



BARGE "KIRBY 29106"

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	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4
1 STBD	00-1/4	- 00-1/4	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4
2 PORT	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-0/8	- 02-0/8	02-3/8	- 02-3/8
2 STBD	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-0/8	- 02-0/8	02-3/8	- 02-3/8
3 PORT	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-0/8	- 02-0/8	02-1/2	- 02-1/2
3 STBD	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-0/8	- 02-0/8	02-1/2	- 02-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-5/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 3/8"

LENGTH BETWEEN DRAFT MARKS: 261'-00"

February 22, 2013

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29106"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN 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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4		1/4		1/4	4,947.46	1/4	4,611.90	1/4	4,272.04	1/4	3,915.69	1/4	3,543.55	1/4	3,167.03	1/4	2,789.03
1/2		1/2		1/2		1/2	4,940.78	1/2	4,604.98	1/2	4,264.77	1/2	3,908.08	1/2	3,535.71	1/2	3,159.16	1/2	2,781.16
3/4		3/4		3/4		3/4	4,934.11	3/4	4,598.06	3/4	4,257.51	3/4	3,900.46	3/4	3,527.87	3/4	3,151.28	3/4	2,773.28
1	1	1	1	1	1	1	4,927.43	1	4,591.14	1	4,250.24	1	3,892.85	1	3,520.03	1	3,143.41	1	2,765.41
1/4		1/4		1/4		1/4	4,920.75	1/4	4,584.22	1/4	4,242.98	1/4	3,885.24	1/4	3,512.19	1/4	3,135.53	1/4	2,757.53
1/2		1/2		1/2		1/2	4,913.14	1/2	4,577.27	1/2	4,235.68	1/2	3,877.60	1/2	3,504.35	1/2	3,127.66	1/2	2,749.66
3/4		3/4		3/4		3/4	4,905.53	3/4	4,570.31	3/4	4,228.39	3/4	3,869.96	3/4	3,496.51	3/4	3,119.78	3/4	2,741.78
2	2	2	2	2	2	2	4,897.92	2	4,563.36	2	4,221.10	2	3,862.32	2	3,488.67	2	3,111.91	2	2,733.91
1/4		1/4		1/4		1/4	4,890.31	1/4	4,556.41	1/4	4,213.80	1/4	3,854.68	1/4	3,480.83	1/4	3,104.03	1/4	2,726.03
1/2		1/2		1/2		1/2	4,882.47	1/2	4,549.44	1/2	4,206.48	1/2	3,847.02	1/2	3,472.99	1/2	3,096.16	1/2	2,718.16
3/4		3/4		3/4		3/4	4,874.63	3/4	4,542.46	3/4	4,199.16	3/4	3,839.35	3/4	3,465.15	3/4	3,088.28	3/4	2,710.28
3	3	3	3	3	3	3	4,866.79	3	4,535.48	3	4,191.84	3	3,831.69	3	3,457.31	3	3,080.41	3	2,702.41
1/4		1/4		1/4		1/4	4,858.95	1/4	4,528.50	1/4	4,184.51	1/4	3,824.02	1/4	3,449.47	1/4	3,072.53	1/4	2,694.53
1/2		1/2		1/2		1/2	4,851.54	1/2	4,521.49	1/2	4,177.16	1/2	3,816.33	1/2	3,441.63	1/2	3,064.66	1/2	2,686.66
3/4		3/4		3/4		3/4	4,844.14	3/4	4,514.49	3/4	4,169.81	3/4	3,808.63	3/4	3,433.79	3/4	3,056.78	3/4	2,678.78
4	4	4	4	4	4	4	4,836.73	4	4,507.48	4	4,162.46	4	3,800.93	4	3,425.95	4	3,048.91	4	2,670.91
1/4		1/4		1/4		1/4	4,829.32	1/4	4,500.47	1/4	4,155.11	1/4	3,793.24	1/4	3,418.11	1/4	3,041.03	1/4	2,663.03
1/2		1/2		1/2		1/2	4,822.63	1/2	4,493.43	1/2	4,147.73	1/2	3,785.52	1/2	3,410.27	1/2	3,033.16	1/2	2,655.16
3/4		3/4		3/4		3/4	4,815.94	3/4	4,486.40	3/4	4,140.35	3/4	3,777.79	3/4	3,402.43	3/4	3,025.28	3/4	2,647.28
5	5	5	5	5	5	5	4,809.24	5	4,479.36	5	4,132.97	5	3,770.07	5	3,394.59	5	3,017.41	5	2,639.41
1/4		1/4		1/4		1/4	4,802.55	1/4	4,472.32	1/4	4,125.59	1/4	3,762.34	1/4	3,386.75	1/4	3,009.53	1/4	2,631.53
1/2		1/2		1/2		1/2	4,795.83	1/2	4,465.26	1/2	4,118.18	1/2	3,754.59	1/2	3,378.91	1/2	3,001.66	1/2	2,623.66
3/4		3/4		3/4		3/4	4,789.11	3/4	4,458.19	3/4	4,110.77	3/4	3,746.84	3/4	3,371.07	3/4	2,993.78	3/4	2,615.78
6	6	6	6	6	6	6	4,782.39	6	4,451.13	6	4,103.36	6	3,739.08	6	3,363.23	6	2,985.91	6	2,607.91
1/4		1/4		1/4		1/4	4,775.66	1/4	4,444.06	1/4	4,095.95	1/4	3,731.33	1/4	3,355.39	1/4	2,978.03	1/4	2,600.03
1/2		1/2		1/2		1/2	4,768.91	1/2	4,436.97	1/2	4,088.51	1/2	3,723.55	1/2	3,347.55	1/2	2,970.16	1/2	2,592.16
3/4		3/4		3/4		3/4	4,762.16	3/4	4,429.87	3/4	4,081.07	3/4	3,715.77	3/4	3,339.71	3/4	2,962.28	3/4	2,584.28
7	7	7	7	7	7	7	4,755.41	7	4,422.78	7	4,073.64	7	3,707.99	7	3,331.87	7	2,954.41	7	2,576.41
1/4		1/4		1/4		1/4	4,748.66	1/4	4,415.68	1/4	4,066.20	1/4	3,700.21	1/4	3,324.03	1/4	2,946.53	1/4	2,568.53
1/2		1/2		1/2		1/2	4,741.88	1/2	4,408.56	1/2	4,058.73	1/2	3,692.39	1/2	3,316.19	1/2	2,938.66	1/2	2,560.66
3/4		3/4		3/4		3/4	4,735.10	3/4	4,401.43	3/4	4,051.26	3/4	3,684.58	3/4	3,308.35	3/4	2,930.78	3/4	2,552.78
8	8	8	8	8	8	8	4,728.32	8	4,394.31	8	4,043.80	8	3,676.77	8	3,300.51	8	2,922.91	8	2,544.91
1/4		1/4		1/4		1/4	4,721.54	1/4	4,387.19	1/4	4,036.33	1/4	3,668.96	1/4	3,292.67	1/4	2,915.03	1/4	2,537.03
1/2		1/2		1/2		1/2	4,714.73	1/2	4,380.03	1/2	4,028.83	1/2	3,661.13	1/2	3,284.83	1/2	2,907.16	1/2	2,529.16
3/4		3/4		3/4		3/4	4,707.92	3/4	4,372.88	3/4	4,021.34	3/4	3,653.30	3/4	3,276.99	3/4	2,899.28	3/4	2,521.28
9	9	9	9	9	9	9	4,701.11	9	4,365.73	9	4,013.84	9	3,645.46	9	3,269.15	9	2,891.41	9	2,513.41
1/4		1/4		1/4		1/4	4,694.29	1/4	4,358.58	1/4	4,006.34	1/4	3,637.63	1/4	3,261.31	1/4	2,883.53	1/4	2,505.53
1/2		1/2		1/2		1/2	4,687.46	1/2	4,351.39	1/2	3,998.82	1/2	3,629.79	1/2	3,253.47	1/2	2,875.66	1/2	2,497.66
3/4		3/4		3/4		3/4	4,680.62	3/4	4,344.21	3/4	3,991.29	3/4	3,621.95	3/4	3,245.63	3/4	2,867.78	3/4	2,489.78
10	10	10	10	10	10	10	4,673.78	10	4,337.03	10	3,983.77	10	3,614.11	10	3,237.79	10	2,859.91	10	2,481.91
1/4		1/4		1/4		1/4	4,666.94	1/4	4,329.85	1/4	3,976.24	1/4	3,606.27	1/4	3,229.95	1/4	2,852.03	1/4	2,474.03
1/2		1/2		1/2		1/2	4,660.07	1/2	4,322.63	1/2	3,968.69	1/2	3,598.43	1/2	3,222.09	1/2	2,844.16	1/2	2,466.16
3/4		3/4		3/4		3/4	4,653.20	3/4	4,315.42	3/4	3,961.13	3/4	3,590.59	3/4	3,214.24	3/4	2,836.28	3/4	2,458.28
11	11	11	11	11	11	11	4,646.34	11	4,308.21	11	3,953.58	11	3,582.75	11	3,206.39	11	2,828.41	11	2,450.41
1/4		1/4		1/4		1/4	4,639.47	1/4	4,301.00	1/4	3,946.02	1/4	3,574.91	1/4	3,198.53	1/4	2,820.53	1/4	2,442.53
1/2		1/2		1/2		1/2	4,632.57	1/2	4,293.76	1/2	3,938.44	1/2	3,567.07	1/2	3,190.66	1/2	2,812.66	1/2	2,434.66
3/4		3/4		3/4		3/4	4,958.22	3/4	4,625.68	3/4	4,286.52	3/4	3,930.86	3/4	3,559.23	3/4	3,182.78	3/4	2,426.78

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 51'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "KIRBY 29106"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,418.91	0	2,040.91	0	1,662.91	0	1,286.30	0	909.07	0	531.11	0	182.81	0		0		0	
1/4	2,411.03	1/4	2,033.03	1/4	1,655.03	1/4	1,278.47	1/4	901.20	1/4	523.25	1/4	176.18	1/4	1/4		1/4		1/4
1/2	2,403.16	1/2	2,025.16	1/2	1,647.16	1/2	1,270.65	1/2	893.32	1/2	515.43	1/2	169.66	1/2	1/2		1/2		1/2
3/4	2,395.28	3/4	2,017.28	3/4	1,639.28	3/4	1,262.82	3/4	885.45	3/4	507.62	3/4	163.15	3/4	3/4		3/4		3/4
1	2,387.41	1	2,009.41	1	1,631.41	1	1,255.00	1	877.58	1	499.80	1	156.63	1	1		1		1
1/4	2,379.53	1/4	2,001.53	1/4	1,623.53	1/4	1,247.17	1/4	869.70	1/4	491.98	1/4	150.11	1/4	1/4		1/4		1/4
1/2	2,371.66	1/2	1,993.66	1/2	1,615.66	1/2	1,239.35	1/2	861.83	1/2	484.26	1/2	143.71	1/2	1/2		1/2		1/2
3/4	2,363.78	3/4	1,985.78	3/4	1,607.78	3/4	1,231.52	3/4	853.95	3/4	476.53	3/4	137.30	3/4	3/4		3/4		3/4
2	2,355.91	2	1,977.91	2	1,599.91	2	1,223.70	2	846.08	2	468.81	2	130.90	2	2		2		2
1/4	2,348.03	1/4	1,970.03	1/4	1,592.03	1/4	1,215.87	1/4	838.20	1/4	461.09	1/4	124.50	1/4	1/4		1/4		1/4
1/2	2,340.16	1/2	1,962.16	1/2	1,584.16	1/2	1,208.04	1/2	830.33	1/2	453.47	1/2	118.22	1/2	1/2		1/2		1/2
3/4	2,332.28	3/4	1,954.28	3/4	1,576.28	3/4	1,200.22	3/4	822.45	3/4	445.86	3/4	111.94	3/4	3/4		3/4		3/4
3	2,324.41	3	1,946.41	3	1,568.41	3	1,192.39	3	814.58	3	438.24	3	105.65	3	3		3		3
1/4	2,316.53	1/4	1,938.53	1/4	1,560.53	1/4	1,184.57	1/4	806.70	1/4	430.63	1/4	99.37	1/4	1/4		1/4		1/4
1/2	2,308.66	1/2	1,930.66	1/2	1,552.67	1/2	1,176.72	1/2	798.83	1/2	423.12	1/2	93.22	1/2	1/2		1/2		1/2
3/4	2,300.78	3/4	1,922.78	3/4	1,544.81	3/4	1,168.88	3/4	790.95	3/4	415.62	3/4	87.07	3/4	3/4		3/4		3/4
4	2,292.91	4	1,914.91	4	1,536.94	4	1,161.04	4	783.08	4	408.11	4	80.91	4	4		4		4
1/4	2,285.03	1/4	1,907.03	1/4	1,529.08	1/4	1,153.19	1/4	775.20	1/4	400.60	1/4	74.76	1/4	1/4		1/4		1/4
1/2	2,277.16	1/2	1,899.16	1/2	1,521.23	1/2	1,145.32	1/2	767.33	1/2	393.21	1/2	68.75	1/2	1/2		1/2		1/2
3/4	2,269.28	3/4	1,891.28	3/4	1,513.39	3/4	1,137.44	3/4	759.45	3/4	385.81	3/4	62.74	3/4	3/4		3/4		3/4
5	2,261.41	5	1,883.41	5	1,505.54	5	1,129.57	5	751.58	5	378.42	5	56.73	5	5		5		5
1/4	2,253.53	1/4	1,875.53	1/4	1,497.70	1/4	1,121.69	1/4	743.70	1/4	371.02	1/4	50.72	1/4	1/4		1/4		1/4
1/2	2,245.66	1/2	1,867.66	1/2	1,489.86	1/2	1,113.82	1/2	735.83	1/2	363.73	1/2	45.30	1/2	1/2		1/2		1/2
3/4	2,237.78	3/4	1,859.78	3/4	1,482.02	3/4	1,105.94	3/4	727.95	3/4	356.45	3/4	39.88	3/4	3/4		3/4		3/4
6	2,229.91	6	1,851.91	6	1,474.17	6	1,098.07	6	720.08	6	349.16	6	34.47	6	6		6		6
1/4	2,222.03	1/4	1,844.03	1/4	1,466.33	1/4	1,090.19	1/4	712.20	1/4	341.87	1/4	29.05	1/4	1/4		1/4		1/4
1/2	2,214.16	1/2	1,836.16	1/2	1,458.50	1/2	1,082.32	1/2	704.33	1/2	334.70	1/2	25.08	1/2	1/2		1/2		1/2
3/4	2,206.28	3/4	1,828.28	3/4	1,450.67	3/4	1,074.45	3/4	696.45	3/4	327.52	3/4	21.12	3/4	3/4		3/4		3/4
7	2,198.41	7	1,820.41	7	1,442.84	7	1,066.57	7	688.58	7	320.34	7	17.15	7	7		7		7
1/4	2,190.53	1/4	1,812.53	1/4	1,435.00	1/4	1,058.70	1/4	680.71	1/4	313.16	1/4	13.19	1/4	1/4		1/4		1/4
1/2	2,182.66	1/2	1,804.66	1/2	1,427.17	1/2	1,050.82	1/2	672.83	1/2	306.10	1/2		1/2	1/2		1/2		1/2
3/4	2,174.78	3/4	1,796.78	3/4	1,419.34	3/4	1,042.95	3/4	664.96	3/4	299.03	3/4		3/4	3/4		3/4		3/4
8	2,166.91	8	1,788.91	8	1,411.51	8	1,035.07	8	657.08	8	291.96	8		8	8		8		8
1/4	2,159.03	1/4	1,781.03	1/4	1,403.68	1/4	1,027.20	1/4	649.21	1/4	284.89	1/4		1/4	1/4		1/4		1/4
1/2	2,151.16	1/2	1,773.16	1/2	1,395.86	1/2	1,019.32	1/2	641.33	1/2	277.93	1/2		1/2	1/2		1/2		1/2
3/4	2,143.28	3/4	1,765.28	3/4	1,388.03	3/4	1,011.45	3/4	633.46	3/4	270.98	3/4		3/4	3/4		3/4		3/4
9	2,135.41	9	1,757.41	9	1,380.21	9	1,003.57	9	625.58	9	264.02	9		9	9		9		9
1/4	2,127.53	1/4	1,749.53	1/4	1,372.38	1/4	995.70	1/4	617.71	1/4	257.06	1/4		1/4	1/4		1/4		1/4
1/2	2,119.66	1/2	1,741.66	1/2	1,364.56	1/2	987.82	1/2	609.83	1/2	250.21	1/2		1/2	1/2		1/2		1/2
3/4	2,111.78	3/4	1,733.78	3/4	1,356.73	3/4	979.95	3/4	601.96	3/4	243.36	3/4		3/4	3/4		3/4		3/4
10	2,103.91	10	1,725.91	10	1,348.90	10	972.07	10	594.08	10	236.51	10		10	10		10		10
1/4	2,096.03	1/4	1,718.03	1/4	1,341.08	1/4	964.20	1/4	586.21	1/4	229.66	1/4		1/4	1/4		1/4		1/4
1/2	2,088.16	1/2	1,710.16	1/2	1,333.25	1/2	956.32	1/2	578.33	1/2	222.92	1/2		1/2	1/2		1/2		1/2
3/4	2,080.28	3/4	1,702.28	3/4	1,325.43	3/4	948.45	3/4	570.46	3/4	216.18	3/4		3/4	3/4		3/4		3/4
11	2,072.41	11	1,694.41	11	1,317.60	11	940.57	11	562.58	11	209.44	11		11	11		11		11
1/4	2,064.53	1/4	1,686.53	1/4	1,309.78	1/4	932.70	1/4	554.71	1/4	202.70	1/4		1/4	1/4		1/4		1/4
1/2	2,056.66	1/2	1,678.66	1/2	1,301.95	1/2	924.82	1/2	546.84	1/2	196.07	1/2		1/2	1/2		1/2		1/2
3/4	2,048.78	3/4	1,670.78	3/4	1,294.13	3/4	916.95	3/4	538.98	3/4	189.44	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/21/2013 CL - SW
CALCULATED: 02/22/2013 CL
PRINTED: 02/22/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 29106"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN 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		0	4,634.35	0	4,295.54	0	3,940.22	0	3,568.85	0	3,192.44	0	2,814.44		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,960.00	1/4	4,627.46	1/4	4,288.30	1/4	3,932.63	1/4	3,561.01	1/4	3,184.56	1/4	2,806.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,954.62	1/2	4,620.57	1/2	4,281.06	1/2	3,925.05	1/2	3,553.17	1/2	3,176.69	1/2	2,798.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,949.24	3/4	4,613.67	3/4	4,273.81	3/4	3,917.47	3/4	3,545.33	3/4	3,168.81	3/4	2,790.81
1		1		1		1		1	4,942.56	1	4,606.75	1	4,266.55	1	3,909.85	1	3,537.49	1	3,160.94	1	2,782.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,935.88	1/4	4,599.83	1/4	4,259.28	1/4	3,902.24	1/4	3,529.65	1/4	3,153.06	1/4	2,775.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,929.21	1/2	4,592.91	1/2	4,252.02	1/2	3,894.63	1/2	3,521.81	1/2	3,145.19	1/2	2,767.19
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,922.53	3/4	4,585.99	3/4	4,244.75	3/4	3,887.01	3/4	3,513.97	3/4	3,137.31	3/4	2,759.31
2		2		2		2		2	4,914.92	2	4,579.04	2	4,237.46	2	3,879.37	2	3,506.13	2	3,129.44	2	2,751.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,907.31	1/4	4,572.09	1/4	4,230.17	1/4	3,871.74	1/4	3,498.29	1/4	3,121.56	1/4	2,743.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,899.70	1/2	4,565.14	1/2	4,222.87	1/2	3,864.10	1/2	3,490.45	1/2	3,113.69	1/2	2,735.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,892.09	3/4	4,558.19	3/4	4,215.58	3/4	3,856.46	3/4	3,482.61	3/4	3,105.81	3/4	2,727.81
3		3		3		3		3	4,884.25	3	4,551.21	3	4,208.26	3	3,848.80	3	3,474.77	3	3,097.94	3	2,719.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,876.41	1/4	4,544.24	1/4	4,200.94	1/4	3,841.13	1/4	3,466.93	1/4	3,090.06	1/4	2,712.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,868.57	1/2	4,537.26	1/2	4,193.61	1/2	3,833.46	1/2	3,459.09	1/2	3,082.19	1/2	2,704.19
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,860.73	3/4	4,530.28	3/4	4,186.29	3/4	3,825.80	3/4	3,451.25	3/4	3,074.31	3/4	2,696.31
4		4		4		4		4	4,853.32	4	4,523.27	4	4,178.94	4	3,818.10	4	3,443.41	4	3,066.44	4	2,688.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,845.92	1/4	4,516.26	1/4	4,171.59	1/4	3,810.41	1/4	3,435.57	1/4	3,058.56	1/4	2,680.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,838.51	1/2	4,509.25	1/2	4,164.24	1/2	3,802.71	1/2	3,427.73	1/2	3,050.69	1/2	2,672.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,831.10	3/4	4,502.25	3/4	4,156.89	3/4	3,795.02	3/4	3,419.89	3/4	3,042.81	3/4	2,664.81
5		5		5		5		5	4,824.41	5	4,495.21	5	4,149.51	5	3,787.29	5	3,412.05	5	3,034.94	5	2,656.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,817.71	1/4	4,488.17	1/4	4,142.13	1/4	3,779.57	1/4	3,404.21	1/4	3,027.06	1/4	2,649.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,811.02	1/2	4,481.14	1/2	4,134.74	1/2	3,771.85	1/2	3,396.37	1/2	3,019.19	1/2	2,641.19
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,804.33	3/4	4,474.10	3/4	4,127.36	3/4	3,764.12	3/4	3,388.53	3/4	3,011.31	3/4	2,633.31
6		6		6		6		6	4,797.61	6	4,467.04	6	4,119.96	6	3,756.37	6	3,380.69	6	3,003.44	6	2,625.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,790.88	1/4	4,459.97	1/4	4,112.55	1/4	3,748.62	1/4	3,372.85	1/4	2,995.56	1/4	2,617.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,784.16	1/2	4,452.90	1/2	4,105.14	1/2	3,740.86	1/2	3,365.01	1/2	2,987.69	1/2	2,609.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,777.44	3/4	4,445.84	3/4	4,097.73	3/4	3,733.11	3/4	3,357.17	3/4	2,979.81	3/4	2,601.81
7		7		7		7		7	4,770.69	7	4,438.74	7	4,090.29	7	3,725.33	7	3,349.33	7	2,971.94	7	2,593.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,763.94	1/4	4,431.65	1/4	4,082.85	1/4	3,717.55	1/4	3,341.49	1/4	2,964.06	1/4	2,586.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,757.19	1/2	4,424.55	1/2	4,075.41	1/2	3,709.76	1/2	3,333.65	1/2	2,956.19	1/2	2,578.19
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,750.43	3/4	4,417.46	3/4	4,067.97	3/4	3,701.98	3/4	3,325.81	3/4	2,948.31	3/4	2,570.31
8		8		8		8		8	4,743.65	8	4,410.34	8	4,060.51	8	3,694.17	8	3,317.97	8	2,940.44	8	2,562.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,736.87	1/4	4,403.21	1/4	4,053.04	1/4	3,686.36	1/4	3,310.12	1/4	2,932.56	1/4	2,554.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,730.09	1/2	4,396.09	1/2	4,045.57	1/2	3,678.55	1/2	3,302.28	1/2	2,924.69	1/2	2,546.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,723.31	3/4	4,388.96	3/4	4,038.11	3/4	3,670.74	3/4	3,294.44	3/4	2,916.81	3/4	2,538.81
9		9		9		9		9	4,716.50	9	4,381.81	9	4,030.61	9	3,662.91	9	3,286.60	9	2,908.94	9	2,530.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,709.69	1/4	4,374.66	1/4	4,023.11	1/4	3,655.07	1/4	3,278.76	1/4	2,901.06	1/4	2,523.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,702.88	1/2	4,367.51	1/2	4,015.62	1/2	3,647.24	1/2	3,270.92	1/2	2,893.19	1/2	2,515.19
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,696.07	3/4	4,360.35	3/4	4,008.12	3/4	3,639.41	3/4	3,263.08	3/4	2,885.31	3/4	2,507.31
10		10		10		10		10	4,689.23	10	4,353.17	10	4,000.60	10	3,631.57	10	3,255.24	10	2,877.44	10	2,499.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,682.40	1/4	4,345.99	1/4	3,993.07	1/4	3,623.73	1/4	3,247.40	1/4	2,869.56	1/4	2,491.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,675.56	1/2	4,338.80	1/2	3,985.54	1/2	3,615.89	1/2	3,239.56	1/2	2,861.69	1/2	2,483.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,668.72	3/4	4,331.62	3/4	3,978.02	3/4	3,608.05	3/4	3,231.72	3/4	2,853.81	3/4	2,475.81
11		11		11		11		11	4,661.85	11	4,324.41	11	3,970.46	11	3,600.21	11	3,223.87	11	2,845.94	11	2,467.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,654.98	1/4	4,317.20	1/4	3,962.91	1/4	3,592.37	1/4	3,216.02	1/4	2,838.06	1/4	2,460.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,648.11	1/2	4,309.99	1/2	3,955.35	1/2	3,584.53	1/2	3,208.16	1/2	2,830.19	1/2	2,452.19
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,641.24	3/4	4,302.78	3/4	3,947.80	3/4	3,576.69	3/4	3,200.31	3/4	2,822.31	3/4	2,444.31

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 51'-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 29106"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN 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	2,436.44	0	2,058.44	0	1,680.44	0	1,302.44	0	924.71	0	546.84	0	196.07	0		0		0	
1/4	2,428.56	1/4	2,050.56	1/4	1,672.56	1/4	1,294.56	1/4	916.85	1/4	538.98	1/4	189.44	1/4	1/4	1/4		1/4	1/4
1/2	2,420.69	1/2	2,042.69	1/2	1,664.69	1/2	1,286.69	1/2	908.98	1/2	531.11	1/2	182.81	1/2	1/2	1/2		1/2	1/2
3/4	2,412.81	3/4	2,034.81	3/4	1,656.81	3/4	1,278.81	3/4	901.12	3/4	523.25	3/4	176.18	3/4	3/4	3/4		3/4	3/4
1	2,404.94	1	2,026.94	1	1,648.94	1	1,270.94	1	893.26	1	515.43	1	169.66	1	1	1		1	1
1/4	2,397.06	1/4	2,019.06	1/4	1,641.06	1/4	1,263.06	1/4	885.40	1/4	507.62	1/4	163.15	1/4	1/4	1/4		1/4	1/4
1/2	2,389.19	1/2	2,011.19	1/2	1,633.19	1/2	1,255.19	1/2	877.53	1/2	499.80	1/2	156.63	1/2	1/2	1/2		1/2	1/2
3/4	2,381.31	3/4	2,003.31	3/4	1,625.31	3/4	1,247.31	3/4	869.67	3/4	491.98	3/4	150.11	3/4	3/4	3/4		3/4	3/4
2	2,373.44	2	1,995.44	2	1,617.44	2	1,239.44	2	861.80	2	484.26	2	143.71	2	2	2		2	2
1/4	2,365.56	1/4	1,987.56	1/4	1,609.56	1/4	1,231.56	1/4	853.94	1/4	476.53	1/4	137.30	1/4	1/4	1/4		1/4	1/4
1/2	2,357.69	1/2	1,979.69	1/2	1,601.69	1/2	1,223.69	1/2	846.07	1/2	468.81	1/2	130.90	1/2	1/2	1/2		1/2	1/2
3/4	2,349.81	3/4	1,971.81	3/4	1,593.81	3/4	1,215.81	3/4	838.20	3/4	461.09	3/4	124.50	3/4	3/4	3/4		3/4	3/4
3	2,341.94	3	1,963.94	3	1,585.94	3	1,207.94	3	830.33	3	453.47	3	118.22	3	3	3		3	3
1/4	2,334.06	1/4	1,956.06	1/4	1,578.06	1/4	1,200.06	1/4	822.45	1/4	445.86	1/4	111.94	1/4	1/4	1/4		1/4	1/4
1/2	2,326.19	1/2	1,948.19	1/2	1,570.19	1/2	1,192.19	1/2	814.58	1/2	438.24	1/2	105.65	1/2	1/2	1/2		1/2	1/2
3/4	2,318.31	3/4	1,940.31	3/4	1,562.31	3/4	1,184.31	3/4	806.70	3/4	430.63	3/4	99.37	3/4	3/4	3/4		3/4	3/4
4	2,310.44	4	1,932.44	4	1,554.44	4	1,176.44	4	798.83	4	423.12	4	93.22	4	4	4		4	4
1/4	2,302.56	1/4	1,924.56	1/4	1,546.56	1/4	1,168.56	1/4	790.95	1/4	415.62	1/4	87.07	1/4	1/4	1/4		1/4	1/4
1/2	2,294.69	1/2	1,916.69	1/2	1,538.69	1/2	1,160.69	1/2	783.08	1/2	408.11	1/2	80.91	1/2	1/2	1/2		1/2	1/2
3/4	2,286.81	3/4	1,908.81	3/4	1,530.81	3/4	1,152.81	3/4	775.20	3/4	400.60	3/4	74.76	3/4	3/4	3/4		3/4	3/4
5	2,278.94	5	1,900.94	5	1,522.94	5	1,144.94	5	767.33	5	393.21	5	68.75	5	5	5		5	5
1/4	2,271.06	1/4	1,893.06	1/4	1,515.06	1/4	1,137.06	1/4	759.45	1/4	385.81	1/4	62.74	1/4	1/4	1/4		1/4	1/4
1/2	2,263.19	1/2	1,885.19	1/2	1,507.19	1/2	1,129.19	1/2	751.58	1/2	378.42	1/2	56.73	1/2	1/2	1/2		1/2	1/2
3/4	2,255.31	3/4	1,877.31	3/4	1,499.31	3/4	1,121.31	3/4	743.70	3/4	371.02	3/4	50.72	3/4	3/4	3/4		3/4	3/4
6	2,247.44	6	1,869.44	6	1,491.44	6	1,113.44	6	735.83	6	363.73	6	45.30	6	6	6		6	6
1/4	2,239.56	1/4	1,861.56	1/4	1,483.56	1/4	1,105.57	1/4	727.95	1/4	356.45	1/4	39.88	1/4	1/4	1/4		1/4	1/4
1/2	2,231.69	1/2	1,853.69	1/2	1,475.69	1/2	1,097.70	1/2	720.08	1/2	349.16	1/2	34.47	1/2	1/2	1/2		1/2	1/2
3/4	2,223.81	3/4	1,845.81	3/4	1,467.81	3/4	1,089.83	3/4	712.20	3/4	341.87	3/4	29.05	3/4	3/4	3/4		3/4	3/4
7	2,215.94	7	1,837.94	7	1,459.94	7	1,081.97	7	704.33	7	334.70	7	25.08	7	7	7		7	7
1/4	2,208.06	1/4	1,830.06	1/4	1,452.06	1/4	1,074.10	1/4	696.45	1/4	327.52	1/4	21.12	1/4	1/4	1/4		1/4	1/4
1/2	2,200.19	1/2	1,822.19	1/2	1,444.19	1/2	1,066.24	1/2	688.58	1/2	320.34	1/2	17.15	1/2	1/2	1/2		1/2	1/2
3/4	2,192.31	3/4	1,814.31	3/4	1,436.31	3/4	1,058.38	3/4	680.71	3/4	313.16	3/4	13.19	3/4	3/4	3/4		3/4	3/4
8	2,184.44	8	1,806.44	8	1,428.44	8	1,050.52	8	672.83	8	306.10	8		8	8	8		8	8
1/4	2,176.56	1/4	1,798.56	1/4	1,420.56	1/4	1,042.65	1/4	664.96	1/4	299.03	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,168.69	1/2	1,790.69	1/2	1,412.69	1/2	1,034.79	1/2	657.08	1/2	291.96	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,160.81	3/4	1,782.81	3/4	1,404.81	3/4	1,026.93	3/4	649.21	3/4	284.89	3/4		3/4	3/4	3/4		3/4	3/4
9	2,152.94	9	1,774.94	9	1,396.94	9	1,019.06	9	641.33	9	277.93	9		9	9	9		9	9
1/4	2,145.06	1/4	1,767.06	1/4	1,389.06	1/4	1,011.20	1/4	633.46	1/4	270.98	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,137.19	1/2	1,759.19	1/2	1,381.19	1/2	1,003.34	1/2	625.58	1/2	264.02	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,129.31	3/4	1,751.31	3/4	1,373.31	3/4	995.48	3/4	617.71	3/4	257.06	3/4		3/4	3/4	3/4		3/4	3/4
10	2,121.44	10	1,743.44	10	1,365.44	10	987.61	10	609.83	10	250.21	10		10	10	10		10	10
1/4	2,113.56	1/4	1,735.56	1/4	1,357.56	1/4	979.75	1/4	601.96	1/4	243.36	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,105.69	1/2	1,727.69	1/2	1,349.69	1/2	971.89	1/2	594.08	1/2	236.51	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,097.81	3/4	1,719.81	3/4	1,341.81	3/4	964.02	3/4	586.21	3/4	229.66	3/4		3/4	3/4	3/4		3/4	3/4
11	2,089.94	11	1,711.94	11	1,333.94	11	956.16	11	578.33	11	222.92	11		11	11	11		11	11
1/4	2,082.06	1/4	1,704.06	1/4	1,326.06	1/4	948.30	1/4	570.46	1/4	216.18	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,074.19	1/2	1,696.19	1/2	1,318.19	1/2	940.44	1/2	562.58	1/2	209.44	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,066.31	3/4	1,688.31	3/4	1,310.31	3/4	932.57	3/4	554.71	3/4	202.70	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/21/2013 CL - SW
CALCULATED: 02/22/2013 CL
PRINTED: 02/22/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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



BARGE "KIRBY 29106"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN 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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4		1/4		1/4	4,757.62	1/4	4,437.53	1/4	4,113.31	1/4	3,773.96	1/4	3,420.14	1/4	3,062.28	1/4	2,703.07		
1/2		1/2		1/2		1/2	4,751.28	1/2	4,430.93	1/2	4,106.39	1/2	3,766.72	1/2	3,412.69	1/2	3,054.79	1/2	2,695.58		
3/4		3/4		3/4		3/4	4,744.93	3/4	4,424.32	3/4	4,099.46	3/4	3,759.48	3/4	3,405.23	3/4	3,047.31	3/4	2,688.10		
1	1	1	1	1	1	1	4,738.59	1	4,417.71	1	4,092.54	1	3,752.23	1	3,397.78	1	3,039.83	1	2,680.61		
1/4		1/4		1/4		1/4	4,732.24	1/4	4,411.10	1/4	4,085.61	1/4	3,744.99	1/4	3,390.33	1/4	3,032.34	1/4	2,673.13		
1/2		1/2		1/2		1/2	4,725.01	1/2	4,404.47	1/2	4,078.66	1/2	3,737.72	1/2	3,382.88	1/2	3,024.86	1/2	2,665.65		
3/4		3/4		3/4		3/4	4,717.78	3/4	4,397.83	3/4	4,071.71	3/4	3,730.46	3/4	3,375.43	3/4	3,017.38	3/4	2,658.16		
2	2	2	2	2	2	2	4,710.55	2	4,391.20	2	4,064.76	2	3,723.19	2	3,367.98	2	3,009.89	2	2,650.68		
1/4		1/4		1/4		1/4	4,703.32	1/4	4,384.56	1/4	4,057.81	1/4	3,715.92	1/4	3,360.52	1/4	3,002.41	1/4	2,643.20		
1/2		1/2		1/2		1/2	4,695.87	1/2	4,377.90	1/2	4,050.84	1/2	3,708.63	1/2	3,353.07	1/2	2,994.93	1/2	2,635.71		
3/4		3/4		3/4		3/4	4,688.41	3/4	4,371.24	3/4	4,043.86	3/4	3,701.34	3/4	3,345.62	3/4	2,987.44	3/4	2,628.23		
3	3	3	3	3	3	3	4,680.96	3	4,364.58	3	4,036.88	3	3,694.05	3	3,338.17	3	2,979.96	3	2,620.75		
1/4		1/4		1/4		1/4	4,673.51	1/4	4,357.92	1/4	4,029.91	1/4	3,686.76	1/4	3,330.72	1/4	2,972.47	1/4	2,613.26		
1/2		1/2		1/2		1/2	4,666.46	1/2	4,351.23	1/2	4,022.90	1/2	3,679.44	1/2	3,323.27	1/2	2,964.99	1/2	2,605.78		
3/4		3/4		3/4		3/4	4,659.40	3/4	4,344.54	3/4	4,015.90	3/4	3,672.12	3/4	3,315.82	3/4	2,957.51	3/4	2,598.29		
4	4	4	4	4	4	4	4,652.35	4	4,337.85	4	4,008.90	4	3,664.80	4	3,308.36	4	2,950.02	4	2,590.81		
1/4		1/4		1/4		1/4	4,645.30	1/4	4,331.16	1/4	4,001.89	1/4	3,657.48	1/4	3,300.91	1/4	2,942.54	1/4	2,583.33		
1/2		1/2		1/2		1/2	4,638.90	1/2	4,324.45	1/2	3,994.86	1/2	3,650.14	1/2	3,293.46	1/2	2,935.06	1/2	2,575.84		
3/4		3/4		3/4		3/4	4,632.50	3/4	4,317.74	3/4	3,987.83	3/4	3,642.79	3/4	3,286.01	3/4	2,927.57	3/4	2,568.36		
5	5	5	5	5	5	5	4,626.10	5	4,311.02	5	3,980.80	5	3,635.45	5	3,278.56	5	2,920.09	5	2,560.88		
1/4		1/4		1/4		1/4	4,619.70	1/4	4,304.31	1/4	3,973.77	1/4	3,628.10	1/4	3,271.11	1/4	2,912.61	1/4	2,553.39		
1/2		1/2		1/2		1/2	4,613.27	1/2	4,297.57	1/2	3,966.72	1/2	3,620.73	1/2	3,263.66	1/2	2,905.12	1/2	2,545.91		
3/4		3/4		3/4		3/4	4,606.85	3/4	4,290.82	3/4	3,959.66	3/4	3,613.36	3/4	3,256.20	3/4	2,897.64	3/4	2,538.43		
6	6	6	6	6	6	6	4,600.42	6	4,284.08	6	3,952.61	6	3,605.99	6	3,248.75	6	2,890.16	6	2,530.94		
1/4		1/4		1/4		1/4	4,593.99	1/4	4,277.34	1/4	3,945.55	1/4	3,598.62	1/4	3,241.30	1/4	2,882.67	1/4	2,523.46		
1/2		1/2		1/2		1/2	4,587.54	1/2	4,270.57	1/2	3,938.47	1/2	3,591.22	1/2	3,233.85	1/2	2,875.19	1/2	2,515.98		
3/4		3/4		3/4		3/4	4,581.09	3/4	4,263.81	3/4	3,931.39	3/4	3,583.82	3/4	3,226.40	3/4	2,867.70	3/4	2,508.49		
7	7	7	7	7	7	7	4,574.63	7	4,257.04	7	3,924.30	7	3,576.43	7	3,218.95	7	2,860.22	7	2,501.01		
1/4		1/4		1/4		1/4	4,568.18	1/4	4,250.27	1/4	3,917.22	1/4	3,569.03	1/4	3,211.49	1/4	2,852.74	1/4	2,493.52		
1/2		1/2		1/2		1/2	4,561.70	1/2	4,243.48	1/2	3,910.11	1/2	3,561.60	1/2	3,204.04	1/2	2,845.25	1/2	2,486.04		
3/4		3/4		3/4		3/4	4,555.22	3/4	4,236.68	3/4	3,903.00	3/4	3,554.18	3/4	3,196.59	3/4	2,837.77	3/4	2,478.56		
8	8	8	8	8	8	8	4,548.74	8	4,229.89	8	3,895.89	8	3,546.75	8	3,189.14	8	2,830.29	8	2,471.07		
1/4		1/4		1/4		1/4	4,542.26	1/4	4,223.09	1/4	3,888.78	1/4	3,539.33	1/4	3,181.69	1/4	2,822.80	1/4	2,463.59		
1/2		1/2		1/2		1/2	4,535.76	1/2	4,216.27	1/2	3,881.65	1/2	3,531.88	1/2	3,174.24	1/2	2,815.32	1/2	2,456.11		
3/4		3/4		3/4		3/4	4,529.25	3/4	4,209.45	3/4	3,874.51	3/4	3,524.44	3/4	3,166.79	3/4	2,807.84	3/4	2,448.62		
9	9	9	9	9	9	9	4,522.74	9	4,202.63	9	3,867.37	9	3,517.00	9	3,159.33	9	2,800.35	9	2,441.14		
1/4		1/4		1/4		1/4	4,516.24	1/4	4,195.81	1/4	3,860.24	1/4	3,509.55	1/4	3,151.88	1/4	2,792.87	1/4	2,433.66		
1/2		1/2		1/2		1/2	4,509.70	1/2	4,188.96	1/2	3,853.07	1/2	3,502.10	1/2	3,144.43	1/2	2,785.38	1/2	2,426.17		
3/4		3/4		3/4		3/4	4,503.17	3/4	4,182.11	3/4	3,845.91	3/4	3,494.65	3/4	3,136.98	3/4	2,777.90	3/4	2,418.69		
10	10	10	10	10	10	10	4,496.64	10	4,175.26	10	3,838.75	10	3,487.20	10	3,129.53	10	2,770.42	10	2,411.20		
1/4		1/4		1/4		1/4	4,490.11	1/4	4,168.41	1/4	3,831.59	1/4	3,479.75	1/4	3,122.08	1/4	2,762.93	1/4	2,403.72		
1/2		1/2		1/2		1/2	4,483.54	1/2	4,161.54	1/2	3,824.40	1/2	3,472.30	1/2	3,114.61	1/2	2,755.45	1/2	2,396.24		
3/4		3/4		3/4		3/4	4,476.98	3/4	4,154.67	3/4	3,817.21	3/4	3,464.85	3/4	3,107.14	3/4	2,747.97	3/4	2,388.75		
11	11	11	11	11	11	11	4,470.42	11	4,147.79	11	3,810.02	11	3,457.39	11	3,099.68	11	2,740.48	11	2,381.27		
1/4		1/4		1/4		1/4	4,463.86	1/4	4,140.92	1/4	3,802.83	1/4	3,449.94	1/4	3,092.21	1/4	2,733.00	1/4	2,373.79		
1/2		1/2		1/2		1/2	4,457.28	1/2	4,134.02	1/2	3,795.61	1/2	3,442.49	1/2	3,084.73	1/2	2,725.52	1/2	2,366.30		
3/4		3/4		3/4		3/4	4,450.70	3/4	4,127.11	3/4	3,788.39	3/4	3,435.04	3/4	3,077.25	3/4	2,718.03	3/4	2,358.82		

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 51'-09" 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 29106"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,351.34	0	1,992.12	0	1,632.91	0	1,282.89	0	937.93	0	579.79	0	220.59	0		0		0	
1/4	2,343.85	1/4	1,984.64	1/4	1,625.43	1/4	1,275.69	1/4	930.75	1/4	572.30	1/4	213.10	1/4	1/4	1/4		1/4	
1/2	2,336.37	1/2	1,977.16	1/2	1,617.94	1/2	1,268.49	1/2	923.46	1/2	564.82	1/2	205.62	1/2	1/2	1/2		1/2	
3/4	2,328.89	3/4	1,969.67	3/4	1,610.46	3/4	1,261.29	3/4	916.16	3/4	557.34	3/4	198.14	3/4	3/4	3/4		3/4	
1	2,321.40	1	1,962.19	1	1,602.98	1	1,254.09	1	908.87	1	549.85	1	190.66	1	1	1		1	
1/4	2,313.92	1/4	1,954.71	1/4	1,595.49	1/4	1,246.89	1/4	901.57	1/4	542.37	1/4	183.18	1/4	1/4	1/4		1/4	
1/2	2,306.43	1/2	1,947.22	1/2	1,588.01	1/2	1,239.69	1/2	894.09	1/2	534.89	1/2	175.70	1/2	1/2	1/2		1/2	
3/4	2,298.95	3/4	1,939.74	3/4	1,580.53	3/4	1,232.49	3/4	886.61	3/4	527.40	3/4	168.23	3/4	3/4	3/4		3/4	
2	2,291.47	2	1,932.25	2	1,573.04	2	1,225.29	2	879.12	2	519.92	2	160.75	2	2	2		2	
1/4	2,283.98	1/4	1,924.77	1/4	1,565.56	1/4	1,218.09	1/4	871.64	1/4	512.44	1/4	153.28	1/4	1/4	1/4		1/4	
1/2	2,276.50	1/2	1,917.29	1/2	1,558.07	1/2	1,210.89	1/2	864.16	1/2	504.95	1/2	145.81	1/2	1/2	1/2		1/2	
3/4	2,269.02	3/4	1,909.80	3/4	1,550.59	3/4	1,203.70	3/4	856.67	3/4	497.47	3/4	138.35	3/4	3/4	3/4		3/4	
3	2,261.53	3	1,902.32	3	1,543.11	3	1,196.50	3	849.19	3	489.99	3	130.89	3	3	3		3	
1/4	2,254.05	1/4	1,894.84	1/4	1,535.62	1/4	1,189.31	1/4	841.71	1/4	482.50	1/4	123.42	1/4	1/4	1/4		1/4	
1/2	2,246.57	1/2	1,887.35	1/2	1,528.25	1/2	1,182.12	1/2	834.22	1/2	475.02	1/2	115.98	1/2	1/2	1/2		1/2	
3/4	2,239.08	3/4	1,879.87	3/4	1,520.87	3/4	1,174.93	3/4	826.74	3/4	467.54	3/4	108.53	3/4	3/4	3/4		3/4	
4	2,231.60	4	1,872.39	4	1,513.49	4	1,167.74	4	819.26	4	460.05	4	101.09	4	4	4		4	
1/4	2,224.11	1/4	1,864.90	1/4	1,506.11	1/4	1,160.55	1/4	811.77	1/4	452.57	1/4	93.64	1/4	1/4	1/4		1/4	
1/2	2,216.63	1/2	1,857.42	1/2	1,498.91	1/2	1,153.37	1/2	804.29	1/2	445.09	1/2	86.23	1/2	1/2	1/2		1/2	
3/4	2,209.15	3/4	1,849.93	3/4	1,491.71	3/4	1,146.18	3/4	796.81	3/4	437.60	3/4	78.81	3/4	3/4	3/4		3/4	
5	2,201.66	5	1,842.45	5	1,484.51	5	1,139.00	5	789.32	5	430.12	5	71.40	5	5	5		5	
1/4	2,194.18	1/4	1,834.97	1/4	1,477.31	1/4	1,131.81	1/4	781.84	1/4	422.64	1/4	63.98	1/4	1/4	1/4		1/4	
1/2	2,186.70	1/2	1,827.48	1/2	1,470.11	1/2	1,124.63	1/2	774.36	1/2	415.15	1/2	57.03	1/2	1/2	1/2		1/2	
3/4	2,179.21	3/4	1,820.00	3/4	1,462.91	3/4	1,117.45	3/4	766.87	3/4	407.67	3/4	50.07	3/4	3/4	3/4		3/4	
6	2,171.73	6	1,812.52	6	1,455.71	6	1,110.27	6	759.39	6	400.19	6	43.12	6	6	6		6	
1/4	2,164.25	1/4	1,805.03	1/4	1,448.51	1/4	1,103.09	1/4	751.91	1/4	392.70	1/4	36.16	1/4	1/4	1/4		1/4	
1/2	2,156.76	1/2	1,797.55	1/2	1,441.31	1/2	1,095.91	1/2	744.42	1/2	385.22	1/2	30.86	1/2	1/2	1/2		1/2	
3/4	2,149.28	3/4	1,790.07	3/4	1,434.11	3/4	1,088.73	3/4	736.94	3/4	377.74	3/4	25.57	3/4	3/4	3/4		3/4	
7	2,141.80	7	1,782.58	7	1,426.91	7	1,081.55	7	729.46	7	370.25	7	20.27	7	7	7		7	
1/4	2,134.31	1/4	1,775.10	1/4	1,419.71	1/4	1,074.37	1/4	721.97	1/4	362.77	1/4	14.97	1/4	1/4	1/4		1/4	
1/2	2,126.83	1/2	1,767.62	1/2	1,412.51	1/2	1,067.19	1/2	714.49	1/2	355.29	1/2		1/2	1/2	1/2		1/2	
3/4	2,119.34	3/4	1,760.13	3/4	1,405.31	3/4	1,060.01	3/4	707.01	3/4	347.80	3/4		3/4	3/4	3/4		3/4	
8	2,111.86	8	1,752.65	8	1,398.10	8	1,052.83	8	699.52	8	340.32	8		8	8	8		8	
1/4	2,104.38	1/4	1,745.16	1/4	1,390.90	1/4	1,045.64	1/4	692.04	1/4	332.84	1/4		1/4	1/4	1/4		1/4	
1/2	2,096.89	1/2	1,737.68	1/2	1,383.70	1/2	1,038.46	1/2	684.56	1/2	325.35	1/2		1/2	1/2	1/2		1/2	
3/4	2,089.41	3/4	1,730.20	3/4	1,376.50	3/4	1,031.28	3/4	677.07	3/4	317.87	3/4		3/4	3/4	3/4		3/4	
9	2,081.93	9	1,722.71	9	1,369.30	9	1,024.10	9	669.59	9	310.39	9		9	9	9		9	
1/4	2,074.44	1/4	1,715.23	1/4	1,362.10	1/4	1,016.92	1/4	662.11	1/4	302.90	1/4		1/4	1/4	1/4		1/4	
1/2	2,066.96	1/2	1,707.75	1/2	1,354.90	1/2	1,009.74	1/2	654.62	1/2	295.42	1/2		1/2	1/2	1/2		1/2	
3/4	2,059.48	3/4	1,700.26	3/4	1,347.70	3/4	1,002.56	3/4	647.14	3/4	287.94	3/4		3/4	3/4	3/4		3/4	
10	2,051.99	10	1,692.78	10	1,340.50	10	995.38	10	639.65	10	280.45	10		10	10	10		10	
1/4	2,044.51	1/4	1,685.30	1/4	1,333.30	1/4	988.20	1/4	632.17	1/4	272.97	1/4		1/4	1/4	1/4		1/4	
1/2	2,037.02	1/2	1,677.81	1/2	1,326.10	1/2	981.02	1/2	624.69	1/2	265.48	1/2		1/2	1/2	1/2		1/2	
3/4	2,029.54	3/4	1,670.33	3/4	1,318.90	3/4	973.84	3/4	617.20	3/4	258.00	3/4		3/4	3/4	3/4		3/4	
11	2,022.06	11	1,662.84	11	1,311.70	11	966.66	11	609.72	11	250.52	11		11	11	11		11	
1/4	2,014.57	1/4	1,655.36	1/4	1,304.50	1/4	959.48	1/4	602.24	1/4	243.03	1/4		1/4	1/4	1/4		1/4	
1/2	2,007.09	1/2	1,647.88	1/2	1,297.30	1/2	952.30	1/2	594.75	1/2	235.55	1/2		1/2	1/2	1/2		1/2	
3/4	1,999.61	3/4	1,640.39	3/4	1,290.10	3/4	945.11	3/4	587.27	3/4	228.07	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/21/2013 CL - SW
CALCULATED: 02/22/2013 CL
PRINTED: 02/22/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 29106"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	4,788.50	0	4,471.58	0	4,148.23	0	3,809.76	0	3,456.66	0	3,099.15	0	2,740.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,783.39	1/4	4,465.00	1/4	4,141.33	1/4	3,802.55	1/4	3,449.21	1/4	3,091.67	1/4	2,732.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,778.28	1/2	4,458.43	1/2	4,134.44	1/2	3,795.33	1/2	3,441.77	1/2	3,084.20	1/2	2,725.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,771.94	3/4	4,451.82	3/4	4,127.52	3/4	3,788.10	3/4	3,434.32	3/4	3,076.72	3/4	2,717.76
1		1		1		1	4,445.60	1	4,120.60	1	4,120.60	1	3,780.86	1	3,426.87	1	3,069.24	1	2,710.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,759.26	1/4	4,438.62	1/4	4,113.68	1/4	3,773.62	1/4	3,419.43	1/4	3,061.76	1/4	2,702.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,752.92	1/2	4,432.01	1/2	4,106.76	1/2	3,766.38	1/2	3,411.98	1/2	3,054.28	1/2	2,695.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,745.69	3/4	4,425.38	3/4	4,099.81	3/4	3,759.12	3/4	3,404.54	3/4	3,046.80	3/4	2,687.85
2		2		2		2	4,738.47	2	4,418.75	2	4,092.87	2	3,751.86	2	3,397.09	2	3,039.33	2	2,680.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,731.24	1/4	4,412.12	1/4	4,085.93	1/4	3,744.60	1/4	3,389.64	1/4	3,031.85	1/4	2,672.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,724.02	1/2	4,405.49	1/2	4,078.98	1/2	3,737.34	1/2	3,382.20	1/2	3,024.37	1/2	2,665.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,716.57	3/4	4,398.83	3/4	4,072.01	3/4	3,730.05	3/4	3,374.75	3/4	3,016.89	3/4	2,657.93
3		3		3		3	4,709.12	3	4,392.18	3	4,065.04	3	3,722.77	3	3,367.30	3	3,009.41	3	2,650.45
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,701.68	1/4	4,385.52	1/4	4,058.06	1/4	3,715.48	1/4	3,359.86	1/4	3,001.93	1/4	2,642.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,694.23	1/2	4,378.87	1/2	4,051.09	1/2	3,708.19	1/2	3,352.41	1/2	2,994.46	1/2	2,635.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,687.18	3/4	4,372.18	3/4	4,044.09	3/4	3,700.88	3/4	3,344.97	3/4	2,986.98	3/4	2,628.02
4		4		4		4	4,680.13	4	4,365.50	4	4,037.10	4	3,693.57	4	3,337.52	4	2,979.50	4	2,620.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,673.09	1/4	4,358.82	1/4	4,030.10	1/4	3,686.25	1/4	3,330.07	1/4	2,972.02	1/4	2,613.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,666.04	1/2	4,352.13	1/2	4,023.10	1/2	3,678.94	1/2	3,322.63	1/2	2,964.54	1/2	2,605.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,659.64	3/4	4,345.42	3/4	4,016.08	3/4	3,671.60	3/4	3,315.18	3/4	2,957.06	3/4	2,598.11
5		5		5		5	4,653.25	5	4,338.71	5	4,009.05	5	3,664.26	5	3,307.74	5	2,949.59	5	2,590.63
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,646.85	1/4	4,332.00	1/4	4,002.03	1/4	3,656.92	1/4	3,300.29	1/4	2,942.11	1/4	2,583.15
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,640.46	1/2	4,325.29	1/2	3,995.00	1/2	3,649.58	1/2	3,292.84	1/2	2,934.63	1/2	2,575.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,634.03	3/4	4,318.56	3/4	3,987.95	3/4	3,642.22	3/4	3,285.40	3/4	2,927.15	3/4	2,568.19
6		6		6		6	4,627.61	6	4,311.82	6	3,980.90	6	3,634.85	6	3,277.95	6	2,919.67	6	2,560.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,621.19	1/4	4,305.09	1/4	3,973.85	1/4	3,627.48	1/4	3,270.51	1/4	2,912.19	1/4	2,553.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,614.77	1/2	4,298.35	1/2	3,966.80	1/2	3,620.12	1/2	3,263.06	1/2	2,904.72	1/2	2,545.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,608.32	3/4	4,291.59	3/4	3,959.72	3/4	3,612.72	3/4	3,255.61	3/4	2,897.24	3/4	2,538.28
7		7		7		7	4,601.87	7	4,284.82	7	3,952.64	7	3,605.33	7	3,248.17	7	2,889.76	7	2,530.80
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,595.43	1/4	4,278.06	1/4	3,945.57	1/4	3,597.94	1/4	3,240.72	1/4	2,882.28	1/4	2,523.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,588.98	1/2	4,271.30	1/2	3,938.49	1/2	3,590.55	1/2	3,233.27	1/2	2,874.80	1/2	2,515.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,582.50	3/4	4,264.51	3/4	3,931.38	3/4	3,583.13	3/4	3,225.83	3/4	2,867.32	3/4	2,508.37
8		8		8		8	4,576.03	8	4,257.72	8	3,924.28	8	3,575.71	8	3,218.38	8	2,859.85	8	2,500.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,569.55	1/4	4,250.93	1/4	3,917.18	1/4	3,568.29	1/4	3,210.94	1/4	2,852.37	1/4	2,493.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,563.08	1/2	4,244.14	1/2	3,910.07	1/2	3,560.87	1/2	3,203.49	1/2	2,844.89	1/2	2,485.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,556.58	3/4	4,237.32	3/4	3,902.94	3/4	3,553.43	3/4	3,196.04	3/4	2,837.41	3/4	2,478.45
9		9		9		9	4,550.07	9	4,230.51	9	3,895.81	9	3,545.99	9	3,188.60	9	2,829.93	9	2,470.97
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,543.57	1/4	4,223.69	1/4	3,888.68	1/4	3,538.56	1/4	3,181.15	1/4	2,822.46	1/4	2,463.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,537.07	1/2	4,216.88	1/2	3,881.55	1/2	3,531.12	1/2	3,173.71	1/2	2,814.98	1/2	2,456.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,530.54	3/4	4,210.03	3/4	3,874.39	3/4	3,523.67	3/4	3,166.26	3/4	2,807.50	3/4	2,448.54
10		10		10		10	4,524.01	10	4,203.19	10	3,867.23	10	3,516.23	10	3,158.81	10	2,800.02	10	2,441.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,517.49	1/4	4,196.34	1/4	3,860.07	1/4	3,508.78	1/4	3,151.37	1/4	2,792.54	1/4	2,433.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,510.96	1/2	4,189.50	1/2	3,852.92	1/2	3,501.33	1/2	3,143.92	1/2	2,785.06	1/2	2,426.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,504.40	3/4	4,182.63	3/4	3,845.73	3/4	3,493.89	3/4	3,136.47	3/4	2,777.59	3/4	2,418.63
11		11		11		11	4,497.85	11	4,175.76	11	3,838.55	11	3,486.44	11	3,129.02	11	2,770.11	11	2,411.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,491.29	1/4	4,168.89	1/4	3,831.36	1/4	3,479.00	1/4	3,121.56	1/4	2,762.63	1/4	2,403.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,484.74	1/2	4,162.02	1/2	3,824.18	1/2	3,471.55	1/2	3,114.11	1/2	2,755.15	1/2	2,396.19
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,478.16	3/4	4,155.13	3/4	3,816.97	3/4	3,464.10	3/4	3,106.63	3/4	2,747.67	3/4	2,388.71

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 51'-09" 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 29106"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,381.24	0	2,022.28	0	1,663.32	0	1,304.36	0	945.69	0	586.85	0	227.90	0		0		0	
1/4	2,373.76	1/4	2,014.80	1/4	1,655.84	1/4	1,296.88	1/4	938.22	1/4	579.37	1/4	220.43	1/4	1/4	1/4		1/4	1/4
1/2	2,366.28	1/2	2,007.32	1/2	1,648.36	1/2	1,289.40	1/2	930.76	1/2	571.89	1/2	212.95	1/2	1/2	1/2		1/2	1/2
3/4	2,358.80	3/4	1,999.84	3/4	1,640.88	3/4	1,281.93	3/4	923.29	3/4	564.41	3/4	205.47	3/4	3/4	3/4		3/4	3/4
1	2,351.32	1	1,992.36	1	1,633.41	1	1,274.45	1	915.82	1	556.93	1	198.00	1	1	1		1	1
1/4	2,343.84	1/4	1,984.89	1/4	1,625.93	1/4	1,266.97	1/4	908.36	1/4	549.46	1/4	190.52	1/4	1/4	1/4		1/4	1/4
1/2	2,336.37	1/2	1,977.41	1/2	1,618.45	1/2	1,259.49	1/2	900.89	1/2	541.98	1/2	183.04	1/2	1/2	1/2		1/2	1/2
3/4	2,328.89	3/4	1,969.93	3/4	1,610.97	3/4	1,252.01	3/4	893.42	3/4	534.50	3/4	175.57	3/4	3/4	3/4		3/4	3/4
2	2,321.41	2	1,962.45	2	1,603.49	2	1,244.53	2	885.95	2	527.02	2	168.10	2	2	2		2	2
1/4	2,313.93	1/4	1,954.97	1/4	1,596.01	1/4	1,237.06	1/4	878.48	1/4	519.54	1/4	160.64	1/4	1/4	1/4		1/4	1/4
1/2	2,306.45	1/2	1,947.49	1/2	1,588.54	1/2	1,229.58	1/2	871.01	1/2	512.07	1/2	153.17	1/2	1/2	1/2		1/2	1/2
3/4	2,298.97	3/4	1,940.02	3/4	1,581.06	3/4	1,222.10	3/4	863.53	3/4	504.59	3/4	145.71	3/4	3/4	3/4		3/4	3/4
3	2,291.50	3	1,932.54	3	1,573.58	3	1,214.62	3	856.05	3	497.11	3	138.25	3	3	3		3	3
1/4	2,284.02	1/4	1,925.06	1/4	1,566.10	1/4	1,207.14	1/4	848.58	1/4	489.63	1/4	130.79	1/4	1/4	1/4		1/4	1/4
1/2	2,276.54	1/2	1,917.58	1/2	1,558.62	1/2	1,199.66	1/2	841.10	1/2	482.15	1/2	123.33	1/2	1/2	1/2		1/2	1/2
3/4	2,269.06	3/4	1,910.10	3/4	1,551.14	3/4	1,192.19	3/4	833.62	3/4	474.68	3/4	115.89	3/4	3/4	3/4		3/4	3/4
4	2,261.58	4	1,902.62	4	1,543.67	4	1,184.71	4	826.14	4	467.20	4	108.45	4	4	4		4	4
1/4	2,254.10	1/4	1,895.15	1/4	1,536.19	1/4	1,177.23	1/4	818.66	1/4	459.72	1/4	101.01	1/4	1/4	1/4		1/4	1/4
1/2	2,246.63	1/2	1,887.67	1/2	1,528.71	1/2	1,169.75	1/2	811.19	1/2	452.24	1/2	93.57	1/2	1/2	1/2		1/2	1/2
3/4	2,239.15	3/4	1,880.19	3/4	1,521.23	3/4	1,162.27	3/4	803.71	3/4	444.76	3/4	86.16	3/4	3/4	3/4		3/4	3/4
5	2,231.67	5	1,872.71	5	1,513.75	5	1,154.79	5	796.23	5	437.29	5	78.75	5	5	5		5	5
1/4	2,224.19	1/4	1,865.23	1/4	1,506.27	1/4	1,147.32	1/4	788.75	1/4	429.81	1/4	71.34	1/4	1/4	1/4		1/4	1/4
1/2	2,216.71	1/2	1,857.75	1/2	1,498.80	1/2	1,139.84	1/2	781.27	1/2	422.33	1/2	63.93	1/2	1/2	1/2		1/2	1/2
3/4	2,209.23	3/4	1,850.28	3/4	1,491.32	3/4	1,132.36	3/4	773.80	3/4	414.85	3/4	56.98	3/4	3/4	3/4		3/4	3/4
6	2,201.76	6	1,842.80	6	1,483.84	6	1,124.89	6	766.32	6	407.37	6	50.03	6	6	6		6	6
1/4	2,194.28	1/4	1,835.32	1/4	1,476.36	1/4	1,117.42	1/4	758.84	1/4	399.90	1/4	43.09	1/4	1/4	1/4		1/4	1/4
1/2	2,186.80	1/2	1,827.84	1/2	1,468.88	1/2	1,109.94	1/2	751.36	1/2	392.42	1/2	36.14	1/2	1/2	1/2		1/2	1/2
3/4	2,179.32	3/4	1,820.36	3/4	1,461.40	3/4	1,102.48	3/4	743.88	3/4	384.94	3/4	30.84	3/4	3/4	3/4		3/4	3/4
7	2,171.84	7	1,812.88	7	1,453.93	7	1,095.01	7	736.41	7	377.46	7	25.55	7	7	7		7	7
1/4	2,164.36	1/4	1,805.41	1/4	1,446.45	1/4	1,087.55	1/4	728.93	1/4	369.98	1/4	20.25	1/4	1/4	1/4		1/4	1/4
1/2	2,156.89	1/2	1,797.93	1/2	1,438.97	1/2	1,080.08	1/2	721.45	1/2	362.51	1/2	14.96	1/2	1/2	1/2		1/2	1/2
3/4	2,149.41	3/4	1,790.45	3/4	1,431.49	3/4	1,072.61	3/4	713.97	3/4	355.03	3/4		3/4	3/4	3/4		3/4	3/4
8	2,141.93	8	1,782.97	8	1,424.01	8	1,065.15	8	706.49	8	347.55	8		8	8	8		8	8
1/4	2,134.45	1/4	1,775.49	1/4	1,416.53	1/4	1,057.68	1/4	699.02	1/4	340.07	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,126.97	1/2	1,768.01	1/2	1,409.06	1/2	1,050.21	1/2	691.54	1/2	332.59	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,119.49	3/4	1,760.54	3/4	1,401.58	3/4	1,042.75	3/4	684.06	3/4	325.12	3/4		3/4	3/4	3/4		3/4	3/4
9	2,112.02	9	1,753.06	9	1,394.10	9	1,035.28	9	676.58	9	317.64	9		9	9	9		9	9
1/4	2,104.54	1/4	1,745.58	1/4	1,386.62	1/4	1,027.82	1/4	669.10	1/4	310.16	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,097.06	1/2	1,738.10	1/2	1,379.14	1/2	1,020.35	1/2	661.63	1/2	302.68	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,089.58	3/4	1,730.62	3/4	1,371.66	3/4	1,012.88	3/4	654.15	3/4	295.20	3/4		3/4	3/4	3/4		3/4	3/4
10	2,082.10	10	1,723.14	10	1,364.19	10	1,005.42	10	646.67	10	287.73	10		10	10	10		10	10
1/4	2,074.63	1/4	1,715.67	1/4	1,356.71	1/4	997.95	1/4	639.19	1/4	280.25	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,067.15	1/2	1,708.19	1/2	1,349.23	1/2	990.49	1/2	631.71	1/2	272.77	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,059.67	3/4	1,700.71	3/4	1,341.75	3/4	983.02	3/4	624.24	3/4	265.29	3/4		3/4	3/4	3/4		3/4	3/4
11	2,052.19	11	1,693.23	11	1,334.27	11	975.55	11	616.76	11	257.81	11		11	11	11		11	11
1/4	2,044.71	1/4	1,685.75	1/4	1,326.80	1/4	968.09	1/4	609.28	1/4	250.34	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,037.23	1/2	1,678.28	1/2	1,319.32	1/2	960.62	1/2	601.80	1/2	242.86	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,029.76	3/4	1,670.80	3/4	1,311.84	3/4	953.16	3/4	594.32	3/4	235.38	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/21/2013 CL - SW
CALCULATED: 02/22/2013 CL
PRINTED: 02/22/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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



BARGE "KIRBY 29106"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	11	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	
1/2		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	

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 51'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77588
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BARGE "KIRBY 29106"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	2,262.79	0	1,905.69	0	1,549.63	0	1,193.38	0	848.46	0	491.25	0	133.86	0		0		0	
1/4	2,255.36	1/4	1,898.27	1/4	1,542.19	1/4	1,186.21	1/4	841.04	1/4	483.80	1/4	126.42	1/4	1/4		1/4		1/4
1/2	2,247.93	1/2	1,890.85	1/2	1,534.74	1/2	1,179.03	1/2	833.61	1/2	476.36	1/2	118.97	1/2	1/2		1/2		1/2
3/4	2,240.50	3/4	1,883.44	3/4	1,527.30	3/4	1,171.85	3/4	826.19	3/4	468.91	3/4	111.53	3/4	3/4		3/4		3/4
1	2,233.07	1	1,876.02	1	1,519.85	1	1,164.68	1	818.77	1	461.47	1	104.08	1	1		1		1
1/4	2,225.64	1/4	1,868.60	1/4	1,512.41	1/4	1,157.50	1/4	811.34	1/4	454.02	1/4	96.95	1/4	1/4		1/4		1/4
1/2	2,218.21	1/2	1,861.18	1/2	1,504.97	1/2	1,150.33	1/2	803.92	1/2	446.58	1/2	89.82	1/2	1/2		1/2		1/2
3/4	2,210.78	3/4	1,853.76	3/4	1,497.52	3/4	1,143.15	3/4	796.49	3/4	439.13	3/4	82.69	3/4	3/4		3/4		3/4
2	2,203.35	2	1,846.35	2	1,490.08	2	1,135.97	2	789.07	2	431.68	2	75.56	2	2		2		2
1/4	2,195.92	1/4	1,838.93	1/4	1,482.63	1/4	1,128.80	1/4	781.62	1/4	424.24	1/4	69.38	1/4	1/4		1/4		1/4
1/2	2,188.49	1/2	1,831.51	1/2	1,475.19	1/2	1,121.62	1/2	774.18	1/2	416.79	1/2	63.19	1/2	1/2		1/2		1/2
3/4	2,181.06	3/4	1,824.09	3/4	1,467.74	3/4	1,114.45	3/4	766.73	3/4	409.35	3/4	57.00	3/4	3/4		3/4		3/4
3	2,173.63	3	1,816.68	3	1,460.30	3	1,107.27	3	759.29	3	401.90	3	50.81	3	3		3		3
1/4	2,166.20	1/4	1,809.26	1/4	1,452.86	1/4	1,100.09	1/4	751.84	1/4	394.46	1/4	45.88	1/4	1/4		1/4		1/4
1/2	2,158.77	1/2	1,801.84	1/2	1,445.41	1/2	1,092.92	1/2	744.40	1/2	387.01	1/2	40.94	1/2	1/2		1/2		1/2
3/4	2,151.34	3/4	1,794.42	3/4	1,437.97	3/4	1,085.74	3/4	736.95	3/4	379.57	3/4	36.01	3/4	3/4		3/4		3/4
4	2,143.91	4	1,787.00	4	1,430.52	4	1,078.57	4	729.50	4	372.12	4	31.08	4	4		4		4
1/4	2,136.46	1/4	1,779.59	1/4	1,423.08	1/4	1,071.40	1/4	722.06	1/4	364.67	1/4	27.41	1/4	1/4		1/4		1/4
1/2	2,129.02	1/2	1,772.17	1/2	1,415.64	1/2	1,064.24	1/2	714.61	1/2	357.23	1/2	23.74	1/2	1/2		1/2		1/2
3/4	2,121.57	3/4	1,764.75	3/4	1,408.19	3/4	1,057.08	3/4	707.17	3/4	349.78	3/4	20.08	3/4	3/4		3/4		3/4
5	2,114.13	5	1,757.33	5	1,400.75	5	1,049.92	5	699.72	5	342.34	5	16.41	5	5		5		5
1/4	2,106.69	1/4	1,749.91	1/4	1,393.30	1/4	1,042.76	1/4	692.28	1/4	334.89	1/4		1/4	1/4		1/4		1/4
1/2	2,099.24	1/2	1,742.50	1/2	1,385.86	1/2	1,035.59	1/2	684.83	1/2	327.45	1/2		1/2	1/2		1/2		1/2
3/4	2,091.80	3/4	1,735.08	3/4	1,378.41	3/4	1,028.43	3/4	677.39	3/4	320.00	3/4		3/4	3/4		3/4		3/4
6	2,084.35	6	1,727.66	6	1,370.97	6	1,021.27	6	669.94	6	312.56	6		6	6		6		6
1/4	2,076.91	1/4	1,720.24	1/4	1,363.53	1/4	1,014.11	1/4	662.49	1/4	305.11	1/4		1/4	1/4		1/4		1/4
1/2	2,069.46	1/2	1,712.82	1/2	1,356.08	1/2	1,006.95	1/2	655.05	1/2	297.67	1/2		1/2	1/2		1/2		1/2
3/4	2,062.02	3/4	1,705.41	3/4	1,348.64	3/4	999.79	3/4	647.60	3/4	290.22	3/4		3/4	3/4		3/4		3/4
7	2,054.58	7	1,697.99	7	1,341.19	7	992.64	7	640.16	7	282.77	7		7	7		7		7
1/4	2,047.13	1/4	1,690.57	1/4	1,333.75	1/4	985.48	1/4	632.71	1/4	275.33	1/4		1/4	1/4		1/4		1/4
1/2	2,039.69	1/2	1,683.15	1/2	1,326.31	1/2	978.33	1/2	625.27	1/2	267.88	1/2		1/2	1/2		1/2		1/2
3/4	2,032.24	3/4	1,675.74	3/4	1,318.86	3/4	971.17	3/4	617.82	3/4	260.44	3/4		3/4	3/4		3/4		3/4
8	2,024.80	8	1,668.32	8	1,311.42	8	964.02	8	610.38	8	252.99	8		8	8		8		8
1/4	2,017.35	1/4	1,660.90	1/4	1,303.97	1/4	956.86	1/4	602.93	1/4	245.55	1/4		1/4	1/4		1/4		1/4
1/2	2,009.91	1/2	1,653.48	1/2	1,296.53	1/2	949.71	1/2	595.49	1/2	238.10	1/2		1/2	1/2		1/2		1/2
3/4	2,002.47	3/4	1,646.06	3/4	1,289.08	3/4	942.55	3/4	588.04	3/4	230.66	3/4		3/4	3/4		3/4		3/4
9	1,995.02	9	1,638.65	9	1,281.64	9	935.40	9	580.59	9	223.21	9		9	9		9		9
1/4	1,987.58	1/4	1,631.23	1/4	1,274.20	1/4	928.24	1/4	573.15	1/4	215.76	1/4		1/4	1/4		1/4		1/4
1/2	1,980.13	1/2	1,623.81	1/2	1,266.75	1/2	921.09	1/2	565.70	1/2	208.32	1/2		1/2	1/2		1/2		1/2
3/4	1,972.69	3/4	1,616.39	3/4	1,259.31	3/4	913.93	3/4	558.26	3/4	200.87	3/4		3/4	3/4		3/4		3/4
10	1,965.24	10	1,608.97	10	1,251.86	10	906.78	10	550.81	10	193.43	10		10	10		10		10
1/4	1,957.80	1/4	1,601.56	1/4	1,244.42	1/4	899.62	1/4	543.37	1/4	185.98	1/4		1/4	1/4		1/4		1/4
1/2	1,950.36	1/2	1,594.14	1/2	1,236.97	1/2	892.47	1/2	535.92	1/2	178.54	1/2		1/2	1/2		1/2		1/2
3/4	1,942.91	3/4	1,586.72	3/4	1,229.53	3/4	885.31	3/4	528.48	3/4	171.09	3/4		3/4	3/4		3/4		3/4
11	1,935.47	11	1,579.30	11	1,222.09	11	878.16	11	521.03	11	163.65	11		11	11		11		11
1/4	1,928.02	1/4	1,571.88	1/4	1,214.64	1/4	870.74	1/4	513.58	1/4	156.20	1/4		1/4	1/4		1/4		1/4
1/2	1,920.58	1/2	1,564.47	1/2	1,207.23	1/2	863.31	1/2	506.14	1/2	148.76	1/2		1/2	1/2		1/2		1/2
3/4	1,913.13	3/4	1,557.05	3/4	1,200.56	3/4	855.89	3/4	498.69	3/4	141.31	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/21/2013 CL - SW
CALCULATED: 02/22/2013 CL
PRINTED: 02/22/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

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



BARGE "KIRBY 29106"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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
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	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	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	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	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	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	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	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	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	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	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	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	
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	
1/2		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	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	
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11

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 51'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77588
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BARGE "KIRBY 29106"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	2,283.07	0	1,924.85	0	1,566.64	0	1,208.42	0	850.50	0	492.39	0	134.18	0		0		0	
1/4	2,275.60	1/4	1,917.39	1/4	1,559.17	1/4	1,200.96	1/4	843.05	1/4	484.93	1/4	126.72	1/4	1/4	1/4		1/4	
1/2	2,268.14	1/2	1,909.93	1/2	1,551.71	1/2	1,193.50	1/2	835.60	1/2	477.46	1/2	119.26	1/2	1/2	1/2		1/2	
3/4	2,260.68	3/4	1,902.46	3/4	1,544.25	3/4	1,186.03	3/4	828.15	3/4	470.00	3/4	111.80	3/4	3/4	3/4		3/4	
1	2,253.21	1	1,895.00	1	1,536.79	1	1,178.57	1	820.70	1	462.54	1	104.34	1	1	1		1	
1/4	2,245.75	1/4	1,887.54	1/4	1,529.32	1/4	1,171.11	1/4	813.24	1/4	455.08	1/4	97.19	1/4	1/4	1/4		1/4	
1/2	2,238.29	1/2	1,880.07	1/2	1,521.86	1/2	1,163.65	1/2	805.79	1/2	447.61	1/2	90.04	1/2	1/2	1/2		1/2	
3/4	2,230.83	3/4	1,872.61	3/4	1,514.40	3/4	1,156.18	3/4	798.34	3/4	440.15	3/4	82.89	3/4	3/4	3/4		3/4	
2	2,223.36	2	1,865.15	2	1,506.93	2	1,148.72	2	790.89	2	432.69	2	75.75	2	2	2		2	
1/4	2,215.90	1/4	1,857.69	1/4	1,499.47	1/4	1,141.26	1/4	783.43	1/4	425.23	1/4	69.54	1/4	1/4	1/4		1/4	
1/2	2,208.44	1/2	1,850.22	1/2	1,492.01	1/2	1,133.79	1/2	775.97	1/2	417.76	1/2	63.34	1/2	1/2	1/2		1/2	
3/4	2,200.97	3/4	1,842.76	3/4	1,484.55	3/4	1,126.33	3/4	768.50	3/4	410.30	3/4	57.13	3/4	3/4	3/4		3/4	
3	2,193.51	3	1,835.30	3	1,477.08	3	1,118.87	3	761.04	3	402.84	3	50.93	3	3	3		3	
1/4	2,186.05	1/4	1,827.83	1/4	1,469.62	1/4	1,111.41	1/4	753.58	1/4	395.37	1/4	45.98	1/4	1/4	1/4		1/4	
1/2	2,178.59	1/2	1,820.37	1/2	1,462.16	1/2	1,103.94	1/2	746.12	1/2	387.91	1/2	41.03	1/2	1/2	1/2		1/2	
3/4	2,171.12	3/4	1,812.91	3/4	1,454.69	3/4	1,096.48	3/4	738.65	3/4	380.45	3/4	36.09	3/4	3/4	3/4		3/4	
4	2,163.66	4	1,805.45	4	1,447.23	4	1,089.02	4	731.19	4	372.99	4	31.14	4	4	4		4	
1/4	2,156.20	1/4	1,797.98	1/4	1,439.77	1/4	1,081.55	1/4	723.73	1/4	365.52	1/4	27.46	1/4	1/4	1/4		1/4	
1/2	2,148.73	1/2	1,790.52	1/2	1,432.31	1/2	1,074.09	1/2	716.27	1/2	358.06	1/2	23.78	1/2	1/2	1/2		1/2	
3/4	2,141.27	3/4	1,783.06	3/4	1,424.84	3/4	1,066.63	3/4	708.80	3/4	350.60	3/4	20.10	3/4	3/4	3/4		3/4	
5	2,133.81	5	1,775.59	5	1,417.38	5	1,059.17	5	701.34	5	343.14	5	16.42	5	5	5		5	
1/4	2,126.35	1/4	1,768.13	1/4	1,409.92	1/4	1,051.70	1/4	693.88	1/4	335.67	1/4		1/4	1/4	1/4		1/4	
1/2	2,118.88	1/2	1,760.67	1/2	1,402.45	1/2	1,044.24	1/2	686.42	1/2	328.21	1/2		1/2	1/2	1/2		1/2	
3/4	2,111.42	3/4	1,753.21	3/4	1,394.99	3/4	1,036.78	3/4	678.95	3/4	320.75	3/4		3/4	3/4	3/4		3/4	
6	2,103.96	6	1,745.74	6	1,387.53	6	1,029.31	6	671.49	6	313.29	6		6	6	6		6	
1/4	2,096.50	1/4	1,738.28	1/4	1,380.07	1/4	1,021.86	1/4	664.03	1/4	305.82	1/4		1/4	1/4	1/4		1/4	
1/2	2,089.03	1/2	1,730.82	1/2	1,372.60	1/2	1,014.41	1/2	656.57	1/2	298.36	1/2		1/2	1/2	1/2		1/2	
3/4	2,081.57	3/4	1,723.36	3/4	1,365.14	3/4	1,006.96	3/4	649.10	3/4	290.90	3/4		3/4	3/4	3/4		3/4	
7	2,074.11	7	1,715.89	7	1,357.68	7	999.51	7	641.64	7	283.44	7		7	7	7		7	
1/4	2,066.64	1/4	1,708.43	1/4	1,350.22	1/4	992.06	1/4	634.18	1/4	275.97	1/4		1/4	1/4	1/4		1/4	
1/2	2,059.18	1/2	1,700.97	1/2	1,342.75	1/2	984.61	1/2	626.72	1/2	268.51	1/2		1/2	1/2	1/2		1/2	
3/4	2,051.72	3/4	1,693.50	3/4	1,335.29	3/4	977.16	3/4	619.25	3/4	261.05	3/4		3/4	3/4	3/4		3/4	
8	2,044.26	8	1,686.04	8	1,327.83	8	969.71	8	611.79	8	253.59	8		8	8	8		8	
1/4	2,036.79	1/4	1,678.58	1/4	1,320.36	1/4	962.26	1/4	604.33	1/4	246.12	1/4		1/4	1/4	1/4		1/4	
1/2	2,029.33	1/2	1,671.12	1/2	1,312.90	1/2	954.81	1/2	596.86	1/2	238.66	1/2		1/2	1/2	1/2		1/2	
3/4	2,021.87	3/4	1,663.65	3/4	1,305.44	3/4	947.36	3/4	589.40	3/4	231.20	3/4		3/4	3/4	3/4		3/4	
9	2,014.40	9	1,656.19	9	1,297.98	9	939.91	9	581.94	9	223.73	9		9	9	9		9	
1/4	2,006.94	1/4	1,648.73	1/4	1,290.51	1/4	932.46	1/4	574.48	1/4	216.27	1/4		1/4	1/4	1/4		1/4	
1/2	1,999.48	1/2	1,641.26	1/2	1,283.05	1/2	925.01	1/2	567.01	1/2	208.81	1/2		1/2	1/2	1/2		1/2	
3/4	1,992.02	3/4	1,633.80	3/4	1,275.59	3/4	917.55	3/4	559.55	3/4	201.35	3/4		3/4	3/4	3/4		3/4	
10	1,984.55	10	1,626.34	10	1,268.12	10	910.10	10	552.09	10	193.88	10		10	10	10		10	
1/4	1,977.09	1/4	1,618.88	1/4	1,260.66	1/4	902.65	1/4	544.63	1/4	186.42	1/4		1/4	1/4	1/4		1/4	
1/2	1,969.63	1/2	1,611.41	1/2	1,253.20	1/2	895.20	1/2	537.16	1/2	178.96	1/2		1/2	1/2	1/2		1/2	
3/4	1,962.16	3/4	1,603.95	3/4	1,245.74	3/4	887.75	3/4	529.70	3/4	171.50	3/4		3/4	3/4	3/4		3/4	
11	1,954.70	11	1,596.49	11	1,238.27	11	880.30	11	522.24	11	164.03	11		11	11	11		11	
1/4	1,947.24	1/4	1,589.02	1/4	1,230.81	1/4	872.85	1/4	514.78	1/4	156.57	1/4		1/4	1/4	1/4		1/4	
1/2	1,939.78	1/2	1,581.56	1/2	1,223.35	1/2	865.40	1/2	507.31	1/2	149.11	1/2		1/2	1/2	1/2		1/2	
3/4	1,932.31	3/4	1,574.10	3/4	1,215.88	3/4	857.95	3/4	499.85	3/4	141.65	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/21/2013 CL - SW
CALCULATED: 02/22/2013 CL
PRINTED: 02/22/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2013

PRECISION MEASUREMENT
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