



BARGE "KIRBY 29023"

ULLAGE TRIM TABLE
FORMERLY "SCF 1203"

	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	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
2 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
2 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
3 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
3 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 6'-00"
 DIFF. = 4'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-0/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

June 22, 2012

PRECISION MEASUREMENT
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BARGE "KIRBY 29023"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SCF 1203"

GAUGE HEIGHT 15'-05 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,767.57	0	4,410.47	0	4,052.48	0	3,694.34	0	3,336.19	0	2,978.04	0	2,619.84	0	2,261.58
1/4		1/4		1/4	4,760.13	1/4	4,403.03	1/4	4,045.02	1/4	3,686.87	1/4	3,328.73	1/4	2,970.58	1/4	2,612.37	1/4	2,254.12
1/2		1/2		1/2	4,752.69	1/2	4,395.59	1/2	4,037.56	1/2	3,679.41	1/2	3,321.27	1/2	2,963.12	1/2	2,604.91	1/2	2,246.65
3/4		3/4		3/4	4,745.25	3/4	4,388.15	3/4	4,030.10	3/4	3,671.95	3/4	3,313.80	3/4	2,955.66	3/4	2,597.45	3/4	2,239.19
1		1		1	4,737.81	1	4,380.71	1	4,022.64	1	3,664.49	1	3,306.34	1	2,948.20	1	2,589.98	1	2,231.73
1/4		1/4		1/4	4,730.37	1/4	4,373.27	1/4	4,015.18	1/4	3,657.03	1/4	3,298.88	1/4	2,940.73	1/4	2,582.52	1/4	2,224.26
1/2		1/2		1/2	4,722.93	1/2	4,365.83	1/2	4,007.71	1/2	3,649.57	1/2	3,291.42	1/2	2,933.27	1/2	2,575.06	1/2	2,216.80
3/4		3/4		3/4	4,715.49	3/4	4,358.39	3/4	4,000.25	3/4	3,642.11	3/4	3,283.96	3/4	2,925.81	3/4	2,567.59	3/4	2,209.33
2		2		2	4,708.05	2	4,350.93	2	3,992.79	2	3,634.64	2	3,276.50	2	2,918.35	2	2,560.13	2	2,201.87
1/4		1/4		1/4	4,700.61	1/4	4,343.47	1/4	3,985.33	1/4	3,627.18	1/4	3,269.04	1/4	2,910.89	1/4	2,552.66	1/4	2,194.41
1/2		1/2		1/2	4,693.17	1/2	4,336.01	1/2	3,977.87	1/2	3,619.72	1/2	3,261.57	1/2	2,903.43	1/2	2,545.20	1/2	2,186.94
3/4		3/4		3/4	4,685.73	3/4	4,328.55	3/4	3,970.41	3/4	3,612.26	3/4	3,254.11	3/4	2,895.97	3/4	2,537.74	3/4	2,179.48
3		3	5,024.38	3	4,678.30	3	4,321.09	3	3,962.95	3	3,604.80	3	3,246.65	3	2,888.50	3	2,530.27	3	2,172.02
1/4		1/4	5,019.12	1/4	4,670.86	1/4	4,313.63	1/4	3,955.48	1/4	3,597.34	1/4	3,239.19	1/4	2,881.04	1/4	2,522.81	1/4	2,164.55
1/2		1/2	5,013.85	1/2	4,663.42	1/2	4,306.17	1/2	3,948.02	1/2	3,589.88	1/2	3,231.73	1/2	2,873.58	1/2	2,515.35	1/2	2,157.09
3/4		3/4	5,008.59	3/4	4,655.98	3/4	4,298.71	3/4	3,940.56	3/4	3,582.41	3/4	3,224.27	3/4	2,866.12	3/4	2,507.88	3/4	2,149.62
4		4	5,002.08	4	4,648.54	4	4,291.25	4	3,933.10	4	3,574.95	4	3,216.81	4	2,858.66	4	2,500.42	4	2,142.16
1/4		1/4	4,995.57	1/4	4,641.10	1/4	4,283.79	1/4	3,925.64	1/4	3,567.49	1/4	3,209.34	1/4	2,851.20	1/4	2,492.96	1/4	2,134.70
1/2		1/2	4,989.07	1/2	4,633.66	1/2	4,276.33	1/2	3,918.18	1/2	3,560.03	1/2	3,201.88	1/2	2,843.74	1/2	2,485.49	1/2	2,127.23
3/4		3/4	4,982.56	3/4	4,626.22	3/4	4,268.86	3/4	3,910.72	3/4	3,552.57	3/4	3,194.42	3/4	2,836.29	3/4	2,478.03	3/4	2,119.77
5		5	4,975.30	5	4,618.78	5	4,261.40	5	3,903.26	5	3,545.11	5	3,186.96	5	2,828.82	5	2,470.56	5	2,112.31
1/4		1/4	4,968.04	1/4	4,611.34	1/4	4,253.94	1/4	3,895.79	1/4	3,537.65	1/4	3,179.50	1/4	2,821.36	1/4	2,463.10	1/4	2,104.84
1/2		1/2	4,960.78	1/2	4,603.90	1/2	4,246.48	1/2	3,888.33	1/2	3,530.19	1/2	3,172.04	1/2	2,813.89	1/2	2,455.64	1/2	2,097.38
3/4		3/4	4,953.52	3/4	4,596.46	3/4	4,239.02	3/4	3,880.87	3/4	3,522.72	3/4	3,164.58	3/4	2,806.43	3/4	2,448.17	3/4	2,089.92
6		6	4,946.10	6	4,589.02	6	4,231.56	6	3,873.41	6	3,515.26	6	3,157.12	6	2,798.97	6	2,440.71	6	2,082.45
1/4		1/4	4,938.67	1/4	4,581.58	1/4	4,224.10	1/4	3,865.95	1/4	3,507.80	1/4	3,149.65	1/4	2,791.50	1/4	2,433.25	1/4	2,074.99
1/2		1/2	4,931.25	1/2	4,574.14	1/2	4,216.63	1/2	3,858.49	1/2	3,500.34	1/2	3,142.19	1/2	2,784.04	1/2	2,425.78	1/2	2,067.52
3/4		3/4	4,923.82	3/4	4,566.70	3/4	4,209.17	3/4	3,851.03	3/4	3,492.88	3/4	3,134.73	3/4	2,776.58	3/4	2,418.32	3/4	2,060.06
7		7	4,916.38	7	4,559.26	7	4,201.71	7	3,843.56	7	3,485.42	7	3,127.27	7	2,769.11	7	2,410.85	7	2,052.60
1/4		1/4	4,908.94	1/4	4,551.82	1/4	4,194.25	1/4	3,836.10	1/4	3,477.96	1/4	3,119.81	1/4	2,761.65	1/4	2,403.39	1/4	2,045.13
1/2		1/2	4,901.50	1/2	4,544.38	1/2	4,186.79	1/2	3,828.64	1/2	3,470.49	1/2	3,112.35	1/2	2,754.18	1/2	2,395.93	1/2	2,037.67
3/4		3/4	4,894.06	3/4	4,536.94	3/4	4,179.33	3/4	3,821.18	3/4	3,463.03	3/4	3,104.89	3/4	2,746.72	3/4	2,388.46	3/4	2,030.21
8		8	4,886.62	8	4,529.50	8	4,171.87	8	3,813.72	8	3,455.57	8	3,097.42	8	2,739.26	8	2,381.00	8	2,022.74
1/4		1/4	4,879.18	1/4	4,522.06	1/4	4,164.40	1/4	3,806.26	1/4	3,448.11	1/4	3,089.96	1/4	2,731.79	1/4	2,373.54	1/4	2,015.28
1/2		1/2	4,871.74	1/2	4,514.62	1/2	4,156.94	1/2	3,798.80	1/2	3,440.65	1/2	3,082.50	1/2	2,724.33	1/2	2,366.07	1/2	2,007.81
3/4		3/4	4,864.30	3/4	4,507.18	3/4	4,149.48	3/4	3,791.33	3/4	3,433.19	3/4	3,075.04	3/4	2,716.87	3/4	2,358.61	3/4	2,000.35
9		9	4,856.86	9	4,499.74	9	4,142.02	9	3,783.87	9	3,425.73	9	3,067.58	9	2,709.40	9	2,351.14	9	1,992.89
1/4		1/4	4,849.41	1/4	4,492.30	1/4	4,134.56	1/4	3,776.41	1/4	3,418.26	1/4	3,060.12	1/4	2,701.94	1/4	2,343.68	1/4	1,985.42
1/2		1/2	4,841.97	1/2	4,484.86	1/2	4,127.10	1/2	3,768.95	1/2	3,410.80	1/2	3,052.66	1/2	2,694.47	1/2	2,336.22	1/2	1,977.96
3/4		3/4	4,834.53	3/4	4,477.42	3/4	4,119.64	3/4	3,761.49	3/4	3,403.34	3/4	3,045.19	3/4	2,687.01	3/4	2,328.75	3/4	1,970.50
10		10	4,827.09	10	4,469.98	10	4,112.17	10	3,754.03	10	3,395.88	10	3,037.73	10	2,679.55	10	2,321.29	10	1,963.03
1/4		1/4	4,819.65	1/4	4,462.54	1/4	4,104.71	1/4	3,746.57	1/4	3,388.42	1/4	3,030.27	1/4	2,672.08	1/4	2,313.83	1/4	1,955.57
1/2		1/2	4,812.21	1/2	4,455.10	1/2	4,097.25	1/2	3,739.10	1/2	3,380.96	1/2	3,022.81	1/2	2,664.62	1/2	2,306.36	1/2	1,948.11
3/4		3/4	4,804.77	3/4	4,447.66	3/4	4,089.79	3/4	3,731.64	3/4	3,373.50	3/4	3,015.35	3/4	2,657.16	3/4	2,298.90	3/4	1,940.64
11		11	4,797.33	11	4,440.22	11	4,082.33	11	3,724.18	11	3,366.03	11	3,007.89	11	2,649.69	11	2,291.44	11	1,933.18
1/4		1/4	4,789.89	1/4	4,432.79	1/4	4,074.87	1/4	3,716.72	1/4	3,358.57	1/4	3,000.43	1/4	2,642.23	1/4	2,283.97	1/4	1,925.71
1/2		1/2	4,782.45	1/2	4,425.35	1/2	4,067.41	1/2	3,709.26	1/2	3,351.11	1/2	2,992.96	1/2	2,634.77	1/2	2,276.51	1/2	1,918.25
3/4		3/4	4,775.01	3/4	4,417.91	3/4	4,059.94	3/4	3,701.80	3/4	3,343.65	3/4	2,985.50	3/4	2,627.30	3/4	2,269.04	3/4	1,910.79

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 TO TOP OF "MMC" CLOSED GAUGING VALVE.

GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "KIRBY 29023"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SCF 1203"

GAUGE HEIGHT 15'-05 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,903.32	0	1,545.07	0	1,186.81	0	829.03	0	470.91	0	136.71	0		0		0		0	
1/4	1,895.86	1/4	1,537.60	1/4	1,179.34	1/4	821.58	1/4	463.48	1/4	130.27	1/4		1/4		1/4		1/4	
1/2	1,888.40	1/2	1,530.14	1/2	1,171.88	1/2	814.14	1/2	456.05	1/2	123.83	1/2		1/2		1/2		1/2	
3/4	1,880.93	3/4	1,522.67	3/4	1,164.42	3/4	806.69	3/4	448.61	3/4	117.38	3/4		3/4		3/4		3/4	
1	1,873.47	1	1,515.21	1	1,156.95	1	799.23	1	441.26	1	111.03	1		1		1		1	
1/4	1,866.00	1/4	1,507.75	1/4	1,149.49	1/4	791.78	1/4	433.90	1/4	104.67	1/4		1/4		1/4		1/4	
1/2	1,858.54	1/2	1,500.28	1/2	1,142.03	1/2	784.33	1/2	426.54	1/2	98.31	1/2		1/2		1/2		1/2	
3/4	1,851.08	3/4	1,492.82	3/4	1,134.56	3/4	776.87	3/4	419.18	3/4	91.95	3/4		3/4		3/4		3/4	
2	1,843.61	2	1,485.36	2	1,127.10	2	769.41	2	411.90	2	85.69	2		2		2		2	
1/4	1,836.15	1/4	1,477.89	1/4	1,119.63	1/4	761.95	1/4	404.63	1/4	79.42	1/4		1/4		1/4		1/4	
1/2	1,828.69	1/2	1,470.43	1/2	1,112.17	1/2	754.48	1/2	397.35	1/2	73.15	1/2		1/2		1/2		1/2	
3/4	1,821.22	3/4	1,462.96	3/4	1,104.71	3/4	747.02	3/4	390.07	3/4	66.89	3/4		3/4		3/4		3/4	
3	1,813.76	3	1,455.50	3	1,097.25	3	739.56	3	382.88	3	60.72	3		3		3		3	
1/4	1,806.29	1/4	1,448.04	1/4	1,089.79	1/4	732.10	1/4	375.69	1/4	54.56	1/4		1/4		1/4		1/4	
1/2	1,798.83	1/2	1,440.57	1/2	1,082.33	1/2	724.63	1/2	368.50	1/2	48.40	1/2		1/2		1/2		1/2	
3/4	1,791.37	3/4	1,433.11	3/4	1,074.87	3/4	717.17	3/4	361.30	3/4	42.24	3/4		3/4		3/4		3/4	
4	1,783.90	4	1,425.65	4	1,067.41	4	709.71	4	354.20	4	36.84	4		4		4		4	
1/4	1,776.44	1/4	1,418.18	1/4	1,059.96	1/4	702.24	1/4	347.09	1/4	31.44	1/4		1/4		1/4		1/4	
1/2	1,768.98	1/2	1,410.72	1/2	1,052.50	1/2	694.78	1/2	339.98	1/2	26.04	1/2		1/2		1/2		1/2	
3/4	1,761.51	3/4	1,403.25	3/4	1,045.04	3/4	687.32	3/4	332.87	3/4	20.64	3/4		3/4		3/4		3/4	
5	1,754.05	5	1,395.79	5	1,037.59	5	679.85	5	325.84	5	16.95	5		5		5		5	
1/4	1,746.59	1/4	1,388.33	1/4	1,030.14	1/4	672.39	1/4	318.82	1/4	13.26	1/4		1/4		1/4		1/4	
1/2	1,739.12	1/2	1,380.86	1/2	1,022.69	1/2	664.93	1/2	311.79	1/2	9.56	1/2		1/2		1/2		1/2	
3/4	1,731.66	3/4	1,373.40	3/4	1,015.24	3/4	657.46	3/4	304.77	3/4	5.87	3/4		3/4		3/4		3/4	
6	1,724.19	6	1,365.94	6	1,007.79	6	650.00	6	297.82	6		6		6		6		6	
1/4	1,716.73	1/4	1,358.47	1/4	1,000.34	1/4	642.54	1/4	290.88	1/4		1/4		1/4		1/4		1/4	
1/2	1,709.27	1/2	1,351.01	1/2	992.89	1/2	635.07	1/2	283.94	1/2		1/2		1/2		1/2		1/2	
3/4	1,701.80	3/4	1,343.55	3/4	985.44	3/4	627.61	3/4	277.00	3/4		3/4		3/4		3/4		3/4	
7	1,694.34	7	1,336.08	7	977.99	7	620.15	7	270.14	7		7		7		7		7	
1/4	1,686.88	1/4	1,328.62	1/4	970.55	1/4	612.68	1/4	263.28	1/4		1/4		1/4		1/4		1/4	
1/2	1,679.41	1/2	1,321.15	1/2	963.10	1/2	605.22	1/2	256.42	1/2		1/2		1/2		1/2		1/2	
3/4	1,671.95	3/4	1,313.69	3/4	955.65	3/4	597.76	3/4	249.56	3/4		3/4		3/4		3/4		3/4	
8	1,664.48	8	1,306.23	8	948.20	8	590.29	8	242.79	8		8		8		8		8	
1/4	1,657.02	1/4	1,298.76	1/4	940.75	1/4	582.83	1/4	236.01	1/4		1/4		1/4		1/4		1/4	
1/2	1,649.56	1/2	1,291.30	1/2	933.31	1/2	575.37	1/2	229.23	1/2		1/2		1/2		1/2		1/2	
3/4	1,642.09	3/4	1,283.84	3/4	925.86	3/4	567.90	3/4	222.46	3/4		3/4		3/4		3/4		3/4	
9	1,634.63	9	1,276.37	9	918.41	9	560.44	9	215.77	9		9		9		9		9	
1/4	1,627.17	1/4	1,268.91	1/4	910.96	1/4	552.98	1/4	209.07	1/4		1/4		1/4		1/4		1/4	
1/2	1,619.70	1/2	1,261.44	1/2	903.51	1/2	545.51	1/2	202.38	1/2		1/2		1/2		1/2		1/2	
3/4	1,612.24	3/4	1,253.98	3/4	896.06	3/4	538.05	3/4	195.69	3/4		3/4		3/4		3/4		3/4	
10	1,604.77	10	1,246.52	10	888.62	10	530.59	10	189.08	10		10		10		10		10	
1/4	1,597.31	1/4	1,239.05	1/4	881.17	1/4	523.12	1/4	182.47	1/4		1/4		1/4		1/4		1/4	
1/2	1,589.85	1/2	1,231.59	1/2	873.72	1/2	515.66	1/2	175.86	1/2		1/2		1/2		1/2		1/2	
3/4	1,582.38	3/4	1,224.13	3/4	866.27	3/4	508.20	3/4	169.25	3/4		3/4		3/4		3/4		3/4	
11	1,574.92	11	1,216.66	11	858.82	11	500.73	11	162.73	11		11		11		11		11	
1/4	1,567.46	1/4	1,209.20	1/4	851.38	1/4	493.27	1/4	156.20	1/4		1/4		1/4		1/4		1/4	
1/2	1,559.99	1/2	1,201.74	1/2	843.93	1/2	485.81	1/2	149.68	1/2		1/2		1/2		1/2		1/2	
3/4	1,552.53	3/4	1,194.27	3/4	836.48	3/4	478.34	3/4	143.15	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/21/2012 CL - SW
CALCULATED: 06/22/2012 CL
NAME CHANGE: 07/07/2017

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2012

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



BARGE "KIRBY 29023"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SCF 1203"

GAUGE HEIGHT 15'-06"

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	4,776.16	0	4,417.82	0	4,059.49	0	3,701.15	0	3,342.81	0	2,984.47	0	2,626.13	0	2,267.79
1/4		1/4		1/4	4,768.70	1/4	4,410.36	1/4	4,052.02	1/4	3,693.68	1/4	3,335.34	1/4	2,977.00	1/4	2,618.66	1/4	2,260.32
1/2		1/2		1/2	4,761.23	1/2	4,402.89	1/2	4,044.55	1/2	3,686.22	1/2	3,327.88	1/2	2,969.54	1/2	2,611.20	1/2	2,252.86
3/4		3/4		3/4	4,753.77	3/4	4,395.43	3/4	4,037.09	3/4	3,678.75	3/4	3,320.41	3/4	2,962.07	3/4	2,603.73	3/4	2,245.39
1		1		1	4,746.30	1	4,387.96	1	4,029.62	1	3,671.28	1	3,312.95	1	2,954.61	1	2,596.27	1	2,237.93
1/4		1/4		1/4	4,738.84	1/4	4,380.50	1/4	4,022.16	1/4	3,663.82	1/4	3,305.48	1/4	2,947.14	1/4	2,588.80	1/4	2,230.46
1/2		1/2		1/2	4,731.37	1/2	4,373.03	1/2	4,014.69	1/2	3,656.35	1/2	3,298.01	1/2	2,939.68	1/2	2,581.34	1/2	2,223.00
3/4		3/4		3/4	4,723.91	3/4	4,365.57	3/4	4,007.23	3/4	3,648.89	3/4	3,290.55	3/4	2,932.21	3/4	2,573.87	3/4	2,215.53
2		2		2	4,716.44	2	4,358.10	2	3,999.76	2	3,641.42	2	3,283.08	2	2,924.74	2	2,566.41	2	2,208.07
1/4		1/4		1/4	4,708.98	1/4	4,350.64	1/4	3,992.30	1/4	3,633.96	1/4	3,275.62	1/4	2,917.28	1/4	2,558.94	1/4	2,200.60
1/2		1/2		1/2	4,701.51	1/2	4,343.17	1/2	3,984.83	1/2	3,626.49	1/2	3,268.15	1/2	2,909.81	1/2	2,551.47	1/2	2,193.14
3/4		3/4		3/4	4,694.04	3/4	4,335.71	3/4	3,977.37	3/4	3,619.03	3/4	3,260.69	3/4	2,902.35	3/4	2,544.01	3/4	2,185.67
3		3		3	4,686.58	3	4,328.24	3	3,969.90	3	3,611.56	3	3,253.22	3	2,894.88	3	2,536.54	3	2,178.20
1/4		1/4		1/4	5,026.39	1/4	4,679.11	1/4	4,320.77	1/4	3,962.43	1/4	3,604.10	1/4	3,245.76	1/4	2,887.42	1/4	2,170.74
1/2		1/2		1/2	5,021.10	1/2	4,671.65	1/2	4,313.31	1/2	3,954.97	1/2	3,596.63	1/2	3,238.29	1/2	2,879.95	1/2	2,163.27
3/4		3/4		3/4	5,015.81	3/4	4,664.18	3/4	4,305.84	3/4	3,947.50	3/4	3,589.16	3/4	3,230.83	3/4	2,872.49	3/4	2,155.81
4		4		4	5,010.52	4	4,656.72	4	4,298.38	4	3,940.04	4	3,581.70	4	3,223.36	4	2,865.02	4	2,148.34
1/4		1/4		1/4	5,003.99	1/4	4,649.25	1/4	4,290.91	1/4	3,932.57	1/4	3,574.23	1/4	3,215.89	1/4	2,857.56	1/4	2,140.88
1/2		1/2		1/2	4,997.46	1/2	4,641.79	1/2	4,283.45	1/2	3,925.11	1/2	3,566.77	1/2	3,208.43	1/2	2,850.09	1/2	2,133.41
3/4		3/4		3/4	4,990.93	3/4	4,634.32	3/4	4,275.98	3/4	3,917.64	3/4	3,559.30	3/4	3,200.96	3/4	2,842.62	3/4	2,125.95
5		5		5	4,984.40	5	4,626.86	5	4,268.52	5	3,910.18	5	3,551.84	5	3,193.50	5	2,835.16	5	2,118.48
1/4		1/4		1/4	4,977.12	1/4	4,619.39	1/4	4,261.05	1/4	3,902.71	1/4	3,544.37	1/4	3,186.03	1/4	2,827.69	1/4	2,111.02
1/2		1/2		1/2	4,969.84	1/2	4,611.92	1/2	4,253.59	1/2	3,895.25	1/2	3,536.91	1/2	3,178.57	1/2	2,820.23	1/2	2,103.55
3/4		3/4		3/4	4,962.55	3/4	4,604.46	3/4	4,246.12	3/4	3,887.78	3/4	3,529.44	3/4	3,171.10	3/4	2,812.76	3/4	2,096.08
6		6		6	4,955.27	6	4,596.99	6	4,238.65	6	3,880.32	6	3,521.98	6	3,163.64	6	2,805.30	6	2,088.62
1/4		1/4		1/4	4,947.82	1/4	4,589.53	1/4	4,231.19	1/4	3,872.85	1/4	3,514.51	1/4	3,156.17	1/4	2,797.83	1/4	2,081.15
1/2		1/2		1/2	4,940.37	1/2	4,582.06	1/2	4,223.72	1/2	3,865.38	1/2	3,507.05	1/2	3,148.71	1/2	2,790.37	1/2	2,073.69
3/4		3/4		3/4	4,932.92	3/4	4,574.60	3/4	4,216.26	3/4	3,857.92	3/4	3,499.58	3/4	3,141.24	3/4	2,782.90	3/4	2,066.22
7		7		7	4,925.47	7	4,567.13	7	4,208.79	7	3,850.45	7	3,492.11	7	3,133.78	7	2,775.44	7	2,058.76
1/4		1/4		1/4	4,918.01	1/4	4,559.67	1/4	4,201.33	1/4	3,842.99	1/4	3,484.65	1/4	3,126.31	1/4	2,767.97	1/4	2,051.29
1/2		1/2		1/2	4,910.55	1/2	4,552.20	1/2	4,193.86	1/2	3,835.52	1/2	3,477.18	1/2	3,118.84	1/2	2,760.51	1/2	2,043.83
3/4		3/4		3/4	4,903.09	3/4	4,544.74	3/4	4,186.40	3/4	3,828.06	3/4	3,469.72	3/4	3,111.38	3/4	2,753.04	3/4	2,036.36
8		8		8	4,895.63	8	4,537.27	8	4,178.93	8	3,820.59	8	3,462.25	8	3,103.91	8	2,745.57	8	2,028.90
1/4		1/4		1/4	4,888.16	1/4	4,529.81	1/4	4,171.47	1/4	3,813.13	1/4	3,454.79	1/4	3,096.45	1/4	2,738.11	1/4	2,021.43
1/2		1/2		1/2	4,880.69	1/2	4,522.34	1/2	4,164.00	1/2	3,805.66	1/2	3,447.32	1/2	3,088.98	1/2	2,730.64	1/2	2,013.97
3/4		3/4		3/4	4,873.22	3/4	4,514.87	3/4	4,156.54	3/4	3,798.20	3/4	3,439.86	3/4	3,081.52	3/4	2,723.18	3/4	2,006.50
9		9		9	4,865.75	9	4,507.41	9	4,149.07	9	3,790.73	9	3,432.39	9	3,074.05	9	2,715.71	9	1,999.03
1/4		1/4		1/4	4,858.28	1/4	4,499.94	1/4	4,141.60	1/4	3,783.27	1/4	3,424.93	1/4	3,066.59	1/4	2,708.25	1/4	1,991.57
1/2		1/2		1/2	4,850.82	1/2	4,492.48	1/2	4,134.14	1/2	3,775.80	1/2	3,417.46	1/2	3,059.12	1/2	2,700.78	1/2	1,984.10
3/4		3/4		3/4	4,843.35	3/4	4,485.01	3/4	4,126.67	3/4	3,768.33	3/4	3,410.00	3/4	3,051.66	3/4	2,693.32	3/4	1,976.64
10		10		10	4,835.89	10	4,477.55	10	4,119.21	10	3,760.87	10	3,402.53	10	3,044.19	10	2,685.85	10	1,969.17
1/4		1/4		1/4	4,828.42	1/4	4,470.08	1/4	4,111.74	1/4	3,753.40	1/4	3,395.06	1/4	3,036.73	1/4	2,678.39	1/4	1,961.71
1/2		1/2		1/2	4,820.96	1/2	4,462.62	1/2	4,104.28	1/2	3,745.94	1/2	3,387.60	1/2	3,029.26	1/2	2,670.92	1/2	1,954.24
3/4		3/4		3/4	4,813.49	3/4	4,455.15	3/4	4,096.81	3/4	3,738.47	3/4	3,380.13	3/4	3,021.79	3/4	2,663.46	3/4	1,946.78
11		11		11	4,806.03	11	4,447.69	11	4,089.35	11	3,731.01	11	3,372.67	11	3,014.33	11	2,655.99	11	1,939.31
1/4		1/4		1/4	4,798.56	1/4	4,440.22	1/4	4,081.88	1/4	3,723.54	1/4	3,365.20	1/4	3,006.86	1/4	2,648.52	1/4	1,931.85
1/2		1/2		1/2	4,791.09	1/2	4,432.76	1/2	4,074.42	1/2	3,716.08	1/2	3,357.74	1/2	2,999.40	1/2	2,641.06	1/2	1,924.38
3/4		3/4		3/4	4,783.63	3/4	4,425.29	3/4	4,066.95	3/4	3,708.61	3/4	3,350.27	3/4	2,991.93	3/4	2,633.59	3/4	1,916.92

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 TO TOP OF "MMC" CLOSED GAUGING VALVE.

GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 29023"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SCF 1203"

GAUGE HEIGHT 15'-06"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,909.45	0	1,551.11	0	1,192.77	0	836.40	0	478.48	0	143.20	0		0		0		0	
1/4	1,901.98	1/4	1,543.65	1/4	1,185.31	1/4	828.99	1/4	471.04	1/4	136.75	1/4		1/4		1/4		1/4	
1/2	1,894.52	1/2	1,536.18	1/2	1,177.84	1/2	821.58	1/2	463.61	1/2	130.31	1/2		1/2		1/2		1/2	
3/4	1,887.05	3/4	1,528.71	3/4	1,170.38	3/4	814.18	3/4	456.17	3/4	123.87	3/4		3/4		3/4		3/4	
1	1,879.59	1	1,521.25	1	1,162.91	1	806.77	1	448.74	1	117.42	1		1		1		1	
1/4	1,872.12	1/4	1,513.78	1/4	1,155.46	1/4	799.34	1/4	441.38	1/4	111.06	1/4		1/4		1/4		1/4	
1/2	1,864.66	1/2	1,506.32	1/2	1,148.00	1/2	791.91	1/2	434.02	1/2	104.70	1/2		1/2		1/2		1/2	
3/4	1,857.19	3/4	1,498.85	3/4	1,140.55	3/4	784.48	3/4	426.66	3/4	98.34	3/4		3/4		3/4		3/4	
2	1,849.73	2	1,491.39	2	1,133.09	2	777.06	2	419.30	2	91.98	2		2		2		2	
1/4	1,842.26	1/4	1,483.92	1/4	1,125.65	1/4	769.60	1/4	412.02	1/4	85.72	1/4		1/4		1/4		1/4	
1/2	1,834.80	1/2	1,476.46	1/2	1,118.22	1/2	762.14	1/2	404.74	1/2	79.45	1/2		1/2		1/2		1/2	
3/4	1,827.33	3/4	1,468.99	3/4	1,110.78	3/4	754.68	3/4	397.46	3/4	73.18	3/4		3/4		3/4		3/4	
3	1,819.87	3	1,461.53	3	1,103.34	3	747.22	3	390.19	3	66.91	3		3		3		3	
1/4	1,812.40	1/4	1,454.06	1/4	1,095.90	1/4	739.76	1/4	382.99	1/4	60.75	1/4		1/4		1/4		1/4	
1/2	1,804.93	1/2	1,446.60	1/2	1,088.47	1/2	732.29	1/2	375.80	1/2	54.58	1/2		1/2		1/2		1/2	
3/4	1,797.47	3/4	1,439.13	3/4	1,081.03	3/4	724.83	3/4	368.60	3/4	48.42	3/4		3/4		3/4		3/4	
4	1,790.00	4	1,431.66	4	1,073.60	4	717.36	4	361.41	4	42.25	4		4		4		4	
1/4	1,782.54	1/4	1,424.20	1/4	1,066.16	1/4	709.90	1/4	354.30	1/4	36.85	1/4		1/4		1/4		1/4	
1/2	1,775.07	1/2	1,416.73	1/2	1,058.73	1/2	702.43	1/2	347.19	1/2	31.45	1/2		1/2		1/2		1/2	
3/4	1,767.61	3/4	1,409.27	3/4	1,051.29	3/4	694.97	3/4	340.08	3/4	26.05	3/4		3/4		3/4		3/4	
5	1,760.14	5	1,401.80	5	1,043.86	5	687.50	5	332.97	5	20.65	5		5		5		5	
1/4	1,752.68	1/4	1,394.34	1/4	1,036.43	1/4	680.04	1/4	325.94	1/4	16.96	1/4		1/4		1/4		1/4	
1/2	1,745.21	1/2	1,386.87	1/2	1,029.01	1/2	672.57	1/2	318.91	1/2	13.26	1/2		1/2		1/2		1/2	
3/4	1,737.75	3/4	1,379.41	3/4	1,021.59	3/4	665.11	3/4	311.88	3/4	9.57	3/4		3/4		3/4		3/4	
6	1,730.28	6	1,371.94	6	1,014.16	6	657.64	6	304.86	6	5.88	6		6		6		6	
1/4	1,722.81	1/4	1,364.48	1/4	1,006.75	1/4	650.18	1/4	297.91	1/4		1/4		1/4		1/4		1/4	
1/2	1,715.35	1/2	1,357.01	1/2	999.34	1/2	642.71	1/2	290.97	1/2		1/2		1/2		1/2		1/2	
3/4	1,707.88	3/4	1,349.54	3/4	991.93	3/4	635.25	3/4	284.02	3/4		3/4		3/4		3/4		3/4	
7	1,700.42	7	1,342.08	7	984.52	7	627.78	7	277.08	7		7		7		7		7	
1/4	1,692.95	1/4	1,334.61	1/4	977.12	1/4	620.32	1/4	270.22	1/4		1/4		1/4		1/4		1/4	
1/2	1,685.49	1/2	1,327.15	1/2	969.71	1/2	612.85	1/2	263.36	1/2		1/2		1/2		1/2		1/2	
3/4	1,678.02	3/4	1,319.68	3/4	962.30	3/4	605.38	3/4	256.50	3/4		3/4		3/4		3/4		3/4	
8	1,670.56	8	1,312.22	8	954.90	8	597.92	8	249.64	8		8		8		8		8	
1/4	1,663.09	1/4	1,304.75	1/4	947.49	1/4	590.45	1/4	242.86	1/4		1/4		1/4		1/4		1/4	
1/2	1,655.63	1/2	1,297.29	1/2	940.08	1/2	582.99	1/2	236.08	1/2		1/2		1/2		1/2		1/2	
3/4	1,648.16	3/4	1,289.82	3/4	932.68	3/4	575.52	3/4	229.30	3/4		3/4		3/4		3/4		3/4	
9	1,640.70	9	1,282.36	9	925.27	9	568.06	9	222.53	9		9		9		9		9	
1/4	1,633.23	1/4	1,274.89	1/4	917.87	1/4	560.59	1/4	215.83	1/4		1/4		1/4		1/4		1/4	
1/2	1,625.76	1/2	1,267.43	1/2	910.46	1/2	553.13	1/2	209.14	1/2		1/2		1/2		1/2		1/2	
3/4	1,618.30	3/4	1,259.96	3/4	903.05	3/4	545.66	3/4	202.44	3/4		3/4		3/4		3/4		3/4	
10	1,610.83	10	1,252.49	10	895.65	10	538.20	10	195.75	10		10		10		10		10	
1/4	1,603.37	1/4	1,245.03	1/4	888.24	1/4	530.73	1/4	189.14	1/4		1/4		1/4		1/4		1/4	
1/2	1,595.90	1/2	1,237.56	1/2	880.83	1/2	523.27	1/2	182.53	1/2		1/2		1/2		1/2		1/2	
3/4	1,588.44	3/4	1,230.10	3/4	873.43	3/4	515.80	3/4	175.92	3/4		3/4		3/4		3/4		3/4	
11	1,580.97	11	1,222.63	11	866.02	11	508.34	11	169.31	11		11		11		11		11	
1/4	1,573.51	1/4	1,215.17	1/4	858.61	1/4	500.87	1/4	162.78	1/4		1/4		1/4		1/4		1/4	
1/2	1,566.04	1/2	1,207.70	1/2	851.21	1/2	493.41	1/2	156.25	1/2		1/2		1/2		1/2		1/2	
3/4	1,558.58	3/4	1,200.24	3/4	843.80	3/4	485.94	3/4	149.73	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/21/2012 CL - SW
CALCULATED: 06/22/2012 CL
NAME CHANGE: 07/07/2017

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2012

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



BARGE "KIRBY 29023"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SCF 1203"

GAUGE HEIGHT 15'-05 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,834.02	0	4,475.83	0	4,116.72	0	3,757.49	0	3,398.25	0	3,039.01	0	2,679.71	0	2,320.37
1/4		1/4		1/4	4,826.56	1/4	4,468.37	1/4	4,109.24	1/4	3,750.00	1/4	3,390.77	1/4	3,031.53	1/4	2,672.22	1/4	2,312.88
1/2		1/2		1/2	4,819.10	1/2	4,460.91	1/2	4,101.76	1/2	3,742.52	1/2	3,383.28	1/2	3,024.05	1/2	2,664.74	1/2	2,305.39
3/4		3/4		3/4	4,811.63	3/4	4,453.44	3/4	4,094.27	3/4	3,735.03	3/4	3,375.80	3/4	3,016.56	3/4	2,657.25	3/4	2,297.91
1		1		1	4,804.17	1	4,445.98	1	4,086.79	1	3,727.55	1	3,368.31	1	3,009.08	1	2,649.76	1	2,290.42
1/4		1/4		1/4	4,796.71	1/4	4,438.52	1/4	4,079.30	1/4	3,720.07	1/4	3,360.83	1/4	3,001.59	1/4	2,642.28	1/4	2,282.93
1/2		1/2		1/2	4,789.25	1/2	4,431.04	1/2	4,071.82	1/2	3,712.58	1/2	3,353.35	1/2	2,994.11	1/2	2,634.79	1/2	2,275.45
3/4		3/4		3/4	4,781.78	3/4	4,423.56	3/4	4,064.34	3/4	3,705.10	3/4	3,345.86	3/4	2,986.62	3/4	2,627.30	3/4	2,267.96
2		2		2	4,774.32	2	4,416.08	2	4,056.85	2	3,697.61	2	3,338.38	2	2,979.14	2	2,619.82	2	2,260.47
1/4		1/4		1/4	4,766.86	1/4	4,408.60	1/4	4,049.37	1/4	3,690.13	1/4	3,330.89	1/4	2,971.66	1/4	2,612.33	1/4	2,252.99
1/2		1/2	5,106.54	1/2	4,759.40	1/2	4,401.12	1/2	4,041.88	1/2	3,682.65	1/2	3,323.41	1/2	2,964.17	1/2	2,604.84	1/2	2,245.50
3/4		3/4	5,101.26	3/4	4,751.93	3/4	4,393.64	3/4	4,034.40	3/4	3,675.16	3/4	3,315.93	3/4	2,956.69	3/4	2,597.36	3/4	2,238.02
3		3	5,095.98	3	4,744.47	3	4,386.15	3	4,026.91	3	3,667.68	3	3,308.44	3	2,949.20	3	2,589.87	3	2,230.53
1/4		1/4	5,090.69	1/4	4,737.01	1/4	4,378.67	1/4	4,019.43	1/4	3,660.19	1/4	3,300.96	1/4	2,941.72	1/4	2,582.39	1/4	2,223.04
1/2		1/2	5,084.17	1/2	4,729.55	1/2	4,371.18	1/2	4,011.95	1/2	3,652.71	1/2	3,293.47	1/2	2,934.24	1/2	2,574.90	1/2	2,215.56
3/4		3/4	5,077.64	3/4	4,722.09	3/4	4,363.70	3/4	4,004.46	3/4	3,645.23	3/4	3,285.99	3/4	2,926.75	3/4	2,567.41	3/4	2,208.07
4		4	5,071.11	4	4,714.62	4	4,356.22	4	3,996.98	4	3,637.74	4	3,278.50	4	2,919.27	4	2,559.93	4	2,200.58
1/4		1/4	5,064.58	1/4	4,707.16	1/4	4,348.73	1/4	3,989.49	1/4	3,630.26	1/4	3,271.02	1/4	2,911.78	1/4	2,552.44	1/4	2,193.10
1/2		1/2	5,057.30	1/2	4,699.70	1/2	4,341.25	1/2	3,982.01	1/2	3,622.77	1/2	3,263.54	1/2	2,904.30	1/2	2,544.95	1/2	2,185.61
3/4		3/4	5,050.02	3/4	4,692.24	3/4	4,333.76	3/4	3,974.53	3/4	3,615.29	3/4	3,256.05	3/4	2,896.81	3/4	2,537.47	3/4	2,178.13
5		5	5,042.74	5	4,684.77	5	4,326.28	5	3,967.04	5	3,607.81	5	3,248.57	5	2,889.32	5	2,529.98	5	2,170.64
1/4		1/4	5,035.46	1/4	4,677.31	1/4	4,318.79	1/4	3,959.56	1/4	3,600.32	1/4	3,241.08	1/4	2,881.84	1/4	2,522.50	1/4	2,163.15
1/2		1/2	5,028.01	1/2	4,669.85	1/2	4,311.31	1/2	3,952.07	1/2	3,592.84	1/2	3,233.60	1/2	2,874.35	1/2	2,515.01	1/2	2,155.67
3/4		3/4	5,020.56	3/4	4,662.39	3/4	4,303.83	3/4	3,944.59	3/4	3,585.35	3/4	3,226.12	3/4	2,866.87	3/4	2,507.52	3/4	2,148.18
6		6	5,013.11	6	4,654.92	6	4,296.34	6	3,937.11	6	3,577.87	6	3,218.63	6	2,859.38	6	2,500.04	6	2,140.69
1/4		1/4	5,005.67	1/4	4,647.46	1/4	4,288.86	1/4	3,929.62	1/4	3,570.38	1/4	3,211.15	1/4	2,851.89	1/4	2,492.55	1/4	2,133.21
1/2		1/2	4,998.21	1/2	4,640.00	1/2	4,281.37	1/2	3,922.14	1/2	3,562.90	1/2	3,203.66	1/2	2,844.41	1/2	2,485.06	1/2	2,125.72
3/4		3/4	4,990.75	3/4	4,632.54	3/4	4,273.89	3/4	3,914.65	3/4	3,555.42	3/4	3,196.18	3/4	2,836.92	3/4	2,477.58	3/4	2,118.24
7		7	4,983.29	7	4,625.08	7	4,266.41	7	3,907.17	7	3,547.93	7	3,188.70	7	2,829.43	7	2,470.09	7	2,110.75
1/4		1/4	4,975.83	1/4	4,617.61	1/4	4,258.92	1/4	3,899.69	1/4	3,540.45	1/4	3,181.21	1/4	2,821.95	1/4	2,462.60	1/4	2,103.26
1/2		1/2	4,968.36	1/2	4,610.15	1/2	4,251.44	1/2	3,892.20	1/2	3,532.96	1/2	3,173.73	1/2	2,814.46	1/2	2,455.12	1/2	2,095.78
3/4		3/4	4,960.90	3/4	4,602.69	3/4	4,243.95	3/4	3,884.72	3/4	3,525.48	3/4	3,166.24	3/4	2,806.97	3/4	2,447.63	3/4	2,088.29
8		8	4,953.43	8	4,595.23	8	4,236.47	8	3,877.23	8	3,518.00	8	3,158.76	8	2,799.49	8	2,440.15	8	2,080.80
1/4		1/4	4,945.97	1/4	4,587.76	1/4	4,228.99	1/4	3,869.75	1/4	3,510.51	1/4	3,151.27	1/4	2,792.00	1/4	2,432.66	1/4	2,073.32
1/2		1/2	4,938.50	1/2	4,580.30	1/2	4,221.50	1/2	3,862.26	1/2	3,503.03	1/2	3,143.79	1/2	2,784.52	1/2	2,425.17	1/2	2,065.83
3/4		3/4	4,931.04	3/4	4,572.84	3/4	4,214.02	3/4	3,854.78	3/4	3,495.54	3/4	3,136.31	3/4	2,777.03	3/4	2,417.69	3/4	2,058.34
9		9	4,923.58	9	4,565.38	9	4,206.53	9	3,847.30	9	3,488.06	9	3,128.82	9	2,769.54	9	2,410.20	9	2,050.86
1/4		1/4	4,916.11	1/4	4,557.91	1/4	4,199.05	1/4	3,839.81	1/4	3,480.58	1/4	3,121.34	1/4	2,762.06	1/4	2,402.71	1/4	2,043.37
1/2		1/2	4,908.65	1/2	4,550.45	1/2	4,191.56	1/2	3,832.33	1/2	3,473.09	1/2	3,113.85	1/2	2,754.57	1/2	2,395.23	1/2	2,035.89
3/4		3/4	4,901.18	3/4	4,542.99	3/4	4,184.08	3/4	3,824.84	3/4	3,465.61	3/4	3,106.37	3/4	2,747.08	3/4	2,387.74	3/4	2,028.40
10		10	4,893.72	10	4,535.53	10	4,176.60	10	3,817.36	10	3,458.12	10	3,098.89	10	2,739.60	10	2,380.26	10	2,020.91
1/4		1/4	4,886.26	1/4	4,528.07	1/4	4,169.11	1/4	3,809.88	1/4	3,450.64	1/4	3,091.40	1/4	2,732.11	1/4	2,372.77	1/4	2,013.43
1/2		1/2	4,878.79	1/2	4,520.60	1/2	4,161.63	1/2	3,802.39	1/2	3,443.15	1/2	3,083.92	1/2	2,724.63	1/2	2,365.28	1/2	2,005.94
3/4		3/4	4,871.33	3/4	4,513.14	3/4	4,154.14	3/4	3,794.91	3/4	3,435.67	3/4	3,076.43	3/4	2,717.14	3/4	2,357.80	3/4	1,998.45
11		11	4,863.87	11	4,505.68	11	4,146.66	11	3,787.42	11	3,428.19	11	3,068.95	11	2,709.65	11	2,350.31	11	1,990.97
1/4		1/4	4,856.41	1/4	4,498.22	1/4	4,139.18	1/4	3,779.94	1/4	3,420.70	1/4	3,061.47	1/4	2,702.17	1/4	2,342.82	1/4	1,983.48
1/2		1/2	4,848.94	1/2	4,490.75	1/2	4,131.69	1/2	3,772.46	1/2	3,413.22	1/2	3,053.98	1/2	2,694.68	1/2	2,335.34	1/2	1,976.00
3/4		3/4	4,841.48	3/4	4,483.29	3/4	4,124.21	3/4	3,764.97	3/4	3,405.73	3/4	3,046.50	3/4	2,687.19	3/4	2,327.85	3/4	1,968.51

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 TO TOP OF "MMC" CLOSED GAUGING VALVE.

GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29023"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SCF 1203"

GAUGE HEIGHT 15'-05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,961.02	0	1,601.68	0	1,242.34	0	883.51	0	524.24	0	164.91	0		0		0		0	
1/4	1,953.54	1/4	1,594.19	1/4	1,234.85	1/4	876.03	1/4	516.75	1/4	157.42	1/4		1/4		1/4		1/4	
1/2	1,946.05	1/2	1,586.71	1/2	1,227.37	1/2	868.56	1/2	509.27	1/2	149.93	1/2		1/2		1/2		1/2	
3/4	1,938.56	3/4	1,579.22	3/4	1,219.88	3/4	861.08	3/4	501.78	3/4	142.45	3/4		3/4		3/4		3/4	
1	1,931.08	1	1,571.74	1	1,212.39	1	853.61	1	494.29	1	134.96	1		1		1		1	
1/4	1,923.59	1/4	1,564.25	1/4	1,204.91	1/4	846.13	1/4	486.81	1/4	127.48	1/4		1/4		1/4		1/4	
1/2	1,916.11	1/2	1,556.76	1/2	1,197.42	1/2	838.65	1/2	479.32	1/2	120.00	1/2		1/2		1/2		1/2	
3/4	1,908.62	3/4	1,549.28	3/4	1,189.93	3/4	831.16	3/4	471.84	3/4	112.52	3/4		3/4		3/4		3/4	
2	1,901.13	2	1,541.79	2	1,182.45	2	823.68	2	464.35	2	105.05	2		2		2		2	
1/4	1,893.65	1/4	1,534.30	1/4	1,174.96	1/4	816.20	1/4	456.86	1/4	97.57	1/4		1/4		1/4		1/4	
1/2	1,886.16	1/2	1,526.82	1/2	1,167.48	1/2	808.71	1/2	449.38	1/2	90.11	1/2		1/2		1/2		1/2	
3/4	1,878.67	3/4	1,519.33	3/4	1,160.00	3/4	801.22	3/4	441.89	3/4	82.66	3/4		3/4		3/4		3/4	
3	1,871.19	3	1,511.84	3	1,152.51	3	793.74	3	434.41	3	75.20	3		3		3		3	
1/4	1,863.70	1/4	1,504.36	1/4	1,145.03	1/4	786.25	1/4	426.92	1/4	67.74	1/4		1/4		1/4		1/4	
1/2	1,856.21	1/2	1,496.87	1/2	1,137.55	1/2	778.77	1/2	419.43	1/2	60.27	1/2		1/2		1/2		1/2	
3/4	1,848.73	3/4	1,489.39	3/4	1,130.07	3/4	771.28	3/4	411.95	3/4	52.80	3/4		3/4		3/4		3/4	
4	1,841.24	4	1,481.90	4	1,122.60	4	763.79	4	404.46	4	45.32	4		4		4		4	
1/4	1,833.76	1/4	1,474.41	1/4	1,115.12	1/4	756.31	1/4	396.97	1/4	37.85	1/4		1/4		1/4		1/4	
1/2	1,826.27	1/2	1,466.93	1/2	1,107.64	1/2	748.82	1/2	389.49	1/2	30.38	1/2		1/2		1/2		1/2	
3/4	1,818.78	3/4	1,459.44	3/4	1,100.17	3/4	741.34	3/4	382.00	3/4	22.91	3/4		3/4		3/4		3/4	
5	1,811.30	5	1,451.95	5	1,092.69	5	733.85	5	374.52	5	15.43	5		5		5		5	
1/4	1,803.81	1/4	1,444.47	1/4	1,085.22	1/4	726.36	1/4	367.03	1/4	8.00	1/4		1/4		1/4		1/4	
1/2	1,796.32	1/2	1,436.98	1/2	1,077.75	1/2	718.88	1/2	359.54	1/2	0.53	1/2		1/2		1/2		1/2	
3/4	1,788.84	3/4	1,429.50	3/4	1,070.28	3/4	711.39	3/4	352.06	3/4		3/4		3/4		3/4		3/4	
6	1,781.35	6	1,422.01	6	1,062.80	6	703.91	6	344.57	6		6		6		6		6	
1/4	1,773.87	1/4	1,414.52	1/4	1,055.33	1/4	696.42	1/4	337.09	1/4		1/4		1/4		1/4		1/4	
1/2	1,766.38	1/2	1,407.04	1/2	1,047.86	1/2	688.93	1/2	329.60	1/2		1/2		1/2		1/2		1/2	
3/4	1,758.89	3/4	1,399.55	3/4	1,040.39	3/4	681.45	3/4	322.11	3/4		3/4		3/4		3/4		3/4	
7	1,751.41	7	1,392.06	7	1,032.92	7	673.96	7	314.63	7		7		7		7		7	
1/4	1,743.92	1/4	1,384.58	1/4	1,025.45	1/4	666.47	1/4	307.14	1/4		1/4		1/4		1/4		1/4	
1/2	1,736.43	1/2	1,377.09	1/2	1,017.98	1/2	658.99	1/2	299.66	1/2		1/2		1/2		1/2		1/2	
3/4	1,728.95	3/4	1,369.61	3/4	1,010.51	3/4	651.50	3/4	292.17	3/4		3/4		3/4		3/4		3/4	
8	1,721.46	8	1,362.12	8	1,003.04	8	644.02	8	284.68	8		8		8		8		8	
1/4	1,713.97	1/4	1,354.63	1/4	995.57	1/4	636.53	1/4	277.20	1/4		1/4		1/4		1/4		1/4	
1/2	1,706.49	1/2	1,347.15	1/2	988.10	1/2	629.04	1/2	269.71	1/2		1/2		1/2		1/2		1/2	
3/4	1,699.00	3/4	1,339.66	3/4	980.62	3/4	621.56	3/4	262.23	3/4		3/4		3/4		3/4		3/4	
9	1,691.52	9	1,332.17	9	973.15	9	614.07	9	254.74	9		9		9		9		9	
1/4	1,684.03	1/4	1,324.69	1/4	965.68	1/4	606.59	1/4	247.25	1/4		1/4		1/4		1/4		1/4	
1/2	1,676.54	1/2	1,317.20	1/2	958.21	1/2	599.10	1/2	239.77	1/2		1/2		1/2		1/2		1/2	
3/4	1,669.06	3/4	1,309.71	3/4	950.74	3/4	591.61	3/4	232.28	3/4		3/4		3/4		3/4		3/4	
10	1,661.57	10	1,302.23	10	943.27	10	584.13	10	224.79	10		10		10		10		10	
1/4	1,654.08	1/4	1,294.74	1/4	935.80	1/4	576.64	1/4	217.31	1/4		1/4		1/4		1/4		1/4	
1/2	1,646.60	1/2	1,287.26	1/2	928.33	1/2	569.16	1/2	209.82	1/2		1/2		1/2		1/2		1/2	
3/4	1,639.11	3/4	1,279.77	3/4	920.86	3/4	561.67	3/4	202.34	3/4		3/4		3/4		3/4		3/4	
11	1,631.63	11	1,272.28	11	913.39	11	554.18	11	194.85	11		11		11		11		11	
1/4	1,624.14	1/4	1,264.80	1/4	905.92	1/4	546.70	1/4	187.36	1/4		1/4		1/4		1/4		1/4	
1/2	1,616.65	1/2	1,257.31	1/2	898.45	1/2	539.21	1/2	179.88	1/2		1/2		1/2		1/2		1/2	
3/4	1,609.17	3/4	1,249.82	3/4	890.98	3/4	531.72	3/4	172.39	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/21/2012 CL - SW
CALCULATED: 06/22/2012 CL
NAME CHANGE: 07/07/2017

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2012

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



BARGE "KIRBY 29023"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SCF 1203"

GAUGE HEIGHT 15'-05 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,821.81	0	4,462.46	0	4,103.12	0	3,743.78	0	3,384.44	0	3,025.10	0	2,665.75	0	2,306.41
1/4		1/4		1/4	4,814.34	1/4	4,454.98	1/4	4,095.64	1/4	3,736.29	1/4	3,376.95	1/4	3,017.61	1/4	2,658.27	1/4	2,298.92
1/2		1/2		1/2	4,806.82	1/2	4,447.49	1/2	4,088.15	1/2	3,728.81	1/2	3,369.46	1/2	3,010.12	1/2	2,650.78	1/2	2,291.44
3/4		3/4		3/4	4,799.35	3/4	4,440.01	3/4	4,080.66	3/4	3,721.32	3/4	3,361.98	3/4	3,002.64	3/4	2,643.29	3/4	2,283.95
1		1		1	4,791.86	1	4,432.52	1	4,073.18	1	3,713.83	1	3,354.49	1	2,995.15	1	2,635.81	1	2,276.47
1/4		1/4		1/4	4,784.38	1/4	4,425.03	1/4	4,065.69	1/4	3,706.35	1/4	3,347.01	1/4	2,987.66	1/4	2,628.32	1/4	2,268.98
1/2		1/2		1/2	4,776.89	1/2	4,417.55	1/2	4,058.20	1/2	3,698.86	1/2	3,339.52	1/2	2,980.18	1/2	2,620.83	1/2	2,261.49
3/4		3/4		3/4	4,769.40	3/4	4,410.06	3/4	4,050.72	3/4	3,691.38	3/4	3,332.03	3/4	2,972.69	3/4	2,613.35	3/4	2,254.01
2		2		2	4,761.92	2	4,402.57	2	4,043.23	2	3,683.89	2	3,324.55	2	2,965.20	2	2,605.86	2	2,246.52
1/4		1/4		1/4	4,754.43	1/4	4,395.09	1/4	4,035.75	1/4	3,676.40	1/4	3,317.06	1/4	2,957.72	1/4	2,598.38	1/4	2,239.03
1/2		1/2	5,095.17	1/2	4,746.94	1/2	4,387.60	1/2	4,028.26	1/2	3,668.92	1/2	3,309.57	1/2	2,950.23	1/2	2,590.89	1/2	2,231.55
3/4		3/4	5,089.86	3/4	4,739.46	3/4	4,380.12	3/4	4,020.77	3/4	3,661.43	3/4	3,302.09	3/4	2,942.75	3/4	2,583.40	3/4	2,224.06
3		3	5,084.56	3	4,731.97	3	4,372.63	3	4,013.29	3	3,653.94	3	3,294.60	3	2,935.26	3	2,575.92	3	2,216.57
1/4		1/4	5,079.26	1/4	4,724.49	1/4	4,365.14	1/4	4,005.80	1/4	3,646.46	1/4	3,287.12	1/4	2,927.77	1/4	2,568.43	1/4	2,209.09
1/2		1/2	5,072.71	1/2	4,717.00	1/2	4,357.66	1/2	3,998.31	1/2	3,638.97	1/2	3,279.63	1/2	2,920.29	1/2	2,560.94	1/2	2,201.60
3/4		3/4	5,066.16	3/4	4,709.51	3/4	4,350.17	3/4	3,990.83	3/4	3,631.49	3/4	3,272.14	3/4	2,912.80	3/4	2,553.46	3/4	2,194.12
4		4	5,059.61	4	4,702.03	4	4,342.68	4	3,983.34	4	3,624.00	4	3,264.66	4	2,905.31	4	2,545.97	4	2,186.63
1/4		1/4	5,053.06	1/4	4,694.54	1/4	4,335.20	1/4	3,975.86	1/4	3,616.51	1/4	3,257.17	1/4	2,897.83	1/4	2,538.49	1/4	2,179.14
1/2		1/2	5,045.76	1/2	4,687.05	1/2	4,327.71	1/2	3,968.37	1/2	3,609.03	1/2	3,249.68	1/2	2,890.34	1/2	2,531.00	1/2	2,171.66
3/4		3/4	5,038.46	3/4	4,679.57	3/4	4,320.23	3/4	3,960.88	3/4	3,601.54	3/4	3,242.20	3/4	2,882.86	3/4	2,523.51	3/4	2,164.17
5		5	5,031.15	5	4,672.08	5	4,312.74	5	3,953.40	5	3,594.05	5	3,234.71	5	2,875.37	5	2,516.03	5	2,156.68
1/4		1/4	5,023.85	1/4	4,664.59	1/4	4,305.25	1/4	3,945.91	1/4	3,586.57	1/4	3,227.23	1/4	2,867.88	1/4	2,508.54	1/4	2,149.20
1/2		1/2	5,016.38	1/2	4,657.11	1/2	4,297.77	1/2	3,938.42	1/2	3,579.08	1/2	3,219.74	1/2	2,860.40	1/2	2,501.05	1/2	2,141.71
3/4		3/4	5,008.91	3/4	4,649.62	3/4	4,290.28	3/4	3,930.94	3/4	3,571.60	3/4	3,212.25	3/4	2,852.91	3/4	2,493.57	3/4	2,134.23
6		6	5,001.44	6	4,642.14	6	4,282.79	6	3,923.45	6	3,564.11	6	3,204.77	6	2,845.42	6	2,486.08	6	2,126.74
1/4		1/4	4,993.97	1/4	4,634.65	1/4	4,275.31	1/4	3,915.96	1/4	3,556.62	1/4	3,197.28	1/4	2,837.94	1/4	2,478.60	1/4	2,119.25
1/2		1/2	4,986.49	1/2	4,627.16	1/2	4,267.82	1/2	3,908.48	1/2	3,549.14	1/2	3,189.79	1/2	2,830.45	1/2	2,471.11	1/2	2,111.77
3/4		3/4	4,979.00	3/4	4,619.68	3/4	4,260.33	3/4	3,900.99	3/4	3,541.65	3/4	3,182.31	3/4	2,822.97	3/4	2,463.62	3/4	2,104.28
7		7	4,971.52	7	4,612.19	7	4,252.85	7	3,893.51	7	3,534.16	7	3,174.82	7	2,815.48	7	2,456.14	7	2,096.79
1/4		1/4	4,964.03	1/4	4,604.70	1/4	4,245.36	1/4	3,886.02	1/4	3,526.68	1/4	3,167.33	1/4	2,807.99	1/4	2,448.65	1/4	2,089.31
1/2		1/2	4,956.55	1/2	4,597.22	1/2	4,237.88	1/2	3,878.53	1/2	3,519.19	1/2	3,159.85	1/2	2,800.51	1/2	2,441.16	1/2	2,081.82
3/4		3/4	4,949.07	3/4	4,589.73	3/4	4,230.39	3/4	3,871.05	3/4	3,511.70	3/4	3,152.36	3/4	2,793.02	3/4	2,433.68	3/4	2,074.34
8		8	4,941.58	8	4,582.25	8	4,222.90	8	3,863.56	8	3,504.22	8	3,144.88	8	2,785.53	8	2,426.19	8	2,066.85
1/4		1/4	4,934.10	1/4	4,574.76	1/4	4,215.42	1/4	3,856.07	1/4	3,496.73	1/4	3,137.39	1/4	2,778.05	1/4	2,418.70	1/4	2,059.36
1/2		1/2	4,926.62	1/2	4,567.27	1/2	4,207.93	1/2	3,848.59	1/2	3,489.25	1/2	3,129.90	1/2	2,770.56	1/2	2,411.22	1/2	2,051.88
3/4		3/4	4,919.13	3/4	4,559.79	3/4	4,200.44	3/4	3,841.10	3/4	3,481.76	3/4	3,122.42	3/4	2,763.07	3/4	2,403.73	3/4	2,044.39
9		9	4,911.64	9	4,552.30	9	4,192.96	9	3,833.62	9	3,474.27	9	3,114.93	9	2,755.59	9	2,396.25	9	2,036.90
1/4		1/4	4,904.16	1/4	4,544.81	1/4	4,185.47	1/4	3,826.13	1/4	3,466.79	1/4	3,107.44	1/4	2,748.10	1/4	2,388.76	1/4	2,029.42
1/2		1/2	4,896.67	1/2	4,537.33	1/2	4,177.99	1/2	3,818.64	1/2	3,459.30	1/2	3,099.96	1/2	2,740.62	1/2	2,381.27	1/2	2,021.93
3/4		3/4	4,889.18	3/4	4,529.84	3/4	4,170.50	3/4	3,811.16	3/4	3,451.81	3/4	3,092.47	3/4	2,733.13	3/4	2,373.79	3/4	2,014.44
10		10	4,881.70	10	4,522.36	10	4,163.01	10	3,803.67	10	3,444.33	10	3,084.99	10	2,725.64	10	2,366.30	10	2,006.96
1/4		1/4	4,874.21	1/4	4,514.87	1/4	4,155.53	1/4	3,796.18	1/4	3,436.84	1/4	3,077.50	1/4	2,718.16	1/4	2,358.81	1/4	1,999.47
1/2		1/2	4,866.72	1/2	4,507.38	1/2	4,148.04	1/2	3,788.70	1/2	3,429.36	1/2	3,070.01	1/2	2,710.67	1/2	2,351.33	1/2	1,991.99
3/4		3/4	4,859.24	3/4	4,499.90	3/4	4,140.55	3/4	3,781.21	3/4	3,421.87	3/4	3,062.53	3/4	2,703.18	3/4	2,343.84	3/4	1,984.50
11		11	4,851.75	11	4,492.41	11	4,133.07	11	3,773.73	11	3,414.38	11	3,055.04	11	2,695.70	11	2,336.36	11	1,977.01
1/4		1/4	4,844.27	1/4	4,484.92	1/4	4,125.58	1/4	3,766.24	1/4	3,406.90	1/4	3,047.55	1/4	2,688.21	1/4	2,328.87	1/4	1,969.53
1/2		1/2	4,836.78	1/2	4,477.44	1/2	4,118.09	1/2	3,758.75	1/2	3,399.41	1/2	3,040.07	1/2	2,680.73	1/2	2,321.38	1/2	1,962.04
3/4		3/4	4,829.29	3/4	4,469.95	3/4	4,110.61	3/4	3,751.27	3/4	3,391.92	3/4	3,032.58	3/4	2,673.24	3/4	2,313.90	3/4	1,954.55

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 TO TOP OF "MMC" CLOSED GAUGING VALVE.
 GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29023"

2 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SCF 1203"

GAUGE HEIGHT 15'-05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,947.07	0	1,587.73	0	1,228.38	0	882.32	0	524.24	0	164.91	0		0		0		0	
1/4	1,939.58	1/4	1,580.24	1/4	1,220.90	1/4	875.15	1/4	516.75	1/4	157.42	1/4		1/4		1/4		1/4	
1/2	1,932.10	1/2	1,572.75	1/2	1,213.52	1/2	867.85	1/2	509.27	1/2	149.94	1/2		1/2		1/2		1/2	
3/4	1,924.61	3/4	1,565.27	3/4	1,206.14	3/4	860.56	3/4	501.78	3/4	142.45	3/4		3/4		3/4		3/4	
1	1,917.12	1	1,557.78	1	1,198.76	1	853.27	1	494.29	1	134.97	1		1		1		1	
1/4	1,909.64	1/4	1,550.29	1/4	1,191.38	1/4	845.98	1/4	486.81	1/4	127.48	1/4		1/4		1/4		1/4	
1/2	1,902.15	1/2	1,542.81	1/2	1,184.14	1/2	838.53	1/2	479.32	1/2	120.00	1/2		1/2		1/2		1/2	
3/4	1,894.66	3/4	1,535.32	3/4	1,176.90	3/4	831.09	3/4	471.84	3/4	112.52	3/4		3/4		3/4		3/4	
2	1,887.18	2	1,527.84	2	1,169.66	2	823.64	2	464.35	2	105.05	2		2		2		2	
1/4	1,879.69	1/4	1,520.35	1/4	1,162.42	1/4	816.20	1/4	456.86	1/4	97.57	1/4		1/4		1/4		1/4	
1/2	1,872.20	1/2	1,512.86	1/2	1,155.22	1/2	808.71	1/2	449.38	1/2	90.11	1/2		1/2		1/2		1/2	
3/4	1,864.72	3/4	1,505.38	3/4	1,148.02	3/4	801.23	3/4	441.89	3/4	82.66	3/4		3/4		3/4		3/4	
3	1,857.23	3	1,497.89	3	1,140.82	3	793.74	3	434.41	3	75.20	3		3		3		3	
1/4	1,849.75	1/4	1,490.40	1/4	1,133.61	1/4	786.25	1/4	426.92	1/4	67.74	1/4		1/4		1/4		1/4	
1/2	1,842.26	1/2	1,482.92	1/2	1,126.41	1/2	778.77	1/2	419.43	1/2	60.97	1/2		1/2		1/2		1/2	
3/4	1,834.77	3/4	1,475.43	3/4	1,119.21	3/4	771.28	3/4	411.95	3/4	54.20	3/4		3/4		3/4		3/4	
4	1,827.29	4	1,467.94	4	1,112.01	4	763.79	4	404.46	4	47.42	4		4		4		4	
1/4	1,819.80	1/4	1,460.46	1/4	1,104.80	1/4	756.31	1/4	396.98	1/4	40.65	1/4		1/4		1/4		1/4	
1/2	1,812.31	1/2	1,452.97	1/2	1,097.61	1/2	748.82	1/2	389.49	1/2	35.50	1/2		1/2		1/2		1/2	
3/4	1,804.83	3/4	1,445.49	3/4	1,090.42	3/4	741.34	3/4	382.00	3/4	30.36	3/4		3/4		3/4		3/4	
5	1,797.34	5	1,438.00	5	1,083.23	5	733.85	5	374.52	5	25.21	5		5		5		5	
1/4	1,789.86	1/4	1,430.51	1/4	1,076.03	1/4	726.36	1/4	367.03	1/4	20.06	1/4		1/4		1/4		1/4	
1/2	1,782.37	1/2	1,423.03	1/2	1,068.86	1/2	718.88	1/2	359.55	1/2		1/2		1/2		1/2		1/2	
3/4	1,774.88	3/4	1,415.54	3/4	1,061.68	3/4	711.39	3/4	352.06	3/4		3/4		3/4		3/4		3/4	
6	1,767.40	6	1,408.05	6	1,054.50	6	703.91	6	344.57	6		6		6		6		6	
1/4	1,759.91	1/4	1,400.57	1/4	1,047.32	1/4	696.42	1/4	337.09	1/4		1/4		1/4		1/4		1/4	
1/2	1,752.42	1/2	1,393.08	1/2	1,040.15	1/2	688.93	1/2	329.60	1/2		1/2		1/2		1/2		1/2	
3/4	1,744.94	3/4	1,385.60	3/4	1,032.98	3/4	681.45	3/4	322.11	3/4		3/4		3/4		3/4		3/4	
7	1,737.45	7	1,378.11	7	1,025.80	7	673.96	7	314.63	7		7		7		7		7	
1/4	1,729.97	1/4	1,370.62	1/4	1,018.63	1/4	666.48	1/4	307.14	1/4		1/4		1/4		1/4		1/4	
1/2	1,722.48	1/2	1,363.14	1/2	1,011.45	1/2	658.99	1/2	299.66	1/2		1/2		1/2		1/2		1/2	
3/4	1,714.99	3/4	1,355.65	3/4	1,004.28	3/4	651.50	3/4	292.17	3/4		3/4		3/4		3/4		3/4	
8	1,707.51	8	1,348.16	8	997.10	8	644.02	8	284.68	8		8		8		8		8	
1/4	1,700.02	1/4	1,340.68	1/4	989.93	1/4	636.53	1/4	277.20	1/4		1/4		1/4		1/4		1/4	
1/2	1,692.53	1/2	1,333.19	1/2	982.76	1/2	629.04	1/2	269.71	1/2		1/2		1/2		1/2		1/2	
3/4	1,685.05	3/4	1,325.71	3/4	975.58	3/4	621.56	3/4	262.23	3/4		3/4		3/4		3/4		3/4	
9	1,677.56	9	1,318.22	9	968.41	9	614.07	9	254.74	9		9		9		9		9	
1/4	1,670.07	1/4	1,310.73	1/4	961.23	1/4	606.59	1/4	247.25	1/4		1/4		1/4		1/4		1/4	
1/2	1,662.59	1/2	1,303.25	1/2	954.06	1/2	599.10	1/2	239.77	1/2		1/2		1/2		1/2		1/2	
3/4	1,655.10	3/4	1,295.76	3/4	946.89	3/4	591.61	3/4	232.28	3/4		3/4		3/4		3/4		3/4	
10	1,647.62	10	1,288.27	10	939.71	10	584.13	10	224.80	10		10		10		10		10	
1/4	1,640.13	1/4	1,280.79	1/4	932.54	1/4	576.64	1/4	217.31	1/4		1/4		1/4		1/4		1/4	
1/2	1,632.64	1/2	1,273.30	1/2	925.36	1/2	569.16	1/2	209.82	1/2		1/2		1/2		1/2		1/2	
3/4	1,625.16	3/4	1,265.81	3/4	918.19	3/4	561.67	3/4	202.34	3/4		3/4		3/4		3/4		3/4	
11	1,617.67	11	1,258.33	11	911.02	11	554.18	11	194.85	11		11		11		11		11	
1/4	1,610.18	1/4	1,250.84	1/4	903.84	1/4	546.70	1/4	187.36	1/4		1/4		1/4		1/4		1/4	
1/2	1,602.70	1/2	1,243.36	1/2	896.67	1/2	539.21	1/2	179.88	1/2		1/2		1/2		1/2		1/2	
3/4	1,595.21	3/4	1,235.87	3/4	889.49	3/4	531.73	3/4	172.39	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/21/2012 CL - SW
CALCULATED: 06/22/2012 CL
NAME CHANGE: 07/07/2017

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2012

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



BARGE "KIRBY 29023"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SCF 1203"

GAUGE HEIGHT 15'-05 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,455.39	0	4,208.53	0	3,961.09	0	3,713.53	0	3,401.76	0	3,044.22	0	2,686.60	0	2,328.84
1/4		1/4		1/4	4,450.24	1/4	4,203.38	1/4	3,955.93	1/4	3,708.37	1/4	3,394.31	1/4	3,036.77	1/4	2,679.15	1/4	2,321.38
1/2		1/2		1/2	4,445.10	1/2	4,198.24	1/2	3,950.77	1/2	3,703.21	1/2	3,386.87	1/2	3,029.32	1/2	2,671.69	1/2	2,313.91
3/4		3/4		3/4	4,439.96	3/4	4,193.10	3/4	3,945.61	3/4	3,698.05	3/4	3,379.42	3/4	3,021.87	3/4	2,664.24	3/4	2,306.45
1		1		1	4,434.81	1	4,187.95	1	3,940.46	1	3,692.90	1	3,371.97	1	3,014.42	1	2,656.79	1	2,298.98
1/4		1/4		1/4	4,429.67	1/4	4,182.81	1/4	3,935.30	1/4	3,687.74	1/4	3,364.52	1/4	3,006.97	1/4	2,649.34	1/4	2,291.52
1/2		1/2		1/2	4,424.53	1/2	4,177.67	1/2	3,930.14	1/2	3,682.58	1/2	3,357.07	1/2	2,999.52	1/2	2,641.89	1/2	2,284.05
3/4		3/4		3/4	4,419.39	3/4	4,172.53	3/4	3,924.98	3/4	3,677.42	3/4	3,349.62	3/4	2,992.07	3/4	2,634.44	3/4	2,276.59
2		2		2	4,414.24	2	4,167.37	2	3,919.83	2	3,672.27	2	3,342.18	2	2,984.62	2	2,626.99	2	2,269.12
1/4		1/4		1/4	4,409.10	1/4	4,162.22	1/4	3,914.67	1/4	3,667.11	1/4	3,334.73	1/4	2,977.17	1/4	2,619.54	1/4	2,261.66
1/2		1/2		1/2	4,403.96	1/2	4,157.07	1/2	3,909.51	1/2	3,661.95	1/2	3,327.28	1/2	2,969.72	1/2	2,612.09	1/2	2,254.19
3/4		3/4		3/4	4,398.81	3/4	4,151.91	3/4	3,904.35	3/4	3,656.79	3/4	3,319.83	3/4	2,962.27	3/4	2,604.64	3/4	2,246.72
3		3	4,629.38	3	4,393.67	3	4,146.76	3	3,899.20	3	3,651.64	3	3,312.38	3	2,954.83	3	2,597.19	3	2,239.26
1/4		1/4	4,626.43	1/4	4,388.53	1/4	4,141.60	1/4	3,894.04	1/4	3,646.48	1/4	3,304.93	1/4	2,947.38	1/4	2,589.73	1/4	2,231.79
1/2		1/2	4,623.47	1/2	4,383.38	1/2	4,136.44	1/2	3,888.88	1/2	3,641.32	1/2	3,297.49	1/2	2,939.93	1/2	2,582.28	1/2	2,224.33
3/4		3/4	4,620.52	3/4	4,378.24	3/4	4,131.28	3/4	3,883.72	3/4	3,636.16	3/4	3,290.04	3/4	2,932.48	3/4	2,574.83	3/4	2,216.86
4		4	4,616.32	4	4,373.10	4	4,126.13	4	3,878.57	4	3,631.01	4	3,282.59	4	2,925.03	4	2,567.38	4	2,209.40
1/4		1/4	4,612.13	1/4	4,367.96	1/4	4,120.97	1/4	3,873.41	1/4	3,625.85	1/4	3,275.14	1/4	2,917.57	1/4	2,559.93	1/4	2,201.93
1/2		1/2	4,607.93	1/2	4,362.81	1/2	4,115.81	1/2	3,868.25	1/2	3,620.69	1/2	3,267.69	1/2	2,910.12	1/2	2,552.48	1/2	2,194.47
3/4		3/4	4,603.73	3/4	4,357.67	3/4	4,110.65	3/4	3,863.09	3/4	3,615.53	3/4	3,260.24	3/4	2,902.67	3/4	2,545.03	3/4	2,187.00
5		5	4,598.77	5	4,352.53	5	4,105.50	5	3,857.94	5	3,608.65	5	3,252.79	5	2,895.22	5	2,537.58	5	2,179.53
1/4		1/4	4,593.82	1/4	4,347.38	1/4	4,100.34	1/4	3,852.78	1/4	3,601.76	1/4	3,245.35	1/4	2,887.77	1/4	2,530.13	1/4	2,172.07
1/2		1/2	4,588.86	1/2	4,342.24	1/2	4,095.18	1/2	3,847.62	1/2	3,594.88	1/2	3,237.90	1/2	2,880.32	1/2	2,522.68	1/2	2,164.60
3/4		3/4	4,583.90	3/4	4,337.10	3/4	4,090.02	3/4	3,842.46	3/4	3,587.99	3/4	3,230.45	3/4	2,872.87	3/4	2,515.23	3/4	2,157.14
6		6	4,578.77	6	4,331.96	6	4,084.87	6	3,837.31	6	3,580.54	6	3,223.00	6	2,865.42	6	2,507.77	6	2,149.67
1/4		1/4	4,573.64	1/4	4,326.81	1/4	4,079.71	1/4	3,832.15	1/4	3,573.08	1/4	3,215.55	1/4	2,857.97	1/4	2,500.32	1/4	2,142.21
1/2		1/2	4,568.52	1/2	4,321.67	1/2	4,074.55	1/2	3,826.99	1/2	3,565.63	1/2	3,208.10	1/2	2,850.52	1/2	2,492.87	1/2	2,134.74
3/4		3/4	4,563.39	3/4	4,316.53	3/4	4,069.39	3/4	3,821.83	3/4	3,558.18	3/4	3,200.66	3/4	2,843.07	3/4	2,485.42	3/4	2,127.28
7		7	4,558.25	7	4,311.38	7	4,064.24	7	3,816.68	7	3,550.73	7	3,193.21	7	2,835.61	7	2,477.97	7	2,119.81
1/4		1/4	4,553.11	1/4	4,306.24	1/4	4,059.08	1/4	3,811.52	1/4	3,543.28	1/4	3,185.76	1/4	2,828.16	1/4	2,470.52	1/4	2,112.35
1/2		1/2	4,547.97	1/2	4,301.10	1/2	4,053.92	1/2	3,806.36	1/2	3,535.83	1/2	3,178.31	1/2	2,820.71	1/2	2,463.07	1/2	2,104.88
3/4		3/4	4,542.83	3/4	4,295.96	3/4	4,048.76	3/4	3,801.20	3/4	3,528.39	3/4	3,170.86	3/4	2,813.26	3/4	2,455.62	3/4	2,097.41
8		8	4,537.69	8	4,290.81	8	4,043.61	8	3,796.05	8	3,520.94	8	3,163.41	8	2,805.81	8	2,448.17	8	2,089.95
1/4		1/4	4,532.54	1/4	4,285.67	1/4	4,038.45	1/4	3,790.89	1/4	3,513.49	1/4	3,155.96	1/4	2,798.36	1/4	2,440.72	1/4	2,082.48
1/2		1/2	4,527.40	1/2	4,280.53	1/2	4,033.29	1/2	3,785.73	1/2	3,506.04	1/2	3,148.51	1/2	2,790.91	1/2	2,433.27	1/2	2,075.02
3/4		3/4	4,522.25	3/4	4,275.38	3/4	4,028.13	3/4	3,780.57	3/4	3,498.59	3/4	3,141.07	3/4	2,783.46	3/4	2,425.82	3/4	2,067.55
9		9	4,517.11	9	4,270.24	9	4,022.98	9	3,775.42	9	3,491.14	9	3,133.62	9	2,776.01	9	2,418.36	9	2,060.09
1/4		1/4	4,511.97	1/4	4,265.10	1/4	4,017.82	1/4	3,770.26	1/4	3,483.70	1/4	3,126.17	1/4	2,768.56	1/4	2,410.91	1/4	2,052.62
1/2		1/2	4,506.82	1/2	4,259.96	1/2	4,012.66	1/2	3,765.10	1/2	3,476.25	1/2	3,118.72	1/2	2,761.11	1/2	2,403.46	1/2	2,045.16
3/4		3/4	4,501.68	3/4	4,254.81	3/4	4,007.50	3/4	3,759.94	3/4	3,468.80	3/4	3,111.27	3/4	2,753.65	3/4	2,396.01	3/4	2,037.69
10		10	4,496.53	10	4,249.67	10	4,002.35	10	3,754.79	10	3,461.35	10	3,103.82	10	2,746.20	10	2,388.55	10	2,030.22
1/4		1/4	4,491.39	1/4	4,244.53	1/4	3,997.19	1/4	3,749.63	1/4	3,453.90	1/4	3,096.37	1/4	2,738.75	1/4	2,381.09	1/4	2,022.76
1/2		1/2	4,486.24	1/2	4,239.38	1/2	3,992.03	1/2	3,744.47	1/2	3,446.45	1/2	3,088.92	1/2	2,731.30	1/2	2,373.63	1/2	2,015.29
3/4		3/4	4,481.10	3/4	4,234.24	3/4	3,986.87	3/4	3,739.31	3/4	3,439.00	3/4	3,081.47	3/4	2,723.85	3/4	2,366.17	3/4	2,007.83
11		11	4,475.96	11	4,229.10	11	3,981.72	11	3,734.16	11	3,431.56	11	3,074.02	11	2,716.40	11	2,358.71	11	2,000.36
1/4		1/4	4,470.81	1/4	4,223.95	1/4	3,976.56	1/4	3,729.00	1/4	3,424.11	1/4	3,066.57	1/4	2,708.95	1/4	2,351.24	1/4	1,992.90
1/2		1/2	4,465.67	1/2	4,218.81	1/2	3,971.40	1/2	3,723.84	1/2	3,416.66	1/2	3,059.12	1/2	2,701.50	1/2	2,343.78	1/2	1,985.43
3/4		3/4	4,460.53	3/4	4,213.67	3/4	3,966.24	3/4	3,718.68	3/4	3,409.21	3/4	3,051.67	3/4	2,694.05	3/4	2,336.31	3/4	1,977.97

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 TO TOP OF "MMC" CLOSED GAUGING VALVE.

GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 29023"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SCF 1203"

GAUGE HEIGHT 15'-05 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,970.50	0	1,612.16	0	1,253.81	0	895.95	0	537.71	0	179.38	0		0		0		0	
1/4	1,963.04	1/4	1,604.69	1/4	1,246.35	1/4	888.50	1/4	530.24	1/4	171.91	1/4		1/4		1/4		1/4	
1/2	1,955.57	1/2	1,597.23	1/2	1,238.88	1/2	881.05	1/2	522.78	1/2	164.45	1/2		1/2		1/2		1/2	
3/4	1,948.10	3/4	1,589.76	3/4	1,231.42	3/4	873.60	3/4	515.31	3/4	156.98	3/4		3/4		3/4		3/4	
1	1,940.64	1	1,582.29	1	1,223.95	1	866.14	1	507.85	1	149.52	1		1		1		1	
1/4	1,933.17	1/4	1,574.83	1/4	1,216.49	1/4	858.69	1/4	500.38	1/4	142.05	1/4		1/4		1/4		1/4	
1/2	1,925.71	1/2	1,567.36	1/2	1,209.02	1/2	851.23	1/2	492.92	1/2	134.59	1/2		1/2		1/2		1/2	
3/4	1,918.24	3/4	1,559.90	3/4	1,201.55	3/4	843.78	3/4	485.45	3/4	127.13	3/4		3/4		3/4		3/4	
2	1,910.78	2	1,552.43	2	1,194.09	2	836.31	2	477.99	2	119.67	2		2		2		2	
1/4	1,903.31	1/4	1,544.97	1/4	1,186.62	1/4	828.85	1/4	470.52	1/4	112.21	1/4		1/4		1/4		1/4	
1/2	1,895.85	1/2	1,537.50	1/2	1,179.16	1/2	821.38	1/2	463.06	1/2	104.76	1/2		1/2		1/2		1/2	
3/4	1,888.38	3/4	1,530.04	3/4	1,171.69	3/4	813.92	3/4	455.59	3/4	97.30	3/4		3/4		3/4		3/4	
3	1,880.91	3	1,522.57	3	1,164.23	3	806.46	3	448.13	3	89.86	3		3		3		3	
1/4	1,873.45	1/4	1,515.11	1/4	1,156.77	1/4	798.99	1/4	440.66	1/4	82.43	1/4		1/4		1/4		1/4	
1/2	1,865.98	1/2	1,507.64	1/2	1,149.31	1/2	791.53	1/2	433.20	1/2	74.99	1/2		1/2		1/2		1/2	
3/4	1,858.52	3/4	1,500.17	3/4	1,141.84	3/4	784.06	3/4	425.73	3/4	67.56	3/4		3/4		3/4		3/4	
4	1,851.05	4	1,492.71	4	1,134.39	4	776.60	4	418.27	4	60.80	4		4		4		4	
1/4	1,843.59	1/4	1,485.24	1/4	1,126.93	1/4	769.13	1/4	410.80	1/4	54.05	1/4		1/4		1/4		1/4	
1/2	1,836.12	1/2	1,477.78	1/2	1,119.47	1/2	761.66	1/2	403.34	1/2	47.29	1/2		1/2		1/2		1/2	
3/4	1,828.66	3/4	1,470.31	3/4	1,112.02	3/4	754.20	3/4	395.87	3/4	40.54	3/4		3/4		3/4		3/4	
5	1,821.19	5	1,462.85	5	1,104.56	5	746.73	5	388.40	5	35.40	5		5		5		5	
1/4	1,813.73	1/4	1,455.38	1/4	1,097.11	1/4	739.27	1/4	380.94	1/4	30.27	1/4		1/4		1/4		1/4	
1/2	1,806.26	1/2	1,447.92	1/2	1,089.65	1/2	731.80	1/2	373.47	1/2	25.14	1/2		1/2		1/2		1/2	
3/4	1,798.79	3/4	1,440.45	3/4	1,082.20	3/4	724.34	3/4	366.01	3/4	20.01	3/4		3/4		3/4		3/4	
6	1,791.33	6	1,432.98	6	1,074.75	6	716.87	6	358.54	6		6		6		6		6	
1/4	1,783.86	1/4	1,425.52	1/4	1,067.30	1/4	709.41	1/4	351.08	1/4		1/4		1/4		1/4		1/4	
1/2	1,776.40	1/2	1,418.05	1/2	1,059.85	1/2	701.94	1/2	343.61	1/2		1/2		1/2		1/2		1/2	
3/4	1,768.93	3/4	1,410.59	3/4	1,052.40	3/4	694.48	3/4	336.15	3/4		3/4		3/4		3/4		3/4	
7	1,761.47	7	1,403.12	7	1,044.95	7	687.01	7	328.68	7		7		7		7		7	
1/4	1,754.00	1/4	1,395.66	1/4	1,037.50	1/4	679.55	1/4	321.22	1/4		1/4		1/4		1/4		1/4	
1/2	1,746.54	1/2	1,388.19	1/2	1,030.05	1/2	672.08	1/2	313.75	1/2		1/2		1/2		1/2		1/2	
3/4	1,739.07	3/4	1,380.73	3/4	1,022.60	3/4	664.62	3/4	306.29	3/4		3/4		3/4		3/4		3/4	
8	1,731.60	8	1,373.26	8	1,015.15	8	657.15	8	298.82	8		8		8		8		8	
1/4	1,724.14	1/4	1,365.80	1/4	1,007.70	1/4	649.69	1/4	291.36	1/4		1/4		1/4		1/4		1/4	
1/2	1,716.67	1/2	1,358.33	1/2	1,000.25	1/2	642.22	1/2	283.89	1/2		1/2		1/2		1/2		1/2	
3/4	1,709.21	3/4	1,350.86	3/4	992.80	3/4	634.76	3/4	276.43	3/4		3/4		3/4		3/4		3/4	
9	1,701.74	9	1,343.40	9	985.35	9	627.29	9	268.96	9		9		9		9		9	
1/4	1,694.28	1/4	1,335.93	1/4	977.90	1/4	619.83	1/4	261.50	1/4		1/4		1/4		1/4		1/4	
1/2	1,686.81	1/2	1,328.47	1/2	970.45	1/2	612.36	1/2	254.03	1/2		1/2		1/2		1/2		1/2	
3/4	1,679.35	3/4	1,321.00	3/4	963.00	3/4	604.90	3/4	246.57	3/4		3/4		3/4		3/4		3/4	
10	1,671.88	10	1,313.54	10	955.55	10	597.43	10	239.10	10		10		10		10		10	
1/4	1,664.42	1/4	1,306.07	1/4	948.10	1/4	589.97	1/4	231.64	1/4		1/4		1/4		1/4		1/4	
1/2	1,656.95	1/2	1,298.61	1/2	940.65	1/2	582.50	1/2	224.17	1/2		1/2		1/2		1/2		1/2	
3/4	1,649.48	3/4	1,291.14	3/4	933.20	3/4	575.03	3/4	216.71	3/4		3/4		3/4		3/4		3/4	
11	1,642.02	11	1,283.67	11	925.75	11	567.57	11	209.24	11		11		11		11		11	
1/4	1,634.55	1/4	1,276.21	1/4	918.30	1/4	560.10	1/4	201.77	1/4		1/4		1/4		1/4		1/4	
1/2	1,627.09	1/2	1,268.74	1/2	910.85	1/2	552.64	1/2	194.31	1/2		1/2		1/2		1/2		1/2	
3/4	1,619.62	3/4	1,261.28	3/4	903.40	3/4	545.17	3/4	186.84	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/21/2012 CL - SW
CALCULATED: 06/22/2012 CL
NAME CHANGE: 07/07/2017

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2012

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



BARGE "KIRBY 29023"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SCF 1203"

GAUGE HEIGHT 15'-06"

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	4,437.26	0	4,190.46	0	3,943.09	0	3,695.59	0	3,386.42	0	3,029.65	0	2,672.80	0	2,315.77
1/4		1/4		1/4	4,432.12	1/4	4,185.32	1/4	3,937.93	1/4	3,690.44	1/4	3,378.99	1/4	3,022.22	1/4	2,665.36	1/4	2,308.32
1/2		1/2		1/2	4,426.98	1/2	4,180.17	1/2	3,932.78	1/2	3,685.28	1/2	3,371.56	1/2	3,014.78	1/2	2,657.93	1/2	2,300.87
3/4		3/4		3/4	4,421.83	3/4	4,175.03	3/4	3,927.62	3/4	3,680.12	3/4	3,364.12	3/4	3,007.35	3/4	2,650.49	3/4	2,293.42
1		1		1	4,416.69	1	4,169.89	1	3,922.47	1	3,674.97	1	3,356.69	1	2,999.92	1	2,643.06	1	2,285.97
1/4		1/4		1/4	4,411.55	1/4	4,164.75	1/4	3,917.31	1/4	3,669.81	1/4	3,349.26	1/4	2,992.48	1/4	2,635.62	1/4	2,278.52
1/2		1/2		1/2	4,406.41	1/2	4,159.61	1/2	3,912.15	1/2	3,664.66	1/2	3,341.83	1/2	2,985.05	1/2	2,628.18	1/2	2,271.07
3/4		3/4		3/4	4,401.27	3/4	4,154.47	3/4	3,907.00	3/4	3,659.50	3/4	3,334.39	3/4	2,977.62	3/4	2,620.75	3/4	2,263.62
2		2		2	4,396.13	2	4,149.32	2	3,901.84	2	3,654.34	2	3,326.96	2	2,970.18	2	2,613.31	2	2,256.17
1/4		1/4		1/4	4,390.98	1/4	4,144.17	1/4	3,896.68	1/4	3,649.19	1/4	3,319.53	1/4	2,962.75	1/4	2,605.88	1/4	2,248.72
1/2		1/2		1/2	4,385.84	1/2	4,139.02	1/2	3,891.53	1/2	3,644.03	1/2	3,312.10	1/2	2,955.31	1/2	2,598.44	1/2	2,241.27
3/4		3/4		3/4	4,380.70	3/4	4,133.87	3/4	3,886.37	3/4	3,638.87	3/4	3,304.66	3/4	2,947.88	3/4	2,591.00	3/4	2,233.82
3		3		3	4,375.56	3	4,128.71	3	3,881.22	3	3,633.72	3	3,297.23	3	2,940.45	3	2,583.57	3	2,226.37
1/4		1/4		1/4	4,606.07	1/4	4,370.42	1/4	4,123.56	1/4	3,876.06	1/4	3,628.56	1/4	3,289.80	1/4	2,933.01	1/4	2,576.13
1/2		1/2		1/2	4,603.11	1/2	4,365.28	1/2	4,118.40	1/2	3,870.90	1/2	3,623.41	1/2	3,282.37	1/2	2,925.58	1/2	2,568.70
3/4		3/4		3/4	4,600.16	3/4	4,360.13	3/4	4,113.24	3/4	3,865.75	3/4	3,618.25	3/4	3,274.94	3/4	2,918.15	3/4	2,561.26
4		4		4	4,597.21	4	4,354.99	4	4,108.09	4	3,860.59	4	3,613.09	4	3,267.50	4	2,910.71	4	2,553.83
1/4		1/4		1/4	4,593.01	1/4	4,349.85	1/4	4,102.93	1/4	3,855.43	1/4	3,607.94	1/4	3,260.07	1/4	2,903.28	1/4	2,546.39
1/2		1/2		1/2	4,588.82	1/2	4,344.71	1/2	4,097.78	1/2	3,850.28	1/2	3,602.78	1/2	3,252.64	1/2	2,895.84	1/2	2,538.95
3/4		3/4		3/4	4,584.62	3/4	4,339.57	3/4	4,092.62	3/4	3,845.12	3/4	3,597.62	3/4	3,245.21	3/4	2,888.41	3/4	2,531.52
5		5		5	4,580.42	5	4,334.42	5	4,087.46	5	3,839.97	5	3,592.47	5	3,237.77	5	2,880.98	5	2,524.08
1/4		1/4		1/4	4,575.47	1/4	4,329.28	1/4	4,082.31	1/4	3,834.81	1/4	3,585.58	1/4	3,230.34	1/4	2,873.54	1/4	2,516.65
1/2		1/2		1/2	4,570.51	1/2	4,324.14	1/2	4,077.15	1/2	3,829.65	1/2	3,578.70	1/2	3,222.91	1/2	2,866.11	1/2	2,509.27
3/4		3/4		3/4	4,565.55	3/4	4,319.00	3/4	4,072.00	3/4	3,824.50	3/4	3,571.81	3/4	3,215.48	3/4	2,858.67	3/4	2,501.77
6		6		6	4,560.60	6	4,313.86	6	4,066.84	6	3,819.34	6	3,564.93	6	3,208.04	6	2,851.24	6	2,494.34
1/4		1/4		1/4	4,555.47	1/4	4,308.72	1/4	4,061.68	1/4	3,814.19	1/4	3,557.48	1/4	3,200.61	1/4	2,843.80	1/4	2,486.90
1/2		1/2		1/2	4,550.34	1/2	4,303.57	1/2	4,056.53	1/2	3,809.03	1/2	3,550.03	1/2	3,193.18	1/2	2,836.37	1/2	2,479.47
3/4		3/4		3/4	4,545.22	3/4	4,298.43	3/4	4,051.37	3/4	3,803.87	3/4	3,542.58	3/4	3,185.75	3/4	2,828.93	3/4	2,472.03
7		7		7	4,540.09	7	4,293.29	7	4,046.21	7	3,798.72	7	3,535.13	7	3,178.31	7	2,821.50	7	2,464.59
1/4		1/4		1/4	4,534.95	1/4	4,288.15	1/4	4,041.06	1/4	3,793.56	1/4	3,527.69	1/4	3,170.88	1/4	2,814.06	1/4	2,457.16
1/2		1/2		1/2	4,529.81	1/2	4,283.01	1/2	4,035.90	1/2	3,788.40	1/2	3,520.24	1/2	3,163.45	1/2	2,806.63	1/2	2,449.72
3/4		3/4		3/4	4,524.67	3/4	4,277.87	3/4	4,030.75	3/4	3,783.25	3/4	3,512.80	3/4	3,156.02	3/4	2,799.19	3/4	2,442.29
8		8		8	4,519.54	8	4,272.72	8	4,025.59	8	3,778.09	8	3,505.35	8	3,148.58	8	2,791.76	8	2,434.85
1/4		1/4		1/4	4,514.39	1/4	4,267.58	1/4	4,020.43	1/4	3,772.94	1/4	3,497.92	1/4	3,141.15	1/4	2,784.32	1/4	2,427.41
1/2		1/2		1/2	4,509.25	1/2	4,262.44	1/2	4,015.28	1/2	3,767.78	1/2	3,490.48	1/2	3,133.72	1/2	2,776.89	1/2	2,419.98
3/4		3/4		3/4	4,504.11	3/4	4,257.30	3/4	4,010.12	3/4	3,762.62	3/4	3,483.05	3/4	3,126.28	3/4	2,769.45	3/4	2,412.54
9		9		9	4,498.97	9	4,252.16	9	4,004.96	9	3,757.47	9	3,475.61	9	3,118.85	9	2,762.02	9	2,405.11
1/4		1/4		1/4	4,493.82	1/4	4,247.02	1/4	3,999.81	1/4	3,752.31	1/4	3,468.18	1/4	3,111.42	1/4	2,754.58	1/4	2,397.67
1/2		1/2		1/2	4,488.68	1/2	4,241.87	1/2	3,994.65	1/2	3,747.15	1/2	3,460.75	1/2	3,103.98	1/2	2,747.15	1/2	2,390.24
3/4		3/4		3/4	4,483.54	3/4	4,236.73	3/4	3,989.50	3/4	3,742.00	3/4	3,453.31	3/4	3,096.55	3/4	2,739.71	3/4	2,382.80
10		10		10	4,478.39	10	4,231.59	10	3,984.34	10	3,736.84	10	3,445.88	10	3,089.12	10	2,732.28	10	2,375.36
1/4		1/4		1/4	4,473.25	1/4	4,226.45	1/4	3,979.18	1/4	3,731.69	1/4	3,438.45	1/4	3,081.68	1/4	2,724.84	1/4	2,367.92
1/2		1/2		1/2	4,468.11	1/2	4,221.31	1/2	3,974.03	1/2	3,726.53	1/2	3,431.02	1/2	3,074.25	1/2	2,717.41	1/2	2,360.47
3/4		3/4		3/4	4,462.97	3/4	4,216.17	3/4	3,968.87	3/4	3,721.37	3/4	3,423.58	3/4	3,066.82	3/4	2,709.97	3/4	2,353.02
11		11		11	4,457.83	11	4,211.02	11	3,963.71	11	3,716.22	11	3,416.15	11	3,059.38	11	2,702.54	11	2,345.58
1/4		1/4		1/4	4,452.68	1/4	4,205.88	1/4	3,958.56	1/4	3,711.06	1/4	3,408.72	1/4	3,051.95	1/4	2,695.10	1/4	2,338.13
1/2		1/2		1/2	4,447.54	1/2	4,200.74	1/2	3,953.40	1/2	3,705.90	1/2	3,401.29	1/2	3,044.52	1/2	2,687.67	1/2	2,330.68
3/4		3/4		3/4	4,442.40	3/4	4,195.60	3/4	3,948.25	3/4	3,700.75	3/4	3,393.85	3/4	3,037.08	3/4	2,680.23	3/4	2,323.22

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 TO TOP OF "MMC" CLOSED GAUGING VALVE.

GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 29023"

3 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SCF 1203"

GAUGE HEIGHT 15'-06"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,958.48	0	1,601.42	0	1,243.99	0	899.93	0	544.64	0	186.78	0		0		0		0	
1/4	1,951.05	1/4	1,593.98	1/4	1,236.54	1/4	892.82	1/4	537.18	1/4	179.32	1/4		1/4	1/4		1/4	1/4	
1/2	1,943.61	1/2	1,586.53	1/2	1,229.09	1/2	885.71	1/2	529.73	1/2	171.86	1/2		1/2	1/2		1/2	1/2	
3/4	1,936.18	3/4	1,579.08	3/4	1,221.65	3/4	878.60	3/4	522.28	3/4	164.40	3/4		3/4	3/4		3/4	3/4	
1	1,928.75	1	1,571.64	1	1,214.20	1	871.49	1	514.83	1	156.93	1		1		1		1	
1/4	1,921.31	1/4	1,564.19	1/4	1,206.87	1/4	864.25	1/4	507.38	1/4	149.47	1/4		1/4	1/4		1/4	1/4	
1/2	1,913.88	1/2	1,556.74	1/2	1,199.53	1/2	857.01	1/2	499.93	1/2	142.01	1/2		1/2	1/2		1/2	1/2	
3/4	1,906.45	3/4	1,549.30	3/4	1,192.20	3/4	849.77	3/4	492.47	3/4	134.55	3/4		3/4	3/4		3/4	3/4	
2	1,899.01	2	1,541.85	2	1,184.87	2	842.53	2	485.02	2	127.09	2		2		2		2	
1/4	1,891.58	1/4	1,534.41	1/4	1,177.68	1/4	835.12	1/4	477.57	1/4	119.64	1/4		1/4	1/4		1/4	1/4	
1/2	1,884.15	1/2	1,526.96	1/2	1,170.50	1/2	827.71	1/2	470.12	1/2	112.18	1/2		1/2	1/2		1/2	1/2	
3/4	1,876.71	3/4	1,519.51	3/4	1,163.32	3/4	820.30	3/4	462.67	3/4	104.73	3/4		3/4	3/4		3/4	3/4	
3	1,869.28	3	1,512.07	3	1,156.13	3	812.89	3	455.22	3	97.27	3		3		3		3	
1/4	1,861.85	1/4	1,504.62	1/4	1,149.00	1/4	805.44	1/4	447.77	1/4	89.84	1/4		1/4	1/4		1/4	1/4	
1/2	1,854.41	1/2	1,497.17	1/2	1,141.86	1/2	797.99	1/2	440.31	1/2	82.41	1/2		1/2	1/2		1/2	1/2	
3/4	1,846.98	3/4	1,489.73	3/4	1,134.72	3/4	790.54	3/4	432.86	3/4	74.97	3/4		3/4	3/4		3/4	3/4	
4	1,839.54	4	1,482.28	4	1,127.59	4	783.09	4	425.41	4	67.54	4		4		4		4	
1/4	1,832.11	1/4	1,474.83	1/4	1,120.46	1/4	775.64	1/4	417.96	1/4	60.79	1/4		1/4	1/4		1/4	1/4	
1/2	1,824.68	1/2	1,467.39	1/2	1,113.34	1/2	768.18	1/2	410.51	1/2	54.03	1/2		1/2	1/2		1/2	1/2	
3/4	1,817.24	3/4	1,459.94	3/4	1,106.21	3/4	760.73	3/4	403.06	3/4	47.28	3/4		3/4	3/4		3/4	3/4	
5	1,809.81	5	1,452.49	5	1,099.09	5	753.28	5	395.60	5	40.53	5		5		5		5	
1/4	1,802.38	1/4	1,445.05	1/4	1,091.97	1/4	745.83	1/4	388.15	1/4	35.40	1/4		1/4	1/4		1/4	1/4	
1/2	1,794.94	1/2	1,437.60	1/2	1,084.85	1/2	738.38	1/2	380.70	1/2	30.27	1/2		1/2	1/2		1/2	1/2	
3/4	1,787.51	3/4	1,430.15	3/4	1,077.73	3/4	730.93	3/4	373.25	3/4	25.13	3/4		3/4	3/4		3/4	3/4	
6	1,780.08	6	1,422.71	6	1,070.61	6	723.47	6	365.80	6	20.00	6		6		6		6	
1/4	1,772.64	1/4	1,415.26	1/4	1,063.50	1/4	716.02	1/4	358.35	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,765.21	1/2	1,407.81	1/2	1,056.39	1/2	708.57	1/2	350.89	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,757.78	3/4	1,400.37	3/4	1,049.27	3/4	701.12	3/4	343.44	3/4		3/4		3/4	3/4		3/4	3/4	
7	1,750.34	7	1,392.92	7	1,042.16	7	693.67	7	335.99	7		7		7		7		7	
1/4	1,742.90	1/4	1,385.47	1/4	1,035.05	1/4	686.22	1/4	328.54	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,735.46	1/2	1,378.03	1/2	1,027.94	1/2	678.76	1/2	321.09	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,728.01	3/4	1,370.58	3/4	1,020.83	3/4	671.31	3/4	313.64	3/4		3/4		3/4	3/4		3/4	3/4	
8	1,720.57	8	1,363.13	8	1,013.71	8	663.86	8	306.18	8		8		8		8		8	
1/4	1,713.12	1/4	1,355.69	1/4	1,006.60	1/4	656.41	1/4	298.72	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,705.68	1/2	1,348.24	1/2	999.49	1/2	648.96	1/2	291.26	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,698.23	3/4	1,340.79	3/4	992.38	3/4	641.51	3/4	283.80	3/4		3/4		3/4	3/4		3/4	3/4	
9	1,690.78	9	1,333.35	9	985.27	9	634.06	9	276.34	9		9		9		9		9	
1/4	1,683.34	1/4	1,325.90	1/4	978.16	1/4	626.60	1/4	268.88	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,675.89	1/2	1,318.45	1/2	971.05	1/2	619.15	1/2	261.42	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,668.44	3/4	1,311.01	3/4	963.94	3/4	611.70	3/4	253.95	3/4		3/4		3/4	3/4		3/4	3/4	
10	1,661.00	10	1,303.56	10	956.82	10	604.25	10	246.49	10		10		10		10		10	
1/4	1,653.55	1/4	1,296.11	1/4	949.71	1/4	596.80	1/4	239.03	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,646.10	1/2	1,288.67	1/2	942.60	1/2	589.35	1/2	231.56	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,638.66	3/4	1,281.22	3/4	935.49	3/4	581.89	3/4	224.10	3/4		3/4		3/4	3/4		3/4	3/4	
11	1,631.21	11	1,273.77	11	928.38	11	574.44	11	216.64	11		11		11		11		11	
1/4	1,623.76	1/4	1,266.33	1/4	921.27	1/4	566.99	1/4	209.17	1/4		1/4		1/4	1/4		1/4	1/4	
1/2	1,616.32	1/2	1,258.88	1/2	914.16	1/2	559.54	1/2	201.71	1/2		1/2		1/2	1/2		1/2	1/2	
3/4	1,608.87	3/4	1,251.43	3/4	907.04	3/4	552.09	3/4	194.25	3/4		3/4		3/4	3/4		3/4	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/21/2012 CL - SW
CALCULATED: 06/22/2012 CL
NAME CHANGE: 07/07/2017

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2012

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



BARGE "KIRBY 29023"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

FORMERLY "SCF 1203"

GAUGE HEIGHT 5'-05 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	8.03	0	394	0	779	0	1,164	0	1,549	0		0		0		0		0	
1/4	16.07	1/4	402	1/4	787	1/4	1,172	1/4	1,557	1/4		1/4		1/4		1/4		1/4	
1/2	24.10	1/2	410	1/2	795	1/2	1,180	1/2	1,565	1/2		1/2		1/2		1/2		1/2	
3/4	32.14	3/4	418	3/4	803	3/4	1,188	3/4	1,573	3/4		3/4		3/4		3/4		3/4	
1	40.17	1	426	1	811	1	1,196	1	1,581	1		1		1		1		1	
1/4	48.21	1/4	434	1/4	819	1/4	1,204	1/4	1,589	1/4		1/4		1/4		1/4		1/4	
1/2	56.24	1/2	442	1/2	827	1/2	1,212	1/2	1,597	1/2		1/2		1/2		1/2		1/2	
3/4	64.28	3/4	450	3/4	835	3/4	1,220	3/4	1,605	3/4		3/4		3/4		3/4		3/4	
2	72.31	2	458	2	843	2	1,228	2	1,613	2		2		2		2		2	
1/4	80.34	1/4	466	1/4	851	1/4	1,236	1/4	1,621	1/4		1/4		1/4		1/4		1/4	
1/2	88.38	1/2	474	1/2	859	1/2	1,244	1/2	1,629	1/2		1/2		1/2		1/2		1/2	
3/4	96.41	3/4	482	3/4	866	3/4	1,252	3/4	1,637	3/4		3/4		3/4		3/4		3/4	
3	104.45	3	490	3	874	3	1,260	3	1,645	3		3		3		3		3	
1/4	112.48	1/4	498	1/4	882	1/4	1,268	1/4	1,653	1/4		1/4		1/4		1/4		1/4	
1/2	120.52	1/2	506	1/2	890	1/2	1,276	1/2	1,661	1/2		1/2		1/2		1/2		1/2	
3/4	128.55	3/4	514	3/4	899	3/4	1,284	3/4	1,669	3/4		3/4		3/4		3/4		3/4	
4	136.59	4	522	4	907	4	1,292	4	1,677	4		4		4		4		4	
1/4	144.62	1/4	530	1/4	915	1/4	1,300	1/4	1,685	1/4		1/4		1/4		1/4		1/4	
1/2	152.65	1/2	538	1/2	923	1/2	1,308	1/2	1,692	1/2		1/2		1/2		1/2		1/2	
3/4	160.69	3/4	546	3/4	931	3/4	1,316	3/4	1,700	3/4		3/4		3/4		3/4		3/4	
5	168.72	5	554	5	939	5	1,324	5	1,708	5		5		5		5		5	
1/4	176.76	1/4	562	1/4	947	1/4	1,332	1/4	1,716	1/4		1/4		1/4		1/4		1/4	
1/2	184.79	1/2	570	1/2	955	1/2	1,340	1/2	1,724	1/2		1/2		1/2		1/2		1/2	
3/4	192.83	3/4	578	3/4	963	3/4	1,348	3/4	1,732	3/4		3/4		3/4		3/4		3/4	
6	200.86	6	587	6	971	6	1,356	6		6		6		6		6		6	
1/4	208.89	1/4	595	1/4	979	1/4	1,365	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	216.93	1/2	603	1/2	987	1/2	1,373	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	224.96	3/4	611	3/4	995	3/4	1,381	3/4		3/4		3/4		3/4		3/4		3/4	
7	233.00	7	619	7	1,003	7	1,389	7		7		7		7		7		7	
1/4	241.03	1/4	627	1/4	1,011	1/4	1,397	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	249.07	1/2	635	1/2	1,019	1/2	1,405	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	257.10	3/4	643	3/4	1,027	3/4	1,413	3/4		3/4		3/4		3/4		3/4		3/4	
8	265.14	8	651	8	1,035	8	1,421	8		8		8		8		8		8	
1/4	273.17	1/4	659	1/4	1,043	1/4	1,429	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	281.20	1/2	667	1/2	1,051	1/2	1,437	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	289.24	3/4	675	3/4	1,059	3/4	1,445	3/4		3/4		3/4		3/4		3/4		3/4	
9	297.27	9	683	9	1,067	9	1,453	9		9		9		9		9		9	
1/4	305.31	1/4	691	1/4	1,075	1/4	1,461	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	313.34	1/2	699	1/2	1,083	1/2	1,469	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	321.38	3/4	707	3/4	1,091	3/4	1,477	3/4		3/4		3/4		3/4		3/4		3/4	
10	329.41	10	715	10	1,099	10	1,485	10		10		10		10		10		10	
1/4	337.45	1/4	723	1/4	1,107	1/4	1,493	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	345.48	1/2	731	1/2	1,115	1/2	1,501	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	353.51	3/4	739	3/4	1,123	3/4	1,509	3/4		3/4		3/4		3/4		3/4		3/4	
11	361.55	11	747	11	1,132	11	1,517	11		11		11		11		11		11	
1/4	369.58	1/4	755	1/4	1,140	1/4	1,525	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	377.62	1/2	763	1/2	1,148	1/2	1,533	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	385.65	3/4	771	3/4	1,156	3/4	1,541	3/4		3/4		3/4		3/4		3/4		3/4	

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 TO TOP OF 2" DIAMETER STANDPIPE.

STRAPPED: 06/21/2012 CL - SW
 CALCULATED: 06/22/2012 CL
 NAME CHANGE: 07/07/2017

CANCELS AND SUPERCEDES
 ALL PRIOR TO 06/2012

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 29023"

PORT SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

FORMERLY "SCF 1203"

GAUGE HEIGHT 5'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	20.84	0	987	0	1,954	0	2,920	0	3,886	0		0		0		0		0	
1/4	40.98	1/4	1,007	1/4	1,974	1/4	2,940	1/4	3,906	1/4		1/4		1/4		1/4		1/4	
1/2	61.11	1/2	1,027	1/2	1,994	1/2	2,960	1/2	3,926	1/2		1/2		1/2		1/2		1/2	
3/4	81.24	3/4	1,048	3/4	2,014	3/4	2,980	3/4	3,946	3/4		3/4		3/4		3/4		3/4	
1	101.37	1	1,068	1	2,034	1	3,000	1	3,967	1		1		1		1		1	
1/4	121.51	1/4	1,088	1/4	2,054	1/4	3,020	1/4	3,987	1/4		1/4		1/4		1/4		1/4	
1/2	141.64	1/2	1,108	1/2	2,074	1/2	3,040	1/2	4,007	1/2		1/2		1/2		1/2		1/2	
3/4	161.77	3/4	1,128	3/4	2,094	3/4	3,061	3/4	4,027	3/4		3/4		3/4		3/4		3/4	
2	181.90	2	1,148	2	2,115	2	3,081	2	4,047	2		2		2		2		2	
1/4	202.04	1/4	1,168	1/4	2,135	1/4	3,101	1/4	4,067	1/4		1/4		1/4		1/4		1/4	
1/2	222.17	1/2	1,189	1/2	2,155	1/2	3,121	1/2	4,087	1/2		1/2		1/2		1/2		1/2	
3/4	242.30	3/4	1,209	3/4	2,175	3/4	3,141	3/4	4,107	3/4		3/4		3/4		3/4		3/4	
3	262.43	3	1,229	3	2,195	3	3,161	3	4,128	3		3		3		3		3	
1/4	282.57	1/4	1,249	1/4	2,215	1/4	3,181	1/4	4,148	1/4		1/4		1/4		1/4		1/4	
1/2	302.70	1/2	1,269	1/2	2,235	1/2	3,201	1/2	4,168	1/2		1/2		1/2		1/2		1/2	
3/4	322.83	3/4	1,289	3/4	2,256	3/4	3,222	3/4	4,188	3/4		3/4		3/4		3/4		3/4	
4	342.96	4	1,309	4	2,276	4	3,242	4	4,208	4		4		4		4		4	
1/4	363.09	1/4	1,329	1/4	2,296	1/4	3,262	1/4	4,226	1/4		1/4		1/4		1/4		1/4	
1/2	383.23	1/2	1,350	1/2	2,316	1/2	3,282	1/2	4,243	1/2		1/2		1/2		1/2		1/2	
3/4	403.36	3/4	1,370	3/4	2,336	3/4	3,302	3/4	4,261	3/4		3/4		3/4		3/4		3/4	
5	423.49	5	1,390	5	2,356	5	3,322	5	4,278	5		5		5		5		5	
1/4	443.62	1/4	1,410	1/4	2,376	1/4	3,342	1/4	4,289	1/4		1/4		1/4		1/4		1/4	
1/2	463.76	1/2	1,430	1/2	2,396	1/2	3,363	1/2	4,299	1/2		1/2		1/2		1/2		1/2	
3/4	483.89	3/4	1,450	3/4	2,417	3/4	3,383	3/4	4,309	3/4		3/4		3/4		3/4		3/4	
6	504.02	6	1,470	6	2,437	6	3,403	6		6		6		6		6		6	
1/4	524.15	1/4	1,491	1/4	2,457	1/4	3,423	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	544.29	1/2	1,511	1/2	2,477	1/2	3,443	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	564.42	3/4	1,531	3/4	2,497	3/4	3,463	3/4		3/4		3/4		3/4		3/4		3/4	
7	584.55	7	1,551	7	2,517	7	3,483	7		7		7		7		7		7	
1/4	604.68	1/4	1,571	1/4	2,537	1/4	3,503	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	624.82	1/2	1,591	1/2	2,557	1/2	3,524	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	644.95	3/4	1,611	3/4	2,578	3/4	3,544	3/4		3/4		3/4		3/4		3/4		3/4	
8	665.08	8	1,631	8	2,598	8	3,564	8		8		8		8		8		8	
1/4	685.21	1/4	1,652	1/4	2,618	1/4	3,584	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	705.35	1/2	1,672	1/2	2,638	1/2	3,604	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	725.48	3/4	1,692	3/4	2,658	3/4	3,624	3/4		3/4		3/4		3/4		3/4		3/4	
9	745.61	9	1,712	9	2,678	9	3,644	9		9		9		9		9		9	
1/4	765.74	1/4	1,732	1/4	2,698	1/4	3,665	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	785.88	1/2	1,752	1/2	2,718	1/2	3,685	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	806.01	3/4	1,772	3/4	2,738	3/4	3,705	3/4		3/4		3/4		3/4		3/4		3/4	
10	826.14	10	1,792	10	2,759	10	3,725	10		10		10		10		10		10	
1/4	846.27	1/4	1,813	1/4	2,779	1/4	3,745	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	866.40	1/2	1,833	1/2	2,799	1/2	3,765	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	886.54	3/4	1,853	3/4	2,819	3/4	3,785	3/4		3/4		3/4		3/4		3/4		3/4	
11	906.67	11	1,873	11	2,839	11	3,805	11		11		11		11		11		11	
1/4	926.80	1/4	1,893	1/4	2,859	1/4	3,826	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	946.93	1/2	1,913	1/2	2,879	1/2	3,846	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	967.07	3/4	1,933	3/4	2,899	3/4	3,866	3/4		3/4		3/4		3/4		3/4		3/4	

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 TO TOP OF "MMC" CLOSED GAUGING VALVE.

STRAPPED: 06/21/2012 CL - SW
 CALCULATED: 06/22/2012 CL
 NAME CHANGE: 07/07/2017

CANCELS AND SUPERCEDES
 ALL PRIOR TO 06/2012

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.

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 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 29023"

STBD SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

FORMERLY "SCF 1203"

GAUGE HEIGHT 5'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	20.84	0	987	0	1,954	0	2,920	0	3,886	0		0	6 FT.	0	7 FT.	0	8 FT.	0	9 FT.
1/4	40.98	1/4	1,007	1/4	1,974	1/4	2,940	1/4	3,906	1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	61.11	1/2	1,027	1/2	1,994	1/2	2,960	1/2	3,926	1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	81.24	3/4	1,048	3/4	2,014	3/4	2,980	3/4	3,946	3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
1	101.37	1	1,068	1	2,034	1	3,000	1	3,967	1		1	6 FT.	1	7 FT.	1	8 FT.	1	9 FT.
1/4	121.51	1/4	1,088	1/4	2,054	1/4	3,020	1/4	3,987	1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	141.64	1/2	1,108	1/2	2,074	1/2	3,040	1/2	4,007	1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	161.77	3/4	1,128	3/4	2,094	3/4	3,061	3/4	4,027	3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
2	181.90	2	1,148	2	2,115	2	3,081	2	4,047	2		2	6 FT.	2	7 FT.	2	8 FT.	2	9 FT.
1/4	202.04	1/4	1,168	1/4	2,135	1/4	3,101	1/4	4,067	1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	222.17	1/2	1,189	1/2	2,155	1/2	3,121	1/2	4,087	1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	242.30	3/4	1,209	3/4	2,175	3/4	3,141	3/4	4,107	3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
3	262.43	3	1,229	3	2,195	3	3,161	3	4,128	3		3	6 FT.	3	7 FT.	3	8 FT.	3	9 FT.
1/4	282.57	1/4	1,249	1/4	2,215	1/4	3,181	1/4	4,148	1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	302.70	1/2	1,269	1/2	2,235	1/2	3,201	1/2	4,168	1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	322.83	3/4	1,289	3/4	2,256	3/4	3,222	3/4	4,188	3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
4	342.96	4	1,309	4	2,276	4	3,242	4	4,208	4		4	6 FT.	4	7 FT.	4	8 FT.	4	9 FT.
1/4	363.09	1/4	1,329	1/4	2,296	1/4	3,262	1/4	4,226	1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	383.23	1/2	1,350	1/2	2,316	1/2	3,282	1/2	4,243	1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	403.36	3/4	1,370	3/4	2,336	3/4	3,302	3/4	4,261	3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
5	423.49	5	1,390	5	2,356	5	3,322	5	4,278	5		5	6 FT.	5	7 FT.	5	8 FT.	5	9 FT.
1/4	443.62	1/4	1,410	1/4	2,376	1/4	3,342	1/4	4,289	1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	463.76	1/2	1,430	1/2	2,396	1/2	3,363	1/2	4,299	1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	483.89	3/4	1,450	3/4	2,417	3/4	3,383	3/4	4,309	3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
6	504.02	6	1,470	6	2,437	6	3,403	6		6		6	6 FT.	6	7 FT.	6	8 FT.	6	9 FT.
1/4	524.15	1/4	1,491	1/4	2,457	1/4	3,423	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	544.29	1/2	1,511	1/2	2,477	1/2	3,443	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	564.42	3/4	1,531	3/4	2,497	3/4	3,463	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
7	584.55	7	1,551	7	2,517	7	3,483	7		7		7	6 FT.	7	7 FT.	7	8 FT.	7	9 FT.
1/4	604.68	1/4	1,571	1/4	2,537	1/4	3,503	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	624.82	1/2	1,591	1/2	2,557	1/2	3,524	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	644.95	3/4	1,611	3/4	2,578	3/4	3,544	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
8	665.08	8	1,631	8	2,598	8	3,564	8		8		8	6 FT.	8	7 FT.	8	8 FT.	8	9 FT.
1/4	685.21	1/4	1,652	1/4	2,618	1/4	3,584	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	705.35	1/2	1,672	1/2	2,638	1/2	3,604	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	725.48	3/4	1,692	3/4	2,658	3/4	3,624	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
9	745.61	9	1,712	9	2,678	9	3,644	9		9		9	6 FT.	9	7 FT.	9	8 FT.	9	9 FT.
1/4	765.74	1/4	1,732	1/4	2,698	1/4	3,665	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	785.88	1/2	1,752	1/2	2,718	1/2	3,685	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	806.01	3/4	1,772	3/4	2,738	3/4	3,705	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
10	826.14	10	1,792	10	2,759	10	3,725	10		10		10	6 FT.	10	7 FT.	10	8 FT.	10	9 FT.
1/4	846.27	1/4	1,813	1/4	2,779	1/4	3,745	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	866.40	1/2	1,833	1/2	2,799	1/2	3,765	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	886.54	3/4	1,853	3/4	2,819	3/4	3,785	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
11	906.67	11	1,873	11	2,839	11	3,805	11		11		11	6 FT.	11	7 FT.	11	8 FT.	11	9 FT.
1/4	926.80	1/4	1,893	1/4	2,859	1/4	3,826	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	946.93	1/2	1,913	1/2	2,879	1/2	3,846	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	967.07	3/4	1,933	3/4	2,899	3/4	3,866	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.

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 TO TOP OF "MMC" CLOSED GAUGING VALVE.

STRAPPED: 06/21/2012 CL - SW
CALCULATED: 06/22/2012 CL
NAME CHANGE: 07/07/2017

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2012

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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