



BARGE "KIRBY 29128"

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

(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"

January 8, 2015

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29128"

1 PORT 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		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0		0		0		0		0		0	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1		1		1		1		1		1		1		1		1		1	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2		2		2		2		2		2		2		2		2		2	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3		3		3		3		3		3		3		3		3		3	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4		4		4		4		4		4		4		4		4		4	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5		5		5		5		5		5		5		5		5		5	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6		6		6		6		6		6		6		6		6		6	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7		7		7		7		7		7		7		7		7		7	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8		8		8		8		8		8		8		8		8		8	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9		9		9		9		9		9		9		9		9		9	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10		10		10		10		10		10		10		10		10		10	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11		11		11		11		11		11		11		11		11		11	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 52'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
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BARGE "KIRBY 29128"

1 PORT 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	2,432.13	0	2,054.53	0	1,676.92	0	1,300.60	0	923.86	0	546.28	0	195.87	0		0		0	
1/4	2,424.27	1/4	2,046.66	1/4	1,669.05	1/4	1,292.79	1/4	916.00	1/4	538.42	1/4	189.25	1/4		1/4		1/4	
1/2	2,416.40	1/2	2,038.79	1/2	1,661.19	1/2	1,284.97	1/2	908.13	1/2	530.57	1/2	182.62	1/2		1/2		1/2	
3/4	2,408.53	3/4	2,030.93	3/4	1,653.32	3/4	1,277.15	3/4	900.26	3/4	522.71	3/4	176.00	3/4		3/4		3/4	
1	2,400.67	1	2,023.06	1	1,645.45	1	1,269.33	1	892.40	1	514.90	1	169.49	1		1		1	
1/4	2,392.80	1/4	2,015.19	1/4	1,637.59	1/4	1,261.52	1/4	884.53	1/4	507.09	1/4	162.98	1/4		1/4		1/4	
1/2	2,384.93	1/2	2,007.33	1/2	1,629.72	1/2	1,253.70	1/2	876.66	1/2	499.28	1/2	156.47	1/2		1/2		1/2	
3/4	2,377.07	3/4	1,999.46	3/4	1,621.85	3/4	1,245.88	3/4	868.80	3/4	491.47	3/4	149.95	3/4		3/4		3/4	
2	2,369.20	2	1,991.59	2	1,613.99	2	1,238.06	2	860.93	2	483.76	2	143.56	2		2		2	
1/4	2,361.33	1/4	1,983.73	1/4	1,606.12	1/4	1,230.25	1/4	853.07	1/4	476.04	1/4	137.16	1/4		1/4		1/4	
1/2	2,353.47	1/2	1,975.86	1/2	1,598.25	1/2	1,222.43	1/2	845.20	1/2	468.33	1/2	130.77	1/2		1/2		1/2	
3/4	2,345.60	3/4	1,967.99	3/4	1,590.39	3/4	1,214.61	3/4	837.33	3/4	460.61	3/4	124.37	3/4		3/4		3/4	
3	2,337.73	3	1,960.13	3	1,582.52	3	1,206.79	3	829.47	3	453.00	3	118.09	3		3		3	
1/4	2,329.87	1/4	1,952.26	1/4	1,574.65	1/4	1,198.98	1/4	821.60	1/4	445.39	1/4	111.82	1/4		1/4		1/4	
1/2	2,322.00	1/2	1,944.39	1/2	1,566.79	1/2	1,191.16	1/2	813.73	1/2	437.79	1/2	105.54	1/2		1/2		1/2	
3/4	2,314.13	3/4	1,936.53	3/4	1,558.92	3/4	1,183.34	3/4	805.87	3/4	430.18	3/4	99.27	3/4		3/4		3/4	
4	2,306.27	4	1,928.66	4	1,551.06	4	1,175.50	4	798.00	4	422.68	4	93.12	4		4		4	
1/4	2,298.40	1/4	1,920.79	1/4	1,543.21	1/4	1,167.67	1/4	790.13	1/4	415.19	1/4	86.98	1/4		1/4		1/4	
1/2	2,290.53	1/2	1,912.93	1/2	1,535.35	1/2	1,159.83	1/2	782.27	1/2	407.69	1/2	80.83	1/2		1/2		1/2	
3/4	2,282.67	3/4	1,905.06	3/4	1,527.50	3/4	1,152.00	3/4	774.40	3/4	400.19	3/4	74.68	3/4		3/4		3/4	
5	2,274.80	5	1,897.19	5	1,519.66	5	1,144.13	5	766.53	5	392.80	5	68.68	5		5		5	
1/4	2,266.93	1/4	1,889.33	1/4	1,511.82	1/4	1,136.26	1/4	758.67	1/4	385.41	1/4	62.68	1/4		1/4		1/4	
1/2	2,259.06	1/2	1,881.46	1/2	1,503.98	1/2	1,128.40	1/2	750.80	1/2	378.02	1/2	56.67	1/2		1/2		1/2	
3/4	2,251.20	3/4	1,873.59	3/4	1,496.15	3/4	1,120.53	3/4	742.93	3/4	370.64	3/4	50.67	3/4		3/4		3/4	
6	2,243.33	6	1,865.72	6	1,488.31	6	1,112.66	6	735.07	6	363.36	6	45.25	6		6		6	
1/4	2,235.46	1/4	1,857.86	1/4	1,480.48	1/4	1,104.80	1/4	727.20	1/4	356.08	1/4	39.84	1/4		1/4		1/4	
1/2	2,227.60	1/2	1,849.99	1/2	1,472.65	1/2	1,096.93	1/2	719.33	1/2	348.80	1/2	34.43	1/2		1/2		1/2	
3/4	2,219.73	3/4	1,842.12	3/4	1,464.82	3/4	1,089.06	3/4	711.47	3/4	341.52	3/4	29.02	3/4		3/4		3/4	
7	2,211.86	7	1,834.26	7	1,456.99	7	1,081.20	7	703.60	7	334.35	7	25.06	7		7		7	
1/4	2,204.00	1/4	1,826.39	1/4	1,449.17	1/4	1,073.33	1/4	695.73	1/4	327.18	1/4	21.10	1/4		1/4		1/4	
1/2	2,196.13	1/2	1,818.52	1/2	1,441.34	1/2	1,065.46	1/2	687.87	1/2	320.01	1/2	17.14	1/2		1/2		1/2	
3/4	2,188.26	3/4	1,810.66	3/4	1,433.52	3/4	1,057.60	3/4	680.00	3/4	312.84	3/4	13.18	3/4		3/4		3/4	
8	2,180.40	8	1,802.79	8	1,425.70	8	1,049.73	8	672.13	8	305.78	8		8		8		8	
1/4	2,172.53	1/4	1,794.92	1/4	1,417.87	1/4	1,041.86	1/4	664.27	1/4	298.72	1/4		1/4		1/4		1/4	
1/2	2,164.66	1/2	1,787.06	1/2	1,410.05	1/2	1,034.00	1/2	656.40	1/2	291.66	1/2		1/2		1/2		1/2	
3/4	2,156.80	3/4	1,779.19	3/4	1,402.23	3/4	1,026.13	3/4	648.53	3/4	284.60	3/4		3/4		3/4		3/4	
9	2,148.93	9	1,771.32	9	1,394.41	9	1,018.26	9	640.67	9	277.65	9		9		9		9	
1/4	2,141.06	1/4	1,763.46	1/4	1,386.60	1/4	1,010.40	1/4	632.80	1/4	270.70	1/4		1/4		1/4		1/4	
1/2	2,133.20	1/2	1,755.59	1/2	1,378.78	1/2	1,002.53	1/2	624.93	1/2	263.74	1/2		1/2		1/2		1/2	
3/4	2,125.33	3/4	1,747.72	3/4	1,370.96	3/4	994.66	3/4	617.07	3/4	256.79	3/4		3/4		3/4		3/4	
10	2,117.46	10	1,739.86	10	1,363.14	10	986.80	10	609.20	10	249.95	10		10		10		10	
1/4	2,109.60	1/4	1,731.99	1/4	1,355.33	1/4	978.93	1/4	601.33	1/4	243.11	1/4		1/4		1/4		1/4	
1/2	2,101.73	1/2	1,724.12	1/2	1,347.51	1/2	971.06	1/2	593.47	1/2	236.27	1/2		1/2		1/2		1/2	
3/4	2,093.86	3/4	1,716.26	3/4	1,339.69	3/4	963.20	3/4	585.60	3/4	229.42	3/4		3/4		3/4		3/4	
11	2,086.00	11	1,708.39	11	1,331.87	11	955.33	11	577.73	11	222.69	11		11		11		11	
1/4	2,078.13	1/4	1,700.52	1/4	1,324.06	1/4	947.46	1/4	569.87	1/4	215.96	1/4		1/4		1/4		1/4	
1/2	2,070.26	1/2	1,692.66	1/2	1,316.24	1/2	939.60	1/2	562.00	1/2	209.23	1/2		1/2		1/2		1/2	
3/4	2,062.39	3/4	1,684.79	3/4	1,308.42	3/4	931.73	3/4	554.13	3/4	202.49	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/07/2015 CL
CALCULATED: 01/08/2015 CL
PRINTED: 01/08/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 29128"

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	2,435.04	0	2,057.26	0	1,679.47	0	1,301.69	0	924.18	0	546.53	0	195.96	0					
1/4	2,427.17	1/4	2,049.39	1/4	1,671.60	1/4	1,293.82	1/4	916.32	1/4	538.67	1/4	189.33	1/4					
1/2	2,419.30	1/2	2,041.52	1/2	1,663.73	1/2	1,285.95	1/2	908.46	1/2	530.81	1/2	182.71	1/2					
3/4	2,411.43	3/4	2,033.64	3/4	1,655.86	3/4	1,278.08	3/4	900.60	3/4	522.95	3/4	176.08	3/4					
1	2,403.56	1	2,025.77	1	1,647.99	1	1,270.21	1	892.74	1	515.14	1	169.57	1					
1/4	2,395.69	1/4	2,017.90	1/4	1,640.12	1/4	1,262.34	1/4	884.89	1/4	507.33	1/4	163.05	1/4					
1/2	2,387.82	1/2	2,010.03	1/2	1,632.25	1/2	1,254.47	1/2	877.03	1/2	499.51	1/2	156.54	1/2					
3/4	2,379.95	3/4	2,002.16	3/4	1,624.38	3/4	1,246.59	3/4	869.17	3/4	491.70	3/4	150.02	3/4					
2	2,372.08	2	1,994.29	2	1,616.51	2	1,238.72	2	861.31	2	483.98	2	143.62	2					
1/4	2,364.21	1/4	1,986.42	1/4	1,608.64	1/4	1,230.85	1/4	853.44	1/4	476.26	1/4	137.22	1/4					
1/2	2,356.34	1/2	1,978.55	1/2	1,600.77	1/2	1,222.98	1/2	845.58	1/2	468.54	1/2	130.83	1/2					
3/4	2,348.46	3/4	1,970.68	3/4	1,592.90	3/4	1,215.11	3/4	837.72	3/4	460.82	3/4	124.43	3/4					
3	2,340.59	3	1,962.81	3	1,585.03	3	1,207.24	3	829.85	3	453.21	3	118.15	3					
1/4	2,332.72	1/4	1,954.94	1/4	1,577.16	1/4	1,199.37	1/4	821.98	1/4	445.60	1/4	111.87	1/4					
1/2	2,324.85	1/2	1,947.07	1/2	1,569.29	1/2	1,191.50	1/2	814.11	1/2	437.99	1/2	105.59	1/2					
3/4	2,316.98	3/4	1,939.20	3/4	1,561.41	3/4	1,183.63	3/4	806.24	3/4	430.38	3/4	99.32	3/4					
4	2,309.11	4	1,931.33	4	1,553.54	4	1,175.76	4	798.37	4	422.88	4	93.17	4					
1/4	2,301.24	1/4	1,923.46	1/4	1,545.67	1/4	1,167.89	1/4	790.50	1/4	415.38	1/4	87.02	1/4					
1/2	2,293.37	1/2	1,915.59	1/2	1,537.80	1/2	1,160.02	1/2	782.63	1/2	407.88	1/2	80.87	1/2					
3/4	2,285.50	3/4	1,907.72	3/4	1,529.93	3/4	1,152.15	3/4	774.76	3/4	400.37	3/4	74.72	3/4					
5	2,277.63	5	1,899.85	5	1,522.06	5	1,144.28	5	766.89	5	392.98	5	68.71	5					
1/4	2,269.76	1/4	1,891.98	1/4	1,514.19	1/4	1,136.41	1/4	759.02	1/4	385.59	1/4	62.70	1/4					
1/2	2,261.89	1/2	1,884.11	1/2	1,506.32	1/2	1,128.54	1/2	751.15	1/2	378.20	1/2	56.70	1/2					
3/4	2,254.02	3/4	1,876.23	3/4	1,498.45	3/4	1,120.67	3/4	743.28	3/4	370.81	3/4	50.69	3/4					
6	2,246.15	6	1,868.36	6	1,490.58	6	1,112.80	6	735.41	6	363.52	6	45.27	6					
1/4	2,238.28	1/4	1,860.49	1/4	1,482.71	1/4	1,104.94	1/4	727.54	1/4	356.24	1/4	39.86	1/4					
1/2	2,230.41	1/2	1,852.62	1/2	1,474.84	1/2	1,097.07	1/2	719.67	1/2	348.96	1/2	34.45	1/2					
3/4	2,222.54	3/4	1,844.75	3/4	1,466.97	3/4	1,089.20	3/4	711.80	3/4	341.68	3/4	29.03	3/4					
7	2,214.67	7	1,836.88	7	1,459.10	7	1,081.35	7	703.93	7	334.50	7	25.07	7					
1/4	2,206.80	1/4	1,829.01	1/4	1,451.23	1/4	1,073.49	1/4	696.05	1/4	327.33	1/4	21.11	1/4					
1/2	2,198.93	1/2	1,821.14	1/2	1,443.36	1/2	1,065.63	1/2	688.18	1/2	320.16	1/2	17.14	1/2					
3/4	2,191.05	3/4	1,813.27	3/4	1,435.49	3/4	1,057.77	3/4	680.31	3/4	312.98	3/4	13.18	3/4					
8	2,183.18	8	1,805.40	8	1,427.62	8	1,049.91	8	672.44	8	305.92	8		8					
1/4	2,175.31	1/4	1,797.53	1/4	1,419.75	1/4	1,042.05	1/4	664.57	1/4	298.86	1/4		1/4					
1/2	2,167.44	1/2	1,789.66	1/2	1,411.88	1/2	1,034.20	1/2	656.70	1/2	291.79	1/2		1/2					
3/4	2,159.57	3/4	1,781.79	3/4	1,404.00	3/4	1,026.34	3/4	648.83	3/4	284.73	3/4		3/4					
9	2,151.70	9	1,773.92	9	1,396.13	9	1,018.48	9	640.96	9	277.77	9		9					
1/4	2,143.83	1/4	1,766.05	1/4	1,388.26	1/4	1,010.62	1/4	633.09	1/4	270.82	1/4		1/4					
1/2	2,135.96	1/2	1,758.18	1/2	1,380.39	1/2	1,002.76	1/2	625.22	1/2	263.87	1/2		1/2					
3/4	2,128.09	3/4	1,750.31	3/4	1,372.52	3/4	994.90	3/4	617.35	3/4	256.91	3/4		3/4					
10	2,120.22	10	1,742.44	10	1,364.65	10	987.05	10	609.48	10	250.07	10		10					
1/4	2,112.35	1/4	1,734.57	1/4	1,356.78	1/4	979.19	1/4	601.61	1/4	243.22	1/4		1/4					
1/2	2,104.48	1/2	1,726.70	1/2	1,348.91	1/2	971.33	1/2	593.74	1/2	236.38	1/2		1/2					
3/4	2,096.61	3/4	1,718.82	3/4	1,341.04	3/4	963.47	3/4	585.87	3/4	229.53	3/4		3/4					
11	2,088.74	11	1,710.95	11	1,333.17	11	955.61	11	578.00	11	222.79	11		11					
1/4	2,080.87	1/4	1,703.08	1/4	1,325.30	1/4	947.75	1/4	570.13	1/4	216.06	1/4		1/4					
1/2	2,073.00	1/2	1,695.21	1/2	1,317.43	1/2	939.90	1/2	562.26	1/2	209.32	1/2		1/2					
3/4	2,065.13	3/4	1,687.34	3/4	1,309.56	3/4	932.04	3/4	554.39	3/4	202.59	3/4		3/4					

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/07/2015 CL
CALCULATED: 01/08/2015 CL
PRINTED: 01/08/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2015

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



BARGE "KIRBY 29128"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	2,364.02	1/4	1,997.67	1/4	1,638.81	1/4	1,288.85	1/4	944.20	1/4	586.70	1/4	227.85	1/4		1/4		1/4	
1/2	2,349.06	1/2	1,990.20	1/2	1,631.33	1/2	1,281.65	1/2	937.03	1/2	579.23	1/2	220.37	1/2		1/2		1/2	
3/4	2,341.59	3/4	1,982.72	3/4	1,623.85	3/4	1,274.46	3/4	929.85	3/4	571.75	3/4	212.90	3/4		3/4		3/4	
1	2,334.11	1	1,975.24	1	1,616.38	1	1,267.26	1	922.56	1	564.28	1	205.42	1		1		1	
1/4	2,326.63	1/4	1,967.77	1/4	1,608.90	1/4	1,260.07	1/4	915.28	1/4	556.80	1/4	197.95	1/4		1/4		1/4	
1/2	2,319.16	1/2	1,960.29	1/2	1,601.42	1/2	1,252.88	1/2	907.99	1/2	549.32	1/2	190.47	1/2		1/2		1/2	
3/4	2,311.68	3/4	1,952.81	3/4	1,593.95	3/4	1,245.68	3/4	900.70	3/4	541.85	3/4	183.00	3/4		3/4		3/4	
2	2,304.21	2	1,945.34	2	1,586.47	2	1,238.49	2	893.23	2	534.37	2	175.53	2		2		2	
1/4	2,296.73	1/4	1,937.86	1/4	1,578.99	1/4	1,231.30	1/4	885.75	1/4	526.89	1/4	168.06	1/4		1/4		1/4	
1/2	2,289.25	1/2	1,930.39	1/2	1,571.52	1/2	1,224.10	1/2	878.28	1/2	519.42	1/2	160.60	1/2		1/2		1/2	
3/4	2,281.78	3/4	1,922.91	3/4	1,564.04	3/4	1,216.91	3/4	870.80	3/4	511.94	3/4	153.13	3/4		3/4		3/4	
3	2,274.30	3	1,915.43	3	1,556.57	3	1,209.72	3	863.32	3	504.47	3	145.67	3		3		3	
1/4	2,266.82	1/4	1,907.96	1/4	1,549.09	1/4	1,202.53	1/4	855.85	1/4	496.99	1/4	138.22	1/4		1/4		1/4	
1/2	2,259.35	1/2	1,900.48	1/2	1,541.61	1/2	1,195.34	1/2	848.37	1/2	489.51	1/2	130.76	1/2		1/2		1/2	
3/4	2,251.87	3/4	1,893.00	3/4	1,534.14	3/4	1,188.15	3/4	840.90	3/4	482.04	3/4	123.30	3/4		3/4		3/4	
4	2,244.39	4	1,885.53	4	1,526.77	4	1,180.97	4	833.42	4	474.56	4	115.86	4		4		4	
1/4	2,236.92	1/4	1,878.05	1/4	1,519.39	1/4	1,173.79	1/4	825.94	1/4	467.09	1/4	108.43	1/4		1/4		1/4	
1/2	2,229.44	1/2	1,870.57	1/2	1,512.02	1/2	1,166.61	1/2	818.47	1/2	459.61	1/2	100.99	1/2		1/2		1/2	
3/4	2,221.96	3/4	1,863.10	3/4	1,504.65	3/4	1,159.43	3/4	810.99	3/4	452.13	3/4	93.55	3/4		3/4		3/4	
5	2,214.49	5	1,855.62	5	1,497.46	5	1,152.25	5	803.51	5	444.66	5	86.14	5		5		5	
1/4	2,207.01	1/4	1,848.14	1/4	1,490.27	1/4	1,145.07	1/4	796.04	1/4	437.18	1/4	78.73	1/4		1/4		1/4	
1/2	2,199.54	1/2	1,840.67	1/2	1,483.07	1/2	1,137.89	1/2	788.56	1/2	429.70	1/2	71.33	1/2		1/2		1/2	
3/4	2,192.06	3/4	1,833.19	3/4	1,475.88	3/4	1,130.72	3/4	781.09	3/4	422.23	3/4	63.92	3/4		3/4		3/4	
6	2,184.58	6	1,825.72	6	1,468.69	6	1,123.54	6	773.61	6	414.75	6	56.97	6		6		6	
1/4	2,177.11	1/4	1,818.24	1/4	1,461.49	1/4	1,116.37	1/4	766.13	1/4	407.28	1/4	50.02	1/4		1/4		1/4	
1/2	2,169.63	1/2	1,810.76	1/2	1,454.30	1/2	1,109.19	1/2	758.66	1/2	399.80	1/2	43.07	1/2		1/2		1/2	
3/4	2,162.15	3/4	1,803.29	3/4	1,447.10	3/4	1,102.02	3/4	751.18	3/4	392.32	3/4	36.13	3/4		3/4		3/4	
7	2,154.68	7	1,795.81	7	1,439.91	7	1,094.85	7	743.70	7	384.85	7	30.83	7		7		7	
1/4	2,147.20	1/4	1,788.33	1/4	1,432.72	1/4	1,087.67	1/4	736.23	1/4	377.37	1/4	25.54	1/4		1/4		1/4	
1/2	2,139.72	1/2	1,780.86	1/2	1,425.52	1/2	1,080.50	1/2	728.75	1/2	369.89	1/2	20.25	1/2		1/2		1/2	
3/4	2,132.25	3/4	1,773.38	3/4	1,418.33	3/4	1,073.33	3/4	721.28	3/4	362.42	3/4	14.95	3/4		3/4		3/4	
8	2,124.77	8	1,765.90	8	1,411.14	8	1,066.15	8	713.80	8	354.94	8		8		8		8	
1/4	2,117.30	1/4	1,758.43	1/4	1,403.94	1/4	1,058.98	1/4	706.32	1/4	347.47	1/4		1/4		1/4		1/4	
1/2	2,109.82	1/2	1,750.95	1/2	1,396.75	1/2	1,051.80	1/2	698.85	1/2	339.99	1/2		1/2		1/2		1/2	
3/4	2,102.34	3/4	1,743.48	3/4	1,389.56	3/4	1,044.63	3/4	691.37	3/4	332.51	3/4		3/4		3/4		3/4	
9	2,094.87	9	1,736.00	9	1,382.36	9	1,037.46	9	683.89	9	325.04	9		9		9		9	
1/4	2,087.39	1/4	1,728.52	1/4	1,375.17	1/4	1,030.28	1/4	676.42	1/4	317.56	1/4		1/4		1/4		1/4	
1/2	2,079.91	1/2	1,721.05	1/2	1,367.98	1/2	1,023.11	1/2	668.94	1/2	310.08	1/2		1/2		1/2		1/2	
3/4	2,072.44	3/4	1,713.57	3/4	1,360.78	3/4	1,015.94	3/4	661.47	3/4	302.61	3/4		3/4		3/4		3/4	
10	2,064.96	10	1,706.09	10	1,353.59	10	1,008.76	10	653.99	10	295.13	10		10		10		10	
1/4	2,057.48	1/4	1,698.62	1/4	1,346.39	1/4	1,001.59	1/4	646.51	1/4	287.66	1/4		1/4		1/4		1/4	
1/2	2,050.01	1/2	1,691.14	1/2	1,339.20	1/2	994.41	1/2	639.04	1/2	280.18	1/2		1/2		1/2		1/2	
3/4	2,042.53	3/4	1,683.66	3/4	1,332.01	3/4	987.24	3/4	631.56	3/4	272.70	3/4		3/4		3/4		3/4	
11	2,035.05	11	1,676.19	11	1,324.81	11	980.07	11	624.09	11	265.23	11		11		11		11	
1/4	2,027.58	1/4	1,668.71	1/4	1,317.62	1/4	972.89	1/4	616.61	1/4	257.75	1/4		1/4		1/4		1/4	
1/2	2,020.10	1/2	1,661.23	1/2	1,310.43	1/2	965.72	1/2	609.13	1/2	250.28	1/2		1/2		1/2		1/2	
3/4	2,012.63	3/4	1,653.76	3/4	1,303.23	3/4	958.55	3/4	601.66	3/4	242.80	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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ALL PRIOR TO 01/2015

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



BARGE "KIRBY 29128"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
0	0	0	0	0	0	0	0	4,482.56	0	4,160.01	0	3,822.32	0	3,469.87	0	3,112.61	0	2,753.82	
1/4		1/4		1/4		1/4		4,475.99	1/4	4,153.11	1/4	3,815.12	1/4	3,462.43	1/4	3,105.13	1/4	2,746.35	
1/2		1/2		1/2		1/2	4,786.18	4,469.41	1/2	4,146.22	1/2	3,807.91	1/2	3,454.98	1/2	3,097.66	1/2	2,738.87	
3/4		3/4		3/4		3/4	4,781.07	4,462.84	3/4	4,139.33	3/4	3,800.70	3/4	3,447.54	3/4	3,090.18	3/4	2,731.40	
1	1	1	1	1	1	1	4,775.96	4,456.26	1	4,132.43	1	3,793.50	1	3,440.10	1	3,082.71	1	2,723.92	
1/4		1/4		1/4		1/4	4,769.63	4,449.66	1/4	4,125.52	1/4	3,786.26	1/4	3,432.66	1/4	3,075.23	1/4	2,716.45	
1/2		1/2		1/2		1/2	4,763.29	4,443.06	1/2	4,118.60	1/2	3,779.03	1/2	3,425.21	1/2	3,067.76	1/2	2,708.97	
3/4		3/4		3/4		3/4	4,756.95	4,436.46	3/4	4,111.68	3/4	3,771.79	3/4	3,417.77	3/4	3,060.28	3/4	2,701.50	
2	2	2	2	2	2	2	4,750.62	4,429.86	2	4,104.77	2	3,764.56	2	3,410.33	2	3,052.81	2	2,694.02	
1/4		1/4		1/4		1/4	4,743.39	4,423.24	1/4	4,097.83	1/4	3,757.30	1/4	3,402.89	1/4	3,045.33	1/4	2,686.55	
1/2		1/2		1/2		1/2	4,736.17	4,416.61	1/2	4,090.89	1/2	3,750.04	1/2	3,395.44	1/2	3,037.86	1/2	2,679.07	
3/4		3/4		3/4		3/4	4,728.95	4,409.98	3/4	4,083.94	3/4	3,742.78	3/4	3,388.00	3/4	3,030.38	3/4	2,671.60	
3	3	3	3	3	3	3	4,721.73	4,403.35	3	4,077.00	3	3,735.53	3	3,380.56	3	3,022.91	3	2,664.12	
1/4		1/4		1/4		1/4	4,714.28	4,396.70	1/4	4,070.03	1/4	3,728.24	1/4	3,373.12	1/4	3,015.43	1/4	2,656.65	
1/2		1/2		1/2		1/2	4,706.84	4,390.05	1/2	4,063.07	1/2	3,720.96	1/2	3,365.67	1/2	3,007.96	1/2	2,649.17	
3/4		3/4		3/4		3/4	4,699.40	4,383.40	3/4	4,056.10	3/4	3,713.68	3/4	3,358.23	3/4	3,000.49	3/4	2,641.70	
4	4	4	4	4	4	4	4,691.96	4,376.74	4	4,049.13	4	3,706.40	4	3,350.79	4	2,993.01	4	2,634.23	
1/4		1/4		1/4		1/4	4,684.91	4,370.06	1/4	4,042.13	1/4	3,699.09	1/4	3,343.35	1/4	2,985.54	1/4	2,626.75	
1/2		1/2		1/2		1/2	4,677.87	4,363.38	1/2	4,035.14	1/2	3,691.78	1/2	3,335.90	1/2	2,978.06	1/2	2,619.28	
3/4		3/4		3/4		3/4	4,670.82	4,356.70	3/4	4,028.15	3/4	3,684.47	3/4	3,328.46	3/4	2,970.59	3/4	2,611.80	
5	5	5	5	5	5	5	4,663.77	4,350.02	5	4,021.15	5	3,677.16	5	3,321.02	5	2,963.11	5	2,604.33	
1/4		1/4		1/4		1/4	4,657.38	4,343.32	1/4	4,014.13	1/4	3,669.82	1/4	3,313.58	1/4	2,955.64	1/4	2,596.85	
1/2		1/2		1/2		1/2	4,650.99	4,336.61	1/2	4,007.11	1/2	3,662.49	1/2	3,306.13	1/2	2,948.16	1/2	2,589.38	
3/4		3/4		3/4		3/4	4,644.60	4,329.90	3/4	4,000.09	3/4	3,655.15	3/4	3,298.69	3/4	2,940.69	3/4	2,581.90	
6	6	6	6	6	6	6	4,638.21	4,323.20	6	3,993.07	6	3,647.81	6	3,291.25	6	2,933.21	6	2,574.43	
1/4		1/4		1/4		1/4	4,631.79	4,316.47	1/4	3,986.02	1/4	3,640.45	1/4	3,283.81	1/4	2,925.74	1/4	2,566.95	
1/2		1/2		1/2		1/2	4,625.37	4,309.73	1/2	3,978.97	1/2	3,633.09	1/2	3,276.36	1/2	2,918.26	1/2	2,559.48	
3/4		3/4		3/4		3/4	4,618.95	4,303.00	3/4	3,971.92	3/4	3,625.72	3/4	3,268.92	3/4	2,910.79	3/4	2,552.00	
7	7	7	7	7	7	7	4,612.53	4,296.27	7	3,964.88	7	3,618.36	7	3,261.48	7	2,903.31	7	2,544.53	
1/4		1/4		1/4		1/4	4,606.09	4,289.51	1/4	3,957.80	1/4	3,610.97	1/4	3,254.04	1/4	2,895.84	1/4	2,537.05	
1/2		1/2		1/2		1/2	4,599.64	4,282.75	1/2	3,950.73	1/2	3,603.58	1/2	3,246.59	1/2	2,888.36	1/2	2,529.58	
3/4		3/4		3/4		3/4	4,593.20	4,275.99	3/4	3,943.65	3/4	3,596.20	3/4	3,239.15	3/4	2,880.89	3/4	2,522.10	
8	8	8	8	8	8	8	4,586.75	4,269.23	8	3,936.58	8	3,588.81	8	3,231.71	8	2,873.42	8	2,514.63	
1/4		1/4		1/4		1/4	4,580.28	4,262.44	1/4	3,929.48	1/4	3,581.39	1/4	3,224.27	1/4	2,865.94	1/4	2,507.16	
1/2		1/2		1/2		1/2	4,573.81	4,255.65	1/2	3,922.38	1/2	3,573.98	1/2	3,216.82	1/2	2,858.47	1/2	2,499.68	
3/4		3/4		3/4		3/4	4,567.34	4,248.87	3/4	3,915.28	3/4	3,566.56	3/4	3,209.38	3/4	2,850.99	3/4	2,492.21	
9	9	9	9	9	9	9	4,560.87	4,242.08	9	3,908.18	9	3,559.14	9	3,201.94	9	2,843.52	9	2,484.73	
1/4		1/4		1/4		1/4	4,554.37	4,235.27	1/4	3,901.05	1/4	3,551.71	1/4	3,194.50	1/4	2,836.04	1/4	2,477.26	
1/2		1/2		1/2		1/2	4,547.87	4,228.46	1/2	3,893.92	1/2	3,544.28	1/2	3,187.05	1/2	2,828.57	1/2	2,469.78	
3/4		3/4		3/4		3/4	4,541.37	4,221.64	3/4	3,886.79	3/4	3,536.84	3/4	3,179.61	3/4	2,821.09	3/4	2,462.31	
10	10	10	10	10	10	10	4,534.87	4,214.83	10	3,879.66	10	3,529.41	10	3,172.17	10	2,813.62	10	2,454.83	
1/4		1/4		1/4		1/4	4,528.35	4,207.99	1/4	3,872.51	1/4	3,521.97	1/4	3,164.73	1/4	2,806.14	1/4	2,447.36	
1/2		1/2		1/2		1/2	4,521.82	4,201.15	1/2	3,865.36	1/2	3,514.52	1/2	3,157.28	1/2	2,798.67	1/2	2,439.88	
3/4		3/4		3/4		3/4	4,515.30	4,194.31	3/4	3,858.20	3/4	3,507.08	3/4	3,149.84	3/4	2,791.19	3/4	2,432.41	
11	11	11	11	11	11	11	4,508.77	4,187.47	11	3,851.05	11	3,499.64	11	3,142.40	11	2,783.72	11	2,424.93	
1/4		1/4		1/4		1/4	4,502.22	4,180.60	1/4	3,843.87	1/4	3,492.20	1/4	3,134.95	1/4	2,776.24	1/4	2,417.46	
1/2		1/2		1/2		1/2	4,495.67	4,173.74	1/2	3,836.69	1/2	3,484.75	1/2	3,127.50	1/2	2,768.77	1/2	2,409.98	
3/4		3/4		3/4		3/4	4,489.11	4,166.87	3/4	3,829.50	3/4	3,477.31	3/4	3,120.05	3/4	2,761.29	3/4	2,402.51	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 52'-00" FORWARD OF AFT BULKHEAD

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





BARGE "KIRBY 29128"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,395.03	0	2,036.25	0	1,677.46	0	1,318.68	0	960.16	0	601.51	0	242.74	0		0		0	
1/4	2,387.56	1/4	2,028.77	1/4	1,669.99	1/4	1,311.20	1/4	952.69	1/4	594.04	1/4	235.27	1/4		1/4		1/4	
1/2	2,380.09	1/2	2,021.30	1/2	1,662.51	1/2	1,303.73	1/2	945.23	1/2	586.56	1/2	227.79	1/2		1/2		1/2	
3/4	2,372.61	3/4	2,013.82	3/4	1,655.04	3/4	1,296.25	3/4	937.77	3/4	579.09	3/4	220.32	3/4		3/4		3/4	
1	2,365.14	1	2,006.35	1	1,647.56	1	1,288.78	1	930.31	1	571.61	1	212.84	1		1		1	
1/4	2,357.66	1/4	1,998.88	1/4	1,640.09	1/4	1,281.30	1/4	922.84	1/4	564.14	1/4	205.37	1/4		1/4		1/4	
1/2	2,350.19	1/2	1,991.40	1/2	1,632.62	1/2	1,273.83	1/2	915.38	1/2	556.67	1/2	197.90	1/2		1/2		1/2	
3/4	2,342.71	3/4	1,983.93	3/4	1,625.14	3/4	1,266.35	3/4	907.92	3/4	549.19	3/4	190.43	3/4		3/4		3/4	
2	2,335.24	2	1,976.45	2	1,617.67	2	1,258.88	2	900.46	2	541.72	2	182.96	2		2		2	
1/4	2,327.76	1/4	1,968.98	1/4	1,610.19	1/4	1,251.41	1/4	892.99	1/4	534.24	1/4	175.49	1/4		1/4		1/4	
1/2	2,320.29	1/2	1,961.50	1/2	1,602.72	1/2	1,243.93	1/2	885.52	1/2	526.77	1/2	168.02	1/2		1/2		1/2	
3/4	2,312.81	3/4	1,954.03	3/4	1,595.24	3/4	1,236.46	3/4	878.06	3/4	519.29	3/4	160.56	3/4		3/4		3/4	
3	2,305.34	3	1,946.55	3	1,587.77	3	1,228.98	3	870.59	3	511.82	3	153.09	3		3		3	
1/4	2,297.86	1/4	1,939.08	1/4	1,580.29	1/4	1,221.51	1/4	863.12	1/4	504.34	1/4	145.64	1/4		1/4		1/4	
1/2	2,290.39	1/2	1,931.60	1/2	1,572.82	1/2	1,214.03	1/2	855.64	1/2	496.87	1/2	138.18	1/2		1/2		1/2	
3/4	2,282.91	3/4	1,924.13	3/4	1,565.34	3/4	1,206.56	3/4	848.17	3/4	489.40	3/4	130.73	3/4		3/4		3/4	
4	2,275.44	4	1,916.65	4	1,557.87	4	1,199.08	4	840.69	4	481.92	4	123.27	4		4		4	
1/4	2,267.96	1/4	1,909.18	1/4	1,550.39	1/4	1,191.61	1/4	833.22	1/4	474.45	1/4	115.84	1/4		1/4		1/4	
1/2	2,260.49	1/2	1,901.70	1/2	1,542.92	1/2	1,184.13	1/2	825.74	1/2	466.97	1/2	108.40	1/2		1/2		1/2	
3/4	2,253.02	3/4	1,894.23	3/4	1,535.44	3/4	1,176.66	3/4	818.27	3/4	459.50	3/4	100.96	3/4		3/4		3/4	
5	2,245.54	5	1,886.76	5	1,527.97	5	1,169.18	5	810.80	5	452.02	5	93.53	5		5		5	
1/4	2,238.07	1/4	1,879.28	1/4	1,520.49	1/4	1,161.71	1/4	803.32	1/4	444.55	1/4	86.12	1/4		1/4		1/4	
1/2	2,230.59	1/2	1,871.81	1/2	1,513.02	1/2	1,154.23	1/2	795.85	1/2	437.08	1/2	78.72	1/2		1/2		1/2	
3/4	2,223.12	3/4	1,864.33	3/4	1,505.55	3/4	1,146.76	3/4	788.37	3/4	429.60	3/4	71.31	3/4		3/4		3/4	
6	2,215.64	6	1,856.86	6	1,498.07	6	1,139.29	6	780.90	6	422.13	6	63.90	6		6		6	
1/4	2,208.17	1/4	1,849.38	1/4	1,490.60	1/4	1,131.82	1/4	773.42	1/4	414.65	1/4	56.96	1/4		1/4		1/4	
1/2	2,200.69	1/2	1,841.91	1/2	1,483.12	1/2	1,124.35	1/2	765.95	1/2	407.18	1/2	50.01	1/2		1/2		1/2	
3/4	2,193.22	3/4	1,834.43	3/4	1,475.65	3/4	1,116.88	3/4	758.47	3/4	399.70	3/4	43.06	3/4		3/4		3/4	
7	2,185.74	7	1,826.96	7	1,468.17	7	1,109.41	7	751.00	7	392.23	7	36.12	7		7		7	
1/4	2,178.27	1/4	1,819.48	1/4	1,460.70	1/4	1,101.94	1/4	743.53	1/4	384.75	1/4	30.83	1/4		1/4		1/4	
1/2	2,170.79	1/2	1,812.01	1/2	1,453.22	1/2	1,094.48	1/2	736.05	1/2	377.28	1/2	25.53	1/2		1/2		1/2	
3/4	2,163.32	3/4	1,804.53	3/4	1,445.75	3/4	1,087.02	3/4	728.58	3/4	369.81	3/4	20.24	3/4		3/4		3/4	
8	2,155.84	8	1,797.06	8	1,438.27	8	1,079.56	8	721.10	8	362.33	8	14.95	8		8		8	
1/4	2,148.37	1/4	1,789.58	1/4	1,430.80	1/4	1,072.09	1/4	713.63	1/4	354.86	1/4		1/4		1/4		1/4	
1/2	2,140.89	1/2	1,782.11	1/2	1,423.32	1/2	1,064.63	1/2	706.15	1/2	347.38	1/2		1/2		1/2		1/2	
3/4	2,133.42	3/4	1,774.63	3/4	1,415.85	3/4	1,057.17	3/4	698.68	3/4	339.91	3/4		3/4		3/4		3/4	
9	2,125.95	9	1,767.16	9	1,408.37	9	1,049.71	9	691.20	9	332.43	9		9		9		9	
1/4	2,118.47	1/4	1,759.69	1/4	1,400.90	1/4	1,042.24	1/4	683.73	1/4	324.96	1/4		1/4		1/4		1/4	
1/2	2,111.00	1/2	1,752.21	1/2	1,393.42	1/2	1,034.78	1/2	676.26	1/2	317.48	1/2		1/2		1/2		1/2	
3/4	2,103.52	3/4	1,744.74	3/4	1,385.95	3/4	1,027.32	3/4	668.78	3/4	310.01	3/4		3/4		3/4		3/4	
10	2,096.05	10	1,737.26	10	1,378.48	10	1,019.86	10	661.31	10	302.54	10		10		10		10	
1/4	2,088.57	1/4	1,729.79	1/4	1,371.00	1/4	1,012.39	1/4	653.83	1/4	295.06	1/4		1/4		1/4		1/4	
1/2	2,081.10	1/2	1,722.31	1/2	1,363.53	1/2	1,004.93	1/2	646.36	1/2	287.59	1/2		1/2		1/2		1/2	
3/4	2,073.62	3/4	1,714.84	3/4	1,356.05	3/4	997.47	3/4	638.88	3/4	280.11	3/4		3/4		3/4		3/4	
11	2,066.15	11	1,707.36	11	1,348.58	11	990.01	11	631.41	11	272.64	11		11		11		11	
1/4	2,058.67	1/4	1,699.89	1/4	1,341.10	1/4	982.54	1/4	623.94	1/4	265.16	1/4		1/4		1/4		1/4	
1/2	2,051.20	1/2	1,692.41	1/2	1,333.63	1/2	975.08	1/2	616.46	1/2	257.69	1/2		1/2		1/2		1/2	
3/4	2,043.72	3/4	1,684.94	3/4	1,326.15	3/4	967.62	3/4	608.99	3/4	250.22	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/07/2015 CL
CALCULATED: 01/08/2015 CL
PRINTED: 01/08/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2015

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



BARGE "KIRBY 29128"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	4,353.25	0	4,113.23	0	3,867.59	0	3,609.96	0	3,340.61	0	2,990.68	0	2,634.97
1/4		1/4		1/4		1/4	4,348.63	1/4	4,108.24	1/4	3,862.34	1/4	3,604.47	1/4	3,334.92	1/4	2,983.27	1/4	2,627.56
1/2		1/2		1/2		1/2	4,344.00	1/2	4,103.24	1/2	3,857.08	1/2	3,598.97	1/2	3,329.23	1/2	2,975.86	1/2	2,620.15
3/4		3/4		3/4		3/4	4,339.38	3/4	4,098.24	3/4	3,851.83	3/4	3,593.47	3/4	3,323.54	3/4	2,968.45	3/4	2,612.74
1		1		1		1	4,335.23	1	4,093.22	1	3,846.56	1	3,587.95	1	3,316.12	1	2,961.04	1	2,605.33
1/4		1/4		1/4		1/4	4,331.09	1/4	4,088.21	1/4	3,841.30	1/4	3,582.43	1/4	3,308.71	1/4	2,953.63	1/4	2,597.91
1/2		1/2		1/2		1/2	4,326.95	1/2	4,083.19	1/2	3,836.03	1/2	3,576.91	1/2	3,301.30	1/2	2,946.22	1/2	2,590.50
3/4		3/4		3/4		3/4	4,322.81	3/4	4,078.17	3/4	3,830.76	3/4	3,571.39	3/4	3,293.88	3/4	2,938.81	3/4	2,583.09
2		2		2		2	4,317.46	2	4,073.13	2	3,825.47	2	3,565.85	2	3,286.47	2	2,931.40	2	2,575.68
1/4		1/4		1/4		1/4	4,312.11	1/4	4,068.09	1/4	3,820.18	1/4	3,560.31	1/4	3,279.05	1/4	2,923.99	1/4	2,568.27
1/2		1/2		1/2		1/2	4,306.77	1/2	4,063.05	1/2	3,814.90	1/2	3,554.77	1/2	3,271.64	1/2	2,916.58	1/2	2,560.86
3/4		3/4		3/4		3/4	4,301.42	3/4	4,058.02	3/4	3,809.61	3/4	3,549.23	3/4	3,264.23	3/4	2,909.16	3/4	2,553.45
3		3		3		3	4,295.73	3	4,052.96	3	3,804.30	3	3,543.68	3	3,256.81	3	2,901.75	3	2,546.04
1/4		1/4		1/4		1/4	4,290.04	1/4	4,047.90	1/4	3,798.99	1/4	3,538.12	1/4	3,249.40	1/4	2,894.34	1/4	2,538.63
1/2		1/2		1/2		1/2	4,284.35	1/2	4,042.84	1/2	3,793.68	1/2	3,532.56	1/2	3,241.99	1/2	2,886.93	1/2	2,531.22
3/4		3/4		3/4		3/4	4,278.65	3/4	4,037.78	3/4	3,788.37	3/4	3,527.00	3/4	3,234.57	3/4	2,879.52	3/4	2,523.81
4		4		4		4	4,272.96	4	4,032.70	4	3,783.04	4	3,521.42	4	3,227.16	4	2,872.11	4	2,516.40
1/4		1/4		1/4		1/4	4,267.27	1/4	4,027.62	1/4	3,777.71	1/4	3,515.84	1/4	3,219.74	1/4	2,864.70	1/4	2,508.99
1/2		1/2		1/2		1/2	4,261.58	1/2	4,022.53	1/2	3,772.38	1/2	3,510.26	1/2	3,212.33	1/2	2,857.29	1/2	2,501.58
3/4		3/4		3/4		3/4	4,255.88	3/4	4,017.45	3/4	3,767.05	3/4	3,504.68	3/4	3,204.92	3/4	2,849.88	3/4	2,494.17
5		5		5		5	4,251.03	5	4,012.35	5	3,761.70	5	3,499.08	5	3,197.53	5	2,842.47	5	2,486.75
1/4		1/4		1/4		1/4	4,246.18	1/4	4,007.25	1/4	3,756.35	1/4	3,493.48	1/4	3,190.14	1/4	2,835.06	1/4	2,479.34
1/2		1/2		1/2		1/2	4,241.32	1/2	4,002.15	1/2	3,751.00	1/2	3,487.89	1/2	3,182.76	1/2	2,827.65	1/2	2,471.93
3/4		3/4		3/4		3/4	4,236.47	3/4	3,997.05	3/4	3,745.64	3/4	3,482.29	3/4	3,175.37	3/4	2,820.24	3/4	2,464.52
6		6		6		6	4,231.60	6	3,991.93	6	3,740.27	6	3,476.66	6	3,167.98	6	2,812.83	6	2,457.11
1/4		1/4		1/4		1/4	4,226.72	1/4	3,986.80	1/4	3,734.90	1/4	3,471.04	1/4	3,160.60	1/4	2,805.41	1/4	2,449.70
1/2		1/2		1/2		1/2	4,221.85	1/2	3,981.68	1/2	3,729.53	1/2	3,465.42	1/2	3,153.21	1/2	2,798.00	1/2	2,442.29
3/4		3/4		3/4		3/4	4,216.98	3/4	3,976.56	3/4	3,724.16	3/4	3,459.80	3/4	3,145.82	3/4	2,790.59	3/4	2,434.88
7		7		7		7	4,212.08	7	3,971.41	7	3,718.77	7	3,454.16	7	3,138.44	7	2,783.18	7	2,427.47
1/4		1/4		1/4		1/4	4,207.19	1/4	3,966.27	1/4	3,713.37	1/4	3,448.52	1/4	3,131.05	1/4	2,775.77	1/4	2,420.06
1/2		1/2		1/2		1/2	4,202.29	1/2	3,961.13	1/2	3,707.98	1/2	3,442.87	1/2	3,123.66	1/2	2,768.36	1/2	2,412.65
3/4		3/4		3/4		3/4	4,197.39	3/4	3,955.99	3/4	3,702.59	3/4	3,437.23	3/4	3,116.28	3/4	2,760.95	3/4	2,405.24
8		8		8		8	4,192.48	8	3,950.82	8	3,697.17	8	3,431.57	8	3,108.89	8	2,753.54	8	2,397.83
1/4		1/4		1/4		1/4	4,187.57	1/4	3,945.65	1/4	3,691.76	1/4	3,425.91	1/4	3,101.51	1/4	2,746.13	1/4	2,390.42
1/2		1/2		1/2		1/2	4,182.65	1/2	3,940.49	1/2	3,686.35	1/2	3,420.24	1/2	3,094.12	1/2	2,738.72	1/2	2,383.00
3/4		3/4		3/4		3/4	4,177.74	3/4	3,935.32	3/4	3,680.94	3/4	3,414.58	3/4	3,086.73	3/4	2,731.31	3/4	2,375.59
9		9		9		9	4,172.80	9	3,930.14	9	3,675.50	9	3,408.89	9	3,079.35	9	2,723.90	9	2,368.18
1/4		1/4		1/4		1/4	4,167.86	1/4	3,924.95	1/4	3,670.06	1/4	3,403.21	1/4	3,071.96	1/4	2,716.49	1/4	2,360.77
1/2		1/2		1/2		1/2	4,162.92	1/2	3,919.77	1/2	3,664.63	1/2	3,397.53	1/2	3,064.57	1/2	2,709.08	1/2	2,353.36
3/4		3/4		3/4		3/4	4,157.98	3/4	3,914.58	3/4	3,659.19	3/4	3,391.85	3/4	3,057.19	3/4	2,701.66	3/4	2,345.95
10		10		10		10	4,153.03	10	3,909.37	10	3,653.74	10	3,386.15	10	3,049.80	10	2,694.25	10	2,338.54
1/4		1/4		1/4		1/4	4,148.07	1/4	3,904.16	1/4	3,648.28	1/4	3,380.46	1/4	3,042.41	1/4	2,686.84	1/4	2,331.13
1/2		1/2		1/2		1/2	4,143.12	1/2	3,898.95	1/2	3,642.83	1/2	3,374.77	1/2	3,035.03	1/2	2,679.43	1/2	2,323.72
3/4		3/4		3/4		3/4	4,138.16	3/4	3,893.75	3/4	3,637.37	3/4	3,369.08	3/4	3,027.64	3/4	2,672.02	3/4	2,316.31
11		11		11		11	4,133.18	11	3,888.52	11	3,631.89	11	3,363.38	11	3,020.25	11	2,664.61	11	2,308.89
1/4		1/4		1/4		1/4	4,128.20	1/4	3,883.29	1/4	3,626.42	1/4	3,357.69	1/4	3,012.87	1/4	2,657.20	1/4	2,301.48
1/2		1/2		1/2		1/2	4,123.21	1/2	3,878.07	1/2	3,620.94	1/2	3,352.00	1/2	3,005.48	1/2	2,649.79	1/2	2,294.07
3/4		3/4		3/4		3/4	4,357.88	3/4	4,118.23	3/4	3,872.84	3/4	3,615.46	3/4	3,346.31	3/4	2,998.09	3/4	2,286.66

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'-00" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 29128"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	2,279.25	0	1,923.11	0	1,567.87	0	1,211.81	0	868.51	0	512.27	0	155.80	0		0		0	
1/4	2,271.84	1/4	1,915.68	1/4	1,560.48	1/4	1,204.65	1/4	861.11	1/4	504.85	1/4	148.38	1/4		1/4		1/4	
1/2	2,264.43	1/2	1,908.25	1/2	1,553.08	1/2	1,197.50	1/2	853.70	1/2	497.42	1/2	140.95	1/2		1/2		1/2	
3/4	2,257.02	3/4	1,900.83	3/4	1,545.68	3/4	1,190.34	3/4	846.30	3/4	489.99	3/4	133.52	3/4		3/4		3/4	
1	2,249.61	1	1,893.43	1	1,538.25	1	1,183.18	1	838.89	1	482.57	1	126.10	1		1		1	
1/4	2,242.19	1/4	1,886.03	1/4	1,530.83	1/4	1,176.02	1/4	831.49	1/4	475.14	1/4	118.67	1/4		1/4		1/4	
1/2	2,234.78	1/2	1,878.63	1/2	1,523.40	1/2	1,168.86	1/2	824.08	1/2	467.72	1/2	111.25	1/2		1/2		1/2	
3/4	2,227.37	3/4	1,871.23	3/4	1,515.98	3/4	1,161.71	3/4	816.68	3/4	460.29	3/4	103.82	3/4		3/4		3/4	
2	2,219.96	2	1,863.83	2	1,508.55	2	1,154.55	2	809.27	2	452.86	2	96.71	2		2		2	
1/4	2,212.55	1/4	1,856.44	1/4	1,501.13	1/4	1,147.39	1/4	801.87	1/4	445.44	1/4	89.60	1/4		1/4		1/4	
1/2	2,205.14	1/2	1,849.04	1/2	1,493.70	1/2	1,140.23	1/2	794.46	1/2	438.01	1/2	82.48	1/2		1/2		1/2	
3/4	2,197.73	3/4	1,841.64	3/4	1,486.28	3/4	1,133.08	3/4	787.05	3/4	430.58	3/4	75.37	3/4		3/4		3/4	
3	2,190.32	3	1,834.24	3	1,478.85	3	1,125.92	3	779.63	3	423.16	3	69.20	3		3		3	
1/4	2,182.91	1/4	1,826.84	1/4	1,471.43	1/4	1,118.76	1/4	772.20	1/4	415.73	1/4	63.02	1/4		1/4		1/4	
1/2	2,175.49	1/2	1,819.44	1/2	1,464.00	1/2	1,111.60	1/2	764.78	1/2	408.30	1/2	56.85	1/2		1/2		1/2	
3/4	2,168.08	3/4	1,812.04	3/4	1,456.57	3/4	1,104.45	3/4	757.35	3/4	400.88	3/4	50.68	3/4		3/4		3/4	
4	2,160.67	4	1,804.64	4	1,449.15	4	1,097.29	4	749.92	4	393.45	4	45.76	4		4		4	
1/4	2,153.26	1/4	1,797.24	1/4	1,441.72	1/4	1,090.13	1/4	742.50	1/4	386.02	1/4	40.84	1/4		1/4		1/4	
1/2	2,145.85	1/2	1,789.84	1/2	1,434.30	1/2	1,082.97	1/2	735.07	1/2	378.60	1/2	35.92	1/2		1/2		1/2	
3/4	2,138.44	3/4	1,782.45	3/4	1,426.87	3/4	1,075.81	3/4	727.64	3/4	371.17	3/4	31.00	3/4		3/4		3/4	
5	2,131.01	5	1,775.05	5	1,419.45	5	1,068.67	5	720.22	5	363.74	5	27.34	5		5		5	
1/4	2,123.59	1/4	1,767.65	1/4	1,412.02	1/4	1,061.53	1/4	712.79	1/4	356.32	1/4	23.68	1/4		1/4		1/4	
1/2	2,116.16	1/2	1,760.25	1/2	1,404.60	1/2	1,054.38	1/2	705.36	1/2	348.89	1/2	20.02	1/2		1/2		1/2	
3/4	2,108.74	3/4	1,752.85	3/4	1,397.17	3/4	1,047.24	3/4	697.94	3/4	341.46	3/4	16.37	3/4		3/4		3/4	
6	2,101.31	6	1,745.45	6	1,389.75	6	1,040.10	6	690.51	6	334.04	6		6		6		6	
1/4	2,093.89	1/4	1,738.05	1/4	1,382.32	1/4	1,032.95	1/4	683.08	1/4	326.61	1/4		1/4		1/4		1/4	
1/2	2,086.46	1/2	1,730.65	1/2	1,374.90	1/2	1,025.81	1/2	675.66	1/2	319.19	1/2		1/2		1/2		1/2	
3/4	2,079.04	3/4	1,723.25	3/4	1,367.47	3/4	1,018.66	3/4	668.23	3/4	311.76	3/4		3/4		3/4		3/4	
7	2,071.61	7	1,715.85	7	1,360.05	7	1,011.52	7	660.80	7	304.33	7		7		7		7	
1/4	2,064.19	1/4	1,708.46	1/4	1,352.62	1/4	1,004.38	1/4	653.38	1/4	296.91	1/4		1/4		1/4		1/4	
1/2	2,056.76	1/2	1,701.06	1/2	1,345.20	1/2	997.24	1/2	645.95	1/2	289.48	1/2		1/2		1/2		1/2	
3/4	2,049.34	3/4	1,693.66	3/4	1,337.77	3/4	990.10	3/4	638.52	3/4	282.05	3/4		3/4		3/4		3/4	
8	2,041.91	8	1,686.26	8	1,330.35	8	982.97	8	631.10	8	274.63	8		8		8		8	
1/4	2,034.48	1/4	1,678.86	1/4	1,322.92	1/4	975.83	1/4	623.67	1/4	267.20	1/4		1/4		1/4		1/4	
1/2	2,027.06	1/2	1,671.46	1/2	1,315.50	1/2	968.69	1/2	616.25	1/2	259.77	1/2		1/2		1/2		1/2	
3/4	2,019.63	3/4	1,664.06	3/4	1,308.07	3/4	961.56	3/4	608.82	3/4	252.35	3/4		3/4		3/4		3/4	
9	2,012.21	9	1,656.66	9	1,300.65	9	954.42	9	601.39	9	244.92	9		9		9		9	
1/4	2,004.78	1/4	1,649.26	1/4	1,293.22	1/4	947.28	1/4	593.97	1/4	237.49	1/4		1/4		1/4		1/4	
1/2	1,997.36	1/2	1,641.86	1/2	1,285.80	1/2	940.15	1/2	586.54	1/2	230.07	1/2		1/2		1/2		1/2	
3/4	1,989.93	3/4	1,634.47	3/4	1,278.37	3/4	933.01	3/4	579.11	3/4	222.64	3/4		3/4		3/4		3/4	
10	1,982.51	10	1,627.07	10	1,270.94	10	925.88	10	571.69	10	215.21	10		10		10		10	
1/4	1,975.08	1/4	1,619.67	1/4	1,263.52	1/4	918.74	1/4	564.26	1/4	207.79	1/4		1/4		1/4		1/4	
1/2	1,967.66	1/2	1,612.27	1/2	1,256.09	1/2	911.60	1/2	556.83	1/2	200.36	1/2		1/2		1/2		1/2	
3/4	1,960.23	3/4	1,604.87	3/4	1,248.67	3/4	904.47	3/4	549.41	3/4	192.93	3/4		3/4		3/4		3/4	
11	1,952.81	11	1,597.47	11	1,241.24	11	897.33	11	541.98	11	185.51	11		11		11		11	
1/4	1,945.38	1/4	1,590.07	1/4	1,233.82	1/4	890.19	1/4	534.55	1/4	178.08	1/4		1/4		1/4		1/4	
1/2	1,937.96	1/2	1,582.67	1/2	1,226.39	1/2	883.06	1/2	527.13	1/2	170.66	1/2		1/2		1/2		1/2	
3/4	1,930.53	3/4	1,575.27	3/4	1,218.97	3/4	875.92	3/4	519.70	3/4	163.23	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/07/2015 CL
CALCULATED: 01/08/2015 CL
PRINTED: 01/08/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2015

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



BARGE "KIRBY 29128"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	4,380.09	0	4,138.97	0	3,892.23	0	3,633.50	0	3,363.03	0	3,011.24	0	2,654.28
1/4		1/4		1/4		1/4	4,375.44	1/4	4,133.95	1/4	3,886.96	1/4	3,627.98	1/4	3,357.31	1/4	3,003.80	1/4	2,646.85
1/2		1/2		1/2		1/2	4,370.80	1/2	4,128.93	1/2	3,881.68	1/2	3,622.46	1/2	3,351.59	1/2	2,996.36	1/2	2,639.41
3/4		3/4		3/4		3/4	4,366.15	3/4	4,123.91	3/4	3,876.41	3/4	3,616.94	3/4	3,345.88	3/4	2,988.93	3/4	2,631.97
1	1	1	1	1	1	1	4,361.98	1	4,118.87	1	3,871.12	1	3,611.40	1	3,338.44	1	2,981.49	1	2,624.54
1/4		1/4		1/4		1/4	4,357.82	1/4	4,113.83	1/4	3,865.82	1/4	3,605.85	1/4	3,331.00	1/4	2,974.05	1/4	2,617.10
1/2		1/2		1/2		1/2	4,353.65	1/2	4,108.79	1/2	3,860.53	1/2	3,600.31	1/2	3,323.57	1/2	2,966.62	1/2	2,609.66
3/4		3/4		3/4		3/4	4,349.48	3/4	4,103.75	3/4	3,855.24	3/4	3,594.76	3/4	3,316.13	3/4	2,959.18	3/4	2,602.23
2	2	2	2	2	2	2	4,344.12	2	4,098.69	2	3,849.93	2	3,589.20	2	3,308.70	2	2,951.74	2	2,594.79
1/4		1/4		1/4		1/4	4,338.75	1/4	4,093.63	1/4	3,844.62	1/4	3,583.64	1/4	3,301.26	1/4	2,944.31	1/4	2,587.35
1/2		1/2		1/2		1/2	4,333.38	1/2	4,088.57	1/2	3,839.31	1/2	3,578.08	1/2	3,293.82	1/2	2,936.87	1/2	2,579.92
3/4		3/4		3/4		3/4	4,328.01	3/4	4,083.50	3/4	3,834.00	3/4	3,572.52	3/4	3,286.39	3/4	2,929.43	3/4	2,572.48
3	3	3	3	3	3	3	4,322.30	3	4,078.42	3	3,828.67	3	3,566.93	3	3,278.95	3	2,922.00	3	2,565.05
1/4		1/4		1/4		1/4	4,316.58	1/4	4,073.34	1/4	3,823.34	1/4	3,561.35	1/4	3,271.51	1/4	2,914.56	1/4	2,557.61
1/2		1/2		1/2		1/2	4,310.87	1/2	4,068.26	1/2	3,818.00	1/2	3,555.77	1/2	3,264.08	1/2	2,907.12	1/2	2,550.17
3/4		3/4		3/4		3/4	4,305.15	3/4	4,063.18	3/4	3,812.67	3/4	3,550.19	3/4	3,256.64	3/4	2,899.69	3/4	2,542.74
4	4	4	4	4	4	4	4,299.43	4	4,058.07	4	3,807.32	4	3,544.59	4	3,249.20	4	2,892.25	4	2,535.30
1/4		1/4		1/4		1/4	4,293.72	1/4	4,052.97	1/4	3,801.97	1/4	3,538.99	1/4	3,241.77	1/4	2,884.81	1/4	2,527.86
1/2		1/2		1/2		1/2	4,288.00	1/2	4,047.86	1/2	3,796.61	1/2	3,533.38	1/2	3,234.33	1/2	2,877.38	1/2	2,520.43
3/4		3/4		3/4		3/4	4,282.29	3/4	4,042.76	3/4	3,791.26	3/4	3,527.78	3/4	3,226.89	3/4	2,869.94	3/4	2,512.99
5	5	5	5	5	5	5	4,277.41	5	4,037.64	5	3,785.89	5	3,522.16	5	3,219.46	5	2,862.51	5	2,505.55
1/4		1/4		1/4		1/4	4,272.53	1/4	4,032.51	1/4	3,780.51	1/4	3,516.54	1/4	3,212.02	1/4	2,855.07	1/4	2,498.12
1/2		1/2		1/2		1/2	4,267.66	1/2	4,027.39	1/2	3,775.14	1/2	3,510.91	1/2	3,204.58	1/2	2,847.63	1/2	2,490.68
3/4		3/4		3/4		3/4	4,262.78	3/4	4,022.27	3/4	3,769.76	3/4	3,505.29	3/4	3,197.15	3/4	2,840.20	3/4	2,483.24
6	6	6	6	6	6	6	4,257.89	6	4,017.12	6	3,764.37	6	3,499.65	6	3,189.71	6	2,832.76	6	2,475.81
1/4		1/4		1/4		1/4	4,252.99	1/4	4,011.97	1/4	3,758.98	1/4	3,494.00	1/4	3,182.27	1/4	2,825.32	1/4	2,468.37
1/2		1/2		1/2		1/2	4,248.10	1/2	4,006.83	1/2	3,753.58	1/2	3,488.35	1/2	3,174.84	1/2	2,817.89	1/2	2,460.93
3/4		3/4		3/4		3/4	4,243.20	3/4	4,001.68	3/4	3,748.19	3/4	3,482.71	3/4	3,167.40	3/4	2,810.45	3/4	2,453.50
7	7	7	7	7	7	7	4,238.28	7	3,996.51	7	3,742.77	7	3,477.04	7	3,159.97	7	2,803.01	7	2,446.06
1/4		1/4		1/4		1/4	4,233.36	1/4	3,991.35	1/4	3,737.35	1/4	3,471.38	1/4	3,152.53	1/4	2,795.58	1/4	2,438.62
1/2		1/2		1/2		1/2	4,228.44	1/2	3,986.18	1/2	3,731.94	1/2	3,465.72	1/2	3,145.09	1/2	2,788.14	1/2	2,431.19
3/4		3/4		3/4		3/4	4,223.52	3/4	3,981.02	3/4	3,726.52	3/4	3,460.05	3/4	3,137.66	3/4	2,780.70	3/4	2,423.75
8	8	8	8	8	8	8	4,218.59	8	3,975.83	8	3,721.08	8	3,454.37	8	3,130.22	8	2,773.27	8	2,416.32
1/4		1/4		1/4		1/4	4,213.65	1/4	3,970.64	1/4	3,715.65	1/4	3,448.68	1/4	3,122.78	1/4	2,765.83	1/4	2,408.88
1/2		1/2		1/2		1/2	4,208.71	1/2	3,965.45	1/2	3,710.21	1/2	3,442.99	1/2	3,115.35	1/2	2,758.39	1/2	2,401.44
3/4		3/4		3/4		3/4	4,203.78	3/4	3,960.26	3/4	3,704.78	3/4	3,437.30	3/4	3,107.91	3/4	2,750.96	3/4	2,394.01
9	9	9	9	9	9	9	4,198.82	9	3,955.05	9	3,699.32	9	3,431.60	9	3,100.47	9	2,743.52	9	2,386.57
1/4		1/4		1/4		1/4	4,193.85	1/4	3,949.85	1/4	3,693.86	1/4	3,425.89	1/4	3,093.04	1/4	2,736.08	1/4	2,379.13
1/2		1/2		1/2		1/2	4,188.89	1/2	3,944.64	1/2	3,688.40	1/2	3,420.18	1/2	3,085.60	1/2	2,728.65	1/2	2,371.70
3/4		3/4		3/4		3/4	4,183.93	3/4	3,939.43	3/4	3,682.94	3/4	3,414.48	3/4	3,078.16	3/4	2,721.21	3/4	2,364.26
10	10	10	10	10	10	10	4,178.95	10	3,934.20	10	3,677.46	10	3,408.76	10	3,070.73	10	2,713.78	10	2,356.82
1/4		1/4		1/4		1/4	4,173.97	1/4	3,928.97	1/4	3,671.98	1/4	3,403.04	1/4	3,063.29	1/4	2,706.34	1/4	2,349.39
1/2		1/2		1/2		1/2	4,168.99	1/2	3,923.73	1/2	3,666.51	1/2	3,397.33	1/2	3,055.85	1/2	2,698.90	1/2	2,341.95
3/4		3/4		3/4		3/4	4,164.01	3/4	3,918.50	3/4	3,661.03	3/4	3,391.61	3/4	3,048.42	3/4	2,691.47	3/4	2,334.51
11	11	11	11	11	11	11	4,159.01	11	3,913.25	11	3,655.53	11	3,385.89	11	3,040.98	11	2,684.03	11	2,327.08
1/4		1/4		1/4		1/4	4,154.00	1/4	3,908.00	1/4	3,650.02	1/4	3,380.18	1/4	3,033.54	1/4	2,676.59	1/4	2,319.64
1/2		1/2		1/2		1/2	4,149.00	1/2	3,902.75	1/2	3,644.52	1/2	3,374.46	1/2	3,026.11	1/2	2,669.16	1/2	2,312.20
3/4		3/4		3/4		3/4	4,384.74	3/4	4,144.00	3/4	3,897.51	3/4	3,639.02	3/4	3,368.74	3/4	3,018.67	3/4	2,304.77

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'-00" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 29128"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	2,297.33	0	1,940.38	0	1,583.43	0	1,226.48	0	869.78	0	512.96	0	156.02	0		0		0	
1/4	2,289.89	1/4	1,932.94	1/4	1,575.99	1/4	1,219.04	1/4	862.35	1/4	505.53	1/4	148.58	1/4		1/4		1/4	
1/2	2,282.46	1/2	1,925.51	1/2	1,568.55	1/2	1,211.60	1/2	854.93	1/2	498.09	1/2	141.15	1/2		1/2		1/2	
3/4	2,275.02	3/4	1,918.07	3/4	1,561.12	3/4	1,204.17	3/4	847.50	3/4	490.65	3/4	133.71	3/4		3/4		3/4	
1	2,267.59	1	1,910.63	1	1,553.68	1	1,196.73	1	840.08	1	483.22	1	126.28	1		1		1	
1/4	2,260.15	1/4	1,903.20	1/4	1,546.24	1/4	1,189.29	1/4	832.65	1/4	475.78	1/4	118.84	1/4		1/4		1/4	
1/2	2,252.71	1/2	1,895.76	1/2	1,538.81	1/2	1,181.86	1/2	825.23	1/2	468.34	1/2	111.40	1/2		1/2		1/2	
3/4	2,245.28	3/4	1,888.32	3/4	1,531.37	3/4	1,174.42	3/4	817.80	3/4	460.91	3/4	103.97	3/4		3/4		3/4	
2	2,237.84	2	1,880.89	2	1,523.94	2	1,166.98	2	810.38	2	453.47	2	96.85	2		2		2	
1/4	2,230.40	1/4	1,873.45	1/4	1,516.50	1/4	1,159.55	1/4	802.95	1/4	446.04	1/4	89.72	1/4		1/4		1/4	
1/2	2,222.97	1/2	1,866.01	1/2	1,509.06	1/2	1,152.11	1/2	795.53	1/2	438.60	1/2	82.60	1/2		1/2		1/2	
3/4	2,215.53	3/4	1,858.58	3/4	1,501.63	3/4	1,144.67	3/4	788.11	3/4	431.16	3/4	75.48	3/4		3/4		3/4	
3	2,208.09	3	1,851.14	3	1,494.19	3	1,137.24	3	780.67	3	423.73	3	69.30	3		3		3	
1/4	2,200.66	1/4	1,843.70	1/4	1,486.75	1/4	1,129.80	1/4	773.23	1/4	416.29	1/4	63.11	1/4		1/4		1/4	
1/2	2,193.22	1/2	1,836.27	1/2	1,479.32	1/2	1,122.36	1/2	765.80	1/2	408.85	1/2	56.93	1/2		1/2		1/2	
3/4	2,185.78	3/4	1,828.83	3/4	1,471.88	3/4	1,114.93	3/4	758.36	3/4	401.42	3/4	50.75	3/4		3/4		3/4	
4	2,178.35	4	1,821.40	4	1,464.44	4	1,107.49	4	750.92	4	393.98	4	45.82	4		4		4	
1/4	2,170.91	1/4	1,813.96	1/4	1,457.01	1/4	1,100.05	1/4	743.49	1/4	386.55	1/4	40.89	1/4		1/4		1/4	
1/2	2,163.47	1/2	1,806.52	1/2	1,449.57	1/2	1,092.62	1/2	736.05	1/2	379.11	1/2	35.96	1/2		1/2		1/2	
3/4	2,156.04	3/4	1,799.09	3/4	1,442.13	3/4	1,085.18	3/4	728.62	3/4	371.67	3/4	31.03	3/4		3/4		3/4	
5	2,148.60	5	1,791.65	5	1,434.70	5	1,077.75	5	721.18	5	364.24	5	27.36	5		5		5	
1/4	2,141.16	1/4	1,784.21	1/4	1,427.26	1/4	1,070.31	1/4	713.74	1/4	356.80	1/4	23.70	1/4		1/4		1/4	
1/2	2,133.73	1/2	1,776.78	1/2	1,419.82	1/2	1,062.87	1/2	706.31	1/2	349.36	1/2	20.03	1/2		1/2		1/2	
3/4	2,126.29	3/4	1,769.34	3/4	1,412.39	3/4	1,055.44	3/4	698.87	3/4	341.93	3/4	16.36	3/4		3/4		3/4	
6	2,118.86	6	1,761.90	6	1,404.95	6	1,048.00	6	691.43	6	334.49	6		6		6		6	
1/4	2,111.42	1/4	1,754.47	1/4	1,397.51	1/4	1,040.56	1/4	684.00	1/4	327.05	1/4		1/4		1/4		1/4	
1/2	2,103.98	1/2	1,747.03	1/2	1,390.08	1/2	1,033.13	1/2	676.56	1/2	319.62	1/2		1/2		1/2		1/2	
3/4	2,096.55	3/4	1,739.59	3/4	1,382.64	3/4	1,025.69	3/4	669.12	3/4	312.18	3/4		3/4		3/4		3/4	
7	2,089.11	7	1,732.16	7	1,375.21	7	1,018.27	7	661.69	7	304.75	7		7		7		7	
1/4	2,081.67	1/4	1,724.72	1/4	1,367.77	1/4	1,010.84	1/4	654.25	1/4	297.31	1/4		1/4		1/4		1/4	
1/2	2,074.24	1/2	1,717.28	1/2	1,360.33	1/2	1,003.42	1/2	646.82	1/2	289.87	1/2		1/2		1/2		1/2	
3/4	2,066.80	3/4	1,709.85	3/4	1,352.90	3/4	995.99	3/4	639.38	3/4	282.44	3/4		3/4		3/4		3/4	
8	2,059.36	8	1,702.41	8	1,345.46	8	988.57	8	631.94	8	275.00	8		8		8		8	
1/4	2,051.93	1/4	1,694.97	1/4	1,338.02	1/4	981.14	1/4	624.51	1/4	267.56	1/4		1/4		1/4		1/4	
1/2	2,044.49	1/2	1,687.54	1/2	1,330.59	1/2	973.72	1/2	617.07	1/2	260.13	1/2		1/2		1/2		1/2	
3/4	2,037.05	3/4	1,680.10	3/4	1,323.15	3/4	966.29	3/4	609.63	3/4	252.69	3/4		3/4		3/4		3/4	
9	2,029.62	9	1,672.67	9	1,315.71	9	958.87	9	602.20	9	245.26	9		9		9		9	
1/4	2,022.18	1/4	1,665.23	1/4	1,308.28	1/4	951.44	1/4	594.76	1/4	237.82	1/4		1/4		1/4		1/4	
1/2	2,014.74	1/2	1,657.79	1/2	1,300.84	1/2	944.02	1/2	587.33	1/2	230.38	1/2		1/2		1/2		1/2	
3/4	2,007.31	3/4	1,650.36	3/4	1,293.40	3/4	936.60	3/4	579.89	3/4	222.95	3/4		3/4		3/4		3/4	
10	1,999.87	10	1,642.92	10	1,285.97	10	929.17	10	572.45	10	215.51	10		10		10		10	
1/4	1,992.43	1/4	1,635.48	1/4	1,278.53	1/4	921.75	1/4	565.02	1/4	208.07	1/4		1/4		1/4		1/4	
1/2	1,985.00	1/2	1,628.05	1/2	1,271.09	1/2	914.32	1/2	557.58	1/2	200.64	1/2		1/2		1/2		1/2	
3/4	1,977.56	3/4	1,620.61	3/4	1,263.66	3/4	906.90	3/4	550.14	3/4	193.20	3/4		3/4		3/4		3/4	
11	1,970.13	11	1,613.17	11	1,256.22	11	899.47	11	542.71	11	185.77	11		11		11		11	
1/4	1,962.69	1/4	1,605.74	1/4	1,248.78	1/4	892.05	1/4	535.27	1/4	178.33	1/4		1/4		1/4		1/4	
1/2	1,955.25	1/2	1,598.30	1/2	1,241.35	1/2	884.62	1/2	527.84	1/2	170.89	1/2		1/2		1/2		1/2	
3/4	1,947.82	3/4	1,590.86	3/4	1,233.91	3/4	877.20	3/4	520.40	3/4	163.46	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/07/2015 CL
CALCULATED: 01/08/2015 CL
PRINTED: 01/08/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2015

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