



BARGE "KIRBY 30341B"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8
1 STBD	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8
2 PORT	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8
2 STBD	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8
3 PORT	00-1/2	- 00-1/2	01-0/8	- 01-0/8	01-1/2	- 01-1/2	02-0/8	- 02-0/8	02-5/8	- 02-5/8	03-1/8	- 03-1/8
3 STBD	00-1/2	- 00-1/2	01-0/8	- 01-0/8	01-1/2	- 01-1/2	02-0/8	- 02-0/8	02-5/8	- 02-5/8	03-1/8	- 03-1/8

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

LENGTH BETWEEN DRAFT MARKS: 285'-03"

March 14, 2007

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 30341B"

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	
0		0		0		0		0	4,965.87	0	4,594.93	0	4,204.60	0	3,809.05	0	3,413.50	0	3,017.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,302.63	1/4	4,958.35	1/4	4,586.98	1/4	4,196.36	1/4	3,800.81	1/4	3,405.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,297.82	1/2	4,950.82	1/2	4,579.03	1/2	4,188.12	1/2	3,792.57	1/2	3,397.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,293.01	3/4	4,943.29	3/4	4,571.09	3/4	4,179.88	3/4	3,784.33	3/4	3,388.78
1		1		1		1		1	5,286.83	1	4,935.73	1	4,563.10	1	4,171.64	1	3,776.09	1	3,380.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,280.65	1/4	4,928.17	1/4	4,555.12	1/4	4,163.40	1/4	3,767.85	1/4	3,372.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,274.46	1/2	4,920.61	1/2	4,547.14	1/2	4,155.16	1/2	3,759.61	1/2	3,364.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,268.28	3/4	4,913.05	3/4	4,539.16	3/4	4,146.92	3/4	3,751.37	3/4	3,355.82
2		2		2		2		2	5,260.72	2	4,905.45	2	4,531.14	2	4,138.67	2	3,743.13	2	3,347.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,253.16	1/4	4,897.86	1/4	4,523.12	1/4	4,130.43	1/4	3,734.89	1/4	3,339.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,245.61	1/2	4,890.26	1/2	4,515.11	1/2	4,122.19	1/2	3,726.64	1/2	3,331.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,238.05	3/4	4,882.66	3/4	4,507.09	3/4	4,113.95	3/4	3,718.40	3/4	3,322.86
3		3		3		3		3	5,230.84	3	4,875.03	3	4,499.04	3	4,105.71	3	3,710.16	3	3,314.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,223.63	1/4	4,867.40	1/4	4,490.99	1/4	4,097.47	1/4	3,701.92	1/4	3,306.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,216.42	1/2	4,859.77	1/2	4,482.93	1/2	4,089.23	1/2	3,693.68	1/2	3,298.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,209.20	3/4	4,852.14	3/4	4,474.88	3/4	4,080.99	3/4	3,685.44	3/4	3,289.89
4		4		4		4		4	5,201.96	4	4,844.47	4	4,466.79	4	4,072.75	4	3,677.20	4	3,281.65
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,194.71	1/4	4,836.80	1/4	4,458.71	1/4	4,064.51	1/4	3,668.96	1/4	3,273.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,187.47	1/2	4,829.14	1/2	4,450.62	1/2	4,056.27	1/2	3,660.72	1/2	3,265.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,180.22	3/4	4,821.47	3/4	4,442.53	3/4	4,048.03	3/4	3,652.48	3/4	3,256.93
5		5		5		5		5	5,172.94	5	4,813.77	5	4,434.41	5	4,039.79	5	3,644.24	5	3,248.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,165.66	1/4	4,806.07	1/4	4,426.29	1/4	4,031.55	1/4	3,636.00	1/4	3,240.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,158.38	1/2	4,798.36	1/2	4,418.16	1/2	4,023.31	1/2	3,627.76	1/2	3,232.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,151.09	3/4	4,790.66	3/4	4,410.04	3/4	4,015.07	3/4	3,619.52	3/4	3,223.97
6		6		6		6		6	5,143.78	6	4,782.92	6	4,401.88	6	4,006.83	6	3,611.28	6	3,215.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,136.46	1/4	4,775.19	1/4	4,393.73	1/4	3,998.58	1/4	3,603.04	1/4	3,207.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,129.15	1/2	4,767.45	1/2	4,385.57	1/2	3,990.34	1/2	3,594.80	1/2	3,199.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,121.83	3/4	4,759.71	3/4	4,377.41	3/4	3,982.10	3/4	3,586.55	3/4	3,191.01
7		7		7		7		7	5,114.48	7	4,751.94	7	4,369.22	7	3,973.86	7	3,578.31	7	3,182.77
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,107.13	1/4	4,744.17	1/4	4,361.03	1/4	3,965.62	1/4	3,570.07	1/4	3,174.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,099.78	1/2	4,736.40	1/2	4,352.83	1/2	3,957.38	1/2	3,561.83	1/2	3,166.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,092.42	3/4	4,728.63	3/4	4,344.64	3/4	3,949.14	3/4	3,553.59	3/4	3,158.04
8		8		8		8		8	5,085.04	8	4,720.82	8	4,336.41	8	3,940.90	8	3,545.35	8	3,149.80
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,077.65	1/4	4,713.01	1/4	4,328.18	1/4	3,932.66	1/4	3,537.11	1/4	3,141.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,070.26	1/2	4,705.21	1/2	4,319.96	1/2	3,924.42	1/2	3,528.87	1/2	3,133.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,062.88	3/4	4,697.40	3/4	4,311.73	3/4	3,916.18	3/4	3,520.63	3/4	3,125.08
9		9		9		9		9	5,055.46	9	4,689.56	9	4,303.49	9	3,907.94	9	3,512.39	9	3,116.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,048.04	1/4	4,681.72	1/4	4,295.25	1/4	3,899.70	1/4	3,504.15	1/4	3,108.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,040.61	1/2	4,673.87	1/2	4,287.01	1/2	3,891.46	1/2	3,495.91	1/2	3,100.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,033.19	3/4	4,666.03	3/4	4,278.76	3/4	3,883.22	3/4	3,487.67	3/4	3,092.12
10		10		10		10		10	5,025.74	10	4,658.15	10	4,270.52	10	3,874.98	10	3,479.43	10	3,083.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,018.28	1/4	4,650.28	1/4	4,262.28	1/4	3,866.73	1/4	3,471.19	1/4	3,075.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,010.82	1/2	4,642.40	1/2	4,254.04	1/2	3,858.49	1/2	3,462.95	1/2	3,067.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,003.37	3/4	4,634.52	3/4	4,245.80	3/4	3,850.25	3/4	3,454.70	3/4	3,059.14
11		11		11		11		11	4,995.88	11	4,626.61	11	4,237.56	11	3,842.01	11	3,446.46	11	3,050.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,988.38	1/4	4,618.70	1/4	4,229.32	1/4	3,833.77	1/4	3,438.22	1/4	3,042.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,980.89	1/2	4,610.79	1/2	4,221.08	1/2	3,825.53	1/2	3,429.98	1/2	3,034.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,973.40	3/4	4,602.88	3/4	4,212.84	3/4	3,817.29	3/4	3,421.74	3/4	3,026.16

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 53'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

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<http://www.pmacorp.net>



BARGE "KIRBY 30341B"

1 PORT ULLAGE TABLE

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

GAUGE 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	2,622.15	0	2,226.38	0	1,830.62	0	1,435.43	0	1,040.37	0	644.62	0	249.30	0		0		0	
1/4	2,613.90	1/4	2,218.14	1/4	1,822.37	1/4	1,427.21	1/4	1,032.12	1/4	636.37	1/4	241.33	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,605.66	1/2	2,209.89	1/2	1,814.13	1/2	1,418.99	1/2	1,023.88	1/2	628.13	1/2	233.36	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,597.41	3/4	2,201.65	3/4	1,805.88	3/4	1,410.76	3/4	1,015.64	3/4	619.88	3/4	225.39	3/4	3/4	3/4	3/4	3/4	3/4
1	2,589.17	1	2,193.40	1	1,797.64	1	1,402.54	1	1,007.39	1	611.64	1	217.42	1		1		1	
1/4	2,580.92	1/4	2,185.16	1/4	1,789.39	1/4	1,394.32	1/4	999.15	1/4	603.40	1/4	209.45	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,572.68	1/2	2,176.91	1/2	1,781.15	1/2	1,386.10	1/2	990.90	1/2	595.15	1/2	201.48	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,564.43	3/4	2,168.67	3/4	1,772.90	3/4	1,377.88	3/4	982.66	3/4	586.91	3/4	193.51	3/4	3/4	3/4	3/4	3/4	3/4
2	2,556.19	2	2,160.42	2	1,764.66	2	1,369.65	2	974.41	2	578.66	2	185.56	2		2		2	
1/4	2,547.94	1/4	2,152.18	1/4	1,756.41	1/4	1,361.43	1/4	966.17	1/4	570.42	1/4	177.60	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,539.70	1/2	2,143.93	1/2	1,748.17	1/2	1,353.21	1/2	957.92	1/2	562.17	1/2	169.64	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,531.45	3/4	2,135.69	3/4	1,739.92	3/4	1,344.99	3/4	949.68	3/4	553.93	3/4	161.68	3/4	3/4	3/4	3/4	3/4	3/4
3	2,523.21	3	2,127.44	3	1,731.68	3	1,336.77	3	941.43	3	545.68	3	153.74	3		3		3	
1/4	2,514.96	1/4	2,119.20	1/4	1,723.43	1/4	1,328.54	1/4	933.19	1/4	537.44	1/4	145.80	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,506.72	1/2	2,110.95	1/2	1,715.19	1/2	1,320.32	1/2	924.94	1/2	529.19	1/2	137.86	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,498.47	3/4	2,102.71	3/4	1,706.94	3/4	1,312.10	3/4	916.70	3/4	520.95	3/4	129.92	3/4	3/4	3/4	3/4	3/4	3/4
4	2,490.23	4	2,094.46	4	1,698.70	4	1,303.88	4	908.45	4	512.70	4	121.99	4		4		4	
1/4	2,481.98	1/4	2,086.22	1/4	1,690.45	1/4	1,295.67	1/4	900.21	1/4	504.46	1/4	114.06	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,473.74	1/2	2,077.97	1/2	1,682.21	1/2	1,287.45	1/2	891.96	1/2	496.21	1/2	106.13	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,465.49	3/4	2,069.73	3/4	1,673.96	3/4	1,279.23	3/4	883.72	3/4	487.97	3/4	98.20	3/4	3/4	3/4	3/4	3/4	3/4
5	2,457.25	5	2,061.48	5	1,665.72	5	1,271.02	5	875.47	5	479.72	5	90.32	5		5		5	
1/4	2,449.00	1/4	2,053.24	1/4	1,657.47	1/4	1,262.80	1/4	867.23	1/4	471.48	1/4	82.43	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,440.76	1/2	2,044.99	1/2	1,649.23	1/2	1,254.58	1/2	858.98	1/2	463.23	1/2	74.55	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,432.51	3/4	2,036.75	3/4	1,640.98	3/4	1,246.37	3/4	850.74	3/4	454.99	3/4	66.67	3/4	3/4	3/4	3/4	3/4	3/4
6	2,424.27	6	2,028.50	6	1,632.76	6	1,238.13	6	842.49	6	446.74	6	59.46	6		6		6	
1/4	2,416.02	1/4	2,020.26	1/4	1,624.54	1/4	1,229.89	1/4	834.25	1/4	438.50	1/4	52.25	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,407.78	1/2	2,012.01	1/2	1,616.31	1/2	1,221.65	1/2	826.00	1/2	430.25	1/2	45.04	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,399.53	3/4	2,003.77	3/4	1,608.09	3/4	1,213.41	3/4	817.76	3/4	422.01	3/4	37.83	3/4	3/4	3/4	3/4	3/4	3/4
7	2,391.28	7	1,995.52	7	1,599.87	7	1,205.17	7	809.52	7	413.76	7	32.68	7		7		7	
1/4	2,383.04	1/4	1,987.28	1/4	1,591.65	1/4	1,196.93	1/4	801.27	1/4	405.52	1/4	27.53	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,374.79	1/2	1,979.03	1/2	1,583.43	1/2	1,188.69	1/2	793.03	1/2	397.28	1/2	22.37	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,366.55	3/4	1,970.78	3/4	1,575.20	3/4	1,180.45	3/4	784.78	3/4	389.03	3/4	17.22	3/4	3/4	3/4	3/4	3/4	3/4
8	2,358.30	8	1,962.54	8	1,566.98	8	1,172.21	8	776.54	8	380.79	8		8		8		8	
1/4	2,350.06	1/4	1,954.29	1/4	1,558.76	1/4	1,163.97	1/4	768.29	1/4	372.54	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,341.81	1/2	1,946.05	1/2	1,550.54	1/2	1,155.73	1/2	760.05	1/2	364.30	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,333.57	3/4	1,937.80	3/4	1,542.32	3/4	1,147.49	3/4	751.80	3/4	356.05	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,325.32	9	1,929.56	9	1,534.09	9	1,139.25	9	743.56	9	347.82	9		9		9		9	
1/4	2,317.08	1/4	1,921.31	1/4	1,525.87	1/4	1,131.01	1/4	735.31	1/4	339.59	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,308.83	1/2	1,913.07	1/2	1,517.65	1/2	1,122.77	1/2	727.07	1/2	331.36	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,300.59	3/4	1,904.82	3/4	1,509.43	3/4	1,114.53	3/4	718.82	3/4	323.13	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,292.34	10	1,896.58	10	1,501.21	10	1,106.29	10	710.58	10	314.89	10		10		10		10	
1/4	2,284.10	1/4	1,888.33	1/4	1,492.98	1/4	1,098.05	1/4	702.33	1/4	306.66	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,275.85	1/2	1,880.09	1/2	1,484.76	1/2	1,089.81	1/2	694.09	1/2	298.43	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,267.61	3/4	1,871.84	3/4	1,476.54	3/4	1,081.57	3/4	685.84	3/4	290.20	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,259.36	11	1,863.60	11	1,468.32	11	1,073.33	11	677.60	11	281.97	11		11		11		11	
1/4	2,251.12	1/4	1,855.35	1/4	1,460.10	1/4	1,065.09	1/4	669.35	1/4	273.74	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,242.87	1/2	1,847.11	1/2	1,451.87	1/2	1,056.85	1/2	661.11	1/2	265.51	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,234.63	3/4	1,838.86	3/4	1,443.65	3/4	1,048.61	3/4	652.86	3/4	257.28	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/13/2007 CL - SW
CALCULATED: 03/14/2007 CL
PRINTED: 03/14/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2007

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



BARGE "KIRBY 30341B"

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	4,963.20	0	4,592.54	0	4,202.50	0	3,807.24	0	3,411.99	0	3,016.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,299.69	1/4	4,955.68	1/4	4,584.60	1/4	4,194.26	1/4	3,799.01	1/4	3,403.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,294.89	1/2	4,948.16	1/2	4,576.66	1/2	4,186.03	1/2	3,790.77	1/2	3,395.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,290.08	3/4	4,940.64	3/4	4,568.72	3/4	4,177.80	3/4	3,782.54	3/4	3,387.28
1		1		1		1		1	5,283.90	1	4,933.08	1	4,560.74	1	4,169.56	1	3,774.31	1	3,379.05
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,277.72	1/4	4,925.53	1/4	4,552.77	1/4	4,161.33	1/4	3,766.07	1/4	3,370.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,271.54	1/2	4,917.97	1/2	4,544.79	1/2	4,153.09	1/2	3,757.84	1/2	3,362.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,265.36	3/4	4,910.42	3/4	4,536.81	3/4	4,144.86	3/4	3,749.60	3/4	3,354.35
2		2		2		2		2	5,257.81	2	4,902.82	2	4,528.80	2	4,136.62	2	3,741.37	2	3,346.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,250.26	1/4	4,895.23	1/4	4,520.79	1/4	4,128.39	1/4	3,733.13	1/4	3,337.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,242.71	1/2	4,887.64	1/2	4,512.78	1/2	4,120.15	1/2	3,724.90	1/2	3,329.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,235.15	3/4	4,880.05	3/4	4,504.77	3/4	4,111.92	3/4	3,716.66	3/4	3,321.41
3		3		3		3		3	5,227.95	3	4,872.43	3	4,496.72	3	4,103.69	3	3,708.43	3	3,313.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,220.74	1/4	4,864.80	1/4	4,488.68	1/4	4,095.45	1/4	3,700.19	1/4	3,304.94
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,213.54	1/2	4,857.18	1/2	4,480.63	1/2	4,087.22	1/2	3,691.96	1/2	3,296.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,206.33	3/4	4,849.55	3/4	4,472.59	3/4	4,078.98	3/4	3,683.73	3/4	3,288.47
4		4		4		4		4	5,199.09	4	4,841.89	4	4,464.50	4	4,070.75	4	3,675.49	4	3,280.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,191.85	1/4	4,834.23	1/4	4,456.42	1/4	4,062.51	1/4	3,667.26	1/4	3,272.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,184.61	1/2	4,826.57	1/2	4,448.34	1/2	4,054.28	1/2	3,659.02	1/2	3,263.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,177.37	3/4	4,818.91	3/4	4,440.26	3/4	4,046.04	3/4	3,650.79	3/4	3,255.53
5		5		5		5		5	5,170.10	5	4,811.21	5	4,432.14	5	4,037.81	5	3,642.55	5	3,247.30
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,162.82	1/4	4,803.52	1/4	4,424.03	1/4	4,029.57	1/4	3,634.32	1/4	3,239.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,155.55	1/2	4,795.82	1/2	4,415.91	1/2	4,021.34	1/2	3,626.08	1/2	3,230.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,148.27	3/4	4,788.12	3/4	4,407.80	3/4	4,013.11	3/4	3,617.85	3/4	3,222.59
6		6		6		6		6	5,140.96	6	4,780.39	6	4,399.64	6	4,004.87	6	3,609.62	6	3,214.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,133.65	1/4	4,772.66	1/4	4,391.49	1/4	3,996.64	1/4	3,601.38	1/4	3,206.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,126.34	1/2	4,764.93	1/2	4,383.34	1/2	3,988.40	1/2	3,593.15	1/2	3,197.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,119.03	3/4	4,757.20	3/4	4,375.19	3/4	3,980.17	3/4	3,584.91	3/4	3,189.66
7		7		7		7		7	5,111.68	7	4,749.44	7	4,367.00	7	3,971.93	7	3,576.68	7	3,181.42
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,104.34	1/4	4,741.67	1/4	4,358.82	1/4	3,963.70	1/4	3,568.44	1/4	3,173.19
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,096.99	1/2	4,733.90	1/2	4,350.63	1/2	3,955.46	1/2	3,560.21	1/2	3,164.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,089.65	3/4	4,726.14	3/4	4,342.44	3/4	3,947.23	3/4	3,551.97	3/4	3,156.72
8		8		8		8		8	5,082.27	8	4,718.34	8	4,334.22	8	3,939.00	8	3,543.74	8	3,148.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,074.89	1/4	4,710.54	1/4	4,326.00	1/4	3,930.76	1/4	3,535.50	1/4	3,140.25
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,067.51	1/2	4,702.74	1/2	4,317.77	1/2	3,922.53	1/2	3,527.27	1/2	3,132.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,060.13	3/4	4,694.93	3/4	4,309.55	3/4	3,914.29	3/4	3,519.04	3/4	3,123.78
9		9		9		9		9	5,052.71	9	4,687.10	9	4,301.31	9	3,906.06	9	3,510.80	9	3,115.55
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,045.30	1/4	4,679.26	1/4	4,293.08	1/4	3,897.82	1/4	3,502.57	1/4	3,107.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,037.88	1/2	4,671.43	1/2	4,284.84	1/2	3,889.59	1/2	3,494.33	1/2	3,099.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,030.46	3/4	4,663.59	3/4	4,276.61	3/4	3,881.35	3/4	3,486.10	3/4	3,090.84
10		10		10		10		10	5,023.01	10	4,655.72	10	4,268.38	10	3,873.12	10	3,477.86	10	3,082.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,015.56	1/4	4,647.85	1/4	4,260.14	1/4	3,864.88	1/4	3,469.63	1/4	3,074.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,008.11	1/2	4,639.98	1/2	4,251.91	1/2	3,856.65	1/2	3,461.39	1/2	3,066.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,000.66	3/4	4,632.11	3/4	4,243.67	3/4	3,848.42	3/4	3,453.16	3/4	3,057.89
11		11		11		11		11	4,993.18	11	4,624.20	11	4,235.44	11	3,840.18	11	3,444.93	11	3,049.65
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,985.69	1/4	4,616.29	1/4	4,227.20	1/4	3,831.95	1/4	3,436.69	1/4	3,041.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,978.21	1/2	4,608.39	1/2	4,218.97	1/2	3,823.71	1/2	3,428.46	1/2	3,033.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,970.72	3/4	4,600.48	3/4	4,210.73	3/4	3,815.48	3/4	3,420.22	3/4	3,024.93

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 53'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 30341B"

1 STBD
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	2,621.22	0	2,225.76	0	1,830.49	0	1,435.00	0	1,039.67	0	644.19	0	249.13	0		0		0	
1/4	2,612.99	1/4	2,217.52	1/4	1,822.25	1/4	1,426.76	1/4	1,031.43	1/4	635.95	1/4	241.17	1/4	1/4	1/4		1/4	1/4
1/2	2,604.75	1/2	2,209.28	1/2	1,814.01	1/2	1,418.52	1/2	1,023.19	1/2	627.71	1/2	233.20	1/2	1/2	1/2		1/2	1/2
3/4	2,596.51	3/4	2,201.04	3/4	1,805.78	3/4	1,410.28	3/4	1,014.95	3/4	619.47	3/4	225.23	3/4	3/4	3/4		3/4	3/4
1	2,588.27	1	2,192.80	1	1,797.54	1	1,402.04	1	1,006.71	1	611.23	1	217.27	1		1		1	
1/4	2,580.03	1/4	2,184.56	1/4	1,789.30	1/4	1,393.80	1/4	998.48	1/4	602.99	1/4	209.31	1/4	1/4	1/4		1/4	1/4
1/2	2,571.79	1/2	2,176.32	1/2	1,781.06	1/2	1,385.56	1/2	990.24	1/2	594.75	1/2	201.35	1/2	1/2	1/2		1/2	1/2
3/4	2,563.55	3/4	2,168.09	3/4	1,772.82	3/4	1,377.32	3/4	982.00	3/4	586.51	3/4	193.38	3/4	3/4	3/4		3/4	3/4
2	2,555.31	2	2,159.85	2	1,764.58	2	1,369.08	2	973.76	2	578.27	2	185.43	2		2		2	
1/4	2,547.07	1/4	2,151.61	1/4	1,756.34	1/4	1,360.84	1/4	965.52	1/4	570.03	1/4	177.48	1/4	1/4	1/4		1/4	1/4
1/2	2,538.84	1/2	2,143.37	1/2	1,748.10	1/2	1,352.60	1/2	957.28	1/2	561.79	1/2	169.53	1/2	1/2	1/2		1/2	1/2
3/4	2,530.60	3/4	2,135.13	3/4	1,739.86	3/4	1,344.36	3/4	949.04	3/4	553.55	3/4	161.57	3/4	3/4	3/4		3/4	3/4
3	2,522.36	3	2,126.89	3	1,731.62	3	1,336.12	3	940.80	3	545.31	3	153.64	3		3		3	
1/4	2,514.12	1/4	2,118.65	1/4	1,723.38	1/4	1,327.88	1/4	932.56	1/4	537.07	1/4	145.70	1/4	1/4	1/4		1/4	1/4
1/2	2,505.88	1/2	2,110.41	1/2	1,715.14	1/2	1,319.64	1/2	924.32	1/2	528.84	1/2	137.77	1/2	1/2	1/2		1/2	1/2
3/4	2,497.64	3/4	2,102.17	3/4	1,706.90	3/4	1,311.41	3/4	916.08	3/4	520.60	3/4	129.83	3/4	3/4	3/4		3/4	3/4
4	2,489.40	4	2,093.93	4	1,698.66	4	1,303.17	4	907.84	4	512.36	4	121.91	4		4		4	
1/4	2,481.16	1/4	2,085.70	1/4	1,690.42	1/4	1,294.94	1/4	899.60	1/4	504.12	1/4	113.98	1/4	1/4	1/4		1/4	1/4
1/2	2,472.92	1/2	2,077.46	1/2	1,682.18	1/2	1,286.70	1/2	891.36	1/2	495.88	1/2	106.06	1/2	1/2	1/2		1/2	1/2
3/4	2,464.69	3/4	2,069.22	3/4	1,673.94	3/4	1,278.47	3/4	883.13	3/4	487.64	3/4	98.14	3/4	3/4	3/4		3/4	3/4
5	2,456.45	5	2,060.99	5	1,665.70	5	1,270.23	5	874.89	5	479.40	5	90.26	5		5		5	
1/4	2,448.21	1/4	2,052.75	1/4	1,657.46	1/4	1,262.00	1/4	866.65	1/4	471.16	1/4	82.38	1/4	1/4	1/4		1/4	1/4
1/2	2,439.97	1/2	2,044.52	1/2	1,649.22	1/2	1,253.77	1/2	858.41	1/2	462.92	1/2	74.50	1/2	1/2	1/2		1/2	1/2
3/4	2,431.73	3/4	2,036.29	3/4	1,640.99	3/4	1,245.53	3/4	850.17	3/4	454.68	3/4	66.62	3/4	3/4	3/4		3/4	3/4
6	2,423.49	6	2,028.06	6	1,632.75	6	1,237.30	6	841.93	6	446.44	6	59.42	6		6		6	
1/4	2,415.25	1/4	2,019.84	1/4	1,624.51	1/4	1,229.06	1/4	833.69	1/4	438.20	1/4	52.22	1/4	1/4	1/4		1/4	1/4
1/2	2,407.01	1/2	2,011.61	1/2	1,616.27	1/2	1,220.83	1/2	825.45	1/2	429.96	1/2	45.01	1/2	1/2	1/2		1/2	1/2
3/4	2,398.77	3/4	2,003.39	3/4	1,608.03	3/4	1,212.60	3/4	817.21	3/4	421.72	3/4	37.81	3/4	3/4	3/4		3/4	3/4
7	2,390.54	7	1,995.16	7	1,599.79	7	1,204.36	7	808.97	7	413.48	7	32.66	7		7		7	
1/4	2,382.30	1/4	1,986.94	1/4	1,591.55	1/4	1,196.13	1/4	800.73	1/4	405.25	1/4	27.51	1/4	1/4	1/4		1/4	1/4
1/2	2,374.06	1/2	1,978.71	1/2	1,583.31	1/2	1,187.89	1/2	792.49	1/2	397.01	1/2	22.36	1/2	1/2	1/2		1/2	1/2
3/4	2,365.82	3/4	1,970.49	3/4	1,575.07	3/4	1,179.66	3/4	784.25	3/4	388.77	3/4	17.21	3/4	3/4	3/4		3/4	3/4
8	2,357.58	8	1,962.26	8	1,566.83	8	1,171.42	8	776.01	8	380.53	8		8		8		8	
1/4	2,349.34	1/4	1,954.04	1/4	1,558.59	1/4	1,163.19	1/4	767.77	1/4	372.29	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,341.10	1/2	1,945.81	1/2	1,550.35	1/2	1,154.96	1/2	759.54	1/2	364.05	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,332.86	3/4	1,937.58	3/4	1,542.11	3/4	1,146.72	3/4	751.30	3/4	355.81	3/4		3/4	3/4	3/4		3/4	3/4
9	2,324.62	9	1,929.35	9	1,533.87	9	1,138.49	9	743.06	9	347.58	9		9		9		9	
1/4	2,316.39	1/4	1,921.12	1/4	1,525.63	1/4	1,130.25	1/4	734.82	1/4	339.36	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,308.15	1/2	1,912.88	1/2	1,517.39	1/2	1,122.02	1/2	726.58	1/2	331.13	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,299.91	3/4	1,904.65	3/4	1,509.15	3/4	1,113.78	3/4	718.34	3/4	322.91	3/4		3/4	3/4	3/4		3/4	3/4
10	2,291.67	10	1,896.41	10	1,500.91	10	1,105.55	10	710.10	10	314.68	10		10		10		10	
1/4	2,283.43	1/4	1,888.17	1/4	1,492.67	1/4	1,097.32	1/4	701.86	1/4	306.46	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,275.19	1/2	1,879.93	1/2	1,484.43	1/2	1,089.08	1/2	693.62	1/2	298.23	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,266.95	3/4	1,871.69	3/4	1,476.20	3/4	1,080.85	3/4	685.38	3/4	290.00	3/4		3/4	3/4	3/4		3/4	3/4
11	2,258.71	11	1,863.45	11	1,467.96	11	1,072.61	11	677.14	11	281.78	11		11		11		11	
1/4	2,250.47	1/4	1,855.21	1/4	1,459.72	1/4	1,064.38	1/4	668.90	1/4	273.55	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,242.24	1/2	1,846.97	1/2	1,451.48	1/2	1,056.15	1/2	660.66	1/2	265.33	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,234.00	3/4	1,838.73	3/4	1,443.24	3/4	1,047.91	3/4	652.42	3/4	257.10	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/13/2007 CL - SW
CALCULATED: 03/14/2007 CL
PRINTED: 03/14/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2007

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



BARGE "KIRBY 30341B"

2 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-08"

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	4,942.98	0	4,573.80	0	4,185.09	0	3,790.84	0	3,396.59	0	3,002.31		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,935.48	1/4	4,565.88	1/4	4,176.87	1/4	3,782.63	1/4	3,388.38	1/4	2,994.09		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,270.96	1/2	4,927.98	1/2	4,557.96	1/2	4,168.66	1/2	3,774.41	1/2	3,380.16	1/2	2,985.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,266.17	3/4	4,920.48	3/4	4,550.04	3/4	4,160.45	3/4	3,766.20	3/4	3,371.95	3/4	2,977.66
1		1		1		1		1	5,261.38	1	4,912.99	1	4,542.12	1	4,152.23	1	3,757.99	1	3,363.74	1	2,969.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,255.21	1/4	4,905.45	1/4	4,534.17	1/4	4,144.02	1/4	3,749.77	1/4	3,355.52	1/4	2,961.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,249.05	1/2	4,897.92	1/2	4,526.21	1/2	4,135.81	1/2	3,741.56	1/2	3,347.31	1/2	2,953.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,242.89	3/4	4,890.39	3/4	4,518.26	3/4	4,127.59	3/4	3,733.35	3/4	3,339.10	3/4	2,944.78
2		2		2		2		2	5,236.72	2	4,882.85	2	4,510.31	2	4,119.38	2	3,725.13	2	3,330.88	2	2,936.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,229.19	1/4	4,875.28	1/4	4,502.32	1/4	4,111.17	1/4	3,716.92	1/4	3,322.67	1/4	2,928.35
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,221.66	1/2	4,867.72	1/2	4,494.33	1/2	4,102.95	1/2	3,708.70	1/2	3,314.46	1/2	2,920.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,214.12	3/4	4,860.15	3/4	4,486.34	3/4	4,094.74	3/4	3,700.49	3/4	3,306.24	3/4	2,911.91
3		3		3		3		3	5,206.59	3	4,852.58	3	4,478.35	3	4,086.53	3	3,692.28	3	3,298.03	3	2,903.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,199.41	1/4	4,844.98	1/4	4,470.32	1/4	4,078.31	1/4	3,684.06	1/4	3,289.82	1/4	2,895.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,192.23	1/2	4,837.37	1/2	4,462.30	1/2	4,070.10	1/2	3,675.85	1/2	3,281.60	1/2	2,887.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,185.04	3/4	4,829.77	3/4	4,454.27	3/4	4,061.89	3/4	3,667.64	3/4	3,273.39	3/4	2,879.04
4		4		4		4		4	5,177.86	4	4,822.17	4	4,446.25	4	4,053.67	4	3,659.42	4	3,265.18	4	2,870.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,170.64	1/4	4,814.53	1/4	4,438.19	1/4	4,045.46	1/4	3,651.21	1/4	3,256.96	1/4	2,862.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,163.43	1/2	4,806.89	1/2	4,430.13	1/2	4,037.24	1/2	3,643.00	1/2	3,248.75	1/2	2,854.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,156.21	3/4	4,799.25	3/4	4,422.07	3/4	4,029.03	3/4	3,634.78	3/4	3,240.54	3/4	2,846.17
5		5		5		5		5	5,148.99	5	4,791.61	5	4,414.01	5	4,020.82	5	3,626.57	5	3,232.32	5	2,837.95
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,141.74	1/4	4,783.94	1/4	4,405.91	1/4	4,012.60	1/4	3,618.36	1/4	3,224.11	1/4	2,829.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,134.49	1/2	4,776.26	1/2	4,397.82	1/2	4,004.39	1/2	3,610.14	1/2	3,215.89	1/2	2,821.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,127.24	3/4	4,768.59	3/4	4,389.72	3/4	3,996.18	3/4	3,601.93	3/4	3,207.68	3/4	2,813.30
6		6		6		6		6	5,119.98	6	4,760.92	6	4,381.63	6	3,987.96	6	3,593.72	6	3,199.47	6	2,805.08
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,112.70	1/4	4,753.21	1/4	4,373.50	1/4	3,979.75	1/4	3,585.50	1/4	3,191.25	1/4	2,796.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,105.41	1/2	4,745.50	1/2	4,365.37	1/2	3,971.54	1/2	3,577.29	1/2	3,183.04	1/2	2,788.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,098.12	3/4	4,737.79	3/4	4,357.24	3/4	3,963.32	3/4	3,569.08	3/4	3,174.83	3/4	2,780.43
7		7		7		7		7	5,090.83	7	4,730.08	7	4,349.11	7	3,955.11	7	3,560.86	7	3,166.61	7	2,772.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,083.51	1/4	4,722.34	1/4	4,340.94	1/4	3,946.90	1/4	3,552.65	1/4	3,158.40	1/4	2,763.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,076.19	1/2	4,714.59	1/2	4,332.78	1/2	3,938.68	1/2	3,544.43	1/2	3,150.19	1/2	2,755.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,068.87	3/4	4,706.85	3/4	4,324.61	3/4	3,930.47	3/4	3,536.22	3/4	3,141.97	3/4	2,747.55
8		8		8		8		8	5,061.54	8	4,699.11	8	4,316.45	8	3,922.26	8	3,528.01	8	3,133.76	8	2,739.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,054.19	1/4	4,691.33	1/4	4,308.25	1/4	3,914.04	1/4	3,519.79	1/4	3,125.55	1/4	2,731.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,046.83	1/2	4,683.55	1/2	4,300.05	1/2	3,905.83	1/2	3,511.58	1/2	3,117.33	1/2	2,722.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,039.47	3/4	4,675.77	3/4	4,291.85	3/4	3,897.62	3/4	3,503.37	3/4	3,109.12	3/4	2,714.68
9		9		9		9		9	5,032.11	9	4,667.99	9	4,283.65	9	3,889.40	9	3,495.15	9	3,100.91	9	2,706.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,024.72	1/4	4,660.18	1/4	4,275.44	1/4	3,881.19	1/4	3,486.94	1/4	3,092.69	1/4	2,698.25
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,017.33	1/2	4,652.36	1/2	4,267.22	1/2	3,872.97	1/2	3,478.73	1/2	3,084.48	1/2	2,690.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,009.93	3/4	4,644.55	3/4	4,259.01	3/4	3,864.76	3/4	3,470.51	3/4	3,076.27	3/4	2,681.81
10		10		10		10		10	5,002.54	10	4,636.73	10	4,250.80	10	3,856.55	10	3,462.30	10	3,068.05	10	2,673.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,995.11	1/4	4,628.89	1/4	4,242.58	1/4	3,848.33	1/4	3,454.09	1/4	3,059.83	1/4	2,665.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,987.69	1/2	4,621.04	1/2	4,234.37	1/2	3,840.12	1/2	3,445.87	1/2	3,051.62	1/2	2,657.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,980.26	3/4	4,613.19	3/4	4,226.16	3/4	3,831.91	3/4	3,437.66	3/4	3,043.40	3/4	2,648.94
11		11		11		11		11	4,972.83	11	4,605.34	11	4,217.94	11	3,823.69	11	3,429.45	11	3,035.18	11	2,640.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,965.37	1/4	4,597.45	1/4	4,209.73	1/4	3,815.48	1/4	3,421.23	1/4	3,026.96	1/4	2,632.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,957.90	1/2	4,589.57	1/2	4,201.51	1/2	3,807.27	1/2	3,413.02	1/2	3,018.74	1/2	2,624.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,950.44	3/4	4,581.69	3/4	4,193.30	3/4	3,799.05	3/4	3,404.81	3/4	3,010.53	3/4	2,616.07

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 30341B"

2 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-08"

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	2,607.85	0	2,213.39	0	1,818.93	0	1,425.72	0	1,045.13	0	650.68	0	256.40	0		0		0	
1/4	2,599.63	1/4	2,205.17	1/4	1,810.71	1/4	1,417.81	1/4	1,036.91	1/4	642.46	1/4	248.45	1/4	1/4	1/4		1/4	1/4
1/2	2,591.41	1/2	2,196.95	1/2	1,802.50	1/2	1,409.90	1/2	1,028.69	1/2	634.25	1/2	240.51	1/2	1/2	1/2		1/2	1/2
3/4	2,583.20	3/4	2,188.74	3/4	1,794.28	3/4	1,402.00	3/4	1,020.47	3/4	626.03	3/4	232.56	3/4	3/4	3/4		3/4	3/4
1	2,574.98	1	2,180.52	1	1,786.06	1	1,394.09	1	1,012.26	1	617.81	1	224.62	1		1		1	
1/4	2,566.76	1/4	2,172.30	1/4	1,777.84	1/4	1,386.19	1/4	1,004.04	1/4	609.59	1/4	216.68	1/4	1/4	1/4		1/4	1/4
1/2	2,558.54	1/2	2,164.08	1/2	1,769.62	1/2	1,378.28	1/2	995.82	1/2	601.38	1/2	208.74	1/2	1/2	1/2		1/2	1/2
3/4	2,550.32	3/4	2,155.87	3/4	1,761.41	3/4	1,370.37	3/4	987.60	3/4	593.16	3/4	200.80	3/4	3/4	3/4		3/4	3/4
2	2,542.11	2	2,147.65	2	1,753.19	2	1,362.47	2	979.39	2	584.94	2	192.86	2		2		2	
1/4	2,533.89	1/4	2,139.43	1/4	1,744.97	1/4	1,354.56	1/4	971.17	1/4	576.72	1/4	184.93	1/4	1/4	1/4		1/4	1/4
1/2	2,525.67	1/2	2,131.21	1/2	1,736.75	1/2	1,346.65	1/2	962.95	1/2	568.51	1/2	177.00	1/2	1/2	1/2		1/2	1/2
3/4	2,517.45	3/4	2,122.99	3/4	1,728.53	3/4	1,338.75	3/4	954.73	3/4	560.29	3/4	169.07	3/4	3/4	3/4		3/4	3/4
3	2,509.23	3	2,114.78	3	1,720.32	3	1,330.84	3	946.52	3	552.07	3	161.14	3		3		3	
1/4	2,501.02	1/4	2,106.56	1/4	1,712.10	1/4	1,322.93	1/4	938.30	1/4	543.85	1/4	153.22	1/4	1/4	1/4		1/4	1/4
1/2	2,492.80	1/2	2,098.34	1/2	1,703.88	1/2	1,315.03	1/2	930.08	1/2	535.64	1/2	145.31	1/2	1/2	1/2		1/2	1/2
3/4	2,484.58	3/4	2,090.12	3/4	1,695.66	3/4	1,307.12	3/4	921.86	3/4	527.42	3/4	137.40	3/4	3/4	3/4		3/4	3/4
4	2,476.36	4	2,081.90	4	1,687.44	4	1,299.21	4	913.64	4	519.20	4	129.48	4		4		4	
1/4	2,468.15	1/4	2,073.69	1/4	1,679.23	1/4	1,291.31	1/4	905.43	1/4	510.98	1/4	121.58	1/4	1/4	1/4		1/4	1/4
1/2	2,459.93	1/2	2,065.47	1/2	1,671.01	1/2	1,283.41	1/2	897.21	1/2	502.76	1/2	113.68	1/2	1/2	1/2		1/2	1/2
3/4	2,451.71	3/4	2,057.25	3/4	1,662.79	3/4	1,275.51	3/4	888.99	3/4	494.55	3/4	105.78	3/4	3/4	3/4		3/4	3/4
5	2,443.49	5	2,049.03	5	1,654.57	5	1,267.61	5	880.77	5	486.33	5	97.88	5		5		5	
1/4	2,435.27	1/4	2,040.81	1/4	1,646.36	1/4	1,259.71	1/4	872.56	1/4	478.11	1/4	90.02	1/4	1/4	1/4		1/4	1/4
1/2	2,427.06	1/2	2,032.60	1/2	1,638.14	1/2	1,251.81	1/2	864.34	1/2	469.89	1/2	82.16	1/2	1/2	1/2		1/2	1/2
3/4	2,418.84	3/4	2,024.38	3/4	1,629.92	3/4	1,243.91	3/4	856.12	3/4	461.68	3/4	74.31	3/4	3/4	3/4		3/4	3/4
6	2,410.62	6	2,016.16	6	1,621.70	6	1,236.00	6	847.90	6	453.46	6	66.45	6		6		6	
1/4	2,402.40	1/4	2,007.94	1/4	1,613.48	1/4	1,228.10	1/4	839.69	1/4	445.24	1/4	59.27	1/4	1/4	1/4		1/4	1/4
1/2	2,394.18	1/2	1,999.72	1/2	1,605.27	1/2	1,220.20	1/2	831.47	1/2	437.02	1/2	52.08	1/2	1/2	1/2		1/2	1/2
3/4	2,385.97	3/4	1,991.51	3/4	1,597.05	3/4	1,212.30	3/4	823.25	3/4	428.81	3/4	44.90	3/4	3/4	3/4		3/4	3/4
7	2,377.75	7	1,983.29	7	1,588.83	7	1,204.40	7	815.03	7	420.59	7	37.71	7		7		7	
1/4	2,369.53	1/4	1,975.07	1/4	1,580.61	1/4	1,196.50	1/4	806.82	1/4	412.37	1/4	32.58	1/4	1/4	1/4		1/4	1/4
1/2	2,361.31	1/2	1,966.85	1/2	1,572.39	1/2	1,188.60	1/2	798.60	1/2	404.15	1/2	27.44	1/2	1/2	1/2		1/2	1/2
3/4	2,353.09	3/4	1,958.64	3/4	1,564.18	3/4	1,180.70	3/4	790.38	3/4	395.94	3/4	22.30	3/4	3/4	3/4		3/4	3/4
8	2,344.88	8	1,950.42	8	1,555.96	8	1,172.79	8	782.16	8	387.72	8	17.17	8		8		8	
1/4	2,336.66	1/4	1,942.20	1/4	1,547.74	1/4	1,164.89	1/4	773.95	1/4	379.50	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,328.44	1/2	1,933.98	1/2	1,539.52	1/2	1,156.99	1/2	765.73	1/2	371.28	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,320.22	3/4	1,925.76	3/4	1,531.30	3/4	1,149.09	3/4	757.51	3/4	363.07	3/4		3/4	3/4	3/4		3/4	3/4
9	2,312.01	9	1,917.55	9	1,523.09	9	1,141.19	9	749.29	9	354.85	9		9		9		9	
1/4	2,303.79	1/4	1,909.33	1/4	1,514.87	1/4	1,133.29	1/4	741.08	1/4	346.64	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,295.57	1/2	1,901.11	1/2	1,506.65	1/2	1,125.39	1/2	732.86	1/2	338.44	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,287.35	3/4	1,892.89	3/4	1,498.43	3/4	1,117.49	3/4	724.64	3/4	330.24	3/4		3/4	3/4	3/4		3/4	3/4
10	2,279.13	10	1,884.67	10	1,490.22	10	1,109.58	10	716.42	10	322.03	10		10		10		10	
1/4	2,270.92	1/4	1,876.46	1/4	1,482.00	1/4	1,101.68	1/4	708.20	1/4	313.83	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,262.70	1/2	1,868.24	1/2	1,473.78	1/2	1,093.78	1/2	699.99	1/2	305.62	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,254.48	3/4	1,860.02	3/4	1,465.56	3/4	1,085.88	3/4	691.77	3/4	297.42	3/4		3/4	3/4	3/4		3/4	3/4
11	2,246.26	11	1,851.80	11	1,457.34	11	1,077.98	11	683.55	11	289.22	11		11		11		11	
1/4	2,238.04	1/4	1,843.58	1/4	1,449.44	1/4	1,069.77	1/4	675.33	1/4	281.01	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,229.83	1/2	1,835.37	1/2	1,441.53	1/2	1,061.55	1/2	667.12	1/2	272.81	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,221.61	3/4	1,827.15	3/4	1,433.62	3/4	1,053.34	3/4	658.90	3/4	264.60	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/13/2007 CL - SW
CALCULATED: 03/14/2007 CL
PRINTED: 03/14/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2007

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



BARGE "KIRBY 30341B"

**2 STBD
ULLAGE TABLE**

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

GAUGE HEIGHT 16'-08"

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	2,618.51	0	2,224.46	0	1,832.25	0	1,438.14	0	1,044.21	0	650.11	0	256.17	0		0		0	
1/4	2,610.30	1/4	2,216.25	1/4	1,824.04	1/4	1,429.93	1/4	1,036.00	1/4	641.90	1/4	248.24	1/4	1/4	1/4		1/4	1/4
1/2	2,602.09	1/2	2,208.04	1/2	1,815.83	1/2	1,421.72	1/2	1,027.79	1/2	633.69	1/2	240.30	1/2	1/2	1/2		1/2	1/2
3/4	2,593.88	3/4	2,199.83	3/4	1,807.62	3/4	1,413.51	3/4	1,019.58	3/4	625.48	3/4	232.36	3/4	3/4	3/4		3/4	3/4
1	2,585.67	1	2,191.62	1	1,799.41	1	1,405.30	1	1,011.37	1	617.27	1	224.42	1		1		1	1
1/4	2,577.46	1/4	2,183.41	1/4	1,791.19	1/4	1,397.09	1/4	1,003.16	1/4	609.06	1/4	216.49	1/4	1/4	1/4		1/4	1/4
1/2	2,569.26	1/2	2,175.20	1/2	1,782.98	1/2	1,388.88	1/2	994.95	1/2	600.85	1/2	208.56	1/2	1/2	1/2		1/2	1/2
3/4	2,561.05	3/4	2,166.99	3/4	1,774.77	3/4	1,380.66	3/4	986.74	3/4	592.64	3/4	200.62	3/4	3/4	3/4		3/4	3/4
2	2,552.84	2	2,158.78	2	1,766.56	2	1,372.45	2	978.53	2	584.43	2	192.69	2		2		2	2
1/4	2,544.63	1/4	2,150.57	1/4	1,758.35	1/4	1,364.24	1/4	970.32	1/4	576.22	1/4	184.77	1/4	1/4	1/4		1/4	1/4
1/2	2,536.42	1/2	2,142.36	1/2	1,750.14	1/2	1,356.03	1/2	962.11	1/2	568.01	1/2	176.84	1/2	1/2	1/2		1/2	1/2
3/4	2,528.21	3/4	2,134.15	3/4	1,741.93	3/4	1,347.82	3/4	953.89	3/4	559.80	3/4	168.92	3/4	3/4	3/4		3/4	3/4
3	2,520.00	3	2,125.94	3	1,733.72	3	1,339.61	3	945.68	3	551.59	3	161.00	3		3		3	3
1/4	2,511.79	1/4	2,117.73	1/4	1,725.51	1/4	1,331.40	1/4	937.47	1/4	543.37	1/4	153.09	1/4	1/4	1/4		1/4	1/4
1/2	2,503.58	1/2	2,109.52	1/2	1,717.30	1/2	1,323.19	1/2	929.26	1/2	535.16	1/2	145.18	1/2	1/2	1/2		1/2	1/2
3/4	2,495.37	3/4	2,101.31	3/4	1,709.09	3/4	1,314.98	3/4	921.05	3/4	526.95	3/4	137.28	3/4	3/4	3/4		3/4	3/4
4	2,487.16	4	2,093.10	4	1,700.88	4	1,306.77	4	912.84	4	518.74	4	129.37	4		4		4	4
1/4	2,478.95	1/4	2,084.89	1/4	1,692.67	1/4	1,298.56	1/4	904.63	1/4	510.53	1/4	121.47	1/4	1/4	1/4		1/4	1/4
1/2	2,470.74	1/2	2,076.69	1/2	1,684.46	1/2	1,290.36	1/2	896.42	1/2	502.32	1/2	113.58	1/2	1/2	1/2		1/2	1/2
3/4	2,462.53	3/4	2,068.48	3/4	1,676.25	3/4	1,282.15	3/4	888.21	3/4	494.11	3/4	105.68	3/4	3/4	3/4		3/4	3/4
5	2,454.32	5	2,060.27	5	1,668.04	5	1,273.95	5	880.00	5	485.90	5	97.79	5		5		5	5
1/4	2,446.11	1/4	2,052.11	1/4	1,659.83	1/4	1,265.74	1/4	871.79	1/4	477.69	1/4	89.94	1/4	1/4	1/4		1/4	1/4
1/2	2,437.90	1/2	2,043.96	1/2	1,651.61	1/2	1,257.54	1/2	863.58	1/2	469.48	1/2	82.09	1/2	1/2	1/2		1/2	1/2
3/4	2,429.69	3/4	2,035.81	3/4	1,643.40	3/4	1,249.33	3/4	855.37	3/4	461.27	3/4	74.24	3/4	3/4	3/4		3/4	3/4
6	2,421.48	6	2,027.66	6	1,635.19	6	1,241.13	6	847.16	6	453.06	6	66.39	6		6		6	6
1/4	2,413.27	1/4	2,019.57	1/4	1,626.98	1/4	1,232.92	1/4	838.95	1/4	444.85	1/4	59.21	1/4	1/4	1/4		1/4	1/4
1/2	2,405.07	1/2	2,011.47	1/2	1,618.77	1/2	1,224.72	1/2	830.74	1/2	436.64	1/2	52.04	1/2	1/2	1/2		1/2	1/2
3/4	2,396.86	3/4	2,003.38	3/4	1,610.56	3/4	1,216.51	3/4	822.53	3/4	428.43	3/4	44.86	3/4	3/4	3/4		3/4	3/4
7	2,388.65	7	1,995.29	7	1,602.35	7	1,208.31	7	814.32	7	420.22	7	37.68	7		7		7	7
1/4	2,380.44	1/4	1,987.19	1/4	1,594.14	1/4	1,200.10	1/4	806.11	1/4	412.01	1/4	32.55	1/4	1/4	1/4		1/4	1/4
1/2	2,372.23	1/2	1,979.10	1/2	1,585.93	1/2	1,191.90	1/2	797.90	1/2	403.80	1/2	27.41	1/2	1/2	1/2		1/2	1/2
3/4	2,364.02	3/4	1,971.01	3/4	1,577.72	3/4	1,183.69	3/4	789.69	3/4	395.59	3/4	22.28	3/4	3/4	3/4		3/4	3/4
8	2,355.81	8	1,962.91	8	1,569.51	8	1,175.49	8	781.48	8	387.38	8	17.15	8		8		8	8
1/4	2,347.60	1/4	1,954.82	1/4	1,561.30	1/4	1,167.28	1/4	773.27	1/4	379.17	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,339.39	1/2	1,946.73	1/2	1,553.09	1/2	1,159.08	1/2	765.06	1/2	370.96	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,331.18	3/4	1,938.63	3/4	1,544.88	3/4	1,150.87	3/4	756.85	3/4	362.75	3/4		3/4	3/4	3/4		3/4	3/4
9	2,322.97	9	1,930.54	9	1,536.67	9	1,142.67	9	748.63	9	354.54	9		9		9		9	9
1/4	2,314.76	1/4	1,922.39	1/4	1,528.46	1/4	1,134.46	1/4	740.42	1/4	346.34	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,306.55	1/2	1,914.24	1/2	1,520.24	1/2	1,126.26	1/2	732.21	1/2	338.14	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,298.34	3/4	1,906.08	3/4	1,512.03	3/4	1,118.05	3/4	724.00	3/4	329.95	3/4		3/4	3/4	3/4		3/4	3/4
10	2,290.13	10	1,897.93	10	1,503.82	10	1,109.85	10	715.79	10	321.75	10		10		10		10	10
1/4	2,281.92	1/4	1,889.72	1/4	1,495.61	1/4	1,101.64	1/4	707.58	1/4	313.55	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,273.71	1/2	1,881.51	1/2	1,487.40	1/2	1,093.44	1/2	699.37	1/2	305.35	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,265.50	3/4	1,873.30	3/4	1,479.19	3/4	1,085.23	3/4	691.16	3/4	297.16	3/4		3/4	3/4	3/4		3/4	3/4
11	2,257.29	11	1,865.09	11	1,470.98	11	1,077.03	11	682.95	11	288.96	11		11		11		11	11
1/4	2,249.08	1/4	1,856.88	1/4	1,462.77	1/4	1,068.82	1/4	674.74	1/4	280.76	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,240.88	1/2	1,848.67	1/2	1,454.56	1/2	1,060.62	1/2	666.53	1/2	272.57	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,232.67	3/4	1,840.46	3/4	1,446.35	3/4	1,052.41	3/4	658.32	3/4	264.37	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/13/2007 CL - SW
CALCULATED: 03/14/2007 CL
PRINTED: 03/14/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2007

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



BARGE "KIRBY 30341B"

3 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-06 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	4,620.61	0	4,333.12	0	4,030.08	0	3,706.26	0	3,314.36	0	2,922.58		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,614.78	1/4	4,326.96	1/4	4,023.66	1/4	3,698.09	1/4	3,306.20	1/4	2,914.42		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,608.95	1/2	4,320.79	1/2	4,017.24	1/2	3,689.93	1/2	3,298.03	1/2	2,906.26		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,603.12	3/4	4,314.63	3/4	4,010.82	3/4	3,681.76	3/4	3,289.87	3/4	2,898.10		
1		1		1		1		1	4,597.26	1	4,308.44	1	4,004.40	1	3,673.60	1	3,281.70	1	2,889.93		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,855.58	1/4	4,591.40	1/4	4,302.25	1/4	3,997.99	1/4	3,665.43	1/4	3,273.54	1/4	2,881.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,852.56	1/2	4,585.54	1/2	4,296.06	1/2	3,991.57	1/2	3,657.27	1/2	3,265.37	1/2	2,873.61
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,849.55	3/4	4,579.68	3/4	4,289.87	3/4	3,985.15	3/4	3,649.10	3/4	3,257.21	3/4	2,865.45
2		2		2		2		2	4,845.17	2	4,573.80	2	4,283.66	2	3,978.73	2	3,640.94	2	3,249.04	2	2,857.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,840.80	1/4	4,567.91	1/4	4,277.44	1/4	3,972.31	1/4	3,632.78	1/4	3,240.88	1/4	2,849.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,836.42	1/2	4,562.03	1/2	4,271.22	1/2	3,965.89	1/2	3,624.61	1/2	3,232.71	1/2	2,840.96
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,832.04	3/4	4,556.14	3/4	4,265.01	3/4	3,959.47	3/4	3,616.45	3/4	3,224.55	3/4	2,832.80
3		3		3		3		3	4,826.30	3	4,550.23	3	4,258.76	3	3,953.05	3	3,608.28	3	3,216.39	3	2,824.63
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,820.56	1/4	4,544.31	1/4	4,252.52	1/4	3,946.63	1/4	3,600.12	1/4	3,208.22	1/4	2,816.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,814.81	1/2	4,538.40	1/2	4,246.27	1/2	3,940.21	1/2	3,591.95	1/2	3,200.06	1/2	2,808.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,809.07	3/4	4,532.49	3/4	4,240.03	3/4	3,933.79	3/4	3,583.79	3/4	3,191.89	3/4	2,800.12
4		4		4		4		4	4,803.46	4	4,526.54	4	4,233.76	4	3,927.38	4	3,575.62	4	3,183.73	4	2,791.95
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,797.85	1/4	4,520.60	1/4	4,227.49	1/4	3,920.96	1/4	3,567.46	1/4	3,175.56	1/4	2,783.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,792.24	1/2	4,514.66	1/2	4,221.21	1/2	3,914.54	1/2	3,559.29	1/2	3,167.40	1/2	2,775.61
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,786.63	3/4	4,508.72	3/4	4,214.94	3/4	3,908.12	3/4	3,551.13	3/4	3,159.23	3/4	2,767.44
5		5		5		5		5	4,780.99	5	4,502.75	5	4,208.64	5	3,901.70	5	3,542.97	5	3,151.07	5	2,759.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,775.35	1/4	4,496.78	1/4	4,202.34	1/4	3,895.28	1/4	3,534.80	1/4	3,142.91	1/4	2,751.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,769.71	1/2	4,490.81	1/2	4,196.04	1/2	3,888.86	1/2	3,526.64	1/2	3,134.74	1/2	2,742.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,764.08	3/4	4,484.84	3/4	4,189.74	3/4	3,882.44	3/4	3,518.47	3/4	3,126.58	3/4	2,734.75
6		6		6		6		6	4,758.41	6	4,478.85	6	4,183.42	6	3,876.02	6	3,510.31	6	3,118.41	6	2,726.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,752.74	1/4	4,472.85	1/4	4,177.09	1/4	3,869.60	1/4	3,502.14	1/4	3,110.25	1/4	2,718.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,747.08	1/2	4,466.86	1/2	4,170.76	1/2	3,863.18	1/2	3,493.98	1/2	3,102.08	1/2	2,710.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,741.41	3/4	4,460.86	3/4	4,164.44	3/4	3,856.77	3/4	3,485.81	3/4	3,093.92	3/4	2,702.07
7		7		7		7		7	4,735.72	7	4,454.84	7	4,158.08	7	3,850.35	7	3,477.65	7	3,085.76	7	2,693.90
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,730.03	1/4	4,448.81	1/4	4,151.73	1/4	3,843.93	1/4	3,469.49	1/4	3,077.60	1/4	2,685.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,724.33	1/2	4,442.79	1/2	4,145.37	1/2	3,837.51	1/2	3,461.32	1/2	3,069.45	1/2	2,677.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,718.64	3/4	4,436.76	3/4	4,139.02	3/4	3,831.09	3/4	3,453.16	3/4	3,061.29	3/4	2,669.39
8		8		8		8		8	4,712.92	8	4,430.71	8	4,132.64	8	3,824.67	8	3,444.99	8	3,053.13	8	2,661.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,707.20	1/4	4,424.66	1/4	4,126.25	1/4	3,818.25	1/4	3,436.83	1/4	3,044.97	1/4	2,653.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,701.48	1/2	4,418.61	1/2	4,119.87	1/2	3,811.83	1/2	3,428.66	1/2	3,036.81	1/2	2,644.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,695.76	3/4	4,412.56	3/4	4,113.49	3/4	3,805.41	3/4	3,420.50	3/4	3,028.66	3/4	2,636.71
9		9		9		9		9	4,690.01	9	4,406.48	9	4,107.08	9	3,798.99	9	3,412.33	9	3,020.50	9	2,628.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,684.26	1/4	4,400.40	1/4	4,100.67	1/4	3,792.57	1/4	3,404.17	1/4	3,012.34	1/4	2,620.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,678.51	1/2	4,394.32	1/2	4,094.26	1/2	3,786.16	1/2	3,396.00	1/2	3,004.18	1/2	2,612.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,672.76	3/4	4,388.24	3/4	4,087.85	3/4	3,779.74	3/4	3,387.84	3/4	2,996.03	3/4	2,604.03
10		10		10		10		10	4,666.99	10	4,382.13	10	4,081.43	10	3,771.57	10	3,379.68	10	2,987.87	10	2,595.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,661.21	1/4	4,376.03	1/4	4,075.02	1/4	3,763.41	1/4	3,371.51	1/4	2,979.71	1/4	2,587.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,655.43	1/2	4,369.92	1/2	4,068.60	1/2	3,755.24	1/2	3,363.35	1/2	2,971.55	1/2	2,579.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,649.66	3/4	4,363.81	3/4	4,062.18	3/4	3,747.08	3/4	3,355.18	3/4	2,963.40	3/4	2,571.35
11		11		11		11		11	4,643.85	11	4,357.68	11	4,055.76	11	3,738.91	11	3,347.02	11	2,955.23	11	2,563.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,638.05	1/4	4,351.55	1/4	4,049.34	1/4	3,730.75	1/4	3,338.85	1/4	2,947.07	1/4	2,555.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,632.25	1/2	4,345.41	1/2	4,042.92	1/2	3,722.58	1/2	3,330.69	1/2	2,938.91	1/2	2,546.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,626.44	3/4	4,339.28	3/4	4,036.50	3/4	3,714.42	3/4	3,322.52	3/4	2,930.75	3/4	2,538.67

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 59'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 30341B"

3 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-06 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	2,530.50	0	2,139.15	0	1,747.81	0	1,355.79	0	973.51	0	587.50	0	195.33	0		0		0	
1/4	2,522.33	1/4	2,131.01	1/4	1,739.64	1/4	1,347.63	1/4	965.68	1/4	579.34	1/4	187.16	1/4		1/4		1/4	
1/2	2,514.16	1/2	2,122.87	1/2	1,731.48	1/2	1,339.46	1/2	957.85	1/2	571.19	1/2	178.99	1/2		1/2		1/2	
3/4	2,505.99	3/4	2,114.73	3/4	1,723.31	3/4	1,331.29	3/4	950.02	3/4	563.04	3/4	170.81	3/4		3/4		3/4	
1	2,497.82	1	2,106.60	1	1,715.14	1	1,323.13	1	942.19	1	554.88	1	163.49	1		1		1	
1/4	2,489.65	1/4	2,098.46	1/4	1,706.98	1/4	1,314.96	1/4	934.35	1/4	546.73	1/4	156.17	1/4		1/4		1/4	
1/2	2,481.48	1/2	2,090.32	1/2	1,698.81	1/2	1,306.79	1/2	926.52	1/2	538.57	1/2	148.84	1/2		1/2		1/2	
3/4	2,473.31	3/4	2,082.18	3/4	1,690.64	3/4	1,298.63	3/4	918.68	3/4	530.42	3/4	141.52	3/4		3/4		3/4	
2	2,465.13	2	2,074.05	2	1,682.47	2	1,290.46	2	910.85	2	522.27	2	135.37	2		2		2	
1/4	2,456.96	1/4	2,065.91	1/4	1,674.31	1/4	1,282.29	1/4	903.01	1/4	514.11	1/4	129.22	1/4		1/4		1/4	
1/2	2,448.79	1/2	2,057.77	1/2	1,666.14	1/2	1,274.12	1/2	895.18	1/2	505.96	1/2	123.08	1/2		1/2		1/2	
3/4	2,440.62	3/4	2,049.63	3/4	1,657.97	3/4	1,265.96	3/4	887.35	3/4	497.80	3/4	116.93	3/4		3/4		3/4	
3	2,432.45	3	2,041.50	3	1,649.81	3	1,257.79	3	879.50	3	489.65	3	111.97	3		3		3	
1/4	2,424.28	1/4	2,033.36	1/4	1,641.64	1/4	1,249.62	1/4	871.65	1/4	481.50	1/4	107.01	1/4		1/4		1/4	
1/2	2,416.11	1/2	2,025.22	1/2	1,633.47	1/2	1,241.46	1/2	863.80	1/2	473.34	1/2	102.04	1/2		1/2		1/2	
3/4	2,407.94	3/4	2,017.08	3/4	1,625.31	3/4	1,233.29	3/4	855.95	3/4	465.19	3/4	97.08	3/4		3/4		3/4	
4	2,399.77	4	2,008.95	4	1,617.14	4	1,225.12	4	848.08	4	457.01	4	93.31	4		4		4	
1/4	2,391.60	1/4	2,000.81	1/4	1,608.97	1/4	1,216.96	1/4	840.21	1/4	448.84	1/4	89.54	1/4		1/4		1/4	
1/2	2,383.43	1/2	1,992.67	1/2	1,600.80	1/2	1,208.79	1/2	832.35	1/2	440.67	1/2	85.77	1/2		1/2		1/2	
3/4	2,375.26	3/4	1,984.53	3/4	1,592.64	3/4	1,200.62	3/4	824.48	3/4	432.50	3/4	81.99	3/4		3/4		3/4	
5	2,367.09	5	1,976.40	5	1,584.47	5	1,192.78	5	816.31	5	424.32	5	79.41	5		5		5	
1/4	2,358.92	1/4	1,968.26	1/4	1,576.30	1/4	1,184.93	1/4	808.13	1/4	416.15	1/4	76.82	1/4		1/4		1/4	
1/2	2,350.75	1/2	1,960.12	1/2	1,568.14	1/2	1,177.08	1/2	799.96	1/2	407.98	1/2	74.24	1/2		1/2		1/2	
3/4	2,342.58	3/4	1,951.99	3/4	1,559.97	3/4	1,169.24	3/4	791.79	3/4	399.81	3/4	71.65	3/4		3/4		3/4	
6	2,334.44	6	1,943.82	6	1,551.80	6	1,161.41	6	783.62	6	391.62	6	70.28	6		6		6	
1/4	2,326.31	1/4	1,935.65	1/4	1,543.64	1/4	1,153.58	1/4	775.44	1/4	383.44	1/4	68.92	1/4		1/4		1/4	
1/2	2,318.17	1/2	1,927.48	1/2	1,535.47	1/2	1,145.75	1/2	767.27	1/2	375.25	1/2	67.55	1/2		1/2		1/2	
3/4	2,310.03	3/4	1,919.32	3/4	1,527.30	3/4	1,137.92	3/4	759.10	3/4	367.07	3/4	66.18	3/4		3/4		3/4	
7	2,301.89	7	1,911.15	7	1,519.13	7	1,130.09	7	750.93	7	358.89	7		7		7		7	
1/4	2,293.76	1/4	1,902.98	1/4	1,510.97	1/4	1,122.26	1/4	742.75	1/4	350.70	1/4		1/4		1/4		1/4	
1/2	2,285.62	1/2	1,894.82	1/2	1,502.80	1/2	1,114.43	1/2	734.58	1/2	342.52	1/2		1/2		1/2		1/2	
3/4	2,277.48	3/4	1,886.65	3/4	1,494.63	3/4	1,106.60	3/4	726.41	3/4	334.33	3/4		3/4		3/4		3/4	
8	2,269.34	8	1,878.48	8	1,486.47	8	1,098.77	8	718.24	8	326.15	8		8		8		8	
1/4	2,261.21	1/4	1,870.32	1/4	1,478.30	1/4	1,090.95	1/4	710.06	1/4	317.97	1/4		1/4		1/4		1/4	
1/2	2,253.07	1/2	1,862.15	1/2	1,470.13	1/2	1,083.12	1/2	701.89	1/2	309.78	1/2		1/2		1/2		1/2	
3/4	2,244.93	3/4	1,853.98	3/4	1,461.97	3/4	1,075.29	3/4	693.72	3/4	301.60	3/4		3/4		3/4		3/4	
9	2,236.79	9	1,845.81	9	1,453.80	9	1,067.46	9	685.55	9	293.41	9		9		9		9	
1/4	2,228.66	1/4	1,837.65	1/4	1,445.63	1/4	1,059.63	1/4	677.38	1/4	285.23	1/4		1/4		1/4		1/4	
1/2	2,220.52	1/2	1,829.48	1/2	1,437.46	1/2	1,051.80	1/2	669.20	1/2	277.05	1/2		1/2		1/2		1/2	
3/4	2,212.38	3/4	1,821.31	3/4	1,429.30	3/4	1,043.97	3/4	661.03	3/4	268.86	3/4		3/4		3/4		3/4	
10	2,204.24	10	1,813.15	10	1,421.13	10	1,036.14	10	652.86	10	260.69	10		10		10		10	
1/4	2,196.11	1/4	1,804.98	1/4	1,412.96	1/4	1,028.31	1/4	644.69	1/4	252.52	1/4		1/4		1/4		1/4	
1/2	2,187.97	1/2	1,796.81	1/2	1,404.80	1/2	1,020.48	1/2	636.51	1/2	244.35	1/2		1/2		1/2		1/2	
3/4	2,179.83	3/4	1,788.65	3/4	1,396.63	3/4	1,012.65	3/4	628.34	3/4	236.18	3/4		3/4		3/4		3/4	
11	2,171.69	11	1,780.48	11	1,388.46	11	1,004.82	11	620.17	11	228.01	11		11		11		11	
1/4	2,163.56	1/4	1,772.31	1/4	1,380.30	1/4	996.99	1/4	612.00	1/4	219.84	1/4		1/4		1/4		1/4	
1/2	2,155.42	1/2	1,764.14	1/2	1,372.13	1/2	989.17	1/2	603.82	1/2	211.67	1/2		1/2		1/2		1/2	
3/4	2,147.28	3/4	1,755.98	3/4	1,363.96	3/4	981.34	3/4	595.65	3/4	203.50	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/13/2007 CL - SW
CALCULATED: 03/14/2007 CL
PRINTED: 03/14/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2007

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 30341B"

3 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-07"

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	4,644.48	0	4,357.68	0	4,055.28	0	3,733.49	0	3,341.32	0	2,949.13		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,638.65	1/4	4,351.53	1/4	4,048.87	1/4	3,725.32	1/4	3,333.15	1/4	2,940.96		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,632.83	1/2	4,345.37	1/2	4,042.46	1/2	3,717.15	1/2	3,324.98	1/2	2,932.78		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,627.01	3/4	4,339.22	3/4	4,036.05	3/4	3,708.98	3/4	3,316.81	3/4	2,924.61		
1		1		1		1		1	4,621.18	1	4,333.06	1	4,029.64	1	3,700.81	1	3,308.64	1	2,916.43		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,615.33	1/4	4,326.88	1/4	4,023.23	1/4	3,692.64	1/4	3,300.47	1/4	2,908.26		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,873.31	1/2	4,609.48	1/2	4,320.70	1/2	4,016.82	1/2	3,684.47	1/2	3,292.30	1/2	2,900.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,870.30	3/4	4,603.63	3/4	4,314.52	3/4	4,010.41	3/4	3,676.30	3/4	3,284.13	3/4	2,891.91
2		2		2		2		2	4,867.29	2	4,597.78	2	4,308.34	2	4,004.00	2	3,668.12	2	3,275.96	2	2,883.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,862.92	1/4	4,591.90	1/4	4,302.13	1/4	3,997.59	1/4	3,659.95	1/4	3,267.79	1/4	2,875.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,858.55	1/2	4,586.02	1/2	4,295.92	1/2	3,991.18	1/2	3,651.78	1/2	3,259.61	1/2	2,867.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,854.18	3/4	4,580.14	3/4	4,289.71	3/4	3,984.76	3/4	3,643.61	3/4	3,251.44	3/4	2,859.21
3		3		3		3		3	4,849.81	3	4,574.26	3	4,283.50	3	3,978.35	3	3,635.44	3	3,243.27	3	2,851.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,844.07	1/4	4,568.36	1/4	4,277.27	1/4	3,971.94	1/4	3,627.27	1/4	3,235.10	1/4	2,842.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,838.34	1/2	4,562.45	1/2	4,271.03	1/2	3,965.53	1/2	3,619.10	1/2	3,226.93	1/2	2,834.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,832.61	3/4	4,556.55	3/4	4,264.79	3/4	3,959.12	3/4	3,610.93	3/4	3,218.76	3/4	2,826.51
4		4		4		4		4	4,826.87	4	4,550.64	4	4,258.56	4	3,952.71	4	3,602.76	4	3,210.59	4	2,818.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,821.27	1/4	4,544.71	1/4	4,252.29	1/4	3,946.30	1/4	3,594.59	1/4	3,202.42	1/4	2,810.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,815.66	1/2	4,538.77	1/2	4,246.03	1/2	3,939.89	1/2	3,586.42	1/2	3,194.25	1/2	2,801.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,810.06	3/4	4,532.84	3/4	4,239.77	3/4	3,933.48	3/4	3,578.25	3/4	3,186.08	3/4	2,793.81
5		5		5		5		5	4,804.46	5	4,526.91	5	4,233.50	5	3,927.07	5	3,570.08	5	3,177.91	5	2,785.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,798.83	1/4	4,520.94	1/4	4,227.21	1/4	3,920.66	1/4	3,561.91	1/4	3,169.74	1/4	2,777.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,793.20	1/2	4,514.98	1/2	4,220.92	1/2	3,914.24	1/2	3,553.74	1/2	3,161.57	1/2	2,769.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,787.56	3/4	4,509.02	3/4	4,214.63	3/4	3,907.83	3/4	3,545.57	3/4	3,153.40	3/4	2,761.12
6		6		6		6		6	4,781.93	6	4,503.06	6	4,208.34	6	3,901.42	6	3,537.40	6	3,145.23	6	2,752.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,776.27	1/4	4,497.07	1/4	4,202.02	1/4	3,895.01	1/4	3,529.23	1/4	3,137.06	1/4	2,744.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,770.62	1/2	4,491.08	1/2	4,195.70	1/2	3,888.60	1/2	3,521.06	1/2	3,128.89	1/2	2,736.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,764.96	3/4	4,485.09	3/4	4,189.38	3/4	3,882.19	3/4	3,512.89	3/4	3,120.72	3/4	2,728.42
7		7		7		7		7	4,759.30	7	4,479.11	7	4,183.06	7	3,875.78	7	3,504.72	7	3,112.55	7	2,720.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,753.61	1/4	4,473.09	1/4	4,176.71	1/4	3,869.37	1/4	3,496.55	1/4	3,104.38	1/4	2,712.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,747.93	1/2	4,467.07	1/2	4,170.37	1/2	3,862.96	1/2	3,488.38	1/2	3,096.21	1/2	2,703.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,742.24	3/4	4,461.06	3/4	4,164.02	3/4	3,856.55	3/4	3,480.21	3/4	3,088.04	3/4	2,695.72
8		8		8		8		8	4,736.56	8	4,455.04	8	4,157.67	8	3,850.14	8	3,472.04	8	3,079.87	8	2,687.55
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,730.84	1/4	4,449.00	1/4	4,151.30	1/4	3,843.72	1/4	3,463.87	1/4	3,071.70	1/4	2,679.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,725.13	1/2	4,442.95	1/2	4,144.92	1/2	3,837.31	1/2	3,455.70	1/2	3,063.53	1/2	2,671.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,719.41	3/4	4,436.91	3/4	4,138.55	3/4	3,830.90	3/4	3,447.53	3/4	3,055.36	3/4	2,663.02
9		9		9		9		9	4,713.70	9	4,430.87	9	4,132.18	9	3,824.49	9	3,439.36	9	3,047.19	9	2,654.85
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,707.96	1/4	4,424.79	1/4	4,125.77	1/4	3,818.08	1/4	3,431.19	1/4	3,039.02	1/4	2,646.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,702.22	1/2	4,418.72	1/2	4,119.37	1/2	3,811.67	1/2	3,423.02	1/2	3,030.85	1/2	2,638.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,696.48	3/4	4,412.65	3/4	4,112.97	3/4	3,805.26	3/4	3,414.85	3/4	3,022.68	3/4	2,630.32
10		10		10		10		10	4,690.74	10	4,406.58	10	4,106.57	10	3,798.85	10	3,406.68	10	3,014.51	10	2,622.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,684.97	1/4	4,400.48	1/4	4,100.16	1/4	3,790.68	1/4	3,398.51	1/4	3,006.34	1/4	2,613.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,679.20	1/2	4,394.38	1/2	4,093.75	1/2	3,782.51	1/2	3,390.34	1/2	2,998.17	1/2	2,605.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,673.43	3/4	4,388.28	3/4	4,087.34	3/4	3,774.34	3/4	3,382.17	3/4	2,990.00	3/4	2,597.63
11		11		11		11		11	4,667.66	11	4,382.18	11	4,080.93	11	3,766.17	11	3,374.00	11	2,981.83	11	2,589.45
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,661.87	1/4	4,376.06	1/4	4,074.52	1/4	3,758.00	1/4	3,365.83	1/4	2,973.65	1/4	2,581.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,656.07	1/2	4,369.93	1/2	4,068.11	1/2	3,749.83	1/2	3,357.66	1/2	2,965.48	1/2	2,573.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,650.27	3/4	4,363.81	3/4	4,061.70	3/4	3,741.66	3/4	3,349.49	3/4	2,957.30	3/4	2,564.93

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 59'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 30341B"

3 STBD ULLAGE TABLE

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

GAUGE HEIGHT 16'-07"

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	2,556.75	0	2,164.38	0	1,772.31	0	1,379.90	0	987.64	0	595.26	0	203.26	0		0		0	
1/4	2,548.58	1/4	2,156.20	1/4	1,764.13	1/4	1,371.72	1/4	979.47	1/4	587.10	1/4	195.10	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,540.41	1/2	2,148.03	1/2	1,755.96	1/2	1,363.55	1/2	971.30	1/2	578.95	1/2	186.94	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,532.23	3/4	2,139.85	3/4	1,747.78	3/4	1,355.37	3/4	963.13	3/4	570.79	3/4	178.78	3/4	3/4	3/4	3/4	3/4	3/4
1	2,524.06	1	2,131.68	1	1,739.61	1	1,347.20	1	954.96	1	562.63	1	170.61	1		1		1	
1/4	2,515.88	1/4	2,123.51	1/4	1,731.43	1/4	1,339.02	1/4	946.78	1/4	554.48	1/4	163.30	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,507.71	1/2	2,115.33	1/2	1,723.26	1/2	1,330.85	1/2	938.61	1/2	546.32	1/2	155.98	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,499.53	3/4	2,107.16	3/4	1,715.08	3/4	1,322.67	3/4	930.43	3/4	538.16	3/4	148.67	3/4	3/4	3/4	3/4	3/4	3/4
2	2,491.36	2	2,098.98	2	1,706.91	2	1,314.50	2	922.26	2	530.00	2	141.35	2		2		2	
1/4	2,483.18	1/4	2,090.81	1/4	1,698.73	1/4	1,306.32	1/4	914.08	1/4	521.85	1/4	135.21	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,475.01	1/2	2,082.63	1/2	1,690.56	1/2	1,298.15	1/2	905.91	1/2	513.69	1/2	129.07	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,466.83	3/4	2,074.46	3/4	1,682.38	3/4	1,289.97	3/4	897.73	3/4	505.53	3/4	122.93	3/4	3/4	3/4	3/4	3/4	3/4
3	2,458.66	3	2,066.28	3	1,674.21	3	1,281.80	3	889.56	3	497.38	3	116.79	3		3		3	
1/4	2,450.49	1/4	2,058.11	1/4	1,666.03	1/4	1,273.62	1/4	881.38	1/4	489.22	1/4	111.84	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,442.31	1/2	2,049.94	1/2	1,657.86	1/2	1,265.45	1/2	873.21	1/2	481.06	1/2	106.88	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,434.14	3/4	2,041.76	3/4	1,649.68	3/4	1,257.27	3/4	865.03	3/4	472.91	3/4	101.92	3/4	3/4	3/4	3/4	3/4	3/4
4	2,425.96	4	2,033.59	4	1,641.51	4	1,249.10	4	856.86	4	464.75	4	96.97	4		4		4	
1/4	2,417.79	1/4	2,025.41	1/4	1,633.33	1/4	1,240.92	1/4	848.68	1/4	456.58	1/4	93.20	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,409.61	1/2	2,017.24	1/2	1,625.16	1/2	1,232.75	1/2	840.51	1/2	448.40	1/2	89.43	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,401.44	3/4	2,009.06	3/4	1,616.98	3/4	1,224.57	3/4	832.33	3/4	440.23	3/4	85.67	3/4	3/4	3/4	3/4	3/4	3/4
5	2,393.26	5	2,000.89	5	1,608.80	5	1,216.40	5	824.16	5	432.05	5	81.90	5		5		5	
1/4	2,385.09	1/4	1,992.71	1/4	1,600.63	1/4	1,208.23	1/4	815.98	1/4	423.88	1/4	79.32	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,376.92	1/2	1,984.54	1/2	1,592.45	1/2	1,200.06	1/2	807.81	1/2	415.70	1/2	76.73	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,368.74	3/4	1,976.36	3/4	1,584.28	3/4	1,191.89	3/4	799.63	3/4	407.53	3/4	74.15	3/4	3/4	3/4	3/4	3/4	3/4
6	2,360.57	6	1,968.19	6	1,576.10	6	1,183.72	6	791.46	6	399.35	6	71.57	6		6		6	
1/4	2,352.39	1/4	1,960.03	1/4	1,567.93	1/4	1,175.55	1/4	783.28	1/4	391.18	1/4	70.20	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,344.22	1/2	1,951.86	1/2	1,559.75	1/2	1,167.38	1/2	775.11	1/2	383.00	1/2	68.84	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,336.04	3/4	1,943.70	3/4	1,551.58	3/4	1,159.21	3/4	766.93	3/4	374.83	3/4	67.47	3/4	3/4	3/4	3/4	3/4	3/4
7	2,327.87	7	1,935.53	7	1,543.40	7	1,151.04	7	758.76	7	366.65	7	66.11	7		7		7	
1/4	2,319.69	1/4	1,927.38	1/4	1,535.23	1/4	1,142.87	1/4	750.58	1/4	358.48	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,311.52	1/2	1,919.22	1/2	1,527.05	1/2	1,134.70	1/2	742.41	1/2	350.30	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,303.34	3/4	1,911.07	3/4	1,518.88	3/4	1,126.53	3/4	734.23	3/4	342.13	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	2,295.17	8	1,902.91	8	1,510.70	8	1,118.36	8	726.06	8	333.95	8		8		8		8	
1/4	2,287.00	1/4	1,894.76	1/4	1,502.53	1/4	1,110.19	1/4	717.88	1/4	325.78	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,278.82	1/2	1,886.60	1/2	1,494.35	1/2	1,102.02	1/2	709.71	1/2	317.60	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,270.65	3/4	1,878.45	3/4	1,486.18	3/4	1,093.85	3/4	701.53	3/4	309.43	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,262.47	9	1,870.29	9	1,478.00	9	1,085.68	9	693.36	9	301.25	9		9		9		9	
1/4	2,254.30	1/4	1,862.14	1/4	1,469.83	1/4	1,077.51	1/4	685.18	1/4	293.08	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,246.12	1/2	1,853.98	1/2	1,461.65	1/2	1,069.34	1/2	677.01	1/2	284.90	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,237.95	3/4	1,845.83	3/4	1,453.48	3/4	1,061.17	3/4	668.83	3/4	276.73	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,229.77	10	1,837.67	10	1,445.30	10	1,053.00	10	660.66	10	268.55	10		10		10		10	
1/4	2,221.60	1/4	1,829.51	1/4	1,437.13	1/4	1,044.83	1/4	652.48	1/4	260.39	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,213.43	1/2	1,821.34	1/2	1,428.95	1/2	1,036.66	1/2	644.31	1/2	252.23	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,205.25	3/4	1,813.18	3/4	1,420.78	3/4	1,028.49	3/4	636.13	3/4	244.07	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,197.08	11	1,805.01	11	1,412.60	11	1,020.32	11	627.96	11	235.91	11		11		11		11	
1/4	2,188.90	1/4	1,796.83	1/4	1,404.42	1/4	1,012.15	1/4	619.78	1/4	227.74	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,180.73	1/2	1,788.66	1/2	1,396.25	1/2	1,003.98	1/2	611.61	1/2	219.58	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,172.55	3/4	1,780.48	3/4	1,388.07	3/4	995.81	3/4	603.43	3/4	211.42	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/13/2007 CL - SW
CALCULATED: 03/14/2007 CL
PRINTED: 03/14/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2007

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