



# BARGE "KIRBY 28195"

## ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

**EXAMPLE FOR ABOVE TRIM CORRECTIONS:**

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

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

LENGTH BETWEEN DRAFT MARKS: 261'-00"

January 10, 2024

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 28195"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,954.24	0	4,621.97	0	4,283.08	0	3,927.70	0	3,556.37	0	3,180.21	0	2,802.52
1/4		1/4		1/4		1/4	4,948.86	1/4	4,615.08	1/4	4,275.84	1/4	3,920.12	1/4	3,548.54	1/4	3,172.34	1/4	2,794.65
1/2		1/2		1/2		1/2	4,943.49	1/2	4,608.19	1/2	4,268.61	1/2	3,912.54	1/2	3,540.70	1/2	3,164.48	1/2	2,786.78
3/4		3/4		3/4		3/4	4,936.82	3/4	4,601.28	3/4	4,261.35	3/4	3,904.94	3/4	3,532.87	3/4	3,156.61	3/4	2,778.91
1		1		1		1	4,930.14	1	4,594.36	1	4,254.09	1	3,897.33	1	3,525.04	1	3,148.74	1	2,771.05
1/4		1/4		1/4		1/4	4,923.47	1/4	4,587.45	1/4	4,246.83	1/4	3,889.72	1/4	3,517.20	1/4	3,140.87	1/4	2,763.18
1/2		1/2		1/2		1/2	4,916.80	1/2	4,580.53	1/2	4,239.57	1/2	3,882.11	1/2	3,509.37	1/2	3,133.00	1/2	2,755.31
3/4		3/4		3/4		3/4	4,909.20	3/4	4,573.59	3/4	4,232.28	3/4	3,874.48	3/4	3,501.54	3/4	3,125.13	3/4	2,747.44
2		2		2		2	4,901.59	2	4,566.64	2	4,224.99	2	3,866.85	2	3,493.70	2	3,117.26	2	2,739.57
1/4		1/4		1/4		1/4	4,893.99	1/4	4,559.70	1/4	4,217.71	1/4	3,859.22	1/4	3,485.87	1/4	3,109.40	1/4	2,731.70
1/2		1/2		1/2		1/2	4,886.38	1/2	4,552.75	1/2	4,210.42	1/2	3,851.59	1/2	3,478.03	1/2	3,101.53	1/2	2,723.83
3/4		3/4		3/4		3/4	4,878.55	3/4	4,545.78	3/4	4,203.10	3/4	3,843.93	3/4	3,470.20	3/4	3,093.66	3/4	2,715.97
3		3		3		3	4,870.72	3	4,538.81	3	4,195.79	3	3,836.27	3	3,462.37	3	3,085.79	3	2,708.10
1/4		1/4		1/4		1/4	4,862.88	1/4	4,531.84	1/4	4,188.47	1/4	3,828.61	1/4	3,454.53	1/4	3,077.92	1/4	2,700.23
1/2		1/2		1/2		1/2	4,855.05	1/2	4,524.86	1/2	4,181.15	1/2	3,820.95	1/2	3,446.70	1/2	3,070.05	1/2	2,692.36
3/4		3/4		3/4		3/4	4,847.65	3/4	4,517.86	3/4	4,173.81	3/4	3,813.26	3/4	3,438.87	3/4	3,062.18	3/4	2,684.49
4		4		4		4	4,840.25	4	4,510.86	4	4,166.46	4	3,805.57	4	3,431.03	4	3,054.31	4	2,676.62
1/4		1/4		1/4		1/4	4,832.85	1/4	4,503.86	1/4	4,159.12	1/4	3,797.88	1/4	3,423.20	1/4	3,046.45	1/4	2,668.75
1/2		1/2		1/2		1/2	4,825.45	1/2	4,496.85	1/2	4,151.77	1/2	3,790.19	1/2	3,415.36	1/2	3,038.58	1/2	2,660.88
3/4		3/4		3/4		3/4	4,818.76	3/4	4,489.82	3/4	4,144.40	3/4	3,782.47	3/4	3,407.53	3/4	3,030.71	3/4	2,653.02
5		5		5		5	4,812.07	5	4,482.79	5	4,137.02	5	3,774.76	5	3,399.70	5	3,022.84	5	2,645.15
1/4		1/4		1/4		1/4	4,805.38	1/4	4,475.76	1/4	4,129.65	1/4	3,767.04	1/4	3,391.86	1/4	3,014.97	1/4	2,637.28
1/2		1/2		1/2		1/2	4,798.69	1/2	4,468.73	1/2	4,122.27	1/2	3,759.32	1/2	3,384.03	1/2	3,007.10	1/2	2,629.41
3/4		3/4		3/4		3/4	4,791.98	3/4	4,461.67	3/4	4,114.87	3/4	3,751.58	3/4	3,376.19	3/4	2,999.23	3/4	2,621.54
6		6		6		6	4,785.26	6	4,454.61	6	4,107.47	6	3,743.83	6	3,368.36	6	2,991.37	6	2,613.67
1/4		1/4		1/4		1/4	4,778.54	1/4	4,447.55	1/4	4,100.06	1/4	3,736.08	1/4	3,360.53	1/4	2,983.50	1/4	2,605.80
1/2		1/2		1/2		1/2	4,771.83	1/2	4,440.49	1/2	4,092.66	1/2	3,728.33	1/2	3,352.69	1/2	2,975.63	1/2	2,597.94
3/4		3/4		3/4		3/4	4,765.08	3/4	4,433.40	3/4	4,085.23	3/4	3,720.56	3/4	3,344.86	3/4	2,967.76	3/4	2,590.07
7		7		7		7	4,758.33	7	4,426.31	7	4,077.80	7	3,712.78	7	3,337.03	7	2,959.89	7	2,582.20
1/4		1/4		1/4		1/4	4,751.59	1/4	4,419.23	1/4	4,070.36	1/4	3,705.01	1/4	3,329.19	1/4	2,952.02	1/4	2,574.33
1/2		1/2		1/2		1/2	4,744.84	1/2	4,412.14	1/2	4,062.93	1/2	3,697.23	1/2	3,321.36	1/2	2,944.15	1/2	2,566.46
3/4		3/4		3/4		3/4	4,738.07	3/4	4,405.02	3/4	4,055.47	3/4	3,689.43	3/4	3,313.52	3/4	2,936.29	3/4	2,558.59
8		8		8		8	4,731.29	8	4,397.90	8	4,048.01	8	3,681.62	8	3,305.69	8	2,928.42	8	2,550.72
1/4		1/4		1/4		1/4	4,724.52	1/4	4,390.78	1/4	4,040.55	1/4	3,673.82	1/4	3,297.86	1/4	2,920.55	1/4	2,542.86
1/2		1/2		1/2		1/2	4,717.74	1/2	4,383.66	1/2	4,033.09	1/2	3,666.01	1/2	3,290.02	1/2	2,912.68	1/2	2,534.99
3/4		3/4		3/4		3/4	4,710.94	3/4	4,376.52	3/4	4,025.60	3/4	3,658.19	3/4	3,282.19	3/4	2,904.81	3/4	2,527.12
9		9		9		9	4,704.13	9	4,369.37	9	4,018.11	9	3,650.36	9	3,274.36	9	2,896.94	9	2,519.25
1/4		1/4		1/4		1/4	4,697.33	1/4	4,362.22	1/4	4,010.62	1/4	3,642.54	1/4	3,266.52	1/4	2,889.07	1/4	2,511.38
1/2		1/2		1/2		1/2	4,690.52	1/2	4,355.07	1/2	4,003.13	1/2	3,634.71	1/2	3,258.69	1/2	2,881.21	1/2	2,503.51
3/4		3/4		3/4		3/4	4,683.69	3/4	4,347.90	3/4	3,995.61	3/4	3,626.88	3/4	3,250.85	3/4	2,873.34	3/4	2,495.64
10		10		10		10	4,676.86	10	4,340.72	10	3,988.09	10	3,619.04	10	3,243.02	10	2,865.47	10	2,487.78
1/4		1/4		1/4		1/4	4,670.03	1/4	4,333.54	1/4	3,980.57	1/4	3,611.21	1/4	3,235.19	1/4	2,857.60	1/4	2,479.91
1/2		1/2		1/2		1/2	4,663.19	1/2	4,326.37	1/2	3,973.05	1/2	3,603.37	1/2	3,227.35	1/2	2,849.73	1/2	2,472.04
3/4		3/4		3/4		3/4	4,656.33	3/4	4,319.16	3/4	3,965.50	3/4	3,595.54	3/4	3,219.50	3/4	2,841.86	3/4	2,464.17
11		11		11		11	4,649.47	11	4,311.96	11	3,957.95	11	3,587.71	11	3,211.65	11	2,833.99	11	2,456.30
1/4		1/4		1/4		1/4	4,642.60	1/4	4,304.75	1/4	3,950.40	1/4	3,579.87	1/4	3,203.80	1/4	2,826.13	1/4	2,448.43
1/2		1/2		1/2		1/2	4,635.74	1/2	4,297.55	1/2	3,942.85	1/2	3,572.04	1/2	3,195.95	1/2	2,818.26	1/2	2,440.56
3/4		3/4		3/4		3/4	4,628.85	3/4	4,290.31	3/4	3,935.28	3/4	3,564.21	3/4	3,188.08	3/4	2,810.39	3/4	2,432.70

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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# BARGE "KIRBY 28195"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,424.83	0	2,047.13	0	1,669.44	0	1,293.09	0	916.21	0	538.55	0	189.29	0		0		0	
1/4	2,416.96	1/4	2,039.27	1/4	1,661.57	1/4	1,285.27	1/4	908.34	1/4	530.69	1/4	182.67	1/4		1/4		1/4	
1/2	2,409.09	1/2	2,031.40	1/2	1,653.70	1/2	1,277.45	1/2	900.47	1/2	522.83	1/2	176.04	1/2		1/2		1/2	
3/4	2,401.22	3/4	2,023.53	3/4	1,645.84	3/4	1,269.63	3/4	892.60	3/4	515.02	3/4	169.53	3/4		3/4		3/4	
1	2,393.35	1	2,015.66	1	1,637.97	1	1,261.81	1	884.74	1	507.21	1	163.02	1		1		1	
1/4	2,385.48	1/4	2,007.79	1/4	1,630.10	1/4	1,253.99	1/4	876.87	1/4	499.40	1/4	156.50	1/4		1/4		1/4	
1/2	2,377.62	1/2	1,999.92	1/2	1,622.23	1/2	1,246.17	1/2	869.00	1/2	491.59	1/2	149.99	1/2		1/2		1/2	
3/4	2,369.75	3/4	1,992.05	3/4	1,614.36	3/4	1,238.35	3/4	861.13	3/4	483.87	3/4	143.59	3/4		3/4		3/4	
2	2,361.88	2	1,984.19	2	1,606.49	2	1,230.53	2	853.26	2	476.15	2	137.19	2		2		2	
1/4	2,354.01	1/4	1,976.32	1/4	1,598.62	1/4	1,222.71	1/4	845.39	1/4	468.43	1/4	130.80	1/4		1/4		1/4	
1/2	2,346.14	1/2	1,968.45	1/2	1,590.76	1/2	1,214.89	1/2	837.53	1/2	460.72	1/2	124.40	1/2		1/2		1/2	
3/4	2,338.27	3/4	1,960.58	3/4	1,582.89	3/4	1,207.07	3/4	829.66	3/4	453.11	3/4	118.12	3/4		3/4		3/4	
3	2,330.40	3	1,952.71	3	1,575.02	3	1,199.25	3	821.79	3	445.50	3	111.85	3		3		3	
1/4	2,322.54	1/4	1,944.84	1/4	1,567.15	1/4	1,191.44	1/4	813.92	1/4	437.89	1/4	105.57	1/4		1/4		1/4	
1/2	2,314.67	1/2	1,936.97	1/2	1,559.28	1/2	1,183.62	1/2	806.05	1/2	430.28	1/2	99.29	1/2		1/2		1/2	
3/4	2,306.80	3/4	1,929.11	3/4	1,551.42	3/4	1,175.78	3/4	798.18	3/4	422.78	3/4	93.15	3/4		3/4		3/4	
4	2,298.93	4	1,921.24	4	1,543.57	4	1,167.94	4	790.31	4	415.28	4	87.00	4		4		4	
1/4	2,291.06	1/4	1,913.37	1/4	1,535.71	1/4	1,160.10	1/4	782.45	1/4	407.78	1/4	80.85	1/4		1/4		1/4	
1/2	2,283.19	1/2	1,905.50	1/2	1,527.85	1/2	1,152.26	1/2	774.58	1/2	400.28	1/2	74.70	1/2		1/2		1/2	
3/4	2,275.32	3/4	1,897.63	3/4	1,520.01	3/4	1,144.39	3/4	766.71	3/4	392.89	3/4	68.70	3/4		3/4		3/4	
5	2,267.45	5	1,889.76	5	1,512.17	5	1,136.52	5	758.84	5	385.50	5	62.69	5		5		5	
1/4	2,259.59	1/4	1,881.89	1/4	1,504.33	1/4	1,128.66	1/4	750.97	1/4	378.11	1/4	56.68	1/4		1/4		1/4	
1/2	2,251.72	1/2	1,874.02	1/2	1,496.49	1/2	1,120.79	1/2	743.10	1/2	370.72	1/2	50.68	1/2		1/2		1/2	
3/4	2,243.85	3/4	1,866.16	3/4	1,488.66	3/4	1,112.92	3/4	735.24	3/4	363.44	3/4	45.26	3/4		3/4		3/4	
6	2,235.98	6	1,858.29	6	1,480.82	6	1,105.05	6	727.37	6	356.16	6	39.85	6		6		6	
1/4	2,228.11	1/4	1,850.42	1/4	1,472.99	1/4	1,097.18	1/4	719.50	1/4	348.88	1/4	34.44	1/4		1/4		1/4	
1/2	2,220.24	1/2	1,842.55	1/2	1,465.16	1/2	1,089.31	1/2	711.63	1/2	341.60	1/2	29.02	1/2		1/2		1/2	
3/4	2,212.37	3/4	1,834.68	3/4	1,457.33	3/4	1,081.45	3/4	703.76	3/4	334.43	3/4	25.06	3/4		3/4		3/4	
7	2,204.51	7	1,826.81	7	1,449.50	7	1,073.58	7	695.89	7	327.26	7	21.10	7		7		7	
1/4	2,196.64	1/4	1,818.94	1/4	1,441.68	1/4	1,065.71	1/4	688.03	1/4	320.08	1/4	17.14	1/4		1/4		1/4	
1/2	2,188.77	1/2	1,811.08	1/2	1,433.85	1/2	1,057.84	1/2	680.16	1/2	312.91	1/2	13.18	1/2		1/2		1/2	
3/4	2,180.90	3/4	1,803.21	3/4	1,426.03	3/4	1,049.97	3/4	672.29	3/4	305.85	3/4		3/4		3/4		3/4	
8	2,173.03	8	1,795.34	8	1,418.20	8	1,042.10	8	664.42	8	298.79	8		8		8		8	
1/4	2,165.16	1/4	1,787.47	1/4	1,410.38	1/4	1,034.24	1/4	656.55	1/4	291.73	1/4		1/4		1/4		1/4	
1/2	2,157.29	1/2	1,779.60	1/2	1,402.56	1/2	1,026.37	1/2	648.68	1/2	284.66	1/2		1/2		1/2		1/2	
3/4	2,149.43	3/4	1,771.73	3/4	1,394.74	3/4	1,018.50	3/4	640.82	3/4	277.71	3/4		3/4		3/4		3/4	
9	2,141.56	9	1,763.86	9	1,386.92	9	1,010.63	9	632.95	9	270.76	9		9		9		9	
1/4	2,133.69	1/4	1,756.00	1/4	1,379.10	1/4	1,002.76	1/4	625.08	1/4	263.81	1/4		1/4		1/4		1/4	
1/2	2,125.82	1/2	1,748.13	1/2	1,371.28	1/2	994.89	1/2	617.21	1/2	256.85	1/2		1/2		1/2		1/2	
3/4	2,117.95	3/4	1,740.26	3/4	1,363.46	3/4	987.02	3/4	609.34	3/4	250.01	3/4		3/4		3/4		3/4	
10	2,110.08	10	1,732.39	10	1,355.64	10	979.16	10	601.47	10	243.16	10		10		10		10	
1/4	2,102.21	1/4	1,724.52	1/4	1,347.82	1/4	971.29	1/4	593.60	1/4	236.32	1/4		1/4		1/4		1/4	
1/2	2,094.35	1/2	1,716.65	1/2	1,340.00	1/2	963.42	1/2	585.74	1/2	229.48	1/2		1/2		1/2		1/2	
3/4	2,086.48	3/4	1,708.78	3/4	1,332.18	3/4	955.55	3/4	577.87	3/4	222.74	3/4		3/4		3/4		3/4	
11	2,078.61	11	1,700.92	11	1,324.36	11	947.68	11	570.00	11	216.01	11		11		11		11	
1/4	2,070.74	1/4	1,693.05	1/4	1,316.54	1/4	939.81	1/4	562.13	1/4	209.27	1/4		1/4		1/4		1/4	
1/2	2,062.87	1/2	1,685.18	1/2	1,308.72	1/2	931.95	1/2	554.26	1/2	202.54	1/2		1/2		1/2		1/2	
3/4	2,055.00	3/4	1,677.31	3/4	1,300.91	3/4	924.08	3/4	546.40	3/4	195.92	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/19/2013 SW  
CALCULATED: 11/20/2013 CL  
VERIFIED: 01/10/2024 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2024





# BARGE "KIRBY 28195"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,630.63	0	4,292.09	0	3,937.05	0	3,565.98	0	3,189.85	0	2,812.16
1/4		1/4		1/4		1/4	4,956.01	1/4	4,623.74	1/4	4,284.85	1/4	3,929.47	1/4	3,558.15	1/4	3,181.98	1/4	2,804.29
1/2		1/2		1/2		1/2	4,950.64	1/2	4,616.86	1/2	4,277.62	1/2	3,921.90	1/2	3,550.31	1/2	3,174.12	1/2	2,796.42
3/4		3/4		3/4		3/4	4,945.26	3/4	4,609.97	3/4	4,270.38	3/4	3,914.32	3/4	3,542.48	3/4	3,166.25	3/4	2,788.55
1		1		1		1	4,938.59	1	4,603.05	1	4,263.12	1	3,906.71	1	3,534.65	1	3,158.38	1	2,780.69
1/4		1/4		1/4		1/4	4,931.92	1/4	4,596.14	1/4	4,255.86	1/4	3,899.10	1/4	3,526.81	1/4	3,150.51	1/4	2,772.82
1/2		1/2		1/2		1/2	4,925.25	1/2	4,589.22	1/2	4,248.60	1/2	3,891.50	1/2	3,518.98	1/2	3,142.64	1/2	2,764.95
3/4		3/4		3/4		3/4	4,918.58	3/4	4,582.31	3/4	4,241.34	3/4	3,883.89	3/4	3,511.14	3/4	3,134.77	3/4	2,757.08
2		2		2		2	4,910.97	2	4,575.36	2	4,234.06	2	3,876.26	2	3,503.31	2	3,126.90	2	2,749.21
1/4		1/4		1/4		1/4	4,903.37	1/4	4,568.42	1/4	4,226.77	1/4	3,868.63	1/4	3,495.48	1/4	3,119.03	1/4	2,741.34
1/2		1/2		1/2		1/2	4,895.76	1/2	4,561.48	1/2	4,219.48	1/2	3,860.99	1/2	3,487.64	1/2	3,111.17	1/2	2,733.47
3/4		3/4		3/4		3/4	4,888.16	3/4	4,554.53	3/4	4,212.20	3/4	3,853.36	3/4	3,479.81	3/4	3,103.30	3/4	2,725.60
3		3		3		3	4,880.33	3	4,547.56	3	4,204.88	3	3,845.70	3	3,471.98	3	3,095.43	3	2,717.74
1/4		1/4		1/4		1/4	4,872.49	1/4	4,540.58	1/4	4,197.56	1/4	3,838.04	1/4	3,464.14	1/4	3,087.56	1/4	2,709.87
1/2		1/2		1/2		1/2	4,864.66	1/2	4,533.61	1/2	4,190.24	1/2	3,830.38	1/2	3,456.31	1/2	3,079.69	1/2	2,702.00
3/4		3/4		3/4		3/4	4,856.82	3/4	4,526.64	3/4	4,182.93	3/4	3,822.72	3/4	3,448.47	3/4	3,071.82	3/4	2,694.13
4		4		4		4	4,849.42	4	4,519.64	4	4,175.58	4	3,815.04	4	3,440.64	4	3,063.95	4	2,686.26
1/4		1/4		1/4		1/4	4,842.02	1/4	4,512.63	1/4	4,168.24	1/4	3,807.35	1/4	3,432.81	1/4	3,056.09	1/4	2,678.39
1/2		1/2		1/2		1/2	4,834.62	1/2	4,505.63	1/2	4,160.89	1/2	3,799.66	1/2	3,424.97	1/2	3,048.22	1/2	2,670.52
3/4		3/4		3/4		3/4	4,827.22	3/4	4,498.63	3/4	4,153.55	3/4	3,791.97	3/4	3,417.14	3/4	3,040.35	3/4	2,662.66
5		5		5		5	4,820.53	5	4,491.60	5	4,146.17	5	3,784.25	5	3,409.31	5	3,032.48	5	2,654.79
1/4		1/4		1/4		1/4	4,813.85	1/4	4,484.57	1/4	4,138.80	1/4	3,776.53	1/4	3,401.47	1/4	3,024.61	1/4	2,646.92
1/2		1/2		1/2		1/2	4,807.16	1/2	4,477.54	1/2	4,131.42	1/2	3,768.82	1/2	3,393.64	1/2	3,016.74	1/2	2,639.05
3/4		3/4		3/4		3/4	4,800.47	3/4	4,470.51	3/4	4,124.05	3/4	3,761.10	3/4	3,385.80	3/4	3,008.87	3/4	2,631.18
6		6		6		6	4,793.75	6	4,463.45	6	4,116.65	6	3,753.35	6	3,377.97	6	3,001.01	6	2,623.31
1/4		1/4		1/4		1/4	4,787.04	1/4	4,456.39	1/4	4,109.24	1/4	3,745.60	1/4	3,370.14	1/4	2,993.14	1/4	2,615.44
1/2		1/2		1/2		1/2	4,780.32	1/2	4,449.33	1/2	4,101.84	1/2	3,737.86	1/2	3,362.30	1/2	2,985.27	1/2	2,607.58
3/4		3/4		3/4		3/4	4,773.60	3/4	4,442.27	3/4	4,094.44	3/4	3,730.11	3/4	3,354.47	3/4	2,977.40	3/4	2,599.71
7		7		7		7	4,766.86	7	4,435.18	7	4,087.00	7	3,722.33	7	3,346.64	7	2,969.53	7	2,591.84
1/4		1/4		1/4		1/4	4,760.11	1/4	4,428.09	1/4	4,079.57	1/4	3,714.56	1/4	3,338.80	1/4	2,961.66	1/4	2,583.97
1/2		1/2		1/2		1/2	4,753.36	1/2	4,421.00	1/2	4,072.14	1/2	3,706.78	1/2	3,330.97	1/2	2,953.79	1/2	2,576.10
3/4		3/4		3/4		3/4	4,746.62	3/4	4,413.91	3/4	4,064.71	3/4	3,699.01	3/4	3,323.13	3/4	2,945.93	3/4	2,568.23
8		8		8		8	4,739.84	8	4,406.79	8	4,057.25	8	3,691.20	8	3,315.30	8	2,938.06	8	2,560.36
1/4		1/4		1/4		1/4	4,733.07	1/4	4,399.67	1/4	4,049.79	1/4	3,683.40	1/4	3,307.47	1/4	2,930.19	1/4	2,552.50
1/2		1/2		1/2		1/2	4,726.29	1/2	4,392.56	1/2	4,042.32	1/2	3,675.59	1/2	3,299.63	1/2	2,922.32	1/2	2,544.63
3/4		3/4		3/4		3/4	4,719.52	3/4	4,385.44	3/4	4,034.86	3/4	3,667.79	3/4	3,291.80	3/4	2,914.45	3/4	2,536.76
9		9		9		9	4,712.71	9	4,378.29	9	4,027.37	9	3,659.96	9	3,283.96	9	2,906.58	9	2,528.89
1/4		1/4		1/4		1/4	4,705.91	1/4	4,371.14	1/4	4,019.88	1/4	3,652.14	1/4	3,276.13	1/4	2,898.71	1/4	2,521.02
1/2		1/2		1/2		1/2	4,699.10	1/2	4,364.00	1/2	4,012.39	1/2	3,644.31	1/2	3,268.30	1/2	2,890.85	1/2	2,513.15
3/4		3/4		3/4		3/4	4,692.30	3/4	4,356.85	3/4	4,004.90	3/4	3,636.49	3/4	3,260.46	3/4	2,882.98	3/4	2,505.28
10		10		10		10	4,685.47	10	4,349.67	10	3,997.38	10	3,628.65	10	3,252.63	10	2,875.11	10	2,497.42
1/4		1/4		1/4		1/4	4,678.63	1/4	4,342.50	1/4	3,989.86	1/4	3,620.82	1/4	3,244.80	1/4	2,867.24	1/4	2,489.55
1/2		1/2		1/2		1/2	4,671.80	1/2	4,335.32	1/2	3,982.34	1/2	3,612.98	1/2	3,236.96	1/2	2,859.37	1/2	2,481.68
3/4		3/4		3/4		3/4	4,664.97	3/4	4,328.14	3/4	3,974.82	3/4	3,605.15	3/4	3,229.13	3/4	2,851.50	3/4	2,473.81
11		11		11		11	4,658.11	11	4,320.94	11	3,967.28	11	3,597.32	11	3,221.28	11	2,843.63	11	2,465.94
1/4		1/4		1/4		1/4	4,651.24	1/4	4,313.73	1/4	3,959.73	1/4	3,589.48	1/4	3,213.42	1/4	2,835.77	1/4	2,458.07
1/2		1/2		1/2		1/2	4,644.38	1/2	4,306.53	1/2	3,952.18	1/2	3,581.65	1/2	3,205.57	1/2	2,827.90	1/2	2,450.20
3/4		3/4		3/4		3/4	4,637.52	3/4	4,299.32	3/4	3,944.63	3/4	3,573.82	3/4	3,197.72	3/4	2,820.03	3/4	2,442.34

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "KIRBY 28195"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,434.47	0	2,056.77	0	1,679.08	0	1,301.39	0	923.97	0	546.40	0	195.92	0		0		0	
1/4	2,426.60	1/4	2,048.91	1/4	1,671.21	1/4	1,293.52	1/4	916.11	1/4	538.55	1/4	189.29	1/4		1/4		1/4	
1/2	2,418.73	1/2	2,041.04	1/2	1,663.34	1/2	1,285.65	1/2	908.25	1/2	530.69	1/2	182.67	1/2		1/2		1/2	
3/4	2,410.86	3/4	2,033.17	3/4	1,655.48	3/4	1,277.78	3/4	900.40	3/4	522.83	3/4	176.04	3/4		3/4		3/4	
1	2,402.99	1	2,025.30	1	1,647.61	1	1,269.91	1	892.54	1	515.02	1	169.53	1		1		1	
1/4	2,395.12	1/4	2,017.43	1/4	1,639.74	1/4	1,262.05	1/4	884.68	1/4	507.21	1/4	163.02	1/4		1/4		1/4	
1/2	2,387.26	1/2	2,009.56	1/2	1,631.87	1/2	1,254.18	1/2	876.83	1/2	499.40	1/2	156.50	1/2		1/2		1/2	
3/4	2,379.39	3/4	2,001.69	3/4	1,624.00	3/4	1,246.31	3/4	868.97	3/4	491.59	3/4	149.99	3/4		3/4		3/4	
2	2,371.52	2	1,993.83	2	1,616.13	2	1,238.44	2	861.11	2	483.87	2	143.59	2		2		2	
1/4	2,363.65	1/4	1,985.96	1/4	1,608.26	1/4	1,230.57	1/4	853.25	1/4	476.15	1/4	137.19	1/4		1/4		1/4	
1/2	2,355.78	1/2	1,978.09	1/2	1,600.40	1/2	1,222.70	1/2	845.39	1/2	468.43	1/2	130.80	1/2		1/2		1/2	
3/4	2,347.91	3/4	1,970.22	3/4	1,592.53	3/4	1,214.83	3/4	837.53	3/4	460.72	3/4	124.40	3/4		3/4		3/4	
3	2,340.04	3	1,962.35	3	1,584.66	3	1,206.97	3	829.66	3	453.11	3	118.12	3		3		3	
1/4	2,332.17	1/4	1,954.48	1/4	1,576.79	1/4	1,199.10	1/4	821.79	1/4	445.50	1/4	111.85	1/4		1/4		1/4	
1/2	2,324.31	1/2	1,946.61	1/2	1,568.92	1/2	1,191.23	1/2	813.92	1/2	437.89	1/2	105.57	1/2		1/2		1/2	
3/4	2,316.44	3/4	1,938.74	3/4	1,561.05	3/4	1,183.36	3/4	806.05	3/4	430.28	3/4	99.29	3/4		3/4		3/4	
4	2,308.57	4	1,930.88	4	1,553.18	4	1,175.49	4	798.18	4	422.78	4	93.15	4		4		4	
1/4	2,300.70	1/4	1,923.01	1/4	1,545.31	1/4	1,167.62	1/4	790.31	1/4	415.28	1/4	87.00	1/4		1/4		1/4	
1/2	2,292.83	1/2	1,915.14	1/2	1,537.45	1/2	1,159.75	1/2	782.45	1/2	407.78	1/2	80.85	1/2		1/2		1/2	
3/4	2,284.96	3/4	1,907.27	3/4	1,529.58	3/4	1,151.88	3/4	774.58	3/4	400.28	3/4	74.70	3/4		3/4		3/4	
5	2,277.09	5	1,899.40	5	1,521.71	5	1,144.02	5	766.71	5	392.89	5	68.70	5		5		5	
1/4	2,269.23	1/4	1,891.53	1/4	1,513.84	1/4	1,136.15	1/4	758.84	1/4	385.50	1/4	62.69	1/4		1/4		1/4	
1/2	2,261.36	1/2	1,883.66	1/2	1,505.97	1/2	1,128.28	1/2	750.97	1/2	378.11	1/2	56.68	1/2		1/2		1/2	
3/4	2,253.49	3/4	1,875.80	3/4	1,498.10	3/4	1,120.41	3/4	743.10	3/4	370.72	3/4	50.68	3/4		3/4		3/4	
6	2,245.62	6	1,867.93	6	1,490.23	6	1,112.55	6	735.24	6	363.44	6	45.26	6		6		6	
1/4	2,237.75	1/4	1,860.06	1/4	1,482.37	1/4	1,104.68	1/4	727.37	1/4	356.16	1/4	39.85	1/4		1/4		1/4	
1/2	2,229.88	1/2	1,852.19	1/2	1,474.50	1/2	1,096.82	1/2	719.50	1/2	348.88	1/2	34.44	1/2		1/2		1/2	
3/4	2,222.01	3/4	1,844.32	3/4	1,466.63	3/4	1,088.96	3/4	711.63	3/4	341.60	3/4	29.02	3/4		3/4		3/4	
7	2,214.15	7	1,836.45	7	1,458.76	7	1,081.10	7	703.76	7	334.43	7	25.06	7		7		7	
1/4	2,206.28	1/4	1,828.58	1/4	1,450.89	1/4	1,073.24	1/4	695.89	1/4	327.26	1/4	21.10	1/4		1/4		1/4	
1/2	2,198.41	1/2	1,820.72	1/2	1,443.02	1/2	1,065.39	1/2	688.03	1/2	320.08	1/2	17.14	1/2		1/2		1/2	
3/4	2,190.54	3/4	1,812.85	3/4	1,435.15	3/4	1,057.53	3/4	680.16	3/4	312.91	3/4	13.18	3/4		3/4		3/4	
8	2,182.67	8	1,804.98	8	1,427.29	8	1,049.67	8	672.29	8	305.85	8		8		8		8	
1/4	2,174.80	1/4	1,797.11	1/4	1,419.42	1/4	1,041.82	1/4	664.42	1/4	298.79	1/4		1/4		1/4		1/4	
1/2	2,166.93	1/2	1,789.24	1/2	1,411.55	1/2	1,033.96	1/2	656.55	1/2	291.73	1/2		1/2		1/2		1/2	
3/4	2,159.07	3/4	1,781.37	3/4	1,403.68	3/4	1,026.10	3/4	648.68	3/4	284.66	3/4		3/4		3/4		3/4	
9	2,151.20	9	1,773.50	9	1,395.81	9	1,018.25	9	640.82	9	277.71	9		9		9		9	
1/4	2,143.33	1/4	1,765.64	1/4	1,387.94	1/4	1,010.39	1/4	632.95	1/4	270.76	1/4		1/4		1/4		1/4	
1/2	2,135.46	1/2	1,757.77	1/2	1,380.07	1/2	1,002.53	1/2	625.08	1/2	263.81	1/2		1/2		1/2		1/2	
3/4	2,127.59	3/4	1,749.90	3/4	1,372.21	3/4	994.68	3/4	617.21	3/4	256.85	3/4		3/4		3/4		3/4	
10	2,119.72	10	1,742.03	10	1,364.34	10	986.82	10	609.34	10	250.01	10		10		10		10	
1/4	2,111.85	1/4	1,734.16	1/4	1,356.47	1/4	978.96	1/4	601.47	1/4	243.16	1/4		1/4		1/4		1/4	
1/2	2,103.99	1/2	1,726.29	1/2	1,348.60	1/2	971.11	1/2	593.60	1/2	236.32	1/2		1/2		1/2		1/2	
3/4	2,096.12	3/4	1,718.42	3/4	1,340.73	3/4	963.25	3/4	585.74	3/4	229.48	3/4		3/4		3/4		3/4	
11	2,088.25	11	1,710.56	11	1,332.86	11	955.39	11	577.87	11	222.74	11		11		11		11	
1/4	2,080.38	1/4	1,702.69	1/4	1,324.99	1/4	947.54	1/4	570.00	1/4	216.01	1/4		1/4		1/4		1/4	
1/2	2,072.51	1/2	1,694.82	1/2	1,317.13	1/2	939.68	1/2	562.13	1/2	209.27	1/2		1/2		1/2		1/2	
3/4	2,064.64	3/4	1,686.95	3/4	1,309.26	3/4	931.82	3/4	554.26	3/4	202.54	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/19/2013 SW  
CALCULATED: 11/20/2013 CL  
VERIFIED: 01/10/2024 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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Pearland, Texas 77588

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CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2024





# BARGE "KIRBY 28195"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,457.83	0	4,134.53	0	3,796.08	0	3,442.92	0	3,085.10	0	2,725.85
1/4		1/4		1/4		1/4	4,768.44	1/4	4,451.25	1/4	4,127.62	1/4	3,788.86	1/4	3,435.46	1/4	3,077.62	1/4	2,718.36
1/2		1/2		1/2		1/2	4,763.32	1/2	4,444.67	1/2	4,120.72	1/2	3,781.65	1/2	3,428.01	1/2	3,070.14	1/2	2,710.88
3/4		3/4		3/4		3/4	4,758.21	3/4	4,438.08	3/4	4,113.82	3/4	3,774.43	3/4	3,420.56	3/4	3,062.65	3/4	2,703.40
1		1		1		1	4,751.86	1	4,431.47	1	4,106.89	1	3,767.18	1	3,413.11	1	3,055.17	1	2,695.91
1/4		1/4		1/4		1/4	4,745.52	1/4	4,424.86	1/4	4,099.97	1/4	3,759.94	1/4	3,405.65	1/4	3,047.68	1/4	2,688.43
1/2		1/2		1/2		1/2	4,739.17	1/2	4,418.26	1/2	4,093.04	1/2	3,752.69	1/2	3,398.20	1/2	3,040.20	1/2	2,680.94
3/4		3/4		3/4		3/4	4,732.83	3/4	4,411.65	3/4	4,086.12	3/4	3,745.45	3/4	3,390.75	3/4	3,032.71	3/4	2,673.46
2		2		2		2	4,725.59	2	4,405.01	2	4,079.17	2	3,738.18	2	3,383.30	2	3,025.23	2	2,665.97
1/4		1/4		1/4		1/4	4,718.36	1/4	4,398.37	1/4	4,072.22	1/4	3,730.92	1/4	3,375.84	1/4	3,017.74	1/4	2,658.49
1/2		1/2		1/2		1/2	4,711.13	1/2	4,391.74	1/2	4,065.27	1/2	3,723.65	1/2	3,368.39	1/2	3,010.26	1/2	2,651.00
3/4		3/4		3/4		3/4	4,703.90	3/4	4,385.10	3/4	4,058.32	3/4	3,716.38	3/4	3,360.94	3/4	3,002.78	3/4	2,643.52
3		3		3		3	4,696.45	3	4,378.44	3	4,051.34	3	3,709.09	3	3,353.49	3	2,995.29	3	2,636.03
1/4		1/4		1/4		1/4	4,688.99	1/4	4,371.78	1/4	4,044.36	1/4	3,701.80	1/4	3,346.03	1/4	2,987.81	1/4	2,628.55
1/2		1/2		1/2		1/2	4,681.54	1/2	4,365.12	1/2	4,037.38	1/2	3,694.51	1/2	3,338.58	1/2	2,980.32	1/2	2,621.07
3/4		3/4		3/4		3/4	4,674.09	3/4	4,358.46	3/4	4,030.40	3/4	3,687.21	3/4	3,331.13	3/4	2,972.84	3/4	2,613.58
4		4		4		4	4,667.03	4	4,351.77	4	4,023.40	4	3,679.89	4	3,323.68	4	2,965.35	4	2,606.10
1/4		1/4		1/4		1/4	4,659.98	1/4	4,345.08	1/4	4,016.40	1/4	3,672.57	1/4	3,316.23	1/4	2,957.87	1/4	2,598.61
1/2		1/2		1/2		1/2	4,652.92	1/2	4,338.39	1/2	4,009.39	1/2	3,665.25	1/2	3,308.77	1/2	2,950.38	1/2	2,591.13
3/4		3/4		3/4		3/4	4,645.87	3/4	4,331.70	3/4	4,002.39	3/4	3,657.94	3/4	3,301.32	3/4	2,942.90	3/4	2,583.64
5		5		5		5	4,639.47	5	4,324.98	5	3,995.36	5	3,650.59	5	3,293.87	5	2,935.41	5	2,576.16
1/4		1/4		1/4		1/4	4,633.07	1/4	4,318.27	1/4	3,988.33	1/4	3,643.24	1/4	3,286.42	1/4	2,927.93	1/4	2,568.67
1/2		1/2		1/2		1/2	4,626.67	1/2	4,311.55	1/2	3,981.30	1/2	3,635.90	1/2	3,278.96	1/2	2,920.45	1/2	2,561.19
3/4		3/4		3/4		3/4	4,620.27	3/4	4,304.84	3/4	3,974.27	3/4	3,628.55	3/4	3,271.51	3/4	2,912.96	3/4	2,553.71
6		6		6		6	4,613.84	6	4,298.10	6	3,967.21	6	3,621.18	6	3,264.06	6	2,905.48	6	2,546.22
1/4		1/4		1/4		1/4	4,607.41	1/4	4,291.35	1/4	3,960.15	1/4	3,613.81	1/4	3,256.61	1/4	2,897.99	1/4	2,538.74
1/2		1/2		1/2		1/2	4,600.99	1/2	4,284.61	1/2	3,953.10	1/2	3,606.43	1/2	3,249.15	1/2	2,890.51	1/2	2,531.25
3/4		3/4		3/4		3/4	4,594.56	3/4	4,277.87	3/4	3,946.04	3/4	3,599.06	3/4	3,241.70	3/4	2,883.02	3/4	2,523.77
7		7		7		7	4,588.11	7	4,271.10	7	3,938.95	7	3,591.66	7	3,234.25	7	2,875.54	7	2,516.28
1/4		1/4		1/4		1/4	4,581.65	1/4	4,264.33	1/4	3,931.87	1/4	3,584.27	1/4	3,226.80	1/4	2,868.05	1/4	2,508.80
1/2		1/2		1/2		1/2	4,575.20	1/2	4,257.57	1/2	3,924.79	1/2	3,576.87	1/2	3,219.34	1/2	2,860.57	1/2	2,501.31
3/4		3/4		3/4		3/4	4,568.74	3/4	4,250.80	3/4	3,917.70	3/4	3,569.47	3/4	3,211.89	3/4	2,853.09	3/4	2,493.83
8		8		8		8	4,562.26	8	4,244.00	8	3,910.59	8	3,562.04	8	3,204.44	8	2,845.60	8	2,486.34
1/4		1/4		1/4		1/4	4,555.78	1/4	4,237.21	1/4	3,903.48	1/4	3,554.62	1/4	3,196.99	1/4	2,838.12	1/4	2,478.86
1/2		1/2		1/2		1/2	4,549.30	1/2	4,230.41	1/2	3,896.37	1/2	3,547.19	1/2	3,189.53	1/2	2,830.63	1/2	2,471.38
3/4		3/4		3/4		3/4	4,542.82	3/4	4,223.61	3/4	3,889.26	3/4	3,539.77	3/4	3,182.08	3/4	2,823.15	3/4	2,463.89
9		9		9		9	4,536.32	9	4,216.79	9	3,882.13	9	3,532.32	9	3,174.63	9	2,815.66	9	2,456.41
1/4		1/4		1/4		1/4	4,529.81	1/4	4,209.97	1/4	3,874.99	1/4	3,524.88	1/4	3,167.18	1/4	2,808.18	1/4	2,448.92
1/2		1/2		1/2		1/2	4,523.30	1/2	4,203.15	1/2	3,867.85	1/2	3,517.43	1/2	3,159.72	1/2	2,800.69	1/2	2,441.44
3/4		3/4		3/4		3/4	4,516.79	3/4	4,196.33	3/4	3,860.71	3/4	3,509.99	3/4	3,152.27	3/4	2,793.21	3/4	2,433.95
10		10		10		10	4,510.26	10	4,189.48	10	3,853.55	10	3,502.54	10	3,144.82	10	2,785.72	10	2,426.47
1/4		1/4		1/4		1/4	4,503.73	1/4	4,182.63	1/4	3,846.39	1/4	3,495.08	1/4	3,137.37	1/4	2,778.24	1/4	2,418.98
1/2		1/2		1/2		1/2	4,497.19	1/2	4,175.78	1/2	3,839.22	1/2	3,487.63	1/2	3,129.92	1/2	2,770.76	1/2	2,411.50
3/4		3/4		3/4		3/4	4,490.66	3/4	4,168.93	3/4	3,832.06	3/4	3,480.18	3/4	3,122.46	3/4	2,763.27	3/4	2,404.02
11		11		11		11	4,484.10	11	4,162.05	11	3,824.87	11	3,472.73	11	3,114.99	11	2,755.79	11	2,396.53
1/4		1/4		1/4		1/4	4,477.54	1/4	4,155.18	1/4	3,817.68	1/4	3,465.27	1/4	3,107.53	1/4	2,748.30	1/4	2,389.05
1/2		1/2		1/2		1/2	4,470.98	1/2	4,148.30	1/2	3,810.49	1/2	3,457.82	1/2	3,100.06	1/2	2,740.82	1/2	2,381.56
3/4		3/4		3/4		3/4	4,464.41	3/4	4,141.43	3/4	3,803.30	3/4	3,450.37	3/4	3,092.59	3/4	2,733.33	3/4	2,374.08

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "KIRBY 28195"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,366.59	0	2,007.34	0	1,648.08	0	1,297.46	0	952.41	0	594.83	0	235.58	0		0		0	
1/4	2,359.11	1/4	1,999.85	1/4	1,640.60	1/4	1,290.25	1/4	945.23	1/4	587.34	1/4	228.10	1/4		1/4		1/4	
1/2	2,351.62	1/2	1,992.37	1/2	1,633.11	1/2	1,283.05	1/2	938.05	1/2	579.86	1/2	220.61	1/2		1/2		1/2	
3/4	2,344.14	3/4	1,984.88	3/4	1,625.63	3/4	1,275.85	3/4	930.87	3/4	572.37	3/4	213.13	3/4		3/4		3/4	
1	2,336.65	1	1,977.40	1	1,618.14	1	1,268.65	1	923.57	1	564.89	1	205.65	1		1		1	
1/4	2,329.17	1/4	1,969.91	1/4	1,610.66	1/4	1,261.45	1/4	916.28	1/4	557.41	1/4	198.16	1/4		1/4		1/4	
1/2	2,321.69	1/2	1,962.43	1/2	1,603.17	1/2	1,254.25	1/2	908.98	1/2	549.92	1/2	190.68	1/2		1/2		1/2	
3/4	2,314.20	3/4	1,954.95	3/4	1,595.69	3/4	1,247.05	3/4	901.68	3/4	542.44	3/4	183.20	3/4		3/4		3/4	
2	2,306.72	2	1,947.46	2	1,588.20	2	1,239.84	2	894.20	2	534.95	2	175.72	2		2		2	
1/4	2,299.23	1/4	1,939.98	1/4	1,580.72	1/4	1,232.64	1/4	886.71	1/4	527.47	1/4	168.25	1/4		1/4		1/4	
1/2	2,291.75	1/2	1,932.49	1/2	1,573.24	1/2	1,225.44	1/2	879.23	1/2	519.98	1/2	160.77	1/2		1/2		1/2	
3/4	2,284.26	3/4	1,925.01	3/4	1,565.75	3/4	1,218.24	3/4	871.75	3/4	512.50	3/4	153.30	3/4		3/4		3/4	
3	2,276.78	3	1,917.52	3	1,558.27	3	1,211.04	3	864.26	3	505.02	3	145.83	3		3		3	
1/4	2,269.29	1/4	1,910.04	1/4	1,550.78	1/4	1,203.85	1/4	856.78	1/4	497.53	1/4	138.37	1/4		1/4		1/4	
1/2	2,261.81	1/2	1,902.55	1/2	1,543.30	1/2	1,196.65	1/2	849.29	1/2	490.05	1/2	130.90	1/2		1/2		1/2	
3/4	2,254.33	3/4	1,895.07	3/4	1,535.81	3/4	1,189.45	3/4	841.81	3/4	482.56	3/4	123.44	3/4		3/4		3/4	
4	2,246.84	4	1,887.58	4	1,528.33	4	1,182.26	4	834.32	4	475.08	4	115.99	4		4		4	
1/4	2,239.36	1/4	1,880.10	1/4	1,521.06	1/4	1,175.08	1/4	826.84	1/4	467.59	1/4	108.54	1/4		1/4		1/4	
1/2	2,231.87	1/2	1,872.62	1/2	1,513.68	1/2	1,167.89	1/2	819.36	1/2	460.11	1/2	101.10	1/2		1/2		1/2	
3/4	2,224.39	3/4	1,865.13	3/4	1,506.30	3/4	1,160.70	3/4	811.87	3/4	452.63	3/4	93.65	3/4		3/4		3/4	
5	2,216.90	5	1,857.65	5	1,499.10	5	1,153.51	5	804.39	5	445.14	5	86.24	5		5		5	
1/4	2,209.42	1/4	1,850.16	1/4	1,491.90	1/4	1,146.33	1/4	796.90	1/4	437.66	1/4	78.82	1/4		1/4		1/4	
1/2	2,201.93	1/2	1,842.68	1/2	1,484.70	1/2	1,139.14	1/2	789.42	1/2	430.17	1/2	71.40	1/2		1/2		1/2	
3/4	2,194.45	3/4	1,835.19	3/4	1,477.49	3/4	1,131.95	3/4	781.93	3/4	422.69	3/4	63.99	3/4		3/4		3/4	
6	2,186.96	6	1,827.71	6	1,470.29	6	1,124.77	6	774.45	6	415.20	6	57.03	6		6		6	
1/4	2,179.48	1/4	1,820.22	1/4	1,463.09	1/4	1,117.59	1/4	766.97	1/4	407.72	1/4	50.08	1/4		1/4		1/4	
1/2	2,172.00	1/2	1,812.74	1/2	1,455.89	1/2	1,110.41	1/2	759.48	1/2	400.24	1/2	43.12	1/2		1/2		1/2	
3/4	2,164.51	3/4	1,805.26	3/4	1,448.69	3/4	1,103.23	3/4	752.00	3/4	392.75	3/4	36.17	3/4		3/4		3/4	
7	2,157.03	7	1,797.77	7	1,441.49	7	1,096.05	7	744.51	7	385.27	7	30.87	7		7		7	
1/4	2,149.54	1/4	1,790.29	1/4	1,434.28	1/4	1,088.86	1/4	737.03	1/4	377.78	1/4	25.57	1/4		1/4		1/4	
1/2	2,142.06	1/2	1,782.80	1/2	1,427.08	1/2	1,081.68	1/2	729.54	1/2	370.30	1/2	20.27	1/2		1/2		1/2	
3/4	2,134.57	3/4	1,775.32	3/4	1,419.88	3/4	1,074.50	3/4	722.06	3/4	362.81	3/4	14.97	3/4		3/4		3/4	
8	2,127.09	8	1,767.83	8	1,412.68	8	1,067.32	8	714.58	8	355.33	8		8		8		8	
1/4	2,119.60	1/4	1,760.35	1/4	1,405.48	1/4	1,060.14	1/4	707.09	1/4	347.84	1/4		1/4		1/4		1/4	
1/2	2,112.12	1/2	1,752.86	1/2	1,398.28	1/2	1,052.96	1/2	699.61	1/2	340.36	1/2		1/2		1/2		1/2	
3/4	2,104.64	3/4	1,745.38	3/4	1,391.08	3/4	1,045.77	3/4	692.12	3/4	332.88	3/4		3/4		3/4		3/4	
9	2,097.15	9	1,737.89	9	1,383.87	9	1,038.59	9	684.64	9	325.39	9		9		9		9	
1/4	2,089.67	1/4	1,730.41	1/4	1,376.67	1/4	1,031.41	1/4	677.15	1/4	317.91	1/4		1/4		1/4		1/4	
1/2	2,082.18	1/2	1,722.93	1/2	1,369.47	1/2	1,024.23	1/2	669.67	1/2	310.42	1/2		1/2		1/2		1/2	
3/4	2,074.70	3/4	1,715.44	3/4	1,362.27	3/4	1,017.05	3/4	662.19	3/4	302.94	3/4		3/4		3/4		3/4	
10	2,067.21	10	1,707.96	10	1,355.07	10	1,009.87	10	654.70	10	295.45	10		10		10		10	
1/4	2,059.73	1/4	1,700.47	1/4	1,347.87	1/4	1,002.68	1/4	647.22	1/4	287.97	1/4		1/4		1/4		1/4	
1/2	2,052.24	1/2	1,692.99	1/2	1,340.67	1/2	995.50	1/2	639.73	1/2	280.49	1/2		1/2		1/2		1/2	
3/4	2,044.76	3/4	1,685.50	3/4	1,333.46	3/4	988.32	3/4	632.25	3/4	273.00	3/4		3/4		3/4		3/4	
11	2,037.27	11	1,678.02	11	1,326.26	11	981.14	11	624.76	11	265.52	11		11		11		11	
1/4	2,029.79	1/4	1,670.53	1/4	1,319.06	1/4	973.96	1/4	617.28	1/4	258.03	1/4		1/4		1/4		1/4	
1/2	2,022.31	1/2	1,663.05	1/2	1,311.86	1/2	966.78	1/2	609.80	1/2	250.55	1/2		1/2		1/2		1/2	
3/4	2,014.82	3/4	1,655.57	3/4	1,304.66	3/4	959.59	3/4	602.31	3/4	243.06	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/19/2013 SW  
CALCULATED: 11/20/2013 CL  
VERIFIED: 01/10/2024 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2024





# BARGE "KIRBY 28195"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	4,481.96	0	4,158.65	0	3,820.21	0	3,467.04	0	3,109.26	0	2,749.99
1/4		1/4		1/4		1/4	4,792.56	1/4	4,475.38	1/4	4,151.75	1/4	3,812.99	1/4	3,459.59	1/4	3,101.77	1/4	2,742.51
1/2		1/2		1/2		1/2	4,787.45	1/2	4,468.79	1/2	4,144.85	1/2	3,805.77	1/2	3,452.14	1/2	3,094.29	1/2	2,735.03
3/4		3/4		3/4		3/4	4,782.34	3/4	4,462.21	3/4	4,137.95	3/4	3,798.56	3/4	3,444.69	3/4	3,086.80	3/4	2,727.54
1		1		1		1	4,775.99	1	4,455.60	1	4,131.02	1	3,791.31	1	3,437.23	1	3,079.32	1	2,720.06
1/4		1/4		1/4		1/4	4,769.65	1/4	4,448.99	1/4	4,124.10	1/4	3,784.07	1/4	3,429.78	1/4	3,071.83	1/4	2,712.57
1/2		1/2		1/2		1/2	4,763.30	1/2	4,442.38	1/2	4,117.17	1/2	3,776.82	1/2	3,422.33	1/2	3,064.35	1/2	2,705.09
3/4		3/4		3/4		3/4	4,756.96	3/4	4,435.78	3/4	4,110.25	3/4	3,769.58	3/4	3,414.88	3/4	3,056.86	3/4	2,697.60
2		2		2		2	4,749.72	2	4,429.14	2	4,103.30	2	3,762.31	2	3,407.43	2	3,049.38	2	2,690.12
1/4		1/4		1/4		1/4	4,742.49	1/4	4,422.50	1/4	4,096.35	1/4	3,755.05	1/4	3,399.97	1/4	3,041.89	1/4	2,682.63
1/2		1/2		1/2		1/2	4,735.26	1/2	4,415.87	1/2	4,089.39	1/2	3,747.78	1/2	3,392.52	1/2	3,034.41	1/2	2,675.15
3/4		3/4		3/4		3/4	4,728.03	3/4	4,409.23	3/4	4,082.44	3/4	3,740.51	3/4	3,385.07	3/4	3,026.92	3/4	2,667.66
3		3		3		3	4,720.57	3	4,402.57	3	4,075.47	3	3,733.22	3	3,377.62	3	3,019.44	3	2,660.18
1/4		1/4		1/4		1/4	4,713.12	1/4	4,395.91	1/4	4,068.49	1/4	3,725.93	1/4	3,370.16	1/4	3,011.96	1/4	2,652.69
1/2		1/2		1/2		1/2	4,705.67	1/2	4,389.25	1/2	4,061.51	1/2	3,718.63	1/2	3,362.71	1/2	3,004.47	1/2	2,645.21
3/4		3/4		3/4		3/4	4,698.22	3/4	4,382.58	3/4	4,054.53	3/4	3,711.34	3/4	3,355.26	3/4	2,996.99	3/4	2,637.73
4		4		4		4	4,691.16	4	4,375.89	4	4,047.53	4	3,704.02	4	3,347.81	4	2,989.50	4	2,630.24
1/4		1/4		1/4		1/4	4,684.11	1/4	4,369.21	1/4	4,040.52	1/4	3,696.70	1/4	3,340.35	1/4	2,982.02	1/4	2,622.76
1/2		1/2		1/2		1/2	4,677.05	1/2	4,362.52	1/2	4,033.52	1/2	3,689.38	1/2	3,332.90	1/2	2,974.53	1/2	2,615.27
3/4		3/4		3/4		3/4	4,670.00	3/4	4,355.83	3/4	4,026.52	3/4	3,682.06	3/4	3,325.45	3/4	2,967.05	3/4	2,607.79
5		5		5		5	4,663.60	5	4,349.11	5	4,019.49	5	3,674.72	5	3,318.00	5	2,959.56	5	2,600.30
1/4		1/4		1/4		1/4	4,657.20	1/4	4,342.40	1/4	4,012.46	1/4	3,667.37	1/4	3,310.54	1/4	2,952.08	1/4	2,592.82
1/2		1/2		1/2		1/2	4,650.80	1/2	4,335.68	1/2	4,005.42	1/2	3,660.03	1/2	3,303.09	1/2	2,944.59	1/2	2,585.33
3/4		3/4		3/4		3/4	4,644.40	3/4	4,328.97	3/4	3,998.39	3/4	3,652.68	3/4	3,295.64	3/4	2,937.11	3/4	2,577.85
6		6		6		6	4,637.97	6	4,322.23	6	3,991.34	6	3,645.31	6	3,288.19	6	2,929.62	6	2,570.36
1/4		1/4		1/4		1/4	4,631.54	1/4	4,315.48	1/4	3,984.28	1/4	3,637.94	1/4	3,280.73	1/4	2,922.14	1/4	2,562.88
1/2		1/2		1/2		1/2	4,625.12	1/2	4,308.74	1/2	3,977.22	1/2	3,630.56	1/2	3,273.28	1/2	2,914.66	1/2	2,555.39
3/4		3/4		3/4		3/4	4,618.69	3/4	4,302.00	3/4	3,970.17	3/4	3,623.19	3/4	3,265.83	3/4	2,907.17	3/4	2,547.91
7		7		7		7	4,612.24	7	4,295.23	7	3,963.08	7	3,615.79	7	3,258.38	7	2,899.69	7	2,540.43
1/4		1/4		1/4		1/4	4,605.78	1/4	4,288.46	1/4	3,956.00	1/4	3,608.39	1/4	3,250.92	1/4	2,892.20	1/4	2,532.94
1/2		1/2		1/2		1/2	4,599.33	1/2	4,281.69	1/2	3,948.92	1/2	3,601.00	1/2	3,243.47	1/2	2,884.72	1/2	2,525.46
3/4		3/4		3/4		3/4	4,592.87	3/4	4,274.93	3/4	3,941.83	3/4	3,593.60	3/4	3,236.02	3/4	2,877.23	3/4	2,517.97
8		8		8		8	4,586.39	8	4,268.13	8	3,934.72	8	3,586.17	8	3,228.57	8	2,869.75	8	2,510.49
1/4		1/4		1/4		1/4	4,579.91	1/4	4,261.33	1/4	3,927.61	1/4	3,578.75	1/4	3,221.12	1/4	2,862.26	1/4	2,503.00
1/2		1/2		1/2		1/2	4,573.43	1/2	4,254.54	1/2	3,920.50	1/2	3,571.32	1/2	3,213.66	1/2	2,854.78	1/2	2,495.52
3/4		3/4		3/4		3/4	4,566.95	3/4	4,247.74	3/4	3,913.39	3/4	3,563.89	3/4	3,206.21	3/4	2,847.29	3/4	2,488.03
9		9		9		9	4,560.45	9	4,240.92	9	3,906.25	9	3,556.45	9	3,198.76	9	2,839.81	9	2,480.55
1/4		1/4		1/4		1/4	4,553.94	1/4	4,234.10	1/4	3,899.12	1/4	3,549.00	1/4	3,191.31	1/4	2,832.33	1/4	2,473.06
1/2		1/2		1/2		1/2	4,547.43	1/2	4,227.28	1/2	3,891.98	1/2	3,541.56	1/2	3,183.85	1/2	2,824.84	1/2	2,465.58
3/4		3/4		3/4		3/4	4,540.92	3/4	4,220.46	3/4	3,884.84	3/4	3,534.12	3/4	3,176.40	3/4	2,817.36	3/4	2,458.10
10		10		10		10	4,534.39	10	4,213.61	10	3,877.68	10	3,526.66	10	3,168.95	10	2,809.87	10	2,450.61
1/4		1/4		1/4		1/4	4,527.85	1/4	4,206.76	1/4	3,870.51	1/4	3,519.21	1/4	3,161.50	1/4	2,802.39	1/4	2,443.13
1/2		1/2		1/2		1/2	4,521.32	1/2	4,199.91	1/2	3,863.35	1/2	3,511.76	1/2	3,154.04	1/2	2,794.90	1/2	2,435.64
3/4		3/4		3/4		3/4	4,514.79	3/4	4,193.06	3/4	3,856.19	3/4	3,504.31	3/4	3,146.59	3/4	2,787.42	3/4	2,428.16
11		11		11		11	4,508.23	11	4,186.18	11	3,849.00	11	3,496.85	11	3,139.13	11	2,779.93	11	2,420.67
1/4		1/4		1/4		1/4	4,501.67	1/4	4,179.31	1/4	3,841.81	1/4	3,489.40	1/4	3,131.67	1/4	2,772.45	1/4	2,413.19
1/2		1/2		1/2		1/2	4,495.10	1/2	4,172.43	1/2	3,834.61	1/2	3,481.95	1/2	3,124.20	1/2	2,764.96	1/2	2,405.70
3/4		3/4		3/4		3/4	4,488.54	3/4	4,165.56	3/4	3,827.42	3/4	3,474.50	3/4	3,116.74	3/4	2,757.48	3/4	2,398.22

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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





# BARGE "KIRBY 28195"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,366.59	0	2,007.34	0	1,648.08	0	1,297.46	0	952.41	0	594.83	0	235.58	0		0		0	
1/4	2,359.11	1/4	1,999.85	1/4	1,640.60	1/4	1,290.25	1/4	945.23	1/4	587.34	1/4	228.10	1/4		1/4		1/4	
1/2	2,351.62	1/2	1,992.37	1/2	1,633.11	1/2	1,283.05	1/2	938.05	1/2	579.86	1/2	220.61	1/2		1/2		1/2	
3/4	2,344.14	3/4	1,984.88	3/4	1,625.63	3/4	1,275.85	3/4	930.87	3/4	572.37	3/4	213.13	3/4		3/4		3/4	
1	2,336.65	1	1,977.40	1	1,618.14	1	1,268.65	1	923.57	1	564.89	1	205.65	1		1		1	
1/4	2,329.17	1/4	1,969.91	1/4	1,610.66	1/4	1,261.45	1/4	916.28	1/4	557.41	1/4	198.16	1/4		1/4		1/4	
1/2	2,321.69	1/2	1,962.43	1/2	1,603.17	1/2	1,254.25	1/2	908.98	1/2	549.92	1/2	190.68	1/2		1/2		1/2	
3/4	2,314.20	3/4	1,954.95	3/4	1,595.69	3/4	1,247.05	3/4	901.68	3/4	542.44	3/4	183.20	3/4		3/4		3/4	
2	2,306.72	2	1,947.46	2	1,588.20	2	1,239.84	2	894.20	2	534.95	2	175.72	2		2		2	
1/4	2,299.23	1/4	1,939.98	1/4	1,580.72	1/4	1,232.64	1/4	886.71	1/4	527.47	1/4	168.25	1/4		1/4		1/4	
1/2	2,291.75	1/2	1,932.49	1/2	1,573.24	1/2	1,225.44	1/2	879.23	1/2	519.98	1/2	160.77	1/2		1/2		1/2	
3/4	2,284.26	3/4	1,925.01	3/4	1,565.75	3/4	1,218.24	3/4	871.75	3/4	512.50	3/4	153.30	3/4		3/4		3/4	
3	2,276.78	3	1,917.52	3	1,558.27	3	1,211.04	3	864.26	3	505.02	3	145.83	3		3		3	
1/4	2,269.29	1/4	1,910.04	1/4	1,550.78	1/4	1,203.85	1/4	856.78	1/4	497.53	1/4	138.37	1/4		1/4		1/4	
1/2	2,261.81	1/2	1,902.55	1/2	1,543.30	1/2	1,196.65	1/2	849.29	1/2	490.05	1/2	130.90	1/2		1/2		1/2	
3/4	2,254.33	3/4	1,895.07	3/4	1,535.81	3/4	1,189.45	3/4	841.81	3/4	482.56	3/4	123.44	3/4		3/4		3/4	
4	2,246.84	4	1,887.58	4	1,528.33	4	1,182.26	4	834.32	4	475.08	4	115.99	4		4		4	
1/4	2,239.36	1/4	1,880.10	1/4	1,521.06	1/4	1,175.08	1/4	826.84	1/4	467.59	1/4	108.54	1/4		1/4		1/4	
1/2	2,231.87	1/2	1,872.62	1/2	1,513.68	1/2	1,167.89	1/2	819.36	1/2	460.11	1/2	101.10	1/2		1/2		1/2	
3/4	2,224.39	3/4	1,865.13	3/4	1,506.30	3/4	1,160.70	3/4	811.87	3/4	452.63	3/4	93.65	3/4		3/4		3/4	
5	2,216.90	5	1,857.65	5	1,499.10	5	1,153.51	5	804.39	5	445.14	5	86.24	5		5		5	
1/4	2,209.42	1/4	1,850.16	1/4	1,491.90	1/4	1,146.33	1/4	796.90	1/4	437.66	1/4	78.82	1/4		1/4		1/4	
1/2	2,201.93	1/2	1,842.68	1/2	1,484.70	1/2	1,139.14	1/2	789.42	1/2	430.17	1/2	71.40	1/2		1/2		1/2	
3/4	2,194.45	3/4	1,835.19	3/4	1,477.49	3/4	1,131.95	3/4	781.93	3/4	422.69	3/4	63.99	3/4		3/4		3/4	
6	2,186.96	6	1,827.71	6	1,470.29	6	1,124.77	6	774.45	6	415.20	6	57.03	6		6		6	
1/4	2,179.48	1/4	1,820.22	1/4	1,463.09	1/4	1,117.59	1/4	766.97	1/4	407.72	1/4	50.08	1/4		1/4		1/4	
1/2	2,172.00	1/2	1,812.74	1/2	1,455.89	1/2	1,110.41	1/2	759.48	1/2	400.24	1/2	43.12	1/2		1/2		1/2	
3/4	2,164.51	3/4	1,805.26	3/4	1,448.69	3/4	1,103.23	3/4	752.00	3/4	392.75	3/4	36.17	3/4		3/4		3/4	
7	2,157.03	7	1,797.77	7	1,441.49	7	1,096.05	7	744.51	7	385.27	7	30.87	7		7		7	
1/4	2,149.54	1/4	1,790.29	1/4	1,434.28	1/4	1,088.86	1/4	737.03	1/4	377.78	1/4	25.57	1/4		1/4		1/4	
1/2	2,142.06	1/2	1,782.80	1/2	1,427.08	1/2	1,081.68	1/2	729.54	1/2	370.30	1/2	20.27	1/2		1/2		1/2	
3/4	2,134.57	3/4	1,775.32	3/4	1,419.88	3/4	1,074.50	3/4	722.06	3/4	362.81	3/4	14.97	3/4		3/4		3/4	
8	2,127.09	8	1,767.83	8	1,412.68	8	1,067.32	8	714.58	8	355.33	8		8		8		8	
1/4	2,119.60	1/4	1,760.35	1/4	1,405.48	1/4	1,060.14	1/4	707.09	1/4	347.84	1/4		1/4		1/4		1/4	
1/2	2,112.12	1/2	1,752.86	1/2	1,398.28	1/2	1,052.96	1/2	699.61	1/2	340.36	1/2		1/2		1/2		1/2	
3/4	2,104.64	3/4	1,745.38	3/4	1,391.08	3/4	1,045.77	3/4	692.12	3/4	332.88	3/4		3/4		3/4		3/4	
9	2,097.15	9	1,737.89	9	1,383.87	9	1,038.59	9	684.64	9	325.39	9		9		9		9	
1/4	2,089.67	1/4	1,730.41	1/4	1,376.67	1/4	1,031.41	1/4	677.15	1/4	317.91	1/4		1/4		1/4		1/4	
1/2	2,082.18	1/2	1,722.93	1/2	1,369.47	1/2	1,024.23	1/2	669.67	1/2	310.42	1/2		1/2		1/2		1/2	
3/4	2,074.70	3/4	1,715.44	3/4	1,362.27	3/4	1,017.05	3/4	662.19	3/4	302.94	3/4		3/4		3/4		3/4	
10	2,067.21	10	1,707.96	10	1,355.07	10	1,009.87	10	654.70	10	295.45	10		10		10		10	
1/4	2,059.73	1/4	1,700.47	1/4	1,347.87	1/4	1,002.68	1/4	647.22	1/4	287.97	1/4		1/4		1/4		1/4	
1/2	2,052.24	1/2	1,692.99	1/2	1,340.67	1/2	995.50	1/2	639.73	1/2	280.49	1/2		1/2		1/2		1/2	
3/4	2,044.76	3/4	1,685.50	3/4	1,333.46	3/4	988.32	3/4	632.25	3/4	273.00	3/4		3/4		3/4		3/4	
11	2,037.27	11	1,678.02	11	1,326.26	11	981.14	11	624.76	11	265.52	11		11		11		11	
1/4	2,029.79	1/4	1,670.53	1/4	1,319.06	1/4	973.96	1/4	617.28	1/4	258.03	1/4		1/4		1/4		1/4	
1/2	2,022.31	1/2	1,663.05	1/2	1,311.86	1/2	966.78	1/2	609.80	1/2	250.55	1/2		1/2		1/2		1/2	
3/4	2,014.82	3/4	1,655.57	3/4	1,304.66	3/4	959.59	3/4	602.31	3/4	243.06	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/19/2013 SW  
CALCULATED: 11/20/2013 CL  
VERIFIED: 01/10/2024 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2024

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



# BARGE "KIRBY 28195"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	4,357.64	0	4,116.76	0	3,870.34	0	3,611.94	0	3,341.84	0	2,989.45	0	2,633.00
1/4		1/4		1/4		1/4	4,353.01	1/4	4,111.75	1/4	3,865.08	1/4	3,606.43	1/4	3,336.13	1/4	2,982.03	1/4	2,625.58
1/2		1/2		1/2		1/2	4,348.38	1/2	4,106.74	1/2	3,859.82	1/2	3,600.92	1/2	3,330.43	1/2	2,974.60	1/2	2,618.15
3/4		3/4		3/4		3/4	4,344.22	3/4	4,101.71	3/4	3,854.54	3/4	3,595.39	3/4	3,323.00	3/4	2,967.17	3/4	2,610.73
1		1		1		1	4,340.07	1	4,096.68	1	3,849.26	1	3,589.86	1	3,315.57	1	2,959.75	1	2,603.30
1/4		1/4		1/4		1/4	4,335.92	1/4	4,091.66	1/4	3,843.98	1/4	3,584.32	1/4	3,308.14	1/4	2,952.32	1/4	2,595.87
1/2		1/2		1/2		1/2	4,331.77	1/2	4,086.63	1/2	3,838.70	1/2	3,578.79	1/2	3,300.71	1/2	2,944.90	1/2	2,588.45
3/4		3/4		3/4		3/4	4,326.41	3/4	4,081.58	3/4	3,833.40	3/4	3,573.24	3/4	3,293.28	3/4	2,937.47	3/4	2,581.02
2		2		2		2	4,321.06	2	4,076.53	2	3,828.11	2	3,567.69	2	3,285.85	2	2,930.04	2	2,573.60
1/4		1/4		1/4		1/4	4,315.70	1/4	4,071.48	1/4	3,822.81	1/4	3,562.14	1/4	3,278.42	1/4	2,922.62	1/4	2,566.17
1/2		1/2		1/2		1/2	4,310.34	1/2	4,066.43	1/2	3,817.51	1/2	3,556.59	1/2	3,271.00	1/2	2,915.19	1/2	2,558.74
3/4		3/4		3/4		3/4	4,304.64	3/4	4,061.36	3/4	3,812.19	3/4	3,551.02	3/4	3,263.57	3/4	2,907.77	3/4	2,551.32
3		3		3		3	4,298.93	3	4,056.29	3	3,806.87	3	3,545.45	3	3,256.14	3	2,900.34	3	2,543.89
1/4		1/4		1/4		1/4	4,293.23	1/4	4,051.22	1/4	3,801.55	1/4	3,539.89	1/4	3,248.71	1/4	2,892.91	1/4	2,536.47
1/2		1/2		1/2		1/2	4,287.53	1/2	4,046.15	1/2	3,796.22	1/2	3,534.32	1/2	3,241.28	1/2	2,885.49	1/2	2,529.04
3/4		3/4		3/4		3/4	4,281.82	3/4	4,041.06	3/4	3,790.88	3/4	3,528.73	3/4	3,233.85	3/4	2,878.06	3/4	2,521.61
4		4		4		4	4,276.12	4	4,035.97	4	3,785.54	4	3,523.13	4	3,226.42	4	2,870.64	4	2,514.19
1/4		1/4		1/4		1/4	4,270.41	1/4	4,030.88	1/4	3,780.20	1/4	3,517.54	1/4	3,218.99	1/4	2,863.21	1/4	2,506.76
1/2		1/2		1/2		1/2	4,264.71	1/2	4,025.78	1/2	3,774.86	1/2	3,511.95	1/2	3,211.56	1/2	2,855.78	1/2	2,499.34
3/4		3/4		3/4		3/4	4,259.84	3/4	4,020.67	3/4	3,769.50	3/4	3,506.34	3/4	3,204.16	3/4	2,848.36	3/4	2,491.91
5		5		5		5	4,254.98	5	4,015.56	5	3,764.14	5	3,500.73	5	3,196.76	5	2,840.93	5	2,484.48
1/4		1/4		1/4		1/4	4,250.12	1/4	4,010.45	1/4	3,758.77	1/4	3,495.12	1/4	3,189.36	1/4	2,833.51	1/4	2,477.06
1/2		1/2		1/2		1/2	4,245.25	1/2	4,005.34	1/2	3,753.41	1/2	3,489.51	1/2	3,181.95	1/2	2,826.08	1/2	2,469.63
3/4		3/4		3/4		3/4	4,240.37	3/4	4,000.20	3/4	3,748.03	3/4	3,483.87	3/4	3,174.55	3/4	2,818.65	3/4	2,462.21
6		6		6		6	4,235.49	6	3,995.07	6	3,742.65	6	3,478.24	6	3,167.15	6	2,811.23	6	2,454.78
1/4		1/4		1/4		1/4	4,230.61	1/4	3,989.94	1/4	3,737.27	1/4	3,472.61	1/4	3,159.75	1/4	2,803.80	1/4	2,447.35
1/2		1/2		1/2		1/2	4,225.72	1/2	3,984.80	1/2	3,731.88	1/2	3,466.97	1/2	3,152.35	1/2	2,796.38	1/2	2,439.93
3/4		3/4		3/4		3/4	4,220.82	3/4	3,979.65	3/4	3,726.48	3/4	3,461.32	3/4	3,144.94	3/4	2,788.95	3/4	2,432.50
7		7		7		7	4,215.91	7	3,974.50	7	3,721.07	7	3,455.67	7	3,137.54	7	2,781.52	7	2,425.08
1/4		1/4		1/4		1/4	4,211.00	1/4	3,969.34	1/4	3,715.67	1/4	3,450.01	1/4	3,130.14	1/4	2,774.10	1/4	2,417.65
1/2		1/2		1/2		1/2	4,206.10	1/2	3,964.19	1/2	3,710.26	1/2	3,444.36	1/2	3,122.74	1/2	2,766.67	1/2	2,410.22
3/4		3/4		3/4		3/4	4,201.17	3/4	3,959.01	3/4	3,704.84	3/4	3,438.69	3/4	3,115.34	3/4	2,759.25	3/4	2,402.80
8		8		8		8	4,196.25	8	3,953.83	8	3,699.42	8	3,433.01	8	3,107.93	8	2,751.82	8	2,395.37
1/4		1/4		1/4		1/4	4,191.33	1/4	3,948.66	1/4	3,693.99	1/4	3,427.33	1/4	3,100.53	1/4	2,744.39	1/4	2,387.95
1/2		1/2		1/2		1/2	4,186.40	1/2	3,943.48	1/2	3,688.57	1/2	3,421.66	1/2	3,093.13	1/2	2,736.97	1/2	2,380.52
3/4		3/4		3/4		3/4	4,181.45	3/4	3,938.28	3/4	3,683.12	3/4	3,415.96	3/4	3,085.73	3/4	2,729.54	3/4	2,373.09
9		9		9		9	4,176.50	9	3,933.09	9	3,677.67	9	3,410.27	9	3,078.33	9	2,722.12	9	2,365.67
1/4		1/4		1/4		1/4	4,171.55	1/4	3,927.89	1/4	3,672.23	1/4	3,404.57	1/4	3,070.92	1/4	2,714.69	1/4	2,358.24
1/2		1/2		1/2		1/2	4,166.60	1/2	3,922.70	1/2	3,666.78	1/2	3,398.88	1/2	3,063.52	1/2	2,707.26	1/2	2,350.81
3/4		3/4		3/4		3/4	4,161.64	3/4	3,917.48	3/4	3,661.31	3/4	3,393.17	3/4	3,056.12	3/4	2,699.84	3/4	2,343.39
10		10		10		10	4,156.67	10	3,912.26	10	3,655.85	10	3,387.47	10	3,048.72	10	2,692.41	10	2,335.96
1/4		1/4		1/4		1/4	4,151.71	1/4	3,907.04	1/4	3,650.38	1/4	3,381.77	1/4	3,041.31	1/4	2,684.99	1/4	2,328.53
1/2		1/2		1/2		1/2	4,146.74	1/2	3,901.82	1/2	3,644.92	1/2	3,376.06	1/2	3,033.91	1/2	2,677.56	1/2	2,321.11
3/4		3/4		3/4		3/4	4,141.75	3/4	3,896.58	3/4	3,639.43	3/4	3,370.36	3/4	3,026.51	3/4	2,670.13	3/4	2,313.68
11		11		11		11	4,136.76	11	3,891.34	11	3,633.94	11	3,364.65	11	3,019.11	11	2,662.71	11	2,306.26
1/4		1/4		1/4		1/4	4,131.76	1/4	3,886.11	1/4	3,628.45	1/4	3,358.95	1/4	3,011.71	1/4	2,655.28	1/4	2,298.83
1/2		1/2		1/2		1/2	4,366.91	1/2	4,126.77	1/2	3,880.87	1/2	3,622.96	1/2	3,004.30	1/2	2,647.86	1/2	2,291.40
3/4		3/4		3/4		3/4	4,362.28	3/4	4,121.76	3/4	3,875.61	3/4	3,617.45	3/4	2,996.88	3/4	2,640.43	3/4	2,283.98

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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





# BARGE "KIRBY 28195"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,276.55	0	1,919.65	0	1,563.71	0	1,207.15	0	862.89	0	505.89	0	148.68	0		0		0	
1/4	2,269.12	1/4	1,912.21	1/4	1,556.30	1/4	1,199.98	1/4	855.47	1/4	498.45	1/4	141.24	1/4		1/4		1/4	
1/2	2,261.70	1/2	1,904.77	1/2	1,548.88	1/2	1,192.81	1/2	848.05	1/2	491.01	1/2	133.80	1/2		1/2		1/2	
3/4	2,254.27	3/4	1,897.36	3/4	1,541.44	3/4	1,185.63	3/4	840.63	3/4	483.57	3/4	126.36	3/4		3/4		3/4	
1	2,246.84	1	1,889.94	1	1,534.00	1	1,178.46	1	833.21	1	476.13	1	118.92	1		1		1	
1/4	2,239.42	1/4	1,882.53	1/4	1,526.56	1/4	1,171.29	1/4	825.79	1/4	468.68	1/4	111.48	1/4		1/4		1/4	
1/2	2,231.99	1/2	1,875.11	1/2	1,519.12	1/2	1,164.12	1/2	818.37	1/2	461.24	1/2	104.03	1/2		1/2		1/2	
3/4	2,224.56	3/4	1,867.70	3/4	1,511.68	3/4	1,156.94	3/4	810.95	3/4	453.80	3/4	96.91	3/4		3/4		3/4	
2	2,217.14	2	1,860.28	2	1,504.24	2	1,149.77	2	803.53	2	446.36	2	89.78	2		2		2	
1/4	2,209.71	1/4	1,852.87	1/4	1,496.80	1/4	1,142.60	1/4	796.11	1/4	438.92	1/4	82.65	1/4		1/4		1/4	
1/2	2,202.28	1/2	1,845.46	1/2	1,489.36	1/2	1,135.43	1/2	788.69	1/2	431.48	1/2	75.53	1/2		1/2		1/2	
3/4	2,194.86	3/4	1,838.04	3/4	1,481.92	3/4	1,128.25	3/4	781.24	3/4	424.03	3/4	69.34	3/4		3/4		3/4	
3	2,187.43	3	1,830.63	3	1,474.48	3	1,121.08	3	773.80	3	416.59	3	63.16	3		3		3	
1/4	2,180.00	1/4	1,823.21	1/4	1,467.04	1/4	1,113.91	1/4	766.36	1/4	409.15	1/4	56.97	1/4		1/4		1/4	
1/2	2,172.58	1/2	1,815.80	1/2	1,459.60	1/2	1,106.74	1/2	758.92	1/2	401.71	1/2	50.78	1/2		1/2		1/2	
3/4	2,165.15	3/4	1,808.38	3/4	1,452.16	3/4	1,099.56	3/4	751.48	3/4	394.27	3/4	45.85	3/4		3/4		3/4	
4	2,157.73	4	1,800.97	4	1,444.72	4	1,092.39	4	744.04	4	386.82	4	40.93	4		4		4	
1/4	2,150.30	1/4	1,793.56	1/4	1,437.27	1/4	1,085.22	1/4	736.59	1/4	379.38	1/4	36.00	1/4		1/4		1/4	
1/2	2,142.87	1/2	1,786.14	1/2	1,429.83	1/2	1,078.05	1/2	729.15	1/2	371.94	1/2	31.07	1/2		1/2		1/2	
3/4	2,135.43	3/4	1,778.73	3/4	1,422.39	3/4	1,070.89	3/4	721.71	3/4	364.50	3/4	27.40	3/4		3/4		3/4	
5	2,127.99	5	1,771.31	5	1,414.95	5	1,063.73	5	714.27	5	357.06	5	23.73	5		5		5	
1/4	2,120.55	1/4	1,763.90	1/4	1,407.51	1/4	1,056.57	1/4	706.83	1/4	349.61	1/4	20.07	1/4		1/4		1/4	
1/2	2,113.11	1/2	1,756.48	1/2	1,400.07	1/2	1,049.41	1/2	699.38	1/2	342.17	1/2	16.40	1/2		1/2		1/2	
3/4	2,105.67	3/4	1,749.07	3/4	1,392.63	3/4	1,042.25	3/4	691.94	3/4	334.73	3/4		3/4		3/4		3/4	
6	2,098.23	6	1,741.66	6	1,385.19	6	1,035.09	6	684.50	6	327.29	6		6		6		6	
1/4	2,090.79	1/4	1,734.24	1/4	1,377.75	1/4	1,027.93	1/4	677.06	1/4	319.85	1/4		1/4		1/4		1/4	
1/2	2,083.35	1/2	1,726.83	1/2	1,370.31	1/2	1,020.78	1/2	669.62	1/2	312.41	1/2		1/2		1/2		1/2	
3/4	2,075.91	3/4	1,719.41	3/4	1,362.87	3/4	1,013.62	3/4	662.17	3/4	304.96	3/4		3/4		3/4		3/4	
7	2,068.47	7	1,712.00	7	1,355.43	7	1,006.47	7	654.73	7	297.52	7		7		7		7	
1/4	2,061.02	1/4	1,704.58	1/4	1,347.99	1/4	999.31	1/4	647.29	1/4	290.08	1/4		1/4		1/4		1/4	
1/2	2,053.58	1/2	1,697.17	1/2	1,340.55	1/2	992.16	1/2	639.85	1/2	282.64	1/2		1/2		1/2		1/2	
3/4	2,046.14	3/4	1,689.76	3/4	1,333.11	3/4	985.01	3/4	632.41	3/4	275.20	3/4		3/4		3/4		3/4	
8	2,038.70	8	1,682.34	8	1,325.67	8	977.85	8	624.96	8	267.75	8		8		8		8	
1/4	2,031.26	1/4	1,674.93	1/4	1,318.22	1/4	970.70	1/4	617.52	1/4	260.31	1/4		1/4		1/4		1/4	
1/2	2,023.82	1/2	1,667.51	1/2	1,310.78	1/2	963.55	1/2	610.08	1/2	252.87	1/2		1/2		1/2		1/2	
3/4	2,016.38	3/4	1,660.10	3/4	1,303.34	3/4	956.40	3/4	602.64	3/4	245.43	3/4		3/4		3/4		3/4	
9	2,008.94	9	1,652.68	9	1,295.90	9	949.25	9	595.20	9	237.99	9		9		9		9	
1/4	2,001.50	1/4	1,645.27	1/4	1,288.46	1/4	942.10	1/4	587.76	1/4	230.54	1/4		1/4		1/4		1/4	
1/2	1,994.06	1/2	1,637.86	1/2	1,281.02	1/2	934.95	1/2	580.31	1/2	223.10	1/2		1/2		1/2		1/2	
3/4	1,986.62	3/4	1,630.44	3/4	1,273.58	3/4	927.80	3/4	572.87	3/4	215.66	3/4		3/4		3/4		3/4	
10	1,979.18	10	1,623.03	10	1,266.14	10	920.64	10	565.43	10	208.22	10		10		10		10	
1/4	1,971.74	1/4	1,615.61	1/4	1,258.70	1/4	913.49	1/4	557.99	1/4	200.78	1/4		1/4		1/4		1/4	
1/2	1,964.30	1/2	1,608.20	1/2	1,251.26	1/2	906.34	1/2	550.55	1/2	193.33	1/2		1/2		1/2		1/2	
3/4	1,956.85	3/4	1,600.78	3/4	1,243.82	3/4	899.19	3/4	543.10	3/4	185.89	3/4		3/4		3/4		3/4	
11	1,949.41	11	1,593.37	11	1,236.38	11	892.04	11	535.66	11	178.45	11		11		11		11	
1/4	1,941.97	1/4	1,585.95	1/4	1,228.94	1/4	884.89	1/4	528.22	1/4	171.01	1/4		1/4		1/4		1/4	
1/2	1,934.53	1/2	1,578.54	1/2	1,221.50	1/2	877.74	1/2	520.78	1/2	163.57	1/2		1/2		1/2		1/2	
3/4	1,927.09	3/4	1,571.13	3/4	1,214.32	3/4	870.32	3/4	513.34	3/4	156.13	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/19/2013 SW  
CALCULATED: 11/20/2013 CL  
VERIFIED: 01/10/2024 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2024



# BARGE "KIRBY 28195"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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





# BARGE "KIRBY 28195"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,302.65	0	1,944.87	0	1,587.09	0	1,229.32	0	871.79	0	514.15	0	156.38	0		0		0	
1/4	2,295.20	1/4	1,937.42	1/4	1,579.64	1/4	1,221.86	1/4	864.35	1/4	506.70	1/4	148.93	1/4		1/4		1/4	
1/2	2,287.74	1/2	1,929.96	1/2	1,572.19	1/2	1,214.41	1/2	856.91	1/2	499.24	1/2	141.47	1/2		1/2		1/2	
3/4	2,280.29	3/4	1,922.51	3/4	1,564.73	3/4	1,206.96	3/4	849.46	3/4	491.79	3/4	134.02	3/4		3/4		3/4	
1	2,272.83	1	1,915.06	1	1,557.28	1	1,199.50	1	842.02	1	484.34	1	126.57	1		1		1	
1/4	2,265.38	1/4	1,907.60	1/4	1,549.83	1/4	1,192.05	1/4	834.58	1/4	476.88	1/4	119.12	1/4		1/4		1/4	
1/2	2,257.93	1/2	1,900.15	1/2	1,542.37	1/2	1,184.59	1/2	827.14	1/2	469.43	1/2	111.66	1/2		1/2		1/2	
3/4	2,250.47	3/4	1,892.70	3/4	1,534.92	3/4	1,177.14	3/4	819.70	3/4	461.98	3/4	104.21	3/4		3/4		3/4	
2	2,243.02	2	1,885.24	2	1,527.46	2	1,169.69	2	812.25	2	454.52	2	97.07	2		2		2	
1/4	2,235.57	1/4	1,877.79	1/4	1,520.01	1/4	1,162.23	1/4	804.81	1/4	447.07	1/4	89.93	1/4		1/4		1/4	
1/2	2,228.11	1/2	1,870.33	1/2	1,512.56	1/2	1,154.78	1/2	797.37	1/2	439.61	1/2	82.79	1/2		1/2		1/2	
3/4	2,220.66	3/4	1,862.88	3/4	1,505.10	3/4	1,147.33	3/4	789.93	3/4	432.16	3/4	75.66	3/4		3/4		3/4	
3	2,213.20	3	1,855.43	3	1,497.65	3	1,139.87	3	782.48	3	424.71	3	69.46	3		3		3	
1/4	2,205.75	1/4	1,847.97	1/4	1,490.20	1/4	1,132.42	1/4	775.02	1/4	417.25	1/4	63.26	1/4		1/4		1/4	
1/2	2,198.30	1/2	1,840.52	1/2	1,482.74	1/2	1,124.96	1/2	767.57	1/2	409.80	1/2	57.06	1/2		1/2		1/2	
3/4	2,190.84	3/4	1,833.07	3/4	1,475.29	3/4	1,117.51	3/4	760.12	3/4	402.35	3/4	50.87	3/4		3/4		3/4	
4	2,183.39	4	1,825.61	4	1,467.83	4	1,110.06	4	752.66	4	394.89	4	45.92	4		4		4	
1/4	2,175.94	1/4	1,818.16	1/4	1,460.38	1/4	1,102.60	1/4	745.21	1/4	387.44	1/4	40.98	1/4		1/4		1/4	
1/2	2,168.48	1/2	1,810.71	1/2	1,452.93	1/2	1,095.15	1/2	737.75	1/2	379.99	1/2	36.04	1/2		1/2		1/2	
3/4	2,161.03	3/4	1,803.25	3/4	1,445.47	3/4	1,087.70	3/4	730.30	3/4	372.53	3/4	31.10	3/4		3/4		3/4	
5	2,153.58	5	1,795.80	5	1,438.02	5	1,080.24	5	722.85	5	365.08	5	27.43	5		5		5	
1/4	2,146.12	1/4	1,788.34	1/4	1,430.57	1/4	1,072.79	1/4	715.39	1/4	357.63	1/4	23.75	1/4		1/4		1/4	
1/2	2,138.67	1/2	1,780.89	1/2	1,423.11	1/2	1,065.34	1/2	707.94	1/2	350.17	1/2	20.07	1/2		1/2		1/2	
3/4	2,131.21	3/4	1,773.44	3/4	1,415.66	3/4	1,057.88	3/4	700.49	3/4	342.72	3/4	16.40	3/4		3/4		3/4	
6	2,123.76	6	1,765.98	6	1,408.21	6	1,050.43	6	693.03	6	335.27	6		6		6		6	
1/4	2,116.31	1/4	1,758.53	1/4	1,400.75	1/4	1,042.97	1/4	685.58	1/4	327.81	1/4		1/4		1/4		1/4	
1/2	2,108.85	1/2	1,751.08	1/2	1,393.30	1/2	1,035.52	1/2	678.13	1/2	320.36	1/2		1/2		1/2		1/2	
3/4	2,101.40	3/4	1,743.62	3/4	1,385.84	3/4	1,028.07	3/4	670.67	3/4	312.91	3/4		3/4		3/4		3/4	
7	2,093.95	7	1,736.17	7	1,378.39	7	1,020.62	7	663.22	7	305.45	7		7		7		7	
1/4	2,086.49	1/4	1,728.71	1/4	1,370.94	1/4	1,013.18	1/4	655.77	1/4	298.00	1/4		1/4		1/4		1/4	
1/2	2,079.04	1/2	1,721.26	1/2	1,363.48	1/2	1,005.74	1/2	648.31	1/2	290.54	1/2		1/2		1/2		1/2	
3/4	2,071.58	3/4	1,713.81	3/4	1,356.03	3/4	998.30	3/4	640.86	3/4	283.09	3/4		3/4		3/4		3/4	
8	2,064.13	8	1,706.35	8	1,348.58	8	990.86	8	633.41	8	275.64	8		8		8		8	
1/4	2,056.68	1/4	1,698.90	1/4	1,341.12	1/4	983.42	1/4	625.95	1/4	268.18	1/4		1/4		1/4		1/4	
1/2	2,049.22	1/2	1,691.45	1/2	1,333.67	1/2	975.97	1/2	618.50	1/2	260.73	1/2		1/2		1/2		1/2	
3/4	2,041.77	3/4	1,683.99	3/4	1,326.21	3/4	968.53	3/4	611.05	3/4	253.28	3/4		3/4		3/4		3/4	
9	2,034.32	9	1,676.54	9	1,318.76	9	961.09	9	603.59	9	245.82	9		9		9		9	
1/4	2,026.86	1/4	1,669.08	1/4	1,311.31	1/4	953.65	1/4	596.14	1/4	238.37	1/4		1/4		1/4		1/4	
1/2	2,019.41	1/2	1,661.63	1/2	1,303.85	1/2	946.21	1/2	588.68	1/2	230.92	1/2		1/2		1/2		1/2	
3/4	2,011.96	3/4	1,654.18	3/4	1,296.40	3/4	938.77	3/4	581.23	3/4	223.46	3/4		3/4		3/4		3/4	
10	2,004.50	10	1,646.72	10	1,288.95	10	931.32	10	573.78	10	216.01	10		10		10		10	
1/4	1,997.05	1/4	1,639.27	1/4	1,281.49	1/4	923.88	1/4	566.32	1/4	208.56	1/4		1/4		1/4		1/4	
1/2	1,989.59	1/2	1,631.82	1/2	1,274.04	1/2	916.44	1/2	558.87	1/2	201.10	1/2		1/2		1/2		1/2	
3/4	1,982.14	3/4	1,624.36	3/4	1,266.59	3/4	909.00	3/4	551.42	3/4	193.65	3/4		3/4		3/4		3/4	
11	1,974.69	11	1,616.91	11	1,259.13	11	901.56	11	543.96	11	186.20	11		11		11		11	
1/4	1,967.23	1/4	1,609.46	1/4	1,251.68	1/4	894.11	1/4	536.51	1/4	178.74	1/4		1/4		1/4		1/4	
1/2	1,959.78	1/2	1,602.00	1/2	1,244.22	1/2	886.67	1/2	529.06	1/2	171.29	1/2		1/2		1/2		1/2	
3/4	1,952.33	3/4	1,594.55	3/4	1,236.77	3/4	879.23	3/4	521.60	3/4	163.84	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/19/2013 SW  
CALCULATED: 11/20/2013 CL  
VERIFIED: 01/10/2024 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>

CANCELS AND SUPERCEDES  
ALL PRIOR TO 01/2024