



BARGE "KIRBY 28185"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-5/8"
 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"

March 31, 2012

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

<http://www.pmacorp.net>



BARGE "KIRBY 28185"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 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	2,402.61	0	2,024.70	0	1,646.78	0	1,270.36	0	893.12	0	515.32	0	169.63	0		0		0	
1/4	2,394.74	1/4	2,016.82	1/4	1,638.91	1/4	1,262.53	1/4	885.25	1/4	507.50	1/4	163.11	1/4		1/4		1/4	
1/2	2,386.86	1/2	2,008.95	1/2	1,631.04	1/2	1,254.71	1/2	877.37	1/2	499.69	1/2	156.59	1/2		1/2		1/2	
3/4	2,378.99	3/4	2,001.08	3/4	1,623.16	3/4	1,246.89	3/4	869.50	3/4	491.87	3/4	150.07	3/4		3/4		3/4	
1	2,371.12	1	1,993.20	1	1,615.29	1	1,239.06	1	861.63	1	484.15	1	143.67	1		1		1	
1/4	2,363.24	1/4	1,985.33	1/4	1,607.42	1/4	1,231.24	1/4	853.76	1/4	476.43	1/4	137.27	1/4		1/4		1/4	
1/2	2,355.37	1/2	1,977.46	1/2	1,599.54	1/2	1,223.42	1/2	845.88	1/2	468.70	1/2	130.87	1/2		1/2		1/2	
3/4	2,347.50	3/4	1,969.58	3/4	1,591.67	3/4	1,215.59	3/4	838.01	3/4	460.98	3/4	124.47	3/4		3/4		3/4	
2	2,339.62	2	1,961.71	2	1,583.80	2	1,207.77	2	830.14	2	453.37	2	118.19	2		2		2	
1/4	2,331.75	1/4	1,953.84	1/4	1,575.92	1/4	1,199.94	1/4	822.26	1/4	445.75	1/4	111.91	1/4		1/4		1/4	
1/2	2,323.88	1/2	1,945.96	1/2	1,568.05	1/2	1,192.12	1/2	814.39	1/2	438.14	1/2	105.63	1/2		1/2		1/2	
3/4	2,316.00	3/4	1,938.09	3/4	1,560.18	3/4	1,184.30	3/4	806.52	3/4	430.53	3/4	99.35	3/4		3/4		3/4	
3	2,308.13	3	1,930.22	3	1,552.32	3	1,176.45	3	798.64	3	423.02	3	93.20	3		3		3	
1/4	2,300.26	1/4	1,922.34	1/4	1,544.45	1/4	1,168.61	1/4	790.77	1/4	415.52	1/4	87.05	1/4		1/4		1/4	
1/2	2,292.39	1/2	1,914.47	1/2	1,536.59	1/2	1,160.77	1/2	782.90	1/2	408.02	1/2	80.90	1/2		1/2		1/2	
3/4	2,284.51	3/4	1,906.60	3/4	1,528.73	3/4	1,152.93	3/4	775.03	3/4	400.51	3/4	74.74	3/4		3/4		3/4	
4	2,276.64	4	1,898.73	4	1,520.89	4	1,145.06	4	767.15	4	393.12	4	68.74	4		4		4	
1/4	2,268.77	1/4	1,890.85	1/4	1,513.04	1/4	1,137.18	1/4	759.28	1/4	385.72	1/4	62.73	1/4		1/4		1/4	
1/2	2,260.89	1/2	1,882.98	1/2	1,505.20	1/2	1,129.31	1/2	751.41	1/2	378.33	1/2	56.72	1/2		1/2		1/2	
3/4	2,253.02	3/4	1,875.11	3/4	1,497.35	3/4	1,121.44	3/4	743.53	3/4	370.93	3/4	50.71	3/4		3/4		3/4	
5	2,245.15	5	1,867.23	5	1,489.52	5	1,113.56	5	735.66	5	363.65	5	45.29	5		5		5	
1/4	2,237.27	1/4	1,859.36	1/4	1,481.68	1/4	1,105.69	1/4	727.79	1/4	356.36	1/4	39.87	1/4		1/4		1/4	
1/2	2,229.40	1/2	1,851.49	1/2	1,473.84	1/2	1,097.82	1/2	719.91	1/2	349.08	1/2	34.46	1/2		1/2		1/2	
3/4	2,221.53	3/4	1,843.61	3/4	1,466.00	3/4	1,089.95	3/4	712.04	3/4	341.79	3/4	29.04	3/4		3/4		3/4	
6	2,213.65	6	1,835.74	6	1,458.17	6	1,082.07	6	704.17	6	334.62	6	25.08	6		6		6	
1/4	2,205.78	1/4	1,827.87	1/4	1,450.34	1/4	1,074.20	1/4	696.30	1/4	327.44	1/4	21.11	1/4		1/4		1/4	
1/2	2,197.91	1/2	1,819.99	1/2	1,442.51	1/2	1,066.33	1/2	688.42	1/2	320.27	1/2	17.15	1/2		1/2		1/2	
3/4	2,190.03	3/4	1,812.12	3/4	1,434.67	3/4	1,058.45	3/4	680.55	3/4	313.09	3/4	13.19	3/4		3/4		3/4	
7	2,182.16	7	1,804.25	7	1,426.85	7	1,050.58	7	672.68	7	306.03	7		7		7		7	
1/4	2,174.29	1/4	1,796.37	1/4	1,419.02	1/4	1,042.71	1/4	664.80	1/4	298.96	1/4		1/4		1/4		1/4	
1/2	2,166.41	1/2	1,788.50	1/2	1,411.19	1/2	1,034.83	1/2	656.93	1/2	291.89	1/2		1/2		1/2		1/2	
3/4	2,158.54	3/4	1,780.63	3/4	1,403.36	3/4	1,026.96	3/4	649.06	3/4	284.83	3/4		3/4		3/4		3/4	
8	2,150.67	8	1,772.75	8	1,395.54	8	1,019.09	8	641.18	8	277.87	8		8		8		8	
1/4	2,142.79	1/4	1,764.88	1/4	1,387.72	1/4	1,011.22	1/4	633.31	1/4	270.91	1/4		1/4		1/4		1/4	
1/2	2,134.92	1/2	1,757.01	1/2	1,379.89	1/2	1,003.34	1/2	625.44	1/2	263.96	1/2		1/2		1/2		1/2	
3/4	2,127.05	3/4	1,749.13	3/4	1,372.07	3/4	995.47	3/4	617.57	3/4	257.00	3/4		3/4		3/4		3/4	
9	2,119.17	9	1,741.26	9	1,364.24	9	987.60	9	609.69	9	250.15	9		9		9		9	
1/4	2,111.30	1/4	1,733.39	1/4	1,356.42	1/4	979.72	1/4	601.82	1/4	243.30	1/4		1/4		1/4		1/4	
1/2	2,103.43	1/2	1,725.51	1/2	1,348.60	1/2	971.85	1/2	593.95	1/2	236.46	1/2		1/2		1/2		1/2	
3/4	2,095.56	3/4	1,717.64	3/4	1,340.77	3/4	963.98	3/4	586.07	3/4	229.61	3/4		3/4		3/4		3/4	
10	2,087.68	10	1,709.77	10	1,332.95	10	956.10	10	578.20	10	222.87	10		10		10		10	
1/4	2,079.81	1/4	1,701.90	1/4	1,325.12	1/4	948.23	1/4	570.33	1/4	216.13	1/4		1/4		1/4		1/4	
1/2	2,071.94	1/2	1,694.02	1/2	1,317.30	1/2	940.36	1/2	562.45	1/2	209.40	1/2		1/2		1/2		1/2	
3/4	2,064.06	3/4	1,686.15	3/4	1,309.48	3/4	932.49	3/4	554.58	3/4	202.66	3/4		3/4		3/4		3/4	
11	2,056.19	11	1,678.28	11	1,301.65	11	924.61	11	546.72	11	196.03	11		11		11		11	
1/4	2,048.32	1/4	1,670.40	1/4	1,293.83	1/4	916.74	1/4	538.86	1/4	189.40	1/4		1/4		1/4		1/4	
1/2	2,040.44	1/2	1,662.53	1/2	1,286.01	1/2	908.87	1/2	530.99	1/2	182.77	1/2		1/2		1/2		1/2	
3/4	2,032.57	3/4	1,654.66	3/4	1,278.18	3/4	900.99	3/4	523.13	3/4	176.14	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/30/2012 CL - SW
CALCULATED: 03/31/2012 CL
PRINTED: 03/31/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2012

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "KIRBY 28185"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN 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		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	
12		12		12		12		12		12		12		12		12		12	
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 51'-08" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 28185"

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	
1/2	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	
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	
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	
1/4	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	
1/2	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	
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	
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	
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	
1/2	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	
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	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	
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	
1/2	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	
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	
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	
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	
1/2	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	
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	
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	
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	
1/2	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	
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	
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	
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	
1/2	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	
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	
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	
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	
1/2	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	
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	
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	
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	
1/2	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	
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	
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	
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	
1/2	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	
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	
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	
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	
1/2	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	
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	
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	
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	
1/2	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	
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	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/30/2012 CL - SW
CALCULATED: 03/31/2012 CL
PRINTED: 03/31/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2012

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



BARGE "KIRBY 28185"

2 PORT ULLAGE TABLE

GAUGE HEIGHT 16'-07 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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			
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
1/2	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
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
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
1/4	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
1/2	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
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
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
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
1/2	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
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	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
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
1/2	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
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
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
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
1/2	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
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
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
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
1/2	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
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
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
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
1/2	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
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
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
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
1/2	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
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
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
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
1/2	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
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
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
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
1/2	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
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
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
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
1/2	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
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
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
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
1/2	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
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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/30/2012 CL - SW
CALCULATED: 03/31/2012 CL
PRINTED: 03/31/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2012

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2992
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 28185"

2 STBD ULLAGE TABLE

GAUGE HEIGHT 16'-07 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,374.90	0	2,015.77	0	1,656.64	0	1,297.51	0	938.68	0	579.65	0	220.53	0		0			
1/4	2,367.42	1/4	2,008.29	1/4	1,649.16	1/4	1,290.03	1/4	931.21	1/4	572.17	1/4	213.05	1/4		1/4			
1/2	2,359.94	1/2	2,000.81	1/2	1,641.68	1/2	1,282.55	1/2	923.74	1/2	564.69	1/2	205.57	1/2		1/2			
3/4	2,352.46	3/4	1,993.33	3/4	1,634.20	3/4	1,275.06	3/4	916.27	3/4	557.20	3/4	198.09	3/4		3/4			
1	2,344.98	1	1,985.85	1	1,626.71	1	1,267.58	1	908.80	1	549.72	1	190.61	1		1			
1/4	2,337.49	1/4	1,978.36	1/4	1,619.23	1/4	1,260.10	1/4	901.33	1/4	542.24	1/4	183.13	1/4		1/4			
1/2	2,330.01	1/2	1,970.88	1/2	1,611.75	1/2	1,252.62	1/2	893.85	1/2	534.76	1/2	175.66	1/2		1/2			
3/4	2,322.53	3/4	1,963.40	3/4	1,604.27	3/4	1,245.14	3/4	886.38	3/4	527.28	3/4	168.19	3/4		3/4			
2	2,315.05	2	1,955.92	2	1,596.79	2	1,237.66	2	878.91	2	519.80	2	160.71	2		2			
1/4	2,307.57	1/4	1,948.44	1/4	1,589.30	1/4	1,230.17	1/4	871.43	1/4	512.31	1/4	153.24	1/4		1/4			
1/2	2,300.08	1/2	1,940.95	1/2	1,581.82	1/2	1,222.69	1/2	863.95	1/2	504.83	1/2	145.78	1/2		1/2			
3/4	2,292.60	3/4	1,933.47	3/4	1,574.34	3/4	1,215.21	3/4	856.47	3/4	497.35	3/4	138.32	3/4		3/4			
3	2,285.12	3	1,925.99	3	1,566.86	3	1,207.73	3	848.99	3	489.87	3	130.85	3		3			
1/4	2,277.64	1/4	1,918.51	1/4	1,559.38	1/4	1,200.25	1/4	841.50	1/4	482.39	1/4	123.39	1/4		1/4			
1/2	2,270.16	1/2	1,911.03	1/2	1,551.89	1/2	1,192.76	1/2	834.02	1/2	474.91	1/2	115.95	1/2		1/2			
3/4	2,262.68	3/4	1,903.54	3/4	1,544.41	3/4	1,185.28	3/4	826.54	3/4	467.42	3/4	108.50	3/4		3/4			
4	2,255.19	4	1,896.06	4	1,536.93	4	1,177.80	4	819.06	4	459.94	4	101.06	4		4			
1/4	2,247.71	1/4	1,888.58	1/4	1,529.45	1/4	1,170.32	1/4	811.58	1/4	452.46	1/4	93.62	1/4		1/4			
1/2	2,240.23	1/2	1,881.10	1/2	1,521.97	1/2	1,162.84	1/2	804.10	1/2	444.98	1/2	86.20	1/2		1/2			
3/4	2,232.75	3/4	1,873.62	3/4	1,514.49	3/4	1,155.35	3/4	796.61	3/4	437.50	3/4	78.79	3/4		3/4			
5	2,225.27	5	1,866.13	5	1,507.00	5	1,147.87	5	789.13	5	430.02	5	71.38	5		5			
1/4	2,217.78	1/4	1,858.65	1/4	1,499.52	1/4	1,140.39	1/4	781.65	1/4	422.53	1/4	63.97	1/4		1/4			
1/2	2,210.30	1/2	1,851.17	1/2	1,492.04	1/2	1,132.91	1/2	774.17	1/2	415.05	1/2	57.01	1/2		1/2			
3/4	2,202.82	3/4	1,843.69	3/4	1,484.56	3/4	1,125.44	3/4	766.69	3/4	407.57	3/4	50.06	3/4		3/4			
6	2,195.34	6	1,836.21	6	1,477.08	6	1,117.96	6	759.21	6	400.09	6	43.11	6		6			
1/4	2,187.86	1/4	1,828.73	1/4	1,469.59	1/4	1,110.48	1/4	751.73	1/4	392.61	1/4	36.15	1/4		1/4			
1/2	2,180.37	1/2	1,821.24	1/2	1,462.11	1/2	1,103.01	1/2	744.24	1/2	385.13	1/2	30.86	1/2		1/2			
3/4	2,172.89	3/4	1,813.76	3/4	1,454.63	3/4	1,095.54	3/4	736.76	3/4	377.65	3/4	25.56	3/4		3/4			
7	2,165.41	7	1,806.28	7	1,447.15	7	1,088.07	7	729.28	7	370.16	7	20.26	7		7			
1/4	2,157.93	1/4	1,798.80	1/4	1,439.67	1/4	1,080.60	1/4	721.80	1/4	362.68	1/4	14.97	1/4		1/4			
1/2	2,150.45	1/2	1,791.32	1/2	1,432.18	1/2	1,073.13	1/2	714.32	1/2	355.20	1/2		1/2		1/2			
3/4	2,142.96	3/4	1,783.83	3/4	1,424.70	3/4	1,065.66	3/4	706.84	3/4	347.72	3/4		3/4		3/4			
8	2,135.48	8	1,776.35	8	1,417.22	8	1,058.19	8	699.35	8	340.24	8		8		8			
1/4	2,128.00	1/4	1,768.87	1/4	1,409.74	1/4	1,050.72	1/4	691.87	1/4	332.76	1/4		1/4		1/4			
1/2	2,120.52	1/2	1,761.39	1/2	1,402.26	1/2	1,043.25	1/2	684.39	1/2	325.27	1/2		1/2		1/2			
3/4	2,113.04	3/4	1,753.91	3/4	1,394.77	3/4	1,035.78	3/4	676.91	3/4	317.79	3/4		3/4		3/4			
9	2,105.56	9	1,746.42	9	1,387.29	9	1,028.31	9	669.43	9	310.31	9		9		9			
1/4	2,098.07	1/4	1,738.94	1/4	1,379.81	1/4	1,020.84	1/4	661.95	1/4	302.83	1/4		1/4		1/4			
1/2	2,090.59	1/2	1,731.46	1/2	1,372.33	1/2	1,013.38	1/2	654.46	1/2	295.35	1/2		1/2		1/2			
3/4	2,083.11	3/4	1,723.98	3/4	1,364.85	3/4	1,005.91	3/4	646.98	3/4	287.87	3/4		3/4		3/4			
10	2,075.63	10	1,716.50	10	1,357.37	10	998.44	10	639.50	10	280.38	10		10		10			
1/4	2,068.15	1/4	1,709.01	1/4	1,349.88	1/4	990.97	1/4	632.02	1/4	272.90	1/4		1/4		1/4			
1/2	2,060.66	1/2	1,701.53	1/2	1,342.40	1/2	983.50	1/2	624.54	1/2	265.42	1/2		1/2		1/2			
3/4	2,053.18	3/4	1,694.05	3/4	1,334.92	3/4	976.03	3/4	617.06	3/4	257.94	3/4		3/4		3/4			
11	2,045.70	11	1,686.57	11	1,327.44	11	968.56	11	609.57	11	250.46	11		11		11			
1/4	2,038.22	1/4	1,679.09	1/4	1,319.96	1/4	961.09	1/4	602.09	1/4	242.98	1/4		1/4		1/4			
1/2	2,030.74	1/2	1,671.61	1/2	1,312.47	1/2	953.62	1/2	594.61	1/2	235.49	1/2		1/2		1/2			
3/4	2,023.25	3/4	1,664.12	3/4	1,304.99	3/4	946.15	3/4	587.13	3/4	228.01	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/30/2012 CL - SW
CALCULATED: 03/31/2012 CL
PRINTED: 03/31/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2012

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



BARGE "KIRBY 28185"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	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

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 51'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28185"

3 PORT ULLAGE TABLE

GAUGE HEIGHT 16'-04 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,254.81	0	1,897.81	0	1,541.81	0	1,185.92	0	840.84	0	483.69	0	126.39	0		0		0	
1/4	2,247.39	1/4	1,890.40	1/4	1,534.37	1/4	1,178.75	1/4	833.41	1/4	476.24	1/4	118.95	1/4		1/4		1/4	
1/2	2,239.96	1/2	1,882.98	1/2	1,526.93	1/2	1,171.57	1/2	825.99	1/2	468.80	1/2	111.50	1/2		1/2		1/2	
3/4	2,232.53	3/4	1,875.57	3/4	1,519.49	3/4	1,164.40	3/4	818.57	3/4	461.35	3/4	104.06	3/4		3/4		3/4	
1	2,225.10	1	1,868.15	1	1,512.05	1	1,157.22	1	811.15	1	453.91	1	96.93	1		1		1	
1/4	2,217.67	1/4	1,860.73	1/4	1,504.60	1/4	1,150.05	1/4	803.72	1/4	446.47	1/4	89.80	1/4		1/4		1/4	
1/2	2,210.24	1/2	1,853.32	1/2	1,497.16	1/2	1,142.87	1/2	796.30	1/2	439.02	1/2	82.67	1/2		1/2		1/2	
3/4	2,202.82	3/4	1,845.90	3/4	1,489.72	3/4	1,135.70	3/4	788.88	3/4	431.58	3/4	75.55	3/4		3/4		3/4	
2	2,195.39	2	1,838.48	2	1,482.28	2	1,128.53	2	781.43	2	424.14	2	69.36	2		2		2	
1/4	2,187.96	1/4	1,831.07	1/4	1,474.83	1/4	1,121.35	1/4	773.99	1/4	416.69	1/4	63.17	1/4		1/4		1/4	
1/2	2,180.53	1/2	1,823.65	1/2	1,467.39	1/2	1,114.18	1/2	766.55	1/2	409.25	1/2	56.98	1/2		1/2		1/2	
3/4	2,173.10	3/4	1,816.24	3/4	1,459.95	3/4	1,107.00	3/4	759.10	3/4	401.81	3/4	50.80	3/4		3/4		3/4	
3	2,165.67	3	1,808.82	3	1,452.51	3	1,099.83	3	751.66	3	394.36	3	45.87	3		3		3	
1/4	2,158.25	1/4	1,801.40	1/4	1,445.06	1/4	1,092.65	1/4	744.22	1/4	386.92	1/4	40.93	1/4		1/4		1/4	
1/2	2,150.82	1/2	1,793.99	1/2	1,437.62	1/2	1,085.48	1/2	736.77	1/2	379.47	1/2	36.00	1/2		1/2		1/2	
3/4	2,143.39	3/4	1,786.57	3/4	1,430.18	3/4	1,078.31	3/4	729.33	3/4	372.03	3/4	31.07	3/4		3/4		3/4	
4	2,135.95	4	1,779.16	4	1,422.74	4	1,071.15	4	721.88	4	364.59	4	27.41	4		4		4	
1/4	2,128.50	1/4	1,771.74	1/4	1,415.29	1/4	1,063.98	1/4	714.44	1/4	357.14	1/4	23.74	1/4		1/4		1/4	
1/2	2,121.06	1/2	1,764.32	1/2	1,407.85	1/2	1,056.82	1/2	707.00	1/2	349.70	1/2	20.07	1/2		1/2		1/2	
3/4	2,113.62	3/4	1,756.91	3/4	1,400.41	3/4	1,049.66	3/4	699.55	3/4	342.26	3/4	16.40	3/4		3/4		3/4	
5	2,106.18	5	1,749.49	5	1,392.97	5	1,042.50	5	692.11	5	334.81	5		5		5		5	
1/4	2,098.73	1/4	1,742.08	1/4	1,385.52	1/4	1,035.34	1/4	684.67	1/4	327.37	1/4		1/4		1/4		1/4	
1/2	2,091.29	1/2	1,734.66	1/2	1,378.08	1/2	1,028.18	1/2	677.22	1/2	319.92	1/2		1/2		1/2		1/2	
3/4	2,083.85	3/4	1,727.24	3/4	1,370.64	3/4	1,021.02	3/4	669.78	3/4	312.48	3/4		3/4		3/4		3/4	
6	2,076.41	6	1,719.83	6	1,363.20	6	1,013.87	6	662.33	6	305.04	6		6		6		6	
1/4	2,068.96	1/4	1,712.41	1/4	1,355.75	1/4	1,006.71	1/4	654.89	1/4	297.59	1/4		1/4		1/4		1/4	
1/2	2,061.52	1/2	1,705.00	1/2	1,348.31	1/2	999.55	1/2	647.45	1/2	290.15	1/2		1/2		1/2		1/2	
3/4	2,054.08	3/4	1,697.58	3/4	1,340.87	3/4	992.40	3/4	640.00	3/4	282.71	3/4		3/4		3/4		3/4	
7	2,046.64	7	1,690.16	7	1,333.43	7	985.24	7	632.56	7	275.26	7		7		7		7	
1/4	2,039.19	1/4	1,682.75	1/4	1,325.99	1/4	978.09	1/4	625.12	1/4	267.82	1/4		1/4		1/4		1/4	
1/2	2,031.75	1/2	1,675.33	1/2	1,318.54	1/2	970.94	1/2	617.67	1/2	260.37	1/2		1/2		1/2		1/2	
3/4	2,024.31	3/4	1,667.91	3/4	1,311.10	3/4	963.78	3/4	610.23	3/4	252.93	3/4		3/4		3/4		3/4	
8	2,016.87	8	1,660.50	8	1,303.66	8	956.63	8	602.78	8	245.49	8		8		8		8	
1/4	2,009.42	1/4	1,653.08	1/4	1,296.22	1/4	949.48	1/4	595.34	1/4	238.04	1/4		1/4		1/4		1/4	
1/2	2,001.98	1/2	1,645.67	1/2	1,288.77	1/2	942.33	1/2	587.90	1/2	230.60	1/2		1/2		1/2		1/2	
3/4	1,994.54	3/4	1,638.25	3/4	1,281.33	3/4	935.17	3/4	580.45	3/4	223.16	3/4		3/4		3/4		3/4	
9	1,987.10	9	1,630.83	9	1,273.89	9	928.02	9	573.01	9	215.71	9		9		9		9	
1/4	1,979.65	1/4	1,623.42	1/4	1,266.45	1/4	920.87	1/4	565.57	1/4	208.27	1/4		1/4		1/4		1/4	
1/2	1,972.21	1/2	1,616.00	1/2	1,259.00	1/2	913.71	1/2	558.12	1/2	200.83	1/2		1/2		1/2		1/2	
3/4	1,964.77	3/4	1,608.59	3/4	1,251.56	3/4	906.56	3/4	550.68	3/4	193.38	3/4		3/4		3/4		3/4	
10	1,957.33	10	1,601.17	10	1,244.12	10	899.41	10	543.24	10	185.94	10		10		10		10	
1/4	1,949.88	1/4	1,593.75	1/4	1,236.68	1/4	892.25	1/4	535.79	1/4	178.49	1/4		1/4		1/4		1/4	
1/2	1,942.44	1/2	1,586.34	1/2	1,229.23	1/2	885.10	1/2	528.35	1/2	171.05	1/2		1/2		1/2		1/2	
3/4	1,935.00	3/4	1,578.92	3/4	1,221.79	3/4	877.95	3/4	520.90	3/4	163.61	3/4		3/4		3/4		3/4	
11	1,927.56	11	1,571.51	11	1,214.62	11	870.53	11	513.46	11	156.16	11		11		11		11	
1/4	1,920.11	1/4	1,564.09	1/4	1,207.44	1/4	863.10	1/4	506.02	1/4	148.72	1/4		1/4		1/4		1/4	
1/2	1,912.67	1/2	1,556.67	1/2	1,200.27	1/2	855.68	1/2	498.57	1/2	141.28	1/2		1/2		1/2		1/2	
3/4	1,905.23	3/4	1,549.26	3/4	1,193.09	3/4	848.26	3/4	491.13	3/4	133.83	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/30/2012 CL - SW
CALCULATED: 03/31/2012 CL
PRINTED: 03/31/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2012

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



BARGE "KIRBY 28185"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	4,377.32	0	4,134.46	0	3,886.32	0	3,626.19	0	3,354.43	0	2,996.57	0	2,638.70
1/4		1/4		1/4		1/4	4,373.14	1/4	4,129.41	1/4	3,881.02	1/4	3,620.63	1/4	3,349.98	1/4	2,991.11	1/4	2,631.25
1/2		1/2		1/2		1/2	4,368.96	1/2	4,124.36	1/2	3,875.71	1/2	3,615.08	1/2	3,339.52	1/2	2,981.66	1/2	2,623.79
3/4		3/4		3/4		3/4	4,364.79	3/4	4,119.31	3/4	3,870.41	3/4	3,609.52	3/4	3,332.06	3/4	2,974.20	3/4	2,616.34
1		1		1		1	4,360.61	1	4,114.25	1	3,865.11	1	3,603.96	1	3,324.61	1	2,966.74	1	2,608.88
1/4		1/4		1/4		1/4	4,355.23	1/4	4,109.18	1/4	3,859.78	1/4	3,598.38	1/4	3,317.15	1/4	2,959.29	1/4	2,601.43
1/2		1/2		1/2		1/2	4,349.85	1/2	4,104.10	1/2	3,854.46	1/2	3,592.81	1/2	3,309.70	1/2	2,951.83	1/2	2,593.97
3/4		3/4		3/4		3/4	4,344.47	3/4	4,099.03	3/4	3,849.13	3/4	3,587.23	3/4	3,302.24	3/4	2,944.38	3/4	2,586.51
2		2		2		2	4,339.08	2	4,093.95	2	3,843.81	2	3,581.65	2	3,294.79	2	2,936.92	2	2,579.06
1/4		1/4		1/4		1/4	4,333.35	1/4	4,088.86	1/4	3,838.46	1/4	3,576.06	1/4	3,287.33	1/4	2,929.47	1/4	2,571.60
1/2		1/2		1/2		1/2	4,327.62	1/2	4,083.76	1/2	3,833.12	1/2	3,570.47	1/2	3,279.88	1/2	2,922.01	1/2	2,564.15
3/4		3/4		3/4		3/4	4,321.89	3/4	4,078.67	3/4	3,827.77	3/4	3,564.87	3/4	3,272.42	3/4	2,914.56	3/4	2,556.69
3		3		3		3	4,316.16	3	4,073.57	3	3,822.42	3	3,559.28	3	3,264.96	3	2,907.10	3	2,549.24
1/4		1/4		1/4		1/4	4,310.43	1/4	4,068.46	1/4	3,817.06	1/4	3,553.66	1/4	3,257.51	1/4	2,899.65	1/4	2,541.78
1/2		1/2		1/2		1/2	4,304.70	1/2	4,063.34	1/2	3,811.69	1/2	3,548.04	1/2	3,250.05	1/2	2,892.19	1/2	2,534.33
3/4		3/4		3/4		3/4	4,298.97	3/4	4,058.22	3/4	3,806.33	3/4	3,542.42	3/4	3,242.60	3/4	2,884.73	3/4	2,526.87
4		4		4		4	4,293.24	4	4,053.10	4	3,800.96	4	3,536.81	4	3,235.14	4	2,877.28	4	2,519.41
1/4		1/4		1/4		1/4	4,288.35	1/4	4,047.97	1/4	3,795.57	1/4	3,531.17	1/4	3,227.69	1/4	2,869.82	1/4	2,511.96
1/2		1/2		1/2		1/2	4,283.46	1/2	4,042.83	1/2	3,790.18	1/2	3,525.53	1/2	3,220.23	1/2	2,862.37	1/2	2,504.50
3/4		3/4		3/4		3/4	4,278.58	3/4	4,037.69	3/4	3,784.80	3/4	3,519.90	3/4	3,212.78	3/4	2,854.91	3/4	2,497.05
5		5		5		5	4,273.69	5	4,032.56	5	3,779.41	5	3,514.26	5	3,205.32	5	2,847.46	5	2,489.59
1/4		1/4		1/4		1/4	4,268.78	1/4	4,027.40	1/4	3,774.00	1/4	3,508.60	1/4	3,197.87	1/4	2,840.00	1/4	2,482.14
1/2		1/2		1/2		1/2	4,263.87	1/2	4,022.24	1/2	3,768.59	1/2	3,502.94	1/2	3,190.41	1/2	2,832.55	1/2	2,474.68
3/4		3/4		3/4		3/4	4,258.96	3/4	4,017.08	3/4	3,763.18	3/4	3,497.28	3/4	3,182.95	3/4	2,825.09	3/4	2,467.23
6		6		6		6	4,254.06	6	4,011.92	6	3,757.78	6	3,491.62	6	3,175.50	6	2,817.63	6	2,459.77
1/4		1/4		1/4		1/4	4,249.12	1/4	4,006.74	1/4	3,752.35	1/4	3,485.94	1/4	3,168.04	1/4	2,810.18	1/4	2,452.32
1/2		1/2		1/2		1/2	4,244.19	1/2	4,001.56	1/2	3,746.91	1/2	3,480.26	1/2	3,160.59	1/2	2,802.72	1/2	2,444.86
3/4		3/4		3/4		3/4	4,239.26	3/4	3,996.38	3/4	3,741.48	3/4	3,474.58	3/4	3,153.13	3/4	2,795.27	3/4	2,437.40
7		7		7		7	4,234.33	7	3,991.20	7	3,736.05	7	3,468.90	7	3,145.68	7	2,787.81	7	2,429.95
1/4		1/4		1/4		1/4	4,229.38	1/4	3,986.00	1/4	3,730.60	1/4	3,463.20	1/4	3,138.22	1/4	2,780.36	1/4	2,422.49
1/2		1/2		1/2		1/2	4,224.43	1/2	3,980.80	1/2	3,725.15	1/2	3,457.50	1/2	3,130.77	1/2	2,772.90	1/2	2,415.04
3/4		3/4		3/4		3/4	4,219.48	3/4	3,975.59	3/4	3,719.70	3/4	3,451.80	3/4	3,123.31	3/4	2,765.45	3/4	2,407.58
8		8		8		8	4,214.53	8	3,970.39	8	3,714.25	8	3,446.10	8	3,115.85	8	2,757.99	8	2,400.13
1/4		1/4		1/4		1/4	4,209.56	1/4	3,965.17	1/4	3,708.78	1/4	3,440.38	1/4	3,108.40	1/4	2,750.54	1/4	2,392.67
1/2		1/2		1/2		1/2	4,204.58	1/2	3,959.95	1/2	3,703.31	1/2	3,434.66	1/2	3,100.94	1/2	2,743.08	1/2	2,385.22
3/4		3/4		3/4		3/4	4,199.61	3/4	3,954.73	3/4	3,697.83	3/4	3,428.93	3/4	3,093.49	3/4	2,735.62	3/4	2,377.76
9		9		9		9	4,194.63	9	3,949.51	9	3,692.36	9	3,423.21	9	3,086.03	9	2,728.17	9	2,370.30
1/4		1/4		1/4		1/4	4,189.64	1/4	3,944.26	1/4	3,686.87	1/4	3,417.48	1/4	3,078.58	1/4	2,720.71	1/4	2,362.85
1/2		1/2		1/2		1/2	4,184.65	1/2	3,939.02	1/2	3,681.38	1/2	3,411.75	1/2	3,071.12	1/2	2,713.26	1/2	2,355.39
3/4		3/4		3/4		3/4	4,179.66	3/4	3,933.77	3/4	3,675.89	3/4	3,406.02	3/4	3,063.67	3/4	2,705.80	3/4	2,347.94
10		10		10		10	4,174.67	10	3,928.53	10	3,670.39	10	3,400.29	10	3,056.21	10	2,698.35	10	2,340.48
1/4		1/4		1/4		1/4	4,169.65	1/4	3,923.26	1/4	3,664.88	1/4	3,394.55	1/4	3,048.76	1/4	2,690.89	1/4	2,333.03
1/2		1/2		1/2		1/2	4,164.63	1/2	3,918.00	1/2	3,659.36	1/2	3,388.82	1/2	3,041.30	1/2	2,683.44	1/2	2,325.57
3/4		3/4		3/4		3/4	4,159.61	3/4	3,912.74	3/4	3,653.84	3/4	3,383.09	3/4	3,033.84	3/4	2,675.98	3/4	2,318.12
11		11		11		11	4,395.96	11	4,154.60	11	3,907.48	11	3,648.33	11	3,377.36	11	2,668.52	11	2,310.66
1/4		1/4		1/4		1/4	4,391.30	1/4	4,149.56	1/4	3,902.19	1/4	3,642.79	1/4	3,371.63	1/4	2,661.07	1/4	2,303.21
1/2		1/2		1/2		1/2	4,386.64	1/2	4,144.53	1/2	3,896.90	1/2	3,637.26	1/2	3,365.89	1/2	2,653.61	1/2	2,295.75
3/4		3/4		3/4		3/4	4,381.98	3/4	4,139.50	3/4	3,891.61	3/4	3,631.73	3/4	3,360.16	3/4	2,646.16	3/4	2,288.29

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 51'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 28185"

3 STBD ULLAGE TABLE

GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	2,280.84	0	1,922.97	0	1,565.11	0	1,207.25	0	849.67	0	491.91	0	134.05	0		0			
1/4	2,273.38	1/4	1,915.52	1/4	1,557.66	1/4	1,199.79	1/4	842.22	1/4	484.45	1/4	126.60	1/4		1/4			1/4
1/2	2,265.93	1/2	1,908.06	1/2	1,550.20	1/2	1,192.34	1/2	834.78	1/2	477.00	1/2	119.14	1/2		1/2			1/2
3/4	2,258.47	3/4	1,900.61	3/4	1,542.74	3/4	1,184.88	3/4	827.34	3/4	469.54	3/4	111.69	3/4		3/4			3/4
1	2,251.02	1	1,893.15	1	1,535.29	1	1,177.42	1	819.89	1	462.09	1	104.23	1		1			1
1/4	2,243.56	1/4	1,885.70	1/4	1,527.83	1/4	1,169.97	1/4	812.45	1/4	454.63	1/4	97.09	1/4		1/4			1/4
1/2	2,236.11	1/2	1,878.24	1/2	1,520.38	1/2	1,162.51	1/2	805.01	1/2	447.18	1/2	89.95	1/2		1/2			1/2
3/4	2,228.65	3/4	1,870.79	3/4	1,512.92	3/4	1,155.06	3/4	797.56	3/4	439.72	3/4	82.81	3/4		3/4			3/4
2	2,221.19	2	1,863.33	2	1,505.47	2	1,147.60	2	790.12	2	432.26	2	75.67	2		2			2
1/4	2,213.74	1/4	1,855.88	1/4	1,498.01	1/4	1,140.15	1/4	782.66	1/4	424.81	1/4	69.47	1/4		1/4			1/4
1/2	2,206.28	1/2	1,848.42	1/2	1,490.56	1/2	1,132.69	1/2	775.21	1/2	417.35	1/2	63.28	1/2		1/2			1/2
3/4	2,198.83	3/4	1,840.96	3/4	1,483.10	3/4	1,125.24	3/4	767.75	3/4	409.90	3/4	57.08	3/4		3/4			3/4
3	2,191.37	3	1,833.51	3	1,475.64	3	1,117.78	3	760.30	3	402.44	3	50.88	3		3			3
1/4	2,183.92	1/4	1,826.05	1/4	1,468.19	1/4	1,110.33	1/4	752.84	1/4	394.99	1/4	45.93	1/4		1/4			1/4
1/2	2,176.46	1/2	1,818.60	1/2	1,460.73	1/2	1,102.87	1/2	745.39	1/2	387.53	1/2	40.99	1/2		1/2			1/2
3/4	2,169.01	3/4	1,811.14	3/4	1,453.28	3/4	1,095.41	3/4	737.93	3/4	380.08	3/4	36.05	3/4		3/4			3/4
4	2,161.55	4	1,803.69	4	1,445.82	4	1,087.96	4	730.48	4	372.62	4	31.11	4		4			4
1/4	2,154.10	1/4	1,796.23	1/4	1,438.37	1/4	1,080.50	1/4	723.02	1/4	365.17	1/4	27.43	1/4		1/4			1/4
1/2	2,146.64	1/2	1,788.78	1/2	1,430.91	1/2	1,073.05	1/2	715.57	1/2	357.71	1/2	23.76	1/2		1/2			1/2
3/4	2,139.18	3/4	1,781.32	3/4	1,423.46	3/4	1,065.59	3/4	708.11	3/4	350.26	3/4	20.08	3/4		3/4			3/4
5	2,131.73	5	1,773.86	5	1,416.00	5	1,058.14	5	700.66	5	342.80	5	16.40	5		5			5
1/4	2,124.27	1/4	1,766.41	1/4	1,408.55	1/4	1,050.68	1/4	693.20	1/4	335.35	1/4		1/4		1/4			1/4
1/2	2,116.82	1/2	1,758.95	1/2	1,401.09	1/2	1,043.23	1/2	685.75	1/2	327.89	1/2		1/2		1/2			1/2
3/4	2,109.36	3/4	1,751.50	3/4	1,393.63	3/4	1,035.77	3/4	678.29	3/4	320.44	3/4		3/4		3/4			3/4
6	2,101.91	6	1,744.04	6	1,386.18	6	1,028.31	6	670.83	6	312.98	6		6		6			6
1/4	2,094.45	1/4	1,736.59	1/4	1,378.72	1/4	1,020.87	1/4	663.38	1/4	305.52	1/4		1/4		1/4			1/4
1/2	2,087.00	1/2	1,729.13	1/2	1,371.27	1/2	1,013.43	1/2	655.92	1/2	298.07	1/2		1/2		1/2			1/2
3/4	2,079.54	3/4	1,721.68	3/4	1,363.81	3/4	1,005.98	3/4	648.47	3/4	290.61	3/4		3/4		3/4			3/4
7	2,072.08	7	1,714.22	7	1,356.36	7	998.54	7	641.01	7	283.16	7		7		7			7
1/4	2,064.63	1/4	1,706.77	1/4	1,348.90	1/4	991.10	1/4	633.56	1/4	275.70	1/4		1/4		1/4			1/4
1/2	2,057.17	1/2	1,699.31	1/2	1,341.45	1/2	983.65	1/2	626.10	1/2	268.25	1/2		1/2		1/2			1/2
3/4	2,049.72	3/4	1,691.85	3/4	1,333.99	3/4	976.21	3/4	618.65	3/4	260.79	3/4		3/4		3/4			3/4
8	2,042.26	8	1,684.40	8	1,326.53	8	968.77	8	611.19	8	253.34	8		8		8			8
1/4	2,034.81	1/4	1,676.94	1/4	1,319.08	1/4	961.32	1/4	603.74	1/4	245.88	1/4		1/4		1/4			1/4
1/2	2,027.35	1/2	1,669.49	1/2	1,311.62	1/2	953.88	1/2	596.28	1/2	238.43	1/2		1/2		1/2			1/2
3/4	2,019.90	3/4	1,662.03	3/4	1,304.17	3/4	946.43	3/4	588.83	3/4	230.97	3/4		3/4		3/4			3/4
9	2,012.44	9	1,654.58	9	1,296.71	9	938.99	9	581.37	9	223.52	9		9		9			9
1/4	2,004.99	1/4	1,647.12	1/4	1,289.26	1/4	931.55	1/4	573.92	1/4	216.06	1/4		1/4		1/4			1/4
1/2	1,997.53	1/2	1,639.67	1/2	1,281.80	1/2	924.10	1/2	566.46	1/2	208.61	1/2		1/2		1/2			1/2
3/4	1,990.07	3/4	1,632.21	3/4	1,274.35	3/4	916.66	3/4	559.01	3/4	201.15	3/4		3/4		3/4			3/4
10	1,982.62	10	1,624.75	10	1,266.89	10	909.22	10	551.55	10	193.70	10		10		10			10
1/4	1,975.16	1/4	1,617.30	1/4	1,259.44	1/4	901.77	1/4	544.09	1/4	186.24	1/4		1/4		1/4			1/4
1/2	1,967.71	1/2	1,609.84	1/2	1,251.98	1/2	894.33	1/2	536.64	1/2	178.78	1/2		1/2		1/2			1/2
3/4	1,960.25	3/4	1,602.39	3/4	1,244.52	3/4	886.89	3/4	529.18	3/4	171.33	3/4		3/4		3/4			3/4
11	1,952.80	11	1,594.93	11	1,237.07	11	879.44	11	521.73	11	163.87	11		11		11			11
1/4	1,945.34	1/4	1,587.48	1/4	1,229.61	1/4	872.00	1/4	514.27	1/4	156.42	1/4		1/4		1/4			1/4
1/2	1,937.89	1/2	1,580.02	1/2	1,222.16	1/2	864.56	1/2	506.82	1/2	148.96	1/2		1/2		1/2			1/2
3/4	1,930.43	3/4	1,572.57	3/4	1,214.70	3/4	857.11	3/4	499.36	3/4	141.51	3/4		3/4		3/4			3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/30/2012 CL - SW
CALCULATED: 03/31/2012 CL
PRINTED: 03/31/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2012

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