



BARGE "KIRBY 29117"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-3/8	- 00-3/8	00-5/8	- 00-5/8	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-5/8	- 01-5/8	01-7/8	- 01-7/8
1 STBD	00-3/8	- 00-3/8	00-5/8	- 00-5/8	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-5/8	- 01-5/8	01-7/8	- 01-7/8
2 PORT	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-0/8	- 02-0/8	02-1/2	- 02-1/2
2 STBD	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-0/8	- 02-0/8	02-1/2	- 02-1/2
3 PORT	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-1/2	- 01-1/2	02-0/8	- 02-0/8	02-3/8	- 02-3/8
3 STBD	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-1/2	- 01-1/2	02-0/8	- 02-0/8	02-3/8	- 02-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-5/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 3/8"

LENGTH BETWEEN DRAFT MARKS: 261'-00"

September 19, 2014

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29117"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,437.76	0	2,060.50	0	1,683.24	0	1,307.22	0	930.87	0	553.62	0	202.31	0		0		0	
1/4	2,429.90	1/4	2,052.64	1/4	1,675.38	1/4	1,299.41	1/4	923.02	1/4	545.77	1/4	195.69	1/4		1/4		1/4	
1/2	2,422.04	1/2	2,044.78	1/2	1,667.52	1/2	1,291.60	1/2	915.16	1/2	537.93	1/2	189.07	1/2		1/2		1/2	
3/4	2,414.18	3/4	2,036.92	3/4	1,659.66	3/4	1,283.78	3/4	907.30	3/4	530.08	3/4	182.46	3/4		3/4		3/4	
1	2,406.32	1	2,029.06	1	1,651.80	1	1,275.97	1	899.44	1	522.23	1	175.84	1		1		1	
1/4	2,398.46	1/4	2,021.20	1/4	1,643.94	1/4	1,268.16	1/4	891.58	1/4	514.43	1/4	169.33	1/4		1/4		1/4	
1/2	2,390.60	1/2	2,013.34	1/2	1,636.08	1/2	1,260.35	1/2	883.72	1/2	506.62	1/2	162.83	1/2		1/2		1/2	
3/4	2,382.74	3/4	2,005.48	3/4	1,628.22	3/4	1,252.54	3/4	875.86	3/4	498.82	3/4	156.32	3/4		3/4		3/4	
2	2,374.88	2	1,997.62	2	1,620.36	2	1,244.73	2	868.00	2	491.02	2	149.82	2		2		2	
1/4	2,367.02	1/4	1,989.76	1/4	1,612.50	1/4	1,236.92	1/4	860.14	1/4	483.31	1/4	143.43	1/4		1/4		1/4	
1/2	2,359.16	1/2	1,981.90	1/2	1,604.64	1/2	1,229.11	1/2	852.28	1/2	475.60	1/2	137.04	1/2		1/2		1/2	
3/4	2,351.30	3/4	1,974.04	3/4	1,596.78	3/4	1,221.30	3/4	844.42	3/4	467.89	3/4	130.65	3/4		3/4		3/4	
3	2,343.44	3	1,966.18	3	1,588.92	3	1,213.49	3	836.56	3	460.18	3	124.25	3		3		3	
1/4	2,335.58	1/4	1,958.32	1/4	1,581.06	1/4	1,205.68	1/4	828.70	1/4	452.58	1/4	117.99	1/4		1/4		1/4	
1/2	2,327.72	1/2	1,950.46	1/2	1,573.20	1/2	1,197.87	1/2	820.84	1/2	444.98	1/2	111.72	1/2		1/2		1/2	
3/4	2,319.86	3/4	1,942.60	3/4	1,565.34	3/4	1,190.06	3/4	812.98	3/4	437.38	3/4	105.45	3/4		3/4		3/4	
4	2,312.00	4	1,934.74	4	1,557.48	4	1,182.25	4	805.12	4	429.78	4	99.18	4		4		4	
1/4	2,304.14	1/4	1,926.88	1/4	1,549.63	1/4	1,174.42	1/4	797.27	1/4	422.29	1/4	93.04	1/4		1/4		1/4	
1/2	2,296.28	1/2	1,919.02	1/2	1,541.79	1/2	1,166.59	1/2	789.41	1/2	414.80	1/2	86.90	1/2		1/2		1/2	
3/4	2,288.43	3/4	1,911.16	3/4	1,533.94	3/4	1,158.77	3/4	781.55	3/4	407.31	3/4	80.76	3/4		3/4		3/4	
5	2,280.57	5	1,903.30	5	1,526.09	5	1,150.94	5	773.69	5	399.82	5	74.62	5		5		5	
1/4	2,272.71	1/4	1,895.45	1/4	1,518.26	1/4	1,143.08	1/4	765.83	1/4	392.44	1/4	68.62	1/4		1/4		1/4	
1/2	2,264.85	1/2	1,887.59	1/2	1,510.43	1/2	1,135.22	1/2	757.97	1/2	385.06	1/2	62.62	1/2		1/2		1/2	
3/4	2,256.99	3/4	1,879.73	3/4	1,502.60	3/4	1,127.36	3/4	750.11	3/4	377.68	3/4	56.62	3/4		3/4		3/4	
6	2,249.13	6	1,871.87	6	1,494.77	6	1,119.50	6	742.25	6	370.29	6	50.62	6		6		6	
1/4	2,241.27	1/4	1,864.01	1/4	1,486.94	1/4	1,111.64	1/4	734.39	1/4	363.02	1/4	45.21	1/4		1/4		1/4	
1/2	2,233.41	1/2	1,856.15	1/2	1,479.12	1/2	1,103.78	1/2	726.53	1/2	355.75	1/2	39.81	1/2		1/2		1/2	
3/4	2,225.55	3/4	1,848.29	3/4	1,471.29	3/4	1,095.92	3/4	718.67	3/4	348.48	3/4	34.40	3/4		3/4		3/4	
7	2,217.69	7	1,840.43	7	1,463.47	7	1,088.06	7	710.81	7	341.20	7	28.99	7		7		7	
1/4	2,209.83	1/4	1,832.57	1/4	1,455.65	1/4	1,080.20	1/4	702.95	1/4	334.04	1/4	25.03	1/4		1/4		1/4	
1/2	2,201.97	1/2	1,824.71	1/2	1,447.83	1/2	1,072.34	1/2	695.09	1/2	326.88	1/2	21.08	1/2		1/2		1/2	
3/4	2,194.11	3/4	1,816.85	3/4	1,440.01	3/4	1,064.48	3/4	687.23	3/4	319.71	3/4	17.12	3/4		3/4		3/4	
8	2,186.25	8	1,808.99	8	1,432.20	8	1,056.63	8	679.37	8	312.55	8	13.16	8		8		8	
1/4	2,178.39	1/4	1,801.13	1/4	1,424.38	1/4	1,048.77	1/4	671.51	1/4	305.50	1/4		1/4		1/4		1/4	
1/2	2,170.53	1/2	1,793.27	1/2	1,416.57	1/2	1,040.91	1/2	663.66	1/2	298.44	1/2		1/2		1/2		1/2	
3/4	2,162.67	3/4	1,785.41	3/4	1,408.75	3/4	1,033.05	3/4	655.80	3/4	291.39	3/4		3/4		3/4		3/4	
9	2,154.81	9	1,777.55	9	1,400.94	9	1,025.19	9	647.94	9	284.34	9		9		9		9	
1/4	2,146.95	1/4	1,769.69	1/4	1,393.13	1/4	1,017.33	1/4	640.08	1/4	277.39	1/4		1/4		1/4		1/4	
1/2	2,139.09	1/2	1,761.83	1/2	1,385.32	1/2	1,009.47	1/2	632.22	1/2	270.45	1/2		1/2		1/2		1/2	
3/4	2,131.23	3/4	1,753.97	3/4	1,377.51	3/4	1,001.61	3/4	624.36	3/4	263.50	3/4		3/4		3/4		3/4	
10	2,123.37	10	1,746.11	10	1,369.70	10	993.75	10	616.50	10	256.56	10		10		10		10	
1/4	2,115.51	1/4	1,738.25	1/4	1,361.89	1/4	985.89	1/4	608.64	1/4	249.72	1/4		1/4		1/4		1/4	
1/2	2,107.65	1/2	1,730.39	1/2	1,354.08	1/2	978.03	1/2	600.78	1/2	242.88	1/2		1/2		1/2		1/2	
3/4	2,099.79	3/4	1,722.53	3/4	1,346.27	3/4	970.17	3/4	592.92	3/4	236.05	3/4		3/4		3/4		3/4	
11	2,091.94	11	1,714.67	11	1,338.46	11	962.31	11	585.06	11	229.21	11		11		11		11	
1/4	2,084.08	1/4	1,706.81	1/4	1,330.65	1/4	954.45	1/4	577.20	1/4	222.49	1/4		1/4		1/4		1/4	
1/2	2,076.22	1/2	1,698.96	1/2	1,322.84	1/2	946.59	1/2	569.34	1/2	215.76	1/2		1/2		1/2		1/2	
3/4	2,068.36	3/4	1,691.10	3/4	1,315.03	3/4	938.73	3/4	561.48	3/4	209.03	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/18/2014 CL
CALCULATED: 09/19/2014 CL
PRINTED: 09/19/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 29117"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,632.17	0	4,294.36	0	3,940.08	0	3,569.70	0	3,194.05	0	2,816.79
1/4		1/4		1/4		1/4		1/4	4,625.29	1/4	4,287.14	1/4	3,932.51	1/4	3,561.87	1/4	3,186.19	1/4	2,808.93
1/2		1/2		1/2		1/2		1/2	4,950.30	1/2	4,618.41	1/2	4,279.91	1/2	3,924.94	1/2	3,554.05	1/2	3,178.33
3/4		3/4		3/4		3/4		3/4	4,944.93	3/4	4,611.53	3/4	4,272.68	3/4	3,917.37	3/4	3,546.22	3/4	3,170.47
1		1		1		1		1	4,939.56	1	4,604.65	1	4,265.46	1	3,909.81	1	3,538.40	1	3,162.61
1/4		1/4		1/4		1/4		1/4	4,932.90	1/4	4,597.75	1/4	4,258.21	1/4	3,902.21	1/4	3,530.57	1/4	3,154.75
1/2		1/2		1/2		1/2		1/2	4,926.23	1/2	4,590.84	1/2	4,250.96	1/2	3,894.61	1/2	3,522.75	1/2	3,146.90
3/4		3/4		3/4		3/4		3/4	4,919.57	3/4	4,583.93	3/4	4,243.70	3/4	3,887.01	3/4	3,514.92	3/4	3,139.04
2		2		2		2		2	4,912.90	2	4,577.02	2	4,236.45	2	3,879.41	2	3,507.10	2	3,131.18
1/4		1/4		1/4		1/4		1/4	4,905.31	1/4	4,570.09	1/4	4,229.17	1/4	3,871.79	1/4	3,499.27	1/4	3,123.32
1/2		1/2		1/2		1/2		1/2	4,897.71	1/2	4,563.15	1/2	4,221.90	1/2	3,864.17	1/2	3,491.45	1/2	3,115.46
3/4		3/4		3/4		3/4		3/4	4,890.12	3/4	4,556.21	3/4	4,214.62	3/4	3,856.54	3/4	3,483.62	3/4	3,107.60
3		3		3		3		3	4,882.52	3	4,549.28	3	4,207.34	3	3,848.92	3	3,475.80	3	3,099.74
1/4		1/4		1/4		1/4		1/4	4,874.70	1/4	4,542.31	1/4	4,200.03	1/4	3,841.27	1/4	3,467.97	1/4	3,091.88
1/2		1/2		1/2		1/2		1/2	4,866.87	1/2	4,535.35	1/2	4,192.72	1/2	3,833.62	1/2	3,460.15	1/2	3,084.02
3/4		3/4		3/4		3/4		3/4	4,859.05	3/4	4,528.38	3/4	4,185.41	3/4	3,825.97	3/4	3,452.32	3/4	3,076.16
4		4		4		4		4	4,851.22	4	4,521.42	4	4,178.10	4	3,818.32	4	3,444.50	4	3,068.30
1/4		1/4		1/4		1/4		1/4	4,843.83	1/4	4,514.42	1/4	4,170.77	1/4	3,810.64	1/4	3,436.67	1/4	3,060.44
1/2		1/2		1/2		1/2		1/2	4,836.44	1/2	4,507.43	1/2	4,163.43	1/2	3,802.96	1/2	3,428.85	1/2	3,052.58
3/4		3/4		3/4		3/4		3/4	4,829.05	3/4	4,500.44	3/4	4,156.09	3/4	3,795.28	3/4	3,421.02	3/4	3,044.72
5		5		5		5		5	4,821.65	5	4,493.44	5	4,148.76	5	3,787.59	5	3,413.20	5	3,036.86
1/4		1/4		1/4		1/4		1/4	4,814.97	1/4	4,486.42	1/4	4,141.39	1/4	3,779.89	1/4	3,405.37	1/4	3,029.00
1/2		1/2		1/2		1/2		1/2	4,808.29	1/2	4,479.40	1/2	4,134.02	1/2	3,772.18	1/2	3,397.55	1/2	3,021.14
3/4		3/4		3/4		3/4		3/4	4,801.61	3/4	4,472.37	3/4	4,126.66	3/4	3,764.47	3/4	3,389.72	3/4	3,013.28
6		6		6		6		6	4,794.93	6	4,465.35	6	4,119.29	6	3,756.76	6	3,381.90	6	3,005.42
1/4		1/4		1/4		1/4		1/4	4,788.22	1/4	4,458.30	1/4	4,111.90	1/4	3,749.02	1/4	3,374.08	1/4	2,997.56
1/2		1/2		1/2		1/2		1/2	4,781.52	1/2	4,451.25	1/2	4,104.50	1/2	3,741.28	1/2	3,366.25	1/2	2,989.70
3/4		3/4		3/4		3/4		3/4	4,774.81	3/4	4,444.20	3/4	4,097.11	3/4	3,733.55	3/4	3,358.43	3/4	2,981.84
7		7		7		7		7	4,768.10	7	4,437.14	7	4,089.72	7	3,725.81	7	3,350.60	7	2,973.98
1/4		1/4		1/4		1/4		1/4	4,761.36	1/4	4,430.06	1/4	4,082.29	1/4	3,718.04	1/4	3,342.78	1/4	2,966.12
1/2		1/2		1/2		1/2		1/2	4,754.62	1/2	4,422.98	1/2	4,074.87	1/2	3,710.28	1/2	3,334.95	1/2	2,958.26
3/4		3/4		3/4		3/4		3/4	4,747.88	3/4	4,415.90	3/4	4,067.44	3/4	3,702.51	3/4	3,327.13	3/4	2,950.41
8		8		8		8		8	4,741.14	8	4,408.82	8	4,060.02	8	3,694.74	8	3,319.30	8	2,942.55
1/4		1/4		1/4		1/4		1/4	4,734.38	1/4	4,401.71	1/4	4,052.57	1/4	3,686.95	1/4	3,311.48	1/4	2,934.69
1/2		1/2		1/2		1/2		1/2	4,727.61	1/2	4,394.60	1/2	4,045.12	1/2	3,679.15	1/2	3,303.65	1/2	2,926.83
3/4		3/4		3/4		3/4		3/4	4,720.84	3/4	4,387.49	3/4	4,037.66	3/4	3,671.36	3/4	3,295.83	3/4	2,918.97
9		9		9		9		9	4,714.08	9	4,380.38	9	4,030.21	9	3,663.56	9	3,288.00	9	2,911.11
1/4		1/4		1/4		1/4		1/4	4,707.28	1/4	4,373.24	1/4	4,022.73	1/4	3,655.74	1/4	3,280.18	1/4	2,903.25
1/2		1/2		1/2		1/2		1/2	4,700.48	1/2	4,366.10	1/2	4,015.25	1/2	3,647.93	1/2	3,272.35	1/2	2,895.39
3/4		3/4		3/4		3/4		3/4	4,693.69	3/4	4,358.96	3/4	4,007.76	3/4	3,640.11	3/4	3,264.53	3/4	2,887.53
10		10		10		10		10	4,686.89	10	4,351.83	10	4,000.28	10	3,632.29	10	3,256.70	10	2,879.67
1/4		1/4		1/4		1/4		1/4	4,680.06	1/4	4,344.66	1/4	3,992.77	1/4	3,624.47	1/4	3,248.88	1/4	2,871.81
1/2		1/2		1/2		1/2		1/2	4,673.24	1/2	4,337.49	1/2	3,985.26	1/2	3,616.64	1/2	3,241.05	1/2	2,863.95
3/4		3/4		3/4		3/4		3/4	4,666.41	3/4	4,330.32	3/4	3,977.75	3/4	3,608.82	3/4	3,233.23	3/4	2,856.09
11		11		11		11		11	4,659.59	11	4,323.15	11	3,970.24	11	3,600.99	11	3,225.40	11	2,848.23
1/4		1/4		1/4		1/4		1/4	4,652.73	1/4	4,315.95	1/4	3,962.70	1/4	3,593.17	1/4	3,217.57	1/4	2,840.37
1/2		1/2		1/2		1/2		1/2	4,645.88	1/2	4,308.76	1/2	3,955.16	1/2	3,585.34	1/2	3,209.73	1/2	2,832.51
3/4		3/4		3/4		3/4		3/4	4,639.02	3/4	4,301.56	3/4	3,947.62	3/4	3,577.52	3/4	3,201.89	3/4	2,824.65

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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



BARGE "KIRBY 29117"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,439.53	0	2,062.27	0	1,685.01	0	1,307.75	0	930.75	0	553.62	0	202.31	0		0		0	
1/4	2,431.67	1/4	2,054.41	1/4	1,677.15	1/4	1,299.89	1/4	922.90	1/4	545.77	1/4	195.69	1/4		1/4		1/4	
1/2	2,423.81	1/2	2,046.55	1/2	1,669.29	1/2	1,292.03	1/2	915.05	1/2	537.93	1/2	189.07	1/2		1/2		1/2	
3/4	2,415.95	3/4	2,038.69	3/4	1,661.43	3/4	1,284.17	3/4	907.21	3/4	530.08	3/4	182.46	3/4		3/4		3/4	
1	2,408.09	1	2,030.83	1	1,653.57	1	1,276.31	1	899.36	1	522.23	1	175.84	1		1		1	
1/4	2,400.23	1/4	2,022.97	1/4	1,645.71	1/4	1,268.45	1/4	891.51	1/4	514.43	1/4	169.33	1/4		1/4		1/4	
1/2	2,392.37	1/2	2,015.11	1/2	1,637.85	1/2	1,260.59	1/2	883.66	1/2	506.62	1/2	162.83	1/2		1/2		1/2	
3/4	2,384.51	3/4	2,007.25	3/4	1,629.99	3/4	1,252.73	3/4	875.82	3/4	498.82	3/4	156.32	3/4		3/4		3/4	
2	2,376.65	2	1,999.39	2	1,622.13	2	1,244.87	2	867.97	2	491.02	2	149.82	2		2		2	
1/4	2,368.79	1/4	1,991.53	1/4	1,614.27	1/4	1,237.01	1/4	860.12	1/4	483.31	1/4	143.43	1/4		1/4		1/4	
1/2	2,360.94	1/2	1,983.67	1/2	1,606.41	1/2	1,229.15	1/2	852.27	1/2	475.60	1/2	137.04	1/2		1/2		1/2	
3/4	2,353.08	3/4	1,975.81	3/4	1,598.55	3/4	1,221.29	3/4	844.41	3/4	467.89	3/4	130.65	3/4		3/4		3/4	
3	2,345.22	3	1,967.96	3	1,590.69	3	1,213.43	3	836.56	3	460.18	3	124.25	3		3		3	
1/4	2,337.36	1/4	1,960.10	1/4	1,582.83	1/4	1,205.57	1/4	828.70	1/4	452.58	1/4	117.99	1/4		1/4		1/4	
1/2	2,329.50	1/2	1,952.24	1/2	1,574.98	1/2	1,197.71	1/2	820.84	1/2	444.98	1/2	111.72	1/2		1/2		1/2	
3/4	2,321.64	3/4	1,944.38	3/4	1,567.12	3/4	1,189.85	3/4	812.98	3/4	437.38	3/4	105.45	3/4		3/4		3/4	
4	2,313.78	4	1,936.52	4	1,559.26	4	1,182.00	4	805.12	4	429.78	4	99.18	4		4		4	
1/4	2,305.92	1/4	1,928.66	1/4	1,551.40	1/4	1,174.14	1/4	797.27	1/4	422.29	1/4	93.04	1/4		1/4		1/4	
1/2	2,298.06	1/2	1,920.80	1/2	1,543.54	1/2	1,166.28	1/2	789.41	1/2	414.80	1/2	86.90	1/2		1/2		1/2	
3/4	2,290.20	3/4	1,912.94	3/4	1,535.68	3/4	1,158.42	3/4	781.55	3/4	407.31	3/4	80.76	3/4		3/4		3/4	
5	2,282.34	5	1,905.08	5	1,527.82	5	1,150.56	5	773.69	5	399.82	5	74.62	5		5		5	
1/4	2,274.48	1/4	1,897.22	1/4	1,519.96	1/4	1,142.70	1/4	765.83	1/4	392.44	1/4	68.62	1/4		1/4		1/4	
1/2	2,266.62	1/2	1,889.36	1/2	1,512.10	1/2	1,134.84	1/2	757.97	1/2	385.06	1/2	62.62	1/2		1/2		1/2	
3/4	2,258.76	3/4	1,881.50	3/4	1,504.24	3/4	1,126.98	3/4	750.11	3/4	377.68	3/4	56.62	3/4		3/4		3/4	
6	2,250.90	6	1,873.64	6	1,496.38	6	1,119.12	6	742.25	6	370.29	6	50.62	6		6		6	
1/4	2,243.04	1/4	1,865.78	1/4	1,488.52	1/4	1,111.26	1/4	734.39	1/4	363.02	1/4	45.21	1/4		1/4		1/4	
1/2	2,235.18	1/2	1,857.92	1/2	1,480.66	1/2	1,103.41	1/2	726.53	1/2	355.75	1/2	39.81	1/2		1/2		1/2	
3/4	2,227.32	3/4	1,850.06	3/4	1,472.80	3/4	1,095.55	3/4	718.67	3/4	348.48	3/4	34.40	3/4		3/4		3/4	
7	2,219.46	7	1,842.20	7	1,464.94	7	1,087.70	7	710.81	7	341.20	7	28.99	7		7		7	
1/4	2,211.60	1/4	1,834.34	1/4	1,457.08	1/4	1,079.85	1/4	702.95	1/4	334.04	1/4	25.03	1/4		1/4		1/4	
1/2	2,203.74	1/2	1,826.48	1/2	1,449.22	1/2	1,072.00	1/2	695.09	1/2	326.88	1/2	21.08	1/2		1/2		1/2	
3/4	2,195.88	3/4	1,818.62	3/4	1,441.36	3/4	1,064.16	3/4	687.23	3/4	319.71	3/4	17.12	3/4		3/4		3/4	
8	2,188.02	8	1,810.76	8	1,433.50	8	1,056.31	8	679.37	8	312.55	8	13.16	8		8		8	
1/4	2,180.16	1/4	1,802.90	1/4	1,425.64	1/4	1,048.46	1/4	671.51	1/4	305.50	1/4		1/4		1/4		1/4	
1/2	2,172.30	1/2	1,795.04	1/2	1,417.78	1/2	1,040.61	1/2	663.66	1/2	298.44	1/2		1/2		1/2		1/2	
3/4	2,164.45	3/4	1,787.18	3/4	1,409.92	3/4	1,032.77	3/4	655.80	3/4	291.39	3/4		3/4		3/4		3/4	
9	2,156.59	9	1,779.32	9	1,402.06	9	1,024.92	9	647.94	9	284.34	9		9		9		9	
1/4	2,148.73	1/4	1,771.47	1/4	1,394.20	1/4	1,017.07	1/4	640.08	1/4	277.39	1/4		1/4		1/4		1/4	
1/2	2,140.87	1/2	1,763.61	1/2	1,386.34	1/2	1,009.22	1/2	632.22	1/2	270.45	1/2		1/2		1/2		1/2	
3/4	2,133.01	3/4	1,755.75	3/4	1,378.49	3/4	1,001.38	3/4	624.36	3/4	263.50	3/4		3/4		3/4		3/4	
10	2,125.15	10	1,747.89	10	1,370.63	10	993.53	10	616.50	10	256.56	10		10		10		10	
1/4	2,117.29	1/4	1,740.03	1/4	1,362.77	1/4	985.68	1/4	608.64	1/4	249.72	1/4		1/4		1/4		1/4	
1/2	2,109.43	1/2	1,732.17	1/2	1,354.91	1/2	977.83	1/2	600.78	1/2	242.88	1/2		1/2		1/2		1/2	
3/4	2,101.57	3/4	1,724.31	3/4	1,347.05	3/4	969.99	3/4	592.92	3/4	236.05	3/4		3/4		3/4		3/4	
11	2,093.71	11	1,716.45	11	1,339.19	11	962.14	11	585.06	11	229.21	11		11		11		11	
1/4	2,085.85	1/4	1,708.59	1/4	1,331.33	1/4	954.29	1/4	577.20	1/4	222.49	1/4		1/4		1/4		1/4	
1/2	2,077.99	1/2	1,700.73	1/2	1,323.47	1/2	946.44	1/2	569.34	1/2	215.76	1/2		1/2		1/2		1/2	
3/4	2,070.13	3/4	1,692.87	3/4	1,315.61	3/4	938.60	3/4	561.48	3/4	209.03	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/18/2014 CL
CALCULATED: 09/19/2014 CL
PRINTED: 09/19/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2014

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



BARGE "KIRBY 29117"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,374.65	0	2,015.31	0	1,655.96	0	1,304.97	0	959.83	0	602.46	0	243.12	0		0		0	
1/4	2,367.16	1/4	2,007.82	1/4	1,648.48	1/4	1,297.77	1/4	952.64	1/4	594.97	1/4	235.64	1/4		1/4		1/4	
1/2	2,359.68	1/2	2,000.33	1/2	1,640.99	1/2	1,290.56	1/2	945.46	1/2	587.48	1/2	228.15	1/2		1/2		1/2	
3/4	2,352.19	3/4	1,992.85	3/4	1,633.50	3/4	1,283.36	3/4	938.28	3/4	580.00	3/4	220.67	3/4		3/4		3/4	
1	2,344.70	1	1,985.36	1	1,626.02	1	1,276.16	1	931.09	1	572.51	1	213.18	1		1		1	
1/4	2,337.22	1/4	1,977.87	1/4	1,618.53	1/4	1,268.96	1/4	923.79	1/4	565.03	1/4	205.70	1/4		1/4		1/4	
1/2	2,329.73	1/2	1,970.39	1/2	1,611.05	1/2	1,261.75	1/2	916.50	1/2	557.54	1/2	198.21	1/2		1/2		1/2	
3/4	2,322.24	3/4	1,962.90	3/4	1,603.56	3/4	1,254.55	3/4	909.20	3/4	550.05	3/4	190.73	3/4		3/4		3/4	
2	2,314.76	2	1,955.42	2	1,596.07	2	1,247.35	2	901.90	2	542.57	2	183.24	2		2		2	
1/4	2,307.27	1/4	1,947.93	1/4	1,588.59	1/4	1,240.14	1/4	894.41	1/4	535.08	1/4	175.77	1/4		1/4		1/4	
1/2	2,299.79	1/2	1,940.44	1/2	1,581.10	1/2	1,232.94	1/2	886.93	1/2	527.59	1/2	168.29	1/2		1/2		1/2	
3/4	2,292.30	3/4	1,932.96	3/4	1,573.61	3/4	1,225.74	3/4	879.44	3/4	520.11	3/4	160.81	3/4		3/4		3/4	
3	2,284.81	3	1,925.47	3	1,566.13	3	1,218.53	3	871.96	3	512.62	3	153.33	3		3		3	
1/4	2,277.33	1/4	1,917.98	1/4	1,558.64	1/4	1,211.33	1/4	864.47	1/4	505.14	1/4	145.87	1/4		1/4		1/4	
1/2	2,269.84	1/2	1,910.50	1/2	1,551.16	1/2	1,204.14	1/2	856.98	1/2	497.65	1/2	138.40	1/2		1/2		1/2	
3/4	2,262.35	3/4	1,903.01	3/4	1,543.67	3/4	1,196.94	3/4	849.50	3/4	490.16	3/4	130.93	3/4		3/4		3/4	
4	2,254.87	4	1,895.53	4	1,536.18	4	1,189.74	4	842.01	4	482.68	4	123.47	4		4		4	
1/4	2,247.38	1/4	1,888.04	1/4	1,528.80	1/4	1,182.55	1/4	834.52	1/4	475.19	1/4	116.02	1/4		1/4		1/4	
1/2	2,239.89	1/2	1,880.55	1/2	1,521.42	1/2	1,175.36	1/2	827.04	1/2	467.71	1/2	108.57	1/2		1/2		1/2	
3/4	2,232.41	3/4	1,873.07	3/4	1,514.04	3/4	1,168.17	3/4	819.55	3/4	460.22	3/4	101.12	3/4		3/4		3/4	
5	2,224.92	5	1,865.58	5	1,506.66	5	1,160.98	5	812.07	5	452.73	5	93.67	5		5		5	
1/4	2,217.44	1/4	1,858.09	1/4	1,499.46	1/4	1,153.79	1/4	804.58	1/4	445.25	1/4	86.26	1/4		1/4		1/4	
1/2	2,209.95	1/2	1,850.61	1/2	1,492.25	1/2	1,146.60	1/2	797.09	1/2	437.76	1/2	78.84	1/2		1/2		1/2	
3/4	2,202.46	3/4	1,843.12	3/4	1,485.05	3/4	1,139.41	3/4	789.61	3/4	430.28	3/4	71.42	3/4		3/4		3/4	
6	2,194.98	6	1,835.63	6	1,477.85	6	1,132.22	6	782.12	6	422.79	6	64.00	6		6		6	
1/4	2,187.49	1/4	1,828.15	1/4	1,470.64	1/4	1,125.04	1/4	774.64	1/4	415.30	1/4	57.05	1/4		1/4		1/4	
1/2	2,180.00	1/2	1,820.66	1/2	1,463.44	1/2	1,117.86	1/2	767.15	1/2	407.82	1/2	50.09	1/2		1/2		1/2	
3/4	2,172.52	3/4	1,813.18	3/4	1,456.24	3/4	1,110.67	3/4	759.66	3/4	400.33	3/4	43.13	3/4		3/4		3/4	
7	2,165.03	7	1,805.69	7	1,449.04	7	1,103.49	7	752.18	7	392.85	7	36.17	7		7		7	
1/4	2,157.55	1/4	1,798.20	1/4	1,441.83	1/4	1,096.31	1/4	744.69	1/4	385.36	1/4	30.87	1/4		1/4		1/4	
1/2	2,150.06	1/2	1,790.72	1/2	1,434.63	1/2	1,089.12	1/2	737.21	1/2	377.87	1/2	25.57	1/2		1/2		1/2	
3/4	2,142.57	3/4	1,783.23	3/4	1,427.43	3/4	1,081.94	3/4	729.72	3/4	370.39	3/4	20.27	3/4		3/4		3/4	
8	2,135.09	8	1,775.74	8	1,420.22	8	1,074.76	8	722.23	8	362.90	8	14.97	8		8		8	
1/4	2,127.60	1/4	1,768.26	1/4	1,413.02	1/4	1,067.57	1/4	714.75	1/4	355.41	1/4		1/4		1/4		1/4	
1/2	2,120.11	1/2	1,760.77	1/2	1,405.82	1/2	1,060.39	1/2	707.26	1/2	347.93	1/2		1/2		1/2		1/2	
3/4	2,112.63	3/4	1,753.29	3/4	1,398.61	3/4	1,053.21	3/4	699.78	3/4	340.44	3/4		3/4		3/4		3/4	
9	2,105.14	9	1,745.80	9	1,391.41	9	1,046.03	9	692.29	9	332.96	9		9		9		9	
1/4	2,097.66	1/4	1,738.31	1/4	1,384.21	1/4	1,038.84	1/4	684.80	1/4	325.47	1/4		1/4		1/4		1/4	
1/2	2,090.17	1/2	1,730.83	1/2	1,377.00	1/2	1,031.66	1/2	677.32	1/2	317.98	1/2		1/2		1/2		1/2	
3/4	2,082.68	3/4	1,723.34	3/4	1,369.80	3/4	1,024.48	3/4	669.83	3/4	310.50	3/4		3/4		3/4		3/4	
10	2,075.20	10	1,715.85	10	1,362.60	10	1,017.29	10	662.34	10	303.01	10		10		10		10	
1/4	2,067.71	1/4	1,708.37	1/4	1,355.39	1/4	1,010.11	1/4	654.86	1/4	295.53	1/4		1/4		1/4		1/4	
1/2	2,060.22	1/2	1,700.88	1/2	1,348.19	1/2	1,002.93	1/2	647.37	1/2	288.04	1/2		1/2		1/2		1/2	
3/4	2,052.74	3/4	1,693.39	3/4	1,340.99	3/4	995.74	3/4	639.89	3/4	280.55	3/4		3/4		3/4		3/4	
11	2,045.25	11	1,685.91	11	1,333.78	11	988.56	11	632.40	11	273.07	11		11		11		11	
1/4	2,037.76	1/4	1,678.42	1/4	1,326.58	1/4	981.38	1/4	624.91	1/4	265.58	1/4		1/4		1/4		1/4	
1/2	2,030.28	1/2	1,670.94	1/2	1,319.38	1/2	974.19	1/2	617.43	1/2	258.10	1/2		1/2		1/2		1/2	
3/4	2,022.79	3/4	1,663.45	3/4	1,312.17	3/4	967.01	3/4	609.94	3/4	250.61	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/18/2014 CL
CALCULATED: 09/19/2014 CL
PRINTED: 09/19/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2014

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



BARGE "KIRBY 29117"

**2 STBD
ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 3/4"

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	2,421.25	0	2,061.91	0	1,702.56	0	1,343.21	0	984.09	0	624.91	0	265.58	0		0		0	
1/4	2,413.77	1/4	2,054.42	1/4	1,695.07	1/4	1,335.73	1/4	976.62	1/4	617.43	1/4	258.10	1/4		1/4		1/4	
1/2	2,406.28	1/2	2,046.93	1/2	1,687.59	1/2	1,328.24	1/2	969.14	1/2	609.94	1/2	250.61	1/2		1/2		1/2	
3/4	2,398.80	3/4	2,039.45	3/4	1,680.10	3/4	1,320.75	3/4	961.67	3/4	602.46	3/4	243.12	3/4		3/4		3/4	
1	2,391.31	1	2,031.96	1	1,672.61	1	1,313.27	1	954.19	1	594.97	1	235.64	1		1		1	
1/4	2,383.82	1/4	2,024.48	1/4	1,665.13	1/4	1,305.78	1/4	946.72	1/4	587.48	1/4	228.15	1/4		1/4		1/4	
1/2	2,376.34	1/2	2,016.99	1/2	1,657.64	1/2	1,298.29	1/2	939.25	1/2	580.00	1/2	220.67	1/2		1/2		1/2	
3/4	2,368.85	3/4	2,009.50	3/4	1,650.16	3/4	1,290.81	3/4	931.77	3/4	572.51	3/4	213.18	3/4		3/4		3/4	
2	2,361.36	2	2,002.02	2	1,642.67	2	1,283.32	2	924.30	2	565.03	2	205.70	2		2		2	
1/4	2,353.88	1/4	1,994.53	1/4	1,635.18	1/4	1,275.84	1/4	916.82	1/4	557.54	1/4	198.21	1/4		1/4		1/4	
1/2	2,346.39	1/2	1,987.04	1/2	1,627.70	1/2	1,268.35	1/2	909.35	1/2	550.05	1/2	190.73	1/2		1/2		1/2	
3/4	2,338.90	3/4	1,979.56	3/4	1,620.21	3/4	1,260.86	3/4	901.87	3/4	542.57	3/4	183.24	3/4		3/4		3/4	
3	2,331.42	3	1,972.07	3	1,612.72	3	1,253.38	3	894.39	3	535.08	3	175.77	3		3		3	
1/4	2,323.93	1/4	1,964.58	1/4	1,605.24	1/4	1,245.89	1/4	886.92	1/4	527.59	1/4	168.29	1/4		1/4		1/4	
1/2	2,316.44	1/2	1,957.10	1/2	1,597.75	1/2	1,238.40	1/2	879.44	1/2	520.11	1/2	160.81	1/2		1/2		1/2	
3/4	2,308.96	3/4	1,949.61	3/4	1,590.26	3/4	1,230.92	3/4	871.96	3/4	512.62	3/4	153.33	3/4		3/4		3/4	
4	2,301.47	4	1,942.12	4	1,582.78	4	1,223.43	4	864.47	4	505.14	4	145.87	4		4		4	
1/4	2,293.99	1/4	1,934.64	1/4	1,575.29	1/4	1,215.94	1/4	856.98	1/4	497.65	1/4	138.40	1/4		1/4		1/4	
1/2	2,286.50	1/2	1,927.15	1/2	1,567.80	1/2	1,208.46	1/2	849.50	1/2	490.16	1/2	130.93	1/2		1/2		1/2	
3/4	2,279.01	3/4	1,919.67	3/4	1,560.32	3/4	1,200.97	3/4	842.01	3/4	482.68	3/4	123.47	3/4		3/4		3/4	
5	2,271.53	5	1,912.18	5	1,552.83	5	1,193.48	5	834.53	5	475.19	5	116.02	5		5		5	
1/4	2,264.04	1/4	1,904.69	1/4	1,545.35	1/4	1,186.00	1/4	827.04	1/4	467.71	1/4	108.57	1/4		1/4		1/4	
1/2	2,256.55	1/2	1,897.21	1/2	1,537.86	1/2	1,178.51	1/2	819.55	1/2	460.22	1/2	101.12	1/2		1/2		1/2	
3/4	2,249.07	3/4	1,889.72	3/4	1,530.37	3/4	1,171.03	3/4	812.07	3/4	452.73	3/4	93.67	3/4		3/4		3/4	
6	2,241.58	6	1,882.23	6	1,522.89	6	1,163.54	6	804.58	6	445.25	6	86.26	6		6		6	
1/4	2,234.09	1/4	1,874.75	1/4	1,515.40	1/4	1,156.05	1/4	797.09	1/4	437.76	1/4	78.84	1/4		1/4		1/4	
1/2	2,226.61	1/2	1,867.26	1/2	1,507.91	1/2	1,148.57	1/2	789.61	1/2	430.28	1/2	71.42	1/2		1/2		1/2	
3/4	2,219.12	3/4	1,859.77	3/4	1,500.43	3/4	1,141.08	3/4	782.12	3/4	422.79	3/4	64.00	3/4		3/4		3/4	
7	2,211.64	7	1,852.29	7	1,492.94	7	1,133.60	7	774.64	7	415.30	7	57.05	7		7		7	
1/4	2,204.15	1/4	1,844.80	1/4	1,485.45	1/4	1,126.12	1/4	767.15	1/4	407.82	1/4	50.09	1/4		1/4		1/4	
1/2	2,196.66	1/2	1,837.32	1/2	1,477.97	1/2	1,118.63	1/2	759.66	1/2	400.33	1/2	43.13	1/2		1/2		1/2	
3/4	2,189.18	3/4	1,829.83	3/4	1,470.48	3/4	1,111.15	3/4	752.18	3/4	392.85	3/4	36.17	3/4		3/4		3/4	
8	2,181.69	8	1,822.34	8	1,463.00	8	1,103.68	8	744.69	8	385.36	8	30.87	8		8		8	
1/4	2,174.20	1/4	1,814.86	1/4	1,455.51	1/4	1,096.20	1/4	737.21	1/4	377.87	1/4	25.57	1/4		1/4		1/4	
1/2	2,166.72	1/2	1,807.37	1/2	1,448.02	1/2	1,088.73	1/2	729.72	1/2	370.39	1/2	20.27	1/2		1/2		1/2	
3/4	2,159.23	3/4	1,799.88	3/4	1,440.54	3/4	1,081.26	3/4	722.23	3/4	362.90	3/4	14.97	3/4		3/4		3/4	
9	2,151.74	9	1,792.40	9	1,433.05	9	1,073.78	9	714.75	9	355.41	9		9		9		9	
1/4	2,144.26	1/4	1,784.91	1/4	1,425.56	1/4	1,066.31	1/4	707.26	1/4	347.93	1/4		1/4		1/4		1/4	
1/2	2,136.77	1/2	1,777.42	1/2	1,418.08	1/2	1,058.83	1/2	699.78	1/2	340.44	1/2		1/2		1/2		1/2	
3/4	2,129.28	3/4	1,769.94	3/4	1,410.59	3/4	1,051.36	3/4	692.29	3/4	332.96	3/4		3/4		3/4		3/4	
10	2,121.80	10	1,762.45	10	1,403.10	10	1,043.88	10	684.80	10	325.47	10		10		10		10	
1/4	2,114.31	1/4	1,754.96	1/4	1,395.62	1/4	1,036.41	1/4	677.32	1/4	317.98	1/4		1/4		1/4		1/4	
1/2	2,106.83	1/2	1,747.48	1/2	1,388.13	1/2	1,028.94	1/2	669.83	1/2	310.50	1/2		1/2		1/2		1/2	
3/4	2,099.34	3/4	1,739.99	3/4	1,380.64	3/4	1,021.46	3/4	662.34	3/4	303.01	3/4		3/4		3/4		3/4	
11	2,091.85	11	1,732.51	11	1,373.16	11	1,013.99	11	654.86	11	295.53	11		11		11		11	
1/4	2,084.37	1/4	1,725.02	1/4	1,365.67	1/4	1,006.51	1/4	647.37	1/4	288.04	1/4		1/4		1/4		1/4	
1/2	2,076.88	1/2	1,717.53	1/2	1,358.19	1/2	999.04	1/2	639.89	1/2	280.55	1/2		1/2		1/2		1/2	
3/4	2,069.39	3/4	1,710.05	3/4	1,350.70	3/4	991.57	3/4	632.40	3/4	273.07	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "KIRBY 29117"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,128.05	0	3,881.48	0	3,622.92	0	3,352.56	0	3,005.85	0	2,650.12
1/4		1/4		1/4		1/4		1/4	4,363.99	1/4	4,123.04	1/4	3,876.22	1/4	3,617.42	1/4	3,346.84	1/4	2,998.47
1/2		1/2		1/2		1/2		1/2	4,359.36	1/2	4,118.01	1/2	3,870.94	1/2	3,611.89	1/2	3,341.12	1/2	2,991.05
3/4		3/4		3/4		3/4		3/4	4,354.74	3/4	4,112.98	3/4	3,865.66	3/4	3,606.36	3/4	3,335.39	3/4	2,983.64
1		1		1		1		1	4,350.11	1	4,107.95	1	3,860.38	1	3,600.84	1	3,329.67	1	2,976.23
1/4		1/4		1/4		1/4		1/4	4,345.48	1/4	4,102.93	1/4	3,855.09	1/4	3,595.31	1/4	3,323.95	1/4	2,968.82
1/2		1/2		1/2		1/2		1/2	4,341.31	1/2	4,097.88	1/2	3,849.80	1/2	3,589.76	1/2	3,316.54	1/2	2,961.41
3/4		3/4		3/4		3/4		3/4	4,337.14	3/4	4,092.83	3/4	3,844.50	3/4	3,584.21	3/4	3,309.12	3/4	2,954.00
2		2		2		2		2	4,332.97	2	4,087.79	2	3,839.20	2	3,578.66	2	3,301.71	2	2,946.58
1/4		1/4		1/4		1/4		1/4	4,328.79	1/4	4,082.74	1/4	3,833.90	1/4	3,573.11	1/4	3,294.29	1/4	2,939.17
1/2		1/2		1/2		1/2		1/2	4,323.42	1/2	4,077.67	1/2	3,828.59	1/2	3,567.54	1/2	3,286.88	1/2	2,931.76
3/4		3/4		3/4		3/4		3/4	4,318.04	3/4	4,072.60	3/4	3,823.27	3/4	3,561.97	3/4	3,279.46	3/4	2,924.35
3		3		3		3		3	4,312.67	3	4,067.53	3	3,817.95	3	3,556.40	3	3,272.05	3	2,916.94
1/4		1/4		1/4		1/4		1/4	4,307.29	1/4	4,062.46	1/4	3,812.64	1/4	3,550.83	1/4	3,264.63	1/4	2,909.53
1/2		1/2		1/2		1/2		1/2	4,301.57	1/2	4,057.37	1/2	3,807.30	1/2	3,545.25	1/2	3,257.22	1/2	2,902.11
3/4		3/4		3/4		3/4		3/4	4,295.85	3/4	4,052.29	3/4	3,801.96	3/4	3,539.66	3/4	3,249.80	3/4	2,894.70
4		4		4		4		4	4,290.13	4	4,047.20	4	3,796.62	4	3,534.07	4	3,242.39	4	2,887.29
1/4		1/4		1/4		1/4		1/4	4,284.41	1/4	4,042.11	1/4	3,791.28	1/4	3,528.49	1/4	3,234.97	1/4	2,879.88
1/2		1/2		1/2		1/2		1/2	4,278.68	1/2	4,037.00	1/2	3,785.92	1/2	3,522.88	1/2	3,227.56	1/2	2,872.47
3/4		3/4		3/4		3/4		3/4	4,272.96	3/4	4,031.89	3/4	3,780.56	3/4	3,517.27	3/4	3,220.14	3/4	2,865.06
5		5		5		5		5	4,267.24	5	4,026.78	5	3,775.20	5	3,511.66	5	3,212.73	5	2,857.64
1/4		1/4		1/4		1/4		1/4	4,261.52	1/4	4,021.66	1/4	3,769.84	1/4	3,506.05	1/4	3,205.32	1/4	2,850.23
1/2		1/2		1/2		1/2		1/2	4,256.63	1/2	4,016.53	1/2	3,764.46	1/2	3,500.42	1/2	3,197.93	1/2	2,842.82
3/4		3/4		3/4		3/4		3/4	4,251.75	3/4	4,011.40	3/4	3,759.08	3/4	3,494.79	3/4	3,190.54	3/4	2,835.41
6		6		6		6		6	4,246.87	6	4,006.27	6	3,753.70	6	3,489.16	6	3,183.15	6	2,828.00
1/4		1/4		1/4		1/4		1/4	4,241.98	1/4	4,001.14	1/4	3,748.31	1/4	3,483.53	1/4	3,175.77	1/4	2,820.59
1/2		1/2		1/2		1/2		1/2	4,237.08	1/2	3,995.99	1/2	3,742.91	1/2	3,477.88	1/2	3,168.38	1/2	2,813.18
3/4		3/4		3/4		3/4		3/4	4,232.18	3/4	3,990.84	3/4	3,737.51	3/4	3,472.23	3/4	3,160.99	3/4	2,805.76
7		7		7		7		7	4,227.28	7	3,985.68	7	3,732.11	7	3,466.58	7	3,153.60	7	2,798.35
1/4		1/4		1/4		1/4		1/4	4,222.38	1/4	3,980.53	1/4	3,726.71	1/4	3,460.92	1/4	3,146.22	1/4	2,790.94
1/2		1/2		1/2		1/2		1/2	4,217.45	1/2	3,975.36	1/2	3,721.29	1/2	3,455.25	1/2	3,138.83	1/2	2,783.53
3/4		3/4		3/4		3/4		3/4	4,212.52	3/4	3,970.19	3/4	3,715.87	3/4	3,449.58	3/4	3,131.44	3/4	2,776.12
8		8		8		8		8	4,207.60	8	3,965.01	8	3,710.44	8	3,443.91	8	3,124.05	8	2,768.71
1/4		1/4		1/4		1/4		1/4	4,202.67	1/4	3,959.84	1/4	3,705.02	1/4	3,438.24	1/4	3,116.67	1/4	2,761.29
1/2		1/2		1/2		1/2		1/2	4,197.73	1/2	3,954.65	1/2	3,699.58	1/2	3,432.55	1/2	3,109.28	1/2	2,753.88
3/4		3/4		3/4		3/4		3/4	4,192.78	3/4	3,949.45	3/4	3,694.13	3/4	3,426.85	3/4	3,101.89	3/4	2,746.47
9		9		9		9		9	4,187.84	9	3,944.25	9	3,688.69	9	3,421.16	9	3,094.50	9	2,739.06
1/4		1/4		1/4		1/4		1/4	4,182.90	1/4	3,939.06	1/4	3,683.25	1/4	3,415.47	1/4	3,087.12	1/4	2,731.65
1/2		1/2		1/2		1/2		1/2	4,177.93	1/2	3,933.84	1/2	3,677.78	1/2	3,409.75	1/2	3,079.73	1/2	2,724.24
3/4		3/4		3/4		3/4		3/4	4,172.96	3/4	3,928.63	3/4	3,672.32	3/4	3,404.04	3/4	3,072.34	3/4	2,716.82
10		10		10		10		10	4,167.99	10	3,923.41	10	3,666.85	10	3,398.33	10	3,064.95	10	2,709.41
1/4		1/4		1/4		1/4		1/4	4,163.02	1/4	3,918.20	1/4	3,661.39	1/4	3,392.62	1/4	3,057.57	1/4	2,702.00
1/2		1/2		1/2		1/2		1/2	4,158.04	1/2	3,912.96	1/2	3,655.90	1/2	3,386.89	1/2	3,050.18	1/2	2,694.59
3/4		3/4		3/4		3/4		3/4	4,153.05	3/4	3,907.72	3/4	3,650.42	3/4	3,381.17	3/4	3,042.79	3/4	2,687.18
11		11		11		11		11	4,148.07	11	3,902.48	11	3,644.93	11	3,375.45	11	3,035.40	11	2,679.77
1/4		1/4		1/4		1/4		1/4	4,143.08	1/4	3,897.25	1/4	3,639.45	1/4	3,369.73	1/4	3,028.02	1/4	2,672.35
1/2		1/2		1/2		1/2		1/2	4,138.07	1/2	3,891.99	1/2	3,633.94	1/2	3,364.01	1/2	3,020.63	1/2	2,664.94
3/4		3/4		3/4		3/4		3/4	4,133.06	3/4	3,886.73	3/4	3,628.43	3/4	3,358.28	3/4	3,013.24	3/4	2,657.53

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 29117"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,294.36	0	1,938.20	0	1,582.87	0	1,226.55	0	883.17	0	527.19	0	170.68	0		0		0	
1/4	2,286.95	1/4	1,930.77	1/4	1,575.47	1/4	1,219.12	1/4	876.03	1/4	519.76	1/4	163.25	1/4		1/4		1/4	
1/2	2,279.53	1/2	1,923.35	1/2	1,568.07	1/2	1,211.96	1/2	868.62	1/2	512.34	1/2	155.82	1/2		1/2		1/2	
3/4	2,272.12	3/4	1,915.92	3/4	1,560.67	3/4	1,204.80	3/4	861.22	3/4	504.91	3/4	148.39	3/4		3/4		3/4	
1	2,264.71	1	1,908.49	1	1,553.27	1	1,197.64	1	853.81	1	497.48	1	140.97	1		1		1	
1/4	2,257.30	1/4	1,901.07	1/4	1,545.87	1/4	1,190.49	1/4	846.40	1/4	490.05	1/4	133.54	1/4		1/4		1/4	
1/2	2,249.89	1/2	1,893.67	1/2	1,538.45	1/2	1,183.33	1/2	839.00	1/2	482.63	1/2	126.11	1/2		1/2		1/2	
3/4	2,242.47	3/4	1,886.27	3/4	1,531.02	3/4	1,176.17	3/4	831.59	3/4	475.20	3/4	118.69	3/4		3/4		3/4	
2	2,235.06	2	1,878.87	2	1,523.59	2	1,169.01	2	824.18	2	467.77	2	111.26	2		2		2	
1/4	2,227.65	1/4	1,871.47	1/4	1,516.17	1/4	1,161.85	1/4	816.78	1/4	460.35	1/4	103.83	1/4		1/4		1/4	
1/2	2,220.24	1/2	1,864.07	1/2	1,508.74	1/2	1,154.69	1/2	809.37	1/2	452.92	1/2	96.72	1/2		1/2		1/2	
3/4	2,212.82	3/4	1,856.67	3/4	1,501.32	3/4	1,147.53	3/4	801.96	3/4	445.49	3/4	89.61	3/4		3/4		3/4	
3	2,205.41	3	1,849.27	3	1,493.89	3	1,140.38	3	794.56	3	438.06	3	82.49	3		3		3	
1/4	2,198.00	1/4	1,841.87	1/4	1,486.46	1/4	1,133.22	1/4	787.15	1/4	430.64	1/4	75.38	1/4		1/4		1/4	
1/2	2,190.59	1/2	1,834.47	1/2	1,479.04	1/2	1,126.06	1/2	779.72	1/2	423.21	1/2	69.21	1/2		1/2		1/2	
3/4	2,183.18	3/4	1,827.07	3/4	1,471.61	3/4	1,118.90	3/4	772.30	3/4	415.78	3/4	63.03	3/4		3/4		3/4	
4	2,175.76	4	1,819.67	4	1,464.18	4	1,111.74	4	764.87	4	408.35	4	56.86	4		4		4	
1/4	2,168.35	1/4	1,812.27	1/4	1,456.76	1/4	1,104.58	1/4	757.44	1/4	400.93	1/4	50.68	1/4		1/4		1/4	
1/2	2,160.94	1/2	1,804.87	1/2	1,449.33	1/2	1,097.42	1/2	750.01	1/2	393.50	1/2	45.77	1/2		1/2		1/2	
3/4	2,153.53	3/4	1,797.47	3/4	1,441.91	3/4	1,090.27	3/4	742.59	3/4	386.07	3/4	40.85	3/4		3/4		3/4	
5	2,146.12	5	1,790.07	5	1,434.48	5	1,083.11	5	735.16	5	378.64	5	35.93	5		5		5	
1/4	2,138.70	1/4	1,782.67	1/4	1,427.05	1/4	1,075.95	1/4	727.73	1/4	371.22	1/4	31.01	1/4		1/4		1/4	
1/2	2,131.28	1/2	1,775.27	1/2	1,419.63	1/2	1,068.80	1/2	720.30	1/2	363.79	1/2	27.35	1/2		1/2		1/2	
3/4	2,123.85	3/4	1,767.87	3/4	1,412.20	3/4	1,061.66	3/4	712.88	3/4	356.36	3/4	23.69	3/4		3/4		3/4	
6	2,116.43	6	1,760.47	6	1,404.78	6	1,054.51	6	705.45	6	348.93	6	20.03	6		6		6	
1/4	2,109.00	1/4	1,753.07	1/4	1,397.35	1/4	1,047.37	1/4	698.02	1/4	341.51	1/4	16.37	1/4		1/4		1/4	
1/2	2,101.57	1/2	1,745.67	1/2	1,389.92	1/2	1,040.22	1/2	690.59	1/2	334.08	1/2		1/2		1/2		1/2	
3/4	2,094.15	3/4	1,738.27	3/4	1,382.50	3/4	1,033.08	3/4	683.17	3/4	326.65	3/4		3/4		3/4		3/4	
7	2,086.72	7	1,730.87	7	1,375.07	7	1,025.94	7	675.74	7	319.22	7		7		7		7	
1/4	2,079.29	1/4	1,723.47	1/4	1,367.64	1/4	1,018.79	1/4	668.31	1/4	311.80	1/4		1/4		1/4		1/4	
1/2	2,071.87	1/2	1,716.07	1/2	1,360.22	1/2	1,011.65	1/2	660.88	1/2	304.37	1/2		1/2		1/2		1/2	
3/4	2,064.44	3/4	1,708.67	3/4	1,352.79	3/4	1,004.51	3/4	653.46	3/4	296.94	3/4		3/4		3/4		3/4	
8	2,057.02	8	1,701.27	8	1,345.37	8	997.37	8	646.03	8	289.51	8		8		8		8	
1/4	2,049.59	1/4	1,693.87	1/4	1,337.94	1/4	990.23	1/4	638.60	1/4	282.09	1/4		1/4		1/4		1/4	
1/2	2,042.16	1/2	1,686.47	1/2	1,330.51	1/2	983.09	1/2	631.18	1/2	274.66	1/2		1/2		1/2		1/2	
3/4	2,034.74	3/4	1,679.07	3/4	1,323.09	3/4	975.95	3/4	623.75	3/4	267.23	3/4		3/4		3/4		3/4	
9	2,027.31	9	1,671.67	9	1,315.66	9	968.81	9	616.32	9	259.81	9		9		9		9	
1/4	2,019.89	1/4	1,664.27	1/4	1,308.23	1/4	961.68	1/4	608.89	1/4	252.38	1/4		1/4		1/4		1/4	
1/2	2,012.46	1/2	1,656.87	1/2	1,300.81	1/2	954.54	1/2	601.47	1/2	244.95	1/2		1/2		1/2		1/2	
3/4	2,005.03	3/4	1,649.47	3/4	1,293.38	3/4	947.40	3/4	594.04	3/4	237.52	3/4		3/4		3/4		3/4	
10	1,997.61	10	1,642.07	10	1,285.96	10	940.27	10	586.61	10	230.10	10		10		10		10	
1/4	1,990.18	1/4	1,634.67	1/4	1,278.53	1/4	933.13	1/4	579.18	1/4	222.67	1/4		1/4		1/4		1/4	
1/2	1,982.76	1/2	1,627.27	1/2	1,271.10	1/2	925.99	1/2	571.76	1/2	215.24	1/2		1/2		1/2		1/2	
3/4	1,975.33	3/4	1,619.87	3/4	1,263.68	3/4	918.85	3/4	564.33	3/4	207.81	3/4		3/4		3/4		3/4	
11	1,967.90	11	1,612.47	11	1,256.25	11	911.72	11	556.90	11	200.39	11		11		11		11	
1/4	1,960.48	1/4	1,605.07	1/4	1,248.83	1/4	904.58	1/4	549.47	1/4	192.96	1/4		1/4		1/4		1/4	
1/2	1,953.05	1/2	1,597.67	1/2	1,241.40	1/2	897.44	1/2	542.05	1/2	185.53	1/2		1/2		1/2		1/2	
3/4	1,945.62	3/4	1,590.27	3/4	1,233.97	3/4	890.30	3/4	534.62	3/4	178.10	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/18/2014 CL
CALCULATED: 09/19/2014 CL
PRINTED: 09/19/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
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<http://www.pmacorp.net>



BARGE "KIRBY 29117"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,391.91	0	4,149.81	0	3,901.83	0	3,641.86	0	3,370.09	0	3,019.77	0	2,662.69
1/4		1/4		1/4		1/4	4,387.26	1/4	4,144.75	1/4	3,896.53	1/4	3,636.31	1/4	3,364.34	1/4	3,012.33	1/4	2,655.25
1/2		1/2		1/2		1/2	4,382.61	1/2	4,139.70	1/2	3,891.22	1/2	3,630.76	1/2	3,358.59	1/2	3,004.89	1/2	2,647.81
3/4		3/4		3/4		3/4	4,377.97	3/4	4,134.65	3/4	3,885.92	3/4	3,625.21	3/4	3,352.84	3/4	2,997.45	3/4	2,640.37
1		1		1		1	4,373.32	1	4,129.60	1	3,880.61	1	3,619.66	1	3,347.10	1	2,990.01	1	2,632.93
1/4		1/4		1/4		1/4	4,369.12	1/4	4,124.53	1/4	3,875.29	1/4	3,614.08	1/4	3,339.66	1/4	2,982.58	1/4	2,625.49
1/2		1/2		1/2		1/2	4,364.92	1/2	4,119.46	1/2	3,869.97	1/2	3,608.51	1/2	3,332.22	1/2	2,975.14	1/2	2,618.05
3/4		3/4		3/4		3/4	4,360.73	3/4	4,114.39	3/4	3,864.64	3/4	3,602.93	3/4	3,324.78	3/4	2,967.70	3/4	2,610.62
2		2		2		2	4,356.53	2	4,109.32	2	3,859.32	2	3,597.35	2	3,317.34	2	2,960.26	2	2,603.18
1/4		1/4		1/4		1/4	4,351.13	1/4	4,104.22	1/4	3,853.98	1/4	3,591.76	1/4	3,309.90	1/4	2,952.82	1/4	2,595.74
1/2		1/2		1/2		1/2	4,345.73	1/2	4,099.13	1/2	3,848.64	1/2	3,586.17	1/2	3,302.46	1/2	2,945.38	1/2	2,588.30
3/4		3/4		3/4		3/4	4,340.33	3/4	4,094.04	3/4	3,843.30	3/4	3,580.58	3/4	3,295.02	3/4	2,937.94	3/4	2,580.86
3		3		3		3	4,334.93	3	4,088.94	3	3,837.96	3	3,574.98	3	3,287.58	3	2,930.50	3	2,573.42
1/4		1/4		1/4		1/4	4,329.19	1/4	4,083.83	1/4	3,832.60	1/4	3,569.37	1/4	3,280.14	1/4	2,923.06	1/4	2,565.98
1/2		1/2		1/2		1/2	4,323.44	1/2	4,078.72	1/2	3,827.23	1/2	3,563.76	1/2	3,272.70	1/2	2,915.62	1/2	2,558.54
3/4		3/4		3/4		3/4	4,317.69	3/4	4,073.61	3/4	3,821.87	3/4	3,558.15	3/4	3,265.27	3/4	2,908.18	3/4	2,551.10
4		4		4		4	4,311.95	4	4,068.49	4	3,816.50	4	3,552.54	4	3,257.83	4	2,900.74	4	2,543.66
1/4		1/4		1/4		1/4	4,306.20	1/4	4,063.36	1/4	3,811.12	1/4	3,546.90	1/4	3,250.39	1/4	2,893.31	1/4	2,536.22
1/2		1/2		1/2		1/2	4,300.45	1/2	4,058.22	1/2	3,805.74	1/2	3,541.27	1/2	3,242.95	1/2	2,885.87	1/2	2,528.78
3/4		3/4		3/4		3/4	4,294.71	3/4	4,053.09	3/4	3,800.35	3/4	3,535.64	3/4	3,235.51	3/4	2,878.43	3/4	2,521.35
5		5		5		5	4,288.96	5	4,047.95	5	3,794.97	5	3,530.00	5	3,228.07	5	2,870.99	5	2,513.91
1/4		1/4		1/4		1/4	4,284.05	1/4	4,042.80	1/4	3,789.57	1/4	3,524.35	1/4	3,220.63	1/4	2,863.55	1/4	2,506.47
1/2		1/2		1/2		1/2	4,279.15	1/2	4,037.64	1/2	3,784.16	1/2	3,518.69	1/2	3,213.19	1/2	2,856.11	1/2	2,499.03
3/4		3/4		3/4		3/4	4,274.24	3/4	4,032.49	3/4	3,778.75	3/4	3,513.04	3/4	3,205.75	3/4	2,848.67	3/4	2,491.59
6		6		6		6	4,269.33	6	4,027.34	6	3,773.35	6	3,507.39	6	3,198.31	6	2,841.23	6	2,484.15
1/4		1/4		1/4		1/4	4,264.41	1/4	4,022.16	1/4	3,767.92	1/4	3,501.71	1/4	3,190.87	1/4	2,833.79	1/4	2,476.71
1/2		1/2		1/2		1/2	4,259.48	1/2	4,016.98	1/2	3,762.50	1/2	3,496.03	1/2	3,183.43	1/2	2,826.35	1/2	2,469.27
3/4		3/4		3/4		3/4	4,254.55	3/4	4,011.80	3/4	3,757.07	3/4	3,490.36	3/4	3,175.99	3/4	2,818.91	3/4	2,461.83
7		7		7		7	4,249.63	7	4,006.63	7	3,751.65	7	3,484.68	7	3,168.56	7	2,811.47	7	2,454.39
1/4		1/4		1/4		1/4	4,244.68	1/4	4,001.43	1/4	3,746.20	1/4	3,478.99	1/4	3,161.12	1/4	2,804.03	1/4	2,446.95
1/2		1/2		1/2		1/2	4,239.73	1/2	3,996.23	1/2	3,740.75	1/2	3,473.29	1/2	3,153.68	1/2	2,796.60	1/2	2,439.51
3/4		3/4		3/4		3/4	4,234.78	3/4	3,991.04	3/4	3,735.31	3/4	3,467.60	3/4	3,146.24	3/4	2,789.16	3/4	2,432.07
8		8		8		8	4,229.83	8	3,985.84	8	3,729.86	8	3,461.90	8	3,138.80	8	2,781.72	8	2,424.64
1/4		1/4		1/4		1/4	4,224.86	1/4	3,980.62	1/4	3,724.39	1/4	3,456.18	1/4	3,131.36	1/4	2,774.28	1/4	2,417.20
1/2		1/2		1/2		1/2	4,219.89	1/2	3,975.40	1/2	3,718.92	1/2	3,450.46	1/2	3,123.92	1/2	2,766.84	1/2	2,409.76
3/4		3/4		3/4		3/4	4,214.92	3/4	3,970.18	3/4	3,713.46	3/4	3,444.75	3/4	3,116.48	3/4	2,759.40	3/4	2,402.32
9		9		9		9	4,209.96	9	3,964.96	9	3,707.99	9	3,439.03	9	3,109.04	9	2,751.96	9	2,394.88
1/4		1/4		1/4		1/4	4,204.96	1/4	3,959.72	1/4	3,702.50	1/4	3,433.29	1/4	3,101.60	1/4	2,744.52	1/4	2,387.44
1/2		1/2		1/2		1/2	4,199.97	1/2	3,954.48	1/2	3,697.01	1/2	3,427.55	1/2	3,094.16	1/2	2,737.08	1/2	2,380.00
3/4		3/4		3/4		3/4	4,194.98	3/4	3,949.24	3/4	3,691.52	3/4	3,421.81	3/4	3,086.72	3/4	2,729.64	3/4	2,372.56
10		10		10		10	4,189.99	10	3,944.01	10	3,686.03	10	3,416.08	10	3,079.29	10	2,722.20	10	2,365.12
1/4		1/4		1/4		1/4	4,184.98	1/4	3,938.74	1/4	3,680.52	1/4	3,410.33	1/4	3,071.85	1/4	2,714.76	1/4	2,357.68
1/2		1/2		1/2		1/2	4,179.97	1/2	3,933.48	1/2	3,675.01	1/2	3,404.58	1/2	3,064.41	1/2	2,707.33	1/2	2,350.24
3/4		3/4		3/4		3/4	4,174.96	3/4	3,928.22	3/4	3,669.50	3/4	3,398.83	3/4	3,056.97	3/4	2,699.89	3/4	2,342.80
11		11		11		11	4,169.95	11	3,922.95	11	3,663.99	11	3,393.08	11	3,049.53	11	2,692.45	11	2,335.37
1/4		1/4		1/4		1/4	4,164.91	1/4	3,917.67	1/4	3,658.46	1/4	3,387.34	1/4	3,042.09	1/4	2,685.01	1/4	2,327.93
1/2		1/2		1/2		1/2	4,159.88	1/2	3,912.39	1/2	3,652.93	1/2	3,381.59	1/2	3,034.65	1/2	2,677.57	1/2	2,320.49
3/4		3/4		3/4		3/4	4,154.84	3/4	3,907.11	3/4	3,647.39	3/4	3,375.84	3/4	3,027.21	3/4	2,670.13	3/4	2,313.05

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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



BARGE "KIRBY 29117"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,305.61	0	1,948.53	0	1,591.45	0	1,234.36	0	877.52	0	520.59	0	163.52	0		0		0	
1/4	2,298.17	1/4	1,941.09	1/4	1,584.01	1/4	1,226.92	1/4	870.09	1/4	513.15	1/4	156.08	1/4		1/4		1/4	
1/2	2,290.73	1/2	1,933.65	1/2	1,576.57	1/2	1,219.49	1/2	862.67	1/2	505.71	1/2	148.64	1/2		1/2		1/2	
3/4	2,283.29	3/4	1,926.21	3/4	1,569.13	3/4	1,212.05	3/4	855.24	3/4	498.27	3/4	141.20	3/4		3/4		3/4	
1	2,275.85	1	1,918.77	1	1,561.69	1	1,204.61	1	847.81	1	490.83	1	133.76	1		1		1	
1/4	2,268.41	1/4	1,911.33	1/4	1,554.25	1/4	1,197.17	1/4	840.38	1/4	483.39	1/4	126.32	1/4		1/4		1/4	
1/2	2,260.97	1/2	1,903.89	1/2	1,546.81	1/2	1,189.73	1/2	832.96	1/2	475.95	1/2	118.88	1/2		1/2		1/2	
3/4	2,253.53	3/4	1,896.45	3/4	1,539.37	3/4	1,182.29	3/4	825.53	3/4	468.52	3/4	111.44	3/4		3/4		3/4	
2	2,246.09	2	1,889.01	2	1,531.93	2	1,174.85	2	818.10	2	461.08	2	104.01	2		2		2	
1/4	2,238.66	1/4	1,881.57	1/4	1,524.49	1/4	1,167.41	1/4	810.67	1/4	453.64	1/4	96.88	1/4		1/4		1/4	
1/2	2,231.22	1/2	1,874.13	1/2	1,517.05	1/2	1,159.97	1/2	803.25	1/2	446.20	1/2	89.76	1/2		1/2		1/2	
3/4	2,223.78	3/4	1,866.70	3/4	1,509.61	3/4	1,152.53	3/4	795.82	3/4	438.76	3/4	82.63	3/4		3/4		3/4	
3	2,216.34	3	1,859.26	3	1,502.17	3	1,145.09	3	788.39	3	431.32	3	75.51	3		3		3	
1/4	2,208.90	1/4	1,851.82	1/4	1,494.74	1/4	1,137.65	1/4	780.95	1/4	423.88	1/4	69.32	1/4		1/4		1/4	
1/2	2,201.46	1/2	1,844.38	1/2	1,487.30	1/2	1,130.21	1/2	773.51	1/2	416.44	1/2	63.14	1/2		1/2		1/2	
3/4	2,194.02	3/4	1,836.94	3/4	1,479.86	3/4	1,122.78	3/4	766.08	3/4	409.00	3/4	56.95	3/4		3/4		3/4	
4	2,186.58	4	1,829.50	4	1,472.42	4	1,115.34	4	758.64	4	401.56	4	50.77	4		4		4	
1/4	2,179.14	1/4	1,822.06	1/4	1,464.98	1/4	1,107.90	1/4	751.20	1/4	394.13	1/4	45.83	1/4		1/4		1/4	
1/2	2,171.70	1/2	1,814.62	1/2	1,457.54	1/2	1,100.46	1/2	743.76	1/2	386.69	1/2	40.90	1/2		1/2		1/2	
3/4	2,164.26	3/4	1,807.18	3/4	1,450.10	3/4	1,093.02	3/4	736.32	3/4	379.25	3/4	35.97	3/4		3/4		3/4	
5	2,156.82	5	1,799.74	5	1,442.66	5	1,085.58	5	728.88	5	371.81	5	31.04	5		5		5	
1/4	2,149.39	1/4	1,792.30	1/4	1,435.22	1/4	1,078.14	1/4	721.44	1/4	364.37	1/4	27.37	1/4		1/4		1/4	
1/2	2,141.95	1/2	1,784.86	1/2	1,427.78	1/2	1,070.70	1/2	714.00	1/2	356.93	1/2	23.70	1/2		1/2		1/2	
3/4	2,134.51	3/4	1,777.43	3/4	1,420.34	3/4	1,063.26	3/4	706.56	3/4	349.49	3/4	20.04	3/4		3/4		3/4	
6	2,127.07	6	1,769.99	6	1,412.90	6	1,055.82	6	699.12	6	342.05	6	16.37	6		6		6	
1/4	2,119.63	1/4	1,762.55	1/4	1,405.47	1/4	1,048.38	1/4	691.69	1/4	334.61	1/4		1/4		1/4		1/4	
1/2	2,112.19	1/2	1,755.11	1/2	1,398.03	1/2	1,040.94	1/2	684.25	1/2	327.17	1/2		1/2		1/2		1/2	
3/4	2,104.75	3/4	1,747.67	3/4	1,390.59	3/4	1,033.51	3/4	676.81	3/4	319.74	3/4		3/4		3/4		3/4	
7	2,097.31	7	1,740.23	7	1,383.15	7	1,026.07	7	669.37	7	312.30	7		7		7		7	
1/4	2,089.87	1/4	1,732.79	1/4	1,375.71	1/4	1,018.64	1/4	661.93	1/4	304.86	1/4		1/4		1/4		1/4	
1/2	2,082.43	1/2	1,725.35	1/2	1,368.27	1/2	1,011.21	1/2	654.49	1/2	297.42	1/2		1/2		1/2		1/2	
3/4	2,074.99	3/4	1,717.91	3/4	1,360.83	3/4	1,003.78	3/4	647.05	3/4	289.98	3/4		3/4		3/4		3/4	
8	2,067.55	8	1,710.47	8	1,353.39	8	996.36	8	639.61	8	282.54	8		8		8		8	
1/4	2,060.11	1/4	1,703.03	1/4	1,345.95	1/4	988.93	1/4	632.17	1/4	275.10	1/4		1/4		1/4		1/4	
1/2	2,052.68	1/2	1,695.59	1/2	1,338.51	1/2	981.50	1/2	624.73	1/2	267.66	1/2		1/2		1/2		1/2	
3/4	2,045.24	3/4	1,688.15	3/4	1,331.07	3/4	974.07	3/4	617.30	3/4	260.22	3/4		3/4		3/4		3/4	
9	2,037.80	9	1,680.72	9	1,323.63	9	966.65	9	609.86	9	252.78	9		9		9		9	
1/4	2,030.36	1/4	1,673.28	1/4	1,316.19	1/4	959.22	1/4	602.42	1/4	245.35	1/4		1/4		1/4		1/4	
1/2	2,022.92	1/2	1,665.84	1/2	1,308.76	1/2	951.79	1/2	594.98	1/2	237.91	1/2		1/2		1/2		1/2	
3/4	2,015.48	3/4	1,658.40	3/4	1,301.32	3/4	944.37	3/4	587.54	3/4	230.47	3/4		3/4		3/4		3/4	
10	2,008.04	10	1,650.96	10	1,293.88	10	936.94	10	580.10	10	223.03	10		10		10		10	
1/4	2,000.60	1/4	1,643.52	1/4	1,286.44	1/4	929.51	1/4	572.66	1/4	215.59	1/4		1/4		1/4		1/4	
1/2	1,993.16	1/2	1,636.08	1/2	1,279.00	1/2	922.08	1/2	565.22	1/2	208.15	1/2		1/2		1/2		1/2	
3/4	1,985.72	3/4	1,628.64	3/4	1,271.56	3/4	914.66	3/4	557.78	3/4	200.71	3/4		3/4		3/4		3/4	
11	1,978.28	11	1,621.20	11	1,264.12	11	907.23	11	550.34	11	193.27	11		11		11		11	
1/4	1,970.84	1/4	1,613.76	1/4	1,256.68	1/4	899.80	1/4	542.91	1/4	185.83	1/4		1/4		1/4		1/4	
1/2	1,963.41	1/2	1,606.32	1/2	1,249.24	1/2	892.37	1/2	535.47	1/2	178.39	1/2		1/2		1/2		1/2	
3/4	1,955.97	3/4	1,598.88	3/4	1,241.80	3/4	884.95	3/4	528.03	3/4	170.96	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/18/2014 CL
CALCULATED: 09/19/2014 CL
PRINTED: 09/19/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2014

PRECISION MEASUREMENT
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