



# BARGE "KIRBY 29134"

## 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	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	01-1/8	- 01-1/8	01-1/2	- 01-1/2	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"

November 26, 2014

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 29134"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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	4,389.01	0	4,148.04	0	3,901.31	0	3,642.57	0	3,372.02	0	3,021.60	0	2,664.30
1/4		1/4		1/4		1/4	4,384.36	1/4	4,143.01	1/4	3,896.03	1/4	3,637.04	1/4	3,366.30	1/4	3,014.16	1/4	2,656.86
1/2		1/2		1/2		1/2	4,379.71	1/2	4,137.98	1/2	3,890.75	1/2	3,631.52	1/2	3,360.57	1/2	3,006.71	1/2	2,649.42
3/4		3/4		3/4		3/4	4,375.06	3/4	4,132.96	3/4	3,885.47	3/4	3,625.99	3/4	3,354.85	3/4	2,999.27	3/4	2,641.97
1	1	1	1	1	1	1	4,370.40	1	4,127.93	1	3,880.19	1	3,620.47	1	3,349.12	1	2,991.83	1	2,634.53
1/4		1/4		1/4		1/4	4,366.23	1/4	4,122.89	1/4	3,874.89	1/4	3,614.92	1/4	3,341.68	1/4	2,984.38	1/4	2,627.09
1/2		1/2		1/2		1/2	4,362.06	1/2	4,117.84	1/2	3,869.59	1/2	3,609.37	1/2	3,334.24	1/2	2,976.94	1/2	2,619.64
3/4		3/4		3/4		3/4	4,357.89	3/4	4,112.80	3/4	3,864.30	3/4	3,603.82	3/4	3,326.79	3/4	2,969.50	3/4	2,612.20
2	2	2	2	2	2	2	4,353.72	2	4,107.76	2	3,859.00	2	3,598.27	2	3,319.35	2	2,962.05	2	2,604.75
1/4		1/4		1/4		1/4	4,348.35	1/4	4,102.69	1/4	3,853.69	1/4	3,592.70	1/4	3,311.91	1/4	2,954.61	1/4	2,597.31
1/2		1/2		1/2		1/2	4,342.98	1/2	4,097.62	1/2	3,848.37	1/2	3,587.13	1/2	3,304.46	1/2	2,947.16	1/2	2,589.87
3/4		3/4		3/4		3/4	4,337.60	3/4	4,092.55	3/4	3,843.06	3/4	3,581.56	3/4	3,297.02	3/4	2,939.72	3/4	2,582.42
3	3	3	3	3	3	3	4,332.23	3	4,087.48	3	3,837.74	3	3,576.00	3	3,289.58	3	2,932.28	3	2,574.98
1/4		1/4		1/4		1/4	4,326.51	1/4	4,082.40	1/4	3,832.40	1/4	3,570.41	1/4	3,282.13	1/4	2,924.83	1/4	2,567.54
1/2		1/2		1/2		1/2	4,320.79	1/2	4,077.31	1/2	3,827.06	1/2	3,564.83	1/2	3,274.69	1/2	2,917.39	1/2	2,560.09
3/4		3/4		3/4		3/4	4,315.07	3/4	4,072.23	3/4	3,821.73	3/4	3,559.24	3/4	3,267.24	3/4	2,909.95	3/4	2,552.65
4	4	4	4	4	4	4	4,309.35	4	4,067.14	4	3,816.39	4	3,553.65	4	3,259.80	4	2,902.50	4	2,545.21
1/4		1/4		1/4		1/4	4,303.63	1/4	4,062.03	1/4	3,811.03	1/4	3,548.05	1/4	3,252.36	1/4	2,895.06	1/4	2,537.76
1/2		1/2		1/2		1/2	4,297.90	1/2	4,056.92	1/2	3,805.67	1/2	3,542.44	1/2	3,244.91	1/2	2,887.62	1/2	2,530.32
3/4		3/4		3/4		3/4	4,292.18	3/4	4,051.81	3/4	3,800.32	3/4	3,536.83	3/4	3,237.47	3/4	2,880.17	3/4	2,522.87
5	5	5	5	5	5	5	4,286.46	5	4,046.70	5	3,794.96	5	3,531.22	5	3,230.03	5	2,872.73	5	2,515.43
1/4		1/4		1/4		1/4	4,281.58	1/4	4,041.57	1/4	3,789.58	1/4	3,525.59	1/4	3,222.58	1/4	2,865.28	1/4	2,507.99
1/2		1/2		1/2		1/2	4,276.70	1/2	4,036.44	1/2	3,784.20	1/2	3,519.96	1/2	3,215.14	1/2	2,857.84	1/2	2,500.54
3/4		3/4		3/4		3/4	4,271.82	3/4	4,031.32	3/4	3,778.82	3/4	3,514.34	3/4	3,207.69	3/4	2,850.40	3/4	2,493.10
6	6	6	6	6	6	6	4,266.94	6	4,026.19	6	3,773.44	6	3,508.71	6	3,200.25	6	2,842.95	6	2,485.66
1/4		1/4		1/4		1/4	4,262.04	1/4	4,021.04	1/4	3,768.04	1/4	3,503.06	1/4	3,192.81	1/4	2,835.51	1/4	2,478.21
1/2		1/2		1/2		1/2	4,257.14	1/2	4,015.88	1/2	3,762.64	1/2	3,497.41	1/2	3,185.36	1/2	2,828.07	1/2	2,470.77
3/4		3/4		3/4		3/4	4,252.24	3/4	4,010.73	3/4	3,757.24	3/4	3,491.76	3/4	3,177.92	3/4	2,820.62	3/4	2,463.32
7	7	7	7	7	7	7	4,247.34	7	4,005.58	7	3,751.84	7	3,486.10	7	3,170.48	7	2,813.18	7	2,455.88
1/4		1/4		1/4		1/4	4,242.41	1/4	4,000.41	1/4	3,746.42	1/4	3,480.43	1/4	3,163.03	1/4	2,805.73	1/4	2,448.44
1/2		1/2		1/2		1/2	4,237.49	1/2	3,995.24	1/2	3,741.00	1/2	3,474.76	1/2	3,155.59	1/2	2,798.29	1/2	2,440.99
3/4		3/4		3/4		3/4	4,232.57	3/4	3,990.07	3/4	3,735.58	3/4	3,469.10	3/4	3,148.14	3/4	2,790.85	3/4	2,433.55
8	8	8	8	8	8	8	4,227.64	8	3,984.90	8	3,730.15	8	3,463.43	8	3,140.70	8	2,783.40	8	2,426.11
1/4		1/4		1/4		1/4	4,222.70	1/4	3,979.70	1/4	3,724.71	1/4	3,457.73	1/4	3,133.26	1/4	2,775.96	1/4	2,418.66
1/2		1/2		1/2		1/2	4,217.76	1/2	3,974.51	1/2	3,719.27	1/2	3,452.04	1/2	3,125.81	1/2	2,768.52	1/2	2,411.22
3/4		3/4		3/4		3/4	4,212.82	3/4	3,969.32	3/4	3,713.83	3/4	3,446.35	3/4	3,118.37	3/4	2,761.07	3/4	2,403.77
9	9	9	9	9	9	9	4,207.88	9	3,964.12	9	3,708.39	9	3,440.65	9	3,110.93	9	2,753.63	9	2,396.33
1/4		1/4		1/4		1/4	4,202.91	1/4	3,958.91	1/4	3,702.92	1/4	3,434.94	1/4	3,103.48	1/4	2,746.19	1/4	2,388.89
1/2		1/2		1/2		1/2	4,197.94	1/2	3,953.70	1/2	3,697.46	1/2	3,429.23	1/2	3,096.04	1/2	2,738.74	1/2	2,381.44
3/4		3/4		3/4		3/4	4,192.98	3/4	3,948.48	3/4	3,691.99	3/4	3,423.52	3/4	3,088.60	3/4	2,731.30	3/4	2,374.00
10	10	10	10	10	10	10	4,188.01	10	3,943.27	10	3,686.53	10	3,417.81	10	3,081.15	10	2,723.85	10	2,366.56
1/4		1/4		1/4		1/4	4,183.02	1/4	3,938.03	1/4	3,681.05	1/4	3,412.08	1/4	3,073.71	1/4	2,716.41	1/4	2,359.11
1/2		1/2		1/2		1/2	4,178.04	1/2	3,932.80	1/2	3,675.56	1/2	3,406.36	1/2	3,066.26	1/2	2,708.97	1/2	2,351.67
3/4		3/4		3/4		3/4	4,173.06	3/4	3,927.56	3/4	3,670.08	3/4	3,400.64	3/4	3,058.82	3/4	2,701.52	3/4	2,344.23
11	11	11	11	11	11	11	4,168.07	11	3,922.32	11	3,664.60	11	3,394.91	11	3,051.38	11	2,694.08	11	2,336.78
1/4		1/4		1/4		1/4	4,163.06	1/4	3,917.07	1/4	3,659.09	1/4	3,389.19	1/4	3,043.93	1/4	2,686.64	1/4	2,329.34
1/2		1/2		1/2		1/2	4,158.05	1/2	3,911.81	1/2	3,653.58	1/2	3,383.47	1/2	3,036.49	1/2	2,679.19	1/2	2,321.89
3/4		3/4		3/4		3/4	4,153.05	3/4	3,906.56	3/4	3,648.07	3/4	3,377.74	3/4	3,029.05	3/4	2,671.75	3/4	2,314.45

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD

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# BARGE "KIRBY 29134"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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	2,307.01	0	1,949.71	0	1,592.41	0	1,235.11	0	878.05	0	520.90	0	163.62	0		0		0	
1/4	2,299.56	1/4	1,942.27	1/4	1,584.97	1/4	1,227.67	1/4	870.62	1/4	513.46	1/4	156.17	1/4		1/4		1/4	
1/2	2,292.12	1/2	1,934.82	1/2	1,577.52	1/2	1,220.23	1/2	863.19	1/2	506.02	1/2	148.73	1/2		1/2		1/2	
3/4	2,284.68	3/4	1,927.38	3/4	1,570.08	3/4	1,212.78	3/4	855.76	3/4	498.57	3/4	141.29	3/4		3/4		3/4	
1	2,277.23	1	1,919.93	1	1,562.64	1	1,205.34	1	848.32	1	491.13	1	133.84	1		1		1	
1/4	2,269.79	1/4	1,912.49	1/4	1,555.19	1/4	1,197.90	1/4	840.89	1/4	483.69	1/4	126.40	1/4		1/4		1/4	
1/2	2,262.34	1/2	1,905.05	1/2	1,547.75	1/2	1,190.45	1/2	833.46	1/2	476.24	1/2	118.96	1/2		1/2		1/2	
3/4	2,254.90	3/4	1,897.60	3/4	1,540.31	3/4	1,183.01	3/4	826.03	3/4	468.80	3/4	111.51	3/4		3/4		3/4	
2	2,247.46	2	1,890.16	2	1,532.86	2	1,175.56	2	818.60	2	461.36	2	104.07	2		2		2	
1/4	2,240.01	1/4	1,882.72	1/4	1,525.42	1/4	1,168.12	1/4	811.17	1/4	453.91	1/4	96.94	1/4		1/4		1/4	
1/2	2,232.57	1/2	1,875.27	1/2	1,517.97	1/2	1,160.68	1/2	803.73	1/2	446.47	1/2	89.81	1/2		1/2		1/2	
3/4	2,225.13	3/4	1,867.83	3/4	1,510.53	3/4	1,153.23	3/4	796.30	3/4	439.03	3/4	82.68	3/4		3/4		3/4	
3	2,217.68	3	1,860.38	3	1,503.09	3	1,145.79	3	788.87	3	431.58	3	75.55	3		3		3	
1/4	2,210.24	1/4	1,852.94	1/4	1,495.64	1/4	1,138.35	1/4	781.43	1/4	424.14	1/4	69.37	1/4		1/4		1/4	
1/2	2,202.79	1/2	1,845.50	1/2	1,488.20	1/2	1,130.90	1/2	773.98	1/2	416.69	1/2	63.18	1/2		1/2		1/2	
3/4	2,195.35	3/4	1,838.05	3/4	1,480.76	3/4	1,123.46	3/4	766.54	3/4	409.25	3/4	56.99	3/4		3/4		3/4	
4	2,187.91	4	1,830.61	4	1,473.31	4	1,116.01	4	759.10	4	401.81	4	50.80	4		4		4	
1/4	2,180.46	1/4	1,823.17	1/4	1,465.87	1/4	1,108.57	1/4	751.65	1/4	394.36	1/4	45.86	1/4		1/4		1/4	
1/2	2,173.02	1/2	1,815.72	1/2	1,458.42	1/2	1,101.13	1/2	744.21	1/2	386.92	1/2	40.93	1/2		1/2		1/2	
3/4	2,165.58	3/4	1,808.28	3/4	1,450.98	3/4	1,093.68	3/4	736.77	3/4	379.48	3/4	35.99	3/4		3/4		3/4	
5	2,158.13	5	1,800.84	5	1,443.54	5	1,086.24	5	729.32	5	372.03	5	31.06	5		5		5	
1/4	2,150.69	1/4	1,793.39	1/4	1,436.09	1/4	1,078.80	1/4	721.88	1/4	364.59	1/4	27.39	1/4		1/4		1/4	
1/2	2,143.25	1/2	1,785.95	1/2	1,428.65	1/2	1,071.35	1/2	714.43	1/2	357.15	1/2	23.72	1/2		1/2		1/2	
3/4	2,135.80	3/4	1,778.50	3/4	1,421.21	3/4	1,063.91	3/4	706.99	3/4	349.70	3/4	20.05	3/4		3/4		3/4	
6	2,128.36	6	1,771.06	6	1,413.76	6	1,056.47	6	699.55	6	342.26	6	16.38	6		6		6	
1/4	2,120.91	1/4	1,763.62	1/4	1,406.32	1/4	1,049.02	1/4	692.10	1/4	334.82	1/4		1/4		1/4		1/4	
1/2	2,113.47	1/2	1,756.17	1/2	1,398.88	1/2	1,041.58	1/2	684.66	1/2	327.37	1/2		1/2		1/2		1/2	
3/4	2,106.03	3/4	1,748.73	3/4	1,391.43	3/4	1,034.13	3/4	677.22	3/4	319.93	3/4		3/4		3/4		3/4	
7	2,098.58	7	1,741.29	7	1,383.99	7	1,026.69	7	669.77	7	312.49	7		7		7		7	
1/4	2,091.14	1/4	1,733.84	1/4	1,376.54	1/4	1,019.26	1/4	662.33	1/4	305.04	1/4		1/4		1/4		1/4	
1/2	2,083.70	1/2	1,726.40	1/2	1,369.10	1/2	1,011.83	1/2	654.89	1/2	297.60	1/2		1/2		1/2		1/2	
3/4	2,076.25	3/4	1,718.95	3/4	1,361.66	3/4	1,004.39	3/4	647.44	3/4	290.16	3/4		3/4		3/4		3/4	
8	2,068.81	8	1,711.51	8	1,354.21	8	996.96	8	640.00	8	282.71	8		8		8		8	
1/4	2,061.36	1/4	1,704.07	1/4	1,346.77	1/4	989.53	1/4	632.56	1/4	275.27	1/4		1/4		1/4		1/4	
1/2	2,053.92	1/2	1,696.62	1/2	1,339.33	1/2	982.10	1/2	625.11	1/2	267.82	1/2		1/2		1/2		1/2	
3/4	2,046.48	3/4	1,689.18	3/4	1,331.88	3/4	974.67	3/4	617.67	3/4	260.38	3/4		3/4		3/4		3/4	
9	2,039.03	9	1,681.74	9	1,324.44	9	967.24	9	610.23	9	252.94	9		9		9		9	
1/4	2,031.59	1/4	1,674.29	1/4	1,316.99	1/4	959.80	1/4	602.78	1/4	245.49	1/4		1/4		1/4		1/4	
1/2	2,024.15	1/2	1,666.85	1/2	1,309.55	1/2	952.37	1/2	595.34	1/2	238.05	1/2		1/2		1/2		1/2	
3/4	2,016.70	3/4	1,659.40	3/4	1,302.11	3/4	944.94	3/4	587.90	3/4	230.61	3/4		3/4		3/4		3/4	
10	2,009.26	10	1,651.96	10	1,294.66	10	937.51	10	580.45	10	223.16	10		10		10		10	
1/4	2,001.82	1/4	1,644.52	1/4	1,287.22	1/4	930.08	1/4	573.01	1/4	215.72	1/4		1/4		1/4		1/4	
1/2	1,994.37	1/2	1,637.07	1/2	1,279.78	1/2	922.64	1/2	565.56	1/2	208.28	1/2		1/2		1/2		1/2	
3/4	1,986.93	3/4	1,629.63	3/4	1,272.33	3/4	915.21	3/4	558.12	3/4	200.83	3/4		3/4		3/4		3/4	
11	1,979.48	11	1,622.19	11	1,264.89	11	907.78	11	550.68	11	193.39	11		11		11		11	
1/4	1,972.04	1/4	1,614.74	1/4	1,257.45	1/4	900.35	1/4	543.23	1/4	185.95	1/4		1/4		1/4		1/4	
1/2	1,964.60	1/2	1,607.30	1/2	1,250.00	1/2	892.92	1/2	535.79	1/2	178.50	1/2		1/2		1/2		1/2	
3/4	1,957.15	3/4	1,599.86	3/4	1,242.56	3/4	885.48	3/4	528.35	3/4	171.06	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/25/2014 CL  
CALCULATED: 11/26/2014 CL  
PRINTED: 11/26/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2014

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



# BARGE "KIRBY 29134"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

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	4,126.73	0	3,881.38	0	3,624.03	0	3,354.86	0	3,008.04	0	2,652.05
1/4		1/4		1/4		1/4	4,361.60	1/4	4,121.75	1/4	3,876.15	1/4	3,618.54	1/4	3,349.16	1/4	3,000.65	1/4	2,644.63
1/2		1/2		1/2		1/2	4,356.97	1/2	4,116.75	1/2	3,870.89	1/2	3,613.04	1/2	3,343.47	1/2	2,993.23	1/2	2,637.22
3/4		3/4		3/4		3/4	4,352.34	3/4	4,111.74	3/4	3,865.63	3/4	3,607.54	3/4	3,337.77	3/4	2,985.82	3/4	2,629.80
1		1		1		1	4,347.71	1	4,106.74	1	3,860.38	1	3,602.04	1	3,332.07	1	2,978.40	1	2,622.38
1/4		1/4		1/4		1/4	4,343.08	1/4	4,101.74	1/4	3,855.12	1/4	3,596.54	1/4	3,326.37	1/4	2,970.98	1/4	2,614.97
1/2		1/2		1/2		1/2	4,338.94	1/2	4,096.72	1/2	3,849.85	1/2	3,591.01	1/2	3,318.95	1/2	2,963.57	1/2	2,607.55
3/4		3/4		3/4		3/4	4,334.79	3/4	4,091.70	3/4	3,844.57	3/4	3,585.49	3/4	3,311.53	3/4	2,956.15	3/4	2,600.13
2		2		2		2	4,330.64	2	4,086.68	2	3,839.30	2	3,579.96	2	3,304.11	2	2,948.73	2	2,592.72
1/4		1/4		1/4		1/4	4,326.50	1/4	4,081.66	1/4	3,834.03	1/4	3,574.43	1/4	3,296.69	1/4	2,941.31	1/4	2,585.30
1/2		1/2		1/2		1/2	4,321.15	1/2	4,076.61	1/2	3,828.74	1/2	3,568.89	1/2	3,289.27	1/2	2,933.90	1/2	2,577.88
3/4		3/4		3/4		3/4	4,315.80	3/4	4,071.57	3/4	3,823.45	3/4	3,563.35	3/4	3,281.85	3/4	2,926.48	3/4	2,570.46
3		3		3		3	4,310.45	3	4,066.52	3	3,818.15	3	3,557.81	3	3,274.43	3	2,919.06	3	2,563.05
1/4		1/4		1/4		1/4	4,305.10	1/4	4,061.48	1/4	3,812.86	1/4	3,552.26	1/4	3,267.01	1/4	2,911.65	1/4	2,555.63
1/2		1/2		1/2		1/2	4,299.40	1/2	4,056.42	1/2	3,807.55	1/2	3,546.70	1/2	3,259.59	1/2	2,904.23	1/2	2,548.21
3/4		3/4		3/4		3/4	4,293.70	3/4	4,051.35	3/4	3,802.23	3/4	3,541.14	3/4	3,252.17	3/4	2,896.81	3/4	2,540.80
4		4		4		4	4,288.00	4	4,046.29	4	3,796.92	4	3,535.58	4	3,244.75	4	2,889.40	4	2,533.38
1/4		1/4		1/4		1/4	4,282.31	1/4	4,041.23	1/4	3,791.60	1/4	3,530.01	1/4	3,237.33	1/4	2,881.98	1/4	2,525.96
1/2		1/2		1/2		1/2	4,276.61	1/2	4,036.14	1/2	3,786.27	1/2	3,524.43	1/2	3,229.91	1/2	2,874.56	1/2	2,518.55
3/4		3/4		3/4		3/4	4,270.91	3/4	4,031.06	3/4	3,780.94	3/4	3,518.84	3/4	3,222.49	3/4	2,867.14	3/4	2,511.13
5		5		5		5	4,265.21	5	4,025.97	5	3,775.60	5	3,513.26	5	3,215.07	5	2,859.73	5	2,503.71
1/4		1/4		1/4		1/4	4,259.52	1/4	4,020.88	1/4	3,770.27	1/4	3,507.67	1/4	3,207.65	1/4	2,852.31	1/4	2,496.29
1/2		1/2		1/2		1/2	4,254.66	1/2	4,015.78	1/2	3,764.91	1/2	3,502.07	1/2	3,200.26	1/2	2,844.89	1/2	2,488.88
3/4		3/4		3/4		3/4	4,249.80	3/4	4,010.67	3/4	3,759.56	3/4	3,496.47	3/4	3,192.87	3/4	2,837.48	3/4	2,481.46
6		6		6		6	4,244.94	6	4,005.57	6	3,754.20	6	3,490.86	6	3,185.47	6	2,830.06	6	2,474.04
1/4		1/4		1/4		1/4	4,240.08	1/4	4,000.46	1/4	3,748.84	1/4	3,485.26	1/4	3,178.08	1/4	2,822.64	1/4	2,466.63
1/2		1/2		1/2		1/2	4,235.21	1/2	3,995.34	1/2	3,743.47	1/2	3,479.63	1/2	3,170.69	1/2	2,815.23	1/2	2,459.21
3/4		3/4		3/4		3/4	4,230.33	3/4	3,990.21	3/4	3,738.09	3/4	3,474.01	3/4	3,163.29	3/4	2,807.81	3/4	2,451.79
7		7		7		7	4,225.46	7	3,985.08	7	3,732.72	7	3,468.38	7	3,155.90	7	2,800.39	7	2,444.38
1/4		1/4		1/4		1/4	4,220.58	1/4	3,979.95	1/4	3,727.34	1/4	3,462.75	1/4	3,148.51	1/4	2,792.97	1/4	2,436.96
1/2		1/2		1/2		1/2	4,215.68	1/2	3,974.80	1/2	3,721.94	1/2	3,457.11	1/2	3,141.12	1/2	2,785.56	1/2	2,429.54
3/4		3/4		3/4		3/4	4,210.78	3/4	3,969.66	3/4	3,716.54	3/4	3,451.46	3/4	3,133.72	3/4	2,778.14	3/4	2,422.12
8		8		8		8	4,205.88	8	3,964.51	8	3,711.15	8	3,445.81	8	3,126.33	8	2,770.72	8	2,414.71
1/4		1/4		1/4		1/4	4,200.98	1/4	3,959.36	1/4	3,705.75	1/4	3,440.17	1/4	3,118.94	1/4	2,763.31	1/4	2,407.29
1/2		1/2		1/2		1/2	4,196.06	1/2	3,954.19	1/2	3,700.33	1/2	3,434.50	1/2	3,111.54	1/2	2,755.89	1/2	2,399.87
3/4		3/4		3/4		3/4	4,191.14	3/4	3,949.02	3/4	3,694.91	3/4	3,428.83	3/4	3,104.15	3/4	2,748.47	3/4	2,392.46
9		9		9		9	4,186.22	9	3,943.85	9	3,689.50	9	3,423.16	9	3,096.76	9	2,741.06	9	2,385.04
1/4		1/4		1/4		1/4	4,181.31	1/4	3,938.68	1/4	3,684.08	1/4	3,417.49	1/4	3,089.37	1/4	2,733.64	1/4	2,377.62
1/2		1/2		1/2		1/2	4,176.36	1/2	3,933.49	1/2	3,678.64	1/2	3,411.80	1/2	3,081.97	1/2	2,726.22	1/2	2,370.20
3/4		3/4		3/4		3/4	4,171.42	3/4	3,928.30	3/4	3,673.20	3/4	3,406.12	3/4	3,074.58	3/4	2,718.80	3/4	2,362.79
10		10		10		10	4,166.48	10	3,923.11	10	3,667.76	10	3,400.43	10	3,067.19	10	2,711.39	10	2,355.37
1/4		1/4		1/4		1/4	4,161.53	1/4	3,917.92	1/4	3,662.32	1/4	3,394.74	1/4	3,059.79	1/4	2,703.97	1/4	2,347.95
1/2		1/2		1/2		1/2	4,156.57	1/2	3,912.71	1/2	3,656.86	1/2	3,389.04	1/2	3,052.40	1/2	2,696.55	1/2	2,340.53
3/4		3/4		3/4		3/4	4,151.61	3/4	3,907.50	3/4	3,651.40	3/4	3,383.35	3/4	3,045.01	3/4	2,689.14	3/4	2,333.12
11		11		11		11	4,146.65	11	3,902.28	11	3,645.94	11	3,377.65	11	3,037.61	11	2,681.72	11	2,325.70
1/4		1/4		1/4		1/4	4,141.69	1/4	3,897.07	1/4	3,640.48	1/4	3,371.95	1/4	3,030.22	1/4	2,674.30	1/4	2,318.28
1/2		1/2		1/2		1/2	4,136.71	1/2	3,891.84	1/2	3,635.00	1/2	3,366.25	1/2	3,022.83	1/2	2,666.89	1/2	2,310.86
3/4		3/4		3/4		3/4	4,131.72	3/4	3,886.61	3/4	3,629.51	3/4	3,360.56	3/4	3,015.44	3/4	2,659.47	3/4	2,303.45

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD

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



# BARGE "KIRBY 29134"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,296.03	0	1,939.61	0	1,584.02	0	1,227.44	0	883.81	0	527.58	0	170.80	0		0		0	
1/4	2,288.61	1/4	1,932.18	1/4	1,576.62	1/4	1,220.01	1/4	876.67	1/4	520.15	1/4	163.37	1/4		1/4		1/4	
1/2	2,281.19	1/2	1,924.75	1/2	1,569.21	1/2	1,212.85	1/2	869.26	1/2	512.71	1/2	155.94	1/2		1/2		1/2	
3/4	2,273.78	3/4	1,917.31	3/4	1,561.81	3/4	1,205.68	3/4	861.85	3/4	505.28	3/4	148.50	3/4		3/4		3/4	
1	2,266.36	1	1,909.88	1	1,554.40	1	1,198.52	1	854.43	1	497.85	1	141.07	1		1		1	
1/4	2,258.94	1/4	1,902.45	1/4	1,547.00	1/4	1,191.36	1/4	847.02	1/4	490.42	1/4	133.64	1/4		1/4		1/4	
1/2	2,251.52	1/2	1,895.05	1/2	1,539.57	1/2	1,184.19	1/2	839.61	1/2	482.98	1/2	126.20	1/2		1/2		1/2	
3/4	2,244.11	3/4	1,887.64	3/4	1,532.13	3/4	1,177.03	3/4	832.20	3/4	475.55	3/4	118.77	3/4		3/4		3/4	
2	2,236.69	2	1,880.24	2	1,524.70	2	1,169.86	2	824.79	2	468.12	2	111.34	2		2		2	
1/4	2,229.27	1/4	1,872.83	1/4	1,517.27	1/4	1,162.70	1/4	817.38	1/4	460.68	1/4	103.91	1/4		1/4		1/4	
1/2	2,221.85	1/2	1,865.42	1/2	1,509.84	1/2	1,155.54	1/2	809.97	1/2	453.25	1/2	96.79	1/2		1/2		1/2	
3/4	2,214.44	3/4	1,858.02	3/4	1,502.41	3/4	1,148.37	3/4	802.55	3/4	445.82	3/4	89.67	3/4		3/4		3/4	
3	2,207.02	3	1,850.61	3	1,494.98	3	1,141.21	3	795.14	3	438.39	3	82.55	3		3		3	
1/4	2,199.60	1/4	1,843.21	1/4	1,487.54	1/4	1,134.04	1/4	787.73	1/4	430.95	1/4	75.44	1/4		1/4		1/4	
1/2	2,192.18	1/2	1,835.80	1/2	1,480.11	1/2	1,126.88	1/2	780.30	1/2	423.52	1/2	69.26	1/2		1/2		1/2	
3/4	2,184.77	3/4	1,828.40	3/4	1,472.68	3/4	1,119.72	3/4	772.87	3/4	416.09	3/4	63.08	3/4		3/4		3/4	
4	2,177.35	4	1,820.99	4	1,465.25	4	1,112.55	4	765.43	4	408.65	4	56.90	4		4		4	
1/4	2,169.93	1/4	1,813.59	1/4	1,457.82	1/4	1,105.39	1/4	758.00	1/4	401.22	1/4	50.72	1/4		1/4		1/4	
1/2	2,162.51	1/2	1,806.18	1/2	1,450.39	1/2	1,098.22	1/2	750.57	1/2	393.79	1/2	45.80	1/2		1/2		1/2	
3/4	2,155.10	3/4	1,798.78	3/4	1,442.96	3/4	1,091.06	3/4	743.13	3/4	386.36	3/4	40.88	3/4		3/4		3/4	
5	2,147.68	5	1,791.37	5	1,435.52	5	1,083.90	5	735.70	5	378.92	5	35.95	5		5		5	
1/4	2,140.26	1/4	1,783.97	1/4	1,428.09	1/4	1,076.73	1/4	728.27	1/4	371.49	1/4	31.03	1/4		1/4		1/4	
1/2	2,132.83	1/2	1,776.56	1/2	1,420.66	1/2	1,069.58	1/2	720.84	1/2	364.06	1/2	27.37	1/2		1/2		1/2	
3/4	2,125.40	3/4	1,769.16	3/4	1,413.23	3/4	1,062.43	3/4	713.40	3/4	356.62	3/4	23.70	3/4		3/4		3/4	
6	2,117.97	6	1,761.75	6	1,405.80	6	1,055.28	6	705.97	6	349.19	6	20.04	6		6		6	
1/4	2,110.54	1/4	1,754.35	1/4	1,398.37	1/4	1,048.13	1/4	698.54	1/4	341.76	1/4	16.38	1/4		1/4		1/4	
1/2	2,103.10	1/2	1,746.94	1/2	1,390.94	1/2	1,040.98	1/2	691.10	1/2	334.33	1/2		1/2		1/2		1/2	
3/4	2,095.67	3/4	1,739.53	3/4	1,383.50	3/4	1,033.83	3/4	683.67	3/4	326.89	3/4		3/4		3/4		3/4	
7	2,088.24	7	1,732.13	7	1,376.07	7	1,026.68	7	676.24	7	319.46	7		7		7		7	
1/4	2,080.81	1/4	1,724.72	1/4	1,368.64	1/4	1,019.53	1/4	668.81	1/4	312.03	1/4		1/4		1/4		1/4	
1/2	2,073.38	1/2	1,717.32	1/2	1,361.21	1/2	1,012.39	1/2	661.37	1/2	304.59	1/2		1/2		1/2		1/2	
3/4	2,065.95	3/4	1,709.91	3/4	1,353.78	3/4	1,005.24	3/4	653.94	3/4	297.16	3/4		3/4		3/4		3/4	
8	2,058.51	8	1,702.51	8	1,346.35	8	998.10	8	646.51	8	289.73	8		8		8		8	
1/4	2,051.08	1/4	1,695.10	1/4	1,338.91	1/4	990.95	1/4	639.07	1/4	282.29	1/4		1/4		1/4		1/4	
1/2	2,043.65	1/2	1,687.70	1/2	1,331.48	1/2	983.81	1/2	631.64	1/2	274.86	1/2		1/2		1/2		1/2	
3/4	2,036.22	3/4	1,680.29	3/4	1,324.05	3/4	976.66	3/4	624.21	3/4	267.43	3/4		3/4		3/4		3/4	
9	2,028.79	9	1,672.89	9	1,316.62	9	969.52	9	616.78	9	260.00	9		9		9		9	
1/4	2,021.36	1/4	1,665.48	1/4	1,309.19	1/4	962.38	1/4	609.34	1/4	252.56	1/4		1/4		1/4		1/4	
1/2	2,013.93	1/2	1,658.08	1/2	1,301.76	1/2	955.24	1/2	601.91	1/2	245.13	1/2		1/2		1/2		1/2	
3/4	2,006.49	3/4	1,650.67	3/4	1,294.33	3/4	948.09	3/4	594.48	3/4	237.70	3/4		3/4		3/4		3/4	
10	1,999.06	10	1,643.27	10	1,286.89	10	940.95	10	587.04	10	230.26	10		10		10		10	
1/4	1,991.63	1/4	1,635.86	1/4	1,279.46	1/4	933.81	1/4	579.61	1/4	222.83	1/4		1/4		1/4		1/4	
1/2	1,984.20	1/2	1,628.46	1/2	1,272.03	1/2	926.67	1/2	572.18	1/2	215.40	1/2		1/2		1/2		1/2	
3/4	1,976.77	3/4	1,621.05	3/4	1,264.60	3/4	919.52	3/4	564.75	3/4	207.97	3/4		3/4		3/4		3/4	
11	1,969.34	11	1,613.64	11	1,257.17	11	912.38	11	557.31	11	200.53	11		11		11		11	
1/4	1,961.90	1/4	1,606.24	1/4	1,249.74	1/4	905.24	1/4	549.88	1/4	193.10	1/4		1/4		1/4		1/4	
1/2	1,954.47	1/2	1,598.83	1/2	1,242.31	1/2	898.10	1/2	542.45	1/2	185.67	1/2		1/2		1/2		1/2	
3/4	1,947.04	3/4	1,591.43	3/4	1,234.87	3/4	890.95	3/4	535.01	3/4	178.23	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/25/2014 CL  
CALCULATED: 11/26/2014 CL  
PRINTED: 11/26/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2014

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



# BARGE "KIRBY 29134"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4		1/4		1/4		1/4	4,790.24	1/4	4,473.21	1/4	4,149.74	1/4	3,811.14	1/4	3,457.92	1/4	3,107.28	1/4	2,748.67
1/2		1/2		1/2		1/2	4,785.13	1/2	4,466.63	1/2	4,142.84	1/2	3,803.93	1/2	3,450.47	1/2	3,092.79	1/2	2,733.71
3/4		3/4		3/4		3/4	4,780.02	3/4	4,460.05	3/4	4,135.94	3/4	3,796.72	3/4	3,443.02	3/4	3,085.31	3/4	2,726.22
1	1	1	1	1	1	1	4,773.68	1	4,453.44	1	4,129.02	1	3,789.48	1	3,435.57	1	3,077.83	1	2,718.74
1/4		1/4		1/4		1/4	4,767.34	1/4	4,446.84	1/4	4,122.10	1/4	3,782.24	1/4	3,428.12	1/4	3,070.35	1/4	2,711.26
1/2		1/2		1/2		1/2	4,760.99	1/2	4,440.23	1/2	4,115.18	1/2	3,774.99	1/2	3,420.67	1/2	3,062.87	1/2	2,703.78
3/4		3/4		3/4		3/4	4,754.65	3/4	4,433.63	3/4	4,108.26	3/4	3,767.75	3/4	3,413.22	3/4	3,055.39	3/4	2,696.30
2	2	2	2	2	2	2	4,747.42	2	4,426.99	2	4,101.31	2	3,760.49	2	3,405.78	2	3,047.91	2	2,688.82
1/4		1/4		1/4		1/4	4,740.19	1/4	4,420.36	1/4	4,094.36	1/4	3,753.23	1/4	3,398.33	1/4	3,040.43	1/4	2,681.34
1/2		1/2		1/2		1/2	4,732.97	1/2	4,413.73	1/2	4,087.41	1/2	3,745.96	1/2	3,390.88	1/2	3,032.95	1/2	2,673.86
3/4		3/4		3/4		3/4	4,725.74	3/4	4,407.10	3/4	4,080.47	3/4	3,738.70	3/4	3,383.43	3/4	3,025.46	3/4	2,666.38
3	3	3	3	3	3	3	4,718.29	3	4,400.44	3	4,073.49	3	3,731.41	3	3,375.98	3	3,017.98	3	2,658.90
1/4		1/4		1/4		1/4	4,710.84	1/4	4,393.78	1/4	4,066.52	1/4	3,724.12	1/4	3,368.53	1/4	3,010.50	1/4	2,651.41
1/2		1/2		1/2		1/2	4,703.39	1/2	4,387.12	1/2	4,059.54	1/2	3,716.83	1/2	3,361.08	1/2	3,003.02	1/2	2,643.93
3/4		3/4		3/4		3/4	4,695.94	3/4	4,380.46	3/4	4,052.57	3/4	3,709.54	3/4	3,353.63	3/4	2,995.54	3/4	2,636.45
4	4	4	4	4	4	4	4,688.89	4	4,373.78	4	4,045.57	4	3,702.23	4	3,346.18	4	2,988.06	4	2,628.97
1/4		1/4		1/4		1/4	4,681.84	1/4	4,367.09	1/4	4,038.57	1/4	3,694.91	1/4	3,338.74	1/4	2,980.58	1/4	2,621.49
1/2		1/2		1/2		1/2	4,674.79	1/2	4,360.40	1/2	4,031.57	1/2	3,687.60	1/2	3,331.29	1/2	2,973.10	1/2	2,614.01
3/4		3/4		3/4		3/4	4,667.74	3/4	4,353.72	3/4	4,024.57	3/4	3,680.28	3/4	3,323.84	3/4	2,965.62	3/4	2,606.53
5	5	5	5	5	5	5	4,661.34	5	4,347.01	5	4,017.54	5	3,672.94	5	3,316.39	5	2,958.14	5	2,599.05
1/4		1/4		1/4		1/4	4,654.94	1/4	4,340.29	1/4	4,010.51	1/4	3,665.60	1/4	3,308.94	1/4	2,950.65	1/4	2,591.57
1/2		1/2		1/2		1/2	4,648.54	1/2	4,333.58	1/2	4,003.48	1/2	3,658.25	1/2	3,301.49	1/2	2,943.17	1/2	2,584.09
3/4		3/4		3/4		3/4	4,642.15	3/4	4,326.87	3/4	3,996.46	3/4	3,650.91	3/4	3,294.04	3/4	2,935.69	3/4	2,576.60
6	6	6	6	6	6	6	4,635.72	6	4,320.13	6	3,989.40	6	3,643.54	6	3,286.59	6	2,928.21	6	2,569.12
1/4		1/4		1/4		1/4	4,629.30	1/4	4,313.39	1/4	3,982.35	1/4	3,636.17	1/4	3,279.15	1/4	2,920.73	1/4	2,561.64
1/2		1/2		1/2		1/2	4,622.88	1/2	4,306.65	1/2	3,975.30	1/2	3,628.81	1/2	3,271.70	1/2	2,913.25	1/2	2,554.16
3/4		3/4		3/4		3/4	4,616.45	3/4	4,299.92	3/4	3,968.24	3/4	3,621.44	3/4	3,264.25	3/4	2,905.77	3/4	2,546.68
7	7	7	7	7	7	7	4,610.00	7	4,293.15	7	3,961.16	7	3,614.04	7	3,256.80	7	2,898.29	7	2,539.20
1/4		1/4		1/4		1/4	4,603.55	1/4	4,286.38	1/4	3,954.08	1/4	3,606.65	1/4	3,249.35	1/4	2,890.81	1/4	2,531.72
1/2		1/2		1/2		1/2	4,597.10	1/2	4,279.62	1/2	3,947.00	1/2	3,599.25	1/2	3,241.90	1/2	2,883.33	1/2	2,524.24
3/4		3/4		3/4		3/4	4,590.65	3/4	4,272.85	3/4	3,939.92	3/4	3,591.86	3/4	3,234.45	3/4	2,875.84	3/4	2,516.76
8	8	8	8	8	8	8	4,584.17	8	4,266.06	8	3,932.82	8	3,584.43	8	3,227.00	8	2,868.36	8	2,509.28
1/4		1/4		1/4		1/4	4,577.69	1/4	4,259.27	1/4	3,925.71	1/4	3,577.01	1/4	3,219.56	1/4	2,860.88	1/4	2,501.79
1/2		1/2		1/2		1/2	4,571.22	1/2	4,252.48	1/2	3,918.60	1/2	3,569.59	1/2	3,212.11	1/2	2,853.40	1/2	2,494.31
3/4		3/4		3/4		3/4	4,564.74	3/4	4,245.68	3/4	3,911.50	3/4	3,562.17	3/4	3,204.66	3/4	2,845.92	3/4	2,486.83
9	9	9	9	9	9	9	4,558.24	9	4,238.87	9	3,904.36	9	3,554.73	9	3,197.21	9	2,838.44	9	2,479.35
1/4		1/4		1/4		1/4	4,551.73	1/4	4,232.05	1/4	3,897.23	1/4	3,547.29	1/4	3,189.76	1/4	2,830.96	1/4	2,471.87
1/2		1/2		1/2		1/2	4,545.23	1/2	4,225.23	1/2	3,890.09	1/2	3,539.85	1/2	3,182.31	1/2	2,823.48	1/2	2,464.39
3/4		3/4		3/4		3/4	4,538.72	3/4	4,218.41	3/4	3,882.96	3/4	3,532.40	3/4	3,174.86	3/4	2,816.00	3/4	2,456.91
10	10	10	10	10	10	10	4,532.19	10	4,211.57	10	3,875.80	10	3,524.96	10	3,167.41	10	2,808.52	10	2,449.43
1/4		1/4		1/4		1/4	4,525.66	1/4	4,204.72	1/4	3,868.64	1/4	3,517.51	1/4	3,159.96	1/4	2,801.03	1/4	2,441.95
1/2		1/2		1/2		1/2	4,519.13	1/2	4,197.87	1/2	3,861.48	1/2	3,510.06	1/2	3,152.52	1/2	2,793.55	1/2	2,434.47
3/4		3/4		3/4		3/4	4,512.60	3/4	4,191.03	3/4	3,854.32	3/4	3,502.61	3/4	3,145.07	3/4	2,786.07	3/4	2,426.98
11	11	11	11	11	11	11	4,506.04	11	4,184.16	11	3,847.13	11	3,495.16	11	3,137.61	11	2,778.59	11	2,419.50
1/4		1/4		1/4		1/4	4,499.49	1/4	4,177.28	1/4	3,839.95	1/4	3,487.71	1/4	3,130.15	1/4	2,771.11	1/4	2,412.02
1/2		1/2		1/2		1/2	4,492.93	1/2	4,170.41	1/2	3,832.76	1/2	3,480.26	1/2	3,122.69	1/2	2,763.63	1/2	2,404.54
3/4		3/4		3/4		3/4	4,486.37	3/4	4,163.54	3/4	3,825.57	3/4	3,472.81	3/4	3,115.24	3/4	2,756.15	3/4	2,397.06

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

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





# BARGE "KIRBY 29134"

**2 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	2,389.58	0	2,030.49	0	1,671.40	0	1,312.32	0	953.50	0	594.54	0	235.47	0		0		0	
1/4	2,382.10	1/4	2,023.01	1/4	1,663.92	1/4	1,304.83	1/4	946.03	1/4	587.06	1/4	227.99	1/4		1/4		1/4	
1/2	2,374.62	1/2	2,015.53	1/2	1,656.44	1/2	1,297.35	1/2	938.56	1/2	579.58	1/2	220.51	1/2		1/2		1/2	
3/4	2,367.14	3/4	2,008.05	3/4	1,648.96	3/4	1,289.87	3/4	931.10	3/4	572.10	3/4	213.02	3/4		3/4		3/4	
1	2,359.66	1	2,000.57	1	1,641.48	1	1,282.39	1	923.63	1	564.62	1	205.55	1		1		1	
1/4	2,352.17	1/4	1,993.09	1/4	1,634.00	1/4	1,274.91	1/4	916.16	1/4	557.14	1/4	198.07	1/4		1/4		1/4	
1/2	2,344.69	1/2	1,985.61	1/2	1,626.52	1/2	1,267.43	1/2	908.69	1/2	549.66	1/2	190.59	1/2		1/2		1/2	
3/4	2,337.21	3/4	1,978.12	3/4	1,619.04	3/4	1,259.95	3/4	901.22	3/4	542.17	3/4	183.11	3/4		3/4		3/4	
2	2,329.73	2	1,970.64	2	1,611.56	2	1,252.47	2	893.75	2	534.69	2	175.64	2		2		2	
1/4	2,322.25	1/4	1,963.16	1/4	1,604.07	1/4	1,244.99	1/4	886.27	1/4	527.21	1/4	168.17	1/4		1/4		1/4	
1/2	2,314.77	1/2	1,955.68	1/2	1,596.59	1/2	1,237.51	1/2	878.80	1/2	519.73	1/2	160.69	1/2		1/2		1/2	
3/4	2,307.29	3/4	1,948.20	3/4	1,589.11	3/4	1,230.02	3/4	871.33	3/4	512.25	3/4	153.22	3/4		3/4		3/4	
3	2,299.81	3	1,940.72	3	1,581.63	3	1,222.54	3	863.85	3	504.77	3	145.76	3		3		3	
1/4	2,292.33	1/4	1,933.24	1/4	1,574.15	1/4	1,215.06	1/4	856.36	1/4	497.29	1/4	138.30	1/4		1/4		1/4	
1/2	2,284.85	1/2	1,925.76	1/2	1,566.67	1/2	1,207.58	1/2	848.88	1/2	489.81	1/2	130.84	1/2		1/2		1/2	
3/4	2,277.36	3/4	1,918.28	3/4	1,559.19	3/4	1,200.10	3/4	841.40	3/4	482.33	3/4	123.38	3/4		3/4		3/4	
4	2,269.88	4	1,910.80	4	1,551.71	4	1,192.62	4	833.92	4	474.85	4	115.93	4		4		4	
1/4	2,262.40	1/4	1,903.31	1/4	1,544.23	1/4	1,185.14	1/4	826.44	1/4	467.37	1/4	108.49	1/4		1/4		1/4	
1/2	2,254.92	1/2	1,895.83	1/2	1,536.75	1/2	1,177.66	1/2	818.96	1/2	459.89	1/2	101.05	1/2		1/2		1/2	
3/4	2,247.44	3/4	1,888.35	3/4	1,529.26	3/4	1,170.18	3/4	811.48	3/4	452.41	3/4	93.61	3/4		3/4		3/4	
5	2,239.96	5	1,880.87	5	1,521.78	5	1,162.70	5	804.00	5	444.93	5	86.19	5		5		5	
1/4	2,232.48	1/4	1,873.39	1/4	1,514.30	1/4	1,155.21	1/4	796.52	1/4	437.45	1/4	78.78	1/4		1/4		1/4	
1/2	2,225.00	1/2	1,865.91	1/2	1,506.82	1/2	1,147.73	1/2	789.04	1/2	429.96	1/2	71.37	1/2		1/2		1/2	
3/4	2,217.52	3/4	1,858.43	3/4	1,499.34	3/4	1,140.25	3/4	781.56	3/4	422.48	3/4	63.96	3/4		3/4		3/4	
6	2,210.04	6	1,850.95	6	1,491.86	6	1,132.78	6	774.08	6	415.00	6	57.01	6		6		6	
1/4	2,202.55	1/4	1,843.47	1/4	1,484.38	1/4	1,125.30	1/4	766.60	1/4	407.52	1/4	50.05	1/4		1/4		1/4	
1/2	2,195.07	1/2	1,835.99	1/2	1,476.90	1/2	1,117.82	1/2	759.12	1/2	400.04	1/2	43.10	1/2		1/2		1/2	
3/4	2,187.59	3/4	1,828.50	3/4	1,469.42	3/4	1,110.35	3/4	751.63	3/4	392.56	3/4	36.15	3/4		3/4		3/4	
7	2,180.11	7	1,821.02	7	1,461.94	7	1,102.88	7	744.15	7	385.08	7	30.85	7		7		7	
1/4	2,172.63	1/4	1,813.54	1/4	1,454.45	1/4	1,095.41	1/4	736.67	1/4	377.60	1/4	25.56	1/4		1/4		1/4	
1/2	2,165.15	1/2	1,806.06	1/2	1,446.97	1/2	1,087.94	1/2	729.19	1/2	370.12	1/2	20.26	1/2		1/2		1/2	
3/4	2,157.67	3/4	1,798.58	3/4	1,439.49	3/4	1,080.47	3/4	721.71	3/4	362.64	3/4	14.96	3/4		3/4		3/4	
8	2,150.19	8	1,791.10	8	1,432.01	8	1,073.00	8	714.23	8	355.16	8		8		8		8	
1/4	2,142.71	1/4	1,783.62	1/4	1,424.53	1/4	1,065.53	1/4	706.75	1/4	347.68	1/4		1/4		1/4		1/4	
1/2	2,135.23	1/2	1,776.14	1/2	1,417.05	1/2	1,058.07	1/2	699.27	1/2	340.20	1/2		1/2		1/2		1/2	
3/4	2,127.74	3/4	1,768.66	3/4	1,409.57	3/4	1,050.60	3/4	691.79	3/4	332.72	3/4		3/4		3/4		3/4	
9	2,120.26	9	1,761.18	9	1,402.09	9	1,043.13	9	684.31	9	325.23	9		9		9		9	
1/4	2,112.78	1/4	1,753.69	1/4	1,394.61	1/4	1,035.66	1/4	676.83	1/4	317.75	1/4		1/4		1/4		1/4	
1/2	2,105.30	1/2	1,746.21	1/2	1,387.13	1/2	1,028.19	1/2	669.35	1/2	310.27	1/2		1/2		1/2		1/2	
3/4	2,097.82	3/4	1,738.73	3/4	1,379.64	3/4	1,020.72	3/4	661.87	3/4	302.79	3/4		3/4		3/4		3/4	
10	2,090.34	10	1,731.25	10	1,372.16	10	1,013.25	10	654.39	10	295.31	10		10		10		10	
1/4	2,082.86	1/4	1,723.77	1/4	1,364.68	1/4	1,005.78	1/4	646.90	1/4	287.83	1/4		1/4		1/4		1/4	
1/2	2,075.38	1/2	1,716.29	1/2	1,357.20	1/2	998.32	1/2	639.42	1/2	280.35	1/2		1/2		1/2		1/2	
3/4	2,067.90	3/4	1,708.81	3/4	1,349.72	3/4	990.85	3/4	631.94	3/4	272.87	3/4		3/4		3/4		3/4	
11	2,060.42	11	1,701.33	11	1,342.24	11	983.38	11	624.46	11	265.39	11		11		11		11	
1/4	2,052.93	1/4	1,693.85	1/4	1,334.76	1/4	975.91	1/4	616.98	1/4	257.91	1/4		1/4		1/4		1/4	
1/2	2,045.45	1/2	1,686.37	1/2	1,327.28	1/2	968.44	1/2	609.50	1/2	250.43	1/2		1/2		1/2		1/2	
3/4	2,037.97	3/4	1,678.88	3/4	1,319.80	3/4	960.97	3/4	602.02	3/4	242.95	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/25/2014 CL  
CALCULATED: 11/26/2014 CL  
PRINTED: 11/26/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2014

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



# BARGE "KIRBY 29134"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

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	4,765.54	0	4,448.54	0	4,125.11	0	3,786.56	0	3,433.38	0	3,075.76	0	2,716.72
1/4		1/4		1/4		1/4	4,760.43	1/4	4,441.96	1/4	4,118.22	1/4	3,779.35	1/4	3,425.93	1/4	3,068.28	1/4	2,709.24
1/2		1/2		1/2		1/2	4,755.32	1/2	4,435.38	1/2	4,111.32	1/2	3,772.13	1/2	3,418.48	1/2	3,060.80	1/2	2,701.76
3/4		3/4		3/4		3/4	4,748.98	3/4	4,428.78	3/4	4,104.40	3/4	3,764.89	3/4	3,411.03	3/4	3,053.32	3/4	2,694.28
1	1	1	1	1	1	1	4,742.63	1	4,422.18	1	4,097.48	1	3,757.65	1	3,403.58	1	3,045.84	1	2,686.80
1/4		1/4		1/4		1/4	4,736.29	1/4	4,415.57	1/4	4,090.55	1/4	3,750.41	1/4	3,396.14	1/4	3,038.36	1/4	2,679.32
1/2		1/2		1/2		1/2	4,729.95	1/2	4,408.97	1/2	4,083.63	1/2	3,743.17	1/2	3,388.69	1/2	3,030.88	1/2	2,671.84
3/4		3/4		3/4		3/4	4,722.72	3/4	4,402.33	3/4	4,076.69	3/4	3,735.91	3/4	3,381.24	3/4	3,023.40	3/4	2,664.36
2	2	2	2	2	2	2	4,715.49	2	4,395.70	2	4,069.74	2	3,728.65	2	3,373.79	2	3,015.92	2	2,656.88
1/4		1/4		1/4		1/4	4,708.27	1/4	4,389.07	1/4	4,062.79	1/4	3,721.39	1/4	3,366.35	1/4	3,008.44	1/4	2,649.40
1/2		1/2		1/2		1/2	4,701.04	1/2	4,382.44	1/2	4,055.85	1/2	3,714.12	1/2	3,358.90	1/2	3,000.96	1/2	2,641.92
3/4		3/4		3/4		3/4	4,693.59	3/4	4,375.78	3/4	4,048.87	3/4	3,706.84	3/4	3,351.45	3/4	2,993.48	3/4	2,634.44
3	3	3	3	3	3	3	4,686.14	3	4,369.12	3	4,041.90	3	3,699.55	3	3,344.00	3	2,986.00	3	2,626.96
1/4		1/4		1/4		1/4	4,678.70	1/4	4,362.46	1/4	4,034.93	1/4	3,692.26	1/4	3,336.55	1/4	2,978.52	1/4	2,619.48
1/2		1/2		1/2		1/2	4,671.25	1/2	4,355.81	1/2	4,027.95	1/2	3,684.97	1/2	3,329.11	1/2	2,971.04	1/2	2,612.00
3/4		3/4		3/4		3/4	4,664.20	3/4	4,349.12	3/4	4,020.95	3/4	3,677.66	3/4	3,321.66	3/4	2,963.56	3/4	2,604.52
4	4	4	4	4	4	4	4,657.15	4	4,342.44	4	4,013.95	4	3,670.34	4	3,314.21	4	2,956.08	4	2,597.04
1/4		1/4		1/4		1/4	4,650.10	1/4	4,335.75	1/4	4,006.96	1/4	3,663.03	1/4	3,306.76	1/4	2,948.60	1/4	2,589.56
1/2		1/2		1/2		1/2	4,643.05	1/2	4,329.07	1/2	3,999.96	1/2	3,655.71	1/2	3,299.31	1/2	2,941.12	1/2	2,582.08
3/4		3/4		3/4		3/4	4,636.65	3/4	4,322.35	3/4	3,992.93	3/4	3,648.37	3/4	3,291.87	3/4	2,933.64	3/4	2,574.60
5	5	5	5	5	5	5	4,630.25	5	4,315.64	5	3,985.90	5	3,641.03	5	3,284.42	5	2,926.16	5	2,567.12
1/4		1/4		1/4		1/4	4,623.86	1/4	4,308.93	1/4	3,978.88	1/4	3,633.69	1/4	3,276.97	1/4	2,918.68	1/4	2,559.64
1/2		1/2		1/2		1/2	4,617.46	1/2	4,302.22	1/2	3,971.85	1/2	3,626.35	1/2	3,269.52	1/2	2,911.20	1/2	2,552.16
3/4		3/4		3/4		3/4	4,611.04	3/4	4,295.48	3/4	3,964.80	3/4	3,618.98	3/4	3,262.07	3/4	2,903.72	3/4	2,544.68
6	6	6	6	6	6	6	4,604.61	6	4,288.75	6	3,957.74	6	3,611.61	6	3,254.63	6	2,896.24	6	2,537.20
1/4		1/4		1/4		1/4	4,598.19	1/4	4,282.01	1/4	3,950.69	1/4	3,604.24	1/4	3,247.18	1/4	2,888.76	1/4	2,529.72
1/2		1/2		1/2		1/2	4,591.77	1/2	4,275.27	1/2	3,943.64	1/2	3,596.87	1/2	3,239.73	1/2	2,881.28	1/2	2,522.24
3/4		3/4		3/4		3/4	4,585.32	3/4	4,268.51	3/4	3,936.56	3/4	3,589.48	3/4	3,232.28	3/4	2,873.80	3/4	2,514.76
7	7	7	7	7	7	7	4,578.87	7	4,261.74	7	3,929.48	7	3,582.09	7	3,224.84	7	2,866.32	7	2,507.28
1/4		1/4		1/4		1/4	4,572.42	1/4	4,254.98	1/4	3,922.40	1/4	3,574.69	1/4	3,217.39	1/4	2,858.84	1/4	2,499.80
1/2		1/2		1/2		1/2	4,565.97	1/2	4,248.21	1/2	3,915.32	1/2	3,567.30	1/2	3,209.94	1/2	2,851.36	1/2	2,492.32
3/4		3/4		3/4		3/4	4,559.49	3/4	4,241.42	3/4	3,908.22	3/4	3,559.88	3/4	3,202.49	3/4	2,843.88	3/4	2,484.84
8	8	8	8	8	8	8	4,553.01	8	4,234.63	8	3,901.11	8	3,552.46	8	3,195.04	8	2,836.40	8	2,477.36
1/4		1/4		1/4		1/4	4,546.54	1/4	4,227.84	1/4	3,894.00	1/4	3,545.03	1/4	3,187.60	1/4	2,828.92	1/4	2,469.88
1/2		1/2		1/2		1/2	4,540.06	1/2	4,221.05	1/2	3,886.90	1/2	3,537.61	1/2	3,180.15	1/2	2,821.44	1/2	2,462.40
3/4		3/4		3/4		3/4	4,533.56	3/4	4,214.23	3/4	3,879.77	3/4	3,530.17	3/4	3,172.70	3/4	2,813.96	3/4	2,454.92
9	9	9	9	9	9	9	4,527.06	9	4,207.41	9	3,872.63	9	3,522.73	9	3,165.25	9	2,806.48	9	2,447.44
1/4		1/4		1/4		1/4	4,520.55	1/4	4,200.59	1/4	3,865.50	1/4	3,515.30	1/4	3,157.80	1/4	2,799.00	1/4	2,439.96
1/2		1/2		1/2		1/2	4,514.05	1/2	4,193.78	1/2	3,858.37	1/2	3,507.86	1/2	3,150.36	1/2	2,791.52	1/2	2,432.48
3/4		3/4		3/4		3/4	4,507.52	3/4	4,186.93	3/4	3,851.21	3/4	3,500.41	3/4	3,142.91	3/4	2,784.04	3/4	2,425.00
10	10	10	10	10	10	10	4,500.99	10	4,180.09	10	3,844.05	10	3,492.96	10	3,135.46	10	2,776.56	10	2,417.52
1/4		1/4		1/4		1/4	4,494.46	1/4	4,173.24	1/4	3,836.89	1/4	3,485.51	1/4	3,128.01	1/4	2,769.08	1/4	2,410.04
1/2		1/2		1/2		1/2	4,487.93	1/2	4,166.40	1/2	3,829.73	1/2	3,478.06	1/2	3,120.56	1/2	2,761.60	1/2	2,402.56
3/4		3/4		3/4		3/4	4,481.37	3/4	4,159.52	3/4	3,822.54	3/4	3,470.62	3/4	3,113.10	3/4	2,754.12	3/4	2,395.08
11	11	11	11	11	11	11	4,474.82	11	4,152.65	11	3,815.36	11	3,463.17	11	3,105.64	11	2,746.64	11	2,387.60
1/4		1/4		1/4		1/4	4,468.26	1/4	4,145.78	1/4	3,808.17	1/4	3,455.72	1/4	3,098.18	1/4	2,739.16	1/4	2,380.12
1/2		1/2		1/2		1/2	4,461.70	1/2	4,138.91	1/2	3,800.98	1/2	3,448.27	1/2	3,090.72	1/2	2,731.68	1/2	2,372.64
3/4		3/4		3/4		3/4	4,455.12	3/4	4,132.01	3/4	3,793.77	3/4	3,440.82	3/4	3,083.24	3/4	2,724.20	3/4	2,365.16

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 29134"

## 2 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	2,357.68	0	1,998.64	0	1,639.60	0	1,289.47	0	944.66	0	586.99	0	227.96	0		0		0	
1/4	2,350.20	1/4	1,991.16	1/4	1,632.12	1/4	1,282.27	1/4	937.48	1/4	579.51	1/4	220.48	1/4		1/4		1/4	
1/2	2,342.72	1/2	1,983.68	1/2	1,624.64	1/2	1,275.08	1/2	930.30	1/2	572.03	1/2	213.00	1/2		1/2		1/2	
3/4	2,335.24	3/4	1,976.20	3/4	1,617.16	3/4	1,267.88	3/4	923.01	3/4	564.55	3/4	205.52	3/4		3/4		3/4	
1	2,327.76	1	1,968.72	1	1,609.68	1	1,260.68	1	915.72	1	557.07	1	198.04	1		1		1	
1/4	2,320.28	1/4	1,961.24	1/4	1,602.20	1/4	1,253.48	1/4	908.43	1/4	549.59	1/4	190.57	1/4		1/4		1/4	
1/2	2,312.80	1/2	1,953.76	1/2	1,594.72	1/2	1,246.29	1/2	901.14	1/2	542.11	1/2	183.09	1/2		1/2		1/2	
3/4	2,305.32	3/4	1,946.28	3/4	1,587.24	3/4	1,239.09	3/4	893.66	3/4	534.63	3/4	175.62	3/4		3/4		3/4	
2	2,297.84	2	1,938.80	2	1,579.76	2	1,231.89	2	886.18	2	527.15	2	168.15	2		2		2	
1/4	2,290.36	1/4	1,931.32	1/4	1,572.28	1/4	1,224.70	1/4	878.70	1/4	519.67	1/4	160.67	1/4		1/4		1/4	
1/2	2,282.88	1/2	1,923.84	1/2	1,564.80	1/2	1,217.50	1/2	871.22	1/2	512.19	1/2	153.20	1/2		1/2		1/2	
3/4	2,275.40	3/4	1,916.36	3/4	1,557.32	3/4	1,210.31	3/4	863.74	3/4	504.71	3/4	145.74	3/4		3/4		3/4	
3	2,267.92	3	1,908.88	3	1,549.84	3	1,203.11	3	856.26	3	497.23	3	138.28	3		3		3	
1/4	2,260.44	1/4	1,901.40	1/4	1,542.36	1/4	1,195.92	1/4	848.78	1/4	489.75	1/4	130.82	1/4		1/4		1/4	
1/2	2,252.96	1/2	1,893.92	1/2	1,534.88	1/2	1,188.73	1/2	841.30	1/2	482.27	1/2	123.36	1/2		1/2		1/2	
3/4	2,245.48	3/4	1,886.44	3/4	1,527.51	3/4	1,181.55	3/4	833.82	3/4	474.79	3/4	115.92	3/4		3/4		3/4	
4	2,238.00	4	1,878.96	4	1,520.13	4	1,174.36	4	826.34	4	467.31	4	108.48	4		4		4	
1/4	2,230.52	1/4	1,871.48	1/4	1,512.76	1/4	1,167.18	1/4	818.86	1/4	459.83	1/4	101.04	1/4		1/4		1/4	
1/2	2,223.04	1/2	1,864.00	1/2	1,505.38	1/2	1,159.99	1/2	811.38	1/2	452.35	1/2	93.59	1/2		1/2		1/2	
3/4	2,215.56	3/4	1,856.52	3/4	1,498.19	3/4	1,152.81	3/4	803.90	3/4	444.87	3/4	86.18	3/4		3/4		3/4	
5	2,208.08	5	1,849.04	5	1,490.99	5	1,145.63	5	796.42	5	437.39	5	78.77	5		5		5	
1/4	2,200.60	1/4	1,841.56	1/4	1,483.79	1/4	1,138.45	1/4	788.94	1/4	429.91	1/4	71.36	1/4		1/4		1/4	
1/2	2,193.12	1/2	1,834.08	1/2	1,476.60	1/2	1,131.26	1/2	781.46	1/2	422.43	1/2	63.95	1/2		1/2		1/2	
3/4	2,185.64	3/4	1,826.60	3/4	1,469.40	3/4	1,124.09	3/4	773.98	3/4	414.95	3/4	57.00	3/4		3/4		3/4	
6	2,178.16	6	1,819.12	6	1,462.20	6	1,116.91	6	766.50	6	407.47	6	50.05	6		6		6	
1/4	2,170.68	1/4	1,811.64	1/4	1,455.00	1/4	1,109.73	1/4	759.02	1/4	399.99	1/4	43.10	1/4		1/4		1/4	
1/2	2,163.20	1/2	1,804.16	1/2	1,447.81	1/2	1,102.56	1/2	751.54	1/2	392.51	1/2	36.14	1/2		1/2		1/2	
3/4	2,155.72	3/4	1,796.68	3/4	1,440.61	3/4	1,095.38	3/4	744.06	3/4	385.03	3/4	30.85	3/4		3/4		3/4	
7	2,148.24	7	1,789.20	7	1,433.41	7	1,088.20	7	736.58	7	377.55	7	25.55	7		7		7	
1/4	2,140.76	1/4	1,781.72	1/4	1,426.22	1/4	1,081.02	1/4	729.10	1/4	370.07	1/4	20.26	1/4		1/4		1/4	
1/2	2,133.28	1/2	1,774.24	1/2	1,419.02	1/2	1,073.85	1/2	721.62	1/2	362.59	1/2	14.96	1/2		1/2		1/2	
3/4	2,125.80	3/4	1,766.76	3/4	1,411.82	3/4	1,066.67	3/4	714.14	3/4	355.11	3/4		3/4		3/4		3/4	
8	2,118.32	8	1,759.28	8	1,404.62	8	1,059.49	8	706.66	8	347.63	8		8		8		8	
1/4	2,110.84	1/4	1,751.80	1/4	1,397.43	1/4	1,052.31	1/4	699.18	1/4	340.15	1/4		1/4		1/4		1/4	
1/2	2,103.36	1/2	1,744.32	1/2	1,390.23	1/2	1,045.14	1/2	691.70	1/2	332.67	1/2		1/2		1/2		1/2	
3/4	2,095.88	3/4	1,736.84	3/4	1,383.03	3/4	1,037.96	3/4	684.22	3/4	325.19	3/4		3/4		3/4		3/4	
9	2,088.40	9	1,729.36	9	1,375.84	9	1,030.78	9	676.75	9	317.71	9		9		9		9	
1/4	2,080.92	1/4	1,721.88	1/4	1,368.64	1/4	1,023.61	1/4	669.27	1/4	310.23	1/4		1/4		1/4		1/4	
1/2	2,073.44	1/2	1,714.40	1/2	1,361.44	1/2	1,016.43	1/2	661.79	1/2	302.76	1/2		1/2		1/2		1/2	
3/4	2,065.96	3/4	1,706.92	3/4	1,354.24	3/4	1,009.25	3/4	654.31	3/4	295.28	3/4		3/4		3/4		3/4	
10	2,058.48	10	1,699.44	10	1,347.05	10	1,002.07	10	646.83	10	287.80	10		10		10		10	
1/4	2,051.00	1/4	1,691.96	1/4	1,339.85	1/4	994.90	1/4	639.35	1/4	280.32	1/4		1/4		1/4		1/4	
1/2	2,043.52	1/2	1,684.48	1/2	1,332.65	1/2	987.72	1/2	631.87	1/2	272.84	1/2		1/2		1/2		1/2	
3/4	2,036.04	3/4	1,677.00	3/4	1,325.46	3/4	980.54	3/4	624.39	3/4	265.36	3/4		3/4		3/4		3/4	
11	2,028.56	11	1,669.52	11	1,318.26	11	973.37	11	616.91	11	257.88	11		11		11		11	
1/4	2,021.08	1/4	1,662.04	1/4	1,311.06	1/4	966.19	1/4	609.43	1/4	250.40	1/4		1/4		1/4		1/4	
1/2	2,013.60	1/2	1,654.56	1/2	1,303.86	1/2	959.01	1/2	601.95	1/2	242.92	1/2		1/2		1/2		1/2	
3/4	2,006.12	3/4	1,647.08	3/4	1,296.67	3/4	951.83	3/4	594.47	3/4	235.44	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/25/2014 CL  
CALCULATED: 11/26/2014 CL  
PRINTED: 11/26/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2014

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



# BARGE "KIRBY 29134"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,632.22	0	4,293.56	0	3,938.40	0	3,567.21	0	3,190.95	0	2,813.12
1/4		1/4		1/4		1/4		1/4	4,957.71	1/4	4,286.32	1/4	3,930.82	1/4	3,559.37	1/4	3,183.08	1/4	2,805.25
1/2		1/2		1/2		1/2		1/2	4,952.34	1/2	4,618.44	1/2	4,279.08	1/2	3,923.24	1/2	3,551.53	1/2	3,175.20
3/4		3/4		3/4		3/4		3/4	4,946.96	3/4	4,611.55	3/4	4,271.85	3/4	3,915.66	3/4	3,543.70	3/4	3,167.33
1		1		1		1		1	4,940.29	1	4,604.63	1	4,264.59	1	3,908.05	1	3,535.86	1	3,159.46
1/4		1/4		1/4		1/4		1/4	4,933.61	1/4	4,597.72	1/4	4,257.32	1/4	3,900.44	1/4	3,528.02	1/4	3,151.59
1/2		1/2		1/2		1/2		1/2	4,926.94	1/2	4,590.80	1/2	4,250.06	1/2	3,892.83	1/2	3,520.19	1/2	3,143.72
3/4		3/4		3/4		3/4		3/4	4,920.27	3/4	4,583.88	3/4	4,242.80	3/4	3,885.22	3/4	3,512.35	3/4	3,135.85
2		2		2		2		2	4,912.66	2	4,576.93	2	4,235.51	2	3,877.59	2	3,504.51	2	3,127.98
1/4		1/4		1/4		1/4		1/4	4,905.05	1/4	4,569.99	1/4	4,228.22	1/4	3,869.95	1/4	3,496.68	1/4	3,120.11
1/2		1/2		1/2		1/2		1/2	4,897.44	1/2	4,563.04	1/2	4,220.93	1/2	3,862.32	1/2	3,488.84	1/2	3,112.23
3/4		3/4		3/4		3/4		3/4	4,889.84	3/4	4,556.09	3/4	4,213.64	3/4	3,854.69	3/4	3,481.00	3/4	3,104.36
3		3		3		3		3	4,882.00	3	4,549.12	3	4,206.32	3	3,847.02	3	3,473.17	3	3,096.49
1/4		1/4		1/4		1/4		1/4	4,874.16	1/4	4,542.14	1/4	4,199.00	1/4	3,839.36	1/4	3,465.33	1/4	3,088.62
1/2		1/2		1/2		1/2		1/2	4,866.33	1/2	4,535.17	1/2	4,191.68	1/2	3,831.70	1/2	3,457.49	1/2	3,080.75
3/4		3/4		3/4		3/4		3/4	4,858.49	3/4	4,528.19	3/4	4,184.36	3/4	3,824.04	3/4	3,449.66	3/4	3,072.88
4		4		4		4		4	4,851.09	4	4,521.19	4	4,177.02	4	3,816.34	4	3,441.82	4	3,065.01
1/4		1/4		1/4		1/4		1/4	4,843.68	1/4	4,514.18	1/4	4,169.67	1/4	3,808.65	1/4	3,433.99	1/4	3,057.13
1/2		1/2		1/2		1/2		1/2	4,836.28	1/2	4,507.18	1/2	4,162.32	1/2	3,800.96	1/2	3,426.15	1/2	3,049.26
3/4		3/4		3/4		3/4		3/4	4,828.88	3/4	4,500.17	3/4	4,154.97	3/4	3,793.27	3/4	3,418.31	3/4	3,041.39
5		5		5		5		5	4,822.19	5	4,493.14	5	4,147.60	5	3,785.55	5	3,410.48	5	3,033.52
1/4		1/4		1/4		1/4		1/4	4,815.50	1/4	4,486.11	1/4	4,140.22	1/4	3,777.83	1/4	3,402.64	1/4	3,025.65
1/2		1/2		1/2		1/2		1/2	4,808.81	1/2	4,479.07	1/2	4,132.84	1/2	3,770.11	1/2	3,394.80	1/2	3,017.78
3/4		3/4		3/4		3/4		3/4	4,802.12	3/4	4,472.04	3/4	4,125.46	3/4	3,762.39	3/4	3,386.97	3/4	3,009.91
6		6		6		6		6	4,795.40	6	4,464.98	6	4,118.06	6	3,754.64	6	3,379.13	6	3,002.04
1/4		1/4		1/4		1/4		1/4	4,788.68	1/4	4,457.92	1/4	4,110.65	1/4	3,746.89	1/4	3,371.29	1/4	2,994.16
1/2		1/2		1/2		1/2		1/2	4,781.96	1/2	4,450.85	1/2	4,103.25	1/2	3,739.14	1/2	3,363.46	1/2	2,986.29
3/4		3/4		3/4		3/4		3/4	4,775.24	3/4	4,443.79	3/4	4,095.84	3/4	3,731.39	3/4	3,355.62	3/4	2,978.42
7		7		7		7		7	4,768.49	7	4,436.70	7	4,088.41	7	3,723.61	7	3,347.78	7	2,970.55
1/4		1/4		1/4		1/4		1/4	4,761.74	1/4	4,429.61	1/4	4,080.97	1/4	3,715.83	1/4	3,339.95	1/4	2,962.68
1/2		1/2		1/2		1/2		1/2	4,755.00	1/2	4,422.52	1/2	4,073.54	1/2	3,708.06	1/2	3,332.11	1/2	2,954.81
3/4		3/4		3/4		3/4		3/4	4,748.25	3/4	4,415.43	3/4	4,066.10	3/4	3,700.28	3/4	3,324.27	3/4	2,946.94
8		8		8		8		8	4,741.47	8	4,408.31	8	4,058.64	8	3,692.47	8	3,316.44	8	2,939.07
1/4		1/4		1/4		1/4		1/4	4,734.69	1/4	4,401.18	1/4	4,051.18	1/4	3,684.66	1/4	3,308.60	1/4	2,931.19
1/2		1/2		1/2		1/2		1/2	4,727.92	1/2	4,394.06	1/2	4,043.71	1/2	3,676.86	1/2	3,300.76	1/2	2,923.32
3/4		3/4		3/4		3/4		3/4	4,721.14	3/4	4,386.94	3/4	4,036.25	3/4	3,669.05	3/4	3,292.93	3/4	2,915.45
9		9		9		9		9	4,714.33	9	4,379.79	9	4,028.76	9	3,661.22	9	3,285.09	9	2,907.58
1/4		1/4		1/4		1/4		1/4	4,707.52	1/4	4,372.64	1/4	4,021.26	1/4	3,653.39	1/4	3,277.26	1/4	2,899.71
1/2		1/2		1/2		1/2		1/2	4,700.72	1/2	4,365.49	1/2	4,013.77	1/2	3,645.56	1/2	3,269.42	1/2	2,891.84
3/4		3/4		3/4		3/4		3/4	4,693.91	3/4	4,358.35	3/4	4,006.28	3/4	3,637.73	3/4	3,261.58	3/4	2,883.97
10		10		10		10		10	4,687.08	10	4,351.17	10	3,998.75	10	3,629.90	10	3,253.75	10	2,876.09
1/4		1/4		1/4		1/4		1/4	4,680.24	1/4	4,343.99	1/4	3,991.23	1/4	3,622.06	1/4	3,245.91	1/4	2,868.22
1/2		1/2		1/2		1/2		1/2	4,673.40	1/2	4,336.81	1/2	3,983.71	1/2	3,614.22	1/2	3,238.07	1/2	2,860.35
3/4		3/4		3/4		3/4		3/4	4,666.57	3/4	4,329.63	3/4	3,976.19	3/4	3,606.39	3/4	3,230.24	3/4	2,852.48
11		11		11		11		11	4,659.70	11	4,322.42	11	3,968.64	11	3,598.55	11	3,222.38	11	2,844.61
1/4		1/4		1/4		1/4		1/4	4,652.84	1/4	4,315.21	1/4	3,961.09	1/4	3,590.72	1/4	3,214.53	1/4	2,836.74
1/2		1/2		1/2		1/2		1/2	4,645.97	1/2	4,308.01	1/2	3,953.53	1/2	3,582.88	1/2	3,206.67	1/2	2,828.87
3/4		3/4		3/4		3/4		3/4	4,639.11	3/4	4,300.80	3/4	3,945.98	3/4	3,575.04	3/4	3,198.82	3/4	2,821.00

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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



# BARGE "KIRBY 29134"

## 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	2,435.30	0	2,057.48	0	1,679.66	0	1,301.83	0	924.28	0	546.59	0	195.98	0		0		0	
1/4	2,427.43	1/4	2,049.61	1/4	1,671.79	1/4	1,293.96	1/4	916.42	1/4	538.73	1/4	189.36	1/4		1/4		1/4	
1/2	2,419.56	1/2	2,041.74	1/2	1,663.91	1/2	1,286.09	1/2	908.57	1/2	530.87	1/2	182.73	1/2		1/2		1/2	
3/4	2,411.69	3/4	2,033.87	3/4	1,656.04	3/4	1,278.22	3/4	900.71	3/4	523.01	3/4	176.10	3/4		3/4		3/4	
1	2,403.82	1	2,025.99	1	1,648.17	1	1,270.35	1	892.85	1	515.20	1	169.59	1		1		1	
1/4	2,395.95	1/4	2,018.12	1/4	1,640.30	1/4	1,262.48	1/4	884.99	1/4	507.38	1/4	163.07	1/4		1/4		1/4	
1/2	2,388.07	1/2	2,010.25	1/2	1,632.43	1/2	1,254.61	1/2	877.13	1/2	499.57	1/2	156.56	1/2		1/2		1/2	
3/4	2,380.20	3/4	2,002.38	3/4	1,624.56	3/4	1,246.74	3/4	869.27	3/4	491.76	3/4	150.04	3/4		3/4		3/4	
2	2,372.33	2	1,994.51	2	1,616.69	2	1,238.86	2	861.40	2	484.04	2	143.64	2		2		2	
1/4	2,364.46	1/4	1,986.64	1/4	1,608.82	1/4	1,230.99	1/4	853.54	1/4	476.32	1/4	137.24	1/4		1/4		1/4	
1/2	2,356.59	1/2	1,978.77	1/2	1,600.94	1/2	1,223.12	1/2	845.68	1/2	468.59	1/2	130.84	1/2		1/2		1/2	
3/4	2,348.72	3/4	1,970.90	3/4	1,593.07	3/4	1,215.25	3/4	837.81	3/4	460.87	3/4	124.44	3/4		3/4		3/4	
3	2,340.85	3	1,963.02	3	1,585.20	3	1,207.38	3	829.94	3	453.26	3	118.16	3		3		3	
1/4	2,332.98	1/4	1,955.15	1/4	1,577.33	1/4	1,199.51	1/4	822.07	1/4	445.65	1/4	111.88	1/4		1/4		1/4	
1/2	2,325.10	1/2	1,947.28	1/2	1,569.46	1/2	1,191.64	1/2	814.20	1/2	438.04	1/2	105.61	1/2		1/2		1/2	
3/4	2,317.23	3/4	1,939.41	3/4	1,561.59	3/4	1,183.77	3/4	806.33	3/4	430.43	3/4	99.33	3/4		3/4		3/4	
4	2,309.36	4	1,931.54	4	1,553.72	4	1,175.89	4	798.46	4	422.93	4	93.18	4		4		4	
1/4	2,301.49	1/4	1,923.67	1/4	1,545.85	1/4	1,168.02	1/4	790.59	1/4	415.42	1/4	87.03	1/4		1/4		1/4	
1/2	2,293.62	1/2	1,915.80	1/2	1,537.97	1/2	1,160.15	1/2	782.71	1/2	407.92	1/2	80.88	1/2		1/2		1/2	
3/4	2,285.75	3/4	1,907.93	3/4	1,530.10	3/4	1,152.28	3/4	774.84	3/4	400.42	3/4	74.73	3/4		3/4		3/4	
5	2,277.88	5	1,900.05	5	1,522.23	5	1,144.41	5	766.97	5	393.03	5	68.72	5		5		5	
1/4	2,270.00	1/4	1,892.18	1/4	1,514.36	1/4	1,136.54	1/4	759.10	1/4	385.63	1/4	62.71	1/4		1/4		1/4	
1/2	2,262.13	1/2	1,884.31	1/2	1,506.49	1/2	1,128.67	1/2	751.23	1/2	378.24	1/2	56.70	1/2		1/2		1/2	
3/4	2,254.26	3/4	1,876.44	3/4	1,498.62	3/4	1,120.80	3/4	743.36	3/4	370.85	3/4	50.70	3/4		3/4		3/4	
6	2,246.39	6	1,868.57	6	1,490.75	6	1,112.93	6	735.49	6	363.57	6	45.28	6		6		6	
1/4	2,238.52	1/4	1,860.70	1/4	1,482.87	1/4	1,105.06	1/4	727.62	1/4	356.28	1/4	39.86	1/4		1/4		1/4	
1/2	2,230.65	1/2	1,852.83	1/2	1,475.00	1/2	1,097.20	1/2	719.75	1/2	349.00	1/2	34.45	1/2		1/2		1/2	
3/4	2,222.78	3/4	1,844.95	3/4	1,467.13	3/4	1,089.33	3/4	711.88	3/4	341.72	3/4	29.03	3/4		3/4		3/4	
7	2,214.91	7	1,837.08	7	1,459.26	7	1,081.47	7	704.00	7	334.54	7	25.07	7		7		7	
1/4	2,207.03	1/4	1,829.21	1/4	1,451.39	1/4	1,073.61	1/4	696.13	1/4	327.37	1/4	21.11	1/4		1/4		1/4	
1/2	2,199.16	1/2	1,821.34	1/2	1,443.52	1/2	1,065.75	1/2	688.26	1/2	320.19	1/2	17.15	1/2		1/2		1/2	
3/4	2,191.29	3/4	1,813.47	3/4	1,435.65	3/4	1,057.89	3/4	680.39	3/4	313.02	3/4	13.18	3/4		3/4		3/4	
8	2,183.42	8	1,805.60	8	1,427.78	8	1,050.03	8	672.52	8	305.96	8		8		8		8	
1/4	2,175.55	1/4	1,797.73	1/4	1,419.90	1/4	1,042.17	1/4	664.65	1/4	298.89	1/4		1/4		1/4		1/4	
1/2	2,167.68	1/2	1,789.86	1/2	1,412.03	1/2	1,034.31	1/2	656.78	1/2	291.83	1/2		1/2		1/2		1/2	
3/4	2,159.81	3/4	1,781.98	3/4	1,404.16	3/4	1,026.46	3/4	648.91	3/4	284.76	3/4		3/4		3/4		3/4	
9	2,151.94	9	1,774.11	9	1,396.29	9	1,018.60	9	641.04	9	277.81	9		9		9		9	
1/4	2,144.06	1/4	1,766.24	1/4	1,388.42	1/4	1,010.74	1/4	633.16	1/4	270.85	1/4		1/4		1/4		1/4	
1/2	2,136.19	1/2	1,758.37	1/2	1,380.55	1/2	1,002.88	1/2	625.29	1/2	263.90	1/2		1/2		1/2		1/2	
3/4	2,128.32	3/4	1,750.50	3/4	1,372.68	3/4	995.02	3/4	617.42	3/4	256.94	3/4		3/4		3/4		3/4	
10	2,120.45	10	1,742.63	10	1,364.81	10	987.16	10	609.55	10	250.09	10		10		10		10	
1/4	2,112.58	1/4	1,734.76	1/4	1,356.93	1/4	979.30	1/4	601.68	1/4	243.25	1/4		1/4		1/4		1/4	
1/2	2,104.71	1/2	1,726.89	1/2	1,349.06	1/2	971.44	1/2	593.81	1/2	236.40	1/2		1/2		1/2		1/2	
3/4	2,096.84	3/4	1,719.01	3/4	1,341.19	3/4	963.58	3/4	585.94	3/4	229.56	3/4		3/4		3/4		3/4	
11	2,088.96	11	1,711.14	11	1,333.32	11	955.72	11	578.07	11	222.82	11		11		11		11	
1/4	2,081.09	1/4	1,703.27	1/4	1,325.45	1/4	947.86	1/4	570.20	1/4	216.08	1/4		1/4		1/4		1/4	
1/2	2,073.22	1/2	1,695.40	1/2	1,317.58	1/2	940.00	1/2	562.32	1/2	209.35	1/2		1/2		1/2		1/2	
3/4	2,065.35	3/4	1,687.53	3/4	1,309.71	3/4	932.14	3/4	554.45	3/4	202.61	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/25/2014 CL  
CALCULATED: 11/26/2014 CL  
PRINTED: 11/26/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2014

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



# BARGE "KIRBY 29134"

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

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 29134"

## 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	2,425.67	0	2,047.84	0	1,670.02	0	1,293.53	0	916.52	0	538.73	0	189.36	0		0		0	
1/4	2,417.80	1/4	2,039.97	1/4	1,662.14	1/4	1,285.71	1/4	908.65	1/4	530.87	1/4	182.73	1/4		1/4		1/4	
1/2	2,409.93	1/2	2,032.10	1/2	1,654.27	1/2	1,277.89	1/2	900.78	1/2	523.01	1/2	176.10	1/2		1/2		1/2	
3/4	2,402.06	3/4	2,024.23	3/4	1,646.40	3/4	1,270.06	3/4	892.91	3/4	515.20	3/4	169.59	3/4		3/4		3/4	
1	2,394.18	1	2,016.36	1	1,638.53	1	1,262.24	1	885.04	1	507.38	1	163.07	1		1		1	
1/4	2,386.31	1/4	2,008.49	1/4	1,630.66	1/4	1,254.42	1/4	877.17	1/4	499.57	1/4	156.56	1/4		1/4		1/4	
1/2	2,378.44	1/2	2,000.61	1/2	1,622.79	1/2	1,246.60	1/2	869.30	1/2	491.76	1/2	150.04	1/2		1/2		1/2	
3/4	2,370.57	3/4	1,992.74	3/4	1,614.92	3/4	1,238.78	3/4	861.43	3/4	484.04	3/4	143.64	3/4		3/4		3/4	
2	2,362.70	2	1,984.87	2	1,607.04	2	1,230.95	2	853.55	2	476.32	2	137.24	2		2		2	
1/4	2,354.83	1/4	1,977.00	1/4	1,599.17	1/4	1,223.13	1/4	845.68	1/4	468.59	1/4	130.84	1/4		1/4		1/4	
1/2	2,346.96	1/2	1,969.13	1/2	1,591.30	1/2	1,215.31	1/2	837.81	1/2	460.87	1/2	124.44	1/2		1/2		1/2	
3/4	2,339.08	3/4	1,961.26	3/4	1,583.43	3/4	1,207.49	3/4	829.94	3/4	453.26	3/4	118.16	3/4		3/4		3/4	
3	2,331.21	3	1,953.39	3	1,575.56	3	1,199.67	3	822.07	3	445.65	3	111.88	3		3		3	
1/4	2,323.34	1/4	1,945.51	1/4	1,567.69	1/4	1,191.84	1/4	814.20	1/4	438.04	1/4	105.61	1/4		1/4		1/4	
1/2	2,315.47	1/2	1,937.64	1/2	1,559.82	1/2	1,184.02	1/2	806.33	1/2	430.43	1/2	99.33	1/2		1/2		1/2	
3/4	2,307.60	3/4	1,929.77	3/4	1,551.96	3/4	1,176.18	3/4	798.46	3/4	422.93	3/4	93.18	3/4		3/4		3/4	
4	2,299.73	4	1,921.90	4	1,544.10	4	1,168.34	4	790.59	4	415.42	4	87.03	4		4		4	
1/4	2,291.86	1/4	1,914.03	1/4	1,536.24	1/4	1,160.50	1/4	782.72	1/4	407.92	1/4	80.88	1/4		1/4		1/4	
1/2	2,283.98	1/2	1,906.16	1/2	1,528.38	1/2	1,152.66	1/2	774.84	1/2	400.42	1/2	74.73	1/2		1/2		1/2	
3/4	2,276.11	3/4	1,898.29	3/4	1,520.53	3/4	1,144.79	3/4	766.97	3/4	393.03	3/4	68.72	3/4		3/4		3/4	
5	2,268.24	5	1,890.41	5	1,512.69	5	1,136.91	5	759.10	5	385.63	5	62.71	5		5		5	
1/4	2,260.37	1/4	1,882.54	1/4	1,504.85	1/4	1,129.04	1/4	751.23	1/4	378.24	1/4	56.70	1/4		1/4		1/4	
1/2	2,252.50	1/2	1,874.67	1/2	1,497.01	1/2	1,121.17	1/2	743.36	1/2	370.85	1/2	50.70	1/2		1/2		1/2	
3/4	2,244.63	3/4	1,866.80	3/4	1,489.17	3/4	1,113.30	3/4	735.49	3/4	363.57	3/4	45.28	3/4		3/4		3/4	
6	2,236.76	6	1,858.93	6	1,481.33	6	1,105.43	6	727.62	6	356.28	6	39.86	6		6		6	
1/4	2,228.88	1/4	1,851.06	1/4	1,473.50	1/4	1,097.56	1/4	719.75	1/4	349.00	1/4	34.45	1/4		1/4		1/4	
1/2	2,221.01	1/2	1,843.19	1/2	1,465.66	1/2	1,089.69	1/2	711.88	1/2	341.72	1/2	29.03	1/2		1/2		1/2	
3/4	2,213.14	3/4	1,835.31	3/4	1,457.83	3/4	1,081.82	3/4	704.00	3/4	334.54	3/4	25.07	3/4		3/4		3/4	
7	2,205.27	7	1,827.44	7	1,450.00	7	1,073.95	7	696.13	7	327.37	7	21.11	7		7		7	
1/4	2,197.40	1/4	1,819.57	1/4	1,442.17	1/4	1,066.07	1/4	688.26	1/4	320.19	1/4	17.15	1/4		1/4		1/4	
1/2	2,189.53	1/2	1,811.70	1/2	1,434.34	1/2	1,058.20	1/2	680.39	1/2	313.02	1/2	13.18	1/2		1/2		1/2	
3/4	2,181.66	3/4	1,803.83	3/4	1,426.52	3/4	1,050.33	3/4	672.52	3/4	305.96	3/4		3/4		3/4		3/4	
8	2,173.79	8	1,795.96	8	1,418.69	8	1,042.46	8	664.65	8	298.89	8		8		8		8	
1/4	2,165.91	1/4	1,788.09	1/4	1,410.86	1/4	1,034.59	1/4	656.78	1/4	291.83	1/4		1/4		1/4		1/4	
1/2	2,158.04	1/2	1,780.22	1/2	1,403.04	1/2	1,026.72	1/2	648.91	1/2	284.76	1/2		1/2		1/2		1/2	
3/4	2,150.17	3/4	1,772.34	3/4	1,395.22	3/4	1,018.85	3/4	641.04	3/4	277.81	3/4		3/4		3/4		3/4	
9	2,142.30	9	1,764.47	9	1,387.39	9	1,010.98	9	633.16	9	270.85	9		9		9		9	
1/4	2,134.43	1/4	1,756.60	1/4	1,379.57	1/4	1,003.11	1/4	625.29	1/4	263.90	1/4		1/4		1/4		1/4	
1/2	2,126.56	1/2	1,748.73	1/2	1,371.75	1/2	995.23	1/2	617.42	1/2	256.94	1/2		1/2		1/2		1/2	
3/4	2,118.69	3/4	1,740.86	3/4	1,363.93	3/4	987.36	3/4	609.55	3/4	250.09	3/4		3/4		3/4		3/4	
10	2,110.81	10	1,732.99	10	1,356.11	10	979.49	10	601.68	10	243.25	10		10		10		10	
1/4	2,102.94	1/4	1,725.12	1/4	1,348.28	1/4	971.62	1/4	593.81	1/4	236.40	1/4		1/4		1/4		1/4	
1/2	2,095.07	1/2	1,717.24	1/2	1,340.46	1/2	963.75	1/2	585.94	1/2	229.56	1/2		1/2		1/2		1/2	
3/4	2,087.20	3/4	1,709.37	3/4	1,332.64	3/4	955.88	3/4	578.07	3/4	222.82	3/4		3/4		3/4		3/4	
11	2,079.33	11	1,701.50	11	1,324.82	11	948.01	11	570.20	11	216.08	11		11		11		11	
1/4	2,071.46	1/4	1,693.63	1/4	1,317.00	1/4	940.14	1/4	562.32	1/4	209.35	1/4		1/4		1/4		1/4	
1/2	2,063.59	1/2	1,685.76	1/2	1,309.17	1/2	932.27	1/2	554.45	1/2	202.61	1/2		1/2		1/2		1/2	
3/4	2,055.71	3/4	1,677.89	3/4	1,301.35	3/4	924.39	3/4	546.59	3/4	195.98	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/25/2014 CL  
CALCULATED: 11/26/2014 CL  
PRINTED: 11/26/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2014

PRECISION MEASUREMENT  
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