



BARGE "KIRBY 29062"

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	- 01-0/8	01-0/8
1 STBD	- 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	- 01-0/8	01-0/8
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	- 00-7/8	00-7/8	- 01-0/8	01-0/8	- 01-1/4	01-1/4
3 STBD	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-0/8	01-0/8	- 01-1/4	01-1/4

(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"

December 30, 2016

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29062"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN			
0		0		0		0	4,391.68	0	4,092.82	0	3,773.66	0	3,434.86	0	3,092.87	0	2,750.89	0	2,408.91		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,385.40	1/4	4,086.37	1/4	3,766.77	1/4	3,427.73	1/4	3,085.75	1/4	2,743.77	1/4	2,401.79		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,379.13	1/2	4,079.93	1/2	3,759.88	1/2	3,420.61	1/2	3,078.63	1/2	2,736.64	1/2	2,394.66		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,372.85	3/4	4,073.48	3/4	3,752.99	3/4	3,413.48	3/4	3,071.50	3/4	2,729.52	3/4	2,387.54		
1		1		1		1	4,366.57	1	4,067.04	1	3,746.10	1	3,406.36	1	3,064.38	1	2,722.40	1	2,380.41		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,360.54	1/4	4,060.55	1/4	3,739.17	1/4	3,399.23	1/4	3,057.25	1/4	2,715.27	1/4	2,373.29		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,354.51	1/2	4,054.07	1/2	3,732.24	1/2	3,392.11	1/2	3,050.13	1/2	2,708.15	1/2	2,366.17		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,348.48	3/4	4,047.59	3/4	3,725.32	3/4	3,384.98	3/4	3,043.00	3/4	2,701.02	3/4	2,359.04		
2		2		2		2	4,342.45	2	4,041.11	2	3,718.39	2	3,377.86	2	3,035.88	2	2,693.90	2	2,351.92		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,336.38	1/4	4,034.59	1/4	3,711.42	1/4	3,370.73	1/4	3,028.75	1/4	2,686.77	1/4	2,344.79		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,330.31	1/2	4,028.07	1/2	3,704.46	1/2	3,363.61	1/2	3,021.63	1/2	2,679.65	1/2	2,337.67		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,324.25	3/4	4,021.55	3/4	3,697.50	3/4	3,356.48	3/4	3,014.50	3/4	2,672.52	3/4	2,330.54		
3		3		3		3	4,318.18	3	4,015.03	3	3,690.53	3	3,349.36	3	3,007.38	3	2,665.40	3	2,323.42		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,312.07	1/4	4,008.47	1/4	3,683.52	1/4	3,342.24	1/4	3,000.25	1/4	2,658.27	1/4	2,316.29		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,305.96	1/2	4,001.91	1/2	3,676.50	1/2	3,335.11	1/2	2,993.13	1/2	2,651.15	1/2	2,309.17		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,299.85	3/4	3,995.36	3/4	3,669.48	3/4	3,327.99	3/4	2,986.01	3/4	2,644.02	3/4	2,302.04		
4		4		4		4	4,293.74	4	3,988.80	4	3,662.46	4	3,320.86	4	2,978.88	4	2,636.90	4	2,294.92		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,287.59	1/4	3,982.21	1/4	3,655.40	1/4	3,313.74	1/4	2,971.76	1/4	2,629.78	1/4	2,287.79		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,281.44	1/2	3,975.61	1/2	3,648.34	1/2	3,306.61	1/2	2,964.63	1/2	2,622.65	1/2	2,280.67		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,275.29	3/4	3,969.02	3/4	3,641.28	3/4	3,299.49	3/4	2,957.51	3/4	2,615.53	3/4	2,273.55		
5		5		5		5	4,269.14	5	3,962.43	5	3,634.22	5	3,292.36	5	2,950.38	5	2,608.40	5	2,266.42		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,262.95	1/4	3,955.80	1/4	3,627.13	1/4	3,285.24	1/4	2,943.26	1/4	2,601.28	1/4	2,259.30		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,256.77	1/2	3,949.17	1/2	3,620.03	1/2	3,278.11	1/2	2,936.13	1/2	2,594.15	1/2	2,252.17		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,250.58	3/4	3,942.53	3/4	3,612.93	3/4	3,270.99	3/4	2,929.01	3/4	2,587.03	3/4	2,245.05		
6		6		6		6	4,244.40	6	3,935.90	6	3,605.84	6	3,263.86	6	2,921.88	6	2,579.90	6	2,237.92		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,238.17	1/4	3,929.24	1/4	3,598.71	1/4	3,256.74	1/4	2,914.76	1/4	2,572.78	1/4	2,230.80		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,231.95	1/2	3,922.57	1/2	3,591.59	1/2	3,249.62	1/2	2,907.63	1/2	2,565.65	1/2	2,223.67		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,531.09	3/4	4,225.73	3/4	3,915.90	3/4	3,584.47	3/4	3,242.49	3/4	2,900.51	3/4	2,558.53	3/4	2,216.55
7		7		7		7	4,526.84	7	4,219.50	7	3,909.23	7	3,577.35	7	3,235.37	7	2,893.39	7	2,551.40	7	2,209.42
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,521.17	1/4	4,213.24	1/4	3,902.53	1/4	3,570.22	1/4	3,228.24	1/4	2,886.26	1/4	2,544.28	1/4	2,202.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,515.50	1/2	4,206.98	1/2	3,895.82	1/2	3,563.10	1/2	3,221.12	1/2	2,879.14	1/2	2,537.16	1/2	2,195.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,509.82	3/4	4,200.72	3/4	3,889.12	3/4	3,555.97	3/4	3,213.99	3/4	2,872.01	3/4	2,530.03	3/4	2,188.05
8		8		8		8	4,504.15	8	4,194.46	8	3,882.41	8	3,548.85	8	3,206.87	8	2,864.89	8	2,522.91	8	2,180.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,497.32	1/4	4,188.17	1/4	3,875.67	1/4	3,541.72	1/4	3,199.74	1/4	2,857.76	1/4	2,515.78	1/4	2,173.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,490.49	1/2	4,181.87	1/2	3,868.93	1/2	3,534.60	1/2	3,192.62	1/2	2,850.64	1/2	2,508.66	1/2	2,166.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,483.66	3/4	4,175.57	3/4	3,862.19	3/4	3,527.48	3/4	3,185.49	3/4	2,843.51	3/4	2,501.53	3/4	2,159.55
9		9		9		9	4,476.84	9	4,169.27	9	3,855.45	9	3,520.35	9	3,178.37	9	2,836.39	9	2,494.41	9	2,152.43
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,469.74	1/4	4,162.94	1/4	3,848.67	1/4	3,513.23	1/4	3,171.25	1/4	2,829.26	1/4	2,487.28	1/4	2,145.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,462.64	1/2	4,156.60	1/2	3,841.89	1/2	3,506.10	1/2	3,164.12	1/2	2,822.14	1/2	2,480.16	1/2	2,138.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,455.55	3/4	4,150.27	3/4	3,835.11	3/4	3,498.98	3/4	3,157.00	3/4	2,815.02	3/4	2,473.03	3/4	2,131.05
10		10		10		10	4,448.45	10	4,143.94	10	3,828.33	10	3,491.85	10	3,149.87	10	2,807.89	10	2,465.91	10	2,123.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,441.35	1/4	4,137.56	1/4	3,821.52	1/4	3,484.73	1/4	3,142.75	1/4	2,800.77	1/4	2,458.79	1/4	2,116.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,434.26	1/2	4,131.19	1/2	3,814.70	1/2	3,477.60	1/2	3,135.62	1/2	2,793.64	1/2	2,451.66	1/2	2,109.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,427.16	3/4	4,124.82	3/4	3,807.88	3/4	3,470.48	3/4	3,128.50	3/4	2,786.52	3/4	2,444.54	3/4	2,102.56
11		11		11		11	4,420.07	11	4,118.45	11	3,801.07	11	3,463.35	11	3,121.37	11	2,779.39	11	2,437.41	11	2,095.43
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,412.97	1/4	4,112.04	1/4	3,794.22	1/4	3,456.23	1/4	3,114.25	1/4	2,772.27	1/4	2,430.29	1/4	2,088.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,405.87	1/2	4,105.63	1/2	3,787.36	1/2	3,449.10	1/2	3,107.12	1/2	2,765.14	1/2	2,423.16	1/2	2,081.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,398.78	3/4	4,099.23	3/4	3,780.51	3/4	3,441.98	3/4	3,100.00	3/4	2,758.02	3/4	2,416.04	3/4	2,074.06

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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



BARGE "KIRBY 29062"

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	2,066.93	0	1,724.95	0	1,382.97	0	1,041.07	0	701.67	0	384.61	0	99.84	0		0			
1/4	2,059.81	1/4	1,717.83	1/4	1,375.85	1/4	1,033.97	1/4	694.75	1/4	378.38	1/4	94.27	1/4		1/4			
1/2	2,052.68	1/2	1,710.70	1/2	1,368.72	1/2	1,026.87	1/2	687.84	1/2	372.14	1/2	88.70	1/2		1/2			
3/4	2,045.56	3/4	1,703.58	3/4	1,361.60	3/4	1,019.77	3/4	680.92	3/4	365.90	3/4	83.13	3/4		3/4			
1	2,038.43	1	1,696.45	1	1,354.47	1	1,012.68	1	674.01	1	359.66	1	77.56	1		1			
1/4	2,031.31	1/4	1,689.33	1/4	1,347.35	1/4	1,005.58	1/4	667.15	1/4	353.48	1/4	72.05	1/4		1/4			
1/2	2,024.18	1/2	1,682.20	1/2	1,340.22	1/2	998.49	1/2	660.29	1/2	347.29	1/2	66.54	1/2		1/2			
3/4	2,017.06	3/4	1,675.08	3/4	1,333.10	3/4	991.39	3/4	653.43	3/4	341.11	3/4	61.02	3/4		3/4			
2	2,009.94	2	1,667.95	2	1,325.97	2	984.30	2	646.57	2	334.93	2	55.51	2		2			
1/4	2,002.81	1/4	1,660.83	1/4	1,318.85	1/4	977.21	1/4	639.77	1/4	328.80	1/4	50.05	1/4		1/4			
1/2	1,995.69	1/2	1,653.71	1/2	1,311.72	1/2	970.11	1/2	632.97	1/2	322.68	1/2	44.59	1/2		1/2			
3/4	1,988.56	3/4	1,646.58	3/4	1,304.60	3/4	963.02	3/4	626.17	3/4	316.55	3/4	39.13	3/4		3/4			
3	1,981.44	3	1,639.46	3	1,297.48	3	955.93	3	619.37	3	310.42	3	33.68	3		3			
1/4	1,974.31	1/4	1,632.33	1/4	1,290.35	1/4	948.83	1/4	612.62	1/4	304.35	1/4	28.94	1/4		1/4			
1/2	1,967.19	1/2	1,625.21	1/2	1,283.23	1/2	941.74	1/2	605.87	1/2	298.28	1/2	24.21	1/2		1/2			
3/4	1,960.06	3/4	1,618.08	3/4	1,276.10	3/4	934.65	3/4	599.13	3/4	292.21	3/4	19.48	3/4		3/4			
4	1,952.94	4	1,610.96	4	1,268.98	4	927.56	4	592.38	4	286.14	4	14.74	4		4			
1/4	1,945.81	1/4	1,603.83	1/4	1,261.85	1/4	920.46	1/4	585.69	1/4	280.12	1/4	11.62	1/4		1/4			
1/2	1,938.69	1/2	1,596.71	1/2	1,254.73	1/2	913.37	1/2	579.00	1/2	274.10	1/2	8.50	1/2		1/2			
3/4	1,931.56	3/4	1,589.58	3/4	1,247.60	3/4	906.28	3/4	572.31	3/4	268.09	3/4	5.38	3/4		3/4			
5	1,924.44	5	1,582.46	5	1,240.48	5	899.18	5	565.62	5	262.07	5	2.26	5		5			
1/4	1,917.32	1/4	1,575.33	1/4	1,233.35	1/4	892.09	1/4	558.98	1/4	256.11	1/4		1/4		1/4			
1/2	1,910.19	1/2	1,568.21	1/2	1,226.23	1/2	885.00	1/2	552.35	1/2	250.15	1/2		1/2		1/2			
3/4	1,903.07	3/4	1,561.09	3/4	1,219.10	3/4	877.91	3/4	545.72	3/4	244.18	3/4		3/4		3/4			
6	1,895.94	6	1,553.96	6	1,211.98	6	870.81	6	539.08	6	238.22	6		6		6			
1/4	1,888.82	1/4	1,546.84	1/4	1,204.86	1/4	863.72	1/4	532.50	1/4	232.32	1/4		1/4		1/4			
1/2	1,881.69	1/2	1,539.71	1/2	1,197.73	1/2	856.63	1/2	525.92	1/2	226.41	1/2		1/2		1/2			
3/4	1,874.57	3/4	1,532.59	3/4	1,190.61	3/4	849.53	3/4	519.35	3/4	220.50	3/4		3/4		3/4			
7	1,867.44	7	1,525.46	7	1,183.48	7	842.44	7	512.77	7	214.60	7		7		7			
1/4	1,860.32	1/4	1,518.34	1/4	1,176.36	1/4	835.35	1/4	506.25	1/4	208.75	1/4		1/4		1/4			
1/2	1,853.19	1/2	1,511.21	1/2	1,169.23	1/2	828.26	1/2	499.72	1/2	202.90	1/2		1/2		1/2			
3/4	1,846.07	3/4	1,504.09	3/4	1,162.11	3/4	821.16	3/4	493.20	3/4	197.05	3/4		3/4		3/4			
8	1,838.94	8	1,496.96	8	1,154.98	8	814.07	8	486.68	8	191.20	8		8		8			
1/4	1,831.82	1/4	1,489.84	1/4	1,147.86	1/4	806.98	1/4	480.21	1/4	185.41	1/4		1/4		1/4			
1/2	1,824.70	1/2	1,482.71	1/2	1,140.73	1/2	799.89	1/2	473.75	1/2	179.61	1/2		1/2		1/2			
3/4	1,817.57	3/4	1,475.59	3/4	1,133.61	3/4	792.79	3/4	467.29	3/4	173.82	3/4		3/4		3/4			
9	1,810.45	9	1,468.47	9	1,126.48	9	785.70	9	460.82	9	168.02	9		9		9			
1/4	1,803.32	1/4	1,461.34	1/4	1,119.36	1/4	778.65	1/4	454.42	1/4	162.29	1/4		1/4		1/4			
1/2	1,796.20	1/2	1,454.22	1/2	1,112.24	1/2	771.60	1/2	448.01	1/2	156.55	1/2		1/2		1/2			
3/4	1,789.07	3/4	1,447.09	3/4	1,105.11	3/4	764.55	3/4	441.60	3/4	150.81	3/4		3/4		3/4			
10	1,781.95	10	1,439.97	10	1,097.99	10	757.50	10	435.20	10	145.07	10		10		10			
1/4	1,774.82	1/4	1,432.84	1/4	1,090.86	1/4	750.50	1/4	428.65	1/4	139.39	1/4		1/4		1/4			
1/2	1,767.70	1/2	1,425.72	1/2	1,083.74	1/2	743.51	1/2	422.49	1/2	133.71	1/2		1/2		1/2			
3/4	1,760.57	3/4	1,418.59	3/4	1,076.61	3/4	736.51	3/4	416.14	3/4	128.03	3/4		3/4		3/4			
11	1,753.45	11	1,411.47	11	1,069.49	11	729.52	11	409.79	11	122.35	11		11		11			
1/4	1,746.33	1/4	1,404.34	1/4	1,062.38	1/4	722.56	1/4	403.50	1/4	116.72	1/4		1/4		1/4			
1/2	1,739.20	1/2	1,397.22	1/2	1,055.28	1/2	715.59	1/2	397.20	1/2	111.09	1/2		1/2		1/2			
3/4	1,732.08	3/4	1,390.10	3/4	1,048.17	3/4	708.63	3/4	390.91	3/4	105.47	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/29/2016 SW
CALCULATED: 12/30/2016 CL
PRINTED: 12/30/2016 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2016

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



BARGE "KIRBY 29062"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN			
0		0		0		0	4,382.77	0	4,084.75	0	3,786.38	0	3,428.35	0	3,087.10	0	2,745.86	0	2,404.61		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,376.51	1/4	4,078.32	1/4	3,759.51	1/4	3,421.24	1/4	3,079.99	1/4	2,738.75	1/4	2,397.50		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,370.25	1/2	4,071.89	1/2	3,752.63	1/2	3,414.13	1/2	3,072.89	1/2	2,731.64	1/2	2,390.39		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,364.00	3/4	4,065.46	3/4	3,745.76	3/4	3,407.02	3/4	3,065.78	3/4	2,724.53	3/4	2,383.28		
1		1		1		1	4,357.74	1	4,059.03	1	3,738.88	1	3,399.91	1	3,058.67	1	2,717.42	1	2,376.17		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,351.72	1/4	4,052.57	1/4	3,731.97	1/4	3,392.80	1/4	3,051.56	1/4	2,710.31	1/4	2,369.06		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,345.71	1/2	4,046.10	1/2	3,725.06	1/2	3,385.69	1/2	3,044.45	1/2	2,703.20	1/2	2,361.96		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,339.70	3/4	4,039.64	3/4	3,718.15	3/4	3,378.59	3/4	3,037.34	3/4	2,696.09	3/4	2,354.85		
2		2		2		2	4,333.68	2	4,033.17	2	3,711.24	2	3,371.48	2	3,030.23	2	2,688.98	2	2,347.74		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,327.63	1/4	4,026.67	1/4	3,704.29	1/4	3,364.37	1/4	3,023.12	1/4	2,681.87	1/4	2,340.63		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,321.58	1/2	4,020.17	1/2	3,697.34	1/2	3,357.26	1/2	3,016.01	1/2	2,674.76	1/2	2,333.52		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,315.53	3/4	4,013.66	3/4	3,690.39	3/4	3,350.15	3/4	3,008.90	3/4	2,667.66	3/4	2,326.41		
3		3		3		3	4,309.48	3	4,007.16	3	3,683.44	3	3,343.04	3	3,001.79	3	2,660.55	3	2,319.30		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,303.39	1/4	4,000.62	1/4	3,676.44	1/4	3,335.93	1/4	2,994.68	1/4	2,653.44	1/4	2,312.19		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,297.30	1/2	3,994.08	1/2	3,669.44	1/2	3,328.82	1/2	2,987.57	1/2	2,646.33	1/2	2,305.08		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,291.21	3/4	3,987.54	3/4	3,662.44	3/4	3,321.71	3/4	2,980.46	3/4	2,639.22	3/4	2,297.97		
4		4		4		4	4,285.11	4	3,981.00	4	3,655.44	4	3,314.60	4	2,973.36	4	2,632.11	4	2,290.86		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,278.98	1/4	3,974.43	1/4	3,648.39	1/4	3,307.49	1/4	2,966.25	1/4	2,625.00	1/4	2,283.75		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,272.85	1/2	3,967.85	1/2	3,641.35	1/2	3,300.38	1/2	2,959.14	1/2	2,617.89	1/2	2,276.64		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,266.72	3/4	3,961.27	3/4	3,634.31	3/4	3,293.27	3/4	2,952.03	3/4	2,610.78	3/4	2,269.53		
5		5		5		5	4,260.59	5	3,954.89	5	3,627.26	5	3,286.16	5	2,944.92	5	2,603.67	5	2,262.43		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,254.42	1/4	3,948.08	1/4	3,620.18	1/4	3,279.06	1/4	2,937.81	1/4	2,596.56	1/4	2,255.32		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,248.25	1/2	3,941.47	1/2	3,613.10	1/2	3,271.95	1/2	2,930.70	1/2	2,589.45	1/2	2,248.21		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,242.08	3/4	3,934.85	3/4	3,606.02	3/4	3,264.84	3/4	2,923.59	3/4	2,582.34	3/4	2,241.10		
6		6		6		6	4,235.91	6	3,928.24	6	3,598.94	6	3,257.73	6	2,916.48	6	2,575.23	6	2,233.99		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,229.71	1/4	3,921.59	1/4	3,591.84	1/4	3,250.62	1/4	2,909.37	1/4	2,568.13	1/4	2,226.88		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,223.50	1/2	3,914.94	1/2	3,584.74	1/2	3,243.51	1/2	2,902.26	1/2	2,561.02	1/2	2,219.77		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,217.30	3/4	3,908.28	3/4	3,577.64	3/4	3,236.40	3/4	2,895.15	3/4	2,553.91	3/4	2,212.66		
7		7		7		7	4,517.63	7	4,211.09	7	3,901.63	7	3,570.54	7	3,229.29	7	2,888.04	7	2,546.80	7	2,205.55
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,511.97	1/4	4,204.85	1/4	3,894.94	1/4	3,563.43	1/4	3,222.18	1/4	2,880.93	1/4	2,539.69	1/4	2,198.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,506.31	1/2	4,198.60	1/2	3,888.26	1/2	3,556.32	1/2	3,215.07	1/2	2,873.83	1/2	2,532.58	1/2	2,191.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,500.66	3/4	4,192.36	3/4	3,881.57	3/4	3,549.21	3/4	3,207.96	3/4	2,866.72	3/4	2,525.47	3/4	2,184.22
8		8		8		8	4,495.00	8	4,186.12	8	3,874.88	8	3,542.10	8	3,200.85	8	2,859.61	8	2,518.36	8	2,177.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,488.18	1/4	4,179.84	1/4	3,868.15	1/4	3,534.99	1/4	3,193.74	1/4	2,852.50	1/4	2,511.25	1/4	2,170.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,481.37	1/2	4,173.56	1/2	3,861.43	1/2	3,527.88	1/2	3,186.63	1/2	2,845.39	1/2	2,504.14	1/2	2,162.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,474.56	3/4	4,167.28	3/4	3,854.70	3/4	3,520.77	3/4	3,179.53	3/4	2,838.28	3/4	2,497.03	3/4	2,155.79
9		9		9		9	4,467.74	9	4,161.00	9	3,847.98	9	3,513.66	9	3,172.42	9	2,831.17	9	2,489.92	9	2,148.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,460.66	1/4	4,154.68	1/4	3,841.21	1/4	3,506.55	1/4	3,165.31	1/4	2,824.06	1/4	2,482.81	1/4	2,141.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,453.58	1/2	4,148.37	1/2	3,834.45	1/2	3,499.44	1/2	3,158.20	1/2	2,816.95	1/2	2,475.70	1/2	2,134.46
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,446.50	3/4	4,142.05	3/4	3,827.69	3/4	3,492.33	3/4	3,151.09	3/4	2,809.84	3/4	2,468.60	3/4	2,127.35
10		10		10		10	4,439.42	10	4,135.73	10	3,820.93	10	3,485.22	10	3,143.98	10	2,802.73	10	2,461.49	10	2,120.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,432.34	1/4	4,129.38	1/4	3,814.13	1/4	3,478.12	1/4	3,136.87	1/4	2,795.62	1/4	2,454.38	1/4	2,113.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,425.26	1/2	4,123.02	1/2	3,807.33	1/2	3,471.01	1/2	3,129.76	1/2	2,788.61	1/2	2,447.27	1/2	2,106.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,418.18	3/4	4,116.67	3/4	3,800.53	3/4	3,463.90	3/4	3,122.65	3/4	2,781.40	3/4	2,440.16	3/4	2,098.91
11		11		11		11	4,411.10	11	4,110.31	11	3,793.73	11	3,456.79	11	3,115.54	11	2,774.29	11	2,433.05	11	2,091.80
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,404.02	1/4	4,103.92	1/4	3,786.89	1/4	3,449.68	1/4	3,108.43	1/4	2,767.19	1/4	2,425.94	1/4	2,084.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,396.93	1/2	4,097.53	1/2	3,780.05	1/2	3,442.57	1/2	3,101.32	1/2	2,760.08	1/2	2,418.83	1/2	2,077.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,389.85	3/4	4,091.14	3/4	3,773.22	3/4	3,435.46	3/4	3,094.21	3/4	2,752.97	3/4	2,411.72	3/4	2,070.47

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'-06" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 29062"

1 STBD 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	2,063.36	0	1,722.12	0	1,380.87	0	1,039.63	0	699.56	0	383.30	0	99.40	0	0	0	0	0	0
1/4	2,066.26	1/4	1,715.01	1/4	1,373.76	1/4	1,032.52	1/4	692.66	1/4	377.08	1/4	93.85	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,049.15	1/2	1,707.90	1/2	1,366.65	1/2	1,025.41	1/2	685.76	1/2	370.86	1/2	88.30	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,042.04	3/4	1,700.79	3/4	1,359.54	3/4	1,018.30	3/4	678.86	3/4	364.64	3/4	82.75	3/4	3/4	3/4	3/4	3/4	3/4
1	2,034.93	1	1,693.68	1	1,352.43	1	1,011.19	1	671.96	1	358.42	1	77.20	1	1	1	1	1	1
1/4	2,027.82	1/4	1,686.57	1/4	1,345.33	1/4	1,004.08	1/4	665.12	1/4	352.25	1/4	71.70	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,020.71	1/2	1,679.46	1/2	1,338.22	1/2	996.97	1/2	658.28	1/2	346.09	1/2	66.21	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,013.60	3/4	1,672.35	3/4	1,331.11	3/4	989.86	3/4	651.44	3/4	339.92	3/4	60.72	3/4	3/4	3/4	3/4	3/4	3/4
2	2,006.49	2	1,665.24	2	1,324.00	2	982.75	2	644.59	2	333.76	2	55.22	2	2	2	2	2	2
1/4	1,999.38	1/4	1,658.13	1/4	1,316.89	1/4	975.64	1/4	637.81	1/4	327.65	1/4	49.78	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,992.27	1/2	1,651.03	1/2	1,309.78	1/2	968.53	1/2	631.02	1/2	321.54	1/2	44.34	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,985.16	3/4	1,643.92	3/4	1,302.67	3/4	961.42	3/4	624.24	3/4	315.43	3/4	38.91	3/4	3/4	3/4	3/4	3/4	3/4
3	1,978.05	3	1,636.81	3	1,295.56	3	954.31	3	617.45	3	309.32	3	33.47	3	3	3	3	3	3
1/4	1,970.94	1/4	1,629.70	1/4	1,288.45	1/4	947.20	1/4	610.72	1/4	303.27	1/4	28.75	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,963.83	1/2	1,622.59	1/2	1,281.34	1/2	940.10	1/2	603.99	1/2	297.22	1/2	24.04	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,956.73	3/4	1,615.48	3/4	1,274.23	3/4	932.99	3/4	597.26	3/4	291.16	3/4	19.32	3/4	3/4	3/4	3/4	3/4	3/4
4	1,949.62	4	1,608.37	4	1,267.12	4	925.88	4	590.53	4	285.11	4	14.60	4	4	4	4	4	4
1/4	1,942.51	1/4	1,601.26	1/4	1,260.01	1/4	918.77	1/4	583.85	1/4	279.11	1/4	11.50	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,935.40	1/2	1,594.15	1/2	1,252.90	1/2	911.66	1/2	577.18	1/2	273.11	1/2	8.39	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,928.29	3/4	1,587.04	3/4	1,245.80	3/4	904.55	3/4	570.51	3/4	267.11	3/4	5.29	3/4	3/4	3/4	3/4	3/4	3/4
5	1,921.18	5	1,579.93	5	1,238.69	5	897.44	5	563.83	5	261.11	5	2.18	5	5	5	5	5	5
1/4	1,914.07	1/4	1,572.82	1/4	1,231.58	1/4	890.33	1/4	557.22	1/4	255.17	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,906.96	1/2	1,565.71	1/2	1,224.47	1/2	883.22	1/2	550.60	1/2	249.23	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,899.85	3/4	1,558.60	3/4	1,217.36	3/4	876.11	3/4	543.98	3/4	243.28	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	1,892.74	6	1,551.50	6	1,210.25	6	869.00	6	537.36	6	237.34	6		6	6	6	6	6	6
1/4	1,885.63	1/4	1,544.39	1/4	1,203.14	1/4	861.89	1/4	530.80	1/4	231.45	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,878.52	1/2	1,537.28	1/2	1,196.03	1/2	854.78	1/2	524.24	1/2	225.56	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,871.41	3/4	1,530.17	3/4	1,188.92	3/4	847.67	3/4	517.68	3/4	219.67	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,864.30	7	1,523.06	7	1,181.81	7	840.57	7	511.11	7	213.79	7		7	7	7	7	7	7
1/4	1,857.20	1/4	1,515.95	1/4	1,174.70	1/4	833.46	1/4	504.61	1/4	207.95	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,850.09	1/2	1,508.84	1/2	1,167.59	1/2	826.35	1/2	498.10	1/2	202.12	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,842.98	3/4	1,501.73	3/4	1,160.48	3/4	819.24	3/4	491.60	3/4	196.29	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,835.87	8	1,494.62	8	1,153.37	8	812.13	8	485.09	8	190.46	8		8	8	8	8	8	8
1/4	1,828.76	1/4	1,487.51	1/4	1,146.27	1/4	805.02	1/4	478.65	1/4	184.68	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,821.65	1/2	1,480.40	1/2	1,139.16	1/2	797.91	1/2	472.20	1/2	178.91	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,814.54	3/4	1,473.29	3/4	1,132.05	3/4	790.80	3/4	465.75	3/4	173.13	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,807.43	9	1,466.18	9	1,124.94	9	783.69	9	459.31	9	167.36	9		9	9	9	9	9	9
1/4	1,800.32	1/4	1,459.07	1/4	1,117.83	1/4	776.62	1/4	452.92	1/4	161.64	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,793.21	1/2	1,451.97	1/2	1,110.72	1/2	769.56	1/2	446.53	1/2	155.92	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,786.10	3/4	1,444.86	3/4	1,103.61	3/4	762.49	3/4	440.14	3/4	150.20	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,778.99	10	1,437.75	10	1,096.50	10	755.42	10	433.75	10	144.48	10		10	10	10	10	10	10
1/4	1,771.88	1/4	1,430.64	1/4	1,089.39	1/4	748.41	1/4	427.41	1/4	138.82	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,764.77	1/2	1,423.53	1/2	1,082.28	1/2	741.40	1/2	421.08	1/2	133.16	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,757.67	3/4	1,416.42	3/4	1,075.17	3/4	734.39	3/4	414.75	3/4	127.49	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,750.56	11	1,409.31	11	1,068.06	11	727.38	11	408.41	11	121.83	11		11	11	11	11	11	11
1/4	1,743.45	1/4	1,402.20	1/4	1,060.95	1/4	720.42	1/4	402.13	1/4	116.22	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,736.34	1/2	1,395.09	1/2	1,053.84	1/2	713.47	1/2	395.86	1/2	110.62	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,729.23	3/4	1,387.98	3/4	1,046.74	3/4	706.51	3/4	389.58	3/4	105.01	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/29/2016 SW
CALCULATED: 12/30/2016 CL
PRINTED: 12/30/2016 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2016

PRECISION MEASUREMENT
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BARGE "KIRBY 29062"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	5,099.67	0	4,760.92	0	4,397.29	0	4,012.09	0	3,624.11	0	3,236.12	0	2,848.13
1/4		1/4		1/4		1/4	5,092.63	1/4	4,753.61	1/4	4,389.48	1/4	4,004.01	1/4	3,616.02	1/4	3,228.03	1/4	2,840.05
1/2		1/2		1/2		1/2	5,085.88	1/2	4,746.25	1/2	4,381.62	1/2	3,995.93	1/2	3,607.94	1/2	3,219.95	1/2	2,831.96
3/4		3/4		3/4		3/4	5,079.12	3/4	4,738.90	3/4	4,373.76	3/4	3,987.85	3/4	3,599.86	3/4	3,211.87	3/4	2,823.88
1		1		1		1	5,072.37	1	4,731.54	1	4,365.90	1	3,979.76	1	3,591.77	1	3,203.78	1	2,815.80
1/4		1/4		1/4		1/4	5,065.62	1/4	4,724.19	1/4	4,358.04	1/4	3,971.68	1/4	3,583.69	1/4	3,195.70	1/4	2,807.71
1/2		1/2		1/2		1/2	5,058.82	1/2	4,716.79	1/2	4,350.13	1/2	3,963.60	1/2	3,575.61	1/2	3,187.62	1/2	2,799.63
3/4		3/4		3/4		3/4	5,052.02	3/4	4,709.40	3/4	4,342.23	3/4	3,955.51	3/4	3,567.52	3/4	3,179.54	3/4	2,791.55
2		2		2		2	5,045.23	2	4,702.00	2	4,334.33	2	3,947.43	2	3,559.44	2	3,171.45	2	2,783.46
1/4		1/4		1/4		1/4	5,038.43	1/4	4,694.60	1/4	4,326.43	1/4	3,939.35	1/4	3,551.36	1/4	3,163.37	1/4	2,775.38
1/2		1/2		1/2		1/2	5,031.52	1/2	4,687.16	1/2	4,318.47	1/2	3,931.26	1/2	3,543.28	1/2	3,155.29	1/2	2,767.30
3/4		3/4		3/4		3/4	5,024.61	3/4	4,679.72	3/4	4,310.51	3/4	3,923.18	3/4	3,535.19	3/4	3,147.20	3/4	2,759.21
3		3		3		3	5,017.70	3	4,672.29	3	4,302.54	3	3,915.10	3	3,527.11	3	3,139.12	3	2,751.13
1/4		1/4		1/4		1/4	5,010.79	1/4	4,664.85	1/4	4,294.58	1/4	3,907.01	1/4	3,519.03	1/4	3,131.04	1/4	2,743.05
1/2		1/2		1/2		1/2	5,003.81	1/2	4,657.37	1/2	4,286.57	1/2	3,898.93	1/2	3,510.94	1/2	3,122.95	1/2	2,734.97
3/4		3/4		3/4		3/4	4,996.84	3/4	4,649.89	3/4	4,278.56	3/4	3,890.85	3/4	3,502.86	3/4	3,114.87	3/4	2,726.88
4		4		4		4	4,989.86	4	4,642.40	4	4,270.55	4	3,882.77	4	3,494.78	4	3,106.79	4	2,718.80
1/4		1/4		1/4		1/4	4,982.89	1/4	4,634.92	1/4	4,262.54	1/4	3,874.68	1/4	3,486.69	1/4	3,098.70	1/4	2,710.72
1/2		1/2		1/2		1/2	4,975.87	1/2	4,627.40	1/2	4,254.49	1/2	3,866.60	1/2	3,478.61	1/2	3,090.62	1/2	2,702.63
3/4		3/4		3/4		3/4	4,968.85	3/4	4,619.88	3/4	4,246.44	3/4	3,858.52	3/4	3,470.53	3/4	3,082.54	3/4	2,694.55
5		5		5		5	4,961.84	5	4,612.36	5	4,238.39	5	3,850.43	5	3,462.44	5	3,074.46	5	2,686.47
1/4		1/4		1/4		1/4	4,954.82	1/4	4,604.83	1/4	4,230.34	1/4	3,842.35	1/4	3,454.36	1/4	3,066.37	1/4	2,678.38
1/2		1/2		1/2		1/2	4,947.76	1/2	4,597.27	1/2	4,222.26	1/2	3,834.27	1/2	3,446.28	1/2	3,058.29	1/2	2,670.30
3/4		3/4		3/4		3/4	4,940.70	3/4	4,589.70	3/4	4,214.17	3/4	3,826.18	3/4	3,438.19	3/4	3,050.21	3/4	2,662.22
6		6		6	5,277.11	6	4,933.64	6	4,582.14	6	4,206.09	6	3,818.10	6	3,430.11	6	3,042.12	6	2,654.13
1/4		1/4		1/4	5,272.38	1/4	4,926.58	1/4	4,574.67	1/4	4,198.01	1/4	3,810.02	1/4	3,422.03	1/4	3,034.04	1/4	2,646.05
1/2		1/2		1/2	5,266.04	1/2	4,919.48	1/2	4,566.97	1/2	4,189.92	1/2	3,801.93	1/2	3,413.95	1/2	3,025.96	1/2	2,637.97
3/4		3/4		3/4	5,259.69	3/4	4,912.37	3/4	4,559.36	3/4	4,181.84	3/4	3,793.85	3/4	3,405.86	3/4	3,017.87	3/4	2,629.88
7		7		7	5,253.34	7	4,905.27	7	4,551.75	7	4,173.76	7	3,785.77	7	3,397.78	7	3,009.79	7	2,621.80
1/4		1/4		1/4	5,246.99	1/4	4,898.17	1/4	4,544.14	1/4	4,165.67	1/4	3,777.68	1/4	3,389.70	1/4	3,001.71	1/4	2,613.72
1/2		1/2		1/2	5,239.33	1/2	4,891.03	1/2	4,536.49	1/2	4,157.59	1/2	3,769.60	1/2	3,381.61	1/2	2,993.62	1/2	2,605.64
3/4		3/4		3/4	5,231.67	3/4	4,883.88	3/4	4,528.85	3/4	4,149.51	3/4	3,761.52	3/4	3,373.53	3/4	2,985.54	3/4	2,597.55
8		8		8	5,224.01	8	4,876.74	8	4,521.20	8	4,141.42	8	3,753.44	8	3,365.45	8	2,977.46	8	2,589.47
1/4		1/4		1/4	5,216.34	1/4	4,869.59	1/4	4,513.55	1/4	4,133.34	1/4	3,745.35	1/4	3,357.36	1/4	2,969.37	1/4	2,581.39
1/2		1/2		1/2	5,208.38	1/2	4,862.41	1/2	4,505.86	1/2	4,125.26	1/2	3,737.27	1/2	3,349.28	1/2	2,961.29	1/2	2,573.30
3/4		3/4		3/4	5,200.41	3/4	4,855.22	3/4	4,498.16	3/4	4,117.18	3/4	3,729.19	3/4	3,341.20	3/4	2,953.21	3/4	2,565.22
9		9		9	5,192.45	9	4,848.04	9	4,490.47	9	4,109.09	9	3,721.10	9	3,333.11	9	2,945.13	9	2,557.13
1/4		1/4		1/4	5,184.48	1/4	4,840.85	1/4	4,482.78	1/4	4,101.01	1/4	3,713.02	1/4	3,325.03	1/4	2,937.04	1/4	2,549.05
1/2		1/2		1/2	5,176.52	1/2	4,833.62	1/2	4,475.05	1/2	4,092.93	1/2	3,704.94	1/2	3,316.95	1/2	2,928.96	1/2	2,540.96
3/4		3/4		3/4	5,168.55	3/4	4,826.39	3/4	4,467.32	3/4	4,084.84	3/4	3,696.85	3/4	3,308.87	3/4	2,920.88	3/4	2,532.88
10		10		10	5,160.59	10	4,819.17	10	4,459.58	10	4,076.76	10	3,688.77	10	3,300.78	10	2,912.79	10	2,524.79
1/4		1/4		1/4	5,152.62	1/4	4,811.94	1/4	4,451.85	1/4	4,068.68	1/4	3,680.69	1/4	3,292.70	1/4	2,904.71	1/4	2,516.70
1/2		1/2		1/2	5,144.66	1/2	4,804.67	1/2	4,444.07	1/2	4,060.59	1/2	3,672.60	1/2	3,284.62	1/2	2,896.63	1/2	2,508.61
3/4		3/4		3/4	5,136.70	3/4	4,797.40	3/4	4,436.30	3/4	4,052.51	3/4	3,664.52	3/4	3,276.53	3/4	2,888.54	3/4	2,500.52
11		11		11	5,128.73	11	4,790.13	11	4,428.52	11	4,044.43	11	3,656.44	11	3,268.45	11	2,880.46	11	2,492.44
1/4		1/4		1/4	5,120.77	1/4	4,782.86	1/4	4,420.75	1/4	4,036.34	1/4	3,648.36	1/4	3,260.37	1/4	2,872.38	1/4	2,484.35
1/2		1/2		1/2	5,113.73	1/2	4,775.54	1/2	4,412.93	1/2	4,028.26	1/2	3,640.27	1/2	3,252.28	1/2	2,864.29	1/2	2,476.26
3/4		3/4		3/4	5,106.70	3/4	4,768.23	3/4	4,405.11	3/4	4,020.18	3/4	3,632.19	3/4	3,244.20	3/4	2,856.21	3/4	2,468.17

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 29062"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	2,460.09	0	2,071.88	0	1,683.68	0	1,295.47	0	907.97	0	534.03	0	145.95	0		0			
1/4	2,452.00	1/4	2,063.79	1/4	1,675.59	1/4	1,287.38	1/4	900.12	1/4	526.02	1/4	137.86	1/4		1/4			
1/2	2,443.91	1/2	2,055.71	1/2	1,667.50	1/2	1,279.30	1/2	892.34	1/2	517.94	1/2	129.77	1/2		1/2			
3/4	2,435.82	3/4	2,047.62	3/4	1,659.41	3/4	1,271.21	3/4	884.57	3/4	509.85	3/4	121.69	3/4		3/4			
1	2,427.74	1	2,039.53	1	1,651.33	1	1,263.12	1	876.79	1	501.77	1	113.60	1		1			
1/4	2,419.65	1/4	2,031.44	1/4	1,643.24	1/4	1,255.03	1/4	869.01	1/4	493.68	1/4	105.51	1/4		1/4			
1/2	2,411.56	1/2	2,023.36	1/2	1,635.15	1/2	1,246.95	1/2	861.24	1/2	485.60	1/2	97.42	1/2		1/2			
3/4	2,403.47	3/4	2,015.27	3/4	1,627.06	3/4	1,238.86	3/4	853.46	3/4	477.51	3/4	89.34	3/4		3/4			
2	2,395.39	2	2,007.18	2	1,618.98	2	1,230.77	2	845.69	2	469.43	2	81.25	2		2			
1/4	2,387.30	1/4	1,999.09	1/4	1,610.89	1/4	1,222.68	1/4	837.91	1/4	461.35	1/4	73.16	1/4		1/4			
1/2	2,379.21	1/2	1,991.01	1/2	1,602.80	1/2	1,214.60	1/2	830.14	1/2	453.26	1/2	65.07	1/2		1/2			
3/4	2,371.12	3/4	1,982.92	3/4	1,594.71	3/4	1,206.51	3/4	822.36	3/4	445.18	3/4	56.98	3/4		3/4			
3	2,363.04	3	1,974.83	3	1,586.63	3	1,198.42	3	814.59	3	437.09	3	48.89	3		3			
1/4	2,354.95	1/4	1,966.74	1/4	1,578.54	1/4	1,190.33	1/4	806.81	1/4	429.01	1/4	40.80	1/4		1/4			
1/2	2,346.86	1/2	1,958.66	1/2	1,570.45	1/2	1,182.25	1/2	799.03	1/2	420.92	1/2	32.72	1/2		1/2			
3/4	2,338.77	3/4	1,950.57	3/4	1,562.36	3/4	1,174.16	3/4	791.26	3/4	412.84	3/4	24.63	3/4		3/4			
4	2,330.69	4	1,942.48	4	1,554.28	4	1,166.07	4	783.48	4	404.75	4	16.54	4		4			
1/4	2,322.60	1/4	1,934.39	1/4	1,546.19	1/4	1,157.98	1/4	775.71	1/4	396.66	1/4	8.45	1/4		1/4			
1/2	2,314.51	1/2	1,926.31	1/2	1,538.10	1/2	1,149.90	1/2	767.93	1/2	388.57	1/2	0.36	1/2		1/2			
3/4	2,306.42	3/4	1,918.22	3/4	1,530.01	3/4	1,141.81	3/4	760.16	3/4	380.49	3/4		3/4		3/4			
5	2,298.33	5	1,910.13	5	1,521.93	5	1,133.72	5	752.38	5	372.40	5		5		5			
1/4	2,290.25	1/4	1,902.04	1/4	1,513.84	1/4	1,125.63	1/4	744.61	1/4	364.31	1/4		1/4		1/4			
1/2	2,282.16	1/2	1,893.95	1/2	1,505.75	1/2	1,117.55	1/2	736.83	1/2	356.22	1/2		1/2		1/2			
3/4	2,274.07	3/4	1,885.87	3/4	1,497.66	3/4	1,109.46	3/4	729.05	3/4	348.14	3/4		3/4		3/4			
6	2,265.98	6	1,877.78	6	1,489.57	6	1,101.37	6	721.28	6	340.05	6		6		6			
1/4	2,257.90	1/4	1,869.69	1/4	1,481.49	1/4	1,093.28	1/4	713.50	1/4	331.96	1/4		1/4		1/4			
1/2	2,249.81	1/2	1,861.60	1/2	1,473.40	1/2	1,085.19	1/2	705.73	1/2	323.87	1/2		1/2		1/2			
3/4	2,241.72	3/4	1,853.52	3/4	1,465.31	3/4	1,077.11	3/4	697.95	3/4	315.79	3/4		3/4		3/4			
7	2,233.63	7	1,845.43	7	1,457.22	7	1,069.02	7	690.18	7	307.70	7		7		7			
1/4	2,225.55	1/4	1,837.34	1/4	1,449.14	1/4	1,060.93	1/4	682.40	1/4	299.61	1/4		1/4		1/4			
1/2	2,217.46	1/2	1,829.25	1/2	1,441.05	1/2	1,052.84	1/2	674.63	1/2	291.52	1/2		1/2		1/2			
3/4	2,209.37	3/4	1,821.17	3/4	1,432.96	3/4	1,044.76	3/4	666.85	3/4	283.44	3/4		3/4		3/4			
8	2,201.28	8	1,813.08	8	1,424.87	8	1,036.67	8	659.08	8	275.35	8		8		8			
1/4	2,193.20	1/4	1,804.99	1/4	1,416.79	1/4	1,028.58	1/4	651.31	1/4	267.26	1/4		1/4		1/4			
1/2	2,185.11	1/2	1,796.90	1/2	1,408.70	1/2	1,020.49	1/2	643.54	1/2	259.17	1/2		1/2		1/2			
3/4	2,177.02	3/4	1,788.82	3/4	1,400.61	3/4	1,012.41	3/4	635.76	3/4	251.09	3/4		3/4		3/4			
9	2,168.93	9	1,780.73	9	1,392.52	9	1,004.32	9	627.99	9	243.00	9		9		9			
1/4	2,160.85	1/4	1,772.64	1/4	1,384.44	1/4	996.23	1/4	620.22	1/4	234.91	1/4		1/4		1/4			
1/2	2,152.76	1/2	1,764.55	1/2	1,376.35	1/2	988.14	1/2	612.45	1/2	226.82	1/2		1/2		1/2			
3/4	2,144.67	3/4	1,756.47	3/4	1,368.26	3/4	980.06	3/4	604.68	3/4	218.74	3/4		3/4		3/4			
10	2,136.58	10	1,748.38	10	1,360.17	10	971.97	10	596.90	10	210.65	10		10		10			
1/4	2,128.50	1/4	1,740.29	1/4	1,352.09	1/4	963.88	1/4	589.13	1/4	202.56	1/4		1/4		1/4			
1/2	2,120.41	1/2	1,732.20	1/2	1,344.00	1/2	955.79	1/2	581.36	1/2	194.47	1/2		1/2		1/2			
3/4	2,112.32	3/4	1,724.12	3/4	1,335.91	3/4	947.71	3/4	573.59	3/4	186.39	3/4		3/4		3/4			
11	2,104.23	11	1,716.03	11	1,327.82	11	939.62	11	565.82	11	178.30	11		11		11			
1/4	2,096.14	1/4	1,707.94	1/4	1,319.74	1/4	931.53	1/4	558.04	1/4	170.21	1/4		1/4		1/4			
1/2	2,088.06	1/2	1,699.85	1/2	1,311.65	1/2	923.68	1/2	550.04	1/2	162.12	1/2		1/2		1/2			
3/4	2,079.97	3/4	1,691.76	3/4	1,303.56	3/4	915.82	3/4	542.03	3/4	154.04	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/29/2016 SW
CALCULATED: 12/30/2016 CL
PRINTED: 12/30/2016 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2016

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



BARGE "KIRBY 29062"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN			
0		0		0		0	5,120.04	0	4,782.51	0	4,420.55	0	4,036.56	0	3,649.21	0	3,261.85	0	2,874.50		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,113.02	1/4	4,775.21	1/4	4,412.74	1/4	4,028.49	1/4	3,641.14	1/4	3,253.78	1/4	2,866.43		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,106.00	1/2	4,767.91	1/2	4,404.94	1/2	4,020.42	1/2	3,633.07	1/2	3,245.71	1/2	2,858.36		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,098.98	3/4	4,760.61	3/4	4,397.13	3/4	4,012.35	3/4	3,625.00	3/4	3,237.64	3/4	2,850.29		
1		1		1		1	5,092.24	1	4,753.27	1	4,389.29	1	4,004.28	1	3,616.93	1	3,229.57	1	2,842.22		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,085.50	1/4	4,745.93	1/4	4,381.44	1/4	3,996.21	1/4	3,608.86	1/4	3,221.50	1/4	2,834.15		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,078.75	1/2	4,738.59	1/2	4,373.59	1/2	3,988.14	1/2	3,600.79	1/2	3,213.43	1/2	2,826.08		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,072.01	3/4	4,731.25	3/4	4,365.75	3/4	3,980.08	3/4	3,592.72	3/4	3,205.36	3/4	2,818.01		
2		2		2		2	5,065.23	2	4,723.87	2	4,357.86	2	3,972.01	2	3,584.65	2	3,197.29	2	2,809.94		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,058.45	1/4	4,716.48	1/4	4,349.97	1/4	3,963.94	1/4	3,576.58	1/4	3,189.22	1/4	2,801.87		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,051.67	1/2	4,709.10	1/2	4,342.08	1/2	3,955.87	1/2	3,568.51	1/2	3,181.16	1/2	2,793.80		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,044.88	3/4	4,701.72	3/4	4,334.20	3/4	3,947.80	3/4	3,560.44	3/4	3,173.09	3/4	2,785.73		
3		3		3		3	5,037.99	3	4,694.29	3	4,326.25	3	3,939.73	3	3,552.37	3	3,165.02	3	2,777.66		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,031.09	1/4	4,686.87	1/4	4,318.30	1/4	3,931.66	1/4	3,544.30	1/4	3,156.95	1/4	2,769.59		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,024.20	1/2	4,679.44	1/2	4,310.35	1/2	3,923.59	1/2	3,536.23	1/2	3,148.88	1/2	2,761.52		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,017.30	3/4	4,672.02	3/4	4,302.40	3/4	3,915.52	3/4	3,528.16	3/4	3,140.81	3/4	2,753.45		
4		4		4		4	5,010.34	4	4,664.55	4	4,294.41	4	3,907.45	4	3,520.09	4	3,132.74	4	2,745.38		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,003.38	1/4	4,657.08	1/4	4,286.41	1/4	3,899.38	1/4	3,512.02	1/4	3,124.67	1/4	2,737.31		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,996.41	1/2	4,649.62	1/2	4,278.42	1/2	3,891.31	1/2	3,503.95	1/2	3,116.60	1/2	2,729.24		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,989.45	3/4	4,642.15	3/4	4,270.42	3/4	3,883.24	3/4	3,495.88	3/4	3,108.53	3/4	2,721.17		
5		5		5		5	4,982.45	5	4,634.64	5	4,262.38	5	3,875.17	5	3,487.81	5	3,100.46	5	2,713.10		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,975.45	1/4	4,627.13	1/4	4,254.34	1/4	3,867.10	1/4	3,479.74	1/4	3,092.39	1/4	2,705.03		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,968.44	1/2	4,619.62	1/2	4,246.30	1/2	3,859.03	1/2	3,471.67	1/2	3,084.32	1/2	2,696.96		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,961.44	3/4	4,612.11	3/4	4,238.27	3/4	3,850.96	3/4	3,463.60	3/4	3,076.25	3/4	2,688.89		
6		6		6		6	4,954.39	6	4,604.56	6	4,230.21	6	3,842.89	6	3,455.53	6	3,068.18	6	2,680.82		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,947.35	1/4	4,597.01	1/4	4,222.15	1/4	3,834.82	1/4	3,447.46	1/4	3,060.11	1/4	2,672.75		
1/2	1/2	1/2	1/2	1/2	1/2	5,283.13	4,940.30	1/2	4,589.46	1/2	4,214.09	1/2	3,826.75	1/2	3,439.39	1/2	3,052.04	1/2	2,664.68		
3/4	3/4	3/4	3/4	3/4	3/4	4,933.25	4,581.91	3/4	4,206.03	3/4	3,818.68	3/4	3,431.32	3/4	3,043.97	3/4	3,043.97	3/4	2,656.61		
7		7		7		7	5,272.08	7	4,926.17	7	4,574.31	7	4,197.96	7	3,810.61	7	3,423.25	7	3,035.90	7	2,648.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,265.74	1/4	4,919.08	1/4	4,566.72	1/4	4,189.89	1/4	3,802.54	1/4	3,415.18	1/4	3,027.83	1/4	2,640.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,259.40	1/2	4,911.99	1/2	4,559.12	1/2	4,181.82	1/2	3,794.47	1/2	3,407.11	1/2	3,019.76	1/2	2,632.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,253.07	3/4	4,904.90	3/4	4,551.53	3/4	4,173.75	3/4	3,786.40	3/4	3,399.04	3/4	3,011.69	3/4	2,624.33
8		8		8		8	5,245.42	8	4,897.77	8	4,543.90	8	4,165.68	8	3,778.33	8	3,390.97	8	3,003.62	8	2,616.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,237.77	1/4	4,890.64	1/4	4,536.26	1/4	4,157.61	1/4	3,770.26	1/4	3,382.90	1/4	2,995.55	1/4	2,608.19
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,230.12	1/2	4,883.51	1/2	4,528.62	1/2	4,149.54	1/2	3,762.19	1/2	3,374.83	1/2	2,987.48	1/2	2,600.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,222.47	3/4	4,876.38	3/4	4,520.99	3/4	4,141.47	3/4	3,754.12	3/4	3,366.76	3/4	2,979.41	3/4	2,592.05
9		9		9		9	5,214.52	9	4,869.21	9	4,513.31	9	4,133.40	9	3,746.05	9	3,358.69	9	2,971.34	9	2,583.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,206.57	1/4	4,862.04	1/4	4,505.63	1/4	4,125.33	1/4	3,737.98	1/4	3,350.62	1/4	2,963.27	1/4	2,575.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,198.62	1/2	4,854.86	1/2	4,497.96	1/2	4,117.26	1/2	3,729.91	1/2	3,342.55	1/2	2,955.20	1/2	2,567.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,190.66	3/4	4,847.69	3/4	4,490.28	3/4	4,109.19	3/4	3,721.84	3/4	3,334.48	3/4	2,947.13	3/4	2,559.75
10		10		10		10	5,182.71	10	4,840.48	10	4,482.56	10	4,101.12	10	3,713.77	10	3,326.41	10	2,939.06	10	2,551.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,174.76	1/4	4,833.26	1/4	4,474.84	1/4	4,093.05	1/4	3,705.70	1/4	3,318.34	1/4	2,930.99	1/4	2,543.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,166.81	1/2	4,826.05	1/2	4,467.12	1/2	4,084.96	1/2	3,697.63	1/2	3,310.27	1/2	2,922.92	1/2	2,535.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,158.86	3/4	4,818.83	3/4	4,459.40	3/4	4,076.91	3/4	3,689.56	3/4	3,302.20	3/4	2,914.85	3/4	2,527.46
11		11		11		11	5,150.91	11	4,811.58	11	4,451.64	11	4,068.84	11	3,681.49	11	3,294.13	11	2,906.78	11	2,519.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,142.96	1/4	4,804.32	1/4	4,443.87	1/4	4,060.77	1/4	3,673.42	1/4	3,286.06	1/4	2,898.71	1/4	2,511.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,135.01	1/2	4,797.06	1/2	4,436.11	1/2	4,052.70	1/2	3,665.35	1/2	3,277.99	1/2	2,890.64	1/2	2,503.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,127.05	3/4	4,789.81	3/4	4,428.35	3/4	4,044.63	3/4	3,657.28	3/4	3,269.92	3/4	2,882.57	3/4	2,495.16

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 77598
<http://www.pmacorp.net>



BARGE "KIRBY 29062"

2 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	2,487.09	0	2,099.53	0	1,711.97	0	1,324.42	0	936.86	0	549.36	0	161.86	0	0	0	0	0	0
1/4	2,479.01	1/4	2,091.46	1/4	1,703.90	1/4	1,316.34	1/4	928.79	1/4	541.29	1/4	153.78	1/4		1/4		1/4	
1/2	2,470.94	1/2	2,083.38	1/2	1,695.83	1/2	1,308.27	1/2	920.71	1/2	533.22	1/2	145.71	1/2		1/2		1/2	
3/4	2,462.87	3/4	2,075.31	3/4	1,687.75	3/4	1,300.20	3/4	912.64	3/4	525.15	3/4	137.63	3/4		3/4		3/4	
1	2,454.79	1	2,067.23	1	1,679.68	1	1,292.12	1	904.56	1	517.08	1	129.56	1		1		1	
1 1/4	2,446.72	1 1/4	2,059.16	1 1/4	1,671.60	1 1/4	1,284.05	1 1/4	896.49	1 1/4	509.01	1 1/4	121.49	1 1/4		1 1/4		1 1/4	
1 1/2	2,438.64	1 1/2	2,051.09	1 1/2	1,663.53	1 1/2	1,275.97	1 1/2	888.42	1 1/2	500.93	1 1/2	113.41	1 1/2		1 1/2		1 1/2	
3/4	2,430.57	3/4	2,043.01	3/4	1,655.46	3/4	1,267.90	3/4	880.34	3/4	492.86	3/4	105.34	3/4		3/4		3/4	
2	2,422.50	2	2,034.94	2	1,647.38	2	1,259.82	2	872.27	2	484.79	2	97.26	2		2		2	
1 1/4	2,414.42	1 1/4	2,026.86	1 1/4	1,639.31	1 1/4	1,251.75	1 1/4	864.19	1 1/4	476.72	1 1/4	89.19	1 1/4		1 1/4		1 1/4	
1 1/2	2,406.35	1 1/2	2,018.79	1 1/2	1,631.23	1 1/2	1,243.68	1 1/2	856.12	1 1/2	468.65	1 1/2	81.11	1 1/2		1 1/2		1 1/2	
3/4	2,398.27	3/4	2,010.72	3/4	1,623.16	3/4	1,235.60	3/4	848.05	3/4	460.58	3/4	73.04	3/4		3/4		3/4	
3	2,390.20	3	2,002.64	3	1,615.09	3	1,227.53	3	839.97	3	452.51	3	65.72	3		3		3	
1 1/4	2,382.12	1 1/4	1,994.57	1 1/4	1,607.01	1 1/4	1,219.45	1 1/4	831.90	1 1/4	444.44	1 1/4	58.41	1 1/4		1 1/4		1 1/4	
1 1/2	2,374.05	1 1/2	1,986.49	1 1/2	1,598.94	1 1/2	1,211.38	1 1/2	823.82	1 1/2	436.37	1 1/2	51.09	1 1/2		1 1/2		1 1/2	
3/4	2,365.98	3/4	1,978.42	3/4	1,590.86	3/4	1,203.31	3/4	815.75	3/4	428.30	3/4	43.77	3/4		3/4		3/4	
4	2,357.90	4	1,970.35	4	1,582.79	4	1,195.23	4	807.68	4	420.23	4	38.22	4		4		4	
1 1/4	2,349.83	1 1/4	1,962.27	1 1/4	1,574.71	1 1/4	1,187.16	1 1/4	799.60	1 1/4	412.15	1 1/4	32.67	1 1/4		1 1/4		1 1/4	
1 1/2	2,341.75	1 1/2	1,954.20	1 1/2	1,566.64	1 1/2	1,179.08	1 1/2	791.53	1 1/2	404.08	1 1/2	27.12	1 1/2		1 1/2		1 1/2	
3/4	2,333.68	3/4	1,946.12	3/4	1,558.57	3/4	1,171.01	3/4	783.45	3/4	396.01	3/4	21.57	3/4		3/4		3/4	
5	2,325.61	5	1,938.05	5	1,550.49	5	1,162.94	5	775.38	5	387.93	5		5		5		5	
1 1/4	2,317.53	1 1/4	1,929.97	1 1/4	1,542.42	1 1/4	1,154.86	1 1/4	767.30	1 1/4	379.86	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,309.46	1 1/2	1,921.90	1 1/2	1,534.34	1 1/2	1,146.79	1 1/2	759.23	1 1/2	371.79	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,301.38	3/4	1,913.83	3/4	1,526.27	3/4	1,138.71	3/4	751.16	3/4	363.71	3/4		3/4		3/4		3/4	
6	2,293.31	6	1,905.75	6	1,518.20	6	1,130.64	6	743.08	6	355.64	6		6		6		6	
1 1/4	2,285.24	1 1/4	1,897.68	1 1/4	1,510.12	1 1/4	1,122.56	1 1/4	735.01	1 1/4	347.56	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,277.16	1 1/2	1,889.60	1 1/2	1,502.05	1 1/2	1,114.49	1 1/2	726.93	1 1/2	339.49	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,269.09	3/4	1,881.53	3/4	1,493.97	3/4	1,106.42	3/4	718.86	3/4	331.42	3/4		3/4		3/4		3/4	
7	2,261.01	7	1,873.46	7	1,485.90	7	1,098.34	7	710.79	7	323.34	7		7		7		7	
1 1/4	2,252.94	1 1/4	1,865.38	1 1/4	1,477.83	1 1/4	1,090.27	1 1/4	702.71	1 1/4	315.27	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,244.86	1 1/2	1,857.31	1 1/2	1,469.75	1 1/2	1,082.19	1 1/2	694.64	1 1/2	307.19	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,236.79	3/4	1,849.23	3/4	1,461.68	3/4	1,074.12	3/4	686.56	3/4	299.12	3/4		3/4		3/4		3/4	
8	2,228.72	8	1,841.16	8	1,453.60	8	1,066.05	8	678.49	8	291.04	8		8		8		8	
1 1/4	2,220.64	1 1/4	1,833.09	1 1/4	1,445.53	1 1/4	1,057.97	1 1/4	670.42	1 1/4	282.97	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,212.57	1 1/2	1,825.01	1 1/2	1,437.45	1 1/2	1,049.90	1 1/2	662.35	1 1/2	274.90	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,204.49	3/4	1,816.94	3/4	1,429.38	3/4	1,041.82	3/4	654.28	3/4	266.82	3/4		3/4		3/4		3/4	
9	2,196.42	9	1,808.86	9	1,421.31	9	1,033.75	9	646.21	9	258.75	9		9		9		9	
1 1/4	2,188.35	1 1/4	1,800.79	1 1/4	1,413.23	1 1/4	1,025.68	1 1/4	638.14	1 1/4	250.67	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,180.27	1 1/2	1,792.72	1 1/2	1,405.16	1 1/2	1,017.60	1 1/2	630.07	1 1/2	242.60	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,172.20	3/4	1,784.64	3/4	1,397.08	3/4	1,009.53	3/4	622.00	3/4	234.52	3/4		3/4		3/4		3/4	
10	2,164.12	10	1,776.57	10	1,389.01	10	1,001.45	10	613.93	10	226.45	10		10		10		10	
1 1/4	2,156.05	1 1/4	1,768.49	1 1/4	1,380.94	1 1/4	993.38	1 1/4	605.86	1 1/4	218.38	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,147.98	1 1/2	1,760.42	1 1/2	1,372.86	1 1/2	985.31	1 1/2	597.78	1 1/2	210.30	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,139.90	3/4	1,752.34	3/4	1,364.79	3/4	977.23	3/4	589.71	3/4	202.23	3/4		3/4		3/4		3/4	
11	2,131.83	11	1,744.27	11	1,356.71	11	969.16	11	581.64	11	194.15	11		11		11		11	
1 1/4	2,123.75	1 1/4	1,736.20	1 1/4	1,348.64	1 1/4	961.08	1 1/4	573.57	1 1/4	186.08	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,115.68	1 1/2	1,728.12	1 1/2	1,340.57	1 1/2	953.01	1 1/2	565.50	1 1/2	178.01	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,107.61	3/4	1,720.05	3/4	1,332.49	3/4	944.93	3/4	557.43	3/4	169.93	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/29/2016 SW
CALCULATED: 12/30/2016 CL
PRINTED: 12/30/2016 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2016

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



BARGE "KIRBY 29062"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	4,515.76	0	4,259.21	0	3,984.23	0	3,692.30	0	3,388.07	0	3,028.06	0	2,667.52		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,510.42	1/4	4,253.65	1/4	3,978.30	1/4	3,686.16	1/4	3,380.57	1/4	3,020.55	1/4	2,660.01		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,505.08	1/2	4,248.10	1/2	3,972.36	1/2	3,680.02	1/2	3,373.07	1/2	3,013.04	1/2	2,652.50		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,499.74	3/4	4,242.55	3/4	3,966.42	3/4	3,673.88	3/4	3,365.57	3/4	3,005.53	3/4	2,644.99		
1		1		1		1	4,494.40	1	4,237.00	1	3,960.49	1	3,667.74	1	3,358.07	1	2,998.02	1	2,637.48		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,489.27	1/4	4,231.41	1/4	3,954.52	1/4	3,661.60	1/4	3,350.57	1/4	2,990.51	1/4	2,629.97		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,484.15	1/2	4,225.83	1/2	3,948.55	1/2	3,655.47	1/2	3,343.08	1/2	2,983.00	1/2	2,622.45		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,479.02	3/4	4,220.24	3/4	3,942.58	3/4	3,649.33	3/4	3,335.58	3/4	2,975.49	3/4	2,614.94		
2		2		2		2	4,473.89	2	4,214.66	2	3,936.61	2	3,643.19	2	3,328.08	2	2,967.97	2	2,607.43		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,468.73	1/4	4,209.04	1/4	3,930.61	1/4	3,637.05	1/4	3,320.59	1/4	2,960.46	1/4	2,599.92		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,463.57	1/2	4,203.43	1/2	3,924.61	1/2	3,630.91	1/2	3,313.09	1/2	2,952.95	1/2	2,592.41		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,458.41	3/4	4,197.81	3/4	3,918.61	3/4	3,624.77	3/4	3,305.59	3/4	2,945.44	3/4	2,584.90		
3		3		3		3	4,453.25	3	4,192.19	3	3,912.61	3	3,618.63	3	3,298.10	3	2,937.93	3	2,577.39		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,448.01	1/4	4,186.55	1/4	3,906.56	1/4	3,612.49	1/4	3,290.60	1/4	2,930.42	1/4	2,569.88		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,442.76	1/2	4,180.90	1/2	3,900.51	1/2	3,606.35	1/2	3,283.11	1/2	2,922.91	1/2	2,562.36		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,437.51	3/4	4,175.25	3/4	3,894.47	3/4	3,600.21	3/4	3,275.61	3/4	2,915.40	3/4	2,554.85		
4		4		4		4	4,432.27	4	4,169.60	4	3,888.42	4	3,594.07	4	3,268.11	4	2,907.88	4	2,547.34		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,426.97	1/4	4,163.92	1/4	3,882.34	1/4	3,587.93	1/4	3,260.62	1/4	2,900.37	1/4	2,539.83		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,421.68	1/2	4,158.24	1/2	3,876.25	1/2	3,581.79	1/2	3,253.12	1/2	2,892.86	1/2	2,532.32		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,416.38	3/4	4,152.56	3/4	3,870.17	3/4	3,575.65	3/4	3,245.62	3/4	2,885.35	3/4	2,524.81		
5		5		5		5	4,411.08	5	4,146.88	5	3,864.09	5	3,569.52	5	3,238.13	5	2,877.84	5	2,517.30		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,405.76	1/4	4,141.17	1/4	3,857.97	1/4	3,563.38	1/4	3,230.63	1/4	2,870.33	1/4	2,509.78		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,400.43	1/2	4,135.45	1/2	3,851.86	1/2	3,557.24	1/2	3,223.14	1/2	2,862.82	1/2	2,502.27		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,395.10	3/4	4,129.74	3/4	3,845.74	3/4	3,551.10	3/4	3,215.64	3/4	2,855.30	3/4	2,494.76		
6		6		6		6	4,389.77	6	4,124.03	6	3,839.63	6	3,544.96	6	3,208.14	6	2,847.79	6	2,487.25		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,384.41	1/4	4,118.28	1/4	3,833.49	1/4	3,538.82	1/4	3,200.65	1/4	2,840.28	1/4	2,479.74		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,379.05	1/2	4,112.54	1/2	3,827.36	1/2	3,532.68	1/2	3,193.15	1/2	2,832.77	1/2	2,472.23		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,632.62	3/4	4,373.69	3/4	4,106.79	3/4	3,821.22	3/4	3,526.54	3/4	3,185.65	3/4	2,825.26	3/4	2,464.72
7		7		7		7	4,629.59	7	4,368.33	7	4,101.05	7	3,815.09	7	3,520.40	7	3,178.16	7	2,817.75	7	2,457.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,625.04	1/4	4,362.94	1/4	4,095.27	1/4	3,808.95	1/4	3,514.26	1/4	3,170.66	1/4	2,810.24	1/4	2,449.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,620.50	1/2	4,357.55	1/2	4,089.50	1/2	3,802.81	1/2	3,508.13	1/2	3,163.17	1/2	2,802.73	1/2	2,442.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,615.96	3/4	4,352.15	3/4	4,083.72	3/4	3,796.67	3/4	3,501.99	3/4	3,155.67	3/4	2,795.21	3/4	2,434.67
8		8		8		8	4,611.41	8	4,346.76	8	4,077.94	8	3,790.53	8	3,495.85	8	3,148.17	8	2,787.70	8	2,427.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,605.65	1/4	4,341.34	1/4	4,072.13	1/4	3,784.39	1/4	3,489.72	1/4	3,140.68	1/4	2,780.19	1/4	2,419.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,599.88	1/2	4,335.91	1/2	4,066.33	1/2	3,778.25	1/2	3,483.58	1/2	3,133.18	1/2	2,772.68	1/2	2,412.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,594.11	3/4	4,330.49	3/4	4,060.52	3/4	3,772.11	3/4	3,477.45	3/4	3,125.68	3/4	2,765.17	3/4	2,404.63
9		9		9		9	4,588.35	9	4,325.07	9	4,054.71	9	3,765.97	9	3,471.31	9	3,118.19	9	2,757.66	9	2,397.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,582.30	1/4	4,319.61	1/4	4,048.87	1/4	3,759.83	1/4	3,465.17	1/4	3,110.68	1/4	2,750.15	1/4	2,389.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,576.25	1/2	4,314.15	1/2	4,043.03	1/2	3,753.69	1/2	3,459.04	1/2	3,103.17	1/2	2,742.64	1/2	2,382.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,570.20	3/4	4,308.70	3/4	4,037.19	3/4	3,747.56	3/4	3,452.90	3/4	3,095.66	3/4	2,735.12	3/4	2,374.60
10		10		10		10	4,564.15	10	4,303.24	10	4,031.34	10	3,741.42	10	3,446.77	10	3,088.16	10	2,727.61	10	2,367.09
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,558.10	1/4	4,297.75	1/4	4,025.47	1/4	3,735.28	1/4	3,439.60	1/4	3,080.64	1/4	2,720.10	1/4	2,359.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,552.05	1/2	4,292.26	1/2	4,019.60	1/2	3,729.14	1/2	3,432.44	1/2	3,073.13	1/2	2,712.59	1/2	2,352.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,546.00	3/4	4,286.78	3/4	4,013.73	3/4	3,723.00	3/4	3,425.27	3/4	3,065.62	3/4	2,705.08	3/4	2,344.55
11		11		11		11	4,539.96	11	4,281.29	11	4,007.85	11	3,716.86	11	3,418.10	11	3,058.11	11	2,697.57	11	2,337.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,533.91	1/4	4,275.77	1/4	4,001.95	1/4	3,710.72	1/4	3,410.59	1/4	3,050.60	1/4	2,690.06	1/4	2,329.53
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,527.86	1/2	4,270.25	1/2	3,996.04	1/2	3,704.58	1/2	3,403.09	1/2	2,682.54	1/2	2,322.02		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,521.81	3/4	4,264.73	3/4	3,990.14	3/4	3,698.44	3/4	3,395.58	3/4	2,675.03	3/4	2,314.51		

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'-03" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 29062"

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	2,307.00	0	1,946.12	0	1,587.79	0	1,227.35	0	866.78	0	519.07	0	158.49	0		0		0	
1/4	2,299.48	1/4	1,938.62	1/4	1,580.31	1/4	1,219.83	1/4	859.47	1/4	511.62	1/4	150.97	1/4		1/4		1/4	
1/2	2,291.97	1/2	1,931.12	1/2	1,572.83	1/2	1,212.32	1/2	852.16	1/2	504.18	1/2	143.44	1/2		1/2		1/2	
3/4	2,284.45	3/4	1,923.62	3/4	1,565.35	3/4	1,204.81	3/4	844.85	3/4	496.73	3/4	135.92	3/4		3/4		3/4	
1	2,276.94	1	1,916.13	1	1,557.88	1	1,197.30	1	837.54	1	489.29	1	128.40	1		1		1	
1/4	2,269.43	1/4	1,908.66	1/4	1,550.37	1/4	1,189.78	1/4	830.30	1/4	481.77	1/4	120.87	1/4		1/4		1/4	
1/2	2,261.91	1/2	1,901.19	1/2	1,542.87	1/2	1,182.27	1/2	823.06	1/2	474.25	1/2	113.34	1/2		1/2		1/2	
3/4	2,254.40	3/4	1,893.72	3/4	1,535.36	3/4	1,174.76	3/4	815.82	3/4	466.74	3/4	105.81	3/4		3/4		3/4	
2	2,246.88	2	1,886.25	2	1,527.86	2	1,167.25	2	808.59	2	459.22	2	98.28	2		2		2	
1/4	2,239.36	1/4	1,878.79	1/4	1,520.34	1/4	1,159.73	1/4	801.35	1/4	451.71	1/4	90.75	1/4		1/4		1/4	
1/2	2,231.85	1/2	1,871.33	1/2	1,512.83	1/2	1,152.22	1/2	794.11	1/2	444.19	1/2	83.21	1/2		1/2		1/2	
3/4	2,224.33	3/4	1,863.86	3/4	1,505.32	3/4	1,144.71	3/4	786.87	3/4	436.67	3/4	75.68	3/4		3/4		3/4	
3	2,216.81	3	1,856.40	3	1,497.80	3	1,137.19	3	779.63	3	429.16	3	68.15	3		3		3	
1/4	2,209.29	1/4	1,848.94	1/4	1,490.29	1/4	1,129.68	1/4	772.39	1/4	421.64	1/4	61.33	1/4		1/4		1/4	
1/2	2,201.77	1/2	1,841.48	1/2	1,482.78	1/2	1,122.17	1/2	765.15	1/2	414.13	1/2	54.50	1/2		1/2		1/2	
3/4	2,194.25	3/4	1,834.02	3/4	1,475.27	3/4	1,114.66	3/4	757.91	3/4	406.61	3/4	47.68	3/4		3/4		3/4	
4	2,186.73	4	1,826.56	4	1,467.75	4	1,107.15	4	750.67	4	399.10	4	40.85	4		4		4	
1/4	2,179.22	1/4	1,819.10	1/4	1,460.24	1/4	1,099.64	1/4	743.43	1/4	391.58	1/4	35.67	1/4		1/4		1/4	
1/2	2,171.70	1/2	1,811.63	1/2	1,452.73	1/2	1,092.13	1/2	736.19	1/2	384.06	1/2	30.50	1/2		1/2		1/2	
3/4	2,164.18	3/4	1,804.17	3/4	1,445.22	3/4	1,084.62	3/4	728.95	3/4	376.54	3/4	25.32	3/4		3/4		3/4	
5	2,156.66	5	1,796.71	5	1,437.70	5	1,077.11	5	721.72	5	369.02	5	20.14	5		5		5	
1/4	2,149.14	1/4	1,789.25	1/4	1,430.19	1/4	1,069.60	1/4	714.48	1/4	361.50	1/4		1/4		1/4		1/4	
1/2	2,141.62	1/2	1,781.79	1/2	1,422.68	1/2	1,062.08	1/2	707.24	1/2	353.98	1/2		1/2		1/2		1/2	
3/4	2,134.10	3/4	1,774.33	3/4	1,415.16	3/4	1,054.57	3/4	700.00	3/4	346.46	3/4		3/4		3/4		3/4	
6	2,126.58	6	1,766.86	6	1,407.65	6	1,047.06	6	692.76	6	338.95	6		6		6		6	
1/4	2,119.06	1/4	1,759.40	1/4	1,400.14	1/4	1,039.55	1/4	685.52	1/4	331.43	1/4		1/4		1/4		1/4	
1/2	2,111.54	1/2	1,751.94	1/2	1,392.63	1/2	1,032.04	1/2	678.28	1/2	323.91	1/2		1/2		1/2		1/2	
3/4	2,104.02	3/4	1,744.48	3/4	1,385.11	3/4	1,024.53	3/4	671.04	3/4	316.39	3/4		3/4		3/4		3/4	
7	2,096.50	7	1,737.02	7	1,377.60	7	1,017.02	7	663.80	7	308.87	7		7		7		7	
1/4	2,088.98	1/4	1,729.56	1/4	1,370.09	1/4	1,009.51	1/4	656.56	1/4	301.35	1/4		1/4		1/4		1/4	
1/2	2,081.46	1/2	1,722.10	1/2	1,362.58	1/2	1,002.00	1/2	649.32	1/2	293.83	1/2		1/2		1/2		1/2	
3/4	2,073.95	3/4	1,714.63	3/4	1,355.06	3/4	994.49	3/4	642.08	3/4	286.31	3/4		3/4		3/4		3/4	
8	2,066.43	8	1,707.17	8	1,347.55	8	986.98	8	634.84	8	278.79	8		8		8		8	
1/4	2,058.91	1/4	1,699.71	1/4	1,340.04	1/4	979.47	1/4	627.61	1/4	271.27	1/4		1/4		1/4		1/4	
1/2	2,051.39	1/2	1,692.25	1/2	1,332.52	1/2	971.96	1/2	620.37	1/2	263.75	1/2		1/2		1/2		1/2	
3/4	2,043.87	3/4	1,684.79	3/4	1,325.01	3/4	964.45	3/4	613.13	3/4	256.23	3/4		3/4		3/4		3/4	
9	2,036.35	9	1,677.33	9	1,317.50	9	956.93	9	605.90	9	248.72	9		9		9		9	
1/4	2,028.83	1/4	1,669.87	1/4	1,309.99	1/4	949.42	1/4	598.66	1/4	241.20	1/4		1/4		1/4		1/4	
1/2	2,021.31	1/2	1,662.40	1/2	1,302.47	1/2	941.91	1/2	591.43	1/2	233.68	1/2		1/2		1/2		1/2	
3/4	2,013.79	3/4	1,654.94	3/4	1,294.96	3/4	934.40	3/4	584.19	3/4	226.16	3/4		3/4		3/4		3/4	
10	2,006.27	10	1,647.48	10	1,287.45	10	926.89	10	576.95	10	218.64	10		10		10		10	
1/4	1,998.75	1/4	1,640.02	1/4	1,279.94	1/4	919.38	1/4	569.72	1/4	211.12	1/4		1/4		1/4		1/4	
1/2	1,991.23	1/2	1,632.56	1/2	1,272.42	1/2	911.87	1/2	562.48	1/2	203.60	1/2		1/2		1/2		1/2	
3/4	1,983.71	3/4	1,625.10	3/4	1,264.91	3/4	904.36	3/4	555.25	3/4	196.08	3/4		3/4		3/4		3/4	
11	1,976.19	11	1,617.63	11	1,257.40	11	896.85	11	548.01	11	188.57	11		11		11		11	
1/4	1,968.67	1/4	1,610.17	1/4	1,249.89	1/4	889.33	1/4	540.78	1/4	181.05	1/4		1/4		1/4		1/4	
1/2	1,961.16	1/2	1,602.71	1/2	1,242.37	1/2	881.81	1/2	533.54	1/2	173.53	1/2		1/2		1/2		1/2	
3/4	1,953.64	3/4	1,595.25	3/4	1,234.86	3/4	874.30	3/4	526.30	3/4	166.01	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/29/2016 SW
CALCULATED: 12/30/2016 CL
PRINTED: 12/30/2016 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2016

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



BARGE "KIRBY 29062"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	4,537.34	0	4,280.25	0	4,004.55	0	3,712.06	0	3,406.09	0	3,045.08	0	2,683.54		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,532.00	1/4	4,274.69	1/4	3,998.60	1/4	3,705.91	1/4	3,398.58	1/4	3,037.55	1/4	2,676.01		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,526.65	1/2	4,269.13	1/2	3,992.66	1/2	3,699.77	1/2	3,391.06	1/2	3,030.02	1/2	2,668.47		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,521.30	3/4	4,263.57	3/4	3,986.71	3/4	3,693.62	3/4	3,383.54	3/4	3,022.49	3/4	2,660.94		
1		1		1		1	4,516.17	1	4,257.98	1	3,980.74	1	3,687.47	1	3,376.03	1	3,014.96	1	2,653.41		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,511.03	1/4	4,252.39	1/4	3,974.76	1/4	3,681.33	1/4	3,368.51	1/4	3,007.42	1/4	2,645.88		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,505.90	1/2	4,246.79	1/2	3,968.79	1/2	3,675.18	1/2	3,360.99	1/2	2,999.89	1/2	2,638.35		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,500.76	3/4	4,241.20	3/4	3,962.81	3/4	3,669.03	3/4	3,353.47	3/4	2,992.36	3/4	2,630.81		
2		2		2		2	4,495.60	2	4,235.58	2	3,956.80	2	3,662.89	2	3,345.96	2	2,984.83	2	2,623.28		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,490.43	1/4	4,229.96	1/4	3,950.79	1/4	3,656.74	1/4	3,338.44	1/4	2,977.29	1/4	2,615.75		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,485.27	1/2	4,224.33	1/2	3,944.78	1/2	3,650.59	1/2	3,330.92	1/2	2,969.76	1/2	2,608.22		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,480.10	3/4	4,218.71	3/4	3,938.78	3/4	3,644.45	3/4	3,323.41	3/4	2,962.23	3/4	2,600.68		
3		3		3		3	4,474.85	3	4,213.05	3	3,932.72	3	3,638.30	3	3,315.89	3	2,954.70	3	2,593.15		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,469.59	1/4	4,207.40	1/4	3,926.67	1/4	3,632.15	1/4	3,308.37	1/4	2,947.17	1/4	2,585.62		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,464.34	1/2	4,201.74	1/2	3,920.61	1/2	3,626.01	1/2	3,300.85	1/2	2,939.63	1/2	2,578.09		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,459.09	3/4	4,196.09	3/4	3,914.56	3/4	3,619.86	3/4	3,293.34	3/4	2,932.10	3/4	2,570.56		
4		4		4		4	4,453.79	4	4,190.40	4	3,908.47	4	3,613.71	4	3,285.82	4	2,924.57	4	2,563.02		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,448.48	1/4	4,184.71	1/4	3,902.38	1/4	3,607.57	1/4	3,278.30	1/4	2,917.04	1/4	2,555.49		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,443.18	1/2	4,179.02	1/2	3,896.29	1/2	3,601.42	1/2	3,270.79	1/2	2,909.51	1/2	2,547.96		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,437.88	3/4	4,173.34	3/4	3,890.20	3/4	3,595.27	3/4	3,263.27	3/4	2,901.97	3/4	2,540.43		
5		5		5		5	4,432.54	5	4,167.62	5	3,884.08	5	3,589.13	5	3,255.75	5	2,894.44	5	2,532.90		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,427.21	1/4	4,161.90	1/4	3,877.95	1/4	3,582.98	1/4	3,248.23	1/4	2,886.91	1/4	2,525.36		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,421.87	1/2	4,156.18	1/2	3,871.83	1/2	3,576.83	1/2	3,240.72	1/2	2,879.38	1/2	2,517.83		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,416.54	3/4	4,150.46	3/4	3,865.71	3/4	3,570.69	3/4	3,233.20	3/4	2,871.84	3/4	2,510.30		
6		6		6		6	4,411.17	6	4,144.71	6	3,859.57	6	3,564.54	6	3,225.68	6	2,864.31	6	2,502.77		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,405.80	1/4	4,138.95	1/4	3,853.42	1/4	3,558.39	1/4	3,218.16	1/4	2,856.78	1/4	2,495.23		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,659.69	1/2	4,400.44	1/2	4,133.20	1/2	3,847.28	1/2	3,552.25	1/2	3,210.65	1/2	2,849.25	1/2	2,487.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,656.65	3/4	4,395.07	3/4	4,127.45	3/4	3,841.14	3/4	3,546.10	3/4	3,203.13	3/4	2,841.72	3/4	2,480.17
7		7		7		7	4,652.10	7	4,389.67	7	4,121.67	7	3,834.99	7	3,539.96	7	3,195.61	7	2,834.18	7	2,472.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,647.56	1/4	4,384.27	1/4	4,115.88	1/4	3,828.85	1/4	3,533.81	1/4	3,188.10	1/4	2,826.65	1/4	2,465.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,643.01	1/2	4,378.87	1/2	4,110.10	1/2	3,822.70	1/2	3,527.67	1/2	3,180.58	1/2	2,819.12	1/2	2,457.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,638.46	3/4	4,373.47	3/4	4,104.31	3/4	3,816.55	3/4	3,521.52	3/4	3,173.06	3/4	2,811.59	3/4	2,450.04
8		8		8		8	4,632.69	8	4,368.04	8	4,098.50	8	3,810.41	8	3,515.38	8	3,165.54	8	2,804.05	8	2,442.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,626.91	1/4	4,362.61	1/4	4,092.68	1/4	3,804.26	1/4	3,509.24	1/4	3,158.03	1/4	2,796.52	1/4	2,434.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,621.14	1/2	4,357.18	1/2	4,086.87	1/2	3,798.11	1/2	3,503.09	1/2	3,150.51	1/2	2,788.99	1/2	2,427.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,615.37	3/4	4,351.75	3/4	4,081.05	3/4	3,791.97	3/4	3,496.95	3/4	3,142.99	3/4	2,781.46	3/4	2,419.91
9		9		9		9	4,609.31	9	4,346.29	9	4,075.20	9	3,785.82	9	3,490.81	9	3,135.46	9	2,773.93	9	2,412.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,603.25	1/4	4,340.82	1/4	4,069.36	1/4	3,779.67	1/4	3,484.66	1/4	3,127.93	1/4	2,766.39	1/4	2,404.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,597.20	1/2	4,335.36	1/2	4,063.51	1/2	3,773.53	1/2	3,478.52	1/2	3,120.40	1/2	2,758.86	1/2	2,397.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,591.14	3/4	4,329.90	3/4	4,057.66	3/4	3,767.38	3/4	3,472.38	3/4	3,112.87	3/4	2,751.33	3/4	2,389.77
10		10		10		10	4,585.08	10	4,324.40	10	4,051.78	10	3,761.23	10	3,465.20	10	3,105.34	10	2,743.80	10	2,382.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,579.03	1/4	4,318.91	1/4	4,045.90	1/4	3,755.09	1/4	3,458.03	1/4	3,097.81	1/4	2,736.26	1/4	2,374.70
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,572.97	1/2	4,313.41	1/2	4,040.02	1/2	3,748.94	1/2	3,450.85	1/2	3,090.28	1/2	2,728.73	1/2	2,367.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,566.91	3/4	4,307.92	3/4	4,034.14	3/4	3,742.79	3/4	3,443.68	3/4	3,082.75	3/4	2,721.20	3/4	2,359.63
11		11		11		11	4,560.86	11	4,302.39	11	4,028.23	11	3,736.65	11	3,436.16	11	3,075.21	11	2,713.67	11	2,352.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,554.80	1/4	4,296.86	1/4	4,022.32	1/4	3,730.50	1/4	3,428.65	1/4	3,067.68	1/4	2,706.14	1/4	2,344.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,548.75	1/2	4,291.33	1/2	4,016.40	1/2	3,724.35	1/2	3,421.13	1/2	3,060.15	1/2	2,698.60	1/2	2,337.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,542.69	3/4	4,285.81	3/4	4,010.49	3/4	3,718.21	3/4	3,413.61	3/4	3,052.62	3/4	2,691.07	3/4	2,329.49

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'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77598
<http://www.pmacorp.net>



BARGE "KIRBY 29062"

3 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	2,321.95	0	1,960.07	0	1,598.19	0	1,236.62	0	874.81	0	512.99	0	151.16	0		0			
1/4	2,314.42	1/4	1,952.53	1/4	1,590.66	1/4	1,229.09	1/4	867.27	1/4	505.45	1/4	143.62	1/4		1/4			
1/2	2,306.88	1/2	1,945.00	1/2	1,583.12	1/2	1,221.55	1/2	859.73	1/2	497.91	1/2	136.08	1/2		1/2			
3/4	2,299.34	3/4	1,937.46	3/4	1,575.59	3/4	1,214.02	3/4	852.20	3/4	490.38	3/4	128.54	3/4		3/4			
1	2,291.80	1	1,929.92	1	1,568.06	1	1,206.49	1	844.66	1	482.84	1	121.00	1		1			
1/4	2,284.26	1/4	1,922.38	1/4	1,560.52	1/4	1,198.95	1/4	837.12	1/4	475.31	1/4	113.46	1/4		1/4			
1/2	2,276.72	1/2	1,914.84	1/2	1,552.99	1/2	1,191.42	1/2	829.58	1/2	467.77	1/2	105.92	1/2		1/2			
3/4	2,269.18	3/4	1,907.30	3/4	1,545.46	3/4	1,183.89	3/4	822.04	3/4	460.23	3/4	98.38	3/4		3/4			
2	2,261.65	2	1,899.76	2	1,537.93	2	1,176.36	2	814.50	2	452.70	2	90.84	2		2			
1/4	2,254.11	1/4	1,892.22	1/4	1,530.39	1/4	1,168.82	1/4	806.96	1/4	445.16	1/4	83.31	1/4		1/4			
1/2	2,246.57	1/2	1,884.68	1/2	1,522.86	1/2	1,161.29	1/2	799.42	1/2	437.63	1/2	75.77	1/2		1/2			
3/4	2,239.03	3/4	1,877.14	3/4	1,515.33	3/4	1,153.76	3/4	791.88	3/4	430.09	3/4	68.23	3/4		3/4			
3	2,231.49	3	1,869.60	3	1,507.80	3	1,146.22	3	784.34	3	422.56	3	61.39	3		3			
1/4	2,223.95	1/4	1,862.06	1/4	1,500.26	1/4	1,138.68	1/4	776.80	1/4	415.02	1/4	54.56	1/4		1/4			
1/2	2,216.41	1/2	1,854.52	1/2	1,492.73	1/2	1,131.14	1/2	769.26	1/2	407.48	1/2	47.73	1/2		1/2			
3/4	2,208.87	3/4	1,846.98	3/4	1,485.20	3/4	1,123.61	3/4	761.72	3/4	399.95	3/4	40.90	3/4		3/4			
4	2,201.33	4	1,839.44	4	1,477.66	4	1,116.07	4	754.19	4	392.41	4	35.71	4		4			
1/4	2,193.79	1/4	1,831.91	1/4	1,470.13	1/4	1,108.53	1/4	746.65	1/4	384.87	1/4	30.53	1/4		1/4			
1/2	2,186.25	1/2	1,824.37	1/2	1,462.60	1/2	1,100.99	1/2	739.11	1/2	377.34	1/2	25.35	1/2		1/2			
3/4	2,178.71	3/4	1,816.83	3/4	1,455.07	3/4	1,093.45	3/4	731.57	3/4	369.80	3/4	20.16	3/4		3/4			
5	2,171.17	5	1,809.29	5	1,447.53	5	1,085.91	5	724.03	5	362.26	5		5		5			
1/4	2,163.63	1/4	1,801.75	1/4	1,440.00	1/4	1,078.37	1/4	716.49	1/4	354.72	1/4		1/4		1/4			
1/2	2,156.10	1/2	1,794.21	1/2	1,432.47	1/2	1,070.83	1/2	708.95	1/2	347.18	1/2		1/2		1/2			
3/4	2,148.56	3/4	1,786.67	3/4	1,424.94	3/4	1,063.29	3/4	701.41	3/4	339.64	3/4		3/4		3/4			
6	2,141.02	6	1,779.13	6	1,417.40	6	1,055.75	6	693.87	6	332.10	6		6		6			
1/4	2,133.48	1/4	1,771.59	1/4	1,409.87	1/4	1,048.21	1/4	686.33	1/4	324.56	1/4		1/4		1/4			
1/2	2,125.94	1/2	1,764.05	1/2	1,402.34	1/2	1,040.68	1/2	678.79	1/2	317.02	1/2		1/2		1/2			
3/4	2,118.40	3/4	1,756.51	3/4	1,394.80	3/4	1,033.14	3/4	671.25	3/4	309.48	3/4		3/4		3/4			
7	2,110.86	7	1,748.97	7	1,387.27	7	1,025.60	7	663.72	7	301.95	7		7		7			
1/4	2,103.32	1/4	1,741.43	1/4	1,379.74	1/4	1,018.06	1/4	656.18	1/4	294.41	1/4		1/4		1/4			
1/2	2,095.78	1/2	1,733.89	1/2	1,372.21	1/2	1,010.52	1/2	648.64	1/2	286.87	1/2		1/2		1/2			
3/4	2,088.24	3/4	1,726.36	3/4	1,364.67	3/4	1,002.98	3/4	641.10	3/4	279.33	3/4		3/4		3/4			
8	2,080.70	8	1,718.82	8	1,357.14	8	995.44	8	633.56	8	271.79	8		8		8			
1/4	2,073.16	1/4	1,711.28	1/4	1,349.61	1/4	987.90	1/4	626.02	1/4	264.25	1/4		1/4		1/4			
1/2	2,065.62	1/2	1,703.74	1/2	1,342.08	1/2	980.36	1/2	618.49	1/2	256.71	1/2		1/2		1/2			
3/4	2,058.08	3/4	1,696.20	3/4	1,334.54	3/4	972.82	3/4	610.95	3/4	249.17	3/4		3/4		3/4			
9	2,050.55	9	1,688.66	9	1,327.01	9	965.28	9	603.42	9	241.63	9		9		9			
1/4	2,043.01	1/4	1,681.12	1/4	1,319.48	1/4	957.74	1/4	595.88	1/4	234.09	1/4		1/4		1/4			
1/2	2,035.47	1/2	1,673.58	1/2	1,311.95	1/2	950.20	1/2	588.34	1/2	226.55	1/2		1/2		1/2			
3/4	2,027.93	3/4	1,666.04	3/4	1,304.41	3/4	942.67	3/4	580.81	3/4	219.01	3/4		3/4		3/4			
10	2,020.39	10	1,658.50	10	1,296.88	10	935.13	10	573.27	10	211.47	10		10		10			
1/4	2,012.85	1/4	1,650.96	1/4	1,289.35	1/4	927.59	1/4	565.74	1/4	203.93	1/4		1/4		1/4			
1/2	2,005.31	1/2	1,643.42	1/2	1,281.81	1/2	920.05	1/2	558.20	1/2	196.40	1/2		1/2		1/2			
3/4	1,997.77	3/4	1,635.88	3/4	1,274.28	3/4	912.51	3/4	550.66	3/4	188.86	3/4		3/4		3/4			
11	1,990.23	11	1,628.34	11	1,266.75	11	904.97	11	543.13	11	181.32	11		11		11			
1/4	1,982.69	1/4	1,620.81	1/4	1,259.22	1/4	897.43	1/4	535.59	1/4	173.78	1/4		1/4		1/4			
1/2	1,975.15	1/2	1,613.27	1/2	1,251.68	1/2	889.89	1/2	528.06	1/2	166.24	1/2		1/2		1/2			
3/4	1,967.61	3/4	1,605.73	3/4	1,244.15	3/4	882.35	3/4	520.52	3/4	158.70	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/29/2016 SW
CALCULATED: 12/30/2016 CL
PRINTED: 12/30/2016 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2016

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