



# BARGE "KIRBY 27732"

## ULLAGE TRIM TABLE

FORMERLY "CTCO 329"

	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	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
2 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
2 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
3 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
3 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8

(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 2 PORT IS 00-1/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 236'-09"

August 1, 2019

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 27732"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 329"

GAUGE HEIGHT 16'-09"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4		1/4		1/4	4,907.45	1/4	4,578.64	1/4	4,228.17	1/4	3,862.86	1/4	3,496.92	1/4	3,130.48	1/4	2,763.92		
1/2		1/2		1/2		1/2	4,900.82	1/2	4,571.55	1/2	4,220.63	1/2	3,855.24	1/2	3,489.29	1/2	3,122.85	1/2	2,756.28		
3/4		3/4		3/4		3/4	4,894.18	3/4	4,564.46	3/4	4,213.10	3/4	3,847.61	3/4	3,481.65	3/4	3,115.21	3/4	2,748.65		
<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>4,887.55</b>	<b>1</b>	<b>4,557.37</b>	<b>1</b>	<b>4,205.56</b>	<b>1</b>	<b>3,839.99</b>	<b>1</b>	<b>3,474.02</b>	<b>1</b>	<b>3,107.58</b>	<b>1</b>	<b>2,741.01</b>		
1/4		1/4		1/4		1/4	4,880.88	1/4	4,550.24	1/4	4,197.99	1/4	3,832.37	1/4	3,466.39	1/4	3,099.94	1/4	2,733.37		
1/2		1/2		1/2		1/2	4,874.22	1/2	4,543.12	1/2	4,190.43	1/2	3,824.75	1/2	3,458.75	1/2	3,092.31	1/2	2,725.73		
3/4		3/4		3/4		3/4	4,867.55	3/4	4,535.99	3/4	4,182.86	3/4	3,817.12	3/4	3,451.12	3/4	3,084.68	3/4	2,718.09		
<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>4,860.89</b>	<b>2</b>	<b>4,528.87</b>	<b>2</b>	<b>4,175.29</b>	<b>2</b>	<b>3,809.50</b>	<b>2</b>	<b>3,443.48</b>	<b>2</b>	<b>3,077.04</b>	<b>2</b>	<b>2,710.45</b>		
1/4		1/4		1/4		1/4	4,854.18	1/4	4,521.71	1/4	4,167.69	1/4	3,801.88	1/4	3,435.85	1/4	3,069.41	1/4	2,702.82		
1/2		1/2		1/2		1/2	4,847.48	1/2	4,514.55	1/2	4,160.09	1/2	3,794.25	1/2	3,428.21	1/2	3,061.77	1/2	2,695.18		
3/4		3/4		3/4		3/4	4,840.77	3/4	4,507.39	3/4	4,152.49	3/4	3,786.63	3/4	3,420.58	3/4	3,054.14	3/4	2,687.54		
<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>4,834.07</b>	<b>3</b>	<b>4,500.23</b>	<b>3</b>	<b>4,144.88</b>	<b>3</b>	<b>3,779.01</b>	<b>3</b>	<b>3,412.95</b>	<b>3</b>	<b>3,046.50</b>	<b>3</b>	<b>2,679.90</b>		
1/4		1/4		1/4		1/4	4,827.33	1/4	4,493.04	1/4	4,137.26	1/4	3,771.39	1/4	3,405.31	1/4	3,038.87	1/4	2,672.26		
1/2		1/2		1/2		1/2	4,820.59	1/2	4,485.85	1/2	4,129.64	1/2	3,763.76	1/2	3,397.68	1/2	3,031.24	1/2	2,664.63		
3/4		3/4		3/4		3/4	4,813.85	3/4	4,478.66	3/4	4,122.02	3/4	3,756.14	3/4	3,390.04	3/4	3,023.60	3/4	2,656.99		
<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4,807.11</b>	<b>4</b>	<b>4,471.47</b>	<b>4</b>	<b>4,114.40</b>	<b>4</b>	<b>3,748.52</b>	<b>4</b>	<b>3,382.41</b>	<b>4</b>	<b>3,015.97</b>	<b>4</b>	<b>2,649.35</b>		
1/4		1/4		1/4		1/4	4,800.34	1/4	4,464.24	1/4	4,106.78	1/4	3,740.90	1/4	3,374.77	1/4	3,008.33	1/4	2,641.71		
1/2		1/2		1/2		1/2	4,793.56	1/2	4,457.01	1/2	4,099.16	1/2	3,733.27	1/2	3,367.14	1/2	3,000.70	1/2	2,634.07		
3/4		3/4		3/4		3/4	4,786.79	3/4	4,449.79	3/4	4,091.54	3/4	3,725.65	3/4	3,359.51	3/4	2,993.06	3/4	2,626.43		
<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>4,780.02</b>	<b>5</b>	<b>4,442.56</b>	<b>5</b>	<b>4,083.91</b>	<b>5</b>	<b>3,718.03</b>	<b>5</b>	<b>3,351.87</b>	<b>5</b>	<b>2,985.43</b>	<b>5</b>	<b>2,618.80</b>		
1/4		1/4		1/4		1/4	4,773.21	1/4	4,435.29	1/4	4,076.29	1/4	3,710.41	1/4	3,344.24	1/4	2,977.79	1/4	2,611.16		
1/2		1/2		1/2		1/2	4,766.40	1/2	4,428.03	1/2	4,068.67	1/2	3,702.78	1/2	3,336.60	1/2	2,970.16	1/2	2,603.52		
3/4		3/4		3/4		3/4	4,759.59	3/4	4,420.76	3/4	4,061.05	3/4	3,695.16	3/4	3,328.97	3/4	2,962.52	3/4	2,595.88		
<b>6</b>	<b>6</b>	<b>6</b>	<b>5,087.46</b>	<b>6</b>	<b>4,752.79</b>	<b>6</b>	<b>4,413.49</b>	<b>6</b>	<b>4,053.42</b>	<b>6</b>	<b>3,687.54</b>	<b>6</b>	<b>3,321.34</b>	<b>6</b>	<b>2,954.88</b>	<b>6</b>	<b>2,588.24</b>				
1/4		1/4		1/4		1/4	5,081.04	1/4	4,745.95	1/4	4,406.18	1/4	4,045.80	1/4	3,679.92	1/4	3,313.70	1/4	2,947.24	1/4	2,580.60
1/2		1/2		1/2		1/2	5,074.61	1/2	4,739.11	1/2	4,398.86	1/2	4,038.18	1/2	3,672.29	1/2	3,306.07	1/2	2,939.60	1/2	2,572.97
3/4		3/4		3/4		3/4	5,068.19	3/4	4,732.26	3/4	4,391.54	3/4	4,030.56	3/4	3,664.67	3/4	3,298.43	3/4	2,931.97	3/4	2,565.33
<b>7</b>	<b>7</b>	<b>7</b>	<b>5,061.76</b>	<b>7</b>	<b>4,725.42</b>	<b>7</b>	<b>4,384.22</b>	<b>7</b>	<b>4,022.93</b>	<b>7</b>	<b>3,657.05</b>	<b>7</b>	<b>3,290.80</b>	<b>7</b>	<b>2,924.33</b>	<b>7</b>	<b>2,557.69</b>				
1/4		1/4		1/4		1/4	5,054.39	1/4	4,718.52	1/4	4,376.86	1/4	4,015.31	1/4	3,649.43	1/4	3,283.16	1/4	2,916.69	1/4	2,550.05
1/2		1/2		1/2		1/2	5,047.01	1/2	4,711.62	1/2	4,369.51	1/2	4,007.69	1/2	3,641.80	1/2	3,275.53	1/2	2,909.05	1/2	2,542.41
3/4		3/4		3/4		3/4	5,039.64	3/4	4,704.71	3/4	4,362.15	3/4	4,000.07	3/4	3,634.18	3/4	3,267.90	3/4	2,901.41	3/4	2,534.77
<b>8</b>	<b>8</b>	<b>8</b>	<b>5,032.26</b>	<b>8</b>	<b>4,697.81</b>	<b>8</b>	<b>4,354.79</b>	<b>8</b>	<b>3,992.44</b>	<b>8</b>	<b>3,626.56</b>	<b>8</b>	<b>3,260.26</b>	<b>8</b>	<b>2,893.77</b>	<b>8</b>	<b>2,527.14</b>				
1/4		1/4		1/4		1/4	5,024.69	1/4	4,690.86	1/4	4,347.40	1/4	3,984.82	1/4	3,618.94	1/4	3,252.63	1/4	2,886.14	1/4	2,519.50
1/2		1/2		1/2		1/2	5,017.13	1/2	4,683.91	1/2	4,340.01	1/2	3,977.20	1/2	3,611.31	1/2	3,244.99	1/2	2,878.50	1/2	2,511.86
3/4		3/4		3/4		3/4	5,009.56	3/4	4,676.96	3/4	4,332.62	3/4	3,969.57	3/4	3,603.69	3/4	3,237.36	3/4	2,870.86	3/4	2,504.22
<b>9</b>	<b>9</b>	<b>9</b>	<b>5,002.00</b>	<b>9</b>	<b>4,670.01</b>	<b>9</b>	<b>4,325.23</b>	<b>9</b>	<b>3,961.95</b>	<b>9</b>	<b>3,596.07</b>	<b>9</b>	<b>3,229.72</b>	<b>9</b>	<b>2,863.22</b>	<b>9</b>	<b>2,496.58</b>				
1/4		1/4		1/4		1/4	4,994.43	1/4	4,663.03	1/4	4,317.80	1/4	3,954.33	1/4	3,588.44	1/4	3,222.09	1/4	2,855.58	1/4	2,488.94
1/2		1/2		1/2		1/2	4,986.87	1/2	4,656.04	1/2	4,310.38	1/2	3,946.71	1/2	3,580.82	1/2	3,214.46	1/2	2,847.94	1/2	2,481.31
3/4		3/4		3/4		3/4	4,979.30	3/4	4,649.05	3/4	4,302.95	3/4	3,939.08	3/4	3,573.20	3/4	3,206.82	3/4	2,840.31	3/4	2,473.67
<b>10</b>	<b>10</b>	<b>10</b>	<b>4,971.74</b>	<b>10</b>	<b>4,642.06</b>	<b>10</b>	<b>4,295.53</b>	<b>10</b>	<b>3,931.46</b>	<b>10</b>	<b>3,565.58</b>	<b>10</b>	<b>3,199.19</b>	<b>10</b>	<b>2,832.67</b>	<b>10</b>	<b>2,466.03</b>				
1/4		1/4		1/4		1/4	4,964.17	1/4	4,635.04	1/4	4,288.07	1/4	3,923.84	1/4	3,557.95	1/4	3,191.55	1/4	2,825.03	1/4	2,458.39
1/2		1/2		1/2		1/2	4,956.61	1/2	4,628.01	1/2	4,280.61	1/2	3,916.22	1/2	3,550.33	1/2	3,183.92	1/2	2,817.39	1/2	2,450.75
3/4		3/4		3/4		3/4	4,949.04	3/4	4,620.99	3/4	4,273.15	3/4	3,908.59	3/4	3,542.71	3/4	3,176.29	3/4	2,809.75	3/4	2,443.11
<b>11</b>	<b>11</b>	<b>11</b>	<b>4,941.48</b>	<b>11</b>	<b>4,613.97</b>	<b>11</b>	<b>4,265.69</b>	<b>11</b>	<b>3,900.97</b>	<b>11</b>	<b>3,535.09</b>	<b>11</b>	<b>3,168.65</b>	<b>11</b>	<b>2,802.11</b>	<b>11</b>	<b>2,435.48</b>				
1/4		1/4		1/4		1/4	4,934.63	1/4	4,606.91	1/4	4,258.20	1/4	3,893.35	1/4	3,527.45	1/4	3,161.02	1/4	2,794.48	1/4	2,427.84
1/2		1/2		1/2		1/2	4,927.78	1/2	4,599.85	1/2	4,250.70	1/2	3,885.73	1/2	3,519.82	1/2	3,153.38	1/2	2,786.84	1/2	2,420.20
3/4		3/4		3/4		3/4	4,920.93	3/4	4,592.79	3/4	4,243.20	3/4	3,878.10	3/4	3,512.19	3/4	3,145.75	3/4	2,779.20	3/4	2,412.56

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 44'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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# BARGE "KIRBY 27732"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 329"

GAUGE HEIGHT 16'-09"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,404.92	0	2,038.28	0	1,677.78	0	1,311.08	0	945.52	0	579.89	0	234.24	0		0		0	
1/4	2,397.28	1/4	2,031.19	1/4	1,670.14	1/4	1,303.44	1/4	937.93	1/4	572.26	1/4	227.60	1/4	1/4	1/4		1/4	
1/2	2,389.65	1/2	2,024.09	1/2	1,662.51	1/2	1,295.80	1/2	930.34	1/2	564.62	1/2	220.96	1/2	1/2	1/2		1/2	
3/4	2,382.01	3/4	2,016.99	3/4	1,654.87	3/4	1,288.16	3/4	922.75	3/4	556.99	3/4	214.31	3/4	3/4	3/4		3/4	
1	2,374.37	1	2,009.90	1	1,647.23	1	1,280.52	1	915.16	1	549.36	1	207.67	1	1	1		1	
1/4	2,366.73	1/4	2,002.98	1/4	1,639.59	1/4	1,272.88	1/4	907.57	1/4	541.77	1/4	201.12	1/4	1/4	1/4		1/4	
1/2	2,359.09	1/2	1,996.06	1/2	1,631.95	1/2	1,265.24	1/2	899.99	1/2	534.19	1/2	194.56	1/2	1/2	1/2		1/2	
3/4	2,351.45	3/4	1,989.15	3/4	1,624.31	3/4	1,257.60	3/4	892.40	3/4	526.60	3/4	188.01	3/4	3/4	3/4		3/4	
2	2,343.82	2	1,982.23	2	1,616.67	2	1,249.96	2	884.81	2	519.01	2	181.45	2	2	2		2	
1/4	2,336.18	1/4	1,974.80	1/4	1,609.03	1/4	1,242.32	1/4	877.22	1/4	511.50	1/4	174.98	1/4	1/4	1/4		1/4	
1/2	2,328.54	1/2	1,967.36	1/2	1,601.39	1/2	1,234.68	1/2	869.63	1/2	503.99	1/2	168.51	1/2	1/2	1/2		1/2	
3/4	2,320.90	3/4	1,959.93	3/4	1,593.75	3/4	1,227.04	3/4	862.04	3/4	496.48	3/4	162.04	3/4	3/4	3/4		3/4	
3	2,313.26	3	1,952.50	3	1,586.11	3	1,219.40	3	854.45	3	488.97	3	155.58	3	3	3		3	
1/4	2,305.62	1/4	1,944.90	1/4	1,578.47	1/4	1,211.76	1/4	846.86	1/4	481.55	1/4	149.20	1/4	1/4	1/4		1/4	
1/2	2,297.99	1/2	1,937.29	1/2	1,570.83	1/2	1,204.12	1/2	839.28	1/2	474.13	1/2	142.82	1/2	1/2	1/2		1/2	
3/4	2,290.35	3/4	1,929.69	3/4	1,563.19	3/4	1,196.48	3/4	831.69	3/4	466.70	3/4	136.44	3/4	3/4	3/4		3/4	
4	2,282.71	4	1,922.08	4	1,555.55	4	1,188.84	4	824.10	4	459.28	4	130.06	4	4	4		4	
1/4	2,275.07	1/4	1,914.48	1/4	1,547.91	1/4	1,181.20	1/4	816.51	1/4	451.94	1/4	123.78	1/4	1/4	1/4		1/4	
1/2	2,267.43	1/2	1,906.87	1/2	1,540.27	1/2	1,173.56	1/2	808.92	1/2	444.61	1/2	117.50	1/2	1/2	1/2		1/2	
3/4	2,259.80	3/4	1,899.27	3/4	1,532.63	3/4	1,165.92	3/4	801.33	3/4	437.27	3/4	111.21	3/4	3/4	3/4		3/4	
5	2,252.16	5	1,891.67	5	1,524.99	5	1,158.28	5	793.74	5	429.94	5	104.93	5	5	5		5	
1/4	2,244.52	1/4	1,884.03	1/4	1,517.35	1/4	1,150.67	1/4	786.12	1/4	422.69	1/4	98.74	1/4	1/4	1/4		1/4	
1/2	2,236.88	1/2	1,876.40	1/2	1,509.71	1/2	1,143.05	1/2	778.49	1/2	415.44	1/2	92.55	1/2	1/2	1/2		1/2	
3/4	2,229.24	3/4	1,868.77	3/4	1,502.07	3/4	1,135.43	3/4	770.86	3/4	408.19	3/4	86.36	3/4	3/4	3/4		3/4	
6	2,221.60	6	1,861.14	6	1,494.43	6	1,127.81	6	763.23	6	400.94	6	80.17	6	6	6		6	
1/4	2,213.97	1/4	1,853.50	1/4	1,486.79	1/4	1,120.20	1/4	755.59	1/4	393.78	1/4	74.09	1/4	1/4	1/4		1/4	
1/2	2,206.33	1/2	1,845.86	1/2	1,479.15	1/2	1,112.59	1/2	747.96	1/2	386.61	1/2	68.01	1/2	1/2	1/2		1/2	
3/4	2,198.69	3/4	1,838.22	3/4	1,471.51	3/4	1,104.98	3/4	740.32	3/4	379.45	3/4	61.93	3/4	3/4	3/4		3/4	
7	2,191.05	7	1,830.58	7	1,463.87	7	1,097.37	7	732.68	7	372.29	7	55.86	7	7	7		7	
1/4	2,183.41	1/4	1,822.94	1/4	1,456.23	1/4	1,089.77	1/4	725.04	1/4	365.21	1/4	50.56	1/4	1/4	1/4		1/4	
1/2	2,175.77	1/2	1,815.30	1/2	1,448.59	1/2	1,082.17	1/2	717.40	1/2	358.14	1/2	45.26	1/2	1/2	1/2		1/2	
3/4	2,168.14	3/4	1,807.66	3/4	1,440.95	3/4	1,074.58	3/4	709.76	3/4	351.06	3/4	39.96	3/4	3/4	3/4		3/4	
8	2,160.50	8	1,800.02	8	1,433.31	8	1,066.98	8	702.12	8	343.99	8	34.66	8	8	8		8	
1/4	2,152.86	1/4	1,792.38	1/4	1,425.67	1/4	1,059.38	1/4	694.48	1/4	337.00	1/4	30.78	1/4	1/4	1/4		1/4	
1/2	2,145.22	1/2	1,784.74	1/2	1,418.03	1/2	1,051.78	1/2	686.84	1/2	330.01	1/2	26.89	1/2	1/2	1/2		1/2	
3/4	2,137.58	3/4	1,777.10	3/4	1,410.39	3/4	1,044.19	3/4	679.20	3/4	323.02	3/4	23.00	3/4	3/4	3/4		3/4	
9	2,129.94	9	1,769.46	9	1,402.76	9	1,036.59	9	671.56	9	316.03	9	19.12	9	9	9		9	
1/4	2,122.31	1/4	1,761.82	1/4	1,395.12	1/4	1,029.00	1/4	663.92	1/4	309.13	1/4		1/4	1/4	1/4		1/4	
1/2	2,114.67	1/2	1,754.18	1/2	1,387.48	1/2	1,021.41	1/2	656.28	1/2	302.22	1/2		1/2	1/2	1/2		1/2	
3/4	2,107.03	3/4	1,746.54	3/4	1,379.84	3/4	1,013.82	3/4	648.64	3/4	295.32	3/4		3/4	3/4	3/4		3/4	
10	2,099.39	10	1,738.90	10	1,372.20	10	1,006.23	10	641.00	10	288.42	10		10	10	10		10	
1/4	2,091.75	1/4	1,731.26	1/4	1,364.56	1/4	998.64	1/4	633.36	1/4	281.60	1/4		1/4	1/4	1/4		1/4	
1/2	2,084.11	1/2	1,723.62	1/2	1,356.92	1/2	991.05	1/2	625.72	1/2	274.79	1/2		1/2	1/2	1/2		1/2	
3/4	2,076.48	3/4	1,715.98	3/4	1,349.28	3/4	983.46	3/4	618.08	3/4	267.97	3/4		3/4	3/4	3/4		3/4	
11	2,068.84	11	1,708.34	11	1,341.64	11	975.87	11	610.44	11	261.16	11		11	11	11		11	
1/4	2,061.20	1/4	1,700.70	1/4	1,334.00	1/4	968.29	1/4	602.80	1/4	254.43	1/4		1/4	1/4	1/4		1/4	
1/2	2,053.56	1/2	1,693.06	1/2	1,326.36	1/2	960.70	1/2	595.17	1/2	247.70	1/2		1/2	1/2	1/2		1/2	
3/4	2,045.92	3/4	1,685.42	3/4	1,318.72	3/4	953.11	3/4	587.53	3/4	240.97	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/18/2014 PMA  
RECALCULATED: 08/01/2019  
NAME CHANGE: 08/01/2019

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2019

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



# BARGE "KIRBY 27732"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 329"

GAUGE HEIGHT 16'-09 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	4,921.80	0	4,594.03	0	4,245.05	0	3,880.26	0	3,514.55	0	3,148.84	0	2,783.04		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,914.96	1/4	4,586.97	1/4	4,237.55	1/4	3,872.64	1/4	3,506.93	1/4	3,141.22	1/4	2,775.41		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,908.11	1/2	4,579.92	1/2	4,230.06	1/2	3,865.02	1/2	3,499.31	1/2	3,133.61	1/2	2,767.79		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,901.48	3/4	4,572.83	3/4	4,222.53	3/4	3,857.40	3/4	3,491.69	3/4	3,125.99	3/4	2,760.17		
1		1		1		1	4,894.85	1	4,565.74	1	4,214.99	1	3,849.78	1	3,484.07	1	3,118.37	1	2,752.54		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,888.22	1/4	4,558.66	1/4	4,207.46	1/4	3,842.16	1/4	3,476.46	1/4	3,110.75	1/4	2,744.92		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,881.59	1/2	4,551.57	1/2	4,199.93	1/2	3,834.54	1/2	3,468.84	1/2	3,103.13	1/2	2,737.30		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,874.93	3/4	4,544.45	3/4	4,192.37	3/4	3,826.93	3/4	3,461.22	3/4	3,095.51	3/4	2,729.68		
2		2		2		2	4,868.26	2	4,537.33	2	4,184.80	2	3,819.31	2	3,453.60	2	3,087.89	2	2,722.05		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,861.60	1/4	4,530.20	1/4	4,177.24	1/4	3,811.69	1/4	3,445.98	1/4	3,080.27	1/4	2,714.43		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,854.94	1/2	4,523.08	1/2	4,169.68	1/2	3,804.07	1/2	3,438.36	1/2	3,072.65	1/2	2,706.81		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,848.24	3/4	4,515.93	3/4	4,162.08	3/4	3,796.45	3/4	3,430.74	3/4	3,065.04	3/4	2,699.18		
3		3		3		3	4,841.54	3	4,508.77	3	4,154.48	3	3,788.83	3	3,423.12	3	3,057.42	3	2,691.56		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,834.84	1/4	4,501.62	1/4	4,146.88	1/4	3,781.21	1/4	3,415.50	1/4	3,049.80	1/4	2,683.94		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,828.14	1/2	4,494.46	1/2	4,139.28	1/2	3,773.59	1/2	3,407.89	1/2	3,042.18	1/2	2,676.32		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,821.40	3/4	4,487.27	3/4	4,131.67	3/4	3,765.97	3/4	3,400.27	3/4	3,034.56	3/4	2,668.69		
4		4		4		4	4,814.66	4	4,480.08	4	4,124.05	4	3,758.36	4	3,392.65	4	3,026.94	4	2,661.07		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,807.93	1/4	4,472.89	1/4	4,116.44	1/4	3,750.74	1/4	3,385.03	1/4	3,019.32	1/4	2,653.45		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,801.19	1/2	4,465.71	1/2	4,108.82	1/2	3,743.12	1/2	3,377.41	1/2	3,011.70	1/2	2,645.82		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,794.42	3/4	4,458.48	3/4	4,101.21	3/4	3,735.50	3/4	3,369.79	3/4	3,004.08	3/4	2,638.20		
5		5		5		5	4,787.65	5	4,451.26	5	4,093.59	5	3,727.88	5	3,362.17	5	2,996.47	5	2,630.58		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,780.88	1/4	4,444.04	1/4	4,085.97	1/4	3,720.26	1/4	3,354.55	1/4	2,988.85	1/4	2,622.95		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,774.11	1/2	4,436.81	1/2	4,078.35	1/2	3,712.64	1/2	3,346.93	1/2	2,981.23	1/2	2,615.33		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,767.30	3/4	4,429.55	3/4	4,070.73	3/4	3,705.02	3/4	3,339.32	3/4	2,973.61	3/4	2,607.71		
6		6		6		6	4,760.50	6	4,422.29	6	4,063.11	6	3,697.40	6	3,331.70	6	2,965.98	6	2,600.09		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,753.70	1/4	4,415.03	1/4	4,055.49	1/4	3,689.78	1/4	3,324.08	1/4	2,958.36	1/4	2,592.46		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,081.39	1/2	4,746.89	1/2	4,407.76	1/2	4,047.87	1/2	3,682.17	1/2	3,316.46	1/2	2,950.74	1/2	2,584.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,074.97	3/4	4,740.05	3/4	4,400.45	3/4	4,040.25	3/4	3,674.55	3/4	3,308.84	3/4	2,943.12	3/4	2,577.22
7		7		7		7	5,068.55	7	4,733.22	7	4,393.13	7	4,032.64	7	3,666.93	7	3,301.22	7	2,935.49	7	2,569.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,062.14	1/4	4,726.38	1/4	4,385.82	1/4	4,025.02	1/4	3,659.31	1/4	3,293.60	1/4	2,927.87	1/4	2,561.97
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,055.72	1/2	4,719.54	1/2	4,378.50	1/2	4,017.40	1/2	3,651.69	1/2	3,285.98	1/2	2,920.25	1/2	2,554.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,048.35	3/4	4,712.64	3/4	4,371.15	3/4	4,009.78	3/4	3,644.07	3/4	3,278.36	3/4	2,912.63	3/4	2,546.73
8		8		8		8	5,040.97	8	4,705.74	8	4,363.80	8	4,002.16	8	3,636.45	8	3,270.75	8	2,905.00	8	2,539.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,033.60	1/4	4,698.84	1/4	4,356.44	1/4	3,994.54	1/4	3,628.83	1/4	3,263.13	1/4	2,897.38	1/4	2,531.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,026.23	1/2	4,691.94	1/2	4,349.09	1/2	3,986.92	1/2	3,621.21	1/2	3,255.51	1/2	2,889.76	1/2	2,523.86
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,018.67	3/4	4,684.99	3/4	4,341.70	3/4	3,979.30	3/4	3,613.60	3/4	3,247.89	3/4	2,882.13	3/4	2,516.23
9		9		9		9	5,011.11	9	4,678.05	9	4,334.31	9	3,971.68	9	3,605.98	9	3,240.27	9	2,874.51	9	2,508.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,003.54	1/4	4,671.10	1/4	4,326.93	1/4	3,964.07	1/4	3,598.36	1/4	3,232.65	1/4	2,866.89	1/4	2,500.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,995.98	1/2	4,664.16	1/2	4,319.54	1/2	3,956.45	1/2	3,590.74	1/2	3,225.03	1/2	2,859.26	1/2	2,493.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,988.42	3/4	4,657.17	3/4	4,312.12	3/4	3,948.83	3/4	3,583.12	3/4	3,217.41	3/4	2,851.64	3/4	2,485.74
10		10		10		10	4,980.86	10	4,650.19	10	4,304.70	10	3,941.21	10	3,575.50	10	3,209.79	10	2,844.02	10	2,478.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,973.30	1/4	4,643.20	1/4	4,297.28	1/4	3,933.59	1/4	3,567.88	1/4	3,202.18	1/4	2,836.40	1/4	2,470.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,965.74	1/2	4,636.22	1/2	4,289.85	1/2	3,925.97	1/2	3,560.26	1/2	3,194.56	1/2	2,828.77	1/2	2,462.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,958.18	3/4	4,629.20	3/4	4,282.40	3/4	3,918.35	3/4	3,552.64	3/4	3,186.94	3/4	2,821.15	3/4	2,455.25
11		11		11		11	4,950.61	11	4,622.18	11	4,274.95	11	3,910.73	11	3,545.03	11	3,179.32	11	2,813.53	11	2,447.63
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,943.05	1/4	4,615.16	1/4	4,267.49	1/4	3,903.11	1/4	3,537.41	1/4	3,171.70	1/4	2,805.90	1/4	2,440.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,935.49	1/2	4,608.14	1/2	4,260.04	1/2	3,895.50	1/2	3,529.79	1/2	3,164.08	1/2	2,798.28	1/2	2,432.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,928.65	3/4	4,601.08	3/4	4,252.54	3/4	3,887.88	3/4	3,522.17	3/4	3,156.46	3/4	2,790.66	3/4	2,424.76

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 44'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "KIRBY 27732"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 329"

GAUGE HEIGHT 16'-09 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,417.14	0	2,051.24	0	1,691.48	0	1,325.51	0	959.72	0	594.08	0	247.39	0		0		0	
1/4	2,409.51	1/4	2,043.61	1/4	1,683.86	1/4	1,317.89	1/4	952.11	1/4	586.45	1/4	240.68	1/4	1/4		1/4		1/4
1/2	2,401.89	1/2	2,035.99	1/2	1,676.23	1/2	1,310.26	1/2	944.50	1/2	578.83	1/2	233.96	1/2	1/2		1/2		1/2
3/4	2,394.27	3/4	2,028.91	3/4	1,668.61	3/4	1,302.64	3/4	936.89	3/4	571.22	3/4	227.34	3/4	3/4		3/4		3/4
1	2,386.65	1	2,021.83	1	1,660.99	1	1,295.01	1	929.28	1	563.61	1	220.71	1	1		1		1
1/4	2,379.02	1/4	2,014.75	1/4	1,653.36	1/4	1,287.39	1/4	921.67	1/4	556.00	1/4	214.08	1/4	1/4		1/4		1/4
1/2	2,371.40	1/2	2,007.66	1/2	1,645.74	1/2	1,279.77	1/2	914.06	1/2	548.39	1/2	207.45	1/2	1/2		1/2		1/2
3/4	2,363.78	3/4	2,000.76	3/4	1,638.11	3/4	1,272.14	3/4	906.45	3/4	540.82	3/4	200.91	3/4	3/4		3/4		3/4
2	2,356.15	2	1,993.86	2	1,630.49	2	1,264.52	2	898.84	2	533.26	2	194.37	2	2		2		2
1/4	2,348.53	1/4	1,986.96	1/4	1,622.86	1/4	1,256.89	1/4	891.23	1/4	525.69	1/4	187.83	1/4	1/4		1/4		1/4
1/2	2,340.91	1/2	1,980.06	1/2	1,615.24	1/2	1,249.27	1/2	883.61	1/2	518.12	1/2	181.29	1/2	1/2		1/2		1/2
3/4	2,333.28	3/4	1,972.64	3/4	1,607.61	3/4	1,241.64	3/4	876.00	3/4	510.63	3/4	174.84	3/4	3/4		3/4		3/4
3	2,325.66	3	1,965.22	3	1,599.99	3	1,234.02	3	868.39	3	503.14	3	168.38	3	3		3		3
1/4	2,318.04	1/4	1,957.80	1/4	1,592.37	1/4	1,226.39	1/4	860.78	1/4	495.65	1/4	161.93	1/4	1/4		1/4		1/4
1/2	2,310.42	1/2	1,950.39	1/2	1,584.74	1/2	1,218.77	1/2	853.17	1/2	488.16	1/2	155.47	1/2	1/2		1/2		1/2
3/4	2,302.79	3/4	1,942.80	3/4	1,577.12	3/4	1,211.15	3/4	845.56	3/4	480.75	3/4	149.11	3/4	3/4		3/4		3/4
4	2,295.17	4	1,935.21	4	1,569.49	4	1,203.52	4	837.95	4	473.34	4	142.74	4	4		4		4
1/4	2,287.55	1/4	1,927.62	1/4	1,561.87	1/4	1,195.90	1/4	830.34	1/4	465.93	1/4	136.37	1/4	1/4		1/4		1/4
1/2	2,279.92	1/2	1,920.03	1/2	1,554.24	1/2	1,188.27	1/2	822.73	1/2	458.53	1/2	130.00	1/2	1/2		1/2		1/2
3/4	2,272.30	3/4	1,912.44	3/4	1,546.62	3/4	1,180.65	3/4	815.12	3/4	451.20	3/4	123.72	3/4	3/4		3/4		3/4
5	2,264.68	5	1,904.85	5	1,539.00	5	1,173.02	5	807.51	5	443.88	5	117.44	5	5		5		5
1/4	2,257.06	1/4	1,897.27	1/4	1,531.37	1/4	1,165.40	1/4	799.90	1/4	436.56	1/4	111.16	1/4	1/4		1/4		1/4
1/2	2,249.43	1/2	1,889.68	1/2	1,523.75	1/2	1,157.78	1/2	792.29	1/2	429.24	1/2	104.88	1/2	1/2		1/2		1/2
3/4	2,241.81	3/4	1,882.06	3/4	1,516.12	3/4	1,150.15	3/4	784.67	3/4	422.01	3/4	98.70	3/4	3/4		3/4		3/4
6	2,234.19	6	1,874.45	6	1,508.50	6	1,142.53	6	777.05	6	414.77	6	92.51	6	6		6		6
1/4	2,226.56	1/4	1,866.83	1/4	1,500.87	1/4	1,134.90	1/4	769.43	1/4	407.54	1/4	86.33	1/4	1/4		1/4		1/4
1/2	2,218.94	1/2	1,859.22	1/2	1,493.25	1/2	1,127.28	1/2	761.81	1/2	400.30	1/2	80.14	1/2	1/2		1/2		1/2
3/4	2,211.32	3/4	1,851.60	3/4	1,485.62	3/4	1,119.65	3/4	754.18	3/4	393.16	3/4	74.06	3/4	3/4		3/4		3/4
7	2,203.70	7	1,843.97	7	1,478.00	7	1,112.03	7	746.56	7	386.01	7	67.99	7	7		7		7
1/4	2,196.07	1/4	1,836.35	1/4	1,470.38	1/4	1,104.40	1/4	738.93	1/4	378.86	1/4	61.91	1/4	1/4		1/4		1/4
1/2	2,188.45	1/2	1,828.72	1/2	1,462.75	1/2	1,096.78	1/2	731.31	1/2	371.71	1/2	55.83	1/2	1/2		1/2		1/2
3/4	2,180.83	3/4	1,821.10	3/4	1,455.13	3/4	1,089.16	3/4	723.68	3/4	364.65	3/4	50.54	3/4	3/4		3/4		3/4
8	2,173.20	8	1,813.47	8	1,447.50	8	1,081.54	8	716.06	8	357.59	8	45.24	8	8		8		8
1/4	2,165.58	1/4	1,805.85	1/4	1,439.88	1/4	1,073.92	1/4	708.44	1/4	350.53	1/4	39.95	1/4	1/4		1/4		1/4
1/2	2,157.96	1/2	1,798.22	1/2	1,432.25	1/2	1,066.30	1/2	700.81	1/2	343.47	1/2	34.65	1/2	1/2		1/2		1/2
3/4	2,150.34	3/4	1,790.60	3/4	1,424.63	3/4	1,058.68	3/4	693.19	3/4	336.50	3/4	30.77	3/4	3/4		3/4		3/4
9	2,142.71	9	1,782.98	9	1,417.00	9	1,051.07	9	685.56	9	329.52	9	26.88	9	9		9		9
1/4	2,135.09	1/4	1,775.35	1/4	1,409.38	1/4	1,043.45	1/4	677.94	1/4	322.55	1/4	23.00	1/4	1/4		1/4		1/4
1/2	2,127.47	1/2	1,767.73	1/2	1,401.76	1/2	1,035.83	1/2	670.32	1/2	315.57	1/2	19.11	1/2	1/2		1/2		1/2
3/4	2,119.84	3/4	1,760.10	3/4	1,394.13	3/4	1,028.22	3/4	662.69	3/4	308.69	3/4		3/4	3/4		3/4		3/4
10	2,112.22	10	1,752.48	10	1,386.51	10	1,020.61	10	655.07	10	301.80	10		10	10		10		10
1/4	2,104.60	1/4	1,744.85	1/4	1,378.88	1/4	1,012.99	1/4	647.44	1/4	294.91	1/4		1/4	1/4		1/4		1/4
1/2	2,096.97	1/2	1,737.23	1/2	1,371.26	1/2	1,005.38	1/2	639.82	1/2	288.02	1/2		1/2	1/2		1/2		1/2
3/4	2,089.35	3/4	1,729.61	3/4	1,363.63	3/4	997.77	3/4	632.20	3/4	281.22	3/4		3/4	3/4		3/4		3/4
11	2,081.73	11	1,721.98	11	1,356.01	11	990.16	11	624.57	11	274.42	11		11	11		11		11
1/4	2,074.11	1/4	1,714.36	1/4	1,348.39	1/4	982.55	1/4	616.95	1/4	267.62	1/4		1/4	1/4		1/4		1/4
1/2	2,066.48	1/2	1,706.73	1/2	1,340.76	1/2	974.94	1/2	609.32	1/2	260.82	1/2		1/2	1/2		1/2		1/2
3/4	2,058.86	3/4	1,699.11	3/4	1,333.14	3/4	967.33	3/4	601.70	3/4	254.11	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/18/2014 PMA  
RECALCULATED: 08/01/2019  
NAME CHANGE: 08/01/2019

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2019

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



# BARGE "KIRBY 27732"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 329"

GAUGE HEIGHT 16'-09 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	4,678.44	0	4,370.44	0	4,042.39	0	3,699.43	0	3,355.62	0	3,011.80	0	2,667.89		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,672.01	1/4	4,363.81	1/4	4,035.35	1/4	3,692.27	1/4	3,348.45	1/4	3,004.64	1/4	2,660.72		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,665.58	1/2	4,357.18	1/2	4,028.30	1/2	3,685.10	1/2	3,341.29	1/2	2,997.48	1/2	2,653.55		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,659.35	3/4	4,350.52	3/4	4,021.22	3/4	3,677.94	3/4	3,334.13	3/4	2,990.31	3/4	2,646.39		
1		1		1		1	4,653.12	1	4,343.86	1	4,014.14	1	3,670.78	1	3,326.96	1	2,983.15	1	2,639.22		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,646.89	1/4	4,337.20	1/4	4,007.06	1/4	3,663.62	1/4	3,319.80	1/4	2,975.99	1/4	2,632.05		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,640.66	1/2	4,330.53	1/2	3,999.98	1/2	3,656.45	1/2	3,312.64	1/2	2,968.82	1/2	2,624.89		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,634.40	3/4	4,323.84	3/4	3,992.87	3/4	3,649.29	3/4	3,305.48	3/4	2,961.66	3/4	2,617.72		
2		2		2		2	4,628.14	2	4,317.15	2	3,985.76	2	3,642.13	2	3,298.31	2	2,954.50	2	2,610.55		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,621.88	1/4	4,310.45	1/4	3,978.65	1/4	3,634.96	1/4	3,291.15	1/4	2,947.34	1/4	2,603.38		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,615.62	1/2	4,303.76	1/2	3,971.53	1/2	3,627.80	1/2	3,283.99	1/2	2,940.17	1/2	2,596.22		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,609.33	3/4	4,297.03	3/4	3,964.39	3/4	3,620.64	3/4	3,276.82	3/4	2,933.01	3/4	2,589.05		
3		3		3		3	4,603.03	3	4,290.31	3	3,957.25	3	3,613.48	3	3,269.66	3	2,925.85	3	2,581.88		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,596.74	1/4	4,283.58	1/4	3,950.10	1/4	3,606.31	1/4	3,262.50	1/4	2,918.68	1/4	2,574.72		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,590.44	1/2	4,276.86	1/2	3,942.96	1/2	3,599.15	1/2	3,255.34	1/2	2,911.52	1/2	2,567.55		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,584.11	3/4	4,270.10	3/4	3,935.80	3/4	3,591.99	3/4	3,248.17	3/4	2,904.36	3/4	2,560.38		
4		4		4		4	4,577.78	4	4,263.34	4	3,928.64	4	3,584.83	4	3,241.01	4	2,897.20	4	2,553.22		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,571.45	1/4	4,256.59	1/4	3,921.48	1/4	3,577.66	1/4	3,233.85	1/4	2,890.03	1/4	2,546.05		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,565.12	1/2	4,249.83	1/2	3,914.31	1/2	3,570.50	1/2	3,226.69	1/2	2,882.87	1/2	2,538.88		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,558.76	3/4	4,243.04	3/4	3,907.15	3/4	3,563.34	3/4	3,219.52	3/4	2,875.71	3/4	2,531.72		
5		5		5		5	4,552.40	5	4,236.25	5	3,899.99	5	3,556.17	5	3,212.36	5	2,868.55	5	2,524.55		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,546.04	1/4	4,229.46	1/4	3,892.83	1/4	3,549.01	1/4	3,205.20	1/4	2,861.38	1/4	2,517.38		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,539.68	1/2	4,222.67	1/2	3,885.66	1/2	3,541.85	1/2	3,198.03	1/2	2,854.22	1/2	2,510.22		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,533.29	3/4	4,215.85	3/4	3,878.50	3/4	3,534.69	3/4	3,190.87	3/4	2,847.05	3/4	2,503.05		
6		6		6		6	4,526.89	6	4,209.02	6	3,871.34	6	3,527.52	6	3,183.71	6	2,839.89	6	2,495.88		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,520.50	1/4	4,202.19	1/4	3,864.17	1/4	3,520.36	1/4	3,176.55	1/4	2,832.72	1/4	2,488.71		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,828.41	1/2	4,514.11	1/2	4,195.37	1/2	3,857.01	1/2	3,513.20	1/2	3,169.38	1/2	2,825.56	1/2	2,481.55
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,822.38	3/4	4,507.68	3/4	4,188.49	3/4	3,849.85	3/4	3,506.03	3/4	3,162.22	3/4	2,818.39	3/4	2,474.38
7		7		7		7	4,816.35	7	4,501.26	7	4,181.61	7	3,842.69	7	3,498.87	7	3,155.06	7	2,811.22	7	2,467.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,810.31	1/4	4,494.84	1/4	4,174.74	1/4	3,835.52	1/4	3,491.71	1/4	3,147.89	1/4	2,804.06	1/4	2,460.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,804.28	1/2	4,488.41	1/2	4,167.86	1/2	3,828.36	1/2	3,484.55	1/2	3,140.73	1/2	2,796.89	1/2	2,452.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,797.35	3/4	4,481.93	3/4	4,160.95	3/4	3,821.20	3/4	3,477.38	3/4	3,133.57	3/4	2,789.72	3/4	2,445.71
8		8		8		8	4,790.43	8	4,475.44	8	4,154.03	8	3,814.03	8	3,470.22	8	3,126.41	8	2,782.56	8	2,438.55
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,783.50	1/4	4,468.95	1/4	4,147.12	1/4	3,806.87	1/4	3,463.06	1/4	3,119.24	1/4	2,775.39	1/4	2,431.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,776.57	1/2	4,462.47	1/2	4,140.21	1/2	3,799.71	1/2	3,455.89	1/2	3,112.08	1/2	2,768.22	1/2	2,424.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,769.47	3/4	4,455.94	3/4	4,133.26	3/4	3,792.55	3/4	3,448.73	3/4	3,104.92	3/4	2,761.06	3/4	2,417.05
9		9		9		9	4,762.36	9	4,449.41	9	4,126.32	9	3,785.38	9	3,441.57	9	3,097.75	9	2,753.89	9	2,409.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,755.25	1/4	4,442.89	1/4	4,119.37	1/4	3,778.22	1/4	3,434.41	1/4	3,090.59	1/4	2,746.72	1/4	2,402.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,748.15	1/2	4,436.36	1/2	4,112.42	1/2	3,771.06	1/2	3,427.24	1/2	3,083.43	1/2	2,739.56	1/2	2,395.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,741.04	3/4	4,429.79	3/4	4,105.45	3/4	3,763.90	3/4	3,420.08	3/4	3,076.27	3/4	2,732.39	3/4	2,388.38
10		10		10		10	4,733.94	10	4,423.23	10	4,098.47	10	3,756.73	10	3,412.92	10	3,069.10	10	2,725.22	10	2,381.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,726.83	1/4	4,416.66	1/4	4,091.49	1/4	3,749.57	1/4	3,405.76	1/4	3,061.94	1/4	2,718.06	1/4	2,374.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,719.73	1/2	4,410.10	1/2	4,084.52	1/2	3,742.41	1/2	3,398.59	1/2	3,054.78	1/2	2,710.89	1/2	2,366.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,712.62	3/4	4,403.50	3/4	4,077.51	3/4	3,735.24	3/4	3,391.43	3/4	3,047.62	3/4	2,703.72	3/4	2,359.71
11		11		11		11	4,705.52	11	4,396.90	11	4,070.50	11	3,728.08	11	3,384.27	11	3,040.45	11	2,696.55	11	2,352.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,698.41	1/4	4,390.30	1/4	4,063.49	1/4	3,720.92	1/4	3,377.10	1/4	3,033.29	1/4	2,689.39	1/4	2,345.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,691.31	1/2	4,383.70	1/2	4,056.48	1/2	3,713.76	1/2	3,369.94	1/2	3,026.13	1/2	2,682.22	1/2	2,338.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,684.87	3/4	4,377.07	3/4	4,049.44	3/4	3,706.59	3/4	3,362.78	3/4	3,018.96	3/4	2,675.05	3/4	2,331.04

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 40'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "KIRBY 27732"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 329"

GAUGE HEIGHT 16'-09 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,323.88	0	1,979.86	0	1,641.65	0	1,297.57	0	960.88	0	623.80	0	279.73	0		0		0	
1/4	2,316.71	1/4	1,972.70	1/4	1,634.48	1/4	1,290.41	1/4	954.01	1/4	616.64	1/4	272.57	1/4	1/4	1/4		1/4	
1/2	2,309.54	1/2	1,965.53	1/2	1,627.32	1/2	1,283.24	1/2	947.15	1/2	609.47	1/2	265.40	1/2	1/2	1/2		1/2	
3/4	2,302.38	3/4	1,958.37	3/4	1,620.15	3/4	1,276.07	3/4	940.28	3/4	602.30	3/4	258.23	3/4	3/4	3/4		3/4	
1	2,295.21	1	1,952.21	1	1,612.98	1	1,268.90	1	933.42	1	595.13	1	251.06	1	1	1		1	
1/4	2,288.04	1/4	1,945.56	1/4	1,605.81	1/4	1,261.73	1/4	926.56	1/4	587.96	1/4	243.89	1/4	1/4	1/4		1/4	
1/2	2,280.87	1/2	1,938.90	1/2	1,598.64	1/2	1,254.56	1/2	919.69	1/2	580.79	1/2	236.73	1/2	1/2	1/2		1/2	
3/4	2,273.71	3/4	1,932.41	3/4	1,591.47	3/4	1,247.40	3/4	912.83	3/4	573.63	3/4	229.56	3/4	3/4	3/4		3/4	
2	2,266.54	2	1,925.92	2	1,584.31	2	1,240.23	2	905.96	2	566.46	2	222.39	2	2	2		2	
1/4	2,259.37	1/4	1,919.43	1/4	1,577.14	1/4	1,233.06	1/4	899.10	1/4	559.29	1/4	215.22	1/4	1/4	1/4		1/4	
1/2	2,252.21	1/2	1,912.94	1/2	1,569.97	1/2	1,225.89	1/2	892.24	1/2	552.12	1/2	208.05	1/2	1/2	1/2		1/2	
3/4	2,245.04	3/4	1,905.97	3/4	1,562.80	3/4	1,218.72	3/4	885.37	3/4	544.95	3/4	200.89	3/4	3/4	3/4		3/4	
3	2,237.87	3	1,899.00	3	1,555.63	3	1,211.55	3	878.51	3	537.79	3	193.72	3	3	3		3	
1/4	2,230.71	1/4	1,892.03	1/4	1,548.46	1/4	1,204.39	1/4	871.64	1/4	530.62	1/4	186.55	1/4	1/4	1/4		1/4	
1/2	2,223.54	1/2	1,885.06	1/2	1,541.30	1/2	1,197.22	1/2	864.78	1/2	523.45	1/2	179.38	1/2	1/2	1/2		1/2	
3/4	2,216.37	3/4	1,877.92	3/4	1,534.13	3/4	1,190.05	3/4	857.92	3/4	516.28	3/4	172.21	3/4	3/4	3/4		3/4	
4	2,209.21	4	1,870.79	4	1,526.96	4	1,182.88	4	851.05	4	509.11	4	165.04	4	4	4		4	
1/4	2,202.04	1/4	1,863.66	1/4	1,519.79	1/4	1,175.71	1/4	844.19	1/4	501.95	1/4	157.88	1/4	1/4	1/4		1/4	
1/2	2,194.87	1/2	1,856.53	1/2	1,512.62	1/2	1,168.54	1/2	837.33	1/2	494.78	1/2	150.71	1/2	1/2	1/2		1/2	
3/4	2,187.70	3/4	1,849.39	3/4	1,505.45	3/4	1,161.38	3/4	830.46	3/4	487.61	3/4	143.54	3/4	3/4	3/4		3/4	
5	2,180.54	5	1,842.26	5	1,498.29	5	1,154.21	5	823.60	5	480.44	5	136.37	5	5	5		5	
1/4	2,173.37	1/4	1,835.13	1/4	1,491.12	1/4	1,147.04	1/4	816.73	1/4	473.27	1/4	129.21	1/4	1/4	1/4		1/4	
1/2	2,166.20	1/2	1,828.00	1/2	1,483.95	1/2	1,139.87	1/2	809.87	1/2	466.11	1/2	122.04	1/2	1/2	1/2		1/2	
3/4	2,159.04	3/4	1,820.84	3/4	1,476.78	3/4	1,132.92	3/4	802.78	3/4	458.94	3/4	114.88	3/4	3/4	3/4		3/4	
6	2,151.87	6	1,813.68	6	1,469.61	6	1,125.96	6	795.69	6	451.77	6	107.72	6	6	6		6	
1/4	2,144.70	1/4	1,806.52	1/4	1,462.45	1/4	1,119.00	1/4	788.59	1/4	444.60	1/4	100.56	1/4	1/4	1/4		1/4	
1/2	2,137.54	1/2	1,799.36	1/2	1,455.28	1/2	1,112.05	1/2	781.50	1/2	437.43	1/2	93.40	1/2	1/2	1/2		1/2	
3/4	2,130.37	3/4	1,792.19	3/4	1,448.11	3/4	1,105.16	3/4	774.33	3/4	430.26	3/4	86.26	3/4	3/4	3/4		3/4	
7	2,123.20	7	1,785.02	7	1,440.94	7	1,098.28	7	767.17	7	423.10	7	79.12	7	7	7		7	
1/4	2,116.04	1/4	1,777.85	1/4	1,433.77	1/4	1,091.39	1/4	760.00	1/4	415.93	1/4	71.98	1/4	1/4	1/4		1/4	
1/2	2,108.87	1/2	1,770.68	1/2	1,426.60	1/2	1,084.51	1/2	752.83	1/2	408.76	1/2	64.84	1/2	1/2	1/2		1/2	
3/4	2,101.70	3/4	1,763.51	3/4	1,419.44	3/4	1,077.63	3/4	745.66	3/4	401.59	3/4	58.36	3/4	3/4	3/4		3/4	
8	2,094.53	8	1,756.35	8	1,412.27	8	1,070.76	8	738.49	8	394.42	8	51.87	8	8	8		8	
1/4	2,087.37	1/4	1,749.18	1/4	1,405.10	1/4	1,063.88	1/4	731.32	1/4	387.26	1/4	45.38	1/4	1/4	1/4		1/4	
1/2	2,080.20	1/2	1,742.01	1/2	1,397.93	1/2	1,057.01	1/2	724.16	1/2	380.09	1/2	38.90	1/2	1/2	1/2		1/2	
3/4	2,073.03	3/4	1,734.84	3/4	1,390.76	3/4	1,050.14	3/4	716.99	3/4	372.92	3/4	33.97	3/4	3/4	3/4		3/4	
9	2,065.87	9	1,727.67	9	1,383.59	9	1,043.26	9	709.82	9	365.75	9	29.04	9	9	9		9	
1/4	2,058.70	1/4	1,720.50	1/4	1,376.43	1/4	1,036.39	1/4	702.65	1/4	358.58	1/4	24.11	1/4	1/4	1/4		1/4	
1/2	2,051.53	1/2	1,713.34	1/2	1,369.26	1/2	1,029.52	1/2	695.48	1/2	351.42	1/2	19.18	1/2	1/2	1/2		1/2	
3/4	2,044.37	3/4	1,706.17	3/4	1,362.09	3/4	1,022.66	3/4	688.32	3/4	344.25	3/4		3/4	3/4	3/4		3/4	
10	2,037.20	10	1,699.00	10	1,354.92	10	1,015.79	10	681.15	10	337.08	10		10	10	10		10	
1/4	2,030.03	1/4	1,691.83	1/4	1,347.75	1/4	1,008.92	1/4	673.98	1/4	329.91	1/4		1/4	1/4	1/4		1/4	
1/2	2,022.87	1/2	1,684.66	1/2	1,340.58	1/2	1,002.06	1/2	666.81	1/2	322.74	1/2		1/2	1/2	1/2		1/2	
3/4	2,015.70	3/4	1,677.49	3/4	1,333.42	3/4	995.19	3/4	659.64	3/4	315.58	3/4		3/4	3/4	3/4		3/4	
11	2,008.53	11	1,670.33	11	1,326.25	11	988.33	11	652.48	11	308.41	11		11	11	11		11	
1/4	2,001.37	1/4	1,663.16	1/4	1,319.08	1/4	981.47	1/4	645.31	1/4	301.24	1/4		1/4	1/4	1/4		1/4	
1/2	1,994.20	1/2	1,655.99	1/2	1,311.91	1/2	974.60	1/2	638.14	1/2	294.07	1/2		1/2	1/2	1/2		1/2	
3/4	1,987.03	3/4	1,648.82	3/4	1,304.74	3/4	967.74	3/4	630.97	3/4	286.90	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/18/2014 PMA  
RECALCULATED: 08/01/2019  
NAME CHANGE: 08/01/2019

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "KIRBY 27732"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 329"

GAUGE HEIGHT 16'-09 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
							4,694.78		4,386.60		4,058.37		3,715.24		3,371.25		3,027.25		2,683.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,688.35	1/4	4,379.96	1/4	4,051.32	1/4	3,708.07	1/4	3,364.08	1/4	3,020.09	1/4	2,675.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,681.91	1/2	4,373.33	1/2	4,044.27	1/2	3,700.90	1/2	3,356.91	1/2	3,012.92	1/2	2,668.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,675.68	3/4	4,366.66	3/4	4,037.18	3/4	3,693.74	3/4	3,349.75	3/4	3,005.75	3/4	2,661.65
<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>4,669.45</b>	<b>1</b>	<b>4,360.00</b>	<b>1</b>	<b>4,030.10</b>	<b>1</b>	<b>3,686.57</b>	<b>1</b>	<b>3,342.58</b>	<b>1</b>	<b>2,998.59</b>	<b>1</b>	<b>2,654.48</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,663.21	1/4	4,353.33	1/4	4,023.01	1/4	3,679.41	1/4	3,335.41	1/4	2,991.42	1/4	2,647.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,656.98	1/2	4,346.66	1/2	4,015.93	1/2	3,672.24	1/2	3,328.25	1/2	2,984.25	1/2	2,640.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,650.71	3/4	4,339.97	3/4	4,008.82	3/4	3,665.07	3/4	3,321.08	3/4	2,977.09	3/4	2,632.97
<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>4,644.45</b>	<b>2</b>	<b>4,333.27</b>	<b>2</b>	<b>4,001.70</b>	<b>2</b>	<b>3,657.91</b>	<b>2</b>	<b>3,313.91</b>	<b>2</b>	<b>2,969.92</b>	<b>2</b>	<b>2,625.80</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,638.19	1/4	4,326.57	1/4	3,994.59	1/4	3,650.74	1/4	3,306.75	1/4	2,962.76	1/4	2,618.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,631.93	1/2	4,319.87	1/2	3,987.47	1/2	3,643.57	1/2	3,299.58	1/2	2,955.59	1/2	2,611.46
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,625.63	3/4	4,313.14	3/4	3,980.32	3/4	3,636.41	3/4	3,292.41	3/4	2,948.42	3/4	2,604.29
<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>4,619.33</b>	<b>3</b>	<b>4,306.42</b>	<b>3</b>	<b>3,973.18</b>	<b>3</b>	<b>3,629.24</b>	<b>3</b>	<b>3,285.25</b>	<b>3</b>	<b>2,941.26</b>	<b>3</b>	<b>2,597.12</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,613.03	1/4	4,299.69	1/4	3,966.03	1/4	3,622.07	1/4	3,278.08	1/4	2,934.09	1/4	2,589.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,606.73	1/2	4,292.96	1/2	3,958.88	1/2	3,614.91	1/2	3,270.91	1/2	2,926.92	1/2	2,582.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,600.39	3/4	4,286.20	3/4	3,951.72	3/4	3,607.74	3/4	3,263.75	3/4	2,919.76	3/4	2,575.60
<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4,594.06</b>	<b>4</b>	<b>4,279.44</b>	<b>4</b>	<b>3,944.56</b>	<b>4</b>	<b>3,600.57</b>	<b>4</b>	<b>3,256.58</b>	<b>4</b>	<b>2,912.59</b>	<b>4</b>	<b>2,568.43</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,587.73	1/4	4,272.67	1/4	3,937.40	1/4	3,593.41	1/4	3,249.42	1/4	2,905.42	1/4	2,561.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,581.39	1/2	4,265.91	1/2	3,930.23	1/2	3,586.24	1/2	3,242.25	1/2	2,898.26	1/2	2,554.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,575.03	3/4	4,259.12	3/4	3,923.07	3/4	3,579.07	3/4	3,235.08	3/4	2,891.09	3/4	2,546.92
<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>4,568.66</b>	<b>5</b>	<b>4,252.33</b>	<b>5</b>	<b>3,915.90</b>	<b>5</b>	<b>3,571.91</b>	<b>5</b>	<b>3,227.92</b>	<b>5</b>	<b>2,883.92</b>	<b>5</b>	<b>2,539.75</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,562.30	1/4	4,245.53	1/4	3,908.73	1/4	3,564.74	1/4	3,220.75	1/4	2,876.76	1/4	2,532.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,555.93	1/2	4,238.74	1/2	3,901.57	1/2	3,557.57	1/2	3,213.58	1/2	2,869.59	1/2	2,525.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,549.54	3/4	4,231.91	3/4	3,894.40	3/4	3,550.41	3/4	3,206.42	3/4	2,862.42	3/4	2,518.24
<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>4,543.14</b>	<b>6</b>	<b>4,225.08</b>	<b>6</b>	<b>3,887.23</b>	<b>6</b>	<b>3,543.24</b>	<b>6</b>	<b>3,199.25</b>	<b>6</b>	<b>2,855.25</b>	<b>6</b>	<b>2,511.07</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,536.74	1/4	4,218.25	1/4	3,880.07	1/4	3,536.08	1/4	3,192.08	1/4	2,848.08	1/4	2,503.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,844.82	1/2	4,530.35	1/2	4,211.42	1/2	3,872.90	1/2	3,528.91	1/2	3,184.92	1/2	2,840.91
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,838.79	3/4	4,523.92	3/4	4,204.54	3/4	3,865.73	3/4	3,521.74	3/4	3,177.75	3/4	2,833.74
<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>4,832.75</b>	<b>7</b>	<b>4,517.49</b>	<b>7</b>	<b>4,197.66</b>	<b>7</b>	<b>3,858.57</b>	<b>7</b>	<b>3,514.58</b>	<b>7</b>	<b>3,170.58</b>	<b>7</b>	<b>2,826.57</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,826.72	1/4	4,511.06	1/4	4,190.78	1/4	3,851.40	1/4	3,507.41	1/4	3,163.42	1/4	2,819.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,820.69	1/2	4,504.63	1/2	4,183.90	1/2	3,844.23	1/2	3,500.24	1/2	3,156.25	1/2	2,812.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,813.76	3/4	4,498.15	3/4	4,176.98	3/4	3,837.07	3/4	3,493.08	3/4	3,149.08	3/4	2,805.06
<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>4,806.83</b>	<b>8</b>	<b>4,491.66</b>	<b>8</b>	<b>4,170.07</b>	<b>8</b>	<b>3,829.90</b>	<b>8</b>	<b>3,485.91</b>	<b>8</b>	<b>3,141.92</b>	<b>8</b>	<b>2,797.89</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,799.90	1/4	4,485.17	1/4	4,163.15	1/4	3,822.74	1/4	3,478.74	1/4	3,134.75	1/4	2,790.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,792.96	1/2	4,478.68	1/2	4,156.23	1/2	3,815.57	1/2	3,471.58	1/2	3,127.58	1/2	2,783.55
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,785.86	3/4	4,472.14	3/4	4,149.28	3/4	3,808.40	3/4	3,464.41	3/4	3,120.42	3/4	2,776.38
<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>4,778.75</b>	<b>9</b>	<b>4,465.61</b>	<b>9</b>	<b>4,142.33</b>	<b>9</b>	<b>3,801.24</b>	<b>9</b>	<b>3,457.24</b>	<b>9</b>	<b>3,113.25</b>	<b>9</b>	<b>2,769.21</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,771.64	1/4	4,459.08	1/4	4,135.38	1/4	3,794.07	1/4	3,450.08	1/4	3,106.09	1/4	2,762.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,764.53	1/2	4,452.55	1/2	4,128.44	1/2	3,786.90	1/2	3,442.91	1/2	3,098.92	1/2	2,754.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,757.42	3/4	4,445.98	3/4	4,121.46	3/4	3,779.74	3/4	3,435.74	3/4	3,091.75	3/4	2,747.70
<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>4,750.31</b>	<b>10</b>	<b>4,439.41</b>	<b>10</b>	<b>4,114.47</b>	<b>10</b>	<b>3,772.57</b>	<b>10</b>	<b>3,428.58</b>	<b>10</b>	<b>3,084.59</b>	<b>10</b>	<b>2,740.53</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,743.20	1/4	4,432.84	1/4	4,107.49	1/4	3,765.40	1/4	3,421.41	1/4	3,077.42	1/4	2,733.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,736.09	1/2	4,426.28	1/2	4,100.51	1/2	3,758.24	1/2	3,414.24	1/2	3,070.25	1/2	2,726.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,728.98	3/4	4,419.67	3/4	4,093.50	3/4	3,751.07	3/4	3,407.08	3/4	3,063.09	3/4	2,719.01
<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>4,721.87</b>	<b>11</b>	<b>4,413.07</b>	<b>11</b>	<b>4,086.49</b>	<b>11</b>	<b>3,743.90</b>	<b>11</b>	<b>3,399.91</b>	<b>11</b>	<b>3,055.92</b>	<b>11</b>	<b>2,711.84</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,714.76	1/4	4,406.47	1/4	4,079.48	1/4	3,736.74	1/4	3,392.75	1/4	3,048.75	1/4	2,704.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,707.66	1/2	4,399.86	1/2	4,072.47	1/2	3,729.57	1/2	3,385.58	1/2	3,041.59	1/2	2,697.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,701.22	3/4	4,393.23	3/4	4,065.42	3/4	3,722.40	3/4	3,378.41	3/4	3,034.42	3/4	2,690.33

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 40'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "KIRBY 27732"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 329"

GAUGE HEIGHT 16'-09 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,338.98	0	1,994.79	0	1,656.40	0	1,312.15	0	968.06	0	624.11	0	279.87	0		0		0	
1/4	2,331.81	1/4	1,987.62	1/4	1,649.23	1/4	1,304.98	1/4	960.90	1/4	616.94	1/4	272.70	1/4	1/4	1/4		1/4	1/4
1/2	2,324.64	1/2	1,980.45	1/2	1,642.06	1/2	1,297.81	1/2	953.74	1/2	609.77	1/2	265.52	1/2	1/2	1/2		1/2	1/2
3/4	2,317.47	3/4	1,973.79	3/4	1,634.89	3/4	1,290.64	3/4	946.58	3/4	602.59	3/4	258.35	3/4	3/4	3/4		3/4	3/4
1	2,310.30	1	1,967.13	1	1,627.72	1	1,283.46	1	939.43	1	595.42	1	251.18	1	1	1		1	1
1/4	2,303.13	1/4	1,960.47	1/4	1,620.54	1/4	1,276.29	1/4	932.27	1/4	588.25	1/4	244.01	1/4	1/4	1/4		1/4	1/4
1/2	2,295.95	1/2	1,953.80	1/2	1,613.37	1/2	1,269.12	1/2	925.11	1/2	581.08	1/2	236.84	1/2	1/2	1/2		1/2	1/2
3/4	2,288.78	3/4	1,947.31	3/4	1,606.20	3/4	1,261.95	3/4	917.95	3/4	573.91	3/4	229.67	3/4	3/4	3/4		3/4	3/4
2	2,281.61	2	1,940.82	2	1,599.03	2	1,254.78	2	910.79	2	566.74	2	222.49	2	2	2		2	2
1/4	2,274.44	1/4	1,934.33	1/4	1,591.86	1/4	1,247.60	1/4	903.63	1/4	559.56	1/4	215.32	1/4	1/4	1/4		1/4	1/4
1/2	2,267.27	1/2	1,927.84	1/2	1,584.68	1/2	1,240.43	1/2	896.47	1/2	552.39	1/2	208.15	1/2	1/2	1/2		1/2	1/2
3/4	2,260.10	3/4	1,920.86	3/4	1,577.51	3/4	1,233.26	3/4	889.31	3/4	545.22	3/4	200.98	3/4	3/4	3/4		3/4	3/4
3	2,252.93	3	1,913.88	3	1,570.34	3	1,226.09	3	882.15	3	538.05	3	193.81	3	3	3		3	3
1/4	2,245.76	1/4	1,906.91	1/4	1,563.17	1/4	1,218.92	1/4	874.99	1/4	530.88	1/4	186.64	1/4	1/4	1/4		1/4	1/4
1/2	2,238.59	1/2	1,899.93	1/2	1,556.00	1/2	1,211.75	1/2	867.84	1/2	523.71	1/2	179.46	1/2	1/2	1/2		1/2	1/2
3/4	2,231.42	3/4	1,892.80	3/4	1,548.82	3/4	1,204.57	3/4	860.68	3/4	516.53	3/4	172.29	3/4	3/4	3/4		3/4	3/4
4	2,224.25	4	1,885.66	4	1,541.65	4	1,197.40	4	853.52	4	509.36	4	165.12	4	4	4		4	4
1/4	2,217.08	1/4	1,878.52	1/4	1,534.48	1/4	1,190.23	1/4	846.36	1/4	502.19	1/4	157.95	1/4	1/4	1/4		1/4	1/4
1/2	2,209.91	1/2	1,871.39	1/2	1,527.31	1/2	1,183.06	1/2	839.20	1/2	495.02	1/2	150.78	1/2	1/2	1/2		1/2	1/2
3/4	2,202.74	3/4	1,864.25	3/4	1,520.14	3/4	1,175.89	3/4	832.04	3/4	487.85	3/4	143.61	3/4	3/4	3/4		3/4	3/4
5	2,195.57	5	1,857.11	5	1,512.97	5	1,168.71	5	824.88	5	480.68	5	136.44	5	5	5		5	5
1/4	2,188.40	1/4	1,849.98	1/4	1,505.79	1/4	1,161.54	1/4	817.72	1/4	473.50	1/4	129.26	1/4	1/4	1/4		1/4	1/4
1/2	2,181.23	1/2	1,842.84	1/2	1,498.62	1/2	1,154.37	1/2	810.56	1/2	466.33	1/2	122.09	1/2	1/2	1/2		1/2	1/2
3/4	2,174.06	3/4	1,835.68	3/4	1,491.45	3/4	1,147.20	3/4	803.39	3/4	459.16	3/4	114.93	3/4	3/4	3/4		3/4	3/4
6	2,166.89	6	1,828.51	6	1,484.28	6	1,140.03	6	796.23	6	451.99	6	107.77	6	6	6		6	6
1/4	2,159.72	1/4	1,821.35	1/4	1,477.11	1/4	1,132.85	1/4	789.06	1/4	444.82	1/4	100.60	1/4	1/4	1/4		1/4	1/4
1/2	2,152.54	1/2	1,814.18	1/2	1,469.93	1/2	1,125.68	1/2	781.89	1/2	437.65	1/2	93.44	1/2	1/2	1/2		1/2	1/2
3/4	2,145.37	3/4	1,807.01	3/4	1,462.76	3/4	1,118.51	3/4	774.72	3/4	430.47	3/4	86.30	3/4	3/4	3/4		3/4	3/4
7	2,138.20	7	1,799.84	7	1,455.59	7	1,111.34	7	767.54	7	423.30	7	79.15	7	7	7		7	7
1/4	2,131.03	1/4	1,792.67	1/4	1,448.42	1/4	1,104.17	1/4	760.37	1/4	416.13	1/4	72.01	1/4	1/4	1/4		1/4	1/4
1/2	2,123.86	1/2	1,785.50	1/2	1,441.25	1/2	1,096.99	1/2	753.20	1/2	408.96	1/2	64.87	1/2	1/2	1/2		1/2	1/2
3/4	2,116.69	3/4	1,778.33	3/4	1,434.07	3/4	1,089.83	3/4	746.03	3/4	401.79	3/4	58.38	3/4	3/4	3/4		3/4	3/4
8	2,109.52	8	1,771.15	8	1,426.90	8	1,082.66	8	738.86	8	394.62	8	51.89	8	8	8		8	8
1/4	2,102.35	1/4	1,763.98	1/4	1,419.73	1/4	1,075.49	1/4	731.68	1/4	387.44	1/4	45.40	1/4	1/4	1/4		1/4	1/4
1/2	2,095.18	1/2	1,756.81	1/2	1,412.56	1/2	1,068.32	1/2	724.51	1/2	380.27	1/2	38.91	1/2	1/2	1/2		1/2	1/2
3/4	2,088.01	3/4	1,749.64	3/4	1,405.39	3/4	1,061.16	3/4	717.34	3/4	373.10	3/4	33.98	3/4	3/4	3/4		3/4	3/4
9	2,080.84	9	1,742.47	9	1,398.21	9	1,053.99	9	710.17	9	365.93	9	29.05	9	9	9		9	9
1/4	2,073.67	1/4	1,735.29	1/4	1,391.04	1/4	1,046.82	1/4	703.00	1/4	358.76	1/4	24.12	1/4	1/4	1/4		1/4	1/4
1/2	2,066.50	1/2	1,728.12	1/2	1,383.87	1/2	1,039.66	1/2	695.83	1/2	351.58	1/2	19.19	1/2	1/2	1/2		1/2	1/2
3/4	2,059.33	3/4	1,720.95	3/4	1,376.70	3/4	1,032.50	3/4	688.65	3/4	344.41	3/4		3/4	3/4	3/4		3/4	3/4
10	2,052.16	10	1,713.78	10	1,369.53	10	1,025.34	10	681.48	10	337.24	10		10	10	10		10	10
1/4	2,044.99	1/4	1,706.61	1/4	1,362.36	1/4	1,018.18	1/4	674.31	1/4	330.07	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,037.82	1/2	1,699.43	1/2	1,355.18	1/2	1,011.02	1/2	667.14	1/2	322.90	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,030.65	3/4	1,692.26	3/4	1,348.01	3/4	1,003.86	3/4	659.97	3/4	315.73	3/4		3/4	3/4	3/4		3/4	3/4
11	2,023.48	11	1,685.09	11	1,340.84	11	996.70	11	652.80	11	308.55	11		11	11	11		11	11
1/4	2,016.31	1/4	1,677.92	1/4	1,333.67	1/4	989.54	1/4	645.62	1/4	301.38	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,009.13	1/2	1,670.75	1/2	1,326.50	1/2	982.38	1/2	638.45	1/2	294.21	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,001.96	3/4	1,663.57	3/4	1,319.32	3/4	975.22	3/4	631.28	3/4	287.04	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/18/2014 PMA  
RECALCULATED: 08/01/2019  
NAME CHANGE: 08/01/2019

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2019

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



# BARGE "KIRBY 27732"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 329"

GAUGE HEIGHT 16'-09 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	4,333.96	0	4,159.51	0	3,973.61	0	3,779.03	0	3,549.04	0	3,187.04	0	2,824.32
1/4		1/4		1/4		1/4	4,330.32	1/4	4,155.75	1/4	3,969.61	1/4	3,774.97	1/4	3,541.50	1/4	3,179.49	1/4	2,816.77
1/2		1/2		1/2		1/2	4,326.68	1/2	4,151.98	1/2	3,965.61	1/2	3,770.90	1/2	3,533.96	1/2	3,171.93	1/2	2,809.21
3/4		3/4		3/4		3/4	4,323.03	3/4	4,148.22	3/4	3,961.61	3/4	3,766.84	3/4	3,526.43	3/4	3,164.37	3/4	2,801.65
1		1		1		1	4,319.50	1	4,144.44	1	3,957.60	1	3,762.77	1	3,518.89	1	3,156.82	1	2,794.09
1/4		1/4		1/4		1/4	4,315.97	1/4	4,140.67	1/4	3,953.58	1/4	3,758.71	1/4	3,511.36	1/4	3,149.26	1/4	2,786.53
1/2		1/2		1/2		1/2	4,312.44	1/2	4,136.89	1/2	3,949.56	1/2	3,754.64	1/2	3,503.82	1/2	3,141.71	1/2	2,778.98
3/4		3/4		3/4		3/4	4,308.91	3/4	4,133.11	3/4	3,945.54	3/4	3,750.58	3/4	3,496.29	3/4	3,134.15	3/4	2,771.42
2		2		2		2	4,305.37	2	4,129.31	2	3,941.50	2	3,746.51	2	3,488.75	2	3,126.60	2	2,763.86
1/4		1/4		1/4		1/4	4,301.82	1/4	4,125.51	1/4	3,937.47	1/4	3,742.44	1/4	3,481.22	1/4	3,119.04	1/4	2,756.30
1/2		1/2		1/2		1/2	4,298.28	1/2	4,121.72	1/2	3,933.43	1/2	3,738.38	1/2	3,473.68	1/2	3,111.49	1/2	2,748.74
3/4		3/4		3/4		3/4	4,294.73	3/4	4,117.92	3/4	3,929.40	3/4	3,734.31	3/4	3,466.15	3/4	3,103.93	3/4	2,741.19
3		3		3		3	4,291.16	3	4,114.10	3	3,925.34	3	3,730.25	3	3,458.62	3	3,096.38	3	2,733.63
1/4		1/4		1/4		1/4	4,287.60	1/4	4,110.29	1/4	3,921.29	1/4	3,726.18	1/4	3,451.08	1/4	3,088.82	1/4	2,726.07
1/2		1/2		1/2		1/2	4,284.03	1/2	4,106.47	1/2	3,917.23	1/2	3,722.12	1/2	3,443.55	1/2	3,081.27	1/2	2,718.51
3/4		3/4		3/4		3/4	4,280.46	3/4	4,102.66	3/4	3,913.18	3/4	3,718.05	3/4	3,436.01	3/4	3,073.71	3/4	2,710.95
4		4		4		4	4,276.88	4	4,098.83	4	3,909.12	4	3,713.99	4	3,428.48	4	3,066.16	4	2,703.40
1/4		1/4		1/4		1/4	4,273.29	1/4	4,094.99	1/4	3,905.05	1/4	3,709.92	1/4	3,420.94	1/4	3,058.60	1/4	2,695.84
1/2		1/2		1/2		1/2	4,269.71	1/2	4,091.16	1/2	3,900.99	1/2	3,705.86	1/2	3,413.41	1/2	3,051.05	1/2	2,688.28
3/4		3/4		3/4		3/4	4,266.12	3/4	4,087.33	3/4	3,896.93	3/4	3,701.79	3/4	3,405.87	3/4	3,043.49	3/4	2,680.72
5		5		5		5	4,262.52	5	4,083.47	5	3,892.86	5	3,697.73	5	3,398.34	5	3,035.93	5	2,673.16
1/4		1/4		1/4		1/4	4,258.91	1/4	4,079.62	1/4	3,888.80	1/4	3,693.66	1/4	3,390.80	1/4	3,028.38	1/4	2,665.61
1/2		1/2		1/2		1/2	4,255.31	1/2	4,075.77	1/2	3,884.73	1/2	3,689.60	1/2	3,383.27	1/2	3,020.82	1/2	2,658.05
3/4		3/4		3/4		3/4	4,251.71	3/4	4,071.92	3/4	3,880.67	3/4	3,685.53	3/4	3,375.74	3/4	3,013.27	3/4	2,650.49
6		6		6		6	4,248.08	6	4,068.05	6	3,876.60	6	3,681.47	6	3,368.20	6	3,005.71	6	2,642.93
1/4		1/4		1/4		1/4	4,244.46	1/4	4,064.18	1/4	3,872.53	1/4	3,677.40	1/4	3,360.67	1/4	2,998.16	1/4	2,635.36
1/2		1/2		1/2		1/2	4,240.84	1/2	4,060.30	1/2	3,868.47	1/2	3,673.33	1/2	3,353.13	1/2	2,990.60	1/2	2,627.80
3/4		3/4		3/4	4,412.84	3/4	4,237.22	3/4	4,056.43	3/4	3,864.40	3/4	3,669.27	3/4	3,345.60	3/4	2,983.04	3/4	2,620.24
7		7		7	4,409.95	7	4,233.58	7	4,052.53	7	3,860.34	7	3,665.20	7	3,338.06	7	2,975.48	7	2,612.67
1/4		1/4		1/4	4,407.06	1/4	4,229.94	1/4	4,048.63	1/4	3,856.27	1/4	3,661.14	1/4	3,330.53	1/4	2,967.93	1/4	2,605.11
1/2		1/2		1/2	4,404.17	1/2	4,226.30	1/2	4,044.72	1/2	3,852.21	1/2	3,657.07	1/2	3,322.99	1/2	2,960.37	1/2	2,597.54
3/4		3/4		3/4	4,401.28	3/4	4,222.66	3/4	4,040.82	3/4	3,848.14	3/4	3,653.01	3/4	3,315.46	3/4	2,952.81	3/4	2,589.98
8		8		8	4,397.44	8	4,218.98	8	4,036.90	8	3,844.08	8	3,648.94	8	3,307.91	8	2,945.25	8	2,582.41
1/4		1/4		1/4	4,393.60	1/4	4,215.31	1/4	4,032.97	1/4	3,840.01	1/4	3,644.88	1/4	3,300.36	1/4	2,937.69	1/4	2,574.85
1/2		1/2		1/2	4,389.76	1/2	4,211.63	1/2	4,029.05	1/2	3,835.95	1/2	3,640.81	1/2	3,292.81	1/2	2,930.14	1/2	2,567.28
3/4		3/4		3/4	4,385.92	3/4	4,207.95	3/4	4,025.13	3/4	3,831.88	3/4	3,636.75	3/4	3,285.26	3/4	2,922.58	3/4	2,559.72
9		9		9	4,381.90	9	4,204.25	9	4,021.19	9	3,827.82	9	3,631.37	9	3,277.70	9	2,915.02	9	2,552.15
1/4		1/4		1/4	4,377.87	1/4	4,200.54	1/4	4,017.24	1/4	3,823.75	1/4	3,625.98	1/4	3,270.15	1/4	2,907.46	1/4	2,544.59
1/2		1/2		1/2	4,373.85	1/2	4,196.84	1/2	4,013.30	1/2	3,819.69	1/2	3,620.60	1/2	3,262.59	1/2	2,899.90	1/2	2,537.02
3/4		3/4		3/4	4,369.82	3/4	4,193.14	3/4	4,009.36	3/4	3,815.62	3/4	3,615.22	3/4	3,255.04	3/4	2,892.35	3/4	2,529.46
10		10		10	4,365.79	10	4,189.41	10	4,005.40	10	3,811.56	10	3,608.11	10	3,247.48	10	2,884.79	10	2,521.92
1/4		1/4		1/4	4,361.77	1/4	4,185.69	1/4	4,001.44	1/4	3,807.49	1/4	3,600.99	1/4	3,239.93	1/4	2,877.23	1/4	2,514.38
1/2		1/2		1/2	4,357.74	1/2	4,181.97	1/2	3,997.48	1/2	3,803.42	1/2	3,593.88	1/2	3,232.37	1/2	2,869.67	1/2	2,506.84
3/4		3/4		3/4	4,353.71	3/4	4,178.24	3/4	3,993.52	3/4	3,799.36	3/4	3,586.76	3/4	3,224.82	3/4	2,862.11	3/4	2,499.31
11		11		11	4,349.69	11	4,174.50	11	3,989.54	11	3,795.29	11	3,579.21	11	3,217.26	11	2,854.56	11	2,491.78
1/4		1/4		1/4	4,345.66	1/4	4,170.76	1/4	3,985.57	1/4	3,791.23	1/4	3,571.67	1/4	3,209.71	1/4	2,847.00	1/4	2,484.25
1/2		1/2		1/2	4,341.64	1/2	4,167.01	1/2	3,981.59	1/2	3,787.16	1/2	3,564.12	1/2	3,202.15	1/2	2,839.44	1/2	2,476.73
3/4		3/4		3/4	4,337.61	3/4	4,163.27	3/4	3,977.61	3/4	3,783.10	3/4	3,556.58	3/4	3,194.60	3/4	2,831.88	3/4	2,469.20

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 43'-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 27732"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 329"

GAUGE HEIGHT 16'-09 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,461.67	0	2,100.97	0	1,745.45	0	1,382.25	0	1,024.33	0	666.53	0	303.16	0		0		0	
1/4	2,454.15	1/4	2,093.47	1/4	1,737.88	1/4	1,374.68	1/4	1,017.00	1/4	658.96	1/4	295.59	1/4	1/4	1/4		1/4	
1/2	2,446.62	1/2	2,085.96	1/2	1,730.32	1/2	1,367.11	1/2	1,009.66	1/2	651.39	1/2	288.02	1/2	1/2	1/2		1/2	
3/4	2,439.09	3/4	2,078.46	3/4	1,722.75	3/4	1,359.55	3/4	1,002.32	3/4	643.82	3/4	280.45	3/4	3/4	3/4		3/4	
1	2,431.57	1	2,071.50	1	1,715.18	1	1,351.98	1	994.98	1	636.25	1	272.88	1	1	1		1	
1/4	2,424.04	1/4	2,064.53	1/4	1,707.62	1/4	1,344.41	1/4	987.65	1/4	628.68	1/4	265.31	1/4	1/4	1/4		1/4	
1/2	2,416.51	1/2	2,057.57	1/2	1,700.05	1/2	1,336.85	1/2	980.31	1/2	621.11	1/2	257.74	1/2	1/2	1/2		1/2	
3/4	2,408.99	3/4	2,050.60	3/4	1,692.48	3/4	1,329.28	3/4	972.97	3/4	613.54	3/4	250.18	3/4	3/4	3/4		3/4	
2	2,401.46	2	2,043.82	2	1,684.92	2	1,321.71	2	965.63	2	605.97	2	242.60	2	2	2		2	
1/4	2,393.93	1/4	2,037.03	1/4	1,677.35	1/4	1,314.15	1/4	958.30	1/4	598.39	1/4	235.03	1/4	1/4	1/4		1/4	
1/2	2,386.41	1/2	2,030.25	1/2	1,669.78	1/2	1,306.58	1/2	950.96	1/2	590.82	1/2	227.46	1/2	1/2	1/2		1/2	
3/4	2,378.88	3/4	2,023.46	3/4	1,662.22	3/4	1,299.01	3/4	943.62	3/4	583.25	3/4	219.89	3/4	3/4	3/4		3/4	
3	2,371.35	3	2,016.16	3	1,654.65	3	1,291.45	3	936.28	3	575.68	3	212.32	3	3	3		3	
1/4	2,363.83	1/4	2,008.86	1/4	1,647.08	1/4	1,283.88	1/4	928.95	1/4	568.11	1/4	204.75	1/4	1/4	1/4		1/4	
1/2	2,356.30	1/2	2,001.57	1/2	1,639.52	1/2	1,276.31	1/2	921.61	1/2	560.54	1/2	197.18	1/2	1/2	1/2		1/2	
3/4	2,348.77	3/4	1,994.27	3/4	1,631.95	3/4	1,268.75	3/4	914.27	3/4	552.97	3/4	189.61	3/4	3/4	3/4		3/4	
4	2,341.24	4	1,986.80	4	1,624.38	4	1,261.18	4	906.93	4	545.40	4	182.04	4	4	4		4	
1/4	2,333.72	1/4	1,979.33	1/4	1,616.82	1/4	1,253.61	1/4	899.60	1/4	537.83	1/4	174.47	1/4	1/4	1/4		1/4	
1/2	2,326.19	1/2	1,971.86	1/2	1,609.25	1/2	1,246.05	1/2	892.26	1/2	530.26	1/2	166.89	1/2	1/2	1/2		1/2	
3/4	2,318.66	3/4	1,964.39	3/4	1,601.68	3/4	1,238.48	3/4	884.92	3/4	522.69	3/4	159.32	3/4	3/4	3/4		3/4	
5	2,311.14	5	1,956.93	5	1,594.12	5	1,230.91	5	877.58	5	515.12	5	151.75	5	5	5		5	
1/4	2,303.61	1/4	1,949.46	1/4	1,586.55	1/4	1,223.35	1/4	870.25	1/4	507.54	1/4	144.18	1/4	1/4	1/4		1/4	
1/2	2,296.08	1/2	1,941.99	1/2	1,578.98	1/2	1,215.78	1/2	862.91	1/2	499.97	1/2	136.61	1/2	1/2	1/2		1/2	
3/4	2,288.56	3/4	1,934.52	3/4	1,571.42	3/4	1,208.21	3/4	855.57	3/4	492.40	3/4	129.04	3/4	3/4	3/4		3/4	
6	2,281.05	6	1,926.98	6	1,563.85	6	1,200.80	6	848.06	6	484.83	6	121.47	6	6	6		6	
1/4	2,273.54	1/4	1,919.43	1/4	1,556.28	1/4	1,193.39	1/4	840.55	1/4	477.26	1/4	113.90	1/4	1/4	1/4		1/4	
1/2	2,266.03	1/2	1,911.89	1/2	1,548.72	1/2	1,185.99	1/2	833.03	1/2	469.69	1/2	106.33	1/2	1/2	1/2		1/2	
3/4	2,258.52	3/4	1,904.35	3/4	1,541.15	3/4	1,178.58	3/4	825.52	3/4	462.12	3/4	98.77	3/4	3/4	3/4		3/4	
7	2,251.02	7	1,896.78	7	1,533.58	7	1,171.22	7	817.95	7	454.55	7	91.22	7	7	7		7	
1/4	2,243.52	1/4	1,889.22	1/4	1,526.01	1/4	1,163.86	1/4	810.38	1/4	446.98	1/4	83.66	1/4	1/4	1/4		1/4	
1/2	2,236.01	1/2	1,881.65	1/2	1,518.45	1/2	1,156.51	1/2	802.81	1/2	439.41	1/2	76.11	1/2	1/2	1/2		1/2	
3/4	2,228.51	3/4	1,874.08	3/4	1,510.88	3/4	1,149.15	3/4	795.24	3/4	431.84	3/4	68.56	3/4	3/4	3/4		3/4	
8	2,221.01	8	1,866.52	8	1,503.31	8	1,141.80	8	787.67	8	424.27	8	61.70	8	8	8		8	
1/4	2,213.51	1/4	1,858.95	1/4	1,495.75	1/4	1,134.45	1/4	780.10	1/4	416.70	1/4	54.84	1/4	1/4	1/4		1/4	
1/2	2,206.00	1/2	1,851.38	1/2	1,488.18	1/2	1,127.11	1/2	772.53	1/2	409.13	1/2	47.98	1/2	1/2	1/2		1/2	
3/4	2,198.50	3/4	1,843.82	3/4	1,480.61	3/4	1,119.76	3/4	764.95	3/4	401.57	3/4	41.12	3/4	3/4	3/4		3/4	
9	2,191.00	9	1,836.25	9	1,473.05	9	1,112.41	9	757.38	9	394.00	9	35.90	9	9	9		9	
1/4	2,183.50	1/4	1,828.68	1/4	1,465.48	1/4	1,105.07	1/4	749.81	1/4	386.43	1/4	30.69	1/4	1/4	1/4		1/4	
1/2	2,175.99	1/2	1,821.12	1/2	1,457.91	1/2	1,097.72	1/2	742.24	1/2	378.86	1/2	25.48	1/2	1/2	1/2		1/2	
3/4	2,168.49	3/4	1,813.55	3/4	1,450.35	3/4	1,090.38	3/4	734.67	3/4	371.29	3/4	20.27	3/4	3/4	3/4		3/4	
10	2,160.99	10	1,805.98	10	1,442.78	10	1,083.04	10	727.10	10	363.72	10		10	10	10		10	
1/4	2,153.49	1/4	1,798.42	1/4	1,435.21	1/4	1,075.70	1/4	719.53	1/4	356.15	1/4		1/4	1/4	1/4		1/4	
1/2	2,145.98	1/2	1,790.85	1/2	1,427.65	1/2	1,068.36	1/2	711.96	1/2	348.58	1/2		1/2	1/2	1/2		1/2	
3/4	2,138.48	3/4	1,783.28	3/4	1,420.08	3/4	1,061.02	3/4	704.39	3/4	341.01	3/4		3/4	3/4	3/4		3/4	
11	2,130.98	11	1,775.72	11	1,412.51	11	1,053.68	11	696.82	11	333.44	11		11	11	11		11	
1/4	2,123.48	1/4	1,768.15	1/4	1,404.95	1/4	1,046.35	1/4	689.25	1/4	325.87	1/4		1/4	1/4	1/4		1/4	
1/2	2,115.97	1/2	1,760.58	1/2	1,397.38	1/2	1,039.01	1/2	681.67	1/2	318.30	1/2		1/2	1/2	1/2		1/2	
3/4	2,108.47	3/4	1,753.02	3/4	1,389.81	3/4	1,031.67	3/4	674.10	3/4	310.73	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/18/2014 PMA  
RECALCULATED: 08/01/2019  
NAME CHANGE: 08/01/2019

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2019

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



# BARGE "KIRBY 27732"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 329"

GAUGE HEIGHT 16'-10"

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
							4,358.48		4,184.32		3,998.83		3,804.48		3,578.06		3,215.30		2,851.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,354.84	1/4	4,180.56	1/4	3,994.83	1/4	3,800.41	1/4	3,570.50	1/4	3,207.73	1/4	2,844.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,351.20	1/2	4,176.80	1/2	3,990.84	1/2	3,796.35	1/2	3,562.95	1/2	3,200.16	1/2	2,836.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,347.56	3/4	4,173.04	3/4	3,986.84	3/4	3,792.29	3/4	3,555.40	3/4	3,192.59	3/4	2,829.09
<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>4,343.92</b>	<b>1</b>	<b>4,169.29</b>	<b>1</b>	<b>3,982.85</b>	<b>1</b>	<b>3,788.23</b>	<b>1</b>	<b>3,547.85</b>	<b>1</b>	<b>3,185.02</b>	<b>1</b>	<b>2,821.52</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,340.39	1/4	4,165.51	1/4	3,978.83	1/4	3,784.17	1/4	3,540.30	1/4	3,177.45	1/4	2,813.94
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,336.86	1/2	4,161.74	1/2	3,974.82	1/2	3,780.10	1/2	3,532.75	1/2	3,169.88	1/2	2,806.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,333.34	3/4	4,157.96	3/4	3,970.80	3/4	3,776.04	3/4	3,525.20	3/4	3,162.30	3/4	2,798.79
<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>4,329.81</b>	<b>2</b>	<b>4,154.18</b>	<b>2</b>	<b>3,966.79</b>	<b>2</b>	<b>3,771.98</b>	<b>2</b>	<b>3,517.65</b>	<b>2</b>	<b>3,154.73</b>	<b>2</b>	<b>2,791.22</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,326.27	1/4	4,150.39	1/4	3,962.75	1/4	3,767.92	1/4	3,510.10	1/4	3,147.16	1/4	2,783.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,322.73	1/2	4,146.60	1/2	3,958.72	1/2	3,763.86	1/2	3,502.55	1/2	3,139.59	1/2	2,776.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,319.19	3/4	4,142.80	3/4	3,954.69	3/4	3,759.79	3/4	3,495.00	3/4	3,132.02	3/4	2,768.50
<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>4,315.64</b>	<b>3</b>	<b>4,139.01</b>	<b>3</b>	<b>3,950.65</b>	<b>3</b>	<b>3,755.73</b>	<b>3</b>	<b>3,487.45</b>	<b>3</b>	<b>3,124.45</b>	<b>3</b>	<b>2,760.92</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,312.08	1/4	4,135.20	1/4	3,946.60	1/4	3,751.67	1/4	3,479.89	1/4	3,116.88	1/4	2,753.35
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,308.52	1/2	4,131.39	1/2	3,942.55	1/2	3,747.61	1/2	3,472.34	1/2	3,109.30	1/2	2,745.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,304.96	3/4	4,127.58	3/4	3,938.50	3/4	3,743.55	3/4	3,464.79	3/4	3,101.73	3/4	2,738.20
<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4,301.39</b>	<b>4</b>	<b>4,123.76</b>	<b>4</b>	<b>3,934.45</b>	<b>4</b>	<b>3,739.49</b>	<b>4</b>	<b>3,457.24</b>	<b>4</b>	<b>3,094.16</b>	<b>4</b>	<b>2,730.63</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,297.81	1/4	4,119.94	1/4	3,930.39	1/4	3,735.42	1/4	3,449.69	1/4	3,086.59	1/4	2,723.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,294.23	1/2	4,116.11	1/2	3,926.33	1/2	3,731.36	1/2	3,442.14	1/2	3,079.02	1/2	2,715.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,290.65	3/4	4,112.28	3/4	3,922.27	3/4	3,727.30	3/4	3,434.59	3/4	3,071.45	3/4	2,707.90
<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>4,287.07</b>	<b>5</b>	<b>4,108.45</b>	<b>5</b>	<b>3,918.21</b>	<b>5</b>	<b>3,723.24</b>	<b>5</b>	<b>3,427.04</b>	<b>5</b>	<b>3,063.88</b>	<b>5</b>	<b>2,700.33</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,283.47	1/4	4,104.60	1/4	3,914.15	1/4	3,719.18	1/4	3,419.49	1/4	3,056.31	1/4	2,692.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,279.87	1/2	4,100.75	1/2	3,910.09	1/2	3,715.11	1/2	3,411.94	1/2	3,048.73	1/2	2,685.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,276.27	3/4	4,096.90	3/4	3,906.02	3/4	3,711.05	3/4	3,404.39	3/4	3,041.16	3/4	2,677.61
<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>4,272.67</b>	<b>6</b>	<b>4,093.06</b>	<b>6</b>	<b>3,901.96</b>	<b>6</b>	<b>3,706.99</b>	<b>6</b>	<b>3,396.84</b>	<b>6</b>	<b>3,033.59</b>	<b>6</b>	<b>2,670.03</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,269.05	1/4	4,089.19	1/4	3,897.90	1/4	3,702.93	1/4	3,389.29	1/4	3,026.02	1/4	2,662.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,265.43	1/2	4,085.32	1/2	3,893.84	1/2	3,698.87	1/2	3,381.73	1/2	3,018.44	1/2	2,654.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,261.81	3/4	4,081.45	3/4	3,889.78	3/4	3,694.80	3/4	3,374.18	3/4	3,010.87	3/4	2,647.29
<b>7</b>	<b>7</b>	<b>7</b>	<b>4,433.63</b>	<b>7</b>	<b>4,258.19</b>	<b>7</b>	<b>4,077.58</b>	<b>7</b>	<b>4,077.58</b>	<b>7</b>	<b>3,885.71</b>	<b>7</b>	<b>3,690.74</b>	<b>7</b>	<b>3,366.63</b>	<b>7</b>	<b>3,003.29</b>	<b>7</b>	<b>2,639.71</b>
1/4	1/4	1/4	4,430.74	1/4	4,254.56	1/4	4,073.68	1/4	4,073.68	1/4	3,881.65	1/4	3,686.68	1/4	3,359.08	1/4	2,995.72	1/4	2,632.13
1/2	1/2	1/2	4,427.86	1/2	4,250.92	1/2	4,069.78	1/2	4,069.78	1/2	3,877.59	1/2	3,682.62	1/2	3,351.53	1/2	2,988.15	1/2	2,624.55
3/4	3/4	3/4	4,424.97	3/4	4,247.29	3/4	4,065.88	3/4	4,065.88	3/4	3,873.53	3/4	3,678.56	3/4	3,343.98	3/4	2,980.57	3/4	2,616.97
<b>8</b>	<b>8</b>	<b>8</b>	<b>4,422.09</b>	<b>8</b>	<b>4,243.65</b>	<b>8</b>	<b>4,061.99</b>	<b>8</b>	<b>4,061.99</b>	<b>8</b>	<b>3,869.47</b>	<b>8</b>	<b>3,674.49</b>	<b>8</b>	<b>3,336.43</b>	<b>8</b>	<b>2,973.00</b>	<b>8</b>	<b>2,609.39</b>
1/4	1/4	1/4	4,418.26	1/4	4,239.98	1/4	4,058.07	1/4	4,058.07	1/4	3,865.40	1/4	3,670.43	1/4	3,328.86	1/4	2,965.42	1/4	2,601.81
1/2	1/2	1/2	4,414.42	1/2	4,236.30	1/2	4,054.14	1/2	4,054.14	1/2	3,861.34	1/2	3,666.37	1/2	3,321.30	1/2	2,957.85	1/2	2,594.23
3/4	3/4	3/4	4,410.59	3/4	4,232.63	3/4	4,050.22	3/4	4,050.22	3/4	3,857.28	3/4	3,662.31	3/4	3,313.73	3/4	2,950.27	3/4	2,586.65
<b>9</b>	<b>9</b>	<b>9</b>	<b>4,406.75</b>	<b>9</b>	<b>4,228.95</b>	<b>9</b>	<b>4,046.30</b>	<b>9</b>	<b>4,046.30</b>	<b>9</b>	<b>3,853.22</b>	<b>9</b>	<b>3,658.25</b>	<b>9</b>	<b>3,306.16</b>	<b>9</b>	<b>2,942.70</b>	<b>9</b>	<b>2,579.06</b>
1/4	1/4	1/4	4,402.73	1/4	4,225.26	1/4	4,042.37	1/4	4,042.37	1/4	3,849.16	1/4	3,652.87	1/4	3,298.59	1/4	2,935.13	1/4	2,571.48
1/2	1/2	1/2	4,398.71	1/2	4,221.56	1/2	4,038.43	1/2	4,038.43	1/2	3,845.09	1/2	3,647.49	1/2	3,291.02	1/2	2,927.55	1/2	2,563.90
3/4	3/4	3/4	4,394.68	3/4	4,217.86	3/4	4,034.49	3/4	4,034.49	3/4	3,841.03	3/4	3,642.11	3/4	3,283.45	3/4	2,919.98	3/4	2,556.32
<b>10</b>	<b>10</b>	<b>10</b>	<b>4,390.66</b>	<b>10</b>	<b>4,214.16</b>	<b>10</b>	<b>4,030.55</b>	<b>10</b>	<b>4,030.55</b>	<b>10</b>	<b>3,836.97</b>	<b>10</b>	<b>3,636.73</b>	<b>10</b>	<b>3,275.88</b>	<b>10</b>	<b>2,912.40</b>	<b>10</b>	<b>2,548.74</b>
1/4	1/4	1/4	4,386.64	1/4	4,210.44	1/4	4,026.59	1/4	4,026.59	1/4	3,832.91	1/4	3,629.61	1/4	3,268.30	1/4	2,904.83	1/4	2,541.16
1/2	1/2	1/2	4,382.61	1/2	4,206.72	1/2	4,022.64	1/2	4,022.64	1/2	3,828.85	1/2	3,622.49	1/2	3,260.73	1/2	2,897.26	1/2	2,533.58
3/4	3/4	3/4	4,378.59	3/4	4,203.00	3/4	4,018.68	3/4	4,018.68	3/4	3,824.79	3/4	3,615.38	3/4	3,253.16	3/4	2,889.68	3/4	2,525.99
<b>11</b>	<b>11</b>	<b>11</b>	<b>4,374.57</b>	<b>11</b>	<b>4,199.28</b>	<b>11</b>	<b>4,014.73</b>	<b>11</b>	<b>4,014.73</b>	<b>11</b>	<b>3,820.72</b>	<b>11</b>	<b>3,608.26</b>	<b>11</b>	<b>3,245.59</b>	<b>11</b>	<b>2,882.11</b>	<b>11</b>	<b>2,518.41</b>
1/4	1/4	1/4	4,370.55	1/4	4,195.54	1/4	4,010.75	1/4	4,010.75	1/4	3,816.66	1/4	3,600.71	1/4	3,238.02	1/4	2,874.53	1/4	2,510.83
1/2	1/2	1/2	4,366.52	1/2	4,191.80	1/2	4,006.78	1/2	4,006.78	1/2	3,812.60	1/2	3,593.16	1/2	3,230.45	1/2	2,866.96	1/2	2,503.25
3/4	3/4	3/4	4,362.50	3/4	4,188.06	3/4	4,002.80	3/4	4,002.80	3/4	3,808.54	3/4	3,585.61	3/4	3,222.88	3/4	2,859.39	3/4	2,495.67

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 43'-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 27732"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 329"

GAUGE HEIGHT 16'-10"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	2,480.51	1/4	2,116.60	1/4	1,758.80	1/4	1,394.83	1/4	1,031.04	1/4	667.43	1/4	303.46	1/4		1/4		1/4	
1/2	2,472.92	1/2	2,109.02	1/2	1,751.22	1/2	1,387.24	1/2	1,023.47	1/2	659.85	1/2	295.88	1/2		1/2		1/2	
3/4	2,465.34	3/4	2,101.44	3/4	1,743.63	3/4	1,379.66	3/4	1,015.90	3/4	652.26	3/4	288.30	3/4		3/4		3/4	
1	2,457.76	1	2,093.85	1	1,736.05	1	1,372.08	1	1,008.33	1	644.68	1	280.72	1		1		1	
1/4	2,450.18	1/4	2,086.81	1/4	1,728.47	1/4	1,364.49	1/4	1,000.77	1/4	637.10	1/4	273.13	1/4		1/4		1/4	
1/2	2,442.60	1/2	2,079.77	1/2	1,720.89	1/2	1,356.91	1/2	993.20	1/2	629.52	1/2	265.55	1/2		1/2		1/2	
3/4	2,435.02	3/4	2,072.72	3/4	1,713.30	3/4	1,349.33	3/4	985.63	3/4	621.93	3/4	257.97	3/4		3/4		3/4	
2	2,427.44	2	2,065.68	2	1,705.72	2	1,341.75	2	978.06	2	614.35	2	250.39	2		2		2	
1/4	2,419.85	1/4	2,058.82	1/4	1,698.14	1/4	1,334.16	1/4	970.50	1/4	606.77	1/4	242.80	1/4		1/4		1/4	
1/2	2,412.27	1/2	2,051.95	1/2	1,690.55	1/2	1,326.58	1/2	962.93	1/2	599.19	1/2	235.22	1/2		1/2		1/2	
3/4	2,404.69	3/4	2,045.09	3/4	1,682.97	3/4	1,319.00	3/4	955.36	3/4	591.60	3/4	227.64	3/4		3/4		3/4	
3	2,397.11	3	2,038.22	3	1,675.39	3	1,311.41	3	947.79	3	584.02	3	220.06	3		3		3	
1/4	2,389.53	1/4	2,030.85	1/4	1,667.81	1/4	1,303.83	1/4	940.22	1/4	576.44	1/4	212.47	1/4		1/4		1/4	
1/2	2,381.95	1/2	2,023.47	1/2	1,660.22	1/2	1,296.25	1/2	932.66	1/2	568.85	1/2	204.89	1/2		1/2		1/2	
3/4	2,374.37	3/4	2,016.10	3/4	1,652.64	3/4	1,288.67	3/4	925.09	3/4	561.27	3/4	197.31	3/4		3/4		3/4	
4	2,366.78	4	2,008.72	4	1,645.06	4	1,281.08	4	917.52	4	553.69	4	189.72	4		4		4	
1/4	2,359.20	1/4	2,001.17	1/4	1,637.48	1/4	1,273.50	1/4	909.95	1/4	546.11	1/4	182.14	1/4		1/4		1/4	
1/2	2,351.62	1/2	1,993.62	1/2	1,629.89	1/2	1,265.92	1/2	902.39	1/2	538.52	1/2	174.56	1/2		1/2		1/2	
3/4	2,344.04	3/4	1,986.08	3/4	1,622.31	3/4	1,258.34	3/4	894.82	3/4	530.94	3/4	166.98	3/4		3/4		3/4	
5	2,336.46	5	1,978.53	5	1,614.73	5	1,250.75	5	887.25	5	523.36	5	159.39	5		5		5	
1/4	2,328.88	1/4	1,970.98	1/4	1,607.14	1/4	1,243.17	1/4	879.68	1/4	515.78	1/4	151.81	1/4		1/4		1/4	
1/2	2,321.30	1/2	1,963.43	1/2	1,599.56	1/2	1,235.59	1/2	872.12	1/2	508.19	1/2	144.23	1/2		1/2		1/2	
3/4	2,313.71	3/4	1,955.89	3/4	1,591.98	3/4	1,228.00	3/4	864.55	3/4	500.61	3/4	136.65	3/4		3/4		3/4	
6	2,306.13	6	1,948.34	6	1,584.40	6	1,220.42	6	856.98	6	493.03	6	129.07	6		6		6	
1/4	2,298.55	1/4	1,940.76	1/4	1,576.81	1/4	1,212.84	1/4	849.40	1/4	485.45	1/4	121.49	1/4		1/4		1/4	
1/2	2,290.97	1/2	1,933.19	1/2	1,569.23	1/2	1,205.26	1/2	841.82	1/2	477.86	1/2	113.92	1/2		1/2		1/2	
3/4	2,283.39	3/4	1,925.61	3/4	1,561.65	3/4	1,197.67	3/4	834.24	3/4	470.28	3/4	106.35	3/4		3/4		3/4	
7	2,275.81	7	1,918.04	7	1,554.06	7	1,190.09	7	826.66	7	462.70	7	98.77	7		7		7	
1/4	2,268.23	1/4	1,910.46	1/4	1,546.48	1/4	1,182.51	1/4	819.08	1/4	455.12	1/4	91.22	1/4		1/4		1/4	
1/2	2,260.64	1/2	1,902.87	1/2	1,538.90	1/2	1,174.92	1/2	811.50	1/2	447.53	1/2	83.67	1/2		1/2		1/2	
3/4	2,253.06	3/4	1,895.29	3/4	1,531.32	3/4	1,167.34	3/4	803.92	3/4	439.95	3/4	76.11	3/4		3/4		3/4	
8	2,245.48	8	1,887.71	8	1,523.73	8	1,159.76	8	796.33	8	432.37	8	68.56	8		8		8	
1/4	2,237.90	1/4	1,880.12	1/4	1,516.15	1/4	1,152.18	1/4	788.75	1/4	424.79	1/4	61.70	1/4		1/4		1/4	
1/2	2,230.32	1/2	1,872.54	1/2	1,508.57	1/2	1,144.61	1/2	781.17	1/2	417.20	1/2	54.84	1/2		1/2		1/2	
3/4	2,222.74	3/4	1,864.96	3/4	1,500.98	3/4	1,137.03	3/4	773.59	3/4	409.62	3/4	47.98	3/4		3/4		3/4	
9	2,215.16	9	1,857.38	9	1,493.40	9	1,129.45	9	766.00	9	402.04	9	41.12	9		9		9	
1/4	2,207.58	1/4	1,849.79	1/4	1,485.82	1/4	1,121.88	1/4	758.42	1/4	394.46	1/4	35.90	1/4		1/4		1/4	
1/2	2,199.99	1/2	1,842.21	1/2	1,478.24	1/2	1,114.30	1/2	750.84	1/2	386.87	1/2	30.69	1/2		1/2		1/2	
3/4	2,192.41	3/4	1,834.63	3/4	1,470.65	3/4	1,106.73	3/4	743.25	3/4	379.29	3/4	25.48	3/4		3/4		3/4	
10	2,184.83	10	1,827.05	10	1,463.07	10	1,099.15	10	735.67	10	371.71	10	20.27	10		10		10	
1/4	2,177.25	1/4	1,819.46	1/4	1,455.49	1/4	1,091.58	1/4	728.09	1/4	364.12	1/4		1/4		1/4		1/4	
1/2	2,169.67	1/2	1,811.88	1/2	1,447.91	1/2	1,084.01	1/2	720.51	1/2	356.54	1/2		1/2		1/2		1/2	
3/4	2,162.09	3/4	1,804.30	3/4	1,440.32	3/4	1,076.44	3/4	712.92	3/4	348.96	3/4		3/4		3/4		3/4	
11	2,154.51	11	1,796.71	11	1,432.74	11	1,068.87	11	705.34	11	341.38	11		11		11		11	
1/4	2,146.92	1/4	1,789.13	1/4	1,425.16	1/4	1,061.31	1/4	697.76	1/4	333.79	1/4		1/4		1/4		1/4	
1/2	2,139.34	1/2	1,781.55	1/2	1,417.57	1/2	1,053.74	1/2	690.18	1/2	326.21	1/2		1/2		1/2		1/2	
3/4	2,131.76	3/4	1,773.97	3/4	1,409.99	3/4	1,046.17	3/4	682.59	3/4	318.63	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/18/2014 PMA  
RECALCULATED: 08/01/2019  
NAME CHANGE: 08/01/2019

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2019

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "KIRBY 27732"

# FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "CTCO 329"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	1,625	0	3,250	0	4,875	0	6,501	0	8,126	0	9,751	0		0		0	
1/4	34	1/4	1,659	1/4	3,284	1/4	4,909	1/4	6,534	1/4	8,160	1/4	9,785	1/4		1/4		1/4	
1/2	68	1/2	1,693	1/2	3,318	1/2	4,943	1/2	6,568	1/2	8,193	1/2	9,819	1/2		1/2		1/2	
3/4	102	3/4	1,727	3/4	3,352	3/4	4,977	3/4	6,602	3/4	8,227	3/4	9,852	3/4		3/4		3/4	
1	135	1	1,761	1	3,386	1	5,011	1	6,636	1	8,261	1	9,886	1		1		1	
1/4	169	1/4	1,794	1/4	3,420	1/4	5,045	1/4	6,670	1/4	8,295	1/4	9,920	1/4		1/4		1/4	
1/2	203	1/2	1,828	1/2	3,453	1/2	5,079	1/2	6,704	1/2	8,329	1/2	9,954	1/2		1/2		1/2	
3/4	237	3/4	1,862	3/4	3,487	3/4	5,112	3/4	6,738	3/4	8,363	3/4	9,988	3/4		3/4		3/4	
2	271	2	1,896	2	3,521	2	5,146	2	6,771	2	8,397	2	10,022	2		2		2	
1/4	305	1/4	1,930	1/4	3,555	1/4	5,180	1/4	6,805	1/4	8,430	1/4	10,056	1/4		1/4		1/4	
1/2	339	1/2	1,964	1/2	3,589	1/2	5,214	1/2	6,839	1/2	8,464	1/2	10,089	1/2		1/2		1/2	
3/4	372	3/4	1,998	3/4	3,623	3/4	5,248	3/4	6,873	3/4	8,498	3/4		3/4		3/4		3/4	
3	406	3	2,031	3	3,657	3	5,282	3	6,907	3	8,532	3		3		3		3	
1/4	440	1/4	2,065	1/4	3,690	1/4	5,316	1/4	6,941	1/4	8,566	1/4		1/4		1/4		1/4	
1/2	474	1/2	2,099	1/2	3,724	1/2	5,349	1/2	6,975	1/2	8,600	1/2		1/2		1/2		1/2	
3/4	508	3/4	2,133	3/4	3,758	3/4	5,383	3/4	7,008	3/4	8,634	3/4		3/4		3/4		3/4	
4	542	4	2,167	4	3,792	4	5,417	4	7,042	4	8,667	4		4		4		4	
1/4	576	1/4	2,201	1/4	3,826	1/4	5,451	1/4	7,076	1/4	8,701	1/4		1/4		1/4		1/4	
1/2	609	1/2	2,235	1/2	3,860	1/2	5,485	1/2	7,110	1/2	8,735	1/2		1/2		1/2		1/2	
3/4	643	3/4	2,268	3/4	3,894	3/4	5,519	3/4	7,144	3/4	8,769	3/4		3/4		3/4		3/4	
5	677	5	2,302	5	3,927	5	5,553	5	7,178	5	8,803	5		5		5		5	
1/4	711	1/4	2,336	1/4	3,961	1/4	5,586	1/4	7,212	1/4	8,837	1/4		1/4		1/4		1/4	
1/2	745	1/2	2,370	1/2	3,995	1/2	5,620	1/2	7,245	1/2	8,871	1/2		1/2		1/2		1/2	
3/4	779	3/4	2,404	3/4	4,029	3/4	5,654	3/4	7,279	3/4	8,904	3/4		3/4		3/4		3/4	
6	813	6	2,438	6	4,063	6	5,688	6	7,313	6	8,938	6		6		6		6	
1/4	846	1/4	2,472	1/4	4,097	1/4	5,722	1/4	7,347	1/4	8,972	1/4		1/4		1/4		1/4	
1/2	880	1/2	2,505	1/2	4,131	1/2	5,756	1/2	7,381	1/2	9,006	1/2		1/2		1/2		1/2	
3/4	914	3/4	2,539	3/4	4,164	3/4	5,790	3/4	7,415	3/4	9,040	3/4		3/4		3/4		3/4	
7	948	7	2,573	7	4,198	7	5,823	7	7,449	7	9,074	7		7		7		7	
1/4	982	1/4	2,607	1/4	4,232	1/4	5,857	1/4	7,482	1/4	9,108	1/4		1/4		1/4		1/4	
1/2	1,016	1/2	2,641	1/2	4,266	1/2	5,891	1/2	7,516	1/2	9,141	1/2		1/2		1/2		1/2	
3/4	1,050	3/4	2,675	3/4	4,300	3/4	5,925	3/4	7,550	3/4	9,175	3/4		3/4		3/4		3/4	
8	1,083	8	2,709	8	4,334	8	5,959	8	7,584	8	9,209	8		8		8		8	
1/4	1,117	1/4	2,742	1/4	4,368	1/4	5,993	1/4	7,618	1/4	9,243	1/4		1/4		1/4		1/4	
1/2	1,151	1/2	2,776	1/2	4,401	1/2	6,027	1/2	7,652	1/2	9,277	1/2		1/2		1/2		1/2	
3/4	1,185	3/4	2,810	3/4	4,435	3/4	6,060	3/4	7,686	3/4	9,311	3/4		3/4		3/4		3/4	
9	1,219	9	2,844	9	4,469	9	6,094	9	7,719	9	9,345	9		9		9		9	
1/4	1,253	1/4	2,878	1/4	4,503	1/4	6,128	1/4	7,753	1/4	9,378	1/4		1/4		1/4		1/4	
1/2	1,287	1/2	2,912	1/2	4,537	1/2	6,162	1/2	7,787	1/2	9,412	1/2		1/2		1/2		1/2	
3/4	1,320	3/4	2,946	3/4	4,571	3/4	6,196	3/4	7,821	3/4	9,446	3/4		3/4		3/4		3/4	
10	1,354	10	2,979	10	4,605	10	6,230	10	7,855	10	9,480	10		10		10		10	
1/4	1,388	1/4	3,013	1/4	4,638	1/4	6,264	1/4	7,889	1/4	9,514	1/4		1/4		1/4		1/4	
1/2	1,422	1/2	3,047	1/2	4,672	1/2	6,297	1/2	7,923	1/2	9,548	1/2		1/2		1/2		1/2	
3/4	1,456	3/4	3,081	3/4	4,706	3/4	6,331	3/4	7,956	3/4	9,582	3/4		3/4		3/4		3/4	
11	1,490	11	3,115	11	4,740	11	6,365	11	7,990	11	9,615	11		11		11		11	
1/4	1,524	1/4	3,149	1/4	4,774	1/4	6,399	1/4	8,024	1/4	9,649	1/4		1/4		1/4		1/4	
1/2	1,557	1/2	3,183	1/2	4,808	1/2	6,433	1/2	8,058	1/2	9,683	1/2		1/2		1/2		1/2	
3/4	1,591	3/4	3,216	3/4	4,842	3/4	6,467	3/4	8,092	3/4	9,717	3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.  
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER PIPE.

STRAPPED: 06/18/2014 PMA  
CALCULATED: 06/19/2014 CL  
NAME CHANGE: 08/01/2019

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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