



BARGE "LACB 117"

ULLAGE (HERMETIC)
FORMERLY "KIRBY 29245"

	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	- 02-1/8	02-1/8	- 04-1/4	04-1/4	- 06-3/8	06-3/8	- 08-1/2	08-1/2	- 10-5/8	10-5/8	- 12-3/4	12-3/4
1 STBD	- 02-1/8	02-1/8	- 04-1/4	04-1/4	- 06-3/8	06-3/8	- 08-1/2	08-1/2	- 10-5/8	10-5/8	- 12-3/4	12-3/4
2 PORT	- 02-1/8	02-1/8	- 04-1/4	04-1/4	- 06-3/8	06-3/8	- 08-1/2	08-1/2	- 10-5/8	10-5/8	- 12-3/4	12-3/4
2 STBD	- 02-1/8	02-1/8	- 04-1/4	04-1/4	- 06-3/8	06-3/8	- 08-1/2	08-1/2	- 10-5/8	10-5/8	- 12-3/4	12-3/4
3 PORT	02-1/8	- 02-1/8	04-1/4	- 04-1/4	06-3/8	- 06-3/8	08-1/2	- 08-1/2	10-5/8	- 10-5/8	12-3/4	- 12-3/4
3 STBD	02-1/8	- 02-1/8	04-1/4	- 04-1/4	06-3/8	- 06-3/8	08-1/2	- 08-1/2	10-5/8	- 10-5/8	12-5/8	- 12-5/8

(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 04-1/4"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-04 1/4"

LENGTH BETWEEN DRAFT MARKS: 237'-09"

August 24, 2023

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

<http://www.pmacorp.net>



BARGE "LACB - 117"

1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 29245"

GAUGE HEIGHT 18'-10 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	4,850.43	0	4,494.46	0	4,136.87	0	3,778.77	0	3,420.66
1/4		1/4		1/4		1/4		1/4		1/4	4,843.03	1/4	4,487.03	1/4	4,129.41	1/4	3,771.31	1/4	3,413.20
1/2		1/2		1/2		1/2		1/2		1/2	4,835.62	1/2	4,479.59	1/2	4,121.95	1/2	3,763.85	1/2	3,405.74
3/4		3/4		3/4		3/4		3/4		3/4	4,828.22	3/4	4,472.15	3/4	4,114.49	3/4	3,756.39	3/4	3,398.28
1		1		1		1		1		1	4,820.82	1	4,464.71	1	4,107.03	1	3,748.93	1	3,390.82
1/4		1/4		1/4		1/4		1/4		1/4	4,813.42	1/4	4,457.27	1/4	4,099.57	1/4	3,741.47	1/4	3,383.36
1/2		1/2		1/2		1/2		1/2		1/2	4,806.02	1/2	4,449.83	1/2	4,092.11	1/2	3,734.01	1/2	3,375.90
3/4		3/4		3/4		3/4		3/4		3/4	4,798.62	3/4	4,442.39	3/4	4,084.65	3/4	3,726.55	3/4	3,368.44
2		2		2		2		2		2	4,791.22	2	4,434.95	2	4,077.19	2	3,719.08	2	3,360.98
1/4		1/4		1/4		1/4		1/4		1/4	4,783.82	1/4	4,427.52	1/4	4,069.73	1/4	3,711.62	1/4	3,353.52
1/2		1/2		1/2		1/2		1/2	5,054.44	1/2	4,776.42	1/2	4,420.08	1/2	4,062.27	1/2	3,704.16	1/2	3,346.06
3/4		3/4		3/4		3/4		3/4	5,052.90	3/4	4,769.02	3/4	4,412.64	3/4	4,054.81	3/4	3,696.70	3/4	3,338.60
3		3		3		3		3	5,051.36	3	4,761.62	3	4,405.20	3	4,047.35	3	3,689.24	3	3,331.14
1/4		1/4		1/4		1/4		1/4	5,049.83	1/4	4,754.23	1/4	4,397.76	1/4	4,039.89	1/4	3,681.78	1/4	3,323.68
1/2		1/2		1/2		1/2		1/2	5,048.29	1/2	4,746.83	1/2	4,390.32	1/2	4,032.43	1/2	3,674.32	1/2	3,316.22
3/4		3/4		3/4		3/4		3/4	5,045.68	3/4	4,739.43	3/4	4,382.88	3/4	4,024.97	3/4	3,666.86	3/4	3,308.76
4		4		4		4		4	5,043.08	4	4,732.03	4	4,375.44	4	4,017.50	4	3,659.40	4	3,301.30
1/4		1/4		1/4		1/4		1/4	5,040.48	1/4	4,724.63	1/4	4,368.01	1/4	4,010.04	1/4	3,651.94	1/4	3,293.84
1/2		1/2		1/2		1/2		1/2	5,037.87	1/2	4,717.23	1/2	4,360.57	1/2	4,002.58	1/2	3,644.48	1/2	3,286.38
3/4		3/4		3/4		3/4		3/4	5,034.20	3/4	4,709.83	3/4	4,353.13	3/4	3,995.12	3/4	3,637.02	3/4	3,278.92
5		5		5		5		5	5,030.53	5	4,702.43	5	4,345.69	5	3,987.66	5	3,629.56	5	3,271.45
1/4		1/4		1/4		1/4		1/4	5,026.86	1/4	4,695.03	1/4	4,338.25	1/4	3,980.20	1/4	3,622.10	1/4	3,263.99
1/2		1/2		1/2		1/2		1/2	5,023.19	1/2	4,687.63	1/2	4,330.81	1/2	3,972.74	1/2	3,614.64	1/2	3,256.53
3/4		3/4		3/4		3/4		3/4	5,018.45	3/4	4,680.24	3/4	4,323.36	3/4	3,965.28	3/4	3,607.18	3/4	3,249.07
6		6		6		6		6	5,013.71	6	4,672.84	6	4,315.91	6	3,957.82	6	3,599.72	6	3,241.61
1/4		1/4		1/4		1/4		1/4	5,008.98	1/4	4,665.44	1/4	4,308.46	1/4	3,950.36	1/4	3,592.26	1/4	3,234.15
1/2		1/2		1/2		1/2		1/2	5,004.24	1/2	4,658.04	1/2	4,301.00	1/2	3,942.90	1/2	3,584.80	1/2	3,226.69
3/4		3/4		3/4		3/4		3/4	4,998.44	3/4	4,650.62	3/4	4,293.54	3/4	3,935.44	3/4	3,577.34	3/4	3,219.23
7		7		7		7		7	4,992.63	7	4,643.20	7	4,286.08	7	3,927.98	7	3,569.87	7	3,211.77
1/4		1/4		1/4		1/4		1/4	4,986.83	1/4	4,635.78	1/4	4,278.62	1/4	3,920.52	1/4	3,562.41	1/4	3,204.31
1/2		1/2		1/2		1/2		1/2	4,981.03	1/2	4,628.36	1/2	4,271.16	1/2	3,913.06	1/2	3,554.95	1/2	3,196.85
3/4		3/4		3/4		3/4		3/4	4,974.22	3/4	4,620.92	3/4	4,263.70	3/4	3,905.60	3/4	3,547.49	3/4	3,189.39
8		8		8		8		8	4,967.42	8	4,613.49	8	4,256.24	8	3,898.14	8	3,540.03	8	3,181.93
1/4		1/4		1/4		1/4		1/4	4,960.61	1/4	4,606.05	1/4	4,248.78	1/4	3,890.68	1/4	3,532.57	1/4	3,174.47
1/2		1/2		1/2		1/2		1/2	4,953.81	1/2	4,598.61	1/2	4,241.32	1/2	3,883.22	1/2	3,525.11	1/2	3,167.01
3/4		3/4		3/4		3/4		3/4	4,946.47	3/4	4,591.17	3/4	4,233.86	3/4	3,875.76	3/4	3,517.65	3/4	3,159.55
9		9		9		9		9	4,939.13	9	4,583.73	9	4,226.40	9	3,868.29	9	3,510.19	9	3,152.09
1/4		1/4		1/4		1/4		1/4	4,931.80	1/4	4,576.29	1/4	4,218.94	1/4	3,860.83	1/4	3,502.73	1/4	3,144.63
1/2		1/2		1/2		1/2		1/2	4,924.46	1/2	4,568.85	1/2	4,211.48	1/2	3,853.37	1/2	3,495.27	1/2	3,137.17
3/4		3/4		3/4		3/4		3/4	4,917.06	3/4	4,561.41	3/4	4,204.02	3/4	3,845.91	3/4	3,487.81	3/4	3,129.71
10		10		10		10		10	4,909.65	10	4,553.98	10	4,196.56	10	3,838.45	10	3,480.35	10	3,122.24
1/4		1/4		1/4		1/4		1/4	4,902.25	1/4	4,546.54	1/4	4,189.10	1/4	3,830.99	1/4	3,472.89	1/4	3,114.78
1/2		1/2		1/2		1/2		1/2	4,894.85	1/2	4,539.10	1/2	4,181.64	1/2	3,823.53	1/2	3,465.43	1/2	3,107.32
3/4		3/4		3/4		3/4		3/4	4,887.44	3/4	4,531.66	3/4	4,174.18	3/4	3,816.07	3/4	3,457.97	3/4	3,099.86
11		11		11		11		11	4,880.04	11	4,524.22	11	4,166.71	11	3,808.61	11	3,450.51	11	3,092.40
1/4		1/4		1/4		1/4		1/4	4,872.64	1/4	4,516.78	1/4	4,159.25	1/4	3,801.15	1/4	3,443.05	1/4	3,084.94
1/2		1/2		1/2		1/2		1/2	4,865.24	1/2	4,509.34	1/2	4,151.79	1/2	3,793.69	1/2	3,435.59	1/2	3,077.48
3/4		3/4		3/4		3/4		3/4	4,857.83	3/4	4,501.90	3/4	4,144.33	3/4	3,786.23	3/4	3,428.13	3/4	3,070.02

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" DEVICE.

GAUGE POINT: (HERMETIC ON EXP. DOME) LOCATED 03'-00" OFF CENTERLINE AND 01'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "LACB - 117"

1 PORT

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 29245"

GAUGE HEIGHT 18'-10 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	3,062.56	0	2,704.33	0	2,346.03	0	1,987.74	0	1,629.44	0	1,271.14	0	914.04	0	556.81	0	221.78	0	
1/4	3,055.10	1/4	2,696.86	1/4	2,338.57	1/4	1,980.27	1/4	1,621.97	1/4	1,263.68	1/4	906.63	1/4	549.37	1/4	215.27	1/4	
1/2	3,047.64	1/2	2,689.40	1/2	2,331.10	1/2	1,972.81	1/2	1,614.51	1/2	1,256.21	1/2	899.22	1/2	541.93	1/2	208.77	1/2	
3/4	3,040.18	3/4	2,681.93	3/4	2,323.64	3/4	1,965.34	3/4	1,607.05	3/4	1,248.75	3/4	891.80	3/4	534.55	3/4	202.35	3/4	
1	3,032.72	1	2,674.47	1	2,316.17	1	1,957.88	1	1,599.58	1	1,241.29	1	884.39	1	527.17	1	195.93	1	
1/4	3,025.26	1/4	2,667.00	1/4	2,308.71	1/4	1,950.41	1/4	1,592.12	1/4	1,233.82	1/4	876.98	1/4	519.79	1/4	189.51	1/4	
1/2	3,017.80	1/2	2,659.54	1/2	2,301.24	1/2	1,942.95	1/2	1,584.65	1/2	1,226.36	1/2	869.56	1/2	512.41	1/2	183.09	1/2	
3/4	3,010.34	3/4	2,652.08	3/4	2,293.78	3/4	1,935.48	3/4	1,577.19	3/4	1,218.89	3/4	862.15	3/4	505.11	3/4	176.74	3/4	
2	3,002.88	2	2,644.61	2	2,286.32	2	1,928.02	2	1,569.72	2	1,211.43	2	854.73	2	497.81	2	170.40	2	
1/4	2,995.42	1/4	2,637.15	1/4	2,278.85	1/4	1,920.55	1/4	1,562.26	1/4	1,203.96	1/4	847.32	1/4	490.51	1/4	164.05	1/4	
1/2	2,987.96	1/2	2,629.68	1/2	2,271.39	1/2	1,913.09	1/2	1,554.79	1/2	1,196.50	1/2	839.91	1/2	483.21	1/2	157.70	1/2	
3/4	2,980.50	3/4	2,622.22	3/4	2,263.92	3/4	1,905.63	3/4	1,547.33	3/4	1,189.03	3/4	832.49	3/4	475.99	3/4	151.43	3/4	
3	2,973.03	3	2,614.75	3	2,256.46	3	1,898.16	3	1,539.87	3	1,181.57	3	825.08	3	468.77	3	145.16	3	
1/4	2,965.57	1/4	2,607.29	1/4	2,248.99	1/4	1,890.70	1/4	1,532.40	1/4	1,174.10	1/4	817.67	1/4	461.55	1/4	138.89	1/4	
1/2	2,958.11	1/2	2,599.82	1/2	2,241.53	1/2	1,883.23	1/2	1,524.94	1/2	1,166.64	1/2	810.25	1/2	454.34	1/2	132.62	1/2	
3/4	2,950.65	3/4	2,592.36	3/4	2,234.06	3/4	1,875.77	3/4	1,517.47	3/4	1,159.18	3/4	802.84	3/4	447.20	3/4	126.42	3/4	
4	2,943.19	4	2,584.90	4	2,226.60	4	1,868.30	4	1,510.01	4	1,151.71	4	795.43	4	440.06	4	120.23	4	
1/4	2,935.73	1/4	2,577.43	1/4	2,219.13	1/4	1,860.84	1/4	1,502.54	1/4	1,144.25	1/4	788.01	1/4	432.92	1/4	114.04	1/4	
1/2	2,928.27	1/2	2,569.97	1/2	2,211.67	1/2	1,853.37	1/2	1,495.08	1/2	1,136.78	1/2	780.60	1/2	425.79	1/2	107.85	1/2	
3/4	2,920.81	3/4	2,562.50	3/4	2,204.21	3/4	1,845.91	3/4	1,487.61	3/4	1,129.33	3/4	773.16	3/4	418.73	3/4	101.73	3/4	
5	2,913.34	5	2,555.04	5	2,196.74	5	1,838.45	5	1,480.15	5	1,121.88	5	765.72	5	411.67	5	95.62	5	
1/4	2,905.87	1/4	2,547.57	1/4	2,189.28	1/4	1,830.98	1/4	1,472.68	1/4	1,114.43	1/4	758.28	1/4	404.62	1/4	89.51	1/4	
1/2	2,898.40	1/2	2,540.11	1/2	2,181.81	1/2	1,823.52	1/2	1,465.22	1/2	1,106.98	1/2	750.84	1/2	397.56	1/2	83.40	1/2	
3/4	2,890.94	3/4	2,532.64	3/4	2,174.35	3/4	1,816.05	3/4	1,457.76	3/4	1,099.55	3/4	743.38	3/4	390.59	3/4	77.37	3/4	
6	2,883.48	6	2,525.18	6	2,166.88	6	1,808.59	6	1,450.29	6	1,092.11	6	735.91	6	383.61	6	71.34	6	
1/4	2,876.01	1/4	2,517.71	1/4	2,159.42	1/4	1,801.12	1/4	1,442.83	1/4	1,084.68	1/4	728.45	1/4	376.64	1/4	65.31	1/4	
1/2	2,868.55	1/2	2,510.25	1/2	2,151.95	1/2	1,793.66	1/2	1,435.36	1/2	1,077.24	1/2	720.98	1/2	369.66	1/2	59.28	1/2	
3/4	2,861.08	3/4	2,502.79	3/4	2,144.49	3/4	1,786.19	3/4	1,427.90	3/4	1,069.82	3/4	713.52	3/4	362.76	3/4	53.80	3/4	
7	2,853.62	7	2,495.32	7	2,137.03	7	1,778.73	7	1,420.43	7	1,062.39	7	706.06	7	355.86	7	48.32	7	
1/4	2,846.15	1/4	2,487.86	1/4	2,129.56	1/4	1,771.26	1/4	1,412.97	1/4	1,054.96	1/4	698.59	1/4	348.96	1/4	42.83	1/4	
1/2	2,838.69	1/2	2,480.39	1/2	2,122.10	1/2	1,763.80	1/2	1,405.50	1/2	1,047.53	1/2	691.13	1/2	342.06	1/2	37.35	1/2	
3/4	2,831.22	3/4	2,472.93	3/4	2,114.63	3/4	1,756.34	3/4	1,398.04	3/4	1,040.11	3/4	683.66	3/4	335.24	3/4	33.35	3/4	
8	2,823.76	8	2,465.46	8	2,107.17	8	1,748.87	8	1,390.58	8	1,032.69	8	676.20	8	328.41	8	29.35	8	
1/4	2,816.29	1/4	2,458.00	1/4	2,099.70	1/4	1,741.41	1/4	1,383.11	1/4	1,025.27	1/4	668.73	1/4	321.59	1/4	25.35	1/4	
1/2	2,808.83	1/2	2,450.53	1/2	2,092.24	1/2	1,733.94	1/2	1,375.65	1/2	1,017.85	1/2	661.27	1/2	314.76	1/2	21.35	1/2	
3/4	2,801.37	3/4	2,443.07	3/4	2,084.77	3/4	1,726.48	3/4	1,368.18	3/4	1,010.43	3/4	653.81	3/4	308.01	3/4	18.44	3/4	
9	2,793.90	9	2,435.61	9	2,077.31	9	1,719.01	9	1,360.72	9	1,003.01	9	646.34	9	301.27	9	15.52	9	
1/4	2,786.44	1/4	2,428.14	1/4	2,069.84	1/4	1,711.55	1/4	1,353.25	1/4	995.60	1/4	638.88	1/4	294.52	1/4	12.61	1/4	
1/2	2,778.97	1/2	2,420.68	1/2	2,062.38	1/2	1,704.08	1/2	1,345.79	1/2	988.18	1/2	631.41	1/2	287.78	1/2	9.70	1/2	
3/4	2,771.51	3/4	2,413.21	3/4	2,054.92	3/4	1,696.62	3/4	1,338.32	3/4	980.77	3/4	623.95	3/4	281.11	3/4	7.83	3/4	
10	2,764.04	10	2,405.75	10	2,047.45	10	1,689.16	10	1,330.86	10	973.35	10	616.48	10	274.45	10	5.97	10	
1/4	2,756.58	1/4	2,398.28	1/4	2,039.99	1/4	1,681.69	1/4	1,323.39	1/4	965.94	1/4	609.02	1/4	267.78	1/4	4.10	1/4	
1/2	2,749.11	1/2	2,390.82	1/2	2,032.52	1/2	1,674.23	1/2	1,315.93	1/2	958.53	1/2	601.56	1/2	261.12	1/2	2.23	1/2	
3/4	2,741.65	3/4	2,383.35	3/4	2,025.06	3/4	1,666.76	3/4	1,308.47	3/4	951.11	3/4	594.09	3/4	254.53	3/4		3/4	
11	2,734.19	11	2,375.89	11	2,017.59	11	1,659.30	11	1,301.00	11	943.70	11	586.63	11	247.95	11		11	
1/4	2,726.72	1/4	2,368.42	1/4	2,010.13	1/4	1,651.83	1/4	1,293.54	1/4	936.28	1/4	579.16	1/4	241.36	1/4		1/4	
1/2	2,719.26	1/2	2,360.96	1/2	2,002.66	1/2	1,644.37	1/2	1,286.07	1/2	928.87	1/2	571.70	1/2	234.78	1/2		1/2	
3/4	2,711.79	3/4	2,353.50	3/4	1,995.20	3/4	1,636.90	3/4	1,278.61	3/4	921.46	3/4	564.26	3/4	228.28	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/13/2013 CL
RECALCULATED: 05/15/2020 SW
NAME CHANGE: 08/24/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "LACB - 117"

1 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 29245"

GAUGE HEIGHT 18'-11"

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	4,869.87	0	4,513.76	0	4,155.99	0	3,797.68	0	3,439.36
1/4		1/4		1/4		1/4		1/4		1/4	4,862.46	1/4	4,506.32	1/4	4,148.53	1/4	3,790.21	1/4	3,431.90
1/2		1/2		1/2		1/2		1/2		1/2	4,855.05	1/2	4,498.87	1/2	4,141.06	1/2	3,782.75	1/2	3,424.43
3/4		3/4		3/4		3/4		3/4		3/4	4,847.64	3/4	4,491.43	3/4	4,133.60	3/4	3,775.28	3/4	3,416.97
1		1		1		1		1		1	4,840.24	1	4,483.99	1	4,126.13	1	3,767.82	1	3,409.50
1/4		1/4		1/4		1/4		1/4		1/4	4,832.83	1/4	4,476.54	1/4	4,118.67	1/4	3,760.35	1/4	3,402.04
1/2		1/2		1/2		1/2		1/2		1/2	4,825.43	1/2	4,469.10	1/2	4,111.21	1/2	3,752.89	1/2	3,394.57
3/4		3/4		3/4		3/4		3/4		3/4	4,818.02	3/4	4,461.66	3/4	4,103.74	3/4	3,745.42	3/4	3,387.11
2		2		2		2		2		2	4,810.62	2	4,454.21	2	4,096.28	2	3,737.96	2	3,379.64
1/4		1/4		1/4		1/4		1/4		1/4	4,803.21	1/4	4,446.77	1/4	4,088.81	1/4	3,730.50	1/4	3,372.18
1/2		1/2		1/2		1/2		1/2		1/2	4,795.81	1/2	4,439.33	1/2	4,081.35	1/2	3,723.03	1/2	3,364.72
3/4		3/4		3/4		3/4		3/4		3/4	4,788.40	3/4	4,431.88	3/4	4,073.88	3/4	3,715.57	3/4	3,357.25
3		3		3		3		3	5,059.17	3	4,781.00	3	4,424.44	3	4,066.42	3	3,708.10	3	3,349.79
1/4		1/4		1/4		1/4		1/4	5,057.63	1/4	4,773.60	1/4	4,417.00	1/4	4,058.95	1/4	3,700.64	1/4	3,342.32
1/2		1/2		1/2		1/2		1/2	5,056.09	1/2	4,766.19	1/2	4,409.55	1/2	4,051.49	1/2	3,693.17	1/2	3,334.86
3/4		3/4		3/4		3/4		3/4	5,054.55	3/4	4,758.79	3/4	4,402.11	3/4	4,044.02	3/4	3,685.71	3/4	3,327.39
4		4		4		4		4	5,053.01	4	4,751.39	4	4,394.67	4	4,036.56	4	3,678.24	4	3,319.93
1/4		1/4		1/4		1/4		1/4	5,050.41	1/4	4,743.98	1/4	4,387.22	1/4	4,029.09	1/4	3,670.78	1/4	3,312.46
1/2		1/2		1/2		1/2		1/2	5,047.80	1/2	4,736.58	1/2	4,379.78	1/2	4,021.63	1/2	3,663.31	1/2	3,305.00
3/4		3/4		3/4		3/4		3/4	5,045.20	3/4	4,729.18	3/4	4,372.34	3/4	4,014.16	3/4	3,655.85	3/4	3,297.53
5		5		5		5		5	5,042.59	5	4,721.77	5	4,364.90	5	4,006.70	5	3,648.38	5	3,290.07
1/4		1/4		1/4		1/4		1/4	5,038.92	1/4	4,714.37	1/4	4,357.45	1/4	3,999.23	1/4	3,640.92	1/4	3,282.60
1/2		1/2		1/2		1/2		1/2	5,035.25	1/2	4,706.97	1/2	4,350.01	1/2	3,991.77	1/2	3,633.45	1/2	3,275.14
3/4		3/4		3/4		3/4		3/4	5,031.57	3/4	4,699.56	3/4	4,342.57	3/4	3,984.30	3/4	3,625.99	3/4	3,267.67
6		6		6		6		6	5,027.90	6	4,692.16	6	4,335.12	6	3,976.84	6	3,618.52	6	3,260.21
1/4		1/4		1/4		1/4		1/4	5,023.16	1/4	4,684.76	1/4	4,327.66	1/4	3,969.37	1/4	3,611.06	1/4	3,252.74
1/2		1/2		1/2		1/2		1/2	5,018.42	1/2	4,677.35	1/2	4,320.21	1/2	3,961.91	1/2	3,603.59	1/2	3,245.28
3/4		3/4		3/4		3/4		3/4	5,013.68	3/4	4,669.95	3/4	4,312.75	3/4	3,954.44	3/4	3,596.13	3/4	3,237.81
7		7		7		7		7	5,008.94	7	4,662.55	7	4,305.29	7	3,946.98	7	3,588.66	7	3,230.35
1/4		1/4		1/4		1/4		1/4	5,003.13	1/4	4,655.12	1/4	4,297.83	1/4	3,939.51	1/4	3,581.20	1/4	3,222.88
1/2		1/2		1/2		1/2		1/2	4,997.33	1/2	4,647.70	1/2	4,290.36	1/2	3,932.05	1/2	3,573.73	1/2	3,215.42
3/4		3/4		3/4		3/4		3/4	4,991.52	3/4	4,640.27	3/4	4,282.90	3/4	3,924.58	3/4	3,566.27	3/4	3,207.95
8		8		8		8		8	4,985.71	8	4,632.85	8	4,275.43	8	3,917.12	8	3,558.80	8	3,200.49
1/4		1/4		1/4		1/4		1/4	4,978.91	1/4	4,625.41	1/4	4,267.97	1/4	3,909.65	1/4	3,551.34	1/4	3,193.02
1/2		1/2		1/2		1/2		1/2	4,972.10	1/2	4,617.96	1/2	4,260.50	1/2	3,902.19	1/2	3,543.87	1/2	3,185.56
3/4		3/4		3/4		3/4		3/4	4,965.29	3/4	4,610.52	3/4	4,253.04	3/4	3,894.72	3/4	3,536.41	3/4	3,178.09
9		9		9		9		9	4,958.49	9	4,603.08	9	4,245.57	9	3,887.26	9	3,528.94	9	3,170.63
1/4		1/4		1/4		1/4		1/4	4,951.15	1/4	4,595.63	1/4	4,238.11	1/4	3,879.79	1/4	3,521.48	1/4	3,163.16
1/2		1/2		1/2		1/2		1/2	4,943.81	1/2	4,588.19	1/2	4,230.64	1/2	3,872.33	1/2	3,514.01	1/2	3,155.70
3/4		3/4		3/4		3/4		3/4	4,936.47	3/4	4,580.75	3/4	4,223.18	3/4	3,864.86	3/4	3,506.55	3/4	3,148.23
10		10		10		10		10	4,929.13	10	4,573.30	10	4,215.71	10	3,857.40	10	3,499.08	10	3,140.77
1/4		1/4		1/4		1/4		1/4	4,921.72	1/4	4,565.86	1/4	4,208.25	1/4	3,849.93	1/4	3,491.62	1/4	3,133.30
1/2		1/2		1/2		1/2		1/2	4,914.31	1/2	4,558.42	1/2	4,200.78	1/2	3,842.47	1/2	3,484.15	1/2	3,125.84
3/4		3/4		3/4		3/4		3/4	4,906.90	3/4	4,550.98	3/4	4,193.32	3/4	3,835.00	3/4	3,476.69	3/4	3,118.37
11		11		11		11		11	4,899.50	11	4,543.53	11	4,185.85	11	3,827.54	11	3,469.22	11	3,110.91
1/4		1/4		1/4		1/4		1/4	4,892.09	1/4	4,536.09	1/4	4,178.39	1/4	3,820.07	1/4	3,461.76	1/4	3,103.44
1/2		1/2		1/2		1/2		1/2	4,884.68	1/2	4,528.65	1/2	4,170.92	1/2	3,812.61	1/2	3,454.29	1/2	3,095.98
3/4		3/4		3/4		3/4		3/4	4,877.27	3/4	4,521.20	3/4	4,163.46	3/4	3,805.14	3/4	3,446.83	3/4	3,088.51

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" DEVICE.

GAUGE POINT: (HERMETIC ON EXP. DOME) LOCATED 03'-00" OFF CENTERLINE AND 01'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "LACB - 117"

1 STBD

ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 29245"

GAUGE HEIGHT 18'-11"

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	3,081.05	0	2,722.63	0	2,364.12	0	2,005.60	0	1,647.09	0	1,288.58	0	930.26	0	572.06	0	234.97	0	
1/4	3,073.58	1/4	2,715.16	1/4	2,356.65	1/4	1,998.13	1/4	1,639.62	1/4	1,281.11	1/4	922.80	1/4	564.61	1/4	228.46	1/4	
1/2	3,066.12	1/2	2,707.69	1/2	2,349.18	1/2	1,990.67	1/2	1,632.15	1/2	1,273.64	1/2	915.35	1/2	557.17	1/2	221.96	1/2	
3/4	3,058.65	3/4	2,700.22	3/4	2,341.71	3/4	1,983.20	3/4	1,624.68	3/4	1,266.17	3/4	907.89	3/4	549.73	3/4	215.45	3/4	
1	3,051.19	1	2,692.75	1	2,334.24	1	1,975.73	1	1,617.22	1	1,258.70	1	900.44	1	542.29	1	208.94	1	
1/4	3,043.72	1/4	2,685.28	1/4	2,326.77	1/4	1,968.26	1/4	1,609.75	1/4	1,251.23	1/4	892.98	1/4	534.91	1/4	202.52	1/4	
1/2	3,036.26	1/2	2,677.81	1/2	2,319.30	1/2	1,960.79	1/2	1,602.28	1/2	1,243.77	1/2	885.53	1/2	527.53	1/2	196.09	1/2	
3/4	3,028.79	3/4	2,670.34	3/4	2,311.83	3/4	1,953.32	3/4	1,594.81	3/4	1,236.30	3/4	878.07	3/4	520.16	3/4	189.67	3/4	
2	3,021.33	2	2,662.88	2	2,304.36	2	1,945.85	2	1,587.34	2	1,228.83	2	870.62	2	512.78	2	183.24	2	
1/4	3,013.86	1/4	2,655.41	1/4	2,296.89	1/4	1,938.38	1/4	1,579.87	1/4	1,221.36	1/4	863.16	1/4	505.48	1/4	176.89	1/4	
1/2	3,006.40	1/2	2,647.94	1/2	2,289.43	1/2	1,930.91	1/2	1,572.40	1/2	1,213.89	1/2	855.71	1/2	498.18	1/2	170.54	1/2	
3/4	2,998.93	3/4	2,640.47	3/4	2,281.96	3/4	1,923.44	3/4	1,564.93	3/4	1,206.42	3/4	848.25	3/4	490.88	3/4	164.19	3/4	
3	2,991.47	3	2,633.00	3	2,274.49	3	1,915.98	3	1,557.46	3	1,198.95	3	840.80	3	483.58	3	157.84	3	
1/4	2,984.01	1/4	2,625.53	1/4	2,267.02	1/4	1,908.51	1/4	1,549.99	1/4	1,191.48	1/4	833.34	1/4	476.35	1/4	151.56	1/4	
1/2	2,976.54	1/2	2,618.06	1/2	2,259.55	1/2	1,901.04	1/2	1,542.53	1/2	1,184.01	1/2	825.89	1/2	469.13	1/2	145.28	1/2	
3/4	2,969.08	3/4	2,610.59	3/4	2,252.08	3/4	1,893.57	3/4	1,535.06	3/4	1,176.54	3/4	818.43	3/4	461.91	3/4	139.00	3/4	
4	2,961.61	4	2,603.12	4	2,244.61	4	1,886.10	4	1,527.59	4	1,169.08	4	810.98	4	454.68	4	132.73	4	
1/4	2,954.15	1/4	2,595.65	1/4	2,237.14	1/4	1,878.63	1/4	1,520.12	1/4	1,161.61	1/4	803.52	1/4	447.54	1/4	126.53	1/4	
1/2	2,946.68	1/2	2,588.19	1/2	2,229.67	1/2	1,871.16	1/2	1,512.65	1/2	1,154.14	1/2	796.07	1/2	440.40	1/2	120.33	1/2	
3/4	2,939.22	3/4	2,580.72	3/4	2,222.20	3/4	1,863.69	3/4	1,505.18	3/4	1,146.67	3/4	788.61	3/4	433.26	3/4	114.13	3/4	
5	2,931.75	5	2,573.25	5	2,214.74	5	1,856.22	5	1,497.71	5	1,139.20	5	781.16	5	426.11	5	107.94	5	
1/4	2,924.28	1/4	2,565.78	1/4	2,207.27	1/4	1,848.75	1/4	1,490.24	1/4	1,131.73	1/4	773.69	1/4	419.05	1/4	101.82	1/4	
1/2	2,916.82	1/2	2,558.31	1/2	2,199.80	1/2	1,841.29	1/2	1,482.77	1/2	1,124.26	1/2	766.23	1/2	411.99	1/2	95.70	1/2	
3/4	2,909.35	3/4	2,550.84	3/4	2,192.33	3/4	1,833.82	3/4	1,475.30	3/4	1,116.79	3/4	758.77	3/4	404.93	3/4	89.59	3/4	
6	2,901.88	6	2,543.37	6	2,184.86	6	1,826.35	6	1,467.84	6	1,109.32	6	751.31	6	397.87	6	83.47	6	
1/4	2,894.41	1/4	2,535.90	1/4	2,177.39	1/4	1,818.88	1/4	1,460.37	1/4	1,101.85	1/4	743.84	1/4	390.89	1/4	77.43	1/4	
1/2	2,886.95	1/2	2,528.43	1/2	2,169.92	1/2	1,811.41	1/2	1,452.90	1/2	1,094.39	1/2	736.37	1/2	383.91	1/2	71.40	1/2	
3/4	2,879.48	3/4	2,520.96	3/4	2,162.45	3/4	1,803.94	3/4	1,445.43	3/4	1,086.92	3/4	728.90	3/4	376.93	3/4	65.36	3/4	
7	2,872.01	7	2,513.50	7	2,154.98	7	1,796.47	7	1,437.96	7	1,079.45	7	721.43	7	369.95	7	59.33	7	
1/4	2,864.54	1/4	2,506.03	1/4	2,147.51	1/4	1,789.00	1/4	1,430.49	1/4	1,071.98	1/4	713.96	1/4	363.05	1/4	53.84	1/4	
1/2	2,857.07	1/2	2,498.56	1/2	2,140.05	1/2	1,781.53	1/2	1,423.02	1/2	1,064.52	1/2	706.50	1/2	356.14	1/2	48.35	1/2	
3/4	2,849.60	3/4	2,491.09	3/4	2,132.58	3/4	1,774.06	3/4	1,415.55	3/4	1,057.05	3/4	699.03	3/4	349.24	3/4	42.87	3/4	
8	2,842.13	8	2,483.62	8	2,125.11	8	1,766.60	8	1,408.08	8	1,049.58	8	691.56	8	342.34	8	37.38	8	
1/4	2,834.66	1/4	2,476.15	1/4	2,117.64	1/4	1,759.13	1/4	1,400.61	1/4	1,042.12	1/4	684.09	1/4	335.50	1/4	33.38	1/4	
1/2	2,827.19	1/2	2,468.68	1/2	2,110.17	1/2	1,751.66	1/2	1,393.15	1/2	1,034.66	1/2	676.62	1/2	328.67	1/2	29.37	1/2	
3/4	2,819.72	3/4	2,461.21	3/4	2,102.70	3/4	1,744.19	3/4	1,385.68	3/4	1,027.20	3/4	669.15	3/4	321.84	3/4	25.37	3/4	
9	2,812.26	9	2,453.74	9	2,095.23	9	1,736.72	9	1,378.21	9	1,019.73	9	661.68	9	315.01	9	21.36	9	
1/4	2,804.79	1/4	2,446.27	1/4	2,087.76	1/4	1,729.25	1/4	1,370.74	1/4	1,012.28	1/4	654.21	1/4	308.26	1/4	18.44	1/4	
1/2	2,797.32	1/2	2,438.81	1/2	2,080.29	1/2	1,721.78	1/2	1,363.27	1/2	1,004.82	1/2	646.75	1/2	301.51	1/2	15.53	1/2	
3/4	2,789.85	3/4	2,431.34	3/4	2,072.82	3/4	1,714.31	3/4	1,355.80	3/4	997.36	3/4	639.28	3/4	294.76	3/4	12.61	3/4	
10	2,782.38	10	2,423.87	10	2,065.36	10	1,706.84	10	1,348.33	10	989.90	10	631.81	10	288.01	10	9.70	10	
1/4	2,774.91	1/4	2,416.40	1/4	2,057.89	1/4	1,699.37	1/4	1,340.86	1/4	982.44	1/4	624.34	1/4	281.34	1/4	7.83	1/4	
1/2	2,767.44	1/2	2,408.93	1/2	2,050.42	1/2	1,691.91	1/2	1,333.39	1/2	974.99	1/2	616.87	1/2	274.67	1/2	5.96	1/2	
3/4	2,759.97	3/4	2,401.46	3/4	2,042.95	3/4	1,684.44	3/4	1,325.92	3/4	967.53	3/4	609.40	3/4	268.00	3/4	4.10	3/4	
11	2,752.50	11	2,393.99	11	2,035.48	11	1,676.97	11	1,318.46	11	960.08	11	601.93	11	261.33	11	2.23	11	
1/4	2,745.03	1/4	2,386.52	1/4	2,028.01	1/4	1,669.50	1/4	1,310.99	1/4	952.62	1/4	594.46	1/4	254.74	1/4		1/4	
1/2	2,737.57	1/2	2,379.05	1/2	2,020.54	1/2	1,662.03	1/2	1,303.52	1/2	945.17	1/2	586.99	1/2	248.15	1/2		1/2	
3/4	2,730.10	3/4	2,371.58	3/4	2,013.07	3/4	1,654.56	3/4	1,296.05	3/4	937.71	3/4	579.53	3/4	241.56	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/13/2013 CL
RECALCULATED: 05/15/2020 SW
NAME CHANGE: 08/24/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "LACB - 117"

2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 29245"

GAUGE HEIGHT 18'-10 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	4,926.23	0	4,569.00	0	4,210.15	0	3,850.78	0	3,491.42
1/4		1/4		1/4		1/4		1/4		1/4	4,918.80	1/4	4,561.54	1/4	4,202.66	1/4	3,843.30	1/4	3,483.93
1/2		1/2		1/2		1/2		1/2		1/2	4,911.37	1/2	4,554.07	1/2	4,195.18	1/2	3,835.81	1/2	3,476.44
3/4		3/4		3/4		3/4		3/4		3/4	4,903.94	3/4	4,546.61	3/4	4,187.69	3/4	3,828.32	3/4	3,468.96
1		1		1		1		1		1	4,896.52	1	4,539.14	1	4,180.20	1	3,820.84	1	3,461.47
1/4		1/4		1/4		1/4		1/4		1/4	4,889.09	1/4	4,531.68	1/4	4,172.72	1/4	3,813.35	1/4	3,453.98
1/2		1/2		1/2		1/2		1/2		1/2	4,881.66	1/2	4,524.21	1/2	4,165.23	1/2	3,805.86	1/2	3,446.50
3/4		3/4		3/4		3/4		3/4		3/4	4,874.24	3/4	4,516.74	3/4	4,157.74	3/4	3,798.38	3/4	3,439.01
2		2		2		2		2		2	4,866.81	2	4,509.28	2	4,150.26	2	3,790.89	2	3,431.52
1/4		1/4		1/4		1/4		1/4		1/4	4,859.39	1/4	4,501.81	1/4	4,142.77	1/4	3,783.40	1/4	3,424.04
1/2		1/2		1/2		1/2		1/2	5,130.97	1/2	4,851.96	1/2	4,494.35	1/2	4,135.28	1/2	3,775.92	1/2	3,416.55
3/4		3/4		3/4		3/4		3/4	5,129.43	3/4	4,844.54	3/4	4,486.88	3/4	4,127.80	3/4	3,768.43	3/4	3,409.06
3		3		3		3		3	5,127.88	3	4,837.11	3	4,479.42	3	4,120.31	3	3,760.94	3	3,401.58
1/4		1/4		1/4		1/4		1/4	5,126.34	1/4	4,829.68	1/4	4,471.95	1/4	4,112.82	1/4	3,753.46	1/4	3,394.09
1/2		1/2		1/2		1/2		1/2	5,124.80	1/2	4,822.26	1/2	4,464.49	1/2	4,105.33	1/2	3,745.97	1/2	3,386.60
3/4		3/4		3/4		3/4		3/4	5,122.18	3/4	4,814.83	3/4	4,457.02	3/4	4,097.85	3/4	3,738.48	3/4	3,379.12
4		4		4		4		4	5,119.57	4	4,807.41	4	4,449.56	4	4,090.36	4	3,730.99	4	3,371.63
1/4		1/4		1/4		1/4		1/4	5,116.95	1/4	4,799.98	1/4	4,442.09	1/4	4,082.87	1/4	3,723.51	1/4	3,364.14
1/2		1/2		1/2		1/2		1/2	5,114.34	1/2	4,792.56	1/2	4,434.63	1/2	4,075.39	1/2	3,716.02	1/2	3,356.65
3/4		3/4		3/4		3/4		3/4	5,110.66	3/4	4,785.13	3/4	4,427.16	3/4	4,067.90	3/4	3,708.53	3/4	3,349.17
5		5		5		5		5	5,106.97	5	4,777.71	5	4,419.70	5	4,060.41	5	3,701.05	5	3,341.68
1/4		1/4		1/4		1/4		1/4	5,103.29	1/4	4,770.28	1/4	4,412.23	1/4	4,052.93	1/4	3,693.56	1/4	3,334.19
1/2		1/2		1/2		1/2		1/2	5,099.60	1/2	4,762.86	1/2	4,404.77	1/2	4,045.44	1/2	3,686.07	1/2	3,326.71
3/4		3/4		3/4		3/4		3/4	5,094.85	3/4	4,755.43	3/4	4,397.29	3/4	4,037.95	3/4	3,678.59	3/4	3,319.22
6		6		6		6		6	5,090.10	6	4,748.00	6	4,389.81	6	4,030.47	6	3,671.10	6	3,311.73
1/4		1/4		1/4		1/4		1/4	5,085.34	1/4	4,740.58	1/4	4,382.34	1/4	4,022.98	1/4	3,663.61	1/4	3,304.25
1/2		1/2		1/2		1/2		1/2	5,080.59	1/2	4,733.15	1/2	4,374.86	1/2	4,015.49	1/2	3,656.13	1/2	3,296.76
3/4		3/4		3/4		3/4		3/4	5,074.76	3/4	4,725.71	3/4	4,367.37	3/4	4,008.01	3/4	3,648.64	3/4	3,289.27
7		7		7		7		7	5,068.94	7	4,718.26	7	4,359.89	7	4,000.52	7	3,641.15	7	3,281.79
1/4		1/4		1/4		1/4		1/4	5,063.11	1/4	4,710.82	1/4	4,352.40	1/4	3,993.03	1/4	3,633.67	1/4	3,274.30
1/2		1/2		1/2		1/2		1/2	5,057.29	1/2	4,703.37	1/2	4,344.91	1/2	3,985.55	1/2	3,626.18	1/2	3,266.81
3/4		3/4		3/4		3/4		3/4	5,050.46	3/4	4,695.91	3/4	4,337.43	3/4	3,978.06	3/4	3,618.69	3/4	3,259.33
8		8		8		8		8	5,043.63	8	4,688.44	8	4,329.94	8	3,970.57	8	3,611.21	8	3,251.84
1/4		1/4		1/4		1/4		1/4	5,036.81	1/4	4,680.98	1/4	4,322.45	1/4	3,963.09	1/4	3,603.72	1/4	3,244.35
1/2		1/2		1/2		1/2		1/2	5,029.98	1/2	4,673.51	1/2	4,314.97	1/2	3,955.60	1/2	3,596.23	1/2	3,236.87
3/4		3/4		3/4		3/4		3/4	5,022.61	3/4	4,666.05	3/4	4,307.48	3/4	3,948.11	3/4	3,588.75	3/4	3,229.38
9		9		9		9		9	5,015.25	9	4,658.58	9	4,299.99	9	3,940.63	9	3,581.26	9	3,221.89
1/4		1/4		1/4		1/4		1/4	5,007.89	1/4	4,651.12	1/4	4,292.50	1/4	3,933.14	1/4	3,573.77	1/4	3,214.41
1/2		1/2		1/2		1/2		1/2	5,000.52	1/2	4,643.65	1/2	4,285.02	1/2	3,925.65	1/2	3,566.29	1/2	3,206.92
3/4		3/4		3/4		3/4		3/4	4,993.09	3/4	4,636.19	3/4	4,277.53	3/4	3,918.16	3/4	3,558.80	3/4	3,199.43
10		10		10		10		10	4,985.67	10	4,628.72	10	4,270.04	10	3,910.68	10	3,551.31	10	3,191.95
1/4		1/4		1/4		1/4		1/4	4,978.24	1/4	4,621.26	1/4	4,262.56	1/4	3,903.19	1/4	3,543.82	1/4	3,184.46
1/2		1/2		1/2		1/2		1/2	4,970.81	1/2	4,613.79	1/2	4,255.07	1/2	3,895.70	1/2	3,536.34	1/2	3,176.97
3/4		3/4		3/4		3/4		3/4	4,963.38	3/4	4,606.33	3/4	4,247.58	3/4	3,888.22	3/4	3,528.85	3/4	3,169.48
11		11		11		11		11	4,955.95	11	4,598.86	11	4,240.10	11	3,880.73	11	3,521.36	11	3,162.00
1/4		1/4		1/4		1/4		1/4	4,948.52	1/4	4,591.40	1/4	4,232.61	1/4	3,873.24	1/4	3,513.88	1/4	3,154.51
1/2		1/2		1/2		1/2		1/2	4,941.09	1/2	4,583.93	1/2	4,225.12	1/2	3,865.76	1/2	3,506.39	1/2	3,147.02
3/4		3/4		3/4		3/4		3/4	4,933.66	3/4	4,576.47	3/4	4,217.64	3/4	3,858.27	3/4	3,498.90	3/4	3,139.54

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" DEVICE.

GAUGE POINT: (HERMETIC ON EXP. DOME) LOCATED 03'-00" OFF CENTERLINE AND 01'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "LACB - 117"

2 PORT

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 29245"

GAUGE HEIGHT 18'-10 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	3,132.05	0	2,772.58	0	2,413.02	0	2,053.46	0	1,693.89	0	1,334.33	0	983.05	0	629.59	0	270.03	0	
1/4	3,124.56	1/4	2,765.09	1/4	2,405.53	1/4	2,045.96	1/4	1,686.40	1/4	1,326.84	1/4	975.87	1/4	622.10	1/4	262.54	1/4	
1/2	3,117.08	1/2	2,757.60	1/2	2,398.04	1/2	2,038.47	1/2	1,678.91	1/2	1,319.35	1/2	968.68	1/2	614.60	1/2	255.05	1/2	
3/4	3,109.59	3/4	2,750.11	3/4	2,390.55	3/4	2,030.98	3/4	1,671.42	3/4	1,311.86	3/4	961.49	3/4	607.11	3/4	247.56	3/4	
1	3,102.10	1	2,742.62	1	2,383.05	1	2,023.49	1	1,663.93	1	1,304.37	1	954.31	1	599.62	1	240.07	1	
1/4	3,094.62	1/4	2,735.13	1/4	2,375.56	1/4	2,016.00	1/4	1,656.44	1/4	1,296.87	1/4	947.12	1/4	592.13	1/4	232.58	1/4	
1/2	3,087.13	1/2	2,727.64	1/2	2,368.07	1/2	2,008.51	1/2	1,648.95	1/2	1,289.38	1/2	939.93	1/2	584.64	1/2	225.09	1/2	
3/4	3,079.64	3/4	2,720.15	3/4	2,360.58	3/4	2,001.02	3/4	1,641.46	3/4	1,281.89	3/4	932.75	3/4	577.15	3/4	217.60	3/4	
2	3,072.16	2	2,712.65	2	2,353.09	2	1,993.53	2	1,633.96	2	1,274.40	2	925.56	2	569.66	2	210.11	2	
1/4	3,064.67	1/4	2,705.16	1/4	2,345.60	1/4	1,986.04	1/4	1,626.47	1/4	1,266.91	1/4	918.37	1/4	562.17	1/4	202.62	1/4	
1/2	3,057.18	1/2	2,697.67	1/2	2,338.11	1/2	1,978.55	1/2	1,618.98	1/2	1,259.42	1/2	911.19	1/2	554.68	1/2	195.13	1/2	
3/4	3,049.70	3/4	2,690.18	3/4	2,330.62	3/4	1,971.06	3/4	1,611.49	3/4	1,251.93	3/4	904.00	3/4	547.19	3/4	187.63	3/4	
3	3,042.21	3	2,682.69	3	2,323.13	3	1,963.56	3	1,604.00	3	1,244.44	3	896.81	3	539.70	3	180.14	3	
1/4	3,034.72	1/4	2,675.20	1/4	2,315.64	1/4	1,956.07	1/4	1,596.51	1/4	1,236.95	1/4	889.63	1/4	532.21	1/4	172.65	1/4	
1/2	3,027.24	1/2	2,667.71	1/2	2,308.15	1/2	1,948.58	1/2	1,589.02	1/2	1,229.46	1/2	882.44	1/2	524.72	1/2	165.16	1/2	
3/4	3,019.75	3/4	2,660.22	3/4	2,300.65	3/4	1,941.09	3/4	1,581.53	3/4	1,221.97	3/4	875.25	3/4	517.23	3/4	157.67	3/4	
4	3,012.26	4	2,652.73	4	2,293.16	4	1,933.60	4	1,574.04	4	1,214.47	4	868.07	4	509.74	4	150.18	4	
1/4	3,004.78	1/4	2,645.24	1/4	2,285.67	1/4	1,926.11	1/4	1,566.55	1/4	1,206.98	1/4	860.88	1/4	502.24	1/4	142.69	1/4	
1/2	2,997.29	1/2	2,637.75	1/2	2,278.18	1/2	1,918.62	1/2	1,559.06	1/2	1,199.49	1/2	853.69	1/2	494.75	1/2	135.20	1/2	
3/4	2,989.80	3/4	2,630.25	3/4	2,270.69	3/4	1,911.13	3/4	1,551.56	3/4	1,192.14	3/4	846.35	3/4	487.26	3/4	127.71	3/4	
5	2,982.32	5	2,622.76	5	2,263.20	5	1,903.64	5	1,544.07	5	1,184.79	5	839.02	5	479.77	5	120.22	5	
1/4	2,974.83	1/4	2,615.27	1/4	2,255.71	1/4	1,896.15	1/4	1,536.58	1/4	1,177.44	1/4	831.68	1/4	472.28	1/4	112.73	1/4	
1/2	2,967.34	1/2	2,607.78	1/2	2,248.22	1/2	1,888.66	1/2	1,529.09	1/2	1,170.09	1/2	824.34	1/2	464.79	1/2	105.24	1/2	
3/4	2,959.85	3/4	2,600.29	3/4	2,240.73	3/4	1,881.16	3/4	1,521.60	3/4	1,162.89	3/4	816.85	3/4	457.30	3/4	97.75	3/4	
6	2,952.36	6	2,592.80	6	2,233.24	6	1,873.67	6	1,514.11	6	1,155.68	6	809.36	6	449.81	6	90.26	6	
1/4	2,944.87	1/4	2,585.31	1/4	2,225.75	1/4	1,866.18	1/4	1,506.62	1/4	1,148.47	1/4	801.87	1/4	442.32	1/4	82.77	1/4	
1/2	2,937.38	1/2	2,577.82	1/2	2,218.25	1/2	1,858.69	1/2	1,499.13	1/2	1,141.26	1/2	794.38	1/2	434.83	1/2	75.27	1/2	
3/4	2,929.89	3/4	2,570.33	3/4	2,210.76	3/4	1,851.20	3/4	1,491.64	3/4	1,134.06	3/4	786.89	3/4	427.34	3/4	68.25	3/4	
7	2,922.40	7	2,562.84	7	2,203.27	7	1,843.71	7	1,484.15	7	1,126.86	7	779.40	7	419.85	7	61.23	7	
1/4	2,914.91	1/4	2,555.35	1/4	2,195.78	1/4	1,836.22	1/4	1,476.66	1/4	1,119.66	1/4	771.91	1/4	412.36	1/4	54.21	1/4	
1/2	2,907.42	1/2	2,547.85	1/2	2,188.29	1/2	1,828.73	1/2	1,469.16	1/2	1,112.46	1/2	764.42	1/2	404.87	1/2	47.18	1/2	
3/4	2,899.93	3/4	2,540.36	3/4	2,180.80	3/4	1,821.24	3/4	1,461.67	3/4	1,105.26	3/4	756.93	3/4	397.37	3/4	41.57	3/4	
8	2,892.44	8	2,532.87	8	2,173.31	8	1,813.75	8	1,454.18	8	1,098.07	8	749.44	8	389.88	8	35.95	8	
1/4	2,884.94	1/4	2,525.38	1/4	2,165.82	1/4	1,806.26	1/4	1,446.69	1/4	1,090.88	1/4	741.95	1/4	382.39	1/4	30.33	1/4	
1/2	2,877.45	1/2	2,517.89	1/2	2,158.33	1/2	1,798.76	1/2	1,439.20	1/2	1,083.68	1/2	734.46	1/2	374.90	1/2	24.71	1/2	
3/4	2,869.96	3/4	2,510.40	3/4	2,150.84	3/4	1,791.27	3/4	1,431.71	3/4	1,076.49	3/4	726.97	3/4	367.41	3/4	20.97	3/4	
9	2,862.47	9	2,502.91	9	2,143.35	9	1,783.78	9	1,424.22	9	1,069.30	9	719.47	9	359.92	9	17.22	9	
1/4	2,854.98	1/4	2,495.42	1/4	2,135.85	1/4	1,776.29	1/4	1,416.73	1/4	1,062.11	1/4	711.98	1/4	352.43	1/4	13.48	1/4	
1/2	2,847.49	1/2	2,487.93	1/2	2,128.36	1/2	1,768.80	1/2	1,409.24	1/2	1,054.92	1/2	704.49	1/2	344.94	1/2	9.73	1/2	
3/4	2,840.00	3/4	2,480.44	3/4	2,120.87	3/4	1,761.31	3/4	1,401.75	3/4	1,047.74	3/4	697.00	3/4	337.45	3/4	7.86	3/4	
10	2,832.51	10	2,472.95	10	2,113.38	10	1,753.82	10	1,394.26	10	1,040.55	10	689.51	10	329.96	10	5.99	10	
1/4	2,825.02	1/4	2,465.45	1/4	2,105.89	1/4	1,746.33	1/4	1,386.76	1/4	1,033.36	1/4	682.02	1/4	322.47	1/4	4.11	1/4	
1/2	2,817.53	1/2	2,457.96	1/2	2,098.40	1/2	1,738.84	1/2	1,379.27	1/2	1,026.17	1/2	674.53	1/2	314.98	1/2	2.24	1/2	
3/4	2,810.04	3/4	2,450.47	3/4	2,090.91	3/4	1,731.35	3/4	1,371.78	3/4	1,018.99	3/4	667.04	3/4	307.49	3/4		3/4	
11	2,802.54	11	2,442.98	11	2,083.42	11	1,723.86	11	1,364.29	11	1,011.80	11	659.55	11	300.00	11		11	
1/4	2,795.05	1/4	2,435.49	1/4	2,075.93	1/4	1,716.36	1/4	1,356.80	1/4	1,004.61	1/4	652.06	1/4	292.50	1/4		1/4	
1/2	2,787.56	1/2	2,428.00	1/2	2,068.44	1/2	1,708.87	1/2	1,349.31	1/2	997.43	1/2	644.57	1/2	285.01	1/2		1/2	
3/4	2,780.07	3/4	2,420.51	3/4	2,060.95	3/4	1,701.38	3/4	1,341.82	3/4	990.24	3/4	637.08	3/4	277.52	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/13/2013 CL
RECALCULATED: 05/15/2020 SW
NAME CHANGE: 08/24/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "LACB - 117"

2 STBD

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 29245"

GAUGE HEIGHT 18'-10 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	4,946.96	0	4,589.82	0	4,231.03	0	3,871.71	0	3,512.39
1/4		1/4		1/4		1/4		1/4		1/4	4,939.53	1/4	4,582.35	1/4	4,223.55	1/4	3,864.22	1/4	3,504.90
1/2		1/2		1/2		1/2		1/2		1/2	4,932.11	1/2	4,574.89	1/2	4,216.06	1/2	3,856.74	1/2	3,497.41
3/4		3/4		3/4		3/4		3/4		3/4	4,924.68	3/4	4,567.42	3/4	4,208.57	3/4	3,849.25	3/4	3,489.93
1		1		1		1		1		1	4,917.25	1	4,559.96	1	4,201.09	1	3,841.76	1	3,482.44
1/4		1/4		1/4		1/4		1/4		1/4	4,909.82	1/4	4,552.50	1/4	4,193.60	1/4	3,834.28	1/4	3,474.96
1/2		1/2		1/2		1/2		1/2		1/2	4,902.40	1/2	4,545.03	1/2	4,186.12	1/2	3,826.79	1/2	3,467.47
3/4		3/4		3/4		3/4		3/4		3/4	4,894.97	3/4	4,537.57	3/4	4,178.63	3/4	3,819.31	3/4	3,459.98
2		2		2		2		2		2	4,887.55	2	4,530.10	2	4,171.14	2	3,811.82	2	3,452.50
1/4		1/4		1/4		1/4		1/4		1/4	4,880.12	1/4	4,522.64	1/4	4,163.66	1/4	3,804.34	1/4	3,445.01
1/2		1/2		1/2		1/2		1/2		1/2	4,872.70	1/2	4,515.17	1/2	4,156.17	1/2	3,796.85	1/2	3,437.53
3/4		3/4		3/4		3/4		3/4	5,144.24	3/4	4,865.27	3/4	4,507.71	3/4	4,148.69	3/4	3,789.36	3/4	3,430.04
3		3		3		3		3	5,142.70	3	4,857.85	3	4,500.25	3	4,141.20	3	3,781.88	3	3,422.55
1/4		1/4		1/4		1/4		1/4	5,141.15	1/4	4,850.43	1/4	4,492.78	1/4	4,133.72	1/4	3,774.39	1/4	3,415.07
1/2		1/2		1/2		1/2		1/2	5,139.61	1/2	4,843.00	1/2	4,485.32	1/2	4,126.23	1/2	3,766.91	1/2	3,407.58
3/4		3/4		3/4		3/4		3/4	5,138.07	3/4	4,835.58	3/4	4,477.85	3/4	4,118.74	3/4	3,759.42	3/4	3,400.10
4		4		4		4		4	5,135.45	4	4,828.15	4	4,470.39	4	4,111.26	4	3,751.93	4	3,392.61
1/4		1/4		1/4		1/4		1/4	5,132.84	1/4	4,820.73	1/4	4,462.92	1/4	4,103.77	1/4	3,744.45	1/4	3,385.12
1/2		1/2		1/2		1/2		1/2	5,130.23	1/2	4,813.30	1/2	4,455.46	1/2	4,096.29	1/2	3,736.96	1/2	3,377.64
3/4		3/4		3/4		3/4		3/4	5,127.61	3/4	4,805.88	3/4	4,448.00	3/4	4,088.80	3/4	3,729.48	3/4	3,370.15
5		5		5		5		5	5,123.93	5	4,798.45	5	4,440.53	5	4,081.31	5	3,721.99	5	3,362.67
1/4		1/4		1/4		1/4		1/4	5,120.25	1/4	4,791.03	1/4	4,433.07	1/4	4,073.83	1/4	3,714.50	1/4	3,355.18
1/2		1/2		1/2		1/2		1/2	5,116.56	1/2	4,783.61	1/2	4,425.60	1/2	4,066.34	1/2	3,707.02	1/2	3,347.70
3/4		3/4		3/4		3/4		3/4	5,112.88	3/4	4,776.18	3/4	4,418.14	3/4	4,058.86	3/4	3,699.53	3/4	3,340.21
6		6		6		6		6	5,108.13	6	4,768.76	6	4,410.66	6	4,051.37	6	3,692.05	6	3,332.72
1/4		1/4		1/4		1/4		1/4	5,103.37	1/4	4,761.33	1/4	4,403.19	1/4	4,043.88	1/4	3,684.56	1/4	3,325.24
1/2		1/2		1/2		1/2		1/2	5,098.62	1/2	4,753.91	1/2	4,395.71	1/2	4,036.40	1/2	3,677.08	1/2	3,317.75
3/4		3/4		3/4		3/4		3/4	5,093.87	3/4	4,746.48	3/4	4,388.24	3/4	4,028.91	3/4	3,669.59	3/4	3,310.27
7		7		7		7		7	5,088.04	7	4,739.04	7	4,380.75	7	4,021.43	7	3,662.10	7	3,302.78
1/4		1/4		1/4		1/4		1/4	5,082.22	1/4	4,731.60	1/4	4,373.26	1/4	4,013.94	1/4	3,654.62	1/4	3,295.29
1/2		1/2		1/2		1/2		1/2	5,076.40	1/2	4,724.15	1/2	4,365.78	1/2	4,006.45	1/2	3,647.13	1/2	3,287.81
3/4		3/4		3/4		3/4		3/4	5,070.57	3/4	4,716.71	3/4	4,358.29	3/4	3,998.97	3/4	3,639.65	3/4	3,280.32
8		8		8		8		8	5,063.75	8	4,709.24	8	4,350.81	8	3,991.48	8	3,632.16	8	3,272.84
1/4		1/4		1/4		1/4		1/4	5,056.92	1/4	4,701.78	1/4	4,343.32	1/4	3,984.00	1/4	3,624.67	1/4	3,265.35
1/2		1/2		1/2		1/2		1/2	5,050.09	1/2	4,694.32	1/2	4,335.83	1/2	3,976.51	1/2	3,617.19	1/2	3,257.86
3/4		3/4		3/4		3/4		3/4	5,043.27	3/4	4,686.85	3/4	4,328.35	3/4	3,969.03	3/4	3,609.70	3/4	3,250.38
9		9		9		9		9	5,035.90	9	4,679.39	9	4,320.86	9	3,961.54	9	3,602.22	9	3,242.89
1/4		1/4		1/4		1/4		1/4	5,028.54	1/4	4,671.92	1/4	4,313.38	1/4	3,954.05	1/4	3,594.73	1/4	3,235.41
1/2		1/2		1/2		1/2		1/2	5,021.18	1/2	4,664.46	1/2	4,305.89	1/2	3,946.57	1/2	3,587.24	1/2	3,227.92
3/4		3/4		3/4		3/4		3/4	5,013.82	3/4	4,656.99	3/4	4,298.40	3/4	3,939.08	3/4	3,579.76	3/4	3,220.44
10		10		10		10		10	5,006.39	10	4,649.53	10	4,290.92	10	3,931.60	10	3,572.27	10	3,212.95
1/4		1/4		1/4		1/4		1/4	4,998.96	1/4	4,642.07	1/4	4,283.43	1/4	3,924.11	1/4	3,564.79	1/4	3,205.46
1/2		1/2		1/2		1/2		1/2	4,991.53	1/2	4,634.60	1/2	4,275.95	1/2	3,916.62	1/2	3,557.30	1/2	3,197.98
3/4		3/4		3/4		3/4		3/4	4,984.10	3/4	4,627.14	3/4	4,268.46	3/4	3,909.14	3/4	3,549.81	3/4	3,190.49
11		11		11		11		11	4,976.68	11	4,619.67	11	4,260.98	11	3,901.65	11	3,542.33	11	3,183.01
1/4		1/4		1/4		1/4		1/4	4,969.25	1/4	4,612.21	1/4	4,253.49	1/4	3,894.17	1/4	3,534.84	1/4	3,175.52
1/2		1/2		1/2		1/2		1/2	4,961.82	1/2	4,604.74	1/2	4,246.00	1/2	3,886.68	1/2	3,527.36	1/2	3,168.03
3/4		3/4		3/4		3/4		3/4	4,954.39	3/4	4,597.28	3/4	4,238.52	3/4	3,879.19	3/4	3,519.87	3/4	3,160.55

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" DEVICE.

GAUGE POINT: (HERMETIC ON EXP. DOME) LOCATED 03'-00" OFF CENTERLINE AND 01'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "LACB - 117"

2 STBD

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 29245"

GAUGE HEIGHT 18'-10 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	3,153.06	0	2,793.64	0	2,434.12	0	2,074.60	0	1,715.08	0	1,355.56	0	996.23	0	636.99	0	277.48	0	
1/4	3,145.58	1/4	2,786.15	1/4	2,426.63	1/4	2,067.11	1/4	1,707.59	1/4	1,348.07	1/4	988.75	1/4	629.50	1/4	269.99	1/4	
1/2	3,138.09	1/2	2,778.66	1/2	2,419.14	1/2	2,059.62	1/2	1,700.10	1/2	1,340.58	1/2	981.27	1/2	622.01	1/2	262.50	1/2	
3/4	3,130.60	3/4	2,771.17	3/4	2,411.65	3/4	2,052.13	3/4	1,692.61	3/4	1,333.09	3/4	973.80	3/4	614.52	3/4	255.01	3/4	
1	3,123.12	1	2,763.68	1	2,404.16	1	2,044.64	1	1,685.12	1	1,325.60	1	966.32	1	607.03	1	247.52	1	
1/4	3,115.63	1/4	2,756.19	1/4	2,396.67	1/4	2,037.15	1/4	1,677.63	1/4	1,318.11	1/4	958.84	1/4	599.54	1/4	240.03	1/4	
1/2	3,108.15	1/2	2,748.70	1/2	2,389.18	1/2	2,029.66	1/2	1,670.14	1/2	1,310.62	1/2	951.37	1/2	592.05	1/2	232.54	1/2	
3/4	3,100.66	3/4	2,741.21	3/4	2,381.69	3/4	2,022.17	3/4	1,662.65	3/4	1,303.13	3/4	943.89	3/4	584.56	3/4	225.05	3/4	
2	3,093.17	2	2,733.72	2	2,374.20	2	2,014.68	2	1,655.16	2	1,295.64	2	936.41	2	577.07	2	217.57	2	
1/4	3,085.69	1/4	2,726.23	1/4	2,366.71	1/4	2,007.19	1/4	1,647.67	1/4	1,288.15	1/4	928.94	1/4	569.58	1/4	210.08	1/4	
1/2	3,078.20	1/2	2,718.74	1/2	2,359.22	1/2	1,999.70	1/2	1,640.18	1/2	1,280.66	1/2	921.46	1/2	562.09	1/2	202.59	1/2	
3/4	3,070.72	3/4	2,711.25	3/4	2,351.73	3/4	1,992.21	3/4	1,632.69	3/4	1,273.17	3/4	913.98	3/4	554.60	3/4	195.10	3/4	
3	3,063.23	3	2,703.76	3	2,344.24	3	1,984.72	3	1,625.20	3	1,265.68	3	906.50	3	547.11	3	187.61	3	
1/4	3,055.75	1/4	2,696.27	1/4	2,336.75	1/4	1,977.23	1/4	1,617.71	1/4	1,258.19	1/4	899.03	1/4	539.62	1/4	180.12	1/4	
1/2	3,048.26	1/2	2,688.78	1/2	2,329.26	1/2	1,969.74	1/2	1,610.22	1/2	1,250.70	1/2	891.55	1/2	532.13	1/2	172.63	1/2	
3/4	3,040.77	3/4	2,681.29	3/4	2,321.77	3/4	1,962.25	3/4	1,602.73	3/4	1,243.21	3/4	884.07	3/4	524.64	3/4	165.14	3/4	
4	3,033.29	4	2,673.80	4	2,314.28	4	1,954.76	4	1,595.24	4	1,235.72	4	876.60	4	517.15	4	157.65	4	
1/4	3,025.80	1/4	2,666.31	1/4	2,306.79	1/4	1,947.27	1/4	1,587.75	1/4	1,228.23	1/4	869.12	1/4	509.66	1/4	150.16	1/4	
1/2	3,018.32	1/2	2,658.82	1/2	2,299.30	1/2	1,939.78	1/2	1,580.26	1/2	1,220.74	1/2	861.64	1/2	502.17	1/2	142.67	1/2	
3/4	3,010.83	3/4	2,651.33	3/4	2,291.81	3/4	1,932.29	3/4	1,572.77	3/4	1,213.25	3/4	854.17	3/4	494.68	3/4	135.18	3/4	
5	3,003.35	5	2,643.84	5	2,284.32	5	1,924.80	5	1,565.28	5	1,205.76	5	846.68	5	487.19	5	127.69	5	
1/4	2,995.86	1/4	2,636.35	1/4	2,276.83	1/4	1,917.31	1/4	1,557.79	1/4	1,198.27	1/4	839.20	1/4	479.70	1/4	120.20	1/4	
1/2	2,988.38	1/2	2,628.86	1/2	2,269.34	1/2	1,909.82	1/2	1,550.30	1/2	1,190.78	1/2	831.71	1/2	472.21	1/2	112.71	1/2	
3/4	2,980.89	3/4	2,621.37	3/4	2,261.85	3/4	1,902.33	3/4	1,542.81	3/4	1,183.29	3/4	824.23	3/4	464.73	3/4	105.22	3/4	
6	2,973.40	6	2,613.88	6	2,254.36	6	1,894.84	6	1,535.32	6	1,175.80	6	816.74	6	457.24	6	97.73	6	
1/4	2,965.91	1/4	2,606.39	1/4	2,246.87	1/4	1,887.35	1/4	1,527.83	1/4	1,168.31	1/4	809.25	1/4	449.75	1/4	90.24	1/4	
1/2	2,958.42	1/2	2,598.90	1/2	2,239.38	1/2	1,879.86	1/2	1,520.34	1/2	1,160.82	1/2	801.76	1/2	442.26	1/2	82.75	1/2	
3/4	2,950.93	3/4	2,591.41	3/4	2,231.89	3/4	1,872.37	3/4	1,512.85	3/4	1,153.33	3/4	794.27	3/4	434.77	3/4	75.26	3/4	
7	2,943.44	7	2,583.92	7	2,224.40	7	1,864.88	7	1,505.36	7	1,145.84	7	786.78	7	427.28	7	68.24	7	
1/4	2,935.95	1/4	2,576.43	1/4	2,216.91	1/4	1,857.39	1/4	1,497.87	1/4	1,138.36	1/4	779.29	1/4	419.79	1/4	61.22	1/4	
1/2	2,928.46	1/2	2,568.94	1/2	2,209.42	1/2	1,849.90	1/2	1,490.38	1/2	1,130.87	1/2	771.80	1/2	412.30	1/2	54.20	1/2	
3/4	2,920.97	3/4	2,561.45	3/4	2,201.93	3/4	1,842.41	3/4	1,482.89	3/4	1,123.38	3/4	764.31	3/4	404.81	3/4	47.17	3/4	
8	2,913.48	8	2,553.96	8	2,194.44	8	1,834.92	8	1,475.40	8	1,115.90	8	756.82	8	397.32	8	41.56	8	
1/4	2,905.99	1/4	2,546.47	1/4	2,186.95	1/4	1,827.43	1/4	1,467.91	1/4	1,108.41	1/4	749.33	1/4	389.83	1/4	35.94	1/4	
1/2	2,898.50	1/2	2,538.98	1/2	2,179.46	1/2	1,819.94	1/2	1,460.42	1/2	1,100.93	1/2	741.84	1/2	382.34	1/2	30.32	1/2	
3/4	2,891.01	3/4	2,531.49	3/4	2,171.97	3/4	1,812.45	3/4	1,452.93	3/4	1,093.44	3/4	734.35	3/4	374.85	3/4	24.71	3/4	
9	2,883.52	9	2,524.00	9	2,164.48	9	1,804.96	9	1,445.44	9	1,085.96	9	726.86	9	367.36	9	20.96	9	
1/4	2,876.03	1/4	2,516.51	1/4	2,156.99	1/4	1,797.47	1/4	1,437.95	1/4	1,078.48	1/4	719.38	1/4	359.87	1/4	17.22	1/4	
1/2	2,868.54	1/2	2,509.02	1/2	2,149.50	1/2	1,789.98	1/2	1,430.46	1/2	1,071.00	1/2	711.89	1/2	352.38	1/2	13.47	1/2	
3/4	2,861.05	3/4	2,501.53	3/4	2,142.01	3/4	1,782.49	3/4	1,422.97	3/4	1,063.52	3/4	704.40	3/4	344.89	3/4	9.73	3/4	
10	2,853.56	10	2,494.04	10	2,134.52	10	1,775.00	10	1,415.48	10	1,056.04	10	696.91	10	337.40	10	7.85	10	
1/4	2,846.07	1/4	2,486.55	1/4	2,127.03	1/4	1,767.51	1/4	1,407.99	1/4	1,048.57	1/4	689.42	1/4	329.91	1/4	5.98	1/4	
1/2	2,838.58	1/2	2,479.06	1/2	2,119.54	1/2	1,760.02	1/2	1,400.50	1/2	1,041.09	1/2	681.93	1/2	322.42	1/2	4.11	1/2	
3/4	2,831.09	3/4	2,471.57	3/4	2,112.05	3/4	1,752.53	3/4	1,393.01	3/4	1,033.61	3/4	674.44	3/4	314.93	3/4	2.24	3/4	
11	2,823.60	11	2,464.08	11	2,104.56	11	1,745.04	11	1,385.52	11	1,026.14	11	666.95	11	307.44	11		11	
1/4	2,816.11	1/4	2,456.59	1/4	2,097.07	1/4	1,737.55	1/4	1,378.03	1/4	1,018.66	1/4	659.46	1/4	299.95	1/4		1/4	
1/2	2,808.62	1/2	2,449.10	1/2	2,089.58	1/2	1,730.06	1/2	1,370.54	1/2	1,011.18	1/2	651.97	1/2	292.46	1/2		1/2	
3/4	2,801.13	3/4	2,441.61	3/4	2,082.09	3/4	1,722.57	3/4	1,363.05	3/4	1,003.70	3/4	644.48	3/4	284.97	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/13/2013 CL
RECALCULATED: 05/15/2020 SW
NAME CHANGE: 08/24/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "LACB - 117"

3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 29245"

GAUGE HEIGHT 18'-10 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	4,488.78	0	4,242.74	0	3,995.61	0	3,748.12	0	3,468.84
1/4		1/4		1/4		1/4		1/4		1/4	4,483.66	1/4	4,237.60	1/4	3,990.45	1/4	3,742.97	1/4	3,461.42
1/2		1/2		1/2		1/2		1/2		1/2	4,478.54	1/2	4,232.46	1/2	3,985.30	1/2	3,737.81	1/2	3,454.01
3/4		3/4		3/4		3/4		3/4		3/4	4,473.43	3/4	4,227.32	3/4	3,980.14	3/4	3,732.66	3/4	3,446.60
1		1		1		1		1		1	4,468.31	1	4,222.18	1	3,974.98	1	3,727.50	1	3,439.18
1/4		1/4		1/4		1/4		1/4		1/4	4,463.20	1/4	4,217.04	1/4	3,969.83	1/4	3,722.34	1/4	3,431.77
1/2		1/2		1/2		1/2		1/2		1/2	4,458.08	1/2	4,211.90	1/2	3,964.67	1/2	3,717.19	1/2	3,424.35
3/4		3/4		3/4		3/4		3/4		3/4	4,452.97	3/4	4,206.75	3/4	3,959.52	3/4	3,712.03	3/4	3,416.94
2		2		2		2		2		2	4,447.85	2	4,201.61	2	3,954.36	2	3,706.88	2	3,409.52
1/4		1/4		1/4		1/4		1/4		1/4	4,442.74	1/4	4,196.47	1/4	3,949.20	1/4	3,701.72	1/4	3,402.11
1/2		1/2		1/2		1/2		1/2	4,612.56	1/2	4,437.63	1/2	4,191.33	1/2	3,944.05	1/2	3,696.56	1/2	3,394.69
3/4		3/4		3/4		3/4		3/4	4,612.23	3/4	4,432.51	3/4	4,186.19	3/4	3,938.89	3/4	3,691.41	3/4	3,387.28
3		3		3		3		3	4,611.90	3	4,427.40	3	4,181.05	3	3,933.74	3	3,686.25	3	3,379.86
1/4		1/4		1/4		1/4		1/4	4,611.19	1/4	4,422.28	1/4	4,175.91	1/4	3,928.58	1/4	3,681.10	1/4	3,372.45
1/2		1/2		1/2		1/2		1/2	4,610.48	1/2	4,417.17	1/2	4,170.76	1/2	3,923.42	1/2	3,675.94	1/2	3,365.03
3/4		3/4		3/4		3/4		3/4	4,609.76	3/4	4,412.06	3/4	4,165.62	3/4	3,918.27	3/4	3,670.79	3/4	3,357.62
4		4		4		4		4	4,609.05	4	4,406.94	4	4,160.48	4	3,913.11	4	3,665.63	4	3,350.20
1/4		1/4		1/4		1/4		1/4	4,608.34	1/4	4,401.83	1/4	4,155.34	1/4	3,907.96	1/4	3,660.47	1/4	3,342.79
1/2		1/2		1/2		1/2		1/2	4,607.63	1/2	4,396.71	1/2	4,150.20	1/2	3,902.80	1/2	3,655.32	1/2	3,335.37
3/4		3/4		3/4		3/4		3/4	4,606.25	3/4	4,391.60	3/4	4,145.06	3/4	3,897.64	3/4	3,650.16	3/4	3,327.96
5		5		5		5		5	4,604.86	5	4,386.49	5	4,139.92	5	3,892.49	5	3,645.01	5	3,320.54
1/4		1/4		1/4		1/4		1/4	4,603.48	1/4	4,381.37	1/4	4,134.77	1/4	3,887.33	1/4	3,639.85	1/4	3,313.13
1/2		1/2		1/2		1/2		1/2	4,602.09	1/2	4,376.26	1/2	4,129.63	1/2	3,882.18	1/2	3,634.69	1/2	3,305.71
3/4		3/4		3/4		3/4		3/4	4,599.64	3/4	4,371.14	3/4	4,124.48	3/4	3,877.02	3/4	3,629.54	3/4	3,298.30
6		6		6		6		6	4,597.19	6	4,366.03	6	4,119.33	6	3,871.87	6	3,624.38	6	3,290.88
1/4		1/4		1/4		1/4		1/4	4,594.73	1/4	4,360.92	1/4	4,114.19	1/4	3,866.71	1/4	3,619.23	1/4	3,283.47
1/2		1/2		1/2		1/2		1/2	4,592.28	1/2	4,355.80	1/2	4,109.04	1/2	3,861.55	1/2	3,614.07	1/2	3,276.05
3/4		3/4		3/4		3/4		3/4	4,588.77	3/4	4,350.67	3/4	4,103.88	3/4	3,856.40	3/4	3,608.91	3/4	3,268.63
7		7		7		7		7	4,585.25	7	4,345.55	7	4,098.72	7	3,851.24	7	3,603.76	7	3,261.20
1/4		1/4		1/4		1/4		1/4	4,581.73	1/4	4,340.42	1/4	4,093.57	1/4	3,846.09	1/4	3,598.60	1/4	3,253.78
1/2		1/2		1/2		1/2		1/2	4,578.21	1/2	4,335.29	1/2	4,088.41	1/2	3,840.93	1/2	3,593.45	1/2	3,246.35
3/4		3/4		3/4		3/4		3/4	4,573.69	3/4	4,330.15	3/4	4,083.26	3/4	3,835.77	3/4	3,587.72	3/4	3,238.91
8		8		8		8		8	4,569.18	8	4,325.01	8	4,078.10	8	3,830.62	8	3,581.98	8	3,231.48
1/4		1/4		1/4		1/4		1/4	4,564.66	1/4	4,319.87	1/4	4,072.95	1/4	3,825.46	1/4	3,576.25	1/4	3,224.04
1/2		1/2		1/2		1/2		1/2	4,560.14	1/2	4,314.72	1/2	4,067.79	1/2	3,820.31	1/2	3,570.52	1/2	3,216.61
3/4		3/4		3/4		3/4		3/4	4,555.09	3/4	4,309.58	3/4	4,062.63	3/4	3,815.15	3/4	3,563.66	3/4	3,209.17
9		9		9		9		9	4,550.04	9	4,304.44	9	4,057.48	9	3,809.99	9	3,556.79	9	3,201.74
1/4		1/4		1/4		1/4		1/4	4,544.99	1/4	4,299.30	1/4	4,052.32	1/4	3,804.84	1/4	3,549.92	1/4	3,194.30
1/2		1/2		1/2		1/2		1/2	4,539.94	1/2	4,294.16	1/2	4,047.17	1/2	3,799.68	1/2	3,543.06	1/2	3,186.87
3/4		3/4		3/4		3/4		3/4	4,534.83	3/4	4,289.02	3/4	4,042.01	3/4	3,794.53	3/4	3,535.63	3/4	3,179.43
10		10		10		10		10	4,529.71	10	4,283.88	10	4,036.85	10	3,789.37	10	3,528.20	10	3,171.99
1/4		1/4		1/4		1/4		1/4	4,524.59	1/4	4,278.73	1/4	4,031.70	1/4	3,784.22	1/4	3,520.78	1/4	3,164.56
1/2		1/2		1/2		1/2		1/2	4,519.48	1/2	4,273.59	1/2	4,026.54	1/2	3,779.06	1/2	3,513.35	1/2	3,157.12
3/4		3/4		3/4		3/4		3/4	4,514.36	3/4	4,268.45	3/4	4,021.39	3/4	3,773.90	3/4	3,505.93	3/4	3,149.69
11		11		11		11		11	4,509.24	11	4,263.31	11	4,016.23	11	3,768.75	11	3,498.51	11	3,142.25
1/4		1/4		1/4		1/4		1/4	4,504.13	1/4	4,258.17	1/4	4,011.07	1/4	3,763.59	1/4	3,491.09	1/4	3,134.82
1/2		1/2		1/2		1/2		1/2	4,499.01	1/2	4,253.03	1/2	4,005.92	1/2	3,758.44	1/2	3,483.67	1/2	3,127.38
3/4		3/4		3/4		3/4		3/4	4,493.89	3/4	4,247.89	3/4	4,000.76	3/4	3,753.28	3/4	3,476.25	3/4	3,119.94

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" DEVICE.

GAUGE POINT: (HERMETIC ON EXP. DOME) LOCATED 03'-00" OFF CENTERLINE AND 84'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "LACB - 117"

3 PORT

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 29245"

GAUGE HEIGHT 18'-10 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	3,112.51	0	2,755.52	0	2,398.74	0	2,043.89	0	1,687.75	0	1,330.36	0	979.19	0	626.29	0	268.73	0	
1/4	3,105.07	1/4	2,748.09	1/4	2,391.34	1/4	2,036.50	1/4	1,680.31	1/4	1,322.91	1/4	971.98	1/4	618.84	1/4	261.28	1/4	
1/2	3,097.64	1/2	2,740.65	1/2	2,383.93	1/2	2,029.12	1/2	1,672.86	1/2	1,315.47	1/2	964.76	1/2	611.39	1/2	253.83	1/2	
3/4	3,090.20	3/4	2,733.21	3/4	2,376.52	3/4	2,021.74	3/4	1,665.42	3/4	1,308.02	3/4	957.55	3/4	603.94	3/4	246.38	3/4	
1	3,082.77	1	2,725.77	1	2,369.11	1	2,014.35	1	1,657.97	1	1,300.58	1	950.33	1	596.49	1	238.94	1	
1/4	3,075.33	1/4	2,718.33	1/4	2,361.71	1/4	2,006.97	1/4	1,650.53	1/4	1,293.13	1/4	943.12	1/4	589.04	1/4	231.49	1/4	
1/2	3,067.90	1/2	2,710.89	1/2	2,354.30	1/2	1,999.59	1/2	1,643.08	1/2	1,285.69	1/2	935.90	1/2	581.59	1/2	224.04	1/2	
3/4	3,060.46	3/4	2,703.46	3/4	2,346.89	3/4	1,992.21	3/4	1,635.63	3/4	1,278.24	3/4	928.68	3/4	574.14	3/4	216.59	3/4	
2	3,053.02	2	2,696.02	2	2,339.49	2	1,984.82	2	1,628.19	2	1,270.79	2	921.47	2	566.69	2	209.14	2	
1/4	3,045.59	1/4	2,688.58	1/4	2,332.08	1/4	1,977.44	1/4	1,620.74	1/4	1,263.35	1/4	914.25	1/4	559.24	1/4	201.69	1/4	
1/2	3,038.15	1/2	2,681.14	1/2	2,324.67	1/2	1,970.06	1/2	1,613.30	1/2	1,255.90	1/2	907.04	1/2	551.79	1/2	194.24	1/2	
3/4	3,030.72	3/4	2,673.70	3/4	2,317.26	3/4	1,962.68	3/4	1,605.85	3/4	1,248.46	3/4	899.82	3/4	544.34	3/4	186.79	3/4	
3	3,023.28	3	2,666.26	3	2,309.86	3	1,955.29	3	1,598.41	3	1,241.01	3	892.61	3	536.89	3	179.34	3	
1/4	3,015.85	1/4	2,658.83	1/4	2,302.45	1/4	1,947.91	1/4	1,590.96	1/4	1,233.57	1/4	885.39	1/4	529.44	1/4	171.89	1/4	
1/2	3,008.41	1/2	2,651.39	1/2	2,295.04	1/2	1,940.53	1/2	1,583.51	1/2	1,226.12	1/2	878.18	1/2	521.99	1/2	164.44	1/2	
3/4	3,000.98	3/4	2,643.95	3/4	2,287.64	3/4	1,933.14	3/4	1,576.07	3/4	1,218.67	3/4	870.96	3/4	514.54	3/4	156.98	3/4	
4	2,993.54	4	2,636.51	4	2,280.23	4	1,925.76	4	1,568.62	4	1,211.23	4	863.74	4	507.09	4	149.53	4	
1/4	2,986.10	1/4	2,629.07	1/4	2,272.82	1/4	1,918.38	1/4	1,561.18	1/4	1,203.78	1/4	856.53	1/4	499.64	1/4	142.08	1/4	
1/2	2,978.67	1/2	2,621.63	1/2	2,265.41	1/2	1,911.00	1/2	1,553.73	1/2	1,196.34	1/2	849.31	1/2	492.19	1/2	134.63	1/2	
3/4	2,971.23	3/4	2,614.19	3/4	2,258.02	3/4	1,903.58	3/4	1,546.29	3/4	1,189.00	3/4	841.98	3/4	484.74	3/4	127.18	3/4	
5	2,963.79	5	2,606.75	5	2,250.63	5	1,896.17	5	1,538.84	5	1,181.66	5	834.65	5	477.29	5	119.72	5	
1/4	2,956.36	1/4	2,599.31	1/4	2,243.23	1/4	1,888.76	1/4	1,531.39	1/4	1,174.32	1/4	827.32	1/4	469.84	1/4	112.27	1/4	
1/2	2,948.92	1/2	2,591.87	1/2	2,235.84	1/2	1,881.34	1/2	1,523.95	1/2	1,166.98	1/2	819.98	1/2	462.39	1/2	104.82	1/2	
3/4	2,941.48	3/4	2,584.42	3/4	2,228.45	3/4	1,873.90	3/4	1,516.50	3/4	1,159.74	3/4	812.53	3/4	454.95	3/4	97.36	3/4	
6	2,934.04	6	2,576.97	6	2,221.07	6	1,866.45	6	1,509.06	6	1,152.51	6	805.08	6	447.50	6	89.90	6	
1/4	2,926.61	1/4	2,569.53	1/4	2,213.69	1/4	1,859.00	1/4	1,501.61	1/4	1,145.27	1/4	797.64	1/4	440.05	1/4	82.44	1/4	
1/2	2,919.17	1/2	2,562.08	1/2	2,206.30	1/2	1,851.56	1/2	1,494.17	1/2	1,138.04	1/2	790.19	1/2	432.60	1/2	74.98	1/2	
3/4	2,911.73	3/4	2,554.64	3/4	2,198.92	3/4	1,844.11	3/4	1,486.72	3/4	1,130.81	3/4	782.74	3/4	425.15	3/4	67.98	3/4	
7	2,904.29	7	2,547.19	7	2,191.54	7	1,836.67	7	1,479.27	7	1,123.58	7	775.29	7	417.70	7	60.99	7	
1/4	2,896.85	1/4	2,539.75	1/4	2,184.16	1/4	1,829.22	1/4	1,471.83	1/4	1,116.35	1/4	767.84	1/4	410.25	1/4	53.99	1/4	
1/2	2,889.41	1/2	2,532.30	1/2	2,176.77	1/2	1,821.78	1/2	1,464.38	1/2	1,109.12	1/2	760.39	1/2	402.81	1/2	47.00	1/2	
3/4	2,881.98	3/4	2,524.86	3/4	2,169.39	3/4	1,814.33	3/4	1,456.94	3/4	1,101.90	3/4	752.94	3/4	395.36	3/4	41.40	3/4	
8	2,874.54	8	2,517.41	8	2,162.01	8	1,806.88	8	1,449.49	8	1,094.67	8	745.49	8	387.91	8	35.81	8	
1/4	2,867.10	1/4	2,509.97	1/4	2,154.63	1/4	1,799.44	1/4	1,442.05	1/4	1,087.45	1/4	738.04	1/4	380.46	1/4	30.21	1/4	
1/2	2,859.66	1/2	2,502.52	1/2	2,147.24	1/2	1,791.99	1/2	1,434.60	1/2	1,080.23	1/2	730.59	1/2	373.01	1/2	24.61	1/2	
3/4	2,852.22	3/4	2,495.09	3/4	2,139.86	3/4	1,784.55	3/4	1,427.15	3/4	1,073.01	3/4	723.14	3/4	365.56	3/4	20.88	3/4	
9	2,844.78	9	2,487.67	9	2,132.48	9	1,777.10	9	1,419.71	9	1,065.79	9	715.69	9	358.11	9	17.15	9	
1/4	2,837.35	1/4	2,480.24	1/4	2,125.10	1/4	1,769.66	1/4	1,412.26	1/4	1,058.57	1/4	708.24	1/4	350.67	1/4	13.42	1/4	
1/2	2,829.91	1/2	2,472.81	1/2	2,117.71	1/2	1,762.21	1/2	1,404.82	1/2	1,051.35	1/2	700.79	1/2	343.22	1/2	9.69	1/2	
3/4	2,822.47	3/4	2,465.41	3/4	2,110.33	3/4	1,754.77	3/4	1,397.37	3/4	1,044.13	3/4	693.34	3/4	335.77	3/4	7.82	3/4	
10	2,815.03	10	2,458.00	10	2,102.95	10	1,747.32	10	1,389.93	10	1,036.92	10	685.89	10	328.32	10	5.96	10	
1/4	2,807.59	1/4	2,450.59	1/4	2,095.56	1/4	1,739.87	1/4	1,382.48	1/4	1,029.70	1/4	678.44	1/4	320.87	1/4	4.09	1/4	
1/2	2,800.15	1/2	2,443.19	1/2	2,088.18	1/2	1,732.43	1/2	1,375.03	1/2	1,022.49	1/2	670.99	1/2	313.42	1/2	2.23	1/2	
3/4	2,792.72	3/4	2,435.78	3/4	2,080.80	3/4	1,724.98	3/4	1,367.59	3/4	1,015.27	3/4	663.54	3/4	305.97	3/4		3/4	
11	2,785.28	11	2,428.37	11	2,073.42	11	1,717.54	11	1,360.14	11	1,008.05	11	656.09	11	298.53	11		11	
1/4	2,777.84	1/4	2,420.96	1/4	2,066.03	1/4	1,710.09	1/4	1,352.70	1/4	1,000.84	1/4	648.64	1/4	291.08	1/4		1/4	
1/2	2,770.40	1/2	2,413.56	1/2	2,058.65	1/2	1,702.65	1/2	1,345.25	1/2	993.62	1/2	641.19	1/2	283.63	1/2		1/2	
3/4	2,762.96	3/4	2,406.15	3/4	2,051.27	3/4	1,695.20	3/4	1,337.81	3/4	986.41	3/4	633.74	3/4	276.18	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/13/2013 CL
RECALCULATED: 05/15/2020 SW
NAME CHANGE: 08/24/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "LACB - 117"

3 STBD

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 29245"

GAUGE HEIGHT 18'-10 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		0	4,503.32	0	4,257.32	0	4,010.22	0	3,762.79	0	3,481.21
1/4		1/4		1/4		1/4		1/4		1/4	4,498.20	1/4	4,252.18	1/4	4,005.06	1/4	3,757.63	1/4	3,473.79
1/2		1/2		1/2		1/2		1/2		1/2	4,493.09	1/2	4,247.04	1/2	3,999.91	1/2	3,752.48	1/2	3,466.36
3/4		3/4		3/4		3/4		3/4		3/4	4,487.98	3/4	4,241.90	3/4	3,994.75	3/4	3,747.32	3/4	3,458.93
1		1		1		1		1		1	4,482.86	1	4,236.76	1	3,989.60	1	3,742.17	1	3,451.50
1/4		1/4		1/4		1/4		1/4		1/4	4,477.75	1/4	4,231.61	1/4	3,984.44	1/4	3,737.01	1/4	3,444.08
1/2		1/2		1/2		1/2		1/2		1/2	4,472.64	1/2	4,226.47	1/2	3,979.29	1/2	3,731.86	1/2	3,436.65
3/4		3/4		3/4		3/4		3/4		3/4	4,467.52	3/4	4,221.33	3/4	3,974.13	3/4	3,726.70	3/4	3,429.22
2		2		2		2		2		2	4,462.41	2	4,216.19	2	3,968.98	2	3,721.55	2	3,421.79
1/4		1/4		1/4		1/4		1/4	4,632.16	1/4	4,457.30	1/4	4,211.05	1/4	3,963.82	1/4	3,716.39	1/4	3,414.37
1/2		1/2		1/2		1/2		1/2	4,631.85	1/2	4,452.18	1/2	4,205.91	1/2	3,958.67	1/2	3,711.24	1/2	3,406.94
3/4		3/4		3/4		3/4		3/4	4,631.54	3/4	4,447.07	3/4	4,200.77	3/4	3,953.51	3/4	3,706.08	3/4	3,399.51
3		3		3		3		3	4,630.83	3	4,441.96	3	4,195.63	3	3,948.36	3	3,700.93	3	3,392.08
1/4		1/4		1/4		1/4		1/4	4,630.12	1/4	4,436.84	1/4	4,190.49	1/4	3,943.20	1/4	3,695.77	1/4	3,384.66
1/2		1/2		1/2		1/2		1/2	4,629.41	1/2	4,431.73	1/2	4,185.35	1/2	3,938.05	1/2	3,690.62	1/2	3,377.23
3/4		3/4		3/4		3/4		3/4	4,628.70	3/4	4,426.62	3/4	4,180.21	3/4	3,932.89	3/4	3,685.46	3/4	3,369.80
4		4		4		4		4	4,627.99	4	4,421.51	4	4,175.07	4	3,927.74	4	3,680.31	4	3,362.37
1/4		1/4		1/4		1/4		1/4	4,627.28	1/4	4,416.39	1/4	4,169.93	1/4	3,922.58	1/4	3,675.15	1/4	3,354.95
1/2		1/2		1/2		1/2		1/2	4,625.89	1/2	4,411.28	1/2	4,164.79	1/2	3,917.43	1/2	3,670.00	1/2	3,347.52
3/4		3/4		3/4		3/4		3/4	4,624.51	3/4	4,406.17	3/4	4,159.65	3/4	3,912.28	3/4	3,664.85	3/4	3,340.09
5		5		5		5		5	4,623.12	5	4,401.05	5	4,154.51	5	3,907.12	5	3,659.69	5	3,332.66
1/4		1/4		1/4		1/4		1/4	4,621.73	1/4	4,395.94	1/4	4,149.37	1/4	3,901.97	1/4	3,654.54	1/4	3,325.24
1/2		1/2		1/2		1/2		1/2	4,619.28	1/2	4,390.83	1/2	4,144.22	1/2	3,896.81	1/2	3,649.38	1/2	3,317.81
3/4		3/4		3/4		3/4		3/4	4,616.83	3/4	4,385.71	3/4	4,139.07	3/4	3,891.66	3/4	3,644.23	3/4	3,310.38
6		6		6		6		6	4,614.38	6	4,380.60	6	4,133.92	6	3,886.50	6	3,639.07	6	3,302.95
1/4		1/4		1/4		1/4		1/4	4,611.93	1/4	4,375.49	1/4	4,128.78	1/4	3,881.35	1/4	3,633.92	1/4	3,295.52
1/2		1/2		1/2		1/2		1/2	4,608.41	1/2	4,370.36	1/2	4,123.62	1/2	3,876.19	1/2	3,628.76	1/2	3,288.09
3/4		3/4		3/4		3/4		3/4	4,604.89	3/4	4,365.24	3/4	4,118.47	3/4	3,871.04	3/4	3,623.61	3/4	3,280.65
7		7		7		7		7	4,601.37	7	4,360.11	7	4,113.31	7	3,865.88	7	3,618.45	7	3,273.21
1/4		1/4		1/4		1/4		1/4	4,597.86	1/4	4,354.98	1/4	4,108.16	1/4	3,860.73	1/4	3,613.30	1/4	3,265.77
1/2		1/2		1/2		1/2		1/2	4,593.34	1/2	4,349.84	1/2	4,103.00	1/2	3,855.57	1/2	3,607.57	1/2	3,258.32
3/4		3/4		3/4		3/4		3/4	4,588.82	3/4	4,344.70	3/4	4,097.85	3/4	3,850.42	3/4	3,601.84	3/4	3,250.88
8		8		8		8		8	4,584.31	8	4,339.56	8	4,092.69	8	3,845.26	8	3,596.11	8	3,243.43
1/4		1/4		1/4		1/4		1/4	4,579.79	1/4	4,334.42	1/4	4,087.54	1/4	3,840.11	1/4	3,590.38	1/4	3,235.98
1/2		1/2		1/2		1/2		1/2	4,574.74	1/2	4,329.28	1/2	4,082.38	1/2	3,834.95	1/2	3,583.51	1/2	3,228.53
3/4		3/4		3/4		3/4		3/4	4,569.69	3/4	4,324.14	3/4	4,077.23	3/4	3,829.80	3/4	3,576.65	3/4	3,221.08
9		9		9		9		9	4,564.64	9	4,319.00	9	4,072.07	9	3,824.64	9	3,569.78	9	3,213.63
1/4		1/4		1/4		1/4		1/4	4,559.59	1/4	4,313.86	1/4	4,066.92	1/4	3,819.49	1/4	3,562.92	1/4	3,206.19
1/2		1/2		1/2		1/2		1/2	4,554.48	1/2	4,308.72	1/2	4,061.76	1/2	3,814.33	1/2	3,555.49	1/2	3,198.74
3/4		3/4		3/4		3/4		3/4	4,549.36	3/4	4,303.58	3/4	4,056.61	3/4	3,809.18	3/4	3,548.06	3/4	3,191.29
10		10		10		10		10	4,544.25	10	4,298.44	10	4,051.45	10	3,804.02	10	3,540.64	10	3,183.84
1/4		1/4		1/4		1/4		1/4	4,539.13	1/4	4,293.30	1/4	4,046.30	1/4	3,798.87	1/4	3,533.21	1/4	3,176.39
1/2		1/2		1/2		1/2		1/2	4,534.01	1/2	4,288.16	1/2	4,041.15	1/2	3,793.71	1/2	3,525.78	1/2	3,168.94
3/4		3/4		3/4		3/4		3/4	4,528.90	3/4	4,283.02	3/4	4,035.99	3/4	3,788.56	3/4	3,518.35	3/4	3,161.50
11		11		11		11		11	4,523.78	11	4,277.88	11	4,030.84	11	3,783.41	11	3,510.93	11	3,154.05
1/4		1/4		1/4		1/4		1/4	4,518.67	1/4	4,272.74	1/4	4,025.68	1/4	3,778.25	1/4	3,503.50	1/4	3,146.60
1/2		1/2		1/2		1/2		1/2	4,513.55	1/2	4,267.60	1/2	4,020.53	1/2	3,773.10	1/2	3,496.07	1/2	3,139.15
3/4		3/4		3/4		3/4		3/4	4,508.44	3/4	4,262.46	3/4	4,015.37	3/4	3,767.94	3/4	3,488.64	3/4	3,131.70

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" DEVICE.

GAUGE POINT: (HERMETIC ON EXP. DOME) LOCATED 03'-00" OFF CENTERLINE AND 84'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "LACB - 117"

3 STBD

ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 29245"

GAUGE HEIGHT 18'-10 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	3,124.25	0	2,766.66	0	2,408.79	0	2,050.80	0	1,692.80	0	1,334.81	0	977.08	0	619.38	0	261.39	0	
1/4	3,116.81	1/4	2,759.21	1/4	2,401.33	1/4	2,043.34	1/4	1,685.35	1/4	1,327.35	1/4	969.63	1/4	611.92	1/4	253.93	1/4	
1/2	3,109.36	1/2	2,751.76	1/2	2,393.87	1/2	2,035.88	1/2	1,677.89	1/2	1,319.89	1/2	962.19	1/2	604.46	1/2	246.48	1/2	
3/4	3,101.91	3/4	2,744.31	3/4	2,386.42	3/4	2,028.42	3/4	1,670.43	3/4	1,312.44	3/4	954.75	3/4	597.00	3/4	239.02	3/4	
1	3,094.46	1	2,736.85	1	2,378.96	1	2,020.96	1	1,662.97	1	1,304.98	1	947.31	1	589.54	1	231.56	1	
1/4	3,087.01	1/4	2,729.40	1/4	2,371.50	1/4	2,013.51	1/4	1,655.51	1/4	1,297.52	1/4	939.86	1/4	582.09	1/4	224.10	1/4	
1/2	3,079.56	1/2	2,721.95	1/2	2,364.04	1/2	2,006.05	1/2	1,648.05	1/2	1,290.06	1/2	932.42	1/2	574.63	1/2	216.64	1/2	
3/4	3,072.12	3/4	2,714.50	3/4	2,356.58	3/4	1,998.59	3/4	1,640.60	3/4	1,282.60	3/4	924.98	3/4	567.17	3/4	209.19	3/4	
2	3,064.67	2	2,707.05	2	2,349.13	2	1,991.13	2	1,633.14	2	1,275.14	2	917.53	2	559.71	2	201.73	2	
1/4	3,057.22	1/4	2,699.60	1/4	2,341.67	1/4	1,983.67	1/4	1,625.68	1/4	1,267.69	1/4	910.09	1/4	552.25	1/4	194.27	1/4	
1/2	3,049.77	1/2	2,692.15	1/2	2,334.21	1/2	1,976.22	1/2	1,618.22	1/2	1,260.23	1/2	902.65	1/2	544.80	1/2	186.81	1/2	
3/4	3,042.32	3/4	2,684.70	3/4	2,326.75	3/4	1,968.76	3/4	1,610.76	3/4	1,252.77	3/4	895.20	3/4	537.34	3/4	179.35	3/4	
3	3,034.87	3	2,677.25	3	2,319.29	3	1,961.30	3	1,603.31	3	1,245.31	3	887.76	3	529.88	3	171.90	3	
1/4	3,027.43	1/4	2,669.80	1/4	2,311.83	1/4	1,953.84	1/4	1,595.85	1/4	1,237.85	1/4	880.32	1/4	522.42	1/4	164.44	1/4	
1/2	3,019.98	1/2	2,662.34	1/2	2,304.38	1/2	1,946.38	1/2	1,588.39	1/2	1,230.40	1/2	872.88	1/2	514.96	1/2	156.98	1/2	
3/4	3,012.53	3/4	2,654.89	3/4	2,296.92	3/4	1,938.92	3/4	1,580.93	3/4	1,222.94	3/4	865.43	3/4	507.51	3/4	149.52	3/4	
4	3,005.08	4	2,647.44	4	2,289.46	4	1,931.47	4	1,573.47	4	1,215.48	4	857.99	4	500.05	4	142.06	4	
1/4	2,997.63	1/4	2,639.99	1/4	2,282.00	1/4	1,924.01	1/4	1,566.01	1/4	1,208.02	1/4	850.55	1/4	492.59	1/4	134.61	1/4	
1/2	2,990.18	1/2	2,632.53	1/2	2,274.54	1/2	1,916.55	1/2	1,558.56	1/2	1,200.56	1/2	843.10	1/2	485.13	1/2	127.15	1/2	
3/4	2,982.73	3/4	2,625.08	3/4	2,267.09	3/4	1,909.09	3/4	1,551.10	3/4	1,193.10	3/4	835.64	3/4	477.67	3/4	119.69	3/4	
5	2,975.28	5	2,617.62	5	2,259.63	5	1,901.63	5	1,543.64	5	1,185.65	5	828.19	5	470.22	5	112.23	5	
1/4	2,967.84	1/4	2,610.16	1/4	2,252.17	1/4	1,894.18	1/4	1,536.18	1/4	1,178.19	1/4	820.74	1/4	462.76	1/4	104.77	1/4	
1/2	2,960.38	1/2	2,602.70	1/2	2,244.71	1/2	1,886.72	1/2	1,528.72	1/2	1,170.73	1/2	813.28	1/2	455.30	1/2	97.32	1/2	
3/4	2,952.93	3/4	2,595.25	3/4	2,237.25	3/4	1,879.26	3/4	1,521.26	3/4	1,163.27	3/4	805.83	3/4	447.84	3/4	89.86	3/4	
6	2,945.48	6	2,587.79	6	2,229.79	6	1,871.80	6	1,513.81	6	1,155.81	6	798.37	6	440.38	6	82.40	6	
1/4	2,938.03	1/4	2,580.33	1/4	2,222.34	1/4	1,864.34	1/4	1,506.35	1/4	1,148.35	1/4	790.91	1/4	432.93	1/4	74.94	1/4	
1/2	2,930.58	1/2	2,572.87	1/2	2,214.88	1/2	1,856.88	1/2	1,498.89	1/2	1,140.90	1/2	783.45	1/2	425.47	1/2	67.95	1/2	
3/4	2,923.13	3/4	2,565.41	3/4	2,207.42	3/4	1,849.43	3/4	1,491.43	3/4	1,133.45	3/4	775.99	3/4	418.01	3/4	60.96	3/4	
7	2,915.68	7	2,557.95	7	2,199.96	7	1,841.97	7	1,483.97	7	1,125.99	7	768.54	7	410.55	7	53.97	7	
1/4	2,908.23	1/4	2,550.50	1/4	2,192.50	1/4	1,834.51	1/4	1,476.52	1/4	1,118.54	1/4	761.08	1/4	403.09	1/4	46.97	1/4	
1/2	2,900.78	1/2	2,543.04	1/2	2,185.04	1/2	1,827.05	1/2	1,469.06	1/2	1,111.09	1/2	753.62	1/2	395.64	1/2	41.38	1/2	
3/4	2,893.33	3/4	2,535.58	3/4	2,177.59	3/4	1,819.59	3/4	1,461.60	3/4	1,103.64	3/4	746.16	3/4	388.18	3/4	35.79	3/4	
8	2,885.87	8	2,528.12	8	2,170.13	8	1,812.13	8	1,454.14	8	1,096.19	8	738.70	8	380.72	8	30.19	8	
1/4	2,878.42	1/4	2,520.66	1/4	2,162.67	1/4	1,804.68	1/4	1,446.68	1/4	1,088.74	1/4	731.25	1/4	373.26	1/4	24.60	1/4	
1/2	2,870.97	1/2	2,513.21	1/2	2,155.21	1/2	1,797.22	1/2	1,439.22	1/2	1,081.29	1/2	723.79	1/2	365.80	1/2	20.87	1/2	
3/4	2,863.52	3/4	2,505.75	3/4	2,147.75	3/4	1,789.76	3/4	1,431.77	3/4	1,073.84	3/4	716.33	3/4	358.35	3/4	17.14	3/4	
9	2,856.07	9	2,498.29	9	2,140.30	9	1,782.30	9	1,424.31	9	1,066.40	9	708.87	9	350.89	9	13.41	9	
1/4	2,848.62	1/4	2,490.83	1/4	2,132.84	1/4	1,774.84	1/4	1,416.85	1/4	1,058.95	1/4	701.41	1/4	343.43	1/4	9.69	1/4	
1/2	2,841.17	1/2	2,483.37	1/2	2,125.38	1/2	1,767.39	1/2	1,409.39	1/2	1,051.51	1/2	693.96	1/2	335.97	1/2	7.82	1/2	
3/4	2,833.72	3/4	2,475.91	3/4	2,117.92	3/4	1,759.93	3/4	1,401.93	3/4	1,044.06	3/4	686.50	3/4	328.51	3/4	5.96	3/4	
10	2,826.27	10	2,468.46	10	2,110.46	10	1,752.47	10	1,394.48	10	1,036.62	10	679.04	10	321.06	10	4.09	10	
1/4	2,818.82	1/4	2,461.00	1/4	2,103.00	1/4	1,745.01	1/4	1,387.02	1/4	1,029.18	1/4	671.58	1/4	313.60	1/4	2.23	1/4	
1/2	2,811.36	1/2	2,453.54	1/2	2,095.55	1/2	1,737.55	1/2	1,379.56	1/2	1,021.74	1/2	664.12	1/2	306.14	1/2		1/2	
3/4	2,803.91	3/4	2,446.08	3/4	2,088.09	3/4	1,730.09	3/4	1,372.10	3/4	1,014.29	3/4	656.67	3/4	298.68	3/4		3/4	
11	2,796.46	11	2,438.62	11	2,080.63	11	1,722.64	11	1,364.64	11	1,006.85	11	649.21	11	291.22	11		11	
1/4	2,789.01	1/4	2,431.17	1/4	2,073.17	1/4	1,715.18	1/4	1,357.18	1/4	999.41	1/4	641.75	1/4	283.77	1/4		1/4	
1/2	2,781.56	1/2	2,423.71	1/2	2,065.71	1/2	1,707.72	1/2	1,349.73	1/2	991.96	1/2	634.29	1/2	276.31	1/2		1/2	
3/4	2,774.11	3/4	2,416.25	3/4	2,058.26	3/4	1,700.26	3/4	1,342.27	3/4	984.52	3/4	626.83	3/4	268.85	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/13/2013 CL
RECALCULATED: 05/15/2020 SW
NAME CHANGE: 08/24/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "LACB - 117"

FWD SLOP TANK

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "KIRBY 29245"

GAUGE HEIGHT 5'-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	449	0	898	0	1,347	0	1,795	0		0		0		0		0	
1/4	9	1/4	458	1/4	907	1/4	1,356	1/4	1,805	1/4		1/4		1/4		1/4		1/4	
1/2	19	1/2	468	1/2	917	1/2	1,365	1/2	1,814	1/2		1/2		1/2		1/2		1/2	
3/4	28	3/4	477	3/4	926	3/4	1,375	3/4	1,824	3/4		3/4		3/4		3/4		3/4	
1	37	1	486	1	935	1	1,384	1	1,833	1		1		1		1		1	
1/4	47	1/4	496	1/4	945	1/4	1,393	1/4	1,842	1/4		1/4		1/4		1/4		1/4	
1/2	56	1/2	505	1/2	954	1/2	1,403	1/2	1,852	1/2		1/2		1/2		1/2		1/2	
3/4	65	3/4	514	3/4	963	3/4	1,412	3/4	1,861	3/4		3/4		3/4		3/4		3/4	
2	75	2	524	2	973	2	1,421	2	1,870	2		2		2		2		2	
1/4	84	1/4	533	1/4	982	1/4	1,431	1/4	1,880	1/4		1/4		1/4		1/4		1/4	
1/2	94	1/2	542	1/2	991	1/2	1,440	1/2	1,889	1/2		1/2		1/2		1/2		1/2	
3/4	103	3/4	552	3/4	1,001	3/4	1,450	3/4	1,898	3/4		3/4		3/4		3/4		3/4	
3	112	3	561	3	1,010	3	1,459	3	1,908	3		3		3		3		3	
1/4	122	1/4	571	1/4	1,019	1/4	1,468	1/4	1,917	1/4		1/4		1/4		1/4		1/4	
1/2	131	1/2	580	1/2	1,029	1/2	1,478	1/2	1,926	1/2		1/2		1/2		1/2		1/2	
3/4	140	3/4	589	3/4	1,038	3/4	1,487	3/4	1,936	3/4		3/4		3/4		3/4		3/4	
4	150	4	599	4	1,047	4	1,496	4	1,945	4		4		4		4		4	
1/4	159	1/4	608	1/4	1,057	1/4	1,506	1/4	1,954	1/4		1/4		1/4		1/4		1/4	
1/2	168	1/2	617	1/2	1,066	1/2	1,515	1/2	1,964	1/2		1/2		1/2		1/2		1/2	
3/4	178	3/4	627	3/4	1,075	3/4	1,524	3/4	1,973	3/4		3/4		3/4		3/4		3/4	
5	187	5	636	5	1,085	5	1,534	5	1,982	5		5		5		5		5	
1/4	197	1/4	645	1/4	1,094	1/4	1,543	1/4	1,992	1/4		1/4		1/4		1/4		1/4	
1/2	206	1/2	655	1/2	1,104	1/2	1,552	1/2	2,001	1/2		1/2		1/2		1/2		1/2	
3/4	215	3/4	664	3/4	1,113	3/4	1,562	3/4	2,011	3/4		3/4		3/4		3/4		3/4	
6	225	6	673	6	1,122	6	1,571	6	2,020	6		6		6		6		6	
1/4	234	1/4	683	1/4	1,132	1/4	1,580	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	243	1/2	692	1/2	1,141	1/2	1,590	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	253	3/4	701	3/4	1,150	3/4	1,599	3/4		3/4		3/4		3/4		3/4		3/4	
7	262	7	711	7	1,160	7	1,608	7		7		7		7		7		7	
1/4	271	1/4	720	1/4	1,169	1/4	1,618	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	281	1/2	730	1/2	1,178	1/2	1,627	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	290	3/4	739	3/4	1,188	3/4	1,637	3/4		3/4		3/4		3/4		3/4		3/4	
8	299	8	748	8	1,197	8	1,646	8		8		8		8		8		8	
1/4	309	1/4	758	1/4	1,206	1/4	1,655	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	318	1/2	767	1/2	1,216	1/2	1,665	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	327	3/4	776	3/4	1,225	3/4	1,674	3/4		3/4		3/4		3/4		3/4		3/4	
9	337	9	786	9	1,234	9	1,683	9		9		9		9		9		9	
1/4	346	1/4	795	1/4	1,244	1/4	1,693	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	355	1/2	804	1/2	1,253	1/2	1,702	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	365	3/4	814	3/4	1,262	3/4	1,711	3/4		3/4		3/4		3/4		3/4		3/4	
10	374	10	823	10	1,272	10	1,721	10		10		10		10		10		10	
1/4	384	1/4	832	1/4	1,281	1/4	1,730	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	393	1/2	842	1/2	1,291	1/2	1,739	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	402	3/4	851	3/4	1,300	3/4	1,749	3/4		3/4		3/4		3/4		3/4		3/4	
11	412	11	860	11	1,309	11	1,758	11		11		11		11		11		11	
1/4	421	1/4	870	1/4	1,319	1/4	1,767	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	430	1/2	879	1/2	1,328	1/2	1,777	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	440	3/4	888	3/4	1,337	3/4	1,786	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 AT GAUGE POINT.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

STRAPPED: 08/16/2013 CL
CALCULATED: 08/16/2013 CL
NAME CHANGE: 08/24/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "LACB - 117"

AFT SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "KIRBY 29245"

GAUGE HEIGHT 5'-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	449	0	898	0	1,347	0	1,795	0		0		0		0		0	
1/4	9	1/4	458	1/4	907	1/4	1,356	1/4	1,805	1/4		1/4		1/4		1/4		1/4	
1/2	19	1/2	468	1/2	917	1/2	1,365	1/2	1,814	1/2		1/2		1/2		1/2		1/2	
3/4	28	3/4	477	3/4	926	3/4	1,375	3/4	1,824	3/4		3/4		3/4		3/4		3/4	
1	37	1	486	1	935	1	1,384	1	1,833	1		1		1		1		1	
1/4	47	1/4	496	1/4	945	1/4	1,393	1/4	1,842	1/4		1/4		1/4		1/4		1/4	
1/2	56	1/2	505	1/2	954	1/2	1,403	1/2	1,852	1/2		1/2		1/2		1/2		1/2	
3/4	65	3/4	514	3/4	963	3/4	1,412	3/4	1,861	3/4		3/4		3/4		3/4		3/4	
2	75	2	524	2	973	2	1,421	2	1,870	2		2		2		2		2	
1/4	84	1/4	533	1/4	982	1/4	1,431	1/4	1,880	1/4		1/4		1/4		1/4		1/4	
1/2	94	1/2	542	1/2	991	1/2	1,440	1/2	1,889	1/2		1/2		1/2		1/2		1/2	
3/4	103	3/4	552	3/4	1,001	3/4	1,450	3/4	1,898	3/4		3/4		3/4		3/4		3/4	
3	112	3	561	3	1,010	3	1,459	3	1,908	3		3		3		3		3	
1/4	122	1/4	571	1/4	1,019	1/4	1,468	1/4	1,917	1/4		1/4		1/4		1/4		1/4	
1/2	131	1/2	580	1/2	1,029	1/2	1,478	1/2	1,926	1/2		1/2		1/2		1/2		1/2	
3/4	140	3/4	589	3/4	1,038	3/4	1,487	3/4	1,936	3/4		3/4		3/4		3/4		3/4	
4	150	4	599	4	1,047	4	1,496	4	1,945	4		4		4		4		4	
1/4	159	1/4	608	1/4	1,057	1/4	1,506	1/4	1,954	1/4		1/4		1/4		1/4		1/4	
1/2	168	1/2	617	1/2	1,066	1/2	1,515	1/2	1,964	1/2		1/2		1/2		1/2		1/2	
3/4	178	3/4	627	3/4	1,075	3/4	1,524	3/4	1,973	3/4		3/4		3/4		3/4		3/4	
5	187	5	636	5	1,085	5	1,534	5	1,982	5		5		5		5		5	
1/4	197	1/4	645	1/4	1,094	1/4	1,543	1/4	1,992	1/4		1/4		1/4		1/4		1/4	
1/2	206	1/2	655	1/2	1,104	1/2	1,552	1/2	2,001	1/2		1/2		1/2		1/2		1/2	
3/4	215	3/4	664	3/4	1,113	3/4	1,562	3/4	2,011	3/4		3/4		3/4		3/4		3/4	
6	225	6	673	6	1,122	6	1,571	6	2,020	6		6		6		6		6	
1/4	234	1/4	683	1/4	1,132	1/4	1,580	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	243	1/2	692	1/2	1,141	1/2	1,590	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	253	3/4	701	3/4	1,150	3/4	1,599	3/4		3/4		3/4		3/4		3/4		3/4	
7	262	7	711	7	1,160	7	1,608	7		7		7		7		7		7	
1/4	271	1/4	720	1/4	1,169	1/4	1,618	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	281	1/2	730	1/2	1,178	1/2	1,627	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	290	3/4	739	3/4	1,188	3/4	1,637	3/4		3/4		3/4		3/4		3/4		3/4	
8	299	8	748	8	1,197	8	1,646	8		8		8		8		8		8	
1/4	309	1/4	758	1/4	1,206	1/4	1,655	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	318	1/2	767	1/2	1,216	1/2	1,665	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	327	3/4	776	3/4	1,225	3/4	1,674	3/4		3/4		3/4		3/4		3/4		3/4	
9	337	9	786	9	1,234	9	1,683	9		9		9		9		9		9	
1/4	346	1/4	795	1/4	1,244	1/4	1,693	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	355	1/2	804	1/2	1,253	1/2	1,702	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	365	3/4	814	3/4	1,262	3/4	1,711	3/4		3/4		3/4		3/4		3/4		3/4	
10	374	10	823	10	1,272	10	1,721	10		10		10		10		10		10	
1/4	384	1/4	832	1/4	1,281	1/4	1,730	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	393	1/2	842	1/2	1,291	1/2	1,739	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	402	3/4	851	3/4	1,300	3/4	1,749	3/4		3/4		3/4		3/4		3/4		3/4	
11	412	11	860	11	1,309	11	1,758	11		11		11		11		11		11	
1/4	421	1/4	870	1/4	1,319	1/4	1,767	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	430	1/2	879	1/2	1,328	1/2	1,777	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	440	3/4	888	3/4	1,337	3/4	1,786	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 AT GAUGE POINT.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.

STRAPPED: 08/16/2013 CL
CALCULATED: 08/16/2013 CL
NAME CHANGE: 08/24/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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