



BARGE "KIRBY 29135"

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

(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"

December 3, 2014

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29135"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

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

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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,411.99	0	2,036.30	0	1,660.60	0	1,286.24	0	911.36	0	535.69	0	188.29	0		0		0	
1/4	2,404.17	1/4	2,028.47	1/4	1,652.77	1/4	1,278.46	1/4	903.53	1/4	527.88	1/4	181.70	1/4	1/4	1/4		1/4	
1/2	2,396.34	1/2	2,020.64	1/2	1,644.95	1/2	1,270.68	1/2	895.71	1/2	520.06	1/2	175.11	1/2	1/2	1/2		1/2	
3/4	2,388.51	3/4	2,012.82	3/4	1,637.12	3/4	1,262.90	3/4	887.88	3/4	512.29	3/4	168.63	3/4	3/4	3/4		3/4	
1	2,380.68	1	2,004.99	1	1,629.29	1	1,255.13	1	880.05	1	504.52	1	162.15	1	1	1		1	
1/4	2,372.86	1/4	1,997.16	1/4	1,621.47	1/4	1,247.35	1/4	872.23	1/4	496.75	1/4	155.67	1/4	1/4	1/4		1/4	
1/2	2,365.03	1/2	1,989.33	1/2	1,613.64	1/2	1,239.57	1/2	864.40	1/2	488.98	1/2	149.19	1/2	1/2	1/2		1/2	
3/4	2,357.20	3/4	1,981.51	3/4	1,605.81	3/4	1,231.79	3/4	856.57	3/4	481.31	3/4	142.83	3/4	3/4	3/4		3/4	
2	2,349.38	2	1,973.68	2	1,597.98	2	1,224.01	2	848.75	2	473.63	2	136.47	2	2	2		2	
1/4	2,341.55	1/4	1,965.85	1/4	1,590.16	1/4	1,216.24	1/4	840.92	1/4	465.95	1/4	130.10	1/4	1/4	1/4		1/4	
1/2	2,333.72	1/2	1,958.03	1/2	1,582.33	1/2	1,208.46	1/2	833.09	1/2	458.28	1/2	123.74	1/2	1/2	1/2		1/2	
3/4	2,325.90	3/4	1,950.20	3/4	1,574.50	3/4	1,200.68	3/4	825.27	3/4	450.71	3/4	117.50	3/4	3/4	3/4		3/4	
3	2,318.07	3	1,942.37	3	1,566.68	3	1,192.90	3	817.44	3	443.14	3	111.25	3	3	3		3	
1/4	2,310.24	1/4	1,934.55	1/4	1,558.85	1/4	1,185.12	1/4	809.61	1/4	435.57	1/4	105.01	1/4	1/4	1/4		1/4	
1/2	2,302.41	1/2	1,926.72	1/2	1,551.02	1/2	1,177.35	1/2	801.78	1/2	428.00	1/2	98.77	1/2	1/2	1/2		1/2	
3/4	2,294.59	3/4	1,918.89	3/4	1,543.21	3/4	1,169.55	3/4	793.96	3/4	420.54	3/4	92.65	3/4	3/4	3/4		3/4	
4	2,286.76	4	1,911.06	4	1,535.39	4	1,161.76	4	786.13	4	413.08	4	86.54	4	4	4		4	
1/4	2,278.93	1/4	1,903.24	1/4	1,527.57	1/4	1,153.96	1/4	778.30	1/4	405.62	1/4	80.42	1/4	1/4	1/4		1/4	
1/2	2,271.11	1/2	1,895.41	1/2	1,519.76	1/2	1,146.16	1/2	770.48	1/2	398.16	1/2	74.31	1/2	1/2	1/2		1/2	
3/4	2,263.28	3/4	1,887.58	3/4	1,511.96	3/4	1,138.34	3/4	762.65	3/4	390.81	3/4	68.33	3/4	3/4	3/4		3/4	
5	2,255.45	5	1,879.76	5	1,504.16	5	1,130.51	5	754.82	5	383.46	5	62.36	5	5	5		5	
1/4	2,247.63	1/4	1,871.93	1/4	1,496.37	1/4	1,122.68	1/4	747.00	1/4	376.11	1/4	56.38	1/4	1/4	1/4		1/4	
1/2	2,239.80	1/2	1,864.10	1/2	1,488.57	1/2	1,114.86	1/2	739.17	1/2	368.76	1/2	50.41	1/2	1/2	1/2		1/2	
3/4	2,231.97	3/4	1,856.28	3/4	1,480.77	3/4	1,107.03	3/4	731.34	3/4	361.52	3/4	45.02	3/4	3/4	3/4		3/4	
6	2,224.14	6	1,848.45	6	1,472.98	6	1,099.20	6	723.52	6	354.27	6	39.64	6	6	6		6	
1/4	2,216.32	1/4	1,840.62	1/4	1,465.19	1/4	1,091.38	1/4	715.69	1/4	347.03	1/4	34.26	1/4	1/4	1/4		1/4	
1/2	2,208.49	1/2	1,832.79	1/2	1,457.40	1/2	1,083.55	1/2	707.86	1/2	339.79	1/2	28.87	1/2	1/2	1/2		1/2	
3/4	2,200.66	3/4	1,824.97	3/4	1,449.61	3/4	1,075.72	3/4	700.04	3/4	332.66	3/4	24.93	3/4	3/4	3/4		3/4	
7	2,192.84	7	1,817.14	7	1,441.83	7	1,067.90	7	692.21	7	325.52	7	20.99	7	7	7		7	
1/4	2,185.01	1/4	1,809.31	1/4	1,434.04	1/4	1,060.07	1/4	684.38	1/4	318.39	1/4	17.05	1/4	1/4	1/4		1/4	
1/2	2,177.18	1/2	1,801.49	1/2	1,426.26	1/2	1,052.24	1/2	676.56	1/2	311.26	1/2	13.11	1/2	1/2	1/2		1/2	
3/4	2,169.36	3/4	1,793.66	3/4	1,418.47	3/4	1,044.42	3/4	668.73	3/4	304.23	3/4		3/4	3/4	3/4		3/4	
8	2,161.53	8	1,785.83	8	1,410.69	8	1,036.59	8	660.90	8	297.21	8		8	8	8		8	
1/4	2,153.70	1/4	1,778.01	1/4	1,402.91	1/4	1,028.76	1/4	653.08	1/4	290.18	1/4		1/4	1/4	1/4		1/4	
1/2	2,145.87	1/2	1,770.18	1/2	1,395.13	1/2	1,020.94	1/2	645.25	1/2	283.16	1/2		1/2	1/2	1/2		1/2	
3/4	2,138.05	3/4	1,762.35	3/4	1,387.35	3/4	1,013.11	3/4	637.42	3/4	276.24	3/4		3/4	3/4	3/4		3/4	
9	2,130.22	9	1,754.52	9	1,379.57	9	1,005.28	9	629.60	9	269.32	9		9	9	9		9	
1/4	2,122.39	1/4	1,746.70	1/4	1,371.79	1/4	997.45	1/4	621.77	1/4	262.41	1/4		1/4	1/4	1/4		1/4	
1/2	2,114.57	1/2	1,738.87	1/2	1,364.02	1/2	989.63	1/2	613.94	1/2	255.49	1/2		1/2	1/2	1/2		1/2	
3/4	2,106.74	3/4	1,731.04	3/4	1,356.24	3/4	981.80	3/4	606.11	3/4	248.68	3/4		3/4	3/4	3/4		3/4	
10	2,098.91	10	1,723.22	10	1,348.46	10	973.97	10	598.29	10	241.88	10		10	10	10		10	
1/4	2,091.09	1/4	1,715.39	1/4	1,340.68	1/4	966.15	1/4	590.46	1/4	235.07	1/4		1/4	1/4	1/4		1/4	
1/2	2,083.26	1/2	1,707.56	1/2	1,332.91	1/2	958.32	1/2	582.63	1/2	228.26	1/2		1/2	1/2	1/2		1/2	
3/4	2,075.43	3/4	1,699.74	3/4	1,325.13	3/4	950.49	3/4	574.81	3/4	221.56	3/4		3/4	3/4	3/4		3/4	
11	2,067.60	11	1,691.91	11	1,317.35	11	942.67	11	566.98	11	214.87	11		11	11	11		11	
1/4	2,059.78	1/4	1,684.08	1/4	1,309.57	1/4	934.84	1/4	559.15	1/4	208.17	1/4		1/4	1/4	1/4		1/4	
1/2	2,051.95	1/2	1,676.25	1/2	1,301.79	1/2	927.01	1/2	551.33	1/2	201.47	1/2		1/2	1/2	1/2		1/2	
3/4	2,044.12	3/4	1,668.43	3/4	1,294.02	3/4	919.19	3/4	543.51	3/4	194.88	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/03/2014 CL
CALCULATED: 12/03/2014 CL
PRINTED: 12/03/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
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1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

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

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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 29135"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,413.76	0	2,038.06	0	1,662.37	0	1,286.67	0	911.26	0	535.69	0	188.29	0		0		0	
1/4	2,405.93	1/4	2,030.24	1/4	1,654.54	1/4	1,278.84	1/4	903.44	1/4	527.88	1/4	181.70	1/4	1/4		1/4		1/4
1/2	2,398.10	1/2	2,022.41	1/2	1,646.71	1/2	1,271.02	1/2	895.63	1/2	520.06	1/2	175.11	1/2	1/2		1/2		1/2
3/4	2,390.28	3/4	2,014.58	3/4	1,638.89	3/4	1,263.19	3/4	887.81	3/4	512.29	3/4	168.63	3/4	3/4		3/4		3/4
1	2,382.45	1	2,006.75	1	1,631.06	1	1,255.36	1	880.00	1	504.52	1	162.15	1	1		1		1
1/4	2,374.62	1/4	1,998.93	1/4	1,623.23	1/4	1,247.54	1/4	872.18	1/4	496.75	1/4	155.67	1/4	1/4		1/4		1/4
1/2	2,366.80	1/2	1,991.10	1/2	1,615.40	1/2	1,239.71	1/2	864.37	1/2	488.98	1/2	149.19	1/2	1/2		1/2		1/2
3/4	2,358.97	3/4	1,983.27	3/4	1,607.58	3/4	1,231.88	3/4	856.55	3/4	481.31	3/4	142.83	3/4	3/4		3/4		3/4
2	2,351.14	2	1,975.45	2	1,599.75	2	1,224.05	2	848.73	2	473.63	2	136.47	2	2		2		2
1/4	2,343.32	1/4	1,967.62	1/4	1,591.92	1/4	1,216.23	1/4	840.91	1/4	465.95	1/4	130.10	1/4	1/4		1/4		1/4
1/2	2,335.49	1/2	1,959.79	1/2	1,584.10	1/2	1,208.40	1/2	833.09	1/2	458.28	1/2	123.74	1/2	1/2		1/2		1/2
3/4	2,327.66	3/4	1,951.97	3/4	1,576.27	3/4	1,200.57	3/4	825.27	3/4	450.71	3/4	117.50	3/4	3/4		3/4		3/4
3	2,319.83	3	1,944.14	3	1,568.44	3	1,192.75	3	817.44	3	443.14	3	111.25	3	3		3		3
1/4	2,312.01	1/4	1,936.31	1/4	1,560.62	1/4	1,184.92	1/4	809.61	1/4	435.57	1/4	105.01	1/4	1/4		1/4		1/4
1/2	2,304.18	1/2	1,928.48	1/2	1,552.79	1/2	1,177.09	1/2	801.78	1/2	428.00	1/2	98.77	1/2	1/2		1/2		1/2
3/4	2,296.35	3/4	1,920.66	3/4	1,544.96	3/4	1,169.27	3/4	793.96	3/4	420.54	3/4	92.65	3/4	3/4		3/4		3/4
4	2,288.53	4	1,912.83	4	1,537.13	4	1,161.44	4	786.13	4	413.08	4	86.54	4	4		4		4
1/4	2,280.70	1/4	1,905.00	1/4	1,529.31	1/4	1,153.61	1/4	778.30	1/4	405.62	1/4	80.42	1/4	1/4		1/4		1/4
1/2	2,272.87	1/2	1,897.18	1/2	1,521.48	1/2	1,145.78	1/2	770.48	1/2	398.16	1/2	74.31	1/2	1/2		1/2		1/2
3/4	2,265.05	3/4	1,889.35	3/4	1,513.65	3/4	1,137.96	3/4	762.65	3/4	390.81	3/4	68.33	3/4	3/4		3/4		3/4
5	2,257.22	5	1,881.52	5	1,505.83	5	1,130.13	5	754.82	5	383.46	5	62.36	5	5		5		5
1/4	2,249.39	1/4	1,873.70	1/4	1,498.00	1/4	1,122.30	1/4	747.00	1/4	376.11	1/4	56.38	1/4	1/4		1/4		1/4
1/2	2,241.56	1/2	1,865.87	1/2	1,490.17	1/2	1,114.48	1/2	739.17	1/2	368.76	1/2	50.41	1/2	1/2		1/2		1/2
3/4	2,233.74	3/4	1,858.04	3/4	1,482.35	3/4	1,106.65	3/4	731.34	3/4	361.52	3/4	45.02	3/4	3/4		3/4		3/4
6	2,225.91	6	1,850.21	6	1,474.52	6	1,098.83	6	723.52	6	354.27	6	39.64	6	6		6		6
1/4	2,218.08	1/4	1,842.39	1/4	1,466.69	1/4	1,091.01	1/4	715.69	1/4	347.03	1/4	34.26	1/4	1/4		1/4		1/4
1/2	2,210.26	1/2	1,834.56	1/2	1,458.86	1/2	1,083.19	1/2	707.86	1/2	339.79	1/2	28.87	1/2	1/2		1/2		1/2
3/4	2,202.43	3/4	1,826.73	3/4	1,451.04	3/4	1,075.37	3/4	700.04	3/4	332.66	3/4	24.93	3/4	3/4		3/4		3/4
7	2,194.60	7	1,818.91	7	1,443.21	7	1,067.56	7	692.21	7	325.52	7	20.99	7	7		7		7
1/4	2,186.78	1/4	1,811.08	1/4	1,435.38	1/4	1,059.74	1/4	684.38	1/4	318.39	1/4	17.05	1/4	1/4		1/4		1/4
1/2	2,178.95	1/2	1,803.25	1/2	1,427.56	1/2	1,051.93	1/2	676.56	1/2	311.26	1/2	13.11	1/2	1/2		1/2		1/2
3/4	2,171.12	3/4	1,795.43	3/4	1,419.73	3/4	1,044.11	3/4	668.73	3/4	304.23	3/4		3/4	3/4		3/4		3/4
8	2,163.29	8	1,787.60	8	1,411.90	8	1,036.30	8	660.90	8	297.21	8		8	8		8		8
1/4	2,155.47	1/4	1,779.77	1/4	1,404.08	1/4	1,028.48	1/4	653.08	1/4	290.18	1/4		1/4	1/4		1/4		1/4
1/2	2,147.64	1/2	1,771.94	1/2	1,396.25	1/2	1,020.67	1/2	645.25	1/2	283.16	1/2		1/2	1/2		1/2		1/2
3/4	2,139.81	3/4	1,764.12	3/4	1,388.42	3/4	1,012.85	3/4	637.42	3/4	276.24	3/4		3/4	3/4		3/4		3/4
9	2,131.99	9	1,756.29	9	1,380.59	9	1,005.04	9	629.60	9	269.32	9		9	9		9		9
1/4	2,124.16	1/4	1,748.46	1/4	1,372.77	1/4	997.22	1/4	621.77	1/4	262.41	1/4		1/4	1/4		1/4		1/4
1/2	2,116.33	1/2	1,740.64	1/2	1,364.94	1/2	989.41	1/2	613.94	1/2	255.49	1/2		1/2	1/2		1/2		1/2
3/4	2,108.51	3/4	1,732.81	3/4	1,357.11	3/4	981.59	3/4	606.11	3/4	248.68	3/4		3/4	3/4		3/4		3/4
10	2,100.68	10	1,724.98	10	1,349.29	10	973.78	10	598.29	10	241.88	10		10	10		10		10
1/4	2,092.85	1/4	1,717.16	1/4	1,341.46	1/4	965.96	1/4	590.46	1/4	235.07	1/4		1/4	1/4		1/4		1/4
1/2	2,085.02	1/2	1,709.33	1/2	1,333.63	1/2	958.15	1/2	582.63	1/2	228.26	1/2		1/2	1/2		1/2		1/2
3/4	2,077.20	3/4	1,701.50	3/4	1,325.81	3/4	950.33	3/4	574.81	3/4	221.56	3/4		3/4	3/4		3/4		3/4
11	2,069.37	11	1,693.67	11	1,317.98	11	942.52	11	566.98	11	214.87	11		11	11		11		11
1/4	2,061.54	1/4	1,685.85	1/4	1,310.15	1/4	934.70	1/4	559.15	1/4	208.17	1/4		1/4	1/4		1/4		1/4
1/2	2,053.72	1/2	1,678.02	1/2	1,302.32	1/2	926.89	1/2	551.33	1/2	201.47	1/2		1/2	1/2		1/2		1/2
3/4	2,045.89	3/4	1,670.19	3/4	1,294.50	3/4	919.07	3/4	543.51	3/4	194.88	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/03/2014 CL
CALCULATED: 12/03/2014 CL
PRINTED: 12/03/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 29135"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							4,764.96		4,448.01		4,124.62		3,786.10		3,432.96		3,075.39		2,716.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,759.85	1/4	4,441.43	1/4	4,117.72	1/4	3,778.89	1/4	3,425.52	1/4	3,067.91	1/4	2,708.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,754.74	1/2	4,434.85	1/2	4,110.82	1/2	3,771.68	1/2	3,418.07	1/2	3,060.43	1/2	2,701.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,748.40	3/4	4,428.25	3/4	4,103.90	3/4	3,764.44	3/4	3,410.62	3/4	3,052.95	3/4	2,693.96
1	1	1	1	1	1	1	4,742.06	1	4,421.64	1	4,096.98	1	3,757.20	1	3,403.17	1	3,045.47	1	2,686.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,735.72	1/4	4,415.04	1/4	4,090.06	1/4	3,749.96	1/4	3,395.73	1/4	3,037.99	1/4	2,679.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,729.38	1/2	4,408.44	1/2	4,083.14	1/2	3,742.72	1/2	3,388.28	1/2	3,030.51	1/2	2,671.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,722.15	3/4	4,401.80	3/4	4,076.20	3/4	3,735.46	3/4	3,380.83	3/4	3,023.04	3/4	2,664.04
2	2	2	2	2	2	2	4,714.93	2	4,395.17	2	4,069.25	2	3,728.20	2	3,373.39	2	3,015.56	2	2,656.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,707.70	1/4	4,388.54	1/4	4,062.31	1/4	3,720.94	1/4	3,365.94	1/4	3,008.08	1/4	2,649.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,700.47	1/2	4,381.91	1/2	4,055.36	1/2	3,713.68	1/2	3,358.49	1/2	3,000.60	1/2	2,641.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,693.03	3/4	4,375.25	3/4	4,048.39	3/4	3,706.39	3/4	3,351.05	3/4	2,993.12	3/4	2,634.12
3	3	3	3	3	3	3	4,685.58	3	4,368.60	3	4,041.41	3	3,699.10	3	3,343.60	3	2,985.64	3	2,626.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,678.13	1/4	4,361.94	1/4	4,034.44	1/4	3,691.82	1/4	3,336.15	1/4	2,978.16	1/4	2,619.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,670.69	1/2	4,355.28	1/2	4,027.47	1/2	3,684.53	1/2	3,328.70	1/2	2,970.68	1/2	2,611.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,663.64	3/4	4,348.60	3/4	4,020.47	3/4	3,677.21	3/4	3,321.26	3/4	2,963.20	3/4	2,604.21
4	4	4	4	4	4	4	4,656.59	4	4,341.91	4	4,013.47	4	3,669.90	4	3,313.81	4	2,955.72	4	2,596.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,649.54	1/4	4,335.23	1/4	4,006.47	1/4	3,662.59	1/4	3,306.36	1/4	2,948.24	1/4	2,589.25
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,642.49	1/2	4,328.54	1/2	3,999.47	1/2	3,655.27	1/2	3,298.92	1/2	2,940.77	1/2	2,581.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,636.09	3/4	4,321.83	3/4	3,992.45	3/4	3,647.93	3/4	3,291.47	3/4	2,933.29	3/4	2,574.29
5	5	5	5	5	5	5	4,629.70	5	4,315.12	5	3,985.42	5	3,640.59	5	3,284.02	5	2,925.81	5	2,566.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,623.30	1/4	4,308.41	1/4	3,978.40	1/4	3,633.25	1/4	3,276.58	1/4	2,918.33	1/4	2,559.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,616.90	1/2	4,301.70	1/2	3,971.37	1/2	3,625.91	1/2	3,269.13	1/2	2,910.85	1/2	2,551.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,610.48	3/4	4,294.97	3/4	3,964.32	3/4	3,618.54	3/4	3,261.68	3/4	2,903.37	3/4	2,544.37
6	6	6	6	6	6	6	4,604.06	6	4,288.23	6	3,957.27	6	3,611.18	6	3,254.23	6	2,895.89	6	2,536.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,597.64	1/4	4,281.49	1/4	3,950.22	1/4	3,603.81	1/4	3,246.79	1/4	2,888.41	1/4	2,529.42
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,591.22	1/2	4,274.76	1/2	3,943.17	1/2	3,596.44	1/2	3,239.34	1/2	2,880.93	1/2	2,521.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,584.77	3/4	4,267.99	3/4	3,936.09	3/4	3,589.05	3/4	3,231.89	3/4	2,873.45	3/4	2,514.46
7	7	7	7	7	7	7	4,578.32	7	4,261.23	7	3,929.01	7	3,581.66	7	3,224.45	7	2,865.97	7	2,506.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,571.87	1/4	4,254.47	1/4	3,921.93	1/4	3,574.26	1/4	3,217.00	1/4	2,858.50	1/4	2,499.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,565.42	1/2	4,247.70	1/2	3,914.85	1/2	3,566.87	1/2	3,209.55	1/2	2,851.02	1/2	2,492.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,558.94	3/4	4,240.91	3/4	3,907.75	3/4	3,559.45	3/4	3,202.11	3/4	2,843.54	3/4	2,484.54
8	8	8	8	8	8	8	4,552.47	8	4,234.12	8	3,900.64	8	3,552.03	8	3,194.66	8	2,836.06	8	2,477.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,545.99	1/4	4,227.33	1/4	3,893.54	1/4	3,544.61	1/4	3,187.21	1/4	2,828.58	1/4	2,469.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,539.52	1/2	4,220.54	1/2	3,886.43	1/2	3,537.19	1/2	3,179.76	1/2	2,821.10	1/2	2,462.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,533.01	3/4	4,213.72	3/4	3,879.30	3/4	3,529.75	3/4	3,172.32	3/4	2,813.62	3/4	2,454.62
9	9	9	9	9	9	9	4,526.51	9	4,206.90	9	3,872.17	9	3,522.31	9	3,164.87	9	2,806.14	9	2,447.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,520.01	1/4	4,200.09	1/4	3,865.03	1/4	3,514.87	1/4	3,157.42	1/4	2,798.66	1/4	2,439.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,513.50	1/2	4,193.27	1/2	3,857.90	1/2	3,507.43	1/2	3,149.98	1/2	2,791.18	1/2	2,432.19
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,506.98	3/4	4,186.43	3/4	3,850.74	3/4	3,499.99	3/4	3,142.53	3/4	2,783.70	3/4	2,424.71
10	10	10	10	10	10	10	4,500.45	10	4,179.58	10	3,843.59	10	3,492.54	10	3,135.08	10	2,776.23	10	2,417.23
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,493.92	1/4	4,172.74	1/4	3,836.43	1/4	3,485.09	1/4	3,127.64	1/4	2,768.75	1/4	2,409.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,487.39	1/2	4,165.89	1/2	3,829.27	1/2	3,477.64	1/2	3,120.19	1/2	2,761.27	1/2	2,402.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,480.83	3/4	4,159.02	3/4	3,822.08	3/4	3,470.20	3/4	3,112.73	3/4	2,753.79	3/4	2,394.79
11	11	11	11	11	11	11	4,474.28	11	4,152.15	11	3,814.90	11	3,462.75	11	3,105.27	11	2,746.31	11	2,387.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,467.72	1/4	4,145.28	1/4	3,807.71	1/4	3,455.30	1/4	3,097.81	1/4	2,738.83	1/4	2,379.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,461.16	1/2	4,138.41	1/2	3,800.53	1/2	3,447.86	1/2	3,090.35	1/2	2,731.35	1/2	2,372.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,454.59	3/4	4,131.52	3/4	3,793.31	3/4	3,440.41	3/4	3,082.87	3/4	2,723.87	3/4	2,364.88

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29135"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	2,357.40		1,998.40		1,639.40		1,289.31		944.54		586.92		227.93								
1/4	2,349.92	1/4	1,990.92	1/4	1,631.92	1/4	1,282.12	1/4	937.37	1/4	579.44	1/4	220.45	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,342.44	1/2	1,983.44	1/2	1,624.44	1/2	1,274.92	1/2	930.19	1/2	571.96	1/2	212.97	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,334.96	3/4	1,975.96	3/4	1,616.97	3/4	1,267.73	3/4	922.90	3/4	564.48	3/4	205.50	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,327.48	1	1,968.48	1	1,609.49	1	1,260.53	1	915.61	1	557.00	1	198.02	1	1	1	1	1	1	1	1
1/4	2,320.00	1/4	1,961.00	1/4	1,602.01	1/4	1,253.33	1/4	908.32	1/4	549.52	1/4	190.54	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,312.52	1/2	1,953.52	1/2	1,594.53	1/2	1,246.14	1/2	901.03	1/2	542.04	1/2	183.07	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,305.04	3/4	1,946.05	3/4	1,587.05	3/4	1,238.94	3/4	893.55	3/4	534.56	3/4	175.60	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,297.56	2	1,938.57	2	1,579.57	2	1,231.75	2	886.07	2	527.09	2	168.13	2	2	2	2	2	2	2	2
1/4	2,290.08	1/4	1,931.09	1/4	1,572.09	1/4	1,224.55	1/4	878.59	1/4	519.61	1/4	160.65	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,282.60	1/2	1,923.61	1/2	1,564.61	1/2	1,217.35	1/2	871.12	1/2	512.13	1/2	153.18	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,275.13	3/4	1,916.13	3/4	1,557.13	3/4	1,210.16	3/4	863.64	3/4	504.65	3/4	145.72	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	2,267.65	3	1,908.65	3	1,549.65	3	1,202.97	3	856.16	3	497.17	3	138.27	3	3	3	3	3	3	3	3
1/4	2,260.17	1/4	1,901.17	1/4	1,542.17	1/4	1,195.78	1/4	848.68	1/4	489.69	1/4	130.81	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,252.69	1/2	1,893.69	1/2	1,534.69	1/2	1,188.59	1/2	841.20	1/2	482.21	1/2	123.35	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,245.21	3/4	1,886.21	3/4	1,527.32	3/4	1,181.40	3/4	833.72	3/4	474.73	3/4	115.91	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	2,237.73	4	1,878.73	4	1,519.95	4	1,174.22	4	826.24	4	467.25	4	108.47	4	4	4	4	4	4	4	4
1/4	2,230.25	1/4	1,871.25	1/4	1,512.57	1/4	1,167.04	1/4	818.76	1/4	459.78	1/4	101.02	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,222.77	1/2	1,863.78	1/2	1,505.20	1/2	1,159.85	1/2	811.28	1/2	452.30	1/2	93.58	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,215.29	3/4	1,856.30	3/4	1,498.00	3/4	1,152.67	3/4	803.81	3/4	444.82	3/4	86.17	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	2,207.81	5	1,848.82	5	1,490.81	5	1,145.49	5	796.33	5	437.34	5	78.76	5	5	5	5	5	5	5	5
1/4	2,200.33	1/4	1,841.34	1/4	1,483.61	1/4	1,138.31	1/4	788.85	1/4	429.86	1/4	71.35	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,192.86	1/2	1,833.86	1/2	1,476.42	1/2	1,131.13	1/2	781.37	1/2	422.38	1/2	63.94	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,185.38	3/4	1,826.38	3/4	1,469.22	3/4	1,123.95	3/4	773.89	3/4	414.90	3/4	56.99	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	2,177.90	6	1,818.90	6	1,462.02	6	1,116.77	6	766.41	6	407.42	6	50.04	6	6	6	6	6	6	6	6
1/4	2,170.42	1/4	1,811.42	1/4	1,454.83	1/4	1,109.60	1/4	758.93	1/4	399.94	1/4	43.09	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,162.94	1/2	1,803.94	1/2	1,447.63	1/2	1,102.42	1/2	751.45	1/2	392.47	1/2	36.14	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,155.46	3/4	1,796.46	3/4	1,440.44	3/4	1,095.25	3/4	743.97	3/4	384.99	3/4	30.84	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	2,147.98	7	1,788.98	7	1,433.24	7	1,088.07	7	736.50	7	377.51	7	25.55	7	7	7	7	7	7	7	7
1/4	2,140.50	1/4	1,781.51	1/4	1,426.04	1/4	1,080.89	1/4	729.02	1/4	370.03	1/4	20.26	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,133.02	1/2	1,774.03	1/2	1,418.85	1/2	1,073.72	1/2	721.54	1/2	362.55	1/2	14.96	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,125.54	3/4	1,766.55	3/4	1,411.65	3/4	1,066.54	3/4	714.06	3/4	355.07	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	2,118.06	8	1,759.07	8	1,404.45	8	1,059.36	8	706.58	8	347.59	8		8	8	8	8	8	8	8	8
1/4	2,110.59	1/4	1,751.59	1/4	1,397.26	1/4	1,052.19	1/4	699.10	1/4	340.11	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,103.11	1/2	1,744.11	1/2	1,390.06	1/2	1,045.01	1/2	691.62	1/2	332.63	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,095.63	3/4	1,736.63	3/4	1,382.87	3/4	1,037.84	3/4	684.14	3/4	325.16	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	2,088.15	9	1,729.15	9	1,375.67	9	1,030.66	9	676.66	9	317.68	9		9	9	9	9	9	9	9	9
1/4	2,080.67	1/4	1,721.67	1/4	1,368.47	1/4	1,023.48	1/4	669.19	1/4	310.20	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,073.19	1/2	1,714.19	1/2	1,361.28	1/2	1,016.31	1/2	661.71	1/2	302.72	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,065.71	3/4	1,706.71	3/4	1,354.08	3/4	1,009.13	3/4	654.23	3/4	295.24	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	2,058.23	10	1,699.24	10	1,346.88	10	1,001.95	10	646.75	10	287.76	10		10	10	10	10	10	10	10	10
1/4	2,050.75	1/4	1,691.76	1/4	1,339.69	1/4	994.78	1/4	639.27	1/4	280.28	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,043.27	1/2	1,684.28	1/2	1,332.49	1/2	987.60	1/2	631.79	1/2	272.80	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,035.79	3/4	1,676.80	3/4	1,325.30	3/4	980.42	3/4	624.31	3/4	265.32	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	2,028.32	11	1,669.32	11	1,318.10	11	973.25	11	616.83	11	257.85	11		11	11	11	11	11	11	11	11
1/4	2,020.84	1/4	1,661.84	1/4	1,310.90	1/4	966.07	1/4	609.35	1/4	250.37	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,013.36	1/2	1,654.36	1/2	1,303.71	1/2	958.90	1/2	601.87	1/2	242.89	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,005.88	3/4	1,646.88	3/4	1,296.51	3/4	951.72	3/4	594.40	3/4	235.41	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.

STRAPPED: 12/03/2014 CL
CALCULATED: 12/03/2014 CL
PRINTED: 12/03/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2014

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



BARGE "KIRBY 29135"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

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

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 29135"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,381.81	0	2,022.76	0	1,663.72	0	1,304.67	0	945.92	0	586.99	0	227.96	0		0		0	
1/4	2,374.33	1/4	2,015.28	1/4	1,656.24	1/4	1,297.19	1/4	938.45	1/4	579.51	1/4	220.48	1/4	1/4	1/4		1/4	
1/2	2,366.85	1/2	2,007.80	1/2	1,648.76	1/2	1,289.71	1/2	930.98	1/2	572.03	1/2	213.00	1/2	1/2	1/2		1/2	
3/4	2,359.37	3/4	2,000.32	3/4	1,641.28	3/4	1,282.23	3/4	923.51	3/4	564.55	3/4	205.52	3/4	3/4	3/4		3/4	
1	2,351.89	1	1,992.84	1	1,633.80	1	1,274.75	1	916.05	1	557.07	1	198.04	1	1	1		1	
1/4	2,344.41	1/4	1,985.36	1/4	1,626.32	1/4	1,267.27	1/4	908.58	1/4	549.59	1/4	190.57	1/4	1/4	1/4		1/4	
1/2	2,336.93	1/2	1,977.88	1/2	1,618.84	1/2	1,259.79	1/2	901.11	1/2	542.11	1/2	183.09	1/2	1/2	1/2		1/2	
3/4	2,329.45	3/4	1,970.40	3/4	1,611.36	3/4	1,252.31	3/4	893.64	3/4	534.63	3/4	175.62	3/4	3/4	3/4		3/4	
2	2,321.97	2	1,962.92	2	1,603.88	2	1,244.83	2	886.16	2	527.15	2	168.15	2	2	2		2	
1/4	2,314.49	1/4	1,955.44	1/4	1,596.40	1/4	1,237.35	1/4	878.69	1/4	519.67	1/4	160.67	1/4	1/4	1/4		1/4	
1/2	2,307.01	1/2	1,947.96	1/2	1,588.92	1/2	1,229.87	1/2	871.22	1/2	512.19	1/2	153.20	1/2	1/2	1/2		1/2	
3/4	2,299.53	3/4	1,940.48	3/4	1,581.44	3/4	1,222.39	3/4	863.74	3/4	504.71	3/4	145.74	3/4	3/4	3/4		3/4	
3	2,292.05	3	1,933.00	3	1,573.96	3	1,214.91	3	856.26	3	497.23	3	138.28	3	3	3		3	
1/4	2,284.57	1/4	1,925.52	1/4	1,566.48	1/4	1,207.43	1/4	848.78	1/4	489.75	1/4	130.82	1/4	1/4	1/4		1/4	
1/2	2,277.09	1/2	1,918.04	1/2	1,559.00	1/2	1,199.95	1/2	841.30	1/2	482.27	1/2	123.36	1/2	1/2	1/2		1/2	
3/4	2,269.61	3/4	1,910.56	3/4	1,551.52	3/4	1,192.47	3/4	833.82	3/4	474.79	3/4	115.92	3/4	3/4	3/4		3/4	
4	2,262.13	4	1,903.08	4	1,544.04	4	1,184.99	4	826.34	4	467.31	4	108.48	4	4	4		4	
1/4	2,254.65	1/4	1,895.60	1/4	1,536.56	1/4	1,177.51	1/4	818.86	1/4	459.83	1/4	101.04	1/4	1/4	1/4		1/4	
1/2	2,247.17	1/2	1,888.12	1/2	1,529.08	1/2	1,170.03	1/2	811.38	1/2	452.35	1/2	93.59	1/2	1/2	1/2		1/2	
3/4	2,239.69	3/4	1,880.64	3/4	1,521.60	3/4	1,162.55	3/4	803.90	3/4	444.87	3/4	86.18	3/4	3/4	3/4		3/4	
5	2,232.21	5	1,873.16	5	1,514.12	5	1,155.07	5	796.42	5	437.39	5	78.77	5	5	5		5	
1/4	2,224.73	1/4	1,865.68	1/4	1,506.64	1/4	1,147.59	1/4	788.94	1/4	429.91	1/4	71.36	1/4	1/4	1/4		1/4	
1/2	2,217.25	1/2	1,858.20	1/2	1,499.16	1/2	1,140.11	1/2	781.46	1/2	422.43	1/2	63.95	1/2	1/2	1/2		1/2	
3/4	2,209.77	3/4	1,850.72	3/4	1,491.68	3/4	1,132.64	3/4	773.98	3/4	414.95	3/4	57.00	3/4	3/4	3/4		3/4	
6	2,202.29	6	1,843.24	6	1,484.20	6	1,125.16	6	766.50	6	407.47	6	50.05	6	6	6		6	
1/4	2,194.81	1/4	1,835.76	1/4	1,476.72	1/4	1,117.69	1/4	759.02	1/4	399.99	1/4	43.10	1/4	1/4	1/4		1/4	
1/2	2,187.33	1/2	1,828.28	1/2	1,469.24	1/2	1,110.21	1/2	751.54	1/2	392.51	1/2	36.14	1/2	1/2	1/2		1/2	
3/4	2,179.85	3/4	1,820.80	3/4	1,461.76	3/4	1,102.74	3/4	744.06	3/4	385.03	3/4	30.85	3/4	3/4	3/4		3/4	
7	2,172.37	7	1,813.32	7	1,454.28	7	1,095.27	7	736.58	7	377.55	7	25.55	7	7	7		7	
1/4	2,164.89	1/4	1,805.84	1/4	1,446.80	1/4	1,087.81	1/4	729.10	1/4	370.07	1/4	20.26	1/4	1/4	1/4		1/4	
1/2	2,157.41	1/2	1,798.36	1/2	1,439.32	1/2	1,080.34	1/2	721.62	1/2	362.59	1/2	14.96	1/2	1/2	1/2		1/2	
3/4	2,149.93	3/4	1,790.88	3/4	1,431.84	3/4	1,072.87	3/4	714.14	3/4	355.11	3/4		3/4	3/4	3/4		3/4	
8	2,142.45	8	1,783.40	8	1,424.36	8	1,065.40	8	706.66	8	347.63	8		8	8	8		8	
1/4	2,134.97	1/4	1,775.92	1/4	1,416.88	1/4	1,057.94	1/4	699.18	1/4	340.15	1/4		1/4	1/4	1/4		1/4	
1/2	2,127.49	1/2	1,768.44	1/2	1,409.40	1/2	1,050.47	1/2	691.70	1/2	332.67	1/2		1/2	1/2	1/2		1/2	
3/4	2,120.01	3/4	1,760.96	3/4	1,401.92	3/4	1,043.00	3/4	684.22	3/4	325.19	3/4		3/4	3/4	3/4		3/4	
9	2,112.52	9	1,753.48	9	1,394.44	9	1,035.53	9	676.75	9	317.71	9		9	9	9		9	
1/4	2,105.04	1/4	1,746.00	1/4	1,386.96	1/4	1,028.06	1/4	669.27	1/4	310.23	1/4		1/4	1/4	1/4		1/4	
1/2	2,097.56	1/2	1,738.52	1/2	1,379.48	1/2	1,020.60	1/2	661.79	1/2	302.76	1/2		1/2	1/2	1/2		1/2	
3/4	2,090.08	3/4	1,731.04	3/4	1,372.00	3/4	1,013.13	3/4	654.31	3/4	295.28	3/4		3/4	3/4	3/4		3/4	
10	2,082.60	10	1,723.56	10	1,364.51	10	1,005.66	10	646.83	10	287.80	10		10	10	10		10	
1/4	2,075.12	1/4	1,716.08	1/4	1,357.03	1/4	998.19	1/4	639.35	1/4	280.32	1/4		1/4	1/4	1/4		1/4	
1/2	2,067.64	1/2	1,708.60	1/2	1,349.55	1/2	990.72	1/2	631.87	1/2	272.84	1/2		1/2	1/2	1/2		1/2	
3/4	2,060.16	3/4	1,701.12	3/4	1,342.07	3/4	983.26	3/4	624.39	3/4	265.36	3/4		3/4	3/4	3/4		3/4	
11	2,052.68	11	1,693.64	11	1,334.59	11	975.79	11	616.91	11	257.88	11		11	11	11		11	
1/4	2,045.20	1/4	1,686.16	1/4	1,327.11	1/4	968.32	1/4	609.43	1/4	250.40	1/4		1/4	1/4	1/4		1/4	
1/2	2,037.72	1/2	1,678.68	1/2	1,319.63	1/2	960.85	1/2	601.95	1/2	242.92	1/2		1/2	1/2	1/2		1/2	
3/4	2,030.24	3/4	1,671.20	3/4	1,312.15	3/4	953.38	3/4	594.47	3/4	235.44	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/03/2014 CL
CALCULATED: 12/03/2014 CL
PRINTED: 12/03/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 29135"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4		1/4		1/4	4,356.58	1/4	4,115.75	1/4	3,869.40	1/4	3,611.06	1/4	3,341.02	1/4	2,988.72	1/4	2,632.36		
1/2		1/2		1/2		1/2	4,351.94	1/2	4,110.74	1/2	3,864.14	1/2	3,605.55	1/2	3,335.32	1/2	2,981.30	1/2	2,624.93		
3/4		3/4		3/4		3/4	4,347.31	3/4	4,105.73	3/4	3,858.87	3/4	3,600.04	3/4	3,329.61	3/4	2,973.87	3/4	2,617.51		
1		1		1		1	4,343.16	1	4,100.71	1	3,853.60	1	3,594.51	1	3,322.19	1	2,966.45	1	2,610.09		
1/4		1/4		1/4		1/4	4,339.01	1/4	4,095.68	1/4	3,848.32	1/4	3,588.98	1/4	3,314.76	1/4	2,959.02	1/4	2,602.66		
1/2		1/2		1/2		1/2	4,334.86	1/2	4,090.66	1/2	3,843.04	1/2	3,583.45	1/2	3,307.33	1/2	2,951.60	1/2	2,595.24		
3/4		3/4		3/4		3/4	4,330.71	3/4	4,085.63	3/4	3,837.76	3/4	3,577.92	3/4	3,299.90	3/4	2,944.18	3/4	2,587.81		
2		2		2		2	4,325.35	2	4,080.58	2	3,832.47	2	3,572.37	2	3,292.48	2	2,936.75	2	2,580.39		
1/4		1/4		1/4		1/4	4,320.00	1/4	4,075.53	1/4	3,827.17	1/4	3,566.82	1/4	3,285.05	1/4	2,929.33	1/4	2,572.97		
1/2		1/2		1/2		1/2	4,314.64	1/2	4,070.48	1/2	3,821.87	1/2	3,561.27	1/2	3,277.62	1/2	2,921.90	1/2	2,565.54		
3/4		3/4		3/4		3/4	4,309.29	3/4	4,065.43	3/4	3,816.58	3/4	3,555.72	3/4	3,270.20	3/4	2,914.48	3/4	2,558.12		
3		3		3		3	4,303.59	3	4,060.37	3	3,811.26	3	3,550.15	3	3,262.77	3	2,907.05	3	2,550.69		
1/4		1/4		1/4		1/4	4,297.88	1/4	4,055.30	1/4	3,805.94	1/4	3,544.59	1/4	3,255.34	1/4	2,899.63	1/4	2,543.27		
1/2		1/2		1/2		1/2	4,292.18	1/2	4,050.23	1/2	3,800.62	1/2	3,539.02	1/2	3,247.91	1/2	2,892.21	1/2	2,535.84		
3/4		3/4		3/4		3/4	4,286.48	3/4	4,045.16	3/4	3,795.30	3/4	3,533.45	3/4	3,240.49	3/4	2,884.78	3/4	2,528.42		
4		4		4		4	4,280.77	4	4,040.07	4	3,789.96	4	3,527.86	4	3,233.06	4	2,877.36	4	2,521.00		
1/4		1/4		1/4		1/4	4,275.07	1/4	4,034.98	1/4	3,784.62	1/4	3,522.27	1/4	3,225.63	1/4	2,869.93	1/4	2,513.57		
1/2		1/2		1/2		1/2	4,269.37	1/2	4,029.89	1/2	3,779.28	1/2	3,516.68	1/2	3,218.20	1/2	2,862.51	1/2	2,506.15		
3/4		3/4		3/4		3/4	4,263.66	3/4	4,024.80	3/4	3,773.94	3/4	3,511.09	3/4	3,210.78	3/4	2,855.09	3/4	2,498.72		
5		5		5		5	4,258.80	5	4,019.69	5	3,768.58	5	3,505.48	5	3,203.38	5	2,847.66	5	2,491.30		
1/4		1/4		1/4		1/4	4,253.94	1/4	4,014.58	1/4	3,763.22	1/4	3,499.87	1/4	3,195.98	1/4	2,840.24	1/4	2,483.88		
1/2		1/2		1/2		1/2	4,249.08	1/2	4,009.47	1/2	3,757.85	1/2	3,494.26	1/2	3,188.58	1/2	2,832.81	1/2	2,476.45		
3/4		3/4		3/4		3/4	4,244.21	3/4	4,004.36	3/4	3,752.49	3/4	3,488.65	3/4	3,181.18	3/4	2,825.39	3/4	2,469.03		
6		6		6		6	4,239.33	6	3,999.23	6	3,747.11	6	3,483.02	6	3,173.78	6	2,817.96	6	2,461.60		
1/4		1/4		1/4		1/4	4,234.45	1/4	3,994.09	1/4	3,741.73	1/4	3,477.39	1/4	3,166.38	1/4	2,810.54	1/4	2,454.18		
1/2		1/2		1/2		1/2	4,229.57	1/2	3,988.96	1/2	3,736.35	1/2	3,471.76	1/2	3,158.98	1/2	2,803.12	1/2	2,446.75		
3/4		3/4		3/4		3/4	4,224.69	3/4	3,983.83	3/4	3,730.97	3/4	3,466.12	3/4	3,151.58	3/4	2,795.69	3/4	2,439.33		
7		7		7		7	4,219.78	7	3,978.67	7	3,725.57	7	3,460.47	7	3,144.17	7	2,788.27	7	2,431.91		
1/4		1/4		1/4		1/4	4,214.88	1/4	3,973.52	1/4	3,720.16	1/4	3,454.82	1/4	3,136.77	1/4	2,780.84	1/4	2,424.48		
1/2		1/2		1/2		1/2	4,209.97	1/2	3,968.37	1/2	3,714.76	1/2	3,449.17	1/2	3,129.37	1/2	2,773.42	1/2	2,417.06		
3/4		3/4		3/4		3/4	4,205.07	3/4	3,963.22	3/4	3,709.36	3/4	3,443.52	3/4	3,121.97	3/4	2,765.99	3/4	2,409.63		
8		8		8		8	4,200.15	8	3,958.04	8	3,703.93	8	3,437.84	8	3,114.57	8	2,758.57	8	2,402.21		
1/4		1/4		1/4		1/4	4,195.22	1/4	3,952.87	1/4	3,698.51	1/4	3,432.17	1/4	3,107.17	1/4	2,751.15	1/4	2,394.78		
1/2		1/2		1/2		1/2	4,190.30	1/2	3,947.69	1/2	3,693.09	1/2	3,426.49	1/2	3,099.77	1/2	2,743.72	1/2	2,387.36		
3/4		3/4		3/4		3/4	4,185.38	3/4	3,942.51	3/4	3,687.67	3/4	3,420.82	3/4	3,092.37	3/4	2,736.30	3/4	2,379.94		
9		9		9		9	4,180.43	9	3,937.32	9	3,682.22	9	3,415.13	9	3,084.97	9	2,728.87	9	2,372.51		
1/4		1/4		1/4		1/4	4,175.48	1/4	3,932.13	1/4	3,676.77	1/4	3,409.43	1/4	3,077.57	1/4	2,721.45	1/4	2,365.09		
1/2		1/2		1/2		1/2	4,170.53	1/2	3,926.93	1/2	3,671.33	1/2	3,403.74	1/2	3,070.17	1/2	2,714.03	1/2	2,357.66		
3/4		3/4		3/4		3/4	4,165.59	3/4	3,921.74	3/4	3,665.88	3/4	3,398.05	3/4	3,062.77	3/4	2,706.60	3/4	2,350.24		
10		10		10		10	4,160.62	10	3,916.52	10	3,660.42	10	3,392.34	10	3,055.37	10	2,699.18	10	2,342.81		
1/4		1/4		1/4		1/4	4,155.66	1/4	3,911.30	1/4	3,654.95	1/4	3,386.64	1/4	3,047.97	1/4	2,691.75	1/4	2,335.39		
1/2		1/2		1/2		1/2	4,150.69	1/2	3,906.08	1/2	3,649.49	1/2	3,380.94	1/2	3,040.57	1/2	2,684.33	1/2	2,327.96		
3/4		3/4		3/4		3/4	4,145.73	3/4	3,900.86	3/4	3,644.02	3/4	3,375.24	3/4	3,033.17	3/4	2,676.90	3/4	2,320.54		
11		11		11		11	4,140.73	11	3,895.63	11	3,638.53	11	3,369.53	11	3,025.77	11	2,669.48	11	2,313.11		
1/4		1/4		1/4		1/4	4,135.74	1/4	3,890.39	1/4	3,633.05	1/4	3,363.83	1/4	3,018.37	1/4	2,662.06	1/4	2,305.69		
1/2		1/2		1/2		1/2	4,130.75	1/2	3,885.16	1/2	3,627.56	1/2	3,358.13	1/2	3,010.97	1/2	2,654.63	1/2	2,298.26		
3/4		3/4		3/4		3/4	4,365.84	3/4	4,125.76	3/4	3,879.92	3/4	3,622.07	3/4	3,352.42	3/4	3,003.57	3/4	2,647.21		
12		12		12		12	4,361.21	12	4,120.75	12	3,874.66	12	3,616.56	12	3,346.72	12	2,996.14	12	2,639.78		

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 29135"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,275.99	0	1,919.18	0	1,563.33	0	1,206.86	0	862.68	0	505.77	0	148.65	0		0		0	
1/4	2,268.57	1/4	1,911.74	1/4	1,555.92	1/4	1,199.68	1/4	855.27	1/4	498.33	1/4	141.21	1/4	1/4	1/4		1/4	1/4
1/2	2,261.14	1/2	1,904.30	1/2	1,548.50	1/2	1,192.51	1/2	847.85	1/2	490.89	1/2	133.77	1/2	1/2	1/2		1/2	1/2
3/4	2,253.72	3/4	1,896.89	3/4	1,541.07	3/4	1,185.34	3/4	840.43	3/4	483.45	3/4	126.33	3/4	3/4	3/4		3/4	3/4
1	2,246.29	1	1,889.48	1	1,533.63	1	1,178.17	1	833.01	1	476.01	1	118.89	1	1	1		1	1
1/4	2,238.87	1/4	1,882.07	1/4	1,526.19	1/4	1,171.00	1/4	825.59	1/4	468.57	1/4	111.45	1/4	1/4	1/4		1/4	1/4
1/2	2,231.44	1/2	1,874.65	1/2	1,518.75	1/2	1,163.83	1/2	818.17	1/2	461.13	1/2	104.01	1/2	1/2	1/2		1/2	1/2
3/4	2,224.02	3/4	1,867.24	3/4	1,511.31	3/4	1,156.66	3/4	810.75	3/4	453.69	3/4	96.88	3/4	3/4	3/4		3/4	3/4
2	2,216.59	2	1,859.83	2	1,503.87	2	1,149.49	2	803.33	2	446.25	2	89.76	2	2	2		2	2
1/4	2,209.17	1/4	1,852.42	1/4	1,496.43	1/4	1,142.32	1/4	795.91	1/4	438.81	1/4	82.63	1/4	1/4	1/4		1/4	1/4
1/2	2,201.74	1/2	1,845.00	1/2	1,488.99	1/2	1,135.15	1/2	788.50	1/2	431.37	1/2	75.51	1/2	1/2	1/2		1/2	1/2
3/4	2,194.32	3/4	1,837.59	3/4	1,481.56	3/4	1,127.98	3/4	781.06	3/4	423.93	3/4	69.32	3/4	3/4	3/4		3/4	3/4
3	2,186.89	3	1,830.18	3	1,474.12	3	1,120.81	3	773.62	3	416.49	3	63.14	3	3	3		3	3
1/4	2,179.47	1/4	1,822.77	1/4	1,466.68	1/4	1,113.64	1/4	766.18	1/4	409.05	1/4	56.96	1/4	1/4	1/4		1/4	1/4
1/2	2,172.04	1/2	1,815.35	1/2	1,459.24	1/2	1,106.46	1/2	758.74	1/2	401.61	1/2	50.77	1/2	1/2	1/2		1/2	1/2
3/4	2,164.62	3/4	1,807.94	3/4	1,451.80	3/4	1,099.29	3/4	751.30	3/4	394.17	3/4	45.84	3/4	3/4	3/4		3/4	3/4
4	2,157.20	4	1,800.53	4	1,444.36	4	1,092.12	4	743.86	4	386.73	4	40.92	4	4	4		4	4
1/4	2,149.77	1/4	1,793.12	1/4	1,436.92	1/4	1,084.95	1/4	736.42	1/4	379.29	1/4	35.99	1/4	1/4	1/4		1/4	1/4
1/2	2,142.35	1/2	1,785.70	1/2	1,429.48	1/2	1,077.78	1/2	728.98	1/2	371.85	1/2	31.06	1/2	1/2	1/2		1/2	1/2
3/4	2,134.91	3/4	1,778.29	3/4	1,422.04	3/4	1,070.62	3/4	721.53	3/4	364.41	3/4	27.39	3/4	3/4	3/4		3/4	3/4
5	2,127.47	5	1,770.88	5	1,414.61	5	1,063.47	5	714.09	5	356.97	5	23.73	5	5	5		5	5
1/4	2,120.03	1/4	1,763.47	1/4	1,407.17	1/4	1,056.31	1/4	706.65	1/4	349.53	1/4	20.06	1/4	1/4	1/4		1/4	1/4
1/2	2,112.59	1/2	1,756.05	1/2	1,399.73	1/2	1,049.15	1/2	699.21	1/2	342.09	1/2	16.40	1/2	1/2	1/2		1/2	1/2
3/4	2,105.15	3/4	1,748.64	3/4	1,392.29	3/4	1,042.00	3/4	691.77	3/4	334.65	3/4		3/4	3/4	3/4		3/4	3/4
6	2,097.71	6	1,741.23	6	1,384.85	6	1,034.84	6	684.33	6	327.21	6		6	6	6		6	6
1/4	2,090.27	1/4	1,733.82	1/4	1,377.41	1/4	1,027.68	1/4	676.89	1/4	319.77	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,082.84	1/2	1,726.40	1/2	1,369.97	1/2	1,020.53	1/2	669.45	1/2	312.33	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,075.40	3/4	1,718.99	3/4	1,362.53	3/4	1,013.37	3/4	662.01	3/4	304.89	3/4		3/4	3/4	3/4		3/4	3/4
7	2,067.96	7	1,711.58	7	1,355.10	7	1,006.22	7	654.57	7	297.45	7		7	7	7		7	7
1/4	2,060.52	1/4	1,704.17	1/4	1,347.66	1/4	999.07	1/4	647.13	1/4	290.01	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,053.08	1/2	1,696.75	1/2	1,340.22	1/2	991.91	1/2	639.69	1/2	282.57	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,045.64	3/4	1,689.34	3/4	1,332.78	3/4	984.76	3/4	632.25	3/4	275.13	3/4		3/4	3/4	3/4		3/4	3/4
8	2,038.20	8	1,681.93	8	1,325.34	8	977.61	8	624.81	8	267.69	8		8	8	8		8	8
1/4	2,030.76	1/4	1,674.52	1/4	1,317.90	1/4	970.46	1/4	617.37	1/4	260.25	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,023.33	1/2	1,667.10	1/2	1,310.46	1/2	963.32	1/2	609.93	1/2	252.81	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,015.89	3/4	1,659.69	3/4	1,303.02	3/4	956.17	3/4	602.49	3/4	245.37	3/4		3/4	3/4	3/4		3/4	3/4
9	2,008.45	9	1,652.28	9	1,295.59	9	949.02	9	595.05	9	237.93	9		9	9	9		9	9
1/4	2,001.01	1/4	1,644.87	1/4	1,288.15	1/4	941.87	1/4	587.61	1/4	230.49	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,993.57	1/2	1,637.45	1/2	1,280.71	1/2	934.72	1/2	580.17	1/2	223.05	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,986.13	3/4	1,630.04	3/4	1,273.27	3/4	927.57	3/4	572.73	3/4	215.61	3/4		3/4	3/4	3/4		3/4	3/4
10	1,978.69	10	1,622.63	10	1,265.83	10	920.42	10	565.29	10	208.17	10		10	10	10		10	10
1/4	1,971.25	1/4	1,615.22	1/4	1,258.39	1/4	913.27	1/4	557.85	1/4	200.73	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,963.81	1/2	1,607.80	1/2	1,250.95	1/2	906.12	1/2	550.41	1/2	193.29	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,956.38	3/4	1,600.39	3/4	1,243.51	3/4	898.97	3/4	542.97	3/4	185.85	3/4		3/4	3/4	3/4		3/4	3/4
11	1,948.94	11	1,592.98	11	1,236.07	11	891.82	11	535.53	11	178.41	11		11	11	11		11	11
1/4	1,941.50	1/4	1,585.57	1/4	1,228.64	1/4	884.67	1/4	528.09	1/4	170.97	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,934.06	1/2	1,578.15	1/2	1,221.20	1/2	877.52	1/2	520.65	1/2	163.53	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,926.62	3/4	1,570.74	3/4	1,214.03	3/4	870.10	3/4	513.21	3/4	156.09	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/03/2014 CL
CALCULATED: 12/03/2014 CL
PRINTED: 12/03/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 29135"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0		
							4,374.66		4,131.95		3,883.97		3,623.99		3,352.40		2,994.75		2,637.11		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,370.49	1/4	4,126.90	1/4	3,878.66	1/4	3,618.44	1/4	3,344.95	1/4	2,987.30	1/4	2,629.66		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,366.31	1/2	4,121.85	1/2	3,873.36	1/2	3,612.88	1/2	3,337.50	1/2	2,979.85	1/2	2,622.20		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,362.14	3/4	4,116.81	3/4	3,868.06	3/4	3,607.33	3/4	3,330.05	3/4	2,972.40	3/4	2,614.75		
1	1	1	1	1	1	1	4,357.96	1	4,111.76	1	3,862.76	1	3,601.77	1	3,322.60	1	2,964.95	1	2,607.30		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,352.59	1/4	4,106.68	1/4	3,857.44	1/4	3,596.20	1/4	3,315.15	1/4	2,957.50	1/4	2,599.85		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,347.21	1/2	4,101.61	1/2	3,852.12	1/2	3,590.63	1/2	3,307.70	1/2	2,950.05	1/2	2,592.40		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,341.83	3/4	4,096.54	3/4	3,846.80	3/4	3,585.05	3/4	3,300.25	3/4	2,942.60	3/4	2,584.95		
2	2	2	2	2	2	2	4,336.45	2	4,091.47	2	3,841.48	2	3,579.48	2	3,292.79	2	2,935.15	2	2,577.50		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,330.72	1/4	4,086.37	1/4	3,836.13	1/4	3,573.89	1/4	3,285.34	1/4	2,927.70	1/4	2,570.05		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,325.00	1/2	4,081.28	1/2	3,830.79	1/2	3,568.30	1/2	3,277.89	1/2	2,920.24	1/2	2,562.60		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,319.27	3/4	4,076.19	3/4	3,825.45	3/4	3,562.71	3/4	3,270.44	3/4	2,912.79	3/4	2,555.15		
3	3	3	3	3	3	3	4,313.54	3	4,071.10	3	3,820.10	3	3,557.12	3	3,262.99	3	2,905.34	3	2,547.69		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,307.82	1/4	4,065.99	1/4	3,814.74	1/4	3,551.50	1/4	3,255.54	1/4	2,897.89	1/4	2,540.24		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,302.09	1/2	4,060.87	1/2	3,809.38	1/2	3,545.89	1/2	3,248.09	1/2	2,890.44	1/2	2,532.79		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,296.36	3/4	4,055.76	3/4	3,804.02	3/4	3,540.27	3/4	3,240.64	3/4	2,882.99	3/4	2,525.34		
4	4	4	4	4	4	4	4,290.64	4	4,050.64	4	3,798.66	4	3,534.66	4	3,233.19	4	2,875.54	4	2,517.89		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,285.75	1/4	4,045.51	1/4	3,793.27	1/4	3,529.03	1/4	3,225.74	1/4	2,868.09	1/4	2,510.44		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,280.87	1/2	4,040.38	1/2	3,787.88	1/2	3,523.39	1/2	3,218.28	1/2	2,860.64	1/2	2,502.99		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,275.98	3/4	4,035.24	3/4	3,782.50	3/4	3,517.76	3/4	3,210.83	3/4	2,853.19	3/4	2,495.54		
5	5	5	5	5	5	5	4,271.09	5	4,030.11	5	3,777.11	5	3,512.13	5	3,203.38	5	2,845.73	5	2,488.09		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,266.19	1/4	4,024.95	1/4	3,771.71	1/4	3,506.47	1/4	3,195.93	1/4	2,838.28	1/4	2,480.64		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,261.28	1/2	4,019.79	1/2	3,766.30	1/2	3,500.81	1/2	3,188.48	1/2	2,830.83	1/2	2,473.18		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,256.38	3/4	4,014.64	3/4	3,760.90	3/4	3,495.16	3/4	3,181.03	3/4	2,823.38	3/4	2,465.73		
6	6	6	6	6	6	6	4,251.47	6	4,009.48	6	3,755.50	6	3,489.50	6	3,173.58	6	2,815.93	6	2,458.28		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,246.55	1/4	4,004.31	1/4	3,750.07	1/4	3,483.82	1/4	3,166.13	1/4	2,808.48	1/4	2,450.83		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,241.62	1/2	3,999.13	1/2	3,744.64	1/2	3,478.15	1/2	3,158.68	1/2	2,801.03	1/2	2,443.38		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,236.69	3/4	3,993.95	3/4	3,739.21	3/4	3,472.47	3/4	3,151.23	3/4	2,793.58	3/4	2,435.93		
7	7	7	7	7	7	7	4,231.76	7	3,988.78	7	3,733.79	7	3,466.80	7	3,143.77	7	2,786.13	7	2,428.48		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,226.81	1/4	3,983.58	1/4	3,728.34	1/4	3,461.10	1/4	3,136.32	1/4	2,778.68	1/4	2,421.03		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,221.87	1/2	3,978.38	1/2	3,722.89	1/2	3,455.40	1/2	3,128.87	1/2	2,771.22	1/2	2,413.58		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,216.92	3/4	3,973.18	3/4	3,717.45	3/4	3,449.70	3/4	3,121.42	3/4	2,763.77	3/4	2,406.13		
8	8	8	8	8	8	8	4,211.97	8	3,967.98	8	3,712.00	8	3,444.01	8	3,113.97	8	2,756.32	8	2,398.67		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,207.00	1/4	3,962.76	1/4	3,706.53	1/4	3,438.29	1/4	3,106.52	1/4	2,748.87	1/4	2,391.22		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,202.03	1/2	3,957.55	1/2	3,701.06	1/2	3,432.57	1/2	3,099.07	1/2	2,741.42	1/2	2,383.77		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,197.06	3/4	3,952.33	3/4	3,695.59	3/4	3,426.85	3/4	3,091.62	3/4	2,733.97	3/4	2,376.32		
9	9	9	9	9	9	9	4,192.09	9	3,947.11	9	3,690.12	9	3,421.14	9	3,084.17	9	2,726.52	9	2,368.87		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,187.10	1/4	3,941.87	1/4	3,684.63	1/4	3,415.41	1/4	3,076.72	1/4	2,719.07	1/4	2,361.42		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,182.11	1/2	3,936.63	1/2	3,679.14	1/2	3,409.68	1/2	3,069.26	1/2	2,711.62	1/2	2,353.97		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,177.12	3/4	3,931.39	3/4	3,673.65	3/4	3,403.95	3/4	3,061.81	3/4	2,704.17	3/4	2,346.52		
10	10	10	10	10	10	10	4,172.13	10	3,926.14	10	3,668.17	10	3,398.22	10	3,054.36	10	2,696.71	10	2,339.07		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,167.12	1/4	3,920.88	1/4	3,662.65	1/4	3,392.50	1/4	3,046.91	1/4	2,689.26	1/4	2,331.62		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,162.10	1/2	3,915.62	1/2	3,657.14	1/2	3,386.77	1/2	3,039.46	1/2	2,681.81	1/2	2,324.16		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,157.09	3/4	3,910.36	3/4	3,651.63	3/4	3,381.04	3/4	3,032.01	3/4	2,674.36	3/4	2,316.71		
11	11	11	11	11	11	11	4,393.29	11	4,152.08	11	3,905.11	11	3,646.11	11	3,375.31	11	3,024.56	11	2,666.91		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,388.63	1/4	4,147.05	1/4	3,899.82	1/4	3,640.58	1/4	3,369.59	1/4	3,017.11	1/4	2,659.46	1/4	2,301.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,383.97	1/2	4,142.01	1/2	3,894.54	1/2	3,635.05	1/2	3,363.86	1/2	3,009.66	1/2	2,652.01	1/2	2,294.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,379.32	3/4	4,136.98	3/4	3,889.25	3/4	3,629.52	3/4	3,358.13	3/4	3,002.21	3/4	2,644.56	3/4	2,286.91

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 29135"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,279.46	0	1,921.81	0	1,564.16	0	1,206.51	0	849.15	0	491.61	0	133.97	0		0		0	
1/4	2,272.01	1/4	1,914.36	1/4	1,556.71	1/4	1,199.06	1/4	841.72	1/4	484.16	1/4	126.52	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,264.56	1/2	1,906.91	1/2	1,549.26	1/2	1,191.61	1/2	834.28	1/2	476.71	1/2	119.07	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,257.11	3/4	1,899.46	3/4	1,541.81	3/4	1,184.16	3/4	826.84	3/4	469.26	3/4	111.62	3/4	3/4	3/4	3/4	3/4	3/4
1	2,249.65	1	1,892.01	1	1,534.36	1	1,176.71	1	819.40	1	461.81	1	104.17	1	1	1	1	1	1
1/4	2,242.20	1/4	1,884.56	1/4	1,526.91	1/4	1,169.26	1/4	811.96	1/4	454.36	1/4	97.04	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,234.75	1/2	1,877.10	1/2	1,519.46	1/2	1,161.81	1/2	804.52	1/2	446.91	1/2	89.90	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,227.30	3/4	1,869.65	3/4	1,512.01	3/4	1,154.36	3/4	797.08	3/4	439.45	3/4	82.76	3/4	3/4	3/4	3/4	3/4	3/4
2	2,219.85	2	1,862.20	2	1,504.55	2	1,146.91	2	789.64	2	432.00	2	75.63	2	2	2	2	2	2
1/4	2,212.40	1/4	1,854.75	1/4	1,497.10	1/4	1,139.46	1/4	782.19	1/4	424.55	1/4	69.43	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,204.95	1/2	1,847.30	1/2	1,489.65	1/2	1,132.00	1/2	774.74	1/2	417.10	1/2	63.24	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,197.50	3/4	1,839.85	3/4	1,482.20	3/4	1,124.55	3/4	767.29	3/4	409.65	3/4	57.04	3/4	3/4	3/4	3/4	3/4	3/4
3	2,190.05	3	1,832.40	3	1,474.75	3	1,117.10	3	759.84	3	402.20	3	50.85	3	3	3	3	3	3
1/4	2,182.60	1/4	1,824.95	1/4	1,467.30	1/4	1,109.65	1/4	752.39	1/4	394.75	1/4	45.91	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,175.14	1/2	1,817.50	1/2	1,459.85	1/2	1,102.20	1/2	744.94	1/2	387.30	1/2	40.97	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,167.69	3/4	1,810.05	3/4	1,452.40	3/4	1,094.75	3/4	737.49	3/4	379.85	3/4	36.03	3/4	3/4	3/4	3/4	3/4	3/4
4	2,160.24	4	1,802.59	4	1,444.95	4	1,087.30	4	730.04	4	372.40	4	31.09	4	4	4	4	4	4
1/4	2,152.79	1/4	1,795.14	1/4	1,437.50	1/4	1,079.85	1/4	722.59	1/4	364.95	1/4	27.42	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,145.34	1/2	1,787.69	1/2	1,430.04	1/2	1,072.40	1/2	715.13	1/2	357.50	1/2	23.74	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,137.89	3/4	1,780.24	3/4	1,422.59	3/4	1,064.95	3/4	707.68	3/4	350.05	3/4	20.07	3/4	3/4	3/4	3/4	3/4	3/4
5	2,130.44	5	1,772.79	5	1,415.14	5	1,057.49	5	700.23	5	342.59	5	16.39	5	5	5	5	5	5
1/4	2,122.99	1/4	1,765.34	1/4	1,407.69	1/4	1,050.04	1/4	692.78	1/4	335.14	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,115.54	1/2	1,757.89	1/2	1,400.24	1/2	1,042.59	1/2	685.33	1/2	327.69	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,108.09	3/4	1,750.44	3/4	1,392.79	3/4	1,035.14	3/4	677.88	3/4	320.24	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,100.63	6	1,742.99	6	1,385.34	6	1,027.69	6	670.43	6	312.79	6		6	6	6	6	6	6
1/4	2,093.18	1/4	1,735.54	1/4	1,377.89	1/4	1,020.25	1/4	662.98	1/4	305.34	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,085.73	1/2	1,728.08	1/2	1,370.44	1/2	1,012.81	1/2	655.53	1/2	297.89	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,078.28	3/4	1,720.63	3/4	1,362.99	3/4	1,005.37	3/4	648.08	3/4	290.44	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	2,070.83	7	1,713.18	7	1,355.53	7	997.93	7	640.63	7	282.99	7		7	7	7	7	7	7
1/4	2,063.38	1/4	1,705.73	1/4	1,348.08	1/4	990.50	1/4	633.18	1/4	275.54	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,055.93	1/2	1,698.28	1/2	1,340.63	1/2	983.06	1/2	625.72	1/2	268.09	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,048.48	3/4	1,690.83	3/4	1,333.18	3/4	975.62	3/4	618.27	3/4	260.64	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	2,041.03	8	1,683.38	8	1,325.73	8	968.18	8	610.82	8	253.18	8		8	8	8	8	8	8
1/4	2,033.58	1/4	1,675.93	1/4	1,318.28	1/4	960.74	1/4	603.37	1/4	245.73	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,026.12	1/2	1,668.48	1/2	1,310.83	1/2	953.30	1/2	595.92	1/2	238.28	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,018.67	3/4	1,661.03	3/4	1,303.38	3/4	945.86	3/4	588.47	3/4	230.83	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,011.22	9	1,653.57	9	1,295.93	9	938.42	9	581.02	9	223.38	9		9	9	9	9	9	9
1/4	2,003.77	1/4	1,646.12	1/4	1,288.48	1/4	930.98	1/4	573.57	1/4	215.93	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,996.32	1/2	1,638.67	1/2	1,281.02	1/2	923.54	1/2	566.12	1/2	208.48	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,988.87	3/4	1,631.22	3/4	1,273.57	3/4	916.11	3/4	558.67	3/4	201.03	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,981.42	10	1,623.77	10	1,266.12	10	908.67	10	551.22	10	193.58	10		10	10	10	10	10	10
1/4	1,973.97	1/4	1,616.32	1/4	1,258.67	1/4	901.23	1/4	543.77	1/4	186.13	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,966.52	1/2	1,608.87	1/2	1,251.22	1/2	893.79	1/2	536.32	1/2	178.68	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,959.07	3/4	1,601.42	3/4	1,243.77	3/4	886.35	3/4	528.86	3/4	171.23	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,951.61	11	1,593.97	11	1,236.32	11	878.91	11	521.41	11	163.78	11		11	11	11	11	11	11
1/4	1,944.16	1/4	1,586.52	1/4	1,228.87	1/4	871.47	1/4	513.96	1/4	156.32	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,936.71	1/2	1,579.06	1/2	1,221.42	1/2	864.03	1/2	506.51	1/2	148.87	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,929.26	3/4	1,571.61	3/4	1,213.97	3/4	856.59	3/4	499.06	3/4	141.42	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/03/2014 CL
CALCULATED: 12/03/2014 CL
PRINTED: 12/03/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2014

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