99	3/4	4,302.30	3/4	3,946.98	3/4	3,583.43	3/4	3,219.87	3/4	2,856.33	3/4	2,492.63
10		10		10		10		10	4,632.17	10	4,295.10	10	3,939.40	10	3,575.85	10	3,212.30	10	2,848.76	10	2,485.05
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,625.35	1/4	4,287.89	1/4	3,931.83	1/4	3,568.28	1/4	3,204.73	1/4	2,841.18	1/4	2,477.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,618.50	1/2	4,280.65	1/2	3,924.26	1/2	3,560.70	1/2	3,197.15	1/2	2,833.61	1/2	2,469.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,611.65	3/4	4,273.40	3/4	3,916.68	3/4	3,553.13	3/4	3,189.58	3/4	2,826.03	3/4	2,462.32
11		11		11		11		11	4,604.79	11	4,266.16	11	3,909.11	11	3,545.56	11	3,182.00	11	2,818.45	11	2,454.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,597.94	1/4	4,258.92	1/4	3,901.53	1/4	3,537.98	1/4	3,174.43	1/4	2,810.88	1/4	2,447.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,591.06	1/2	4,251.65	1/2	3,893.96	1/2	3,530.41	1/2	3,166.86	1/2	2,803.30	1/2	2,439.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,584.17	3/4	4,244.37	3/4	3,886.39	3/4	3,522.83	3/4	3,159.28	3/4	2,795.72	3/4	2,432.01

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-10" OFF CENTERLINE AND 52'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28721"

2 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-08 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,424.43	0	2,060.72	0	1,698.71	0	1,334.96	0	971.37	0	607.63	0	244.03	0		0		0	
1/4	2,416.86	1/4	2,053.15	1/4	1,691.14	1/4	1,327.38	1/4	963.80	1/4	600.05	1/4	236.47	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,409.28	1/2	2,045.57	1/2	1,683.56	1/2	1,319.80	1/2	956.22	1/2	592.47	1/2	229.14	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,401.70	3/4	2,037.99	3/4	1,675.98	3/4	1,312.23	3/4	948.64	3/4	584.90	3/4	221.82	3/4	3/4	3/4	3/4	3/4	3/4
1	2,394.12	1	2,030.41	1	1,668.40	1	1,304.65	1	941.06	1	577.32	1	214.50	1		1		1	
1/4	2,386.55	1/4	2,022.84	1/4	1,660.82	1/4	1,297.07	1/4	933.48	1/4	569.74	1/4	207.17	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,378.97	1/2	2,015.26	1/2	1,653.25	1/2	1,289.49	1/2	925.91	1/2	562.16	1/2	199.85	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,371.39	3/4	2,007.68	3/4	1,645.67	3/4	1,281.91	3/4	918.33	3/4	554.58	3/4	192.53	3/4	3/4	3/4	3/4	3/4	3/4
2	2,363.81	2	2,000.10	2	1,638.09	2	1,274.34	2	910.75	2	547.01	2	185.21	2		2		2	
1/4	2,356.24	1/4	1,992.53	1/4	1,630.51	1/4	1,266.76	1/4	903.17	1/4	539.43	1/4	177.89	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,348.66	1/2	1,984.95	1/2	1,622.93	1/2	1,259.18	1/2	895.59	1/2	531.85	1/2	170.58	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,341.08	3/4	1,977.37	3/4	1,615.35	3/4	1,251.60	3/4	888.02	3/4	524.27	3/4	163.27	3/4	3/4	3/4	3/4	3/4	3/4
3	2,333.51	3	1,969.80	3	1,607.78	3	1,244.02	3	880.44	3	516.69	3	155.95	3		3		3	
1/4	2,325.93	1/4	1,962.22	1/4	1,600.20	1/4	1,236.44	1/4	872.86	1/4	509.12	1/4	148.64	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,318.35	1/2	1,954.64	1/2	1,592.62	1/2	1,228.87	1/2	865.28	1/2	501.54	1/2	141.35	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,310.77	3/4	1,947.06	3/4	1,585.04	3/4	1,221.29	3/4	857.70	3/4	493.96	3/4	134.05	3/4	3/4	3/4	3/4	3/4	3/4
4	2,303.20	4	1,939.49	4	1,577.46	4	1,213.71	4	850.13	4	486.38	4	126.75	4		4		4	
1/4	2,295.62	1/4	1,931.91	1/4	1,569.89	1/4	1,206.13	1/4	842.55	1/4	478.80	1/4	119.46	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,288.04	1/2	1,924.33	1/2	1,562.31	1/2	1,198.56	1/2	834.97	1/2	471.23	1/2	112.17	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,280.46	3/4	1,916.75	3/4	1,554.73	3/4	1,190.99	3/4	827.39	3/4	463.65	3/4	104.88	3/4	3/4	3/4	3/4	3/4	3/4
5	2,272.89	5	1,909.18	5	1,547.15	5	1,183.41	5	819.81	5	456.07	5	97.60	5		5		5	
1/4	2,265.31	1/4	1,901.60	1/4	1,539.57	1/4	1,175.84	1/4	812.24	1/4	448.49	1/4	90.31	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,257.73	1/2	1,894.08	1/2	1,531.99	1/2	1,168.27	1/2	804.66	1/2	440.91	1/2	83.07	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,250.16	3/4	1,886.55	3/4	1,524.42	3/4	1,160.69	3/4	797.08	3/4	433.34	3/4	75.82	3/4	3/4	3/4	3/4	3/4	3/4
6	2,242.58	6	1,879.03	6	1,516.84	6	1,153.12	6	789.50	6	425.76	6	68.58	6		6		6	
1/4	2,235.00	1/4	1,871.50	1/4	1,509.26	1/4	1,145.55	1/4	781.92	1/4	418.18	1/4	61.34	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,227.42	1/2	1,864.03	1/2	1,501.68	1/2	1,137.97	1/2	774.35	1/2	410.60	1/2	54.71	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,219.85	3/4	1,856.56	3/4	1,494.10	3/4	1,130.40	3/4	766.77	3/4	403.02	3/4	48.08	3/4	3/4	3/4	3/4	3/4	3/4
7	2,212.27	7	1,849.09	7	1,486.53	7	1,122.83	7	759.19	7	395.45	7	41.46	7		7		7	
1/4	2,204.69	1/4	1,841.62	1/4	1,478.95	1/4	1,115.26	1/4	751.61	1/4	387.87	1/4	34.83	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,197.11	1/2	1,834.15	1/2	1,471.37	1/2	1,107.68	1/2	744.03	1/2	380.29	1/2	30.10	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,189.54	3/4	1,826.68	3/4	1,463.79	3/4	1,100.11	3/4	736.46	3/4	372.71	3/4	25.36	3/4	3/4	3/4	3/4	3/4	3/4
8	2,181.96	8	1,819.21	8	1,456.21	8	1,092.54	8	728.88	8	365.13	8	20.62	8		8		8	
1/4	2,174.38	1/4	1,811.74	1/4	1,448.63	1/4	1,084.96	1/4	721.30	1/4	357.56	1/4	15.89	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,166.81	1/2	1,804.27	1/2	1,441.06	1/2	1,077.39	1/2	713.72	1/2	349.98	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,159.23	3/4	1,796.80	3/4	1,433.48	3/4	1,069.82	3/4	706.14	3/4	342.40	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,151.65	9	1,789.33	9	1,425.90	9	1,062.24	9	698.57	9	334.82	9		9		9		9	
1/4	2,144.07	1/4	1,781.86	1/4	1,418.32	1/4	1,054.67	1/4	690.99	1/4	327.24	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,136.50	1/2	1,774.34	1/2	1,410.74	1/2	1,047.10	1/2	683.41	1/2	319.68	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,128.92	3/4	1,766.81	3/4	1,403.16	3/4	1,039.53	3/4	675.83	3/4	312.11	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,121.34	10	1,759.29	10	1,395.59	10	1,031.95	10	668.25	10	304.55	10		10		10		10	
1/4	2,113.76	1/4	1,751.76	1/4	1,388.01	1/4	1,024.38	1/4	660.68	1/4	296.99	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,106.19	1/2	1,744.18	1/2	1,380.43	1/2	1,016.81	1/2	653.10	1/2	289.42	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,098.61	3/4	1,736.61	3/4	1,372.85	3/4	1,009.23	3/4	645.52	3/4	281.86	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,091.03	11	1,729.03	11	1,365.27	11	1,001.66	11	637.94	11	274.29	11		11		11		11	
1/4	2,083.45	1/4	1,721.45	1/4	1,357.70	1/4	994.09	1/4	630.36	1/4	266.73	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,075.88	1/2	1,713.87	1/2	1,350.12	1/2	986.51	1/2	622.79	1/2	259.16	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,068.30	3/4	1,706.29	3/4	1,342.54	3/4	978.94	3/4	615.21	3/4	251.60	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/12/2007 CL - SW
CALCULATED: 01/14/2007 CL
PRINTED: 01/14/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2007

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



BARGE "KIRBY 28721"

3 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 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	4,242.29	0	3,985.65	0	3,710.92	0	3,411.74	0	3,048.05	0	2,684.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,237.13	1/4	3,980.10	1/4	3,705.09	1/4	3,404.17	1/4	3,040.48	1/4	2,676.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,231.97	1/2	3,974.55	1/2	3,699.26	1/2	3,396.59	1/2	3,032.90	1/2	2,669.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,459.41	3/4	4,226.81	3/4	3,969.00	3/4	3,693.42	3/4	3,389.01	3/4	3,025.32
1		1		1		1		1	4,456.10	1	4,221.62	1	3,963.42	1	3,687.59	1	3,381.44	1	3,017.75
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,452.80	1/4	4,216.43	1/4	3,957.83	1/4	3,681.76	1/4	3,373.86	1/4	3,010.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,449.49	1/2	4,211.24	1/2	3,952.25	1/2	3,675.92	1/2	3,366.28	1/2	3,002.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,446.19	3/4	4,206.04	3/4	3,946.67	3/4	3,670.09	3/4	3,358.71	3/4	3,005.01
2		2		2		2		2	4,441.62	2	4,200.82	2	3,941.05	2	3,664.26	2	3,351.13	2	2,987.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,437.04	1/4	4,195.59	1/4	3,935.44	1/4	3,658.42	1/4	3,343.55	1/4	2,979.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,432.47	1/2	4,190.37	1/2	3,929.83	1/2	3,652.59	1/2	3,335.98	1/2	2,972.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,427.90	3/4	4,185.14	3/4	3,924.21	3/4	3,646.76	3/4	3,328.40	3/4	2,964.71
3		3		3		3		3	4,422.88	3	4,179.88	3	3,918.56	3	3,640.92	3	3,320.82	3	2,957.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,417.85	1/4	4,174.63	1/4	3,912.92	1/4	3,635.09	1/4	3,313.24	1/4	2,949.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,412.83	1/2	4,169.37	1/2	3,907.27	1/2	3,629.26	1/2	3,305.67	1/2	2,941.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,407.80	3/4	4,164.11	3/4	3,901.62	3/4	3,623.42	3/4	3,298.09	3/4	2,934.40
4		4		4		4		4	4,402.92	4	4,158.82	4	3,895.94	4	3,617.59	4	3,290.51	4	2,926.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,398.05	1/4	4,153.53	1/4	3,890.27	1/4	3,611.76	1/4	3,282.94	1/4	2,919.25
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,393.17	1/2	4,148.24	1/2	3,884.59	1/2	3,605.92	1/2	3,275.36	1/2	2,911.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,388.29	3/4	4,142.95	3/4	3,878.91	3/4	3,600.09	3/4	3,267.78	3/4	2,904.09
5		5		5		5		5	4,383.36	5	4,137.63	5	3,873.20	5	3,594.26	5	3,260.21	5	2,896.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,378.44	1/4	4,132.31	1/4	3,867.48	1/4	3,588.42	1/4	3,252.63	1/4	2,888.94
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,373.51	1/2	4,126.98	1/2	3,861.77	1/2	3,582.59	1/2	3,245.05	1/2	2,881.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,368.58	3/4	4,121.66	3/4	3,856.06	3/4	3,576.76	3/4	3,237.48	3/4	2,873.78
6		6		6		6		6	4,363.61	6	4,116.31	6	3,850.32	6	3,570.92	6	3,229.90	6	2,866.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,358.65	1/4	4,110.95	1/4	3,844.57	1/4	3,565.09	1/4	3,222.32	1/4	2,858.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,353.68	1/2	4,105.60	1/2	3,838.83	1/2	3,559.25	1/2	3,214.74	1/2	2,851.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,348.72	3/4	4,100.24	3/4	3,833.08	3/4	3,553.42	3/4	3,207.17	3/4	2,843.49
7		7		7		7		7	4,343.72	7	4,094.85	7	3,827.31	7	3,547.59	7	3,199.59	7	2,835.92
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,338.72	1/4	4,089.47	1/4	3,821.53	1/4	3,541.75	1/4	3,192.01	1/4	2,828.35
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,333.72	1/2	4,084.08	1/2	3,815.75	1/2	3,535.92	1/2	3,184.44	1/2	2,820.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,328.72	3/4	4,078.69	3/4	3,809.98	3/4	3,530.09	3/4	3,176.86	3/4	2,813.21
8		8		8		8		8	4,323.69	8	4,073.27	8	3,804.17	8	3,524.25	8	3,169.28	8	2,805.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,318.66	1/4	4,067.85	1/4	3,798.36	1/4	3,518.42	1/4	3,161.71	1/4	2,798.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,313.63	1/2	4,062.43	1/2	3,792.55	1/2	3,512.59	1/2	3,154.13	1/2	2,790.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,308.60	3/4	4,057.01	3/4	3,786.74	3/4	3,506.75	3/4	3,146.55	3/4	2,782.93
9		9		9		9		9	4,303.54	9	4,051.56	9	3,780.91	9	3,500.05	9	3,138.98	9	2,775.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,298.48	1/4	4,046.11	1/4	3,775.08	1/4	3,493.35	1/4	3,131.40	1/4	2,767.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,293.41	1/2	4,040.65	1/2	3,769.25	1/2	3,486.64	1/2	3,123.82	1/2	2,760.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,288.35	3/4	4,035.20	3/4	3,763.42	3/4	3,479.94	3/4	3,116.25	3/4	2,752.65
10		10		10		10		10	4,283.25	10	4,029.72	10	3,757.59	10	3,472.36	10	3,108.67	10	2,745.08
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,278.16	1/4	4,024.23	1/4	3,751.76	1/4	3,464.78	1/4	3,101.09	1/4	2,737.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,273.06	1/2	4,018.75	1/2	3,745.92	1/2	3,457.21	1/2	3,093.51	1/2	2,729.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,267.97	3/4	4,013.26	3/4	3,740.09	3/4	3,449.63	3/4	3,085.94	3/4	2,722.36
11		11		11		11		11	4,262.84	11	4,007.75	11	3,734.26	11	3,442.05	11	3,078.36	11	2,714.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,257.71	1/4	4,002.23	1/4	3,728.42	1/4	3,434.47	1/4	3,070.78	1/4	2,707.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,252.58	1/2	3,996.71	1/2	3,722.59	1/2	3,426.90	1/2	3,063.21	1/2	2,699.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,247.46	3/4	3,991.20	3/4	3,716.76	3/4	3,419.32	3/4	3,055.63	3/4	2,692.06

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-10" OFF CENTERLINE AND 52'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28721"

3 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-05 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,320.61	0	1,957.54	0	1,594.37	0	1,230.57	0	876.32	0	517.41	0	153.86	0		0		0	
1/4	2,313.03	1/4	1,949.99	1/4	1,586.79	1/4	1,222.99	1/4	869.05	1/4	509.84	1/4	146.72	1/4		1/4		1/4	
1/2	2,305.44	1/2	1,942.44	1/2	1,579.21	1/2	1,215.41	1/2	861.78	1/2	502.28	1/2	139.57	1/2		1/2		1/2	
3/4	2,297.86	3/4	1,934.89	3/4	1,571.63	3/4	1,207.83	3/4	854.50	3/4	494.71	3/4	132.43	3/4		3/4		3/4	
1	2,290.28	1	1,927.34	1	1,564.05	1	1,200.25	1	847.23	1	487.15	1	126.35	1		1		1	
1/4	2,282.70	1/4	1,919.79	1/4	1,556.47	1/4	1,192.68	1/4	839.95	1/4	479.58	1/4	120.28	1/4		1/4		1/4	
1/2	2,275.11	1/2	1,912.24	1/2	1,548.89	1/2	1,185.10	1/2	832.68	1/2	472.01	1/2	114.20	1/2		1/2		1/2	
3/4	2,267.53	3/4	1,904.69	3/4	1,541.31	3/4	1,177.52	3/4	825.41	3/4	464.45	3/4	108.13	3/4		3/4		3/4	
2	2,259.95	2	1,897.14	2	1,533.74	2	1,169.94	2	818.13	2	456.88	2	103.33	2		2		2	
1/4	2,252.37	1/4	1,889.60	1/4	1,526.16	1/4	1,162.36	1/4	810.84	1/4	449.32	1/4	98.53	1/4		1/4		1/4	
1/2	2,244.78	1/2	1,882.05	1/2	1,518.58	1/2	1,154.78	1/2	803.56	1/2	441.75	1/2	93.73	1/2		1/2		1/2	
3/4	2,237.20	3/4	1,874.50	3/4	1,511.00	3/4	1,147.20	3/4	796.28	3/4	434.18	3/4	88.93	3/4		3/4		3/4	
3	2,229.62	3	1,866.95	3	1,503.42	3	1,139.62	3	788.98	3	426.61	3	85.40	3		3		3	
1/4	2,222.04	1/4	1,859.40	1/4	1,495.84	1/4	1,132.04	1/4	781.69	1/4	419.03	1/4	81.88	1/4		1/4		1/4	
1/2	2,214.45	1/2	1,851.85	1/2	1,488.26	1/2	1,124.46	1/2	774.39	1/2	411.46	1/2	78.36	1/2		1/2		1/2	
3/4	2,206.87	3/4	1,844.30	3/4	1,480.68	3/4	1,116.88	3/4	767.09	3/4	403.88	3/4	74.84	3/4		3/4		3/4	
4	2,199.29	4	1,836.75	4	1,473.10	4	1,109.45	4	759.65	4	396.30	4	72.60	4		4		4	
1/4	2,191.71	1/4	1,829.20	1/4	1,465.52	1/4	1,102.02	1/4	752.20	1/4	388.71	1/4	70.35	1/4		1/4		1/4	
1/2	2,184.12	1/2	1,821.65	1/2	1,457.94	1/2	1,094.59	1/2	744.75	1/2	381.13	1/2	68.11	1/2		1/2		1/2	
3/4	2,176.54	3/4	1,814.10	3/4	1,450.37	3/4	1,087.16	3/4	737.31	3/4	373.54	3/4	65.87	3/4		3/4		3/4	
5	2,168.98	5	1,806.54	5	1,442.79	5	1,079.88	5	729.72	5	365.95	5	64.92	5		5		5	
1/4	2,161.41	1/4	1,798.97	1/4	1,435.21	1/4	1,072.60	1/4	722.14	1/4	358.36	1/4	63.97	1/4		1/4		1/4	
1/2	2,153.84	1/2	1,791.41	1/2	1,427.63	1/2	1,065.32	1/2	714.55	1/2	350.77	1/2	63.02	1/2		1/2		1/2	
3/4	2,146.28	3/4	1,783.85	3/4	1,420.05	3/4	1,058.04	3/4	706.97	3/4	343.18	3/4	62.07	3/4		3/4		3/4	
6	2,138.73	6	1,776.27	6	1,412.47	6	1,050.77	6	699.39	6	335.59	6		6		6		6	
1/4	2,131.18	1/4	1,768.69	1/4	1,404.89	1/4	1,043.51	1/4	691.80	1/4	327.99	1/4		1/4		1/4		1/4	
1/2	2,123.63	1/2	1,761.11	1/2	1,397.31	1/2	1,036.24	1/2	684.22	1/2	320.39	1/2		1/2		1/2		1/2	
3/4	2,116.08	3/4	1,753.53	3/4	1,389.73	3/4	1,028.97	3/4	676.63	3/4	312.80	3/4		3/4		3/4		3/4	
7	2,108.53	7	1,745.95	7	1,382.15	7	1,021.70	7	669.05	7	305.20	7		7		7		7	
1/4	2,100.98	1/4	1,738.37	1/4	1,374.57	1/4	1,014.43	1/4	661.46	1/4	297.61	1/4		1/4		1/4		1/4	
1/2	2,093.43	1/2	1,730.79	1/2	1,367.00	1/2	1,007.16	1/2	653.88	1/2	290.01	1/2		1/2		1/2		1/2	
3/4	2,085.88	3/4	1,723.21	3/4	1,359.42	3/4	999.89	3/4	646.29	3/4	282.41	3/4		3/4		3/4		3/4	
8	2,078.33	8	1,715.63	8	1,351.84	8	992.62	8	638.71	8	274.82	8		8		8		8	
1/4	2,070.78	1/4	1,708.05	1/4	1,344.26	1/4	985.35	1/4	631.12	1/4	267.22	1/4		1/4		1/4		1/4	
1/2	2,063.23	1/2	1,700.48	1/2	1,336.68	1/2	978.09	1/2	623.54	1/2	259.62	1/2		1/2		1/2		1/2	
3/4	2,055.68	3/4	1,692.90	3/4	1,329.10	3/4	970.82	3/4	615.96	3/4	252.03	3/4		3/4		3/4		3/4	
9	2,048.13	9	1,685.32	9	1,321.52	9	963.55	9	608.37	9	244.44	9		9		9		9	
1/4	2,040.59	1/4	1,677.74	1/4	1,313.94	1/4	956.28	1/4	600.79	1/4	236.85	1/4		1/4		1/4		1/4	
1/2	2,033.04	1/2	1,670.16	1/2	1,306.36	1/2	949.01	1/2	593.20	1/2	229.26	1/2		1/2		1/2		1/2	
3/4	2,025.49	3/4	1,662.58	3/4	1,298.78	3/4	941.74	3/4	585.62	3/4	221.67	3/4		3/4		3/4		3/4	
10	2,017.94	10	1,655.00	10	1,291.20	10	934.47	10	578.03	10	214.09	10		10		10		10	
1/4	2,010.39	1/4	1,647.42	1/4	1,283.62	1/4	927.20	1/4	570.45	1/4	206.51	1/4		1/4		1/4		1/4	
1/2	2,002.84	1/2	1,639.84	1/2	1,276.05	1/2	919.93	1/2	562.86	1/2	198.92	1/2		1/2		1/2		1/2	
3/4	1,995.29	3/4	1,632.26	3/4	1,268.47	3/4	912.67	3/4	555.28	3/4	191.34	3/4		3/4		3/4		3/4	
11	1,987.74	11	1,624.68	11	1,260.89	11	905.40	11	547.70	11	183.76	11		11		11		11	
1/4	1,980.19	1/4	1,617.11	1/4	1,253.31	1/4	898.13	1/4	540.13	1/4	176.18	1/4		1/4		1/4		1/4	
1/2	1,972.64	1/2	1,609.53	1/2	1,245.73	1/2	890.86	1/2	532.55	1/2	168.59	1/2		1/2		1/2		1/2	
3/4	1,965.09	3/4	1,601.95	3/4	1,238.15	3/4	883.59	3/4	524.98	3/4	161.01	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/12/2007 CL - SW
CALCULATED: 01/14/2007 CL
PRINTED: 01/14/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2007

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



BARGE "KIRBY 28721"

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.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0	4,271.52	0	4,015.23	0	3,740.74	0	3,443.07	0	3,078.50	0	2,713.91		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,266.36	1/4	4,009.68	1/4	3,734.90	1/4	3,435.47	1/4	3,070.90	1/4	2,706.31		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,261.20	1/2	4,004.12	1/2	3,729.07	1/2	3,427.88	1/2	3,063.31	1/2	2,698.71		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,256.04	3/4	3,998.57	3/4	3,723.23	3/4	3,420.28	3/4	3,055.71	3/4	2,691.11		
1		1		1		1	4,483.49	1	4,250.88	1	3,993.02	1	3,717.40	1	3,412.69	1	3,048.12	1	2,683.51		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,480.18	1/4	4,245.68	1/4	3,987.44	1/4	3,711.56	1/4	3,405.09	1/4	3,040.52	1/4	2,675.91		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,476.88	1/2	4,240.49	1/2	3,981.86	1/2	3,705.73	1/2	3,397.50	1/2	3,032.93	1/2	2,668.31		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,473.57	3/4	4,235.30	3/4	3,976.28	3/4	3,699.89	3/4	3,389.90	3/4	3,025.33	3/4	2,660.71		
2		2		2		2	4,470.27	2	4,230.10	2	3,970.69	2	3,694.06	2	3,382.31	2	3,017.74	2	2,653.11		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,465.70	1/4	4,224.88	1/4	3,965.08	1/4	3,688.22	1/4	3,374.71	1/4	3,010.14	1/4	2,645.51		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,461.13	1/2	4,219.65	1/2	3,959.46	1/2	3,682.39	1/2	3,367.11	1/2	3,002.55	1/2	2,637.91		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,456.56	3/4	4,214.43	3/4	3,953.85	3/4	3,676.56	3/4	3,359.52	3/4	2,994.95	3/4	2,630.31		
3		3		3		3	4,451.99	3	4,209.20	3	3,948.23	3	3,670.72	3	3,351.92	3	2,987.35	3	2,622.71		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,446.96	1/4	4,203.94	1/4	3,942.58	1/4	3,664.89	1/4	3,344.33	1/4	2,979.76	1/4	2,615.12		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,441.93	1/2	4,198.68	1/2	3,936.94	1/2	3,659.05	1/2	3,336.73	1/2	2,972.16	1/2	2,607.52		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,436.91	3/4	4,193.42	3/4	3,931.29	3/4	3,653.22	3/4	3,329.14	3/4	2,964.57	3/4	2,599.92		
4		4		4		4	4,431.88	4	4,188.17	4	3,925.64	4	3,647.38	4	3,321.54	4	2,956.97	4	2,592.32		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,427.00	1/4	4,182.88	1/4	3,919.96	1/4	3,641.55	1/4	3,313.95	1/4	2,949.38	1/4	2,584.72		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,422.12	1/2	4,177.58	1/2	3,914.28	1/2	3,635.71	1/2	3,306.35	1/2	2,941.78	1/2	2,577.12		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,417.25	3/4	4,172.29	3/4	3,908.60	3/4	3,629.88	3/4	3,298.76	3/4	2,934.19	3/4	2,569.52		
5		5		5		5	4,412.37	5	4,167.00	5	3,902.92	5	3,624.04	5	3,291.16	5	2,926.59	5	2,561.92		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,407.44	1/4	4,161.68	1/4	3,897.20	1/4	3,618.21	1/4	3,283.57	1/4	2,919.00	1/4	2,554.32		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,402.51	1/2	4,156.36	1/2	3,891.49	1/2	3,612.37	1/2	3,275.97	1/2	2,911.40	1/2	2,546.72		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,397.58	3/4	4,151.03	3/4	3,885.78	3/4	3,606.54	3/4	3,268.38	3/4	2,903.81	3/4	2,539.12		
6		6		6		6	4,392.66	6	4,145.71	6	3,880.07	6	3,600.71	6	3,260.78	6	2,896.21	6	2,531.52		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,387.69	1/4	4,140.35	1/4	3,874.32	1/4	3,594.87	1/4	3,253.19	1/4	2,888.62	1/4	2,523.92		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,382.72	1/2	4,135.00	1/2	3,868.58	1/2	3,589.04	1/2	3,245.59	1/2	2,881.02	1/2	2,516.32		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,377.76	3/4	4,129.64	3/4	3,862.83	3/4	3,583.20	3/4	3,238.00	3/4	2,873.43	3/4	2,508.72		
7		7		7		7	4,372.79	7	4,124.29	7	3,857.09	7	3,577.37	7	3,230.40	7	2,865.83	7	2,501.13		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,367.79	1/4	4,118.90	1/4	3,851.31	1/4	3,571.53	1/4	3,222.81	1/4	2,858.24	1/4	2,493.53		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,362.79	1/2	4,113.51	1/2	3,845.53	1/2	3,565.70	1/2	3,215.21	1/2	2,850.64	1/2	2,485.93		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,357.80	3/4	4,108.12	3/4	3,839.75	3/4	3,559.86	3/4	3,207.62	3/4	2,843.05	3/4	2,478.33		
8		8		8		8	4,352.80	8	4,102.73	8	3,833.97	8	3,554.03	8	3,200.02	8	2,835.45	8	2,470.73		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,347.77	1/4	4,097.31	1/4	3,828.16	1/4	3,548.19	1/4	3,192.43	1/4	2,827.86	1/4	2,463.13		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,342.73	1/2	4,091.89	1/2	3,822.35	1/2	3,542.36	1/2	3,184.83	1/2	2,820.26	1/2	2,455.53		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,337.70	3/4	4,086.47	3/4	3,816.54	3/4	3,536.52	3/4	3,177.23	3/4	2,812.67	3/4	2,447.93		
9		9		9		9	4,332.67	9	4,081.05	9	3,810.73	9	3,530.69	9	3,169.64	9	2,805.07	9	2,440.33		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,327.61	1/4	4,075.60	1/4	3,804.90	1/4	3,523.97	1/4	3,162.04	1/4	2,797.47	1/4	2,432.73		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,322.55	1/2	4,070.15	1/2	3,799.07	1/2	3,517.26	1/2	3,154.45	1/2	2,789.88	1/2	2,425.13		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,317.48	3/4	4,064.69	3/4	3,793.24	3/4	3,510.54	3/4	3,146.85	3/4	2,782.28	3/4	2,417.53		
10		10		10		10	4,312.42	10	4,059.24	10	3,787.41	10	3,503.83	10	3,139.26	10	2,774.69	10	2,409.93		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,307.32	1/4	4,053.75	1/4	3,781.58	1/4	3,496.23	1/4	3,131.66	1/4	2,767.09	1/4	2,402.33		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,302.23	1/2	4,048.27	1/2	3,775.74	1/2	3,488.64	1/2	3,124.07	1/2	2,759.50	1/2	2,394.74		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,297.13	3/4	4,042.78	3/4	3,769.91	3/4	3,481.04	3/4	3,116.47	3/4	2,751.90	3/4	2,387.14		
11		11		11		11	4,292.03	11	4,037.30	11	3,764.07	11	3,473.45	11	3,108.88	11	2,744.30	11	2,379.54		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,286.91	1/4	4,031.78	1/4	3,758.24	1/4	3,465.85	1/4	3,101.28	1/4	2,736.70	1/4	2,371.94		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,281.78	1/2	4,026.26	1/2	3,752.40	1/2	3,458.26	1/2	3,093.69	1/2	2,729.10	1/2	2,364.34		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,276.65	3/4	4,020.74	3/4	3,746.57	3/4	3,450.66	3/4	3,086.09	3/4	2,721.51	3/4	2,356.74		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-10" OFF CENTERLINE AND 52'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28721"

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	2,349.14	0	1,984.37	0	1,619.91	0	1,255.11	0	890.48	0	525.70	0	161.04	0		0		0	
1/4	2,341.54	1/4	1,976.77	1/4	1,612.31	1/4	1,247.51	1/4	882.88	1/4	518.10	1/4	153.89	1/4		1/4		1/4	
1/2	2,333.94	1/2	1,969.17	1/2	1,604.71	1/2	1,239.91	1/2	875.28	1/2	510.50	1/2	146.74	1/2		1/2		1/2	
3/4	2,326.34	3/4	1,961.58	3/4	1,597.11	3/4	1,232.31	3/4	867.68	3/4	502.90	3/4	139.59	3/4		3/4		3/4	
1	2,318.74	1	1,953.98	1	1,589.51	1	1,224.71	1	860.09	1	495.30	1	132.44	1		1		1	
1/4	2,311.14	1/4	1,946.38	1/4	1,581.91	1/4	1,217.11	1/4	852.49	1/4	487.70	1/4	126.37	1/4		1/4		1/4	
1/2	2,303.54	1/2	1,938.78	1/2	1,574.31	1/2	1,209.51	1/2	844.89	1/2	480.10	1/2	120.29	1/2		1/2		1/2	
3/4	2,295.94	3/4	1,931.18	3/4	1,566.71	3/4	1,201.91	3/4	837.29	3/4	472.50	3/4	114.21	3/4		3/4		3/4	
2	2,288.35	2	1,923.58	2	1,559.11	2	1,194.31	2	829.69	2	464.90	2	108.14	2		2		2	
1/4	2,280.75	1/4	1,915.98	1/4	1,551.51	1/4	1,186.71	1/4	822.09	1/4	457.30	1/4	103.34	1/4		1/4		1/4	
1/2	2,273.15	1/2	1,908.38	1/2	1,543.91	1/2	1,179.11	1/2	814.49	1/2	449.70	1/2	98.53	1/2		1/2		1/2	
3/4	2,265.55	3/4	1,900.78	3/4	1,536.31	3/4	1,171.51	3/4	806.89	3/4	442.10	3/4	93.73	3/4		3/4		3/4	
3	2,257.95	3	1,893.18	3	1,528.71	3	1,163.91	3	799.29	3	434.50	3	88.93	3		3		3	
1/4	2,250.35	1/4	1,885.58	1/4	1,521.11	1/4	1,156.31	1/4	791.69	1/4	426.90	1/4	85.41	1/4		1/4		1/4	
1/2	2,242.75	1/2	1,877.98	1/2	1,513.51	1/2	1,148.71	1/2	784.09	1/2	419.30	1/2	81.89	1/2		1/2		1/2	
3/4	2,235.15	3/4	1,870.38	3/4	1,505.91	3/4	1,141.11	3/4	776.49	3/4	411.70	3/4	78.37	3/4		3/4		3/4	
4	2,227.55	4	1,862.78	4	1,498.31	4	1,133.51	4	768.89	4	404.10	4	74.84	4		4		4	
1/4	2,219.95	1/4	1,855.19	1/4	1,490.71	1/4	1,125.92	1/4	761.29	1/4	396.50	1/4	72.60	1/4		1/4		1/4	
1/2	2,212.35	1/2	1,847.59	1/2	1,483.11	1/2	1,118.32	1/2	753.69	1/2	388.90	1/2	70.36	1/2		1/2		1/2	
3/4	2,204.75	3/4	1,839.99	3/4	1,475.51	3/4	1,110.72	3/4	746.09	3/4	381.30	3/4	68.12	3/4		3/4		3/4	
5	2,197.15	5	1,832.39	5	1,467.91	5	1,103.12	5	738.49	5	373.70	5	65.88	5		5		5	
1/4	2,189.55	1/4	1,824.79	1/4	1,460.31	1/4	1,095.53	1/4	730.89	1/4	366.10	1/4	64.93	1/4		1/4		1/4	
1/2	2,181.96	1/2	1,817.20	1/2	1,452.71	1/2	1,087.93	1/2	723.29	1/2	358.50	1/2	63.99	1/2		1/2		1/2	
3/4	2,174.36	3/4	1,809.60	3/4	1,445.11	3/4	1,080.34	3/4	715.69	3/4	350.90	3/4	63.04	3/4		3/4		3/4	
6	2,166.76	6	1,802.01	6	1,437.51	6	1,072.75	6	708.09	6	343.30	6	62.09	6		6		6	
1/4	2,159.16	1/4	1,794.43	1/4	1,429.91	1/4	1,065.15	1/4	700.49	1/4	335.70	1/4		1/4		1/4		1/4	
1/2	2,151.56	1/2	1,786.84	1/2	1,422.31	1/2	1,057.56	1/2	692.89	1/2	328.10	1/2		1/2		1/2		1/2	
3/4	2,143.96	3/4	1,779.26	3/4	1,414.71	3/4	1,049.96	3/4	685.29	3/4	320.50	3/4		3/4		3/4		3/4	
7	2,136.36	7	1,771.67	7	1,407.11	7	1,042.37	7	677.69	7	312.90	7	7	7		7		7	
1/4	2,128.76	1/4	1,764.09	1/4	1,399.51	1/4	1,034.77	1/4	670.09	1/4	305.30	1/4		1/4		1/4		1/4	
1/2	2,121.16	1/2	1,756.51	1/2	1,391.91	1/2	1,027.18	1/2	662.49	1/2	297.70	1/2		1/2		1/2		1/2	
3/4	2,113.56	3/4	1,748.93	3/4	1,384.31	3/4	1,019.58	3/4	654.89	3/4	290.10	3/4		3/4		3/4		3/4	
8	2,105.96	8	1,741.35	8	1,376.71	8	1,011.99	8	647.29	8	282.50	8	8	8		8		8	
1/4	2,098.36	1/4	1,733.77	1/4	1,369.11	1/4	1,004.39	1/4	639.69	1/4	274.90	1/4		1/4		1/4		1/4	
1/2	2,090.76	1/2	1,726.19	1/2	1,361.51	1/2	996.80	1/2	632.09	1/2	267.30	1/2		1/2		1/2		1/2	
3/4	2,083.16	3/4	1,718.61	3/4	1,353.91	3/4	989.21	3/4	624.49	3/4	259.70	3/4		3/4		3/4		3/4	
9	2,075.56	9	1,711.03	9	1,346.31	9	981.61	9	616.89	9	252.10	9	9	9		9		9	
1/4	2,067.97	1/4	1,703.45	1/4	1,338.71	1/4	974.02	1/4	609.29	1/4	244.51	1/4		1/4		1/4		1/4	
1/2	2,060.37	1/2	1,695.87	1/2	1,331.11	1/2	966.42	1/2	601.69	1/2	236.92	1/2		1/2		1/2		1/2	
3/4	2,052.77	3/4	1,688.28	3/4	1,323.51	3/4	958.83	3/4	594.09	3/4	229.32	3/4		3/4		3/4		3/4	
10	2,045.17	10	1,680.70	10	1,315.91	10	951.23	10	586.49	10	221.73	10	10	10		10		10	
1/4	2,037.57	1/4	1,673.10	1/4	1,308.31	1/4	943.64	1/4	578.89	1/4	214.14	1/4		1/4		1/4		1/4	
1/2	2,029.97	1/2	1,665.50	1/2	1,300.71	1/2	936.04	1/2	571.29	1/2	206.56	1/2		1/2		1/2		1/2	
3/4	2,022.37	3/4	1,657.91	3/4	1,293.11	3/4	928.45	3/4	563.69	3/4	198.97	3/4		3/4		3/4		3/4	
11	2,014.77	11	1,650.31	11	1,285.51	11	920.85	11	556.09	11	191.39	11	11	11		11		11	
1/4	2,007.17	1/4	1,642.71	1/4	1,277.91	1/4	913.26	1/4	548.49	1/4	183.80	1/4		1/4		1/4		1/4	
1/2	1,999.57	1/2	1,635.11	1/2	1,270.31	1/2	905.66	1/2	540.89	1/2	176.21	1/2		1/2		1/2		1/2	
3/4	1,991.97	3/4	1,627.51	3/4	1,262.71	3/4	898.07	3/4	533.30	3/4	168.63	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/12/2007 CL - SW
CALCULATED: 01/14/2007 CL
PRINTED: 01/14/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2007

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



BARGE "KIRBY 28721"

SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	1,128	0	2,257	0		0		0		0		0		0		0	
1/4	24	1/4	1,152	1/4	2,280	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	47	1/2	1,175	1/2	2,304	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	71	3/4	1,199	3/4	2,327	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	94	1	1,222	1	2,351	1		1		1		1		1		1		1	
1/4	118	1/4	1,246	1/4	2,374	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	141	1/2	1,269	1/2	2,398	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165	3/4	1,293	3/4	2,421	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	188	2	1,316	2	2,445	2		2		2		2		2		2		2	
1/4	212	1/4	1,340	1/4	2,468	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	235	1/2	1,363	1/2	2,492	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	259	3/4	1,387	3/4	2,515	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	282	3	1,410	3	2,539	3		3		3		3		3		3		3	
1/4	306	1/4	1,434	1/4	2,562	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	329	1/2	1,457	1/2	2,586	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	353	3/4	1,481	3/4	2,609	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	376	4	1,504	4	2,633	4		4		4		4		4		4		4	
1/4	400	1/4	1,528	1/4	2,656	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	423	1/2	1,551	1/2	2,680	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	447	3/4	1,575	3/4	2,703	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	470	5	1,598	5	2,727	5		5		5		5		5		5		5	
1/4	494	1/4	1,622	1/4	2,750	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	517	1/2	1,645	1/2	2,774	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	541	3/4	1,669	3/4	2,797	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	564	6	1,692	6	2,821	6		6		6		6		6		6		6	
1/4	588	1/4	1,716	1/4	2,844	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	611	1/2	1,739	1/2	2,868	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	635	3/4	1,763	3/4	2,891	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	658	7	1,786	7	2,915	7		7		7		7		7		7		7	
1/4	682	1/4	1,810	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	705	1/2	1,834	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	729	3/4	1,857	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	752	8	1,881	8		8		8		8		8		8		8		8	
1/4	776	1/4	1,904	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	799	1/2	1,928	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	823	3/4	1,951	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	846	9	1,975	9		9		9		9		9		9		9		9	
1/4	870	1/4	1,998	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	893	1/2	2,022	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	917	3/4	2,045	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	940	10	2,069	10		10		10		10		10		10		10		10	
1/4	964	1/4	2,092	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	987	1/2	2,116	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,011	3/4	2,139	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	1,034	11	2,163	11		11		11		11		11		11		11		11	
1/4	1,058	1/4	2,186	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,081	1/2	2,210	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,105	3/4	2,233	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.

STRAPPED: 02/09/2022 JS
CALCULATED: 02/10/2022 CL
PRINTED: 02/10/2022 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2022

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 28721"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	100	0	257	0	413	0	513	0		0		0		0		0	
1/4	1	1/4	103	1/4	260	1/4	416	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	106	1/2	263	1/2	419	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	109	3/4	267	3/4	422	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	112	1	270	1	424	1		1		1		1		1		1	
1/4	4	1/4	115	1/4	274	1/4	427	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5	1/2	118	1/2	277	1/2	430	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	6	3/4	121	3/4	280	3/4	433	3/4		3/4		3/4		3/4		3/4		3/4	
2	7	2	124	2	284	2	436	2		2		2		2		2		2	
1/4	9	1/4	128	1/4	287	1/4	438	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	10	1/2	131	1/2	291	1/2	441	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	134	3/4	294	3/4	444	3/4		3/4		3/4		3/4		3/4		3/4	
3	13	3	137	3	297	3	446	3		3		3		3		3		3	
1/4	15	1/4	140	1/4	301	1/4	449	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	17	1/2	143	1/2	304	1/2	452	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	19	3/4	147	3/4	307	3/4	454	3/4		3/4		3/4		3/4		3/4		3/4	
4	20	4	150	4	311	4	457	4		4		4		4		4		4	
1/4	22	1/4	153	1/4	314	1/4	459	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	24	1/2	156	1/2	317	1/2	462	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	26	3/4	159	3/4	321	3/4	464	3/4		3/4		3/4		3/4		3/4		3/4	
5	28	5	163	5	324	5	467	5		5		5		5		5		5	
1/4	31	1/4	166	1/4	327	1/4	469	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	33	1/2	169	1/2	331	1/2	471	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	35	3/4	172	3/4	334	3/4	474	3/4		3/4		3/4		3/4		3/4		3/4	
6	37	6	176	6	337	6	476	6		6		6		6		6		6	
1/4	39	1/4	179	1/4	341	1/4	478	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	42	1/2	182	1/2	344	1/2	480	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	44	3/4	186	3/4	347	3/4	483	3/4		3/4		3/4		3/4		3/4		3/4	
7	46	7	189	7	350	7	485	7		7		7		7		7		7	
1/4	49	1/4	192	1/4	354	1/4	487	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	51	1/2	196	1/2	357	1/2	489	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	54	3/4	199	3/4	360	3/4	491	3/4		3/4		3/4		3/4		3/4		3/4	
8	56	8	202	8	363	8	493	8		8		8		8		8		8	
1/4	59	1/4	206	1/4	367	1/4	494	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	61	1/2	209	1/2	370	1/2	496	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	64	3/4	212	3/4	373	3/4	498	3/4		3/4		3/4		3/4		3/4		3/4	
9	67	9	216	9	376	9	500	9		9		9		9		9		9	
1/4	69	1/4	219	1/4	379	1/4	501	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	72	1/2	223	1/2	382	1/2	503	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	75	3/4	226	3/4	385	3/4	504	3/4		3/4		3/4		3/4		3/4		3/4	
10	77	10	229	10	389	10	506	10		10		10		10		10		10	
1/4	80	1/4	233	1/4	392	1/4	507	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	83	1/2	236	1/2	395	1/2	508	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	86	3/4	240	3/4	398	3/4	509	3/4		3/4		3/4		3/4		3/4		3/4	
11	89	11	243	11	401	11	510	11		11		11		11		11		11	
1/4	92	1/4	246	1/4	404	1/4	511	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	95	1/2	250	1/2	407	1/2	512	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	97	3/4	253	3/4	410	3/4	512	3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.

STRAPPED: 02/09/2022 JS
 CALCULATED: 02/10/2022 CL
 PRINTED: 02/10/2022 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 02/2022

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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