



# BARGE "KIRBY 29111"

## ULLAGE TRIM TABLE

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

(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"

June 1, 2023

PRECISION MEASUREMENT  
 & ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 29111"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

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

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
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# BARGE "KIRBY 29111"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,427.34	0	2,049.26	0	1,671.17	0	1,294.43	0	917.16	0	539.10	0	189.49	0		0		0	
1/4	2,419.47	1/4	2,041.38	1/4	1,663.29	1/4	1,286.60	1/4	909.28	1/4	531.24	1/4	182.86	1/4	1/4		1/4		1/4
1/2	2,411.59	1/2	2,033.50	1/2	1,655.42	1/2	1,278.77	1/2	901.41	1/2	523.37	1/2	176.22	1/2	1/2		1/2		1/2
3/4	2,403.71	3/4	2,025.63	3/4	1,647.54	3/4	1,270.94	3/4	893.53	3/4	515.55	3/4	169.70	3/4	3/4		3/4		3/4
1	2,395.84	1	2,017.75	1	1,639.66	1	1,263.12	1	885.65	1	507.73	1	163.18	1	1		1		1
1/4	2,387.96	1/4	2,009.87	1/4	1,631.79	1/4	1,255.29	1/4	877.78	1/4	499.92	1/4	156.66	1/4	1/4		1/4		1/4
1/2	2,380.08	1/2	2,002.00	1/2	1,623.91	1/2	1,247.46	1/2	869.90	1/2	492.10	1/2	150.14	1/2	1/2		1/2		1/2
3/4	2,372.21	3/4	1,994.12	3/4	1,616.03	3/4	1,239.63	3/4	862.02	3/4	484.37	3/4	143.74	3/4	3/4		3/4		3/4
2	2,364.33	2	1,986.24	2	1,608.16	2	1,231.81	2	854.15	2	476.65	2	137.34	2	2		2		2
1/4	2,356.45	1/4	1,978.37	1/4	1,600.28	1/4	1,223.98	1/4	846.27	1/4	468.92	1/4	130.93	1/4	1/4		1/4		1/4
1/2	2,348.58	1/2	1,970.49	1/2	1,592.40	1/2	1,216.15	1/2	838.39	1/2	461.19	1/2	124.53	1/2	1/2		1/2		1/2
3/4	2,340.70	3/4	1,962.61	3/4	1,584.53	3/4	1,208.32	3/4	830.52	3/4	453.58	3/4	118.24	3/4	3/4		3/4		3/4
3	2,332.82	3	1,954.74	3	1,576.65	3	1,200.50	3	822.64	3	445.96	3	111.96	3	3		3		3
1/4	2,324.95	1/4	1,946.86	1/4	1,568.77	1/4	1,192.67	1/4	814.76	1/4	438.34	1/4	105.68	1/4	1/4		1/4		1/4
1/2	2,317.07	1/2	1,938.98	1/2	1,560.90	1/2	1,184.84	1/2	806.89	1/2	430.73	1/2	99.40	1/2	1/2		1/2		1/2
3/4	2,309.19	3/4	1,931.11	3/4	1,553.03	3/4	1,177.00	3/4	799.01	3/4	423.22	3/4	93.24	3/4	3/4		3/4		3/4
4	2,301.32	4	1,923.23	4	1,545.16	4	1,169.15	4	791.14	4	415.71	4	87.09	4	4		4		4
1/4	2,293.44	1/4	1,915.35	1/4	1,537.30	1/4	1,161.30	1/4	783.26	1/4	408.20	1/4	80.93	1/4	1/4		1/4		1/4
1/2	2,285.56	1/2	1,907.48	1/2	1,529.43	1/2	1,153.46	1/2	775.38	1/2	400.70	1/2	74.78	1/2	1/2		1/2		1/2
3/4	2,277.68	3/4	1,899.60	3/4	1,521.59	3/4	1,145.58	3/4	767.51	3/4	393.30	3/4	68.77	3/4	3/4		3/4		3/4
5	2,269.81	5	1,891.72	5	1,513.74	5	1,137.71	5	759.63	5	385.90	5	62.75	5	5		5		5
1/4	2,261.93	1/4	1,883.84	1/4	1,505.89	1/4	1,129.83	1/4	751.75	1/4	378.50	1/4	56.74	1/4	1/4		1/4		1/4
1/2	2,254.05	1/2	1,875.97	1/2	1,498.04	1/2	1,121.95	1/2	743.88	1/2	371.11	1/2	50.73	1/2	1/2		1/2		1/2
3/4	2,246.18	3/4	1,868.09	3/4	1,490.20	3/4	1,114.08	3/4	736.00	3/4	363.82	3/4	45.31	3/4	3/4		3/4		3/4
6	2,238.30	6	1,860.21	6	1,482.36	6	1,106.20	6	728.12	6	356.53	6	39.89	6	6		6		6
1/4	2,230.42	1/4	1,852.34	1/4	1,474.52	1/4	1,098.32	1/4	720.25	1/4	349.24	1/4	34.47	1/4	1/4		1/4		1/4
1/2	2,222.55	1/2	1,844.46	1/2	1,466.67	1/2	1,090.45	1/2	712.37	1/2	341.95	1/2	29.05	1/2	1/2		1/2		1/2
3/4	2,214.67	3/4	1,836.58	3/4	1,458.84	3/4	1,082.57	3/4	704.49	3/4	334.77	3/4	25.09	3/4	3/4		3/4		3/4
7	2,206.79	7	1,828.71	7	1,451.00	7	1,074.69	7	696.62	7	327.59	7	21.12	7	7		7		7
1/4	2,198.92	1/4	1,820.83	1/4	1,443.17	1/4	1,066.82	1/4	688.74	1/4	320.42	1/4	17.16	1/4	1/4		1/4		1/4
1/2	2,191.04	1/2	1,812.95	1/2	1,435.34	1/2	1,058.94	1/2	680.86	1/2	313.24	1/2	13.19	1/2	1/2		1/2		1/2
3/4	2,183.16	3/4	1,805.08	3/4	1,427.50	3/4	1,051.06	3/4	672.99	3/4	306.17	3/4		3/4	3/4		3/4		3/4
8	2,175.29	8	1,797.20	8	1,419.67	8	1,043.19	8	665.11	8	299.10	8		8	8		8		8
1/4	2,167.41	1/4	1,789.32	1/4	1,411.84	1/4	1,035.31	1/4	657.23	1/4	292.03	1/4		1/4	1/4		1/4		1/4
1/2	2,159.53	1/2	1,781.45	1/2	1,404.01	1/2	1,027.43	1/2	649.36	1/2	284.96	1/2		1/2	1/2		1/2		1/2
3/4	2,151.66	3/4	1,773.57	3/4	1,396.18	3/4	1,019.56	3/4	641.48	3/4	278.00	3/4		3/4	3/4		3/4		3/4
9	2,143.78	9	1,765.69	9	1,388.35	9	1,011.68	9	633.60	9	271.04	9		9	9		9		9
1/4	2,135.90	1/4	1,757.82	1/4	1,380.53	1/4	1,003.80	1/4	625.73	1/4	264.08	1/4		1/4	1/4		1/4		1/4
1/2	2,128.03	1/2	1,749.94	1/2	1,372.70	1/2	995.93	1/2	617.85	1/2	257.12	1/2		1/2	1/2		1/2		1/2
3/4	2,120.15	3/4	1,742.06	3/4	1,364.87	3/4	988.05	3/4	609.97	3/4	250.27	3/4		3/4	3/4		3/4		3/4
10	2,112.27	10	1,734.19	10	1,357.04	10	980.17	10	602.10	10	243.42	10		10	10		10		10
1/4	2,104.40	1/4	1,726.31	1/4	1,349.22	1/4	972.30	1/4	594.22	1/4	236.57	1/4		1/4	1/4		1/4		1/4
1/2	2,096.52	1/2	1,718.43	1/2	1,341.39	1/2	964.42	1/2	586.34	1/2	229.72	1/2		1/2	1/2		1/2		1/2
3/4	2,088.64	3/4	1,710.56	3/4	1,333.56	3/4	956.54	3/4	578.47	3/4	222.97	3/4		3/4	3/4		3/4		3/4
11	2,080.76	11	1,702.68	11	1,325.74	11	948.67	11	570.59	11	216.23	11		11	11		11		11
1/4	2,072.89	1/4	1,694.80	1/4	1,317.91	1/4	940.79	1/4	562.71	1/4	209.49	1/4		1/4	1/4		1/4		1/4
1/2	2,065.01	1/2	1,686.92	1/2	1,310.08	1/2	932.91	1/2	554.84	1/2	202.75	1/2		1/2	1/2		1/2		1/2
3/4	2,057.13	3/4	1,679.05	3/4	1,302.25	3/4	925.04	3/4	546.97	3/4	196.12	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2013 CL - SW  
CALCULATED: 03/20/2013 CL  
VERIFIED: 06/01/2023

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2023

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



# BARGE "KIRBY 29111"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	4,960.58	0	4,628.00	0	4,288.80	0	3,933.09	0	3,561.43	0	3,184.93	0	2,806.89		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,955.20	1/4	4,621.11	1/4	4,281.56	1/4	3,925.51	1/4	3,553.58	1/4	3,177.05	1/4	2,799.01		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,949.82	1/2	4,614.22	1/2	4,274.32	1/2	3,917.93	1/2	3,545.74	1/2	3,169.18	1/2	2,791.13		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,943.14	3/4	4,607.29	3/4	4,267.05	3/4	3,910.31	3/4	3,537.90	3/4	3,161.30	3/4	2,783.26		
1		1		1		1	4,936.46	1	4,600.37	1	4,259.78	1	3,902.70	1	3,530.06	1	3,153.42	1	2,775.38		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,929.79	1/4	4,593.45	1/4	4,252.52	1/4	3,895.08	1/4	3,522.22	1/4	3,145.55	1/4	2,767.51		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,923.11	1/2	4,586.53	1/2	4,245.25	1/2	3,887.47	1/2	3,514.38	1/2	3,137.67	1/2	2,759.63		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,915.50	3/4	4,579.58	3/4	4,237.96	3/4	3,879.83	3/4	3,506.54	3/4	3,129.80	3/4	2,751.75		
2		2		2		2	4,907.89	2	4,572.63	2	4,230.66	2	3,872.19	2	3,498.70	2	3,121.92	2	2,743.88		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,900.27	1/4	4,565.68	1/4	4,223.37	1/4	3,864.55	1/4	3,490.86	1/4	3,114.05	1/4	2,736.00		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,892.66	1/2	4,558.73	1/2	4,216.08	1/2	3,856.91	1/2	3,483.02	1/2	3,106.17	1/2	2,728.13		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,884.82	3/4	4,551.75	3/4	4,208.75	3/4	3,849.25	3/4	3,475.17	3/4	3,098.29	3/4	2,720.25		
3		3		3		3	4,876.98	3	4,544.77	3	4,201.43	3	3,841.58	3	3,467.33	3	3,090.42	3	2,712.37		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,869.14	1/4	4,537.79	1/4	4,194.11	1/4	3,833.91	1/4	3,459.49	1/4	3,082.54	1/4	2,704.50		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,861.30	1/2	4,530.81	1/2	4,186.78	1/2	3,826.25	1/2	3,451.65	1/2	3,074.67	1/2	2,696.62		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,853.89	3/4	4,523.80	3/4	4,179.43	3/4	3,818.55	3/4	3,443.81	3/4	3,066.79	3/4	2,688.75		
4		4		4		4	4,846.48	4	4,516.79	4	4,172.08	4	3,810.85	4	3,435.97	4	3,058.91	4	2,680.87		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,839.08	1/4	4,509.78	1/4	4,164.73	1/4	3,803.16	1/4	3,428.13	1/4	3,051.04	1/4	2,673.00		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,831.67	1/2	4,502.77	1/2	4,157.37	1/2	3,795.46	1/2	3,420.29	1/2	3,043.16	1/2	2,665.12		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,824.97	3/4	4,495.74	3/4	4,149.99	3/4	3,787.74	3/4	3,412.45	3/4	3,035.29	3/4	2,657.24		
5		5		5		5	4,818.28	5	4,488.70	5	4,142.61	5	3,780.01	5	3,404.61	5	3,027.41	5	2,649.37		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,811.59	1/4	4,481.66	1/4	4,135.23	1/4	3,772.29	1/4	3,396.76	1/4	3,019.53	1/4	2,641.49		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,804.89	1/2	4,474.63	1/2	4,127.85	1/2	3,764.56	1/2	3,388.92	1/2	3,011.66	1/2	2,633.62		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,798.17	3/4	4,467.56	3/4	4,120.44	3/4	3,756.81	3/4	3,381.08	3/4	3,003.78	3/4	2,625.74		
6		6		6		6	4,791.45	6	4,460.49	6	4,113.03	6	3,749.05	6	3,373.24	6	2,995.91	6	2,617.86		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,784.72	1/4	4,453.43	1/4	4,105.62	1/4	3,741.30	1/4	3,365.40	1/4	2,988.03	1/4	2,609.99		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,778.00	1/2	4,446.36	1/2	4,098.21	1/2	3,733.55	1/2	3,357.56	1/2	2,980.16	1/2	2,602.11		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,771.25	3/4	4,439.26	3/4	4,090.77	3/4	3,725.76	3/4	3,349.72	3/4	2,972.28	3/4	2,594.24		
7		7		7		7	4,764.50	7	4,432.17	7	4,083.33	7	3,717.98	7	3,341.88	7	2,964.40	7	2,586.36		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,757.74	1/4	4,425.07	1/4	4,075.89	1/4	3,710.20	1/4	3,334.04	1/4	2,956.53	1/4	2,578.48		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,750.99	1/2	4,417.98	1/2	4,068.45	1/2	3,702.42	1/2	3,326.20	1/2	2,948.65	1/2	2,570.61		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,744.21	3/4	4,410.85	3/4	4,060.98	3/4	3,694.61	3/4	3,318.35	3/4	2,940.78	3/4	2,562.73		
8		8		8		8	4,737.43	8	4,403.73	8	4,053.52	8	3,686.79	8	3,310.51	8	2,932.90	8	2,554.86		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,730.65	1/4	4,396.60	1/4	4,046.05	1/4	3,678.98	1/4	3,302.67	1/4	2,925.02	1/4	2,546.98		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,723.87	1/2	4,389.48	1/2	4,038.58	1/2	3,671.17	1/2	3,294.83	1/2	2,917.15	1/2	2,539.10		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,717.06	3/4	4,382.32	3/4	4,031.08	3/4	3,663.34	3/4	3,286.99	3/4	2,909.27	3/4	2,531.23		
9		9		9		9	4,710.24	9	4,375.17	9	4,023.59	9	3,655.50	9	3,279.15	9	2,901.40	9	2,523.35		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,703.43	1/4	4,368.02	1/4	4,016.09	1/4	3,647.67	1/4	3,271.31	1/4	2,893.52	1/4	2,515.48		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,696.62	1/2	4,360.86	1/2	4,008.59	1/2	3,639.84	1/2	3,263.47	1/2	2,885.64	1/2	2,507.60		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,689.78	3/4	4,353.68	3/4	4,001.06	3/4	3,631.99	3/4	3,255.63	3/4	2,877.77	3/4	2,499.73		
10		10		10		10	4,682.94	10	4,346.50	10	3,993.54	10	3,624.15	10	3,247.79	10	2,869.89	10	2,491.85		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,676.11	1/4	4,339.31	1/4	3,986.01	1/4	3,616.31	1/4	3,239.94	1/4	2,862.02	1/4	2,483.97		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,669.27	1/2	4,332.13	1/2	3,978.49	1/2	3,608.47	1/2	3,232.10	1/2	2,854.14	1/2	2,476.10		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,662.40	3/4	4,324.92	3/4	3,970.93	3/4	3,600.63	3/4	3,224.25	3/4	2,846.26	3/4	2,468.22		
11		11		11		11	4,655.53	11	4,317.71	11	3,963.37	11	3,592.79	11	3,216.39	11	2,838.39	11	2,460.35		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,648.66	1/4	4,310.50	1/4	3,955.82	1/4	3,584.95	1/4	3,208.54	1/4	2,830.51	1/4	2,452.47		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,641.79	1/2	4,303.28	1/2	3,948.26	1/2	3,577.11	1/2	3,200.68	1/2	2,822.64	1/2	2,444.59		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,634.90	3/4	4,296.04	3/4	3,940.68	3/4	3,569.27	3/4	3,192.80	3/4	2,814.76	3/4	2,436.72		

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'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 29111"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,428.84	0	2,050.80	0	1,672.76	0	1,294.71	0	916.95	0	539.04	0	189.47	0		0		0	
1/4	2,420.97	1/4	2,042.92	1/4	1,664.88	1/4	1,286.84	1/4	909.09	1/4	531.18	1/4	182.83	1/4		1/4		1/4	
1/2	2,413.09	1/2	2,035.05	1/2	1,657.00	1/2	1,278.96	1/2	901.23	1/2	523.31	1/2	176.20	1/2		1/2		1/2	
3/4	2,405.21	3/4	2,027.17	3/4	1,649.13	3/4	1,271.08	3/4	893.36	3/4	515.49	3/4	169.68	3/4		3/4		3/4	
1	2,397.34	1	2,019.30	1	1,641.25	1	1,263.21	1	885.50	1	507.68	1	163.17	1		1		1	
1/4	2,389.46	1/4	2,011.42	1/4	1,633.38	1/4	1,255.33	1/4	877.64	1/4	499.86	1/4	156.65	1/4		1/4		1/4	
1/2	2,381.59	1/2	2,003.54	1/2	1,625.50	1/2	1,247.46	1/2	869.77	1/2	492.04	1/2	150.13	1/2		1/2		1/2	
3/4	2,373.71	3/4	1,995.67	3/4	1,617.62	3/4	1,239.58	3/4	861.90	3/4	484.32	3/4	143.72	3/4		3/4		3/4	
2	2,365.83	2	1,987.79	2	1,609.75	2	1,231.71	2	854.04	2	476.59	2	137.32	2		2		2	
1/4	2,357.96	1/4	1,979.92	1/4	1,601.87	1/4	1,223.83	1/4	846.17	1/4	468.87	1/4	130.92	1/4		1/4		1/4	
1/2	2,350.08	1/2	1,972.04	1/2	1,594.00	1/2	1,215.95	1/2	838.30	1/2	461.14	1/2	124.51	1/2		1/2		1/2	
3/4	2,342.21	3/4	1,964.16	3/4	1,586.12	3/4	1,208.08	3/4	830.42	3/4	453.52	3/4	118.23	3/4		3/4		3/4	
3	2,334.33	3	1,956.29	3	1,578.24	3	1,200.20	3	822.55	3	445.91	3	111.95	3		3		3	
1/4	2,326.46	1/4	1,948.41	1/4	1,570.37	1/4	1,192.33	1/4	814.67	1/4	438.29	1/4	105.67	1/4		1/4		1/4	
1/2	2,318.58	1/2	1,940.54	1/2	1,562.49	1/2	1,184.45	1/2	806.80	1/2	430.68	1/2	99.38	1/2		1/2		1/2	
3/4	2,310.70	3/4	1,932.66	3/4	1,554.62	3/4	1,176.57	3/4	798.92	3/4	423.17	3/4	93.23	3/4		3/4		3/4	
4	2,302.83	4	1,924.78	4	1,546.74	4	1,168.70	4	791.04	4	415.66	4	87.08	4		4		4	
1/4	2,294.95	1/4	1,916.91	1/4	1,538.87	1/4	1,160.82	1/4	783.17	1/4	408.16	1/4	80.92	1/4		1/4		1/4	
1/2	2,287.08	1/2	1,909.03	1/2	1,530.99	1/2	1,152.95	1/2	775.29	1/2	400.65	1/2	74.77	1/2		1/2		1/2	
3/4	2,279.20	3/4	1,901.16	3/4	1,523.11	3/4	1,145.07	3/4	767.42	3/4	393.25	3/4	68.76	3/4		3/4		3/4	
5	2,271.32	5	1,893.28	5	1,515.24	5	1,137.19	5	759.54	5	385.86	5	62.75	5		5		5	
1/4	2,263.45	1/4	1,885.41	1/4	1,507.36	1/4	1,129.32	1/4	751.67	1/4	378.46	1/4	56.74	1/4		1/4		1/4	
1/2	2,255.57	1/2	1,877.53	1/2	1,499.49	1/2	1,121.44	1/2	743.79	1/2	371.06	1/2	50.72	1/2		1/2		1/2	
3/4	2,247.70	3/4	1,869.65	3/4	1,491.61	3/4	1,113.57	3/4	735.91	3/4	363.78	3/4	45.31	3/4		3/4		3/4	
6	2,239.82	6	1,861.78	6	1,483.73	6	1,105.70	6	728.04	6	356.49	6	39.89	6		6		6	
1/4	2,231.94	1/4	1,853.90	1/4	1,475.86	1/4	1,097.83	1/4	720.16	1/4	349.20	1/4	34.47	1/4		1/4		1/4	
1/2	2,224.07	1/2	1,846.03	1/2	1,467.98	1/2	1,089.96	1/2	712.29	1/2	341.91	1/2	29.05	1/2		1/2		1/2	
3/4	2,216.19	3/4	1,838.15	3/4	1,460.11	3/4	1,082.09	3/4	704.41	3/4	334.73	3/4	25.09	3/4		3/4		3/4	
7	2,208.32	7	1,830.27	7	1,452.23	7	1,074.23	7	696.54	7	327.56	7	21.12	7		7		7	
1/4	2,200.44	1/4	1,822.40	1/4	1,444.35	1/4	1,066.37	1/4	688.66	1/4	320.38	1/4	17.16	1/4		1/4		1/4	
1/2	2,192.57	1/2	1,814.52	1/2	1,436.48	1/2	1,058.50	1/2	680.78	1/2	313.20	1/2	13.19	1/2		1/2		1/2	
3/4	2,184.69	3/4	1,806.65	3/4	1,428.60	3/4	1,050.64	3/4	672.91	3/4	306.13	3/4		3/4		3/4		3/4	
8	2,176.81	8	1,798.77	8	1,420.73	8	1,042.78	8	665.03	8	299.06	8		8		8		8	
1/4	2,168.94	1/4	1,790.89	1/4	1,412.85	1/4	1,034.91	1/4	657.16	1/4	291.99	1/4		1/4		1/4		1/4	
1/2	2,161.06	1/2	1,783.02	1/2	1,404.98	1/2	1,027.05	1/2	649.28	1/2	284.93	1/2		1/2		1/2		1/2	
3/4	2,153.19	3/4	1,775.14	3/4	1,397.10	3/4	1,019.18	3/4	641.41	3/4	277.97	3/4		3/4		3/4		3/4	
9	2,145.31	9	1,767.27	9	1,389.22	9	1,011.32	9	633.53	9	271.01	9		9		9		9	
1/4	2,137.43	1/4	1,759.39	1/4	1,381.35	1/4	1,003.46	1/4	625.65	1/4	264.05	1/4		1/4		1/4		1/4	
1/2	2,129.56	1/2	1,751.51	1/2	1,373.47	1/2	995.59	1/2	617.78	1/2	257.09	1/2		1/2		1/2		1/2	
3/4	2,121.68	3/4	1,743.64	3/4	1,365.60	3/4	987.73	3/4	609.90	3/4	250.24	3/4		3/4		3/4		3/4	
10	2,113.81	10	1,735.76	10	1,357.72	10	979.86	10	602.03	10	243.39	10		10		10		10	
1/4	2,105.93	1/4	1,727.89	1/4	1,349.84	1/4	972.00	1/4	594.15	1/4	236.54	1/4		1/4		1/4		1/4	
1/2	2,098.05	1/2	1,720.01	1/2	1,341.97	1/2	964.14	1/2	586.28	1/2	229.69	1/2		1/2		1/2		1/2	
3/4	2,090.18	3/4	1,712.14	3/4	1,334.09	3/4	956.27	3/4	578.40	3/4	222.95	3/4		3/4		3/4		3/4	
11	2,082.30	11	1,704.26	11	1,326.22	11	948.41	11	570.52	11	216.21	11		11		11		11	
1/4	2,074.43	1/4	1,696.38	1/4	1,318.34	1/4	940.55	1/4	562.65	1/4	209.47	1/4		1/4		1/4		1/4	
1/2	2,066.55	1/2	1,688.51	1/2	1,310.46	1/2	932.68	1/2	554.77	1/2	202.73	1/2		1/2		1/2		1/2	
3/4	2,058.67	3/4	1,680.63	3/4	1,302.59	3/4	924.82	3/4	546.91	3/4	196.10	3/4		3/4		3/4		3/4	

STRAPPED: 03/19/2013 CL - SW  
CALCULATED: 03/20/2013 CL  
VERIFIED: 06/01/2023

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "KIRBY 29111"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0		
1/4		1/4		1/4		1/4		1/4	4,455.12	1/4	4,132.01	1/4	3,793.77	1/4	3,440.82	1/4	3,083.24	1/4	2,724.20		
1/2		1/2		1/2		1/2	4,765.54	1/2	4,448.54	1/2	4,125.11	1/2	3,786.56	1/2	3,433.38	1/2	3,075.76	1/2	2,716.72		
3/4		3/4		3/4		3/4	4,760.43	3/4	4,441.96	3/4	4,118.22	3/4	3,779.35	3/4	3,425.93	3/4	3,068.28	3/4	2,709.24		
1	1	1	1	1	1	1	4,435.32	1	4,111.32	1	4,111.32	1	3,772.13	1	3,418.48	1	3,060.80	1	2,701.76		
1/4		1/4		1/4		1/4		1/4	4,748.98	1/4	4,428.78	1/4	4,104.40	1/4	3,764.89	1/4	3,411.03	1/4	3,053.32	1/4	2,694.28
1/2		1/2		1/2		1/2		1/2	4,742.63	1/2	4,422.18	1/2	4,097.48	1/2	3,757.65	1/2	3,403.58	1/2	3,045.84	1/2	2,686.80
3/4		3/4		3/4		3/4		3/4	4,736.29	3/4	4,415.57	3/4	4,090.55	3/4	3,750.41	3/4	3,396.14	3/4	3,038.36	3/4	2,679.32
2	2	2	2	2	2	2	4,729.95	2	4,408.97	2	4,083.63	2	3,743.17	2	3,388.69	2	3,030.88	2	2,671.84		
1/4		1/4		1/4		1/4		1/4	4,722.72	1/4	4,402.33	1/4	4,076.69	1/4	3,735.91	1/4	3,381.24	1/4	3,023.40	1/4	2,664.36
1/2		1/2		1/2		1/2		1/2	4,715.49	1/2	4,395.70	1/2	4,069.74	1/2	3,728.65	1/2	3,373.79	1/2	3,015.92	1/2	2,656.88
3/4		3/4		3/4		3/4		3/4	4,708.27	3/4	4,389.07	3/4	4,062.79	3/4	3,721.39	3/4	3,366.35	3/4	3,008.44	3/4	2,649.40
3	3	3	3	3	3	3	4,701.04	3	4,382.44	3	4,055.85	3	3,714.12	3	3,358.90	3	3,000.96	3	2,641.92		
1/4		1/4		1/4		1/4		1/4	4,693.59	1/4	4,375.78	1/4	4,048.87	1/4	3,706.84	1/4	3,351.45	1/4	2,993.48	1/4	2,634.44
1/2		1/2		1/2		1/2		1/2	4,686.14	1/2	4,369.12	1/2	4,041.90	1/2	3,699.55	1/2	3,344.00	1/2	2,986.00	1/2	2,626.96
3/4		3/4		3/4		3/4		3/4	4,678.70	3/4	4,362.46	3/4	4,034.93	3/4	3,692.26	3/4	3,336.55	3/4	2,978.52	3/4	2,619.48
4	4	4	4	4	4	4	4,671.25	4	4,355.81	4	4,027.95	4	3,684.97	4	3,329.11	4	2,971.04	4	2,612.00		
1/4		1/4		1/4		1/4		1/4	4,664.20	1/4	4,349.12	1/4	4,020.95	1/4	3,677.66	1/4	3,321.66	1/4	2,963.56	1/4	2,604.52
1/2		1/2		1/2		1/2		1/2	4,657.15	1/2	4,342.44	1/2	4,013.96	1/2	3,670.34	1/2	3,314.21	1/2	2,956.08	1/2	2,597.04
3/4		3/4		3/4		3/4		3/4	4,650.10	3/4	4,335.75	3/4	4,006.96	3/4	3,663.03	3/4	3,306.76	3/4	2,948.60	3/4	2,589.56
5	5	5	5	5	5	5	4,643.05	5	4,329.07	5	3,999.96	5	3,655.71	5	3,299.31	5	2,941.12	5	2,582.08		
1/4		1/4		1/4		1/4		1/4	4,636.65	1/4	4,322.36	1/4	3,992.93	1/4	3,648.37	1/4	3,291.87	1/4	2,933.64	1/4	2,574.60
1/2		1/2		1/2		1/2		1/2	4,630.25	1/2	4,315.64	1/2	3,985.90	1/2	3,641.03	1/2	3,284.42	1/2	2,926.16	1/2	2,567.12
3/4		3/4		3/4		3/4		3/4	4,623.86	3/4	4,308.93	3/4	3,978.88	3/4	3,633.69	3/4	3,276.97	3/4	2,918.68	3/4	2,559.64
6	6	6	6	6	6	6	4,617.46	6	4,302.22	6	3,971.85	6	3,626.35	6	3,269.52	6	2,911.20	6	2,552.16		
1/4		1/4		1/4		1/4		1/4	4,611.04	1/4	4,295.48	1/4	3,964.80	1/4	3,618.98	1/4	3,262.07	1/4	2,903.72	1/4	2,544.68
1/2		1/2		1/2		1/2		1/2	4,604.61	1/2	4,288.75	1/2	3,957.75	1/2	3,611.61	1/2	3,254.63	1/2	2,896.24	1/2	2,537.20
3/4		3/4		3/4		3/4		3/4	4,598.19	3/4	4,282.01	3/4	3,950.69	3/4	3,604.24	3/4	3,247.18	3/4	2,888.76	3/4	2,529.72
7	7	7	7	7	7	7	4,591.77	7	4,275.27	7	3,943.64	7	3,596.87	7	3,239.73	7	2,881.28	7	2,522.24		
1/4		1/4		1/4		1/4		1/4	4,585.32	1/4	4,268.51	1/4	3,936.56	1/4	3,589.48	1/4	3,232.28	1/4	2,873.80	1/4	2,514.76
1/2		1/2		1/2		1/2		1/2	4,578.87	1/2	4,261.74	1/2	3,929.48	1/2	3,582.09	1/2	3,224.84	1/2	2,866.32	1/2	2,507.28
3/4		3/4		3/4		3/4		3/4	4,572.42	3/4	4,254.98	3/4	3,922.40	3/4	3,574.69	3/4	3,217.39	3/4	2,858.84	3/4	2,499.80
8	8	8	8	8	8	8	4,565.97	8	4,248.21	8	3,915.32	8	3,567.30	8	3,209.94	8	2,851.36	8	2,492.32		
1/4		1/4		1/4		1/4		1/4	4,559.49	1/4	4,241.42	1/4	3,908.22	1/4	3,559.88	1/4	3,202.49	1/4	2,843.88	1/4	2,484.84
1/2		1/2		1/2		1/2		1/2	4,553.02	1/2	4,234.63	1/2	3,901.11	1/2	3,552.46	1/2	3,195.04	1/2	2,836.40	1/2	2,477.36
3/4		3/4		3/4		3/4		3/4	4,546.54	3/4	4,227.84	3/4	3,894.00	3/4	3,545.03	3/4	3,187.60	3/4	2,828.92	3/4	2,469.88
9	9	9	9	9	9	9	4,540.06	9	4,221.05	9	3,886.90	9	3,537.61	9	3,180.15	9	2,821.44	9	2,462.40		
1/4		1/4		1/4		1/4		1/4	4,533.56	1/4	4,214.23	1/4	3,879.77	1/4	3,530.17	1/4	3,172.70	1/4	2,813.96	1/4	2,454.92
1/2		1/2		1/2		1/2		1/2	4,527.06	1/2	4,207.41	1/2	3,872.63	1/2	3,522.73	1/2	3,165.25	1/2	2,806.48	1/2	2,447.44
3/4		3/4		3/4		3/4		3/4	4,520.55	3/4	4,200.59	3/4	3,865.50	3/4	3,515.30	3/4	3,157.80	3/4	2,799.00	3/4	2,439.96
10	10	10	10	10	10	10	4,514.05	10	4,193.78	10	3,858.37	10	3,507.86	10	3,150.36	10	2,791.52	10	2,432.48		
1/4		1/4		1/4		1/4		1/4	4,507.52	1/4	4,186.93	1/4	3,851.21	1/4	3,500.41	1/4	3,142.91	1/4	2,784.04	1/4	2,425.00
1/2		1/2		1/2		1/2		1/2	4,500.99	1/2	4,180.09	1/2	3,844.05	1/2	3,492.96	1/2	3,135.46	1/2	2,776.56	1/2	2,417.52
3/4		3/4		3/4		3/4		3/4	4,494.46	3/4	4,173.24	3/4	3,836.89	3/4	3,485.51	3/4	3,128.01	3/4	2,769.08	3/4	2,410.04
11	11	11	11	11	11	11	4,487.93	11	4,166.40	11	3,829.73	11	3,478.06	11	3,120.56	11	2,761.60	11	2,402.56		
1/4		1/4		1/4		1/4		1/4	4,481.37	1/4	4,159.52	1/4	3,822.54	1/4	3,470.62	1/4	3,113.10	1/4	2,754.12	1/4	2,395.08
1/2		1/2		1/2		1/2		1/2	4,474.82	1/2	4,152.65	1/2	3,815.36	1/2	3,463.17	1/2	3,105.64	1/2	2,746.64	1/2	2,387.60
3/4		3/4		3/4		3/4		3/4	4,468.26	3/4	4,145.78	3/4	3,808.17	3/4	3,455.72	3/4	3,098.18	3/4	2,739.16	3/4	2,380.12

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "KIRBY 29111"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GUAGE 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	2,372.64	0	2,013.60	0	1,654.56	0	1,303.86	0	959.01	0	601.95	0	242.92	0		0		0	
1/4	2,365.16	1/4	2,006.12	1/4	1,647.08	1/4	1,296.67	1/4	951.83	1/4	594.47	1/4	235.44	1/4	1/4		1/4		1/4
1/2	2,357.68	1/2	1,998.64	1/2	1,639.60	1/2	1,289.47	1/2	944.66	1/2	586.99	1/2	227.96	1/2	1/2		1/2		1/2
3/4	2,350.20	3/4	1,991.16	3/4	1,632.12	3/4	1,282.27	3/4	937.48	3/4	579.51	3/4	220.48	3/4	3/4		3/4		3/4
1	2,342.72	1	1,983.68	1	1,624.64	1	1,275.08	1	930.30	1	572.03	1	213.00	1	1		1		1
1/4	2,335.24	1/4	1,976.20	1/4	1,617.16	1/4	1,267.88	1/4	923.01	1/4	564.55	1/4	205.52	1/4	1/4		1/4		1/4
1/2	2,327.76	1/2	1,968.72	1/2	1,609.68	1/2	1,260.68	1/2	915.72	1/2	557.07	1/2	198.04	1/2	1/2		1/2		1/2
3/4	2,320.28	3/4	1,961.24	3/4	1,602.20	3/4	1,253.49	3/4	908.43	3/4	549.59	3/4	190.57	3/4	3/4		3/4		3/4
2	2,312.80	2	1,953.76	2	1,594.72	2	1,246.29	2	901.14	2	542.11	2	183.09	2	2		2		2
1/4	2,305.32	1/4	1,946.28	1/4	1,587.24	1/4	1,239.09	1/4	893.66	1/4	534.63	1/4	175.62	1/4	1/4		1/4		1/4
1/2	2,297.84	1/2	1,938.80	1/2	1,579.76	1/2	1,231.89	1/2	886.18	1/2	527.15	1/2	168.15	1/2	1/2		1/2		1/2
3/4	2,290.36	3/4	1,931.32	3/4	1,572.28	3/4	1,224.70	3/4	878.70	3/4	519.67	3/4	160.67	3/4	3/4		3/4		3/4
3	2,282.88	3	1,923.84	3	1,564.80	3	1,217.50	3	871.22	3	512.19	3	153.20	3	3		3		3
1/4	2,275.40	1/4	1,916.36	1/4	1,557.32	1/4	1,210.31	1/4	863.74	1/4	504.71	1/4	145.74	1/4	1/4		1/4		1/4
1/2	2,267.92	1/2	1,908.88	1/2	1,549.84	1/2	1,203.11	1/2	856.26	1/2	497.23	1/2	138.28	1/2	1/2		1/2		1/2
3/4	2,260.44	3/4	1,901.40	3/4	1,542.36	3/4	1,195.92	3/4	848.78	3/4	489.75	3/4	130.82	3/4	3/4		3/4		3/4
4	2,252.96	4	1,893.92	4	1,534.88	4	1,188.73	4	841.30	4	482.27	4	123.36	4	4		4		4
1/4	2,245.48	1/4	1,886.44	1/4	1,527.51	1/4	1,181.55	1/4	833.82	1/4	474.79	1/4	115.92	1/4	1/4		1/4		1/4
1/2	2,238.00	1/2	1,878.96	1/2	1,520.13	1/2	1,174.36	1/2	826.34	1/2	467.31	1/2	108.48	1/2	1/2		1/2		1/2
3/4	2,230.52	3/4	1,871.48	3/4	1,512.76	3/4	1,167.18	3/4	818.86	3/4	459.83	3/4	101.04	3/4	3/4		3/4		3/4
5	2,223.04	5	1,864.00	5	1,505.38	5	1,159.99	5	811.38	5	452.35	5	93.59	5	5		5		5
1/4	2,215.56	1/4	1,856.52	1/4	1,498.19	1/4	1,152.81	1/4	803.90	1/4	444.87	1/4	86.18	1/4	1/4		1/4		1/4
1/2	2,208.08	1/2	1,849.04	1/2	1,490.99	1/2	1,145.63	1/2	796.42	1/2	437.39	1/2	78.77	1/2	1/2		1/2		1/2
3/4	2,200.60	3/4	1,841.56	3/4	1,483.79	3/4	1,138.45	3/4	788.94	3/4	429.91	3/4	71.36	3/4	3/4		3/4		3/4
6	2,193.12	6	1,834.08	6	1,476.60	6	1,131.26	6	781.46	6	422.43	6	63.95	6	6		6		6
1/4	2,185.64	1/4	1,826.60	1/4	1,469.40	1/4	1,124.09	1/4	773.98	1/4	414.95	1/4	57.00	1/4	1/4		1/4		1/4
1/2	2,178.16	1/2	1,819.12	1/2	1,462.20	1/2	1,116.91	1/2	766.50	1/2	407.47	1/2	50.05	1/2	1/2		1/2		1/2
3/4	2,170.68	3/4	1,811.64	3/4	1,455.00	3/4	1,109.73	3/4	759.02	3/4	399.99	3/4	43.10	3/4	3/4		3/4		3/4
7	2,163.20	7	1,804.16	7	1,447.81	7	1,102.56	7	751.54	7	392.51	7	36.14	7	7		7		7
1/4	2,155.72	1/4	1,796.68	1/4	1,440.61	1/4	1,095.38	1/4	744.06	1/4	385.03	1/4	30.85	1/4	1/4		1/4		1/4
1/2	2,148.24	1/2	1,789.20	1/2	1,433.41	1/2	1,088.20	1/2	736.58	1/2	377.55	1/2	25.55	1/2	1/2		1/2		1/2
3/4	2,140.76	3/4	1,781.72	3/4	1,426.22	3/4	1,081.02	3/4	729.10	3/4	370.07	3/4	20.26	3/4	3/4		3/4		3/4
8	2,133.28	8	1,774.24	8	1,419.02	8	1,073.85	8	721.62	8	362.59	8	14.96	8	8		8		8
1/4	2,125.80	1/4	1,766.76	1/4	1,411.82	1/4	1,066.67	1/4	714.14	1/4	355.11	1/4		1/4	1/4		1/4		1/4
1/2	2,118.32	1/2	1,759.28	1/2	1,404.62	1/2	1,059.49	1/2	706.66	1/2	347.63	1/2		1/2	1/2		1/2		1/2
3/4	2,110.84	3/4	1,751.80	3/4	1,397.43	3/4	1,052.31	3/4	699.18	3/4	340.15	3/4		3/4	3/4		3/4		3/4
9	2,103.36	9	1,744.32	9	1,390.23	9	1,045.14	9	691.70	9	332.67	9		9	9		9		9
1/4	2,095.88	1/4	1,736.84	1/4	1,383.03	1/4	1,037.96	1/4	684.22	1/4	325.19	1/4		1/4	1/4		1/4		1/4
1/2	2,088.40	1/2	1,729.36	1/2	1,375.84	1/2	1,030.78	1/2	676.75	1/2	317.71	1/2		1/2	1/2		1/2		1/2
3/4	2,080.92	3/4	1,721.88	3/4	1,368.64	3/4	1,023.61	3/4	669.27	3/4	310.23	3/4		3/4	3/4		3/4		3/4
10	2,073.44	10	1,714.40	10	1,361.44	10	1,016.43	10	661.79	10	302.76	10		10	10		10		10
1/4	2,065.96	1/4	1,706.92	1/4	1,354.24	1/4	1,009.25	1/4	654.31	1/4	295.28	1/4		1/4	1/4		1/4		1/4
1/2	2,058.48	1/2	1,699.44	1/2	1,347.05	1/2	1,002.07	1/2	646.83	1/2	287.80	1/2		1/2	1/2		1/2		1/2
3/4	2,051.00	3/4	1,691.96	3/4	1,339.85	3/4	994.90	3/4	639.35	3/4	280.32	3/4		3/4	3/4		3/4		3/4
11	2,043.52	11	1,684.48	11	1,332.65	11	987.72	11	631.87	11	272.84	11		11	11		11		11
1/4	2,036.04	1/4	1,677.00	1/4	1,325.46	1/4	980.54	1/4	624.39	1/4	265.36	1/4		1/4	1/4		1/4		1/4
1/2	2,028.56	1/2	1,669.52	1/2	1,318.26	1/2	973.37	1/2	616.91	1/2	257.88	1/2		1/2	1/2		1/2		1/2
3/4	2,021.08	3/4	1,662.04	3/4	1,311.06	3/4	966.19	3/4	609.43	3/4	250.40	3/4		3/4	3/4		3/4		3/4

STRAPPED: 03/19/2013 CL - SW  
CALCULATED: 03/20/2013 CL  
VERIFIED: 06/01/2023

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "KIRBY 29111"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0		0	4,479.79	0	4,156.64	0	3,818.36	0	3,465.37	0	3,107.76	0	2,748.67		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,790.24	1/4	4,473.21	1/4	4,149.74	1/4	3,811.14	1/4	3,457.92	1/4	3,100.28	1/4	2,741.19
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,785.13	1/2	4,466.63	1/2	4,142.84	1/2	3,803.93	1/2	3,450.47	1/2	3,092.79	1/2	2,733.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,780.02	3/4	4,460.05	3/4	4,135.94	3/4	3,796.72	3/4	3,443.02	3/4	3,085.31	3/4	2,726.22
1		1		1		1		1	4,773.68	1	4,453.44	1	4,129.02	1	3,789.48	1	3,435.57	1	3,077.83	1	2,718.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,767.34	1/4	4,446.84	1/4	4,122.10	1/4	3,782.24	1/4	3,428.12	1/4	3,070.35	1/4	2,711.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,760.99	1/2	4,440.23	1/2	4,115.18	1/2	3,774.99	1/2	3,420.67	1/2	3,062.87	1/2	2,703.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,754.65	3/4	4,433.63	3/4	4,108.26	3/4	3,767.75	3/4	3,413.22	3/4	3,055.39	3/4	2,696.30
2		2		2		2		2	4,747.42	2	4,426.99	2	4,101.31	2	3,760.49	2	3,405.78	2	3,047.91	2	2,688.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,740.19	1/4	4,420.36	1/4	4,094.36	1/4	3,753.23	1/4	3,398.33	1/4	3,040.43	1/4	2,681.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,732.97	1/2	4,413.73	1/2	4,087.41	1/2	3,745.96	1/2	3,390.88	1/2	3,032.95	1/2	2,673.86
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,725.74	3/4	4,407.10	3/4	4,080.47	3/4	3,738.70	3/4	3,383.43	3/4	3,025.46	3/4	2,666.38
3		3		3		3		3	4,718.29	3	4,400.44	3	4,073.49	3	3,731.41	3	3,375.98	3	3,017.98	3	2,658.90
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,710.84	1/4	4,393.78	1/4	4,066.52	1/4	3,724.12	1/4	3,368.53	1/4	3,010.50	1/4	2,651.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,703.39	1/2	4,387.12	1/2	4,059.54	1/2	3,716.83	1/2	3,361.08	1/2	3,003.02	1/2	2,643.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,695.94	3/4	4,380.46	3/4	4,052.57	3/4	3,709.54	3/4	3,353.63	3/4	2,995.54	3/4	2,636.45
4		4		4		4		4	4,688.89	4	4,373.78	4	4,045.57	4	3,702.23	4	3,346.18	4	2,988.06	4	2,628.97
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,681.84	1/4	4,367.09	1/4	4,038.57	1/4	3,694.91	1/4	3,338.74	1/4	2,980.58	1/4	2,621.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,674.79	1/2	4,360.40	1/2	4,031.57	1/2	3,687.60	1/2	3,331.29	1/2	2,973.10	1/2	2,614.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,667.74	3/4	4,353.72	3/4	4,024.57	3/4	3,680.28	3/4	3,323.84	3/4	2,965.62	3/4	2,606.53
5		5		5		5		5	4,661.34	5	4,347.01	5	4,017.54	5	3,672.94	5	3,316.39	5	2,958.14	5	2,599.05
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,654.94	1/4	4,340.29	1/4	4,010.51	1/4	3,665.60	1/4	3,308.94	1/4	2,950.65	1/4	2,591.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,648.54	1/2	4,333.58	1/2	4,003.48	1/2	3,658.25	1/2	3,301.49	1/2	2,943.17	1/2	2,584.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,642.15	3/4	4,326.87	3/4	3,996.46	3/4	3,650.91	3/4	3,294.04	3/4	2,935.69	3/4	2,576.60
6		6		6		6		6	4,635.72	6	4,320.13	6	3,989.40	6	3,643.54	6	3,286.59	6	2,928.21	6	2,569.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,629.30	1/4	4,313.39	1/4	3,982.35	1/4	3,636.17	1/4	3,279.15	1/4	2,920.73	1/4	2,561.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,622.88	1/2	4,306.65	1/2	3,975.30	1/2	3,628.81	1/2	3,271.70	1/2	2,913.25	1/2	2,554.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,616.45	3/4	4,299.92	3/4	3,968.24	3/4	3,621.44	3/4	3,264.25	3/4	2,905.77	3/4	2,546.68
7		7		7		7		7	4,610.00	7	4,293.15	7	3,961.16	7	3,614.04	7	3,256.80	7	2,898.29	7	2,539.20
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,603.55	1/4	4,286.38	1/4	3,954.08	1/4	3,606.65	1/4	3,249.35	1/4	2,890.81	1/4	2,531.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,597.10	1/2	4,279.62	1/2	3,947.00	1/2	3,599.25	1/2	3,241.90	1/2	2,883.33	1/2	2,524.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,590.65	3/4	4,272.85	3/4	3,939.92	3/4	3,591.86	3/4	3,234.45	3/4	2,875.84	3/4	2,516.76
8		8		8		8		8	4,584.17	8	4,266.06	8	3,932.82	8	3,584.43	8	3,227.00	8	2,868.36	8	2,509.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,577.69	1/4	4,259.27	1/4	3,925.71	1/4	3,577.01	1/4	3,219.56	1/4	2,860.88	1/4	2,501.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,571.22	1/2	4,252.48	1/2	3,918.60	1/2	3,569.59	1/2	3,212.11	1/2	2,853.40	1/2	2,494.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,564.74	3/4	4,245.68	3/4	3,911.50	3/4	3,562.17	3/4	3,204.66	3/4	2,845.92	3/4	2,486.83
9		9		9		9		9	4,558.24	9	4,238.87	9	3,904.36	9	3,554.73	9	3,197.21	9	2,838.44	9	2,479.35
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,551.73	1/4	4,232.05	1/4	3,897.23	1/4	3,547.29	1/4	3,189.76	1/4	2,830.96	1/4	2,471.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,545.23	1/2	4,225.23	1/2	3,890.09	1/2	3,539.85	1/2	3,182.31	1/2	2,823.48	1/2	2,464.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,538.72	3/4	4,218.41	3/4	3,882.96	3/4	3,532.40	3/4	3,174.86	3/4	2,816.00	3/4	2,456.91
10		10		10		10		10	4,532.19	10	4,211.57	10	3,875.80	10	3,524.96	10	3,167.41	10	2,808.52	10	2,449.43
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,525.66	1/4	4,204.72	1/4	3,868.64	1/4	3,517.51	1/4	3,159.96	1/4	2,801.03	1/4	2,441.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,519.13	1/2	4,197.87	1/2	3,861.48	1/2	3,510.06	1/2	3,152.52	1/2	2,793.55	1/2	2,434.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,512.60	3/4	4,191.03	3/4	3,854.32	3/4	3,502.61	3/4	3,145.07	3/4	2,786.07	3/4	2,426.98
11		11		11		11		11	4,506.04	11	4,184.16	11	3,847.13	11	3,495.16	11	3,137.61	11	2,778.59	11	2,419.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,499.49	1/4	4,177.28	1/4	3,839.95	1/4	3,487.71	1/4	3,130.15	1/4	2,771.11	1/4	2,412.02
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,492.93	1/2	4,170.41	1/2	3,832.76	1/2	3,480.26	1/2	3,122.69	1/2	2,763.63	1/2	2,404.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,486.37	3/4	4,163.54	3/4	3,825.57	3/4	3,472.81	3/4	3,115.24	3/4	2,756.15	3/4	2,397.06

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>





# BARGE "KIRBY 29111"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,389.58	0	2,030.49	0	1,671.40	0	1,312.32	0	953.50	0	594.54	0	235.47	0		0		0	
1/4	2,382.10	1/4	2,023.01	1/4	1,663.92	1/4	1,304.83	1/4	946.03	1/4	587.06	1/4	227.99	1/4	1/4		1/4		1/4
1/2	2,374.62	1/2	2,015.53	1/2	1,656.44	1/2	1,297.35	1/2	938.56	1/2	579.58	1/2	220.51	1/2	1/2		1/2		1/2
3/4	2,367.14	3/4	2,008.05	3/4	1,648.96	3/4	1,289.87	3/4	931.10	3/4	572.10	3/4	213.02	3/4	3/4		3/4		3/4
1	2,359.66	1	2,000.57	1	1,641.48	1	1,282.39	1	923.63	1	564.62	1	205.55	1	1		1		1
1/4	2,352.17	1/4	1,993.09	1/4	1,634.00	1/4	1,274.91	1/4	916.16	1/4	557.14	1/4	198.07	1/4	1/4		1/4		1/4
1/2	2,344.69	1/2	1,985.61	1/2	1,626.52	1/2	1,267.43	1/2	908.69	1/2	549.66	1/2	190.59	1/2	1/2		1/2		1/2
3/4	2,337.21	3/4	1,978.12	3/4	1,619.04	3/4	1,259.95	3/4	901.22	3/4	542.17	3/4	183.11	3/4	3/4		3/4		3/4
2	2,329.73	2	1,970.64	2	1,611.56	2	1,252.47	2	893.75	2	534.69	2	175.64	2	2		2		2
1/4	2,322.25	1/4	1,963.16	1/4	1,604.07	1/4	1,244.99	1/4	886.27	1/4	527.21	1/4	168.17	1/4	1/4		1/4		1/4
1/2	2,314.77	1/2	1,955.68	1/2	1,596.59	1/2	1,237.51	1/2	878.80	1/2	519.73	1/2	160.69	1/2	1/2		1/2		1/2
3/4	2,307.29	3/4	1,948.20	3/4	1,589.11	3/4	1,230.02	3/4	871.33	3/4	512.25	3/4	153.22	3/4	3/4		3/4		3/4
3	2,299.81	3	1,940.72	3	1,581.63	3	1,222.54	3	863.85	3	504.77	3	145.76	3	3		3		3
1/4	2,292.33	1/4	1,933.24	1/4	1,574.15	1/4	1,215.06	1/4	856.36	1/4	497.29	1/4	138.30	1/4	1/4		1/4		1/4
1/2	2,284.85	1/2	1,925.76	1/2	1,566.67	1/2	1,207.58	1/2	848.88	1/2	489.81	1/2	130.84	1/2	1/2		1/2		1/2
3/4	2,277.36	3/4	1,918.28	3/4	1,559.19	3/4	1,200.10	3/4	841.40	3/4	482.33	3/4	123.38	3/4	3/4		3/4		3/4
4	2,269.88	4	1,910.80	4	1,551.71	4	1,192.62	4	833.92	4	474.85	4	115.93	4	4		4		4
1/4	2,262.40	1/4	1,903.31	1/4	1,544.23	1/4	1,185.14	1/4	826.44	1/4	467.37	1/4	108.49	1/4	1/4		1/4		1/4
1/2	2,254.92	1/2	1,895.83	1/2	1,536.75	1/2	1,177.66	1/2	818.96	1/2	459.89	1/2	101.05	1/2	1/2		1/2		1/2
3/4	2,247.44	3/4	1,888.35	3/4	1,529.26	3/4	1,170.18	3/4	811.48	3/4	452.41	3/4	93.61	3/4	3/4		3/4		3/4
5	2,239.96	5	1,880.87	5	1,521.78	5	1,162.70	5	804.00	5	444.93	5	86.19	5	5		5		5
1/4	2,232.48	1/4	1,873.39	1/4	1,514.30	1/4	1,155.21	1/4	796.52	1/4	437.45	1/4	78.78	1/4	1/4		1/4		1/4
1/2	2,225.00	1/2	1,865.91	1/2	1,506.82	1/2	1,147.73	1/2	789.04	1/2	429.96	1/2	71.37	1/2	1/2		1/2		1/2
3/4	2,217.52	3/4	1,858.43	3/4	1,499.34	3/4	1,140.25	3/4	781.56	3/4	422.48	3/4	63.96	3/4	3/4		3/4		3/4
6	2,210.04	6	1,850.95	6	1,491.86	6	1,132.78	6	774.08	6	415.00	6	57.01	6	6		6		6
1/4	2,202.55	1/4	1,843.47	1/4	1,484.38	1/4	1,125.30	1/4	766.60	1/4	407.52	1/4	50.05	1/4	1/4		1/4		1/4
1/2	2,195.07	1/2	1,835.99	1/2	1,476.90	1/2	1,117.82	1/2	759.12	1/2	400.04	1/2	43.10	1/2	1/2		1/2		1/2
3/4	2,187.59	3/4	1,828.50	3/4	1,469.42	3/4	1,110.35	3/4	751.63	3/4	392.56	3/4	36.15	3/4	3/4		3/4		3/4
7	2,180.11	7	1,821.02	7	1,461.94	7	1,102.88	7	744.15	7	385.08	7	30.85	7	7		7		7
1/4	2,172.63	1/4	1,813.54	1/4	1,454.45	1/4	1,095.41	1/4	736.67	1/4	377.60	1/4	25.56	1/4	1/4		1/4		1/4
1/2	2,165.15	1/2	1,806.06	1/2	1,446.97	1/2	1,087.94	1/2	729.19	1/2	370.12	1/2	20.26	1/2	1/2		1/2		1/2
3/4	2,157.67	3/4	1,798.58	3/4	1,439.49	3/4	1,080.47	3/4	721.71	3/4	362.64	3/4	14.96	3/4	3/4		3/4		3/4
8	2,150.19	8	1,791.10	8	1,432.01	8	1,073.00	8	714.23	8	355.16	8		8	8		8		8
1/4	2,142.71	1/4	1,783.62	1/4	1,424.53	1/4	1,065.53	1/4	706.75	1/4	347.68	1/4		1/4	1/4		1/4		1/4
1/2	2,135.23	1/2	1,776.14	1/2	1,417.05	1/2	1,058.07	1/2	699.27	1/2	340.20	1/2		1/2	1/2		1/2		1/2
3/4	2,127.74	3/4	1,768.66	3/4	1,409.57	3/4	1,050.60	3/4	691.79	3/4	332.72	3/4		3/4	3/4		3/4		3/4
9	2,120.26	9	1,761.18	9	1,402.09	9	1,043.13	9	684.31	9	325.23	9		9	9		9		9
1/4	2,112.78	1/4	1,753.69	1/4	1,394.61	1/4	1,035.66	1/4	676.83	1/4	317.75	1/4		1/4	1/4		1/4		1/4
1/2	2,105.30	1/2	1,746.21	1/2	1,387.13	1/2	1,028.19	1/2	669.35	1/2	310.27	1/2		1/2	1/2		1/2		1/2
3/4	2,097.82	3/4	1,738.73	3/4	1,379.64	3/4	1,020.72	3/4	661.87	3/4	302.79	3/4		3/4	3/4		3/4		3/4
10	2,090.34	10	1,731.25	10	1,372.16	10	1,013.25	10	654.39	10	295.31	10		10	10		10		10
1/4	2,082.86	1/4	1,723.77	1/4	1,364.68	1/4	1,005.78	1/4	646.90	1/4	287.83	1/4		1/4	1/4		1/4		1/4
1/2	2,075.38	1/2	1,716.29	1/2	1,357.20	1/2	998.32	1/2	639.42	1/2	280.35	1/2		1/2	1/2		1/2		1/2
3/4	2,067.90	3/4	1,708.81	3/4	1,349.72	3/4	990.85	3/4	631.94	3/4	272.87	3/4		3/4	3/4		3/4		3/4
11	2,060.42	11	1,701.33	11	1,342.24	11	983.38	11	624.46	11	265.39	11		11	11		11		11
1/4	2,052.93	1/4	1,693.85	1/4	1,334.76	1/4	975.91	1/4	616.98	1/4	257.91	1/4		1/4	1/4		1/4		1/4
1/2	2,045.45	1/2	1,686.37	1/2	1,327.28	1/2	968.44	1/2	609.50	1/2	250.43	1/2		1/2	1/2		1/2		1/2
3/4	2,037.97	3/4	1,678.88	3/4	1,319.80	3/4	960.97	3/4	602.02	3/4	242.95	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2013 CL - SW  
CALCULATED: 03/20/2013 CL  
VERIFIED: 06/01/2023

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2023

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



# BARGE "KIRBY 29111"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	4,362.28	0	4,121.76	0	3,875.61	0	3,617.45	0	3,347.54	0	2,996.88	0	2,640.43
1/4		1/4		1/4		1/4	4,357.64	1/4	4,116.76	1/4	3,870.34	1/4	3,611.94	1/4	3,341.84	1/4	2,989.45	1/4	2,633.00
1/2		1/2		1/2		1/2	4,353.01	1/2	4,111.75	1/2	3,865.08	1/2	3,606.43	1/2	3,336.13	1/2	2,982.03	1/2	2,625.58
3/4		3/4		3/4		3/4	4,348.38	3/4	4,106.74	3/4	3,859.82	3/4	3,600.92	3/4	3,330.43	3/4	2,974.60	3/4	2,618.15
1		1		1		1	4,344.22	1	4,101.71	1	3,854.54	1	3,595.39	1	3,323.00	1	2,967.17	1	2,610.73
1/4		1/4		1/4		1/4	4,340.07	1/4	4,096.68	1/4	3,849.26	1/4	3,589.86	1/4	3,315.57	1/4	2,959.75	1/4	2,603.30
1/2		1/2		1/2		1/2	4,335.92	1/2	4,091.66	1/2	3,843.98	1/2	3,584.32	1/2	3,308.14	1/2	2,952.32	1/2	2,595.87
3/4		3/4		3/4		3/4	4,331.77	3/4	4,086.63	3/4	3,838.70	3/4	3,578.79	3/4	3,300.71	3/4	2,944.90	3/4	2,588.45
2		2		2		2	4,326.41	2	4,081.58	2	3,833.40	2	3,573.24	2	3,293.28	2	2,937.47	2	2,581.02
1/4		1/4		1/4		1/4	4,321.06	1/4	4,076.53	1/4	3,828.11	1/4	3,567.69	1/4	3,285.85	1/4	2,930.04	1/4	2,573.60
1/2		1/2		1/2		1/2	4,315.70	1/2	4,071.48	1/2	3,822.81	1/2	3,562.14	1/2	3,278.42	1/2	2,922.62	1/2	2,566.17
3/4		3/4		3/4		3/4	4,310.34	3/4	4,066.43	3/4	3,817.51	3/4	3,556.59	3/4	3,271.00	3/4	2,915.19	3/4	2,558.74
3		3		3		3	4,304.64	3	4,061.36	3	3,812.19	3	3,551.02	3	3,263.57	3	2,907.77	3	2,551.32
1/4		1/4		1/4		1/4	4,298.93	1/4	4,056.29	1/4	3,806.87	1/4	3,545.45	1/4	3,256.14	1/4	2,900.34	1/4	2,543.89
1/2		1/2		1/2		1/2	4,293.23	1/2	4,051.22	1/2	3,801.55	1/2	3,539.89	1/2	3,248.71	1/2	2,892.91	1/2	2,536.47
3/4		3/4		3/4		3/4	4,287.53	3/4	4,046.15	3/4	3,796.22	3/4	3,534.32	3/4	3,241.28	3/4	2,885.49	3/4	2,529.04
4		4		4		4	4,281.82	4	4,041.06	4	3,790.88	4	3,528.73	4	3,233.85	4	2,878.06	4	2,521.61
1/4		1/4		1/4		1/4	4,276.12	1/4	4,035.97	1/4	3,785.54	1/4	3,523.13	1/4	3,226.42	1/4	2,870.64	1/4	2,514.19
1/2		1/2		1/2		1/2	4,270.41	1/2	4,030.88	1/2	3,780.20	1/2	3,517.54	1/2	3,218.99	1/2	2,863.21	1/2	2,506.76
3/4		3/4		3/4		3/4	4,264.71	3/4	4,025.78	3/4	3,774.86	3/4	3,511.95	3/4	3,211.56	3/4	2,855.78	3/4	2,499.34
5		5		5		5	4,259.84	5	4,020.67	5	3,769.50	5	3,506.34	5	3,204.16	5	2,848.36	5	2,491.91
1/4		1/4		1/4		1/4	4,254.98	1/4	4,015.56	1/4	3,764.14	1/4	3,500.73	1/4	3,196.76	1/4	2,840.93	1/4	2,484.48
1/2		1/2		1/2		1/2	4,250.12	1/2	4,010.45	1/2	3,758.77	1/2	3,495.12	1/2	3,189.36	1/2	2,833.51	1/2	2,477.06
3/4		3/4		3/4		3/4	4,245.25	3/4	4,005.34	3/4	3,753.41	3/4	3,489.51	3/4	3,181.95	3/4	2,826.08	3/4	2,469.63
6		6		6		6	4,240.37	6	4,000.20	6	3,748.03	6	3,483.87	6	3,174.55	6	2,818.65	6	2,462.21
1/4		1/4		1/4		1/4	4,235.49	1/4	3,995.07	1/4	3,742.65	1/4	3,478.24	1/4	3,167.15	1/4	2,811.23	1/4	2,454.78
1/2		1/2		1/2		1/2	4,230.61	1/2	3,989.94	1/2	3,737.27	1/2	3,472.61	1/2	3,159.75	1/2	2,803.80	1/2	2,447.35
3/4		3/4		3/4		3/4	4,225.72	3/4	3,984.80	3/4	3,731.88	3/4	3,466.97	3/4	3,152.35	3/4	2,796.38	3/4	2,439.93
7		7		7		7	4,220.82	7	3,979.65	7	3,726.48	7	3,461.32	7	3,144.94	7	2,788.95	7	2,432.50
1/4		1/4		1/4		1/4	4,215.91	1/4	3,974.50	1/4	3,721.07	1/4	3,455.67	1/4	3,137.54	1/4	2,781.52	1/4	2,425.08
1/2		1/2		1/2		1/2	4,211.00	1/2	3,969.34	1/2	3,715.67	1/2	3,450.01	1/2	3,130.14	1/2	2,774.10	1/2	2,417.65
3/4		3/4		3/4		3/4	4,206.10	3/4	3,964.19	3/4	3,710.26	3/4	3,444.36	3/4	3,122.74	3/4	2,766.67	3/4	2,410.22
8		8		8		8	4,201.17	8	3,959.01	8	3,704.84	8	3,438.69	8	3,115.34	8	2,759.25	8	2,402.80
1/4		1/4		1/4		1/4	4,196.25	1/4	3,953.83	1/4	3,699.42	1/4	3,433.01	1/4	3,107.93	1/4	2,751.82	1/4	2,395.37
1/2		1/2		1/2		1/2	4,191.33	1/2	3,948.66	1/2	3,693.99	1/2	3,427.33	1/2	3,100.53	1/2	2,744.39	1/2	2,387.95
3/4		3/4		3/4		3/4	4,186.40	3/4	3,943.48	3/4	3,688.57	3/4	3,421.66	3/4	3,093.13	3/4	2,736.97	3/4	2,380.52
9		9		9		9	4,181.45	9	3,938.28	9	3,683.12	9	3,415.96	9	3,085.73	9	2,729.54	9	2,373.09
1/4		1/4		1/4		1/4	4,176.50	1/4	3,933.09	1/4	3,677.67	1/4	3,410.27	1/4	3,078.33	1/4	2,722.12	1/4	2,365.67
1/2		1/2		1/2		1/2	4,171.55	1/2	3,927.89	1/2	3,672.23	1/2	3,404.57	1/2	3,070.92	1/2	2,714.69	1/2	2,358.24
3/4		3/4		3/4		3/4	4,166.60	3/4	3,922.70	3/4	3,666.78	3/4	3,398.88	3/4	3,063.52	3/4	2,707.26	3/4	2,350.81
10		10		10		10	4,161.64	10	3,917.48	10	3,661.31	10	3,393.17	10	3,056.12	10	2,699.84	10	2,343.39
1/4		1/4		1/4		1/4	4,156.67	1/4	3,912.26	1/4	3,655.85	1/4	3,387.47	1/4	3,048.72	1/4	2,692.41	1/4	2,335.96
1/2		1/2		1/2		1/2	4,151.71	1/2	3,907.04	1/2	3,650.38	1/2	3,381.77	1/2	3,041.31	1/2	2,684.99	1/2	2,328.53
3/4		3/4		3/4		3/4	4,146.74	3/4	3,901.82	3/4	3,644.92	3/4	3,376.06	3/4	3,033.91	3/4	2,677.56	3/4	2,321.11
11		11		11		11	4,141.75	11	3,896.58	11	3,639.43	11	3,370.36	11	3,026.51	11	2,670.13	11	2,313.68
1/4		1/4		1/4		1/4	4,136.76	1/4	3,891.34	1/4	3,633.94	1/4	3,364.65	1/4	3,019.11	1/4	2,662.71	1/4	2,306.26
1/2		1/2		1/2		1/2	4,131.76	1/2	3,886.11	1/2	3,628.45	1/2	3,358.95	1/2	3,011.71	1/2	2,655.28	1/2	2,298.83
3/4		3/4		3/4		3/4	4,366.91	3/4	4,126.77	3/4	3,880.87	3/4	3,622.96	3/4	3,353.25	3/4	3,004.30	3/4	2,647.86

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'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 29111"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	2,283.98	0	1,927.09	0	1,571.13	0	1,214.32	0	870.32	0	513.34	0	156.13	0		0		0	
1/4	2,276.55	1/4	1,919.65	1/4	1,563.71	1/4	1,207.15	1/4	862.89	1/4	505.89	1/4	148.68	1/4	1/4	1/4		1/4	1/4
1/2	2,269.12	1/2	1,912.21	1/2	1,556.30	1/2	1,199.98	1/2	855.47	1/2	498.45	1/2	141.24	1/2	1/2	1/2		1/2	1/2
3/4	2,261.70	3/4	1,904.77	3/4	1,548.88	3/4	1,192.81	3/4	848.05	3/4	491.01	3/4	133.80	3/4	3/4	3/4		3/4	3/4
1	2,254.27	1	1,897.36	1	1,541.44	1	1,185.63	1	840.63	1	483.57	1	126.36	1	1	1		1	1
1/4	2,246.84	1/4	1,889.94	1/4	1,534.00	1/4	1,178.46	1/4	833.21	1/4	476.13	1/4	118.92	1/4	1/4	1/4		1/4	1/4
1/2	2,239.42	1/2	1,882.53	1/2	1,526.56	1/2	1,171.29	1/2	825.79	1/2	468.68	1/2	111.48	1/2	1/2	1/2		1/2	1/2
3/4	2,231.99	3/4	1,875.11	3/4	1,519.12	3/4	1,164.12	3/4	818.37	3/4	461.24	3/4	104.03	3/4	3/4	3/4		3/4	3/4
2	2,224.56	2	1,867.70	2	1,511.68	2	1,156.94	2	810.95	2	453.80	2	96.91	2	2	2		2	2
1/4	2,217.14	1/4	1,860.28	1/4	1,504.24	1/4	1,149.77	1/4	803.53	1/4	446.36	1/4	89.78	1/4	1/4	1/4		1/4	1/4
1/2	2,209.71	1/2	1,852.87	1/2	1,496.80	1/2	1,142.60	1/2	796.11	1/2	438.92	1/2	82.65	1/2	1/2	1/2		1/2	1/2
3/4	2,202.28	3/4	1,845.46	3/4	1,489.36	3/4	1,135.43	3/4	788.69	3/4	431.48	3/4	75.53	3/4	3/4	3/4		3/4	3/4
3	2,194.86	3	1,838.04	3	1,481.92	3	1,128.25	3	781.24	3	424.03	3	69.34	3	3	3		3	3
1/4	2,187.43	1/4	1,830.63	1/4	1,474.48	1/4	1,121.08	1/4	773.80	1/4	416.59	1/4	63.16	1/4	1/4	1/4		1/4	1/4
1/2	2,180.00	1/2	1,823.21	1/2	1,467.04	1/2	1,113.91	1/2	766.36	1/2	409.15	1/2	56.97	1/2	1/2	1/2		1/2	1/2
3/4	2,172.58	3/4	1,815.80	3/4	1,459.60	3/4	1,106.74	3/4	758.92	3/4	401.71	3/4	50.78	3/4	3/4	3/4		3/4	3/4
4	2,165.15	4	1,808.38	4	1,452.16	4	1,099.56	4	751.48	4	394.27	4	45.85	4	4	4		4	4
1/4	2,157.73	1/4	1,800.97	1/4	1,444.72	1/4	1,092.39	1/4	744.04	1/4	386.82	1/4	40.93	1/4	1/4	1/4		1/4	1/4
1/2	2,150.30	1/2	1,793.56	1/2	1,437.27	1/2	1,085.22	1/2	736.59	1/2	379.38	1/2	36.00	1/2	1/2	1/2		1/2	1/2
3/4	2,142.87	3/4	1,786.14	3/4	1,429.83	3/4	1,078.05	3/4	729.15	3/4	371.94	3/4	31.07	3/4	3/4	3/4		3/4	3/4
5	2,135.43	5	1,778.73	5	1,422.39	5	1,070.89	5	721.71	5	364.50	5	27.40	5	5	5		5	5
1/4	2,127.99	1/4	1,771.31	1/4	1,414.95	1/4	1,063.73	1/4	714.27	1/4	357.06	1/4	23.73	1/4	1/4	1/4		1/4	1/4
1/2	2,120.55	1/2	1,763.90	1/2	1,407.51	1/2	1,056.57	1/2	706.83	1/2	349.61	1/2	20.07	1/2	1/2	1/2		1/2	1/2
3/4	2,113.11	3/4	1,756.48	3/4	1,400.07	3/4	1,049.41	3/4	699.38	3/4	342.17	3/4	16.40	3/4	3/4	3/4		3/4	3/4
6	2,105.67	6	1,749.07	6	1,392.63	6	1,042.25	6	691.94	6	334.73	6		6	6	6		6	6
1/4	2,098.23	1/4	1,741.66	1/4	1,385.19	1/4	1,035.09	1/4	684.50	1/4	327.29	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,090.79	1/2	1,734.24	1/2	1,377.75	1/2	1,027.93	1/2	677.06	1/2	319.85	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,083.35	3/4	1,726.83	3/4	1,370.31	3/4	1,020.78	3/4	669.62	3/4	312.41	3/4		3/4	3/4	3/4		3/4	3/4
7	2,075.91	7	1,719.41	7	1,362.87	7	1,013.62	7	662.17	7	304.96	7		7	7	7		7	7
1/4	2,068.47	1/4	1,712.00	1/4	1,355.43	1/4	1,006.47	1/4	654.73	1/4	297.52	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,061.02	1/2	1,704.58	1/2	1,347.99	1/2	999.31	1/2	647.29	1/2	290.08	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,053.58	3/4	1,697.17	3/4	1,340.55	3/4	992.16	3/4	639.85	3/4	282.64	3/4		3/4	3/4	3/4		3/4	3/4
8	2,046.14	8	1,689.76	8	1,333.11	8	985.01	8	632.41	8	275.20	8		8	8	8		8	8
1/4	2,038.70	1/4	1,682.34	1/4	1,325.67	1/4	977.85	1/4	624.96	1/4	267.75	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,031.26	1/2	1,674.93	1/2	1,318.22	1/2	970.70	1/2	617.52	1/2	260.31	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,023.82	3/4	1,667.51	3/4	1,310.78	3/4	963.55	3/4	610.08	3/4	252.87	3/4		3/4	3/4	3/4		3/4	3/4
9	2,016.38	9	1,660.10	9	1,303.34	9	956.40	9	602.64	9	245.43	9		9	9	9		9	9
1/4	2,008.94	1/4	1,652.68	1/4	1,295.90	1/4	949.25	1/4	595.20	1/4	237.99	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,001.50	1/2	1,645.27	1/2	1,288.46	1/2	942.10	1/2	587.76	1/2	230.54	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,994.06	3/4	1,637.86	3/4	1,281.02	3/4	934.95	3/4	580.31	3/4	223.10	3/4		3/4	3/4	3/4		3/4	3/4
10	1,986.62	10	1,630.44	10	1,273.58	10	927.80	10	572.87	10	215.66	10		10	10	10		10	10
1/4	1,979.18	1/4	1,623.03	1/4	1,266.14	1/4	920.64	1/4	565.43	1/4	208.22	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,971.74	1/2	1,615.61	1/2	1,258.70	1/2	913.49	1/2	557.99	1/2	200.78	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,964.30	3/4	1,608.20	3/4	1,251.26	3/4	906.34	3/4	550.55	3/4	193.33	3/4		3/4	3/4	3/4		3/4	3/4
11	1,956.85	11	1,600.78	11	1,243.82	11	899.19	11	543.10	11	185.89	11		11	11	11		11	11
1/4	1,949.41	1/4	1,593.37	1/4	1,236.38	1/4	892.04	1/4	535.66	1/4	178.45	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,941.97	1/2	1,585.95	1/2	1,228.94	1/2	884.89	1/2	528.22	1/2	171.01	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,934.53	3/4	1,578.54	3/4	1,221.50	3/4	877.74	3/4	520.78	3/4	163.57	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2013 CL - SW  
CALCULATED: 03/20/2013 CL  
VERIFIED: 06/01/2023

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2023

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



# BARGE "KIRBY 29111"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							4,380.92		4,138.50		3,890.67		3,630.85		3,359.35		3,003.30		2,645.52		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,376.26	1/4	4,133.46	1/4	3,885.39	1/4	3,625.32	1/4	3,353.62	1/4	2,995.84	1/4	2,638.07		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,372.08	1/2	4,128.41	1/2	3,880.08	1/2	3,619.76	1/2	3,346.17	1/2	2,988.39	1/2	2,630.61		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,367.91	3/4	4,123.36	3/4	3,874.78	3/4	3,614.20	3/4	3,338.71	3/4	2,980.94	3/4	2,623.16		
<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>4,363.73</b>	<b>1</b>	<b>4,118.31</b>	<b>1</b>	<b>3,869.47</b>	<b>1</b>	<b>3,608.65</b>	<b>1</b>	<b>3,331.26</b>	<b>1</b>	<b>2,973.48</b>	<b>1</b>	<b>2,615.70</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,359.56	1/4	4,113.26	1/4	3,864.17	1/4	3,603.09	1/4	3,323.81	1/4	2,966.03	1/4	2,608.25		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,354.18	1/2	4,108.19	1/2	3,858.85	1/2	3,597.51	1/2	3,316.35	1/2	2,958.57	1/2	2,600.80		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,348.80	3/4	4,103.11	3/4	3,853.53	3/4	3,591.94	3/4	3,308.90	3/4	2,951.12	3/4	2,593.34		
<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>4,343.42</b>	<b>2</b>	<b>4,098.04</b>	<b>2</b>	<b>3,848.21</b>	<b>2</b>	<b>3,586.36</b>	<b>2</b>	<b>3,301.45</b>	<b>2</b>	<b>2,943.67</b>	<b>2</b>	<b>2,585.89</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,338.04	1/4	4,092.96	1/4	3,842.88	1/4	3,580.79	1/4	3,293.99	1/4	2,936.21	1/4	2,578.44		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,332.31	1/2	4,087.87	1/2	3,837.54	1/2	3,575.20	1/2	3,286.54	1/2	2,928.76	1/2	2,570.98		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,326.58	3/4	4,082.78	3/4	3,832.19	3/4	3,569.60	3/4	3,279.08	3/4	2,921.31	3/4	2,563.53		
<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>4,320.85</b>	<b>3</b>	<b>4,077.68</b>	<b>3</b>	<b>3,826.85</b>	<b>3</b>	<b>3,564.01</b>	<b>3</b>	<b>3,271.63</b>	<b>3</b>	<b>2,913.85</b>	<b>3</b>	<b>2,556.08</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,315.12	1/4	4,072.59	1/4	3,821.50	1/4	3,558.42	1/4	3,264.18	1/4	2,906.40	1/4	2,548.62		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,309.39	1/2	4,067.47	1/2	3,816.14	1/2	3,552.80	1/2	3,256.72	1/2	2,898.95	1/2	2,541.17		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,303.66	3/4	4,062.36	3/4	3,810.77	3/4	3,547.18	3/4	3,249.27	3/4	2,891.49	3/4	2,533.71		
<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4,297.93</b>	<b>4</b>	<b>4,057.24</b>	<b>4</b>	<b>3,805.41</b>	<b>4</b>	<b>3,541.57</b>	<b>4</b>	<b>3,241.82</b>	<b>4</b>	<b>2,884.04</b>	<b>4</b>	<b>2,526.26</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,292.21	1/4	4,052.12	1/4	3,800.04	1/4	3,535.95	1/4	3,234.36	1/4	2,876.58	1/4	2,518.81		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,287.32	1/2	4,046.99	1/2	3,794.66	1/2	3,530.32	1/2	3,226.91	1/2	2,869.13	1/2	2,511.35		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,282.43	3/4	4,041.85	3/4	3,789.27	3/4	3,524.68	3/4	3,219.45	3/4	2,861.68	3/4	2,503.90		
<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>4,277.54</b>	<b>5</b>	<b>4,036.72</b>	<b>5</b>	<b>3,783.88</b>	<b>5</b>	<b>3,519.05</b>	<b>5</b>	<b>3,212.00</b>	<b>5</b>	<b>2,854.22</b>	<b>5</b>	<b>2,496.45</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,272.65	1/4	4,031.58	1/4	3,778.49	1/4	3,513.41	1/4	3,204.55	1/4	2,846.77	1/4	2,488.99		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,267.75	1/2	4,026.42	1/2	3,773.09	1/2	3,507.75	1/2	3,197.09	1/2	2,839.32	1/2	2,481.54		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,262.84	3/4	4,021.26	3/4	3,767.68	3/4	3,502.09	3/4	3,189.64	3/4	2,831.86	3/4	2,474.08		
<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>4,257.94</b>	<b>6</b>	<b>4,016.11</b>	<b>6</b>	<b>3,762.28</b>	<b>6</b>	<b>3,496.43</b>	<b>6</b>	<b>3,182.19</b>	<b>6</b>	<b>2,824.41</b>	<b>6</b>	<b>2,466.63</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,253.03	1/4	4,010.95	1/4	3,756.87	1/4	3,490.78	1/4	3,174.73	1/4	2,816.95	1/4	2,459.18		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,248.10	1/2	4,005.77	1/2	3,751.44	1/2	3,485.10	1/2	3,167.28	1/2	2,809.50	1/2	2,451.72		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,243.17	3/4	4,000.59	3/4	3,746.01	3/4	3,479.42	3/4	3,159.82	3/4	2,802.05	3/4	2,444.27		
<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>4,238.24</b>	<b>7</b>	<b>3,995.42</b>	<b>7</b>	<b>3,740.58</b>	<b>7</b>	<b>3,473.74</b>	<b>7</b>	<b>3,152.37</b>	<b>7</b>	<b>2,794.59</b>	<b>7</b>	<b>2,436.82</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,233.31	1/4	3,990.24	1/4	3,735.15	1/4	3,468.07	1/4	3,144.92	1/4	2,787.14	1/4	2,429.36		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,228.36	1/2	3,985.04	1/2	3,729.70	1/2	3,462.37	1/2	3,137.46	1/2	2,779.69	1/2	2,421.91		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,223.41	3/4	3,979.84	3/4	3,724.25	3/4	3,456.67	3/4	3,130.01	3/4	2,772.23	3/4	2,414.45		
<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>4,218.46</b>	<b>8</b>	<b>3,974.63</b>	<b>8</b>	<b>3,718.81</b>	<b>8</b>	<b>3,450.97</b>	<b>8</b>	<b>3,122.56</b>	<b>8</b>	<b>2,764.78</b>	<b>8</b>	<b>2,407.00</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,213.51	1/4	3,969.43	1/4	3,713.36	1/4	3,445.26	1/4	3,115.10	1/4	2,757.33	1/4	2,399.55		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,208.54	1/2	3,964.21	1/2	3,707.89	1/2	3,439.55	1/2	3,107.65	1/2	2,749.87	1/2	2,392.09		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,203.57	3/4	3,958.99	3/4	3,702.41	3/4	3,433.83	3/4	3,100.20	3/4	2,742.42	3/4	2,384.64		
<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>4,198.59</b>	<b>9</b>	<b>3,953.77</b>	<b>9</b>	<b>3,696.94</b>	<b>9</b>	<b>3,428.11</b>	<b>9</b>	<b>3,092.74</b>	<b>9</b>	<b>2,734.96</b>	<b>9</b>	<b>2,377.19</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,193.62	1/4	3,948.56	1/4	3,691.47	1/4	3,422.39	1/4	3,085.29	1/4	2,727.51	1/4	2,369.73		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,188.63	1/2	3,943.31	1/2	3,685.98	1/2	3,416.66	1/2	3,077.83	1/2	2,720.06	1/2	2,362.28		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,183.64	3/4	3,938.07	3/4	3,680.49	3/4	3,410.93	3/4	3,070.38	3/4	2,712.60	3/4	2,354.83		
<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>4,178.65</b>	<b>10</b>	<b>3,932.82</b>	<b>10</b>	<b>3,675.00</b>	<b>10</b>	<b>3,405.20</b>	<b>10</b>	<b>3,062.93</b>	<b>10</b>	<b>2,705.15</b>	<b>10</b>	<b>2,347.37</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,173.66	1/4	3,927.58	1/4	3,669.51	1/4	3,399.47	1/4	3,055.47	1/4	2,697.70	1/4	2,339.92		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,168.64	1/2	3,922.32	1/2	3,663.99	1/2	3,393.73	1/2	3,048.02	1/2	2,690.24	1/2	2,332.46		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,163.63	3/4	3,917.06	3/4	3,658.48	3/4	3,388.00	3/4	3,040.57	3/4	2,682.79	3/4	2,325.01		
<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>4,158.61</b>	<b>11</b>	<b>3,911.79</b>	<b>11</b>	<b>3,652.96</b>	<b>11</b>	<b>3,382.27</b>	<b>11</b>	<b>3,033.11</b>	<b>11</b>	<b>2,675.33</b>	<b>11</b>	<b>2,317.56</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,394.90	1/4	4,153.59	1/4	3,906.53	1/4	3,647.45	1/4	3,376.54	1/4	3,025.66	1/4	2,667.88	1/4	2,310.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,390.24	1/2	4,148.56	1/2	3,901.25	1/2	3,641.92	1/2	3,370.81	1/2	3,018.20	1/2	2,660.43	1/2	2,302.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,385.58	3/4	4,143.53	3/4	3,895.96	3/4	3,636.38	3/4	3,365.08	3/4	3,010.75	3/4	2,652.97	3/4	2,295.20

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'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 29111"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

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	2,287.74	0	1,929.96	0	1,572.19	0	1,214.41	0	856.91	0	499.24	0	141.47	0		0		0	
1/4	2,280.29	1/4	1,922.51	1/4	1,564.73	1/4	1,206.96	1/4	849.46	1/4	491.79	1/4	134.02	1/4		1/4		1/4	
1/2	2,272.83	1/2	1,915.06	1/2	1,557.28	1/2	1,199.50	1/2	842.02	1/2	484.34	1/2	126.57	1/2		1/2		1/2	
3/4	2,265.38	3/4	1,907.60	3/4	1,549.83	3/4	1,192.05	3/4	834.58	3/4	476.88	3/4	119.12	3/4		3/4		3/4	
1	2,257.93	1	1,900.15	1	1,542.37	1	1,184.59	1	827.14	1	469.43	1	111.66	1		1		1	
1/4	2,250.47	1/4	1,892.70	1/4	1,534.92	1/4	1,177.14	1/4	819.70	1/4	461.98	1/4	104.21	1/4		1/4		1/4	
1/2	2,243.02	1/2	1,885.24	1/2	1,527.46	1/2	1,169.69	1/2	812.25	1/2	454.52	1/2	97.07	1/2		1/2		1/2	
3/4	2,235.57	3/4	1,877.79	3/4	1,520.01	3/4	1,162.23	3/4	804.81	3/4	447.07	3/4	89.93	3/4		3/4		3/4	
2	2,228.11	2	1,870.33	2	1,512.56	2	1,154.78	2	797.37	2	439.61	2	82.79	2		2		2	
1/4	2,220.66	1/4	1,862.88	1/4	1,505.10	1/4	1,147.33	1/4	789.93	1/4	432.16	1/4	75.66	1/4		1/4		1/4	
1/2	2,213.20	1/2	1,855.43	1/2	1,497.65	1/2	1,139.87	1/2	782.48	1/2	424.71	1/2	69.46	1/2		1/2		1/2	
3/4	2,205.75	3/4	1,847.97	3/4	1,490.20	3/4	1,132.42	3/4	775.02	3/4	417.25	3/4	63.26	3/4		3/4		3/4	
3	2,198.30	3	1,840.52	3	1,482.74	3	1,124.96	3	767.57	3	409.80	3	57.06	3		3		3	
1/4	2,190.84	1/4	1,833.07	1/4	1,475.29	1/4	1,117.51	1/4	760.12	1/4	402.35	1/4	50.87	1/4		1/4		1/4	
1/2	2,183.39	1/2	1,825.61	1/2	1,467.83	1/2	1,110.06	1/2	752.66	1/2	394.89	1/2	45.92	1/2		1/2		1/2	
3/4	2,175.94	3/4	1,818.16	3/4	1,460.38	3/4	1,102.60	3/4	745.21	3/4	387.44	3/4	40.98	3/4		3/4		3/4	
4	2,168.48	4	1,810.71	4	1,452.93	4	1,095.15	4	737.75	4	379.99	4	36.04	4		4		4	
1/4	2,161.03	1/4	1,803.25	1/4	1,445.47	1/4	1,087.70	1/4	730.30	1/4	372.53	1/4	31.10	1/4		1/4		1/4	
1/2	2,153.58	1/2	1,795.80	1/2	1,438.02	1/2	1,080.24	1/2	722.85	1/2	365.08	1/2	27.43	1/2		1/2		1/2	
3/4	2,146.12	3/4	1,788.34	3/4	1,430.57	3/4	1,072.79	3/4	715.39	3/4	357.63	3/4	23.75	3/4		3/4		3/4	
5	2,138.67	5	1,780.89	5	1,423.11	5	1,065.34	5	707.94	5	350.17	5	20.07	5		5		5	
1/4	2,131.21	1/4	1,773.44	1/4	1,415.66	1/4	1,057.88	1/4	700.49	1/4	342.72	1/4	16.40	1/4		1/4		1/4	
1/2	2,123.76	1/2	1,765.98	1/2	1,408.21	1/2	1,050.43	1/2	693.03	1/2	335.27	1/2		1/2		1/2		1/2	
3/4	2,116.31	3/4	1,758.53	3/4	1,400.75	3/4	1,042.97	3/4	685.58	3/4	327.81	3/4		3/4		3/4		3/4	
6	2,108.85	6	1,751.08	6	1,393.30	6	1,035.52	6	678.13	6	320.36	6		6		6		6	
1/4	2,101.40	1/4	1,743.62	1/4	1,385.84	1/4	1,028.07	1/4	670.67	1/4	312.91	1/4		1/4		1/4		1/4	
1/2	2,093.95	1/2	1,736.17	1/2	1,378.39	1/2	1,020.62	1/2	663.22	1/2	305.45	1/2		1/2		1/2		1/2	
3/4	2,086.49	3/4	1,728.71	3/4	1,370.94	3/4	1,013.18	3/4	655.77	3/4	298.00	3/4		3/4		3/4		3/4	
7	2,079.04	7	1,721.26	7	1,363.48	7	1,005.74	7	648.31	7	290.54	7		7		7		7	
1/4	2,071.58	1/4	1,713.81	1/4	1,356.03	1/4	998.30	1/4	640.86	1/4	283.09	1/4		1/4		1/4		1/4	
1/2	2,064.13	1/2	1,706.35	1/2	1,348.58	1/2	990.86	1/2	633.41	1/2	275.64	1/2		1/2		1/2		1/2	
3/4	2,056.68	3/4	1,698.90	3/4	1,341.12	3/4	983.42	3/4	625.95	3/4	268.18	3/4		3/4		3/4		3/4	
8	2,049.22	8	1,691.45	8	1,333.67	8	975.97	8	618.50	8	260.73	8		8		8		8	
1/4	2,041.77	1/4	1,683.99	1/4	1,326.21	1/4	968.53	1/4	611.05	1/4	253.28	1/4		1/4		1/4		1/4	
1/2	2,034.32	1/2	1,676.54	1/2	1,318.76	1/2	961.09	1/2	603.59	1/2	245.82	1/2		1/2		1/2		1/2	
3/4	2,026.86	3/4	1,669.08	3/4	1,311.31	3/4	953.65	3/4	596.14	3/4	238.37	3/4		3/4		3/4		3/4	
9	2,019.41	9	1,661.63	9	1,303.85	9	946.21	9	588.68	9	230.92	9		9		9		9	
1/4	2,011.96	1/4	1,654.18	1/4	1,296.40	1/4	938.77	1/4	581.23	1/4	223.46	1/4		1/4		1/4		1/4	
1/2	2,004.50	1/2	1,646.72	1/2	1,288.95	1/2	931.32	1/2	573.78	1/2	216.01	1/2		1/2		1/2		1/2	
3/4	1,997.05	3/4	1,639.27	3/4	1,281.49	3/4	923.88	3/4	566.32	3/4	208.56	3/4		3/4		3/4		3/4	
10	1,989.59	10	1,631.82	10	1,274.04	10	916.44	10	558.87	10	201.10	10		10		10		10	
1/4	1,982.14	1/4	1,624.36	1/4	1,266.59	1/4	909.00	1/4	551.42	1/4	193.65	1/4		1/4		1/4		1/4	
1/2	1,974.69	1/2	1,616.91	1/2	1,259.13	1/2	901.56	1/2	543.96	1/2	186.20	1/2		1/2		1/2		1/2	
3/4	1,967.23	3/4	1,609.46	3/4	1,251.68	3/4	894.11	3/4	536.51	3/4	178.74	3/4		3/4		3/4		3/4	
11	1,959.78	11	1,602.00	11	1,244.22	11	886.67	11	529.06	11	171.29	11		11		11		11	
1/4	1,952.33	1/4	1,594.55	1/4	1,236.77	1/4	879.23	1/4	521.60	1/4	163.84	1/4		1/4		1/4		1/4	
1/2	1,944.87	1/2	1,587.09	1/2	1,229.32	1/2	871.79	1/2	514.15	1/2	156.38	1/2		1/2		1/2		1/2	
3/4	1,937.42	3/4	1,579.64	3/4	1,221.86	3/4	864.35	3/4	506.70	3/4	148.93	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2013 CL - SW  
CALCULATED: 03/20/2013 CL  
VERIFIED: 06/01/2023

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2023

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