



BARGE "KIRBY 27019"

ULLAGE TRIM TABLE
FORMERLY "CTCO 358"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 237'-06"

July 2, 2019

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

<http://www.pmacorp.net>



BARGE "KIRBY 27019"

1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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
1/4	1,955.55	1/4	1,624.23	1/4	1,292.91	1/4	962.22	1/4	647.75	1/4	358.00	1/4	89.88	1/4		1/4		1/4			
1/2	1,948.65	1/2	1,617.33	1/2	1,286.01	1/2	955.41	1/2	641.43	1/2	352.18	1/2	84.52	1/2		1/2		1/2			
3/4	1,941.75	3/4	1,610.43	3/4	1,279.11	3/4	948.65	3/4	635.14	3/4	346.41	3/4	79.20	3/4		3/4		3/4			
1	1,934.85	1	1,603.53	1	1,272.21	1	941.89	1	628.86	1	340.63	1	73.88	1		1		1			
1/4	1,927.94	1/4	1,596.62	1/4	1,265.30	1/4	935.13	1/4	622.58	1/4	334.86	1/4	68.56	1/4		1/4		1/4			
1/2	1,921.04	1/2	1,589.72	1/2	1,258.40	1/2	928.37	1/2	616.30	1/2	329.08	1/2	63.25	1/2		1/2		1/2			
3/4	1,914.14	3/4	1,582.82	3/4	1,251.50	3/4	921.64	3/4	610.10	3/4	323.32	3/4	57.97	3/4		3/4		3/4			
2	1,907.24	2	1,575.92	2	1,244.60	2	914.92	2	603.89	2	317.56	2	52.69	2		2		2			
1/4	1,900.33	1/4	1,569.01	1/4	1,237.69	1/4	908.20	1/4	597.68	1/4	311.81	1/4	47.41	1/4		1/4		1/4			
1/2	1,893.43	1/2	1,562.11	1/2	1,230.79	1/2	901.48	1/2	591.47	1/2	306.05	1/2	42.14	1/2		1/2		1/2			
3/4	1,886.53	3/4	1,555.21	3/4	1,223.89	3/4	894.80	3/4	585.31	3/4	300.33	3/4	37.76	3/4		3/4		3/4			
3	1,879.63	3	1,548.31	3	1,216.99	3	888.11	3	579.15	3	294.61	3	33.39	3		3		3			
1/4	1,872.72	1/4	1,541.40	1/4	1,210.08	1/4	881.43	1/4	572.99	1/4	288.89	1/4	29.01	1/4		1/4		1/4			
1/2	1,865.82	1/2	1,534.50	1/2	1,203.18	1/2	874.75	1/2	566.83	1/2	283.17	1/2	24.64	1/2		1/2		1/2			
3/4	1,858.92	3/4	1,527.60	3/4	1,196.28	3/4	868.11	3/4	560.71	3/4	277.49	3/4	22.03	3/4		3/4		3/4			
4	1,852.02	4	1,520.70	4	1,189.38	4	861.47	4	554.59	4	271.81	4	19.42	4		4		4			
1/4	1,845.11	1/4	1,513.79	1/4	1,182.47	1/4	854.83	1/4	548.47	1/4	266.14	1/4	16.81	1/4		1/4		1/4			
1/2	1,838.21	1/2	1,506.89	1/2	1,175.57	1/2	848.18	1/2	542.35	1/2	260.46	1/2	14.21	1/2		1/2		1/2			
3/4	1,831.31	3/4	1,499.99	3/4	1,168.67	3/4	841.58	3/4	536.27	3/4	254.82	3/4		3/4		3/4		3/4			
5	1,824.41	5	1,493.09	5	1,161.77	5	834.98	5	530.19	5	249.18	5		5		5		5			
1/4	1,817.50	1/4	1,486.18	1/4	1,154.86	1/4	828.38	1/4	524.10	1/4	243.54	1/4		1/4		1/4		1/4			
1/2	1,810.60	1/2	1,479.28	1/2	1,147.96	1/2	821.78	1/2	518.02	1/2	237.90	1/2		1/2		1/2		1/2			
3/4	1,803.70	3/4	1,472.38	3/4	1,141.06	3/4	815.22	3/4	511.98	3/4	232.30	3/4		3/4		3/4		3/4			
6	1,796.80	6	1,465.48	6	1,134.16	6	808.65	6	505.94	6	226.71	6		6		6		6			
1/4	1,789.89	1/4	1,458.57	1/4	1,127.25	1/4	802.09	1/4	499.90	1/4	221.11	1/4		1/4		1/4		1/4			
1/2	1,782.99	1/2	1,451.67	1/2	1,120.35	1/2	795.53	1/2	493.86	1/2	215.51	1/2		1/2		1/2		1/2			
3/4	1,776.09	3/4	1,444.77	3/4	1,113.45	3/4	789.01	3/4	487.86	3/4	209.95	3/4		3/4		3/4		3/4			
7	1,769.19	7	1,437.87	7	1,106.55	7	782.49	7	481.86	7	204.39	7		7		7		7			
1/4	1,762.28	1/4	1,430.96	1/4	1,099.64	1/4	775.97	1/4	475.86	1/4	198.83	1/4		1/4		1/4		1/4			
1/2	1,755.38	1/2	1,424.06	1/2	1,092.74	1/2	769.45	1/2	469.87	1/2	193.28	1/2		1/2		1/2		1/2			
3/4	1,748.48	3/4	1,417.16	3/4	1,085.84	3/4	762.96	3/4	463.91	3/4	187.76	3/4		3/4		3/4		3/4			
8	1,741.58	8	1,410.26	8	1,078.94	8	756.48	8	457.95	8	182.24	8		8		8		8			
1/4	1,734.67	1/4	1,403.35	1/4	1,072.03	1/4	750.00	1/4	451.99	1/4	176.72	1/4		1/4		1/4		1/4			
1/2	1,727.77	1/2	1,396.45	1/2	1,065.13	1/2	743.52	1/2	446.03	1/2	171.20	1/2		1/2		1/2		1/2			
3/4	1,720.87	3/4	1,389.55	3/4	1,058.23	3/4	737.08	3/4	440.11	3/4	165.73	3/4		3/4		3/4		3/4			
9	1,713.97	9	1,382.65	9	1,051.33	9	730.64	9	434.19	9	160.25	9		9		9		9			
1/4	1,707.06	1/4	1,375.74	1/4	1,044.42	1/4	724.20	1/4	428.27	1/4	154.77	1/4		1/4		1/4		1/4			
1/2	1,700.16	1/2	1,368.84	1/2	1,037.52	1/2	717.76	1/2	422.35	1/2	149.29	1/2		1/2		1/2		1/2			
3/4	1,693.26	3/4	1,361.94	3/4	1,030.64	3/4	711.36	3/4	416.47	3/4	143.85	3/4		3/4		3/4		3/4			
10	1,686.36	10	1,355.04	10	1,023.76	10	704.95	10	410.59	10	138.42	10		10		10		10			
1/4	1,679.45	1/4	1,348.13	1/4	1,016.87	1/4	698.55	1/4	404.71	1/4	132.98	1/4		1/4		1/4		1/4			
1/2	1,672.55	1/2	1,341.23	1/2	1,009.99	1/2	692.15	1/2	398.83	1/2	127.54	1/2		1/2		1/2		1/2			
3/4	1,665.65	3/4	1,334.33	3/4	1,003.15	3/4	685.79	3/4	392.98	3/4	122.14	3/4		3/4		3/4		3/4			
11	1,658.75	11	1,327.43	11	996.31	11	679.43	11	387.14	11	116.74	11		11		11		11			
1/4	1,651.84	1/4	1,320.52	1/4	989.46	1/4	673.07	1/4	381.29	1/4	111.35	1/4		1/4		1/4		1/4			
1/2	1,644.94	1/2	1,313.62	1/2	982.62	1/2	666.71	1/2	375.44	1/2	105.95	1/2		1/2		1/2		1/2			
3/4	1,638.04	3/4	1,306.72	3/4	975.82	3/4	660.39	3/4	369.63	3/4	100.59	3/4		3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/16/2014 CL
RECALCULATED: 07/02/2019 SW
NAME CHANGE: 07/24/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "KIRBY 27019"

1 STBD
ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	
0		0		0		0		0		0		0		0		0		0		0	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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'-03" OFF CENTERLINE AND 44'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT & ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "KIRBY 27019"

1 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 16'-04 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	1,963.97	0	1,632.57	0	1,301.17	0	970.29	0	655.27	0	363.97	0	95.24	0		0		0	
1/4	1,957.07	1/4	1,625.66	1/4	1,294.26	1/4	963.48	1/4	648.95	1/4	358.13	1/4	89.88	1/4		1/4		1/4	
1/2	1,950.16	1/2	1,618.76	1/2	1,287.36	1/2	956.68	1/2	642.63	1/2	352.29	1/2	84.52	1/2		1/2		1/2	
3/4	1,943.26	3/4	1,611.86	3/4	1,280.45	3/4	949.92	3/4	636.34	3/4	346.50	3/4	79.21	3/4		3/4		3/4	
1	1,936.35	1	1,604.95	1	1,273.55	1	943.15	1	630.06	1	340.70	1	73.89	1		1		1	
1/4	1,929.45	1/4	1,598.05	1/4	1,266.65	1/4	936.39	1/4	623.78	1/4	334.90	1/4	68.57	1/4		1/4		1/4	
1/2	1,922.55	1/2	1,591.14	1/2	1,259.74	1/2	929.62	1/2	617.50	1/2	329.10	1/2	63.25	1/2		1/2		1/2	
3/4	1,915.64	3/4	1,584.24	3/4	1,252.84	3/4	922.90	3/4	611.27	3/4	323.34	3/4	57.98	3/4		3/4		3/4	
2	1,908.74	2	1,577.34	2	1,245.93	2	916.18	2	605.03	2	317.58	2	52.70	2		2		2	
1/4	1,901.83	1/4	1,570.43	1/4	1,239.03	1/4	909.45	1/4	598.80	1/4	311.82	1/4	47.42	1/4		1/4		1/4	
1/2	1,894.93	1/2	1,563.53	1/2	1,232.13	1/2	902.73	1/2	592.57	1/2	306.06	1/2	42.14	1/2		1/2		1/2	
3/4	1,888.02	3/4	1,556.62	3/4	1,225.22	3/4	896.05	3/4	586.38	3/4	300.34	3/4	37.77	3/4		3/4		3/4	
3	1,881.12	3	1,549.72	3	1,218.32	3	889.36	3	580.20	3	294.62	3	33.39	3		3		3	
1/4	1,874.22	1/4	1,542.81	1/4	1,211.41	1/4	882.68	1/4	574.01	1/4	288.90	1/4	29.02	1/4		1/4		1/4	
1/2	1,867.31	1/2	1,535.91	1/2	1,204.51	1/2	876.00	1/2	567.83	1/2	283.18	1/2	24.64	1/2		1/2		1/2	
3/4	1,860.41	3/4	1,529.01	3/4	1,197.60	3/4	869.35	3/4	561.68	3/4	277.50	3/4	22.04	3/4		3/4		3/4	
4	1,853.50	4	1,522.10	4	1,190.70	4	862.71	4	555.54	4	271.83	4	19.43	4		4		4	
1/4	1,846.60	1/4	1,515.20	1/4	1,183.80	1/4	856.07	1/4	549.39	1/4	266.15	1/4	16.82	1/4		1/4		1/4	
1/2	1,839.69	1/2	1,508.29	1/2	1,176.89	1/2	849.42	1/2	543.24	1/2	260.47	1/2	14.21	1/2		1/2		1/2	
3/4	1,832.79	3/4	1,501.39	3/4	1,169.99	3/4	842.82	3/4	537.14	3/4	254.83	3/4		3/4		3/4		3/4	
5	1,825.89	5	1,494.48	5	1,163.08	5	836.22	5	531.03	5	249.19	5		5		5		5	
1/4	1,818.98	1/4	1,487.58	1/4	1,156.18	1/4	829.62	1/4	524.93	1/4	243.55	1/4		1/4		1/4		1/4	
1/2	1,812.08	1/2	1,480.68	1/2	1,149.27	1/2	823.01	1/2	518.82	1/2	237.91	1/2		1/2		1/2		1/2	
3/4	1,805.17	3/4	1,473.77	3/4	1,142.37	3/4	816.45	3/4	512.76	3/4	232.31	3/4		3/4		3/4		3/4	
6	1,798.27	6	1,466.87	6	1,135.47	6	809.89	6	506.69	6	226.71	6		6		6		6	
1/4	1,791.37	1/4	1,459.96	1/4	1,128.56	1/4	803.32	1/4	500.63	1/4	221.12	1/4		1/4		1/4		1/4	
1/2	1,784.46	1/2	1,453.06	1/2	1,121.66	1/2	796.76	1/2	494.56	1/2	215.52	1/2		1/2		1/2		1/2	
3/4	1,777.56	3/4	1,446.16	3/4	1,114.75	3/4	790.24	3/4	488.54	3/4	209.96	3/4		3/4		3/4		3/4	
7	1,770.65	7	1,439.25	7	1,107.85	7	783.72	7	482.52	7	204.40	7		7		7		7	
1/4	1,763.75	1/4	1,432.35	1/4	1,100.95	1/4	777.19	1/4	476.49	1/4	198.84	1/4		1/4		1/4		1/4	
1/2	1,756.84	1/2	1,425.44	1/2	1,094.04	1/2	770.67	1/2	470.47	1/2	193.28	1/2		1/2		1/2		1/2	
3/4	1,749.94	3/4	1,418.54	3/4	1,087.14	3/4	764.19	3/4	464.48	3/4	187.76	3/4		3/4		3/4		3/4	
8	1,743.04	8	1,411.63	8	1,080.23	8	757.70	8	458.50	8	182.25	8		8		8		8	
1/4	1,736.13	1/4	1,404.73	1/4	1,073.33	1/4	751.22	1/4	452.52	1/4	176.73	1/4		1/4		1/4		1/4	
1/2	1,729.23	1/2	1,397.83	1/2	1,066.42	1/2	744.74	1/2	446.53	1/2	171.21	1/2		1/2		1/2		1/2	
3/4	1,722.32	3/4	1,390.92	3/4	1,059.52	3/4	738.30	3/4	440.59	3/4	165.73	3/4		3/4		3/4		3/4	
9	1,715.42	9	1,384.02	9	1,052.62	9	731.85	9	434.64	9	160.25	9		9		9		9	
1/4	1,708.52	1/4	1,377.11	1/4	1,045.71	1/4	725.41	1/4	428.70	1/4	154.78	1/4		1/4		1/4		1/4	
1/2	1,701.61	1/2	1,370.21	1/2	1,038.81	1/2	718.97	1/2	422.75	1/2	149.30	1/2		1/2		1/2		1/2	
3/4	1,694.71	3/4	1,363.31	3/4	1,031.92	3/4	712.57	3/4	416.85	3/4	143.86	3/4		3/4		3/4		3/4	
10	1,687.80	10	1,356.40	10	1,025.04	10	706.17	10	410.95	10	138.42	10		10		10		10	
1/4	1,680.90	1/4	1,349.50	1/4	1,018.15	1/4	699.76	1/4	405.04	1/4	132.98	1/4		1/4		1/4		1/4	
1/2	1,673.99	1/2	1,342.59	1/2	1,011.27	1/2	693.36	1/2	399.14	1/2	127.55	1/2		1/2		1/2		1/2	
3/4	1,667.09	3/4	1,335.69	3/4	1,004.43	3/4	687.00	3/4	393.27	3/4	122.15	3/4		3/4		3/4		3/4	
11	1,660.19	11	1,328.78	11	997.58	11	680.64	11	387.40	11	116.75	11		11		11		11	
1/4	1,653.28	1/4	1,321.88	1/4	990.74	1/4	674.28	1/4	381.52	1/4	111.35	1/4		1/4		1/4		1/4	
1/2	1,646.38	1/2	1,314.98	1/2	983.89	1/2	667.91	1/2	375.65	1/2	105.95	1/2		1/2		1/2		1/2	
3/4	1,639.47	3/4	1,308.07	3/4	977.09	3/4	661.59	3/4	369.81	3/4	100.60	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/16/2014 CL
RECALCULATED: 07/02/2019 SW
NAME CHANGE: 07/24/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

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



BARGE "KIRBY 27019"

2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,457.39	0	2,069.58	0	1,681.77	0	1,293.96	0	906.15	0	532.40	0	145.82	0		0		0	
1/4	2,449.31	1/4	2,061.50	1/4	1,673.69	1/4	1,285.88	1/4	898.07	1/4	524.62	1/4	137.74	1/4		1/4		1/4	
1/2	2,441.24	1/2	2,053.42	1/2	1,665.61	1/2	1,277.80	1/2	889.99	1/2	516.85	1/2	129.66	1/2		1/2		1/2	
3/4	2,433.16	3/4	2,045.34	3/4	1,657.53	3/4	1,269.72	3/4	882.06	3/4	508.92	3/4	121.58	3/4		3/4		3/4	
1	2,425.08	1	2,037.27	1	1,649.45	1	1,261.64	1	874.14	1	501.00	1	113.51	1		1		1	
1/4	2,417.00	1/4	2,029.19	1/4	1,641.37	1/4	1,253.56	1/4	866.21	1/4	493.07	1/4	105.43	1/4		1/4		1/4	
1/2	2,408.92	1/2	2,021.11	1/2	1,633.30	1/2	1,245.48	1/2	858.29	1/2	485.14	1/2	97.35	1/2		1/2		1/2	
3/4	2,400.84	3/4	2,013.03	3/4	1,625.22	3/4	1,237.40	3/4	850.52	3/4	477.06	3/4	89.27	3/4		3/4		3/4	
2	2,392.76	2	2,004.95	2	1,617.14	2	1,229.33	2	842.76	2	468.99	2	81.19	2		2		2	
1/4	2,384.68	1/4	1,996.87	1/4	1,609.06	1/4	1,221.25	1/4	834.99	1/4	460.91	1/4	73.11	1/4		1/4		1/4	
1/2	2,376.60	1/2	1,988.79	1/2	1,600.98	1/2	1,213.17	1/2	827.23	1/2	452.83	1/2	65.03	1/2		1/2		1/2	
3/4	2,368.52	3/4	1,980.71	3/4	1,592.90	3/4	1,205.09	3/4	819.47	3/4	444.75	3/4	57.96	3/4		3/4		3/4	
3	2,360.44	3	1,972.63	3	1,584.82	3	1,197.01	3	811.71	3	436.67	3	50.89	3		3		3	
1/4	2,352.36	1/4	1,964.55	1/4	1,576.74	1/4	1,188.93	1/4	803.95	1/4	428.59	1/4	43.82	1/4		1/4		1/4	
1/2	2,344.28	1/2	1,956.47	1/2	1,568.66	1/2	1,180.85	1/2	796.20	1/2	420.51	1/2	36.75	1/2		1/2		1/2	
3/4	2,336.20	3/4	1,948.39	3/4	1,560.58	3/4	1,172.77	3/4	788.44	3/4	412.43	3/4	31.70	3/4		3/4		3/4	
4	2,328.12	4	1,940.31	4	1,552.50	4	1,164.69	4	780.68	4	404.35	4	26.65	4		4		4	
1/4	2,320.04	1/4	1,932.23	1/4	1,544.42	1/4	1,156.61	1/4	772.93	1/4	396.27	1/4	21.60	1/4		1/4		1/4	
1/2	2,311.96	1/2	1,924.15	1/2	1,536.34	1/2	1,148.53	1/2	765.17	1/2	388.19	1/2	16.56	1/2		1/2		1/2	
3/4	2,303.89	3/4	1,916.07	3/4	1,528.26	3/4	1,140.45	3/4	757.41	3/4	380.12	3/4		3/4		3/4		3/4	
5	2,295.81	5	1,907.99	5	1,520.18	5	1,132.37	5	749.65	5	372.04	5		5		5		5	
1/4	2,287.73	1/4	1,899.92	1/4	1,512.10	1/4	1,124.29	1/4	741.90	1/4	363.96	1/4		1/4		1/4		1/4	
1/2	2,279.65	1/2	1,891.84	1/2	1,504.02	1/2	1,116.21	1/2	734.14	1/2	355.88	1/2		1/2		1/2		1/2	
3/4	2,271.57	3/4	1,883.76	3/4	1,495.95	3/4	1,108.13	3/4	726.38	3/4	347.80	3/4		3/4		3/4		3/4	
6	2,263.49	6	1,875.68	6	1,487.87	6	1,100.05	6	718.62	6	339.72	6		6		6		6	
1/4	2,255.41	1/4	1,867.60	1/4	1,479.79	1/4	1,091.98	1/4	710.87	1/4	331.64	1/4		1/4		1/4		1/4	
1/2	2,247.33	1/2	1,859.52	1/2	1,471.71	1/2	1,083.90	1/2	703.11	1/2	323.56	1/2		1/2		1/2		1/2	
3/4	2,239.25	3/4	1,851.44	3/4	1,463.63	3/4	1,075.82	3/4	695.35	3/4	315.48	3/4		3/4		3/4		3/4	
7	2,231.17	7	1,843.36	7	1,455.55	7	1,067.74	7	687.60	7	307.40	7		7		7		7	
1/4	2,223.09	1/4	1,835.28	1/4	1,447.47	1/4	1,059.66	1/4	679.84	1/4	299.32	1/4		1/4		1/4		1/4	
1/2	2,215.01	1/2	1,827.20	1/2	1,439.39	1/2	1,051.58	1/2	672.08	1/2	291.25	1/2		1/2		1/2		1/2	
3/4	2,206.93	3/4	1,819.12	3/4	1,431.31	3/4	1,043.50	3/4	664.33	3/4	283.17	3/4		3/4		3/4		3/4	
8	2,198.85	8	1,811.04	8	1,423.23	8	1,035.42	8	656.57	8	275.09	8		8		8		8	
1/4	2,190.77	1/4	1,802.96	1/4	1,415.15	1/4	1,027.34	1/4	648.81	1/4	267.01	1/4		1/4		1/4		1/4	
1/2	2,182.69	1/2	1,794.88	1/2	1,407.07	1/2	1,019.26	1/2	641.06	1/2	258.93	1/2		1/2		1/2		1/2	
3/4	2,174.61	3/4	1,786.80	3/4	1,398.99	3/4	1,011.18	3/4	633.30	3/4	250.85	3/4		3/4		3/4		3/4	
9	2,166.54	9	1,778.72	9	1,390.91	9	1,003.10	9	625.54	9	242.77	9		9		9		9	
1/4	2,158.46	1/4	1,770.64	1/4	1,382.83	1/4	995.02	1/4	617.79	1/4	234.69	1/4		1/4		1/4		1/4	
1/2	2,150.38	1/2	1,762.57	1/2	1,374.75	1/2	986.94	1/2	610.03	1/2	226.61	1/2		1/2		1/2		1/2	
3/4	2,142.30	3/4	1,754.49	3/4	1,366.67	3/4	978.86	3/4	602.27	3/4	218.53	3/4		3/4		3/4		3/4	
10	2,134.22	10	1,746.41	10	1,358.60	10	970.78	10	594.51	10	210.45	10		10		10		10	
1/4	2,126.14	1/4	1,738.33	1/4	1,350.52	1/4	962.70	1/4	586.76	1/4	202.38	1/4		1/4		1/4		1/4	
1/2	2,118.06	1/2	1,730.25	1/2	1,342.44	1/2	954.63	1/2	579.00	1/2	194.30	1/2		1/2		1/2		1/2	
3/4	2,109.98	3/4	1,722.17	3/4	1,334.36	3/4	946.55	3/4	571.24	3/4	186.22	3/4		3/4		3/4		3/4	
11	2,101.90	11	1,714.09	11	1,326.28	11	938.47	11	563.47	11	178.14	11		11		11		11	
1/4	2,093.82	1/4	1,706.01	1/4	1,318.20	1/4	930.39	1/4	555.71	1/4	170.06	1/4		1/4		1/4		1/4	
1/2	2,085.74	1/2	1,697.93	1/2	1,310.12	1/2	922.31	1/2	547.94	1/2	161.98	1/2		1/2		1/2		1/2	
3/4	2,077.66	3/4	1,689.85	3/4	1,302.04	3/4	914.23	3/4	540.17	3/4	153.90	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/16/2014 CL
RECALCULATED: 07/02/2019 SW
NAME CHANGE: 07/24/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

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



BARGE "KIRBY 27019"

2 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	2,472.93	0	2,084.99	0	1,697.05	0	1,309.10	0	921.16	0	533.81	0	145.88	0		0		0	
1/4	2,464.85	1/4	2,076.90	1/4	1,688.96	1/4	1,301.02	1/4	913.08	1/4	525.73	1/4	137.80	1/4		1/4		1/4	
1/2	2,456.76	1/2	2,068.82	1/2	1,680.88	1/2	1,292.94	1/2	905.00	1/2	517.65	1/2	129.72	1/2		1/2		1/2	
3/4	2,448.68	3/4	2,060.74	3/4	1,672.80	3/4	1,284.86	3/4	896.92	3/4	509.56	3/4	121.63	3/4		3/4		3/4	
1	2,440.60	1	2,052.66	1	1,664.72	1	1,276.78	1	888.84	1	501.48	1	113.55	1		1		1	
1/4	2,432.52	1/4	2,044.58	1/4	1,656.64	1/4	1,268.69	1/4	880.75	1/4	493.40	1/4	105.47	1/4		1/4		1/4	
1/2	2,424.43	1/2	2,036.49	1/2	1,648.55	1/2	1,260.61	1/2	872.67	1/2	485.32	1/2	97.39	1/2		1/2		1/2	
3/4	2,416.35	3/4	2,028.41	3/4	1,640.47	3/4	1,252.53	3/4	864.60	3/4	477.24	3/4	89.31	3/4		3/4		3/4	
2	2,408.27	2	2,020.33	2	1,632.39	2	1,244.45	2	856.53	2	469.16	2	81.22	2		2		2	
1/4	2,400.19	1/4	2,012.25	1/4	1,624.31	1/4	1,236.37	1/4	848.45	1/4	461.07	1/4	73.14	1/4		1/4		1/4	
1/2	2,392.11	1/2	2,004.17	1/2	1,616.22	1/2	1,228.28	1/2	840.38	1/2	452.99	1/2	65.06	1/2		1/2		1/2	
3/4	2,384.02	3/4	1,996.08	3/4	1,608.14	3/4	1,220.20	3/4	832.31	3/4	444.91	3/4	57.99	3/4		3/4		3/4	
3	2,375.94	3	1,988.00	3	1,600.06	3	1,212.12	3	824.25	3	436.83	3	50.92	3		3		3	
1/4	2,367.86	1/4	1,979.92	1/4	1,591.98	1/4	1,204.04	1/4	816.18	1/4	428.75	1/4	43.84	1/4		1/4		1/4	
1/2	2,359.78	1/2	1,971.84	1/2	1,583.90	1/2	1,195.96	1/2	808.11	1/2	420.66	1/2	36.77	1/2		1/2		1/2	
3/4	2,351.70	3/4	1,963.76	3/4	1,575.81	3/4	1,187.87	3/4	800.05	3/4	412.58	3/4	31.72	3/4		3/4		3/4	
4	2,343.61	4	1,955.67	4	1,567.73	4	1,179.79	4	791.98	4	404.50	4	26.67	4		4		4	
1/4	2,335.53	1/4	1,947.59	1/4	1,559.65	1/4	1,171.71	1/4	783.92	1/4	396.42	1/4	21.62	1/4		1/4		1/4	
1/2	2,327.45	1/2	1,939.51	1/2	1,551.57	1/2	1,163.63	1/2	775.85	1/2	388.34	1/2	16.56	1/2		1/2		1/2	
3/4	2,319.37	3/4	1,931.43	3/4	1,543.49	3/4	1,155.55	3/4	767.78	3/4	380.25	3/4		3/4		3/4		3/4	
5	2,311.29	5	1,923.34	5	1,535.40	5	1,147.46	5	759.72	5	372.17	5		5		5		5	
1/4	2,303.20	1/4	1,915.26	1/4	1,527.32	1/4	1,139.38	1/4	751.65	1/4	364.09	1/4		1/4		1/4		1/4	
1/2	2,295.12	1/2	1,907.18	1/2	1,519.24	1/2	1,131.30	1/2	743.58	1/2	356.01	1/2		1/2		1/2		1/2	
3/4	2,287.04	3/4	1,899.10	3/4	1,511.16	3/4	1,123.22	3/4	735.52	3/4	347.93	3/4		3/4		3/4		3/4	
6	2,278.96	6	1,891.02	6	1,503.08	6	1,115.13	6	727.45	6	339.84	6		6		6		6	
1/4	2,270.87	1/4	1,882.93	1/4	1,494.99	1/4	1,107.05	1/4	719.38	1/4	331.76	1/4		1/4		1/4		1/4	
1/2	2,262.79	1/2	1,874.85	1/2	1,486.91	1/2	1,098.97	1/2	711.32	1/2	323.68	1/2		1/2		1/2		1/2	
3/4	2,254.71	3/4	1,866.77	3/4	1,478.83	3/4	1,090.89	3/4	703.25	3/4	315.60	3/4		3/4		3/4		3/4	
7	2,246.63	7	1,858.69	7	1,470.75	7	1,082.81	7	695.19	7	307.52	7		7		7		7	
1/4	2,238.55	1/4	1,850.61	1/4	1,462.66	1/4	1,074.72	1/4	687.12	1/4	299.44	1/4		1/4		1/4		1/4	
1/2	2,230.46	1/2	1,842.52	1/2	1,454.58	1/2	1,066.64	1/2	679.06	1/2	291.35	1/2		1/2		1/2		1/2	
3/4	2,222.38	3/4	1,834.44	3/4	1,446.50	3/4	1,058.56	3/4	670.99	3/4	283.27	3/4		3/4		3/4		3/4	
8	2,214.30	8	1,826.36	8	1,438.42	8	1,050.48	8	662.93	8	275.19	8		8		8		8	
1/4	2,206.22	1/4	1,818.28	1/4	1,430.34	1/4	1,042.40	1/4	654.86	1/4	267.11	1/4		1/4		1/4		1/4	
1/2	2,198.14	1/2	1,810.20	1/2	1,422.25	1/2	1,034.31	1/2	646.80	1/2	259.03	1/2		1/2		1/2		1/2	
3/4	2,190.05	3/4	1,802.11	3/4	1,414.17	3/4	1,026.23	3/4	638.73	3/4	250.94	3/4		3/4		3/4		3/4	
9	2,181.97	9	1,794.03	9	1,406.09	9	1,018.15	9	630.66	9	242.86	9		9		9		9	
1/4	2,173.89	1/4	1,785.95	1/4	1,398.01	1/4	1,010.07	1/4	622.60	1/4	234.78	1/4		1/4		1/4		1/4	
1/2	2,165.81	1/2	1,777.87	1/2	1,389.93	1/2	1,001.99	1/2	614.53	1/2	226.70	1/2		1/2		1/2		1/2	
3/4	2,157.73	3/4	1,769.78	3/4	1,381.84	3/4	993.90	3/4	606.46	3/4	218.62	3/4		3/4		3/4		3/4	
10	2,149.64	10	1,761.70	10	1,373.76	10	985.82	10	598.40	10	210.53	10		10		10		10	
1/4	2,141.56	1/4	1,753.62	1/4	1,365.68	1/4	977.74	1/4	590.33	1/4	202.45	1/4		1/4		1/4		1/4	
1/2	2,133.48	1/2	1,745.54	1/2	1,357.60	1/2	969.66	1/2	582.26	1/2	194.37	1/2		1/2		1/2		1/2	
3/4	2,125.40	3/4	1,737.46	3/4	1,349.52	3/4	961.57	3/4	574.19	3/4	186.29	3/4		3/4		3/4		3/4	
11	2,117.31	11	1,729.37	11	1,341.43	11	953.49	11	566.12	11	178.21	11		11		11		11	
1/4	2,109.23	1/4	1,721.29	1/4	1,333.35	1/4	945.41	1/4	558.05	1/4	170.13	1/4		1/4		1/4		1/4	
1/2	2,101.15	1/2	1,713.21	1/2	1,325.27	1/2	937.33	1/2	549.97	1/2	162.04	1/2		1/2		1/2		1/2	
3/4	2,093.07	3/4	1,705.13	3/4	1,317.19	3/4	929.25	3/4	541.89	3/4	153.96	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/16/2014 CL
RECALCULATED: 07/02/2019 SW
NAME CHANGE: 07/24/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

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



BARGE "KIRBY 27019"

3 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 16'-05"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,300.19	0	1,939.37	0	1,579.50	0	1,219.00	0	858.34	0	509.96	0	150.78	0		0		0	
1/4	2,292.67	1/4	1,931.85	1/4	1,572.01	1/4	1,211.49	1/4	850.83	1/4	502.72	1/4	143.26	1/4	1/4	1/4		1/4	
1/2	2,285.15	1/2	1,924.33	1/2	1,564.51	1/2	1,203.98	1/2	843.31	1/2	495.49	1/2	135.74	1/2	1/2	1/2		1/2	
3/4	2,277.64	3/4	1,916.81	3/4	1,557.02	3/4	1,196.46	3/4	835.80	3/4	488.26	3/4	128.22	3/4	3/4	3/4		3/4	
1	2,270.12	1	1,909.30	1	1,549.53	1	1,188.95	1	828.29	1	481.03	1	120.71	1	1	1		1	
1/4	2,262.60	1/4	1,901.78	1/4	1,542.03	1/4	1,181.43	1/4	820.91	1/4	473.66	1/4	113.19	1/4	1/4	1/4		1/4	
1/2	2,255.08	1/2	1,894.26	1/2	1,534.54	1/2	1,173.92	1/2	813.53	1/2	466.29	1/2	105.67	1/2	1/2	1/2		1/2	
3/4	2,247.57	3/4	1,886.75	3/4	1,527.05	3/4	1,166.41	3/4	806.15	3/4	458.92	3/4	98.15	3/4	3/4	3/4		3/4	
2	2,240.05	2	1,879.23	2	1,519.56	2	1,158.89	2	798.77	2	451.55	2	90.63	2	2	2		2	
1/4	2,232.53	1/4	1,871.74	1/4	1,512.04	1/4	1,151.38	1/4	791.54	1/4	444.03	1/4	83.11	1/4	1/4	1/4		1/4	
1/2	2,225.02	1/2	1,864.24	1/2	1,504.53	1/2	1,143.87	1/2	784.30	1/2	436.51	1/2	75.59	1/2	1/2	1/2		1/2	
3/4	2,217.50	3/4	1,856.75	3/4	1,497.01	3/4	1,136.35	3/4	777.07	3/4	428.99	3/4	68.07	3/4	3/4	3/4		3/4	
3	2,209.98	3	1,849.26	3	1,489.50	3	1,128.84	3	769.83	3	421.47	3	60.55	3	3	3		3	
1/4	2,202.46	1/4	1,841.76	1/4	1,481.99	1/4	1,121.32	1/4	762.60	1/4	413.95	1/4	53.97	1/4	1/4	1/4		1/4	
1/2	2,194.95	1/2	1,834.27	1/2	1,474.47	1/2	1,113.81	1/2	755.37	1/2	406.44	1/2	47.39	1/2	1/2	1/2		1/2	
3/4	2,187.43	3/4	1,826.78	3/4	1,466.96	3/4	1,106.30	3/4	748.15	3/4	398.92	3/4	40.81	3/4	3/4	3/4		3/4	
4	2,179.91	4	1,819.28	4	1,459.44	4	1,098.78	4	740.92	4	391.40	4	34.23	4	4	4		4	
1/4	2,172.40	1/4	1,811.79	1/4	1,451.93	1/4	1,091.27	1/4	733.70	1/4	383.88	1/4	29.53	1/4	1/4	1/4		1/4	
1/2	2,164.88	1/2	1,804.30	1/2	1,444.42	1/2	1,083.75	1/2	726.48	1/2	376.36	1/2	24.83	1/2	1/2	1/2		1/2	
3/4	2,157.36	3/4	1,796.80	3/4	1,436.90	3/4	1,076.24	3/4	719.27	3/4	368.84	3/4	20.13	3/4	3/4	3/4		3/4	
5	2,149.84	5	1,789.31	5	1,429.39	5	1,068.73	5	712.05	5	361.32	5	15.44	5	5	5		5	
1/4	2,142.33	1/4	1,781.82	1/4	1,421.88	1/4	1,061.21	1/4	704.83	1/4	353.80	1/4		1/4	1/4	1/4		1/4	
1/2	2,134.81	1/2	1,774.32	1/2	1,414.36	1/2	1,053.70	1/2	697.62	1/2	346.28	1/2		1/2	1/2	1/2		1/2	
3/4	2,127.29	3/4	1,766.83	3/4	1,406.85	3/4	1,046.19	3/4	690.40	3/4	338.76	3/4		3/4	3/4	3/4		3/4	
6	2,119.78	6	1,759.34	6	1,399.33	6	1,038.67	6	683.18	6	331.24	6		6	6	6		6	
1/4	2,112.26	1/4	1,751.84	1/4	1,391.82	1/4	1,031.16	1/4	675.96	1/4	323.72	1/4		1/4	1/4	1/4		1/4	
1/2	2,104.74	1/2	1,744.35	1/2	1,384.31	1/2	1,023.64	1/2	668.75	1/2	316.20	1/2		1/2	1/2	1/2		1/2	
3/4	2,097.22	3/4	1,736.86	3/4	1,376.79	3/4	1,016.13	3/4	661.53	3/4	308.69	3/4		3/4	3/4	3/4		3/4	
7	2,089.71	7	1,729.36	7	1,369.28	7	1,008.62	7	654.31	7	301.17	7		7	7	7		7	
1/4	2,082.19	1/4	1,721.87	1/4	1,361.77	1/4	1,001.10	1/4	647.10	1/4	293.65	1/4		1/4	1/4	1/4		1/4	
1/2	2,074.67	1/2	1,714.38	1/2	1,354.25	1/2	993.59	1/2	639.88	1/2	286.13	1/2		1/2	1/2	1/2		1/2	
3/4	2,067.16	3/4	1,706.89	3/4	1,346.74	3/4	986.08	3/4	632.67	3/4	278.61	3/4		3/4	3/4	3/4		3/4	
8	2,059.64	8	1,699.39	8	1,339.22	8	978.56	8	625.45	8	271.09	8		8	8	8		8	
1/4	2,052.12	1/4	1,691.90	1/4	1,331.71	1/4	971.05	1/4	618.23	1/4	263.57	1/4		1/4	1/4	1/4		1/4	
1/2	2,044.60	1/2	1,684.41	1/2	1,324.20	1/2	963.53	1/2	611.02	1/2	256.05	1/2		1/2	1/2	1/2		1/2	
3/4	2,037.09	3/4	1,676.91	3/4	1,316.68	3/4	956.02	3/4	603.80	3/4	248.53	3/4		3/4	3/4	3/4		3/4	
9	2,029.57	9	1,669.42	9	1,309.17	9	948.51	9	596.59	9	241.01	9		9	9	9		9	
1/4	2,022.05	1/4	1,661.93	1/4	1,301.65	1/4	940.99	1/4	589.37	1/4	233.49	1/4		1/4	1/4	1/4		1/4	
1/2	2,014.54	1/2	1,654.43	1/2	1,294.14	1/2	933.48	1/2	582.15	1/2	225.97	1/2		1/2	1/2	1/2		1/2	
3/4	2,007.02	3/4	1,646.94	3/4	1,286.63	3/4	925.96	3/4	574.93	3/4	218.46	3/4		3/4	3/4	3/4		3/4	
10	1,999.50	10	1,639.45	10	1,279.11	10	918.45	10	567.72	10	210.94	10		10	10	10		10	
1/4	1,991.99	1/4	1,631.95	1/4	1,271.60	1/4	910.94	1/4	560.50	1/4	203.42	1/4		1/4	1/4	1/4		1/4	
1/2	1,984.47	1/2	1,624.46	1/2	1,264.09	1/2	903.42	1/2	553.28	1/2	195.90	1/2		1/2	1/2	1/2		1/2	
3/4	1,976.95	3/4	1,616.97	3/4	1,256.57	3/4	895.91	3/4	546.07	3/4	188.38	3/4		3/4	3/4	3/4		3/4	
11	1,969.43	11	1,609.47	11	1,249.06	11	888.40	11	538.85	11	180.86	11		11	11	11		11	
1/4	1,961.92	1/4	1,601.98	1/4	1,241.54	1/4	880.88	1/4	531.63	1/4	173.34	1/4		1/4	1/4	1/4		1/4	
1/2	1,954.40	1/2	1,594.49	1/2	1,234.03	1/2	873.37	1/2	524.40	1/2	165.82	1/2		1/2	1/2	1/2		1/2	
3/4	1,946.88	3/4	1,586.99	3/4	1,226.52	3/4	865.85	3/4	517.18	3/4	158.30	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/16/2014 CL
RECALCULATED: 07/02/2019 SW
NAME CHANGE: 07/24/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

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



BARGE "KIRBY 27019"

3 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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
		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
0							4,283.15												
1/4							4,277.61												
1/2							4,272.07												
3/4							4,268.11												
1	1	1	1	1	1	1	4,062.14	1	4,062.98	1	3,839.81	1	3,594.68	1	3,328.94	1	2,970.71	1	2,610.59
1/4							4,260.18												
1/2							4,256.21												
3/4							4,252.21												
2	2	2	2	2	2	2	4,248.22	2	4,045.23	2	3,820.23	2	3,573.25	2	3,300.87	2	2,940.70	2	2,580.58
1/4							4,244.22												
1/2							4,240.22												
3/4							4,236.18												
3	3	3	3	3	3	3	4,232.13	3	4,027.32	3	3,800.49	3	3,551.66	3	3,270.85	3	2,910.69	3	2,550.57
1/4							4,228.09												
1/2							4,224.04												
3/4							4,219.97												
4	4	4	4	4	4	4	4,215.89	4	4,009.26	4	3,780.61	4	3,529.95	4	3,240.82	4	2,880.68	4	2,520.59
1/4							4,211.81												
1/2							4,207.74												
3/4							4,203.63												
5	5	5	5	5	5	5	4,199.52	5	3,991.03	5	3,760.56	5	3,508.07	5	3,210.80	5	2,850.67	5	2,490.63
1/4							4,195.41												
1/2							4,191.30												
3/4							4,187.15												
6	6	6	6	6	6	6	4,182.99	6	3,972.65	6	3,740.36	6	3,486.05	6	3,180.78	6	2,820.66	6	2,460.68
1/4							4,178.84												
1/2							4,409.02												
3/4							4,402.49												
7	7	7	7	7	7	7	4,395.96	7	4,166.31	7	3,954.14	7	3,719.99	7	3,463.91	7	3,150.76	7	2,790.65
1/4							4,389.43												
1/2							4,382.90												
3/4							4,377.36												
8	8	8	8	8	8	8	4,371.82	8	4,149.47	8	3,935.48	8	3,699.48	8	3,441.75	8	3,120.75	8	2,760.64
1/4							4,366.28												
1/2							4,360.74												
3/4							4,355.20												
9	9	9	9	9	9	9	4,349.65	9	4,132.48	9	3,916.66	9	3,678.83	9	3,419.58	9	3,090.74	9	2,730.63
1/4							4,344.11												
1/2							4,338.57												
3/4							4,333.03												
10	10	10	10	10	10	10	4,327.49	10	4,115.32	10	3,897.68	10	3,658.03	10	3,397.41	10	3,060.73	10	2,700.62
1/4							4,321.94												
1/2							4,316.40												
3/4							4,310.86												
11	11	11	11	11	11	11	4,305.32	11	4,098.01	11	3,878.55	11	3,637.07	11	3,375.25	11	3,030.72	11	2,670.61
1/4							4,299.78												
1/2							4,294.24												
3/4							4,288.69												

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'-03" OFF CENTERLINE AND 45'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT & ANALYSIS, INC.

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BARGE "KIRBY 27019"

3 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	2,280.92	0	1,920.65	0	1,562.10	0	1,202.87	0	842.61	0	494.00	0	134.76	0		0		0	
1/4	2,273.41	1/4	1,913.15	1/4	1,554.65	1/4	1,195.36	1/4	835.10	1/4	486.75	1/4	127.26	1/4		1/4		1/4	
1/2	2,265.91	1/2	1,905.64	1/2	1,547.21	1/2	1,187.86	1/2	827.60	1/2	479.50	1/2	119.75	1/2		1/2		1/2	
3/4	2,258.40	3/4	1,898.14	3/4	1,539.76	3/4	1,180.35	3/4	820.22	3/4	472.12	3/4	112.25	3/4		3/4		3/4	
1	2,250.90	1	1,890.63	1	1,532.31	1	1,172.85	1	812.84	1	464.74	1	104.74	1		1		1	
1/4	2,243.39	1/4	1,883.13	1/4	1,524.86	1/4	1,165.34	1/4	805.46	1/4	457.36	1/4	97.24	1/4		1/4		1/4	
1/2	2,235.88	1/2	1,875.62	1/2	1,517.41	1/2	1,157.84	1/2	798.08	1/2	449.98	1/2	89.73	1/2		1/2		1/2	
3/4	2,228.38	3/4	1,868.11	3/4	1,509.96	3/4	1,150.33	3/4	790.83	3/4	442.48	3/4	82.23	3/4		3/4		3/4	
2	2,220.87	2	1,860.61	2	1,502.51	2	1,142.83	2	783.59	2	434.97	2	74.72	2		2		2	
1/4	2,213.37	1/4	1,853.10	1/4	1,495.07	1/4	1,135.32	1/4	776.34	1/4	427.46	1/4	67.21	1/4		1/4		1/4	
1/2	2,205.86	1/2	1,845.60	1/2	1,487.62	1/2	1,127.81	1/2	769.10	1/2	419.96	1/2	59.71	1/2		1/2		1/2	
3/4	2,198.36	3/4	1,838.09	3/4	1,480.17	3/4	1,120.31	3/4	761.86	3/4	412.45	3/4	53.14	3/4		3/4		3/4	
3	2,190.85	3	1,830.59	3	1,472.72	3	1,112.80	3	754.62	3	404.95	3	46.58	3		3		3	
1/4	2,183.35	1/4	1,823.08	1/4	1,465.27	1/4	1,105.30	1/4	747.38	1/4	397.44	1/4	40.01	1/4		1/4		1/4	
1/2	2,175.84	1/2	1,815.58	1/2	1,457.82	1/2	1,097.79	1/2	740.15	1/2	389.94	1/2	33.44	1/2		1/2		1/2	
3/4	2,168.33	3/4	1,808.07	3/4	1,450.38	3/4	1,090.29	3/4	732.91	3/4	382.43	3/4	28.74	3/4		3/4		3/4	
4	2,160.83	4	1,800.57	4	1,442.93	4	1,082.78	4	725.67	4	374.93	4	24.04	4		4		4	
1/4	2,153.32	1/4	1,793.06	1/4	1,435.48	1/4	1,075.28	1/4	718.43	1/4	367.42	1/4	19.35	1/4		1/4		1/4	
1/2	2,145.82	1/2	1,785.55	1/2	1,428.03	1/2	1,067.77	1/2	711.19	1/2	359.92	1/2	15.45	1/2		1/2		1/2	
3/4	2,138.31	3/4	1,778.11	3/4	1,420.53	3/4	1,060.27	3/4	703.96	3/4	352.41	3/4		3/4		3/4		3/4	
5	2,130.81	5	1,770.66	5	1,413.02	5	1,052.76	5	696.72	5	344.91	5		5		5		5	
1/4	2,123.30	1/4	1,763.21	1/4	1,405.51	1/4	1,045.26	1/4	689.48	1/4	337.40	1/4		1/4		1/4		1/4	
1/2	2,115.80	1/2	1,755.76	1/2	1,398.01	1/2	1,037.75	1/2	682.24	1/2	329.90	1/2		1/2		1/2		1/2	
3/4	2,108.29	3/4	1,748.31	3/4	1,390.50	3/4	1,030.24	3/4	675.00	3/4	322.39	3/4		3/4		3/4		3/4	
6	2,100.79	6	1,740.86	6	1,383.00	6	1,022.74	6	667.77	6	314.89	6		6		6		6	
1/4	2,093.28	1/4	1,733.42	1/4	1,375.49	1/4	1,015.23	1/4	660.53	1/4	307.38	1/4		1/4		1/4		1/4	
1/2	2,085.77	1/2	1,725.97	1/2	1,367.99	1/2	1,007.73	1/2	653.29	1/2	299.88	1/2		1/2		1/2		1/2	
3/4	2,078.27	3/4	1,718.52	3/4	1,360.48	3/4	1,000.22	3/4	646.05	3/4	292.37	3/4		3/4		3/4		3/4	
7	2,070.76	7	1,711.07	7	1,352.98	7	992.72	7	638.82	7	284.87	7		7		7		7	
1/4	2,063.26	1/4	1,703.62	1/4	1,345.47	1/4	985.21	1/4	631.58	1/4	277.36	1/4		1/4		1/4		1/4	
1/2	2,055.75	1/2	1,696.17	1/2	1,337.97	1/2	977.71	1/2	624.34	1/2	269.86	1/2		1/2		1/2		1/2	
3/4	2,048.25	3/4	1,688.72	3/4	1,330.46	3/4	970.20	3/4	617.11	3/4	262.35	3/4		3/4		3/4		3/4	
8	2,040.74	8	1,681.28	8	1,322.96	8	962.70	8	609.87	8	254.85	8		8		8		8	
1/4	2,033.24	1/4	1,673.83	1/4	1,315.45	1/4	955.19	1/4	602.63	1/4	247.34	1/4		1/4		1/4		1/4	
1/2	2,025.73	1/2	1,666.38	1/2	1,307.94	1/2	947.69	1/2	595.39	1/2	239.83	1/2		1/2		1/2		1/2	
3/4	2,018.22	3/4	1,658.93	3/4	1,300.44	3/4	940.18	3/4	588.16	3/4	232.33	3/4		3/4		3/4		3/4	
9	2,010.72	9	1,651.48	9	1,292.93	9	932.67	9	580.92	9	224.82	9		9		9		9	
1/4	2,003.21	1/4	1,644.03	1/4	1,285.43	1/4	925.17	1/4	573.68	1/4	217.32	1/4		1/4		1/4		1/4	
1/2	1,995.71	1/2	1,636.59	1/2	1,277.92	1/2	917.66	1/2	566.44	1/2	209.81	1/2		1/2		1/2		1/2	
3/4	1,988.20	3/4	1,629.14	3/4	1,270.42	3/4	910.16	3/4	559.20	3/4	202.31	3/4		3/4		3/4		3/4	
10	1,980.70	10	1,621.69	10	1,262.91	10	902.65	10	551.97	10	194.80	10		10		10		10	
1/4	1,973.19	1/4	1,614.24	1/4	1,255.41	1/4	895.15	1/4	544.73	1/4	187.30	1/4		1/4		1/4		1/4	
1/2	1,965.69	1/2	1,606.79	1/2	1,247.90	1/2	887.64	1/2	537.49	1/2	179.79	1/2		1/2		1/2		1/2	
3/4	1,958.18	3/4	1,599.34	3/4	1,240.40	3/4	880.14	3/4	530.24	3/4	172.29	3/4		3/4		3/4		3/4	
11	1,950.68	11	1,591.90	11	1,232.89	11	872.63	11	523.00	11	164.78	11		11		11		11	
1/4	1,943.17	1/4	1,584.45	1/4	1,225.39	1/4	865.13	1/4	515.76	1/4	157.28	1/4		1/4		1/4		1/4	
1/2	1,935.66	1/2	1,577.00	1/2	1,217.88	1/2	857.62	1/2	508.51	1/2	149.77	1/2		1/2		1/2		1/2	
3/4	1,928.16	3/4	1,569.55	3/4	1,210.37	3/4	850.12	3/4	501.26	3/4	142.27	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/16/2014 CL
RECALCULATED: 07/02/2019 SW
NAME CHANGE: 07/24/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

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