



# BARGE "KIRBY 29136"

## ULLAGE TRIM TABLE

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

December 8, 2014

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 29136"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

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		
							4,949.17		4,613.49		4,273.52		3,917.04		3,544.78		3,168.13		2,790.00		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,942.49	1/4	4,606.57	1/4	4,266.25	1/4	3,909.43	1/4	3,536.93	1/4	3,160.25	1/4	2,782.12		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,935.82	1/2	4,599.65	1/2	4,258.98	1/2	3,901.81	1/2	3,529.09	1/2	3,152.37	1/2	2,774.24		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,929.14	3/4	4,592.72	3/4	4,251.71	3/4	3,894.20	3/4	3,521.25	3/4	3,144.49	3/4	2,766.36		
<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>4,922.46</b>	<b>1</b>	<b>4,585.80</b>	<b>1</b>	<b>4,244.45</b>	<b>1</b>	<b>3,886.58</b>	<b>1</b>	<b>3,513.41</b>	<b>1</b>	<b>3,136.61</b>	<b>1</b>	<b>2,758.48</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,914.84	1/4	4,578.85	1/4	4,237.15	1/4	3,878.94	1/4	3,505.56	1/4	3,128.74	1/4	2,750.61		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,907.23	1/2	4,571.90	1/2	4,229.85	1/2	3,871.30	1/2	3,497.72	1/2	3,120.86	1/2	2,742.73		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,899.62	3/4	4,564.94	3/4	4,222.56	3/4	3,863.66	3/4	3,489.88	3/4	3,112.98	3/4	2,734.85		
<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>4,892.00</b>	<b>2</b>	<b>4,557.99</b>	<b>2</b>	<b>4,215.26</b>	<b>2</b>	<b>3,856.02</b>	<b>2</b>	<b>3,482.03</b>	<b>2</b>	<b>3,105.10</b>	<b>2</b>	<b>2,726.97</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,884.16	1/4	4,551.01	1/4	4,207.94	1/4	3,848.35	1/4	3,474.19	1/4	3,097.23	1/4	2,719.10		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,876.32	1/2	4,544.03	1/2	4,200.61	1/2	3,840.68	1/2	3,466.35	1/2	3,089.35	1/2	2,711.22		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,868.48	3/4	4,537.05	3/4	4,193.29	3/4	3,833.01	3/4	3,458.51	3/4	3,081.47	3/4	2,703.34		
<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>4,860.63</b>	<b>3</b>	<b>4,530.07</b>	<b>3</b>	<b>4,185.96</b>	<b>3</b>	<b>3,825.34</b>	<b>3</b>	<b>3,450.66</b>	<b>3</b>	<b>3,073.59</b>	<b>3</b>	<b>2,695.46</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,853.22	1/4	4,523.06	1/4	4,178.61	1/4	3,817.65	1/4	3,442.82	1/4	3,065.72	1/4	2,687.59		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,845.81	1/2	4,516.05	1/2	4,171.25	1/2	3,809.95	1/2	3,434.98	1/2	3,057.84	1/2	2,679.71		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,838.40	3/4	4,509.04	3/4	4,163.90	3/4	3,802.25	3/4	3,427.13	3/4	3,049.96	3/4	2,671.83		
<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4,831.00</b>	<b>4</b>	<b>4,502.03</b>	<b>4</b>	<b>4,156.55</b>	<b>4</b>	<b>3,794.55</b>	<b>4</b>	<b>3,419.29</b>	<b>4</b>	<b>3,042.08</b>	<b>4</b>	<b>2,663.95</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,824.30	1/4	4,494.99	1/4	4,149.16	1/4	3,786.83	1/4	3,411.45	1/4	3,034.20	1/4	2,656.07		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,817.60	1/2	4,487.95	1/2	4,141.78	1/2	3,779.10	1/2	3,403.61	1/2	3,026.33	1/2	2,648.20		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,810.91	3/4	4,480.91	3/4	4,134.40	3/4	3,771.37	3/4	3,395.76	3/4	3,018.45	3/4	2,640.32		
<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>4,804.21</b>	<b>5</b>	<b>4,473.87</b>	<b>5</b>	<b>4,127.01</b>	<b>5</b>	<b>3,763.65</b>	<b>5</b>	<b>3,387.92</b>	<b>5</b>	<b>3,010.57</b>	<b>5</b>	<b>2,632.44</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,797.49	1/4	4,466.80	1/4	4,119.60	1/4	3,755.89	1/4	3,380.08	1/4	3,002.69	1/4	2,624.56		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,790.76	1/2	4,459.74	1/2	4,112.19	1/2	3,748.13	1/2	3,372.23	1/2	2,994.82	1/2	2,616.69		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,784.04	3/4	4,452.67	3/4	4,104.78	3/4	3,740.38	3/4	3,364.39	3/4	2,986.94	3/4	2,608.81		
<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>4,777.32</b>	<b>6</b>	<b>4,445.60</b>	<b>6</b>	<b>4,097.37</b>	<b>6</b>	<b>3,732.62</b>	<b>6</b>	<b>3,356.55</b>	<b>6</b>	<b>2,979.06</b>	<b>6</b>	<b>2,600.93</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,770.56	1/4	4,438.50	1/4	4,089.93	1/4	3,724.84	1/4	3,348.71	1/4	2,971.18	1/4	2,593.05		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,763.81	1/2	4,431.40	1/2	4,082.49	1/2	3,717.05	1/2	3,340.86	1/2	2,963.31	1/2	2,585.18		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,757.05	3/4	4,424.31	3/4	4,075.05	3/4	3,709.27	3/4	3,333.02	3/4	2,955.43	3/4	2,577.30		
<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>4,750.30</b>	<b>7</b>	<b>4,417.21</b>	<b>7</b>	<b>4,067.60</b>	<b>7</b>	<b>3,701.49</b>	<b>7</b>	<b>3,325.18</b>	<b>7</b>	<b>2,947.55</b>	<b>7</b>	<b>2,569.42</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,743.52	1/4	4,410.08	1/4	4,060.14	1/4	3,693.67	1/4	3,317.34	1/4	2,939.67	1/4	2,561.54		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,736.73	1/2	4,402.96	1/2	4,052.67	1/2	3,685.86	1/2	3,309.49	1/2	2,931.79	1/2	2,553.66		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,729.95	3/4	4,395.83	3/4	4,045.20	3/4	3,678.04	3/4	3,301.65	3/4	2,923.92	3/4	2,545.79		
<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>4,723.17</b>	<b>8</b>	<b>4,388.70</b>	<b>8</b>	<b>4,037.73</b>	<b>8</b>	<b>3,670.23</b>	<b>8</b>	<b>3,293.81</b>	<b>8</b>	<b>2,916.04</b>	<b>8</b>	<b>2,537.91</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,716.36	1/4	4,381.55	1/4	4,030.23	1/4	3,662.40	1/4	3,285.96	1/4	2,908.16	1/4	2,530.03		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,709.54	1/2	4,374.39	1/2	4,022.73	1/2	3,654.56	1/2	3,278.12	1/2	2,900.28	1/2	2,522.15		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,702.73	3/4	4,367.24	3/4	4,015.23	3/4	3,646.73	3/4	3,270.28	3/4	2,892.41	3/4	2,514.28		
<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>4,695.92</b>	<b>9</b>	<b>4,360.08</b>	<b>9</b>	<b>4,007.73</b>	<b>9</b>	<b>3,638.89</b>	<b>9</b>	<b>3,262.44</b>	<b>9</b>	<b>2,884.53</b>	<b>9</b>	<b>2,506.40</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,689.08	1/4	4,352.90	1/4	4,000.20	1/4	3,631.05	1/4	3,254.59	1/4	2,876.65	1/4	2,498.52		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,682.24	1/2	4,345.71	1/2	3,992.67	1/2	3,623.20	1/2	3,246.75	1/2	2,868.77	1/2	2,490.64		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,675.40	3/4	4,338.53	3/4	3,985.15	3/4	3,615.36	3/4	3,238.91	3/4	2,860.90	3/4	2,482.77		
<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>4,668.56</b>	<b>10</b>	<b>4,331.34</b>	<b>10</b>	<b>3,977.62</b>	<b>10</b>	<b>3,607.52</b>	<b>10</b>	<b>3,231.06</b>	<b>10</b>	<b>2,853.02</b>	<b>10</b>	<b>2,474.89</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,661.69	1/4	4,324.13	1/4	3,970.06	1/4	3,599.68	1/4	3,223.21	1/4	2,845.14	1/4	2,467.01		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,654.81	1/2	4,316.92	1/2	3,962.50	1/2	3,591.83	1/2	3,215.35	1/2	2,837.26	1/2	2,459.13		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,647.94	3/4	4,309.70	3/4	3,954.95	3/4	3,583.99	3/4	3,207.49	3/4	2,829.38	3/4	2,451.25		
<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>4,641.07</b>	<b>11</b>	<b>4,302.49</b>	<b>11</b>	<b>3,947.39</b>	<b>11</b>	<b>3,576.15</b>	<b>11</b>	<b>3,199.64</b>	<b>11</b>	<b>2,821.51</b>	<b>11</b>	<b>2,443.38</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,634.18	1/4	4,295.25	1/4	3,939.80	1/4	3,568.30	1/4	3,191.76	1/4	2,813.63	1/4	2,435.50		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,959.94	1/2	4,627.28	1/2	4,288.00	1/2	3,932.22	1/2	3,560.46	1/2	3,183.88	1/2	2,805.75	1/2	2,427.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,954.55	3/4	4,620.39	3/4	4,280.76	3/4	3,924.63	3/4	3,552.62	3/4	3,176.00	3/4	2,797.87	3/4	2,419.74

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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
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# BARGE "KIRBY 29136"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

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	2,411.87	0	2,033.74	0	1,655.61	0	1,278.92	0	901.51	0	523.43	0	176.24	0		0		0	
1/4	2,403.99	1/4	2,025.86	1/4	1,647.73	1/4	1,271.09	1/4	893.63	1/4	515.61	1/4	169.72	1/4	1/4	1/4		1/4	
1/2	2,396.11	1/2	2,017.98	1/2	1,639.85	1/2	1,263.26	1/2	885.76	1/2	507.79	1/2	163.20	1/2	1/2	1/2		1/2	
3/4	2,388.23	3/4	2,010.10	3/4	1,631.97	3/4	1,255.43	3/4	877.88	3/4	499.97	3/4	156.68	3/4	3/4	3/4		3/4	
1	2,380.36	1	2,002.23	1	1,624.10	1	1,247.60	1	870.00	1	492.15	1	150.16	1	1	1		1	
1/4	2,372.48	1/4	1,994.35	1/4	1,616.22	1/4	1,239.78	1/4	862.12	1/4	484.43	1/4	143.76	1/4	1/4	1/4		1/4	
1/2	2,364.60	1/2	1,986.47	1/2	1,608.34	1/2	1,231.95	1/2	854.25	1/2	476.70	1/2	137.35	1/2	1/2	1/2		1/2	
3/4	2,356.72	3/4	1,978.59	3/4	1,600.46	3/4	1,224.12	3/4	846.37	3/4	468.97	3/4	130.95	3/4	3/4	3/4		3/4	
2	2,348.84	2	1,970.71	2	1,592.59	2	1,216.29	2	838.49	2	461.25	2	124.54	2	2	2		2	
1/4	2,340.97	1/4	1,962.84	1/4	1,584.71	1/4	1,208.46	1/4	830.61	1/4	453.63	1/4	118.26	1/4	1/4	1/4		1/4	
1/2	2,333.09	1/2	1,954.96	1/2	1,576.83	1/2	1,200.63	1/2	822.74	1/2	446.01	1/2	111.97	1/2	1/2	1/2		1/2	
3/4	2,325.21	3/4	1,947.08	3/4	1,568.95	3/4	1,192.81	3/4	814.86	3/4	438.39	3/4	105.69	3/4	3/4	3/4		3/4	
3	2,317.33	3	1,939.20	3	1,561.07	3	1,184.98	3	806.98	3	430.78	3	99.41	3	3	3		3	
1/4	2,309.46	1/4	1,931.33	1/4	1,553.21	1/4	1,177.13	1/4	799.10	1/4	423.27	1/4	93.25	1/4	1/4	1/4		1/4	
1/2	2,301.58	1/2	1,923.45	1/2	1,545.34	1/2	1,169.28	1/2	791.23	1/2	415.76	1/2	87.10	1/2	1/2	1/2		1/2	
3/4	2,293.70	3/4	1,915.57	3/4	1,537.47	3/4	1,161.44	3/4	783.35	3/4	408.25	3/4	80.94	3/4	3/4	3/4		3/4	
4	2,285.82	4	1,907.69	4	1,529.61	4	1,153.59	4	775.47	4	400.74	4	74.79	4	4	4		4	
1/4	2,277.95	1/4	1,899.82	1/4	1,521.76	1/4	1,145.71	1/4	767.59	1/4	393.34	1/4	68.78	1/4	1/4	1/4		1/4	
1/2	2,270.07	1/2	1,891.94	1/2	1,513.91	1/2	1,137.84	1/2	759.72	1/2	385.95	1/2	62.76	1/2	1/2	1/2		1/2	
3/4	2,262.19	3/4	1,884.06	3/4	1,506.06	3/4	1,129.96	3/4	751.84	3/4	378.55	3/4	56.75	3/4	3/4	3/4		3/4	
5	2,254.31	5	1,876.18	5	1,498.21	5	1,122.08	5	743.96	5	371.15	5	50.74	5	5	5		5	
1/4	2,246.43	1/4	1,868.30	1/4	1,490.37	1/4	1,114.20	1/4	736.08	1/4	363.86	1/4	45.32	1/4	1/4	1/4		1/4	
1/2	2,238.56	1/2	1,860.43	1/2	1,482.53	1/2	1,106.33	1/2	728.21	1/2	356.57	1/2	39.90	1/2	1/2	1/2		1/2	
3/4	2,230.68	3/4	1,852.55	3/4	1,474.68	3/4	1,098.45	3/4	720.33	3/4	349.28	3/4	34.48	3/4	3/4	3/4		3/4	
6	2,222.80	6	1,844.67	6	1,466.84	6	1,090.57	6	712.45	6	341.99	6	29.06	6	6	6		6	
1/4	2,214.92	1/4	1,836.79	1/4	1,459.01	1/4	1,082.69	1/4	704.57	1/4	334.81	1/4	25.09	1/4	1/4	1/4		1/4	
1/2	2,207.05	1/2	1,828.92	1/2	1,451.17	1/2	1,074.82	1/2	696.70	1/2	327.63	1/2	21.13	1/2	1/2	1/2		1/2	
3/4	2,199.17	3/4	1,821.04	3/4	1,443.33	3/4	1,066.94	3/4	688.82	3/4	320.45	3/4	17.16	3/4	3/4	3/4		3/4	
7	2,191.29	7	1,813.16	7	1,435.50	7	1,059.06	7	680.94	7	313.27	7	13.19	7	7	7		7	
1/4	2,183.41	1/4	1,805.28	1/4	1,427.67	1/4	1,051.18	1/4	673.06	1/4	306.20	1/4		1/4	1/4	1/4		1/4	
1/2	2,175.54	1/2	1,797.41	1/2	1,419.83	1/2	1,043.31	1/2	665.19	1/2	299.13	1/2		1/2	1/2	1/2		1/2	
3/4	2,167.66	3/4	1,789.53	3/4	1,412.00	3/4	1,035.43	3/4	657.31	3/4	292.06	3/4		3/4	3/4	3/4		3/4	
8	2,159.78	8	1,781.65	8	1,404.17	8	1,027.55	8	649.43	8	284.99	8		8	8	8		8	
1/4	2,151.90	1/4	1,773.77	1/4	1,396.34	1/4	1,019.67	1/4	641.55	1/4	278.03	1/4		1/4	1/4	1/4		1/4	
1/2	2,144.02	1/2	1,765.89	1/2	1,388.51	1/2	1,011.80	1/2	633.68	1/2	271.07	1/2		1/2	1/2	1/2		1/2	
3/4	2,136.15	3/4	1,758.02	3/4	1,380.68	3/4	1,003.92	3/4	625.80	3/4	264.11	3/4		3/4	3/4	3/4		3/4	
9	2,128.27	9	1,750.14	9	1,372.86	9	996.04	9	617.92	9	257.15	9		9	9	9		9	
1/4	2,120.39	1/4	1,742.26	1/4	1,365.03	1/4	988.16	1/4	610.04	1/4	250.30	1/4		1/4	1/4	1/4		1/4	
1/2	2,112.51	1/2	1,734.38	1/2	1,357.20	1/2	980.29	1/2	602.17	1/2	243.44	1/2		1/2	1/2	1/2		1/2	
3/4	2,104.64	3/4	1,726.51	3/4	1,349.37	3/4	972.41	3/4	594.29	3/4	236.59	3/4		3/4	3/4	3/4		3/4	
10	2,096.76	10	1,718.63	10	1,341.54	10	964.53	10	586.41	10	229.74	10		10	10	10		10	
1/4	2,088.88	1/4	1,710.75	1/4	1,333.71	1/4	956.65	1/4	578.53	1/4	223.00	1/4		1/4	1/4	1/4		1/4	
1/2	2,081.00	1/2	1,702.87	1/2	1,325.89	1/2	948.78	1/2	570.66	1/2	216.26	1/2		1/2	1/2	1/2		1/2	
3/4	2,073.13	3/4	1,695.00	3/4	1,318.06	3/4	940.90	3/4	562.78	3/4	209.52	3/4		3/4	3/4	3/4		3/4	
11	2,065.25	11	1,687.12	11	1,310.23	11	933.02	11	554.90	11	202.77	11		11	11	11		11	
1/4	2,057.37	1/4	1,679.24	1/4	1,302.40	1/4	925.14	1/4	547.03	1/4	196.14	1/4		1/4	1/4	1/4		1/4	
1/2	2,049.49	1/2	1,671.36	1/2	1,294.57	1/2	917.27	1/2	539.17	1/2	189.51	1/2		1/2	1/2	1/2		1/2	
3/4	2,041.61	3/4	1,663.48	3/4	1,286.74	3/4	909.39	3/4	531.30	3/4	182.88	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/08/2014 CL  
CALCULATED: 12/08/2014 CL  
PRINTED: 12/08/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2014

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



# BARGE "KIRBY 29136"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN			
0		0		0		0	4,949.21	0	4,613.65	0	4,273.79	0	3,917.44	0	3,545.31	0	3,168.78	0	2,790.78		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,942.53	1/4	4,606.73	1/4	4,266.52	1/4	3,909.83	1/4	3,537.47	1/4	3,160.90	1/4	2,782.91		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,935.86	1/2	4,599.81	1/2	4,259.26	1/2	3,902.22	1/2	3,529.63	1/2	3,153.03	1/2	2,775.03		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,929.18	3/4	4,592.89	3/4	4,251.99	3/4	3,894.60	3/4	3,521.79	3/4	3,145.15	3/4	2,767.16		
1	1	1	1	1	1	1	4,922.50	1	4,585.97	1	4,244.73	1	3,886.99	1	3,513.95	1	3,137.28	1	2,759.28		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,914.89	1/4	4,579.02	1/4	4,237.44	1/4	3,879.35	1/4	3,506.11	1/4	3,129.40	1/4	2,751.41		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,907.28	1/2	4,572.07	1/2	4,230.14	1/2	3,871.71	1/2	3,498.26	1/2	3,121.53	1/2	2,743.53		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,899.67	3/4	4,565.12	3/4	4,222.85	3/4	3,864.08	3/4	3,490.42	3/4	3,113.65	3/4	2,735.66		
2	2	2	2	2	2	2	4,892.06	2	4,558.17	2	4,215.56	2	3,856.44	2	3,482.58	2	3,105.78	2	2,727.78		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,884.22	1/4	4,551.19	1/4	4,208.23	1/4	3,848.77	1/4	3,474.74	1/4	3,097.90	1/4	2,719.91		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,876.38	1/2	4,544.21	1/2	4,200.91	1/2	3,841.11	1/2	3,466.90	1/2	3,090.03	1/2	2,712.03		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,868.54	3/4	4,537.23	3/4	4,193.59	3/4	3,833.44	3/4	3,459.06	3/4	3,082.15	3/4	2,704.16		
3	3	3	3	3	3	3	4,860.70	3	4,530.25	3	4,186.27	3	3,825.78	3	3,451.22	3	3,074.28	3	2,696.28		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,853.29	1/4	4,523.24	1/4	4,178.91	1/4	3,818.08	1/4	3,443.38	1/4	3,066.40	1/4	2,688.41		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,845.89	1/2	4,516.24	1/2	4,171.56	1/2	3,810.38	1/2	3,435.54	1/2	3,058.53	1/2	2,680.53		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,838.48	3/4	4,509.23	3/4	4,164.21	3/4	3,802.69	3/4	3,427.70	3/4	3,050.66	3/4	2,672.66		
4	4	4	4	4	4	4	4,831.07	4	4,502.22	4	4,156.86	4	3,794.99	4	3,419.86	4	3,042.78	4	2,664.79		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,824.38	1/4	4,495.18	1/4	4,149.48	1/4	3,787.27	1/4	3,412.02	1/4	3,034.91	1/4	2,656.91		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,817.69	1/2	4,488.15	1/2	4,142.10	1/2	3,779.55	1/2	3,404.18	1/2	3,027.03	1/2	2,649.04		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,810.99	3/4	4,481.11	3/4	4,134.72	3/4	3,771.82	3/4	3,396.34	3/4	3,019.16	3/4	2,641.16		
5	5	5	5	5	5	5	4,804.30	5	4,474.08	5	4,127.34	5	3,764.10	5	3,388.50	5	3,011.28	5	2,633.29		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,797.58	1/4	4,467.01	1/4	4,119.93	1/4	3,756.35	1/4	3,380.66	1/4	3,003.41	1/4	2,625.41		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,790.86	1/2	4,459.94	1/2	4,112.52	1/2	3,748.59	1/2	3,372.82	1/2	2,995.53	1/2	2,617.54		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,784.13	3/4	4,452.88	3/4	4,105.11	3/4	3,740.84	3/4	3,364.98	3/4	2,987.66	3/4	2,609.66		
6	6	6	6	6	6	6	4,777.41	6	4,445.81	6	4,097.70	6	3,733.09	6	3,357.14	6	2,979.78	6	2,601.79		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,770.66	1/4	4,438.72	1/4	4,090.27	1/4	3,725.31	1/4	3,349.30	1/4	2,971.91	1/4	2,593.91		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,763.91	1/2	4,431.62	1/2	4,082.83	1/2	3,717.52	1/2	3,341.46	1/2	2,964.03	1/2	2,586.04		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,757.16	3/4	4,424.53	3/4	4,075.39	3/4	3,709.74	3/4	3,333.62	3/4	2,956.16	3/4	2,578.16		
7	7	7	7	7	7	7	4,750.41	7	4,417.43	7	4,067.95	7	3,701.96	7	3,325.78	7	2,948.28	7	2,570.29		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,743.63	1/4	4,410.31	1/4	4,060.48	1/4	3,694.15	1/4	3,317.94	1/4	2,940.41	1/4	2,562.41		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,736.85	1/2	4,403.19	1/2	4,053.02	1/2	3,686.34	1/2	3,310.10	1/2	2,932.53	1/2	2,554.54		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,730.07	3/4	4,396.06	3/4	4,045.55	3/4	3,678.53	3/4	3,302.26	3/4	2,924.66	3/4	2,546.66		
8	8	8	8	8	8	8	4,723.29	8	4,388.94	8	4,038.08	8	3,670.72	8	3,294.42	8	2,916.78	8	2,538.79		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,716.47	1/4	4,381.78	1/4	4,030.59	1/4	3,662.88	1/4	3,286.58	1/4	2,908.91	1/4	2,530.91		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,709.66	1/2	4,374.63	1/2	4,023.09	1/2	3,655.05	1/2	3,278.74	1/2	2,901.03	1/2	2,523.04		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,702.85	3/4	4,367.48	3/4	4,015.59	3/4	3,647.22	3/4	3,270.90	3/4	2,893.16	3/4	2,515.16		
9	9	9	9	9	9	9	4,696.04	9	4,360.33	9	4,008.10	9	3,639.39	9	3,263.06	9	2,885.28	9	2,507.29		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,689.21	1/4	4,353.14	1/4	4,000.57	1/4	3,631.55	1/4	3,255.22	1/4	2,877.41	1/4	2,499.41		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,682.37	1/2	4,345.96	1/2	3,993.05	1/2	3,623.71	1/2	3,247.38	1/2	2,869.53	1/2	2,491.54		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,675.53	3/4	4,338.78	3/4	3,985.52	3/4	3,615.87	3/4	3,239.54	3/4	2,861.66	3/4	2,483.66		
10	10	10	10	10	10	10	4,668.69	10	4,331.60	10	3,978.00	10	3,608.03	10	3,231.70	10	2,853.78	10	2,475.79		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,661.82	1/4	4,324.39	1/4	3,970.44	1/4	3,600.19	1/4	3,223.85	1/4	2,845.91	1/4	2,467.91		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,654.95	1/2	4,317.18	1/2	3,962.89	1/2	3,592.35	1/2	3,215.99	1/2	2,838.03	1/2	2,460.04		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,648.09	3/4	4,309.96	3/4	3,955.33	3/4	3,584.51	3/4	3,208.13	3/4	2,830.16	3/4	2,452.16		
11	11	11	11	11	11	11	4,641.22	11	4,302.75	11	3,947.78	11	3,576.67	11	3,200.28	11	2,822.28	11	2,444.29		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,634.32	1/4	4,295.51	1/4	3,940.19	1/4	3,568.83	1/4	3,192.40	1/4	2,814.41	1/4	2,436.41		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,959.97	1/2	4,627.43	1/2	4,288.27	1/2	3,932.61	1/2	3,560.99	1/2	3,184.53	1/2	2,806.53	1/2	2,428.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,954.59	3/4	4,620.54	3/4	4,281.03	3/4	3,925.03	3/4	3,553.15	3/4	3,176.65	3/4	2,798.66	3/4	2,420.66

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 29136"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

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	2,412.79	0	2,034.79	0	1,656.80	0	1,278.80	0	901.12	0	523.25	0	176.18	0		0		0	
1/4	2,404.91	1/4	2,026.92	1/4	1,648.92	1/4	1,270.93	1/4	893.25	1/4	515.43	1/4	169.66	1/4	1/4	1/4		1/4	
1/2	2,397.04	1/2	2,019.04	1/2	1,641.05	1/2	1,263.05	1/2	885.39	1/2	507.61	1/2	163.15	1/2	1/2	1/2		1/2	
3/4	2,389.16	3/4	2,011.17	3/4	1,633.17	3/4	1,255.18	3/4	877.53	3/4	499.80	3/4	156.63	3/4	3/4	3/4		3/4	
1	2,381.29	1	2,003.29	1	1,625.30	1	1,247.30	1	869.66	1	491.98	1	150.11	1	1	1		1	
1/4	2,373.41	1/4	1,995.42	1/4	1,617.42	1/4	1,239.43	1/4	861.80	1/4	484.26	1/4	143.71	1/4	1/4	1/4		1/4	
1/2	2,365.54	1/2	1,987.54	1/2	1,609.55	1/2	1,231.55	1/2	853.93	1/2	476.53	1/2	137.30	1/2	1/2	1/2		1/2	
3/4	2,357.66	3/4	1,979.67	3/4	1,601.67	3/4	1,223.68	3/4	846.06	3/4	468.81	3/4	130.90	3/4	3/4	3/4		3/4	
2	2,349.79	2	1,971.79	2	1,593.80	2	1,215.80	2	838.19	2	461.08	2	124.50	2	2	2		2	
1/4	2,341.91	1/4	1,963.92	1/4	1,585.92	1/4	1,207.93	1/4	830.32	1/4	453.47	1/4	118.22	1/4	1/4	1/4		1/4	
1/2	2,334.04	1/2	1,956.04	1/2	1,578.05	1/2	1,200.05	1/2	822.44	1/2	445.85	1/2	111.94	1/2	1/2	1/2		1/2	
3/4	2,326.16	3/4	1,948.17	3/4	1,570.17	3/4	1,192.18	3/4	814.57	3/4	438.24	3/4	105.65	3/4	3/4	3/4		3/4	
3	2,318.29	3	1,940.29	3	1,562.30	3	1,184.30	3	806.70	3	430.62	3	99.37	3	3	3		3	
1/4	2,310.41	1/4	1,932.42	1/4	1,554.42	1/4	1,176.43	1/4	798.82	1/4	423.12	1/4	93.22	1/4	1/4	1/4		1/4	
1/2	2,302.54	1/2	1,924.54	1/2	1,546.55	1/2	1,168.55	1/2	790.95	1/2	415.61	1/2	87.07	1/2	1/2	1/2		1/2	
3/4	2,294.66	3/4	1,916.67	3/4	1,538.67	3/4	1,160.68	3/4	783.07	3/4	408.11	3/4	80.91	3/4	3/4	3/4		3/4	
4	2,286.79	4	1,908.79	4	1,530.80	4	1,152.80	4	775.20	4	400.60	4	74.76	4	4	4		4	
1/4	2,278.91	1/4	1,900.92	1/4	1,522.92	1/4	1,144.93	1/4	767.32	1/4	393.21	1/4	68.75	1/4	1/4	1/4		1/4	
1/2	2,271.04	1/2	1,893.04	1/2	1,515.05	1/2	1,137.05	1/2	759.45	1/2	385.81	1/2	62.74	1/2	1/2	1/2		1/2	
3/4	2,263.17	3/4	1,885.17	3/4	1,507.17	3/4	1,129.18	3/4	751.57	3/4	378.41	3/4	56.73	3/4	3/4	3/4		3/4	
5	2,255.29	5	1,877.30	5	1,499.30	5	1,121.30	5	743.70	5	371.02	5	50.72	5	5	5		5	
1/4	2,247.42	1/4	1,869.42	1/4	1,491.42	1/4	1,113.43	1/4	735.82	1/4	363.73	1/4	45.30	1/4	1/4	1/4		1/4	
1/2	2,239.54	1/2	1,861.55	1/2	1,483.55	1/2	1,105.56	1/2	727.95	1/2	356.44	1/2	39.88	1/2	1/2	1/2		1/2	
3/4	2,231.67	3/4	1,853.67	3/4	1,475.68	3/4	1,097.69	3/4	720.07	3/4	349.16	3/4	34.47	3/4	3/4	3/4		3/4	
6	2,223.79	6	1,845.80	6	1,467.80	6	1,089.82	6	712.20	6	341.87	6	29.05	6	6	6		6	
1/4	2,215.92	1/4	1,837.92	1/4	1,459.93	1/4	1,081.96	1/4	704.32	1/4	334.69	1/4	25.08	1/4	1/4	1/4		1/4	
1/2	2,208.04	1/2	1,830.05	1/2	1,452.05	1/2	1,074.10	1/2	696.45	1/2	327.52	1/2	21.12	1/2	1/2	1/2		1/2	
3/4	2,200.17	3/4	1,822.17	3/4	1,444.18	3/4	1,066.23	3/4	688.57	3/4	320.34	3/4	17.15	3/4	3/4	3/4		3/4	
7	2,192.29	7	1,814.30	7	1,436.30	7	1,058.37	7	680.70	7	313.16	7	13.19	7	7	7		7	
1/4	2,184.42	1/4	1,806.42	1/4	1,428.43	1/4	1,050.51	1/4	672.83	1/4	306.09	1/4		1/4	1/4	1/4		1/4	
1/2	2,176.54	1/2	1,798.55	1/2	1,420.55	1/2	1,042.65	1/2	664.95	1/2	299.03	1/2		1/2	1/2	1/2		1/2	
3/4	2,168.67	3/4	1,790.67	3/4	1,412.68	3/4	1,034.78	3/4	657.08	3/4	291.96	3/4		3/4	3/4	3/4		3/4	
8	2,160.79	8	1,782.80	8	1,404.80	8	1,026.92	8	649.20	8	284.89	8		8	8	8		8	
1/4	2,152.92	1/4	1,774.92	1/4	1,396.93	1/4	1,019.06	1/4	641.33	1/4	277.93	1/4		1/4	1/4	1/4		1/4	
1/2	2,145.04	1/2	1,767.05	1/2	1,389.05	1/2	1,011.19	1/2	633.45	1/2	270.97	1/2		1/2	1/2	1/2		1/2	
3/4	2,137.17	3/4	1,759.17	3/4	1,381.18	3/4	1,003.33	3/4	625.58	3/4	264.02	3/4		3/4	3/4	3/4		3/4	
9	2,129.29	9	1,751.30	9	1,373.30	9	995.47	9	617.70	9	257.06	9		9	9	9		9	
1/4	2,121.42	1/4	1,743.42	1/4	1,365.43	1/4	987.61	1/4	609.83	1/4	250.21	1/4		1/4	1/4	1/4		1/4	
1/2	2,113.54	1/2	1,735.55	1/2	1,357.55	1/2	979.74	1/2	601.95	1/2	243.36	1/2		1/2	1/2	1/2		1/2	
3/4	2,105.67	3/4	1,727.67	3/4	1,349.68	3/4	971.88	3/4	594.08	3/4	236.51	3/4		3/4	3/4	3/4		3/4	
10	2,097.79	10	1,719.80	10	1,341.80	10	964.02	10	586.20	10	229.66	10		10	10	10		10	
1/4	2,089.92	1/4	1,711.92	1/4	1,333.93	1/4	956.16	1/4	578.33	1/4	222.92	1/4		1/4	1/4	1/4		1/4	
1/2	2,082.04	1/2	1,704.05	1/2	1,326.05	1/2	948.29	1/2	570.45	1/2	216.18	1/2		1/2	1/2	1/2		1/2	
3/4	2,074.17	3/4	1,696.17	3/4	1,318.18	3/4	940.43	3/4	562.58	3/4	209.44	3/4		3/4	3/4	3/4		3/4	
11	2,066.29	11	1,688.30	11	1,310.30	11	932.57	11	554.71	11	202.70	11		11	11	11		11	
1/4	2,058.42	1/4	1,680.42	1/4	1,302.43	1/4	924.70	1/4	546.84	1/4	196.07	1/4		1/4	1/4	1/4		1/4	
1/2	2,050.54	1/2	1,672.55	1/2	1,294.55	1/2	916.84	1/2	538.98	1/2	189.44	1/2		1/2	1/2	1/2		1/2	
3/4	2,042.67	3/4	1,664.67	3/4	1,286.68	3/4	908.98	3/4	531.11	3/4	182.81	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/08/2014 CL  
CALCULATED: 12/08/2014 CL  
PRINTED: 12/08/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2014

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



# BARGE "KIRBY 29136"

## 2 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>	
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>	
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>	
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>	
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>	
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>	
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>	
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>	
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>	
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>	
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>	
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	
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 52'-03" 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 29136"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,357.40	0	1,998.40	0	1,639.40	0	1,289.31	0	944.54	0	586.92	0	227.93	0		0		0	
1/4	2,349.92	1/4	1,990.92	1/4	1,631.92	1/4	1,282.12	1/4	937.37	1/4	579.44	1/4	220.45	1/4	1/4	1/4		1/4	1/4
1/2	2,342.44	1/2	1,983.44	1/2	1,624.44	1/2	1,274.92	1/2	930.19	1/2	571.96	1/2	212.97	1/2	1/2	1/2		1/2	1/2
3/4	2,334.96	3/4	1,975.96	3/4	1,616.97	3/4	1,267.73	3/4	922.90	3/4	564.48	3/4	205.50	3/4	3/4	3/4		3/4	3/4
1	2,327.48	1	1,968.48	1	1,609.49	1	1,260.53	1	915.61	1	557.00	1	198.02	1	1	1		1	1
1/4	2,320.00	1/4	1,961.00	1/4	1,602.01	1/4	1,253.33	1/4	908.32	1/4	549.52	1/4	190.54	1/4	1/4	1/4		1/4	1/4
1/2	2,312.52	1/2	1,953.52	1/2	1,594.53	1/2	1,246.14	1/2	901.03	1/2	542.04	1/2	183.07	1/2	1/2	1/2		1/2	1/2
3/4	2,305.04	3/4	1,946.05	3/4	1,587.05	3/4	1,238.94	3/4	893.55	3/4	534.56	3/4	175.60	3/4	3/4	3/4		3/4	3/4
2	2,297.56	2	1,938.57	2	1,579.57	2	1,231.75	2	886.07	2	527.09	2	168.13	2	2	2		2	2
1/4	2,290.08	1/4	1,931.09	1/4	1,572.09	1/4	1,224.55	1/4	878.59	1/4	519.61	1/4	160.65	1/4	1/4	1/4		1/4	1/4
1/2	2,282.60	1/2	1,923.61	1/2	1,564.61	1/2	1,217.35	1/2	871.12	1/2	512.13	1/2	153.18	1/2	1/2	1/2		1/2	1/2
3/4	2,275.13	3/4	1,916.13	3/4	1,557.13	3/4	1,210.16	3/4	863.64	3/4	504.65	3/4	145.72	3/4	3/4	3/4		3/4	3/4
3	2,267.65	3	1,908.65	3	1,549.65	3	1,202.97	3	856.16	3	497.17	3	138.27	3	3	3		3	3
1/4	2,260.17	1/4	1,901.17	1/4	1,542.17	1/4	1,195.78	1/4	848.68	1/4	489.69	1/4	130.81	1/4	1/4	1/4		1/4	1/4
1/2	2,252.69	1/2	1,893.69	1/2	1,534.69	1/2	1,188.59	1/2	841.20	1/2	482.21	1/2	123.35	1/2	1/2	1/2		1/2	1/2
3/4	2,245.21	3/4	1,886.21	3/4	1,527.32	3/4	1,181.40	3/4	833.72	3/4	474.73	3/4	115.91	3/4	3/4	3/4		3/4	3/4
4	2,237.73	4	1,878.73	4	1,519.95	4	1,174.22	4	826.24	4	467.25	4	108.47	4	4	4		4	4
1/4	2,230.25	1/4	1,871.25	1/4	1,512.57	1/4	1,167.04	1/4	818.76	1/4	459.78	1/4	101.02	1/4	1/4	1/4		1/4	1/4
1/2	2,222.77	1/2	1,863.78	1/2	1,505.20	1/2	1,159.85	1/2	811.28	1/2	452.30	1/2	93.58	1/2	1/2	1/2		1/2	1/2
3/4	2,215.29	3/4	1,856.30	3/4	1,498.00	3/4	1,152.67	3/4	803.81	3/4	444.82	3/4	86.17	3/4	3/4	3/4		3/4	3/4
5	2,207.81	5	1,848.82	5	1,490.81	5	1,145.49	5	796.33	5	437.34	5	78.76	5	5	5		5	5
1/4	2,200.33	1/4	1,841.34	1/4	1,483.61	1/4	1,138.31	1/4	788.85	1/4	429.86	1/4	71.35	1/4	1/4	1/4		1/4	1/4
1/2	2,192.86	1/2	1,833.86	1/2	1,476.42	1/2	1,131.13	1/2	781.37	1/2	422.38	1/2	63.94	1/2	1/2	1/2		1/2	1/2
3/4	2,185.38	3/4	1,826.38	3/4	1,469.22	3/4	1,123.95	3/4	773.89	3/4	414.90	3/4	56.99	3/4	3/4	3/4		3/4	3/4
6	2,177.90	6	1,818.90	6	1,462.02	6	1,116.77	6	766.41	6	407.42	6	50.04	6	6	6		6	6
1/4	2,170.42	1/4	1,811.42	1/4	1,454.83	1/4	1,109.60	1/4	758.93	1/4	399.94	1/4	43.09	1/4	1/4	1/4		1/4	1/4
1/2	2,162.94	1/2	1,803.94	1/2	1,447.63	1/2	1,102.42	1/2	751.45	1/2	392.47	1/2	36.14	1/2	1/2	1/2		1/2	1/2
3/4	2,155.46	3/4	1,796.46	3/4	1,440.44	3/4	1,095.25	3/4	743.97	3/4	384.99	3/4	30.84	3/4	3/4	3/4		3/4	3/4
7	2,147.98	7	1,788.98	7	1,433.24	7	1,088.07	7	736.50	7	377.51	7	25.55	7	7	7		7	7
1/4	2,140.50	1/4	1,781.51	1/4	1,426.04	1/4	1,080.89	1/4	729.02	1/4	370.03	1/4	20.26	1/4	1/4	1/4		1/4	1/4
1/2	2,133.02	1/2	1,774.03	1/2	1,418.85	1/2	1,073.72	1/2	721.54	1/2	362.55	1/2	14.96	1/2	1/2	1/2		1/2	1/2
3/4	2,125.54	3/4	1,766.55	3/4	1,411.65	3/4	1,066.54	3/4	714.06	3/4	355.07	3/4		3/4	3/4	3/4		3/4	3/4
8	2,118.06	8	1,759.07	8	1,404.45	8	1,059.36	8	706.58	8	347.59	8		8	8	8		8	8
1/4	2,110.59	1/4	1,751.59	1/4	1,397.26	1/4	1,052.19	1/4	699.10	1/4	340.11	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,103.11	1/2	1,744.11	1/2	1,390.06	1/2	1,045.01	1/2	691.62	1/2	332.63	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,095.63	3/4	1,736.63	3/4	1,382.87	3/4	1,037.84	3/4	684.14	3/4	325.16	3/4		3/4	3/4	3/4		3/4	3/4
9	2,088.15	9	1,729.15	9	1,375.67	9	1,030.66	9	676.66	9	317.68	9		9	9	9		9	9
1/4	2,080.67	1/4	1,721.67	1/4	1,368.47	1/4	1,023.48	1/4	669.19	1/4	310.20	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,073.19	1/2	1,714.19	1/2	1,361.28	1/2	1,016.31	1/2	661.71	1/2	302.72	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,065.71	3/4	1,706.71	3/4	1,354.08	3/4	1,009.13	3/4	654.23	3/4	295.24	3/4		3/4	3/4	3/4		3/4	3/4
10	2,058.23	10	1,699.24	10	1,346.88	10	1,001.95	10	646.75	10	287.76	10		10	10	10		10	10
1/4	2,050.75	1/4	1,691.76	1/4	1,339.69	1/4	994.78	1/4	639.27	1/4	280.28	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,043.27	1/2	1,684.28	1/2	1,332.49	1/2	987.60	1/2	631.79	1/2	272.80	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,035.79	3/4	1,676.80	3/4	1,325.30	3/4	980.42	3/4	624.31	3/4	265.32	3/4		3/4	3/4	3/4		3/4	3/4
11	2,028.32	11	1,669.32	11	1,318.10	11	973.25	11	616.83	11	257.85	11		11	11	11		11	11
1/4	2,020.84	1/4	1,661.84	1/4	1,310.90	1/4	966.07	1/4	609.35	1/4	250.37	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,013.36	1/2	1,654.36	1/2	1,303.71	1/2	958.90	1/2	601.87	1/2	242.89	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,005.88	3/4	1,646.88	3/4	1,296.51	3/4	951.72	3/4	594.40	3/4	235.41	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/08/2014 CL  
CALCULATED: 12/08/2014 CL  
PRINTED: 12/08/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2014

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





# BARGE "KIRBY 29136"

## 2 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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	4,790.82	0	4,473.75	0	4,150.24	0	3,811.60	0	3,458.33	0	3,100.65	0	2,741.52
1/4		1/4		1/4		1/4	4,785.71	1/4	4,467.17	1/4	4,143.34	1/4	3,804.39	1/4	3,450.88	1/4	3,093.17	1/4	2,734.04
1/2		1/2		1/2		1/2	4,780.60	1/2	4,460.59	1/2	4,136.44	1/2	3,797.17	1/2	3,443.43	1/2	3,085.68	1/2	2,726.55
3/4		3/4		3/4		3/4	4,774.25	3/4	4,453.98	3/4	4,129.52	3/4	3,789.93	3/4	3,435.98	3/4	3,078.20	3/4	2,719.07
1		1		1		1	4,767.91	1	4,447.37	1	4,122.59	1	3,782.69	1	3,428.53	1	3,070.72	1	2,711.59
1/4		1/4		1/4		1/4	4,761.57	1/4	4,440.77	1/4	4,115.67	1/4	3,775.45	1/4	3,421.08	1/4	3,063.24	1/4	2,704.11
1/2		1/2		1/2		1/2	4,755.22	1/2	4,434.16	1/2	4,108.75	1/2	3,768.21	1/2	3,413.63	1/2	3,055.76	1/2	2,696.63
3/4		3/4		3/4		3/4	4,747.99	3/4	4,427.53	3/4	4,101.80	3/4	3,760.94	3/4	3,406.19	3/4	3,048.27	3/4	2,689.14
2		2		2		2	4,740.76	2	4,420.89	2	4,094.85	2	3,753.68	2	3,398.74	2	3,040.79	2	2,681.66
1/4		1/4		1/4		1/4	4,733.53	1/4	4,414.26	1/4	4,087.91	1/4	3,746.41	1/4	3,391.29	1/4	3,033.31	1/4	2,674.18
1/2		1/2		1/2		1/2	4,726.31	1/2	4,407.63	1/2	4,080.96	1/2	3,739.15	1/2	3,383.84	1/2	3,025.83	1/2	2,666.70
3/4		3/4		3/4		3/4	4,718.86	3/4	4,400.97	3/4	4,073.98	3/4	3,731.86	3/4	3,376.39	3/4	3,018.35	3/4	2,659.22
3		3		3		3	4,711.41	3	4,394.31	3	4,067.01	3	3,724.57	3	3,368.94	3	3,010.87	3	2,651.73
1/4		1/4		1/4		1/4	4,703.96	1/4	4,387.65	1/4	4,060.03	1/4	3,717.28	1/4	3,361.49	1/4	3,003.38	1/4	2,644.25
1/2		1/2		1/2		1/2	4,696.51	1/2	4,380.99	1/2	4,053.06	1/2	3,709.99	1/2	3,354.04	1/2	2,995.90	1/2	2,636.77
3/4		3/4		3/4		3/4	4,689.45	3/4	4,374.30	3/4	4,046.05	3/4	3,702.67	3/4	3,346.59	3/4	2,988.42	3/4	2,629.29
4		4		4		4	4,682.40	4	4,367.61	4	4,039.05	4	3,695.36	4	3,339.14	4	2,980.94	4	2,621.81
1/4		1/4		1/4		1/4	4,675.35	1/4	4,360.93	1/4	4,032.05	1/4	3,688.04	1/4	3,331.69	1/4	2,973.46	1/4	2,614.32
1/2		1/2		1/2		1/2	4,668.30	1/2	4,354.24	1/2	4,025.05	1/2	3,680.72	1/2	3,324.24	1/2	2,965.97	1/2	2,606.84
3/4		3/4		3/4		3/4	4,661.90	3/4	4,347.53	3/4	4,018.02	3/4	3,673.38	3/4	3,316.79	3/4	2,958.49	3/4	2,599.36
5		5		5		5	4,655.50	5	4,340.82	5	4,011.00	5	3,666.04	5	3,309.34	5	2,951.01	5	2,591.88
1/4		1/4		1/4		1/4	4,649.10	1/4	4,334.10	1/4	4,003.97	1/4	3,658.69	1/4	3,301.89	1/4	2,943.53	1/4	2,584.40
1/2		1/2		1/2		1/2	4,642.71	1/2	4,327.39	1/2	3,996.94	1/2	3,651.35	1/2	3,294.44	1/2	2,936.05	1/2	2,576.92
3/4		3/4		3/4		3/4	4,636.28	3/4	4,320.65	3/4	3,989.88	3/4	3,643.98	3/4	3,286.99	3/4	2,928.56	3/4	2,569.43
6		6		6		6	4,629.86	6	4,313.91	6	3,982.83	6	3,636.61	6	3,279.54	6	2,921.08	6	2,561.95
1/4		1/4		1/4		1/4	4,623.43	1/4	4,307.17	1/4	3,975.78	1/4	3,629.24	1/4	3,272.09	1/4	2,913.60	1/4	2,554.47
1/2		1/2		1/2		1/2	4,617.01	1/2	4,300.43	1/2	3,968.72	1/2	3,621.87	1/2	3,264.64	1/2	2,906.12	1/2	2,546.99
3/4		3/4		3/4		3/4	4,610.56	3/4	4,293.67	3/4	3,961.64	3/4	3,614.48	3/4	3,257.19	3/4	2,898.64	3/4	2,539.51
7		7		7		7	4,604.10	7	4,286.90	7	3,954.56	7	3,607.08	7	3,249.74	7	2,891.15	7	2,532.02
1/4		1/4		1/4		1/4	4,597.65	1/4	4,280.13	1/4	3,947.48	1/4	3,599.68	1/4	3,242.29	1/4	2,883.67	1/4	2,524.54
1/2		1/2		1/2		1/2	4,591.20	1/2	4,273.37	1/2	3,940.40	1/2	3,592.29	1/2	3,234.84	1/2	2,876.19	1/2	2,517.06
3/4		3/4		3/4		3/4	4,584.72	3/4	4,266.58	3/4	3,933.29	3/4	3,584.87	3/4	3,227.39	3/4	2,868.71	3/4	2,509.58
8		8		8		8	4,578.25	8	4,259.78	8	3,926.18	8	3,577.44	8	3,219.94	8	2,861.23	8	2,502.10
1/4		1/4		1/4		1/4	4,571.77	1/4	4,252.99	1/4	3,919.07	1/4	3,570.02	1/4	3,212.49	1/4	2,853.75	1/4	2,494.61
1/2		1/2		1/2		1/2	4,565.29	1/2	4,246.20	1/2	3,911.97	1/2	3,562.60	1/2	3,205.04	1/2	2,846.26	1/2	2,487.13
3/4		3/4		3/4		3/4	4,558.78	3/4	4,239.38	3/4	3,904.83	3/4	3,555.15	3/4	3,197.59	3/4	2,838.78	3/4	2,479.65
9		9		9		9	4,552.28	9	4,232.56	9	3,897.70	9	3,547.71	9	3,190.14	9	2,831.30	9	2,472.17
1/4		1/4		1/4		1/4	4,545.77	1/4	4,225.74	1/4	3,890.56	1/4	3,540.27	1/4	3,182.69	1/4	2,823.82	1/4	2,464.69
1/2		1/2		1/2		1/2	4,539.27	1/2	4,218.92	1/2	3,883.43	1/2	3,532.83	1/2	3,175.24	1/2	2,816.34	1/2	2,457.20
3/4		3/4		3/4		3/4	4,532.74	3/4	4,212.07	3/4	3,876.27	3/4	3,525.38	3/4	3,167.79	3/4	2,808.85	3/4	2,449.72
10		10		10		10	4,526.21	10	4,205.23	10	3,869.11	10	3,517.93	10	3,160.35	10	2,801.37	10	2,442.24
1/4		1/4		1/4		1/4	4,519.68	1/4	4,198.38	1/4	3,861.94	1/4	3,510.48	1/4	3,152.90	1/4	2,793.89	1/4	2,434.76
1/2		1/2		1/2		1/2	4,513.14	1/2	4,191.53	1/2	3,854.78	1/2	3,503.03	1/2	3,145.45	1/2	2,786.41	1/2	2,427.28
3/4		3/4		3/4		3/4	4,506.59	3/4	4,184.66	3/4	3,847.60	3/4	3,495.58	3/4	3,137.99	3/4	2,778.93	3/4	2,419.80
11		11		11		11	4,500.03	11	4,177.79	11	3,840.41	11	3,488.13	11	3,130.53	11	2,771.44	11	2,412.31
1/4		1/4		1/4		1/4	4,493.47	1/4	4,170.91	1/4	3,833.22	1/4	3,480.68	1/4	3,123.07	1/4	2,763.96	1/4	2,404.83
1/2		1/2		1/2		1/2	4,486.91	1/2	4,164.04	1/2	3,826.03	1/2	3,473.23	1/2	3,115.61	1/2	2,756.48	1/2	2,397.35
3/4		3/4		3/4		3/4	4,480.33	3/4	4,157.14	3/4	3,818.82	3/4	3,465.78	3/4	3,108.13	3/4	2,749.00	3/4	2,389.87

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'-03" 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 29136"

## 2 STBD 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	2,382.39	0	2,023.25	0	1,664.12	0	1,304.99	0	946.15	0	587.13	0	228.01	0		0		0	
1/4	2,374.90	1/4	2,015.77	1/4	1,656.64	1/4	1,297.51	1/4	938.68	1/4	579.65	1/4	220.53	1/4	1/4		1/4		1/4
1/2	2,367.42	1/2	2,008.29	1/2	1,649.16	1/2	1,290.03	1/2	931.21	1/2	572.17	1/2	213.05	1/2	1/2		1/2		1/2
3/4	2,359.94	3/4	2,000.81	3/4	1,641.68	3/4	1,282.55	3/4	923.74	3/4	564.69	3/4	205.57	3/4	3/4		3/4		3/4
1	2,352.46	1	1,993.33	1	1,634.20	1	1,275.06	1	916.27	1	557.20	1	198.09	1	1		1		1
1/4	2,344.98	1/4	1,985.85	1/4	1,626.71	1/4	1,267.58	1/4	908.80	1/4	549.72	1/4	190.61	1/4	1/4		1/4		1/4
1/2	2,337.49	1/2	1,978.36	1/2	1,619.23	1/2	1,260.10	1/2	901.33	1/2	542.24	1/2	183.13	1/2	1/2		1/2		1/2
3/4	2,330.01	3/4	1,970.88	3/4	1,611.75	3/4	1,252.62	3/4	893.85	3/4	534.76	3/4	175.66	3/4	3/4		3/4		3/4
2	2,322.53	2	1,963.40	2	1,604.27	2	1,245.14	2	886.38	2	527.28	2	168.19	2	2		2		2
1/4	2,315.05	1/4	1,955.92	1/4	1,596.79	1/4	1,237.66	1/4	878.91	1/4	519.80	1/4	160.71	1/4	1/4		1/4		1/4
1/2	2,307.57	1/2	1,948.44	1/2	1,589.30	1/2	1,230.17	1/2	871.43	1/2	512.31	1/2	153.24	1/2	1/2		1/2		1/2
3/4	2,300.08	3/4	1,940.95	3/4	1,581.82	3/4	1,222.69	3/4	863.95	3/4	504.83	3/4	145.78	3/4	3/4		3/4		3/4
3	2,292.60	3	1,933.47	3	1,574.34	3	1,215.21	3	856.47	3	497.35	3	138.32	3	3		3		3
1/4	2,285.12	1/4	1,925.99	1/4	1,566.86	1/4	1,207.73	1/4	848.99	1/4	489.87	1/4	130.85	1/4	1/4		1/4		1/4
1/2	2,277.64	1/2	1,918.51	1/2	1,559.38	1/2	1,200.25	1/2	841.50	1/2	482.39	1/2	123.39	1/2	1/2		1/2		1/2
3/4	2,270.16	3/4	1,911.03	3/4	1,551.89	3/4	1,192.76	3/4	834.02	3/4	474.91	3/4	115.95	3/4	3/4		3/4		3/4
4	2,262.68	4	1,903.54	4	1,544.41	4	1,185.28	4	826.54	4	467.42	4	108.50	4	4		4		4
1/4	2,255.19	1/4	1,896.06	1/4	1,536.93	1/4	1,177.80	1/4	819.06	1/4	459.94	1/4	101.06	1/4	1/4		1/4		1/4
1/2	2,247.71	1/2	1,888.58	1/2	1,529.45	1/2	1,170.32	1/2	811.58	1/2	452.46	1/2	93.62	1/2	1/2		1/2		1/2
3/4	2,240.23	3/4	1,881.10	3/4	1,521.97	3/4	1,162.84	3/4	804.10	3/4	444.98	3/4	86.20	3/4	3/4		3/4		3/4
5	2,232.75	5	1,873.62	5	1,514.49	5	1,155.35	5	796.61	5	437.50	5	78.79	5	5		5		5
1/4	2,225.27	1/4	1,866.13	1/4	1,507.00	1/4	1,147.87	1/4	789.13	1/4	430.02	1/4	71.38	1/4	1/4		1/4		1/4
1/2	2,217.78	1/2	1,858.65	1/2	1,499.52	1/2	1,140.39	1/2	781.65	1/2	422.53	1/2	63.97	1/2	1/2		1/2		1/2
3/4	2,210.30	3/4	1,851.17	3/4	1,492.04	3/4	1,132.91	3/4	774.17	3/4	415.05	3/4	57.01	3/4	3/4		3/4		3/4
6	2,202.82	6	1,843.69	6	1,484.56	6	1,125.44	6	766.69	6	407.57	6	50.06	6	6		6		6
1/4	2,195.34	1/4	1,836.21	1/4	1,477.08	1/4	1,117.96	1/4	759.21	1/4	400.09	1/4	43.11	1/4	1/4		1/4		1/4
1/2	2,187.86	1/2	1,828.73	1/2	1,469.59	1/2	1,110.48	1/2	751.73	1/2	392.61	1/2	36.15	1/2	1/2		1/2		1/2
3/4	2,180.37	3/4	1,821.24	3/4	1,462.11	3/4	1,103.01	3/4	744.24	3/4	385.13	3/4	30.86	3/4	3/4		3/4		3/4
7	2,172.89	7	1,813.76	7	1,454.63	7	1,095.54	7	736.76	7	377.65	7	25.56	7	7		7		7
1/4	2,165.41	1/4	1,806.28	1/4	1,447.15	1/4	1,088.07	1/4	729.28	1/4	370.16	1/4	20.26	1/4	1/4		1/4		1/4
1/2	2,157.93	1/2	1,798.80	1/2	1,439.67	1/2	1,080.60	1/2	721.80	1/2	362.68	1/2	14.97	1/2	1/2		1/2		1/2
3/4	2,150.45	3/4	1,791.32	3/4	1,432.18	3/4	1,073.13	3/4	714.32	3/4	355.20	3/4		3/4	3/4		3/4		3/4
8	2,142.96	8	1,783.83	8	1,424.70	8	1,065.66	8	706.84	8	347.72	8		8	8		8		8
1/4	2,135.48	1/4	1,776.35	1/4	1,417.22	1/4	1,058.19	1/4	699.35	1/4	340.24	1/4		1/4	1/4		1/4		1/4
1/2	2,128.00	1/2	1,768.87	1/2	1,409.74	1/2	1,050.72	1/2	691.87	1/2	332.76	1/2		1/2	1/2		1/2		1/2
3/4	2,120.52	3/4	1,761.39	3/4	1,402.26	3/4	1,043.25	3/4	684.39	3/4	325.27	3/4		3/4	3/4		3/4		3/4
9	2,113.04	9	1,753.91	9	1,394.77	9	1,035.78	9	676.91	9	317.79	9		9	9		9		9
1/4	2,105.56	1/4	1,746.42	1/4	1,387.29	1/4	1,028.31	1/4	669.43	1/4	310.31	1/4		1/4	1/4		1/4		1/4
1/2	2,098.07	1/2	1,738.94	1/2	1,379.81	1/2	1,020.84	1/2	661.95	1/2	302.83	1/2		1/2	1/2		1/2		1/2
3/4	2,090.59	3/4	1,731.46	3/4	1,372.33	3/4	1,013.38	3/4	654.46	3/4	295.35	3/4		3/4	3/4		3/4		3/4
10	2,083.11	10	1,723.98	10	1,364.85	10	1,005.91	10	646.98	10	287.87	10		10	10		10		10
1/4	2,075.63	1/4	1,716.50	1/4	1,357.37	1/4	998.44	1/4	639.50	1/4	280.38	1/4		1/4	1/4		1/4		1/4
1/2	2,068.15	1/2	1,709.01	1/2	1,349.88	1/2	990.97	1/2	632.02	1/2	272.90	1/2		1/2	1/2		1/2		1/2
3/4	2,060.66	3/4	1,701.53	3/4	1,342.40	3/4	983.50	3/4	624.54	3/4	265.42	3/4		3/4	3/4		3/4		3/4
11	2,053.18	11	1,694.05	11	1,334.92	11	976.03	11	617.06	11	257.94	11		11	11		11		11
1/4	2,045.70	1/4	1,686.57	1/4	1,327.44	1/4	968.56	1/4	609.57	1/4	250.46	1/4		1/4	1/4		1/4		1/4
1/2	2,038.22	1/2	1,679.09	1/2	1,319.96	1/2	961.09	1/2	602.09	1/2	242.98	1/2		1/2	1/2		1/2		1/2
3/4	2,030.74	3/4	1,671.61	3/4	1,312.47	3/4	953.62	3/4	594.61	3/4	235.49	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/08/2014 CL  
CALCULATED: 12/08/2014 CL  
PRINTED: 12/08/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2014

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





# BARGE "KIRBY 29136"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,274.33	0	1,917.79	0	1,562.19	0	1,205.98	0	862.06	0	505.40	0	148.54	0		0		0	
1/4	2,266.92	1/4	1,910.35	1/4	1,554.79	1/4	1,198.81	1/4	854.64	1/4	497.97	1/4	141.10	1/4	1/4		1/4	1/4	
1/2	2,259.50	1/2	1,902.92	1/2	1,547.38	1/2	1,191.65	1/2	847.23	1/2	490.54	1/2	133.67	1/2	1/2		1/2	1/2	
3/4	2,252.08	3/4	1,895.51	3/4	1,539.94	3/4	1,184.48	3/4	839.82	3/4	483.10	3/4	126.24	3/4	3/4		3/4	3/4	
1	2,244.66	1	1,888.10	1	1,532.51	1	1,177.31	1	832.40	1	475.67	1	118.80	1	1		1	1	
1/4	2,237.24	1/4	1,880.70	1/4	1,525.08	1/4	1,170.15	1/4	824.99	1/4	468.23	1/4	111.37	1/4	1/4		1/4	1/4	
1/2	2,229.82	1/2	1,873.29	1/2	1,517.64	1/2	1,162.98	1/2	817.58	1/2	460.80	1/2	103.93	1/2	1/2		1/2	1/2	
3/4	2,222.40	3/4	1,865.88	3/4	1,510.21	3/4	1,155.82	3/4	810.16	3/4	453.36	3/4	96.81	3/4	3/4		3/4	3/4	
2	2,214.98	2	1,858.48	2	1,502.78	2	1,148.65	2	802.75	2	445.93	2	89.69	2	2		2	2	
1/4	2,207.56	1/4	1,851.07	1/4	1,495.34	1/4	1,141.49	1/4	795.34	1/4	438.49	1/4	82.57	1/4	1/4		1/4	1/4	
1/2	2,200.14	1/2	1,843.66	1/2	1,487.91	1/2	1,134.32	1/2	787.92	1/2	431.06	1/2	75.45	1/2	1/2		1/2	1/2	
3/4	2,192.72	3/4	1,836.25	3/4	1,480.48	3/4	1,127.16	3/4	780.49	3/4	423.62	3/4	69.27	3/4	3/4		3/4	3/4	
3	2,185.30	3	1,828.85	3	1,473.04	3	1,119.99	3	773.05	3	416.19	3	63.09	3	3		3	3	
1/4	2,177.88	1/4	1,821.44	1/4	1,465.61	1/4	1,112.82	1/4	765.62	1/4	408.75	1/4	56.91	1/4	1/4		1/4	1/4	
1/2	2,170.46	1/2	1,814.03	1/2	1,458.18	1/2	1,105.66	1/2	758.18	1/2	401.32	1/2	50.73	1/2	1/2		1/2	1/2	
3/4	2,163.05	3/4	1,806.63	3/4	1,450.74	3/4	1,098.49	3/4	750.75	3/4	393.88	3/4	45.81	3/4	3/4		3/4	3/4	
4	2,155.63	4	1,799.22	4	1,443.31	4	1,091.33	4	743.31	4	386.45	4	40.89	4	4		4	4	
1/4	2,148.21	1/4	1,791.81	1/4	1,435.88	1/4	1,084.16	1/4	735.88	1/4	379.01	1/4	35.96	1/4	1/4		1/4	1/4	
1/2	2,140.79	1/2	1,784.41	1/2	1,428.44	1/2	1,077.00	1/2	728.45	1/2	371.58	1/2	31.04	1/2	1/2		1/2	1/2	
3/4	2,133.35	3/4	1,777.00	3/4	1,421.01	3/4	1,069.84	3/4	721.01	3/4	364.15	3/4	27.37	3/4	3/4		3/4	3/4	
5	2,125.92	5	1,769.59	5	1,413.58	5	1,062.69	5	713.58	5	356.71	5	23.71	5	5		5	5	
1/4	2,118.49	1/4	1,762.18	1/4	1,406.14	1/4	1,055.54	1/4	706.14	1/4	349.28	1/4	20.05	1/4	1/4		1/4	1/4	
1/2	2,111.05	1/2	1,754.78	1/2	1,398.71	1/2	1,048.39	1/2	698.71	1/2	341.84	1/2	16.38	1/2	1/2		1/2	1/2	
3/4	2,103.62	3/4	1,747.37	3/4	1,391.28	3/4	1,041.24	3/4	691.27	3/4	334.41	3/4		3/4	3/4		3/4	3/4	
6	2,096.19	6	1,739.96	6	1,383.84	6	1,034.09	6	683.84	6	326.97	6		6	6		6	6	
1/4	2,088.75	1/4	1,732.56	1/4	1,376.41	1/4	1,026.94	1/4	676.40	1/4	319.54	1/4		1/4	1/4		1/4	1/4	
1/2	2,081.32	1/2	1,725.15	1/2	1,368.98	1/2	1,019.78	1/2	668.97	1/2	312.10	1/2		1/2	1/2		1/2	1/2	
3/4	2,073.89	3/4	1,717.74	3/4	1,361.54	3/4	1,012.64	3/4	661.53	3/4	304.67	3/4		3/4	3/4		3/4	3/4	
7	2,066.45	7	1,710.33	7	1,354.11	7	1,005.49	7	654.10	7	297.23	7		7	7		7	7	
1/4	2,059.02	1/4	1,702.93	1/4	1,346.68	1/4	998.34	1/4	646.66	1/4	289.80	1/4		1/4	1/4		1/4	1/4	
1/2	2,051.59	1/2	1,695.52	1/2	1,339.24	1/2	991.19	1/2	639.23	1/2	282.36	1/2		1/2	1/2		1/2	1/2	
3/4	2,044.15	3/4	1,688.11	3/4	1,331.81	3/4	984.05	3/4	631.79	3/4	274.93	3/4		3/4	3/4		3/4	3/4	
8	2,036.72	8	1,680.71	8	1,324.38	8	976.90	8	624.36	8	267.49	8		8	8		8	8	
1/4	2,029.29	1/4	1,673.30	1/4	1,316.94	1/4	969.76	1/4	616.93	1/4	260.06	1/4		1/4	1/4		1/4	1/4	
1/2	2,021.85	1/2	1,665.89	1/2	1,309.51	1/2	962.61	1/2	609.49	1/2	252.62	1/2		1/2	1/2		1/2	1/2	
3/4	2,014.42	3/4	1,658.48	3/4	1,302.08	3/4	955.47	3/4	602.06	3/4	245.19	3/4		3/4	3/4		3/4	3/4	
9	2,006.99	9	1,651.08	9	1,294.64	9	948.33	9	594.62	9	237.76	9		9	9		9	9	
1/4	1,999.55	1/4	1,643.67	1/4	1,287.21	1/4	941.18	1/4	587.19	1/4	230.32	1/4		1/4	1/4		1/4	1/4	
1/2	1,992.12	1/2	1,636.26	1/2	1,279.78	1/2	934.04	1/2	579.75	1/2	222.89	1/2		1/2	1/2		1/2	1/2	
3/4	1,984.69	3/4	1,628.86	3/4	1,272.34	3/4	926.89	3/4	572.32	3/4	215.45	3/4		3/4	3/4		3/4	3/4	
10	1,977.25	10	1,621.45	10	1,264.91	10	919.75	10	564.88	10	208.02	10		10	10		10	10	
1/4	1,969.82	1/4	1,614.04	1/4	1,257.48	1/4	912.60	1/4	557.45	1/4	200.58	1/4		1/4	1/4		1/4	1/4	
1/2	1,962.39	1/2	1,606.63	1/2	1,250.04	1/2	905.46	1/2	550.01	1/2	193.15	1/2		1/2	1/2		1/2	1/2	
3/4	1,954.95	3/4	1,599.23	3/4	1,242.61	3/4	898.32	3/4	542.58	3/4	185.71	3/4		3/4	3/4		3/4	3/4	
11	1,947.52	11	1,591.82	11	1,235.18	11	891.17	11	535.14	11	178.28	11		11	11		11	11	
1/4	1,940.09	1/4	1,584.41	1/4	1,227.74	1/4	884.03	1/4	527.71	1/4	170.84	1/4		1/4	1/4		1/4	1/4	
1/2	1,932.65	1/2	1,577.01	1/2	1,220.31	1/2	876.88	1/2	520.27	1/2	163.41	1/2		1/2	1/2		1/2	1/2	
3/4	1,925.22	3/4	1,569.60	3/4	1,213.14	3/4	869.47	3/4	512.84	3/4	155.97	3/4		3/4	3/4		3/4	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/08/2014 CL  
CALCULATED: 12/08/2014 CL  
PRINTED: 12/08/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2014

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



# BARGE "KIRBY 29136"

## 3 STBD 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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							4,385.97		4,144.53		3,897.45		3,638.37		3,367.54		3,015.28		2,657.85		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,381.31	1/4	4,139.50	1/4	3,892.17	1/4	3,632.85	1/4	3,361.82	1/4	3,007.83	1/4	2,650.40		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,376.66	1/2	4,134.47	1/2	3,886.89	1/2	3,627.32	1/2	3,356.10	1/2	3,000.39	1/2	2,642.96		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,372.00	3/4	4,129.44	3/4	3,881.61	3/4	3,621.79	3/4	3,350.37	3/4	2,992.94	3/4	2,635.51		
<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>4,367.83</b>	<b>1</b>	<b>4,124.40</b>	<b>1</b>	<b>3,876.31</b>	<b>1</b>	<b>3,616.24</b>	<b>1</b>	<b>3,342.93</b>	<b>1</b>	<b>2,985.50</b>	<b>1</b>	<b>2,628.06</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,363.66	1/4	4,119.35	1/4	3,871.01	1/4	3,610.69	1/4	3,335.48	1/4	2,978.05	1/4	2,620.62		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,359.49	1/2	4,114.31	1/2	3,865.71	1/2	3,605.14	1/2	3,328.03	1/2	2,970.60	1/2	2,613.17		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,355.32	3/4	4,109.26	3/4	3,860.41	3/4	3,599.58	3/4	3,320.59	3/4	2,963.16	3/4	2,605.72		
<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>4,349.94</b>	<b>2</b>	<b>4,104.19</b>	<b>2</b>	<b>3,855.10</b>	<b>2</b>	<b>3,594.01</b>	<b>2</b>	<b>3,313.14</b>	<b>2</b>	<b>2,955.71</b>	<b>2</b>	<b>2,598.28</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,344.57	1/4	4,099.12	1/4	3,849.78	1/4	3,588.44	1/4	3,305.69	1/4	2,948.26	1/4	2,590.83		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,339.19	1/2	4,094.05	1/2	3,844.46	1/2	3,582.88	1/2	3,298.25	1/2	2,940.82	1/2	2,583.38		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,333.82	3/4	4,088.98	3/4	3,839.15	3/4	3,577.31	3/4	3,290.80	3/4	2,933.37	3/4	2,575.94		
<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>4,328.09</b>	<b>3</b>	<b>4,083.89</b>	<b>3</b>	<b>3,833.80</b>	<b>3</b>	<b>3,571.72</b>	<b>3</b>	<b>3,283.36</b>	<b>3</b>	<b>2,925.92</b>	<b>3</b>	<b>2,568.49</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,322.37	1/4	4,078.80	1/4	3,828.46	1/4	3,566.13	1/4	3,275.91	1/4	2,918.48	1/4	2,561.04		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,316.65	1/2	4,073.72	1/2	3,823.12	1/2	3,560.54	1/2	3,268.46	1/2	2,911.03	1/2	2,553.60		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,310.92	3/4	4,068.63	3/4	3,817.78	3/4	3,554.96	3/4	3,261.02	3/4	2,903.58	3/4	2,546.15		
<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4,305.20</b>	<b>4</b>	<b>4,063.52</b>	<b>4</b>	<b>3,812.43</b>	<b>4</b>	<b>3,549.34</b>	<b>4</b>	<b>3,253.57</b>	<b>4</b>	<b>2,896.14</b>	<b>4</b>	<b>2,538.71</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,299.48	1/4	4,058.40	1/4	3,807.07	1/4	3,543.73	1/4	3,246.12	1/4	2,888.69	1/4	2,531.26		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,293.75	1/2	4,053.29	1/2	3,801.71	1/2	3,538.12	1/2	3,238.68	1/2	2,881.24	1/2	2,523.81		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,288.03	3/4	4,048.18	3/4	3,796.35	3/4	3,532.51	3/4	3,231.23	3/4	2,873.80	3/4	2,516.37		
<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>4,283.15</b>	<b>5</b>	<b>4,043.05</b>	<b>5</b>	<b>3,790.97</b>	<b>5</b>	<b>3,526.88</b>	<b>5</b>	<b>3,223.78</b>	<b>5</b>	<b>2,866.35</b>	<b>5</b>	<b>2,508.92</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,278.27	1/4	4,037.92	1/4	3,785.58	1/4	3,521.25	1/4	3,216.34	1/4	2,858.90	1/4	2,501.47		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,273.38	1/2	4,032.79	1/2	3,780.20	1/2	3,515.62	1/2	3,208.89	1/2	2,851.46	1/2	2,494.03		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,268.50	3/4	4,027.66	3/4	3,774.82	3/4	3,509.99	3/4	3,201.44	3/4	2,844.01	3/4	2,486.58		
<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>4,263.60</b>	<b>6</b>	<b>4,022.51</b>	<b>6</b>	<b>3,769.42</b>	<b>6</b>	<b>3,504.34</b>	<b>6</b>	<b>3,194.00</b>	<b>6</b>	<b>2,836.57</b>	<b>6</b>	<b>2,479.13</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,258.70	1/4	4,017.35	1/4	3,764.02	1/4	3,498.69	1/4	3,186.55	1/4	2,829.12	1/4	2,471.69		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,253.79	1/2	4,012.20	1/2	3,758.62	1/2	3,493.03	1/2	3,179.10	1/2	2,821.67	1/2	2,464.24		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,248.89	3/4	4,007.05	3/4	3,753.22	3/4	3,487.38	3/4	3,171.66	3/4	2,814.23	3/4	2,456.79		
<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>4,243.97</b>	<b>7</b>	<b>4,001.87</b>	<b>7</b>	<b>3,747.79</b>	<b>7</b>	<b>3,481.71</b>	<b>7</b>	<b>3,164.21</b>	<b>7</b>	<b>2,806.78</b>	<b>7</b>	<b>2,449.35</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,239.04	1/4	3,996.70	1/4	3,742.37	1/4	3,476.04	1/4	3,156.76	1/4	2,799.33	1/4	2,441.90		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,234.12	1/2	3,991.53	1/2	3,736.94	1/2	3,470.37	1/2	3,149.32	1/2	2,791.89	1/2	2,434.45		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,229.19	3/4	3,986.36	3/4	3,731.52	3/4	3,464.69	3/4	3,141.87	3/4	2,784.44	3/4	2,427.01		
<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>4,224.25</b>	<b>8</b>	<b>3,981.16</b>	<b>8</b>	<b>3,726.07</b>	<b>8</b>	<b>3,459.00</b>	<b>8</b>	<b>3,134.43</b>	<b>8</b>	<b>2,776.99</b>	<b>8</b>	<b>2,419.56</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,219.30	1/4	3,975.96	1/4	3,720.63	1/4	3,453.30	1/4	3,126.98	1/4	2,769.55	1/4	2,412.11		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,214.36	1/2	3,970.77	1/2	3,715.19	1/2	3,447.61	1/2	3,119.53	1/2	2,762.10	1/2	2,404.67		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,209.42	3/4	3,965.57	3/4	3,709.75	3/4	3,441.91	3/4	3,112.09	3/4	2,754.65	3/4	2,397.22		
<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>4,204.45</b>	<b>9</b>	<b>3,960.36</b>	<b>9</b>	<b>3,704.28</b>	<b>9</b>	<b>3,436.20</b>	<b>9</b>	<b>3,104.64</b>	<b>9</b>	<b>2,747.21</b>	<b>9</b>	<b>2,389.78</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,199.48	1/4	3,955.14	1/4	3,698.81	1/4	3,430.49	1/4	3,097.19	1/4	2,739.76	1/4	2,382.33		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,194.51	1/2	3,949.93	1/2	3,693.35	1/2	3,424.77	1/2	3,089.75	1/2	2,732.31	1/2	2,374.88		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,189.54	3/4	3,944.71	3/4	3,687.88	3/4	3,419.06	3/4	3,082.30	3/4	2,724.87	3/4	2,367.44		
<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>4,184.56</b>	<b>10</b>	<b>3,939.48</b>	<b>10</b>	<b>3,682.39</b>	<b>10</b>	<b>3,413.33</b>	<b>10</b>	<b>3,074.85</b>	<b>10</b>	<b>2,717.42</b>	<b>10</b>	<b>2,359.99</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,179.57	1/4	3,934.24	1/4	3,676.91	1/4	3,407.61	1/4	3,067.41	1/4	2,709.97	1/4	2,352.54		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,174.58	1/2	3,929.00	1/2	3,671.42	1/2	3,401.89	1/2	3,059.96	1/2	2,702.53	1/2	2,345.10		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,169.60	3/4	3,923.76	3/4	3,665.94	3/4	3,396.16	3/4	3,052.51	3/4	2,695.08	3/4	2,337.65		
<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>4,164.59</b>	<b>11</b>	<b>3,918.50</b>	<b>11</b>	<b>3,660.43</b>	<b>11</b>	<b>3,390.44</b>	<b>11</b>	<b>3,045.07</b>	<b>11</b>	<b>2,687.64</b>	<b>11</b>	<b>2,330.20</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,159.58	1/4	3,913.25	1/4	3,654.92	1/4	3,384.72	1/4	3,037.62	1/4	2,680.19	1/4	2,322.76		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,154.57	1/2	3,907.99	1/2	3,649.41	1/2	3,378.99	1/2	3,030.17	1/2	2,672.74	1/2	2,315.31		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,390.62	3/4	4,149.55	3/4	3,902.73	3/4	3,643.90	3/4	3,373.27	3/4	3,022.73	3/4	2,665.30	3/4	2,307.86

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'-06" 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 29136"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	2,300.42	0	1,942.99	0	1,585.55	0	1,228.12	0	870.94	0	513.65	0	156.23	0		0		0	
1/4	2,292.97	1/4	1,935.54	1/4	1,578.11	1/4	1,220.67	1/4	863.51	1/4	506.21	1/4	148.78	1/4		1/4		1/4	
1/2	2,285.52	1/2	1,928.09	1/2	1,570.66	1/2	1,213.23	1/2	856.07	1/2	498.76	1/2	141.34	1/2		1/2		1/2	
3/4	2,278.08	3/4	1,920.65	3/4	1,563.21	3/4	1,205.78	3/4	848.64	3/4	491.31	3/4	133.89	3/4		3/4		3/4	
1	2,270.63	1	1,913.20	1	1,555.77	1	1,198.34	1	841.21	1	483.87	1	126.44	1		1		1	
1/4	2,263.18	1/4	1,905.75	1/4	1,548.32	1/4	1,190.89	1/4	833.77	1/4	476.42	1/4	119.00	1/4		1/4		1/4	
1/2	2,255.74	1/2	1,898.31	1/2	1,540.87	1/2	1,183.44	1/2	826.34	1/2	468.97	1/2	111.55	1/2		1/2		1/2	
3/4	2,248.29	3/4	1,890.86	3/4	1,533.43	3/4	1,176.00	3/4	818.90	3/4	461.53	3/4	104.11	3/4		3/4		3/4	
2	2,240.85	2	1,883.41	2	1,525.98	2	1,168.55	2	811.47	2	454.08	2	96.98	2		2		2	
1/4	2,233.40	1/4	1,875.97	1/4	1,518.53	1/4	1,161.10	1/4	804.03	1/4	446.63	1/4	89.85	1/4		1/4		1/4	
1/2	2,225.95	1/2	1,868.52	1/2	1,511.09	1/2	1,153.66	1/2	796.60	1/2	439.19	1/2	82.71	1/2		1/2		1/2	
3/4	2,218.51	3/4	1,861.07	3/4	1,503.64	3/4	1,146.21	3/4	789.16	3/4	431.74	3/4	75.58	3/4		3/4		3/4	
3	2,211.06	3	1,853.63	3	1,496.20	3	1,138.76	3	781.72	3	424.30	3	69.39	3		3		3	
1/4	2,203.61	1/4	1,846.18	1/4	1,488.75	1/4	1,131.32	1/4	774.27	1/4	416.85	1/4	63.20	1/4		1/4		1/4	
1/2	2,196.17	1/2	1,838.73	1/2	1,481.30	1/2	1,123.87	1/2	766.83	1/2	409.40	1/2	57.01	1/2		1/2		1/2	
3/4	2,188.72	3/4	1,831.29	3/4	1,473.86	3/4	1,116.42	3/4	759.38	3/4	401.96	3/4	50.82	3/4		3/4		3/4	
4	2,181.27	4	1,823.84	4	1,466.41	4	1,108.98	4	751.93	4	394.51	4	45.88	4		4		4	
1/4	2,173.83	1/4	1,816.39	1/4	1,458.96	1/4	1,101.53	1/4	744.49	1/4	387.06	1/4	40.94	1/4		1/4		1/4	
1/2	2,166.38	1/2	1,808.95	1/2	1,451.52	1/2	1,094.08	1/2	737.04	1/2	379.62	1/2	36.01	1/2		1/2		1/2	
3/4	2,158.93	3/4	1,801.50	3/4	1,444.07	3/4	1,086.64	3/4	729.59	3/4	372.17	3/4	31.07	3/4		3/4		3/4	
5	2,151.49	5	1,794.06	5	1,436.62	5	1,079.19	5	722.15	5	364.73	5	27.40	5		5		5	
1/4	2,144.04	1/4	1,786.61	1/4	1,429.18	1/4	1,071.74	1/4	714.70	1/4	357.28	1/4	23.73	1/4		1/4		1/4	
1/2	2,136.59	1/2	1,779.16	1/2	1,421.73	1/2	1,064.30	1/2	707.26	1/2	349.83	1/2	20.06	1/2		1/2		1/2	
3/4	2,129.15	3/4	1,771.72	3/4	1,414.28	3/4	1,056.85	3/4	699.81	3/4	342.39	3/4	16.38	3/4		3/4		3/4	
6	2,121.70	6	1,764.27	6	1,406.84	6	1,049.41	6	692.36	6	334.94	6		6		6		6	
1/4	2,114.25	1/4	1,756.82	1/4	1,399.39	1/4	1,041.96	1/4	684.92	1/4	327.49	1/4		1/4		1/4		1/4	
1/2	2,106.81	1/2	1,749.38	1/2	1,391.94	1/2	1,034.51	1/2	677.47	1/2	320.05	1/2		1/2		1/2		1/2	
3/4	2,099.36	3/4	1,741.93	3/4	1,384.50	3/4	1,027.07	3/4	670.02	3/4	312.60	3/4		3/4		3/4		3/4	
7	2,091.92	7	1,734.48	7	1,377.05	7	1,019.63	7	662.58	7	305.16	7		7		7		7	
1/4	2,084.47	1/4	1,727.04	1/4	1,369.60	1/4	1,012.20	1/4	655.13	1/4	297.71	1/4		1/4		1/4		1/4	
1/2	2,077.02	1/2	1,719.59	1/2	1,362.16	1/2	1,004.76	1/2	647.69	1/2	290.26	1/2		1/2		1/2		1/2	
3/4	2,069.58	3/4	1,712.14	3/4	1,354.71	3/4	997.33	3/4	640.24	3/4	282.82	3/4		3/4		3/4		3/4	
8	2,062.13	8	1,704.70	8	1,347.27	8	989.89	8	632.79	8	275.37	8		8		8		8	
1/4	2,054.68	1/4	1,697.25	1/4	1,339.82	1/4	982.46	1/4	625.35	1/4	267.92	1/4		1/4		1/4		1/4	
1/2	2,047.24	1/2	1,689.80	1/2	1,332.37	1/2	975.02	1/2	617.90	1/2	260.48	1/2		1/2		1/2		1/2	
3/4	2,039.79	3/4	1,682.36	3/4	1,324.93	3/4	967.59	3/4	610.45	3/4	253.03	3/4		3/4		3/4		3/4	
9	2,032.34	9	1,674.91	9	1,317.48	9	960.16	9	603.01	9	245.58	9		9		9		9	
1/4	2,024.90	1/4	1,667.46	1/4	1,310.03	1/4	952.72	1/4	595.56	1/4	238.14	1/4		1/4		1/4		1/4	
1/2	2,017.45	1/2	1,660.02	1/2	1,302.59	1/2	945.29	1/2	588.11	1/2	230.69	1/2		1/2		1/2		1/2	
3/4	2,010.00	3/4	1,652.57	3/4	1,295.14	3/4	937.85	3/4	580.67	3/4	223.25	3/4		3/4		3/4		3/4	
10	2,002.56	10	1,645.13	10	1,287.69	10	930.42	10	573.22	10	215.80	10		10		10		10	
1/4	1,995.11	1/4	1,637.68	1/4	1,280.25	1/4	922.98	1/4	565.78	1/4	208.35	1/4		1/4		1/4		1/4	
1/2	1,987.66	1/2	1,630.23	1/2	1,272.80	1/2	915.55	1/2	558.33	1/2	200.91	1/2		1/2		1/2		1/2	
3/4	1,980.22	3/4	1,622.79	3/4	1,265.35	3/4	908.12	3/4	550.88	3/4	193.46	3/4		3/4		3/4		3/4	
11	1,972.77	11	1,615.34	11	1,257.91	11	900.68	11	543.44	11	186.01	11		11		11		11	
1/4	1,965.32	1/4	1,607.89	1/4	1,250.46	1/4	893.25	1/4	535.99	1/4	178.57	1/4		1/4		1/4		1/4	
1/2	1,957.88	1/2	1,600.45	1/2	1,243.01	1/2	885.81	1/2	528.54	1/2	171.12	1/2		1/2		1/2		1/2	
3/4	1,950.43	3/4	1,593.00	3/4	1,235.57	3/4	878.38	3/4	521.10	3/4	163.68	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/08/2014 CL  
CALCULATED: 12/08/2014 CL  
PRINTED: 12/08/2014 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2014

PRECISION MEASUREMENT  
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