



BARGE "KIRBY 11620"

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 CENTER	- 00-1/2	00-1/2	- 01-0/8	01-0/8	- 01-5/8	01-5/8	- 02-1/8	02-1/8	- 02-5/8	02-5/8	- 03-1/8	03-1/8
2 CENTER	00-3/8	- 00-3/8	00-3/4	- 00-3/4	01-1/8	- 01-1/8	01-1/2	- 01-1/2	01-7/8	- 01-7/8	02-1/4	- 02-1/4
3 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-3/4	- 00-3/4	00-7/8	- 00-7/8

(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 CENTER IS 01-0/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-01"

LENGTH BETWEEN DRAFT MARKS: 162'-09"

October 19, 2023

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

<http://www.pmacorp.net>



BARGE "KIRBY 11620"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
0	0	0	0	0	3,058.56	0	2,867.41	0	2,676.27	0	2,485.12	0	2,273.39	0	2,049.41	0	1,825.28		
1/4	1/4	1/4	1/4	1/4	3,054.58	1/4	2,863.43	1/4	2,672.29	1/4	2,481.14	1/4	2,268.72	1/4	2,044.74	1/4	1,820.61		
1/2	1/2	1/2	1/2	1/2	3,050.59	1/2	2,859.45	1/2	2,668.30	1/2	2,477.16	1/2	2,264.05	1/2	2,040.07	1/2	1,815.95		
3/4	3/4	3/4	3/4	3/4	3,046.61	3/4	2,855.47	3/4	2,664.32	3/4	2,473.18	3/4	2,259.39	3/4	2,035.40	3/4	1,811.28		
1	1	1	1	1	3,042.63	1	2,851.48	1	2,660.34	1	2,469.19	1	2,254.72	1	2,030.73	1	1,806.61		
1/4	1/4	1/4	1/4	1/4	3,038.65	1/4	2,847.50	1/4	2,656.36	1/4	2,465.21	1/4	2,250.05	1/4	2,026.06	1/4	1,801.94		
1/2	1/2	1/2	1/2	1/2	3,034.67	1/2	2,843.52	1/2	2,652.37	1/2	2,461.23	1/2	2,245.38	1/2	2,021.39	1/2	1,797.27		
3/4	3/4	3/4	3/4	3/4	3,030.68	3/4	2,839.54	3/4	2,648.39	3/4	2,457.25	3/4	2,240.71	3/4	2,016.72	3/4	1,792.60		
2	2	2	2	2	3,026.70	2	2,835.56	2	2,644.41	2	2,453.26	2	2,236.04	2	2,012.05	2	1,787.93		
1/4	1/4	1/4	1/4	1/4	3,022.72	1/4	2,831.57	1/4	2,640.43	1/4	2,449.28	1/4	2,231.38	1/4	2,007.38	1/4	1,783.26		
1/2	1/2	1/2	1/2	1/2	3,018.74	1/2	2,827.59	1/2	2,636.45	1/2	2,445.30	1/2	2,226.71	1/2	2,002.71	1/2	1,778.59		
3/4	3/4	3/4	3/4	3/4	3,014.75	3/4	2,823.61	3/4	2,632.46	3/4	2,441.32	3/4	2,222.04	3/4	1,998.04	3/4	1,773.92		
3	3	3	3	3	3,010.77	3	2,819.63	3	2,628.48	3	2,437.34	3	2,217.37	3	1,993.37	3	1,769.25		
1/4	1/4	1/4	1/4	1/4	3,006.79	1/4	2,815.64	1/4	2,624.50	1/4	2,433.35	1/4	2,212.70	1/4	1,988.71	1/4	1,764.58		
1/2	1/2	1/2	1/2	1/2	3,002.81	1/2	2,811.66	1/2	2,620.52	1/2	2,429.37	1/2	2,208.03	1/2	1,984.04	1/2	1,759.91		
3/4	3/4	3/4	3/4	3/4	2,998.83	3/4	2,807.68	3/4	2,616.53	3/4	2,425.39	3/4	2,203.37	3/4	1,979.37	3/4	1,755.25		
4	4	4	4	4	2,994.84	4	2,803.70	4	2,612.55	4	2,421.41	4	2,198.71	4	1,974.70	4	1,750.58		
1/4	1/4	1/4	1/4	1/4	2,990.86	1/4	2,799.72	1/4	2,608.57	1/4	2,417.42	1/4	2,194.04	1/4	1,970.03	1/4	1,745.91		
1/2	1/2	1/2	1/2	1/2	2,986.88	1/2	2,795.73	1/2	2,604.59	1/2	2,413.44	1/2	2,189.38	1/2	1,965.36	1/2	1,741.24		
3/4	3/4	3/4	3/4	3/4	2,982.90	3/4	2,791.75	3/4	2,600.61	3/4	2,408.77	3/4	2,184.71	3/4	1,960.69	3/4	1,736.57		
5	5	5	5	5	2,978.92	5	2,787.77	5	2,596.62	5	2,404.11	5	2,180.05	5	1,956.02	5	1,731.90		
1/4	1/4	1/4	1/4	1/4	2,974.93	1/4	2,783.79	1/4	2,592.64	1/4	2,399.44	1/4	2,175.39	1/4	1,951.35	1/4	1,727.23		
1/2	1/2	1/2	1/2	1/2	2,970.95	1/2	2,779.81	1/2	2,588.66	1/2	2,394.77	1/2	2,170.72	1/2	1,946.68	1/2	1,722.56		
3/4	3/4	3/4	3/4	3/4	2,966.97	3/4	2,775.82	3/4	2,584.68	3/4	2,390.10	3/4	2,166.06	3/4	1,942.01	3/4	1,717.89		
6	6	6	6	6	2,962.99	6	2,771.84	6	2,580.70	6	2,385.43	6	2,161.39	6	1,937.34	6	1,713.22		
1/4	1/4	1/4	1/4	1/4	2,959.00	1/4	2,767.86	1/4	2,576.71	1/4	2,380.76	1/4	2,156.73	1/4	1,932.68	1/4	1,708.55		
1/2	1/2	1/2	1/2	1/2	2,955.02	1/2	2,763.88	1/2	2,572.73	1/2	2,376.10	1/2	2,152.07	1/2	1,928.01	1/2	1,703.88		
3/4	3/4	3/4	3/4	3/4	3,118.15	3/4	2,951.04	3/4	2,759.89	3/4	2,568.75	3/4	2,371.43	3/4	2,147.40	3/4	1,923.34	3/4	1,699.22
7	7	7	7	7	3,116.90	7	2,947.06	7	2,755.91	7	2,564.77	7	2,366.76	7	2,142.74	7	1,918.67	7	1,694.55
1/4	1/4	1/4	1/4	1/4	3,115.65	1/4	2,943.08	1/4	2,751.93	1/4	2,560.78	1/4	2,362.09	1/4	2,138.07	1/4	1,914.00	1/4	1,689.88
1/2	1/2	1/2	1/2	1/2	3,114.40	1/2	2,939.09	1/2	2,747.95	1/2	2,556.80	1/2	2,357.42	1/2	2,133.41	1/2	1,909.33	1/2	1,685.21
3/4	3/4	3/4	3/4	3/4	3,113.14	3/4	2,935.11	3/4	2,743.97	3/4	2,552.82	3/4	2,352.75	3/4	2,128.75	3/4	1,904.66	3/4	1,680.54
8	8	8	8	8	3,111.89	8	2,931.13	8	2,739.98	8	2,548.84	8	2,348.09	8	2,124.08	8	1,899.99	8	1,675.87
1/4	1/4	1/4	1/4	1/4	3,110.64	1/4	2,927.15	1/4	2,736.00	1/4	2,544.86	1/4	2,343.42	1/4	2,119.42	1/4	1,895.32	1/4	1,671.20
1/2	1/2	1/2	1/2	1/2	3,109.39	1/2	2,923.16	1/2	2,732.02	1/2	2,540.87	1/2	2,338.75	1/2	2,114.75	1/2	1,890.65	1/2	1,666.53
3/4	3/4	3/4	3/4	3/4	3,106.58	3/4	2,919.18	3/4	2,728.04	3/4	2,536.89	3/4	2,334.08	3/4	2,110.09	3/4	1,885.98	3/4	1,661.86
9	9	9	9	9	3,103.77	9	2,915.20	9	2,724.05	9	2,532.91	9	2,329.41	9	2,105.43	9	1,881.31	9	1,657.19
1/4	1/4	1/4	1/4	1/4	3,100.95	1/4	2,911.22	1/4	2,720.07	1/4	2,528.93	1/4	2,324.74	1/4	2,100.76	1/4	1,876.64	1/4	1,652.52
1/2	1/2	1/2	1/2	1/2	3,098.14	1/2	2,907.24	1/2	2,716.09	1/2	2,524.94	1/2	2,320.07	1/2	2,096.10	1/2	1,871.98	1/2	1,647.85
3/4	3/4	3/4	3/4	3/4	3,094.22	3/4	2,903.25	3/4	2,712.11	3/4	2,520.96	3/4	2,315.41	3/4	2,091.43	3/4	1,867.31	3/4	1,643.18
10	10	10	10	10	3,090.30	10	2,899.27	10	2,708.13	10	2,516.98	10	2,310.74	10	2,086.76	10	1,862.64	10	1,638.52
1/4	1/4	1/4	1/4	1/4	3,086.38	1/4	2,895.29	1/4	2,704.14	1/4	2,513.00	1/4	2,306.07	1/4	2,082.09	1/4	1,857.97	1/4	1,633.85
1/2	1/2	1/2	1/2	1/2	3,082.46	1/2	2,891.31	1/2	2,700.16	1/2	2,509.02	1/2	2,301.40	1/2	2,077.42	1/2	1,853.30	1/2	1,629.18
3/4	3/4	3/4	3/4	3/4	3,078.47	3/4	2,887.32	3/4	2,696.18	3/4	2,505.03	3/4	2,296.73	3/4	2,072.75	3/4	1,848.63	3/4	1,624.51
11	11	11	11	11	3,074.49	11	2,883.34	11	2,692.20	11	2,501.05	11	2,292.06	11	2,068.08	11	1,843.96	11	1,619.84
1/4	1/4	1/4	1/4	1/4	3,070.51	1/4	2,879.36	1/4	2,688.21	1/4	2,497.07	1/4	2,287.40	1/4	2,063.41	1/4	1,839.29	1/4	1,615.17
1/2	1/2	1/2	1/2	1/2	3,066.52	1/2	2,875.38	1/2	2,684.23	1/2	2,493.09	1/2	2,282.73	1/2	2,058.74	1/2	1,834.62	1/2	1,610.50
3/4	3/4	3/4	3/4	3/4	3,062.54	3/4	2,871.40	3/4	2,680.25	3/4	2,489.10	3/4	2,278.06	3/4	2,054.07	3/4	1,829.95	3/4	1,605.84

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 ON CENTERLINE AND 17'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "KIRBY 11620"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/2"

	10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.
0	1,601.18	0	1,377.46	0	1,153.45	0	929.45	0	705.45	0	483.77	0	262.75	0	38.22	0		0	
1/4	1,596.52	1/4	1,372.80	1/4	1,148.79	1/4	924.79	1/4	700.78	1/4	479.25	1/4	258.07	1/4	33.58	1/4		1/4	
1/2	1,591.86	1/2	1,368.13	1/2	1,144.12	1/2	920.12	1/2	696.12	1/2	474.73	1/2	253.39	1/2	28.94	1/2		1/2	
3/4	1,587.20	3/4	1,363.46	3/4	1,139.45	3/4	915.45	3/4	691.45	3/4	470.21	3/4	248.71	3/4	25.04	3/4		3/4	
1	1,582.55	1	1,358.80	1	1,134.78	1	910.79	1	686.78	1	465.69	1	244.03	1	21.14	1		1	
1/4	1,577.89	1/4	1,354.13	1/4	1,130.12	1/4	906.12	1/4	682.12	1/4	461.17	1/4	239.34	1/4	17.24	1/4		1/4	
1/2	1,573.23	1/2	1,349.46	1/2	1,125.45	1/2	901.45	1/2	677.45	1/2	456.65	1/2	234.66	1/2	13.34	1/2		1/2	
3/4	1,568.57	3/4	1,344.79	3/4	1,120.78	3/4	896.79	3/4	672.78	3/4	452.12	3/4	229.98	3/4	11.00	3/4		3/4	
2	1,563.91	2	1,340.13	2	1,116.12	2	892.12	2	668.12	2	447.60	2	225.30	2	8.66	2		2	
1/4	1,559.25	1/4	1,335.46	1/4	1,111.45	1/4	887.45	1/4	663.45	1/4	443.08	1/4	220.62	1/4	6.32	1/4		1/4	
1/2	1,554.59	1/2	1,330.79	1/2	1,106.78	1/2	882.79	1/2	658.78	1/2	438.56	1/2	215.94	1/2	3.98	1/2		1/2	
3/4	1,549.93	3/4	1,326.13	3/4	1,102.12	3/4	878.12	3/4	654.11	3/4	434.04	3/4	211.26	3/4	3.20	3/4		3/4	
3	1,545.27	3	1,321.46	3	1,097.45	3	873.45	3	649.44	3	429.52	3	206.58	3	2.42	3		3	
1/4	1,540.61	1/4	1,316.79	1/4	1,092.78	1/4	868.79	1/4	644.77	1/4	425.00	1/4	201.90	1/4	1.64	1/4		1/4	
1/2	1,535.95	1/2	1,312.13	1/2	1,088.12	1/2	864.12	1/2	640.09	1/2	420.48	1/2	197.22	1/2	0.86	1/2		1/2	
3/4	1,531.29	3/4	1,307.46	3/4	1,083.45	3/4	859.45	3/4	635.42	3/4	415.95	3/4	192.54	3/4		3/4		3/4	
4	1,526.63	4	1,302.79	4	1,078.78	4	854.79	4	630.74	4	411.43	4	187.86	4		4		4	
1/4	1,521.98	1/4	1,298.13	1/4	1,074.11	1/4	850.12	1/4	626.06	1/4	406.91	1/4	183.17	1/4		1/4		1/4	
1/2	1,517.32	1/2	1,293.46	1/2	1,069.45	1/2	845.45	1/2	621.38	1/2	402.39	1/2	178.49	1/2		1/2		1/2	
3/4	1,512.66	3/4	1,288.79	3/4	1,064.78	3/4	840.79	3/4	616.70	3/4	397.85	3/4	173.81	3/4		3/4		3/4	
5	1,508.00	5	1,284.13	5	1,060.11	5	836.12	5	612.02	5	393.32	5	169.13	5		5		5	
1/4	1,503.34	1/4	1,279.46	1/4	1,055.45	1/4	831.45	1/4	607.35	1/4	388.78	1/4	164.45	1/4		1/4		1/4	
1/2	1,498.68	1/2	1,274.79	1/2	1,050.78	1/2	826.79	1/2	602.67	1/2	384.24	1/2	159.77	1/2		1/2		1/2	
3/4	1,494.02	3/4	1,270.12	3/4	1,046.11	3/4	822.12	3/4	597.99	3/4	379.56	3/4	155.09	3/4		3/4		3/4	
6	1,489.36	6	1,265.46	6	1,041.45	6	817.45	6	593.31	6	374.88	6	150.41	6		6		6	
1/4	1,484.70	1/4	1,260.79	1/4	1,036.78	1/4	812.79	1/4	588.63	1/4	370.20	1/4	145.73	1/4		1/4		1/4	
1/2	1,480.04	1/2	1,256.12	1/2	1,032.11	1/2	808.12	1/2	583.95	1/2	365.52	1/2	141.05	1/2		1/2		1/2	
3/4	1,475.38	3/4	1,251.46	3/4	1,027.45	3/4	803.45	3/4	579.28	3/4	360.84	3/4	136.37	3/4		3/4		3/4	
7	1,470.72	7	1,246.79	7	1,022.78	7	798.79	7	574.60	7	356.16	7	131.69	7		7		7	
1/4	1,466.07	1/4	1,242.12	1/4	1,018.11	1/4	794.12	1/4	569.92	1/4	351.48	1/4	127.01	1/4		1/4		1/4	
1/2	1,461.41	1/2	1,237.46	1/2	1,013.45	1/2	789.45	1/2	565.24	1/2	346.80	1/2	122.33	1/2		1/2		1/2	
3/4	1,456.75	3/4	1,232.79	3/4	1,008.78	3/4	784.79	3/4	560.70	3/4	342.12	3/4	117.65	3/4		3/4		3/4	
8	1,452.09	8	1,228.12	8	1,004.11	8	780.12	8	556.16	8	337.44	8	112.97	8		8		8	
1/4	1,447.43	1/4	1,223.46	1/4	999.44	1/4	775.45	1/4	551.62	1/4	332.76	1/4	108.29	1/4		1/4		1/4	
1/2	1,442.77	1/2	1,218.79	1/2	994.78	1/2	770.79	1/2	547.07	1/2	328.08	1/2	103.61	1/2		1/2		1/2	
3/4	1,438.11	3/4	1,214.12	3/4	990.11	3/4	766.12	3/4	542.55	3/4	323.40	3/4	98.93	3/4		3/4		3/4	
9	1,433.45	9	1,209.45	9	985.44	9	761.45	9	538.02	9	318.72	9	94.25	9		9		9	
1/4	1,428.79	1/4	1,204.79	1/4	980.78	1/4	756.79	1/4	533.50	1/4	314.04	1/4	89.57	1/4		1/4		1/4	
1/2	1,424.13	1/2	1,200.12	1/2	976.11	1/2	752.12	1/2	528.97	1/2	309.35	1/2	84.89	1/2		1/2		1/2	
3/4	1,419.47	3/4	1,195.45	3/4	971.44	3/4	747.45	3/4	524.45	3/4	304.70	3/4	80.21	3/4		3/4		3/4	
10	1,414.80	10	1,190.79	10	966.78	10	742.79	10	519.93	10	300.04	10	75.53	10		10		10	
1/4	1,410.13	1/4	1,186.12	1/4	962.11	1/4	738.12	1/4	515.41	1/4	295.39	1/4	70.85	1/4		1/4		1/4	
1/2	1,405.46	1/2	1,181.45	1/2	957.44	1/2	733.45	1/2	510.88	1/2	290.73	1/2	66.18	1/2		1/2		1/2	
3/4	1,400.80	3/4	1,176.79	3/4	952.78	3/4	728.79	3/4	506.37	3/4	286.08	3/4	61.51	3/4		3/4		3/4	
11	1,396.13	11	1,172.12	11	948.11	11	724.12	11	501.85	11	281.42	11	56.84	11		11		11	
1/4	1,391.46	1/4	1,167.45	1/4	943.45	1/4	719.45	1/4	497.33	1/4	276.77	1/4	52.17	1/4		1/4		1/4	
1/2	1,386.80	1/2	1,162.79	1/2	938.78	1/2	714.79	1/2	492.81	1/2	272.11	1/2	47.50	1/2		1/2		1/2	
3/4	1,382.13	3/4	1,158.12	3/4	934.12	3/4	710.12	3/4	488.29	3/4	267.43	3/4	42.86	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/19/2023 JS
CALCULATED: 10/19/2023 CL
PRINTED: 10/19/2023 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023



BARGE "KIRBY 11620"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-02 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
0	0	0	0	0	4,050.15	0	3,762.09	0	3,474.03	0	3,185.97	0	2,897.90	0	2,609.84	0	2,321.78		
1/4	1/4	1/4	1/4	1/4	4,044.15	1/4	3,756.09	1/4	3,468.03	1/4	3,179.96	1/4	2,891.90	1/4	2,603.84	1/4	2,315.78		
1/2	1/2	1/2	1/2	1/2	4,038.15	1/2	3,750.09	1/2	3,462.03	1/2	3,173.96	1/2	2,885.90	1/2	2,597.84	1/2	2,309.78		
3/4	3/4	3/4	3/4	3/4	4,032.15	3/4	3,744.09	3/4	3,456.02	3/4	3,167.96	3/4	2,879.90	3/4	2,591.84	3/4	2,303.77		
1	1	1	1	1	4,026.15	1	3,738.08	1	3,450.02	1	3,161.96	1	2,873.90	1	2,585.84	1	2,297.77		
1/4	1/4	1/4	1/4	1/4	4,020.15	1/4	3,732.08	1/4	3,444.02	1/4	3,155.96	1/4	2,867.90	1/4	2,579.83	1/4	2,291.77		
1/2	1/2	1/2	1/2	1/2	4,014.14	1/2	3,726.08	1/2	3,438.02	1/2	3,149.96	1/2	2,861.90	1/2	2,573.83	1/2	2,285.77		
3/4	3/4	3/4	3/4	3/4	4,008.14	3/4	3,720.08	3/4	3,432.02	3/4	3,143.96	3/4	2,855.89	3/4	2,567.83	3/4	2,279.77		
2	2	2	2	2	4,002.14	2	3,714.08	2	3,426.02	2	3,137.95	2	2,849.89	2	2,561.83	2	2,273.77		
1/4	1/4	1/4	1/4	1/4	3,996.14	1/4	3,708.08	1/4	3,420.02	1/4	3,131.95	1/4	2,843.89	1/4	2,555.83	1/4	2,267.77		
1/2	1/2	1/2	1/2	1/2	3,990.14	1/2	3,702.08	1/2	3,414.01	1/2	3,125.95	1/2	2,837.89	1/2	2,549.83	1/2	2,261.77		
3/4	3/4	3/4	3/4	3/4	3,984.14	3/4	3,696.08	3/4	3,408.01	3/4	3,119.95	3/4	2,831.89	3/4	2,543.83	3/4	2,255.76		
3	3	3	3	3	3,978.14	3	3,690.07	3	3,402.01	3	3,113.95	3	2,825.89	3	2,537.82	3	2,249.76		
1/4	1/4	1/4	1/4	1/4	3,972.14	1/4	3,684.07	1/4	3,396.01	1/4	3,107.95	1/4	2,819.89	1/4	2,531.82	1/4	2,243.76		
1/2	1/2	1/2	1/2	1/2	3,966.13	1/2	3,678.07	1/2	3,390.01	1/2	3,101.95	1/2	2,813.88	1/2	2,525.82	1/2	2,237.76		
3/4	3/4	3/4	3/4	3/4	3,960.13	3/4	3,672.07	3/4	3,384.01	3/4	3,095.95	3/4	2,807.88	3/4	2,519.82	3/4	2,231.76		
4	4	4	4	4	3,954.13	4	3,666.07	4	3,378.01	4	3,089.94	4	2,801.88	4	2,513.82	4	2,225.76		
1/4	1/4	1/4	1/4	1/4	3,948.13	1/4	3,660.07	1/4	3,372.01	1/4	3,083.94	1/4	2,795.88	1/4	2,507.82	1/4	2,219.76		
1/2	1/2	1/2	1/2	1/2	3,942.13	1/2	3,654.07	1/2	3,366.00	1/2	3,077.94	1/2	2,789.88	1/2	2,501.82	1/2	2,213.75		
3/4	3/4	3/4	3/4	3/4	3,936.13	3/4	3,648.07	3/4	3,360.00	3/4	3,071.94	3/4	2,783.88	3/4	2,495.82	3/4	2,207.75		
5	5	5	5	5	3,930.13	5	3,642.06	5	3,354.00	5	3,065.94	5	2,777.88	5	2,489.81	5	2,201.75		
1/4	1/4	1/4	1/4	1/4	3,924.13	1/4	3,636.06	1/4	3,348.00	1/4	3,059.94	1/4	2,771.88	1/4	2,483.81	1/4	2,195.75		
1/2	1/2	1/2	1/2	1/2	3,918.12	1/2	3,630.06	1/2	3,342.00	1/2	3,053.94	1/2	2,765.87	1/2	2,477.81	1/2	2,189.75		
3/4	3/4	3/4	3/4	3/4	4,169.38	3/4	3,912.12	3/4	3,624.06	3/4	3,336.00	3/4	3,047.94	3/4	2,759.87	3/4	2,471.81	3/4	2,183.75
6	6	6	6	6	4,166.88	6	3,906.12	6	3,618.06	6	3,330.00	6	3,041.93	6	2,753.87	6	2,465.81	6	2,177.75
1/4	1/4	1/4	1/4	1/4	4,164.38	1/4	3,900.12	1/4	3,612.06	1/4	3,324.00	1/4	3,035.93	1/4	2,747.87	1/4	2,459.81	1/4	2,171.75
1/2	1/2	1/2	1/2	1/2	4,161.88	1/2	3,894.12	1/2	3,606.06	1/2	3,317.99	1/2	3,029.93	1/2	2,741.87	1/2	2,453.81	1/2	2,165.74
3/4	3/4	3/4	3/4	3/4	4,159.38	3/4	3,888.12	3/4	3,600.05	3/4	3,311.99	3/4	3,023.93	3/4	2,735.87	3/4	2,447.81	3/4	2,159.74
7	7	7	7	7	4,156.88	7	3,882.12	7	3,594.05	7	3,305.99	7	3,017.93	7	2,729.87	7	2,441.80	7	2,153.74
1/4	1/4	1/4	1/4	1/4	4,154.38	1/4	3,876.11	1/4	3,588.05	1/4	3,299.99	1/4	3,011.93	1/4	2,723.87	1/4	2,435.80	1/4	2,147.74
1/2	1/2	1/2	1/2	1/2	4,151.88	1/2	3,870.11	1/2	3,582.05	1/2	3,293.99	1/2	3,005.93	1/2	2,717.86	1/2	2,429.80	1/2	2,141.74
3/4	3/4	3/4	3/4	3/4	4,147.38	3/4	3,864.11	3/4	3,576.05	3/4	3,287.99	3/4	2,999.92	3/4	2,711.86	3/4	2,423.80	3/4	2,135.74
8	8	8	8	8	4,142.88	8	3,858.11	8	3,570.05	8	3,281.99	8	2,993.92	8	2,705.86	8	2,417.80	8	2,129.74
1/4	1/4	1/4	1/4	1/4	4,138.37	1/4	3,852.11	1/4	3,564.05	1/4	3,275.98	1/4	2,987.92	1/4	2,699.86	1/4	2,411.80	1/4	2,123.74
1/2	1/2	1/2	1/2	1/2	4,133.87	1/2	3,846.11	1/2	3,558.05	1/2	3,269.98	1/2	2,981.92	1/2	2,693.86	1/2	2,405.80	1/2	2,117.73
3/4	3/4	3/4	3/4	3/4	4,127.95	3/4	3,840.11	3/4	3,552.04	3/4	3,263.98	3/4	2,975.92	3/4	2,687.86	3/4	2,399.79	3/4	2,111.73
9	9	9	9	9	4,122.03	9	3,834.11	9	3,546.04	9	3,257.98	9	2,969.92	9	2,681.86	9	2,393.79	9	2,105.73
1/4	1/4	1/4	1/4	1/4	4,116.10	1/4	3,828.10	1/4	3,540.04	1/4	3,251.98	1/4	2,963.92	1/4	2,675.85	1/4	2,387.79	1/4	2,099.73
1/2	1/2	1/2	1/2	1/2	4,110.18	1/2	3,822.10	1/2	3,534.04	1/2	3,245.98	1/2	2,957.92	1/2	2,669.85	1/2	2,381.79	1/2	2,093.73
3/4	3/4	3/4	3/4	3/4	4,104.18	3/4	3,816.10	3/4	3,528.04	3/4	3,239.98	3/4	2,951.91	3/4	2,663.85	3/4	2,375.79	3/4	2,087.73
10	10	10	10	10	4,098.17	10	3,810.10	10	3,522.04	10	3,233.98	10	2,945.91	10	2,657.85	10	2,369.79	10	2,081.73
1/4	1/4	1/4	1/4	1/4	4,092.17	1/4	3,804.10	1/4	3,516.04	1/4	3,227.97	1/4	2,939.91	1/4	2,651.85	1/4	2,363.79	1/4	2,075.72
1/2	1/2	1/2	1/2	1/2	4,086.16	1/2	3,798.10	1/2	3,510.04	1/2	3,221.97	1/2	2,933.91	1/2	2,645.85	1/2	2,357.79	1/2	2,069.72
3/4	3/4	3/4	3/4	3/4	4,080.16	3/4	3,792.10	3/4	3,504.03	3/4	3,215.97	3/4	2,927.91	3/4	2,639.85	3/4	2,351.78	3/4	2,063.72
11	11	11	11	11	4,074.16	11	3,786.10	11	3,498.03	11	3,209.97	11	2,921.91	11	2,633.85	11	2,345.78	11	2,057.72
1/4	1/4	1/4	1/4	1/4	4,068.16	1/4	3,780.09	1/4	3,492.03	1/4	3,203.97	1/4	2,915.91	1/4	2,627.84	1/4	2,339.78	1/4	2,051.72
1/2	1/2	1/2	1/2	1/2	4,062.16	1/2	3,774.09	1/2	3,486.03	1/2	3,197.97	1/2	2,909.91	1/2	2,621.84	1/2	2,333.78	1/2	2,045.72
3/4	3/4	3/4	3/4	3/4	4,056.15	3/4	3,768.09	3/4	3,480.03	3/4	3,191.97	3/4	2,903.90	3/4	2,615.84	3/4	2,327.78	3/4	2,039.72

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 36'-02" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 11620"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-02 1/2"

	10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.
0	2,033.72	0	1,745.65	0	1,457.59	0	1,169.53	0	881.47	0	597.38	0	312.63	0	26.86	0		0	
1/4	2,027.71	1/4	1,739.65	1/4	1,451.59	1/4	1,163.53	1/4	875.46	1/4	591.56	1/4	306.63	1/4	21.86	1/4		1/4	
1/2	2,021.71	1/2	1,733.65	1/2	1,445.59	1/2	1,157.53	1/2	869.46	1/2	585.74	1/2	300.63	1/2	16.86	1/2		1/2	
3/4	2,015.71	3/4	1,727.65	3/4	1,439.59	3/4	1,151.52	3/4	863.46	3/4	579.93	3/4	294.63	3/4	13.86	3/4		3/4	
1	2,009.71	1	1,721.65	1	1,433.59	1	1,145.52	1	857.46	1	574.11	1	288.63	1	10.86	1		1	
1/4	2,003.71	1/4	1,715.65	1/4	1,427.58	1/4	1,139.52	1/4	851.46	1/4	568.29	1/4	282.63	1/4	7.86	1/4		1/4	
1/2	1,997.71	1/2	1,709.65	1/2	1,421.58	1/2	1,133.52	1/2	845.46	1/2	562.47	1/2	276.63	1/2	4.86	1/2		1/2	
3/4	1,991.71	3/4	1,703.64	3/4	1,415.58	3/4	1,127.52	3/4	839.46	3/4	556.66	3/4	270.63	3/4	3.86	3/4		3/4	
2	1,985.71	2	1,697.64	2	1,409.58	2	1,121.52	2	833.46	2	550.84	2	264.62	2	2.86	2		2	
1/4	1,979.70	1/4	1,691.64	1/4	1,403.58	1/4	1,115.52	1/4	827.45	1/4	545.02	1/4	258.62	1/4	1.86	1/4		1/4	
1/2	1,973.70	1/2	1,685.64	1/2	1,397.58	1/2	1,109.52	1/2	821.45	1/2	539.21	1/2	252.62	1/2	0.86	1/2		1/2	
3/4	1,967.70	3/4	1,679.64	3/4	1,391.58	3/4	1,103.51	3/4	815.45	3/4	533.39	3/4	246.62	3/4		3/4		3/4	
3	1,961.70	3	1,673.64	3	1,385.58	3	1,097.51	3	809.45	3	527.57	3	240.62	3		3		3	
1/4	1,955.70	1/4	1,667.64	1/4	1,379.57	1/4	1,091.51	1/4	803.45	1/4	521.75	1/4	234.62	1/4		1/4		1/4	
1/2	1,949.70	1/2	1,661.64	1/2	1,373.57	1/2	1,085.51	1/2	797.45	1/2	515.94	1/2	228.62	1/2		1/2		1/2	
3/4	1,943.70	3/4	1,655.63	3/4	1,367.57	3/4	1,079.51	3/4	791.45	3/4	510.12	3/4	222.62	3/4		3/4		3/4	
4	1,937.69	4	1,649.63	4	1,361.57	4	1,073.51	4	785.45	4	504.30	4	216.62	4		4		4	
1/4	1,931.69	1/4	1,643.63	1/4	1,355.57	1/4	1,067.51	1/4	779.44	1/4	498.48	1/4	210.61	1/4		1/4		1/4	
1/2	1,925.69	1/2	1,637.63	1/2	1,349.57	1/2	1,061.51	1/2	773.44	1/2	492.67	1/2	204.61	1/2		1/2		1/2	
3/4	1,919.69	3/4	1,631.63	3/4	1,343.57	3/4	1,055.50	3/4	767.44	3/4	486.67	3/4	198.61	3/4		3/4		3/4	
5	1,913.69	5	1,625.63	5	1,337.56	5	1,049.50	5	761.44	5	480.66	5	192.61	5		5		5	
1/4	1,907.69	1/4	1,619.63	1/4	1,331.56	1/4	1,043.50	1/4	755.44	1/4	474.66	1/4	186.61	1/4		1/4		1/4	
1/2	1,901.69	1/2	1,613.62	1/2	1,325.56	1/2	1,037.50	1/2	749.44	1/2	468.66	1/2	180.61	1/2		1/2		1/2	
3/4	1,895.69	3/4	1,607.62	3/4	1,319.56	3/4	1,031.50	3/4	743.44	3/4	462.66	3/4	174.61	3/4		3/4		3/4	
6	1,889.68	6	1,601.62	6	1,313.56	6	1,025.50	6	737.43	6	456.66	6	168.61	6		6		6	
1/4	1,883.68	1/4	1,595.62	1/4	1,307.56	1/4	1,019.50	1/4	731.43	1/4	450.66	1/4	162.61	1/4		1/4		1/4	
1/2	1,877.68	1/2	1,589.62	1/2	1,301.56	1/2	1,013.49	1/2	725.43	1/2	444.66	1/2	156.61	1/2		1/2		1/2	
3/4	1,871.68	3/4	1,583.62	3/4	1,295.56	3/4	1,007.49	3/4	719.61	3/4	438.66	3/4	150.60	3/4		3/4		3/4	
7	1,865.68	7	1,577.62	7	1,289.55	7	1,001.49	7	713.78	7	432.66	7	144.60	7		7		7	
1/4	1,859.68	1/4	1,571.62	1/4	1,283.55	1/4	995.49	1/4	707.95	1/4	426.65	1/4	138.60	1/4		1/4		1/4	
1/2	1,853.68	1/2	1,565.61	1/2	1,277.55	1/2	989.49	1/2	702.13	1/2	420.65	1/2	132.60	1/2		1/2		1/2	
3/4	1,847.68	3/4	1,559.61	3/4	1,271.55	3/4	983.49	3/4	696.30	3/4	414.65	3/4	126.60	3/4		3/4		3/4	
8	1,841.67	8	1,553.61	8	1,265.55	8	977.49	8	690.47	8	408.65	8	120.60	8		8		8	
1/4	1,835.67	1/4	1,547.61	1/4	1,259.55	1/4	971.49	1/4	684.65	1/4	402.65	1/4	114.60	1/4		1/4		1/4	
1/2	1,829.67	1/2	1,541.61	1/2	1,253.55	1/2	965.48	1/2	678.82	1/2	396.65	1/2	108.60	1/2		1/2		1/2	
3/4	1,823.67	3/4	1,535.61	3/4	1,247.55	3/4	959.48	3/4	673.00	3/4	390.65	3/4	102.60	3/4		3/4		3/4	
9	1,817.67	9	1,529.61	9	1,241.54	9	953.48	9	667.19	9	384.65	9	96.60	9		9		9	
1/4	1,811.67	1/4	1,523.61	1/4	1,235.54	1/4	947.48	1/4	661.37	1/4	378.65	1/4	90.60	1/4		1/4		1/4	
1/2	1,805.67	1/2	1,517.60	1/2	1,229.54	1/2	941.48	1/2	655.55	1/2	372.64	1/2	84.60	1/2		1/2		1/2	
3/4	1,799.66	3/4	1,511.60	3/4	1,223.54	3/4	935.48	3/4	649.73	3/4	366.64	3/4	78.61	3/4		3/4		3/4	
10	1,793.66	10	1,505.60	10	1,217.54	10	929.48	10	643.92	10	360.64	10	72.63	10		10		10	
1/4	1,787.66	1/4	1,499.60	1/4	1,211.54	1/4	923.48	1/4	638.10	1/4	354.64	1/4	66.64	1/4		1/4		1/4	
1/2	1,781.66	1/2	1,493.60	1/2	1,205.54	1/2	917.47	1/2	632.28	1/2	348.64	1/2	60.65	1/2		1/2		1/2	
3/4	1,775.66	3/4	1,487.60	3/4	1,199.53	3/4	911.47	3/4	626.46	3/4	342.64	3/4	54.71	3/4		3/4		3/4	
11	1,769.66	11	1,481.60	11	1,193.53	11	905.47	11	620.65	11	336.64	11	48.76	11		11		11	
1/4	1,763.66	1/4	1,475.59	1/4	1,187.53	1/4	899.47	1/4	614.83	1/4	330.64	1/4	42.81	1/4		1/4		1/4	
1/2	1,757.66	1/2	1,469.59	1/2	1,181.53	1/2	893.47	1/2	609.01	1/2	324.64	1/2	36.86	1/2		1/2		1/2	
3/4	1,751.65	3/4	1,463.59	3/4	1,175.53	3/4	887.47	3/4	603.20	3/4	318.63	3/4	31.86	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/19/2023 JS
CALCULATED: 10/19/2023 CL
PRINTED: 10/19/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

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



BARGE "KIRBY 11620"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
0	0	0	0	0	3,640.97	0	3,383.58	0	3,126.19	0	2,868.80	0	2,611.41	0	2,354.02	0	2,096.63		
1/4	1/4	1/4	1/4	1/4	3,635.61	1/4	3,378.22	1/4	3,120.83	1/4	2,863.44	1/4	2,606.05	1/4	2,348.66	1/4	2,091.27		
1/2	1/2	1/2	1/2	1/2	3,630.25	1/2	3,372.86	1/2	3,115.47	1/2	2,858.08	1/2	2,600.69	1/2	2,343.30	1/2	2,085.91		
3/4	3/4	3/4	3/4	3/4	3,624.89	3/4	3,367.50	3/4	3,110.11	3/4	2,852.72	3/4	2,595.32	3/4	2,337.93	3/4	2,080.54		
1	1	1	1	1	3,619.52	1	3,362.13	1	3,104.74	1	2,847.35	1	2,589.96	1	2,332.57	1	2,075.18		
1/4	1/4	1/4	1/4	1/4	3,614.16	1/4	3,356.77	1/4	3,099.38	1/4	2,841.99	1/4	2,584.60	1/4	2,327.21	1/4	2,069.82		
1/2	1/2	1/2	1/2	1/2	3,608.80	1/2	3,351.41	1/2	3,094.02	1/2	2,836.63	1/2	2,579.24	1/2	2,321.85	1/2	2,064.46		
3/4	3/4	3/4	3/4	3/4	3,603.44	3/4	3,346.05	3/4	3,088.66	3/4	2,831.27	3/4	2,573.88	3/4	2,316.49	3/4	2,059.09		
2	2	2	2	2	3,598.07	2	3,340.68	2	3,083.29	2	2,825.90	2	2,568.51	2	2,311.12	2	2,053.73		
1/4	1/4	1/4	1/4	1/4	3,592.71	1/4	3,335.32	1/4	3,077.93	1/4	2,820.54	1/4	2,563.15	1/4	2,305.76	1/4	2,048.37		
1/2	1/2	1/2	1/2	1/2	3,587.35	1/2	3,329.96	1/2	3,072.57	1/2	2,815.18	1/2	2,557.79	1/2	2,300.40	1/2	2,043.01		
3/4	3/4	3/4	3/4	3/4	3,581.99	3/4	3,324.60	3/4	3,067.21	3/4	2,809.82	3/4	2,552.43	3/4	2,295.04	3/4	2,037.65		
3	3	3	3	3	3,576.63	3	3,319.24	3	3,061.84	3	2,804.45	3	2,547.06	3	2,289.67	3	2,032.28		
1/4	1/4	1/4	1/4	1/4	3,571.26	1/4	3,313.87	1/4	3,056.48	1/4	2,799.09	1/4	2,541.70	1/4	2,284.31	1/4	2,026.92		
1/2	1/2	1/2	1/2	1/2	3,565.90	1/2	3,308.51	1/2	3,051.12	1/2	2,793.73	1/2	2,536.34	1/2	2,278.95	1/2	2,021.56		
3/4	3/4	3/4	3/4	3/4	3,560.54	3/4	3,303.15	3/4	3,045.76	3/4	2,788.37	3/4	2,530.98	3/4	2,273.59	3/4	2,016.20		
4	4	4	4	4	3,555.18	4	3,297.79	4	3,040.40	4	2,783.01	4	2,525.61	4	2,268.22	4	2,010.83		
1/4	1/4	1/4	1/4	1/4	3,549.81	1/4	3,292.42	1/4	3,035.03	1/4	2,777.64	1/4	2,520.25	1/4	2,262.86	1/4	2,005.47		
1/2	1/2	1/2	1/2	1/2	3,544.45	1/2	3,287.06	1/2	3,029.67	1/2	2,772.28	1/2	2,514.89	1/2	2,257.50	1/2	2,000.11		
3/4	3/4	3/4	3/4	3/4	3,539.09	3/4	3,281.70	3/4	3,024.31	3/4	2,766.92	3/4	2,509.53	3/4	2,252.14	3/4	1,994.75		
5	5	5	5	5	3,533.73	5	3,276.34	5	3,018.95	5	2,761.56	5	2,504.17	5	2,246.78	5	1,989.38		
1/4	1/4	1/4	1/4	1/4	3,528.37	1/4	3,270.97	1/4	3,013.58	1/4	2,756.19	1/4	2,498.80	1/4	2,241.41	1/4	1,984.02		
1/2	1/2	1/2	1/2	1/2	3,523.00	1/2	3,265.61	1/2	3,008.22	1/2	2,750.83	1/2	2,493.44	1/2	2,236.05	1/2	1,978.66		
3/4	3/4	3/4	3/4	3/4	3,517.64	3/4	3,260.25	3/4	3,002.86	3/4	2,745.47	3/4	2,488.08	3/4	2,230.69	3/4	1,973.30		
6	6	6	6	6	3,512.28	6	3,254.89	6	2,997.50	6	2,740.11	6	2,482.72	6	2,225.33	6	1,967.94		
1/4	1/4	1/4	1/4	1/4	3,506.92	1/4	3,249.53	1/4	2,992.14	1/4	2,734.74	1/4	2,477.35	1/4	2,219.96	1/4	1,962.57		
1/2	1/2	1/2	1/2	1/2	3,731.36	1/2	3,501.55	1/2	3,244.16	1/2	2,986.77	1/2	2,729.38	1/2	2,471.99	1/2	2,214.60	1/2	1,957.21
3/4	3/4	3/4	3/4	3/4	3,729.13	3/4	3,496.19	3/4	3,238.80	3/4	2,981.41	3/4	2,724.02	3/4	2,466.63	3/4	2,209.24	3/4	1,951.85
7	7	7	7	7	3,726.90	7	3,490.83	7	3,233.44	7	2,976.05	7	2,718.66	7	2,461.27	7	2,203.88	7	1,946.49
1/4	1/4	1/4	1/4	1/4	3,724.66	1/4	3,485.47	1/4	3,228.08	1/4	2,970.69	1/4	2,713.30	1/4	2,455.91	1/4	2,198.51	1/4	1,941.12
1/2	1/2	1/2	1/2	1/2	3,722.43	1/2	3,480.10	1/2	3,222.71	1/2	2,965.32	1/2	2,707.93	1/2	2,450.54	1/2	2,193.15	1/2	1,935.76
3/4	3/4	3/4	3/4	3/4	3,720.19	3/4	3,474.74	3/4	3,217.35	3/4	2,959.96	3/4	2,702.57	3/4	2,445.18	3/4	2,187.79	3/4	1,930.40
8	8	8	8	8	3,717.96	8	3,469.38	8	3,211.99	8	2,954.60	8	2,697.21	8	2,439.82	8	2,182.43	8	1,925.04
1/4	1/4	1/4	1/4	1/4	3,715.72	1/4	3,464.02	1/4	3,206.63	1/4	2,949.24	1/4	2,691.85	1/4	2,434.46	1/4	2,177.07	1/4	1,919.68
1/2	1/2	1/2	1/2	1/2	3,711.70	1/2	3,458.66	1/2	3,201.26	1/2	2,943.87	1/2	2,686.48	1/2	2,429.09	1/2	2,171.70	1/2	1,914.31
3/4	3/4	3/4	3/4	3/4	3,707.68	3/4	3,453.29	3/4	3,195.90	3/4	2,938.51	3/4	2,681.12	3/4	2,423.73	3/4	2,166.34	3/4	1,908.95
9	9	9	9	9	3,703.66	9	3,447.93	9	3,190.54	9	2,933.15	9	2,675.76	9	2,418.37	9	2,160.98	9	1,903.59
1/4	1/4	1/4	1/4	1/4	3,699.64	1/4	3,442.57	1/4	3,185.18	1/4	2,927.79	1/4	2,670.40	1/4	2,413.01	1/4	2,155.62	1/4	1,898.23
1/2	1/2	1/2	1/2	1/2	3,694.35	1/2	3,437.21	1/2	3,179.82	1/2	2,922.43	1/2	2,665.03	1/2	2,407.64	1/2	2,150.25	1/2	1,892.86
3/4	3/4	3/4	3/4	3/4	3,689.05	3/4	3,431.84	3/4	3,174.45	3/4	2,917.06	3/4	2,659.67	3/4	2,402.28	3/4	2,144.89	3/4	1,887.50
10	10	10	10	10	3,683.76	10	3,426.48	10	3,169.09	10	2,911.70	10	2,654.31	10	2,396.92	10	2,139.53	10	1,882.14
1/4	1/4	1/4	1/4	1/4	3,678.47	1/4	3,421.12	1/4	3,163.73	1/4	2,906.34	1/4	2,648.95	1/4	2,391.56	1/4	2,134.17	1/4	1,876.78
1/2	1/2	1/2	1/2	1/2	3,673.12	1/2	3,415.76	1/2	3,158.37	1/2	2,900.98	1/2	2,643.59	1/2	2,386.20	1/2	2,128.80	1/2	1,871.41
3/4	3/4	3/4	3/4	3/4	3,667.77	3/4	3,410.39	3/4	3,153.00	3/4	2,895.61	3/4	2,638.22	3/4	2,380.83	3/4	2,123.44	3/4	1,866.05
11	11	11	11	11	3,662.41	11	3,405.03	11	3,147.64	11	2,890.25	11	2,632.86	11	2,375.47	11	2,118.08	11	1,860.69
1/4	1/4	1/4	1/4	1/4	3,657.06	1/4	3,399.67	1/4	3,142.28	1/4	2,884.89	1/4	2,627.50	1/4	2,370.11	1/4	2,112.72	1/4	1,855.33
1/2	1/2	1/2	1/2	1/2	3,651.70	1/2	3,394.31	1/2	3,136.92	1/2	2,879.53	1/2	2,622.14	1/2	2,364.75	1/2	2,107.36	1/2	1,849.97
3/4	3/4	3/4	3/4	3/4	3,646.34	3/4	3,388.95	3/4	3,131.55	3/4	2,874.16	3/4	2,616.77	3/4	2,359.38	3/4	2,101.99	3/4	1,844.60

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 ON CENTERLINE AND 29'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 11620"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-03 1/4"

	10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.
0	1,839.24	0	1,581.85	0	1,324.46	0	1,067.07	0	809.68	0	552.54	0	295.52	0	38.34	0		0	
1/4	1,833.88	1/4	1,576.49	1/4	1,319.10	1/4	1,061.71	1/4	804.32	1/4	547.19	1/4	290.15	1/4	33.02	1/4		1/4	
1/2	1,828.52	1/2	1,571.13	1/2	1,313.74	1/2	1,056.34	1/2	798.95	1/2	541.85	1/2	284.79	1/2	28.56	1/2		1/2	
3/4	1,823.15	3/4	1,565.76	3/4	1,308.37	3/4	1,050.98	3/4	793.59	3/4	536.50	3/4	279.43	3/4	24.09	3/4		3/4	
1	1,817.79	1	1,560.40	1	1,303.01	1	1,045.62	1	788.23	1	531.16	1	274.07	1	19.63	1		1	
1/4	1,812.43	1/4	1,555.04	1/4	1,297.65	1/4	1,040.26	1/4	782.87	1/4	525.81	1/4	268.71	1/4	15.16	1/4		1/4	
1/2	1,807.07	1/2	1,549.68	1/2	1,292.29	1/2	1,034.90	1/2	777.51	1/2	520.47	1/2	263.34	1/2	12.48	1/2		1/2	
3/4	1,801.70	3/4	1,544.31	3/4	1,286.92	3/4	1,029.53	3/4	772.14	3/4	515.12	3/4	257.98	3/4	9.80	3/4		3/4	
2	1,796.34	2	1,538.95	2	1,281.56	2	1,024.17	2	766.78	2	509.78	2	252.62	2	7.12	2		2	
1/4	1,790.98	1/4	1,533.59	1/4	1,276.20	1/4	1,018.81	1/4	761.42	1/4	504.43	1/4	247.26	1/4	4.44	1/4		1/4	
1/2	1,785.62	1/2	1,528.23	1/2	1,270.84	1/2	1,013.45	1/2	756.06	1/2	499.09	1/2	241.90	1/2	3.54	1/2		1/2	
3/4	1,780.26	3/4	1,522.86	3/4	1,265.47	3/4	1,008.08	3/4	750.69	3/4	493.74	3/4	236.53	3/4	2.65	3/4		3/4	
3	1,774.89	3	1,517.50	3	1,260.11	3	1,002.72	3	745.33	3	488.40	3	231.17	3	1.76	3		3	
1/4	1,769.53	1/4	1,512.14	1/4	1,254.75	1/4	997.36	1/4	739.97	1/4	483.05	1/4	225.81	1/4	0.86	1/4		1/4	
1/2	1,764.17	1/2	1,506.78	1/2	1,249.39	1/2	992.00	1/2	734.61	1/2	477.71	1/2	220.45	1/2		1/2		1/2	
3/4	1,758.81	3/4	1,501.42	3/4	1,244.03	3/4	986.63	3/4	729.24	3/4	472.36	3/4	215.09	3/4		3/4		3/4	
4	1,753.44	4	1,496.05	4	1,238.66	4	981.27	4	723.88	4	467.02	4	209.72	4		4		4	
1/4	1,748.08	1/4	1,490.69	1/4	1,233.30	1/4	975.91	1/4	718.52	1/4	461.67	1/4	204.36	1/4		1/4		1/4	
1/2	1,742.72	1/2	1,485.33	1/2	1,227.94	1/2	970.55	1/2	713.16	1/2	456.33	1/2	199.00	1/2		1/2		1/2	
3/4	1,737.36	3/4	1,479.97	3/4	1,222.58	3/4	965.19	3/4	707.80	3/4	450.98	3/4	193.64	3/4		3/4		3/4	
5	1,731.99	5	1,474.60	5	1,217.21	5	959.82	5	702.43	5	445.64	5	188.28	5		5		5	
1/4	1,726.63	1/4	1,469.24	1/4	1,211.85	1/4	954.46	1/4	697.07	1/4	440.29	1/4	182.91	1/4		1/4		1/4	
1/2	1,721.27	1/2	1,463.88	1/2	1,206.49	1/2	949.10	1/2	691.71	1/2	434.93	1/2	177.55	1/2		1/2		1/2	
3/4	1,715.91	3/4	1,458.52	3/4	1,201.13	3/4	943.74	3/4	686.35	3/4	429.57	3/4	172.19	3/4		3/4		3/4	
6	1,710.55	6	1,453.15	6	1,195.76	6	938.37	6	680.98	6	424.20	6	166.83	6		6		6	
1/4	1,705.18	1/4	1,447.79	1/4	1,190.40	1/4	933.01	1/4	675.62	1/4	418.84	1/4	161.47	1/4		1/4		1/4	
1/2	1,699.82	1/2	1,442.43	1/2	1,185.04	1/2	927.65	1/2	670.26	1/2	413.48	1/2	156.10	1/2		1/2		1/2	
3/4	1,694.46	3/4	1,437.07	3/4	1,179.68	3/4	922.29	3/4	664.90	3/4	408.12	3/4	150.74	3/4		3/4		3/4	
7	1,689.10	7	1,431.71	7	1,174.32	7	916.92	7	659.53	7	402.76	7	145.38	7		7		7	
1/4	1,683.73	1/4	1,426.34	1/4	1,168.95	1/4	911.56	1/4	654.17	1/4	397.39	1/4	140.02	1/4		1/4		1/4	
1/2	1,678.37	1/2	1,420.98	1/2	1,163.59	1/2	906.20	1/2	648.82	1/2	392.03	1/2	134.66	1/2		1/2		1/2	
3/4	1,673.01	3/4	1,415.62	3/4	1,158.23	3/4	900.84	3/4	643.46	3/4	386.67	3/4	129.29	3/4		3/4		3/4	
8	1,667.65	8	1,410.26	8	1,152.87	8	895.48	8	638.11	8	381.31	8	123.93	8		8		8	
1/4	1,662.28	1/4	1,404.89	1/4	1,147.50	1/4	890.11	1/4	632.75	1/4	375.95	1/4	118.57	1/4		1/4		1/4	
1/2	1,656.92	1/2	1,399.53	1/2	1,142.14	1/2	884.75	1/2	627.40	1/2	370.58	1/2	113.21	1/2		1/2		1/2	
3/4	1,651.56	3/4	1,394.17	3/4	1,136.78	3/4	879.39	3/4	622.05	3/4	365.22	3/4	107.85	3/4		3/4		3/4	
9	1,646.20	9	1,388.81	9	1,131.42	9	874.03	9	616.69	9	359.86	9	102.48	9		9		9	
1/4	1,640.84	1/4	1,383.45	1/4	1,126.05	1/4	868.66	1/4	611.34	1/4	354.50	1/4	97.12	1/4		1/4		1/4	
1/2	1,635.47	1/2	1,378.08	1/2	1,120.69	1/2	863.30	1/2	605.99	1/2	349.14	1/2	91.76	1/2		1/2		1/2	
3/4	1,630.11	3/4	1,372.72	3/4	1,115.33	3/4	857.94	3/4	600.65	3/4	343.77	3/4	86.40	3/4		3/4		3/4	
10	1,624.75	10	1,367.36	10	1,109.97	10	852.58	10	595.30	10	338.41	10	81.04	10		10		10	
1/4	1,619.39	1/4	1,362.00	1/4	1,104.61	1/4	847.22	1/4	589.96	1/4	333.05	1/4	75.68	1/4		1/4		1/4	
1/2	1,614.02	1/2	1,356.63	1/2	1,099.24	1/2	841.85	1/2	584.61	1/2	327.69	1/2	70.33	1/2		1/2		1/2	
3/4	1,608.66	3/4	1,351.27	3/4	1,093.88	3/4	836.49	3/4	579.27	3/4	322.33	3/4	64.98	3/4		3/4		3/4	
11	1,603.30	11	1,345.91	11	1,088.52	11	831.13	11	573.92	11	316.96	11	59.64	11		11		11	
1/4	1,597.94	1/4	1,340.55	1/4	1,083.16	1/4	825.77	1/4	568.58	1/4	311.60	1/4	54.29	1/4		1/4		1/4	
1/2	1,592.57	1/2	1,335.18	1/2	1,077.79	1/2	820.40	1/2	563.23	1/2	306.24	1/2	48.97	1/2		1/2		1/2	
3/4	1,587.21	3/4	1,329.82	3/4	1,072.43	3/4	815.04	3/4	557.89	3/4	300.88	3/4	43.66	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/19/2023 JS
CALCULATED: 10/19/2023 CL
PRINTED: 10/19/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

PRECISION MEASUREMENT
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