



BARGE "KIRBY 29061"

ULLAGE TRIM TABLE
HERMETIC

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 235'-06"

October 11, 2016

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29061"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	0	0	4,388.60	0	4,089.94	0	3,771.01	0	3,432.44	0	3,090.70	0	2,748.96	0	2,407.22		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,382.33	1/4	4,083.50	1/4	3,764.12	1/4	3,425.33	1/4	3,083.58	1/4	2,741.84	1/4	2,400.10		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,376.05	1/2	4,077.06	1/2	3,757.24	1/2	3,418.21	1/2	3,076.46	1/2	2,734.72	1/2	2,392.98		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,369.78	3/4	4,070.62	3/4	3,750.35	3/4	3,411.09	3/4	3,069.35	3/4	2,727.60	3/4	2,385.86		
1	1	1	1	1	1	1	4,363.51	1	4,064.18	1	3,743.47	1	3,403.97	1	3,062.23	1	2,720.48	1	2,378.74		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,357.48	1/4	4,057.70	1/4	3,736.55	1/4	3,396.85	1/4	3,055.11	1/4	2,713.37	1/4	2,371.62		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,351.46	1/2	4,051.23	1/2	3,729.62	1/2	3,389.73	1/2	3,047.99	1/2	2,706.25	1/2	2,364.50		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,345.43	3/4	4,044.75	3/4	3,722.70	3/4	3,382.61	3/4	3,040.87	3/4	2,699.13	3/4	2,357.39		
2	2	2	2	2	2	2	4,339.40	2	4,038.27	2	3,715.78	2	3,375.49	2	3,033.75	2	2,692.01	2	2,350.27		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,333.34	1/4	4,031.75	1/4	3,708.82	1/4	3,368.37	1/4	3,026.63	1/4	2,684.89	1/4	2,343.15		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,327.28	1/2	4,025.24	1/2	3,701.86	1/2	3,361.25	1/2	3,019.51	1/2	2,677.77	1/2	2,336.03		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,321.21	3/4	4,018.72	3/4	3,694.90	3/4	3,354.13	3/4	3,012.39	3/4	2,670.65	3/4	2,328.91		
3	3	3	3	3	3	3	4,315.15	3	4,012.21	3	3,687.94	3	3,347.01	3	3,005.27	3	2,663.53	3	2,321.79		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,309.04	1/4	4,005.66	1/4	3,680.93	1/4	3,339.89	1/4	2,998.15	1/4	2,656.41	1/4	2,314.67		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,302.94	1/2	3,999.11	1/2	3,673.92	1/2	3,332.77	1/2	2,991.03	1/2	2,649.29	1/2	2,307.55		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,296.83	3/4	3,992.55	3/4	3,666.91	3/4	3,325.65	3/4	2,983.91	3/4	2,642.17	3/4	2,300.43		
4	4	4	4	4	4	4	4,290.72	4	3,986.00	4	3,659.89	4	3,318.53	4	2,976.79	4	2,635.05	4	2,293.31		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,284.58	1/4	3,979.41	1/4	3,652.84	1/4	3,311.41	1/4	2,969.67	1/4	2,627.93	1/4	2,286.19		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,278.43	1/2	3,972.82	1/2	3,645.78	1/2	3,304.29	1/2	2,962.55	1/2	2,620.81	1/2	2,279.07		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,272.29	3/4	3,966.24	3/4	3,638.73	3/4	3,297.17	3/4	2,955.43	3/4	2,613.69	3/4	2,271.95		
5	5	5	5	5	5	5	4,266.14	5	3,959.65	5	3,631.67	5	3,290.05	5	2,948.31	5	2,606.57	5	2,264.83		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,259.96	1/4	3,953.02	1/4	3,624.58	1/4	3,282.93	1/4	2,941.19	1/4	2,599.45	1/4	2,257.71		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,253.78	1/2	3,946.39	1/2	3,617.49	1/2	3,275.81	1/2	2,934.07	1/2	2,592.33	1/2	2,250.59		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,247.60	3/4	3,939.77	3/4	3,610.40	3/4	3,268.69	3/4	2,926.95	3/4	2,585.21	3/4	2,243.47		
6	6	6	6	6	6	6	4,241.42	6	3,933.14	6	3,603.31	6	3,261.57	6	2,919.83	6	2,578.09	6	2,236.35		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,235.20	1/4	3,926.48	1/4	3,596.19	1/4	3,254.45	1/4	2,912.71	1/4	2,570.97	1/4	2,229.23		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,228.98	1/2	3,919.82	1/2	3,589.07	1/2	3,247.34	1/2	2,905.59	1/2	2,563.85	1/2	2,222.11		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,222.76	3/4	3,913.15	3/4	3,581.95	3/4	3,240.22	3/4	2,898.47	3/4	2,556.73	3/4	2,214.99		
7	7	7	7	7	7	7	4,527.91	7	4,216.54	7	3,906.49	7	3,574.84	7	3,233.10	7	2,891.36	7	2,549.61	7	2,207.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,518.00	1/4	4,210.29	1/4	3,899.79	1/4	3,567.72	1/4	3,225.98	1/4	2,884.24	1/4	2,542.49	1/4	2,200.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,512.33	1/2	4,204.03	1/2	3,893.09	1/2	3,560.60	1/2	3,218.86	1/2	2,877.12	1/2	2,535.38	1/2	2,193.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,506.66	3/4	4,197.77	3/4	3,886.39	3/4	3,553.48	3/4	3,211.74	3/4	2,870.00	3/4	2,528.26	3/4	2,186.51
8	8	8	8	8	8	8	4,500.99	8	4,191.52	8	3,879.69	8	3,546.36	8	3,204.62	8	2,862.88	8	2,521.14	8	2,179.40
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,494.17	1/4	4,185.23	1/4	3,872.95	1/4	3,539.24	1/4	3,197.50	1/4	2,855.76	1/4	2,514.02	1/4	2,172.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,487.34	1/2	4,178.93	1/2	3,866.22	1/2	3,532.12	1/2	3,190.38	1/2	2,848.64	1/2	2,506.90	1/2	2,165.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,480.52	3/4	4,172.64	3/4	3,859.48	3/4	3,525.00	3/4	3,183.26	3/4	2,841.52	3/4	2,499.78	3/4	2,158.04
9	9	9	9	9	9	9	4,473.69	9	4,166.35	9	3,852.74	9	3,517.88	9	3,176.14	9	2,834.40	9	2,492.66	9	2,150.92
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,466.60	1/4	4,160.02	1/4	3,845.97	1/4	3,510.76	1/4	3,169.02	1/4	2,827.28	1/4	2,485.54	1/4	2,143.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,459.51	1/2	4,153.69	1/2	3,839.19	1/2	3,503.64	1/2	3,161.90	1/2	2,820.16	1/2	2,478.42	1/2	2,136.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,452.42	3/4	4,147.36	3/4	3,832.42	3/4	3,496.52	3/4	3,154.78	3/4	2,813.04	3/4	2,471.30	3/4	2,129.56
10	10	10	10	10	10	10	4,445.33	10	4,141.03	10	3,825.65	10	3,489.40	10	3,147.66	10	2,805.92	10	2,464.18	10	2,122.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,438.24	1/4	4,134.66	1/4	3,818.83	1/4	3,482.28	1/4	3,140.54	1/4	2,798.80	1/4	2,457.06	1/4	2,115.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,431.15	1/2	4,128.29	1/2	3,812.02	1/2	3,475.16	1/2	3,133.42	1/2	2,791.68	1/2	2,449.94	1/2	2,108.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,424.05	3/4	4,121.93	3/4	3,805.21	3/4	3,468.04	3/4	3,126.30	3/4	2,784.56	3/4	2,442.82	3/4	2,101.08
11	11	11	11	11	11	11	4,416.96	11	4,115.56	11	3,798.40	11	3,460.92	11	3,119.18	11	2,777.44	11	2,435.70	11	2,093.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,409.87	1/4	4,109.16	1/4	3,791.55	1/4	3,453.80	1/4	3,112.06	1/4	2,770.32	1/4	2,428.58	1/4	2,086.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,402.78	1/2	4,102.75	1/2	3,784.70	1/2	3,446.68	1/2	3,104.94	1/2	2,763.20	1/2	2,421.46	1/2	2,079.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,395.69	3/4	4,096.35	3/4	3,777.86	3/4	3,439.56	3/4	3,097.82	3/4	2,756.08	3/4	2,414.34	3/4	2,072.60

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 37'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
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BARGE "KIRBY 29061"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,065.48	0	1,723.74	0	1,382.00	0	1,040.34	0	701.17	0	384.34	0	99.77	0		0			
1/4	2,058.36	1/4	1,716.62	1/4	1,374.88	1/4	1,033.24	1/4	694.27	1/4	378.11	1/4	94.21	1/4		1/4			
1/2	2,051.24	1/2	1,709.50	1/2	1,367.76	1/2	1,026.15	1/2	687.36	1/2	371.88	1/2	88.64	1/2		1/2			
3/4	2,044.12	3/4	1,702.38	3/4	1,360.64	3/4	1,019.06	3/4	680.45	3/4	365.64	3/4	83.07	3/4		3/4			
1	2,037.00	1	1,695.26	1	1,353.52	1	1,011.96	1	673.54	1	359.41	1	77.51	1		1			
1/4	2,029.88	1/4	1,688.14	1/4	1,346.40	1/4	1,004.88	1/4	666.68	1/4	353.23	1/4	72.00	1/4		1/4			
1/2	2,022.76	1/2	1,681.02	1/2	1,339.28	1/2	997.79	1/2	659.83	1/2	347.05	1/2	66.49	1/2		1/2			
3/4	2,015.64	3/4	1,673.90	3/4	1,332.16	3/4	990.70	3/4	652.98	3/4	340.87	3/4	60.98	3/4		3/4			
2	2,008.52	2	1,666.78	2	1,325.04	2	983.61	2	646.12	2	334.69	2	55.47	2		2			
1/4	2,001.41	1/4	1,659.66	1/4	1,317.92	1/4	976.52	1/4	639.32	1/4	328.57	1/4	50.02	1/4		1/4			
1/2	1,994.29	1/2	1,652.54	1/2	1,310.80	1/2	969.43	1/2	632.53	1/2	322.45	1/2	44.56	1/2		1/2			
3/4	1,987.17	3/4	1,645.43	3/4	1,303.68	3/4	962.34	3/4	625.73	3/4	316.33	3/4	39.11	3/4		3/4			
3	1,980.05	3	1,638.31	3	1,296.56	3	955.26	3	618.93	3	310.20	3	33.65	3		3			
1/4	1,972.93	1/4	1,631.19	1/4	1,289.45	1/4	948.17	1/4	612.19	1/4	304.14	1/4	28.92	1/4		1/4			
1/2	1,965.81	1/2	1,624.07	1/2	1,282.33	1/2	941.08	1/2	605.45	1/2	298.07	1/2	24.19	1/2		1/2			
3/4	1,958.69	3/4	1,616.95	3/4	1,275.21	3/4	933.99	3/4	598.71	3/4	292.00	3/4	19.46	3/4		3/4			
4	1,951.57	4	1,609.83	4	1,268.09	4	926.90	4	591.96	4	285.94	4	14.73	4		4			
1/4	1,944.45	1/4	1,602.71	1/4	1,260.97	1/4	919.82	1/4	585.28	1/4	279.93	1/4	11.61	1/4		1/4			
1/2	1,937.33	1/2	1,595.59	1/2	1,253.85	1/2	912.73	1/2	578.59	1/2	273.91	1/2	8.50	1/2		1/2			
3/4	1,930.21	3/4	1,588.47	3/4	1,246.73	3/4	905.64	3/4	571.91	3/4	267.90	3/4	5.38	3/4		3/4			
5	1,923.09	5	1,581.35	5	1,239.61	5	898.55	5	565.22	5	261.89	5	2.26	5		5			
1/4	1,915.97	1/4	1,574.23	1/4	1,232.49	1/4	891.47	1/4	558.59	1/4	255.93	1/4		1/4		1/4			
1/2	1,908.85	1/2	1,567.11	1/2	1,225.37	1/2	884.38	1/2	551.96	1/2	249.97	1/2		1/2		1/2			
3/4	1,901.73	3/4	1,559.99	3/4	1,218.25	3/4	877.29	3/4	545.33	3/4	244.01	3/4		3/4		3/4			
6	1,894.61	6	1,552.87	6	1,211.13	6	870.20	6	538.70	6	238.06	6		6		6			
1/4	1,887.49	1/4	1,545.75	1/4	1,204.01	1/4	863.11	1/4	532.13	1/4	232.15	1/4		1/4		1/4			
1/2	1,880.37	1/2	1,538.63	1/2	1,196.89	1/2	856.03	1/2	525.56	1/2	226.25	1/2		1/2		1/2			
3/4	1,873.25	3/4	1,531.51	3/4	1,189.77	3/4	848.94	3/4	518.98	3/4	220.35	3/4		3/4		3/4			
7	1,866.13	7	1,524.39	7	1,182.65	7	841.85	7	512.41	7	214.45	7		7		7			
1/4	1,859.01	1/4	1,517.27	1/4	1,175.53	1/4	834.76	1/4	505.89	1/4	208.60	1/4		1/4		1/4			
1/2	1,851.89	1/2	1,510.15	1/2	1,168.41	1/2	827.68	1/2	499.37	1/2	202.76	1/2		1/2		1/2			
3/4	1,844.77	3/4	1,503.03	3/4	1,161.29	3/4	820.59	3/4	492.85	3/4	196.91	3/4		3/4		3/4			
8	1,837.65	8	1,495.91	8	1,154.17	8	813.50	8	486.34	8	191.07	8		8		8			
1/4	1,830.53	1/4	1,488.79	1/4	1,147.05	1/4	806.41	1/4	479.88	1/4	185.28	1/4		1/4		1/4			
1/2	1,823.42	1/2	1,481.67	1/2	1,139.93	1/2	799.32	1/2	473.42	1/2	179.49	1/2		1/2		1/2			
3/4	1,816.30	3/4	1,474.55	3/4	1,132.81	3/4	792.24	3/4	466.96	3/4	173.70	3/4		3/4		3/4			
9	1,809.18	9	1,467.44	9	1,125.69	9	785.15	9	460.50	9	167.91	9		9		9			
1/4	1,802.06	1/4	1,460.32	1/4	1,118.57	1/4	778.10	1/4	454.10	1/4	162.17	1/4		1/4		1/4			
1/2	1,794.94	1/2	1,453.20	1/2	1,111.46	1/2	771.06	1/2	447.70	1/2	156.44	1/2		1/2		1/2			
3/4	1,787.82	3/4	1,446.08	3/4	1,104.34	3/4	764.01	3/4	441.29	3/4	150.70	3/4		3/4		3/4			
10	1,780.70	10	1,438.96	10	1,097.22	10	756.96	10	434.89	10	144.97	10		10		10			
1/4	1,773.58	1/4	1,431.84	1/4	1,090.10	1/4	749.98	1/4	428.54	1/4	139.29	1/4		1/4		1/4			
1/2	1,766.46	1/2	1,424.72	1/2	1,082.98	1/2	742.99	1/2	422.20	1/2	133.61	1/2		1/2		1/2			
3/4	1,759.34	3/4	1,417.60	3/4	1,075.86	3/4	736.00	3/4	415.85	3/4	127.94	3/4		3/4		3/4			
11	1,752.22	11	1,410.48	11	1,068.74	11	729.01	11	409.51	11	122.26	11		11		11			
1/4	1,745.10	1/4	1,403.36	1/4	1,061.64	1/4	722.05	1/4	403.22	1/4	116.64	1/4		1/4		1/4			
1/2	1,737.98	1/2	1,396.24	1/2	1,054.54	1/2	715.09	1/2	396.92	1/2	111.02	1/2		1/2		1/2			
3/4	1,730.86	3/4	1,389.12	3/4	1,047.44	3/4	708.13	3/4	390.63	3/4	105.39	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/11/2016 SW - EH
CALCULATED: 10/11/2016 CL
PRINTED: 10/11/2016 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2016

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



BARGE "KIRBY 29061"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	0	0	4,379.30	0	4,080.92	0	3,761.90	0	3,423.41	0	3,081.95	0	2,740.48	0	2,399.02
1/4		1/4		1/4		1/4	4,373.04	1/4	4,074.48	1/4	3,755.02	1/4	3,416.30	1/4	3,074.83	1/4	2,733.37	1/4	2,391.91
1/2		1/2		1/2		1/2	4,366.77	1/2	4,068.05	1/2	3,748.14	1/2	3,409.18	1/2	3,067.72	1/2	2,726.26	1/2	2,384.79
3/4		3/4		3/4		3/4	4,360.51	3/4	4,061.62	3/4	3,741.26	3/4	3,402.07	3/4	3,060.61	3/4	2,719.14	3/4	2,377.68
1	1	1	1	1	1	1	4,354.49	1	4,055.15	1	3,734.35	1	3,394.95	1	3,053.49	1	2,712.03	1	2,370.57
1/4		1/4		1/4		1/4	4,348.48	1/4	4,048.68	1/4	3,727.43	1/4	3,387.84	1/4	3,046.38	1/4	2,704.92	1/4	2,363.45
1/2		1/2		1/2		1/2	4,342.46	1/2	4,042.21	1/2	3,720.52	1/2	3,380.73	1/2	3,039.26	1/2	2,697.80	1/2	2,356.34
3/4		3/4		3/4		3/4	4,336.44	3/4	4,035.74	3/4	3,713.60	3/4	3,373.61	3/4	3,032.15	3/4	2,690.69	3/4	2,349.23
2	2	2	2	2	2	2	4,330.39	2	4,029.23	2	3,706.65	2	3,366.50	2	3,025.04	2	2,683.57	2	2,342.11
1/4		1/4		1/4		1/4	4,324.33	1/4	4,022.73	1/4	3,699.69	1/4	3,359.39	1/4	3,017.92	1/4	2,676.46	1/4	2,335.00
1/2		1/2		1/2		1/2	4,318.28	1/2	4,016.22	1/2	3,692.74	1/2	3,352.27	1/2	3,010.81	1/2	2,669.35	1/2	2,327.88
3/4		3/4		3/4		3/4	4,312.23	3/4	4,009.71	3/4	3,685.79	3/4	3,345.16	3/4	3,003.70	3/4	2,662.23	3/4	2,320.77
3	3	3	3	3	3	3	4,306.13	3	4,003.17	3	3,678.78	3	3,338.04	3	2,996.58	3	2,655.12	3	2,313.66
1/4		1/4		1/4		1/4	4,300.03	1/4	3,996.62	1/4	3,671.78	1/4	3,330.93	1/4	2,989.47	1/4	2,648.01	1/4	2,306.54
1/2		1/2		1/2		1/2	4,293.94	1/2	3,990.08	1/2	3,664.77	1/2	3,323.82	1/2	2,982.35	1/2	2,640.89	1/2	2,299.43
3/4		3/4		3/4		3/4	4,287.84	3/4	3,983.54	3/4	3,657.76	3/4	3,316.70	3/4	2,975.24	3/4	2,633.78	3/4	2,292.32
4	4	4	4	4	4	4	4,281.70	4	3,976.95	4	3,650.72	4	3,309.59	4	2,968.13	4	2,626.66	4	2,285.20
1/4		1/4		1/4		1/4	4,275.57	1/4	3,970.37	1/4	3,643.67	1/4	3,302.48	1/4	2,961.01	1/4	2,619.55	1/4	2,278.09
1/2		1/2		1/2		1/2	4,269.43	1/2	3,963.79	1/2	3,636.62	1/2	3,295.36	1/2	2,953.90	1/2	2,612.44	1/2	2,270.97
3/4		3/4		3/4		3/4	4,263.30	3/4	3,957.21	3/4	3,629.57	3/4	3,288.25	3/4	2,946.79	3/4	2,605.32	3/4	2,263.86
5	5	5	5	5	5	5	4,257.13	5	3,950.59	5	3,622.48	5	3,281.13	5	2,939.67	5	2,598.21	5	2,256.75
1/4		1/4		1/4		1/4	4,250.95	1/4	3,943.97	1/4	3,615.40	1/4	3,274.02	1/4	2,932.56	1/4	2,591.10	1/4	2,249.63
1/2		1/2		1/2		1/2	4,244.78	1/2	3,937.36	1/2	3,608.31	1/2	3,266.91	1/2	2,925.44	1/2	2,583.98	1/2	2,242.52
3/4		3/4		3/4		3/4	4,238.61	3/4	3,930.74	3/4	3,601.23	3/4	3,259.79	3/4	2,918.33	3/4	2,576.87	3/4	2,235.41
6	6	6	6	6	6	6	4,232.40	6	3,924.08	6	3,594.12	6	3,252.68	6	2,911.22	6	2,569.75	6	2,228.29
1/4		1/4		1/4		1/4	4,226.19	1/4	3,917.43	1/4	3,587.01	1/4	3,245.56	1/4	2,904.10	1/4	2,562.64	1/4	2,221.18
1/2		1/2		1/2	4,524.75	1/2	4,219.98	1/2	3,910.77	1/2	3,579.91	1/2	3,238.45	1/2	2,896.99	1/2	2,555.53	1/2	2,214.06
3/4		3/4		3/4	4,520.51	3/4	4,213.77	3/4	3,904.12	3/4	3,572.80	3/4	3,231.34	3/4	2,889.87	3/4	2,548.41	3/4	2,206.95
7	7	7	7	7	7	7	4,514.84	7	4,207.52	7	3,897.42	7	3,565.69	7	2,882.76	7	2,541.30	7	2,199.84
1/4		1/4		1/4	4,509.18	1/4	4,201.28	1/4	3,890.73	1/4	3,558.57	1/4	3,217.11	1/4	2,875.65	1/4	2,534.18	1/4	2,192.72
1/2		1/2		1/2	4,503.52	1/2	4,195.03	1/2	3,884.04	1/2	3,551.46	1/2	3,210.00	1/2	2,868.53	1/2	2,527.07	1/2	2,185.61
3/4		3/4		3/4	4,497.86	3/4	4,188.78	3/4	3,877.35	3/4	3,544.34	3/4	3,202.88	3/4	2,861.42	3/4	2,519.96	3/4	2,178.49
8	8	8	8	8	8	8	4,491.04	8	4,182.50	8	3,870.62	8	3,537.23	8	2,854.31	8	2,512.84	8	2,171.38
1/4		1/4		1/4	4,484.22	1/4	4,176.22	1/4	3,863.89	1/4	3,530.12	1/4	3,188.65	1/4	2,847.19	1/4	2,505.73	1/4	2,164.27
1/2		1/2		1/2	4,477.40	1/2	4,169.93	1/2	3,857.16	1/2	3,523.00	1/2	3,181.54	1/2	2,840.08	1/2	2,498.62	1/2	2,157.15
3/4		3/4		3/4	4,470.59	3/4	4,163.65	3/4	3,850.43	3/4	3,515.89	3/4	3,174.43	3/4	2,832.96	3/4	2,491.50	3/4	2,150.04
9	9	9	9	9	9	9	4,463.50	9	4,157.33	9	3,843.66	9	3,508.78	9	2,825.85	9	2,484.39	9	2,142.93
1/4		1/4		1/4	4,456.42	1/4	4,151.01	1/4	3,836.89	1/4	3,501.66	1/4	3,160.20	1/4	2,818.74	1/4	2,477.27	1/4	2,135.81
1/2		1/2		1/2	4,449.33	1/2	4,144.68	1/2	3,830.12	1/2	3,494.55	1/2	3,153.09	1/2	2,811.62	1/2	2,470.16	1/2	2,128.70
3/4		3/4		3/4	4,442.24	3/4	4,138.36	3/4	3,823.36	3/4	3,487.43	3/4	3,145.97	3/4	2,804.51	3/4	2,463.05	3/4	2,121.58
10	10	10	10	10	10	10	4,435.16	10	4,132.00	10	3,480.32	10	3,138.86	10	2,797.40	10	2,455.93	10	2,114.47
1/4		1/4		1/4	4,428.07	1/4	4,125.65	1/4	3,809.75	1/4	3,473.21	1/4	3,131.74	1/4	2,790.28	1/4	2,448.82	1/4	2,107.36
1/2		1/2		1/2	4,420.99	1/2	4,119.29	1/2	3,802.95	1/2	3,466.09	1/2	3,124.63	1/2	2,783.17	1/2	2,441.71	1/2	2,100.24
3/4		3/4		3/4	4,413.90	3/4	4,112.93	3/4	3,796.14	3/4	3,458.98	3/4	3,117.52	3/4	2,776.05	3/4	2,434.59	3/4	2,093.13
11	11	11	11	11	11	11	4,406.82	11	4,106.53	11	3,789.30	11	3,451.86	11	2,768.94	11	2,427.48	11	2,086.02
1/4		1/4		1/4	4,399.73	1/4	4,100.14	1/4	3,782.46	1/4	3,444.75	1/4	3,103.29	1/4	2,761.83	1/4	2,420.36	1/4	2,078.90
1/2		1/2		1/2	4,392.65	1/2	4,093.74	1/2	3,775.62	1/2	3,437.64	1/2	3,096.17	1/2	2,754.71	1/2	2,413.25	1/2	2,071.79
3/4		3/4		3/4	4,385.56	3/4	4,087.35	3/4	3,768.78	3/4	3,430.52	3/4	3,089.06	3/4	2,747.60	3/4	2,406.14	3/4	2,064.67

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 37'-03" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 29061"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	2,057.56	0	1,716.10	0	1,374.64	0	1,033.17	0	693.10	0	377.32	0	93.91	0		0			
1/4	2,050.45	1/4	1,708.98	1/4	1,367.52	1/4	1,026.06	1/4	686.20	1/4	371.10	1/4	88.36	1/4		0			
1/2	2,043.33	1/2	1,701.87	1/2	1,360.41	1/2	1,018.95	1/2	679.30	1/2	364.87	1/2	82.80	1/2					
3/4	2,036.22	3/4	1,694.76	3/4	1,353.29	3/4	1,011.83	3/4	672.39	3/4	358.65	3/4	77.25	3/4					
1	2,029.10	1	1,687.64	1	1,346.18	1	1,004.72	1	665.55	1	352.48	1	71.75	1					
1/4	2,021.99	1/4	1,680.53	1/4	1,339.07	1/4	997.60	1/4	658.70	1/4	346.31	1/4	66.25	1/4					
1/2	2,014.88	1/2	1,673.41	1/2	1,331.95	1/2	990.49	1/2	651.85	1/2	340.14	1/2	60.75	1/2					
3/4	2,007.76	3/4	1,666.30	3/4	1,324.84	3/4	983.38	3/4	645.01	3/4	333.97	3/4	55.26	3/4					
2	2,000.65	2	1,659.19	2	1,317.72	2	976.26	2	638.21	2	327.86	2	49.81	2					
1/4	1,993.54	1/4	1,652.07	1/4	1,310.61	1/4	969.15	1/4	631.42	1/4	321.74	1/4	44.37	1/4					
1/2	1,986.42	1/2	1,644.96	1/2	1,303.50	1/2	962.03	1/2	624.63	1/2	315.63	1/2	38.93	1/2					
3/4	1,979.31	3/4	1,637.85	3/4	1,296.38	3/4	954.92	3/4	617.84	3/4	309.52	3/4	33.49	3/4					
3	1,972.19	3	1,630.73	3	1,289.27	3	947.81	3	611.11	3	303.46	3	28.77	3					
1/4	1,965.08	1/4	1,623.62	1/4	1,282.16	1/4	940.69	1/4	604.37	1/4	297.40	1/4	24.05	1/4					
1/2	1,957.97	1/2	1,616.50	1/2	1,275.04	1/2	933.58	1/2	597.64	1/2	291.35	1/2	19.33	1/2					
3/4	1,950.85	3/4	1,609.39	3/4	1,267.93	3/4	926.47	3/4	590.90	3/4	285.29	3/4	14.61	3/4					
4	1,943.74	4	1,602.28	4	1,260.81	4	919.35	4	584.23	4	279.29	4	11.51	4					
1/4	1,936.63	1/4	1,595.16	1/4	1,253.70	1/4	912.24	1/4	577.55	1/4	273.29	1/4	8.40	1/4					
1/2	1,929.51	1/2	1,588.05	1/2	1,246.59	1/2	905.12	1/2	570.87	1/2	267.28	1/2	5.29	1/2					
3/4	1,922.40	3/4	1,580.94	3/4	1,239.47	3/4	898.01	3/4	564.19	3/4	261.28	3/4	2.19	3/4					
5	1,915.28	5	1,573.82	5	1,232.36	5	890.90	5	557.57	5	255.33	5		5					
1/4	1,908.17	1/4	1,566.71	1/4	1,225.25	1/4	883.78	1/4	550.95	1/4	249.38	1/4		1/4					
1/2	1,901.06	1/2	1,559.59	1/2	1,218.13	1/2	876.67	1/2	544.33	1/2	243.44	1/2		1/2					
3/4	1,893.94	3/4	1,552.48	3/4	1,211.02	3/4	869.56	3/4	537.70	3/4	237.49	3/4		3/4					
6	1,886.83	6	1,545.37	6	1,203.90	6	862.44	6	531.14	6	231.60	6		6					
1/4	1,879.72	1/4	1,538.25	1/4	1,196.79	1/4	855.33	1/4	524.57	1/4	225.71	1/4		1/4					
1/2	1,872.60	1/2	1,531.14	1/2	1,189.68	1/2	848.21	1/2	518.01	1/2	219.81	1/2		1/2					
3/4	1,865.49	3/4	1,524.03	3/4	1,182.56	3/4	841.10	3/4	511.44	3/4	213.92	3/4		3/4					
7	1,858.37	7	1,516.91	7	1,175.45	7	833.99	7	504.93	7	208.09	7		7					
1/4	1,851.26	1/4	1,509.80	1/4	1,168.34	1/4	826.87	1/4	498.42	1/4	202.25	1/4		1/4					
1/2	1,844.15	1/2	1,502.68	1/2	1,161.22	1/2	819.76	1/2	491.91	1/2	196.42	1/2		1/2					
3/4	1,837.03	3/4	1,495.57	3/4	1,154.11	3/4	812.65	3/4	485.40	3/4	190.58	3/4		3/4					
8	1,829.92	8	1,488.46	8	1,146.99	8	805.53	8	478.95	8	184.80	8		8					
1/4	1,822.80	1/4	1,481.34	1/4	1,139.88	1/4	798.42	1/4	472.50	1/4	179.02	1/4		1/4					
1/2	1,815.69	1/2	1,474.23	1/2	1,132.77	1/2	791.30	1/2	466.05	1/2	173.24	1/2		1/2					
3/4	1,808.58	3/4	1,467.11	3/4	1,125.65	3/4	784.19	3/4	459.60	3/4	167.47	3/4		3/4					
9	1,801.46	9	1,460.00	9	1,118.54	9	777.12	9	453.20	9	161.74	9		9					
1/4	1,794.35	1/4	1,452.89	1/4	1,111.42	1/4	770.05	1/4	446.81	1/4	156.02	1/4		1/4					
1/2	1,787.24	1/2	1,445.77	1/2	1,104.31	1/2	762.98	1/2	440.42	1/2	150.30	1/2		1/2					
3/4	1,780.12	3/4	1,438.66	3/4	1,097.20	3/4	755.90	3/4	434.02	3/4	144.57	3/4		3/4					
10	1,773.01	10	1,431.55	10	1,090.08	10	748.89	10	427.69	10	138.91	10		10					
1/4	1,765.89	1/4	1,424.43	1/4	1,082.97	1/4	741.87	1/4	421.35	1/4	133.24	1/4		1/4					
1/2	1,758.78	1/2	1,417.32	1/2	1,075.86	1/2	734.86	1/2	415.01	1/2	127.57	1/2		1/2					
3/4	1,751.67	3/4	1,410.20	3/4	1,068.74	3/4	727.84	3/4	408.67	3/4	121.91	3/4		3/4					
11	1,744.55	11	1,403.09	11	1,061.63	11	720.88	11	402.39	11	116.30	11		11					
1/4	1,737.44	1/4	1,395.98	1/4	1,054.51	1/4	713.92	1/4	396.11	1/4	110.69	1/4		1/4					
1/2	1,730.33	1/2	1,388.86	1/2	1,047.40	1/2	706.96	1/2	389.83	1/2	105.08	1/2		1/2					
3/4	1,723.21	3/4	1,381.75	3/4	1,040.29	3/4	700.00	3/4	383.55	3/4	99.47	3/4		3/4					

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/11/2016 SW - EH
CALCULATED: 10/11/2016 CL
PRINTED: 10/11/2016 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2016

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



BARGE "KIRBY 29061"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	0	0	5,112.63	0	4,774.51	0	4,411.97	0	4,027.40	0	3,639.49	0	3,251.58	0	2,863.68
1/4		1/4		1/4		1/4	5,105.59	1/4	4,767.20	1/4	4,404.16	1/4	4,019.32	1/4	3,631.41	1/4	3,243.50	1/4	2,855.59
1/2		1/2		1/2		1/2	5,098.56	1/2	4,759.89	1/2	4,396.34	1/2	4,011.24	1/2	3,623.33	1/2	3,235.42	1/2	2,847.51
3/4		3/4		3/4		3/4	5,091.53	3/4	4,752.58	3/4	4,388.53	3/4	4,003.15	3/4	3,615.25	3/4	3,227.34	3/4	2,839.43
1	1	1	1	1	1	1	5,084.78	1	4,745.22	1	4,380.67	1	3,995.07	1	3,607.17	1	3,219.26	1	2,831.35
1/4		1/4		1/4		1/4	5,078.02	1/4	4,737.87	1/4	4,372.81	1/4	3,986.99	1/4	3,599.08	1/4	3,211.18	1/4	2,823.27
1/2		1/2		1/2		1/2	5,071.27	1/2	4,730.52	1/2	4,364.95	1/2	3,978.91	1/2	3,591.00	1/2	3,203.10	1/2	2,815.19
3/4		3/4		3/4		3/4	5,064.52	3/4	4,723.17	3/4	4,357.09	3/4	3,970.83	3/4	3,582.92	3/4	3,195.01	3/4	2,807.11
2	2	2	2	2	2	2	5,057.72	2	4,715.77	2	4,349.19	2	3,962.75	2	3,574.84	2	3,186.93	2	2,799.03
1/4		1/4		1/4		1/4	5,050.93	1/4	4,708.38	1/4	4,341.29	1/4	3,954.67	1/4	3,566.76	1/4	3,178.85	1/4	2,790.94
1/2		1/2		1/2		1/2	5,044.13	1/2	4,700.98	1/2	4,333.39	1/2	3,946.58	1/2	3,558.68	1/2	3,170.77	1/2	2,782.86
3/4		3/4		3/4		3/4	5,037.34	3/4	4,693.59	3/4	4,325.49	3/4	3,938.50	3/4	3,550.60	3/4	3,162.69	3/4	2,774.78
3	3	3	3	3	3	3	5,030.43	3	4,686.15	3	4,317.53	3	3,930.42	3	3,542.51	3	3,154.61	3	2,766.70
1/4		1/4		1/4		1/4	5,023.52	1/4	4,678.71	1/4	4,309.57	1/4	3,922.34	1/4	3,534.43	1/4	3,146.53	1/4	2,758.62
1/2		1/2		1/2		1/2	5,016.61	1/2	4,671.27	1/2	4,301.61	1/2	3,914.26	1/2	3,526.35	1/2	3,138.44	1/2	2,750.54
3/4		3/4		3/4		3/4	5,009.71	3/4	4,663.84	3/4	4,293.65	3/4	3,906.18	3/4	3,518.27	3/4	3,130.36	3/4	2,742.46
4	4	4	4	4	4	4	5,002.73	4	4,656.36	4	4,285.65	4	3,898.10	4	3,510.19	4	3,122.28	4	2,734.37
1/4		1/4		1/4		1/4	4,995.76	1/4	4,648.88	1/4	4,277.64	1/4	3,890.01	1/4	3,502.11	1/4	3,114.20	1/4	2,726.29
1/2		1/2		1/2		1/2	4,988.78	1/2	4,641.40	1/2	4,269.63	1/2	3,881.93	1/2	3,494.03	1/2	3,106.12	1/2	2,718.21
3/4		3/4		3/4		3/4	4,981.81	3/4	4,633.92	3/4	4,261.62	3/4	3,873.85	3/4	3,485.94	3/4	3,098.04	3/4	2,710.13
5	5	5	5	5	5	5	4,974.79	5	4,626.40	5	4,253.57	5	3,865.77	5	3,477.86	5	3,089.96	5	2,702.05
1/4		1/4		1/4		1/4	4,967.78	1/4	4,618.88	1/4	4,245.52	1/4	3,857.69	1/4	3,469.78	1/4	3,081.87	1/4	2,693.97
1/2		1/2		1/2		1/2	4,960.76	1/2	4,611.36	1/2	4,237.47	1/2	3,849.61	1/2	3,461.70	1/2	3,073.79	1/2	2,685.89
3/4		3/4		3/4		3/4	4,953.75	3/4	4,603.84	3/4	4,229.42	3/4	3,841.53	3/4	3,453.62	3/4	3,065.71	3/4	2,677.80
6	6	6	6	6	6	6	4,946.69	6	4,596.27	6	4,221.34	6	3,833.44	6	3,445.54	6	3,057.63	6	2,669.72
1/4		1/4		1/4		1/4	4,939.63	1/4	4,588.71	1/4	4,213.27	1/4	3,825.36	1/4	3,437.46	1/4	3,049.55	1/4	2,661.64
1/2		1/2		1/2		1/2	5,275.97	1/2	4,932.57	1/2	4,581.15	1/2	4,205.19	1/2	3,817.28	1/2	3,429.37	1/2	3,041.47
3/4		3/4		3/4		3/4	5,271.24	3/4	4,925.51	3/4	4,573.58	3/4	4,197.11	3/4	3,809.20	3/4	3,421.29	3/4	3,033.39
7	7	7	7	7	7	7	5,264.90	7	4,918.41	7	4,565.98	7	4,189.03	7	3,801.12	7	3,413.21	7	3,025.30
1/4		1/4		1/4		1/4	5,258.55	1/4	4,911.31	1/4	4,558.37	1/4	4,180.94	1/4	3,793.04	1/4	3,405.13	1/4	3,017.22
1/2		1/2		1/2		1/2	5,252.20	1/2	4,904.21	1/2	4,550.77	1/2	4,172.86	1/2	3,784.96	1/2	3,397.05	1/2	3,009.14
3/4		3/4		3/4		3/4	5,245.86	3/4	4,897.11	3/4	4,543.16	3/4	4,164.78	3/4	3,776.87	3/4	3,388.97	3/4	3,001.06
8	8	8	8	8	8	8	5,238.20	8	4,889.97	8	4,535.51	8	4,156.70	8	3,768.79	8	3,380.89	8	2,992.98
1/4		1/4		1/4		1/4	5,230.54	1/4	4,882.83	1/4	4,527.87	1/4	4,148.62	1/4	3,760.71	1/4	3,372.80	1/4	2,984.90
1/2		1/2		1/2		1/2	5,222.88	1/2	4,875.68	1/2	4,520.22	1/2	4,140.54	1/2	3,752.63	1/2	3,364.72	1/2	2,976.82
3/4		3/4		3/4		3/4	5,215.22	3/4	4,868.54	3/4	4,512.57	3/4	4,132.46	3/4	3,744.55	3/4	3,356.64	3/4	2,968.73
9	9	9	9	9	9	9	5,207.25	9	4,861.36	9	4,504.88	9	4,124.37	9	3,736.47	9	3,348.56	9	2,960.65
1/4		1/4		1/4		1/4	5,199.29	1/4	4,854.17	1/4	4,497.19	1/4	4,116.29	1/4	3,728.39	1/4	3,340.48	1/4	2,952.57
1/2		1/2		1/2		1/2	5,191.33	1/2	4,846.99	1/2	4,489.50	1/2	4,108.21	1/2	3,720.30	1/2	3,332.40	1/2	2,944.49
3/4		3/4		3/4		3/4	5,183.36	3/4	4,839.80	3/4	4,481.81	3/4	4,100.13	3/4	3,712.22	3/4	3,324.32	3/4	2,936.41
10	10	10	10	10	10	10	5,175.40	10	4,832.58	10	4,474.08	10	4,092.05	10	3,704.14	10	3,316.23	10	2,928.33
1/4		1/4		1/4		1/4	5,167.44	1/4	4,825.35	1/4	4,466.35	1/4	4,083.97	1/4	3,696.06	1/4	3,308.15	1/4	2,920.25
1/2		1/2		1/2		1/2	5,159.47	1/2	4,818.12	1/2	4,458.62	1/2	4,075.89	1/2	3,687.98	1/2	3,300.07	1/2	2,912.16
3/4		3/4		3/4		3/4	5,151.51	3/4	4,810.90	3/4	4,450.88	3/4	4,067.81	3/4	3,679.90	3/4	3,291.99	3/4	2,904.08
11	11	11	11	11	11	11	5,143.55	11	4,803.63	11	4,443.11	11	4,059.72	11	3,671.82	11	3,283.91	11	2,896.00
1/4		1/4		1/4		1/4	5,135.58	1/4	4,796.36	1/4	4,435.34	1/4	4,051.64	1/4	3,663.73	1/4	3,275.83	1/4	2,887.92
1/2		1/2		1/2		1/2	5,127.62	1/2	4,789.09	1/2	4,427.56	1/2	4,043.56	1/2	3,655.65	1/2	3,267.75	1/2	2,879.84
3/4		3/4		3/4		3/4	5,119.66	3/4	4,781.82	3/4	4,419.79	3/4	4,035.48	3/4	3,647.57	3/4	3,259.66	3/4	2,871.76

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 29061"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	2,475.72	0	2,087.60	0	1,699.48	0	1,311.36	0	923.48	0	549.92	0	162.09	0		0		0	
1/4	2,467.63	1/4	2,079.51	1/4	1,691.39	1/4	1,303.28	1/4	915.63	1/4	541.91	1/4	154.00	1/4		1/4		1/4	
1/2	2,459.55	1/2	2,071.43	1/2	1,683.31	1/2	1,295.19	1/2	907.77	1/2	533.91	1/2	145.92	1/2		1/2		1/2	
3/4	2,451.46	3/4	2,063.34	3/4	1,675.22	3/4	1,287.10	3/4	899.92	3/4	525.90	3/4	137.83	3/4		3/4		3/4	
1	2,443.37	1	2,055.26	1	1,667.14	1	1,279.02	1	892.15	1	517.82	1	129.75	1		1		1	
1/4	2,435.29	1/4	2,047.17	1/4	1,659.05	1/4	1,270.93	1/4	884.37	1/4	509.74	1/4	121.66	1/4		1/4		1/4	
1/2	2,427.20	1/2	2,039.08	1/2	1,650.97	1/2	1,262.85	1/2	876.60	1/2	501.66	1/2	113.57	1/2		1/2		1/2	
3/4	2,419.12	3/4	2,031.00	3/4	1,642.88	3/4	1,254.76	3/4	868.83	3/4	493.58	3/4	105.49	3/4		3/4		3/4	
2	2,411.03	2	2,022.91	2	1,634.79	2	1,246.68	2	861.05	2	485.49	2	97.40	2		2		2	
1/4	2,402.94	1/4	2,014.83	1/4	1,626.71	1/4	1,238.59	1/4	853.28	1/4	477.41	1/4	89.32	1/4		1/4		1/4	
1/2	2,394.86	1/2	2,006.74	1/2	1,618.62	1/2	1,230.50	1/2	845.50	1/2	469.33	1/2	81.23	1/2		1/2		1/2	
3/4	2,386.77	3/4	1,998.65	3/4	1,610.54	3/4	1,222.42	3/4	837.73	3/4	461.25	3/4	73.15	3/4		3/4		3/4	
3	2,378.69	3	1,990.57	3	1,602.45	3	1,214.33	3	829.96	3	453.16	3	65.82	3		3		3	
1/4	2,370.60	1/4	1,982.48	1/4	1,594.36	1/4	1,206.25	1/4	822.18	1/4	445.08	1/4	58.49	1/4		1/4		1/4	
1/2	2,362.52	1/2	1,974.40	1/2	1,586.28	1/2	1,198.16	1/2	814.41	1/2	437.00	1/2	51.16	1/2		1/2		1/2	
3/4	2,354.43	3/4	1,966.31	3/4	1,578.19	3/4	1,190.07	3/4	806.64	3/4	428.92	3/4	43.83	3/4		3/4		3/4	
4	2,346.34	4	1,958.23	4	1,570.11	4	1,181.99	4	798.86	4	420.83	4	38.27	4		4		4	
1/4	2,338.26	1/4	1,950.14	1/4	1,562.02	1/4	1,173.90	1/4	791.09	1/4	412.75	1/4	32.72	1/4		1/4		1/4	
1/2	2,330.17	1/2	1,942.05	1/2	1,553.94	1/2	1,165.82	1/2	783.31	1/2	404.66	1/2	27.16	1/2		1/2		1/2	
3/4	2,322.09	3/4	1,933.97	3/4	1,545.85	3/4	1,157.73	3/4	775.54	3/4	396.58	3/4	21.60	3/4		3/4		3/4	
5	2,314.00	5	1,925.88	5	1,537.76	5	1,149.65	5	767.77	5	388.49	5		5		5		5	
1/4	2,305.91	1/4	1,917.80	1/4	1,529.68	1/4	1,141.56	1/4	759.99	1/4	380.41	1/4		1/4		1/4		1/4	
1/2	2,297.83	1/2	1,909.71	1/2	1,521.59	1/2	1,133.47	1/2	752.22	1/2	372.32	1/2		1/2		1/2		1/2	
3/4	2,289.74	3/4	1,901.63	3/4	1,513.51	3/4	1,125.39	3/4	744.44	3/4	364.23	3/4		3/4		3/4		3/4	
6	2,281.66	6	1,893.54	6	1,505.42	6	1,117.30	6	736.67	6	356.15	6		6		6		6	
1/4	2,273.57	1/4	1,885.45	1/4	1,497.34	1/4	1,109.22	1/4	728.90	1/4	348.06	1/4		1/4		1/4		1/4	
1/2	2,265.49	1/2	1,877.37	1/2	1,489.25	1/2	1,101.13	1/2	721.12	1/2	339.98	1/2		1/2		1/2		1/2	
3/4	2,257.40	3/4	1,869.28	3/4	1,481.16	3/4	1,093.04	3/4	713.35	3/4	331.89	3/4		3/4		3/4		3/4	
7	2,249.31	7	1,861.20	7	1,473.08	7	1,084.96	7	705.57	7	323.81	7		7		7		7	
1/4	2,241.23	1/4	1,853.11	1/4	1,464.99	1/4	1,076.87	1/4	697.80	1/4	315.72	1/4		1/4		1/4		1/4	
1/2	2,233.14	1/2	1,845.02	1/2	1,456.91	1/2	1,068.79	1/2	690.03	1/2	307.63	1/2		1/2		1/2		1/2	
3/4	2,225.06	3/4	1,836.94	3/4	1,448.82	3/4	1,060.70	3/4	682.25	3/4	299.55	3/4		3/4		3/4		3/4	
8	2,216.97	8	1,828.85	8	1,440.73	8	1,052.62	8	674.48	8	291.46	8		8		8		8	
1/4	2,208.89	1/4	1,820.77	1/4	1,432.65	1/4	1,044.53	1/4	666.71	1/4	283.38	1/4		1/4		1/4		1/4	
1/2	2,200.80	1/2	1,812.68	1/2	1,424.56	1/2	1,036.44	1/2	658.94	1/2	275.29	1/2		1/2		1/2		1/2	
3/4	2,192.71	3/4	1,804.60	3/4	1,416.48	3/4	1,028.36	3/4	651.17	3/4	267.20	3/4		3/4		3/4		3/4	
9	2,184.63	9	1,796.51	9	1,408.39	9	1,020.27	9	643.40	9	259.12	9		9		9		9	
1/4	2,176.54	1/4	1,788.42	1/4	1,400.31	1/4	1,012.19	1/4	635.63	1/4	251.03	1/4		1/4		1/4		1/4	
1/2	2,168.46	1/2	1,780.34	1/2	1,392.22	1/2	1,004.10	1/2	627.86	1/2	242.95	1/2		1/2		1/2		1/2	
3/4	2,160.37	3/4	1,772.25	3/4	1,384.13	3/4	996.02	3/4	620.09	3/4	234.86	3/4		3/4		3/4		3/4	
10	2,152.28	10	1,764.17	10	1,376.05	10	987.93	10	612.32	10	226.78	10		10		10		10	
1/4	2,144.20	1/4	1,756.08	1/4	1,367.96	1/4	979.84	1/4	604.55	1/4	218.69	1/4		1/4		1/4		1/4	
1/2	2,136.11	1/2	1,747.99	1/2	1,359.88	1/2	971.76	1/2	596.77	1/2	210.60	1/2		1/2		1/2		1/2	
3/4	2,128.03	3/4	1,739.91	3/4	1,351.79	3/4	963.67	3/4	589.00	3/4	202.52	3/4		3/4		3/4		3/4	
11	2,119.94	11	1,731.82	11	1,343.70	11	955.59	11	581.23	11	194.43	11		11		11		11	
1/4	2,111.86	1/4	1,723.74	1/4	1,335.62	1/4	947.50	1/4	573.46	1/4	186.35	1/4		1/4		1/4		1/4	
1/2	2,103.77	1/2	1,715.65	1/2	1,327.53	1/2	939.41	1/2	565.69	1/2	178.26	1/2		1/2		1/2		1/2	
3/4	2,095.68	3/4	1,707.57	3/4	1,319.45	3/4	931.33	3/4	557.92	3/4	170.17	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/11/2016 SW - EH
CALCULATED: 10/11/2016 CL
PRINTED: 10/11/2016 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2016

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



BARGE "KIRBY 29061"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	5,154.96	0	4,815.54	0	4,454.25	0	4,070.25	0	3,681.99	0	3,293.73	0	2,905.47
1/4		1/4		1/4		1/4	5,146.99	1/4	4,808.26	1/4	4,446.47	1/4	4,062.16	1/4	3,673.90	1/4	3,285.64	1/4	2,897.39
1/2		1/2		1/2		1/2	5,139.02	1/2	4,800.99	1/2	4,438.69	1/2	4,054.07	1/2	3,665.81	1/2	3,277.55	1/2	2,889.30
3/4		3/4		3/4		3/4	5,131.99	3/4	4,793.67	3/4	4,430.87	3/4	4,045.98	3/4	3,657.72	3/4	3,269.47	3/4	2,881.21
1	1	1	1	1	1	1	5,124.95	1	4,786.36	1	4,423.04	1	4,037.89	1	3,649.63	1	3,261.38	1	2,873.12
1/4		1/4		1/4		1/4	5,117.92	1/4	4,779.04	1/4	4,415.22	1/4	4,029.80	1/4	3,641.55	1/4	3,253.29	1/4	2,865.03
1/2		1/2		1/2		1/2	5,110.88	1/2	4,771.73	1/2	4,407.40	1/2	4,021.72	1/2	3,633.46	1/2	3,245.20	1/2	2,856.94
3/4		3/4		3/4		3/4	5,104.12	3/4	4,764.37	3/4	4,399.53	3/4	4,013.63	3/4	3,625.37	3/4	3,237.11	3/4	2,848.85
2	2	2	2	2	2	2	5,097.37	2	4,757.01	2	4,391.67	2	4,005.54	2	3,617.28	2	3,229.02	2	2,840.76
1/4		1/4		1/4		1/4	5,090.61	1/4	4,749.65	1/4	4,383.81	1/4	3,997.45	1/4	3,609.19	1/4	3,220.93	1/4	2,832.68
1/2		1/2		1/2		1/2	5,083.86	1/2	4,742.29	1/2	4,375.94	1/2	3,989.36	1/2	3,601.10	1/2	3,212.85	1/2	2,824.59
3/4		3/4		3/4		3/4	5,077.06	3/4	4,734.89	3/4	4,368.03	3/4	3,981.27	3/4	3,593.01	3/4	3,204.76	3/4	2,816.50
3	3	3	3	3	3	3	5,070.26	3	4,727.49	3	4,360.13	3	3,973.18	3	3,584.93	3	3,196.67	3	2,808.41
1/4		1/4		1/4		1/4	5,063.46	1/4	4,720.09	1/4	4,352.22	1/4	3,965.09	1/4	3,576.84	1/4	3,188.58	1/4	2,800.32
1/2		1/2		1/2		1/2	5,056.66	1/2	4,712.69	1/2	4,344.31	1/2	3,957.01	1/2	3,568.75	1/2	3,180.49	1/2	2,792.23
3/4		3/4		3/4		3/4	5,049.75	3/4	4,705.25	3/4	4,336.35	3/4	3,948.92	3/4	3,560.66	3/4	3,172.40	3/4	2,784.14
4	4	4	4	4	4	4	5,042.84	4	4,697.81	4	4,328.38	4	3,940.83	4	3,552.57	4	3,164.31	4	2,776.06
1/4		1/4		1/4		1/4	5,035.93	1/4	4,690.37	1/4	4,320.41	1/4	3,932.74	1/4	3,544.48	1/4	3,156.22	1/4	2,767.97
1/2		1/2		1/2		1/2	5,029.01	1/2	4,682.92	1/2	4,312.45	1/2	3,924.65	1/2	3,536.39	1/2	3,148.14	1/2	2,759.88
3/4		3/4		3/4		3/4	5,022.04	3/4	4,675.44	3/4	4,304.43	3/4	3,916.56	3/4	3,528.30	3/4	3,140.05	3/4	2,751.79
5	5	5	5	5	5	5	5,015.06	5	4,667.95	5	4,296.42	5	3,908.47	5	3,520.22	5	3,131.96	5	2,743.70
1/4		1/4		1/4		1/4	5,008.08	1/4	4,660.47	1/4	4,288.40	1/4	3,900.38	1/4	3,512.13	1/4	3,123.87	1/4	2,735.61
1/2		1/2		1/2		1/2	5,001.10	1/2	4,652.99	1/2	4,280.39	1/2	3,892.30	1/2	3,504.04	1/2	3,115.78	1/2	2,727.52
3/4		3/4		3/4		3/4	4,994.08	3/4	4,645.46	3/4	4,272.33	3/4	3,884.21	3/4	3,495.95	3/4	3,107.69	3/4	2,719.43
6	6	6	6	6	6	6	4,987.06	6	4,637.93	6	4,264.27	6	3,876.12	6	3,487.86	6	3,099.60	6	2,711.35
1/4		1/4		1/4		1/4	4,980.04	1/4	4,630.40	1/4	4,256.22	1/4	3,868.03	1/4	3,479.77	1/4	3,091.51	1/4	2,703.26
1/2		1/2		1/2		1/2	4,973.02	1/2	4,622.88	1/2	4,248.16	1/2	3,859.94	1/2	3,471.68	1/2	3,083.43	1/2	2,695.17
3/4		3/4		3/4		3/4	4,965.96	3/4	4,615.31	3/4	4,240.08	3/4	3,851.85	3/4	3,463.59	3/4	3,075.34	3/4	2,687.08
7	7	7	7	7	7	7	4,958.90	7	4,607.74	7	4,232.00	7	3,843.76	7	3,455.51	7	3,067.25	7	2,678.99
1/4		1/4		1/4	5,295.47	1/4	4,951.83	1/4	4,600.17	1/4	4,223.92	1/4	3,835.67	1/4	3,447.42	1/4	3,059.16	1/4	2,670.90
1/2		1/2		1/2	5,290.74	1/2	4,944.77	1/2	4,592.60	1/2	4,215.84	1/2	3,827.59	1/2	3,439.33	1/2	3,051.07	1/2	2,662.81
3/4		3/4		3/4	5,284.38	3/4	4,937.67	3/4	4,584.99	3/4	4,207.76	3/4	3,819.50	3/4	3,431.24	3/4	3,042.98	3/4	2,654.72
8	8	8	8	8	8	8	5,278.03	8	4,930.56	8	4,577.38	8	4,199.67	8	3,811.41	8	3,423.15	8	3,034.89
1/4		1/4		1/4	5,271.68	1/4	4,923.46	1/4	4,569.77	1/4	4,191.58	1/4	3,803.32	1/4	3,415.06	1/4	3,026.80	1/4	2,638.55
1/2		1/2		1/2	5,265.33	1/2	4,916.35	1/2	4,562.16	1/2	4,183.49	1/2	3,795.23	1/2	3,406.97	1/2	3,018.72	1/2	2,630.46
3/4		3/4		3/4	5,257.66	3/4	4,909.20	3/4	4,554.50	3/4	4,175.40	3/4	3,787.14	3/4	3,398.89	3/4	3,010.63	3/4	2,622.37
9	9	9	9	9	9	9	5,250.00	9	4,902.06	9	4,546.85	9	4,167.31	9	3,779.05	9	3,390.80	9	3,002.54
1/4		1/4		1/4	5,242.33	1/4	4,894.91	1/4	4,539.20	1/4	4,159.22	1/4	3,770.97	1/4	3,382.71	1/4	2,994.45	1/4	2,606.19
1/2		1/2		1/2	5,234.66	1/2	4,887.76	1/2	4,531.54	1/2	4,151.13	1/2	3,762.88	1/2	3,374.62	1/2	2,986.36	1/2	2,598.10
3/4		3/4		3/4	5,226.69	3/4	4,880.58	3/4	4,523.85	3/4	4,143.05	3/4	3,754.79	3/4	3,366.53	3/4	2,978.27	3/4	2,590.01
10	10	10	10	10	10	10	5,218.72	10	4,873.39	10	4,516.15	10	4,134.96	10	3,746.70	10	3,358.44	10	2,970.18
1/4		1/4		1/4	5,210.75	1/4	4,866.20	1/4	4,508.46	1/4	4,126.87	1/4	3,738.61	1/4	3,350.35	1/4	2,962.10	1/4	2,573.83
1/2		1/2		1/2	5,202.78	1/2	4,859.01	1/2	4,500.76	1/2	4,118.78	1/2	3,730.52	1/2	3,342.26	1/2	2,954.01	1/2	2,565.74
3/4		3/4		3/4	5,194.81	3/4	4,851.78	3/4	4,493.02	3/4	4,110.69	3/4	3,722.43	3/4	3,334.18	3/4	2,945.92	3/4	2,557.65
11	11	11	11	11	11	11	5,186.84	11	4,844.55	11	4,485.28	11	4,102.60	11	3,714.34	11	3,326.09	11	2,937.83
1/4		1/4		1/4	5,178.87	1/4	4,837.31	1/4	4,477.55	1/4	4,094.51	1/4	3,706.26	1/4	3,318.00	1/4	2,929.74	1/4	2,541.46
1/2		1/2		1/2	5,170.90	1/2	4,830.08	1/2	4,469.81	1/2	4,086.42	1/2	3,698.17	1/2	3,309.91	1/2	2,921.65	1/2	2,533.37
3/4		3/4		3/4	5,162.93	3/4	4,822.81	3/4	4,462.03	3/4	4,078.34	3/4	3,690.08	3/4	3,301.82	3/4	2,913.56	3/4	2,525.28

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 29061"

**2 STBD
ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,517.18	0	2,128.72	0	1,740.26	0	1,351.79	0	963.33	0	574.91	0	186.51	0		0		0	
1/4	2,509.09	1/4	2,120.63	1/4	1,732.16	1/4	1,343.70	1/4	955.24	1/4	566.82	1/4	178.42	1/4		1/4		1/4	
1/2	2,501.00	1/2	2,112.53	1/2	1,724.07	1/2	1,335.61	1/2	947.14	1/2	558.73	1/2	170.33	1/2		1/2		1/2	
3/4	2,492.91	3/4	2,104.44	3/4	1,715.98	3/4	1,327.51	3/4	939.05	3/4	550.64	3/4	162.23	3/4		3/4		3/4	
1	2,484.81	1	2,096.35	1	1,707.88	1	1,319.42	1	930.96	1	542.55	1	154.14	1		1		1	
1/4	2,476.72	1/4	2,088.26	1/4	1,699.79	1/4	1,311.33	1/4	922.86	1/4	534.46	1/4	146.05	1/4		1/4		1/4	
1/2	2,468.63	1/2	2,080.16	1/2	1,691.70	1/2	1,303.23	1/2	914.77	1/2	526.37	1/2	137.96	1/2		1/2		1/2	
3/4	2,460.53	3/4	2,072.07	3/4	1,683.61	3/4	1,295.14	3/4	906.68	3/4	518.28	3/4	129.86	3/4		3/4		3/4	
2	2,452.44	2	2,063.98	2	1,675.51	2	1,287.05	2	898.58	2	510.19	2	121.77	2		2		2	
1/4	2,444.35	1/4	2,055.88	1/4	1,667.42	1/4	1,278.96	1/4	890.49	1/4	502.10	1/4	113.68	1/4		1/4		1/4	
1/2	2,436.25	1/2	2,047.79	1/2	1,659.33	1/2	1,270.86	1/2	882.40	1/2	494.01	1/2	105.58	1/2		1/2		1/2	
3/4	2,428.16	3/4	2,039.70	3/4	1,651.23	3/4	1,262.77	3/4	874.31	3/4	485.92	3/4	97.49	3/4		3/4		3/4	
3	2,420.07	3	2,031.60	3	1,643.14	3	1,254.68	3	866.21	3	477.84	3	89.40	3		3		3	
1/4	2,411.98	1/4	2,023.51	1/4	1,635.05	1/4	1,246.58	1/4	858.12	1/4	469.75	1/4	81.30	1/4		1/4		1/4	
1/2	2,403.88	1/2	2,015.42	1/2	1,626.95	1/2	1,238.49	1/2	850.03	1/2	461.66	1/2	73.21	1/2		1/2		1/2	
3/4	2,395.79	3/4	2,007.33	3/4	1,618.86	3/4	1,230.40	3/4	841.93	3/4	453.57	3/4	65.88	3/4		3/4		3/4	
4	2,387.70	4	1,999.23	4	1,610.77	4	1,222.30	4	833.84	4	445.48	4	58.54	4		4		4	
1/4	2,379.60	1/4	1,991.14	1/4	1,602.68	1/4	1,214.21	1/4	825.75	1/4	437.39	1/4	51.21	1/4		1/4		1/4	
1/2	2,371.51	1/2	1,983.05	1/2	1,594.58	1/2	1,206.12	1/2	817.65	1/2	429.30	1/2	43.87	1/2		1/2		1/2	
3/4	2,363.42	3/4	1,974.95	3/4	1,586.49	3/4	1,198.03	3/4	809.56	3/4	421.21	3/4	38.31	3/4		3/4		3/4	
5	2,355.32	5	1,966.86	5	1,578.40	5	1,189.93	5	801.47	5	413.11	5	32.75	5		5		5	
1/4	2,347.23	1/4	1,958.77	1/4	1,570.30	1/4	1,181.84	1/4	793.38	1/4	405.02	1/4	27.18	1/4		1/4		1/4	
1/2	2,339.14	1/2	1,950.67	1/2	1,562.21	1/2	1,173.75	1/2	785.28	1/2	396.93	1/2	21.62	1/2		1/2		1/2	
3/4	2,331.05	3/4	1,942.58	3/4	1,554.12	3/4	1,165.65	3/4	777.19	3/4	388.84	3/4		3/4		3/4		3/4	
6	2,322.95	6	1,934.49	6	1,546.02	6	1,157.56	6	769.10	6	380.75	6		6		6		6	
1/4	2,314.86	1/4	1,926.40	1/4	1,537.93	1/4	1,149.47	1/4	761.00	1/4	372.65	1/4		1/4		1/4		1/4	
1/2	2,306.77	1/2	1,918.30	1/2	1,529.84	1/2	1,141.37	1/2	752.91	1/2	364.56	1/2		1/2		1/2		1/2	
3/4	2,298.67	3/4	1,910.21	3/4	1,521.75	3/4	1,133.28	3/4	744.82	3/4	356.47	3/4		3/4		3/4		3/4	
7	2,290.58	7	1,902.12	7	1,513.65	7	1,125.19	7	736.72	7	348.37	7		7		7		7	
1/4	2,282.49	1/4	1,894.02	1/4	1,505.56	1/4	1,117.10	1/4	728.63	1/4	340.28	1/4		1/4		1/4		1/4	
1/2	2,274.39	1/2	1,885.93	1/2	1,497.47	1/2	1,109.00	1/2	720.54	1/2	332.19	1/2		1/2		1/2		1/2	
3/4	2,266.30	3/4	1,877.84	3/4	1,489.37	3/4	1,100.91	3/4	712.45	3/4	324.09	3/4		3/4		3/4		3/4	
8	2,258.21	8	1,869.74	8	1,481.28	8	1,092.82	8	704.35	8	316.00	8		8		8		8	
1/4	2,250.12	1/4	1,861.65	1/4	1,473.19	1/4	1,084.72	1/4	696.26	1/4	307.91	1/4		1/4		1/4		1/4	
1/2	2,242.02	1/2	1,853.56	1/2	1,465.09	1/2	1,076.63	1/2	688.17	1/2	299.82	1/2		1/2		1/2		1/2	
3/4	2,233.93	3/4	1,845.47	3/4	1,457.00	3/4	1,068.54	3/4	680.08	3/4	291.72	3/4		3/4		3/4		3/4	
9	2,225.84	9	1,837.37	9	1,448.91	9	1,060.44	9	671.99	9	283.63	9		9		9		9	
1/4	2,217.74	1/4	1,829.28	1/4	1,440.82	1/4	1,052.35	1/4	663.90	1/4	275.54	1/4		1/4		1/4		1/4	
1/2	2,209.65	1/2	1,821.19	1/2	1,432.72	1/2	1,044.26	1/2	655.81	1/2	267.44	1/2		1/2		1/2		1/2	
3/4	2,201.56	3/4	1,813.09	3/4	1,424.63	3/4	1,036.17	3/4	647.72	3/4	259.35	3/4		3/4		3/4		3/4	
10	2,193.46	10	1,805.00	10	1,416.54	10	1,028.07	10	639.63	10	251.26	10		10		10		10	
1/4	2,185.37	1/4	1,796.91	1/4	1,408.44	1/4	1,019.98	1/4	631.54	1/4	243.16	1/4		1/4		1/4		1/4	
1/2	2,177.28	1/2	1,788.81	1/2	1,400.35	1/2	1,011.89	1/2	623.45	1/2	235.07	1/2		1/2		1/2		1/2	
3/4	2,169.19	3/4	1,780.72	3/4	1,392.26	3/4	1,003.79	3/4	615.36	3/4	226.98	3/4		3/4		3/4		3/4	
11	2,161.09	11	1,772.63	11	1,384.16	11	995.70	11	607.27	11	218.89	11		11		11		11	
1/4	2,153.00	1/4	1,764.54	1/4	1,376.07	1/4	987.61	1/4	599.18	1/4	210.79	1/4		1/4		1/4		1/4	
1/2	2,144.91	1/2	1,756.44	1/2	1,367.98	1/2	979.51	1/2	591.09	1/2	202.70	1/2		1/2		1/2		1/2	
3/4	2,136.81	3/4	1,748.35	3/4	1,359.89	3/4	971.42	3/4	583.00	3/4	194.61	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/11/2016 SW - EH
CALCULATED: 10/11/2016 CL
PRINTED: 10/11/2016 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2016

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



BARGE "KIRBY 29061"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	0	0	4,519.61	0	4,262.84	0	3,987.63	0	3,695.45	0	3,390.96	0	3,030.65	0	2,669.80
1/4		1/4		1/4		1/4	4,514.27	1/4	4,257.28	1/4	3,981.69	1/4	3,689.31	1/4	3,383.45	1/4	3,023.13	1/4	2,662.28
1/2		1/2		1/2		1/2	4,508.92	1/2	4,251.73	1/2	3,975.75	1/2	3,683.16	1/2	3,375.95	1/2	3,015.61	1/2	2,654.76
3/4		3/4		3/4		3/4	4,503.58	3/4	4,246.17	3/4	3,969.81	3/4	3,677.02	3/4	3,368.44	3/4	3,008.09	3/4	2,647.24
1	1	1	1	1	1	1	4,498.23	1	4,240.61	1	3,963.87	1	3,670.87	1	3,360.93	1	3,000.58	1	2,639.73
1/4		1/4		1/4		1/4	4,493.10	1/4	4,235.02	1/4	3,957.89	1/4	3,664.73	1/4	3,353.43	1/4	2,993.06	1/4	2,632.21
1/2		1/2		1/2		1/2	4,487.97	1/2	4,229.43	1/2	3,951.92	1/2	3,658.58	1/2	3,345.93	1/2	2,985.54	1/2	2,624.69
3/4		3/4		3/4		3/4	4,482.84	3/4	4,223.84	3/4	3,945.94	3/4	3,652.44	3/4	3,338.43	3/4	2,978.02	3/4	2,617.17
2	2	2	2	2	2	2	4,477.71	2	4,218.26	2	3,939.97	2	3,646.29	2	3,330.92	2	2,970.51	2	2,609.66
1/4		1/4		1/4		1/4	4,472.54	1/4	4,212.63	1/4	3,933.96	1/4	3,640.15	1/4	3,323.42	1/4	2,962.99	1/4	2,602.14
1/2		1/2		1/2		1/2	4,467.38	1/2	4,207.01	1/2	3,927.96	1/2	3,634.01	1/2	3,315.92	1/2	2,955.47	1/2	2,594.62
3/4		3/4		3/4		3/4	4,462.21	3/4	4,201.39	3/4	3,921.95	3/4	3,627.86	3/4	3,308.42	3/4	2,947.95	3/4	2,587.10
3	3	3	3	3	3	3	4,457.05	3	4,195.77	3	3,915.95	3	3,621.72	3	3,300.91	3	2,940.44	3	2,579.59
1/4		1/4		1/4		1/4	4,451.80	1/4	4,190.12	1/4	3,909.89	1/4	3,615.57	1/4	3,293.41	1/4	2,932.92	1/4	2,572.07
1/2		1/2		1/2		1/2	4,446.55	1/2	4,184.46	1/2	3,903.84	1/2	3,609.43	1/2	3,285.91	1/2	2,925.40	1/2	2,564.55
3/4		3/4		3/4		3/4	4,441.30	3/4	4,178.81	3/4	3,897.79	3/4	3,603.28	3/4	3,278.40	3/4	2,917.88	3/4	2,557.03
4	4	4	4	4	4	4	4,436.05	4	4,173.16	4	3,891.74	4	3,597.14	4	3,270.90	4	2,910.36	4	2,549.51
1/4		1/4		1/4		1/4	4,430.75	1/4	4,167.47	1/4	3,885.65	1/4	3,590.99	1/4	3,263.40	1/4	2,902.85	1/4	2,542.00
1/2		1/2		1/2		1/2	4,425.45	1/2	4,161.79	1/2	3,879.56	1/2	3,584.85	1/2	3,255.90	1/2	2,895.33	1/2	2,534.48
3/4		3/4		3/4		3/4	4,420.15	3/4	4,156.10	3/4	3,873.47	3/4	3,578.70	3/4	3,248.39	3/4	2,887.81	3/4	2,526.96
5	5	5	5	5	5	5	4,414.85	5	4,150.42	5	3,867.38	5	3,572.56	5	3,240.89	5	2,880.29	5	2,519.44
1/4		1/4		1/4		1/4	4,409.51	1/4	4,144.70	1/4	3,861.26	1/4	3,566.42	1/4	3,233.39	1/4	2,872.78	1/4	2,511.93
1/2		1/2		1/2		1/2	4,404.18	1/2	4,138.98	1/2	3,855.14	1/2	3,560.27	1/2	3,225.89	1/2	2,865.26	1/2	2,504.41
3/4		3/4		3/4		3/4	4,398.85	3/4	4,133.26	3/4	3,849.02	3/4	3,554.13	3/4	3,218.38	3/4	2,857.74	3/4	2,496.89
6	6	6	6	6	6	6	4,393.52	6	4,127.55	6	3,842.90	6	3,547.98	6	3,210.88	6	2,850.22	6	2,489.37
1/4		1/4		1/4		1/4	4,388.15	1/4	4,121.80	1/4	3,836.76	1/4	3,541.84	1/4	3,203.38	1/4	2,842.70	1/4	2,481.86
1/2		1/2		1/2		1/2	4,382.79	1/2	4,116.05	1/2	3,830.62	1/2	3,535.69	1/2	3,195.87	1/2	2,835.19	1/2	2,474.34
3/4		3/4		3/4		3/4	4,636.58	3/4	4,377.42	3/4	3,824.48	3/4	3,529.55	3/4	3,188.37	3/4	2,827.67	3/4	2,466.82
7	7	7	7	7	7	7	4,372.06	7	4,110.55	7	3,818.34	7	3,523.40	7	3,180.87	7	2,820.15	7	2,459.30
1/4		1/4		1/4		1/4	4,633.54	1/4	4,366.66	1/4	4,098.77	1/4	3,517.26	1/4	3,173.37	1/4	2,812.63	1/4	2,451.78
1/2		1/2		1/2		1/2	4,628.99	1/2	4,361.26	1/2	4,092.99	1/2	3,511.12	1/2	3,165.86	1/2	2,805.12	1/2	2,444.27
3/4		3/4		3/4		3/4	4,624.44	3/4	4,355.87	3/4	4,087.20	3/4	3,504.98	3/4	3,158.36	3/4	2,797.60	3/4	2,436.75
8	8	8	8	8	8	8	4,619.89	8	4,350.47	8	4,081.42	8	3,500.98	8	3,152.36	8	2,791.60	8	2,429.23
1/4		1/4		1/4		1/4	4,615.35	1/4	4,345.04	1/4	4,075.61	1/4	3,498.84	1/4	3,145.86	1/4	2,784.56	1/4	2,421.72
1/2		1/2		1/2		1/2	4,609.58	1/2	4,340.18	1/2	4,070.14	1/2	3,492.70	1/2	3,138.86	1/2	2,777.50	1/2	2,414.20
3/4		3/4		3/4		3/4	4,603.80	3/4	4,334.18	3/4	4,063.98	3/4	3,486.55	3/4	3,131.86	3/4	2,770.50	3/4	2,406.69
9	9	9	9	9	9	9	4,598.03	9	4,328.76	9	4,058.17	9	3,480.41	9	3,124.86	9	2,763.53	9	2,399.17
1/4		1/4		1/4		1/4	4,592.26	1/4	4,323.29	1/4	4,052.32	1/4	3,474.27	1/4	3,117.86	1/4	2,756.53	1/4	2,391.65
1/2		1/2		1/2		1/2	4,586.21	1/2	4,317.83	1/2	4,046.48	1/2	3,468.13	1/2	3,110.86	1/2	2,749.49	1/2	2,384.14
3/4		3/4		3/4		3/4	4,580.15	3/4	4,312.37	3/4	4,040.63	3/4	3,461.99	3/4	3,103.86	3/4	2,742.45	3/4	2,376.62
10	10	10	10	10	10	10	4,574.10	10	4,306.91	10	4,034.78	10	3,455.85	10	3,096.80	10	2,735.40	10	2,369.10
1/4		1/4		1/4		1/4	4,568.05	1/4	4,301.42	1/4	4,028.91	1/4	3,449.71	1/4	3,089.70	1/4	2,728.36	1/4	2,361.59
1/2		1/2		1/2		1/2	4,561.99	1/2	4,295.93	1/2	4,023.03	1/2	3,442.54	1/2	3,082.60	1/2	2,721.32	1/2	2,354.07
3/4		3/4		3/4		3/4	4,555.94	3/4	4,290.43	3/4	4,017.15	3/4	3,435.36	3/4	3,075.46	3/4	2,714.28	3/4	2,346.55
11	11	11	11	11	11	11	4,549.88	11	4,284.94	11	4,011.27	11	3,428.19	11	3,068.24	11	2,707.39	11	2,339.03
1/4		1/4		1/4		1/4	4,543.83	1/4	4,279.45	1/4	4,005.36	1/4	3,421.02	1/4	3,061.10	1/4	2,700.29	1/4	2,331.52
1/2		1/2		1/2		1/2	4,537.77	1/2	4,273.89	1/2	3,999.45	1/2	3,413.88	1/2	3,053.90	1/2	2,693.19	1/2	2,324.00
3/4		3/4		3/4		3/4	4,531.72	3/4	4,268.37	3/4	3,993.54	3/4	3,406.71	3/4	3,046.71	3/4	2,686.09	3/4	2,316.48

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 39'-06" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 29061"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,308.96	0	1,947.78	0	1,589.14	0	1,228.39	0	867.52	0	519.51	0	158.62	0		0		0	
1/4	2,301.44	1/4	1,940.27	1/4	1,581.66	1/4	1,220.87	1/4	860.20	1/4	512.06	1/4	151.09	1/4		1/4		1/4	
1/2	2,293.92	1/2	1,932.77	1/2	1,574.17	1/2	1,213.36	1/2	852.89	1/2	504.61	1/2	143.56	1/2		1/2		1/2	
3/4	2,286.40	3/4	1,925.27	3/4	1,566.69	3/4	1,205.84	3/4	845.57	3/4	497.15	3/4	136.03	3/4		3/4		3/4	
1	2,278.88	1	1,917.76	1	1,559.20	1	1,198.32	1	838.26	1	489.70	1	128.50	1		1		1	
1/4	2,271.36	1/4	1,910.29	1/4	1,551.69	1/4	1,190.80	1/4	831.01	1/4	482.18	1/4	120.97	1/4		1/4		1/4	
1/2	2,263.84	1/2	1,902.81	1/2	1,544.18	1/2	1,183.28	1/2	823.77	1/2	474.66	1/2	113.43	1/2		1/2		1/2	
3/4	2,256.32	3/4	1,895.33	3/4	1,536.67	3/4	1,175.76	3/4	816.52	3/4	467.14	3/4	105.90	3/4		3/4		3/4	
2	2,248.80	2	1,887.86	2	1,529.16	2	1,168.24	2	809.28	2	459.61	2	98.36	2		2		2	
1/4	2,241.27	1/4	1,880.39	1/4	1,521.64	1/4	1,160.72	1/4	802.03	1/4	452.09	1/4	90.82	1/4		1/4		1/4	
1/2	2,233.75	1/2	1,872.92	1/2	1,514.12	1/2	1,153.20	1/2	794.79	1/2	444.57	1/2	83.29	1/2		1/2		1/2	
3/4	2,226.23	3/4	1,865.46	3/4	1,506.60	3/4	1,145.68	3/4	787.54	3/4	437.05	3/4	75.75	3/4		3/4		3/4	
3	2,218.70	3	1,857.99	3	1,499.08	3	1,138.16	3	780.29	3	429.52	3	68.21	3		3		3	
1/4	2,211.18	1/4	1,850.52	1/4	1,491.56	1/4	1,130.65	1/4	773.05	1/4	422.00	1/4	61.38	1/4		1/4		1/4	
1/2	2,203.65	1/2	1,843.05	1/2	1,484.04	1/2	1,123.13	1/2	765.80	1/2	414.48	1/2	54.55	1/2		1/2		1/2	
3/4	2,196.13	3/4	1,835.58	3/4	1,476.52	3/4	1,115.61	3/4	758.56	3/4	406.96	3/4	47.72	3/4		3/4		3/4	
4	2,188.60	4	1,828.12	4	1,469.01	4	1,108.09	4	751.31	4	399.44	4	40.89	4		4		4	
1/4	2,181.07	1/4	1,820.65	1/4	1,461.49	1/4	1,100.58	1/4	744.07	1/4	391.91	1/4	35.70	1/4		1/4		1/4	
1/2	2,173.55	1/2	1,813.18	1/2	1,453.97	1/2	1,093.06	1/2	736.82	1/2	384.39	1/2	30.52	1/2		1/2		1/2	
3/4	2,166.02	3/4	1,805.71	3/4	1,446.45	3/4	1,085.54	3/4	729.58	3/4	376.86	3/4	25.34	3/4		3/4		3/4	
5	2,158.50	5	1,798.24	5	1,438.93	5	1,078.02	5	722.33	5	369.34	5	20.16	5		5		5	
1/4	2,150.97	1/4	1,790.78	1/4	1,431.41	1/4	1,070.51	1/4	715.09	1/4	361.81	1/4		1/4		1/4		1/4	
1/2	2,143.45	1/2	1,783.31	1/2	1,423.89	1/2	1,062.99	1/2	707.84	1/2	354.29	1/2		1/2		1/2		1/2	
3/4	2,135.92	3/4	1,775.84	3/4	1,416.37	3/4	1,055.47	3/4	700.59	3/4	346.76	3/4		3/4		3/4		3/4	
6	2,128.39	6	1,768.37	6	1,408.85	6	1,047.96	6	693.35	6	339.23	6		6		6		6	
1/4	2,120.87	1/4	1,760.91	1/4	1,401.33	1/4	1,040.44	1/4	686.10	1/4	331.71	1/4		1/4		1/4		1/4	
1/2	2,113.34	1/2	1,753.44	1/2	1,393.81	1/2	1,032.92	1/2	678.86	1/2	324.18	1/2		1/2		1/2		1/2	
3/4	2,105.82	3/4	1,745.97	3/4	1,386.29	3/4	1,025.40	3/4	671.61	3/4	316.66	3/4		3/4		3/4		3/4	
7	2,098.29	7	1,738.50	7	1,378.78	7	1,017.89	7	664.37	7	309.13	7		7		7		7	
1/4	2,090.77	1/4	1,731.03	1/4	1,371.26	1/4	1,010.37	1/4	657.12	1/4	301.61	1/4		1/4		1/4		1/4	
1/2	2,083.24	1/2	1,723.57	1/2	1,363.74	1/2	1,002.85	1/2	649.88	1/2	294.08	1/2		1/2		1/2		1/2	
3/4	2,075.71	3/4	1,716.10	3/4	1,356.22	3/4	995.34	3/4	642.63	3/4	286.56	3/4		3/4		3/4		3/4	
8	2,068.19	8	1,708.63	8	1,348.70	8	987.82	8	635.39	8	279.03	8		8		8		8	
1/4	2,060.66	1/4	1,701.16	1/4	1,341.18	1/4	980.30	1/4	628.14	1/4	271.50	1/4		1/4		1/4		1/4	
1/2	2,053.14	1/2	1,693.69	1/2	1,333.66	1/2	972.79	1/2	620.90	1/2	263.98	1/2		1/2		1/2		1/2	
3/4	2,045.61	3/4	1,686.23	3/4	1,326.14	3/4	965.27	3/4	613.66	3/4	256.45	3/4		3/4		3/4		3/4	
9	2,038.09	9	1,678.76	9	1,318.62	9	957.75	9	606.41	9	248.93	9		9		9		9	
1/4	2,030.56	1/4	1,671.29	1/4	1,311.10	1/4	950.23	1/4	599.17	1/4	241.40	1/4		1/4		1/4		1/4	
1/2	2,023.03	1/2	1,663.82	1/2	1,303.58	1/2	942.72	1/2	591.93	1/2	233.88	1/2		1/2		1/2		1/2	
3/4	2,015.51	3/4	1,656.35	3/4	1,296.07	3/4	935.20	3/4	584.69	3/4	226.35	3/4		3/4		3/4		3/4	
10	2,007.98	10	1,648.89	10	1,288.55	10	927.68	10	577.45	10	218.83	10		10		10		10	
1/4	2,000.46	1/4	1,641.42	1/4	1,281.03	1/4	920.17	1/4	570.20	1/4	211.30	1/4		1/4		1/4		1/4	
1/2	1,992.93	1/2	1,633.95	1/2	1,273.51	1/2	912.65	1/2	562.96	1/2	203.78	1/2		1/2		1/2		1/2	
3/4	1,985.41	3/4	1,626.48	3/4	1,265.99	3/4	905.13	3/4	555.72	3/4	196.25	3/4		3/4		3/4		3/4	
11	1,977.88	11	1,619.02	11	1,258.47	11	897.61	11	548.48	11	188.73	11		11		11		11	
1/4	1,970.35	1/4	1,611.55	1/4	1,250.95	1/4	890.09	1/4	541.24	1/4	181.20	1/4		1/4		1/4		1/4	
1/2	1,962.83	1/2	1,604.08	1/2	1,243.43	1/2	882.57	1/2	533.99	1/2	173.68	1/2		1/2		1/2		1/2	
3/4	1,955.30	3/4	1,596.61	3/4	1,235.91	3/4	875.04	3/4	526.75	3/4	166.15	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/11/2016 SW - EH
CALCULATED: 10/11/2016 CL
PRINTED: 10/11/2016 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2016

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



BARGE "KIRBY 29061"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	0	0	4,547.66	0	4,290.31	0	4,015.44	0	3,723.46	0	3,420.31	0	3,059.42	0	2,697.96
1/4		1/4		1/4		1/4	4,541.60	1/4	4,284.78	1/4	4,009.53	1/4	3,717.32	1/4	3,412.80	1/4	3,051.89	1/4	2,690.43
1/2		1/2		1/2		1/2	4,536.26	1/2	4,279.22	1/2	4,003.59	1/2	3,711.17	1/2	3,405.28	1/2	3,044.36	1/2	2,682.90
3/4		3/4		3/4		3/4	4,530.91	3/4	4,273.67	3/4	3,997.65	3/4	3,705.03	3/4	3,397.76	3/4	3,036.83	3/4	2,675.37
1	1	1	1	1	1	1	4,525.57	1	4,268.11	1	3,991.70	1	3,698.88	1	3,390.25	1	3,029.30	1	2,667.84
1/4		1/4		1/4		1/4	4,520.22	1/4	4,262.55	1/4	3,985.76	1/4	3,692.74	1/4	3,382.73	1/4	3,021.77	1/4	2,660.31
1/2		1/2		1/2		1/2	4,515.09	1/2	4,256.96	1/2	3,979.79	1/2	3,686.59	1/2	3,375.22	1/2	3,014.24	1/2	2,652.78
3/4		3/4		3/4		3/4	4,509.96	3/4	4,251.37	3/4	3,973.81	3/4	3,680.45	3/4	3,367.70	3/4	3,006.70	3/4	2,645.25
2	2	2	2	2	2	2	4,504.82	2	4,245.78	2	3,967.84	2	3,674.30	2	3,360.19	2	2,999.17	2	2,637.72
1/4		1/4		1/4		1/4	4,499.69	1/4	4,240.19	1/4	3,961.86	1/4	3,668.16	1/4	3,352.67	1/4	2,991.64	1/4	2,630.18
1/2		1/2		1/2		1/2	4,494.52	1/2	4,234.57	1/2	3,955.86	1/2	3,662.01	1/2	3,345.16	1/2	2,984.11	1/2	2,622.65
3/4		3/4		3/4		3/4	4,489.36	3/4	4,228.94	3/4	3,949.85	3/4	3,655.86	3/4	3,337.64	3/4	2,976.58	3/4	2,615.12
3	3	3	3	3	3	3	4,484.19	3	4,223.32	3	3,943.84	3	3,649.72	3	3,330.13	3	2,969.05	3	2,607.59
1/4		1/4		1/4		1/4	4,479.03	1/4	4,217.70	1/4	3,937.83	1/4	3,643.57	1/4	3,322.61	1/4	2,961.52	1/4	2,600.06
1/2		1/2		1/2		1/2	4,473.78	1/2	4,212.05	1/2	3,931.78	1/2	3,637.43	1/2	3,315.10	1/2	2,953.99	1/2	2,592.53
3/4		3/4		3/4		3/4	4,468.53	3/4	4,206.39	3/4	3,925.73	3/4	3,631.28	3/4	3,307.58	3/4	2,946.46	3/4	2,585.00
4	4	4	4	4	4	4	4,463.27	4	4,200.74	4	3,919.68	4	3,625.14	4	3,300.06	4	2,938.93	4	2,577.47
1/4		1/4		1/4		1/4	4,458.02	1/4	4,195.08	1/4	3,913.62	1/4	3,618.99	1/4	3,292.55	1/4	2,931.40	1/4	2,569.94
1/2		1/2		1/2		1/2	4,452.72	1/2	4,189.40	1/2	3,907.54	1/2	3,612.85	1/2	3,285.03	1/2	2,923.87	1/2	2,562.41
3/4		3/4		3/4		3/4	4,447.42	3/4	4,183.71	3/4	3,901.45	3/4	3,606.70	3/4	3,277.52	3/4	2,916.34	3/4	2,554.88
5	5	5	5	5	5	5	4,442.12	5	4,178.02	5	3,895.36	5	3,600.56	5	3,270.00	5	2,908.81	5	2,547.35
1/4		1/4		1/4		1/4	4,436.82	1/4	4,172.34	1/4	3,889.27	1/4	3,594.41	1/4	3,262.49	1/4	2,901.28	1/4	2,539.82
1/2		1/2		1/2		1/2	4,431.48	1/2	4,166.62	1/2	3,883.15	1/2	3,588.27	1/2	3,254.97	1/2	2,893.75	1/2	2,532.29
3/4		3/4		3/4		3/4	4,426.15	3/4	4,160.90	3/4	3,877.03	3/4	3,582.12	3/4	3,247.46	3/4	2,886.22	3/4	2,524.76
6	6	6	6	6	6	6	4,420.82	6	4,155.18	6	3,870.91	6	3,575.98	6	3,239.94	6	2,878.69	6	2,517.23
1/4		1/4		1/4		1/4	4,415.48	1/4	4,149.46	1/4	3,864.78	1/4	3,569.83	1/4	3,232.43	1/4	2,871.16	1/4	2,509.70
1/2		1/2		1/2		1/2	4,410.12	1/2	4,143.71	1/2	3,858.64	1/2	3,563.69	1/2	3,224.91	1/2	2,863.63	1/2	2,502.17
3/4		3/4		3/4		3/4	4,404.75	3/4	4,137.96	3/4	3,852.50	3/4	3,557.54	3/4	3,217.40	3/4	2,856.10	3/4	2,494.64
7	7	7	7	7	7	7	4,658.58	7	4,399.38	7	4,132.21	7	3,846.36	7	3,551.40	7	3,209.88	7	2,848.57
1/4		1/4		1/4		1/4	4,655.54	1/4	4,394.02	1/4	4,126.46	1/4	3,840.22	1/4	3,545.25	1/4	3,202.36	1/4	2,841.04
1/2		1/2		1/2		1/2	4,650.99	1/2	4,388.62	1/2	4,120.68	1/2	3,834.08	1/2	3,539.11	1/2	3,194.85	1/2	2,833.51
3/4		3/4		3/4		3/4	4,646.44	3/4	4,383.22	3/4	4,114.90	3/4	3,827.93	3/4	3,532.97	3/4	3,187.33	3/4	2,825.98
8	8	8	8	8	8	8	4,641.90	8	4,377.83	8	4,109.12	8	3,821.79	8	3,526.82	8	3,179.82	8	2,818.44
1/4		1/4		1/4		1/4	4,637.35	1/4	4,372.43	1/4	4,103.33	1/4	3,815.64	1/4	3,520.68	1/4	3,172.30	1/4	2,810.91
1/2		1/2		1/2		1/2	4,631.58	1/2	4,367.00	1/2	4,097.52	1/2	3,809.49	1/2	3,514.54	1/2	3,164.79	1/2	2,803.38
3/4		3/4		3/4		3/4	4,625.81	3/4	4,361.57	3/4	4,091.70	3/4	3,803.35	3/4	3,508.40	3/4	3,157.27	3/4	2,795.85
9	9	9	9	9	9	9	4,620.03	9	4,356.14	9	4,085.89	9	3,797.20	9	3,502.26	9	3,149.76	9	2,788.32
1/4		1/4		1/4		1/4	4,614.26	1/4	4,350.71	1/4	4,080.08	1/4	3,791.06	1/4	3,496.11	1/4	3,142.24	1/4	2,780.79
1/2		1/2		1/2		1/2	4,608.21	1/2	4,345.25	1/2	4,074.23	1/2	3,784.91	1/2	3,489.97	1/2	3,134.71	1/2	2,773.26
3/4		3/4		3/4		3/4	4,602.15	3/4	4,339.78	3/4	4,068.38	3/4	3,778.77	3/4	3,483.83	3/4	3,127.19	3/4	2,765.73
10	10	10	10	10	10	10	4,596.10	10	4,334.32	10	4,062.54	10	3,772.62	10	3,477.69	10	3,119.66	10	2,758.20
1/4		1/4		1/4		1/4	4,590.04	1/4	4,328.86	1/4	4,056.69	1/4	3,766.48	1/4	3,471.55	1/4	3,112.13	1/4	2,750.67
1/2		1/2		1/2		1/2	4,583.99	1/2	4,323.37	1/2	4,050.81	1/2	3,760.33	1/2	3,464.37	1/2	3,104.60	1/2	2,743.14
3/4		3/4		3/4		3/4	4,577.93	3/4	4,317.87	3/4	4,044.93	3/4	3,754.19	3/4	3,457.20	3/4	3,097.07	3/4	2,735.61
11	11	11	11	11	11	11	4,571.88	11	4,312.38	11	4,039.05	11	3,748.04	11	3,450.03	11	3,089.54	11	2,728.08
1/4		1/4		1/4		1/4	4,565.82	1/4	4,306.89	1/4	4,033.18	1/4	3,741.90	1/4	3,442.86	1/4	3,082.01	1/4	2,720.55
1/2		1/2		1/2		1/2	4,559.77	1/2	4,301.36	1/2	4,027.26	1/2	3,735.75	1/2	3,435.34	1/2	3,074.48	1/2	2,713.02
3/4		3/4		3/4		3/4	4,553.71	3/4	4,295.83	3/4	4,021.35	3/4	3,729.61	3/4	3,427.83	3/4	3,066.95	3/4	2,705.49

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 39'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 29061"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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	2,336.47	0	1,974.68	0	1,612.88	0	1,251.38	0	889.68	0	527.93	0	166.20	0		0		0	
1/4	2,328.93	1/4	1,967.14	1/4	1,605.34	1/4	1,243.85	1/4	882.14	1/4	520.40	1/4	158.66	1/4		1/4		1/4	
1/2	2,321.40	1/2	1,959.60	1/2	1,597.81	1/2	1,236.32	1/2	874.60	1/2	512.86	1/2	151.12	1/2		1/2		1/2	
3/4	2,313.86	3/4	1,952.07	3/4	1,590.28	3/4	1,228.79	3/4	867.07	3/4	505.33	3/4	143.59	3/4		3/4		3/4	
1	2,306.33	1	1,944.53	1	1,582.75	1	1,221.26	1	859.53	1	497.79	1	136.05	1		1		1	
1/4	2,298.79	1/4	1,936.99	1/4	1,575.21	1/4	1,213.73	1/4	851.99	1/4	490.26	1/4	128.51	1/4		1/4		1/4	
1/2	2,291.25	1/2	1,929.45	1/2	1,567.68	1/2	1,206.20	1/2	844.45	1/2	482.73	1/2	120.97	1/2		1/2		1/2	
3/4	2,283.72	3/4	1,921.92	3/4	1,560.15	3/4	1,198.67	3/4	836.92	3/4	475.19	3/4	113.44	3/4		3/4		3/4	
2	2,276.18	2	1,914.38	2	1,552.62	2	1,191.14	2	829.38	2	467.66	2	105.90	2		2		2	
1/4	2,268.64	1/4	1,906.84	1/4	1,545.09	1/4	1,183.61	1/4	821.84	1/4	460.12	1/4	98.36	1/4		1/4		1/4	
1/2	2,261.10	1/2	1,899.30	1/2	1,537.56	1/2	1,176.08	1/2	814.30	1/2	452.59	1/2	90.82	1/2		1/2		1/2	
3/4	2,253.57	3/4	1,891.77	3/4	1,530.03	3/4	1,168.54	3/4	806.77	3/4	445.06	3/4	83.29	3/4		3/4		3/4	
3	2,246.03	3	1,884.23	3	1,522.50	3	1,161.01	3	799.23	3	437.52	3	75.75	3		3		3	
1/4	2,238.49	1/4	1,876.69	1/4	1,514.97	1/4	1,153.48	1/4	791.69	1/4	429.99	1/4	68.21	1/4		1/4		1/4	
1/2	2,230.95	1/2	1,869.15	1/2	1,507.43	1/2	1,145.95	1/2	784.16	1/2	422.45	1/2	61.38	1/2		1/2		1/2	
3/4	2,223.42	3/4	1,861.62	3/4	1,499.90	3/4	1,138.41	3/4	776.62	3/4	414.92	3/4	54.55	3/4		3/4		3/4	
4	2,215.88	4	1,854.08	4	1,492.37	4	1,130.87	4	769.08	4	407.39	4	47.72	4		4		4	
1/4	2,208.34	1/4	1,846.54	1/4	1,484.84	1/4	1,123.34	1/4	761.54	1/4	399.85	1/4	40.89	1/4		1/4		1/4	
1/2	2,200.80	1/2	1,839.00	1/2	1,477.31	1/2	1,115.80	1/2	754.01	1/2	392.32	1/2	35.70	1/2		1/2		1/2	
3/4	2,193.27	3/4	1,831.47	3/4	1,469.78	3/4	1,108.26	3/4	746.47	3/4	384.78	3/4	30.52	3/4		3/4		3/4	
5	2,185.73	5	1,823.93	5	1,462.25	5	1,100.73	5	738.93	5	377.25	5	25.34	5		5		5	
1/4	2,178.19	1/4	1,816.39	1/4	1,454.72	1/4	1,093.19	1/4	731.39	1/4	369.71	1/4	20.16	1/4		1/4		1/4	
1/2	2,170.65	1/2	1,808.85	1/2	1,447.19	1/2	1,085.65	1/2	723.86	1/2	362.17	1/2		1/2		1/2		1/2	
3/4	2,163.12	3/4	1,801.32	3/4	1,439.66	3/4	1,078.11	3/4	716.32	3/4	354.64	3/4		3/4		3/4		3/4	
6	2,155.58	6	1,793.78	6	1,432.13	6	1,070.58	6	708.78	6	347.10	6		6		6		6	
1/4	2,148.04	1/4	1,786.24	1/4	1,424.59	1/4	1,063.04	1/4	701.24	1/4	339.56	1/4		1/4		1/4		1/4	
1/2	2,140.50	1/2	1,778.71	1/2	1,417.06	1/2	1,055.50	1/2	693.71	1/2	332.02	1/2		1/2		1/2		1/2	
3/4	2,132.97	3/4	1,771.17	3/4	1,409.53	3/4	1,047.96	3/4	686.17	3/4	324.49	3/4		3/4		3/4		3/4	
7	2,125.43	7	1,763.63	7	1,402.00	7	1,040.43	7	678.63	7	316.95	7		7		7		7	
1/4	2,117.89	1/4	1,756.09	1/4	1,394.47	1/4	1,032.89	1/4	671.09	1/4	309.41	1/4		1/4		1/4		1/4	
1/2	2,110.35	1/2	1,748.56	1/2	1,386.94	1/2	1,025.35	1/2	663.56	1/2	301.87	1/2		1/2		1/2		1/2	
3/4	2,102.82	3/4	1,741.02	3/4	1,379.41	3/4	1,017.81	3/4	656.02	3/4	294.34	3/4		3/4		3/4		3/4	
8	2,095.28	8	1,733.48	8	1,371.88	8	1,010.28	8	648.48	8	286.80	8		8		8		8	
1/4	2,087.74	1/4	1,725.94	1/4	1,364.35	1/4	1,002.74	1/4	640.94	1/4	279.26	1/4		1/4		1/4		1/4	
1/2	2,080.20	1/2	1,718.41	1/2	1,356.82	1/2	995.20	1/2	633.41	1/2	271.72	1/2		1/2		1/2		1/2	
3/4	2,072.67	3/4	1,710.87	3/4	1,349.29	3/4	987.66	3/4	625.87	3/4	264.19	3/4		3/4		3/4		3/4	
9	2,065.13	9	1,703.33	9	1,341.76	9	980.13	9	618.34	9	256.65	9		9		9		9	
1/4	2,057.59	1/4	1,695.79	1/4	1,334.22	1/4	972.59	1/4	610.80	1/4	249.11	1/4		1/4		1/4		1/4	
1/2	2,050.05	1/2	1,688.26	1/2	1,326.69	1/2	965.05	1/2	603.27	1/2	241.57	1/2		1/2		1/2		1/2	
3/4	2,042.52	3/4	1,680.72	3/4	1,319.16	3/4	957.52	3/4	595.74	3/4	234.04	3/4		3/4		3/4		3/4	
10	2,034.98	10	1,673.18	10	1,311.63	10	949.98	10	588.20	10	226.50	10		10		10		10	
1/4	2,027.44	1/4	1,665.64	1/4	1,304.10	1/4	942.44	1/4	580.67	1/4	218.96	1/4		1/4		1/4		1/4	
1/2	2,019.90	1/2	1,658.11	1/2	1,296.57	1/2	934.90	1/2	573.13	1/2	211.42	1/2		1/2		1/2		1/2	
3/4	2,012.37	3/4	1,650.57	3/4	1,289.04	3/4	927.37	3/4	565.60	3/4	203.89	3/4		3/4		3/4		3/4	
11	2,004.83	11	1,643.03	11	1,281.51	11	919.83	11	558.07	11	196.35	11		11		11		11	
1/4	1,997.29	1/4	1,635.49	1/4	1,273.98	1/4	912.29	1/4	550.53	1/4	188.81	1/4		1/4		1/4		1/4	
1/2	1,989.75	1/2	1,627.96	1/2	1,266.45	1/2	904.75	1/2	543.00	1/2	181.27	1/2		1/2		1/2		1/2	
3/4	1,982.22	3/4	1,620.42	3/4	1,258.92	3/4	897.22	3/4	535.46	3/4	173.74	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/11/2016 SW - EH
CALCULATED: 10/11/2016 CL
PRINTED: 10/11/2016 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2016

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