



BARGE "KIRBY 30042B"

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	00-5/8	- 00-5/8	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	00-5/8	- 00-5/8	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	02-1/2	- 02-1/2	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'-06"

April 11, 2013

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 30042B"

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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
	0		0		0		0		4,971.53		4,600.62		4,210.33		3,814.83		3,419.33		3,023.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,964.00	1/4	4,592.68	1/4	4,202.09	1/4	3,806.59	1/4	3,411.09	1/4	3,015.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,956.47	1/2	4,584.73	1/2	4,193.85	1/2	3,798.35	1/2	3,402.85	1/2	3,007.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,948.95	3/4	4,576.78	3/4	4,185.61	3/4	3,790.11	3/4	3,394.61	3/4	2,999.06
1	1	1	1	1	1	1	1	1	4,941.39	1	4,568.80	1	4,177.37	1	3,781.87	1	3,386.37	1	2,990.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,933.83	1/4	4,560.82	1/4	4,169.13	1/4	3,773.63	1/4	3,378.13	1/4	2,982.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,926.27	1/2	4,552.84	1/2	4,160.89	1/2	3,765.39	1/2	3,369.89	1/2	2,974.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,918.71	3/4	4,544.86	3/4	4,152.66	3/4	3,757.15	3/4	3,361.65	3/4	2,966.08
2	2	2	2	2	2	2	2	2	4,911.11	2	4,536.84	2	4,144.42	2	3,748.91	2	3,353.41	2	2,957.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,903.51	1/4	4,528.83	1/4	4,136.18	1/4	3,740.68	1/4	3,345.17	1/4	2,949.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,895.92	1/2	4,520.81	1/2	4,127.94	1/2	3,732.44	1/2	3,336.93	1/2	2,941.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,888.32	3/4	4,512.79	3/4	4,119.70	3/4	3,724.20	3/4	3,328.70	3/4	2,933.10
3	3	3	3	3	3	3	3	3	4,880.69	3	4,504.74	3	4,111.46	3	3,715.96	3	3,320.46	3	2,924.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,873.06	1/4	4,496.69	1/4	4,103.22	1/4	3,707.72	1/4	3,312.22	1/4	2,916.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,865.43	1/2	4,488.64	1/2	4,094.98	1/2	3,699.48	1/2	3,303.98	1/2	2,908.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,857.80	3/4	4,480.59	3/4	4,086.74	3/4	3,691.24	3/4	3,295.74	3/4	2,900.13
4	4	4	4	4	4	4	4	4	4,850.13	4	4,472.50	4	4,078.50	4	3,683.00	4	3,287.50	4	2,891.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,842.47	1/4	4,464.41	1/4	4,070.26	1/4	3,674.76	1/4	3,279.26	1/4	2,883.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,834.80	1/2	4,456.33	1/2	4,062.02	1/2	3,666.52	1/2	3,271.02	1/2	2,875.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,827.14	3/4	4,448.24	3/4	4,053.78	3/4	3,658.28	3/4	3,262.78	3/4	2,867.15
5	5	5	5	5	5	5	5	5	4,819.44	5	4,440.12	5	4,045.54	5	3,650.04	5	3,254.54	5	2,858.90
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,811.73	1/4	4,432.00	1/4	4,037.30	1/4	3,641.80	1/4	3,246.30	1/4	2,850.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,804.03	1/2	4,423.88	1/2	4,029.06	1/2	3,633.56	1/2	3,238.06	1/2	2,842.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,796.33	3/4	4,415.76	3/4	4,020.82	3/4	3,625.32	3/4	3,229.82	3/4	2,834.17
6	6	6	6	6	6	6	6	6	4,788.60	6	4,407.60	6	4,012.58	6	3,617.08	6	3,221.58	6	2,825.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,780.86	1/4	4,399.44	1/4	4,004.34	1/4	3,608.84	1/4	3,213.34	1/4	2,817.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,773.12	1/2	4,391.29	1/2	3,996.10	1/2	3,600.60	1/2	3,205.10	1/2	2,809.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,765.39	3/4	4,383.13	3/4	3,987.86	3/4	3,592.36	3/4	3,196.86	3/4	2,801.20
7	7	7	7	7	7	7	7	7	4,757.62	7	4,374.94	7	3,979.62	7	3,584.12	7	3,188.62	7	2,792.95
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,749.85	1/4	4,366.75	1/4	3,971.38	1/4	3,575.88	1/4	3,180.38	1/4	2,784.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,742.08	1/2	4,358.55	1/2	3,963.14	1/2	3,567.64	1/2	3,172.14	1/2	2,776.46
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,734.31	3/4	4,350.36	3/4	3,954.90	3/4	3,559.40	3/4	3,163.90	3/4	2,768.22
8	8	8	8	8	8	8	8	8	4,726.50	8	4,342.13	8	3,946.67	8	3,551.16	8	3,155.66	8	2,759.97
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,718.69	1/4	4,333.91	1/4	3,938.43	1/4	3,542.92	1/4	3,147.42	1/4	2,751.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,710.89	1/2	4,325.68	1/2	3,930.19	1/2	3,534.69	1/2	3,139.18	1/2	2,743.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,703.08	3/4	4,317.45	3/4	3,921.95	3/4	3,526.45	3/4	3,130.94	3/4	2,735.24
9	9	9	9	9	9	9	9	9	4,695.24	9	4,309.21	9	3,913.71	9	3,518.21	9	3,122.71	9	2,727.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,687.40	1/4	4,300.97	1/4	3,905.47	1/4	3,509.97	1/4	3,114.47	1/4	2,718.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,679.56	1/2	4,292.73	1/2	3,897.23	1/2	3,501.73	1/2	3,106.23	1/2	2,710.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,671.72	3/4	4,284.49	3/4	3,888.99	3/4	3,493.49	3/4	3,097.99	3/4	2,702.26
10	10	10	10	10	10	10	10	10	4,663.84	10	4,276.25	10	3,880.75	10	3,485.25	10	3,089.74	10	2,694.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,655.96	1/4	4,268.01	1/4	3,872.51	1/4	3,477.01	1/4	3,081.50	1/4	2,685.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,648.09	1/2	4,259.77	1/2	3,864.27	1/2	3,468.77	1/2	3,073.25	1/2	2,677.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,640.21	3/4	4,251.53	3/4	3,856.03	3/4	3,460.53	3/4	3,065.01	3/4	2,669.29
11	11	11	11	11	11	11	11	11	4,632.30	11	4,243.29	11	3,847.79	11	3,452.29	11	3,056.77	11	2,661.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,624.39	1/4	4,235.05	1/4	3,839.55	1/4	3,444.05	1/4	3,048.52	1/4	2,652.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,616.48	1/2	4,226.81	1/2	3,831.31	1/2	3,435.81	1/2	3,040.28	1/2	2,644.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,608.57	3/4	4,218.57	3/4	3,823.07	3/4	3,427.57	3/4	3,032.03	3/4	2,636.31

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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "KIRBY 30042B"

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	2,628.07	0	2,232.35	0	1,836.62	0	1,441.48	0	1,046.46	0	650.76	0	255.23	0		0			
1/4	2,619.82	1/4	2,224.10	1/4	1,828.38	1/4	1,433.26	1/4	1,038.22	1/4	642.51	1/4	247.00	1/4		1/4			1/4
1/2	2,611.58	1/2	2,215.86	1/2	1,820.14	1/2	1,425.04	1/2	1,029.98	1/2	634.27	1/2	238.77	1/2		1/2			1/2
3/4	2,603.33	3/4	2,207.61	3/4	1,811.89	3/4	1,416.82	3/4	1,021.73	3/4	626.03	3/4	230.54	3/4		3/4			3/4
1	2,595.09	1	2,199.37	1	1,803.65	1	1,408.60	1	1,013.49	1	617.78	1	222.31	1		1			1
1/4	2,586.85	1/4	2,191.12	1/4	1,795.40	1/4	1,400.37	1/4	1,005.25	1/4	609.54	1/4	214.08	1/4		1/4			1/4
1/2	2,578.60	1/2	2,182.88	1/2	1,787.16	1/2	1,392.15	1/2	997.00	1/2	601.29	1/2	205.86	1/2		1/2			1/2
3/4	2,570.36	3/4	2,174.64	3/4	1,778.91	3/4	1,383.93	3/4	988.76	3/4	593.05	3/4	197.63	3/4		3/4			3/4
2	2,562.11	2	2,166.39	2	1,770.67	2	1,375.71	2	980.51	2	584.81	2	189.42	2		2			2
1/4	2,553.87	1/4	2,158.15	1/4	1,762.43	1/4	1,367.49	1/4	972.27	1/4	576.56	1/4	181.20	1/4		1/4			1/4
1/2	2,545.62	1/2	2,149.90	1/2	1,754.18	1/2	1,359.27	1/2	964.03	1/2	568.32	1/2	172.99	1/2		1/2			1/2
3/4	2,537.38	3/4	2,141.66	3/4	1,745.94	3/4	1,351.05	3/4	955.78	3/4	560.07	3/4	164.77	3/4		3/4			3/4
3	2,529.14	3	2,133.41	3	1,737.69	3	1,342.83	3	947.54	3	551.83	3	156.57	3		3			3
1/4	2,520.89	1/4	2,125.17	1/4	1,729.45	1/4	1,334.61	1/4	939.29	1/4	543.59	1/4	148.37	1/4		1/4			1/4
1/2	2,512.65	1/2	2,116.93	1/2	1,721.20	1/2	1,326.38	1/2	931.05	1/2	535.34	1/2	140.17	1/2		1/2			1/2
3/4	2,504.40	3/4	2,108.68	3/4	1,712.96	3/4	1,318.16	3/4	922.81	3/4	527.10	3/4	131.97	3/4		3/4			3/4
4	2,496.16	4	2,100.44	4	1,704.72	4	1,309.95	4	914.56	4	518.86	4	123.79	4		4			4
1/4	2,487.92	1/4	2,092.19	1/4	1,696.47	1/4	1,301.73	1/4	906.32	1/4	510.61	1/4	115.60	1/4		1/4			1/4
1/2	2,479.67	1/2	2,083.95	1/2	1,688.23	1/2	1,293.52	1/2	898.07	1/2	502.37	1/2	107.41	1/2		1/2			1/2
3/4	2,471.43	3/4	2,075.71	3/4	1,679.98	3/4	1,285.30	3/4	889.83	3/4	494.12	3/4	99.23	3/4		3/4			3/4
5	2,463.18	5	2,067.46	5	1,671.74	5	1,277.08	5	881.59	5	485.88	5	91.08	5		5			5
1/4	2,454.94	1/4	2,059.22	1/4	1,663.50	1/4	1,268.87	1/4	873.34	1/4	477.64	1/4	82.94	1/4		1/4			1/4
1/2	2,446.69	1/2	2,050.97	1/2	1,655.25	1/2	1,260.65	1/2	865.10	1/2	469.39	1/2	74.80	1/2		1/2			1/2
3/4	2,438.45	3/4	2,042.73	3/4	1,647.01	3/4	1,252.44	3/4	856.85	3/4	461.15	3/4	66.66	3/4		3/4			3/4
6	2,430.21	6	2,034.48	6	1,638.79	6	1,244.20	6	848.61	6	452.90	6	59.45	6		6			6
1/4	2,421.96	1/4	2,026.24	1/4	1,630.56	1/4	1,235.96	1/4	840.37	1/4	444.66	1/4	52.24	1/4		1/4			1/4
1/2	2,413.72	1/2	2,018.00	1/2	1,622.34	1/2	1,227.72	1/2	832.12	1/2	436.42	1/2	45.04	1/2		1/2			1/2
3/4	2,405.47	3/4	2,009.75	3/4	1,614.12	3/4	1,219.48	3/4	823.88	3/4	428.17	3/4	37.83	3/4		3/4			3/4
7	2,397.23	7	2,001.51	7	1,605.90	7	1,211.24	7	815.64	7	419.93	7	32.68	7		7			7
1/4	2,388.99	1/4	1,993.26	1/4	1,597.68	1/4	1,203.01	1/4	807.39	1/4	411.68	1/4	27.52	1/4		1/4			1/4
1/2	2,380.74	1/2	1,985.02	1/2	1,589.46	1/2	1,194.77	1/2	799.15	1/2	403.44	1/2	22.37	1/2		1/2			1/2
3/4	2,372.50	3/4	1,976.78	3/4	1,581.24	3/4	1,186.53	3/4	790.90	3/4	395.20	3/4	17.22	3/4		3/4			3/4
8	2,364.25	8	1,968.53	8	1,573.02	8	1,178.29	8	782.66	8	386.95	8		8		8			8
1/4	2,356.01	1/4	1,960.29	1/4	1,564.80	1/4	1,170.05	1/4	774.42	1/4	378.71	1/4		1/4		1/4			1/4
1/2	2,347.76	1/2	1,952.04	1/2	1,556.57	1/2	1,161.81	1/2	766.17	1/2	370.46	1/2		1/2		1/2			1/2
3/4	2,339.52	3/4	1,943.80	3/4	1,548.35	3/4	1,153.57	3/4	757.93	3/4	362.22	3/4		3/4		3/4			3/4
9	2,331.28	9	1,935.55	9	1,540.13	9	1,145.33	9	749.68	9	353.99	9		9		9			9
1/4	2,323.03	1/4	1,927.31	1/4	1,531.91	1/4	1,137.10	1/4	741.44	1/4	345.76	1/4		1/4		1/4			1/4
1/2	2,314.79	1/2	1,919.07	1/2	1,523.69	1/2	1,128.86	1/2	733.20	1/2	337.53	1/2		1/2		1/2			1/2
3/4	2,306.54	3/4	1,910.82	3/4	1,515.47	3/4	1,120.62	3/4	724.95	3/4	329.30	3/4		3/4		3/4			3/4
10	2,298.30	10	1,902.58	10	1,507.25	10	1,112.38	10	716.71	10	321.07	10		10		10			10
1/4	2,290.05	1/4	1,894.33	1/4	1,499.03	1/4	1,104.14	1/4	708.46	1/4	312.84	1/4		1/4		1/4			1/4
1/2	2,281.81	1/2	1,886.09	1/2	1,490.81	1/2	1,095.90	1/2	700.22	1/2	304.61	1/2		1/2		1/2			1/2
3/4	2,273.57	3/4	1,877.84	3/4	1,482.59	3/4	1,087.66	3/4	691.98	3/4	296.38	3/4		3/4		3/4			3/4
11	2,265.32	11	1,869.60	11	1,474.36	11	1,079.42	11	683.73	11	288.15	11		11		11			11
1/4	2,257.08	1/4	1,861.36	1/4	1,466.14	1/4	1,071.19	1/4	675.49	1/4	279.92	1/4		1/4		1/4			1/4
1/2	2,248.83	1/2	1,853.11	1/2	1,457.92	1/2	1,062.95	1/2	667.25	1/2	271.69	1/2		1/2		1/2			1/2
3/4	2,240.59	3/4	1,844.87	3/4	1,449.70	3/4	1,054.71	3/4	659.00	3/4	263.46	3/4		3/4		3/4			3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/11/2013 CL - SW
CALCULATED: 04/11/2013 CL
PRINTED: 04/11/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2013

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



BARGE "KIRBY 30042B"

1 STBD
ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	4,973.80	0	4,602.81	0	4,212.43	0	3,816.82	0	3,421.22	0	3,025.57		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,310.58	1/4	4,966.27	1/4	4,594.86	1/4	4,204.19	1/4	3,808.58	1/4	3,412.98	1/4	3,017.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,305.77	1/2	4,958.74	1/2	4,586.92	1/2	4,195.95	1/2	3,800.34	1/2	3,404.73	1/2	3,009.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,300.97	3/4	4,951.22	3/4	4,578.97	3/4	4,187.71	3/4	3,792.10	3/4	3,396.49	3/4	3,000.83
1	1	1	1	1	1	1	4,943.65	1	4,570.98	1	4,179.46	1	3,783.86	1	3,388.25	1	3,002.59		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,288.60	1/4	4,936.09	1/4	4,563.00	1/4	4,171.22	1/4	3,775.62	1/4	3,380.01	1/4	2,984.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,282.41	1/2	4,928.53	1/2	4,555.02	1/2	4,162.98	1/2	3,767.37	1/2	3,371.77	1/2	2,976.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,276.23	3/4	4,920.97	3/4	4,547.03	3/4	4,154.74	3/4	3,759.13	3/4	3,363.53	3/4	2,967.85
2	2	2	2	2	2	2	4,913.37	2	4,506.92	2	4,146.50	2	3,750.89	2	3,355.28	2	2,959.60		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,261.11	1/4	4,905.77	1/4	4,531.00	1/4	4,138.26	1/4	3,742.65	1/4	3,347.04	1/4	2,951.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,253.55	1/2	4,898.17	1/2	4,522.98	1/2	4,130.01	1/2	3,734.41	1/2	3,338.80	1/2	2,943.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,245.99	3/4	4,890.58	3/4	4,514.96	3/4	4,121.77	3/4	3,726.17	3/4	3,330.56	3/4	2,934.86
3	3	3	3	3	3	3	4,882.94	3	4,506.91	3	4,113.53	3	3,717.92	3	3,322.32	3	2,926.62		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,231.57	1/4	4,875.31	1/4	4,498.86	1/4	4,105.29	1/4	3,709.68	1/4	3,314.08	1/4	2,918.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,224.36	1/2	4,867.68	1/2	4,490.80	1/2	4,097.05	1/2	3,701.44	1/2	3,305.83	1/2	2,910.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,217.15	3/4	4,860.05	3/4	4,482.75	3/4	4,088.80	3/4	3,693.20	3/4	3,297.59	3/4	2,901.88
4	4	4	4	4	4	4	4,852.38	4	4,474.66	4	4,080.56	4	3,684.96	4	3,289.35	4	2,893.63		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,202.65	1/4	4,844.71	1/4	4,466.57	1/4	4,072.32	1/4	3,676.71	1/4	3,281.11	1/4	2,885.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,195.40	1/2	4,837.04	1/2	4,458.48	1/2	4,064.08	1/2	3,668.47	1/2	3,272.87	1/2	2,877.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,188.16	3/4	4,829.38	3/4	4,450.40	3/4	4,055.84	3/4	3,660.23	3/4	3,264.62	3/4	2,868.89
5	5	5	5	5	5	5	4,821.67	5	4,442.27	5	4,047.60	5	3,651.99	5	3,256.38	5	2,860.65		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,173.59	1/4	4,813.97	1/4	4,434.15	1/4	4,039.35	1/4	3,643.75	1/4	3,248.14	1/4	2,852.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,166.31	1/2	4,806.27	1/2	4,426.02	1/2	4,031.11	1/2	3,635.51	1/2	3,239.90	1/2	2,844.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,159.03	3/4	4,798.57	3/4	4,417.90	3/4	4,022.87	3/4	3,627.26	3/4	3,231.66	3/4	2,835.91
6	6	6	6	6	6	6	4,815.71	6	4,409.83	6	4,409.74	6	4,014.63	6	3,619.02	6	3,223.42	6	2,827.66
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,144.40	1/4	4,783.09	1/4	4,401.58	1/4	4,006.39	1/4	3,610.78	1/4	3,215.17	1/4	2,819.42
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,137.08	1/2	4,775.35	1/2	4,393.43	1/2	3,998.14	1/2	3,602.54	1/2	3,206.93	1/2	2,811.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,129.76	3/4	4,767.62	3/4	4,385.27	3/4	3,989.90	3/4	3,594.30	3/4	3,198.69	3/4	2,802.93
7	7	7	7	7	7	7	4,812.41	7	4,759.84	7	4,377.07	7	3,981.66	7	3,586.05	7	3,190.45	7	2,794.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,115.06	1/4	4,752.07	1/4	4,368.88	1/4	3,973.42	1/4	3,577.81	1/4	3,182.21	1/4	2,786.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,107.71	1/2	4,744.30	1/2	4,360.69	1/2	3,965.18	1/2	3,569.57	1/2	3,173.96	1/2	2,778.19
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,100.36	3/4	4,736.53	3/4	4,352.49	3/4	3,956.94	3/4	3,561.33	3/4	3,165.72	3/4	2,769.94
8	8	8	8	8	8	8	4,809.97	8	4,728.72	8	4,344.26	8	3,948.69	8	3,553.09	8	3,157.48	8	2,761.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,085.58	1/4	4,720.91	1/4	4,336.03	1/4	3,940.45	1/4	3,544.85	1/4	3,149.24	1/4	2,753.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,078.20	1/2	4,713.10	1/2	4,327.80	1/2	3,932.21	1/2	3,536.60	1/2	3,141.00	1/2	2,745.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,070.81	3/4	4,705.29	3/4	4,319.57	3/4	3,923.97	3/4	3,528.36	3/4	3,132.76	3/4	2,736.96
9	9	9	9	9	9	9	4,803.39	9	4,697.45	9	4,311.33	9	3,915.73	9	3,520.12	9	3,124.51	9	2,728.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,055.96	1/4	4,689.61	1/4	4,303.09	1/4	3,907.48	1/4	3,511.88	1/4	3,116.27	1/4	2,720.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,048.54	1/2	4,681.77	1/2	4,294.85	1/2	3,899.24	1/2	3,503.64	1/2	3,108.03	1/2	2,712.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,041.12	3/4	4,673.92	3/4	4,286.61	3/4	3,891.00	3/4	3,495.39	3/4	3,099.79	3/4	2,703.97
10	10	10	10	10	10	10	4,803.66	10	4,666.05	10	4,278.37	10	3,882.76	10	3,487.15	10	3,091.54	10	2,695.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,026.21	1/4	4,658.17	1/4	4,270.12	1/4	3,874.52	1/4	3,478.91	1/4	3,083.30	1/4	2,687.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,018.75	1/2	4,650.29	1/2	4,261.88	1/2	3,866.28	1/2	3,470.67	1/2	3,075.05	1/2	2,679.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,011.29	3/4	4,642.41	3/4	4,253.64	3/4	3,858.03	3/4	3,462.43	3/4	3,066.80	3/4	2,670.99
11	11	11	11	11	11	11	4,800.80	11	4,634.50	11	4,245.40	11	3,849.79	11	3,454.19	11	3,058.56	11	2,662.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,996.31	1/4	4,626.59	1/4	4,237.16	1/4	3,841.55	1/4	3,445.94	1/4	3,050.31	1/4	2,654.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,988.82	1/2	4,618.67	1/2	4,228.91	1/2	3,833.31	1/2	3,437.70	1/2	3,042.06	1/2	2,646.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,981.32	3/4	4,610.76	3/4	4,220.67	3/4	3,825.07	3/4	3,429.46	3/4	3,033.82	3/4	2,638.00

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 30042B"

1 STBD 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	2,629.75	0	2,233.94	0	1,838.33	0	1,442.48	0	1,046.81	0	650.97	0	255.31	0		0		0	
1/4	2,621.51	1/4	2,225.69	1/4	1,830.08	1/4	1,434.23	1/4	1,038.56	1/4	642.72	1/4	247.08	1/4		1/4		1/4	
1/2	2,613.26	1/2	2,217.44	1/2	1,821.83	1/2	1,425.99	1/2	1,030.31	1/2	634.48	1/2	238.84	1/2		1/2		1/2	
3/4	2,605.02	3/4	2,209.20	3/4	1,813.59	3/4	1,417.74	3/4	1,022.07	3/4	626.23	3/4	230.61	3/4		3/4		3/4	
1	2,596.77	1	2,200.95	1	1,805.34	1	1,409.49	1	1,013.82	1	617.98	1	222.38	1		1		1	
1/4	2,588.52	1/4	2,192.71	1/4	1,797.09	1/4	1,401.25	1/4	1,005.57	1/4	609.74	1/4	214.15	1/4		1/4		1/4	
1/2	2,580.28	1/2	2,184.46	1/2	1,788.85	1/2	1,393.00	1/2	997.33	1/2	601.49	1/2	205.93	1/2		1/2		1/2	
3/4	2,572.03	3/4	2,176.21	3/4	1,780.60	3/4	1,384.75	3/4	989.08	3/4	593.24	3/4	197.70	3/4		3/4		3/4	
2	2,563.79	2	2,167.97	2	1,772.35	2	1,376.51	2	980.83	2	585.00	2	189.48	2		2		2	
1/4	2,555.54	1/4	2,159.72	1/4	1,764.11	1/4	1,368.26	1/4	972.59	1/4	576.75	1/4	181.26	1/4		1/4		1/4	
1/2	2,547.29	1/2	2,151.48	1/2	1,755.86	1/2	1,360.01	1/2	964.34	1/2	568.50	1/2	173.04	1/2		1/2		1/2	
3/4	2,539.05	3/4	2,143.23	3/4	1,747.61	3/4	1,351.77	3/4	956.09	3/4	560.26	3/4	164.82	3/4		3/4		3/4	
3	2,530.80	3	2,134.98	3	1,739.36	3	1,343.52	3	947.85	3	552.01	3	156.62	3		3		3	
1/4	2,522.55	1/4	2,126.74	1/4	1,731.12	1/4	1,335.27	1/4	939.60	1/4	543.76	1/4	148.42	1/4		1/4		1/4	
1/2	2,514.31	1/2	2,118.49	1/2	1,722.87	1/2	1,327.02	1/2	931.35	1/2	535.52	1/2	140.22	1/2		1/2		1/2	
3/4	2,506.06	3/4	2,110.24	3/4	1,714.62	3/4	1,318.78	3/4	923.11	3/4	527.27	3/4	132.02	3/4		3/4		3/4	
4	2,497.82	4	2,102.00	4	1,706.38	4	1,310.54	4	914.86	4	519.02	4	123.83	4		4		4	
1/4	2,489.57	1/4	2,093.75	1/4	1,698.13	1/4	1,302.30	1/4	906.61	1/4	510.78	1/4	115.64	1/4		1/4		1/4	
1/2	2,481.32	1/2	2,085.51	1/2	1,689.88	1/2	1,294.05	1/2	898.37	1/2	502.53	1/2	107.45	1/2		1/2		1/2	
3/4	2,473.08	3/4	2,077.26	3/4	1,681.64	3/4	1,285.81	3/4	890.12	3/4	494.28	3/4	99.26	3/4		3/4		3/4	
5	2,464.83	5	2,069.02	5	1,673.39	5	1,277.57	5	881.87	5	486.04	5	91.11	5		5		5	
1/4	2,456.58	1/4	2,060.78	1/4	1,665.14	1/4	1,269.33	1/4	873.63	1/4	477.79	1/4	82.97	1/4		1/4		1/4	
1/2	2,448.34	1/2	2,052.54	1/2	1,656.90	1/2	1,261.09	1/2	865.38	1/2	469.54	1/2	74.83	1/2		1/2		1/2	
3/4	2,440.09	3/4	2,044.30	3/4	1,648.65	3/4	1,252.85	3/4	857.13	3/4	461.30	3/4	66.68	3/4		3/4		3/4	
6	2,431.85	6	2,036.07	6	1,640.40	6	1,244.61	6	848.89	6	453.05	6	59.47	6		6		6	
1/4	2,423.60	1/4	2,027.84	1/4	1,632.16	1/4	1,236.36	1/4	840.64	1/4	444.80	1/4	52.26	1/4		1/4		1/4	
1/2	2,415.35	1/2	2,019.60	1/2	1,623.91	1/2	1,228.12	1/2	832.39	1/2	436.56	1/2	45.05	1/2		1/2		1/2	
3/4	2,407.11	3/4	2,011.37	3/4	1,615.66	3/4	1,219.88	3/4	824.15	3/4	428.31	3/4	37.84	3/4		3/4		3/4	
7	2,398.86	7	2,003.14	7	1,607.42	7	1,211.64	7	815.90	7	420.06	7	32.69	7		7		7	
1/4	2,390.62	1/4	1,994.91	1/4	1,599.17	1/4	1,203.40	1/4	807.66	1/4	411.82	1/4	27.53	1/4		1/4		1/4	
1/2	2,382.37	1/2	1,986.67	1/2	1,590.92	1/2	1,195.16	1/2	799.41	1/2	403.57	1/2	22.38	1/2		1/2		1/2	
3/4	2,374.12	3/4	1,978.44	3/4	1,582.68	3/4	1,186.92	3/4	791.16	3/4	395.33	3/4	17.22	3/4		3/4		3/4	
8	2,365.88	8	1,970.21	8	1,574.43	8	1,178.67	8	782.92	8	387.08	8		8		8		8	
1/4	2,357.63	1/4	1,961.97	1/4	1,566.18	1/4	1,170.43	1/4	774.67	1/4	378.83	1/4		1/4		1/4		1/4	
1/2	2,349.38	1/2	1,953.74	1/2	1,557.94	1/2	1,162.19	1/2	766.42	1/2	370.59	1/2		1/2		1/2		1/2	
3/4	2,341.14	3/4	1,945.51	3/4	1,549.69	3/4	1,153.95	3/4	758.18	3/4	362.34	3/4		3/4		3/4		3/4	
9	2,332.89	9	1,937.27	9	1,541.44	9	1,145.71	9	749.93	9	354.11	9		9		9		9	
1/4	2,324.65	1/4	1,929.03	1/4	1,533.19	1/4	1,137.47	1/4	741.68	1/4	345.87	1/4		1/4		1/4		1/4	
1/2	2,316.40	1/2	1,920.79	1/2	1,524.95	1/2	1,129.23	1/2	733.44	1/2	337.64	1/2		1/2		1/2		1/2	
3/4	2,308.15	3/4	1,912.55	3/4	1,516.70	3/4	1,120.98	3/4	725.19	3/4	329.41	3/4		3/4		3/4		3/4	
10	2,299.91	10	1,904.30	10	1,508.45	10	1,112.74	10	716.94	10	321.17	10		10		10		10	
1/4	2,291.66	1/4	1,896.05	1/4	1,500.21	1/4	1,104.50	1/4	708.70	1/4	312.94	1/4		1/4		1/4		1/4	
1/2	2,283.41	1/2	1,887.81	1/2	1,491.96	1/2	1,096.26	1/2	700.45	1/2	304.71	1/2		1/2		1/2		1/2	
3/4	2,275.17	3/4	1,879.56	3/4	1,483.71	3/4	1,088.02	3/4	692.20	3/4	296.47	3/4		3/4		3/4		3/4	
11	2,266.92	11	1,871.31	11	1,475.47	11	1,079.78	11	683.96	11	288.24	11		11		11		11	
1/4	2,258.68	1/4	1,863.07	1/4	1,467.22	1/4	1,071.54	1/4	675.71	1/4	280.01	1/4		1/4		1/4		1/4	
1/2	2,250.43	1/2	1,854.82	1/2	1,458.97	1/2	1,063.29	1/2	667.46	1/2	271.78	1/2		1/2		1/2		1/2	
3/4	2,242.18	3/4	1,846.57	3/4	1,450.73	3/4	1,055.05	3/4	659.22	3/4	263.54	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/11/2013 CL - SW
CALCULATED: 04/11/2013 CL
PRINTED: 04/11/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2013

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



BARGE "KIRBY 30042B"

2 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 1/4"

0 FT.			1 FT.			2 FT.			3 FT.			4 FT.			5 FT.			6 FT.			7 FT.			8 FT.			9 FT.		
IN			IN			IN			IN			IN			IN			IN			IN			IN			IN		
0			0			0			0			0			0			0			0			0			0		
1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4		
1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2		
3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4		
1			1			1			1			1			1			1			1			1			1		
1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4		
1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2		
3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4		
2			2			2			2			2			2			2			2			2			2		
1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4		
1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2		
3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4		
3			3			3			3			3			3			3			3			3			3		
1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4		
1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2		
3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4		
4			4			4			4			4			4			4			4			4			4		
1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4		
1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2		
3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4		
5			5			5			5			5			5			5			5			5			5		
1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4		
1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2		
3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4		
6			6			6			6			6			6			6			6			6			6		
1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4		
1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2		
3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4		
7			7			7			7			7			7			7			7			7			7		
1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4		
1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2		
3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4		
8			8			8			8			8			8			8			8			8			8		
1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4		
1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2		
3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4		
9			9			9			9			9			9			9			9			9			9		
1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4		
1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2		
3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4		
10			10			10			10			10			10			10			10			10			10		
1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4		
1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2		
3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4		
11			11			11			11			11			11			11			11			11			11		
1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4			1/4		
1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2			1/2		
3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4			3/4		
						5,271.94						4,929.29																	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 52'-06" FORWARD OF AFT BULKHEAD.

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 30042B"

2 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-07 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	2,586.84	0	2,192.77	0	1,798.71	0	1,406.82	0	1,025.67	0	631.62	0	237.77	0		0		0	
1/4	2,578.63	1/4	2,184.56	1/4	1,790.50	1/4	1,398.92	1/4	1,017.46	1/4	623.41	1/4	229.58	1/4		1/4		1/4	
1/2	2,570.42	1/2	2,176.35	1/2	1,782.29	1/2	1,391.02	1/2	1,009.25	1/2	615.20	1/2	221.38	1/2		1/2		1/2	
3/4	2,562.21	3/4	2,168.14	3/4	1,774.08	3/4	1,383.12	3/4	1,001.04	3/4	606.99	3/4	213.19	3/4		3/4		3/4	
1	2,554.00	1	2,159.93	1	1,765.87	1	1,375.23	1	992.83	1	598.78	1	205.00	1		1		1	
1/4	2,545.79	1/4	2,151.72	1/4	1,757.66	1/4	1,367.33	1/4	984.62	1/4	590.57	1/4	196.81	1/4		1/4		1/4	
1/2	2,537.58	1/2	2,143.51	1/2	1,749.45	1/2	1,359.43	1/2	976.41	1/2	582.36	1/2	188.63	1/2		1/2		1/2	
3/4	2,529.37	3/4	2,135.31	3/4	1,741.24	3/4	1,351.53	3/4	968.20	3/4	574.15	3/4	180.45	3/4		3/4		3/4	
2	2,521.16	2	2,127.10	2	1,733.03	2	1,343.63	2	960.00	2	565.94	2	172.27	2		2		2	
1/4	2,512.95	1/4	2,118.89	1/4	1,724.82	1/4	1,335.73	1/4	951.79	1/4	557.73	1/4	164.09	1/4		1/4		1/4	
1/2	2,504.74	1/2	2,110.68	1/2	1,716.61	1/2	1,327.83	1/2	943.58	1/2	549.53	1/2	155.92	1/2		1/2		1/2	
3/4	2,496.53	3/4	2,102.47	3/4	1,708.40	3/4	1,319.93	3/4	935.37	3/4	541.32	3/4	147.76	3/4		3/4		3/4	
3	2,488.32	3	2,094.26	3	1,700.19	3	1,312.04	3	927.16	3	533.11	3	139.59	3		3		3	
1/4	2,480.11	1/4	2,086.05	1/4	1,691.98	1/4	1,304.14	1/4	918.95	1/4	524.90	1/4	131.43	1/4		1/4		1/4	
1/2	2,471.90	1/2	2,077.84	1/2	1,683.77	1/2	1,296.24	1/2	910.74	1/2	516.69	1/2	123.27	1/2		1/2		1/2	
3/4	2,463.69	3/4	2,069.63	3/4	1,675.56	3/4	1,288.35	3/4	902.53	3/4	508.48	3/4	115.12	3/4		3/4		3/4	
4	2,455.48	4	2,061.42	4	1,667.35	4	1,280.46	4	894.32	4	500.27	4	106.97	4		4		4	
1/4	2,447.27	1/4	2,053.21	1/4	1,659.14	1/4	1,272.56	1/4	886.11	1/4	492.06	1/4	98.81	1/4		1/4		1/4	
1/2	2,439.06	1/2	2,045.00	1/2	1,650.93	1/2	1,264.67	1/2	877.90	1/2	483.85	1/2	90.71	1/2		1/2		1/2	
3/4	2,430.85	3/4	2,036.79	3/4	1,642.72	3/4	1,256.78	3/4	869.69	3/4	475.64	3/4	82.60	3/4		3/4		3/4	
5	2,422.64	5	2,028.58	5	1,634.51	5	1,248.88	5	861.48	5	467.43	5	74.49	5		5		5	
1/4	2,414.43	1/4	2,020.37	1/4	1,626.30	1/4	1,240.99	1/4	853.27	1/4	459.22	1/4	66.39	1/4		1/4		1/4	
1/2	2,406.23	1/2	2,012.16	1/2	1,618.09	1/2	1,233.10	1/2	845.06	1/2	451.01	1/2	59.21	1/2		1/2		1/2	
3/4	2,398.02	3/4	2,003.95	3/4	1,609.88	3/4	1,225.20	3/4	836.85	3/4	442.80	3/4	52.03	3/4		3/4		3/4	
6	2,389.81	6	1,995.74	6	1,601.67	6	1,217.31	6	828.65	6	434.59	6	44.85	6		6		6	
1/4	2,381.60	1/4	1,987.53	1/4	1,593.46	1/4	1,209.42	1/4	820.44	1/4	426.38	1/4	37.67	1/4		1/4		1/4	
1/2	2,373.39	1/2	1,979.32	1/2	1,585.26	1/2	1,201.52	1/2	812.23	1/2	418.18	1/2	32.54	1/2		1/2		1/2	
3/4	2,365.18	3/4	1,971.11	3/4	1,577.05	3/4	1,193.63	3/4	804.02	3/4	409.97	3/4	27.41	3/4		3/4		3/4	
7	2,356.97	7	1,962.90	7	1,568.84	7	1,185.74	7	795.81	7	401.76	7	22.28	7		7		7	
1/4	2,348.76	1/4	1,954.69	1/4	1,560.63	1/4	1,177.84	1/4	787.60	1/4	393.55	1/4	17.15	1/4		1/4		1/4	
1/2	2,340.55	1/2	1,946.48	1/2	1,552.42	1/2	1,169.95	1/2	779.39	1/2	385.34	1/2		1/2		1/2		1/2	
3/4	2,332.34	3/4	1,938.27	3/4	1,544.21	3/4	1,162.06	3/4	771.18	3/4	377.13	3/4		3/4		3/4		3/4	
8	2,324.13	8	1,930.06	8	1,536.00	8	1,154.16	8	762.97	8	368.92	8		8		8		8	
1/4	2,315.92	1/4	1,921.85	1/4	1,527.79	1/4	1,146.27	1/4	754.76	1/4	360.71	1/4		1/4		1/4		1/4	
1/2	2,307.71	1/2	1,913.64	1/2	1,519.58	1/2	1,138.38	1/2	746.55	1/2	352.51	1/2		1/2		1/2		1/2	
3/4	2,299.50	3/4	1,905.43	3/4	1,511.37	3/4	1,130.48	3/4	738.34	3/4	344.32	3/4		3/4		3/4		3/4	
9	2,291.29	9	1,897.22	9	1,503.16	9	1,122.59	9	730.13	9	336.12	9		9		9		9	
1/4	2,283.08	1/4	1,889.01	1/4	1,494.95	1/4	1,114.70	1/4	721.92	1/4	327.93	1/4		1/4		1/4		1/4	
1/2	2,274.87	1/2	1,880.80	1/2	1,486.74	1/2	1,106.80	1/2	713.71	1/2	319.73	1/2		1/2		1/2		1/2	
3/4	2,266.66	3/4	1,872.59	3/4	1,478.53	3/4	1,098.91	3/4	705.50	3/4	311.53	3/4		3/4		3/4		3/4	
10	2,258.45	10	1,864.38	10	1,470.32	10	1,091.02	10	697.29	10	303.34	10		10		10		10	
1/4	2,250.24	1/4	1,856.18	1/4	1,462.11	1/4	1,083.12	1/4	689.09	1/4	295.14	1/4		1/4		1/4		1/4	
1/2	2,242.03	1/2	1,847.97	1/2	1,454.21	1/2	1,074.92	1/2	680.88	1/2	286.95	1/2		1/2		1/2		1/2	
3/4	2,233.82	3/4	1,839.76	3/4	1,446.31	3/4	1,066.71	3/4	672.67	3/4	278.75	3/4		3/4		3/4		3/4	
11	2,225.61	11	1,831.55	11	1,438.41	11	1,058.50	11	664.46	11	270.55	11		11		11		11	
1/4	2,217.40	1/4	1,823.34	1/4	1,430.52	1/4	1,050.30	1/4	656.25	1/4	262.36	1/4		1/4		1/4		1/4	
1/2	2,209.19	1/2	1,815.13	1/2	1,422.62	1/2	1,042.09	1/2	648.04	1/2	254.16	1/2		1/2		1/2		1/2	
3/4	2,200.98	3/4	1,806.92	3/4	1,414.72	3/4	1,033.88	3/4	639.83	3/4	245.97	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/11/2013 CL - SW
CALCULATED: 04/11/2013 CL
PRINTED: 04/11/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2013

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



BARGE "KIRBY 30042B"

2 STBD 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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
									4,959.89		4,590.87		4,202.33		3,808.27		3,414.21		3,020.12		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,952.40	1/4	4,582.96	1/4	4,194.13	1/4	3,800.06	1/4	3,406.00	1/4	3,011.90		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,287.74	1/2	4,944.90	1/2	4,575.04	1/2	4,185.92	1/2	3,791.85	1/2	3,397.79	1/2	3,003.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,282.95	3/4	4,937.41	3/4	4,567.13	3/4	4,177.71	3/4	3,783.65	3/4	3,389.58	3/4	2,995.48
1	1	1	1	1	1	1	1	1	5,278.16	1	4,929.91	1	4,559.21	1	4,169.50	1	3,775.44	1	3,381.37	1	2,987.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,272.00	1/4	4,922.38	1/4	4,551.26	1/4	4,161.29	1/4	3,767.23	1/4	3,373.17	1/4	2,979.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,265.84	1/2	4,914.85	1/2	4,543.31	1/2	4,153.08	1/2	3,759.02	1/2	3,364.96	1/2	2,970.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,259.68	3/4	4,907.32	3/4	4,535.36	3/4	4,144.87	3/4	3,750.81	3/4	3,356.75	3/4	2,962.62
2	2	2	2	2	2	2	2	2	5,253.52	2	4,899.79	2	4,527.41	2	4,136.66	2	3,742.60	2	3,348.54	2	2,954.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,245.99	1/4	4,892.23	1/4	4,519.42	1/4	4,128.45	1/4	3,734.39	1/4	3,340.33	1/4	2,946.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,238.46	1/2	4,884.66	1/2	4,511.44	1/2	4,120.24	1/2	3,726.18	1/2	3,332.12	1/2	2,937.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,230.93	3/4	4,877.10	3/4	4,503.45	3/4	4,112.03	3/4	3,717.97	3/4	3,323.91	3/4	2,929.77
3	3	3	3	3	3	3	3	3	5,223.40	3	4,869.53	3	4,495.46	3	4,103.82	3	3,709.76	3	3,315.70	3	2,921.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,216.22	1/4	4,861.93	1/4	4,487.44	1/4	4,095.61	1/4	3,701.55	1/4	3,307.49	1/4	2,913.35
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,209.04	1/2	4,854.33	1/2	4,479.42	1/2	4,087.40	1/2	3,693.34	1/2	3,299.28	1/2	2,905.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,201.86	3/4	4,846.73	3/4	4,471.40	3/4	4,079.19	3/4	3,685.13	3/4	3,291.07	3/4	2,896.92
4	4	4	4	4	4	4	4	4	5,194.68	4	4,839.13	4	4,463.38	4	4,070.98	4	3,676.92	4	3,282.86	4	2,888.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,187.46	1/4	4,831.49	1/4	4,455.32	1/4	4,062.77	1/4	3,668.71	1/4	3,274.65	1/4	2,880.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,180.25	1/2	4,823.86	1/2	4,447.27	1/2	4,054.56	1/2	3,660.50	1/2	3,266.44	1/2	2,872.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,173.04	3/4	4,816.22	3/4	4,439.21	3/4	4,046.35	3/4	3,652.29	3/4	3,258.23	3/4	2,864.07
5	5	5	5	5	5	5	5	5	5,165.82	5	4,808.59	5	4,431.16	5	4,038.14	5	3,644.08	5	3,250.02	5	2,855.85
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,158.57	1/4	4,800.92	1/4	4,423.06	1/4	4,029.93	1/4	3,635.87	1/4	3,241.81	1/4	2,847.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,151.32	1/2	4,793.25	1/2	4,414.97	1/2	4,021.72	1/2	3,627.66	1/2	3,233.60	1/2	2,839.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,144.07	3/4	4,785.58	3/4	4,406.88	3/4	4,013.51	3/4	3,619.45	3/4	3,225.39	3/4	2,831.22
6	6	6	6	6	6	6	6	6	5,136.82	6	4,777.91	6	4,398.79	6	4,005.30	6	3,611.24	6	3,217.18	6	2,823.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,129.54	1/4	4,770.20	1/4	4,390.66	1/4	3,997.09	1/4	3,603.03	1/4	3,208.97	1/4	2,814.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,122.25	1/2	4,762.50	1/2	4,382.54	1/2	3,988.89	1/2	3,594.82	1/2	3,200.76	1/2	2,806.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,114.97	3/4	4,754.79	3/4	4,374.41	3/4	3,980.68	3/4	3,586.61	3/4	3,192.55	3/4	2,798.36
7	7	7	7	7	7	7	7	7	5,107.68	7	4,747.09	7	4,366.29	7	3,972.47	7	3,578.41	7	3,184.34	7	2,790.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,100.37	1/4	4,739.35	1/4	4,358.12	1/4	3,964.26	1/4	3,570.20	1/4	3,176.13	1/4	2,781.94
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,093.05	1/2	4,731.61	1/2	4,349.96	1/2	3,956.05	1/2	3,561.99	1/2	3,167.93	1/2	2,773.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,085.73	3/4	4,723.87	3/4	4,341.80	3/4	3,947.84	3/4	3,553.78	3/4	3,159.72	3/4	2,765.51
8	8	8	8	8	8	8	8	8	5,078.41	8	4,716.12	8	4,333.64	8	3,939.63	8	3,545.57	8	3,151.51	8	2,757.30
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,071.05	1/4	4,708.35	1/4	4,325.44	1/4	3,931.42	1/4	3,537.36	1/4	3,143.30	1/4	2,749.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,063.70	1/2	4,700.57	1/2	4,317.24	1/2	3,923.21	1/2	3,529.15	1/2	3,135.09	1/2	2,740.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,056.34	3/4	4,692.80	3/4	4,309.05	3/4	3,915.00	3/4	3,520.94	3/4	3,126.88	3/4	2,732.66
9	9	9	9	9	9	9	9	9	5,048.99	9	4,685.02	9	4,300.85	9	3,906.79	9	3,512.73	9	3,118.67	9	2,724.45
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,041.60	1/4	4,677.21	1/4	4,292.64	1/4	3,898.58	1/4	3,504.52	1/4	3,110.46	1/4	2,716.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,034.21	1/2	4,669.40	1/2	4,284.43	1/2	3,890.37	1/2	3,496.31	1/2	3,102.24	1/2	2,708.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,026.82	3/4	4,661.59	3/4	4,276.22	3/4	3,882.16	3/4	3,488.10	3/4	3,094.03	3/4	2,699.81
10	10	10	10	10	10	10	10	10	5,019.43	10	4,653.78	10	4,268.01	10	3,873.95	10	3,479.89	10	3,085.82	10	2,691.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,012.00	1/4	4,645.93	1/4	4,259.80	1/4	3,865.74	1/4	3,471.68	1/4	3,077.61	1/4	2,683.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,004.58	1/2	4,638.09	1/2	4,251.59	1/2	3,857.53	1/2	3,463.47	1/2	3,069.40	1/2	2,675.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,997.15	3/4	4,630.24	3/4	4,243.38	3/4	3,849.32	3/4	3,455.26	3/4	3,061.18	3/4	2,666.95
11	11	11	11	11	11	11	11	11	4,989.73	11	4,622.40	11	4,235.17	11	3,841.11	11	3,447.05	11	3,052.97	11	2,658.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,982.27	1/4	4,614.52	1/4	4,226.96	1/4	3,823.90	1/4	3,438.84	1/4	3,044.76	1/4	2,650.53
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,974.81	1/2	4,606.64	1/2	4,218.75	1/2	3,824.69	1/2	3,430.63	1/2	3,036.54	1/2	2,642.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,967.35	3/4	4,598.76	3/4	4,210.54	3/4	3,816.48	3/4	3,422.42	3/4	3,028.33	3/4	2,634.10

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 52'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 30042B"

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	2,625.89	0	2,231.66	0	1,839.27	0	1,444.99	0	1,050.88	0	656.61	0	262.50	0		0		0	
1/4	2,617.67	1/4	2,223.45	1/4	1,831.06	1/4	1,436.78	1/4	1,042.67	1/4	648.40	1/4	254.30	1/4	1/4	1/4		1/4	1/4
1/2	2,609.46	1/2	2,215.23	1/2	1,822.85	1/2	1,428.56	1/2	1,034.46	1/2	640.18	1/2	246.10	1/2	1/2	1/2		1/2	1/2
3/4	2,601.25	3/4	2,207.02	3/4	1,814.63	3/4	1,420.35	3/4	1,026.24	3/4	631.97	3/4	237.90	3/4	3/4	3/4		3/4	3/4
1	2,593.04	1	2,198.81	1	1,806.42	1	1,412.14	1	1,018.03	1	623.76	1	229.70	1	1	1		1	1
1/4	2,584.82	1/4	2,190.59	1/4	1,798.20	1/4	1,403.92	1/4	1,009.81	1/4	615.54	1/4	221.51	1/4	1/4	1/4		1/4	1/4
1/2	2,576.61	1/2	2,182.38	1/2	1,789.99	1/2	1,395.71	1/2	1,001.60	1/2	607.33	1/2	213.31	1/2	1/2	1/2		1/2	1/2
3/4	2,568.40	3/4	2,174.17	3/4	1,781.77	3/4	1,387.49	3/4	993.39	3/4	599.11	3/4	205.11	3/4	3/4	3/4		3/4	3/4
2	2,560.18	2	2,165.95	2	1,773.56	2	1,379.28	2	985.17	2	590.90	2	196.92	2	2	2		2	2
1/4	2,551.97	1/4	2,157.74	1/4	1,765.35	1/4	1,371.06	1/4	976.96	1/4	582.69	1/4	188.73	1/4	1/4	1/4		1/4	1/4
1/2	2,543.76	1/2	2,149.53	1/2	1,757.13	1/2	1,362.85	1/2	968.74	1/2	574.47	1/2	180.55	1/2	1/2	1/2		1/2	1/2
3/4	2,535.54	3/4	2,141.31	3/4	1,748.92	3/4	1,354.64	3/4	960.53	3/4	566.26	3/4	172.36	3/4	3/4	3/4		3/4	3/4
3	2,527.33	3	2,133.10	3	1,740.70	3	1,346.42	3	952.32	3	558.04	3	164.18	3	3	3		3	3
1/4	2,519.12	1/4	2,124.89	1/4	1,732.49	1/4	1,338.21	1/4	944.10	1/4	549.83	1/4	156.01	1/4	1/4	1/4		1/4	1/4
1/2	2,510.90	1/2	2,116.68	1/2	1,724.28	1/2	1,329.99	1/2	935.89	1/2	541.62	1/2	147.84	1/2	1/2	1/2		1/2	1/2
3/4	2,502.69	3/4	2,108.46	3/4	1,716.06	3/4	1,321.78	3/4	927.67	3/4	533.40	3/4	139.67	3/4	3/4	3/4		3/4	3/4
4	2,494.48	4	2,100.25	4	1,707.85	4	1,313.57	4	919.46	4	525.19	4	131.50	4	4	4		4	4
1/4	2,486.27	1/4	2,092.04	1/4	1,699.63	1/4	1,305.36	1/4	911.25	1/4	516.97	1/4	123.34	1/4	1/4	1/4		1/4	1/4
1/2	2,478.05	1/2	2,083.82	1/2	1,691.42	1/2	1,297.15	1/2	903.03	1/2	508.76	1/2	115.18	1/2	1/2	1/2		1/2	1/2
3/4	2,469.84	3/4	2,075.61	3/4	1,683.20	3/4	1,288.94	3/4	894.82	3/4	500.55	3/4	107.03	3/4	3/4	3/4		3/4	3/4
5	2,461.63	5	2,067.40	5	1,674.99	5	1,280.73	5	886.60	5	492.33	5	98.87	5	5	5		5	5
1/4	2,453.41	1/4	2,059.24	1/4	1,666.78	1/4	1,272.52	1/4	878.39	1/4	484.12	1/4	90.76	1/4	1/4	1/4		1/4	1/4
1/2	2,445.20	1/2	2,051.09	1/2	1,658.56	1/2	1,264.31	1/2	870.18	1/2	475.90	1/2	82.65	1/2	1/2	1/2		1/2	1/2
3/4	2,436.99	3/4	2,042.93	3/4	1,650.35	3/4	1,256.10	3/4	861.96	3/4	467.69	3/4	74.53	3/4	3/4	3/4		3/4	3/4
6	2,428.77	6	2,034.78	6	1,642.13	6	1,247.90	6	853.75	6	459.48	6	66.42	6	6	6		6	6
1/4	2,420.56	1/4	2,026.68	1/4	1,633.92	1/4	1,239.69	1/4	845.53	1/4	451.26	1/4	59.24	1/4	1/4	1/4		1/4	1/4
1/2	2,412.35	1/2	2,018.58	1/2	1,625.71	1/2	1,231.48	1/2	837.32	1/2	443.05	1/2	52.06	1/2	1/2	1/2		1/2	1/2
3/4	2,404.13	3/4	2,010.49	3/4	1,617.49	3/4	1,223.27	3/4	829.11	3/4	434.83	3/4	44.88	3/4	3/4	3/4		3/4	3/4
7	2,395.92	7	2,002.39	7	1,609.28	7	1,215.06	7	820.89	7	426.62	7	37.69	7	7	7		7	7
1/4	2,387.71	1/4	1,994.29	1/4	1,601.06	1/4	1,206.85	1/4	812.68	1/4	418.41	1/4	32.56	1/4	1/4	1/4		1/4	1/4
1/2	2,379.49	1/2	1,986.20	1/2	1,592.85	1/2	1,198.64	1/2	804.46	1/2	410.19	1/2	27.43	1/2	1/2	1/2		1/2	1/2
3/4	2,371.28	3/4	1,978.10	3/4	1,584.63	3/4	1,190.43	3/4	796.25	3/4	401.98	3/4	22.29	3/4	3/4	3/4		3/4	3/4
8	2,363.07	8	1,970.00	8	1,576.42	8	1,182.22	8	788.04	8	393.76	8	17.16	8	8	8		8	8
1/4	2,354.86	1/4	1,961.90	1/4	1,568.21	1/4	1,174.02	1/4	779.82	1/4	385.55	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,346.64	1/2	1,953.81	1/2	1,559.99	1/2	1,165.81	1/2	771.61	1/2	377.34	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,338.43	3/4	1,945.71	3/4	1,551.78	3/4	1,157.60	3/4	763.39	3/4	369.12	3/4		3/4	3/4	3/4		3/4	3/4
9	2,330.22	9	1,937.61	9	1,543.56	9	1,149.39	9	755.18	9	360.91	9		9	9	9		9	9
1/4	2,322.00	1/4	1,929.46	1/4	1,535.35	1/4	1,141.18	1/4	746.97	1/4	352.71	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,313.79	1/2	1,921.30	1/2	1,527.13	1/2	1,132.97	1/2	738.75	1/2	344.51	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,305.58	3/4	1,913.14	3/4	1,518.92	3/4	1,124.76	3/4	730.54	3/4	336.31	3/4		3/4	3/4	3/4		3/4	3/4
10	2,297.36	10	1,904.99	10	1,510.71	10	1,116.55	10	722.32	10	328.11	10		10	10	10		10	10
1/4	2,289.15	1/4	1,896.77	1/4	1,502.49	1/4	1,108.35	1/4	714.11	1/4	319.91	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,280.94	1/2	1,888.56	1/2	1,494.28	1/2	1,100.14	1/2	705.90	1/2	311.71	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,272.72	3/4	1,880.35	3/4	1,486.06	3/4	1,091.93	3/4	697.68	3/4	303.51	3/4		3/4	3/4	3/4		3/4	3/4
11	2,264.51	11	1,872.13	11	1,477.85	11	1,083.72	11	689.47	11	295.30	11		11	11	11		11	11
1/4	2,256.30	1/4	1,863.92	1/4	1,469.64	1/4	1,075.51	1/4	681.25	1/4	287.10	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,248.09	1/2	1,855.70	1/2	1,461.42	1/2	1,067.30	1/2	673.04	1/2	278.90	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,239.87	3/4	1,847.49	3/4	1,453.21	3/4	1,059.09	3/4	664.83	3/4	270.70	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/11/2013 CL - SW
CALCULATED: 04/11/2013 CL
PRINTED: 04/11/2013 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2013



BARGE "KIRBY 30042B"

3 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-06 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	4,621.49	0	4,333.63	0	4,030.30	0	3,704.70	0	3,312.76	0	2,920.95
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,615.66	1/4	4,327.47	1/4	4,023.89	1/4	3,696.54	1/4	3,304.60	1/4	2,912.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,609.83	1/2	4,321.31	1/2	4,017.47	1/2	3,688.37	1/2	3,296.43	1/2	2,904.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,603.97	3/4	4,315.12	3/4	4,011.05	3/4	3,680.21	3/4	3,288.27	3/4	2,896.46
1		1		1		1	4,862.31	1	4,598.11	1	4,308.93	1	4,004.63	1	3,672.04	1	3,280.10	1	2,888.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,859.30	1/4	4,592.25	1/4	4,302.74	1/4	3,998.21	1/4	3,663.88	1/4	3,271.94	1/4	2,880.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,856.28	1/2	4,586.39	1/2	4,296.55	1/2	3,991.79	1/2	3,655.71	1/2	3,263.77	1/2	2,871.97
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,851.91	3/4	4,580.50	3/4	4,290.33	3/4	3,985.37	3/4	3,647.54	3/4	3,255.61	3/4	2,863.80
2		2		2		2	4,847.53	2	4,574.61	2	4,284.11	2	3,978.95	2	3,639.38	2	3,247.44	2	2,855.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,843.15	1/4	4,568.73	1/4	4,277.89	1/4	3,972.53	1/4	3,631.21	1/4	3,239.27	1/4	2,847.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,838.77	1/2	4,562.84	1/2	4,271.68	1/2	3,966.11	1/2	3,623.05	1/2	3,231.11	1/2	2,839.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,833.03	3/4	4,556.93	3/4	4,265.43	3/4	3,959.69	3/4	3,614.88	3/4	3,222.94	3/4	2,831.14
3		3		3		3	4,827.29	3	4,551.01	3	4,259.19	3	3,953.27	3	3,606.72	3	3,214.78	3	2,822.97
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,821.54	1/4	4,545.10	1/4	4,252.94	1/4	3,946.85	1/4	3,598.55	1/4	3,206.61	1/4	2,814.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,815.80	1/2	4,539.18	1/2	4,246.70	1/2	3,940.43	1/2	3,590.39	1/2	3,198.45	1/2	2,806.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,810.19	3/4	4,533.24	3/4	4,240.42	3/4	3,934.01	3/4	3,582.22	3/4	3,190.28	3/4	2,798.46
4		4		4		4	4,804.58	4	4,527.30	4	4,234.15	4	3,927.59	4	3,574.06	4	3,182.12	4	2,790.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,798.97	1/4	4,521.36	1/4	4,227.88	1/4	3,921.17	1/4	3,565.89	1/4	3,173.95	1/4	2,782.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,793.36	1/2	4,515.42	1/2	4,221.61	1/2	3,914.75	1/2	3,557.73	1/2	3,165.79	1/2	2,773.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,787.72	3/4	4,509.45	3/4	4,215.31	3/4	3,908.33	3/4	3,549.56	3/4	3,157.62	3/4	2,765.77
5		5		5		5	4,782.08	5	4,503.48	5	4,209.01	5	3,901.91	5	3,541.39	5	3,149.46	5	2,757.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,776.44	1/4	4,497.51	1/4	4,202.71	1/4	3,895.49	1/4	3,533.23	1/4	3,141.29	1/4	2,749.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,770.80	1/2	4,491.54	1/2	4,196.41	1/2	3,889.07	1/2	3,525.06	1/2	3,133.12	1/2	2,741.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,765.13	3/4	4,485.54	3/4	4,190.08	3/4	3,882.65	3/4	3,516.90	3/4	3,124.96	3/4	2,733.09
6		6		6		6	4,759.47	6	4,479.54	6	4,183.75	6	3,876.23	6	3,508.73	6	3,116.79	6	2,724.92
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,753.80	1/4	4,473.55	1/4	4,177.42	1/4	3,869.81	1/4	3,500.57	1/4	3,108.63	1/4	2,716.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,748.13	1/2	4,467.55	1/2	4,171.10	1/2	3,863.39	1/2	3,492.40	1/2	3,100.46	1/2	2,708.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,742.44	3/4	4,461.53	3/4	4,164.74	3/4	3,856.97	3/4	3,484.24	3/4	3,092.30	3/4	2,700.41
7		7		7		7	4,736.75	7	4,455.50	7	4,158.38	7	3,850.55	7	3,476.07	7	3,084.15	7	2,692.23
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,731.05	1/4	4,449.48	1/4	4,152.03	1/4	3,844.13	1/4	3,467.91	1/4	3,075.99	1/4	2,684.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,725.36	1/2	4,443.45	1/2	4,145.67	1/2	3,837.71	1/2	3,459.74	1/2	3,067.83	1/2	2,675.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,719.64	3/4	4,437.40	3/4	4,139.29	3/4	3,831.29	3/4	3,451.57	3/4	3,059.67	3/4	2,667.72
8		8		8		8	4,713.91	8	4,431.35	8	4,132.91	8	3,824.87	8	3,443.41	8	3,051.51	8	2,659.55
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,708.19	1/4	4,425.29	1/4	4,126.53	1/4	3,818.45	1/4	3,435.24	1/4	3,043.35	1/4	2,651.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,702.47	1/2	4,419.24	1/2	4,120.14	1/2	3,812.04	1/2	3,427.08	1/2	3,035.19	1/2	2,643.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,696.72	3/4	4,413.16	3/4	4,113.73	3/4	3,805.62	3/4	3,418.91	3/4	3,027.04	3/4	2,635.04
9		9		9		9	4,690.97	9	4,407.08	9	4,107.32	9	3,799.20	9	3,410.75	9	3,018.88	9	2,626.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,685.22	1/4	4,401.00	1/4	4,100.91	1/4	3,792.78	1/4	3,402.58	1/4	3,010.72	1/4	2,618.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,679.48	1/2	4,394.92	1/2	4,094.50	1/2	3,786.36	1/2	3,394.42	1/2	3,002.56	1/2	2,610.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,673.70	3/4	4,388.82	3/4	4,088.08	3/4	3,778.19	3/4	3,386.25	3/4	2,994.40	3/4	2,602.35
10		10		10		10	4,667.92	10	4,382.71	10	4,081.66	10	3,770.03	10	3,378.09	10	2,986.24	10	2,594.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,662.15	1/4	4,376.60	1/4	4,075.24	1/4	3,761.86	1/4	3,369.92	1/4	2,978.08	1/4	2,586.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,656.37	1/2	4,370.50	1/2	4,068.82	1/2	3,753.69	1/2	3,361.76	1/2	2,969.93	1/2	2,577.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,650.56	3/4	4,364.36	3/4	4,062.40	3/4	3,745.53	3/4	3,353.59	3/4	2,961.76	3/4	2,569.67
11		11		11		11	4,644.76	11	4,358.23	11	4,055.98	11	3,737.36	11	3,345.42	11	2,953.60	11	2,561.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,638.96	1/4	4,352.09	1/4	4,049.56	1/4	3,729.20	1/4	3,337.26	1/4	2,945.44	1/4	2,553.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,633.15	1/2	4,345.96	1/2	4,043.14	1/2	3,721.03	1/2	3,329.09	1/2	2,937.27	1/2	2,545.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,627.32	3/4	4,339.79	3/4	4,036.72	3/4	3,712.87	3/4	3,320.93	3/4	2,929.11	3/4	2,536.98

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 30042B"

3 PORT ULLAGE TABLE

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

GAUGE HEIGHT 16'-06 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	2,528.81	0	2,137.45	0	1,746.04	0	1,353.99	0	972.00	0	585.62	0	191.84	0		0			
1/4	2,520.64	1/4	2,129.31	1/4	1,737.88	1/4	1,345.82	1/4	964.17	1/4	577.46	1/4	183.41	1/4		1/4			1/4
1/2	2,512.47	1/2	2,121.17	1/2	1,729.71	1/2	1,337.65	1/2	956.34	1/2	569.31	1/2	174.98	1/2		1/2			1/2
3/4	2,504.30	3/4	2,113.04	3/4	1,721.54	3/4	1,329.48	3/4	948.50	3/4	561.15	3/4	167.39	3/4		3/4			3/4
1	2,496.13	1	2,104.90	1	1,713.37	1	1,321.31	1	940.66	1	553.00	1	159.81	1		1			1
1/4	2,487.95	1/4	2,096.76	1/4	1,705.21	1/4	1,313.15	1/4	932.83	1/4	544.84	1/4	152.22	1/4		1/4			1/4
1/2	2,479.78	1/2	2,088.62	1/2	1,697.04	1/2	1,304.98	1/2	924.99	1/2	536.69	1/2	144.64	1/2		1/2			1/2
3/4	2,471.61	3/4	2,080.48	3/4	1,688.87	3/4	1,296.81	3/4	917.16	3/4	528.54	3/4	138.23	3/4		3/4			3/4
2	2,463.44	2	2,072.34	2	1,680.70	2	1,288.64	2	909.32	2	520.38	2	131.83	2		2			2
1/4	2,455.27	1/4	2,064.21	1/4	1,672.53	1/4	1,280.47	1/4	901.49	1/4	512.23	1/4	125.42	1/4		1/4			1/4
1/2	2,447.10	1/2	2,056.07	1/2	1,664.37	1/2	1,272.31	1/2	893.65	1/2	504.07	1/2	119.02	1/2		1/2			1/2
3/4	2,438.93	3/4	2,047.93	3/4	1,656.20	3/4	1,264.14	3/4	885.80	3/4	495.92	3/4	113.79	3/4		3/4			3/4
3	2,430.76	3	2,039.79	3	1,648.03	3	1,255.97	3	877.95	3	487.76	3	108.57	3		3			3
1/4	2,422.58	1/4	2,031.65	1/4	1,639.86	1/4	1,247.80	1/4	870.11	1/4	479.61	1/4	103.35	1/4		1/4			1/4
1/2	2,414.41	1/2	2,023.52	1/2	1,631.69	1/2	1,239.63	1/2	862.26	1/2	471.45	1/2	98.13	1/2		1/2			1/2
3/4	2,406.24	3/4	2,015.38	3/4	1,623.53	3/4	1,231.47	3/4	854.39	3/4	463.28	3/4	94.10	3/4		3/4			3/4
4	2,398.07	4	2,007.24	4	1,615.36	4	1,223.30	4	846.52	4	455.10	4	90.07	4		4			4
1/4	2,389.90	1/4	1,999.10	1/4	1,607.19	1/4	1,215.13	1/4	838.65	1/4	446.93	1/4	86.03	1/4		1/4			1/4
1/2	2,381.73	1/2	1,990.96	1/2	1,599.02	1/2	1,206.96	1/2	830.78	1/2	438.76	1/2	82.00	1/2		1/2			1/2
3/4	2,373.56	3/4	1,982.82	3/4	1,590.85	3/4	1,199.12	3/4	822.61	3/4	430.58	3/4	79.42	3/4		3/4			3/4
5	2,365.39	5	1,974.69	5	1,582.69	5	1,191.27	5	814.43	5	422.41	5	76.83	5		5			5
1/4	2,357.21	1/4	1,966.55	1/4	1,574.52	1/4	1,183.42	1/4	806.26	1/4	414.24	1/4	74.24	1/4		1/4			1/4
1/2	2,349.04	1/2	1,958.41	1/2	1,566.35	1/2	1,175.58	1/2	798.09	1/2	406.06	1/2	71.66	1/2		1/2			1/2
3/4	2,340.91	3/4	1,950.24	3/4	1,558.18	3/4	1,167.75	3/4	789.92	3/4	397.88	3/4	70.29	3/4		3/4			3/4
6	2,332.77	6	1,942.07	6	1,550.01	6	1,159.92	6	781.74	6	389.69	6	68.92	6		6			6
1/4	2,324.63	1/4	1,933.91	1/4	1,541.85	1/4	1,152.09	1/4	773.57	1/4	381.51	1/4	67.56	1/4		1/4			1/4
1/2	2,316.49	1/2	1,925.74	1/2	1,533.68	1/2	1,144.26	1/2	765.40	1/2	373.32	1/2	66.19	1/2		1/2			1/2
3/4	2,308.35	3/4	1,917.57	3/4	1,525.51	3/4	1,136.43	3/4	757.22	3/4	365.14	3/4		3/4		3/4			3/4
7	2,300.21	7	1,909.40	7	1,517.34	7	1,128.60	7	749.05	7	356.95	7		7		7			7
1/4	2,292.08	1/4	1,901.23	1/4	1,509.18	1/4	1,120.77	1/4	740.88	1/4	348.77	1/4		1/4		1/4			1/4
1/2	2,283.94	1/2	1,893.07	1/2	1,501.01	1/2	1,112.94	1/2	732.70	1/2	340.58	1/2		1/2		1/2			1/2
3/4	2,275.80	3/4	1,884.90	3/4	1,492.84	3/4	1,105.11	3/4	724.53	3/4	332.40	3/4		3/4		3/4			3/4
8	2,267.66	8	1,876.73	8	1,484.67	8	1,097.28	8	716.36	8	324.21	8		8		8			8
1/4	2,259.52	1/4	1,868.56	1/4	1,476.50	1/4	1,089.45	1/4	708.18	1/4	316.03	1/4		1/4		1/4			1/4
1/2	2,251.39	1/2	1,860.40	1/2	1,468.34	1/2	1,081.62	1/2	700.01	1/2	307.84	1/2		1/2		1/2			1/2
3/4	2,243.25	3/4	1,852.23	3/4	1,460.17	3/4	1,073.79	3/4	691.84	3/4	299.66	3/4		3/4		3/4			3/4
9	2,235.11	9	1,844.06	9	1,452.00	9	1,065.96	9	683.66	9	291.47	9		9		9			9
1/4	2,226.97	1/4	1,835.89	1/4	1,443.83	1/4	1,058.13	1/4	675.49	1/4	283.29	1/4		1/4		1/4			1/4
1/2	2,218.83	1/2	1,827.72	1/2	1,435.66	1/2	1,050.30	1/2	667.32	1/2	275.10	1/2		1/2		1/2			1/2
3/4	2,210.69	3/4	1,819.56	3/4	1,427.50	3/4	1,042.47	3/4	659.14	3/4	266.93	3/4		3/4		3/4			3/4
10	2,202.56	10	1,811.39	10	1,419.33	10	1,034.64	10	650.97	10	258.76	10		10		10			10
1/4	2,194.42	1/4	1,803.22	1/4	1,411.16	1/4	1,026.81	1/4	642.80	1/4	250.59	1/4		1/4		1/4			1/4
1/2	2,186.28	1/2	1,795.05	1/2	1,402.99	1/2	1,018.98	1/2	634.62	1/2	242.42	1/2		1/2		1/2			1/2
3/4	2,178.14	3/4	1,786.88	3/4	1,394.82	3/4	1,011.15	3/4	626.45	3/4	233.99	3/4		3/4		3/4			3/4
11	2,170.00	11	1,778.72	11	1,386.66	11	1,003.32	11	618.28	11	225.56	11		11		11			11
1/4	2,161.86	1/4	1,770.55	1/4	1,378.49	1/4	995.49	1/4	610.10	1/4	217.13	1/4		1/4		1/4			1/4
1/2	2,153.73	1/2	1,762.38	1/2	1,370.32	1/2	987.66	1/2	601.93	1/2	208.70	1/2		1/2		1/2			1/2
3/4	2,145.59	3/4	1,754.21	3/4	1,362.15	3/4	979.83	3/4	593.77	3/4	200.27	3/4		3/4		3/4			3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/11/2013 CL - SW
CALCULATED: 04/11/2013 CL
PRINTED: 04/11/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2013

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



BARGE "KIRBY 30042B"

3 STBD
ULLAGE TABLE

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

GAUGE HEIGHT 16'-06 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

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 30042B"

**3 STBD
ULLAGE TABLE**

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

GAUGE HEIGHT 16'-06 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,539.29	0	2,146.78	0	1,754.58	0	1,362.03	0	969.66	0	577.19	0	183.23	0		0			
1/4	2,531.11	1/4	2,138.60	1/4	1,746.40	1/4	1,353.86	1/4	961.49	1/4	569.03	1/4	174.81	1/4		1/4			1/4
1/2	2,522.93	1/2	2,130.42	1/2	1,738.22	1/2	1,345.68	1/2	953.31	1/2	560.87	1/2	167.23	1/2		1/2			1/2
3/4	2,514.76	3/4	2,122.25	3/4	1,730.04	3/4	1,337.50	3/4	945.13	3/4	552.71	3/4	159.66	3/4		3/4			3/4
1	2,506.58	1	2,114.07	1	1,721.87	1	1,329.32	1	936.96	1	544.55	1	152.08	1		1			1
1/4	2,498.40	1/4	2,105.89	1/4	1,713.69	1/4	1,321.14	1/4	928.78	1/4	536.39	1/4	144.50	1/4		1/4			1/4
1/2	2,490.22	1/2	2,097.71	1/2	1,705.51	1/2	1,312.97	1/2	920.60	1/2	528.23	1/2	138.10	1/2		1/2			1/2
3/4	2,482.05	3/4	2,089.54	3/4	1,697.33	3/4	1,304.79	3/4	912.42	3/4	520.07	3/4	131.70	3/4		3/4			3/4
2	2,473.87	2	2,081.36	2	1,689.15	2	1,296.61	2	904.24	2	511.91	2	125.30	2		2			2
1/4	2,465.69	1/4	2,073.18	1/4	1,680.98	1/4	1,288.43	1/4	896.07	1/4	503.75	1/4	118.90	1/4		1/4			1/4
1/2	2,457.52	1/2	2,065.01	1/2	1,672.80	1/2	1,280.25	1/2	887.89	1/2	495.59	1/2	113.68	1/2		1/2			1/2
3/4	2,449.34	3/4	2,056.83	3/4	1,664.62	3/4	1,272.08	3/4	879.71	3/4	487.43	3/4	108.47	3/4		3/4			3/4
3	2,441.16	3	2,048.65	3	1,656.44	3	1,263.90	3	871.53	3	479.27	3	103.25	3		3			3
1/4	2,432.98	1/4	2,040.47	1/4	1,648.26	1/4	1,255.72	1/4	863.36	1/4	471.12	1/4	98.03	1/4		1/4			1/4
1/2	2,424.81	1/2	2,032.30	1/2	1,640.09	1/2	1,247.54	1/2	855.18	1/2	462.94	1/2	94.01	1/2		1/2			1/2
3/4	2,416.63	3/4	2,024.12	3/4	1,631.91	3/4	1,239.36	3/4	847.00	3/4	454.76	3/4	89.98	3/4		3/4			3/4
4	2,408.45	4	2,015.94	4	1,623.73	4	1,231.19	4	838.82	4	446.58	4	85.95	4		4			4
1/4	2,400.27	1/4	2,007.76	1/4	1,615.55	1/4	1,223.01	1/4	830.64	1/4	438.40	1/4	81.93	1/4		1/4			1/4
1/2	2,392.10	1/2	1,999.59	1/2	1,607.37	1/2	1,214.84	1/2	822.47	1/2	430.23	1/2	79.34	1/2		1/2			1/2
3/4	2,383.92	3/4	1,991.41	3/4	1,599.20	3/4	1,206.66	3/4	814.29	3/4	422.05	3/4	76.76	3/4		3/4			3/4
5	2,375.74	5	1,983.23	5	1,591.02	5	1,198.49	5	806.11	5	413.87	5	74.17	5		5			5
1/4	2,367.57	1/4	1,975.06	1/4	1,582.84	1/4	1,190.32	1/4	797.93	1/4	405.69	1/4	71.59	1/4		1/4			1/4
1/2	2,359.39	1/2	1,966.89	1/2	1,574.66	1/2	1,182.15	1/2	789.75	1/2	397.52	1/2	70.23	1/2		1/2			1/2
3/4	2,351.21	3/4	1,958.72	3/4	1,566.48	3/4	1,173.97	3/4	781.58	3/4	389.34	3/4	68.86	3/4		3/4			3/4
6	2,343.03	6	1,950.55	6	1,558.31	6	1,165.80	6	773.40	6	381.16	6	67.50	6		6			6
1/4	2,334.86	1/4	1,942.39	1/4	1,550.13	1/4	1,157.63	1/4	765.22	1/4	372.98	1/4	<u>66.13</u>	1/4		1/4			1/4
1/2	2,326.68	1/2	1,934.23	1/2	1,541.95	1/2	1,149.46	1/2	757.04	1/2	364.80	1/2		1/2		1/2			1/2
3/4	2,318.50	3/4	1,926.07	3/4	1,533.77	3/4	1,141.28	3/4	748.87	3/4	356.63	3/4		3/4		3/4			3/4
7	2,310.32	7	1,917.91	7	1,525.59	7	1,133.11	7	740.69	7	348.45	7	7	7		7			7
1/4	2,302.15	1/4	1,909.76	1/4	1,517.42	1/4	1,124.94	1/4	732.51	1/4	340.27	1/4		1/4		1/4			1/4
1/2	2,293.97	1/2	1,901.60	1/2	1,509.24	1/2	1,116.77	1/2	724.33	1/2	332.09	1/2		1/2		1/2			1/2
3/4	2,285.79	3/4	1,893.44	3/4	1,501.06	3/4	1,108.59	3/4	716.15	3/4	323.92	3/4		3/4		3/4			3/4
8	2,277.62	8	1,885.28	8	1,492.88	8	1,100.42	8	707.98	8	315.74	8	8	8		8			8
1/4	2,269.44	1/4	1,877.13	1/4	1,484.70	1/4	1,092.25	1/4	699.80	1/4	307.56	1/4		1/4		1/4			1/4
1/2	2,261.26	1/2	1,868.97	1/2	1,476.53	1/2	1,084.08	1/2	691.62	1/2	299.38	1/2		1/2		1/2			1/2
3/4	2,253.08	3/4	1,860.81	3/4	1,468.35	3/4	1,075.90	3/4	683.44	3/4	291.21	3/4		3/4		3/4			3/4
9	2,244.91	9	1,852.65	9	1,460.17	9	1,067.73	9	675.27	9	283.03	9	9	9		9			9
1/4	2,236.73	1/4	1,844.49	1/4	1,451.99	1/4	1,059.56	1/4	667.09	1/4	274.85	1/4		1/4		1/4			1/4
1/2	2,228.55	1/2	1,836.33	1/2	1,443.81	1/2	1,051.39	1/2	658.91	1/2	266.69	1/2		1/2		1/2			1/2
3/4	2,220.37	3/4	1,828.16	3/4	1,435.64	3/4	1,043.21	3/4	650.73	3/4	258.52	3/4		3/4		3/4			3/4
10	2,212.20	10	1,819.99	10	1,427.46	10	1,035.04	10	642.55	10	250.36	10	10	10		10			10
1/4	2,204.02	1/4	1,811.82	1/4	1,419.28	1/4	1,026.87	1/4	634.38	1/4	242.19	1/4		1/4		1/4			1/4
1/2	2,195.84	1/2	1,803.65	1/2	1,411.10	1/2	1,018.70	1/2	626.20	1/2	233.77	1/2		1/2		1/2			1/2
3/4	2,187.66	3/4	1,795.47	3/4	1,402.92	3/4	1,010.52	3/4	618.02	3/4	225.35	3/4		3/4		3/4			3/4
11	2,179.49	11	1,787.29	11	1,394.75	11	1,002.35	11	609.84	11	216.93	11	11	11		11			11
1/4	2,171.31	1/4	1,779.11	1/4	1,386.57	1/4	994.18	1/4	601.67	1/4	208.50	1/4		1/4		1/4			1/4
1/2	2,163.13	1/2	1,770.93	1/2	1,378.39	1/2	986.01	1/2	593.51	1/2	200.08	1/2		1/2		1/2			1/2
3/4	2,154.96	3/4	1,762.76	3/4	1,370.21	3/4	977.83	3/4	585.35	3/4	191.66	3/4		3/4		3/4			3/4

STRAPPED: 04/11/2013 CL - SW
CALCULATED: 04/11/2013 CL
PRINTED: 04/11/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2013

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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