



BARGE "KIRBY 11516"

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	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4
2 CENTER	00-1/8	- 00-1/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-3/4	- 00-3/4	00-7/8	- 00-7/8	01-1/8	- 01-1/8
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 1 CENTER IS 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 162'-09"

September 22, 2023

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

<http://www.pmacorp.net>



BARGE "KIRBY 11516"

1 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 17'-10"

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	3,666.41	0	3,418.65	0	3,171.11	0	2,922.38	0	2,649.50	0	2,376.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,661.25	1/4	3,413.48	1/4	3,165.95	1/4	2,916.70	1/4	2,643.81	1/4	2,370.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,656.09	1/2	3,408.32	1/2	3,160.79	1/2	2,911.01	1/2	2,638.13	1/2	2,365.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,650.93	3/4	3,403.16	3/4	3,155.63	3/4	2,905.33	3/4	2,632.44	3/4	2,359.45
1		1		1		1		1	3,645.77	1	3,398.00	1	3,150.47	1	2,899.64	1	2,626.75	1	2,353.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,640.61	1/4	3,392.84	1/4	3,145.31	1/4	2,893.96	1/4	2,621.07	1/4	2,348.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,635.45	1/2	3,387.67	1/2	3,140.15	1/2	2,888.27	1/2	2,615.38	1/2	2,342.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,630.29	3/4	3,382.51	3/4	3,134.99	3/4	2,882.59	3/4	2,609.70	3/4	2,336.70
2		2		2		2		2	3,850.31	2	3,625.13	2	3,377.35	2	3,129.83	2	2,876.90	2	2,604.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,848.55	1/4	3,619.96	1/4	3,372.19	1/4	3,124.67	1/4	2,871.22	1/4	2,598.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,846.78	1/2	3,614.80	1/2	3,367.03	1/2	3,119.51	1/2	2,865.53	1/2	2,592.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,845.02	3/4	3,609.64	3/4	3,361.87	3/4	3,114.35	3/4	2,859.85	3/4	2,586.95
3		3		3		3		3	3,843.25	3	3,604.48	3	3,356.72	3	3,109.19	3	2,854.16	3	2,581.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,839.86	1/4	3,599.32	1/4	3,351.56	1/4	3,104.03	1/4	2,848.48	1/4	2,575.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,836.47	1/2	3,594.15	1/2	3,346.41	1/2	3,098.87	1/2	2,842.79	1/2	2,569.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,833.07	3/4	3,588.99	3/4	3,341.25	3/4	3,093.71	3/4	2,837.11	3/4	2,564.20
4		4		4		4		4	3,829.68	4	3,583.83	4	3,336.10	4	3,088.55	4	2,831.42	4	2,558.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,824.99	1/4	3,578.67	1/4	3,330.94	1/4	3,083.39	1/4	2,825.74	1/4	2,552.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,820.31	1/2	3,573.51	1/2	3,325.79	1/2	3,078.23	1/2	2,820.05	1/2	2,547.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,815.62	3/4	3,568.34	3/4	3,320.63	3/4	3,073.07	3/4	2,814.37	3/4	2,541.45
5		5		5		5		5	3,810.94	5	3,563.18	5	3,315.48	5	3,067.91	5	2,808.68	5	2,535.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,805.78	1/4	3,558.02	1/4	3,310.32	1/4	3,062.75	1/4	2,802.99	1/4	2,530.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,800.62	1/2	3,552.86	1/2	3,305.16	1/2	3,057.59	1/2	2,797.31	1/2	2,524.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,795.45	3/4	3,547.70	3/4	3,300.01	3/4	3,052.43	3/4	2,791.62	3/4	2,518.70
6		6		6		6		6	3,790.29	6	3,542.53	6	3,294.85	6	3,047.27	6	2,785.94	6	2,513.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,785.13	1/4	3,537.37	1/4	3,289.70	1/4	3,042.11	1/4	2,780.25	1/4	2,507.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,779.97	1/2	3,532.21	1/2	3,284.54	1/2	3,036.95	1/2	2,774.57	1/2	2,501.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,774.81	3/4	3,527.05	3/4	3,279.39	3/4	3,031.79	3/4	2,768.88	3/4	2,495.95
7		7		7		7		7	3,769.65	7	3,521.89	7	3,274.23	7	3,026.63	7	2,763.20	7	2,490.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,764.48	1/4	3,516.72	1/4	3,269.08	1/4	3,021.47	1/4	2,757.51	1/4	2,484.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,759.32	1/2	3,511.56	1/2	3,263.92	1/2	3,016.31	1/2	2,751.83	1/2	2,478.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,754.16	3/4	3,506.40	3/4	3,258.77	3/4	3,011.15	3/4	2,746.14	3/4	2,473.20
8		8		8		8		8	3,749.00	8	3,501.24	8	3,253.61	8	3,005.99	8	2,740.46	8	2,467.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,743.84	1/4	3,496.08	1/4	3,248.46	1/4	3,000.83	1/4	2,734.77	1/4	2,461.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,738.67	1/2	3,490.91	1/2	3,243.30	1/2	2,995.67	1/2	2,729.09	1/2	2,456.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,733.51	3/4	3,485.75	3/4	3,238.15	3/4	2,990.51	3/4	2,723.40	3/4	2,450.45
9		9		9		9		9	3,728.35	9	3,480.59	9	3,232.99	9	2,985.35	9	2,717.72	9	2,444.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,723.19	1/4	3,475.43	1/4	3,227.84	1/4	2,980.19	1/4	2,712.03	1/4	2,439.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,718.03	1/2	3,470.27	1/2	3,222.68	1/2	2,975.03	1/2	2,706.35	1/2	2,433.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,712.86	3/4	3,465.10	3/4	3,217.53	3/4	2,969.87	3/4	2,700.66	3/4	2,427.70
10		10		10		10		10	3,707.70	10	3,459.94	10	3,212.37	10	2,964.71	10	2,694.98	10	2,422.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,702.54	1/4	3,454.78	1/4	3,207.21	1/4	2,959.55	1/4	2,689.29	1/4	2,416.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,697.38	1/2	3,449.62	1/2	3,202.06	1/2	2,954.39	1/2	2,683.61	1/2	2,410.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,692.22	3/4	3,444.46	3/4	3,196.90	3/4	2,949.23	3/4	2,677.92	3/4	2,404.95
11		11		11		11		11	3,687.05	11	3,439.29	11	3,191.75	11	2,944.07	11	2,672.24	11	2,399.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,681.89	1/4	3,434.13	1/4	3,186.59	1/4	2,938.65	1/4	2,666.55	1/4	2,393.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,676.73	1/2	3,428.97	1/2	3,181.43	1/2	2,933.23	1/2	2,660.87	1/2	2,387.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,671.57	3/4	3,423.81	3/4	3,176.27	3/4	2,927.80	3/4	2,655.18	3/4	2,382.20

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'-01" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 11516"

1 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 17'-10"

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	2,104.20	0	1,831.62	0	1,558.67	0	1,285.72	0	1,012.77	0	743.16	0	471.93	0	198.48	0		0	
1/4	2,098.54	1/4	1,825.93	1/4	1,552.98	1/4	1,280.04	1/4	1,007.09	1/4	737.61	1/4	466.24	1/4	192.78	1/4		1/4	
1/2	2,092.88	1/2	1,820.24	1/2	1,547.30	1/2	1,274.35	1/2	1,001.40	1/2	732.05	1/2	460.55	1/2	187.08	1/2		1/2	
3/4	2,087.22	3/4	1,814.56	3/4	1,541.61	3/4	1,268.66	3/4	995.72	3/4	726.49	3/4	454.86	3/4	181.38	3/4		3/4	
1	2,081.55	1	1,808.87	1	1,535.92	1	1,262.98	1	990.03	1	720.93	1	449.17	1	175.68	1		1	
1/4	2,075.89	1/4	1,803.18	1/4	1,530.24	1/4	1,257.29	1/4	984.34	1/4	715.38	1/4	443.49	1/4	169.98	1/4		1/4	
1/2	2,070.23	1/2	1,797.50	1/2	1,524.55	1/2	1,251.60	1/2	978.66	1/2	709.82	1/2	437.80	1/2	164.28	1/2		1/2	
3/4	2,064.57	3/4	1,791.81	3/4	1,518.86	3/4	1,245.92	3/4	972.97	3/4	704.26	3/4	432.11	3/4	158.58	3/4		3/4	
2	2,058.91	2	1,786.13	2	1,513.18	2	1,240.23	2	967.28	2	698.70	2	426.42	2	152.87	2		2	
1/4	2,053.25	1/4	1,780.44	1/4	1,507.49	1/4	1,234.54	1/4	961.60	1/4	693.14	1/4	420.73	1/4	147.17	1/4		1/4	
1/2	2,047.59	1/2	1,774.75	1/2	1,501.81	1/2	1,228.86	1/2	955.91	1/2	687.59	1/2	415.04	1/2	141.47	1/2		1/2	
3/4	2,041.93	3/4	1,769.07	3/4	1,496.12	3/4	1,223.17	3/4	950.22	3/4	682.03	3/4	409.35	3/4	135.77	3/4		3/4	
3	2,036.27	3	1,763.38	3	1,490.43	3	1,217.49	3	944.54	3	676.47	3	403.66	3	130.07	3		3	
1/4	2,030.59	1/4	1,757.69	1/4	1,484.75	1/4	1,211.80	1/4	938.85	1/4	670.85	1/4	397.97	1/4	124.37	1/4		1/4	
1/2	2,024.92	1/2	1,752.01	1/2	1,479.06	1/2	1,206.11	1/2	933.17	1/2	665.22	1/2	392.28	1/2	118.67	1/2		1/2	
3/4	2,019.25	3/4	1,746.32	3/4	1,473.37	3/4	1,200.43	3/4	927.48	3/4	659.60	3/4	386.59	3/4	112.97	3/4		3/4	
4	2,013.58	4	1,740.63	4	1,467.69	4	1,194.74	4	921.79	4	653.98	4	380.90	4	107.27	4		4	
1/4	2,007.89	1/4	1,734.95	1/4	1,462.00	1/4	1,189.05	1/4	916.11	1/4	648.29	1/4	375.20	1/4	101.57	1/4		1/4	
1/2	2,002.21	1/2	1,729.26	1/2	1,456.31	1/2	1,183.37	1/2	910.42	1/2	642.60	1/2	369.50	1/2	95.87	1/2		1/2	
3/4	1,996.52	3/4	1,723.57	3/4	1,450.63	3/4	1,177.68	3/4	904.73	3/4	636.91	3/4	363.80	3/4	90.16	3/4		3/4	
5	1,990.84	5	1,717.89	5	1,444.94	5	1,171.99	5	899.05	5	631.22	5	358.11	5	84.46	5		5	
1/4	1,985.15	1/4	1,712.20	1/4	1,439.25	1/4	1,166.31	1/4	893.42	1/4	625.54	1/4	352.41	1/4	78.76	1/4		1/4	
1/2	1,979.46	1/2	1,706.52	1/2	1,433.57	1/2	1,160.62	1/2	887.80	1/2	619.85	1/2	346.71	1/2	73.06	1/2		1/2	
3/4	1,973.78	3/4	1,700.83	3/4	1,427.88	3/4	1,154.93	3/4	882.18	3/4	614.16	3/4	341.00	3/4	67.36	3/4		3/4	
6	1,968.09	6	1,695.14	6	1,422.20	6	1,149.25	6	876.56	6	608.47	6	335.30	6	61.66	6		6	
1/4	1,962.40	1/4	1,689.46	1/4	1,416.51	1/4	1,143.56	1/4	871.00	1/4	602.78	1/4	329.60	1/4	55.96	1/4		1/4	
1/2	1,956.72	1/2	1,683.77	1/2	1,410.82	1/2	1,137.88	1/2	865.44	1/2	597.09	1/2	323.90	1/2	50.26	1/2		1/2	
3/4	1,951.03	3/4	1,678.08	3/4	1,405.14	3/4	1,132.19	3/4	859.88	3/4	591.41	3/4	318.20	3/4	44.56	3/4		3/4	
7	1,945.34	7	1,672.40	7	1,399.45	7	1,126.50	7	854.32	7	585.72	7	312.50	7	38.86	7		7	
1/4	1,939.66	1/4	1,666.71	1/4	1,393.76	1/4	1,120.82	1/4	848.76	1/4	580.03	1/4	306.80	1/4	33.73	1/4		1/4	
1/2	1,933.97	1/2	1,661.02	1/2	1,388.08	1/2	1,115.13	1/2	843.20	1/2	574.34	1/2	301.10	1/2	28.61	1/2		1/2	
3/4	1,928.29	3/4	1,655.34	3/4	1,382.39	3/4	1,109.44	3/4	837.65	3/4	568.65	3/4	295.40	3/4	23.49	3/4		3/4	
8	1,922.60	8	1,649.65	8	1,376.70	8	1,103.76	8	832.09	8	562.96	8	289.70	8	18.36	8		8	
1/4	1,916.91	1/4	1,643.97	1/4	1,371.02	1/4	1,098.07	1/4	826.53	1/4	557.27	1/4	284.00	1/4	14.97	1/4		1/4	
1/2	1,911.23	1/2	1,638.28	1/2	1,365.33	1/2	1,092.38	1/2	820.97	1/2	551.58	1/2	278.29	1/2	11.58	1/2		1/2	
3/4	1,905.54	3/4	1,632.59	3/4	1,359.65	3/4	1,086.70	3/4	815.41	3/4	545.89	3/4	272.59	3/4	8.19	3/4		3/4	
9	1,899.85	9	1,626.91	9	1,353.96	9	1,081.01	9	809.86	9	540.20	9	266.89	9	4.80	9		9	
1/4	1,894.17	1/4	1,621.22	1/4	1,348.27	1/4	1,075.33	1/4	804.30	1/4	534.51	1/4	261.19	1/4	3.72	1/4		1/4	
1/2	1,888.48	1/2	1,615.53	1/2	1,342.59	1/2	1,069.64	1/2	798.74	1/2	528.82	1/2	255.49	1/2	2.64	1/2		1/2	
3/4	1,882.79	3/4	1,609.85	3/4	1,336.90	3/4	1,063.95	3/4	793.18	3/4	523.14	3/4	249.79	3/4	1.56	3/4		3/4	
10	1,877.11	10	1,604.16	10	1,331.21	10	1,058.27	10	787.63	10	517.45	10	244.09	10	0.48	10		10	
1/4	1,871.42	1/4	1,598.47	1/4	1,325.53	1/4	1,052.58	1/4	782.07	1/4	511.76	1/4	238.39	1/4		1/4		1/4	
1/2	1,865.73	1/2	1,592.79	1/2	1,319.84	1/2	1,046.89	1/2	776.51	1/2	506.07	1/2	232.69	1/2		1/2		1/2	
3/4	1,860.05	3/4	1,587.10	3/4	1,314.15	3/4	1,041.21	3/4	770.95	3/4	500.38	3/4	226.99	3/4		3/4		3/4	
11	1,854.36	11	1,581.41	11	1,308.47	11	1,035.52	11	765.39	11	494.69	11	221.29	11		11		11	
1/4	1,848.68	1/4	1,575.73	1/4	1,302.78	1/4	1,029.83	1/4	759.84	1/4	489.00	1/4	215.58	1/4		1/4		1/4	
1/2	1,842.99	1/2	1,570.04	1/2	1,297.09	1/2	1,024.15	1/2	754.28	1/2	483.31	1/2	209.88	1/2		1/2		1/2	
3/4	1,837.30	3/4	1,564.36	3/4	1,291.41	3/4	1,018.46	3/4	748.72	3/4	477.62	3/4	204.18	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 11516"

2 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 17'-09 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		0	3,409.48	0	3,160.36	0	2,911.24	0	2,662.12	0	2,413.00	0	2,163.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,404.29	1/4	3,155.17	1/4	2,906.05	1/4	2,656.93	1/4	2,407.81	1/4	2,158.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,399.10	1/2	3,149.98	1/2	2,900.86	1/2	2,651.74	1/2	2,402.62	1/2	2,153.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,393.91	3/4	3,144.79	3/4	2,895.67	3/4	2,646.55	3/4	2,397.43	3/4	2,148.31
1		1		1		1		1	3,388.72	1	3,139.60	1	2,890.48	1	2,641.36	1	2,392.24	1	2,143.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,383.53	1/4	3,134.41	1/4	2,885.29	1/4	2,636.17	1/4	2,387.05	1/4	2,137.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,604.96	1/2	3,378.34	1/2	3,129.22	1/2	2,880.10	1/2	2,630.98	1/2	2,381.86
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,603.23	3/4	3,373.15	3/4	3,124.03	3/4	2,874.91	3/4	2,625.79	3/4	2,376.55
2		2		2		2		2	3,601.50	2	3,367.96	2	3,118.84	2	2,869.72	2	2,620.60	2	2,371.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,599.77	1/4	3,362.77	1/4	3,113.65	1/4	2,864.53	1/4	2,615.41	1/4	2,366.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,598.04	1/2	3,357.58	1/2	3,108.46	1/2	2,859.34	1/2	2,610.22	1/2	2,361.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,594.58	3/4	3,352.39	3/4	3,103.27	3/4	2,854.15	3/4	2,605.03	3/4	2,355.91
3		3		3		3		3	3,591.12	3	3,347.20	3	3,098.08	3	2,848.96	3	2,599.84	3	2,350.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,587.65	1/4	3,342.01	1/4	3,092.89	1/4	2,843.77	1/4	2,594.65	1/4	2,345.53
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,584.19	1/2	3,336.82	1/2	3,087.70	1/2	2,838.58	1/2	2,589.46	1/2	2,340.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,579.44	3/4	3,331.63	3/4	3,082.51	3/4	2,833.39	3/4	2,584.27	3/4	2,335.15
4		4		4		4		4	3,574.68	4	3,326.44	4	3,077.32	4	2,828.20	4	2,579.08	4	2,329.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,569.93	1/4	3,321.25	1/4	3,072.13	1/4	2,823.01	1/4	2,573.89	1/4	2,324.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,565.18	1/2	3,316.06	1/2	3,066.94	1/2	2,817.82	1/2	2,568.70	1/2	2,319.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,559.99	3/4	3,310.87	3/4	3,061.75	3/4	2,812.63	3/4	2,563.51	3/4	2,314.39
5		5		5		5		5	3,554.80	5	3,305.68	5	3,056.56	5	2,807.44	5	2,558.32	5	2,309.20
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,549.61	1/4	3,300.49	1/4	3,051.37	1/4	2,802.25	1/4	2,553.13	1/4	2,304.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,544.42	1/2	3,295.30	1/2	3,046.18	1/2	2,797.06	1/2	2,547.94	1/2	2,298.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,539.23	3/4	3,290.11	3/4	3,040.99	3/4	2,791.87	3/4	2,542.75	3/4	2,293.63
6		6		6		6		6	3,534.04	6	3,284.92	6	3,035.80	6	2,786.68	6	2,537.56	6	2,288.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,528.85	1/4	3,279.73	1/4	3,030.61	1/4	2,781.49	1/4	2,532.37	1/4	2,283.25
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,523.66	1/2	3,274.54	1/2	3,025.42	1/2	2,776.30	1/2	2,527.18	1/2	2,278.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,518.47	3/4	3,269.35	3/4	3,020.23	3/4	2,771.11	3/4	2,521.99	3/4	2,272.87
7		7		7		7		7	3,513.28	7	3,264.16	7	3,015.04	7	2,765.92	7	2,516.80	7	2,267.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,508.09	1/4	3,258.97	1/4	3,009.85	1/4	2,760.73	1/4	2,511.61	1/4	2,262.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,502.90	1/2	3,253.78	1/2	3,004.66	1/2	2,755.54	1/2	2,506.42	1/2	2,257.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,497.71	3/4	3,248.59	3/4	2,999.47	3/4	2,750.35	3/4	2,501.23	3/4	2,252.11
8		8		8		8		8	3,492.52	8	3,243.40	8	2,994.28	8	2,745.16	8	2,496.04	8	2,246.92
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,487.33	1/4	3,238.21	1/4	2,989.09	1/4	2,739.97	1/4	2,490.85	1/4	2,241.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,482.14	1/2	3,233.02	1/2	2,983.90	1/2	2,734.78	1/2	2,485.66	1/2	2,236.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,476.95	3/4	3,227.83	3/4	2,978.71	3/4	2,729.59	3/4	2,480.47	3/4	2,231.35
9		9		9		9		9	3,471.76	9	3,222.64	9	2,973.52	9	2,724.40	9	2,475.28	9	2,226.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,466.57	1/4	3,217.45	1/4	2,968.33	1/4	2,719.21	1/4	2,470.09	1/4	2,220.97
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,461.38	1/2	3,212.26	1/2	2,963.14	1/2	2,714.02	1/2	2,464.90	1/2	2,215.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,456.19	3/4	3,207.07	3/4	2,957.95	3/4	2,708.83	3/4	2,459.71	3/4	2,210.59
10		10		10		10		10	3,451.00	10	3,201.88	10	2,952.76	10	2,703.64	10	2,454.52	10	2,205.40
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,445.81	1/4	3,196.69	1/4	2,947.57	1/4	2,698.45	1/4	2,449.33	1/4	2,200.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,440.62	1/2	3,191.50	1/2	2,942.38	1/2	2,693.26	1/2	2,444.14	1/2	2,195.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,435.43	3/4	3,186.31	3/4	2,937.19	3/4	2,688.07	3/4	2,438.95	3/4	2,189.83
11		11		11		11		11	3,430.24	11	3,181.12	11	2,932.00	11	2,682.88	11	2,433.76	11	2,184.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,425.05	1/4	3,175.93	1/4	2,926.81	1/4	2,677.69	1/4	2,428.57	1/4	2,179.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,419.86	1/2	3,170.74	1/2	2,921.62	1/2	2,672.50	1/2	2,423.38	1/2	2,174.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,414.67	3/4	3,165.55	3/4	2,916.43	3/4	2,667.31	3/4	2,418.19	3/4	2,169.07

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'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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





BARGE "KIRBY 11516"

2 CENTER ULLAGE TABLE

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

GAUGE HEIGHT 17'-09 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	1,914.76	0	1,665.64	0	1,416.52	0	1,167.40	0	918.28	0	673.41	0	426.16	0	177.06	0		0	
1/4	1,909.57	1/4	1,660.45	1/4	1,411.33	1/4	1,162.21	1/4	913.09	1/4	668.38	1/4	420.97	1/4	171.87	1/4		1/4	
1/2	1,904.38	1/2	1,655.26	1/2	1,406.14	1/2	1,157.02	1/2	907.90	1/2	663.34	1/2	415.78	1/2	166.68	1/2		1/2	
3/4	1,899.19	3/4	1,650.07	3/4	1,400.95	3/4	1,151.83	3/4	902.71	3/4	658.30	3/4	410.59	3/4	161.49	3/4		3/4	
1	1,894.00	1	1,644.88	1	1,395.76	1	1,146.64	1	897.52	1	653.26	1	405.40	1	156.30	1		1	
1/4	1,888.81	1/4	1,639.69	1/4	1,390.57	1/4	1,141.45	1/4	892.33	1/4	648.23	1/4	400.21	1/4	151.11	1/4		1/4	
1/2	1,883.62	1/2	1,634.50	1/2	1,385.38	1/2	1,136.26	1/2	887.14	1/2	643.19	1/2	395.02	1/2	145.92	1/2		1/2	
3/4	1,878.43	3/4	1,629.31	3/4	1,380.19	3/4	1,131.07	3/4	881.95	3/4	638.15	3/4	389.83	3/4	140.73	3/4		3/4	
2	1,873.24	2	1,624.12	2	1,375.00	2	1,125.88	2	876.76	2	633.11	2	384.64	2	135.54	2		2	
1/4	1,868.05	1/4	1,618.93	1/4	1,369.81	1/4	1,120.69	1/4	871.57	1/4	628.08	1/4	379.45	1/4	130.36	1/4		1/4	
1/2	1,862.86	1/2	1,613.74	1/2	1,364.62	1/2	1,115.50	1/2	866.38	1/2	623.04	1/2	374.26	1/2	125.17	1/2		1/2	
3/4	1,857.67	3/4	1,608.55	3/4	1,359.43	3/4	1,110.31	3/4	861.19	3/4	617.93	3/4	369.07	3/4	119.98	3/4		3/4	
3	1,852.48	3	1,603.36	3	1,354.24	3	1,105.12	3	856.00	3	612.81	3	363.88	3	114.79	3		3	
1/4	1,847.29	1/4	1,598.17	1/4	1,349.05	1/4	1,099.93	1/4	850.81	1/4	607.70	1/4	358.69	1/4	109.60	1/4		1/4	
1/2	1,842.10	1/2	1,592.98	1/2	1,343.86	1/2	1,094.74	1/2	845.62	1/2	602.59	1/2	353.50	1/2	104.41	1/2		1/2	
3/4	1,836.91	3/4	1,587.79	3/4	1,338.67	3/4	1,089.55	3/4	840.43	3/4	597.40	3/4	348.31	3/4	99.22	3/4		3/4	
4	1,831.72	4	1,582.60	4	1,333.48	4	1,084.36	4	835.24	4	592.21	4	343.12	4	94.03	4		4	
1/4	1,826.53	1/4	1,577.41	1/4	1,328.29	1/4	1,079.17	1/4	830.05	1/4	587.02	1/4	337.94	1/4	88.84	1/4		1/4	
1/2	1,821.34	1/2	1,572.22	1/2	1,323.10	1/2	1,073.98	1/2	824.86	1/2	581.83	1/2	332.75	1/2	83.65	1/2		1/2	
3/4	1,816.15	3/4	1,567.03	3/4	1,317.91	3/4	1,068.79	3/4	819.74	3/4	576.64	3/4	327.56	3/4	78.46	3/4		3/4	
5	1,810.96	5	1,561.84	5	1,312.72	5	1,063.60	5	814.63	5	571.46	5	322.37	5	73.27	5		5	
1/4	1,805.77	1/4	1,556.65	1/4	1,307.53	1/4	1,058.41	1/4	809.51	1/4	566.27	1/4	317.18	1/4	68.08	1/4		1/4	
1/2	1,800.58	1/2	1,551.46	1/2	1,302.34	1/2	1,053.22	1/2	804.40	1/2	561.08	1/2	311.99	1/2	62.89	1/2		1/2	
3/4	1,795.39	3/4	1,546.27	3/4	1,297.15	3/4	1,048.03	3/4	799.36	3/4	555.89	3/4	306.80	3/4	57.70	3/4		3/4	
6	1,790.20	6	1,541.08	6	1,291.96	6	1,042.84	6	794.32	6	550.70	6	301.61	6	52.51	6		6	
1/4	1,785.01	1/4	1,535.89	1/4	1,286.77	1/4	1,037.65	1/4	789.28	1/4	545.51	1/4	296.42	1/4	47.32	1/4		1/4	
1/2	1,779.82	1/2	1,530.70	1/2	1,281.58	1/2	1,032.46	1/2	784.24	1/2	540.33	1/2	291.23	1/2	42.13	1/2		1/2	
3/4	1,774.63	3/4	1,525.51	3/4	1,276.39	3/4	1,027.27	3/4	779.20	3/4	535.14	3/4	286.04	3/4	37.38	3/4		3/4	
7	1,769.44	7	1,520.32	7	1,271.20	7	1,022.08	7	774.17	7	529.95	7	280.85	7	32.62	7		7	
1/4	1,764.25	1/4	1,515.13	1/4	1,266.01	1/4	1,016.89	1/4	769.13	1/4	524.76	1/4	275.66	1/4	27.86	1/4		1/4	
1/2	1,759.06	1/2	1,509.94	1/2	1,260.82	1/2	1,011.70	1/2	764.09	1/2	519.57	1/2	270.47	1/2	23.11	1/2		1/2	
3/4	1,753.87	3/4	1,504.75	3/4	1,255.63	3/4	1,006.51	3/4	759.05	3/4	514.38	3/4	265.28	3/4	19.65	3/4		3/4	
8	1,748.68	8	1,499.56	8	1,250.44	8	1,001.32	8	754.01	8	509.19	8	260.09	8	16.19	8		8	
1/4	1,743.49	1/4	1,494.37	1/4	1,245.25	1/4	996.13	1/4	748.98	1/4	504.00	1/4	254.90	1/4	12.73	1/4		1/4	
1/2	1,738.30	1/2	1,489.18	1/2	1,240.06	1/2	990.94	1/2	743.94	1/2	498.81	1/2	249.71	1/2	9.27	1/2		1/2	
3/4	1,733.11	3/4	1,483.99	3/4	1,234.87	3/4	985.75	3/4	738.90	3/4	493.62	3/4	244.52	3/4	7.54	3/4		3/4	
9	1,727.92	9	1,478.80	9	1,229.68	9	980.56	9	733.86	9	488.43	9	239.33	9	5.81	9		9	
1/4	1,722.73	1/4	1,473.61	1/4	1,224.49	1/4	975.37	1/4	728.83	1/4	483.24	1/4	234.15	1/4	4.08	1/4		1/4	
1/2	1,717.54	1/2	1,468.42	1/2	1,219.30	1/2	970.18	1/2	723.79	1/2	478.05	1/2	228.96	1/2	2.35	1/2		1/2	
3/4	1,712.35	3/4	1,463.23	3/4	1,214.11	3/4	964.99	3/4	718.75	3/4	472.86	3/4	223.77	3/4		3/4		3/4	
10	1,707.16	10	1,458.04	10	1,208.92	10	959.80	10	713.71	10	467.67	10	218.58	10		10		10	
1/4	1,701.97	1/4	1,452.85	1/4	1,203.73	1/4	954.61	1/4	708.68	1/4	462.48	1/4	213.39	1/4		1/4		1/4	
1/2	1,696.78	1/2	1,447.66	1/2	1,198.54	1/2	949.42	1/2	703.64	1/2	457.29	1/2	208.20	1/2		1/2		1/2	
3/4	1,691.59	3/4	1,442.47	3/4	1,193.35	3/4	944.23	3/4	698.60	3/4	452.10	3/4	203.01	3/4		3/4		3/4	
11	1,686.40	11	1,437.28	11	1,188.16	11	939.04	11	693.56	11	446.91	11	197.82	11		11		11	
1/4	1,681.21	1/4	1,432.09	1/4	1,182.97	1/4	933.85	1/4	688.53	1/4	441.73	1/4	192.63	1/4		1/4		1/4	
1/2	1,676.02	1/2	1,426.90	1/2	1,177.78	1/2	928.66	1/2	683.49	1/2	436.54	1/2	187.44	1/2		1/2		1/2	
3/4	1,670.83	3/4	1,421.71	3/4	1,172.59	3/4	923.47	3/4	678.45	3/4	431.35	3/4	182.25	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 11516"

3 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	3,403.93	0	3,156.01	0	2,908.09	0	2,660.17	0	2,412.25	0	2,164.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,398.77	1/4	3,150.85	1/4	2,902.93	1/4	2,655.01	1/4	2,407.09	1/4	2,159.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,393.60	1/2	3,145.68	1/2	2,897.76	1/2	2,649.84	1/2	2,401.92	1/2	2,154.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,388.44	3/4	3,140.52	3/4	2,892.60	3/4	2,644.68	3/4	2,396.76	3/4	2,148.84
1		1		1		1		1	3,383.27	1	3,135.35	1	2,887.43	1	2,639.51	1	2,391.59	1	2,143.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,378.11	1/4	3,130.19	1/4	2,882.27	1/4	2,634.35	1/4	2,386.43	1/4	2,138.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,372.94	1/2	3,125.02	1/2	2,877.10	1/2	2,629.18	1/2	2,381.26	1/2	2,133.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,593.32	3/4	3,367.78	3/4	3,119.86	3/4	2,871.94	3/4	2,624.02	3/4	2,128.18
2		2		2		2		2	3,591.60	2	3,362.61	2	3,114.69	2	2,866.77	2	2,618.85	2	2,370.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,589.88	1/4	3,357.45	1/4	3,109.53	1/4	2,861.61	1/4	2,613.69	1/4	2,365.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,588.16	1/2	3,352.28	1/2	3,104.36	1/2	2,856.44	1/2	2,608.52	1/2	2,360.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,586.44	3/4	3,347.12	3/4	3,099.20	3/4	2,851.28	3/4	2,603.36	3/4	2,355.44
3		3		3		3		3	3,583.00	3	3,341.95	3	3,094.03	3	2,846.11	3	2,598.19	3	2,350.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,579.55	1/4	3,336.79	1/4	3,088.87	1/4	2,840.95	1/4	2,593.03	1/4	2,345.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,576.11	1/2	3,331.62	1/2	3,083.70	1/2	2,835.78	1/2	2,587.86	1/2	2,339.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,572.67	3/4	3,326.46	3/4	3,078.54	3/4	2,830.62	3/4	2,582.70	3/4	2,334.78
4		4		4		4		4	3,567.93	4	3,321.29	4	3,073.37	4	2,825.45	4	2,577.53	4	2,329.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,563.20	1/4	3,316.13	1/4	3,068.21	1/4	2,820.29	1/4	2,572.37	1/4	2,324.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,558.46	1/2	3,310.96	1/2	3,063.04	1/2	2,815.12	1/2	2,567.20	1/2	2,319.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,553.72	3/4	3,305.80	3/4	3,057.88	3/4	2,809.96	3/4	2,562.04	3/4	2,314.12
5		5		5		5		5	3,548.55	5	3,300.63	5	3,052.71	5	2,804.79	5	2,556.87	5	2,308.95
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,543.39	1/4	3,295.47	1/4	3,047.55	1/4	2,799.63	1/4	2,551.71	1/4	2,303.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,538.22	1/2	3,290.30	1/2	3,042.38	1/2	2,794.46	1/2	2,546.54	1/2	2,298.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,533.06	3/4	3,285.14	3/4	3,037.22	3/4	2,789.30	3/4	2,541.38	3/4	2,293.46
6		6		6		6		6	3,527.89	6	3,279.97	6	3,032.05	6	2,784.13	6	2,536.21	6	2,288.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,522.73	1/4	3,274.81	1/4	3,026.89	1/4	2,778.97	1/4	2,531.05	1/4	2,283.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,517.56	1/2	3,269.64	1/2	3,021.72	1/2	2,773.80	1/2	2,525.88	1/2	2,277.96
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,512.40	3/4	3,264.48	3/4	3,016.56	3/4	2,768.64	3/4	2,520.72	3/4	2,272.80
7		7		7		7		7	3,507.23	7	3,259.31	7	3,011.39	7	2,763.47	7	2,515.55	7	2,267.63
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,502.07	1/4	3,254.15	1/4	3,006.23	1/4	2,758.31	1/4	2,510.39	1/4	2,262.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,496.90	1/2	3,248.98	1/2	3,001.06	1/2	2,753.14	1/2	2,505.22	1/2	2,257.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,491.74	3/4	3,243.82	3/4	2,995.90	3/4	2,747.98	3/4	2,500.06	3/4	2,252.14
8		8		8		8		8	3,486.57	8	3,238.65	8	2,990.73	8	2,742.81	8	2,494.89	8	2,246.97
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,481.41	1/4	3,233.49	1/4	2,985.57	1/4	2,737.65	1/4	2,489.73	1/4	2,241.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,476.24	1/2	3,228.32	1/2	2,980.40	1/2	2,732.48	1/2	2,484.56	1/2	2,236.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,471.08	3/4	3,223.16	3/4	2,975.24	3/4	2,727.32	3/4	2,479.40	3/4	2,231.48
9		9		9		9		9	3,465.91	9	3,217.99	9	2,970.07	9	2,722.15	9	2,474.23	9	2,226.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,460.75	1/4	3,212.83	1/4	2,964.91	1/4	2,716.99	1/4	2,469.07	1/4	2,221.15
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,455.58	1/2	3,207.66	1/2	2,959.74	1/2	2,711.82	1/2	2,463.90	1/2	2,215.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,450.42	3/4	3,202.50	3/4	2,954.58	3/4	2,706.66	3/4	2,458.74	3/4	2,210.82
10		10		10		10		10	3,445.25	10	3,197.33	10	2,949.41	10	2,701.49	10	2,453.57	10	2,205.65
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,440.09	1/4	3,192.17	1/4	2,944.25	1/4	2,696.33	1/4	2,448.41	1/4	2,200.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,434.92	1/2	3,187.00	1/2	2,939.08	1/2	2,691.16	1/2	2,443.24	1/2	2,195.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,429.76	3/4	3,181.84	3/4	2,933.92	3/4	2,686.00	3/4	2,438.08	3/4	2,190.16
11		11		11		11		11	3,424.59	11	3,176.67	11	2,928.75	11	2,680.83	11	2,432.91	11	2,184.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,419.43	1/4	3,171.51	1/4	2,923.59	1/4	2,675.67	1/4	2,427.75	1/4	2,179.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,414.26	1/2	3,166.34	1/2	2,918.42	1/2	2,670.50	1/2	2,422.58	1/2	2,174.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,409.10	3/4	3,161.18	3/4	2,913.26	3/4	2,665.34	3/4	2,417.42	3/4	2,169.50

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 11516"

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

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