



# BARGE "KIRBY 11517"

## 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	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 CENTER	00-1/8	- 00-1/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8
3 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	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 2 CENTER IS - 00-3/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 5/8"

LENGTH BETWEEN DRAFT MARKS: 162'-09"

September 21, 2023

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

<http://www.pmacorp.net>



# BARGE "KIRBY 11517"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-09 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	3,659.96	0	3,412.28	0	3,164.83	0	2,915.67	0	2,642.88	0	2,369.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,654.80	1/4	3,407.12	1/4	3,159.68	1/4	2,909.99	1/4	2,637.20	1/4	2,364.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,649.64	1/2	3,401.96	1/2	3,154.52	1/2	2,904.31	1/2	2,631.51	1/2	2,358.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,644.48	3/4	3,396.80	3/4	3,149.36	3/4	2,898.62	3/4	2,625.83	3/4	2,352.93
1		1		1		1		1	3,639.33	1	3,391.64	1	3,144.20	1	2,892.94	1	2,620.15	1	2,347.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,634.17	1/4	3,386.48	1/4	3,139.04	1/4	2,887.26	1/4	2,614.46	1/4	2,341.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,629.01	1/2	3,381.32	1/2	3,133.88	1/2	2,881.57	1/2	2,608.78	1/2	2,335.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,848.96	3/4	3,623.85	3/4	3,376.16	3/4	3,128.73	3/4	2,875.89	3/4	2,330.19
2		2		2		2		2	3,847.20	2	3,618.69	2	3,371.00	2	3,123.57	2	2,870.21	2	2,324.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,845.43	1/4	3,613.53	1/4	3,365.85	1/4	3,118.41	1/4	2,864.52	1/4	2,318.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,843.67	1/2	3,608.37	1/2	3,360.69	1/2	3,113.25	1/2	2,858.84	1/2	2,313.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,841.90	3/4	3,603.21	3/4	3,355.53	3/4	3,108.09	3/4	2,853.16	3/4	2,307.45
3		3		3		3		3	3,838.51	3	3,598.05	3	3,350.38	3	3,102.94	3	2,847.47	3	2,301.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,835.12	1/4	3,592.89	1/4	3,345.23	1/4	3,097.78	1/4	2,841.79	1/4	2,296.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,831.72	1/2	3,587.73	1/2	3,340.07	1/2	3,092.62	1/2	2,836.11	1/2	2,290.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,828.33	3/4	3,582.57	3/4	3,334.92	3/4	3,087.46	3/4	2,830.43	3/4	2,284.71
4		4		4		4		4	3,823.65	4	3,577.41	4	3,329.77	4	3,082.30	4	2,824.74	4	2,279.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,818.96	1/4	3,572.25	1/4	3,324.61	1/4	3,077.15	1/4	2,819.06	1/4	2,273.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,814.28	1/2	3,567.09	1/2	3,319.46	1/2	3,071.99	1/2	2,813.38	1/2	2,267.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,809.60	3/4	3,561.93	3/4	3,314.31	3/4	3,066.83	3/4	2,807.69	3/4	2,261.97
5		5		5		5		5	3,804.44	5	3,556.77	5	3,309.15	5	3,061.67	5	2,802.01	5	2,256.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,799.28	1/4	3,551.61	1/4	3,304.00	1/4	3,056.51	1/4	2,796.33	1/4	2,250.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,794.12	1/2	3,546.45	1/2	3,298.85	1/2	3,051.36	1/2	2,790.64	1/2	2,244.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,788.96	3/4	3,541.29	3/4	3,293.69	3/4	3,046.20	3/4	2,784.96	3/4	2,239.28
6		6		6		6		6	3,783.80	6	3,536.13	6	3,288.54	6	3,041.04	6	2,779.28	6	2,233.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,778.64	1/4	3,530.97	1/4	3,283.39	1/4	3,035.88	1/4	2,773.59	1/4	2,227.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,773.48	1/2	3,525.81	1/2	3,278.23	1/2	3,030.72	1/2	2,767.91	1/2	2,222.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,768.32	3/4	3,520.65	3/4	3,273.08	3/4	3,025.56	3/4	2,762.23	3/4	2,216.64
7		7		7		7		7	3,763.16	7	3,515.49	7	3,267.93	7	3,020.41	7	2,756.54	7	2,210.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,758.00	1/4	3,510.33	1/4	3,262.77	1/4	3,015.25	1/4	2,750.86	1/4	2,205.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,752.84	1/2	3,505.17	1/2	3,257.62	1/2	3,010.09	1/2	2,745.18	1/2	2,199.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,747.68	3/4	3,500.01	3/4	3,252.47	3/4	3,004.93	3/4	2,739.50	3/4	2,194.01
8		8		8		8		8	3,742.52	8	3,494.85	8	3,247.31	8	2,999.77	8	2,733.81	8	2,188.35
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,737.36	1/4	3,489.69	1/4	3,242.16	1/4	2,994.62	1/4	2,728.13	1/4	2,182.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,732.20	1/2	3,484.53	1/2	3,237.01	1/2	2,989.46	1/2	2,722.45	1/2	2,177.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,727.04	3/4	3,479.37	3/4	3,231.86	3/4	2,984.30	3/4	2,716.76	3/4	2,171.37
9		9		9		9		9	3,721.88	9	3,474.21	9	3,226.70	9	2,979.14	9	2,711.08	9	2,165.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,716.72	1/4	3,469.05	1/4	3,221.55	1/4	2,973.98	1/4	2,705.40	1/4	2,160.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,711.56	1/2	3,463.88	1/2	3,216.40	1/2	2,968.83	1/2	2,699.71	1/2	2,154.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,706.40	3/4	3,458.72	3/4	3,211.24	3/4	2,963.67	3/4	2,694.03	3/4	2,148.73
10		10		10		10		10	3,701.24	10	3,453.56	10	3,206.09	10	2,958.51	10	2,688.35	10	2,143.07
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,696.08	1/4	3,448.40	1/4	3,200.93	1/4	2,953.35	1/4	2,682.66	1/4	2,137.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,690.92	1/2	3,443.24	1/2	3,195.78	1/2	2,948.19	1/2	2,676.98	1/2	2,131.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,685.76	3/4	3,438.08	3/4	3,190.62	3/4	2,943.04	3/4	2,671.30	3/4	2,126.10
11		11		11		11		11	3,680.60	11	3,432.92	11	3,185.47	11	2,937.61	11	2,665.62	11	2,120.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,675.44	1/4	3,427.76	1/4	3,180.31	1/4	2,932.19	1/4	2,659.93	1/4	2,114.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,670.28	1/2	3,422.60	1/2	3,175.15	1/2	2,926.77	1/2	2,654.25	1/2	2,109.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,665.12	3/4	3,417.44	3/4	3,169.99	3/4	2,921.35	3/4	2,648.57	3/4	2,103.46

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 1'-00" OFF CENTERLINE AND 29'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>





# BARGE "KIRBY 11517"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-09 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	2,097.80	0	1,825.29	0	1,552.44	0	1,279.59	0	1,006.73	0	737.35	0	466.08	0	192.71	0		0	
1/4	2,092.14	1/4	1,819.60	1/4	1,546.75	1/4	1,273.90	1/4	1,001.05	1/4	731.79	1/4	460.39	1/4	187.01	1/4		1/4	
1/2	2,086.48	1/2	1,813.92	1/2	1,541.07	1/2	1,268.22	1/2	995.37	1/2	726.23	1/2	454.70	1/2	181.32	1/2		1/2	
3/4	2,080.82	3/4	1,808.23	3/4	1,535.38	3/4	1,262.53	3/4	989.68	3/4	720.68	3/4	449.02	3/4	175.62	3/4		3/4	
1	2,075.16	1	1,802.55	1	1,529.70	1	1,256.85	1	984.00	1	715.12	1	443.33	1	169.92	1		1	
1/4	2,069.50	1/4	1,796.87	1/4	1,524.01	1/4	1,251.16	1/4	978.31	1/4	709.57	1/4	437.64	1/4	164.22	1/4		1/4	
1/2	2,063.85	1/2	1,791.18	1/2	1,518.33	1/2	1,245.48	1/2	972.63	1/2	704.01	1/2	431.96	1/2	158.52	1/2		1/2	
3/4	2,058.19	3/4	1,785.50	3/4	1,512.65	3/4	1,239.79	3/4	966.94	3/4	698.46	3/4	426.27	3/4	152.82	3/4		3/4	
2	2,052.53	2	1,779.81	2	1,506.96	2	1,234.11	2	961.26	2	692.90	2	420.58	2	147.12	2		2	
1/4	2,046.87	1/4	1,774.13	1/4	1,501.28	1/4	1,228.43	1/4	955.57	1/4	687.34	1/4	414.89	1/4	141.42	1/4		1/4	
1/2	2,041.21	1/2	1,768.44	1/2	1,495.59	1/2	1,222.74	1/2	949.89	1/2	681.79	1/2	409.21	1/2	135.72	1/2		1/2	
3/4	2,035.55	3/4	1,762.76	3/4	1,489.91	3/4	1,217.06	3/4	944.21	3/4	676.23	3/4	403.52	3/4	130.03	3/4		3/4	
3	2,029.88	3	1,757.08	3	1,484.22	3	1,211.37	3	938.52	3	670.61	3	397.83	3	124.33	3		3	
1/4	2,024.21	1/4	1,751.39	1/4	1,478.54	1/4	1,205.69	1/4	932.84	1/4	664.99	1/4	392.14	1/4	118.63	1/4		1/4	
1/2	2,018.54	1/2	1,745.71	1/2	1,472.85	1/2	1,200.00	1/2	927.15	1/2	659.37	1/2	386.45	1/2	112.93	1/2		1/2	
3/4	2,012.87	3/4	1,740.02	3/4	1,467.17	3/4	1,194.32	3/4	921.47	3/4	653.75	3/4	380.76	3/4	107.23	3/4		3/4	
4	2,007.19	4	1,734.34	4	1,461.49	4	1,188.63	4	915.78	4	648.06	4	375.07	4	101.53	4		4	
1/4	2,001.50	1/4	1,728.65	1/4	1,455.80	1/4	1,182.95	1/4	910.10	1/4	642.38	1/4	369.37	1/4	95.83	1/4		1/4	
1/2	1,995.82	1/2	1,722.97	1/2	1,450.12	1/2	1,177.27	1/2	904.41	1/2	636.69	1/2	363.68	1/2	90.13	1/2		1/2	
3/4	1,990.14	3/4	1,717.28	3/4	1,444.43	3/4	1,171.58	3/4	898.73	3/4	631.00	3/4	357.98	3/4	84.43	3/4		3/4	
5	1,984.45	5	1,711.60	5	1,438.75	5	1,165.90	5	893.11	5	625.32	5	352.28	5	78.74	5		5	
1/4	1,978.77	1/4	1,705.92	1/4	1,433.06	1/4	1,160.21	1/4	887.49	1/4	619.63	1/4	346.58	1/4	73.04	1/4		1/4	
1/2	1,973.08	1/2	1,700.23	1/2	1,427.38	1/2	1,154.53	1/2	881.87	1/2	613.94	1/2	340.88	1/2	67.34	1/2		1/2	
3/4	1,967.40	3/4	1,694.55	3/4	1,421.70	3/4	1,148.84	3/4	876.25	3/4	608.26	3/4	335.19	3/4	61.64	3/4		3/4	
6	1,961.71	6	1,688.86	6	1,416.01	6	1,143.16	6	870.69	6	602.57	6	329.49	6	55.94	6		6	
1/4	1,956.03	1/4	1,683.18	1/4	1,410.33	1/4	1,137.48	1/4	865.13	1/4	596.88	1/4	323.79	1/4	50.24	1/4		1/4	
1/2	1,950.34	1/2	1,677.49	1/2	1,404.64	1/2	1,131.79	1/2	859.58	1/2	591.20	1/2	318.09	1/2	44.54	1/2		1/2	
3/4	1,944.66	3/4	1,671.81	3/4	1,398.96	3/4	1,126.11	3/4	854.02	3/4	585.51	3/4	312.39	3/4	38.84	3/4		3/4	
7	1,938.98	7	1,666.12	7	1,393.27	7	1,120.42	7	848.46	7	579.82	7	306.69	7	33.72	7		7	
1/4	1,933.29	1/4	1,660.44	1/4	1,387.59	1/4	1,114.74	1/4	842.91	1/4	574.14	1/4	300.99	1/4	28.60	1/4		1/4	
1/2	1,927.61	1/2	1,654.76	1/2	1,381.90	1/2	1,109.05	1/2	837.35	1/2	568.45	1/2	295.29	1/2	23.48	1/2		1/2	
3/4	1,921.92	3/4	1,649.07	3/4	1,376.22	3/4	1,103.37	3/4	831.79	3/4	562.76	3/4	289.59	3/4	18.36	3/4		3/4	
8	1,916.24	8	1,643.39	8	1,370.54	8	1,097.68	8	826.24	8	557.07	8	283.90	8	14.97	8		8	
1/4	1,910.55	1/4	1,637.70	1/4	1,364.85	1/4	1,092.00	1/4	820.68	1/4	551.39	1/4	278.20	1/4	11.58	1/4		1/4	
1/2	1,904.87	1/2	1,632.02	1/2	1,359.17	1/2	1,086.32	1/2	815.13	1/2	545.70	1/2	272.50	1/2	8.19	1/2		1/2	
3/4	1,899.19	3/4	1,626.33	3/4	1,353.48	3/4	1,080.63	3/4	809.57	3/4	540.01	3/4	266.80	3/4	4.80	3/4		3/4	
9	1,893.50	9	1,620.65	9	1,347.80	9	1,074.95	9	804.01	9	534.33	9	261.10	9	3.72	9		9	
1/4	1,887.82	1/4	1,614.96	1/4	1,342.11	1/4	1,069.26	1/4	798.46	1/4	528.64	1/4	255.40	1/4	2.64	1/4		1/4	
1/2	1,882.13	1/2	1,609.28	1/2	1,336.43	1/2	1,063.58	1/2	792.90	1/2	522.95	1/2	249.70	1/2	1.56	1/2		1/2	
3/4	1,876.45	3/4	1,603.60	3/4	1,330.74	3/4	1,057.89	3/4	787.35	3/4	517.26	3/4	244.00	3/4	0.48	3/4		3/4	
10	1,870.76	10	1,597.91	10	1,325.06	10	1,052.21	10	781.79	10	511.58	10	238.30	10		10		10	
1/4	1,865.08	1/4	1,592.23	1/4	1,319.38	1/4	1,046.52	1/4	776.24	1/4	505.89	1/4	232.61	1/4		1/4		1/4	
1/2	1,859.39	1/2	1,586.54	1/2	1,313.69	1/2	1,040.84	1/2	770.68	1/2	500.20	1/2	226.91	1/2		1/2		1/2	
3/4	1,853.71	3/4	1,580.86	3/4	1,308.01	3/4	1,035.16	3/4	765.12	3/4	494.52	3/4	221.21	3/4		3/4		3/4	
11	1,848.03	11	1,575.17	11	1,302.32	11	1,029.47	11	759.57	11	488.83	11	215.51	11		11		11	
1/4	1,842.34	1/4	1,569.49	1/4	1,296.64	1/4	1,023.79	1/4	754.01	1/4	483.14	1/4	209.81	1/4		1/4		1/4	
1/2	1,836.66	1/2	1,563.81	1/2	1,290.95	1/2	1,018.10	1/2	748.46	1/2	477.45	1/2	204.11	1/2		1/2		1/2	
3/4	1,830.97	3/4	1,558.12	3/4	1,285.27	3/4	1,012.42	3/4	742.90	3/4	471.77	3/4	198.41	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/13/2005 CL - SW  
CALCULATED: 07/14/2005 CL  
VERIFIED: 09/21/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2023

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "KIRBY 11517"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-10 1/4"

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	3,425.71	0	3,176.54	0	2,927.37	0	2,678.20	0	2,429.03	0	2,179.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,420.51	1/4	3,171.35	1/4	2,922.18	1/4	2,673.01	1/4	2,423.84	1/4	2,174.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,415.32	1/2	3,166.16	1/2	2,916.99	1/2	2,667.82	1/2	2,418.65	1/2	2,169.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,410.13	3/4	3,160.96	3/4	2,911.80	3/4	2,662.63	3/4	2,413.46	3/4	2,164.29
1		1		1		1		1	3,404.94	1	3,155.77	1	2,906.61	1	2,657.44	1	2,408.27	1	2,159.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,399.75	1/4	3,150.58	1/4	2,901.41	1/4	2,652.25	1/4	2,403.08	1/4	2,153.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,394.56	1/2	3,145.39	1/2	2,896.22	1/2	2,647.06	1/2	2,397.89	1/2	2,148.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,389.37	3/4	3,140.20	3/4	2,891.03	3/4	2,641.86	3/4	2,392.70	3/4	2,143.53
2		2		2		2		2	3,384.18	2	3,135.01	2	2,885.84	2	2,636.67	2	2,387.51	2	2,138.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,605.65	1/4	3,378.99	1/4	3,129.82	1/4	2,880.65	1/4	2,631.48	1/4	2,382.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,603.92	1/2	3,373.80	1/2	3,124.63	1/2	2,875.46	1/2	2,626.29	1/2	2,377.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,602.19	3/4	3,368.60	3/4	3,119.44	3/4	2,870.27	3/4	2,621.10	3/4	2,371.93
3		3		3		3		3	3,600.46	3	3,363.41	3	3,114.25	3	2,865.08	3	2,615.91	3	2,366.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,598.73	1/4	3,358.22	1/4	3,109.05	1/4	2,859.89	1/4	2,610.72	1/4	2,361.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,595.27	1/2	3,353.03	1/2	3,103.86	1/2	2,854.70	1/2	2,605.53	1/2	2,356.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,591.81	3/4	3,347.84	3/4	3,098.67	3/4	2,849.50	3/4	2,600.34	3/4	2,351.17
4		4		4		4		4	3,588.35	4	3,342.65	4	3,093.48	4	2,844.31	4	2,595.15	4	2,345.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,584.89	1/4	3,337.46	1/4	3,088.29	1/4	2,839.12	1/4	2,589.95	1/4	2,340.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,580.13	1/2	3,332.27	1/2	3,083.10	1/2	2,833.93	1/2	2,584.76	1/2	2,335.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,575.37	3/4	3,327.08	3/4	3,077.91	3/4	2,828.74	3/4	2,579.57	3/4	2,330.40
5		5		5		5		5	3,570.62	5	3,321.89	5	3,072.72	5	2,823.55	5	2,574.38	5	2,325.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,565.86	1/4	3,316.69	1/4	3,067.53	1/4	2,818.36	1/4	2,569.19	1/4	2,320.02
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,560.67	1/2	3,311.50	1/2	3,062.34	1/2	2,813.17	1/2	2,564.00	1/2	2,314.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,555.48	3/4	3,306.31	3/4	3,057.14	3/4	2,807.98	3/4	2,558.81	3/4	2,309.64
6		6		6		6		6	3,550.29	6	3,301.12	6	3,051.95	6	2,802.79	6	2,553.62	6	2,304.45
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,545.10	1/4	3,295.93	1/4	3,046.76	1/4	2,797.59	1/4	2,548.43	1/4	2,299.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,539.91	1/2	3,290.74	1/2	3,041.57	1/2	2,792.40	1/2	2,543.24	1/2	2,294.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,534.72	3/4	3,285.55	3/4	3,036.38	3/4	2,787.21	3/4	2,538.04	3/4	2,288.88
7		7		7		7		7	3,529.53	7	3,280.36	7	3,031.19	7	2,782.02	7	2,532.85	7	2,283.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,524.33	1/4	3,275.17	1/4	3,026.00	1/4	2,776.83	1/4	2,527.66	1/4	2,278.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,519.14	1/2	3,269.98	1/2	3,020.81	1/2	2,771.64	1/2	2,522.47	1/2	2,273.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,513.95	3/4	3,264.78	3/4	3,015.62	3/4	2,766.45	3/4	2,517.28	3/4	2,268.11
8		8		8		8		8	3,508.76	8	3,259.59	8	3,010.43	8	2,761.26	8	2,512.09	8	2,262.92
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,503.57	1/4	3,254.40	1/4	3,005.23	1/4	2,756.07	1/4	2,506.90	1/4	2,257.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,498.38	1/2	3,249.21	1/2	3,000.04	1/2	2,750.88	1/2	2,501.71	1/2	2,252.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,493.19	3/4	3,244.02	3/4	2,994.85	3/4	2,745.68	3/4	2,496.52	3/4	2,247.35
9		9		9		9		9	3,488.00	9	3,238.83	9	2,989.66	9	2,740.49	9	2,491.33	9	2,242.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,482.81	1/4	3,233.64	1/4	2,984.47	1/4	2,735.30	1/4	2,486.13	1/4	2,236.97
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,477.62	1/2	3,228.45	1/2	2,979.28	1/2	2,730.11	1/2	2,480.94	1/2	2,231.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,472.42	3/4	3,223.26	3/4	2,974.09	3/4	2,724.92	3/4	2,475.75	3/4	2,226.58
10		10		10		10		10	3,467.23	10	3,218.07	10	2,968.90	10	2,719.73	10	2,470.56	10	2,221.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,462.04	1/4	3,212.87	1/4	2,963.71	1/4	2,714.54	1/4	2,465.37	1/4	2,216.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,456.85	1/2	3,207.68	1/2	2,958.52	1/2	2,709.35	1/2	2,460.18	1/2	2,211.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,451.66	3/4	3,202.49	3/4	2,953.32	3/4	2,704.16	3/4	2,454.99	3/4	2,205.82
11		11		11		11		11	3,446.47	11	3,197.30	11	2,948.13	11	2,698.97	11	2,449.80	11	2,200.63
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,441.28	1/4	3,192.11	1/4	2,942.94	1/4	2,693.77	1/4	2,444.61	1/4	2,195.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,436.09	1/2	3,186.92	1/2	2,937.75	1/2	2,688.58	1/2	2,439.42	1/2	2,190.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,430.90	3/4	3,181.73	3/4	2,932.56	3/4	2,683.39	3/4	2,434.22	3/4	2,185.06

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 1'-00" OFF CENTERLINE AND 29'-02" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 11517"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-10 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,930.70	0	1,681.53	0	1,432.36	0	1,183.19	0	934.03	0	688.66	0	441.81	0	192.67	0		0	
1/4	1,925.51	1/4	1,676.34	1/4	1,427.17	1/4	1,178.00	1/4	928.83	1/4	683.62	1/4	436.62	1/4	187.48	1/4		1/4	
1/2	1,920.32	1/2	1,671.15	1/2	1,421.98	1/2	1,172.81	1/2	923.64	1/2	678.58	1/2	431.43	1/2	182.29	1/2		1/2	
3/4	1,915.12	3/4	1,665.96	3/4	1,416.79	3/4	1,167.62	3/4	918.45	3/4	673.54	3/4	426.24	3/4	177.10	3/4		3/4	
1	1,909.93	1	1,660.77	1	1,411.60	1	1,162.43	1	913.26	1	668.51	1	421.05	1	171.91	1		1	
1/4	1,904.74	1/4	1,655.57	1/4	1,406.41	1/4	1,157.24	1/4	908.07	1/4	663.47	1/4	415.86	1/4	166.71	1/4		1/4	
1/2	1,899.55	1/2	1,650.38	1/2	1,401.22	1/2	1,152.05	1/2	902.88	1/2	658.43	1/2	410.67	1/2	161.52	1/2		1/2	
3/4	1,894.36	3/4	1,645.19	3/4	1,396.02	3/4	1,146.86	3/4	897.69	3/4	653.39	3/4	405.48	3/4	156.33	3/4		3/4	
2	1,889.17	2	1,640.00	2	1,390.83	2	1,141.67	2	892.50	2	648.35	2	400.29	2	151.14	2		2	
1/4	1,883.98	1/4	1,634.81	1/4	1,385.64	1/4	1,136.47	1/4	887.31	1/4	643.31	1/4	395.10	1/4	145.95	1/4		1/4	
1/2	1,878.79	1/2	1,629.62	1/2	1,380.45	1/2	1,131.28	1/2	882.12	1/2	638.28	1/2	389.91	1/2	140.76	1/2		1/2	
3/4	1,873.60	3/4	1,624.43	3/4	1,375.26	3/4	1,126.09	3/4	876.92	3/4	633.24	3/4	384.72	3/4	135.57	3/4		3/4	
3	1,868.41	3	1,619.24	3	1,370.07	3	1,120.90	3	871.73	3	628.20	3	379.53	3	130.38	3		3	
1/4	1,863.21	1/4	1,614.05	1/4	1,364.88	1/4	1,115.71	1/4	866.54	1/4	623.16	1/4	374.33	1/4	125.19	1/4		1/4	
1/2	1,858.02	1/2	1,608.86	1/2	1,359.69	1/2	1,110.52	1/2	861.35	1/2	618.05	1/2	369.14	1/2	120.00	1/2		1/2	
3/4	1,852.83	3/4	1,603.66	3/4	1,354.50	3/4	1,105.33	3/4	856.16	3/4	612.93	3/4	363.95	3/4	114.81	3/4		3/4	
4	1,847.64	4	1,598.47	4	1,349.31	4	1,100.14	4	850.97	4	607.82	4	358.76	4	109.62	4		4	
1/4	1,842.45	1/4	1,593.28	1/4	1,344.11	1/4	1,094.95	1/4	845.78	1/4	602.70	1/4	353.57	1/4	104.43	1/4		1/4	
1/2	1,837.26	1/2	1,588.09	1/2	1,338.92	1/2	1,089.76	1/2	840.59	1/2	597.51	1/2	348.38	1/2	99.24	1/2		1/2	
3/4	1,832.07	3/4	1,582.90	3/4	1,333.73	3/4	1,084.56	3/4	835.40	3/4	592.32	3/4	343.19	3/4	94.05	3/4		3/4	
5	1,826.88	5	1,577.71	5	1,328.54	5	1,079.37	5	830.21	5	587.13	5	338.00	5	88.86	5		5	
1/4	1,821.69	1/4	1,572.52	1/4	1,323.35	1/4	1,074.18	1/4	825.01	1/4	581.95	1/4	332.81	1/4	83.67	1/4		1/4	
1/2	1,816.50	1/2	1,567.33	1/2	1,318.16	1/2	1,068.99	1/2	819.90	1/2	576.76	1/2	327.62	1/2	78.48	1/2		1/2	
3/4	1,811.30	3/4	1,562.14	3/4	1,312.97	3/4	1,063.80	3/4	814.78	3/4	571.57	3/4	322.43	3/4	73.29	3/4		3/4	
6	1,806.11	6	1,556.95	6	1,307.78	6	1,058.61	6	809.67	6	566.38	6	317.24	6	68.10	6		6	
1/4	1,800.92	1/4	1,551.75	1/4	1,302.59	1/4	1,053.42	1/4	804.55	1/4	561.19	1/4	312.05	1/4	62.90	1/4		1/4	
1/2	1,795.73	1/2	1,546.56	1/2	1,297.40	1/2	1,048.23	1/2	799.51	1/2	556.00	1/2	306.86	1/2	57.71	1/2		1/2	
3/4	1,790.54	3/4	1,541.37	3/4	1,292.20	3/4	1,043.04	3/4	794.47	3/4	550.81	3/4	301.67	3/4	52.52	3/4		3/4	
7	1,785.35	7	1,536.18	7	1,287.01	7	1,037.85	7	789.43	7	545.62	7	296.48	7	47.33	7		7	
1/4	1,780.16	1/4	1,530.99	1/4	1,281.82	1/4	1,032.65	1/4	784.39	1/4	540.43	1/4	291.29	1/4	42.14	1/4		1/4	
1/2	1,774.97	1/2	1,525.80	1/2	1,276.63	1/2	1,027.46	1/2	779.35	1/2	535.24	1/2	286.10	1/2	37.38	1/2		1/2	
3/4	1,769.78	3/4	1,520.61	3/4	1,271.44	3/4	1,022.27	3/4	774.31	3/4	530.05	3/4	280.91	3/4	32.63	3/4		3/4	
8	1,764.59	8	1,515.42	8	1,266.25	8	1,017.08	8	769.28	8	524.86	8	275.72	8	27.87	8		8	
1/4	1,759.39	1/4	1,510.23	1/4	1,261.06	1/4	1,011.89	1/4	764.24	1/4	519.67	1/4	270.52	1/4	23.11	1/4		1/4	
1/2	1,754.20	1/2	1,505.04	1/2	1,255.87	1/2	1,006.70	1/2	759.20	1/2	514.48	1/2	265.33	1/2	19.65	1/2		1/2	
3/4	1,749.01	3/4	1,499.84	3/4	1,250.68	3/4	1,001.51	3/4	754.16	3/4	509.29	3/4	260.14	3/4	16.19	3/4		3/4	
9	1,743.82	9	1,494.65	9	1,245.49	9	996.32	9	749.12	9	504.10	9	254.95	9	12.73	9		9	
1/4	1,738.63	1/4	1,489.46	1/4	1,240.29	1/4	991.13	1/4	744.08	1/4	498.91	1/4	249.76	1/4	9.27	1/4		1/4	
1/2	1,733.44	1/2	1,484.27	1/2	1,235.10	1/2	985.94	1/2	739.04	1/2	493.72	1/2	244.57	1/2	7.54	1/2		1/2	
3/4	1,728.25	3/4	1,479.08	3/4	1,229.91	3/4	980.74	3/4	734.00	3/4	488.53	3/4	239.38	3/4	5.81	3/4		3/4	
10	1,723.06	10	1,473.89	10	1,224.72	10	975.55	10	728.97	10	483.34	10	234.19	10	4.08	10		10	
1/4	1,717.87	1/4	1,468.70	1/4	1,219.53	1/4	970.36	1/4	723.93	1/4	478.14	1/4	229.00	1/4	2.35	1/4		1/4	
1/2	1,712.68	1/2	1,463.51	1/2	1,214.34	1/2	965.17	1/2	718.89	1/2	472.95	1/2	223.81	1/2		1/2		1/2	
3/4	1,707.48	3/4	1,458.32	3/4	1,209.15	3/4	959.98	3/4	713.85	3/4	467.76	3/4	218.62	3/4		3/4		3/4	
11	1,702.29	11	1,453.13	11	1,203.96	11	954.79	11	708.81	11	462.57	11	213.43	11		11		11	
1/4	1,697.10	1/4	1,447.93	1/4	1,198.77	1/4	949.60	1/4	703.77	1/4	457.38	1/4	208.24	1/4		1/4		1/4	
1/2	1,691.91	1/2	1,442.74	1/2	1,193.58	1/2	944.41	1/2	698.74	1/2	452.19	1/2	203.05	1/2		1/2		1/2	
3/4	1,686.72	3/4	1,437.55	3/4	1,188.38	3/4	939.22	3/4	693.70	3/4	447.00	3/4	197.86	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/13/2005 CL - SW  
CALCULATED: 07/14/2005 CL  
VERIFIED: 09/21/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2023

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "KIRBY 11517"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-10 1/4"

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	3,414.26	0	3,166.34	0	2,918.42	0	2,670.50	0	2,422.58	0	2,174.66
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,409.10	1/4	3,161.18	1/4	2,913.26	1/4	2,665.34	1/4	2,417.42	1/4	2,169.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,403.93	1/2	3,156.01	1/2	2,908.09	1/2	2,660.17	1/2	2,412.25	1/2	2,164.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,398.77	3/4	3,150.85	3/4	2,902.93	3/4	2,655.01	3/4	2,407.09	3/4	2,159.17
1		1		1		1		1	3,393.60	1	3,145.68	1	2,897.76	1	2,649.84	1	2,401.92	1	2,154.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,388.44	1/4	3,140.52	1/4	2,892.60	1/4	2,644.68	1/4	2,396.76	1/4	2,148.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,383.27	1/2	3,135.35	1/2	2,887.43	1/2	2,639.51	1/2	2,391.59	1/2	2,143.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,378.11	3/4	3,130.19	3/4	2,882.27	3/4	2,634.35	3/4	2,386.43	3/4	2,138.51
2		2		2		2		2	3,372.94	2	3,125.02	2	2,877.10	2	2,629.18	2	2,381.26	2	2,133.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,593.32	1/4	3,367.78	1/4	3,119.86	1/4	2,871.94	1/4	2,624.02	1/4	2,376.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,591.60	1/2	3,362.61	1/2	3,114.69	1/2	2,866.77	1/2	2,618.85	1/2	2,370.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,589.88	3/4	3,357.45	3/4	3,109.53	3/4	2,861.61	3/4	2,613.69	3/4	2,365.77
3		3		3		3		3	3,588.16	3	3,352.28	3	3,104.36	3	2,856.44	3	2,608.52	3	2,360.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,586.44	1/4	3,347.12	1/4	3,099.20	1/4	2,851.28	1/4	2,603.36	1/4	2,355.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,583.00	1/2	3,341.95	1/2	3,094.03	1/2	2,846.11	1/2	2,598.19	1/2	2,350.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,579.55	3/4	3,336.79	3/4	3,088.87	3/4	2,840.95	3/4	2,593.03	3/4	2,345.11
4		4		4		4		4	3,576.11	4	3,331.62	4	3,083.70	4	2,835.78	4	2,587.86	4	2,339.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,572.67	1/4	3,326.46	1/4	3,078.54	1/4	2,830.62	1/4	2,582.70	1/4	2,334.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,567.93	1/2	3,321.29	1/2	3,073.37	1/2	2,825.45	1/2	2,577.53	1/2	2,329.61
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,563.20	3/4	3,316.13	3/4	3,068.21	3/4	2,820.29	3/4	2,572.37	3/4	2,324.45
5		5		5		5		5	3,558.46	5	3,310.96	5	3,063.04	5	2,815.12	5	2,567.20	5	2,319.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,553.72	1/4	3,305.80	1/4	3,057.88	1/4	2,809.96	1/4	2,562.04	1/4	2,314.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,548.55	1/2	3,300.63	1/2	3,052.71	1/2	2,804.79	1/2	2,556.87	1/2	2,308.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,543.39	3/4	3,295.47	3/4	3,047.55	3/4	2,799.63	3/4	2,551.71	3/4	2,303.79
6		6		6		6		6	3,538.22	6	3,290.30	6	3,042.38	6	2,794.46	6	2,546.54	6	2,298.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,533.06	1/4	3,285.14	1/4	3,037.22	1/4	2,789.30	1/4	2,541.38	1/4	2,293.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,527.89	1/2	3,279.97	1/2	3,032.05	1/2	2,784.13	1/2	2,536.21	1/2	2,288.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,522.73	3/4	3,274.81	3/4	3,026.89	3/4	2,778.97	3/4	2,531.05	3/4	2,283.13
7		7		7		7		7	3,517.56	7	3,269.64	7	3,021.72	7	2,773.80	7	2,525.88	7	2,277.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,512.40	1/4	3,264.48	1/4	3,016.56	1/4	2,768.64	1/4	2,520.72	1/4	2,272.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,507.23	1/2	3,259.31	1/2	3,011.39	1/2	2,763.47	1/2	2,515.55	1/2	2,267.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,502.07	3/4	3,254.15	3/4	3,006.23	3/4	2,758.31	3/4	2,510.39	3/4	2,262.47
8		8		8		8		8	3,496.90	8	3,248.98	8	3,001.06	8	2,753.14	8	2,505.22	8	2,257.30
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,491.74	1/4	3,243.82	1/4	2,995.90	1/4	2,747.98	1/4	2,500.06	1/4	2,252.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,486.57	1/2	3,238.65	1/2	2,990.73	1/2	2,742.81	1/2	2,494.89	1/2	2,246.97
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,481.41	3/4	3,233.49	3/4	2,985.57	3/4	2,737.65	3/4	2,489.73	3/4	2,241.81
9		9		9		9		9	3,476.24	9	3,228.32	9	2,980.40	9	2,732.48	9	2,484.56	9	2,236.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,471.08	1/4	3,223.16	1/4	2,975.24	1/4	2,727.32	1/4	2,479.40	1/4	2,231.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,465.91	1/2	3,217.99	1/2	2,970.07	1/2	2,722.15	1/2	2,474.23	1/2	2,226.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,460.75	3/4	3,212.83	3/4	2,964.91	3/4	2,716.99	3/4	2,469.07	3/4	2,221.15
10		10		10		10		10	3,455.58	10	3,207.66	10	2,959.74	10	2,711.82	10	2,463.90	10	2,215.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,450.42	1/4	3,202.50	1/4	2,954.58	1/4	2,706.66	1/4	2,458.74	1/4	2,210.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,445.25	1/2	3,197.33	1/2	2,949.41	1/2	2,701.49	1/2	2,453.57	1/2	2,205.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,440.09	3/4	3,192.17	3/4	2,944.25	3/4	2,696.33	3/4	2,448.41	3/4	2,200.49
11		11		11		11		11	3,434.92	11	3,187.00	11	2,939.08	11	2,691.16	11	2,443.24	11	2,195.32
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,429.76	1/4	3,181.84	1/4	2,933.92	1/4	2,686.00	1/4	2,438.08	1/4	2,190.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,424.59	1/2	3,176.67	1/2	2,928.75	1/2	2,680.83	1/2	2,432.91	1/2	2,184.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,419.43	3/4	3,171.51	3/4	2,923.59	3/4	2,675.67	3/4	2,427.75	3/4	2,179.83

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 1'-00" OFF CENTERLINE AND 28'-10" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>





# BARGE "KIRBY 11517"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17'-10 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,926.74	0	1,678.82	0	1,430.90	0	1,182.98	0	935.06	0	687.39	0	439.62	0	191.72	0		0	
1/4	1,921.58	1/4	1,673.66	1/4	1,425.74	1/4	1,177.82	1/4	929.90	1/4	682.23	1/4	434.46	1/4	186.55	1/4		1/4	
1/2	1,916.41	1/2	1,668.49	1/2	1,420.57	1/2	1,172.65	1/2	924.73	1/2	677.08	1/2	429.29	1/2	181.39	1/2		1/2	
3/4	1,911.25	3/4	1,663.33	3/4	1,415.41	3/4	1,167.49	3/4	919.57	3/4	671.92	3/4	424.13	3/4	176.22	3/4		3/4	
1	1,906.08	1	1,658.16	1	1,410.24	1	1,162.32	1	914.40	1	666.77	1	418.96	1	171.06	1		1	
1/4	1,900.92	1/4	1,653.00	1/4	1,405.08	1/4	1,157.16	1/4	909.24	1/4	661.61	1/4	413.80	1/4	165.89	1/4		1/4	
1/2	1,895.75	1/2	1,647.83	1/2	1,399.91	1/2	1,151.99	1/2	904.07	1/2	656.46	1/2	408.64	1/2	160.73	1/2		1/2	
3/4	1,890.59	3/4	1,642.67	3/4	1,394.75	3/4	1,146.83	3/4	898.91	3/4	651.30	3/4	403.47	3/4	155.56	3/4		3/4	
2	1,885.42	2	1,637.50	2	1,389.58	2	1,141.66	2	893.74	2	646.15	2	398.31	2	150.40	2		2	
1/4	1,880.26	1/4	1,632.34	1/4	1,384.42	1/4	1,136.50	1/4	888.58	1/4	640.99	1/4	393.14	1/4	145.24	1/4		1/4	
1/2	1,875.09	1/2	1,627.17	1/2	1,379.25	1/2	1,131.33	1/2	883.41	1/2	635.84	1/2	387.98	1/2	140.07	1/2		1/2	
3/4	1,869.93	3/4	1,622.01	3/4	1,374.09	3/4	1,126.17	3/4	878.25	3/4	630.68	3/4	382.81	3/4	134.91	3/4		3/4	
3	1,864.76	3	1,616.84	3	1,368.92	3	1,121.00	3	873.08	3	625.53	3	377.65	3	129.74	3		3	
1/4	1,859.60	1/4	1,611.68	1/4	1,363.76	1/4	1,115.84	1/4	867.92	1/4	620.37	1/4	372.48	1/4	124.58	1/4		1/4	
1/2	1,854.43	1/2	1,606.51	1/2	1,358.59	1/2	1,110.67	1/2	862.75	1/2	615.21	1/2	367.32	1/2	119.41	1/2		1/2	
3/4	1,849.27	3/4	1,601.35	3/4	1,353.43	3/4	1,105.51	3/4	857.59	3/4	610.05	3/4	362.15	3/4	114.25	3/4		3/4	
4	1,844.10	4	1,596.18	4	1,348.26	4	1,100.34	4	852.42	4	604.89	4	356.99	4	109.08	4		4	
1/4	1,838.94	1/4	1,591.02	1/4	1,343.10	1/4	1,095.18	1/4	847.26	1/4	599.73	1/4	351.82	1/4	103.92	1/4		1/4	
1/2	1,833.77	1/2	1,585.85	1/2	1,337.93	1/2	1,090.01	1/2	842.09	1/2	594.57	1/2	346.66	1/2	98.75	1/2		1/2	
3/4	1,828.61	3/4	1,580.69	3/4	1,332.77	3/4	1,084.85	3/4	836.93	3/4	589.40	3/4	341.49	3/4	93.59	3/4		3/4	
5	1,823.44	5	1,575.52	5	1,327.60	5	1,079.68	5	831.76	5	584.24	5	336.33	5	88.42	5		5	
1/4	1,818.28	1/4	1,570.36	1/4	1,322.44	1/4	1,074.52	1/4	826.60	1/4	579.08	1/4	331.16	1/4	83.26	1/4		1/4	
1/2	1,813.11	1/2	1,565.19	1/2	1,317.27	1/2	1,069.35	1/2	821.44	1/2	573.91	1/2	326.00	1/2	78.09	1/2		1/2	
3/4	1,807.95	3/4	1,560.03	3/4	1,312.11	3/4	1,064.19	3/4	816.28	3/4	568.75	3/4	320.84	3/4	72.93	3/4		3/4	
6	1,802.78	6	1,554.86	6	1,306.94	6	1,059.02	6	811.12	6	563.58	6	315.67	6	67.76	6		6	
1/4	1,797.62	1/4	1,549.70	1/4	1,301.78	1/4	1,053.86	1/4	805.96	1/4	558.42	1/4	310.51	1/4	62.60	1/4		1/4	
1/2	1,792.45	1/2	1,544.53	1/2	1,296.61	1/2	1,048.69	1/2	800.80	1/2	553.25	1/2	305.34	1/2	57.44	1/2		1/2	
3/4	1,787.29	3/4	1,539.37	3/4	1,291.45	3/4	1,043.53	3/4	795.65	3/4	548.08	3/4	300.18	3/4	52.27	3/4		3/4	
7	1,782.12	7	1,534.20	7	1,286.28	7	1,038.36	7	790.49	7	542.92	7	295.01	7	47.11	7		7	
1/4	1,776.96	1/4	1,529.04	1/4	1,281.12	1/4	1,033.20	1/4	785.33	1/4	537.75	1/4	289.85	1/4	41.94	1/4		1/4	
1/2	1,771.79	1/2	1,523.87	1/2	1,275.95	1/2	1,028.03	1/2	780.18	1/2	532.59	1/2	284.68	1/2	37.21	1/2		1/2	
3/4	1,766.63	3/4	1,518.71	3/4	1,270.79	3/4	1,022.87	3/4	775.02	3/4	527.42	3/4	279.52	3/4	32.47	3/4		3/4	
8	1,761.46	8	1,513.54	8	1,265.62	8	1,017.70	8	769.87	8	522.26	8	274.35	8	27.74	8		8	
1/4	1,756.30	1/4	1,508.38	1/4	1,260.46	1/4	1,012.54	1/4	764.71	1/4	517.09	1/4	269.19	1/4	23.00	1/4		1/4	
1/2	1,751.13	1/2	1,503.21	1/2	1,255.29	1/2	1,007.37	1/2	759.55	1/2	511.93	1/2	264.02	1/2	19.56	1/2		1/2	
3/4	1,745.97	3/4	1,498.05	3/4	1,250.13	3/4	1,002.21	3/4	754.40	3/4	506.76	3/4	258.86	3/4	16.12	3/4		3/4	
9	1,740.80	9	1,492.88	9	1,244.96	9	997.04	9	749.25	9	501.60	9	253.69	9	12.67	9		9	
1/4	1,735.64	1/4	1,487.72	1/4	1,239.80	1/4	991.88	1/4	744.09	1/4	496.44	1/4	248.53	1/4	9.23	1/4		1/4	
1/2	1,730.47	1/2	1,482.55	1/2	1,234.63	1/2	986.71	1/2	738.94	1/2	491.27	1/2	243.36	1/2	7.51	1/2		1/2	
3/4	1,725.31	3/4	1,477.39	3/4	1,229.47	3/4	981.55	3/4	733.78	3/4	486.11	3/4	238.20	3/4	5.79	3/4		3/4	
10	1,720.14	10	1,472.22	10	1,224.30	10	976.38	10	728.63	10	480.94	10	233.04	10	4.07	10		10	
1/4	1,714.98	1/4	1,467.06	1/4	1,219.14	1/4	971.22	1/4	723.47	1/4	475.78	1/4	227.87	1/4	2.35	1/4		1/4	
1/2	1,709.81	1/2	1,461.89	1/2	1,213.97	1/2	966.05	1/2	718.32	1/2	470.61	1/2	222.71	1/2		1/2		1/2	
3/4	1,704.65	3/4	1,456.73	3/4	1,208.81	3/4	960.89	3/4	713.16	3/4	465.45	3/4	217.54	3/4		3/4		3/4	
11	1,699.48	11	1,451.56	11	1,203.64	11	955.72	11	708.01	11	460.28	11	212.38	11		11		11	
1/4	1,694.32	1/4	1,446.40	1/4	1,198.48	1/4	950.56	1/4	702.85	1/4	455.12	1/4	207.21	1/4		1/4		1/4	
1/2	1,689.15	1/2	1,441.23	1/2	1,193.31	1/2	945.39	1/2	697.70	1/2	449.95	1/2	202.05	1/2		1/2		1/2	
3/4	1,683.99	3/4	1,436.07	3/4	1,188.15	3/4	940.23	3/4	692.54	3/4	444.79	3/4	196.88	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/13/2005 CL - SW  
CALCULATED: 07/14/2005 CL  
VERIFIED: 09/21/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2023

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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