



# BARGE "KIRBY 13020B"

## ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-1/2	- 02-1/2
1 STBD	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-1/2	- 02-1/2
2 PORT	00-1/2	- 00-1/2	01-0/8	- 01-0/8	01-1/2	- 01-1/2	02-0/8	- 02-0/8	02-1/2	- 02-1/2	03-0/8	- 03-0/8
2 STBD	00-1/2	- 00-1/2	01-0/8	- 01-0/8	01-1/2	- 01-1/2	02-0/8	- 02-0/8	02-1/2	- 02-1/2	03-0/8	- 03-0/8

(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 1 PORT IS - 00-7/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 1/8"

LENGTH BETWEEN DRAFT MARKS: 135'-00"

April 10, 2024

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

<http://www.pmacorp.net>



# BARGE "KIRBY 13020B"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

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	3,637.73	0	3,398.58	0	3,142.68	0	2,874.01	0	2,602.88	0	2,331.75	0	2,060.54		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,634.00	1/4	3,393.40	1/4	3,137.21	1/4	2,868.36	1/4	2,597.23	1/4	2,326.11	1/4	2,054.89		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,629.32	1/2	3,388.20	1/2	3,131.71	1/2	2,862.71	1/2	2,591.58	1/2	2,320.46	1/2	2,049.24		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,624.65	3/4	3,382.99	3/4	3,126.22	3/4	2,857.06	3/4	2,585.94	3/4	2,314.81	3/4	2,043.59		
1	1	1	1	1	1	1	3,619.97	1	3,377.79	1	3,120.72	1	2,851.42	1	2,580.29	1	2,309.16	1	2,037.94		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,615.30	1/4	3,372.58	1/4	3,115.23	1/4	2,845.77	1/4	2,574.64	1/4	2,303.51	1/4	2,032.29		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,610.39	1/2	3,367.35	1/2	3,109.71	1/2	2,840.12	1/2	2,568.99	1/2	2,297.86	1/2	2,026.64		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,605.48	3/4	3,362.13	3/4	3,104.19	3/4	2,834.47	3/4	2,563.34	3/4	2,292.21	3/4	2,020.98		
2	2	2	2	2	2	2	3,600.58	2	3,356.90	2	3,098.67	2	2,828.82	2	2,557.69	2	2,286.57	2	2,015.33		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,595.67	1/4	3,351.67	1/4	3,093.15	1/4	2,823.17	1/4	2,552.05	1/4	2,280.92	1/4	2,009.68		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,590.74	1/2	3,346.42	1/2	3,087.61	1/2	2,817.52	1/2	2,546.40	1/2	2,275.27	1/2	2,004.03		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,585.81	3/4	3,341.16	3/4	3,082.07	3/4	2,811.88	3/4	2,540.75	3/4	2,269.62	3/4	1,998.38		
3	3	3	3	3	3	3	3,580.88	3	3,335.91	3	3,076.53	3	2,806.23	3	2,535.10	3	2,263.97	3	1,992.73		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,575.95	1/4	3,330.66	1/4	3,070.98	1/4	2,800.58	1/4	2,529.45	1/4	2,258.32	1/4	1,987.08		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,570.99	1/2	3,325.38	1/2	3,065.42	1/2	2,794.93	1/2	2,523.80	1/2	2,252.67	1/2	1,981.42		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,566.04	3/4	3,320.10	3/4	3,059.85	3/4	2,789.28	3/4	2,518.15	3/4	2,247.03	3/4	1,975.77		
4	4	4	4	4	4	4	3,561.08	4	3,314.83	4	3,054.28	4	2,783.63	4	2,512.51	4	2,241.38	4	1,970.12		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,556.13	1/4	3,309.55	1/4	3,048.72	1/4	2,777.99	1/4	2,506.86	1/4	2,235.73	1/4	1,964.47		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,551.15	1/2	3,304.25	1/2	3,043.13	1/2	2,772.34	1/2	2,501.21	1/2	2,230.08	1/2	1,958.82		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,546.17	3/4	3,298.95	3/4	3,037.53	3/4	2,766.69	3/4	2,495.56	3/4	2,224.43	3/4	1,953.17		
5	5	5	5	5	5	5	3,541.19	5	3,293.65	5	3,031.94	5	2,761.04	5	2,489.91	5	2,218.78	5	1,947.51		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,536.21	1/4	3,288.34	1/4	3,026.35	1/4	2,755.39	1/4	2,484.26	1/4	2,213.14	1/4	1,941.86		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,531.21	1/2	3,283.02	1/2	3,020.74	1/2	2,749.74	1/2	2,478.61	1/2	2,207.48	1/2	1,936.21		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,526.21	3/4	3,277.69	3/4	3,015.12	3/4	2,744.09	3/4	2,472.97	3/4	2,201.83	3/4	1,930.56		
6	6	6	6	6	6	6	3,521.21	6	3,272.37	6	3,009.51	6	2,738.45	6	2,467.32	6	2,196.18	6	1,924.91		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,516.21	1/4	3,267.04	1/4	3,003.89	1/4	2,732.80	1/4	2,461.67	1/4	2,190.53	1/4	1,919.26		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,511.17	1/2	3,261.69	1/2	2,998.25	1/2	2,727.15	1/2	2,456.02	1/2	2,184.88	1/2	1,913.61		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,506.13	3/4	3,256.34	3/4	2,992.61	3/4	2,721.50	3/4	2,450.37	3/4	2,179.23	3/4	1,907.95		
7	7	7	7	7	7	7	3,501.09	7	3,250.99	7	2,986.97	7	2,715.85	7	2,444.72	7	2,173.57	7	1,902.30		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,496.04	1/4	3,245.64	1/4	2,981.34	1/4	2,710.20	1/4	2,439.08	1/4	2,167.92	1/4	1,896.65		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,490.96	1/2	3,240.27	1/2	2,975.69	1/2	2,704.55	1/2	2,433.43	1/2	2,162.27	1/2	1,891.00		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,485.88	3/4	3,234.90	3/4	2,970.04	3/4	2,698.91	3/4	2,427.78	3/4	2,156.62	3/4	1,885.35		
8	8	8	8	8	8	8	3,480.79	8	3,229.52	8	2,964.39	8	2,693.26	8	2,422.13	8	2,150.97	8	1,879.70		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,475.71	1/4	3,224.15	1/4	2,958.74	1/4	2,687.61	1/4	2,416.48	1/4	2,145.32	1/4	1,874.05		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,470.60	1/2	3,218.75	1/2	2,953.09	1/2	2,681.96	1/2	2,410.83	1/2	2,139.67	1/2	1,868.39		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,465.49	3/4	3,213.35	3/4	2,947.44	3/4	2,676.31	3/4	2,405.18	3/4	2,134.01	3/4	1,862.74		
9	9	9	9	9	9	9	3,460.38	9	3,207.96	9	2,941.79	9	2,670.66	9	2,399.54	9	2,128.36	9	1,857.09		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,455.28	1/4	3,202.56	1/4	2,936.14	1/4	2,665.02	1/4	2,393.89	1/4	2,122.71	1/4	1,851.44		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,450.14	1/2	3,197.14	1/2	2,930.49	1/2	2,659.37	1/2	2,388.24	1/2	2,117.06	1/2	1,845.79		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,445.01	3/4	3,191.72	3/4	2,924.85	3/4	2,653.72	3/4	2,382.59	3/4	2,111.41	3/4	1,840.14		
10	10	10	10	10	10	10	3,439.88	10	3,186.29	10	2,919.20	10	2,648.07	10	2,376.94	10	2,105.76	10	1,834.48		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,434.75	1/4	3,180.87	1/4	2,913.55	1/4	2,642.42	1/4	2,371.29	1/4	2,100.11	1/4	1,828.83		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,429.59	1/2	3,175.43	1/2	2,907.90	1/2	2,636.77	1/2	2,365.64	1/2	2,094.45	1/2	1,823.18		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,424.44	3/4	3,169.98	3/4	2,902.25	3/4	2,631.12	3/4	2,360.00	3/4	2,088.80	3/4	1,817.53		
11	11	11	11	11	11	11	3,419.28	11	3,164.53	11	2,896.60	11	2,625.48	11	2,354.35	11	2,083.15	11	1,811.88		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,648.93	1/4	3,414.12	1/4	3,159.09	1/4	2,890.96	1/4	2,619.83	1/4	2,348.70	1/4	2,077.50	1/4	1,806.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,645.20	1/2	3,408.94	1/2	3,153.62	1/2	2,885.31	1/2	2,614.18	1/2	2,343.05	1/2	2,071.85	1/2	1,800.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,641.46	3/4	3,403.76	3/4	3,148.15	3/4	2,879.66	3/4	2,608.53	3/4	2,337.40	3/4	2,066.20	3/4	1,794.92

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 37'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "KIRBY 13020B"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,789.27	0	1,518.00	0	1,246.73	0	975.46	0	705.78	0	434.84	0	163.60	0		0		0	
1/4	1,783.62	1/4	1,512.35	1/4	1,241.08	1/4	969.81	1/4	700.17	1/4	429.19	1/4	157.96	1/4		1/4		1/4	
1/2	1,777.97	1/2	1,506.70	1/2	1,235.43	1/2	964.15	1/2	694.56	1/2	423.54	1/2	152.32	1/2		1/2		1/2	
3/4	1,772.32	3/4	1,501.05	3/4	1,229.77	3/4	958.50	3/4	688.95	3/4	417.89	3/4	146.69	3/4		3/4		3/4	
1	1,766.67	1	1,495.39	1	1,224.12	1	952.85	1	683.33	1	412.24	1	141.05	1		1		1	
1/4	1,761.02	1/4	1,489.74	1/4	1,218.47	1/4	947.20	1/4	677.72	1/4	406.58	1/4	135.41	1/4		1/4		1/4	
1/2	1,755.36	1/2	1,484.09	1/2	1,212.82	1/2	941.55	1/2	672.10	1/2	400.93	1/2	129.79	1/2		1/2		1/2	
3/4	1,749.71	3/4	1,478.44	3/4	1,207.17	3/4	935.90	3/4	666.48	3/4	395.28	3/4	124.16	3/4		3/4		3/4	
2	1,744.06	2	1,472.79	2	1,201.52	2	930.24	2	660.86	2	389.63	2	118.53	2		2		2	
1/4	1,738.41	1/4	1,467.14	1/4	1,195.87	1/4	924.59	1/4	655.24	1/4	383.98	1/4	112.91	1/4		1/4		1/4	
1/2	1,732.76	1/2	1,461.49	1/2	1,190.21	1/2	918.96	1/2	649.59	1/2	378.33	1/2	107.30	1/2		1/2		1/2	
3/4	1,727.11	3/4	1,455.83	3/4	1,184.56	3/4	913.34	3/4	643.94	3/4	372.68	3/4	101.69	3/4		3/4		3/4	
3	1,721.45	3	1,450.18	3	1,178.91	3	907.71	3	638.29	3	367.03	3	96.08	3		3		3	
1/4	1,715.80	1/4	1,444.53	1/4	1,173.26	1/4	902.08	1/4	632.64	1/4	361.37	1/4	90.47	1/4		1/4		1/4	
1/2	1,710.15	1/2	1,438.88	1/2	1,167.61	1/2	896.46	1/2	626.99	1/2	355.72	1/2	84.88	1/2		1/2		1/2	
3/4	1,704.50	3/4	1,433.23	3/4	1,161.96	3/4	890.84	3/4	621.33	3/4	350.07	3/4	79.29	3/4		3/4		3/4	
4	1,698.85	4	1,427.58	4	1,156.30	4	885.22	4	615.68	4	344.42	4	73.71	4		4		4	
1/4	1,693.20	1/4	1,421.93	1/4	1,150.65	1/4	879.60	1/4	610.03	1/4	338.77	1/4	68.12	1/4		1/4		1/4	
1/2	1,687.55	1/2	1,416.27	1/2	1,145.00	1/2	873.99	1/2	604.38	1/2	333.12	1/2	62.57	1/2		1/2		1/2	
3/4	1,681.89	3/4	1,410.62	3/4	1,139.35	3/4	868.39	3/4	598.73	3/4	327.47	3/4	57.02	3/4		3/4		3/4	
5	1,676.24	5	1,404.97	5	1,133.70	5	862.78	5	593.08	5	321.82	5	51.47	5		5		5	
1/4	1,670.59	1/4	1,399.32	1/4	1,128.05	1/4	857.17	1/4	587.43	1/4	316.16	1/4	45.92	1/4		1/4		1/4	
1/2	1,664.94	1/2	1,393.67	1/2	1,122.40	1/2	851.56	1/2	581.78	1/2	310.51	1/2	40.38	1/2		1/2		1/2	
3/4	1,659.29	3/4	1,388.02	3/4	1,116.74	3/4	845.96	3/4	576.12	3/4	304.86	3/4	34.83	3/4		3/4		3/4	
6	1,653.64	6	1,382.36	6	1,111.09	6	840.35	6	570.47	6	299.21	6	29.28	6		6		6	
1/4	1,647.99	1/4	1,376.71	1/4	1,105.44	1/4	834.74	1/4	564.82	1/4	293.56	1/4	23.73	1/4		1/4		1/4	
1/2	1,642.33	1/2	1,371.06	1/2	1,099.79	1/2	829.13	1/2	559.17	1/2	287.91	1/2	18.18	1/2		1/2		1/2	
3/4	1,636.68	3/4	1,365.41	3/4	1,094.14	3/4	823.53	3/4	553.52	3/4	282.26	3/4	12.63	3/4		3/4		3/4	
7	1,631.03	7	1,359.76	7	1,088.49	7	817.92	7	547.87	7	276.60	7	7.08	7		7		7	
1/4	1,625.38	1/4	1,354.11	1/4	1,082.84	1/4	812.31	1/4	542.22	1/4	270.95	1/4	1.53	1/4		1/4		1/4	
1/2	1,619.73	1/2	1,348.46	1/2	1,077.18	1/2	806.71	1/2	536.56	1/2	265.30	1/2		1/2		1/2		1/2	
3/4	1,614.08	3/4	1,342.80	3/4	1,071.53	3/4	801.10	3/4	530.91	3/4	259.65	3/4		3/4		3/4		3/4	
8	1,608.42	8	1,337.15	8	1,065.88	8	795.49	8	525.26	8	254.00	8		8		8		8	
1/4	1,602.77	1/4	1,331.50	1/4	1,060.23	1/4	789.88	1/4	519.61	1/4	248.35	1/4		1/4		1/4		1/4	
1/2	1,597.12	1/2	1,325.85	1/2	1,054.58	1/2	784.28	1/2	513.96	1/2	242.70	1/2		1/2		1/2		1/2	
3/4	1,591.47	3/4	1,320.20	3/4	1,048.93	3/4	778.67	3/4	508.31	3/4	237.05	3/4		3/4		3/4		3/4	
9	1,585.82	9	1,314.55	9	1,043.27	9	773.06	9	502.66	9	231.39	9		9		9		9	
1/4	1,580.17	1/4	1,308.90	1/4	1,037.62	1/4	767.46	1/4	497.01	1/4	225.74	1/4		1/4		1/4		1/4	
1/2	1,574.52	1/2	1,303.24	1/2	1,031.97	1/2	761.85	1/2	491.35	1/2	220.09	1/2		1/2		1/2		1/2	
3/4	1,568.86	3/4	1,297.59	3/4	1,026.32	3/4	756.24	3/4	485.70	3/4	214.44	3/4		3/4		3/4		3/4	
10	1,563.21	10	1,291.94	10	1,020.67	10	750.63	10	480.05	10	208.79	10		10		10		10	
1/4	1,557.56	1/4	1,286.29	1/4	1,015.02	1/4	745.03	1/4	474.40	1/4	203.14	1/4		1/4		1/4		1/4	
1/2	1,551.91	1/2	1,280.64	1/2	1,009.37	1/2	739.42	1/2	468.75	1/2	197.49	1/2		1/2		1/2		1/2	
3/4	1,546.26	3/4	1,274.99	3/4	1,003.71	3/4	733.81	3/4	463.10	3/4	191.84	3/4		3/4		3/4		3/4	
11	1,540.61	11	1,269.33	11	998.06	11	728.21	11	457.45	11	186.19	11		11		11		11	
1/4	1,534.96	1/4	1,263.68	1/4	992.41	1/4	722.60	1/4	451.80	1/4	180.54	1/4		1/4		1/4		1/4	
1/2	1,529.30	1/2	1,258.03	1/2	986.76	1/2	716.99	1/2	446.14	1/2	174.89	1/2		1/2		1/2		1/2	
3/4	1,523.65	3/4	1,252.38	3/4	981.11	3/4	711.38	3/4	440.49	3/4	169.25	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2009 CL - SW  
CALCULATED: 04/21/2009 CL  
VERIFIED: 04/09/2024 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2024

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



# BARGE "KIRBY 13020B"

## 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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0		
							3,642.26		3,401.06		3,144.13		2,874.55		2,602.69		2,330.83		2,059.05		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,637.58	1/4	3,395.84	1/4	3,138.62	1/4	2,868.89	1/4	2,597.02	1/4	2,325.16	1/4	2,053.39		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,632.90	1/2	3,390.62	1/2	3,133.11	1/2	2,863.22	1/2	2,591.36	1/2	2,319.50	1/2	2,047.73		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,628.21	3/4	3,385.40	3/4	3,127.60	3/4	2,857.56	3/4	2,585.70	3/4	2,313.83	3/4	2,042.07		
<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>3,623.53</b>	<b>1</b>	<b>3,380.18</b>	<b>1</b>	<b>3,122.09</b>	<b>1</b>	<b>2,851.90</b>	<b>1</b>	<b>2,580.03</b>	<b>1</b>	<b>2,308.17</b>	<b>1</b>	<b>2,036.41</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,618.61	1/4	3,374.94	1/4	3,116.55	1/4	2,846.23	1/4	2,574.37	1/4	2,302.51	1/4	2,030.75		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,613.70	1/2	3,369.69	1/2	3,111.02	1/2	2,840.57	1/2	2,568.71	1/2	2,296.84	1/2	2,025.09		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,608.78	3/4	3,364.45	3/4	3,105.49	3/4	2,834.90	3/4	2,563.04	3/4	2,291.18	3/4	2,019.43		
<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>3,603.87</b>	<b>2</b>	<b>3,359.20</b>	<b>2</b>	<b>3,099.95</b>	<b>2</b>	<b>2,829.24</b>	<b>2</b>	<b>2,557.38</b>	<b>2</b>	<b>2,285.52</b>	<b>2</b>	<b>2,013.76</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,598.93	1/4	3,353.93	1/4	3,094.39	1/4	2,823.58	1/4	2,551.71	1/4	2,279.85	1/4	2,008.10		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,593.99	1/2	3,348.67	1/2	3,088.84	1/2	2,817.91	1/2	2,546.05	1/2	2,274.19	1/2	2,002.44		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,589.05	3/4	3,343.40	3/4	3,083.28	3/4	2,812.25	3/4	2,540.39	3/4	2,268.52	3/4	1,996.78		
<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3,584.11</b>	<b>3</b>	<b>3,338.13</b>	<b>3</b>	<b>3,077.72</b>	<b>3</b>	<b>2,806.59</b>	<b>3</b>	<b>2,534.72</b>	<b>3</b>	<b>2,262.86</b>	<b>3</b>	<b>1,991.12</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,579.14	1/4	3,332.84	1/4	3,072.14	1/4	2,800.92	1/4	2,529.06	1/4	2,257.20	1/4	1,985.46		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,574.18	1/2	3,327.55	1/2	3,066.56	1/2	2,795.26	1/2	2,523.40	1/2	2,251.53	1/2	1,979.80		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,569.22	3/4	3,322.25	3/4	3,060.97	3/4	2,789.59	3/4	2,517.73	3/4	2,245.87	3/4	1,974.14		
<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>3,564.25</b>	<b>4</b>	<b>3,316.96</b>	<b>4</b>	<b>3,055.39</b>	<b>4</b>	<b>2,783.93</b>	<b>4</b>	<b>2,512.07</b>	<b>4</b>	<b>2,240.21</b>	<b>4</b>	<b>1,968.48</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,559.26	1/4	3,311.64	1/4	3,049.79	1/4	2,778.27	1/4	2,506.40	1/4	2,234.54	1/4	1,962.82		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,554.28	1/2	3,306.33	1/2	3,044.18	1/2	2,772.60	1/2	2,500.74	1/2	2,228.88	1/2	1,957.16		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,549.29	3/4	3,301.01	3/4	3,038.57	3/4	2,766.94	3/4	2,495.08	3/4	2,223.21	3/4	1,951.50		
<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>3,544.30</b>	<b>5</b>	<b>3,295.69</b>	<b>5</b>	<b>3,032.97</b>	<b>5</b>	<b>2,761.27</b>	<b>5</b>	<b>2,489.41</b>	<b>5</b>	<b>2,217.55</b>	<b>5</b>	<b>1,945.84</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,539.28	1/4	3,290.35	1/4	3,027.34	1/4	2,755.61	1/4	2,483.75	1/4	2,211.89	1/4	1,940.18		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,534.27	1/2	3,285.01	1/2	3,021.71	1/2	2,749.95	1/2	2,478.08	1/2	2,206.23	1/2	1,934.51		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,529.25	3/4	3,279.67	3/4	3,016.08	3/4	2,744.28	3/4	2,472.42	3/4	2,200.57	3/4	1,928.85		
<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>3,524.24</b>	<b>6</b>	<b>3,274.33</b>	<b>6</b>	<b>3,010.45</b>	<b>6</b>	<b>2,738.62</b>	<b>6</b>	<b>2,466.76</b>	<b>6</b>	<b>2,194.91</b>	<b>6</b>	<b>1,923.19</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,519.18	1/4	3,268.97	1/4	3,004.79	1/4	2,732.96	1/4	2,461.09	1/4	2,189.25	1/4	1,917.53		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,514.12	1/2	3,263.60	1/2	2,999.14	1/2	2,727.29	1/2	2,455.43	1/2	2,183.59	1/2	1,911.87		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,509.07	3/4	3,258.24	3/4	2,993.48	3/4	2,721.63	3/4	2,449.77	3/4	2,177.92	3/4	1,906.21		
<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>3,504.01</b>	<b>7</b>	<b>3,252.87</b>	<b>7</b>	<b>2,987.83</b>	<b>7</b>	<b>2,715.96</b>	<b>7</b>	<b>2,444.10</b>	<b>7</b>	<b>2,172.26</b>	<b>7</b>	<b>1,900.55</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,498.91	1/4	3,247.48	1/4	2,982.16	1/4	2,710.30	1/4	2,438.44	1/4	2,166.60	1/4	1,894.89		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,493.81	1/2	3,242.09	1/2	2,976.50	1/2	2,704.64	1/2	2,432.77	1/2	2,160.94	1/2	1,889.23		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,488.71	3/4	3,236.71	3/4	2,970.84	3/4	2,698.97	3/4	2,427.11	3/4	2,155.28	3/4	1,883.57		
<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>3,483.61</b>	<b>8</b>	<b>3,231.32</b>	<b>8</b>	<b>2,965.17</b>	<b>8</b>	<b>2,693.31</b>	<b>8</b>	<b>2,421.45</b>	<b>8</b>	<b>2,149.62</b>	<b>8</b>	<b>1,877.91</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,478.49	1/4	3,225.90	1/4	2,959.51	1/4	2,687.65	1/4	2,415.78	1/4	2,143.96	1/4	1,872.25		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,473.37	1/2	3,220.49	1/2	2,953.84	1/2	2,681.98	1/2	2,410.12	1/2	2,138.30	1/2	1,866.59		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,468.24	3/4	3,215.08	3/4	2,948.18	3/4	2,676.32	3/4	2,404.46	3/4	2,132.64	3/4	1,860.93		
<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>3,463.12</b>	<b>9</b>	<b>3,209.66</b>	<b>9</b>	<b>2,942.52</b>	<b>9</b>	<b>2,670.65</b>	<b>9</b>	<b>2,398.79</b>	<b>9</b>	<b>2,126.98</b>	<b>9</b>	<b>1,855.27</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,457.97	1/4	3,204.23	1/4	2,936.85	1/4	2,664.99	1/4	2,393.13	1/4	2,121.32	1/4	1,849.60		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,452.82	1/2	3,198.79	1/2	2,931.19	1/2	2,659.33	1/2	2,387.46	1/2	2,115.66	1/2	1,843.94		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,447.68	3/4	3,193.35	3/4	2,925.52	3/4	2,653.66	3/4	2,381.80	3/4	2,110.00	3/4	1,838.28		
<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>3,442.53</b>	<b>10</b>	<b>3,187.92</b>	<b>10</b>	<b>2,919.86</b>	<b>10</b>	<b>2,648.00</b>	<b>10</b>	<b>2,376.14</b>	<b>10</b>	<b>2,104.34</b>	<b>10</b>	<b>1,832.62</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,437.36	1/4	3,182.45	1/4	2,914.20	1/4	2,642.33	1/4	2,370.47	1/4	2,098.68	1/4	1,826.96		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,432.19	1/2	3,176.99	1/2	2,908.53	1/2	2,636.67	1/2	2,364.81	1/2	2,093.01	1/2	1,821.30		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,427.01	3/4	3,171.53	3/4	2,902.87	3/4	2,631.01	3/4	2,359.14	3/4	2,087.35	3/4	1,815.64		
<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>3,657.22</b>	<b>11</b>	<b>3,421.84</b>	<b>11</b>	<b>3,166.07</b>	<b>11</b>	<b>2,897.21</b>	<b>11</b>	<b>2,625.34</b>	<b>11</b>	<b>2,353.48</b>	<b>11</b>	<b>2,081.69</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,653.48	1/4	3,416.65	1/4	3,160.58	1/4	2,891.54	1/4	2,619.68	1/4	2,347.82	1/4	2,076.03	1/4	1,804.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,649.74	1/2	3,411.45	1/2	3,155.10	1/2	2,885.88	1/2	2,614.02	1/2	2,342.15	1/2	2,070.37	1/2	1,798.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,646.00	3/4	3,406.25	3/4	3,149.61	3/4	2,880.21	3/4	2,608.35	3/4	2,336.49	3/4	2,064.71	3/4	1,793.00

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 37'-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 13020B"

## 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	1,787.34	0	1,515.62	0	1,243.91	0	972.20	0	701.42	0	429.89	0	158.22	0		0		0	
1/4	1,781.68	1/4	1,509.96	1/4	1,238.25	1/4	966.54	1/4	695.78	1/4	424.23	1/4	152.57	1/4	1/4	1/4		1/4	
1/2	1,776.02	1/2	1,504.30	1/2	1,232.59	1/2	960.87	1/2	690.15	1/2	418.57	1/2	146.92	1/2	1/2	1/2		1/2	
3/4	1,770.35	3/4	1,498.64	3/4	1,226.93	3/4	955.21	3/4	684.51	3/4	412.91	3/4	141.28	3/4	3/4	3/4		3/4	
1	1,764.69	1	1,492.98	1	1,221.27	1	949.55	1	678.88	1	407.25	1	135.63	1	1	1		1	
1/4	1,759.03	1/4	1,487.32	1/4	1,215.61	1/4	943.89	1/4	673.23	1/4	401.58	1/4	130.00	1/4	1/4	1/4		1/4	
1/2	1,753.37	1/2	1,481.66	1/2	1,209.95	1/2	938.23	1/2	667.59	1/2	395.92	1/2	124.36	1/2	1/2	1/2		1/2	
3/4	1,747.71	3/4	1,476.00	3/4	1,204.28	3/4	932.57	3/4	661.95	3/4	390.26	3/4	118.73	3/4	3/4	3/4		3/4	
2	1,742.05	2	1,470.34	2	1,198.62	2	926.91	2	656.31	2	384.60	2	113.09	2	2	2		2	
1/4	1,736.39	1/4	1,464.68	1/4	1,192.96	1/4	921.25	1/4	650.65	1/4	378.94	1/4	107.47	1/4	1/4	1/4		1/4	
1/2	1,730.73	1/2	1,459.02	1/2	1,187.30	1/2	915.59	1/2	644.99	1/2	373.28	1/2	101.85	1/2	1/2	1/2		1/2	
3/4	1,725.07	3/4	1,453.36	3/4	1,181.64	3/4	909.93	3/4	639.33	3/4	367.62	3/4	96.23	3/4	3/4	3/4		3/4	
3	1,719.41	3	1,447.69	3	1,175.98	3	904.27	3	633.67	3	361.96	3	90.62	3	3	3		3	
1/4	1,713.75	1/4	1,442.03	1/4	1,170.32	1/4	898.62	1/4	628.00	1/4	356.30	1/4	85.02	1/4	1/4	1/4		1/4	
1/2	1,708.09	1/2	1,436.37	1/2	1,164.66	1/2	892.96	1/2	622.34	1/2	350.64	1/2	79.42	1/2	1/2	1/2		1/2	
3/4	1,702.43	3/4	1,430.71	3/4	1,159.00	3/4	887.31	3/4	616.68	3/4	344.98	3/4	73.83	3/4	3/4	3/4		3/4	
4	1,696.77	4	1,425.05	4	1,153.34	4	881.66	4	611.02	4	339.32	4	68.23	4	4	4		4	
1/4	1,691.10	1/4	1,419.39	1/4	1,147.68	1/4	876.02	1/4	605.36	1/4	333.66	1/4	62.67	1/4	1/4	1/4		1/4	
1/2	1,685.44	1/2	1,413.73	1/2	1,142.02	1/2	870.38	1/2	599.70	1/2	328.00	1/2	57.11	1/2	1/2	1/2		1/2	
3/4	1,679.78	3/4	1,408.07	3/4	1,136.36	3/4	864.74	3/4	594.04	3/4	322.34	3/4	51.55	3/4	3/4	3/4		3/4	
5	1,674.12	5	1,402.41	5	1,130.70	5	859.10	5	588.38	5	316.68	5	45.99	5	5	5		5	
1/4	1,668.46	1/4	1,396.75	1/4	1,125.03	1/4	853.46	1/4	582.72	1/4	311.02	1/4	41.04	1/4	1/4	1/4		1/4	
1/2	1,662.80	1/2	1,391.09	1/2	1,119.37	1/2	847.82	1/2	577.06	1/2	305.36	1/2	36.10	1/2	1/2	1/2		1/2	
3/4	1,657.14	3/4	1,385.43	3/4	1,113.71	3/4	842.18	3/4	571.40	3/4	299.70	3/4	31.15	3/4	3/4	3/4		3/4	
6	1,651.48	6	1,379.77	6	1,108.05	6	836.54	6	565.74	6	294.04	6	26.20	6	6	6		6	
1/4	1,645.82	1/4	1,374.11	1/4	1,102.39	1/4	830.91	1/4	560.08	1/4	288.37	1/4	22.66	1/4	1/4	1/4		1/4	
1/2	1,640.16	1/2	1,368.44	1/2	1,096.73	1/2	825.28	1/2	554.42	1/2	282.71	1/2	19.13	1/2	1/2	1/2		1/2	
3/4	1,634.50	3/4	1,362.78	3/4	1,091.07	3/4	819.65	3/4	548.76	3/4	277.05	3/4	15.59	3/4	3/4	3/4		3/4	
7	1,628.84	7	1,357.12	7	1,085.41	7	814.02	7	543.10	7	271.39	7	12.05	7	7	7		7	
1/4	1,623.18	1/4	1,351.46	1/4	1,079.75	1/4	808.39	1/4	537.44	1/4	265.73	1/4		1/4	1/4	1/4		1/4	
1/2	1,617.52	1/2	1,345.80	1/2	1,074.09	1/2	802.76	1/2	531.78	1/2	260.07	1/2		1/2	1/2	1/2		1/2	
3/4	1,611.85	3/4	1,340.14	3/4	1,068.43	3/4	797.13	3/4	526.12	3/4	254.41	3/4		3/4	3/4	3/4		3/4	
8	1,606.19	8	1,334.48	8	1,062.77	8	791.50	8	520.46	8	248.75	8		8	8	8		8	
1/4	1,600.53	1/4	1,328.82	1/4	1,057.11	1/4	785.87	1/4	514.79	1/4	243.09	1/4		1/4	1/4	1/4		1/4	
1/2	1,594.87	1/2	1,323.16	1/2	1,051.45	1/2	780.24	1/2	509.13	1/2	237.43	1/2		1/2	1/2	1/2		1/2	
3/4	1,589.21	3/4	1,317.50	3/4	1,045.78	3/4	774.61	3/4	503.47	3/4	231.77	3/4		3/4	3/4	3/4		3/4	
9	1,583.55	9	1,311.84	9	1,040.12	9	768.98	9	497.81	9	226.11	9		9	9	9		9	
1/4	1,577.89	1/4	1,306.18	1/4	1,034.46	1/4	763.35	1/4	492.15	1/4	220.45	1/4		1/4	1/4	1/4		1/4	
1/2	1,572.23	1/2	1,300.52	1/2	1,028.80	1/2	757.72	1/2	486.49	1/2	214.79	1/2		1/2	1/2	1/2		1/2	
3/4	1,566.57	3/4	1,294.86	3/4	1,023.14	3/4	752.09	3/4	480.83	3/4	209.13	3/4		3/4	3/4	3/4		3/4	
10	1,560.91	10	1,289.20	10	1,017.48	10	746.46	10	475.17	10	203.47	10		10	10	10		10	
1/4	1,555.25	1/4	1,283.53	1/4	1,011.82	1/4	740.83	1/4	469.51	1/4	197.81	1/4		1/4	1/4	1/4		1/4	
1/2	1,549.59	1/2	1,277.87	1/2	1,006.16	1/2	735.20	1/2	463.85	1/2	192.15	1/2		1/2	1/2	1/2		1/2	
3/4	1,543.93	3/4	1,272.21	3/4	1,000.50	3/4	729.57	3/4	458.19	3/4	186.49	3/4		3/4	3/4	3/4		3/4	
11	1,538.27	11	1,266.55	11	994.84	11	723.94	11	452.53	11	180.83	11		11	11	11		11	
1/4	1,532.61	1/4	1,260.89	1/4	989.18	1/4	718.31	1/4	446.87	1/4	175.18	1/4		1/4	1/4	1/4		1/4	
1/2	1,526.94	1/2	1,255.23	1/2	983.52	1/2	712.68	1/2	441.21	1/2	169.52	1/2		1/2	1/2	1/2		1/2	
3/4	1,521.28	3/4	1,249.57	3/4	977.86	3/4	707.05	3/4	435.55	3/4	163.87	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2009 CL - SW  
CALCULATED: 04/21/2009 CL  
VERIFIED: 04/09/2024 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2024

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



# BARGE "KIRBY 13020B"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	3,273.09	0	3,097.90	0	2,907.20	0	2,703.72	0	2,497.92	0	2,275.24	0	2,002.47
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,269.78	1/4	3,094.06	1/4	2,903.07	1/4	2,699.43	1/4	2,493.63	1/4	2,269.56	1/4	1,996.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,266.46	1/2	3,090.22	1/2	2,898.94	1/2	2,695.14	1/2	2,489.35	1/2	2,263.88	1/2	1,991.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,263.15	3/4	3,086.38	3/4	2,894.81	3/4	2,690.85	3/4	2,485.06	3/4	2,258.20	3/4	1,985.42
1		1		1		1	3,259.84	1	3,082.54	1	2,890.67	1	2,686.57	1	2,480.77	1	2,252.52	1	1,979.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,256.29	1/4	3,078.68	1/4	2,886.52	1/4	2,682.28	1/4	2,476.48	1/4	2,246.84	1/4	1,974.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,252.74	1/2	3,074.82	1/2	2,882.36	1/2	2,677.99	1/2	2,472.20	1/2	2,241.16	1/2	1,968.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,249.19	3/4	3,070.95	3/4	2,878.21	3/4	2,673.70	3/4	2,467.91	3/4	2,235.48	3/4	1,962.68
2		2		2		2	3,245.65	2	3,067.09	2	2,874.05	2	2,669.42	2	2,463.62	2	2,229.79	2	1,956.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,242.07	1/4	3,063.20	1/4	2,869.87	1/4	2,665.13	1/4	2,459.33	1/4	2,224.11	1/4	1,951.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,238.50	1/2	3,059.32	1/2	2,865.69	1/2	2,660.84	1/2	2,455.05	1/2	2,218.43	1/2	1,945.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,234.93	3/4	3,055.43	3/4	2,861.51	3/4	2,656.55	3/4	2,450.76	3/4	2,212.75	3/4	1,939.94
3		3		3		3	3,231.36	3	3,051.54	3	2,857.33	3	2,652.27	3	2,446.47	3	2,207.07	3	1,934.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,227.76	1/4	3,047.63	1/4	2,853.12	1/4	2,647.98	1/4	2,442.18	1/4	2,201.39	1/4	1,928.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,224.16	1/2	3,043.72	1/2	2,848.92	1/2	2,643.69	1/2	2,437.90	1/2	2,195.71	1/2	1,922.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,220.57	3/4	3,039.81	3/4	2,844.71	3/4	2,639.40	3/4	2,433.61	3/4	2,190.03	3/4	1,917.20
4		4		4		4	3,216.97	4	3,035.89	4	2,840.51	4	2,635.12	4	2,429.32	4	2,184.35	4	1,911.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,213.35	1/4	3,031.96	1/4	2,836.28	1/4	2,630.83	1/4	2,425.03	1/4	2,178.67	1/4	1,905.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,209.73	1/2	3,028.02	1/2	2,832.05	1/2	2,626.54	1/2	2,420.75	1/2	2,172.98	1/2	1,900.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,206.11	3/4	3,024.08	3/4	2,827.82	3/4	2,622.25	3/4	2,416.46	3/4	2,167.30	3/4	1,894.47
5		5		5		5	3,202.49	5	3,020.15	5	2,823.59	5	2,617.97	5	2,412.17	5	2,161.62	5	1,888.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,198.84	1/4	3,016.19	1/4	2,819.34	1/4	2,613.68	1/4	2,407.88	1/4	2,155.94	1/4	1,883.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,195.20	1/2	3,012.23	1/2	2,815.08	1/2	2,609.39	1/2	2,403.60	1/2	2,150.25	1/2	1,877.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,191.56	3/4	3,008.27	3/4	2,810.83	3/4	2,605.11	3/4	2,399.31	3/4	2,144.57	3/4	1,871.73
6		6		6		6	3,187.92	6	3,004.31	6	2,806.58	6	2,600.82	6	2,395.02	6	2,138.89	6	1,866.05
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,184.24	1/4	3,000.32	1/4	2,802.30	1/4	2,596.53	1/4	2,390.74	1/4	2,133.20	1/4	1,860.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,180.56	1/2	2,996.34	1/2	2,798.02	1/2	2,592.24	1/2	2,386.45	1/2	2,127.52	1/2	1,854.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,176.88	3/4	2,992.35	3/4	2,793.74	3/4	2,587.96	3/4	2,382.16	3/4	2,121.83	3/4	1,848.99
7		7		7		7	3,173.20	7	2,988.37	7	2,789.46	7	2,583.67	7	2,377.87	7	2,116.15	7	1,843.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,169.48	1/4	2,984.36	1/4	2,785.18	1/4	2,579.38	1/4	2,373.59	1/4	2,110.47	1/4	1,837.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,165.77	1/2	2,980.35	1/2	2,780.89	1/2	2,575.09	1/2	2,369.30	1/2	2,104.78	1/2	1,831.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,162.05	3/4	2,976.34	3/4	2,776.60	3/4	2,570.81	3/4	2,365.01	3/4	2,099.10	3/4	1,826.26
8		8		8		8	3,158.33	8	2,972.33	8	2,772.31	8	2,566.52	8	2,360.72	8	2,093.41	8	1,820.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,154.59	1/4	2,968.29	1/4	2,768.03	1/4	2,562.23	1/4	2,356.44	1/4	2,089.73	1/4	1,814.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,150.85	1/2	2,964.26	1/2	2,763.74	1/2	2,557.94	1/2	2,352.15	1/2	2,082.05	1/2	1,809.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,147.11	3/4	2,960.23	3/4	2,759.45	3/4	2,553.66	3/4	2,347.86	3/4	2,076.36	3/4	1,803.52
9		9		9		9	3,143.37	9	2,956.19	9	2,755.16	9	2,549.37	9	2,343.57	9	2,070.68	9	1,797.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,139.61	1/4	2,952.13	1/4	2,750.88	1/4	2,545.08	1/4	2,339.85	1/4	2,064.99	1/4	1,792.15
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,135.84	1/2	2,948.08	1/2	2,746.59	1/2	2,540.79	1/2	2,332.13	1/2	2,059.31	1/2	1,786.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,132.07	3/4	2,944.02	3/4	2,742.30	3/4	2,536.51	3/4	2,326.41	3/4	2,053.63	3/4	1,780.78
10		10		10		10	3,128.31	10	2,939.96	10	2,738.01	10	2,532.22	10	2,320.69	10	2,047.94	10	1,775.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,124.52	1/4	2,935.88	1/4	2,733.73	1/4	2,527.93	1/4	2,315.01	1/4	2,042.26	1/4	1,769.42
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,120.73	1/2	2,931.79	1/2	2,729.44	1/2	2,523.64	1/2	2,309.33	1/2	2,036.57	1/2	1,763.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,116.94	3/4	2,927.71	3/4	2,725.15	3/4	2,519.36	3/4	2,303.65	3/4	2,030.89	3/4	1,758.05
11		11		11		11	3,113.15	11	2,923.63	11	2,720.87	11	2,515.07	11	2,297.97	11	2,025.20	11	1,752.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,109.34	1/4	2,919.52	1/4	2,716.58	1/4	2,510.78	1/4	2,292.29	1/4	2,019.52	1/4	1,746.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,105.52	1/2	2,915.41	1/2	2,712.29	1/2	2,506.50	1/2	2,286.60	1/2	2,013.84	1/2	1,740.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,101.71	3/4	2,911.31	3/4	2,708.00	3/4	2,502.21	3/4	2,280.92	3/4	2,008.15	3/4	1,735.31

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 38'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 13020B"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	1,729.63	0	1,456.48	0	1,183.33	0	909.38	0	644.31	0	371.93	0	97.87	0		0		0	
1/4	1,723.94	1/4	1,450.78	1/4	1,177.62	1/4	903.68	1/4	638.82	1/4	366.22	1/4	92.19	1/4	1/4	1/4		1/4	
1/2	1,718.26	1/2	1,445.09	1/2	1,171.91	1/2	897.97	1/2	633.34	1/2	360.51	1/2	86.50	1/2	1/2	1/2		1/2	
3/4	1,712.57	3/4	1,439.39	3/4	1,166.21	3/4	892.26	3/4	627.85	3/4	354.80	3/4	80.81	3/4	3/4	3/4		3/4	
1	1,706.89	1	1,433.70	1	1,160.50	1	886.55	1	622.36	1	349.08	1	75.12	1	1	1		1	
1/4	1,701.21	1/4	1,428.00	1/4	1,154.79	1/4	880.85	1/4	616.87	1/4	343.37	1/4	69.87	1/4	1/4	1/4		1/4	
1/2	1,695.52	1/2	1,422.31	1/2	1,149.09	1/2	875.14	1/2	611.37	1/2	337.66	1/2	64.62	1/2	1/2	1/2		1/2	
3/4	1,689.84	3/4	1,416.61	3/4	1,143.38	3/4	869.43	3/4	605.88	3/4	331.95	3/4	59.38	3/4	3/4	3/4		3/4	
2	1,684.15	2	1,410.92	2	1,137.67	2	863.73	2	600.38	2	326.24	2	54.13	2	2	2		2	
1/4	1,678.47	1/4	1,405.22	1/4	1,131.96	1/4	858.22	1/4	594.67	1/4	320.53	1/4	49.75	1/4	1/4	1/4		1/4	
1/2	1,672.78	1/2	1,399.53	1/2	1,126.26	1/2	852.72	1/2	588.96	1/2	314.81	1/2	45.37	1/2	1/2	1/2		1/2	
3/4	1,667.10	3/4	1,393.83	3/4	1,120.55	3/4	847.22	3/4	583.25	3/4	309.10	3/4	40.98	3/4	3/4	3/4		3/4	
3	1,661.42	3	1,388.14	3	1,114.84	3	841.72	3	577.54	3	303.39	3	36.60	3	3	3		3	
1/4	1,655.73	1/4	1,382.44	1/4	1,109.13	1/4	836.22	1/4	571.83	1/4	297.68	1/4	33.10	1/4	1/4	1/4		1/4	
1/2	1,650.05	1/2	1,376.75	1/2	1,103.43	1/2	830.73	1/2	566.12	1/2	291.97	1/2	29.60	1/2	1/2	1/2		1/2	
3/4	1,644.36	3/4	1,371.05	3/4	1,097.72	3/4	825.24	3/4	560.41	3/4	286.26	3/4	26.10	3/4	3/4	3/4		3/4	
4	1,638.68	4	1,365.36	4	1,092.01	4	819.74	4	554.70	4	280.54	4	22.60	4	4	4		4	
1/4	1,632.99	1/4	1,359.66	1/4	1,086.31	1/4	814.26	1/4	548.99	1/4	274.83	1/4	19.99	1/4	1/4	1/4		1/4	
1/2	1,627.31	1/2	1,353.97	1/2	1,080.60	1/2	808.78	1/2	543.28	1/2	269.12	1/2	17.37	1/2	1/2	1/2		1/2	
3/4	1,621.63	3/4	1,348.27	3/4	1,074.89	3/4	803.30	3/4	537.57	3/4	263.41	3/4	14.75	3/4	3/4	3/4		3/4	
5	1,615.94	5	1,342.58	5	1,069.18	5	797.81	5	531.85	5	257.70	5	12.14	5	5	5		5	
1/4	1,610.26	1/4	1,336.89	1/4	1,063.48	1/4	792.33	1/4	526.14	1/4	251.99	1/4		1/4	1/4	1/4		1/4	
1/2	1,604.57	1/2	1,331.20	1/2	1,057.77	1/2	786.85	1/2	520.43	1/2	246.27	1/2		1/2	1/2	1/2		1/2	
3/4	1,598.89	3/4	1,325.52	3/4	1,052.06	3/4	781.37	3/4	514.72	3/4	240.56	3/4		3/4	3/4	3/4		3/4	
6	1,593.21	6	1,319.83	6	1,046.36	6	775.88	6	509.01	6	234.85	6		6	6	6		6	
1/4	1,587.52	1/4	1,314.14	1/4	1,040.65	1/4	770.40	1/4	503.30	1/4	229.14	1/4		1/4	1/4	1/4		1/4	
1/2	1,581.84	1/2	1,308.45	1/2	1,034.94	1/2	764.92	1/2	497.59	1/2	223.43	1/2		1/2	1/2	1/2		1/2	
3/4	1,576.15	3/4	1,302.77	3/4	1,029.23	3/4	759.44	3/4	491.87	3/4	217.72	3/4		3/4	3/4	3/4		3/4	
7	1,570.47	7	1,297.08	7	1,023.53	7	753.96	7	486.16	7	212.01	7		7	7	7		7	
1/4	1,564.78	1/4	1,291.39	1/4	1,017.82	1/4	748.47	1/4	480.45	1/4	206.29	1/4		1/4	1/4	1/4		1/4	
1/2	1,559.10	1/2	1,285.70	1/2	1,012.11	1/2	742.99	1/2	474.74	1/2	200.58	1/2		1/2	1/2	1/2		1/2	
3/4	1,553.42	3/4	1,280.02	3/4	1,006.41	3/4	737.51	3/4	469.03	3/4	194.87	3/4		3/4	3/4	3/4		3/4	
8	1,547.73	8	1,274.33	8	1,000.70	8	732.03	8	463.32	8	189.16	8		8	8	8		8	
1/4	1,542.05	1/4	1,268.64	1/4	994.99	1/4	726.54	1/4	457.60	1/4	183.45	1/4		1/4	1/4	1/4		1/4	
1/2	1,536.36	1/2	1,262.95	1/2	989.28	1/2	721.06	1/2	451.89	1/2	177.74	1/2		1/2	1/2	1/2		1/2	
3/4	1,530.68	3/4	1,257.27	3/4	983.58	3/4	715.58	3/4	446.18	3/4	172.02	3/4		3/4	3/4	3/4		3/4	
9	1,525.00	9	1,251.58	9	977.87	9	710.10	9	440.47	9	166.31	9		9	9	9		9	
1/4	1,519.30	1/4	1,245.89	1/4	972.16	1/4	704.61	1/4	434.76	1/4	160.60	1/4		1/4	1/4	1/4		1/4	
1/2	1,513.61	1/2	1,240.20	1/2	966.45	1/2	699.13	1/2	429.05	1/2	154.89	1/2		1/2	1/2	1/2		1/2	
3/4	1,507.92	3/4	1,234.52	3/4	960.75	3/4	693.65	3/4	423.33	3/4	149.18	3/4		3/4	3/4	3/4		3/4	
10	1,502.22	10	1,228.83	10	955.04	10	688.17	10	417.62	10	143.46	10		10	10	10		10	
1/4	1,496.50	1/4	1,223.14	1/4	949.33	1/4	682.69	1/4	411.91	1/4	137.76	1/4		1/4	1/4	1/4		1/4	
1/2	1,490.79	1/2	1,217.45	1/2	943.63	1/2	677.20	1/2	406.20	1/2	132.06	1/2		1/2	1/2	1/2		1/2	
3/4	1,485.07	3/4	1,211.77	3/4	937.92	3/4	671.72	3/4	400.49	3/4	126.36	3/4		3/4	3/4	3/4		3/4	
11	1,479.35	11	1,206.08	11	932.21	11	666.24	11	394.78	11	120.66	11		11	11	11		11	
1/4	1,473.63	1/4	1,200.39	1/4	926.50	1/4	660.76	1/4	389.06	1/4	114.96	1/4		1/4	1/4	1/4		1/4	
1/2	1,467.91	1/2	1,194.70	1/2	920.80	1/2	655.27	1/2	383.35	1/2	109.27	1/2		1/2	1/2	1/2		1/2	
3/4	1,462.19	3/4	1,189.02	3/4	915.09	3/4	649.79	3/4	377.64	3/4	103.57	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2009 CL - SW  
CALCULATED: 04/21/2009 CL  
VERIFIED: 04/09/2024 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2024

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



# BARGE "KIRBY 13020B"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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		0	3,128.64	0	2,938.00	0	2,734.34	0	2,528.01	0	2,307.50	0	2,033.49
1/4		1/4		1/4		1/4		1/4	3,124.81	1/4	2,933.88	1/4	2,730.04	1/4	2,523.71	1/4	2,301.79	1/4	2,027.78
1/2		1/2		1/2		1/2		1/2	3,296.70	1/2	3,120.99	1/2	2,929.76	1/2	2,725.74	1/2	2,519.41	1/2	2,296.09
3/4		3/4		3/4		3/4		3/4	3,293.38	3/4	3,117.14	3/4	2,925.62	3/4	2,721.44	3/4	2,515.12	3/4	2,290.38
1		1		1		1		1	3,290.06	1	3,113.29	1	2,921.47	1	2,717.14	1	2,510.82	1	2,284.67
1/4		1/4		1/4		1/4		1/4	3,286.74	1/4	3,109.44	1/4	2,917.33	1/4	2,712.85	1/4	2,506.52	1/4	2,278.96
1/2		1/2		1/2		1/2		1/2	3,283.42	1/2	3,105.59	1/2	2,913.19	1/2	2,708.55	1/2	2,502.22	1/2	2,273.26
3/4		3/4		3/4		3/4		3/4	3,279.86	3/4	3,101.71	3/4	2,909.02	3/4	2,704.25	3/4	2,497.92	3/4	2,267.55
2		2		2		2		2	3,276.30	2	3,097.84	2	2,904.85	2	2,699.95	2	2,493.62	2	2,261.84
1/4		1/4		1/4		1/4		1/4	3,272.74	1/4	3,093.97	1/4	2,900.69	1/4	2,695.65	1/4	2,489.32	1/4	2,256.14
1/2		1/2		1/2		1/2		1/2	3,269.18	1/2	3,090.09	1/2	2,896.52	1/2	2,691.35	1/2	2,485.03	1/2	2,250.43
3/4		3/4		3/4		3/4		3/4	3,265.60	3/4	3,086.19	3/4	2,892.33	3/4	2,687.06	3/4	2,480.73	3/4	2,244.72
3		3		3		3		3	3,262.02	3	3,082.30	3	2,888.14	3	2,682.76	3	2,476.43	3	2,239.02
1/4		1/4		1/4		1/4		1/4	3,258.43	1/4	3,078.40	1/4	2,883.95	1/4	2,678.46	1/4	2,472.13	1/4	2,233.31
1/2		1/2		1/2		1/2		1/2	3,254.85	1/2	3,074.50	1/2	2,879.75	1/2	2,674.16	1/2	2,467.83	1/2	2,227.60
3/4		3/4		3/4		3/4		3/4	3,251.24	3/4	3,070.58	3/4	2,875.54	3/4	2,669.86	3/4	2,463.53	3/4	2,221.90
4		4		4		4		4	3,247.63	4	3,066.65	4	2,871.32	4	2,665.56	4	2,459.23	4	2,216.19
1/4		1/4		1/4		1/4		1/4	3,244.03	1/4	3,062.73	1/4	2,867.11	1/4	2,661.26	1/4	2,454.94	1/4	2,210.48
1/2		1/2		1/2		1/2		1/2	3,240.42	1/2	3,058.81	1/2	2,862.89	1/2	2,656.97	1/2	2,450.64	1/2	2,204.78
3/4		3/4		3/4		3/4		3/4	3,236.79	3/4	3,054.86	3/4	2,858.65	3/4	2,652.67	3/4	2,446.34	3/4	2,199.07
5		5		5		5		5	3,233.15	5	3,050.91	5	2,854.41	5	2,648.37	5	2,442.04	5	2,193.36
1/4		1/4		1/4		1/4		1/4	3,229.52	1/4	3,046.97	1/4	2,850.17	1/4	2,644.07	1/4	2,437.74	1/4	2,187.65
1/2		1/2		1/2		1/2		1/2	3,225.89	1/2	3,043.02	1/2	2,845.93	1/2	2,639.77	1/2	2,433.44	1/2	2,181.95
3/4		3/4		3/4		3/4		3/4	3,222.24	3/4	3,039.05	3/4	2,841.66	3/4	2,635.47	3/4	2,429.15	3/4	2,176.24
6		6		6		6		6	3,218.58	6	3,035.08	6	2,837.40	6	2,631.17	6	2,424.85	6	2,170.53
1/4		1/4		1/4		1/4		1/4	3,214.93	1/4	3,031.10	1/4	2,833.13	1/4	2,626.88	1/4	2,420.55	1/4	2,164.82
1/2		1/2		1/2		1/2		1/2	3,211.27	1/2	3,027.13	1/2	2,828.87	1/2	2,622.58	1/2	2,416.25	1/2	2,159.11
3/4		3/4		3/4		3/4		3/4	3,207.58	3/4	3,023.14	3/4	2,824.58	3/4	2,618.28	3/4	2,411.95	3/4	2,153.40
7		7		7		7		7	3,203.89	7	3,019.14	7	2,820.29	7	2,613.98	7	2,407.65	7	2,147.69
1/4		1/4		1/4		1/4		1/4	3,200.20	1/4	3,015.14	1/4	2,816.00	1/4	2,609.68	1/4	2,403.35	1/4	2,141.98
1/2		1/2		1/2		1/2		1/2	3,196.51	1/2	3,011.15	1/2	2,811.71	1/2	2,605.38	1/2	2,399.06	1/2	2,136.27
3/4		3/4		3/4		3/4		3/4	3,192.79	3/4	3,007.13	3/4	2,807.41	3/4	2,601.09	3/4	2,394.76	3/4	2,130.56
8		8		8		8		8	3,189.06	8	3,003.11	8	2,803.11	8	2,596.79	8	2,390.46	8	2,124.85
1/4		1/4		1/4		1/4		1/4	3,185.33	1/4	2,999.09	1/4	2,798.82	1/4	2,592.49	1/4	2,386.16	1/4	2,119.14
1/2		1/2		1/2		1/2		1/2	3,181.60	1/2	2,995.07	1/2	2,794.52	1/2	2,588.19	1/2	2,381.86	1/2	2,113.43
3/4		3/4		3/4		3/4		3/4	3,177.85	3/4	2,991.02	3/4	2,790.22	3/4	2,583.89	3/4	2,377.56	3/4	2,107.72
9		9		9		9		9	3,174.10	9	2,986.98	9	2,785.92	9	2,579.59	9	2,373.26	9	2,102.01
1/4		1/4		1/4		1/4		1/4	3,170.35	1/4	2,982.93	1/4	2,781.62	1/4	2,575.29	1/4	2,368.97	1/4	2,096.30
1/2		1/2		1/2		1/2		1/2	3,166.60	1/2	2,978.89	1/2	2,777.32	1/2	2,571.00	1/2	2,364.67	1/2	2,090.59
3/4		3/4		3/4		3/4		3/4	3,162.82	3/4	2,974.82	3/4	2,773.03	3/4	2,566.70	3/4	2,358.94	3/4	2,084.88
10		10		10		10		10	3,159.04	10	2,970.75	10	2,768.73	10	2,562.40	10	2,353.20	10	2,079.17
1/4		1/4		1/4		1/4		1/4	3,155.27	1/4	2,966.68	1/4	2,764.43	1/4	2,558.10	1/4	2,347.47	1/4	2,073.46
1/2		1/2		1/2		1/2		1/2	3,151.49	1/2	2,962.61	1/2	2,760.13	1/2	2,553.80	1/2	2,341.74	1/2	2,067.75
3/4		3/4		3/4		3/4		3/4	3,147.69	3/4	2,958.51	3/4	2,755.83	3/4	2,549.50	3/4	2,336.03	3/4	2,062.04
11		11		11		11		11	3,143.89	11	2,954.42	11	2,751.53	11	2,545.20	11	2,330.33	11	2,056.33
1/4		1/4		1/4		1/4		1/4	3,140.09	1/4	2,950.33	1/4	2,747.23	1/4	2,540.91	1/4	2,324.62	1/4	2,050.62
1/2		1/2		1/2		1/2		1/2	3,136.29	1/2	2,946.23	1/2	2,742.94	1/2	2,536.61	1/2	2,318.91	1/2	2,044.91
3/4		3/4		3/4		3/4		3/4	3,132.46	3/4	2,942.11	3/4	2,738.64	3/4	2,532.31	3/4	2,313.21	3/4	2,039.20

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 38'-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 13020B"

## 2 STBD 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	1,759.41	0	1,485.18	0	1,209.89	0	934.61	0	660.20	0	385.16	0	109.91	0		0		0	
1/4	1,753.70	1/4	1,479.44	1/4	1,204.16	1/4	928.87	1/4	654.49	1/4	379.42	1/4	104.18	1/4	1/4		1/4		1/4
1/2	1,747.99	1/2	1,473.71	1/2	1,198.42	1/2	923.14	1/2	648.79	1/2	373.69	1/2	98.45	1/2	1/2		1/2		1/2
3/4	1,742.28	3/4	1,467.97	3/4	1,192.69	3/4	917.40	3/4	643.08	3/4	367.95	3/4	92.73	3/4	3/4		3/4		3/4
1	1,736.57	1	1,462.24	1	1,186.95	1	911.67	1	637.37	1	362.22	1	87.01	1	1		1		1
1/4	1,730.86	1/4	1,456.50	1/4	1,181.22	1/4	905.93	1/4	631.66	1/4	356.48	1/4	81.29	1/4	1/4		1/4		1/4
1/2	1,725.15	1/2	1,450.77	1/2	1,175.48	1/2	900.20	1/2	625.95	1/2	350.75	1/2	75.57	1/2	1/2		1/2		1/2
3/4	1,719.44	3/4	1,445.03	3/4	1,169.75	3/4	894.46	3/4	620.23	3/4	345.01	3/4	70.29	3/4	3/4		3/4		3/4
2	1,713.73	2	1,439.30	2	1,164.01	2	888.73	2	614.52	2	339.28	2	65.01	2	2		2		2
1/4	1,708.02	1/4	1,433.56	1/4	1,158.28	1/4	882.99	1/4	608.80	1/4	333.55	1/4	59.73	1/4	1/4		1/4		1/4
1/2	1,702.31	1/2	1,427.83	1/2	1,152.54	1/2	877.26	1/2	603.08	1/2	327.81	1/2	54.45	1/2	1/2		1/2		1/2
3/4	1,696.60	3/4	1,422.09	3/4	1,146.81	3/4	871.52	3/4	597.35	3/4	322.08	3/4	50.05	3/4	3/4		3/4		3/4
3	1,690.89	3	1,416.36	3	1,141.07	3	865.79	3	591.61	3	316.34	3	45.64	3	3		3		3
1/4	1,685.18	1/4	1,410.62	1/4	1,135.34	1/4	860.05	1/4	585.88	1/4	310.61	1/4	41.24	1/4	1/4		1/4		1/4
1/2	1,679.47	1/2	1,404.89	1/2	1,129.60	1/2	854.32	1/2	580.14	1/2	304.87	1/2	36.83	1/2	1/2		1/2		1/2
3/4	1,673.76	3/4	1,399.15	3/4	1,123.87	3/4	848.59	3/4	574.41	3/4	299.14	3/4	33.31	3/4	3/4		3/4		3/4
4	1,668.05	4	1,393.42	4	1,118.13	4	842.86	4	568.67	4	293.40	4	29.79	4	4		4		4
1/4	1,662.34	1/4	1,387.68	1/4	1,112.40	1/4	837.14	1/4	562.94	1/4	287.67	1/4	26.26	1/4	1/4		1/4		1/4
1/2	1,656.63	1/2	1,381.95	1/2	1,106.66	1/2	831.41	1/2	557.20	1/2	281.93	1/2	22.74	1/2	1/2		1/2		1/2
3/4	1,650.92	3/4	1,376.21	3/4	1,100.93	3/4	825.70	3/4	551.47	3/4	276.20	3/4	20.11	3/4	3/4		3/4		3/4
5	1,645.21	5	1,370.47	5	1,095.19	5	819.98	5	545.73	5	270.46	5	17.49	5	5		5		5
1/4	1,639.50	1/4	1,364.74	1/4	1,089.46	1/4	814.27	1/4	540.00	1/4	264.73	1/4	14.86	1/4	1/4		1/4		1/4
1/2	1,633.79	1/2	1,359.00	1/2	1,083.72	1/2	808.56	1/2	534.26	1/2	258.99	1/2	12.23	1/2	1/2		1/2		1/2
3/4	1,628.08	3/4	1,353.27	3/4	1,077.98	3/4	802.84	3/4	528.53	3/4	253.26	3/4		3/4	3/4		3/4		3/4
6	1,622.37	6	1,347.53	6	1,072.25	6	797.13	6	522.79	6	247.52	6		6	6		6		6
1/4	1,616.66	1/4	1,341.80	1/4	1,066.51	1/4	791.41	1/4	517.06	1/4	241.79	1/4		1/4	1/4		1/4		1/4
1/2	1,610.95	1/2	1,336.06	1/2	1,060.78	1/2	785.70	1/2	511.32	1/2	236.05	1/2		1/2	1/2		1/2		1/2
3/4	1,605.24	3/4	1,330.33	3/4	1,055.04	3/4	780.00	3/4	505.59	3/4	230.32	3/4		3/4	3/4		3/4		3/4
7	1,599.53	7	1,324.59	7	1,049.31	7	774.29	7	499.85	7	224.58	7		7	7		7		7
1/4	1,593.82	1/4	1,318.86	1/4	1,043.57	1/4	768.59	1/4	494.12	1/4	218.85	1/4		1/4	1/4		1/4		1/4
1/2	1,588.11	1/2	1,313.12	1/2	1,037.84	1/2	762.88	1/2	488.38	1/2	213.11	1/2		1/2	1/2		1/2		1/2
3/4	1,582.40	3/4	1,307.39	3/4	1,032.10	3/4	757.18	3/4	482.65	3/4	207.38	3/4		3/4	3/4		3/4		3/4
8	1,576.69	8	1,301.65	8	1,026.37	8	751.47	8	476.92	8	201.64	8		8	8		8		8
1/4	1,570.98	1/4	1,295.92	1/4	1,020.63	1/4	745.77	1/4	471.18	1/4	195.91	1/4		1/4	1/4		1/4		1/4
1/2	1,565.27	1/2	1,290.18	1/2	1,014.90	1/2	740.06	1/2	465.45	1/2	190.18	1/2		1/2	1/2		1/2		1/2
3/4	1,559.56	3/4	1,284.45	3/4	1,009.16	3/4	734.36	3/4	459.71	3/4	184.44	3/4		3/4	3/4		3/4		3/4
9	1,553.85	9	1,278.71	9	1,003.43	9	728.65	9	453.98	9	178.71	9		9	9		9		9
1/4	1,548.14	1/4	1,272.98	1/4	997.69	1/4	722.95	1/4	448.24	1/4	172.97	1/4		1/4	1/4		1/4		1/4
1/2	1,542.43	1/2	1,267.24	1/2	991.96	1/2	717.24	1/2	442.51	1/2	167.24	1/2		1/2	1/2		1/2		1/2
3/4	1,536.72	3/4	1,261.51	3/4	986.22	3/4	711.54	3/4	436.77	3/4	161.50	3/4		3/4	3/4		3/4		3/4
10	1,531.01	10	1,255.77	10	980.49	10	705.83	10	431.04	10	155.77	10		10	10		10		10
1/4	1,525.30	1/4	1,250.04	1/4	974.75	1/4	700.13	1/4	425.30	1/4	150.03	1/4		1/4	1/4		1/4		1/4
1/2	1,519.59	1/2	1,244.30	1/2	969.02	1/2	694.43	1/2	419.57	1/2	144.29	1/2		1/2	1/2		1/2		1/2
3/4	1,513.88	3/4	1,238.57	3/4	963.28	3/4	688.72	3/4	413.83	3/4	138.56	3/4		3/4	3/4		3/4		3/4
11	1,508.12	11	1,232.83	11	957.55	11	683.02	11	408.10	11	132.83	11		11	11		11		11
1/4	1,502.38	1/4	1,227.10	1/4	951.81	1/4	677.31	1/4	402.36	1/4	127.10	1/4		1/4	1/4		1/4		1/4
1/2	1,496.65	1/2	1,221.36	1/2	946.08	1/2	671.61	1/2	396.63	1/2	121.36	1/2		1/2	1/2		1/2		1/2
3/4	1,490.91	3/4	1,215.63	3/4	940.34	3/4	665.90	3/4	390.89	3/4	115.63	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/20/2009 CL - SW  
CALCULATED: 04/21/2009 CL  
VERIFIED: 04/09/2024 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2024

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



# BARGE "KIRBY 13020B"

## SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

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	1,122	0	2,244	0		0		0		0		0		0		0	
1/4	23	1/4	1,145	1/4	2,268	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	47	1/2	1,169	1/2	2,291	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	70	3/4	1,192	3/4	2,314	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	94	1	1,216	1	2,338	1		1		1		1		1		1		1	
1/4	117	1/4	1,239	1/4	2,361	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	140	1/2	1,262	1/2	2,384	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164	3/4	1,286	3/4	2,408	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	187	2	1,309	2	2,431	2		2		2		2		2		2		2	
1/4	210	1/4	1,332	1/4	2,455	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	234	1/2	1,356	1/2	2,478	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	257	3/4	1,379	3/4	2,501	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	281	3	1,403	3	2,525	3		3		3		3		3		3		3	
1/4	304	1/4	1,426	1/4	2,548	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	327	1/2	1,449	1/2	2,571	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	351	3/4	1,473	3/4	2,595	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	374	4	1,496	4	2,618	4		4		4		4		4		4		4	
1/4	397	1/4	1,519	1/4	2,642	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	421	1/2	1,543	1/2	2,665	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	444	3/4	1,566	3/4	2,688	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	468	5	1,590	5	2,712	5		5		5		5		5		5		5	
1/4	491	1/4	1,613	1/4	2,735	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	514	1/2	1,636	1/2	2,758	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	538	3/4	1,660	3/4	2,782	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	561	6	1,683	6	2,805	6		6		6		6		6		6		6	
1/4	584	1/4	1,706	1/4	2,829	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	608	1/2	1,730	1/2	2,852	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	631	3/4	1,753	3/4	2,875	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	655	7	1,777	7	2,899	7		7		7		7		7		7		7	
1/4	678	1/4	1,800	1/4	2,922	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	701	1/2	1,823	1/2	2,945	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	725	3/4	1,847	3/4	2,968	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	748	8	1,870	8	2,991	8		8		8		8		8		8		8	
1/4	771	1/4	1,894	1/4	3,014	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	795	1/2	1,917	1/2	3,037	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	818	3/4	1,940	3/4	3,060	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	842	9	1,964	9	3,083	9		9		9		9		9		9		9	
1/4	865	1/4	1,987	1/4	3,106	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	888	1/2	2,010	1/2	3,129	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	912	3/4	2,034	3/4	3,152	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	935	10	2,057	10	3,175	10		10		10		10		10		10		10	
1/4	958	1/4	2,081	1/4	3,198	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	982	1/2	2,104	1/2	3,221	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,005	3/4	2,127	3/4	3,244	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	1,029	11	2,151	11	3,267	11		11		11		11		11		11		11	
1/4	1,052	1/4	2,174	1/4	3,290	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,075	1/2	2,197	1/2	3,313	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,099	3/4	2,221	3/4	3,336	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 INNAGE GAUGES

STRAPPED: 04/09/2024 CL  
 CALCULATED: 04/10/2024 CL  
 VERIFIED: 04/10/2024 CL

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 04/2024

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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