



BARGE "KIRBY 29150"

ULLAGE TRIM TABLE

FORMERLY "SMS 30029"

	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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
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	00-1/8	- 00-1/8	00-1/8	- 00-1/8
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	00-1/8	- 00-1/8	00-1/8	- 00-1/8
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 = 8'-00"
 DIFF. = 6'-00" (DOWN BY STERN)

THE CORRECTION FOR 6'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

September 9, 2021

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

<http://www.pmacorp.net>



BARGE "KIRBY 29150"

1 PORT ULLAGE TABLE

MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30029"

GAUGE HEIGHT 16'-04 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	5,086.11	0	4,754.17	0	4,395.37	0	4,036.57	0	3,677.77	0	3,318.97	0	2,960.17	0	2,601.37
1/4		1/4		1/4	5,083.00	1/4	4,746.70	1/4	4,387.90	1/4	4,029.10	1/4	3,670.30	1/4	3,311.50	1/4	2,952.70	1/4	2,593.90
1/2		1/2		1/2	5,078.65	1/2	4,739.22	1/2	4,380.42	1/2	4,021.62	1/2	3,662.82	1/2	3,304.02	1/2	2,945.22	1/2	2,586.42
3/4		3/4		3/4	5,074.29	3/4	4,731.75	3/4	4,372.95	3/4	4,014.15	3/4	3,655.35	3/4	3,296.55	3/4	2,937.75	3/4	2,578.95
1		1		1	5,069.94	1	4,724.27	1	4,365.47	1	4,006.67	1	3,647.87	1	3,289.07	1	2,930.27	1	2,571.47
1/4		1/4		1/4	5,065.58	1/4	4,716.80	1/4	4,358.00	1/4	3,999.20	1/4	3,640.40	1/4	3,281.60	1/4	2,922.80	1/4	2,564.00
1/2		1/2		1/2	5,059.98	1/2	4,709.32	1/2	4,350.52	1/2	3,991.72	1/2	3,632.92	1/2	3,274.12	1/2	2,915.32	1/2	2,556.52
3/4		3/4		3/4	5,054.38	3/4	4,701.85	3/4	4,343.05	3/4	3,984.25	3/4	3,625.45	3/4	3,266.65	3/4	2,907.85	3/4	2,549.05
2		2		2	5,048.78	2	4,694.37	2	4,335.57	2	3,976.77	2	3,617.97	2	3,259.17	2	2,900.37	2	2,541.57
1/4		1/4		1/4	5,043.18	1/4	4,686.90	1/4	4,328.10	1/4	3,969.30	1/4	3,610.50	1/4	3,251.70	1/4	2,892.90	1/4	2,534.10
1/2		1/2		1/2	5,036.34	1/2	4,679.42	1/2	4,320.62	1/2	3,961.82	1/2	3,603.02	1/2	3,244.22	1/2	2,885.42	1/2	2,526.62
3/4		3/4		3/4	5,029.49	3/4	4,671.95	3/4	4,313.15	3/4	3,954.35	3/4	3,595.55	3/4	3,236.75	3/4	2,877.95	3/4	2,519.15
3		3		3	5,022.65	3	4,664.47	3	4,305.67	3	3,946.87	3	3,588.07	3	3,229.27	3	2,870.47	3	2,511.67
1/4		1/4		1/4	5,015.80	1/4	4,657.00	1/4	4,298.20	1/4	3,939.40	1/4	3,580.60	1/4	3,221.80	1/4	2,863.00	1/4	2,504.20
1/2		1/2		1/2	5,008.33	1/2	4,649.52	1/2	4,290.72	1/2	3,931.92	1/2	3,573.12	1/2	3,214.32	1/2	2,855.52	1/2	2,496.72
3/4		3/4		3/4	5,000.85	3/4	4,642.05	3/4	4,283.25	3/4	3,924.45	3/4	3,565.65	3/4	3,206.85	3/4	2,848.05	3/4	2,489.25
4		4		4	4,993.38	4	4,634.57	4	4,275.77	4	3,916.97	4	3,558.17	4	3,199.37	4	2,840.57	4	2,481.77
1/4		1/4		1/4	4,985.90	1/4	4,627.10	1/4	4,268.30	1/4	3,909.50	1/4	3,550.70	1/4	3,191.90	1/4	2,833.10	1/4	2,474.30
1/2		1/2		1/2	4,978.43	1/2	4,619.62	1/2	4,260.82	1/2	3,902.02	1/2	3,543.22	1/2	3,184.42	1/2	2,825.62	1/2	2,466.82
3/4		3/4		3/4	4,970.95	3/4	4,612.15	3/4	4,253.35	3/4	3,894.55	3/4	3,535.75	3/4	3,176.95	3/4	2,818.15	3/4	2,459.35
5		5		5	4,963.47	5	4,604.67	5	4,245.87	5	3,887.07	5	3,528.27	5	3,169.47	5	2,810.67	5	2,451.87
1/4		1/4		1/4	4,956.00	1/4	4,597.20	1/4	4,238.40	1/4	3,879.60	1/4	3,520.80	1/4	3,162.00	1/4	2,803.20	1/4	2,444.40
1/2		1/2		1/2	4,948.52	1/2	4,589.72	1/2	4,230.92	1/2	3,872.12	1/2	3,513.32	1/2	3,154.52	1/2	2,795.72	1/2	2,436.92
3/4		3/4		3/4	4,941.05	3/4	4,582.25	3/4	4,223.45	3/4	3,864.65	3/4	3,505.85	3/4	3,147.05	3/4	2,788.25	3/4	2,429.45
6		6		6	4,933.57	6	4,574.77	6	4,215.97	6	3,857.17	6	3,498.37	6	3,139.57	6	2,780.77	6	2,421.97
1/4		1/4		1/4	4,926.10	1/4	4,567.30	1/4	4,208.50	1/4	3,849.70	1/4	3,490.90	1/4	3,132.10	1/4	2,773.30	1/4	2,414.50
1/2		1/2		1/2	4,918.62	1/2	4,559.82	1/2	4,201.02	1/2	3,842.22	1/2	3,483.42	1/2	3,124.62	1/2	2,765.82	1/2	2,407.02
3/4		3/4		3/4	4,911.15	3/4	4,552.35	3/4	4,193.55	3/4	3,834.75	3/4	3,475.95	3/4	3,117.15	3/4	2,758.35	3/4	2,399.55
7		7		7	4,903.67	7	4,544.87	7	4,186.07	7	3,827.27	7	3,468.47	7	3,109.67	7	2,750.87	7	2,392.07
1/4		1/4		1/4	4,896.20	1/4	4,537.40	1/4	4,178.60	1/4	3,819.80	1/4	3,461.00	1/4	3,102.20	1/4	2,743.40	1/4	2,384.60
1/2		1/2		1/2	4,888.72	1/2	4,529.92	1/2	4,171.12	1/2	3,812.32	1/2	3,453.52	1/2	3,094.72	1/2	2,735.92	1/2	2,377.12
3/4		3/4		3/4	4,881.25	3/4	4,522.45	3/4	4,163.65	3/4	3,804.85	3/4	3,446.05	3/4	3,087.25	3/4	2,728.45	3/4	2,369.65
8		8		8	4,873.77	8	4,514.97	8	4,156.17	8	3,797.37	8	3,438.57	8	3,079.77	8	2,720.97	8	2,362.17
1/4		1/4		1/4	4,866.30	1/4	4,507.50	1/4	4,148.70	1/4	3,789.90	1/4	3,431.10	1/4	3,072.30	1/4	2,713.50	1/4	2,354.70
1/2		1/2		1/2	4,858.82	1/2	4,500.02	1/2	4,141.22	1/2	3,782.42	1/2	3,423.62	1/2	3,064.82	1/2	2,706.02	1/2	2,347.22
3/4		3/4		3/4	4,851.35	3/4	4,492.55	3/4	4,133.75	3/4	3,774.95	3/4	3,416.15	3/4	3,057.35	3/4	2,698.55	3/4	2,339.75
9		9		9	4,843.87	9	4,485.07	9	4,126.27	9	3,767.47	9	3,408.67	9	3,049.87	9	2,691.07	9	2,332.27
1/4		1/4		1/4	5,105.40	1/4	4,836.40	1/4	4,477.60	1/4	4,118.80	1/4	3,760.00	1/4	3,401.20	1/4	3,042.40	1/4	2,324.80
1/2		1/2		1/2	5,104.78	1/2	4,828.92	1/2	4,470.12	1/2	4,111.32	1/2	3,752.52	1/2	3,393.72	1/2	3,034.92	1/2	2,317.32
3/4		3/4		3/4	5,104.16	3/4	4,821.45	3/4	4,462.65	3/4	4,103.85	3/4	3,745.05	3/4	3,386.25	3/4	3,027.45	3/4	2,309.85
10		10		10	5,103.54	10	4,813.97	10	4,455.17	10	4,096.37	10	3,737.57	10	3,378.77	10	3,019.97	10	2,302.37
1/4		1/4		1/4	5,102.92	1/4	4,806.50	1/4	4,447.70	1/4	4,088.90	1/4	3,730.10	1/4	3,371.30	1/4	3,012.50	1/4	2,294.90
1/2		1/2		1/2	5,101.05	1/2	4,799.02	1/2	4,440.22	1/2	4,081.42	1/2	3,722.62	1/2	3,363.82	1/2	3,005.02	1/2	2,287.42
3/4		3/4		3/4	5,099.19	3/4	4,791.55	3/4	4,432.75	3/4	4,073.95	3/4	3,715.15	3/4	3,356.35	3/4	2,997.55	3/4	2,279.95
11		11		11	5,097.32	11	4,784.07	11	4,425.27	11	4,066.47	11	3,707.67	11	3,348.87	11	2,990.07	11	2,272.47
1/4		1/4		1/4	5,095.45	1/4	4,776.60	1/4	4,417.80	1/4	4,059.00	1/4	3,700.20	1/4	3,341.40	1/4	2,982.60	1/4	2,265.00
1/2		1/2		1/2	5,092.34	1/2	4,769.12	1/2	4,410.32	1/2	4,051.52	1/2	3,692.72	1/2	3,333.92	1/2	2,975.12	1/2	2,257.52
3/4		3/4		3/4	5,089.23	3/4	4,761.65	3/4	4,402.85	3/4	4,044.05	3/4	3,685.25	3/4	3,326.45	3/4	2,967.65	3/4	2,250.05

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29150"

1 PORT ULLAGE TABLE MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30029"

GAUGE HEIGHT 16'-04 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,242.57	0	1,883.77	0	1,524.97	0	1,166.17	0	807.37	0	449.07	0	113.83	0		0		0	
1/4	2,235.10	1/4	1,876.30	1/4	1,517.50	1/4	1,158.70	1/4	799.90	1/4	441.67	1/4	107.17	1/4		1/4		1/4	
1/2	2,227.62	1/2	1,868.82	1/2	1,510.02	1/2	1,151.22	1/2	792.42	1/2	434.39	1/2	100.64	1/2		1/2		1/2	
3/4	2,220.15	3/4	1,861.35	3/4	1,502.55	3/4	1,143.75	3/4	784.95	3/4	427.11	3/4	94.10	3/4		3/4		3/4	
1	2,212.67	1	1,853.87	1	1,495.07	1	1,136.27	1	777.47	1	419.83	1	87.57	1		1		1	
1/4	2,205.20	1/4	1,846.40	1/4	1,487.60	1/4	1,128.80	1/4	770.00	1/4	412.55	1/4	81.04	1/4		1/4		1/4	
1/2	2,197.72	1/2	1,838.92	1/2	1,480.12	1/2	1,121.32	1/2	762.52	1/2	405.27	1/2	74.50	1/2		1/2		1/2	
3/4	2,190.25	3/4	1,831.45	3/4	1,472.65	3/4	1,113.85	3/4	755.05	3/4	397.99	3/4	67.97	3/4		3/4		3/4	
2	2,182.77	2	1,823.97	2	1,465.17	2	1,106.37	2	747.57	2	390.71	2	61.43	2		2		2	
1/4	2,175.30	1/4	1,816.50	1/4	1,457.70	1/4	1,098.90	1/4	740.10	1/4	383.43	1/4	54.90	1/4		1/4		1/4	
1/2	2,167.82	1/2	1,809.02	1/2	1,450.22	1/2	1,091.42	1/2	732.62	1/2	376.27	1/2	49.22	1/2		1/2		1/2	
3/4	2,160.35	3/4	1,801.55	3/4	1,442.75	3/4	1,083.95	3/4	725.15	3/4	369.12	3/4	43.55	3/4		3/4		3/4	
3	2,152.87	3	1,794.07	3	1,435.27	3	1,076.47	3	717.67	3	361.96	3	37.87	3		3		3	
1/4	2,145.40	1/4	1,786.60	1/4	1,427.80	1/4	1,069.00	1/4	710.20	1/4	354.81	1/4	32.20	1/4		1/4		1/4	
1/2	2,137.92	1/2	1,779.12	1/2	1,420.32	1/2	1,061.52	1/2	702.72	1/2	347.65	1/2	27.99	1/2		1/2		1/2	
3/4	2,130.45	3/4	1,771.65	3/4	1,412.85	3/4	1,054.05	3/4	695.25	3/4	340.50	3/4	23.78	3/4		3/4		3/4	
4	2,122.97	4	1,764.17	4	1,405.37	4	1,046.57	4	687.77	4	333.34	4	19.57	4		4		4	
1/4	2,115.50	1/4	1,756.70	1/4	1,397.90	1/4	1,039.10	1/4	680.30	1/4	326.19	1/4	15.36	1/4		1/4		1/4	
1/2	2,108.02	1/2	1,749.22	1/2	1,390.42	1/2	1,031.62	1/2	672.82	1/2	319.16	1/2		1/2		1/2		1/2	
3/4	2,100.55	3/4	1,741.75	3/4	1,382.95	3/4	1,024.15	3/4	665.35	3/4	312.13	3/4		3/4		3/4		3/4	
5	2,093.07	5	1,734.27	5	1,375.47	5	1,016.67	5	657.87	5	305.10	5		5		5		5	
1/4	2,085.60	1/4	1,726.80	1/4	1,368.00	1/4	1,009.20	1/4	650.40	1/4	298.07	1/4		1/4		1/4		1/4	
1/2	2,078.12	1/2	1,719.32	1/2	1,360.52	1/2	1,001.72	1/2	642.92	1/2	291.04	1/2		1/2		1/2		1/2	
3/4	2,070.65	3/4	1,711.85	3/4	1,353.05	3/4	994.25	3/4	635.45	3/4	284.00	3/4		3/4		3/4		3/4	
6	2,063.17	6	1,704.37	6	1,345.57	6	986.77	6	627.97	6	276.97	6		6		6		6	
1/4	2,055.70	1/4	1,696.90	1/4	1,338.10	1/4	979.30	1/4	620.50	1/4	269.94	1/4		1/4		1/4		1/4	
1/2	2,048.22	1/2	1,689.42	1/2	1,330.62	1/2	971.82	1/2	613.02	1/2	263.03	1/2		1/2		1/2		1/2	
3/4	2,040.75	3/4	1,681.95	3/4	1,323.15	3/4	964.35	3/4	605.55	3/4	256.13	3/4		3/4		3/4		3/4	
7	2,033.27	7	1,674.47	7	1,315.67	7	956.87	7	598.07	7	249.22	7		7		7		7	
1/4	2,025.80	1/4	1,667.00	1/4	1,308.20	1/4	949.40	1/4	590.60	1/4	242.32	1/4		1/4		1/4		1/4	
1/2	2,018.32	1/2	1,659.52	1/2	1,300.72	1/2	941.92	1/2	583.12	1/2	235.41	1/2		1/2		1/2		1/2	
3/4	2,010.85	3/4	1,652.05	3/4	1,293.25	3/4	934.45	3/4	575.65	3/4	228.50	3/4		3/4		3/4		3/4	
8	2,003.37	8	1,644.57	8	1,285.77	8	926.97	8	568.17	8	221.60	8		8		8		8	
1/4	1,995.90	1/4	1,637.10	1/4	1,278.30	1/4	919.50	1/4	560.70	1/4	214.69	1/4		1/4		1/4		1/4	
1/2	1,988.42	1/2	1,629.62	1/2	1,270.82	1/2	912.02	1/2	553.22	1/2	207.91	1/2		1/2		1/2		1/2	
3/4	1,980.95	3/4	1,622.15	3/4	1,263.35	3/4	904.55	3/4	545.75	3/4	201.12	3/4		3/4		3/4		3/4	
9	1,973.47	9	1,614.67	9	1,255.87	9	897.07	9	538.27	9	194.34	9		9		9		9	
1/4	1,966.00	1/4	1,607.20	1/4	1,248.40	1/4	889.60	1/4	530.80	1/4	187.56	1/4		1/4		1/4		1/4	
1/2	1,958.52	1/2	1,599.72	1/2	1,240.92	1/2	882.12	1/2	523.32	1/2	180.78	1/2		1/2		1/2		1/2	
3/4	1,951.05	3/4	1,592.25	3/4	1,233.45	3/4	874.65	3/4	515.85	3/4	173.99	3/4		3/4		3/4		3/4	
10	1,943.57	10	1,584.77	10	1,225.97	10	867.17	10	508.37	10	167.21	10		10		10		10	
1/4	1,936.10	1/4	1,577.30	1/4	1,218.50	1/4	859.70	1/4	500.90	1/4	160.43	1/4		1/4		1/4		1/4	
1/2	1,928.62	1/2	1,569.82	1/2	1,211.02	1/2	852.22	1/2	493.50	1/2	153.77	1/2		1/2		1/2		1/2	
3/4	1,921.15	3/4	1,562.35	3/4	1,203.55	3/4	844.75	3/4	486.09	3/4	147.11	3/4		3/4		3/4		3/4	
11	1,913.67	11	1,554.87	11	1,196.07	11	837.27	11	478.69	11	140.46	11		11		11		11	
1/4	1,906.20	1/4	1,547.40	1/4	1,188.60	1/4	829.80	1/4	471.29	1/4	133.80	1/4		1/4		1/4		1/4	
1/2	1,898.72	1/2	1,539.92	1/2	1,181.12	1/2	822.32	1/2	463.88	1/2	127.14	1/2		1/2		1/2		1/2	
3/4	1,891.25	3/4	1,532.45	3/4	1,173.65	3/4	814.85	3/4	456.48	3/4	120.48	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/08/2011 INSP
RECALCULATED: 09/09/2021 PMA
NAME CHANGE: 09/09/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2021

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



BARGE "KIRBY 29150"

1 STBD
ULLAGE TABLE

MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30029"

GAUGE HEIGHT 16'-04 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	5,089.23	0	4,761.65	0	4,402.85	0	4,044.05	0	3,685.25	0	3,326.45	0	2,967.65	0	2,608.85
1/4		1/4		1/4	5,086.11	1/4	4,754.17	1/4	4,395.37	1/4	4,036.57	1/4	3,677.77	1/4	3,318.97	1/4	2,960.17	1/4	2,601.37
1/2		1/2		1/2	5,083.00	1/2	4,746.70	1/2	4,387.90	1/2	4,029.10	1/2	3,670.30	1/2	3,311.50	1/2	2,952.70	1/2	2,593.90
3/4		3/4		3/4	5,078.65	3/4	4,739.22	3/4	4,380.42	3/4	4,021.62	3/4	3,662.82	3/4	3,304.02	3/4	2,945.22	3/4	2,586.42
1		1		1	5,074.29	1	4,731.75	1	4,372.95	1	4,014.15	1	3,655.35	1	3,296.55	1	2,937.75	1	2,578.95
1/4		1/4		1/4	5,069.94	1/4	4,724.27	1/4	4,365.47	1/4	4,006.67	1/4	3,647.87	1/4	3,289.07	1/4	2,930.27	1/4	2,571.47
1/2		1/2		1/2	5,065.58	1/2	4,716.80	1/2	4,358.00	1/2	3,999.20	1/2	3,640.40	1/2	3,281.60	1/2	2,922.80	1/2	2,564.00
3/4		3/4		3/4	5,059.98	3/4	4,709.32	3/4	4,350.52	3/4	3,991.72	3/4	3,632.92	3/4	3,274.12	3/4	2,915.32	3/4	2,556.52
2		2		2	5,054.38	2	4,701.85	2	4,343.05	2	3,984.25	2	3,625.45	2	3,266.65	2	2,907.85	2	2,549.05
1/4		1/4		1/4	5,048.78	1/4	4,694.37	1/4	4,335.57	1/4	3,976.77	1/4	3,617.97	1/4	3,259.17	1/4	2,900.37	1/4	2,541.57
1/2		1/2		1/2	5,043.18	1/2	4,686.90	1/2	4,328.10	1/2	3,969.30	1/2	3,610.50	1/2	3,251.70	1/2	2,892.90	1/2	2,534.10
3/4		3/4		3/4	5,036.34	3/4	4,679.42	3/4	4,320.62	3/4	3,961.82	3/4	3,603.02	3/4	3,244.22	3/4	2,885.42	3/4	2,526.62
3		3		3	5,029.49	3	4,671.95	3	4,313.15	3	3,954.35	3	3,595.55	3	3,236.75	3	2,877.95	3	2,519.15
1/4		1/4		1/4	5,022.65	1/4	4,664.47	1/4	4,305.67	1/4	3,946.87	1/4	3,588.07	1/4	3,229.27	1/4	2,870.47	1/4	2,511.67
1/2		1/2		1/2	5,015.80	1/2	4,657.00	1/2	4,298.20	1/2	3,939.40	1/2	3,580.60	1/2	3,221.80	1/2	2,863.00	1/2	2,504.20
3/4		3/4		3/4	5,008.33	3/4	4,649.52	3/4	4,290.72	3/4	3,931.92	3/4	3,573.12	3/4	3,214.32	3/4	2,855.52	3/4	2,496.72
4		4		4	5,000.85	4	4,642.05	4	4,283.25	4	3,924.45	4	3,565.65	4	3,206.85	4	2,848.05	4	2,489.25
1/4		1/4		1/4	4,993.38	1/4	4,634.57	1/4	4,275.77	1/4	3,916.97	1/4	3,558.17	1/4	3,199.37	1/4	2,840.57	1/4	2,481.77
1/2		1/2		1/2	4,985.90	1/2	4,627.10	1/2	4,268.30	1/2	3,909.50	1/2	3,550.70	1/2	3,191.90	1/2	2,833.10	1/2	2,474.30
3/4		3/4		3/4	4,978.43	3/4	4,619.62	3/4	4,260.82	3/4	3,902.02	3/4	3,543.22	3/4	3,184.42	3/4	2,825.62	3/4	2,466.82
5		5		5	4,970.95	5	4,612.15	5	4,253.35	5	3,894.55	5	3,535.75	5	3,176.95	5	2,818.15	5	2,459.35
1/4		1/4		1/4	4,963.47	1/4	4,604.67	1/4	4,245.87	1/4	3,887.07	1/4	3,528.27	1/4	3,169.47	1/4	2,810.67	1/4	2,451.87
1/2		1/2		1/2	4,956.00	1/2	4,597.20	1/2	4,238.40	1/2	3,879.60	1/2	3,520.80	1/2	3,162.00	1/2	2,803.20	1/2	2,444.40
3/4		3/4		3/4	4,948.52	3/4	4,589.72	3/4	4,230.92	3/4	3,872.12	3/4	3,513.32	3/4	3,154.52	3/4	2,795.72	3/4	2,436.92
6		6		6	4,941.05	6	4,582.25	6	4,223.45	6	3,864.65	6	3,505.85	6	3,147.05	6	2,788.25	6	2,429.45
1/4		1/4		1/4	4,933.57	1/4	4,574.77	1/4	4,215.97	1/4	3,857.17	1/4	3,498.37	1/4	3,139.57	1/4	2,780.77	1/4	2,421.97
1/2		1/2		1/2	4,926.10	1/2	4,567.30	1/2	4,208.50	1/2	3,849.70	1/2	3,490.90	1/2	3,132.10	1/2	2,773.30	1/2	2,414.50
3/4		3/4		3/4	4,918.62	3/4	4,559.82	3/4	4,201.02	3/4	3,842.22	3/4	3,483.42	3/4	3,124.62	3/4	2,765.82	3/4	2,407.02
7		7		7	4,911.15	7	4,552.35	7	4,193.55	7	3,834.75	7	3,475.95	7	3,117.15	7	2,758.35	7	2,399.55
1/4		1/4		1/4	4,903.67	1/4	4,544.87	1/4	4,186.07	1/4	3,827.27	1/4	3,468.47	1/4	3,109.67	1/4	2,750.87	1/4	2,392.07
1/2		1/2		1/2	4,896.20	1/2	4,537.40	1/2	4,178.60	1/2	3,819.80	1/2	3,461.00	1/2	3,102.20	1/2	2,743.40	1/2	2,384.60
3/4		3/4		3/4	4,888.72	3/4	4,529.92	3/4	4,171.12	3/4	3,812.32	3/4	3,453.52	3/4	3,094.72	3/4	2,735.92	3/4	2,377.12
8		8		8	4,881.25	8	4,522.45	8	4,163.65	8	3,804.85	8	3,446.05	8	3,087.25	8	2,728.45	8	2,369.65
1/4		1/4		1/4	4,873.77	1/4	4,514.97	1/4	4,156.17	1/4	3,797.37	1/4	3,438.57	1/4	3,079.77	1/4	2,720.97	1/4	2,362.17
1/2		1/2		1/2	4,866.30	1/2	4,507.50	1/2	4,148.70	1/2	3,789.90	1/2	3,431.10	1/2	3,072.30	1/2	2,713.50	1/2	2,354.70
3/4		3/4		3/4	4,858.82	3/4	4,500.02	3/4	4,141.22	3/4	3,782.42	3/4	3,423.62	3/4	3,064.82	3/4	2,706.02	3/4	2,347.22
9		9		9	4,851.35	9	4,492.55	9	4,133.75	9	3,774.95	9	3,416.15	9	3,057.35	9	2,698.55	9	2,339.75
1/4		1/4		1/4	4,843.87	1/4	4,485.07	1/4	4,126.27	1/4	3,767.47	1/4	3,408.67	1/4	3,049.87	1/4	2,691.07	1/4	2,332.27
1/2		1/2		1/2	5,105.40	1/2	4,836.40	1/2	4,477.60	1/2	4,118.80	1/2	3,760.00	1/2	3,401.20	1/2	3,042.40	1/2	2,683.60
3/4		3/4		3/4	5,104.78	3/4	4,828.92	3/4	4,470.12	3/4	4,111.32	3/4	3,752.52	3/4	3,393.72	3/4	3,034.92	3/4	2,676.12
10		10		10	5,104.16	10	4,821.45	10	4,462.65	10	4,103.85	10	3,745.05	10	3,386.25	10	3,027.45	10	2,668.65
1/4		1/4		1/4	5,103.54	1/4	4,813.97	1/4	4,455.17	1/4	4,096.37	1/4	3,737.57	1/4	3,378.77	1/4	3,019.97	1/4	2,661.17
1/2		1/2		1/2	5,102.92	1/2	4,806.50	1/2	4,447.70	1/2	4,088.90	1/2	3,730.10	1/2	3,371.30	1/2	3,012.50	1/2	2,653.70
3/4		3/4		3/4	5,101.05	3/4	4,799.02	3/4	4,440.22	3/4	4,081.42	3/4	3,722.62	3/4	3,363.82	3/4	3,005.02	3/4	2,646.22
11		11		11	5,099.19	11	4,791.55	11	4,432.75	11	4,073.95	11	3,715.15	11	3,356.35	11	2,997.55	11	2,638.75
1/4		1/4		1/4	5,097.32	1/4	4,784.07	1/4	4,425.27	1/4	4,066.47	1/4	3,707.67	1/4	3,348.87	1/4	2,990.07	1/4	2,631.27
1/2		1/2		1/2	5,095.45	1/2	4,776.60	1/2	4,417.80	1/2	4,059.00	1/2	3,700.20	1/2	3,341.40	1/2	2,982.60	1/2	2,623.80
3/4		3/4		3/4	5,092.34	3/4	4,769.12	3/4	4,410.32	3/4	4,051.52	3/4	3,692.72	3/4	3,333.92	3/4	2,975.12	3/4	2,616.32

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 THREADS ON "MMC" VALVE
GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29150"

1 STBD ULLAGE TABLE MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30029"

GAUGE HEIGHT 16'-04 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	2,250.05	0	1,891.25	0	1,532.45	0	1,173.65	0	814.85	0	456.48	0	120.48	0		0		0	
1/4	2,242.57	1/4	1,883.77	1/4	1,524.97	1/4	1,166.17	1/4	807.37	1/4	449.07	1/4	113.83	1/4	1/4	1/4		1/4	1/4
1/2	2,235.10	1/2	1,876.30	1/2	1,517.50	1/2	1,158.70	1/2	799.90	1/2	441.67	1/2	107.17	1/2	1/2	1/2		1/2	1/2
3/4	2,227.62	3/4	1,868.82	3/4	1,510.02	3/4	1,151.22	3/4	792.42	3/4	434.39	3/4	100.64	3/4	3/4	3/4		3/4	3/4
1	2,220.15	1	1,861.35	1	1,502.55	1	1,143.75	1	784.95	1	427.11	1	94.10	1	1	1		1	1
1/4	2,212.67	1/4	1,853.87	1/4	1,495.07	1/4	1,136.27	1/4	777.47	1/4	419.83	1/4	87.57	1/4	1/4	1/4		1/4	1/4
1/2	2,205.20	1/2	1,846.40	1/2	1,487.60	1/2	1,128.80	1/2	770.00	1/2	412.55	1/2	81.04	1/2	1/2	1/2		1/2	1/2
3/4	2,197.72	3/4	1,838.92	3/4	1,480.12	3/4	1,121.32	3/4	762.52	3/4	405.27	3/4	74.50	3/4	3/4	3/4		3/4	3/4
2	2,190.25	2	1,831.45	2	1,472.65	2	1,113.85	2	755.05	2	397.99	2	67.97	2	2	2		2	2
1/4	2,182.77	1/4	1,823.97	1/4	1,465.17	1/4	1,106.37	1/4	747.57	1/4	390.71	1/4	61.43	1/4	1/4	1/4		1/4	1/4
1/2	2,175.30	1/2	1,816.50	1/2	1,457.70	1/2	1,098.90	1/2	740.10	1/2	383.43	1/2	54.90	1/2	1/2	1/2		1/2	1/2
3/4	2,167.82	3/4	1,809.02	3/4	1,450.22	3/4	1,091.42	3/4	732.62	3/4	376.27	3/4	49.22	3/4	3/4	3/4		3/4	3/4
3	2,160.35	3	1,801.55	3	1,442.75	3	1,083.95	3	725.15	3	369.12	3	43.55	3	3	3		3	3
1/4	2,152.87	1/4	1,794.07	1/4	1,435.27	1/4	1,076.47	1/4	717.67	1/4	361.96	1/4	37.87	1/4	1/4	1/4		1/4	1/4
1/2	2,145.40	1/2	1,786.60	1/2	1,427.80	1/2	1,069.00	1/2	710.20	1/2	354.81	1/2	32.20	1/2	1/2	1/2		1/2	1/2
3/4	2,137.92	3/4	1,779.12	3/4	1,420.32	3/4	1,061.52	3/4	702.72	3/4	347.65	3/4	27.99	3/4	3/4	3/4		3/4	3/4
4	2,130.45	4	1,771.65	4	1,412.85	4	1,054.05	4	695.25	4	340.50	4	23.78	4	4	4		4	4
1/4	2,122.97	1/4	1,764.17	1/4	1,405.37	1/4	1,046.57	1/4	687.77	1/4	333.34	1/4	19.57	1/4	1/4	1/4		1/4	1/4
1/2	2,115.50	1/2	1,756.70	1/2	1,397.90	1/2	1,039.10	1/2	680.30	1/2	326.19	1/2	15.36	1/2	1/2	1/2		1/2	1/2
3/4	2,108.02	3/4	1,749.22	3/4	1,390.42	3/4	1,031.62	3/4	672.82	3/4	319.16	3/4		3/4	3/4	3/4		3/4	3/4
5	2,100.55	5	1,741.75	5	1,382.95	5	1,024.15	5	665.35	5	312.13	5		5	5	5		5	5
1/4	2,093.07	1/4	1,734.27	1/4	1,375.47	1/4	1,016.67	1/4	657.87	1/4	305.10	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,085.60	1/2	1,726.80	1/2	1,368.00	1/2	1,009.20	1/2	650.40	1/2	298.07	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,078.12	3/4	1,719.32	3/4	1,360.52	3/4	1,001.72	3/4	642.92	3/4	291.04	3/4		3/4	3/4	3/4		3/4	3/4
6	2,070.65	6	1,711.85	6	1,353.05	6	994.25	6	635.45	6	284.00	6		6	6	6		6	6
1/4	2,063.17	1/4	1,704.37	1/4	1,345.57	1/4	986.77	1/4	627.97	1/4	276.97	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,055.70	1/2	1,696.90	1/2	1,338.10	1/2	979.30	1/2	620.50	1/2	269.94	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,048.22	3/4	1,689.42	3/4	1,330.62	3/4	971.82	3/4	613.02	3/4	263.03	3/4		3/4	3/4	3/4		3/4	3/4
7	2,040.75	7	1,681.95	7	1,323.15	7	964.35	7	605.55	7	256.13	7		7	7	7		7	7
1/4	2,033.27	1/4	1,674.47	1/4	1,315.67	1/4	956.87	1/4	598.07	1/4	249.22	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,025.80	1/2	1,667.00	1/2	1,308.20	1/2	949.40	1/2	590.60	1/2	242.32	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,018.32	3/4	1,659.52	3/4	1,300.72	3/4	941.92	3/4	583.12	3/4	235.41	3/4		3/4	3/4	3/4		3/4	3/4
8	2,010.85	8	1,652.05	8	1,293.25	8	934.45	8	575.65	8	228.50	8		8	8	8		8	8
1/4	2,003.37	1/4	1,644.57	1/4	1,285.77	1/4	926.97	1/4	568.17	1/4	221.60	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,995.90	1/2	1,637.10	1/2	1,278.30	1/2	919.50	1/2	560.70	1/2	214.69	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,988.42	3/4	1,629.62	3/4	1,270.82	3/4	912.02	3/4	553.22	3/4	207.91	3/4		3/4	3/4	3/4		3/4	3/4
9	1,980.95	9	1,622.15	9	1,263.35	9	904.55	9	545.75	9	201.12	9		9	9	9		9	9
1/4	1,973.47	1/4	1,614.67	1/4	1,255.87	1/4	897.07	1/4	538.27	1/4	194.34	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,966.00	1/2	1,607.20	1/2	1,248.40	1/2	889.60	1/2	530.80	1/2	187.56	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,958.52	3/4	1,599.72	3/4	1,240.92	3/4	882.12	3/4	523.32	3/4	180.78	3/4		3/4	3/4	3/4		3/4	3/4
10	1,951.05	10	1,592.25	10	1,233.45	10	874.65	10	515.85	10	173.99	10		10	10	10		10	10
1/4	1,943.57	1/4	1,584.77	1/4	1,225.97	1/4	867.17	1/4	508.37	1/4	167.21	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,936.10	1/2	1,577.30	1/2	1,218.50	1/2	859.70	1/2	500.90	1/2	160.43	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,928.62	3/4	1,569.82	3/4	1,211.02	3/4	852.22	3/4	493.50	3/4	153.77	3/4		3/4	3/4	3/4		3/4	3/4
11	1,921.15	11	1,562.35	11	1,203.55	11	844.75	11	486.09	11	147.11	11		11	11	11		11	11
1/4	1,913.67	1/4	1,554.87	1/4	1,196.07	1/4	837.27	1/4	478.69	1/4	140.46	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,906.20	1/2	1,547.40	1/2	1,188.60	1/2	829.80	1/2	471.29	1/2	133.80	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,898.72	3/4	1,539.92	3/4	1,181.12	3/4	822.32	3/4	463.88	3/4	127.14	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/08/2011 INSP
RECALCULATED: 09/09/2021 PMA
NAME CHANGE: 09/09/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2021

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



BARGE "KIRBY 29150"

2 PORT ULLAGE TABLE

MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30029"

GAUGE HEIGHT 16'-04 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	5,133.25	0	4,805.10	0	4,445.87	0	4,086.63	0	3,727.40	0	3,368.17	0	3,008.94	0	2,649.70
1/4		1/4		1/4	5,130.13	1/4	4,797.61	1/4	4,438.38	1/4	4,079.15	1/4	3,719.92	1/4	3,360.69	1/4	3,001.45	1/4	2,642.22
1/2		1/2		1/2	5,127.00	1/2	4,790.13	1/2	4,430.90	1/2	4,071.66	1/2	3,712.43	1/2	3,353.20	1/2	2,993.97	1/2	2,634.74
3/4		3/4		3/4	5,122.63	3/4	4,782.65	3/4	4,423.42	3/4	4,064.18	3/4	3,704.95	3/4	3,345.72	3/4	2,986.49	3/4	2,627.25
1		1		1	5,118.26	1	4,775.16	1	4,415.93	1	4,056.70	1	3,697.47	1	3,338.23	1	2,979.00	1	2,619.77
1/4		1/4		1/4	5,113.89	1/4	4,767.68	1/4	4,408.45	1/4	4,049.21	1/4	3,689.98	1/4	3,330.75	1/4	2,971.52	1/4	2,612.28
1/2		1/2		1/2	5,109.52	1/2	4,760.19	1/2	4,400.96	1/2	4,041.73	1/2	3,682.50	1/2	3,323.26	1/2	2,964.03	1/2	2,604.80
3/4		3/4		3/4	5,103.90	3/4	4,752.71	3/4	4,393.48	3/4	4,034.25	3/4	3,675.02	3/4	3,315.78	3/4	2,956.55	3/4	2,597.31
2		2		2	5,098.28	2	4,745.23	2	4,385.99	2	4,026.76	2	3,667.53	2	3,308.30	2	2,949.07	2	2,589.83
1/4		1/4		1/4	5,092.65	1/4	4,737.74	1/4	4,378.51	1/4	4,019.28	1/4	3,660.05	1/4	3,300.81	1/4	2,941.58	1/4	2,582.34
1/2		1/2		1/2	5,087.03	1/2	4,730.26	1/2	4,371.02	1/2	4,011.79	1/2	3,652.56	1/2	3,293.33	1/2	2,934.10	1/2	2,574.86
3/4		3/4		3/4	5,080.16	3/4	4,722.78	3/4	4,363.54	3/4	4,004.31	3/4	3,645.08	3/4	3,285.85	3/4	2,926.62	3/4	2,567.38
3		3		3	5,073.29	3	4,715.29	3	4,356.06	3	3,996.83	3	3,637.59	3	3,278.36	3	2,919.13	3	2,559.89
1/4		1/4		1/4	5,066.42	1/4	4,707.81	1/4	4,348.57	1/4	3,989.34	1/4	3,630.11	1/4	3,270.88	1/4	2,911.65	1/4	2,552.41
1/2		1/2		1/2	5,059.55	1/2	4,700.32	1/2	4,341.09	1/2	3,981.86	1/2	3,622.62	1/2	3,263.39	1/2	2,904.16	1/2	2,544.93
3/4		3/4		3/4	5,052.07	3/4	4,692.84	3/4	4,333.61	3/4	3,974.38	3/4	3,615.14	3/4	3,255.91	3/4	2,896.68	3/4	2,537.44
4		4		4	5,044.59	4	4,685.35	4	4,326.12	4	3,966.89	4	3,607.66	4	3,248.43	4	2,889.19	4	2,529.96
1/4		1/4		1/4	5,037.10	1/4	4,677.87	1/4	4,318.64	1/4	3,959.41	1/4	3,600.17	1/4	3,240.94	1/4	2,881.71	1/4	2,522.47
1/2		1/2		1/2	5,029.62	1/2	4,670.38	1/2	4,311.15	1/2	3,951.92	1/2	3,592.69	1/2	3,233.46	1/2	2,874.22	1/2	2,514.99
3/4		3/4		3/4	5,022.14	3/4	4,662.90	3/4	4,303.67	3/4	3,944.44	3/4	3,585.21	3/4	3,225.98	3/4	2,866.74	3/4	2,507.51
5		5		5	5,014.65	5	4,655.42	5	4,296.19	5	3,936.95	5	3,577.73	5	3,218.49	5	2,859.26	5	2,500.02
1/4		1/4		1/4	5,007.17	1/4	4,647.93	1/4	4,288.70	1/4	3,929.47	1/4	3,570.24	1/4	3,211.01	1/4	2,851.77	1/4	2,492.54
1/2		1/2		1/2	4,999.68	1/2	4,640.45	1/2	4,281.22	1/2	3,921.98	1/2	3,562.76	1/2	3,203.52	1/2	2,844.29	1/2	2,485.06
3/4		3/4		3/4	4,992.20	3/4	4,632.97	3/4	4,273.74	3/4	3,914.50	3/4	3,555.28	3/4	3,196.04	3/4	2,836.81	3/4	2,477.57
6		6		6	4,984.71	6	4,625.48	6	4,266.25	6	3,907.02	6	3,547.79	6	3,188.55	6	2,829.32	6	2,470.09
1/4		1/4		1/4	4,977.23	1/4	4,618.00	1/4	4,258.77	1/4	3,899.53	1/4	3,540.31	1/4	3,181.07	1/4	2,821.84	1/4	2,462.60
1/2		1/2		1/2	4,969.74	1/2	4,610.51	1/2	4,251.28	1/2	3,892.05	1/2	3,532.82	1/2	3,173.58	1/2	2,814.35	1/2	2,455.12
3/4		3/4		3/4	4,962.21	3/4	4,603.03	3/4	4,243.80	3/4	3,884.57	3/4	3,525.34	3/4	3,166.10	3/4	2,806.87	3/4	2,447.63
7		7		7	4,954.68	7	4,595.55	7	4,236.31	7	3,877.08	7	3,517.85	7	3,158.62	7	2,799.39	7	2,440.15
1/4		1/4		1/4	4,947.14	1/4	4,588.06	1/4	4,228.83	1/4	3,869.60	1/4	3,510.37	1/4	3,151.13	1/4	2,791.90	1/4	2,432.66
1/2		1/2		1/2	4,939.61	1/2	4,580.58	1/2	4,221.34	1/2	3,862.11	1/2	3,502.88	1/2	3,143.65	1/2	2,784.42	1/2	2,425.18
3/4		3/4		3/4	4,932.18	3/4	4,573.10	3/4	4,213.86	3/4	3,854.63	3/4	3,495.40	3/4	3,136.17	3/4	2,776.94	3/4	2,417.70
8		8		8	4,924.74	8	4,565.61	8	4,206.38	8	3,847.15	8	3,487.91	8	3,128.68	8	2,769.45	8	2,410.21
1/4		1/4		1/4	4,917.31	1/4	4,558.13	1/4	4,198.89	1/4	3,839.66	1/4	3,480.43	1/4	3,121.20	1/4	2,761.97	1/4	2,402.73
1/2		1/2		1/2	4,909.87	1/2	4,550.64	1/2	4,191.41	1/2	3,832.18	1/2	3,472.94	1/2	3,113.71	1/2	2,754.48	1/2	2,395.25
3/4		3/4		3/4	4,902.39	3/4	4,543.16	3/4	4,183.93	3/4	3,824.70	3/4	3,465.46	3/4	3,106.23	3/4	2,747.00	3/4	2,387.76
9		9		9	4,894.91	9	4,535.67	9	4,176.44	9	3,817.21	9	3,457.98	9	3,098.75	9	2,739.51	9	2,380.28
1/4		1/4		1/4	4,887.42	1/4	4,528.19	1/4	4,168.96	1/4	3,809.73	1/4	3,450.49	1/4	3,091.26	1/4	2,732.03	1/4	2,372.79
1/2		1/2		1/2	5,149.49	1/2	4,879.94	1/2	4,520.70	1/2	4,161.47	1/2	3,802.24	1/2	3,443.01	1/2	3,083.78	1/2	2,724.54
3/4		3/4		3/4	5,148.87	3/4	4,872.46	3/4	4,513.22	3/4	4,153.99	3/4	3,794.76	3/4	3,435.53	3/4	3,076.30	3/4	2,717.06
10		10		10	5,148.24	10	4,864.97	10	4,505.74	10	4,146.51	10	3,787.27	10	3,428.04	10	3,068.81	10	2,709.58
1/4		1/4		1/4	5,147.62	1/4	4,857.49	1/4	4,498.25	1/4	4,139.02	1/4	3,779.79	1/4	3,420.56	1/4	3,061.33	1/4	2,702.09
1/2		1/2		1/2	5,146.99	1/2	4,850.00	1/2	4,490.77	1/2	4,131.54	1/2	3,772.30	1/2	3,413.07	1/2	3,053.84	1/2	2,694.61
3/4		3/4		3/4	5,145.12	3/4	4,842.52	3/4	4,483.29	3/4	4,124.06	3/4	3,764.82	3/4	3,405.59	3/4	3,046.36	3/4	2,687.12
11		11		11	5,143.25	11	4,835.03	11	4,475.80	11	4,116.57	11	3,757.34	11	3,398.11	11	3,038.87	11	2,679.64
1/4		1/4		1/4	5,141.37	1/4	4,827.55	1/4	4,468.32	1/4	4,109.09	1/4	3,749.85	1/4	3,390.62	1/4	3,031.39	1/4	2,672.15
1/2		1/2		1/2	5,139.50	1/2	4,820.06	1/2	4,460.83	1/2	4,101.60	1/2	3,742.37	1/2	3,383.14	1/2	3,023.90	1/2	2,664.67
3/4		3/4		3/4	5,136.38	3/4	4,812.58	3/4	4,453.35	3/4	4,094.12	3/4	3,734.89	3/4	3,375.66	3/4	3,016.42	3/4	2,657.19

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 THREADS ON "MMC" VALVE

GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29150"

2 PORT ULLAGE TABLE MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30029"

GAUGE HEIGHT 16'-04 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	2,290.47	0	1,781.24	0	1,572.01	0	1,212.77	0	853.54	0	494.31	0	135.08	0		0		0	
1/4	2,282.98	1/4	1,848.75	1/4	1,564.52	1/4	1,205.29	1/4	846.06	1/4	486.82	1/4	127.59	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,275.50	1/2	1,916.27	1/2	1,557.04	1/2	1,197.81	1/2	838.58	1/2	479.34	1/2	120.11	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,268.02	3/4	1,908.79	3/4	1,549.55	3/4	1,190.32	3/4	831.09	3/4	471.86	3/4	112.63	3/4	3/4	3/4	3/4	3/4	3/4
1	2,260.53	1	1,901.30	1	1,542.07	1	1,182.84	1	823.61	1	464.37	1	105.14	1	1	1	1	1	1
1/4	2,253.05	1/4	1,893.82	1/4	1,534.58	1/4	1,175.35	1/4	816.12	1/4	456.89	1/4	97.66	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,245.57	1/2	1,886.34	1/2	1,527.10	1/2	1,167.87	1/2	808.64	1/2	449.41	1/2	90.18	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,238.08	3/4	1,878.85	3/4	1,519.62	3/4	1,160.39	3/4	801.15	3/4	441.92	3/4	82.69	3/4	3/4	3/4	3/4	3/4	3/4
2	2,230.60	2	1,871.37	2	1,512.13	2	1,152.90	2	793.67	2	434.44	2	75.21	2	2	2	2	2	2
1/4	2,223.11	1/4	1,863.88	1/4	1,504.65	1/4	1,145.42	1/4	786.18	1/4	426.95	1/4	67.72	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,215.63	1/2	1,856.40	1/2	1,497.17	1/2	1,137.94	1/2	778.70	1/2	419.47	1/2	60.24	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,208.15	3/4	1,848.91	3/4	1,489.68	3/4	1,130.45	3/4	771.22	3/4	411.99	3/4	53.68	3/4	3/4	3/4	3/4	3/4	3/4
3	2,200.66	3	1,841.43	3	1,482.20	3	1,122.97	3	763.73	3	404.50	3	47.12	3	3	3	3	3	3
1/4	2,193.18	1/4	1,833.94	1/4	1,474.71	1/4	1,115.48	1/4	756.25	1/4	397.02	1/4	40.57	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,185.70	1/2	1,826.46	1/2	1,467.23	1/2	1,108.00	1/2	748.77	1/2	389.54	1/2	34.01	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,178.21	3/4	1,818.98	3/4	1,459.75	3/4	1,100.51	3/4	741.28	3/4	382.05	3/4	29.32	3/4	3/4	3/4	3/4	3/4	3/4
4	2,170.73	4	1,811.49	4	1,452.26	4	1,093.03	4	733.80	4	374.57	4	24.64	4	4	4	4	4	4
1/4	2,163.24	1/4	1,804.01	1/4	1,444.78	1/4	1,085.54	1/4	726.31	1/4	367.08	1/4	19.95	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,155.76	1/2	1,796.53	1/2	1,437.30	1/2	1,078.06	1/2	718.83	1/2	359.60	1/2	15.27	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,148.27	3/4	1,789.04	3/4	1,429.81	3/4	1,070.58	3/4	711.35	3/4	352.11	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	2,140.79	5	1,781.56	5	1,422.33	5	1,063.09	5	703.86	5	344.63	5		5	5	5	5	5	5
1/4	2,133.30	1/4	1,774.07	1/4	1,414.84	1/4	1,055.61	1/4	696.38	1/4	337.14	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,125.82	1/2	1,766.59	1/2	1,407.36	1/2	1,048.13	1/2	688.90	1/2	329.66	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,118.34	3/4	1,759.11	3/4	1,399.87	3/4	1,040.64	3/4	681.41	3/4	322.18	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,110.85	6	1,751.62	6	1,392.39	6	1,033.16	6	673.93	6	314.69	6	6	6	6	6	6	6	6
1/4	2,103.37	1/4	1,744.14	1/4	1,384.90	1/4	1,025.67	1/4	666.44	1/4	307.21	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,095.89	1/2	1,736.66	1/2	1,377.42	1/2	1,018.19	1/2	658.96	1/2	299.73	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,088.40	3/4	1,729.17	3/4	1,369.94	3/4	1,010.71	3/4	651.47	3/4	292.24	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	2,080.92	7	1,721.69	7	1,362.45	7	1,003.22	7	643.99	7	284.76	7	7	7	7	7	7	7	7
1/4	2,073.43	1/4	1,714.20	1/4	1,354.97	1/4	995.74	1/4	636.50	1/4	277.27	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,065.95	1/2	1,706.72	1/2	1,347.49	1/2	988.26	1/2	629.02	1/2	269.79	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,058.47	3/4	1,699.23	3/4	1,340.00	3/4	980.77	3/4	621.54	3/4	262.31	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	2,050.98	8	1,691.75	8	1,332.52	8	973.29	8	614.05	8	254.82	8	8	8	8	8	8	8	8
1/4	2,043.50	1/4	1,684.26	1/4	1,325.03	1/4	965.80	1/4	606.57	1/4	247.34	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,036.02	1/2	1,676.78	1/2	1,317.55	1/2	958.32	1/2	599.09	1/2	239.86	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,028.53	3/4	1,669.30	3/4	1,310.07	3/4	950.83	3/4	591.60	3/4	232.37	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,021.05	9	1,661.81	9	1,302.58	9	943.35	9	584.12	9	224.89	9	9	9	9	9	9	9	9
1/4	2,013.56	1/4	1,654.33	1/4	1,295.10	1/4	935.86	1/4	576.63	1/4	217.40	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,006.08	1/2	1,646.85	1/2	1,287.62	1/2	928.38	1/2	569.15	1/2	209.92	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,998.59	3/4	1,639.36	3/4	1,280.13	3/4	920.90	3/4	561.67	3/4	202.43	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,991.11	10	1,631.88	10	1,272.65	10	913.41	10	554.18	10	194.95	10	10	10	10	10	10	10	10
1/4	1,983.62	1/4	1,624.39	1/4	1,265.16	1/4	905.93	1/4	546.70	1/4	187.46	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,976.14	1/2	1,616.91	1/2	1,257.68	1/2	898.45	1/2	539.22	1/2	179.98	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,968.66	3/4	1,609.43	3/4	1,250.19	3/4	890.96	3/4	531.73	3/4	172.50	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,811.17	11	1,601.94	11	1,242.71	11	883.48	11	524.25	11	165.01	11	11	11	11	11	11	11	11
1/4	1,728.69	1/4	1,594.46	1/4	1,235.22	1/4	875.99	1/4	516.76	1/4	157.53	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,646.21	1/2	1,586.98	1/2	1,227.74	1/2	868.51	1/2	509.28	1/2	150.05	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,713.72	3/4	1,579.49	3/4	1,220.26	3/4	861.03	3/4	501.79	3/4	142.56	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/08/2011 INSP
RECALCULATED: 09/09/2021 PMA
NAME CHANGE: 09/09/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2021

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



BARGE "KIRBY 29150"

2 STBD ULLAGE TABLE

MMC

GAUGE HEIGHT 16'-04"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30029"

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	5,127.00	0	4,790.13	0	4,430.90	0	4,071.66	0	3,712.43	0	3,353.20	0	2,993.97	0	2,634.74		
1/4	1/4	1/4	1/4	1/4	5,122.63	1/4	4,782.65	1/4	4,423.42	1/4	4,064.18	1/4	3,704.95	1/4	3,345.72	1/4	2,986.49	1/4	2,627.25		
1/2	1/2	1/2	1/2	1/2	5,118.26	1/2	4,775.16	1/2	4,415.93	1/2	4,056.70	1/2	3,697.47	1/2	3,338.23	1/2	2,979.00	1/2	2,619.77		
3/4	3/4	3/4	3/4	3/4	5,113.89	3/4	4,767.68	3/4	4,408.45	3/4	4,049.21	3/4	3,689.98	3/4	3,330.75	3/4	2,971.52	3/4	2,612.28		
1	1	1	1	1	5,109.52	1	4,760.19	1	4,400.96	1	4,041.73	1	3,682.50	1	3,323.26	1	2,964.03	1	2,604.80		
1/4	1/4	1/4	1/4	1/4	5,103.90	1/4	4,752.71	1/4	4,393.48	1/4	4,034.25	1/4	3,675.02	1/4	3,315.78	1/4	2,956.55	1/4	2,597.31		
1/2	1/2	1/2	1/2	1/2	5,098.28	1/2	4,745.23	1/2	4,385.99	1/2	4,026.76	1/2	3,667.53	1/2	3,308.30	1/2	2,949.07	1/2	2,589.83		
3/4	3/4	3/4	3/4	3/4	5,092.65	3/4	4,737.74	3/4	4,378.51	3/4	4,019.28	3/4	3,660.05	3/4	3,300.81	3/4	2,941.58	3/4	2,582.34		
2	2	2	2	2	5,087.03	2	4,730.26	2	4,371.02	2	4,011.79	2	3,652.56	2	3,293.33	2	2,934.10	2	2,574.86		
1/4	1/4	1/4	1/4	1/4	5,080.16	1/4	4,722.78	1/4	4,363.54	1/4	4,004.31	1/4	3,645.08	1/4	3,285.85	1/4	2,926.62	1/4	2,567.38		
1/2	1/2	1/2	1/2	1/2	5,073.29	1/2	4,715.29	1/2	4,356.06	1/2	3,996.83	1/2	3,637.59	1/2	3,278.36	1/2	2,919.13	1/2	2,559.89		
3/4	3/4	3/4	3/4	3/4	5,066.42	3/4	4,707.81	3/4	4,348.57	3/4	3,989.34	3/4	3,630.11	3/4	3,270.88	3/4	2,911.65	3/4	2,552.41		
3	3	3	3	3	5,059.55	3	4,700.32	3	4,341.09	3	3,981.86	3	3,622.62	3	3,263.39	3	2,904.16	3	2,544.93		
1/4	1/4	1/4	1/4	1/4	5,052.07	1/4	4,692.84	1/4	4,333.61	1/4	3,974.38	1/4	3,615.14	1/4	3,255.91	1/4	2,896.68	1/4	2,537.44		
1/2	1/2	1/2	1/2	1/2	5,044.59	1/2	4,685.35	1/2	4,326.12	1/2	3,966.89	1/2	3,607.66	1/2	3,248.43	1/2	2,889.19	1/2	2,529.96		
3/4	3/4	3/4	3/4	3/4	5,037.10	3/4	4,677.87	3/4	4,318.64	3/4	3,959.41	3/4	3,600.17	3/4	3,240.94	3/4	2,881.71	3/4	2,522.47		
4	4	4	4	4	5,029.62	4	4,670.38	4	4,311.15	4	3,951.92	4	3,592.69	4	3,233.46	4	2,874.22	4	2,514.99		
1/4	1/4	1/4	1/4	1/4	5,022.14	1/4	4,662.90	1/4	4,303.67	1/4	3,944.44	1/4	3,585.21	1/4	3,225.98	1/4	2,866.74	1/4	2,507.51		
1/2	1/2	1/2	1/2	1/2	5,014.65	1/2	4,655.42	1/2	4,296.19	1/2	3,936.95	1/2	3,577.73	1/2	3,218.49	1/2	2,859.26	1/2	2,500.02		
3/4	3/4	3/4	3/4	3/4	5,007.17	3/4	4,647.93	3/4	4,288.70	3/4	3,929.47	3/4	3,570.24	3/4	3,211.01	3/4	2,851.77	3/4	2,492.54		
5	5	5	5	5	4,999.68	5	4,640.45	5	4,281.22	5	3,921.98	5	3,562.76	5	3,203.52	5	2,844.29	5	2,485.06		
1/4	1/4	1/4	1/4	1/4	4,992.20	1/4	4,632.97	1/4	4,273.74	1/4	3,914.50	1/4	3,555.28	1/4	3,196.04	1/4	2,836.81	1/4	2,477.57		
1/2	1/2	1/2	1/2	1/2	4,984.71	1/2	4,625.48	1/2	4,266.25	1/2	3,907.02	1/2	3,547.79	1/2	3,188.55	1/2	2,829.32	1/2	2,470.09		
3/4	3/4	3/4	3/4	3/4	4,977.23	3/4	4,618.00	3/4	4,258.77	3/4	3,899.53	3/4	3,540.31	3/4	3,181.07	3/4	2,821.84	3/4	2,462.60		
6	6	6	6	6	4,969.74	6	4,610.51	6	4,251.28	6	3,892.05	6	3,532.82	6	3,173.58	6	2,814.35	6	2,455.12		
1/4	1/4	1/4	1/4	1/4	4,962.21	1/4	4,603.03	1/4	4,243.80	1/4	3,884.57	1/4	3,525.34	1/4	3,166.10	1/4	2,806.87	1/4	2,447.63		
1/2	1/2	1/2	1/2	1/2	4,954.68	1/2	4,595.55	1/2	4,236.31	1/2	3,877.08	1/2	3,517.85	1/2	3,158.62	1/2	2,799.39	1/2	2,440.15		
3/4	3/4	3/4	3/4	3/4	4,947.14	3/4	4,588.06	3/4	4,228.83	3/4	3,869.60	3/4	3,510.37	3/4	3,151.13	3/4	2,791.90	3/4	2,432.66		
7	7	7	7	7	4,939.61	7	4,580.58	7	4,221.34	7	3,862.11	7	3,502.88	7	3,143.65	7	2,784.42	7	2,425.18		
1/4	1/4	1/4	1/4	1/4	4,932.18	1/4	4,573.10	1/4	4,213.86	1/4	3,854.63	1/4	3,495.40	1/4	3,136.17	1/4	2,776.94	1/4	2,417.70		
1/2	1/2	1/2	1/2	1/2	4,924.74	1/2	4,565.61	1/2	4,206.38	1/2	3,847.15	1/2	3,487.91	1/2	3,128.68	1/2	2,769.45	1/2	2,410.21		
3/4	3/4	3/4	3/4	3/4	4,917.31	3/4	4,558.13	3/4	4,198.89	3/4	3,839.66	3/4	3,480.43	3/4	3,121.20	3/4	2,761.97	3/4	2,402.73		
8	8	8	8	8	4,909.87	8	4,550.64	8	4,191.41	8	3,832.18	8	3,472.94	8	3,113.71	8	2,754.48	8	2,395.25		
1/4	1/4	1/4	1/4	1/4	4,902.39	1/4	4,543.16	1/4	4,183.93	1/4	3,824.70	1/4	3,465.46	1/4	3,106.23	1/4	2,747.00	1/4	2,387.76		
1/2	1/2	1/2	1/2	1/2	4,894.91	1/2	4,535.67	1/2	4,176.44	1/2	3,817.21	1/2	3,457.98	1/2	3,098.75	1/2	2,739.51	1/2	2,380.28		
3/4	3/4	3/4	3/4	3/4	4,887.42	3/4	4,528.19	3/4	4,168.96	3/4	3,809.73	3/4	3,450.49	3/4	3,091.26	3/4	2,732.03	3/4	2,372.79		
9	9	9	9	9	5,149.49	9	4,879.94	9	4,520.70	9	4,161.47	9	3,802.24	9	3,443.01	9	3,083.78	9	2,724.54	9	2,365.31
1/4	1/4	1/4	1/4	1/4	5,148.87	1/4	4,872.46	1/4	4,513.22	1/4	4,153.99	1/4	3,794.76	1/4	3,435.53	1/4	3,076.30	1/4	2,717.06	1/4	2,357.83
1/2	1/2	1/2	1/2	1/2	5,148.24	1/2	4,864.97	1/2	4,505.74	1/2	4,146.51	1/2	3,787.27	1/2	3,428.04	1/2	3,068.81	1/2	2,709.58	1/2	2,350.34
3/4	3/4	3/4	3/4	3/4	5,147.62	3/4	4,857.49	3/4	4,498.25	3/4	4,139.02	3/4	3,779.79	3/4	3,420.56	3/4	3,061.33	3/4	2,702.09	3/4	2,342.86
10	10	10	10	10	5,146.99	10	4,850.00	10	4,490.77	10	4,131.54	10	3,772.30	10	3,413.07	10	3,053.84	10	2,694.61	10	2,335.38
1/4	1/4	1/4	1/4	1/4	5,145.12	1/4	4,842.52	1/4	4,483.29	1/4	4,124.06	1/4	3,764.82	1/4	3,405.59	1/4	3,046.36	1/4	2,687.12	1/4	2,327.89
1/2	1/2	1/2	1/2	1/2	5,143.25	1/2	4,835.03	1/2	4,475.80	1/2	4,116.57	1/2	3,757.34	1/2	3,398.11	1/2	3,038.87	1/2	2,679.64	1/2	2,320.41
3/4	3/4	3/4	3/4	3/4	5,141.37	3/4	4,827.55	3/4	4,468.32	3/4	4,109.09	3/4	3,749.85	3/4	3,390.62	3/4	3,031.39	3/4	2,672.15	3/4	2,312.92
11	11	11	11	11	5,139.50	11	4,820.06	11	4,460.83	11	4,101.60	11	3,742.37	11	3,383.14	11	3,023.90	11	2,664.67	11	2,305.44
1/4	1/4	1/4	1/4	1/4	5,136.38	1/4	4,812.58	1/4	4,453.35	1/4	4,094.12	1/4	3,734.89	1/4	3,375.66	1/4	3,016.42	1/4	2,657.19	1/4	2,297.95
1/2	1/2	1/2	1/2	1/2	5,133.25	1/2	4,805.10	1/2	4,445.87	1/2	4,086.63	1/2	3,727.40	1/2	3,368.17	1/2	3,008.94	1/2	2,649.70	1/2	2,290.47
3/4	3/4	3/4	3/4	3/4	5,130.13	3/4	4,797.61	3/4	4,438.38	3/4	4,079.15	3/4	3,719.92	3/4	3,360.69	3/4	3,001.45	3/4	2,642.22	3/4	2,282.98

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 THREADS ON "MMC" VALVE
 GAUGE POINT: (MMC) LOCATED 12'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29150"

2 STBD

ULLAGE TABLE

MMC

GAUGE HEIGHT 16'-04"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30029"

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	2,275.50	0	1,916.27	0	1,557.04	0	1,197.81	0	838.58	0	479.34	0	120.11	0		0		0	
1/4	2,268.02	1/4	1,908.79	1/4	1,549.55	1/4	1,190.32	1/4	831.09	1/4	471.86	1/4	112.63	1/4		1/4		1/4	
1/2	2,260.53	1/2	1,901.30	1/2	1,542.07	1/2	1,182.84	1/2	823.61	1/2	464.37	1/2	105.14	1/2		1/2		1/2	
3/4	2,253.05	3/4	1,893.82	3/4	1,534.58	3/4	1,175.35	3/4	816.12	3/4	456.89	3/4	97.66	3/4		3/4		3/4	
1	2,245.57	1	1,886.34	1	1,527.10	1	1,167.87	1	808.64	1	449.41	1	90.18	1		1		1	
1/4	2,238.08	1/4	1,878.85	1/4	1,519.62	1/4	1,160.39	1/4	801.15	1/4	441.92	1/4	82.69	1/4		1/4		1/4	
1/2	2,230.60	1/2	1,871.37	1/2	1,512.13	1/2	1,152.90	1/2	793.67	1/2	434.44	1/2	75.21	1/2		1/2		1/2	
3/4	2,223.11	3/4	1,863.88	3/4	1,504.65	3/4	1,145.42	3/4	786.18	3/4	426.95	3/4	67.72	3/4		3/4		3/4	
2	2,215.63	2	1,856.40	2	1,497.17	2	1,137.94	2	778.70	2	419.47	2	60.24	2		2		2	
1/4	2,208.15	1/4	1,848.91	1/4	1,489.68	1/4	1,130.45	1/4	771.22	1/4	411.99	1/4	53.68	1/4		1/4		1/4	
1/2	2,200.66	1/2	1,841.43	1/2	1,482.20	1/2	1,122.97	1/2	763.73	1/2	404.50	1/2	47.12	1/2		1/2		1/2	
3/4	2,193.18	3/4	1,833.94	3/4	1,474.71	3/4	1,115.48	3/4	756.25	3/4	397.02	3/4	40.57	3/4		3/4		3/4	
3	2,185.70	3	1,826.46	3	1,467.23	3	1,108.00	3	748.77	3	389.54	3	34.01	3		3		3	
1/4	2,178.21	1/4	1,818.98	1/4	1,459.75	1/4	1,100.51	1/4	741.28	1/4	382.05	1/4	29.32	1/4		1/4		1/4	
1/2	2,170.73	1/2	1,811.49	1/2	1,452.26	1/2	1,093.03	1/2	733.80	1/2	374.57	1/2	24.64	1/2		1/2		1/2	
3/4	2,163.24	3/4	1,804.01	3/4	1,444.78	3/4	1,085.54	3/4	726.31	3/4	367.08	3/4	19.95	3/4		3/4		3/4	
4	2,155.76	4	1,796.53	4	1,437.30	4	1,078.06	4	718.83	4	359.60	4	15.27	4		4		4	
1/4	2,148.27	1/4	1,789.04	1/4	1,429.81	1/4	1,070.58	1/4	711.35	1/4	352.11	1/4		1/4		1/4		1/4	
1/2	2,140.79	1/2	1,781.56	1/2	1,422.33	1/2	1,063.09	1/2	703.86	1/2	344.63	1/2		1/2		1/2		1/2	
3/4	2,133.30	3/4	1,774.07	3/4	1,414.84	3/4	1,055.61	3/4	696.38	3/4	337.14	3/4		3/4		3/4		3/4	
5	2,125.82	5	1,766.59	5	1,407.36	5	1,048.13	5	688.90	5	329.66	5		5		5		5	
1/4	2,118.34	1/4	1,759.11	1/4	1,399.87	1/4	1,040.64	1/4	681.41	1/4	322.18	1/4		1/4		1/4		1/4	
1/2	2,110.85	1/2	1,751.62	1/2	1,392.39	1/2	1,033.16	1/2	673.93	1/2	314.69	1/2		1/2		1/2		1/2	
3/4	2,103.37	3/4	1,744.14	3/4	1,384.90	3/4	1,025.67	3/4	666.44	3/4	307.21	3/4		3/4		3/4		3/4	
6	2,095.89	6	1,736.66	6	1,377.42	6	1,018.19	6	658.96	6	299.73	6		6		6		6	
1/4	2,088.40	1/4	1,729.17	1/4	1,369.94	1/4	1,010.71	1/4	651.47	1/4	292.24	1/4		1/4		1/4		1/4	
1/2	2,080.92	1/2	1,721.69	1/2	1,362.45	1/2	1,003.22	1/2	643.99	1/2	284.76	1/2		1/2		1/2		1/2	
3/4	2,073.43	3/4	1,714.20	3/4	1,354.97	3/4	995.74	3/4	636.50	3/4	277.27	3/4		3/4		3/4		3/4	
7	2,065.95	7	1,706.72	7	1,347.49	7	988.26	7	629.02	7	269.79	7		7		7		7	
1/4	2,058.47	1/4	1,699.23	1/4	1,340.00	1/4	980.77	1/4	621.54	1/4	262.31	1/4		1/4		1/4		1/4	
1/2	2,050.98	1/2	1,691.75	1/2	1,332.52	1/2	973.29	1/2	614.05	1/2	254.82	1/2		1/2		1/2		1/2	
3/4	2,043.50	3/4	1,684.26	3/4	1,325.03	3/4	965.80	3/4	606.57	3/4	247.34	3/4		3/4		3/4		3/4	
8	2,036.02	8	1,676.78	8	1,317.55	8	958.32	8	599.09	8	239.86	8		8		8		8	
1/4	2,028.53	1/4	1,669.30	1/4	1,310.07	1/4	950.83	1/4	591.60	1/4	232.37	1/4		1/4		1/4		1/4	
1/2	2,021.05	1/2	1,661.81	1/2	1,302.58	1/2	943.35	1/2	584.12	1/2	224.89	1/2		1/2		1/2		1/2	
3/4	2,013.56	3/4	1,654.33	3/4	1,295.10	3/4	935.86	3/4	576.63	3/4	217.40	3/4		3/4		3/4		3/4	
9	2,006.08	9	1,646.85	9	1,287.62	9	928.38	9	569.15	9	209.92	9		9		9		9	
1/4	1,998.59	1/4	1,639.36	1/4	1,280.13	1/4	920.90	1/4	561.67	1/4	202.43	1/4		1/4		1/4		1/4	
1/2	1,991.11	1/2	1,631.88	1/2	1,272.65	1/2	913.41	1/2	554.18	1/2	194.95	1/2		1/2		1/2		1/2	
3/4	1,983.62	3/4	1,624.39	3/4	1,265.16	3/4	905.93	3/4	546.70	3/4	187.46	3/4		3/4		3/4		3/4	
10	1,976.14	10	1,616.91	10	1,257.68	10	898.45	10	898.45	10	179.98	10		10		10		10	
1/4	1,893.66	1/4	1,609.43	1/4	1,250.19	1/4	890.96	1/4	531.73	1/4	172.50	1/4		1/4		1/4		1/4	
1/2	1,811.17	1/2	1,601.94	1/2	1,242.71	1/2	883.48	1/2	524.25	1/2	165.01	1/2		1/2		1/2		1/2	
3/4	1,728.69	3/4	1,594.46	3/4	1,235.22	3/4	875.99	3/4	516.76	3/4	157.53	3/4		3/4		3/4		3/4	
11	1,646.21	11	1,586.98	11	1,227.74	11	868.51	11	509.28	11	150.05	11		11		11		11	
1/4	1,713.72	1/4	1,579.49	1/4	1,220.26	1/4	861.03	1/4	501.79	1/4	142.56	1/4		1/4		1/4		1/4	
1/2	1,781.24	1/2	1,572.01	1/2	1,212.77	1/2	853.54	1/2	494.31	1/2	135.08	1/2		1/2		1/2		1/2	
3/4	1,848.75	3/4	1,564.52	3/4	1,205.29	3/4	846.06	3/4	486.82	3/4	127.59	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/08/2011 INSP
RECALCULATED: 09/09/2021 PMA
NAME CHANGE: 09/09/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2021

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



BARGE "KIRBY 29150"

3 PORT ULLAGE TABLE

MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30029"

GAUGE HEIGHT 16'-04 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,497.38	0	4,298.87	0	4,078.55	0	3,858.23	0	3,637.91	0	3,365.85	0	3,007.53	0	2,649.21
1/4		1/4		1/4	4,495.47	1/4	4,294.28	1/4	4,073.96	1/4	3,853.64	1/4	3,633.32	1/4	3,358.39	1/4	3,000.07	1/4	2,641.75
1/2		1/2		1/2	4,493.55	1/2	4,289.69	1/2	4,069.37	1/2	3,849.05	1/2	3,628.73	1/2	3,350.92	1/2	2,992.60	1/2	2,634.28
3/4		3/4		3/4	4,491.64	3/4	4,285.10	3/4	4,064.78	3/4	3,844.46	3/4	3,624.14	3/4	3,343.46	3/4	2,985.14	3/4	2,626.82
1		1		1	4,488.97	1	4,280.51	1	4,060.19	1	3,839.87	1	3,619.55	1	3,335.99	1	2,977.67	1	2,619.35
1/4		1/4		1/4	4,486.29	1/4	4,275.92	1/4	4,055.60	1/4	3,835.28	1/4	3,614.96	1/4	3,328.53	1/4	2,970.21	1/4	2,611.89
1/2		1/2		1/2	4,483.62	1/2	4,271.33	1/2	4,051.01	1/2	3,830.69	1/2	3,610.37	1/2	3,321.06	1/2	2,962.74	1/2	2,604.42
3/4		3/4		3/4	4,480.94	3/4	4,266.74	3/4	4,046.42	3/4	3,826.10	3/4	3,605.78	3/4	3,313.60	3/4	2,955.28	3/4	2,596.96
2		2		2	4,477.50	2	4,262.15	2	4,041.83	2	3,821.51	2	3,601.19	2	3,306.13	2	2,947.81	2	2,589.49
1/4		1/4		1/4	4,474.06	1/4	4,257.56	1/4	4,037.24	1/4	3,816.92	1/4	3,596.60	1/4	3,298.67	1/4	2,940.35	1/4	2,582.03
1/2		1/2		1/2	4,470.61	1/2	4,252.97	1/2	4,032.65	1/2	3,812.33	1/2	3,592.01	1/2	3,291.20	1/2	2,932.88	1/2	2,574.56
3/4		3/4		3/4	4,467.17	3/4	4,248.38	3/4	4,028.06	3/4	3,807.74	3/4	3,587.42	3/4	3,283.74	3/4	2,925.42	3/4	2,567.10
3		3		3	4,462.96	3	4,243.79	3	4,023.47	3	3,803.15	3	3,582.83	3	3,276.27	3	2,917.95	3	2,559.63
1/4		1/4		1/4	4,458.76	1/4	4,239.20	1/4	4,018.88	1/4	3,798.56	1/4	3,578.24	1/4	3,268.81	1/4	2,910.49	1/4	2,552.17
1/2		1/2		1/2	4,454.55	1/2	4,234.61	1/2	4,014.29	1/2	3,793.97	1/2	3,573.65	1/2	3,261.34	1/2	2,903.02	1/2	2,544.70
3/4		3/4		3/4	4,450.34	3/4	4,230.02	3/4	4,009.70	3/4	3,789.38	3/4	3,569.06	3/4	3,253.88	3/4	2,895.56	3/4	2,537.24
4		4		4	4,445.75	4	4,225.43	4	4,005.11	4	3,784.79	4	3,564.41	4	3,246.41	4	2,888.09	4	2,529.77
1/4		1/4		1/4	4,441.16	1/4	4,220.84	1/4	4,000.52	1/4	3,780.20	1/4	3,559.77	1/4	3,238.95	1/4	2,880.63	1/4	2,522.31
1/2		1/2		1/2	4,436.57	1/2	4,216.25	1/2	3,995.93	1/2	3,775.61	1/2	3,555.12	1/2	3,231.48	1/2	2,873.16	1/2	2,514.84
3/4		3/4		3/4	4,431.98	3/4	4,211.66	3/4	3,991.34	3/4	3,771.02	3/4	3,550.48	3/4	3,224.02	3/4	2,865.70	3/4	2,507.38
5		5		5	4,427.39	5	4,207.07	5	3,986.75	5	3,766.43	5	3,545.45	5	3,216.55	5	2,858.23	5	2,499.91
1/4		1/4		1/4	4,422.80	1/4	4,202.48	1/4	3,982.16	1/4	3,761.84	1/4	3,540.41	1/4	3,209.09	1/4	2,850.77	1/4	2,492.45
1/2		1/2		1/2	4,418.21	1/2	4,197.89	1/2	3,977.57	1/2	3,757.25	1/2	3,535.38	1/2	3,201.62	1/2	2,843.30	1/2	2,484.98
3/4		3/4		3/4	4,413.62	3/4	4,193.30	3/4	3,972.98	3/4	3,752.66	3/4	3,530.35	3/4	3,194.16	3/4	2,835.84	3/4	2,477.52
6		6		6	4,409.03	6	4,188.71	6	3,968.39	6	3,748.07	6	3,524.88	6	3,186.69	6	2,828.37	6	2,470.05
1/4		1/4		1/4	4,404.44	1/4	4,184.12	1/4	3,963.80	1/4	3,743.48	1/4	3,519.40	1/4	3,179.23	1/4	2,820.91	1/4	2,462.59
1/2		1/2		1/2	4,399.85	1/2	4,179.53	1/2	3,959.21	1/2	3,738.89	1/2	3,513.93	1/2	3,171.76	1/2	2,813.44	1/2	2,455.12
3/4		3/4		3/4	4,395.26	3/4	4,174.94	3/4	3,954.62	3/4	3,734.30	3/4	3,508.46	3/4	3,164.30	3/4	2,805.98	3/4	2,447.66
7		7		7	4,390.67	7	4,170.35	7	3,950.03	7	3,729.71	7	3,502.54	7	3,156.83	7	2,798.51	7	2,440.19
1/4		1/4		1/4	4,386.08	1/4	4,165.76	1/4	3,945.44	1/4	3,725.12	1/4	3,496.62	1/4	3,149.37	1/4	2,791.05	1/4	2,432.73
1/2		1/2		1/2	4,381.49	1/2	4,161.17	1/2	3,940.85	1/2	3,720.53	1/2	3,490.71	1/2	3,141.90	1/2	2,783.58	1/2	2,425.26
3/4		3/4		3/4	4,376.90	3/4	4,156.58	3/4	3,936.26	3/4	3,715.94	3/4	3,484.79	3/4	3,134.44	3/4	2,776.12	3/4	2,417.80
8		8		8	4,372.31	8	4,151.99	8	3,931.67	8	3,711.35	8	3,478.43	8	3,126.97	8	2,768.65	8	2,410.33
1/4		1/4		1/4	4,367.72	1/4	4,147.40	1/4	3,927.08	1/4	3,706.76	1/4	3,472.07	1/4	3,119.51	1/4	2,761.19	1/4	2,402.87
1/2		1/2		1/2	4,363.13	1/2	4,142.81	1/2	3,922.49	1/2	3,702.17	1/2	3,465.72	1/2	3,112.04	1/2	2,753.72	1/2	2,395.40
3/4		3/4		3/4	4,358.54	3/4	4,138.22	3/4	3,917.90	3/4	3,697.58	3/4	3,459.36	3/4	3,104.58	3/4	2,746.26	3/4	2,387.94
9		9		9	4,353.95	9	4,133.63	9	3,913.31	9	3,692.99	9	3,452.56	9	3,097.11	9	2,738.79	9	2,380.47
1/4		1/4		1/4	4,349.36	1/4	4,129.04	1/4	3,908.72	1/4	3,688.40	1/4	3,445.75	1/4	3,089.65	1/4	2,731.33	1/4	2,373.01
1/2		1/2		1/2	4,344.77	1/2	4,124.45	1/2	3,904.13	1/2	3,683.81	1/2	3,438.95	1/2	3,082.18	1/2	2,723.86	1/2	2,365.54
3/4		3/4		3/4	4,505.41	3/4	4,340.18	3/4	4,119.86	3/4	3,899.54	3/4	3,679.22	3/4	3,432.15	3/4	3,074.72	3/4	2,716.40
10		10		10	4,335.59	10	4,115.27	10	3,894.95	10	3,674.63	10	3,424.91	10	3,067.25	10	2,708.93	10	2,350.61
1/4		1/4		1/4	4,504.65	1/4	4,331.00	1/4	4,110.68	1/4	3,890.36	1/4	3,670.04	1/4	3,417.66	1/4	3,059.79	1/4	2,701.47
1/2		1/2		1/2	4,504.26	1/2	4,326.41	1/2	4,106.09	1/2	3,885.77	1/2	3,665.45	1/2	3,410.42	1/2	3,052.32	1/2	2,694.00
3/4		3/4		3/4	4,503.88	3/4	4,321.82	3/4	4,101.50	3/4	3,881.18	3/4	3,660.86	3/4	3,403.18	3/4	3,044.86	3/4	2,686.54
11		11		11	4,502.73	11	4,317.23	11	4,096.91	11	3,876.59	11	3,656.27	11	3,395.71	11	3,037.39	11	2,679.07
1/4		1/4		1/4	4,501.59	1/4	4,312.64	1/4	4,092.32	1/4	3,872.00	1/4	3,651.68	1/4	3,388.25	1/4	3,029.93	1/4	2,671.61
1/2		1/2		1/2	4,500.44	1/2	4,308.05	1/2	4,087.73	1/2	3,867.41	1/2	3,647.09	1/2	3,380.78	1/2	3,022.46	1/2	2,664.14
3/4		3/4		3/4	4,499.29	3/4	4,303.46	3/4	4,083.14	3/4	3,862.82	3/4	3,642.50	3/4	3,373.32	3/4	3,015.00	3/4	2,656.68

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 THREADS ON "MMC" 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 29150"

3 PORT ULLAGE TABLE MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30029"

GAUGE HEIGHT 16'-04 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,290.89	0	1,932.57	0	1,574.25	0	1,216.37	0	858.64	0	500.37	0	142.09	0		0		0	
1/4	2,283.43	1/4	1,925.11	1/4	1,566.79	1/4	1,208.93	1/4	851.17	1/4	492.90	1/4	134.63	1/4	1/4	1/4		1/4	1/4
1/2	2,275.96	1/2	1,917.64	1/2	1,559.32	1/2	1,201.48	1/2	843.71	1/2	485.44	1/2	127.16	1/2	1/2	1/2		1/2	1/2
3/4	2,268.50	3/4	1,910.18	3/4	1,551.86	3/4	1,194.04	3/4	836.25	3/4	477.98	3/4	119.70	3/4	3/4	3/4		3/4	3/4
1	2,261.03	1	1,902.71	1	1,544.39	1	1,186.59	1	828.78	1	470.51	1	112.24	1	1	1		1	1
1/4	2,253.57	1/4	1,895.25	1/4	1,536.93	1/4	1,179.15	1/4	821.32	1/4	463.05	1/4	104.77	1/4	1/4	1/4		1/4	1/4
1/2	2,246.10	1/2	1,887.78	1/2	1,529.46	1/2	1,171.70	1/2	813.85	1/2	455.58	1/2	97.31	1/2	1/2	1/2		1/2	1/2
3/4	2,238.64	3/4	1,880.32	3/4	1,522.00	3/4	1,164.26	3/4	806.39	3/4	448.12	3/4	89.85	3/4	3/4	3/4		3/4	3/4
2	2,231.17	2	1,872.85	2	1,514.53	2	1,156.82	2	798.93	2	440.65	2	82.38	2	2	2		2	2
1/4	2,223.71	1/4	1,865.39	1/4	1,507.07	1/4	1,149.37	1/4	791.46	1/4	433.19	1/4	74.92	1/4	1/4	1/4		1/4	1/4
1/2	2,216.24	1/2	1,857.92	1/2	1,499.60	1/2	1,141.93	1/2	784.00	1/2	425.72	1/2	67.45	1/2	1/2	1/2		1/2	1/2
3/4	2,208.78	3/4	1,850.46	3/4	1,492.14	3/4	1,134.49	3/4	776.54	3/4	418.26	3/4	59.99	3/4	3/4	3/4		3/4	3/4
3	2,201.31	3	1,842.99	3	1,484.67	3	1,127.04	3	769.07	3	410.80	3	53.46	3	3	3		3	3
1/4	2,193.85	1/4	1,835.53	1/4	1,477.21	1/4	1,119.60	1/4	761.61	1/4	403.33	1/4	46.93	1/4	1/4	1/4		1/4	1/4
1/2	2,186.38	1/2	1,828.06	1/2	1,469.74	1/2	1,112.15	1/2	754.14	1/2	395.87	1/2	40.40	1/2	1/2	1/2		1/2	1/2
3/4	2,178.92	3/4	1,820.60	3/4	1,462.28	3/4	1,104.71	3/4	746.68	3/4	388.41	3/4	33.87	3/4	3/4	3/4		3/4	3/4
4	2,171.45	4	1,813.13	4	1,454.81	4	1,097.27	4	739.21	4	380.94	4	29.20	4	4	4		4	4
1/4	2,163.99	1/4	1,805.67	1/4	1,447.35	1/4	1,089.82	1/4	731.75	1/4	373.48	1/4	24.54	1/4	1/4	1/4		1/4	1/4
1/2	2,156.52	1/2	1,798.20	1/2	1,439.88	1/2	1,082.38	1/2	724.28	1/2	366.01	1/2	19.87	1/2	1/2	1/2		1/2	1/2
3/4	2,149.06	3/4	1,790.74	3/4	1,432.42	3/4	1,074.94	3/4	716.82	3/4	358.55	3/4	15.21	3/4	3/4	3/4		3/4	3/4
5	2,141.59	5	1,783.27	5	1,424.95	5	1,067.49	5	709.36	5	351.09	5		5	5	5		5	5
1/4	2,134.13	1/4	1,775.81	1/4	1,417.49	1/4	1,060.05	1/4	701.89	1/4	343.62	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,126.66	1/2	1,768.34	1/2	1,410.02	1/2	1,052.60	1/2	694.43	1/2	336.16	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,119.20	3/4	1,760.88	3/4	1,402.56	3/4	1,045.16	3/4	686.97	3/4	328.70	3/4		3/4	3/4	3/4		3/4	3/4
6	2,111.73	6	1,753.41	6	1,395.09	6	1,037.71	6	679.50	6	321.23	6	6	6	6	6		6	6
1/4	2,104.27	1/4	1,745.95	1/4	1,387.63	1/4	1,030.27	1/4	672.04	1/4	313.77	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,096.80	1/2	1,738.48	1/2	1,380.16	1/2	1,022.82	1/2	664.57	1/2	306.30	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,089.34	3/4	1,731.02	3/4	1,372.70	3/4	1,015.38	3/4	657.11	3/4	298.84	3/4		3/4	3/4	3/4		3/4	3/4
7	2,081.87	7	1,723.55	7	1,365.25	7	1,007.92	7	649.65	7	291.37	7	7	7	7	7		7	7
1/4	2,074.41	1/4	1,716.09	1/4	1,357.81	1/4	1,000.45	1/4	642.18	1/4	283.91	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,066.94	1/2	1,708.62	1/2	1,350.36	1/2	992.99	1/2	634.72	1/2	276.44	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,059.48	3/4	1,701.16	3/4	1,342.92	3/4	985.53	3/4	627.26	3/4	268.98	3/4		3/4	3/4	3/4		3/4	3/4
8	2,052.01	8	1,693.69	8	1,335.47	8	978.06	8	619.79	8	261.52	8	8	8	8	8		8	8
1/4	2,044.55	1/4	1,686.23	1/4	1,328.03	1/4	970.60	1/4	612.33	1/4	254.05	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,037.08	1/2	1,678.76	1/2	1,320.58	1/2	963.13	1/2	604.86	1/2	246.59	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,029.62	3/4	1,671.30	3/4	1,313.14	3/4	955.67	3/4	597.40	3/4	239.13	3/4		3/4	3/4	3/4		3/4	3/4
9	2,022.15	9	1,663.83	9	1,305.70	9	948.21	9	589.93	9	231.66	9	9	9	9	9		9	9
1/4	2,014.69	1/4	1,656.37	1/4	1,298.25	1/4	940.74	1/4	582.47	1/4	224.20	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,007.22	1/2	1,648.90	1/2	1,290.81	1/2	933.28	1/2	575.00	1/2	216.73	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,999.76	3/4	1,641.44	3/4	1,283.37	3/4	925.82	3/4	567.54	3/4	209.27	3/4		3/4	3/4	3/4		3/4	3/4
10	1,992.29	10	1,633.97	10	1,275.92	10	918.35	10	560.08	10	201.81	10	10	10	10	10		10	10
1/4	1,984.83	1/4	1,626.51	1/4	1,268.48	1/4	910.89	1/4	552.61	1/4	194.34	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,977.36	1/2	1,619.04	1/2	1,261.03	1/2	903.42	1/2	545.15	1/2	186.88	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,969.90	3/4	1,611.58	3/4	1,253.59	3/4	895.96	3/4	537.69	3/4	179.42	3/4		3/4	3/4	3/4		3/4	3/4
11	1,962.43	11	1,604.11	11	1,246.15	11	888.49	11	530.22	11	171.95	11	11	11	11	11		11	11
1/4	1,954.97	1/4	1,596.65	1/4	1,238.70	1/4	881.03	1/4	522.76	1/4	164.49	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,947.50	1/2	1,589.18	1/2	1,231.26	1/2	873.56	1/2	515.29	1/2	157.02	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,940.04	3/4	1,581.72	3/4	1,223.82	3/4	866.10	3/4	507.83	3/4	149.56	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/08/2011 INSP
RECALCULATED: 09/09/2021 PMA
NAME CHANGE: 09/09/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2021

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



BARGE "KIRBY 29150"

3 STBD ULLAGE TABLE

MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30029"

GAUGE HEIGHT 16'-04 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,493.55	0	4,289.69	0	4,069.37	0	3,849.05	0	3,628.73	0	3,350.92	0	2,992.60	0	2,634.28
1/4		1/4		1/4	4,491.64	1/4	4,285.10	1/4	4,064.78	1/4	3,844.46	1/4	3,624.14	1/4	3,343.46	1/4	2,985.14	1/4	2,626.82
1/2		1/2		1/2	4,488.97	1/2	4,280.51	1/2	4,060.19	1/2	3,839.87	1/2	3,619.55	1/2	3,335.99	1/2	2,977.67	1/2	2,619.35
3/4		3/4		3/4	4,486.29	3/4	4,275.92	3/4	4,055.60	3/4	3,835.28	3/4	3,614.96	3/4	3,328.53	3/4	2,970.21	3/4	2,611.89
1		1		1	4,483.62	1	4,271.33	1	4,051.01	1	3,830.69	1	3,610.37	1	3,321.06	1	2,962.74	1	2,604.42
1/4		1/4		1/4	4,480.94	1/4	4,266.74	1/4	4,046.42	1/4	3,826.10	1/4	3,605.78	1/4	3,313.60	1/4	2,955.28	1/4	2,596.96
1/2		1/2		1/2	4,477.50	1/2	4,262.15	1/2	4,041.83	1/2	3,821.51	1/2	3,601.19	1/2	3,306.13	1/2	2,947.81	1/2	2,589.49
3/4		3/4		3/4	4,474.06	3/4	4,257.56	3/4	4,037.24	3/4	3,816.92	3/4	3,596.60	3/4	3,298.67	3/4	2,940.35	3/4	2,582.03
2		2		2	4,470.61	2	4,252.97	2	4,032.65	2	3,812.33	2	3,592.01	2	3,291.20	2	2,932.88	2	2,574.56
1/4		1/4		1/4	4,467.17	1/4	4,248.38	1/4	4,028.06	1/4	3,807.74	1/4	3,587.42	1/4	3,283.74	1/4	2,925.42	1/4	2,567.10
1/2		1/2		1/2	4,462.96	1/2	4,243.79	1/2	4,023.47	1/2	3,803.15	1/2	3,582.83	1/2	3,276.27	1/2	2,917.95	1/2	2,559.63
3/4		3/4		3/4	4,458.76	3/4	4,239.20	3/4	4,018.88	3/4	3,798.56	3/4	3,578.24	3/4	3,268.81	3/4	2,910.49	3/4	2,552.17
3		3		3	4,454.55	3	4,234.61	3	4,014.29	3	3,793.97	3	3,573.65	3	3,261.34	3	2,903.02	3	2,544.70
1/4		1/4		1/4	4,450.34	1/4	4,230.02	1/4	4,009.70	1/4	3,789.38	1/4	3,569.06	1/4	3,253.88	1/4	2,895.56	1/4	2,537.24
1/2		1/2		1/2	4,445.75	1/2	4,225.43	1/2	4,005.11	1/2	3,784.79	1/2	3,564.41	1/2	3,246.41	1/2	2,888.09	1/2	2,529.77
3/4		3/4		3/4	4,441.16	3/4	4,220.84	3/4	4,000.52	3/4	3,780.20	3/4	3,559.77	3/4	3,238.95	3/4	2,880.63	3/4	2,522.31
4		4		4	4,436.57	4	4,216.25	4	3,995.93	4	3,775.61	4	3,555.12	4	3,231.48	4	2,873.16	4	2,514.84
1/4		1/4		1/4	4,431.98	1/4	4,211.66	1/4	3,991.34	1/4	3,771.02	1/4	3,550.48	1/4	3,224.02	1/4	2,865.70	1/4	2,507.38
1/2		1/2		1/2	4,427.39	1/2	4,207.07	1/2	3,986.75	1/2	3,766.43	1/2	3,545.45	1/2	3,216.55	1/2	2,858.23	1/2	2,499.91
3/4		3/4		3/4	4,422.80	3/4	4,202.48	3/4	3,982.16	3/4	3,761.84	3/4	3,540.41	3/4	3,209.09	3/4	2,850.77	3/4	2,492.45
5		5		5	4,418.21	5	4,197.89	5	3,977.57	5	3,757.25	5	3,535.38	5	3,201.62	5	2,843.30	5	2,484.98
1/4		1/4		1/4	4,413.62	1/4	4,193.30	1/4	3,972.98	1/4	3,752.66	1/4	3,530.35	1/4	3,194.16	1/4	2,835.84	1/4	2,477.52
1/2		1/2		1/2	4,409.03	1/2	4,188.71	1/2	3,968.39	1/2	3,748.07	1/2	3,524.88	1/2	3,186.69	1/2	2,828.37	1/2	2,470.05
3/4		3/4		3/4	4,404.44	3/4	4,184.12	3/4	3,963.80	3/4	3,743.48	3/4	3,519.40	3/4	3,179.23	3/4	2,820.91	3/4	2,462.59
6		6		6	4,399.85	6	4,179.53	6	3,959.21	6	3,738.89	6	3,513.93	6	3,171.76	6	2,813.44	6	2,455.12
1/4		1/4		1/4	4,395.26	1/4	4,174.94	1/4	3,954.62	1/4	3,734.30	1/4	3,508.46	1/4	3,164.30	1/4	2,805.98	1/4	2,447.66
1/2		1/2		1/2	4,390.67	1/2	4,170.35	1/2	3,950.03	1/2	3,729.71	1/2	3,502.54	1/2	3,156.83	1/2	2,798.51	1/2	2,440.19
3/4		3/4		3/4	4,386.08	3/4	4,165.76	3/4	3,945.44	3/4	3,725.12	3/4	3,496.62	3/4	3,149.37	3/4	2,791.05	3/4	2,432.73
7		7		7	4,381.49	7	4,161.17	7	3,940.85	7	3,720.53	7	3,490.71	7	3,141.90	7	2,783.58	7	2,425.26
1/4		1/4		1/4	4,376.90	1/4	4,156.58	1/4	3,936.26	1/4	3,715.94	1/4	3,484.79	1/4	3,134.44	1/4	2,776.12	1/4	2,417.80
1/2		1/2		1/2	4,372.31	1/2	4,151.99	1/2	3,931.67	1/2	3,711.35	1/2	3,478.43	1/2	3,126.97	1/2	2,768.65	1/2	2,410.33
3/4		3/4		3/4	4,367.72	3/4	4,147.40	3/4	3,927.08	3/4	3,706.76	3/4	3,472.07	3/4	3,119.51	3/4	2,761.19	3/4	2,402.87
8		8		8	4,363.13	8	4,142.81	8	3,922.49	8	3,702.17	8	3,465.72	8	3,112.04	8	2,753.72	8	2,395.40
1/4		1/4		1/4	4,358.54	1/4	4,138.22	1/4	3,917.90	1/4	3,697.58	1/4	3,459.36	1/4	3,104.58	1/4	2,746.26	1/4	2,387.94
1/2		1/2		1/2	4,353.95	1/2	4,133.63	1/2	3,913.31	1/2	3,692.99	1/2	3,452.56	1/2	3,097.11	1/2	2,738.79	1/2	2,380.47
3/4		3/4		3/4	4,349.36	3/4	4,129.04	3/4	3,908.72	3/4	3,688.40	3/4	3,445.75	3/4	3,089.65	3/4	2,731.33	3/4	2,373.01
9		9		9	4,344.77	9	4,124.45	9	3,904.13	9	3,683.81	9	3,438.95	9	3,082.18	9	2,723.86	9	2,365.54
1/4		1/4	4,505.41	1/4	4,340.18	1/4	4,119.86	1/4	3,899.54	1/4	3,679.22	1/4	3,432.15	1/4	3,074.72	1/4	2,716.40	1/4	2,358.08
1/2		1/2	4,505.03	1/2	4,335.59	1/2	4,115.27	1/2	3,894.95	1/2	3,674.63	1/2	3,424.91	1/2	3,067.25	1/2	2,708.93	1/2	2,350.61
3/4		3/4	4,504.65	3/4	4,331.00	3/4	4,110.68	3/4	3,890.36	3/4	3,670.04	3/4	3,417.66	3/4	3,059.79	3/4	2,701.47	3/4	2,343.15
10		10	4,504.26	10	4,326.41	10	4,106.09	10	3,885.77	10	3,665.45	10	3,410.42	10	3,052.32	10	2,694.00	10	2,335.68
1/4		1/4	4,503.88	1/4	4,321.82	1/4	4,101.50	1/4	3,881.18	1/4	3,660.86	1/4	3,403.18	1/4	3,044.86	1/4	2,686.54	1/4	2,328.22
1/2		1/2	4,502.73	1/2	4,317.23	1/2	4,096.91	1/2	3,876.59	1/2	3,656.27	1/2	3,395.71	1/2	3,037.39	1/2	2,679.07	1/2	2,320.75
3/4		3/4	4,501.59	3/4	4,312.64	3/4	4,092.32	3/4	3,872.00	3/4	3,651.68	3/4	3,388.25	3/4	3,029.93	3/4	2,671.61	3/4	2,313.29
11		11	4,500.44	11	4,308.05	11	4,087.73	11	3,867.41	11	3,647.09	11	3,380.78	11	3,022.46	11	2,664.14	11	2,305.82
1/4		1/4	4,499.29	1/4	4,303.46	1/4	4,083.14	1/4	3,862.82	1/4	3,642.50	1/4	3,373.32	1/4	3,015.00	1/4	2,656.68	1/4	2,298.36
1/2		1/2	4,497.38	1/2	4,298.87	1/2	4,078.55	1/2	3,858.23	1/2	3,637.91	1/2	3,365.85	1/2	3,007.53	1/2	2,649.21	1/2	2,290.89
3/4		3/4	4,495.47	3/4	4,294.28	3/4	4,073.96	3/4	3,853.64	3/4	3,633.32	3/4	3,358.39	3/4	3,000.07	3/4	2,641.75	3/4	2,283.43

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 THREADS ON "MMC" 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 29150"

3 STBD ULLAGE TABLE MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30029"

GAUGE HEIGHT 16'-04 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,275.96	0	1,917.64	0	1,559.32	0	1,201.48	0	843.71	0	485.44	0	127.16	0		0		0	
1/4	2,268.50	1/4	1,910.18	1/4	1,551.86	1/4	1,194.04	1/4	836.25	1/4	477.98	1/4	119.70	1/4	1/4	1/4		1/4	1/4
1/2	2,261.03	1/2	1,902.71	1/2	1,544.39	1/2	1,186.59	1/2	828.78	1/2	470.51	1/2	112.24	1/2	1/2	1/2		1/2	1/2
3/4	2,253.57	3/4	1,895.25	3/4	1,536.93	3/4	1,179.15	3/4	821.32	3/4	463.05	3/4	104.77	3/4	3/4	3/4		3/4	3/4
1	2,246.10	1	1,887.78	1	1,529.46	1	1,171.70	1	813.85	1	455.58	1	97.31	1	1	1		1	1
1/4	2,238.64	1/4	1,880.32	1/4	1,522.00	1/4	1,164.26	1/4	806.39	1/4	448.12	1/4	89.85	1/4	1/4	1/4		1/4	1/4
1/2	2,231.17	1/2	1,872.85	1/2	1,514.53	1/2	1,156.82	1/2	798.93	1/2	440.65	1/2	82.38	1/2	1/2	1/2		1/2	1/2
3/4	2,223.71	3/4	1,865.39	3/4	1,507.07	3/4	1,149.37	3/4	791.46	3/4	433.19	3/4	74.92	3/4	3/4	3/4		3/4	3/4
2	2,216.24	2	1,857.92	2	1,499.60	2	1,141.93	2	784.00	2	425.72	2	67.45	2	2	2		2	2
1/4	2,208.78	1/4	1,850.46	1/4	1,492.14	1/4	1,134.49	1/4	776.54	1/4	418.26	1/4	59.99	1/4	1/4	1/4		1/4	1/4
1/2	2,201.31	1/2	1,842.99	1/2	1,484.67	1/2	1,127.04	1/2	769.07	1/2	410.80	1/2	53.46	1/2	1/2	1/2		1/2	1/2
3/4	2,193.85	3/4	1,835.53	3/4	1,477.21	3/4	1,119.60	3/4	761.61	3/4	403.33	3/4	46.93	3/4	3/4	3/4		3/4	3/4
3	2,186.38	3	1,828.06	3	1,469.74	3	1,112.15	3	754.14	3	395.87	3	40.40	3	3	3		3	3
1/4	2,178.92	1/4	1,820.60	1/4	1,462.28	1/4	1,104.71	1/4	746.68	1/4	388.41	1/4	33.87	1/4	1/4	1/4		1/4	1/4
1/2	2,171.45	1/2	1,813.13	1/2	1,454.81	1/2	1,097.27	1/2	739.21	1/2	380.94	1/2	29.20	1/2	1/2	1/2		1/2	1/2
3/4	2,163.99	3/4	1,805.67	3/4	1,447.35	3/4	1,089.82	3/4	731.75	3/4	373.48	3/4	24.54	3/4	3/4	3/4		3/4	3/4
4	2,156.52	4	1,798.20	4	1,439.88	4	1,082.38	4	724.28	4	366.01	4	19.87	4	4	4		4	4
1/4	2,149.06	1/4	1,790.74	1/4	1,432.42	1/4	1,074.94	1/4	716.82	1/4	358.55	1/4	15.21	1/4	1/4	1/4		1/4	1/4
1/2	2,141.59	1/2	1,783.27	1/2	1,424.95	1/2	1,067.49	1/2	709.36	1/2	351.09	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,134.13	3/4	1,775.81	3/4	1,417.49	3/4	1,060.05	3/4	701.89	3/4	343.62	3/4		3/4	3/4	3/4		3/4	3/4
5	2,126.66	5	1,768.34	5	1,410.02	5	1,052.60	5	694.43	5	336.16	5		5	5	5		5	5
1/4	2,119.20	1/4	1,760.88	1/4	1,402.56	1/4	1,045.16	1/4	686.97	1/4	328.70	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,111.73	1/2	1,753.41	1/2	1,395.09	1/2	1,037.71	1/2	679.50	1/2	321.23	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,104.27	3/4	1,745.95	3/4	1,387.63	3/4	1,030.27	3/4	672.04	3/4	313.77	3/4		3/4	3/4	3/4		3/4	3/4
6	2,096.80	6	1,738.48	6	1,380.16	6	1,022.82	6	664.57	6	306.30	6		6	6	6		6	6
1/4	2,089.34	1/4	1,731.02	1/4	1,372.70	1/4	1,015.38	1/4	657.11	1/4	298.84	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,081.87	1/2	1,723.55	1/2	1,365.25	1/2	1,007.92	1/2	649.65	1/2	291.37	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,074.41	3/4	1,716.09	3/4	1,357.81	3/4	1,000.45	3/4	642.18	3/4	283.91	3/4		3/4	3/4	3/4		3/4	3/4
7	2,066.94	7	1,708.62	7	1,350.36	7	992.99	7	634.72	7	276.44	7		7	7	7		7	7
1/4	2,059.48	1/4	1,701.16	1/4	1,342.92	1/4	985.53	1/4	627.26	1/4	268.98	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,052.01	1/2	1,693.69	1/2	1,335.47	1/2	978.06	1/2	619.79	1/2	261.52	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,044.55	3/4	1,686.23	3/4	1,328.03	3/4	970.60	3/4	612.33	3/4	254.05	3/4		3/4	3/4	3/4		3/4	3/4
8	2,037.08	8	1,678.76	8	1,320.58	8	963.13	8	604.86	8	246.59	8		8	8	8		8	8
1/4	2,029.62	1/4	1,671.30	1/4	1,313.14	1/4	955.67	1/4	597.40	1/4	239.13	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,022.15	1/2	1,663.83	1/2	1,305.70	1/2	948.21	1/2	589.93	1/2	231.66	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,014.69	3/4	1,656.37	3/4	1,298.25	3/4	940.74	3/4	582.47	3/4	224.20	3/4		3/4	3/4	3/4		3/4	3/4
9	2,007.22	9	1,648.90	9	1,290.81	9	933.28	9	575.00	9	216.73	9		9	9	9		9	9
1/4	1,999.76	1/4	1,641.44	1/4	1,283.37	1/4	925.82	1/4	567.54	1/4	209.27	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,992.29	1/2	1,633.97	1/2	1,275.92	1/2	918.35	1/2	560.08	1/2	201.81	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,984.83	3/4	1,626.51	3/4	1,268.48	3/4	910.89	3/4	552.61	3/4	194.34	3/4		3/4	3/4	3/4		3/4	3/4
10	1,977.36	10	1,619.04	10	1,261.03	10	903.42	10	545.15	10	186.88	10		10	10	10		10	10
1/4	1,969.90	1/4	1,611.58	1/4	1,253.59	1/4	895.96	1/4	537.69	1/4	179.42	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,962.43	1/2	1,604.11	1/2	1,246.15	1/2	888.49	1/2	530.22	1/2	171.95	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,954.97	3/4	1,596.65	3/4	1,238.70	3/4	881.03	3/4	522.76	3/4	164.49	3/4		3/4	3/4	3/4		3/4	3/4
11	1,947.50	11	1,589.18	11	1,231.26	11	873.56	11	515.29	11	157.02	11		11	11	11		11	11
1/4	1,940.04	1/4	1,581.72	1/4	1,223.82	1/4	866.10	1/4	507.83	1/4	149.56	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,932.57	1/2	1,574.25	1/2	1,216.37	1/2	858.64	1/2	500.37	1/2	142.09	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,925.11	3/4	1,566.79	3/4	1,208.93	3/4	851.17	3/4	492.90	3/4	134.63	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/08/2011 INSP
RECALCULATED: 09/09/2021 PMA
NAME CHANGE: 09/09/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2021

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



BARGE "KIRBY 29150"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT: 4'-03 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	101	0	259	0	416	0	517	0		0		0		0		0	
1/4	1	1/4	104	1/4	262	1/4	419	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	107	1/2	265	1/2	422	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	110	3/4	269	3/4	425	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	113	1	272	1	428	1		1		1		1		1		1	
1/4	4	1/4	116	1/4	276	1/4	430	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5	1/2	119	1/2	279	1/2	433	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	6	3/4	122	3/4	282	3/4	436	3/4		3/4		3/4		3/4		3/4		3/4	
2	7	2	125	2	286	2	439	2		2		2		2		2		2	
1/4	9	1/4	129	1/4	289	1/4	442	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	10	1/2	132	1/2	293	1/2	444	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	135	3/4	296	3/4	447	3/4		3/4		3/4		3/4		3/4		3/4	
3	13	3	138	3	300	3	450	3		3		3		3		3		3	
1/4	15	1/4	141	1/4	303	1/4	453	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	17	1/2	144	1/2	306	1/2	455	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	19	3/4	148	3/4	310	3/4	458	3/4		3/4		3/4		3/4		3/4		3/4	
4	21	4	151	4	313	4	460	4		4		4		4		4		4	
1/4	23	1/4	154	1/4	316	1/4	463	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	25	1/2	157	1/2	320	1/2	465	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	27	3/4	161	3/4	323	3/4	468	3/4		3/4		3/4		3/4		3/4		3/4	
5	29	5	164	5	327	5	470	5		5		5		5		5		5	
1/4	31	1/4	167	1/4	330	1/4	473	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	33	1/2	170	1/2	333	1/2	475	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	35	3/4	174	3/4	337	3/4	477	3/4		3/4		3/4		3/4		3/4		3/4	
6	37	6	177	6	340	6	480	6		6		6		6		6		6	
1/4	40	1/4	180	1/4	343	1/4	482	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	42	1/2	184	1/2	347	1/2	484	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	44	3/4	187	3/4	350	3/4	486	3/4		3/4		3/4		3/4		3/4		3/4	
7	47	7	190	7	353	7	488	7		7		7		7		7		7	
1/4	49	1/4	194	1/4	356	1/4	490	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	52	1/2	197	1/2	360	1/2	492	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	54	3/4	201	3/4	363	3/4	494	3/4		3/4		3/4		3/4		3/4		3/4	
8	57	8	204	8	366	8	496	8		8		8		8		8		8	
1/4	59	1/4	207	1/4	369	1/4	498	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	62	1/2	211	1/2	373	1/2	500	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	64	3/4	214	3/4	376	3/4	502	3/4		3/4		3/4		3/4		3/4		3/4	
9	67	9	217	9	379	9	504	9		9		9		9		9		9	
1/4	70	1/4	221	1/4	382	1/4	505	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	73	1/2	224	1/2	385	1/2	507	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	75	3/4	228	3/4	388	3/4	508	3/4		3/4		3/4		3/4		3/4		3/4	
10	78	10	231	10	392	10	510	10		10		10		10		10		10	
1/4	81	1/4	235	1/4	395	1/4	511	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	84	1/2	238	1/2	398	1/2	512	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	87	3/4	241	3/4	401	3/4	513	3/4		3/4		3/4		3/4		3/4		3/4	
11	89	11	245	11	404	11	514	11		11		11		11		11		11	
1/4	92	1/4	248	1/4	407	1/4	515	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	95	1/2	252	1/2	410	1/2	516	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	98	3/4	255	3/4	413	3/4	516	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 AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.

STRAPPED: 08/24/2021 JS
CALCULATED: 08/24/2021 CL
PRINTED: 08/24/2021 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2021

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "KIRBY 29150"

SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT: 6'-04"

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	430	0	1,014	0	1,630	0	2,191	0		0							
1/4	5	1/4	442	1/4	1,027	1/4	1,642	1/4	2,202	1/4		1/4		1/4		1/4		1/4	
1/2	11	1/2	453	1/2	1,040	1/2	1,655	1/2	2,212	1/2		1/2		1/2		1/2		1/2	
3/4	16	3/4	464	3/4	1,053	3/4	1,667	3/4	2,222	3/4		3/4		3/4		3/4		3/4	
1	21	1	475	1	1,065	1	1,680	1	2,232	1		1		1		1		1	
1/4	28	1/4	487	1/4	1,078	1/4	1,692	1/4	2,242	1/4		1/4		1/4		1/4		1/4	
1/2	35	1/2	498	1/2	1,091	1/2	1,705	1/2	2,252	1/2		1/2		1/2		1/2		1/2	
3/4	41	3/4	510	3/4	1,104	3/4	1,717	3/4	2,262	3/4		3/4		3/4		3/4		3/4	
2	48	2	522	2	1,117	2	1,729	2	2,272	2		2		2		2		2	
1/4	55	1/4	533	1/4	1,130	1/4	1,742	1/4	2,282	1/4		1/4		1/4		1/4		1/4	
1/2	63	1/2	545	1/2	1,143	1/2	1,754	1/2	2,291	1/2		1/2		1/2		1/2		1/2	
3/4	70	3/4	557	3/4	1,156	3/4	1,766	3/4	2,301	3/4		3/4		3/4		3/4		3/4	
3	78	3	568	3	1,168	3	1,779	3	2,310	3		3		3		3		3	
1/4	86	1/4	580	1/4	1,181	1/4	1,791	1/4	2,319	1/4		1/4		1/4		1/4		1/4	
1/2	94	1/2	592	1/2	1,194	1/2	1,803	1/2	2,328	1/2		1/2		1/2		1/2		1/2	
3/4	102	3/4	604	3/4	1,207	3/4	1,815	3/4	2,338	3/4		3/4		3/4		3/4		3/4	
4	110	4	616	4	1,220	4	1,827	4	2,347	4		4		4		4		4	
1/4	119	1/4	628	1/4	1,233	1/4	1,839	1/4	2,355	1/4		1/4		1/4		1/4		1/4	
1/2	128	1/2	640	1/2	1,246	1/2	1,852	1/2	2,364	1/2		1/2		1/2		1/2		1/2	
3/4	136	3/4	652	3/4	1,259	3/4	1,864	3/4	2,373	3/4		3/4		3/4		3/4		3/4	
5	145	5	664	5	1,272	5	1,876	5	2,381	5		5		5		5		5	
1/4	154	1/4	676	1/4	1,284	1/4	1,887	1/4	2,390	1/4		1/4		1/4		1/4		1/4	
1/2	163	1/2	689	1/2	1,297	1/2	1,899	1/2	2,398	1/2		1/2		1/2		1/2		1/2	
3/4	172	3/4	701	3/4	1,310	3/4	1,911	3/4	2,406	3/4		3/4		3/4		3/4		3/4	
6	181	6	713	6	1,323	6	1,923	6	2,414	6		6		6		6		6	
1/4	191	1/4	725	1/4	1,336	1/4	1,935	1/4	2,421	1/4		1/4		1/4		1/4		1/4	
1/2	200	1/2	738	1/2	1,349	1/2	1,947	1/2	2,429	1/2		1/2		1/2		1/2		1/2	
3/4	210	3/4	750	3/4	1,362	3/4	1,958	3/4	2,436	3/4		3/4		3/4		3/4		3/4	
7	220	7	762	7	1,375	7	1,970	7	2,444	7		7		7		7		7	
1/4	229	1/4	775	1/4	1,388	1/4	1,982	1/4	2,450	1/4		1/4		1/4		1/4		1/4	
1/2	239	1/2	787	1/2	1,400	1/2	1,993	1/2	2,457	1/2		1/2		1/2		1/2		1/2	
3/4	249	3/4	799	3/4	1,413	3/4	2,005	3/4	2,464	3/4		3/4		3/4		3/4		3/4	
8	259	8	812	8	1,426	8	2,016	8	2,470	8		8		8		8		8	
1/4	270	1/4	824	1/4	1,439	1/4	2,027	1/4	2,476	1/4		1/4		1/4		1/4		1/4	
1/2	280	1/2	837	1/2	1,452	1/2	2,039	1/2	2,481	1/2		1/2		1/2		1/2		1/2	
3/4	290	3/4	849	3/4	1,464	3/4	2,050	3/4	2,486	3/4		3/4		3/4		3/4		3/4	
9	300	9	862	9	1,477	9	2,061	9	2,492	9		9		9		9		9	
1/4	311	1/4	875	1/4	1,490	1/4	2,072	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	321	1/2	887	1/2	1,503	1/2	2,084	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	332	3/4	900	3/4	1,516	3/4	2,095	3/4		3/4		3/4		3/4		3/4		3/4	
10	343	10	912	10	1,528	10	2,106	10		10		10		10		10		10	
1/4	353	1/4	925	1/4	1,541	1/4	2,117	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	364	1/2	938	1/2	1,554	1/2	2,127	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	375	3/4	951	3/4	1,566	3/4	2,138	3/4		3/4		3/4		3/4		3/4		3/4	
11	386	11	963	11	1,579	11	2,149	11		11		11		11		11		11	
1/4	397	1/4	976	1/4	1,592	1/4	2,160	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	408	1/2	989	1/2	1,604	1/2	2,170	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	419	3/4	1,002	3/4	1,617	3/4	2,181	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 AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.

STRAPPED: 08/24/2021 JS
CALCULATED: 08/24/2021 CL
PRINTED: 08/24/2021 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2021

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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