



BARGE "KIRBY 29132"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-3/8	- 00-3/8	00-5/8	- 00-5/8	01-0/8	- 01-0/8	01-3/8	- 01-3/8	01-5/8	- 01-5/8	02-0/8	- 02-0/8
1 STBD	00-3/8	- 00-3/8	00-5/8	- 00-5/8	01-0/8	- 01-0/8	01-3/8	- 01-3/8	01-5/8	- 01-5/8	02-0/8	- 02-0/8
2 PORT	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-3/4	- 01-3/4	02-1/8	- 02-1/8	02-5/8	- 02-5/8
2 STBD	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-3/4	- 01-3/4	02-1/8	- 02-1/8	02-5/8	- 02-5/8
3 PORT	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-3/4	- 01-3/4	02-1/8	- 02-1/8	02-1/2	- 02-1/2
3 STBD	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-3/4	- 01-3/4	02-1/8	- 02-1/8	02-1/2	- 02-1/2

(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 - 00-5/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 3/8"

LENGTH BETWEEN DRAFT MARKS: 261'-00"

November 18, 2014

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29132"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0		
									4,628.85		4,290.31		3,935.28		3,564.21		3,188.08		2,810.39		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,954.24	1/4	4,621.97	1/4	4,283.08	1/4	3,927.70	1/4	3,556.37	1/4	3,180.21	1/4	2,802.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,948.86	1/2	4,615.08	1/2	4,275.84	1/2	3,920.12	1/2	3,548.54	1/2	3,172.34	1/2	2,794.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,943.49	3/4	4,608.19	3/4	4,268.61	3/4	3,912.54	3/4	3,540.70	3/4	3,164.48	3/4	2,786.78
1	1	1	1	1	1	1	1	1	4,936.82	1	4,601.28	1	4,261.35	1	3,904.94	1	3,532.87	1	3,156.61	1	2,778.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,930.14	1/4	4,594.36	1/4	4,254.09	1/4	3,897.33	1/4	3,525.04	1/4	3,148.74	1/4	2,771.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,923.47	1/2	4,587.45	1/2	4,246.83	1/2	3,889.72	1/2	3,517.20	1/2	3,140.87	1/2	2,763.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,916.80	3/4	4,580.53	3/4	4,239.57	3/4	3,882.11	3/4	3,509.37	3/4	3,133.00	3/4	2,755.31
2	2	2	2	2	2	2	2	2	4,909.20	2	4,573.59	2	4,232.28	2	3,874.48	2	3,501.54	2	3,125.13	2	2,747.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,901.59	1/4	4,566.64	1/4	4,224.99	1/4	3,866.85	1/4	3,493.70	1/4	3,117.26	1/4	2,739.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,893.99	1/2	4,559.70	1/2	4,217.71	1/2	3,859.22	1/2	3,485.87	1/2	3,109.40	1/2	2,731.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,886.38	3/4	4,552.75	3/4	4,210.42	3/4	3,851.59	3/4	3,478.03	3/4	3,101.53	3/4	2,723.83
3	3	3	3	3	3	3	3	3	4,878.55	3	4,545.78	3	4,203.10	3	3,843.93	3	3,470.20	3	3,093.66	3	2,715.97
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,870.72	1/4	4,538.81	1/4	4,195.79	1/4	3,836.27	1/4	3,462.37	1/4	3,085.79	1/4	2,708.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,862.88	1/2	4,531.84	1/2	4,188.47	1/2	3,828.61	1/2	3,454.53	1/2	3,077.92	1/2	2,700.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,855.05	3/4	4,524.86	3/4	4,181.15	3/4	3,820.95	3/4	3,446.70	3/4	3,070.05	3/4	2,692.36
4	4	4	4	4	4	4	4	4	4,847.65	4	4,517.86	4	4,173.81	4	3,813.26	4	3,438.87	4	3,062.18	4	2,684.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,840.25	1/4	4,510.86	1/4	4,166.46	1/4	3,805.57	1/4	3,431.03	1/4	3,054.31	1/4	2,676.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,832.85	1/2	4,503.86	1/2	4,159.12	1/2	3,797.88	1/2	3,423.20	1/2	3,046.45	1/2	2,668.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,825.45	3/4	4,496.85	3/4	4,151.77	3/4	3,790.19	3/4	3,415.36	3/4	3,038.58	3/4	2,660.88
5	5	5	5	5	5	5	5	5	4,818.76	5	4,489.82	5	4,144.40	5	3,782.47	5	3,407.53	5	3,030.71	5	2,653.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,812.07	1/4	4,482.79	1/4	4,137.02	1/4	3,774.76	1/4	3,399.70	1/4	3,022.84	1/4	2,645.15
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,805.38	1/2	4,475.76	1/2	4,129.65	1/2	3,767.04	1/2	3,391.86	1/2	3,014.97	1/2	2,637.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,798.69	3/4	4,468.73	3/4	4,122.27	3/4	3,759.32	3/4	3,384.03	3/4	3,007.10	3/4	2,629.41
6	6	6	6	6	6	6	6	6	4,791.98	6	4,461.67	6	4,114.87	6	3,751.58	6	3,376.19	6	2,999.23	6	2,621.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,785.26	1/4	4,454.61	1/4	4,107.47	1/4	3,743.83	1/4	3,368.36	1/4	2,991.37	1/4	2,613.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,778.54	1/2	4,447.55	1/2	4,100.06	1/2	3,736.08	1/2	3,360.53	1/2	2,983.50	1/2	2,605.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,771.83	3/4	4,440.49	3/4	4,092.66	3/4	3,728.33	3/4	3,352.69	3/4	2,975.63	3/4	2,597.94
7	7	7	7	7	7	7	7	7	4,765.08	7	4,433.40	7	4,085.23	7	3,720.56	7	3,344.86	7	2,967.76	7	2,590.07
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,758.33	1/4	4,426.31	1/4	4,077.80	1/4	3,712.78	1/4	3,337.03	1/4	2,959.89	1/4	2,582.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,751.59	1/2	4,419.23	1/2	4,070.36	1/2	3,705.01	1/2	3,329.19	1/2	2,952.02	1/2	2,574.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,744.84	3/4	4,412.14	3/4	4,062.93	3/4	3,697.23	3/4	3,321.36	3/4	2,944.15	3/4	2,566.46
8	8	8	8	8	8	8	8	8	4,738.07	8	4,405.02	8	4,055.47	8	3,689.43	8	3,313.52	8	2,936.29	8	2,558.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,731.29	1/4	4,397.90	1/4	4,048.01	1/4	3,681.62	1/4	3,305.69	1/4	2,928.42	1/4	2,550.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,724.52	1/2	4,390.78	1/2	4,040.55	1/2	3,673.82	1/2	3,297.86	1/2	2,920.55	1/2	2,542.86
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,717.74	3/4	4,383.66	3/4	4,033.09	3/4	3,666.01	3/4	3,290.02	3/4	2,912.68	3/4	2,534.99
9	9	9	9	9	9	9	9	9	4,710.94	9	4,376.52	9	4,025.60	9	3,658.19	9	3,282.19	9	2,904.81	9	2,527.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,704.13	1/4	4,369.37	1/4	4,018.11	1/4	3,650.36	1/4	3,274.36	1/4	2,896.94	1/4	2,519.25
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,697.33	1/2	4,362.22	1/2	4,010.62	1/2	3,642.54	1/2	3,266.52	1/2	2,889.07	1/2	2,511.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,690.52	3/4	4,355.07	3/4	4,003.13	3/4	3,634.71	3/4	3,258.69	3/4	2,881.21	3/4	2,503.51
10	10	10	10	10	10	10	10	10	4,683.69	10	4,347.90	10	3,995.61	10	3,626.88	10	3,250.85	10	2,873.34	10	2,495.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,676.86	1/4	4,340.72	1/4	3,988.09	1/4	3,619.04	1/4	3,243.02	1/4	2,865.47	1/4	2,487.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,670.03	1/2	4,333.54	1/2	3,980.57	1/2	3,611.21	1/2	3,235.19	1/2	2,857.60	1/2	2,479.91
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,663.19	3/4	4,326.37	3/4	3,973.05	3/4	3,603.37	3/4	3,227.35	3/4	2,849.73	3/4	2,472.04
11	11	11	11	11	11	11	11	11	4,656.33	11	4,319.16	11	3,965.50	11	3,595.54	11	3,219.50	11	2,841.86	11	2,464.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,649.47	1/4	4,311.96	1/4	3,957.95	1/4	3,587.71	1/4	3,211.65	1/4	2,833.99	1/4	2,456.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,642.60	1/2	4,304.75	1/2	3,950.40	1/2	3,579.87	1/2	3,203.80	1/2	2,826.13	1/2	2,448.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,635.74	3/4	4,297.55	3/4	3,942.85	3/4	3,572.04	3/4	3,195.95	3/4	2,818.26	3/4	2,440.56

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'-09" OFF CENTERLINE AND 52'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "KIRBY 29132"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 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	2,432.70	0	2,055.00	0	1,677.31	0	1,300.91	0	924.08	0	546.40	0	195.92	0		0		0	
1/4	2,424.83	1/4	2,047.13	1/4	1,669.44	1/4	1,293.09	1/4	916.21	1/4	538.55	1/4	189.29	1/4	1/4	1/4		1/4	
1/2	2,416.96	1/2	2,039.27	1/2	1,661.57	1/2	1,285.27	1/2	908.34	1/2	530.69	1/2	182.67	1/2	1/2	1/2		1/2	
3/4	2,409.09	3/4	2,031.40	3/4	1,653.70	3/4	1,277.45	3/4	900.47	3/4	522.83	3/4	176.04	3/4	3/4	3/4		3/4	
1	2,401.22	1	2,023.53	1	1,645.84	1	1,269.63	1	892.60	1	515.02	1	169.53	1	1	1		1	
1/4	2,393.35	1/4	2,015.66	1/4	1,637.97	1/4	1,261.81	1/4	884.74	1/4	507.21	1/4	163.02	1/4	1/4	1/4		1/4	
1/2	2,385.48	1/2	2,007.79	1/2	1,630.10	1/2	1,253.99	1/2	876.87	1/2	499.40	1/2	156.50	1/2	1/2	1/2		1/2	
3/4	2,377.62	3/4	1,999.92	3/4	1,622.23	3/4	1,246.17	3/4	869.00	3/4	491.59	3/4	149.99	3/4	3/4	3/4		3/4	
2	2,369.75	2	1,992.05	2	1,614.36	2	1,238.35	2	861.13	2	483.87	2	143.59	2	2	2		2	
1/4	2,361.88	1/4	1,984.19	1/4	1,606.49	1/4	1,230.53	1/4	853.26	1/4	476.15	1/4	137.19	1/4	1/4	1/4		1/4	
1/2	2,354.01	1/2	1,976.32	1/2	1,598.62	1/2	1,222.71	1/2	845.39	1/2	468.43	1/2	130.80	1/2	1/2	1/2		1/2	
3/4	2,346.14	3/4	1,968.45	3/4	1,590.76	3/4	1,214.89	3/4	837.53	3/4	460.72	3/4	124.40	3/4	3/4	3/4		3/4	
3	2,338.27	3	1,960.58	3	1,582.89	3	1,207.07	3	829.66	3	453.11	3	118.12	3	3	3		3	
1/4	2,330.40	1/4	1,952.71	1/4	1,575.02	1/4	1,199.25	1/4	821.79	1/4	445.50	1/4	111.85	1/4	1/4	1/4		1/4	
1/2	2,322.54	1/2	1,944.84	1/2	1,567.15	1/2	1,191.44	1/2	813.92	1/2	437.89	1/2	105.57	1/2	1/2	1/2		1/2	
3/4	2,314.67	3/4	1,936.97	3/4	1,559.28	3/4	1,183.62	3/4	806.05	3/4	430.28	3/4	99.29	3/4	3/4	3/4		3/4	
4	2,306.80	4	1,929.11	4	1,551.42	4	1,175.78	4	798.18	4	422.78	4	93.15	4	4	4		4	
1/4	2,298.93	1/4	1,921.24	1/4	1,543.57	1/4	1,167.94	1/4	790.31	1/4	415.28	1/4	87.00	1/4	1/4	1/4		1/4	
1/2	2,291.06	1/2	1,913.37	1/2	1,535.71	1/2	1,160.10	1/2	782.45	1/2	407.78	1/2	80.85	1/2	1/2	1/2		1/2	
3/4	2,283.19	3/4	1,905.50	3/4	1,527.85	3/4	1,152.26	3/4	774.58	3/4	400.28	3/4	74.70	3/4	3/4	3/4		3/4	
5	2,275.32	5	1,897.63	5	1,520.01	5	1,144.39	5	766.71	5	392.89	5	68.70	5	5	5		5	
1/4	2,267.45	1/4	1,889.76	1/4	1,512.17	1/4	1,136.52	1/4	758.84	1/4	385.50	1/4	62.69	1/4	1/4	1/4		1/4	
1/2	2,259.59	1/2	1,881.89	1/2	1,504.33	1/2	1,128.66	1/2	750.97	1/2	378.11	1/2	56.68	1/2	1/2	1/2		1/2	
3/4	2,251.72	3/4	1,874.02	3/4	1,496.49	3/4	1,120.79	3/4	743.10	3/4	370.72	3/4	50.68	3/4	3/4	3/4		3/4	
6	2,243.85	6	1,866.16	6	1,488.66	6	1,112.92	6	735.24	6	363.44	6	45.26	6	6	6		6	
1/4	2,235.98	1/4	1,858.29	1/4	1,480.82	1/4	1,105.05	1/4	727.37	1/4	356.16	1/4	39.85	1/4	1/4	1/4		1/4	
1/2	2,228.11	1/2	1,850.42	1/2	1,472.99	1/2	1,097.18	1/2	719.50	1/2	348.88	1/2	34.44	1/2	1/2	1/2		1/2	
3/4	2,220.24	3/4	1,842.55	3/4	1,465.16	3/4	1,089.31	3/4	711.63	3/4	341.60	3/4	29.02	3/4	3/4	3/4		3/4	
7	2,212.37	7	1,834.68	7	1,457.33	7	1,081.45	7	703.76	7	334.43	7	25.06	7	7	7		7	
1/4	2,204.51	1/4	1,826.81	1/4	1,449.50	1/4	1,073.58	1/4	695.89	1/4	327.26	1/4	21.10	1/4	1/4	1/4		1/4	
1/2	2,196.64	1/2	1,818.94	1/2	1,441.68	1/2	1,065.71	1/2	688.03	1/2	320.08	1/2	17.14	1/2	1/2	1/2		1/2	
3/4	2,188.77	3/4	1,811.08	3/4	1,433.85	3/4	1,057.84	3/4	680.16	3/4	312.91	3/4	13.18	3/4	3/4	3/4		3/4	
8	2,180.90	8	1,803.21	8	1,426.03	8	1,049.97	8	672.29	8	305.85	8		8	8	8		8	
1/4	2,173.03	1/4	1,795.34	1/4	1,418.20	1/4	1,042.10	1/4	664.42	1/4	298.79	1/4		1/4	1/4	1/4		1/4	
1/2	2,165.16	1/2	1,787.47	1/2	1,410.38	1/2	1,034.24	1/2	656.55	1/2	291.73	1/2		1/2	1/2	1/2		1/2	
3/4	2,157.29	3/4	1,779.60	3/4	1,402.56	3/4	1,026.37	3/4	648.68	3/4	284.66	3/4		3/4	3/4	3/4		3/4	
9	2,149.43	9	1,771.73	9	1,394.74	9	1,018.50	9	640.82	9	277.71	9		9	9	9		9	
1/4	2,141.56	1/4	1,763.86	1/4	1,386.92	1/4	1,010.63	1/4	632.95	1/4	270.76	1/4		1/4	1/4	1/4		1/4	
1/2	2,133.69	1/2	1,756.00	1/2	1,379.10	1/2	1,002.76	1/2	625.08	1/2	263.81	1/2		1/2	1/2	1/2		1/2	
3/4	2,125.82	3/4	1,748.13	3/4	1,371.28	3/4	994.89	3/4	617.21	3/4	256.85	3/4		3/4	3/4	3/4		3/4	
10	2,117.95	10	1,740.26	10	1,363.46	10	987.02	10	609.34	10	250.01	10		10	10	10		10	
1/4	2,110.08	1/4	1,732.39	1/4	1,355.64	1/4	979.16	1/4	601.47	1/4	243.16	1/4		1/4	1/4	1/4		1/4	
1/2	2,102.21	1/2	1,724.52	1/2	1,347.82	1/2	971.29	1/2	593.60	1/2	236.32	1/2		1/2	1/2	1/2		1/2	
3/4	2,094.35	3/4	1,716.65	3/4	1,340.00	3/4	963.42	3/4	585.74	3/4	229.48	3/4		3/4	3/4	3/4		3/4	
11	2,086.48	11	1,708.78	11	1,332.18	11	955.55	11	577.87	11	222.74	11		11	11	11		11	
1/4	2,078.61	1/4	1,700.92	1/4	1,324.36	1/4	947.68	1/4	570.00	1/4	216.01	1/4		1/4	1/4	1/4		1/4	
1/2	2,070.74	1/2	1,693.05	1/2	1,316.54	1/2	939.81	1/2	562.13	1/2	209.27	1/2		1/2	1/2	1/2		1/2	
3/4	2,062.87	3/4	1,685.18	3/4	1,308.72	3/4	931.95	3/4	554.26	3/4	202.54	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/18/2014 CL
CALCULATED: 11/18/2014 CL
PRINTED: 11/18/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2014

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



BARGE "KIRBY 29132"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4		1/4		1/4	4,946.39	1/4	4,611.02	1/4	4,271.36	1/4	3,915.22	1/4	3,543.29	1/4	3,167.00	1/4	2,789.21		
1/2		1/2		1/2		1/2	4,939.72	1/2	4,604.11	1/2	4,264.10	1/2	3,907.61	1/2	3,535.46	1/2	3,159.13	1/2	2,781.34		
3/4		3/4		3/4		3/4	4,933.05	3/4	4,597.19	3/4	4,256.84	3/4	3,900.00	3/4	3,527.62	3/4	3,151.26	3/4	2,773.47		
1	1	1	1	1	1	1	4,926.38	1	4,590.27	1	4,249.58	1	3,892.39	1	3,519.78	1	3,143.39	1	2,765.60		
1/4		1/4		1/4		1/4	4,919.70	1/4	4,583.36	1/4	4,242.32	1/4	3,884.78	1/4	3,511.95	1/4	3,135.51	1/4	2,757.73		
1/2		1/2		1/2		1/2	4,912.10	1/2	4,576.41	1/2	4,235.03	1/2	3,877.15	1/2	3,504.11	1/2	3,127.64	1/2	2,749.86		
3/4		3/4		3/4		3/4	4,904.49	3/4	4,569.46	3/4	4,227.74	3/4	3,869.51	3/4	3,496.28	3/4	3,119.77	3/4	2,741.99		
2	2	2	2	2	2	2	4,896.88	2	4,562.52	2	4,220.45	2	3,861.88	2	3,488.44	2	3,111.90	2	2,734.12		
1/4		1/4		1/4		1/4	4,889.28	1/4	4,555.57	1/4	4,213.16	1/4	3,854.25	1/4	3,480.61	1/4	3,104.03	1/4	2,726.25		
1/2		1/2		1/2		1/2	4,881.44	1/2	4,548.60	1/2	4,205.84	1/2	3,846.58	1/2	3,472.77	1/2	3,096.16	1/2	2,718.38		
3/4		3/4		3/4		3/4	4,873.61	3/4	4,541.62	3/4	4,198.52	3/4	3,838.92	3/4	3,464.94	3/4	3,088.29	3/4	2,710.51		
3	3	3	3	3	3	3	4,865.77	3	4,534.65	3	4,191.20	3	3,831.26	3	3,457.10	3	3,080.42	3	2,702.64		
1/4		1/4		1/4		1/4	4,857.94	1/4	4,527.68	1/4	4,183.88	1/4	3,823.60	1/4	3,449.26	1/4	3,072.55	1/4	2,694.77		
1/2		1/2		1/2		1/2	4,850.53	1/2	4,520.67	1/2	4,176.54	1/2	3,815.91	1/2	3,441.43	1/2	3,064.68	1/2	2,686.90		
3/4		3/4		3/4		3/4	4,843.13	3/4	4,513.67	3/4	4,169.19	3/4	3,808.22	3/4	3,433.59	3/4	3,056.81	3/4	2,679.03		
4	4	4	4	4	4	4	4,835.73	4	4,506.66	4	4,161.84	4	3,800.53	4	3,425.76	4	3,048.94	4	2,671.16		
1/4		1/4		1/4		1/4	4,828.33	1/4	4,499.66	1/4	4,154.50	1/4	3,792.84	1/4	3,417.92	1/4	3,041.07	1/4	2,663.28		
1/2		1/2		1/2		1/2	4,821.64	1/2	4,492.63	1/2	4,147.12	1/2	3,785.12	1/2	3,410.09	1/2	3,033.20	1/2	2,655.41		
3/4		3/4		3/4		3/4	4,814.95	3/4	4,485.59	3/4	4,139.74	3/4	3,777.40	3/4	3,402.25	3/4	3,025.33	3/4	2,647.54		
5	5	5	5	5	5	5	4,808.26	5	4,478.56	5	4,132.37	5	3,769.68	5	3,394.41	5	3,017.46	5	2,639.67		
1/4		1/4		1/4		1/4	4,801.57	1/4	4,471.53	1/4	4,124.99	1/4	3,761.96	1/4	3,386.58	1/4	3,009.59	1/4	2,631.80		
1/2		1/2		1/2		1/2	4,794.85	1/2	4,464.47	1/2	4,117.59	1/2	3,754.21	1/2	3,378.74	1/2	3,001.72	1/2	2,623.93		
3/4		3/4		3/4		3/4	4,788.13	3/4	4,457.41	3/4	4,110.18	3/4	3,746.46	3/4	3,370.91	3/4	2,993.85	3/4	2,616.06		
6	6	6	6	6	6	6	4,781.41	6	4,450.34	6	4,102.78	6	3,738.71	6	3,363.07	6	2,985.98	6	2,608.19		
1/4		1/4		1/4		1/4	4,774.70	1/4	4,443.28	1/4	4,095.37	1/4	3,730.96	1/4	3,355.24	1/4	2,978.10	1/4	2,600.32		
1/2		1/2		1/2		1/2	4,767.95	1/2	4,436.19	1/2	4,087.94	1/2	3,723.19	1/2	3,347.40	1/2	2,970.23	1/2	2,592.45		
3/4		3/4		3/4		3/4	4,761.20	3/4	4,429.10	3/4	4,080.51	3/4	3,715.41	3/4	3,339.57	3/4	2,962.36	3/4	2,584.58		
7	7	7	7	7	7	7	4,754.45	7	4,422.01	7	4,073.07	7	3,707.63	7	3,331.73	7	2,954.49	7	2,576.71		
1/4		1/4		1/4		1/4	4,747.70	1/4	4,414.92	1/4	4,065.64	1/4	3,699.86	1/4	3,323.89	1/4	2,946.62	1/4	2,568.84		
1/2		1/2		1/2		1/2	4,740.93	1/2	4,407.80	1/2	4,058.17	1/2	3,692.05	1/2	3,316.06	1/2	2,938.75	1/2	2,560.97		
3/4		3/4		3/4		3/4	4,734.15	3/4	4,400.68	3/4	4,050.71	3/4	3,684.24	3/4	3,308.22	3/4	2,930.88	3/4	2,553.10		
8	8	8	8	8	8	8	4,727.37	8	4,393.56	8	4,043.25	8	3,676.44	8	3,300.39	8	2,923.01	8	2,545.23		
1/4		1/4		1/4		1/4	4,720.60	1/4	4,386.44	1/4	4,035.79	1/4	3,668.63	1/4	3,292.55	1/4	2,915.14	1/4	2,537.36		
1/2		1/2		1/2		1/2	4,713.79	1/2	4,379.29	1/2	4,028.29	1/2	3,660.80	1/2	3,284.72	1/2	2,907.27	1/2	2,529.49		
3/4		3/4		3/4		3/4	4,706.99	3/4	4,372.14	3/4	4,020.80	3/4	3,652.97	3/4	3,276.88	3/4	2,899.40	3/4	2,521.62		
9	9	9	9	9	9	9	4,700.18	9	4,365.00	9	4,013.31	9	3,645.15	9	3,269.05	9	2,891.53	9	2,513.75		
1/4		1/4		1/4		1/4	4,693.37	1/4	4,357.85	1/4	4,005.82	1/4	3,637.32	1/4	3,261.21	1/4	2,883.66	1/4	2,505.87		
1/2		1/2		1/2		1/2	4,686.54	1/2	4,350.67	1/2	3,998.30	1/2	3,629.48	1/2	3,253.37	1/2	2,875.79	1/2	2,498.00		
3/4		3/4		3/4		3/4	4,679.70	3/4	4,343.49	3/4	3,990.78	3/4	3,621.65	3/4	3,245.54	3/4	2,867.92	3/4	2,490.13		
10	10	10	10	10	10	10	4,672.87	10	4,336.31	10	3,983.26	10	3,613.81	10	3,237.70	10	2,860.05	10	2,482.26		
1/4		1/4		1/4		1/4	4,666.04	1/4	4,329.13	1/4	3,975.73	1/4	3,605.98	1/4	3,229.87	1/4	2,852.18	1/4	2,474.39		
1/2		1/2		1/2		1/2	4,659.17	1/2	4,321.93	1/2	3,968.18	1/2	3,598.14	1/2	3,222.02	1/2	2,844.31	1/2	2,466.52		
3/4		3/4		3/4		3/4	4,652.31	3/4	4,314.72	3/4	3,960.63	3/4	3,590.30	3/4	3,214.17	3/4	2,836.44	3/4	2,458.65		
11	11	11	11	11	11	11	4,645.44	11	4,307.51	11	3,953.08	11	3,582.47	11	3,206.33	11	2,828.57	11	2,450.78		
1/4		1/4		1/4		1/4	4,638.58	1/4	4,300.31	1/4	3,945.53	1/4	3,574.63	1/4	3,198.48	1/4	2,820.69	1/4	2,442.91		
1/2		1/2		1/2		1/2	4,631.69	1/2	4,293.07	1/2	3,937.95	1/2	3,566.80	1/2	3,190.61	1/2	2,812.82	1/2	2,435.04		
3/4		3/4		3/4		3/4	4,957.15	3/4	4,624.80	3/4	4,285.83	3/4	3,930.37	3/4	3,558.96	3/4	3,182.74	3/4	2,804.95	3/4	2,427.17

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'-09" OFF CENTERLINE AND 52'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 29132"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 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	2,419.30	0	2,041.52	0	1,663.73	0	1,285.95	0	908.46	0	530.81	0	182.71	0		0		0	
1/4	2,411.43	1/4	2,033.64	1/4	1,655.86	1/4	1,278.08	1/4	900.60	1/4	522.95	1/4	176.08	1/4	1/4	1/4		1/4	1/4
1/2	2,403.56	1/2	2,025.77	1/2	1,647.99	1/2	1,270.21	1/2	892.74	1/2	515.14	1/2	169.57	1/2	1/2	1/2		1/2	1/2
3/4	2,395.69	3/4	2,017.90	3/4	1,640.12	3/4	1,262.34	3/4	884.89	3/4	507.33	3/4	163.05	3/4	3/4	3/4		3/4	3/4
1	2,387.82	1	2,010.03	1	1,632.25	1	1,254.47	1	877.03	1	499.51	1	156.54	1	1	1		1	1
1/4	2,379.95	1/4	2,002.16	1/4	1,624.38	1/4	1,246.59	1/4	869.17	1/4	491.70	1/4	150.02	1/4	1/4	1/4		1/4	1/4
1/2	2,372.08	1/2	1,994.29	1/2	1,616.51	1/2	1,238.72	1/2	861.31	1/2	483.98	1/2	143.62	1/2	1/2	1/2		1/2	1/2
3/4	2,364.21	3/4	1,986.42	3/4	1,608.64	3/4	1,230.85	3/4	853.44	3/4	476.26	3/4	137.22	3/4	3/4	3/4		3/4	3/4
2	2,356.34	2	1,978.55	2	1,600.77	2	1,222.98	2	845.58	2	468.54	2	130.83	2	2	2		2	2
1/4	2,348.46	1/4	1,970.68	1/4	1,592.90	1/4	1,215.11	1/4	837.72	1/4	460.82	1/4	124.43	1/4	1/4	1/4		1/4	1/4
1/2	2,340.59	1/2	1,962.81	1/2	1,585.03	1/2	1,207.24	1/2	829.85	1/2	453.21	1/2	118.15	1/2	1/2	1/2		1/2	1/2
3/4	2,332.72	3/4	1,954.94	3/4	1,577.16	3/4	1,199.37	3/4	821.98	3/4	445.60	3/4	111.87	3/4	3/4	3/4		3/4	3/4
3	2,324.85	3	1,947.07	3	1,569.29	3	1,191.50	3	814.11	3	437.99	3	105.59	3	3	3		3	3
1/4	2,316.98	1/4	1,939.20	1/4	1,561.41	1/4	1,183.63	1/4	806.24	1/4	430.38	1/4	99.32	1/4	1/4	1/4		1/4	1/4
1/2	2,309.11	1/2	1,931.33	1/2	1,553.54	1/2	1,175.76	1/2	798.37	1/2	422.88	1/2	93.17	1/2	1/2	1/2		1/2	1/2
3/4	2,301.24	3/4	1,923.46	3/4	1,545.67	3/4	1,167.89	3/4	790.50	3/4	415.38	3/4	87.02	3/4	3/4	3/4		3/4	3/4
4	2,293.37	4	1,915.59	4	1,537.80	4	1,160.02	4	782.63	4	407.88	4	80.87	4	4	4		4	4
1/4	2,285.50	1/4	1,907.72	1/4	1,529.93	1/4	1,152.15	1/4	774.76	1/4	400.37	1/4	74.72	1/4	1/4	1/4		1/4	1/4
1/2	2,277.63	1/2	1,899.85	1/2	1,522.06	1/2	1,144.28	1/2	766.89	1/2	392.98	1/2	68.71	1/2	1/2	1/2		1/2	1/2
3/4	2,269.76	3/4	1,891.98	3/4	1,514.19	3/4	1,136.41	3/4	759.02	3/4	385.59	3/4	62.70	3/4	3/4	3/4		3/4	3/4
5	2,261.89	5	1,884.11	5	1,506.32	5	1,128.54	5	751.15	5	378.20	5	56.70	5	5	5		5	5
1/4	2,254.02	1/4	1,876.23	1/4	1,498.45	1/4	1,120.67	1/4	743.28	1/4	370.81	1/4	50.69	1/4	1/4	1/4		1/4	1/4
1/2	2,246.15	1/2	1,868.36	1/2	1,490.58	1/2	1,112.80	1/2	735.41	1/2	363.52	1/2	45.27	1/2	1/2	1/2		1/2	1/2
3/4	2,238.28	3/4	1,860.49	3/4	1,482.71	3/4	1,104.94	3/4	727.54	3/4	356.24	3/4	39.86	3/4	3/4	3/4		3/4	3/4
6	2,230.41	6	1,852.62	6	1,474.84	6	1,097.07	6	719.67	6	348.96	6	34.45	6	6	6		6	6
1/4	2,222.54	1/4	1,844.75	1/4	1,466.97	1/4	1,089.20	1/4	711.80	1/4	341.68	1/4	29.03	1/4	1/4	1/4		1/4	1/4
1/2	2,214.67	1/2	1,836.88	1/2	1,459.10	1/2	1,081.35	1/2	703.93	1/2	334.50	1/2	25.07	1/2	1/2	1/2		1/2	1/2
3/4	2,206.80	3/4	1,829.01	3/4	1,451.23	3/4	1,073.49	3/4	696.05	3/4	327.33	3/4	21.11	3/4	3/4	3/4		3/4	3/4
7	2,198.93	7	1,821.14	7	1,443.36	7	1,065.63	7	688.18	7	320.16	7	17.14	7	7	7		7	7
1/4	2,191.05	1/4	1,813.27	1/4	1,435.49	1/4	1,057.77	1/4	680.31	1/4	312.98	1/4	13.18	1/4	1/4	1/4		1/4	1/4
1/2	2,183.18	1/2	1,805.40	1/2	1,427.62	1/2	1,049.91	1/2	672.44	1/2	305.92	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,175.31	3/4	1,797.53	3/4	1,419.75	3/4	1,042.05	3/4	664.57	3/4	298.86	3/4		3/4	3/4	3/4		3/4	3/4
8	2,167.44	8	1,789.66	8	1,411.88	8	1,034.20	8	656.70	8	291.79	8		8	8	8		8	8
1/4	2,159.57	1/4	1,781.79	1/4	1,404.00	1/4	1,026.34	1/4	648.83	1/4	284.73	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,151.70	1/2	1,773.92	1/2	1,396.13	1/2	1,018.48	1/2	640.96	1/2	277.77	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,143.83	3/4	1,766.05	3/4	1,388.26	3/4	1,010.62	3/4	633.09	3/4	270.82	3/4		3/4	3/4	3/4		3/4	3/4
9	2,135.96	9	1,758.18	9	1,380.39	9	1,002.76	9	625.22	9	263.87	9		9	9	9		9	9
1/4	2,128.09	1/4	1,750.31	1/4	1,372.52	1/4	994.90	1/4	617.35	1/4	256.91	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,120.22	1/2	1,742.44	1/2	1,364.65	1/2	987.05	1/2	609.48	1/2	250.07	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,112.35	3/4	1,734.57	3/4	1,356.78	3/4	979.19	3/4	601.61	3/4	243.22	3/4		3/4	3/4	3/4		3/4	3/4
10	2,104.48	10	1,726.70	10	1,348.91	10	971.33	10	593.74	10	236.38	10		10	10	10		10	10
1/4	2,096.61	1/4	1,718.82	1/4	1,341.04	1/4	963.47	1/4	585.87	1/4	229.53	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,088.74	1/2	1,710.95	1/2	1,333.17	1/2	955.61	1/2	578.00	1/2	222.79	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,080.87	3/4	1,703.08	3/4	1,325.30	3/4	947.75	3/4	570.13	3/4	216.06	3/4		3/4	3/4	3/4		3/4	3/4
11	2,073.00	11	1,695.21	11	1,317.43	11	939.90	11	562.26	11	209.32	11		11	11	11		11	11
1/4	2,065.13	1/4	1,687.34	1/4	1,309.56	1/4	932.04	1/4	554.39	1/4	202.59	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,057.26	1/2	1,679.47	1/2	1,301.69	1/2	924.18	1/2	546.53	1/2	195.96	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,049.39	3/4	1,671.60	3/4	1,293.82	3/4	916.32	3/4	538.67	3/4	189.33	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/18/2014 CL
CALCULATED: 11/18/2014 CL
PRINTED: 11/18/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2014

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



BARGE "KIRBY 29132"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11

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'-09" OFF CENTERLINE AND 52'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "KIRBY 29132"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 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	2,358.54	0	1,999.37	0	1,640.20	0	1,289.94	0	945.00	0	587.20	0	228.04	0		0		0	
1/4	2,351.05	1/4	1,991.88	1/4	1,632.71	1/4	1,282.74	1/4	937.82	1/4	579.72	1/4	220.56	1/4	1/4		1/4		1/4
1/2	2,343.57	1/2	1,984.40	1/2	1,625.23	1/2	1,275.54	1/2	930.64	1/2	572.24	1/2	213.08	1/2	1/2		1/2		1/2
3/4	2,336.09	3/4	1,976.92	3/4	1,617.75	3/4	1,268.34	3/4	923.35	3/4	564.75	3/4	205.60	3/4	3/4		3/4		3/4
1	2,328.61	1	1,969.44	1	1,610.27	1	1,261.14	1	916.05	1	557.27	1	198.12	1	1		1		1
1/4	2,321.12	1/4	1,961.95	1/4	1,602.78	1/4	1,253.94	1/4	908.76	1/4	549.79	1/4	190.64	1/4	1/4		1/4		1/4
1/2	2,313.64	1/2	1,954.47	1/2	1,595.30	1/2	1,246.74	1/2	901.47	1/2	542.31	1/2	183.15	1/2	1/2		1/2		1/2
3/4	2,306.16	3/4	1,946.99	3/4	1,587.82	3/4	1,239.54	3/4	893.98	3/4	534.82	3/4	175.68	3/4	3/4		3/4		3/4
2	2,298.67	2	1,939.50	2	1,580.34	2	1,232.34	2	886.50	2	527.34	2	168.21	2	2		2		2
1/4	2,291.19	1/4	1,932.02	1/4	1,572.85	1/4	1,225.14	1/4	879.02	1/4	519.86	1/4	160.73	1/4	1/4		1/4		1/4
1/2	2,283.71	1/2	1,924.54	1/2	1,565.37	1/2	1,217.94	1/2	871.54	1/2	512.38	1/2	153.26	1/2	1/2		1/2		1/2
3/4	2,276.23	3/4	1,917.06	3/4	1,557.89	3/4	1,210.75	3/4	864.05	3/4	504.89	3/4	145.80	3/4	3/4		3/4		3/4
3	2,268.74	3	1,909.57	3	1,550.40	3	1,203.55	3	856.57	3	497.41	3	138.33	3	3		3		3
1/4	2,261.26	1/4	1,902.09	1/4	1,542.92	1/4	1,196.36	1/4	849.09	1/4	489.93	1/4	130.87	1/4	1/4		1/4		1/4
1/2	2,253.78	1/2	1,894.61	1/2	1,535.44	1/2	1,189.16	1/2	841.61	1/2	482.45	1/2	123.41	1/2	1/2		1/2		1/2
3/4	2,246.30	3/4	1,887.13	3/4	1,528.06	3/4	1,181.98	3/4	834.12	3/4	474.96	3/4	115.96	3/4	3/4		3/4		3/4
4	2,238.81	4	1,879.64	4	1,520.68	4	1,174.79	4	826.64	4	467.48	4	108.52	4	4		4		4
1/4	2,231.33	1/4	1,872.16	1/4	1,513.31	1/4	1,167.60	1/4	819.16	1/4	460.00	1/4	101.07	1/4	1/4		1/4		1/4
1/2	2,223.85	1/2	1,864.68	1/2	1,505.93	1/2	1,160.41	1/2	811.68	1/2	452.52	1/2	93.63	1/2	1/2		1/2		1/2
3/4	2,216.36	3/4	1,857.20	3/4	1,498.73	3/4	1,153.23	3/4	804.19	3/4	445.03	3/4	86.21	3/4	3/4		3/4		3/4
5	2,208.88	5	1,849.71	5	1,491.53	5	1,146.05	5	796.71	5	437.55	5	78.80	5	5		5		5
1/4	2,201.40	1/4	1,842.23	1/4	1,484.33	1/4	1,138.86	1/4	789.23	1/4	430.07	1/4	71.39	1/4	1/4		1/4		1/4
1/2	2,193.92	1/2	1,834.75	1/2	1,477.13	1/2	1,131.68	1/2	781.75	1/2	422.59	1/2	63.97	1/2	1/2		1/2		1/2
3/4	2,186.43	3/4	1,827.26	3/4	1,469.93	3/4	1,124.50	3/4	774.26	3/4	415.10	3/4	57.02	3/4	3/4		3/4		3/4
6	2,178.95	6	1,819.78	6	1,462.73	6	1,117.32	6	766.78	6	407.62	6	50.07	6	6		6		6
1/4	2,171.47	1/4	1,812.30	1/4	1,455.53	1/4	1,110.14	1/4	759.30	1/4	400.14	1/4	43.11	1/4	1/4		1/4		1/4
1/2	2,163.99	1/2	1,804.82	1/2	1,448.33	1/2	1,102.96	1/2	751.82	1/2	392.66	1/2	36.16	1/2	1/2		1/2		1/2
3/4	2,156.50	3/4	1,797.33	3/4	1,441.13	3/4	1,095.78	3/4	744.33	3/4	385.17	3/4	30.86	3/4	3/4		3/4		3/4
7	2,149.02	7	1,789.85	7	1,433.93	7	1,088.60	7	736.85	7	377.69	7	25.56	7	7		7		7
1/4	2,141.54	1/4	1,782.37	1/4	1,426.73	1/4	1,081.42	1/4	729.37	1/4	370.21	1/4	20.26	1/4	1/4		1/4		1/4
1/2	2,134.05	1/2	1,774.89	1/2	1,419.53	1/2	1,074.24	1/2	721.89	1/2	362.73	1/2	14.97	1/2	1/2		1/2		1/2
3/4	2,126.57	3/4	1,767.40	3/4	1,412.33	3/4	1,067.06	3/4	714.40	3/4	355.24	3/4		3/4	3/4		3/4		3/4
8	2,119.09	8	1,759.92	8	1,405.14	8	1,059.88	8	706.92	8	347.76	8		8	8		8		8
1/4	2,111.61	1/4	1,752.44	1/4	1,397.94	1/4	1,052.70	1/4	699.44	1/4	340.28	1/4		1/4	1/4		1/4		1/4
1/2	2,104.12	1/2	1,744.95	1/2	1,390.74	1/2	1,045.52	1/2	691.96	1/2	332.80	1/2		1/2	1/2		1/2		1/2
3/4	2,096.64	3/4	1,737.47	3/4	1,383.54	3/4	1,038.34	3/4	684.47	3/4	325.31	3/4		3/4	3/4		3/4		3/4
9	2,089.16	9	1,729.99	9	1,376.34	9	1,031.16	9	676.99	9	317.83	9		9	9		9		9
1/4	2,081.68	1/4	1,722.51	1/4	1,369.14	1/4	1,023.98	1/4	669.51	1/4	310.35	1/4		1/4	1/4		1/4		1/4
1/2	2,074.19	1/2	1,715.02	1/2	1,361.94	1/2	1,016.80	1/2	662.03	1/2	302.87	1/2		1/2	1/2		1/2		1/2
3/4	2,066.71	3/4	1,707.54	3/4	1,354.74	3/4	1,009.62	3/4	654.54	3/4	295.38	3/4		3/4	3/4		3/4		3/4
10	2,059.23	10	1,700.06	10	1,347.54	10	1,002.44	10	647.06	10	287.90	10		10	10		10		10
1/4	2,051.75	1/4	1,692.58	1/4	1,340.34	1/4	995.26	1/4	639.58	1/4	280.42	1/4		1/4	1/4		1/4		1/4
1/2	2,044.26	1/2	1,685.09	1/2	1,333.14	1/2	988.08	1/2	632.10	1/2	272.94	1/2		1/2	1/2		1/2		1/2
3/4	2,036.78	3/4	1,677.61	3/4	1,325.94	3/4	980.90	3/4	624.61	3/4	265.45	3/4		3/4	3/4		3/4		3/4
11	2,029.30	11	1,670.13	11	1,318.74	11	973.72	11	617.13	11	257.97	11		11	11		11		11
1/4	2,021.81	1/4	1,662.64	1/4	1,311.54	1/4	966.54	1/4	609.65	1/4	250.49	1/4		1/4	1/4		1/4		1/4
1/2	2,014.33	1/2	1,655.16	1/2	1,304.34	1/2	959.36	1/2	602.17	1/2	243.01	1/2		1/2	1/2		1/2		1/2
3/4	2,006.85	3/4	1,647.68	3/4	1,297.14	3/4	952.18	3/4	594.68	3/4	235.52	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/18/2014 CL
CALCULATED: 11/18/2014 CL
PRINTED: 11/18/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2014

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



BARGE "KIRBY 29132"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

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
0		0		0		0	4,789.08	0	4,472.12	0	4,148.73	0	3,810.21	0	3,457.07	0	3,099.53	0	2,740.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,783.97	1/4	4,465.54	1/4	4,141.83	1/4	3,803.00	1/4	3,449.63	1/4	3,092.05	1/4	2,733.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,778.86	1/2	4,458.96	1/2	4,134.93	1/2	3,795.79	1/2	3,442.18	1/2	3,084.57	1/2	2,725.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,772.51	3/4	4,452.36	3/4	4,128.01	3/4	3,788.55	3/4	3,434.73	3/4	3,077.09	3/4	2,718.09
1		1		1		1	4,465.17	1	4,121.09	1	3,781.31	1	3,427.29	1	3,069.61	1	2,710.61		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,759.83	1/4	4,439.15	1/4	4,114.17	1/4	3,774.07	1/4	3,419.84	1/4	3,062.13	1/4	2,703.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,753.49	1/2	4,432.55	1/2	4,107.25	1/2	3,766.83	1/2	3,412.39	1/2	3,054.65	1/2	2,695.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,746.26	3/4	4,425.91	3/4	4,100.31	3/4	3,759.57	3/4	3,404.95	3/4	3,047.17	3/4	2,688.17
2		2		2		2	4,439.04	2	4,119.28	2	4,093.36	2	3,752.31	2	3,397.50	2	3,039.69	2	2,680.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,731.81	1/4	4,412.65	1/4	4,086.42	1/4	3,745.05	1/4	3,390.05	1/4	3,032.21	1/4	2,673.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,724.58	1/2	4,406.02	1/2	4,079.47	1/2	3,737.79	1/2	3,382.60	1/2	3,024.73	1/2	2,665.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,717.14	3/4	4,399.36	3/4	4,072.50	3/4	3,730.50	3/4	3,375.16	3/4	3,017.25	3/4	2,658.25
3		3		3		3	4,409.69	3	4,392.71	3	4,065.53	3	3,723.21	3	3,367.71	3	3,009.77	3	2,650.77
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,702.24	1/4	4,386.05	1/4	4,058.55	1/4	3,715.93	1/4	3,360.26	1/4	3,002.30	1/4	2,643.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,694.80	1/2	4,379.39	1/2	4,051.58	1/2	3,708.64	1/2	3,352.82	1/2	2,994.82	1/2	2,635.81
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,687.75	3/4	4,372.71	3/4	4,044.58	3/4	3,701.33	3/4	3,345.37	3/4	2,987.34	3/4	2,628.34
4		4		4		4	4,680.70	4	4,366.02	4	4,037.58	4	3,694.01	4	3,337.92	4	2,979.86	4	2,620.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,673.65	1/4	4,359.34	1/4	4,030.58	1/4	3,686.70	1/4	3,330.48	1/4	2,972.38	1/4	2,613.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,666.60	1/2	4,352.66	1/2	4,023.59	1/2	3,679.38	1/2	3,323.03	1/2	2,964.90	1/2	2,605.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,660.20	3/4	4,345.95	3/4	4,016.56	3/4	3,672.04	3/4	3,315.58	3/4	2,957.42	3/4	2,598.42
5		5		5		5	4,653.81	5	4,339.24	5	4,009.53	5	3,664.70	5	3,308.13	5	2,949.94	5	2,590.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,647.41	1/4	4,332.53	1/4	4,002.51	1/4	3,657.36	1/4	3,300.69	1/4	2,942.46	1/4	2,583.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,641.01	1/2	4,325.82	1/2	3,995.48	1/2	3,650.02	1/2	3,293.24	1/2	2,934.98	1/2	2,575.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,634.59	3/4	4,319.08	3/4	3,988.43	3/4	3,642.65	3/4	3,285.79	3/4	2,927.50	3/4	2,568.50
6		6		6		6	4,628.17	6	4,312.34	6	3,981.38	6	3,635.29	6	3,278.35	6	2,920.02	6	2,561.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,621.75	1/4	4,305.60	1/4	3,974.33	1/4	3,627.92	1/4	3,270.90	1/4	2,912.55	1/4	2,553.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,615.33	1/2	4,298.87	1/2	3,967.28	1/2	3,620.55	1/2	3,263.45	1/2	2,905.07	1/2	2,546.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,608.88	3/4	4,292.10	3/4	3,960.20	3/4	3,613.16	3/4	3,256.01	3/4	2,897.59	3/4	2,538.59
7		7		7		7	4,602.43	7	4,285.34	7	3,953.12	7	3,605.77	7	3,248.56	7	2,890.11	7	2,531.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,595.98	1/4	4,278.58	1/4	3,946.04	1/4	3,598.37	1/4	3,241.11	1/4	2,882.63	1/4	2,523.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,589.53	1/2	4,271.81	1/2	3,938.96	1/2	3,590.98	1/2	3,233.66	1/2	2,875.15	1/2	2,516.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,583.05	3/4	4,265.02	3/4	3,931.86	3/4	3,583.56	3/4	3,226.22	3/4	2,867.67	3/4	2,508.67
8		8		8		8	4,576.58	8	4,258.23	8	3,924.75	8	3,576.14	8	3,218.77	8	2,860.19	8	2,501.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,570.10	1/4	4,251.44	1/4	3,917.65	1/4	3,568.72	1/4	3,211.32	1/4	2,852.71	1/4	2,493.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,563.63	1/2	4,244.65	1/2	3,910.54	1/2	3,561.30	1/2	3,203.88	1/2	2,845.23	1/2	2,486.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,557.12	3/4	4,237.83	3/4	3,903.41	3/4	3,553.86	3/4	3,196.43	3/4	2,837.75	3/4	2,478.75
9		9		9		9	4,550.62	9	4,231.02	9	3,896.28	9	3,546.42	9	3,188.98	9	2,830.27	9	2,471.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,544.12	1/4	4,224.20	1/4	3,889.15	1/4	3,538.98	1/4	3,181.54	1/4	2,822.79	1/4	2,463.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,537.62	1/2	4,217.38	1/2	3,882.01	1/2	3,531.54	1/2	3,174.09	1/2	2,815.32	1/2	2,456.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,531.09	3/4	4,210.54	3/4	3,874.85	3/4	3,524.10	3/4	3,166.64	3/4	2,807.84	3/4	2,448.83
10		10		10		10	4,524.56	10	4,203.69	10	3,867.70	10	3,516.65	10	3,159.19	10	2,800.36	10	2,441.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,518.03	1/4	4,196.85	1/4	3,860.54	1/4	3,509.20	1/4	3,151.75	1/4	2,792.88	1/4	2,433.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,511.50	1/2	4,190.01	1/2	3,853.38	1/2	3,501.76	1/2	3,144.30	1/2	2,785.40	1/2	2,426.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,504.94	3/4	4,183.14	3/4	3,846.19	3/4	3,494.31	3/4	3,136.85	3/4	2,777.92	3/4	2,418.92
11		11		11		11	4,498.39	11	4,176.27	11	3,839.01	11	3,486.86	11	3,129.39	11	2,770.44	11	2,411.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,491.83	1/4	4,169.40	1/4	3,831.82	1/4	3,479.42	1/4	3,121.94	1/4	2,762.96	1/4	2,403.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,485.28	1/2	4,162.53	1/2	3,824.64	1/2	3,471.97	1/2	3,114.48	1/2	2,755.48	1/2	2,396.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,478.70	3/4	4,155.63	3/4	3,817.43	3/4	3,464.52	3/4	3,107.00	3/4	2,748.00	3/4	2,389.00

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'-09" OFF CENTERLINE AND 52'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29132"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 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	2,381.52	0	2,022.52	0	1,663.52	0	1,304.52	0	945.80	0	586.92	0	227.93	0		0		0	
1/4	2,374.04	1/4	2,015.04	1/4	1,656.04	1/4	1,297.04	1/4	938.34	1/4	579.44	1/4	220.45	1/4	1/4		1/4		1/4
1/2	2,366.56	1/2	2,007.56	1/2	1,648.56	1/2	1,289.56	1/2	930.87	1/2	571.96	1/2	212.97	1/2	1/2		1/2		1/2
3/4	2,359.08	3/4	2,000.08	3/4	1,641.08	3/4	1,282.08	3/4	923.40	3/4	564.48	3/4	205.50	3/4	3/4		3/4		3/4
1	2,351.61	1	1,992.60	1	1,633.60	1	1,274.60	1	915.94	1	557.00	1	198.02	1	1		1		1
1/4	2,344.13	1/4	1,985.12	1/4	1,626.12	1/4	1,267.12	1/4	908.47	1/4	549.52	1/4	190.54	1/4	1/4		1/4		1/4
1/2	2,336.65	1/2	1,977.65	1/2	1,618.64	1/2	1,259.64	1/2	901.00	1/2	542.04	1/2	183.07	1/2	1/2		1/2		1/2
3/4	2,329.17	3/4	1,970.17	3/4	1,611.16	3/4	1,252.16	3/4	893.53	3/4	534.56	3/4	175.60	3/4	3/4		3/4		3/4
2	2,321.69	2	1,962.69	2	1,603.69	2	1,244.68	2	886.06	2	527.09	2	168.13	2	2		2		2
1/4	2,314.21	1/4	1,955.21	1/4	1,596.21	1/4	1,237.20	1/4	878.59	1/4	519.61	1/4	160.65	1/4	1/4		1/4		1/4
1/2	2,306.73	1/2	1,947.73	1/2	1,588.73	1/2	1,229.73	1/2	871.12	1/2	512.13	1/2	153.18	1/2	1/2		1/2		1/2
3/4	2,299.25	3/4	1,940.25	3/4	1,581.25	3/4	1,222.25	3/4	863.64	3/4	504.65	3/4	145.72	3/4	3/4		3/4		3/4
3	2,291.77	3	1,932.77	3	1,573.77	3	1,214.77	3	856.16	3	497.17	3	138.27	3	3		3		3
1/4	2,284.29	1/4	1,925.29	1/4	1,566.29	1/4	1,207.29	1/4	848.68	1/4	489.69	1/4	130.81	1/4	1/4		1/4		1/4
1/2	2,276.81	1/2	1,917.81	1/2	1,558.81	1/2	1,199.81	1/2	841.20	1/2	482.21	1/2	123.35	1/2	1/2		1/2		1/2
3/4	2,269.33	3/4	1,910.33	3/4	1,551.33	3/4	1,192.33	3/4	833.72	3/4	474.73	3/4	115.91	3/4	3/4		3/4		3/4
4	2,261.85	4	1,902.85	4	1,543.85	4	1,184.85	4	826.24	4	467.25	4	108.47	4	4		4		4
1/4	2,254.38	1/4	1,895.37	1/4	1,536.37	1/4	1,177.37	1/4	818.76	1/4	459.78	1/4	101.02	1/4	1/4		1/4		1/4
1/2	2,246.90	1/2	1,887.89	1/2	1,528.89	1/2	1,169.89	1/2	811.28	1/2	452.30	1/2	93.58	1/2	1/2		1/2		1/2
3/4	2,239.42	3/4	1,880.42	3/4	1,521.41	3/4	1,162.41	3/4	803.81	3/4	444.82	3/4	86.17	3/4	3/4		3/4		3/4
5	2,231.94	5	1,872.94	5	1,513.93	5	1,154.93	5	796.33	5	437.34	5	78.76	5	5		5		5
1/4	2,224.46	1/4	1,865.46	1/4	1,506.46	1/4	1,147.45	1/4	788.85	1/4	429.86	1/4	71.35	1/4	1/4		1/4		1/4
1/2	2,216.98	1/2	1,857.98	1/2	1,498.98	1/2	1,139.97	1/2	781.37	1/2	422.38	1/2	63.94	1/2	1/2		1/2		1/2
3/4	2,209.50	3/4	1,850.50	3/4	1,491.50	3/4	1,132.50	3/4	773.89	3/4	414.90	3/4	56.99	3/4	3/4		3/4		3/4
6	2,202.02	6	1,843.02	6	1,484.02	6	1,125.03	6	766.41	6	407.42	6	50.04	6	6		6		6
1/4	2,194.54	1/4	1,835.54	1/4	1,476.54	1/4	1,117.55	1/4	758.93	1/4	399.94	1/4	43.09	1/4	1/4		1/4		1/4
1/2	2,187.06	1/2	1,828.06	1/2	1,469.06	1/2	1,110.08	1/2	751.45	1/2	392.47	1/2	36.14	1/2	1/2		1/2		1/2
3/4	2,179.58	3/4	1,820.58	3/4	1,461.58	3/4	1,102.61	3/4	743.97	3/4	384.99	3/4	30.84	3/4	3/4		3/4		3/4
7	2,172.10	7	1,813.10	7	1,454.10	7	1,095.14	7	736.50	7	377.51	7	25.55	7	7		7		7
1/4	2,164.63	1/4	1,805.62	1/4	1,446.62	1/4	1,087.68	1/4	729.02	1/4	370.03	1/4	20.26	1/4	1/4		1/4		1/4
1/2	2,157.15	1/2	1,798.14	1/2	1,439.14	1/2	1,080.21	1/2	721.54	1/2	362.55	1/2	14.96	1/2	1/2		1/2		1/2
3/4	2,149.67	3/4	1,790.67	3/4	1,431.66	3/4	1,072.74	3/4	714.06	3/4	355.07	3/4		3/4	3/4		3/4		3/4
8	2,142.19	8	1,783.19	8	1,424.18	8	1,065.28	8	706.58	8	347.59	8		8	8		8		8
1/4	2,134.71	1/4	1,775.71	1/4	1,416.71	1/4	1,057.81	1/4	699.10	1/4	340.11	1/4		1/4	1/4		1/4		1/4
1/2	2,127.23	1/2	1,768.23	1/2	1,409.23	1/2	1,050.34	1/2	691.62	1/2	332.63	1/2		1/2	1/2		1/2		1/2
3/4	2,119.75	3/4	1,760.75	3/4	1,401.75	3/4	1,042.87	3/4	684.14	3/4	325.16	3/4		3/4	3/4		3/4		3/4
9	2,112.27	9	1,753.27	9	1,394.27	9	1,035.41	9	676.66	9	317.68	9		9	9		9		9
1/4	2,104.79	1/4	1,745.79	1/4	1,386.79	1/4	1,027.94	1/4	669.19	1/4	310.20	1/4		1/4	1/4		1/4		1/4
1/2	2,097.31	1/2	1,738.31	1/2	1,379.31	1/2	1,020.47	1/2	661.71	1/2	302.72	1/2		1/2	1/2		1/2		1/2
3/4	2,089.83	3/4	1,730.83	3/4	1,371.83	3/4	1,013.01	3/4	654.23	3/4	295.24	3/4		3/4	3/4		3/4		3/4
10	2,082.35	10	1,723.35	10	1,364.35	10	1,005.54	10	646.75	10	287.76	10		10	10		10		10
1/4	2,074.87	1/4	1,715.87	1/4	1,356.87	1/4	998.07	1/4	639.27	1/4	280.28	1/4		1/4	1/4		1/4		1/4
1/2	2,067.40	1/2	1,708.39	1/2	1,349.39	1/2	990.61	1/2	631.79	1/2	272.80	1/2		1/2	1/2		1/2		1/2
3/4	2,059.92	3/4	1,700.91	3/4	1,341.91	3/4	983.14	3/4	624.31	3/4	265.32	3/4		3/4	3/4		3/4		3/4
11	2,052.44	11	1,693.44	11	1,334.43	11	975.67	11	616.83	11	257.85	11		11	11		11		11
1/4	2,044.96	1/4	1,685.96	1/4	1,326.95	1/4	968.20	1/4	609.35	1/4	250.37	1/4		1/4	1/4		1/4		1/4
1/2	2,037.48	1/2	1,678.48	1/2	1,319.48	1/2	960.74	1/2	601.87	1/2	242.89	1/2		1/2	1/2		1/2		1/2
3/4	2,030.00	3/4	1,671.00	3/4	1,312.00	3/4	953.27	3/4	594.40	3/4	235.41	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/18/2014 CL
CALCULATED: 11/18/2014 CL
PRINTED: 11/18/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2014

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



BARGE "KIRBY 29132"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

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
0		0		0		0	4,352.34	0	4,111.74	0	3,865.63	0	3,607.54	0	3,337.77	0	2,985.82	0	2,629.80
1/4		1/4		1/4		1/4	4,347.71	1/4	4,106.74	1/4	3,860.38	1/4	3,602.04	1/4	3,332.07	1/4	2,978.40	1/4	2,622.38
1/2		1/2		1/2		1/2	4,343.08	1/2	4,101.74	1/2	3,855.12	1/2	3,596.54	1/2	3,326.37	1/2	2,970.98	1/2	2,614.97
3/4		3/4		3/4		3/4	4,338.94	3/4	4,096.72	3/4	3,849.85	3/4	3,591.01	3/4	3,318.95	3/4	2,963.57	3/4	2,607.55
1		1		1		1	4,334.79	1	4,091.70	1	3,844.57	1	3,585.49	1	3,311.53	1	2,956.15	1	2,600.13
1/4		1/4		1/4		1/4	4,330.64	1/4	4,086.68	1/4	3,839.30	1/4	3,579.96	1/4	3,304.11	1/4	2,948.73	1/4	2,592.72
1/2		1/2		1/2		1/2	4,326.50	1/2	4,081.66	1/2	3,834.03	1/2	3,574.43	1/2	3,296.69	1/2	2,941.31	1/2	2,585.30
3/4		3/4		3/4		3/4	4,321.15	3/4	4,076.61	3/4	3,828.74	3/4	3,568.89	3/4	3,289.27	3/4	2,933.90	3/4	2,577.88
2		2		2		2	4,315.80	2	4,071.57	2	3,823.45	2	3,563.35	2	3,281.85	2	2,926.48	2	2,570.46
1/4		1/4		1/4		1/4	4,310.45	1/4	4,066.52	1/4	3,818.15	1/4	3,557.81	1/4	3,274.43	1/4	2,919.06	1/4	2,563.05
1/2		1/2		1/2		1/2	4,305.10	1/2	4,061.48	1/2	3,812.86	1/2	3,552.26	1/2	3,267.01	1/2	2,911.65	1/2	2,555.63
3/4		3/4		3/4		3/4	4,299.40	3/4	4,056.42	3/4	3,807.55	3/4	3,546.70	3/4	3,259.59	3/4	2,904.23	3/4	2,548.21
3		3		3		3	4,293.70	3	4,051.35	3	3,802.23	3	3,541.14	3	3,252.17	3	2,896.81	3	2,540.80
1/4		1/4		1/4		1/4	4,288.00	1/4	4,046.29	1/4	3,796.92	1/4	3,535.58	1/4	3,244.75	1/4	2,889.40	1/4	2,533.38
1/2		1/2		1/2		1/2	4,282.31	1/2	4,041.23	1/2	3,791.60	1/2	3,530.01	1/2	3,237.33	1/2	2,881.98	1/2	2,525.96
3/4		3/4		3/4		3/4	4,276.61	3/4	4,036.14	3/4	3,786.27	3/4	3,524.43	3/4	3,229.91	3/4	2,874.56	3/4	2,518.55
4		4		4		4	4,270.91	4	4,031.05	4	3,780.94	4	3,518.84	4	3,222.49	4	2,867.14	4	2,511.13
1/4		1/4		1/4		1/4	4,265.21	1/4	4,025.97	1/4	3,775.60	1/4	3,513.26	1/4	3,215.07	1/4	2,859.73	1/4	2,503.71
1/2		1/2		1/2		1/2	4,259.52	1/2	4,020.88	1/2	3,770.27	1/2	3,507.67	1/2	3,207.65	1/2	2,852.31	1/2	2,496.29
3/4		3/4		3/4		3/4	4,254.66	3/4	4,015.78	3/4	3,764.91	3/4	3,502.07	3/4	3,200.26	3/4	2,844.89	3/4	2,488.88
5		5		5		5	4,249.80	5	4,010.67	5	3,759.55	5	3,496.47	5	3,192.87	5	2,837.48	5	2,481.46
1/4		1/4		1/4		1/4	4,244.94	1/4	4,005.57	1/4	3,754.20	1/4	3,490.86	1/4	3,185.47	1/4	2,830.06	1/4	2,474.04
1/2		1/2		1/2		1/2	4,240.08	1/2	4,000.46	1/2	3,748.84	1/2	3,485.26	1/2	3,178.08	1/2	2,822.64	1/2	2,466.63
3/4		3/4		3/4		3/4	4,235.21	3/4	3,995.34	3/4	3,743.47	3/4	3,479.63	3/4	3,170.69	3/4	2,815.23	3/4	2,459.21
6		6		6		6	4,230.33	6	3,990.21	6	3,738.09	6	3,474.01	6	3,163.29	6	2,807.81	6	2,451.79
1/4		1/4		1/4		1/4	4,225.46	1/4	3,985.08	1/4	3,732.72	1/4	3,468.38	1/4	3,155.90	1/4	2,800.39	1/4	2,444.38
1/2		1/2		1/2		1/2	4,220.58	1/2	3,979.95	1/2	3,727.34	1/2	3,462.75	1/2	3,148.51	1/2	2,792.97	1/2	2,436.96
3/4		3/4		3/4		3/4	4,215.68	3/4	3,974.80	3/4	3,721.94	3/4	3,457.11	3/4	3,141.12	3/4	2,785.56	3/4	2,429.54
7		7		7		7	4,210.78	7	3,969.66	7	3,716.54	7	3,451.46	7	3,133.72	7	2,778.14	7	2,422.12
1/4		1/4		1/4		1/4	4,205.88	1/4	3,964.51	1/4	3,711.15	1/4	3,445.81	1/4	3,126.33	1/4	2,770.72	1/4	2,414.71
1/2		1/2		1/2		1/2	4,200.98	1/2	3,959.36	1/2	3,705.75	1/2	3,440.17	1/2	3,118.94	1/2	2,763.31	1/2	2,407.29
3/4		3/4		3/4		3/4	4,196.06	3/4	3,954.19	3/4	3,700.33	3/4	3,434.50	3/4	3,111.54	3/4	2,755.89	3/4	2,399.87
8		8		8		8	4,191.14	8	3,949.02	8	3,694.91	8	3,428.83	8	3,104.15	8	2,748.47	8	2,392.46
1/4		1/4		1/4		1/4	4,186.22	1/4	3,943.85	1/4	3,689.50	1/4	3,423.16	1/4	3,096.76	1/4	2,741.06	1/4	2,385.04
1/2		1/2		1/2		1/2	4,181.31	1/2	3,938.68	1/2	3,684.08	1/2	3,417.49	1/2	3,089.37	1/2	2,733.64	1/2	2,377.62
3/4		3/4		3/4		3/4	4,176.36	3/4	3,933.49	3/4	3,678.64	3/4	3,411.80	3/4	3,081.97	3/4	2,726.22	3/4	2,370.20
9		9		9		9	4,171.42	9	3,928.30	9	3,673.20	9	3,406.12	9	3,074.58	9	2,718.80	9	2,362.79
1/4		1/4		1/4		1/4	4,166.48	1/4	3,923.11	1/4	3,667.76	1/4	3,400.43	1/4	3,067.19	1/4	2,711.39	1/4	2,355.37
1/2		1/2		1/2		1/2	4,161.53	1/2	3,917.92	1/2	3,662.32	1/2	3,394.74	1/2	3,059.79	1/2	2,703.97	1/2	2,347.95
3/4		3/4		3/4		3/4	4,156.57	3/4	3,912.71	3/4	3,656.86	3/4	3,389.04	3/4	3,052.40	3/4	2,696.55	3/4	2,340.53
10		10		10		10	4,151.61	10	3,907.50	10	3,651.40	10	3,383.35	10	3,045.01	10	2,689.14	10	2,333.12
1/4		1/4		1/4		1/4	4,146.65	1/4	3,902.28	1/4	3,645.94	1/4	3,377.65	1/4	3,037.61	1/4	2,681.72	1/4	2,325.70
1/2		1/2		1/2		1/2	4,141.69	1/2	3,897.07	1/2	3,640.48	1/2	3,371.95	1/2	3,030.22	1/2	2,674.30	1/2	2,318.28
3/4		3/4		3/4		3/4	4,136.71	3/4	3,891.84	3/4	3,635.00	3/4	3,366.25	3/4	3,022.83	3/4	2,666.89	3/4	2,310.86
11		11		11		11	4,131.72	11	3,886.61	11	3,629.51	11	3,360.56	11	3,015.44	11	2,659.47	11	2,303.45
1/4		1/4		1/4		1/4	4,126.73	1/4	3,881.38	1/4	3,624.03	1/4	3,354.86	1/4	3,008.04	1/4	2,652.05	1/4	2,296.03
1/2		1/2		1/2		1/2	4,361.60	1/2	4,121.75	1/2	3,876.15	1/2	3,618.54	1/2	3,000.65	1/2	2,644.63	1/2	2,288.61
3/4		3/4		3/4		3/4	4,356.97	3/4	4,116.75	3/4	3,870.89	3/4	3,613.04	3/4	2,993.23	3/4	2,637.22	3/4	2,281.19

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'-09" OFF CENTERLINE AND 52'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29132"

3 PORT 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	2,273.78	0	1,917.31	0	1,561.81	0	1,205.68	0	861.84	0	505.28	0	148.50	0		0		0	
1/4	2,266.36	1/4	1,909.88	1/4	1,554.40	1/4	1,198.52	1/4	854.43	1/4	497.85	1/4	141.07	1/4		1/4		1/4	
1/2	2,258.94	1/2	1,902.45	1/2	1,547.00	1/2	1,191.36	1/2	847.02	1/2	490.42	1/2	133.64	1/2		1/2		1/2	
3/4	2,251.52	3/4	1,895.05	3/4	1,539.57	3/4	1,184.19	3/4	839.61	3/4	482.98	3/4	126.20	3/4		3/4		3/4	
1	2,244.11	1	1,887.64	1	1,532.13	1	1,177.03	1	832.20	1	475.55	1	118.77	1		1		1	
1/4	2,236.69	1/4	1,880.24	1/4	1,524.70	1/4	1,169.86	1/4	824.79	1/4	468.12	1/4	111.34	1/4		1/4		1/4	
1/2	2,229.27	1/2	1,872.83	1/2	1,517.27	1/2	1,162.70	1/2	817.38	1/2	460.68	1/2	103.91	1/2		1/2		1/2	
3/4	2,221.85	3/4	1,865.42	3/4	1,509.84	3/4	1,155.54	3/4	809.97	3/4	453.25	3/4	96.79	3/4		3/4		3/4	
2	2,214.44	2	1,858.02	2	1,502.41	2	1,148.37	2	802.55	2	445.82	2	89.67	2		2		2	
1/4	2,207.02	1/4	1,850.61	1/4	1,494.98	1/4	1,141.21	1/4	795.14	1/4	438.39	1/4	82.55	1/4		1/4		1/4	
1/2	2,199.60	1/2	1,843.21	1/2	1,487.54	1/2	1,134.04	1/2	787.73	1/2	430.95	1/2	75.44	1/2		1/2		1/2	
3/4	2,192.18	3/4	1,835.80	3/4	1,480.11	3/4	1,126.88	3/4	780.30	3/4	423.52	3/4	69.26	3/4		3/4		3/4	
3	2,184.77	3	1,828.40	3	1,472.68	3	1,119.72	3	772.87	3	416.09	3	63.08	3		3		3	
1/4	2,177.35	1/4	1,820.99	1/4	1,465.25	1/4	1,112.55	1/4	765.43	1/4	408.65	1/4	56.90	1/4		1/4		1/4	
1/2	2,169.93	1/2	1,813.59	1/2	1,457.82	1/2	1,105.39	1/2	758.00	1/2	401.22	1/2	50.72	1/2		1/2		1/2	
3/4	2,162.51	3/4	1,806.18	3/4	1,450.39	3/4	1,098.22	3/4	750.57	3/4	393.79	3/4	45.80	3/4		3/4		3/4	
4	2,155.10	4	1,798.78	4	1,442.96	4	1,091.06	4	743.13	4	386.36	4	40.88	4		4		4	
1/4	2,147.68	1/4	1,791.37	1/4	1,435.52	1/4	1,083.90	1/4	735.70	1/4	378.92	1/4	35.95	1/4		1/4		1/4	
1/2	2,140.26	1/2	1,783.97	1/2	1,428.09	1/2	1,076.73	1/2	728.27	1/2	371.49	1/2	31.03	1/2		1/2		1/2	
3/4	2,132.83	3/4	1,776.56	3/4	1,420.66	3/4	1,069.58	3/4	720.84	3/4	364.06	3/4	27.37	3/4		3/4		3/4	
5	2,125.40	5	1,769.16	5	1,413.23	5	1,062.43	5	713.40	5	356.62	5	23.70	5		5		5	
1/4	2,117.97	1/4	1,761.75	1/4	1,405.80	1/4	1,055.28	1/4	705.97	1/4	349.19	1/4	20.04	1/4		1/4		1/4	
1/2	2,110.54	1/2	1,754.35	1/2	1,398.37	1/2	1,048.13	1/2	698.54	1/2	341.76	1/2	16.38	1/2		1/2		1/2	
3/4	2,103.10	3/4	1,746.94	3/4	1,390.94	3/4	1,040.98	3/4	691.10	3/4	334.33	3/4		3/4		3/4		3/4	
6	2,095.67	6	1,739.53	6	1,383.50	6	1,033.83	6	683.67	6	326.89	6		6		6		6	
1/4	2,088.24	1/4	1,732.13	1/4	1,376.07	1/4	1,026.68	1/4	676.24	1/4	319.46	1/4		1/4		1/4		1/4	
1/2	2,080.81	1/2	1,724.72	1/2	1,368.64	1/2	1,019.53	1/2	668.81	1/2	312.03	1/2		1/2		1/2		1/2	
3/4	2,073.38	3/4	1,717.32	3/4	1,361.21	3/4	1,012.39	3/4	661.37	3/4	304.59	3/4		3/4		3/4		3/4	
7	2,065.95	7	1,709.91	7	1,353.78	7	1,005.24	7	653.94	7	297.16	7		7		7		7	
1/4	2,058.51	1/4	1,702.51	1/4	1,346.35	1/4	998.10	1/4	646.51	1/4	289.73	1/4		1/4		1/4		1/4	
1/2	2,051.08	1/2	1,695.10	1/2	1,338.91	1/2	990.95	1/2	639.07	1/2	282.29	1/2		1/2		1/2		1/2	
3/4	2,043.65	3/4	1,687.70	3/4	1,331.48	3/4	983.81	3/4	631.64	3/4	274.86	3/4		3/4		3/4		3/4	
8	2,036.22	8	1,680.29	8	1,324.05	8	976.66	8	624.21	8	267.43	8		8		8		8	
1/4	2,028.79	1/4	1,672.89	1/4	1,316.62	1/4	969.52	1/4	616.78	1/4	260.00	1/4		1/4		1/4		1/4	
1/2	2,021.36	1/2	1,665.48	1/2	1,309.19	1/2	962.38	1/2	609.34	1/2	252.56	1/2		1/2		1/2		1/2	
3/4	2,013.93	3/4	1,658.08	3/4	1,301.76	3/4	955.24	3/4	601.91	3/4	245.13	3/4		3/4		3/4		3/4	
9	2,006.49	9	1,650.67	9	1,294.33	9	948.09	9	594.48	9	237.70	9		9		9		9	
1/4	1,999.06	1/4	1,643.27	1/4	1,286.89	1/4	940.95	1/4	587.04	1/4	230.26	1/4		1/4		1/4		1/4	
1/2	1,991.63	1/2	1,635.86	1/2	1,279.46	1/2	933.81	1/2	579.61	1/2	222.83	1/2		1/2		1/2		1/2	
3/4	1,984.20	3/4	1,628.46	3/4	1,272.03	3/4	926.67	3/4	572.18	3/4	215.40	3/4		3/4		3/4		3/4	
10	1,976.77	10	1,621.05	10	1,264.60	10	919.52	10	564.74	10	207.97	10		10		10		10	
1/4	1,969.34	1/4	1,613.64	1/4	1,257.17	1/4	912.38	1/4	557.31	1/4	200.53	1/4		1/4		1/4		1/4	
1/2	1,961.90	1/2	1,606.24	1/2	1,249.74	1/2	905.24	1/2	549.88	1/2	193.10	1/2		1/2		1/2		1/2	
3/4	1,954.47	3/4	1,598.83	3/4	1,242.31	3/4	898.10	3/4	542.45	3/4	185.67	3/4		3/4		3/4		3/4	
11	1,947.04	11	1,591.43	11	1,234.87	11	890.95	11	535.01	11	178.23	11		11		11		11	
1/4	1,939.61	1/4	1,584.02	1/4	1,227.44	1/4	883.81	1/4	527.58	1/4	170.80	1/4		1/4		1/4		1/4	
1/2	1,932.18	1/2	1,576.62	1/2	1,220.01	1/2	876.67	1/2	520.15	1/2	163.37	1/2		1/2		1/2		1/2	
3/4	1,924.75	3/4	1,569.21	3/4	1,212.85	3/4	869.26	3/4	512.71	3/4	155.94	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/18/2014 CL
CALCULATED: 11/18/2014 CL
PRINTED: 11/18/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2014

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



BARGE "KIRBY 29132"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							4,381.31		4,139.50		3,892.17		3,632.85		3,361.82		3,007.83		2,650.40
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,376.66	1/4	4,134.47	1/4	3,886.89	1/4	3,627.32	1/4	3,356.10	1/4	3,000.39	1/4	2,642.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,372.00	1/2	4,129.44	1/2	3,881.61	1/2	3,621.79	1/2	3,350.37	1/2	2,992.94	1/2	2,635.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,367.83	3/4	4,124.40	3/4	3,876.31	3/4	3,616.24	3/4	3,342.93	3/4	2,985.49	3/4	2,628.06
1	1	1	1	1	1	1	4,419.35	1	4,119.35	1	3,871.01	1	3,610.69	1	3,335.48	1	2,978.05	1	2,620.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,359.49	1/4	4,114.31	1/4	3,865.71	1/4	3,605.13	1/4	3,328.03	1/4	2,970.60	1/4	2,613.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,355.32	1/2	4,109.26	1/2	3,860.41	1/2	3,599.58	1/2	3,320.59	1/2	2,963.16	1/2	2,605.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,349.94	3/4	4,104.19	3/4	3,855.10	3/4	3,594.01	3/4	3,313.14	3/4	2,955.71	3/4	2,598.28
2	2	2	2	2	2	2	4,344.57	2	4,099.12	2	3,849.78	2	3,588.44	2	3,305.69	2	2,948.26	2	2,590.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,339.19	1/4	4,094.05	1/4	3,844.46	1/4	3,582.88	1/4	3,298.25	1/4	2,940.82	1/4	2,583.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,333.82	1/2	4,088.98	1/2	3,839.15	1/2	3,577.31	1/2	3,290.80	1/2	2,933.37	1/2	2,575.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,328.09	3/4	4,083.89	3/4	3,833.80	3/4	3,571.72	3/4	3,283.35	3/4	2,925.92	3/4	2,568.49
3	3	3	3	3	3	3	4,322.37	3	4,078.80	3	3,828.46	3	3,566.13	3	3,275.91	3	2,918.48	3	2,561.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,316.65	1/4	4,073.72	1/4	3,823.12	1/4	3,560.54	1/4	3,268.46	1/4	2,911.03	1/4	2,553.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,310.92	1/2	4,068.63	1/2	3,817.78	1/2	3,554.96	1/2	3,261.02	1/2	2,903.58	1/2	2,546.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,305.20	3/4	4,063.52	3/4	3,812.43	3/4	3,549.34	3/4	3,253.57	3/4	2,896.14	3/4	2,538.70
4	4	4	4	4	4	4	4,299.48	4	4,058.40	4	3,807.07	4	3,543.73	4	3,246.12	4	2,888.69	4	2,531.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,293.75	1/4	4,053.29	1/4	3,801.71	1/4	3,538.12	1/4	3,238.68	1/4	2,881.24	1/4	2,523.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,288.03	1/2	4,048.18	1/2	3,796.35	1/2	3,532.51	1/2	3,231.23	1/2	2,873.80	1/2	2,516.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,283.15	3/4	4,043.05	3/4	3,790.97	3/4	3,526.88	3/4	3,223.78	3/4	2,866.35	3/4	2,508.92
5	5	5	5	5	5	5	4,278.27	5	4,037.92	5	3,785.58	5	3,521.25	5	3,216.34	5	2,858.90	5	2,501.47
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,273.38	1/4	4,032.79	1/4	3,780.20	1/4	3,515.62	1/4	3,208.89	1/4	2,851.46	1/4	2,494.03
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,268.50	1/2	4,027.66	1/2	3,774.82	1/2	3,509.99	1/2	3,201.44	1/2	2,844.01	1/2	2,486.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,263.60	3/4	4,022.51	3/4	3,769.42	3/4	3,504.34	3/4	3,194.00	3/4	2,836.56	3/4	2,479.13
6	6	6	6	6	6	6	4,258.70	6	4,017.35	6	3,764.02	6	3,498.69	6	3,186.55	6	2,829.12	6	2,471.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,253.79	1/4	4,012.20	1/4	3,758.62	1/4	3,493.03	1/4	3,179.10	1/4	2,821.67	1/4	2,464.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,248.89	1/2	4,007.05	1/2	3,753.22	1/2	3,487.38	1/2	3,171.66	1/2	2,814.23	1/2	2,456.79
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,243.97	3/4	4,001.87	3/4	3,747.79	3/4	3,481.71	3/4	3,164.21	3/4	2,806.78	3/4	2,449.35
7	7	7	7	7	7	7	4,239.04	7	3,996.70	7	3,742.37	7	3,476.04	7	3,156.76	7	2,799.33	7	2,441.90
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,234.12	1/4	3,991.53	1/4	3,736.94	1/4	3,470.37	1/4	3,149.32	1/4	2,791.89	1/4	2,434.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,229.19	1/2	3,986.36	1/2	3,731.52	1/2	3,464.69	1/2	3,141.87	1/2	2,784.44	1/2	2,427.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,224.25	3/4	3,981.16	3/4	3,726.07	3/4	3,459.00	3/4	3,134.42	3/4	2,776.99	3/4	2,419.56
8	8	8	8	8	8	8	4,219.30	8	3,975.96	8	3,720.63	8	3,453.30	8	3,126.98	8	2,769.55	8	2,412.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,214.36	1/4	3,970.77	1/4	3,715.19	1/4	3,447.61	1/4	3,119.53	1/4	2,762.10	1/4	2,404.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,209.42	1/2	3,965.57	1/2	3,709.75	1/2	3,441.91	1/2	3,112.09	1/2	2,754.65	1/2	2,397.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,204.45	3/4	3,960.36	3/4	3,704.28	3/4	3,436.20	3/4	3,104.64	3/4	2,747.21	3/4	2,389.77
9	9	9	9	9	9	9	4,199.48	9	3,955.14	9	3,698.81	9	3,430.49	9	3,097.19	9	2,739.76	9	2,382.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,194.51	1/4	3,949.93	1/4	3,693.35	1/4	3,424.77	1/4	3,089.75	1/4	2,732.31	1/4	2,374.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,189.54	1/2	3,944.71	1/2	3,687.88	1/2	3,419.06	1/2	3,082.30	1/2	2,724.87	1/2	2,367.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,184.56	3/4	3,939.48	3/4	3,682.39	3/4	3,413.33	3/4	3,074.85	3/4	2,717.42	3/4	2,359.99
10	10	10	10	10	10	10	4,179.57	10	3,934.24	10	3,676.91	10	3,407.61	10	3,067.41	10	2,709.97	10	2,352.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,174.58	1/4	3,929.00	1/4	3,671.42	1/4	3,401.89	1/4	3,059.96	1/4	2,702.53	1/4	2,345.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,169.60	1/2	3,923.76	1/2	3,665.94	1/2	3,396.16	1/2	3,052.51	1/2	2,695.08	1/2	2,337.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,164.59	3/4	3,918.50	3/4	3,660.43	3/4	3,390.44	3/4	3,045.07	3/4	2,687.63	3/4	2,330.20
11	11	11	11	11	11	11	4,159.58	11	3,913.25	11	3,654.92	11	3,384.72	11	3,037.62	11	2,680.19	11	2,322.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,154.57	1/4	3,907.99	1/4	3,649.41	1/4	3,378.99	1/4	3,030.17	1/4	2,672.74	1/4	2,315.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,390.62	1/2	4,149.55	1/2	3,902.73	1/2	3,643.90	1/2	3,373.27	1/2	3,022.73	1/2	2,665.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,385.97	3/4	4,144.53	3/4	3,897.45	3/4	3,638.37	3/4	3,367.54	3/4	3,015.28	3/4	2,657.85

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'-09" OFF CENTERLINE AND 52'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29132"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	2,292.97		1,935.54		1,578.11		1,220.67		863.51		506.21		148.78								
1/4	2,285.52	1/4	1,928.09	1/4	1,570.66	1/4	1,213.23	1/4	856.07	1/4	498.76	1/4	141.34	1/4		1/4		1/4		1/4	
1/2	2,278.08	1/2	1,920.65	1/2	1,563.21	1/2	1,205.78	1/2	848.64	1/2	491.31	1/2	133.89	1/2		1/2		1/2		1/2	
3/4	2,270.63	3/4	1,913.20	3/4	1,555.77	3/4	1,198.33	3/4	841.21	3/4	483.87	3/4	126.44	3/4		3/4		3/4		3/4	
1	2,263.18	1	1,905.75	1	1,548.32	1	1,190.89	1	833.77	1	476.42	1	119.00	1		1		1		1	
1/4	2,255.74	1/4	1,898.31	1/4	1,540.87	1/4	1,183.44	1/4	826.34	1/4	468.97	1/4	111.55	1/4		1/4		1/4		1/4	
1/2	2,248.29	1/2	1,890.86	1/2	1,533.43	1/2	1,176.00	1/2	818.90	1/2	461.53	1/2	104.11	1/2		1/2		1/2		1/2	
3/4	2,240.84	3/4	1,883.41	3/4	1,525.98	3/4	1,168.55	3/4	811.47	3/4	454.08	3/4	96.98	3/4		3/4		3/4		3/4	
2	2,233.40	2	1,875.97	2	1,518.53	2	1,161.10	2	804.03	2	446.63	2	89.85	2		2		2		2	
1/4	2,225.95	1/4	1,868.52	1/4	1,511.09	1/4	1,153.66	1/4	796.60	1/4	439.19	1/4	82.71	1/4		1/4		1/4		1/4	
1/2	2,218.51	1/2	1,861.07	1/2	1,503.64	1/2	1,146.21	1/2	789.16	1/2	431.74	1/2	75.58	1/2		1/2		1/2		1/2	
3/4	2,211.06	3/4	1,853.63	3/4	1,496.19	3/4	1,138.76	3/4	781.72	3/4	424.30	3/4	69.39	3/4		3/4		3/4		3/4	
3	2,203.61	3	1,846.18	3	1,488.75	3	1,131.32	3	774.27	3	416.85	3	63.20	3		3		3		3	
1/4	2,196.17	1/4	1,838.73	1/4	1,481.30	1/4	1,123.87	1/4	766.83	1/4	409.40	1/4	57.01	1/4		1/4		1/4		1/4	
1/2	2,188.72	1/2	1,831.29	1/2	1,473.86	1/2	1,116.42	1/2	759.38	1/2	401.96	1/2	50.82	1/2		1/2		1/2		1/2	
3/4	2,181.27	3/4	1,823.84	3/4	1,466.41	3/4	1,108.98	3/4	751.93	3/4	394.51	3/4	45.88	3/4		3/4		3/4		3/4	
4	2,173.83	4	1,816.39	4	1,458.96	4	1,101.53	4	744.49	4	387.06	4	40.94	4		4		4		4	
1/4	2,166.38	1/4	1,808.95	1/4	1,451.52	1/4	1,094.08	1/4	737.04	1/4	379.62	1/4	36.01	1/4		1/4		1/4		1/4	
1/2	2,158.93	1/2	1,801.50	1/2	1,444.07	1/2	1,086.64	1/2	729.59	1/2	372.17	1/2	31.07	1/2		1/2		1/2		1/2	
3/4	2,151.49	3/4	1,794.05	3/4	1,436.62	3/4	1,079.19	3/4	722.15	3/4	364.73	3/4	27.40	3/4		3/4		3/4		3/4	
5	2,144.04	5	1,786.61	5	1,429.18	5	1,071.74	5	714.70	5	357.28	5	23.73	5		5		5		5	
1/4	2,136.59	1/4	1,779.16	1/4	1,421.73	1/4	1,064.30	1/4	707.26	1/4	349.83	1/4	20.06	1/4		1/4		1/4		1/4	
1/2	2,129.15	1/2	1,771.72	1/2	1,414.28	1/2	1,056.85	1/2	699.81	1/2	342.39	1/2	16.38	1/2		1/2		1/2		1/2	
3/4	2,121.70	3/4	1,764.27	3/4	1,406.84	3/4	1,049.40	3/4	692.36	3/4	334.94	3/4	16.38	3/4		3/4		3/4		3/4	
6	2,114.25	6	1,756.82	6	1,399.39	6	1,041.96	6	684.92	6	327.49	6		6		6		6		6	
1/4	2,106.81	1/4	1,749.38	1/4	1,391.94	1/4	1,034.51	1/4	677.47	1/4	320.05	1/4		1/4		1/4		1/4		1/4	
1/2	2,099.36	1/2	1,741.93	1/2	1,384.50	1/2	1,027.07	1/2	670.02	1/2	312.60	1/2		1/2		1/2		1/2		1/2	
3/4	2,091.91	3/4	1,734.48	3/4	1,377.05	3/4	1,019.63	3/4	662.58	3/4	305.16	3/4		3/4		3/4		3/4		3/4	
7	2,084.47	7	1,727.04	7	1,369.60	7	1,012.20	7	655.13	7	297.71	7		7		7		7		7	
1/4	2,077.02	1/4	1,719.59	1/4	1,362.16	1/4	1,004.76	1/4	647.68	1/4	290.26	1/4		1/4		1/4		1/4		1/4	
1/2	2,069.58	1/2	1,712.14	1/2	1,354.71	1/2	997.33	1/2	640.24	1/2	282.82	1/2		1/2		1/2		1/2		1/2	
3/4	2,062.13	3/4	1,704.70	3/4	1,347.26	3/4	989.89	3/4	632.79	3/4	275.37	3/4		3/4		3/4		3/4		3/4	
8	2,054.68	8	1,697.25	8	1,339.82	8	982.46	8	625.35	8	267.92	8		8		8		8		8	
1/4	2,047.24	1/4	1,689.80	1/4	1,332.37	1/4	975.02	1/4	617.90	1/4	260.48	1/4		1/4		1/4		1/4		1/4	
1/2	2,039.79	1/2	1,682.36	1/2	1,324.93	1/2	967.59	1/2	610.45	1/2	253.03	1/2		1/2		1/2		1/2		1/2	
3/4	2,032.34	3/4	1,674.91	3/4	1,317.48	3/4	960.16	3/4	603.01	3/4	245.58	3/4		3/4		3/4		3/4		3/4	
9	2,024.90	9	1,667.46	9	1,310.03	9	952.72	9	595.56	9	238.14	9		9		9		9		9	
1/4	2,017.45	1/4	1,660.02	1/4	1,302.59	1/4	945.29	1/4	588.11	1/4	230.69	1/4		1/4		1/4		1/4		1/4	
1/2	2,010.00	1/2	1,652.57	1/2	1,295.14	1/2	937.85	1/2	580.67	1/2	223.25	1/2		1/2		1/2		1/2		1/2	
3/4	2,002.56	3/4	1,645.12	3/4	1,287.69	3/4	930.42	3/4	573.22	3/4	215.80	3/4		3/4		3/4		3/4		3/4	
10	1,995.11	10	1,637.68	10	1,280.25	10	922.98	10	565.78	10	208.35	10		10		10		10		10	
1/4	1,987.66	1/4	1,630.23	1/4	1,272.80	1/4	915.55	1/4	558.33	1/4	200.91	1/4		1/4		1/4		1/4		1/4	
1/2	1,980.22	1/2	1,622.79	1/2	1,265.35	1/2	908.12	1/2	550.88	1/2	193.46	1/2		1/2		1/2		1/2		1/2	
3/4	1,972.77	3/4	1,615.34	3/4	1,257.91	3/4	900.68	3/4	543.44	3/4	186.01	3/4		3/4		3/4		3/4		3/4	
11	1,965.32	11	1,607.89	11	1,250.46	11	893.25	11	535.99	11	178.57	11		11		11		11		11	
1/4	1,957.88	1/4	1,600.45	1/4	1,243.01	1/4	885.81	1/4	528.54	1/4	171.12	1/4		1/4		1/4		1/4		1/4	
1/2	1,950.43	1/2	1,593.00	1/2	1,235.57	1/2	878.38	1/2	521.10	1/2	163.68	1/2		1/2		1/2		1/2		1/2	
3/4	1,942.98	3/4	1,585.55	3/4	1,228.12	3/4	870.94	3/4	513.65	3/4	156.23	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/18/2014 CL
CALCULATED: 11/18/2014 CL
PRINTED: 11/18/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2014

PRECISION MEASUREMENT
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