



BARGE "KIRBY 29165"

ULLAGE TRIM TABLE

FORMERLY "SMS 30048"

	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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4
1 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4
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	00-1/8	- 00-1/8
3 PORT	- 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	- 00-1/4	00-1/4
3 STBD	- 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	- 00-1/4	00-1/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 235'-09"

August 7, 2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29165"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30048"

GAUGE HEIGHT 17'-03 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0	4,697.40	0	4,340.40	0	3,982.17	0	3,623.88	0	3,265.60	0	2,907.31		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,690.00	1/4	4,332.96	1/4	3,974.70	1/4	3,616.42	1/4	3,258.14	1/4	2,899.84		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,018.03	1/2	4,682.59	1/2	4,325.50	1/2	3,967.24	1/2	3,608.96	1/2	3,250.67	1/2	2,892.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,013.56	3/4	4,675.19	3/4	4,318.04	3/4	3,959.77	3/4	3,601.49	3/4	3,243.21	3/4	2,884.91
1		1		1		1		1	5,009.08	1	4,667.79	1	4,310.58	1	3,952.31	1	3,594.03	1	3,235.75	1	2,877.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,004.61	1/4	4,660.39	1/4	4,303.13	1/4	3,944.85	1/4	3,586.56	1/4	3,228.28	1/4	2,869.97
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,999.07	1/2	4,652.95	1/2	4,295.66	1/2	3,937.38	1/2	3,579.10	1/2	3,220.82	1/2	2,862.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,993.53	3/4	4,645.52	3/4	4,288.20	3/4	3,929.92	3/4	3,571.64	3/4	3,213.35	3/4	2,855.04
2		2		2		2		2	4,987.99	2	4,638.09	2	4,280.73	2	3,922.45	2	3,564.17	2	3,205.89	2	2,847.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,982.45	1/4	4,630.66	1/4	4,273.27	1/4	3,914.99	1/4	3,556.71	1/4	3,198.43	1/4	2,840.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,975.85	1/2	4,623.22	1/2	4,265.81	1/2	3,907.52	1/2	3,549.24	1/2	3,190.96	1/2	2,832.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,969.24	3/4	4,615.77	3/4	4,258.34	3/4	3,900.06	3/4	3,541.78	3/4	3,183.50	3/4	2,825.16
3		3		3		3		3	4,962.64	3	4,608.33	3	4,250.88	3	3,892.60	3	3,534.31	3	3,176.03	3	2,817.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,956.03	1/4	4,600.89	1/4	4,243.41	1/4	3,885.13	1/4	3,526.85	1/4	3,168.57	1/4	2,810.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,948.76	1/2	4,593.45	1/2	4,235.95	1/2	3,877.67	1/2	3,519.39	1/2	3,161.10	1/2	2,802.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,941.48	3/4	4,586.00	3/4	4,228.48	3/4	3,870.20	3/4	3,511.92	3/4	3,153.64	3/4	2,795.29
4		4		4		4		4	4,934.21	4	4,578.56	4	4,221.02	4	3,862.74	4	3,504.46	4	3,146.18	4	2,787.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,926.94	1/4	4,571.12	1/4	4,213.56	1/4	3,855.27	1/4	3,496.99	1/4	3,138.71	1/4	2,780.35
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,919.53	1/2	4,563.68	1/2	4,206.09	1/2	3,847.81	1/2	3,489.53	1/2	3,131.25	1/2	2,772.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,912.12	3/4	4,556.23	3/4	4,198.63	3/4	3,840.35	3/4	3,482.06	3/4	3,123.78	3/4	2,765.42
5		5		5		5		5	4,904.72	5	4,548.79	5	4,191.16	5	3,832.88	5	3,474.60	5	3,116.32	5	2,757.95
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,897.31	1/4	4,541.35	1/4	4,183.70	1/4	3,825.42	1/4	3,467.14	1/4	3,108.85	1/4	2,750.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,889.90	1/2	4,533.91	1/2	4,176.24	1/2	3,817.95	1/2	3,459.67	1/2	3,101.39	1/2	2,743.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,882.50	3/4	4,526.46	3/4	4,168.77	3/4	3,810.49	3/4	3,452.21	3/4	3,093.93	3/4	2,735.54
6		6		6		6		6	4,875.09	6	4,519.02	6	4,161.31	6	3,803.03	6	3,444.74	6	3,086.46	6	2,728.08
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,867.68	1/4	4,511.58	1/4	4,153.84	1/4	3,795.56	1/4	3,437.28	1/4	3,079.00	1/4	2,720.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,860.28	1/2	4,504.14	1/2	4,146.38	1/2	3,788.10	1/2	3,429.82	1/2	3,071.53	1/2	2,713.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,852.87	3/4	4,496.69	3/4	4,138.91	3/4	3,780.63	3/4	3,422.35	3/4	3,064.07	3/4	2,705.67
7		7		7		7		7	4,845.46	7	4,489.25	7	4,131.45	7	3,773.17	7	3,414.89	7	3,056.61	7	2,698.20
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,838.06	1/4	4,481.81	1/4	4,123.99	1/4	3,765.70	1/4	3,407.42	1/4	3,049.14	1/4	2,690.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,830.65	1/2	4,474.37	1/2	4,116.52	1/2	3,758.24	1/2	3,399.96	1/2	3,041.68	1/2	2,683.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,823.25	3/4	4,466.92	3/4	4,109.06	3/4	3,750.78	3/4	3,392.49	3/4	3,034.21	3/4	2,675.80
8		8		8		8		8	4,815.84	8	4,459.48	8	4,101.59	8	3,743.31	8	3,385.03	8	3,026.75	8	2,668.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,808.44	1/4	4,452.04	1/4	4,094.13	1/4	3,735.85	1/4	3,377.57	1/4	3,019.28	1/4	2,660.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,801.04	1/2	4,444.60	1/2	4,086.66	1/2	3,728.38	1/2	3,370.10	1/2	3,011.82	1/2	2,653.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,793.64	3/4	4,437.15	3/4	4,079.20	3/4	3,720.92	3/4	3,362.64	3/4	3,004.36	3/4	2,645.93
9		9		9		9		9	4,786.23	9	4,429.71	9	4,071.74	9	3,713.46	9	3,355.17	9	2,996.89	9	2,638.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,778.83	1/4	4,422.27	1/4	4,064.27	1/4	3,705.99	1/4	3,347.71	1/4	2,989.43	1/4	2,630.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,771.43	1/2	4,414.83	1/2	4,056.81	1/2	3,698.53	1/2	3,340.25	1/2	2,981.96	1/2	2,623.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,764.02	3/4	4,407.38	3/4	4,049.34	3/4	3,691.06	3/4	3,332.78	3/4	2,974.50	3/4	2,616.05
10		10		10		10		10	4,756.62	10	4,399.94	10	4,041.88	10	3,683.60	10	3,325.32	10	2,967.04	10	2,608.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,749.22	1/4	4,392.50	1/4	4,034.42	1/4	3,676.13	1/4	3,317.85	1/4	2,959.57	1/4	2,601.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,741.82	1/2	4,385.06	1/2	4,026.95	1/2	3,668.67	1/2	3,310.39	1/2	2,952.11	1/2	2,593.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,734.41	3/4	4,377.61	3/4	4,019.49	3/4	3,661.21	3/4	3,302.92	3/4	2,944.64	3/4	2,586.18
11		11		11		11		11	4,727.01	11	4,370.17	11	4,012.02	11	3,653.74	11	3,295.46	11	2,937.18	11	2,578.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,719.61	1/4	4,362.73	1/4	4,004.56	1/4	3,646.28	1/4	3,288.00	1/4	2,929.71	1/4	2,571.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,712.21	1/2	4,355.29	1/2	3,997.09	1/2	3,638.81	1/2	3,280.53	1/2	2,922.25	1/2	2,563.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,704.80	3/4	4,347.84	3/4	3,989.63	3/4	3,631.35	3/4	3,273.07	3/4	2,914.78	3/4	2,556.31

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" 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 29165"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30048"

GAUGE HEIGHT 17'-03 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,548.84	0	2,190.37	0	1,831.89	0	1,473.42	0	1,115.01	0	758.67	0	402.45	0	84.13	0		0	
1/4	2,541.37	1/4	2,182.90	1/4	1,824.42	1/4	1,465.95	1/4	1,107.57	1/4	751.22	1/4	395.27	1/4	78.01	1/4		1/4	
1/2	2,533.90	1/2	2,175.43	1/2	1,816.96	1/2	1,458.48	1/2	1,100.13	1/2	743.75	1/2	388.17	1/2	71.97	1/2		1/2	
3/4	2,526.43	3/4	2,167.96	3/4	1,809.49	3/4	1,451.01	3/4	1,092.69	3/4	736.28	3/4	381.08	3/4	65.93	3/4		3/4	
1	2,518.97	1	2,160.49	1	1,802.02	1	1,443.55	1	1,085.25	1	728.81	1	373.98	1	59.90	1		1	
1/4	2,511.50	1/4	2,153.02	1/4	1,794.55	1/4	1,436.08	1/4	1,077.81	1/4	721.34	1/4	366.89	1/4	53.86	1/4		1/4	
1/2	2,504.03	1/2	2,145.56	1/2	1,787.08	1/2	1,428.61	1/2	1,070.38	1/2	713.88	1/2	359.88	1/2	48.61	1/2		1/2	
3/4	2,496.56	3/4	2,138.09	3/4	1,779.61	3/4	1,421.14	3/4	1,062.96	3/4	706.41	3/4	352.88	3/4	43.36	3/4		3/4	
2	2,489.09	2	2,130.62	2	1,772.15	2	1,413.67	2	1,055.53	2	698.94	2	345.87	2	38.11	2		2	
1/4	2,481.63	1/4	2,123.15	1/4	1,764.68	1/4	1,406.20	1/4	1,048.10	1/4	691.47	1/4	338.87	1/4	32.86	1/4		1/4	
1/2	2,474.16	1/2	2,115.68	1/2	1,757.21	1/2	1,398.74	1/2	1,040.67	1/2	684.01	1/2	331.95	1/2	29.34	1/2		1/2	
3/4	2,466.69	3/4	2,108.22	3/4	1,749.74	3/4	1,391.27	3/4	1,033.25	3/4	676.54	3/4	325.03	3/4	25.81	3/4		3/4	
3	2,459.22	3	2,100.75	3	1,742.27	3	1,383.80	3	1,025.82	3	669.07	3	318.11	3	22.28	3		3	
1/4	2,451.75	1/4	2,093.28	1/4	1,734.81	1/4	1,376.33	1/4	1,018.40	1/4	661.60	1/4	311.20	1/4	18.75	1/4		1/4	
1/2	2,444.28	1/2	2,085.81	1/2	1,727.34	1/2	1,368.86	1/2	1,010.98	1/2	654.13	1/2	304.37	1/2		1/2		1/2	
3/4	2,436.82	3/4	2,078.34	3/4	1,719.87	3/4	1,361.40	3/4	1,003.56	3/4	646.67	3/4	297.54	3/4		3/4		3/4	
4	2,429.35	4	2,070.87	4	1,712.40	4	1,353.93	4	996.14	4	639.20	4	290.71	4	4	4		4	
1/4	2,421.88	1/4	2,063.41	1/4	1,704.93	1/4	1,346.46	1/4	988.72	1/4	631.73	1/4	283.88	1/4		1/4		1/4	
1/2	2,414.41	1/2	2,055.94	1/2	1,697.46	1/2	1,338.99	1/2	981.31	1/2	624.26	1/2	277.14	1/2		1/2		1/2	
3/4	2,406.94	3/4	2,048.47	3/4	1,690.00	3/4	1,331.52	3/4	973.89	3/4	616.79	3/4	270.39	3/4		3/4		3/4	
5	2,399.48	5	2,041.00	5	1,682.53	5	1,324.05	5	966.47	5	609.33	5	263.65	5	5	5		5	
1/4	2,392.01	1/4	2,033.53	1/4	1,675.06	1/4	1,316.59	1/4	959.05	1/4	601.86	1/4	256.91	1/4		1/4		1/4	
1/2	2,384.54	1/2	2,026.07	1/2	1,667.59	1/2	1,309.12	1/2	951.64	1/2	594.39	1/2	250.26	1/2		1/2		1/2	
3/4	2,377.07	3/4	2,018.60	3/4	1,660.12	3/4	1,301.65	3/4	944.22	3/4	586.92	3/4	243.60	3/4		3/4		3/4	
6	2,369.60	6	2,011.13	6	1,652.66	6	1,294.18	6	936.80	6	579.45	6	236.95	6	6	6		6	
1/4	2,362.13	1/4	2,003.66	1/4	1,645.19	1/4	1,286.71	1/4	929.39	1/4	571.99	1/4	230.30	1/4		1/4		1/4	
1/2	2,354.67	1/2	1,996.19	1/2	1,637.72	1/2	1,279.25	1/2	921.97	1/2	564.52	1/2	223.73	1/2		1/2		1/2	
3/4	2,347.20	3/4	1,988.72	3/4	1,630.25	3/4	1,271.78	3/4	914.55	3/4	557.05	3/4	217.17	3/4		3/4		3/4	
7	2,339.73	7	1,981.26	7	1,622.78	7	1,264.31	7	907.13	7	549.58	7	210.60	7	7	7		7	
1/4	2,332.26	1/4	1,973.79	1/4	1,615.31	1/4	1,256.84	1/4	899.72	1/4	542.12	1/4	204.04	1/4		1/4		1/4	
1/2	2,324.79	1/2	1,966.32	1/2	1,607.85	1/2	1,249.37	1/2	892.30	1/2	534.65	1/2	197.56	1/2		1/2		1/2	
3/4	2,317.33	3/4	1,958.85	3/4	1,600.38	3/4	1,241.90	3/4	884.88	3/4	527.18	3/4	191.08	3/4		3/4		3/4	
8	2,309.86	8	1,951.38	8	1,592.91	8	1,234.44	8	877.46	8	519.71	8	184.60	8	8	8		8	
1/4	2,302.39	1/4	1,943.92	1/4	1,585.44	1/4	1,226.97	1/4	870.05	1/4	512.24	1/4	178.13	1/4		1/4		1/4	
1/2	2,294.92	1/2	1,936.45	1/2	1,577.97	1/2	1,219.50	1/2	862.63	1/2	504.81	1/2	171.74	1/2		1/2		1/2	
3/4	2,287.45	3/4	1,928.98	3/4	1,570.51	3/4	1,212.03	3/4	855.21	3/4	497.37	3/4	165.35	3/4		3/4		3/4	
9	2,279.98	9	1,921.51	9	1,563.04	9	1,204.56	9	847.80	9	489.94	9	158.96	9	9	9		9	
1/4	2,272.52	1/4	1,914.04	1/4	1,555.57	1/4	1,197.10	1/4	840.38	1/4	482.50	1/4	152.57	1/4		1/4		1/4	
1/2	2,265.05	1/2	1,906.57	1/2	1,548.10	1/2	1,189.63	1/2	832.96	1/2	475.15	1/2	146.27	1/2		1/2		1/2	
3/4	2,257.58	3/4	1,899.11	3/4	1,540.63	3/4	1,182.16	3/4	825.54	3/4	467.79	3/4	139.97	3/4		3/4		3/4	
10	2,250.11	10	1,891.64	10	1,533.16	10	1,174.69	10	818.13	10	460.43	10	133.66	10	10	10		10	
1/4	2,242.64	1/4	1,884.17	1/4	1,525.70	1/4	1,167.22	1/4	810.71	1/4	453.07	1/4	127.36	1/4		1/4		1/4	
1/2	2,235.18	1/2	1,876.70	1/2	1,518.23	1/2	1,159.75	1/2	803.29	1/2	445.80	1/2	121.15	1/2		1/2		1/2	
3/4	2,227.71	3/4	1,869.23	3/4	1,510.76	3/4	1,152.29	3/4	795.87	3/4	438.53	3/4	114.94	3/4		3/4		3/4	
11	2,220.24	11	1,861.77	11	1,503.29	11	1,144.82	11	788.46	11	431.26	11	108.72	11	11	11		11	
1/4	2,212.77	1/4	1,854.30	1/4	1,495.82	1/4	1,137.35	1/4	781.04	1/4	423.99	1/4	102.51	1/4		1/4		1/4	
1/2	2,205.30	1/2	1,846.83	1/2	1,488.36	1/2	1,129.90	1/2	773.58	1/2	416.81	1/2	96.38	1/2		1/2		1/2	
3/4	2,197.83	3/4	1,839.36	3/4	1,480.89	3/4	1,122.46	3/4	766.13	3/4	409.63	3/4	90.26	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/17/2013 CL
NAME CHANGE: 08/07/2023 JS
VERIFIED: 08/07/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "KIRBY 29165"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30048"

GAUGE HEIGHT 17'-03 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN			
0		0		0		0		0	4,698.99	0	4,341.99	0	3,983.77	0	3,625.49	0	3,267.21	0	2,908.93		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,691.58	1/4	4,334.55	1/4	3,976.30	1/4	3,618.03	1/4	3,259.75	1/4	2,901.47		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,019.61	1/2	4,684.18	1/2	4,327.09	1/2	3,968.84	1/2	3,610.56	1/2	3,252.29	1/2	2,894.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,015.14	3/4	4,676.78	3/4	4,319.64	3/4	3,961.37	3/4	3,603.10	3/4	3,244.82	3/4	2,886.53
1		1		1		1		1	5,010.66	1	4,669.38	1	4,312.18	1	3,953.91	1	3,595.63	1	3,237.36	1	2,879.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,006.19	1/4	4,661.97	1/4	4,304.72	1/4	3,946.45	1/4	3,588.17	1/4	3,229.89	1/4	2,871.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,000.65	1/2	4,654.54	1/2	4,297.26	1/2	3,938.98	1/2	3,580.71	1/2	3,222.43	1/2	2,864.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,995.11	3/4	4,647.11	3/4	4,289.80	3/4	3,931.52	3/4	3,573.24	3/4	3,214.96	3/4	2,856.66
2		2		2		2		2	4,989.57	2	4,639.68	2	4,282.33	2	3,924.05	2	3,565.78	2	3,207.50	2	2,849.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,984.03	1/4	4,632.25	1/4	4,274.87	1/4	3,916.59	1/4	3,558.31	1/4	3,200.04	1/4	2,841.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,977.43	1/2	4,624.80	1/2	4,267.40	1/2	3,909.13	1/2	3,550.85	1/2	3,192.57	1/2	2,834.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,970.82	3/4	4,617.36	3/4	4,259.94	3/4	3,901.66	3/4	3,543.39	3/4	3,185.11	3/4	2,826.79
3		3		3		3		3	4,964.22	3	4,609.92	3	4,252.47	3	3,894.20	3	3,535.92	3	3,177.64	3	2,819.32
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,957.61	1/4	4,602.48	1/4	4,245.01	1/4	3,886.73	1/4	3,528.46	1/4	3,170.18	1/4	2,811.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,950.34	1/2	4,595.03	1/2	4,237.55	1/2	3,879.27	1/2	3,520.99	1/2	3,162.72	1/2	2,804.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,943.07	3/4	4,587.59	3/4	4,230.08	3/4	3,871.81	3/4	3,513.53	3/4	3,155.25	3/4	2,796.91
4		4		4		4		4	4,935.79	4	4,580.15	4	4,222.62	4	3,864.34	4	3,506.06	4	3,147.79	4	2,789.45
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,928.52	1/4	4,572.71	1/4	4,215.15	1/4	3,856.88	1/4	3,498.60	1/4	3,140.32	1/4	2,781.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,921.11	1/2	4,565.26	1/2	4,207.69	1/2	3,849.41	1/2	3,491.14	1/2	3,132.86	1/2	2,774.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,913.71	3/4	4,557.82	3/4	4,200.23	3/4	3,841.95	3/4	3,483.67	3/4	3,125.40	3/4	2,767.04
5		5		5		5		5	4,906.30	5	4,550.38	5	4,192.76	5	3,834.49	5	3,476.21	5	3,117.93	5	2,759.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,898.89	1/4	4,542.94	1/4	4,185.30	1/4	3,827.02	1/4	3,468.74	1/4	3,110.47	1/4	2,752.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,891.49	1/2	4,535.49	1/2	4,177.83	1/2	3,819.56	1/2	3,461.28	1/2	3,103.00	1/2	2,744.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,884.08	3/4	4,528.05	3/4	4,170.37	3/4	3,812.09	3/4	3,453.82	3/4	3,095.54	3/4	2,737.17
6		6		6		6		6	4,876.67	6	4,520.61	6	4,162.91	6	3,804.63	6	3,446.35	6	3,088.08	6	2,729.70
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,869.27	1/4	4,513.17	1/4	4,155.44	1/4	3,797.16	1/4	3,438.89	1/4	3,080.61	1/4	2,722.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,861.86	1/2	4,505.72	1/2	4,147.98	1/2	3,789.70	1/2	3,431.42	1/2	3,073.15	1/2	2,714.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,854.45	3/4	4,498.28	3/4	4,140.51	3/4	3,782.24	3/4	3,423.96	3/4	3,065.68	3/4	2,707.30
7		7		7		7		7	4,847.05	7	4,490.84	7	4,133.05	7	3,774.77	7	3,416.50	7	3,058.22	7	2,699.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,839.64	1/4	4,483.40	1/4	4,125.59	1/4	3,767.31	1/4	3,409.03	1/4	3,050.75	1/4	2,692.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,832.24	1/2	4,475.96	1/2	4,118.12	1/2	3,759.84	1/2	3,401.57	1/2	3,043.29	1/2	2,684.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,824.83	3/4	4,468.51	3/4	4,110.66	3/4	3,752.38	3/4	3,394.10	3/4	3,035.83	3/4	2,677.42
8		8		8		8		8	4,817.43	8	4,461.07	8	4,103.19	8	3,744.92	8	3,386.64	8	3,028.36	8	2,669.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,810.02	1/4	4,453.63	1/4	4,095.73	1/4	3,737.45	1/4	3,379.18	1/4	3,020.90	1/4	2,662.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,802.62	1/2	4,446.19	1/2	4,088.26	1/2	3,729.99	1/2	3,371.71	1/2	3,013.43	1/2	2,655.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,795.22	3/4	4,438.74	3/4	4,080.80	3/4	3,722.52	3/4	3,364.25	3/4	3,005.97	3/4	2,647.55
9		9		9		9		9	4,787.82	9	4,431.30	9	4,073.34	9	3,715.06	9	3,356.78	9	2,998.51	9	2,640.08
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,780.41	1/4	4,423.86	1/4	4,065.87	1/4	3,707.60	1/4	3,349.32	1/4	2,991.04	1/4	2,632.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,773.01	1/2	4,416.42	1/2	4,058.41	1/2	3,700.13	1/2	3,341.85	1/2	2,983.58	1/2	2,625.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,765.61	3/4	4,408.97	3/4	4,050.94	3/4	3,692.67	3/4	3,334.39	3/4	2,976.11	3/4	2,617.68
10		10		10		10		10	4,758.21	10	4,401.53	10	4,043.48	10	3,685.20	10	3,326.93	10	2,968.65	10	2,610.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,750.80	1/4	4,394.09	1/4	4,036.02	1/4	3,677.74	1/4	3,319.46	1/4	2,961.19	1/4	2,602.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,743.40	1/2	4,386.65	1/2	4,028.55	1/2	3,670.27	1/2	3,312.00	1/2	2,953.72	1/2	2,595.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,736.00	3/4	4,379.20	3/4	4,021.09	3/4	3,662.81	3/4	3,304.53	3/4	2,946.26	3/4	2,587.81
11		11		11		11		11	4,728.60	11	4,371.76	11	4,013.62	11	3,655.35	11	3,297.07	11	2,938.79	11	2,580.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,721.19	1/4	4,364.32	1/4	4,006.16	1/4	3,647.88	1/4	3,289.61	1/4	2,931.33	1/4	2,572.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,713.79	1/2	4,356.88	1/2	3,998.70	1/2	3,640.42	1/2	3,282.14	1/2	2,923.86	1/2	2,565.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,706.39	3/4	4,349.43	3/4	3,991.23	3/4	3,632.95	3/4	3,274.68	3/4	2,916.40	3/4	2,557.93

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" 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 29165"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30048"

GAUGE HEIGHT 17'-03 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	2,550.47	0	2,192.00	0	1,833.53	0	1,475.06	0	1,116.59	0	758.62	0	402.44	0	84.13	0		0	
1/4	2,543.00	1/4	2,184.53	1/4	1,826.06	1/4	1,467.59	1/4	1,109.12	1/4	751.15	1/4	395.26	1/4	78.01	1/4		1/4	
1/2	2,535.53	1/2	2,177.06	1/2	1,818.59	1/2	1,460.12	1/2	1,101.65	1/2	743.68	1/2	388.17	1/2	71.97	1/2		1/2	
3/4	2,528.06	3/4	2,169.59	3/4	1,811.12	3/4	1,452.66	3/4	1,094.19	3/4	736.22	3/4	381.08	3/4	65.93	3/4		3/4	
1	2,520.59	1	2,162.12	1	1,803.66	1	1,445.19	1	1,086.72	1	728.75	1	373.98	1	59.89	1		1	
1/4	2,513.13	1/4	2,154.66	1/4	1,796.19	1/4	1,437.72	1/4	1,079.25	1/4	721.28	1/4	366.89	1/4	53.86	1/4		1/4	
1/2	2,505.66	1/2	2,147.19	1/2	1,788.72	1/2	1,430.25	1/2	1,071.79	1/2	713.81	1/2	359.88	1/2	48.61	1/2		1/2	
3/4	2,498.19	3/4	2,139.72	3/4	1,781.25	3/4	1,422.78	3/4	1,064.32	3/4	706.34	3/4	352.88	3/4	43.36	3/4		3/4	
2	2,490.72	2	2,132.25	2	1,773.78	2	1,415.31	2	1,056.86	2	698.88	2	345.87	2	38.11	2		2	
1/4	2,483.25	1/4	2,124.78	1/4	1,766.32	1/4	1,407.85	1/4	1,049.40	1/4	691.41	1/4	338.86	1/4	32.86	1/4		1/4	
1/2	2,475.78	1/2	2,117.32	1/2	1,758.85	1/2	1,400.38	1/2	1,041.94	1/2	683.94	1/2	331.95	1/2	29.33	1/2		1/2	
3/4	2,468.32	3/4	2,109.85	3/4	1,751.38	3/4	1,392.91	3/4	1,034.47	3/4	676.47	3/4	325.03	3/4	25.81	3/4		3/4	
3	2,460.85	3	2,102.38	3	1,743.91	3	1,385.44	3	1,027.01	3	669.00	3	318.11	3	22.28	3		3	
1/4	2,453.38	1/4	2,094.91	1/4	1,736.44	1/4	1,377.97	1/4	1,019.55	1/4	661.54	1/4	311.19	1/4	18.75	1/4		1/4	
1/2	2,445.91	1/2	2,087.44	1/2	1,728.97	1/2	1,370.51	1/2	1,012.10	1/2	654.07	1/2	304.36	1/2		1/2		1/2	
3/4	2,438.44	3/4	2,079.98	3/4	1,721.51	3/4	1,363.04	3/4	1,004.64	3/4	646.60	3/4	297.53	3/4		3/4		3/4	
4	2,430.98	4	2,072.51	4	1,714.04	4	1,355.57	4	997.18	4	639.13	4	290.70	4	4	4		4	
1/4	2,423.51	1/4	2,065.04	1/4	1,706.57	1/4	1,348.10	1/4	989.73	1/4	631.67	1/4	283.88	1/4		1/4		1/4	
1/2	2,416.04	1/2	2,057.57	1/2	1,699.10	1/2	1,340.63	1/2	982.27	1/2	624.20	1/2	277.13	1/2		1/2		1/2	
3/4	2,408.57	3/4	2,050.10	3/4	1,691.63	3/4	1,333.17	3/4	974.82	3/4	616.73	3/4	270.39	3/4		3/4		3/4	
5	2,401.10	5	2,042.64	5	1,684.17	5	1,325.70	5	967.36	5	609.26	5	263.65	5	5	5		5	
1/4	2,393.64	1/4	2,035.17	1/4	1,676.70	1/4	1,318.23	1/4	959.91	1/4	601.79	1/4	256.91	1/4		1/4		1/4	
1/2	2,386.17	1/2	2,027.70	1/2	1,669.23	1/2	1,310.76	1/2	952.46	1/2	594.33	1/2	250.26	1/2		1/2		1/2	
3/4	2,378.70	3/4	2,020.23	3/4	1,661.76	3/4	1,303.29	3/4	945.00	3/4	586.86	3/4	243.60	3/4		3/4		3/4	
6	2,371.23	6	2,012.76	6	1,654.29	6	1,295.83	6	937.55	6	579.39	6	236.95	6	6	6		6	
1/4	2,363.76	1/4	2,005.29	1/4	1,646.83	1/4	1,288.36	1/4	930.09	1/4	571.92	1/4	230.29	1/4		1/4		1/4	
1/2	2,356.30	1/2	1,997.83	1/2	1,639.36	1/2	1,280.89	1/2	922.64	1/2	564.46	1/2	223.73	1/2		1/2		1/2	
3/4	2,348.83	3/4	1,990.36	3/4	1,631.89	3/4	1,273.42	3/4	915.19	3/4	557.00	3/4	217.16	3/4		3/4		3/4	
7	2,341.36	7	1,982.89	7	1,624.42	7	1,265.95	7	907.73	7	549.54	7	210.60	7	7	7		7	
1/4	2,333.89	1/4	1,975.42	1/4	1,616.95	1/4	1,258.48	1/4	900.28	1/4	542.07	1/4	204.03	1/4		1/4		1/4	
1/2	2,326.42	1/2	1,967.95	1/2	1,609.49	1/2	1,251.02	1/2	892.82	1/2	534.61	1/2	197.56	1/2		1/2		1/2	
3/4	2,318.95	3/4	1,960.49	3/4	1,602.02	3/4	1,243.55	3/4	885.37	3/4	527.15	3/4	191.08	3/4		3/4		3/4	
8	2,311.49	8	1,953.02	8	1,594.55	8	1,236.08	8	877.91	8	519.69	8	184.60	8	8	8		8	
1/4	2,304.02	1/4	1,945.55	1/4	1,587.08	1/4	1,228.61	1/4	870.46	1/4	512.23	1/4	178.12	1/4		1/4		1/4	
1/2	2,296.55	1/2	1,938.08	1/2	1,579.61	1/2	1,221.14	1/2	863.01	1/2	504.80	1/2	171.73	1/2		1/2		1/2	
3/4	2,289.08	3/4	1,930.61	3/4	1,572.14	3/4	1,213.68	3/4	855.55	3/4	497.37	3/4	165.34	3/4		3/4		3/4	
9	2,281.61	9	1,923.15	9	1,564.68	9	1,206.21	9	848.10	9	489.93	9	158.95	9	9	9		9	
1/4	2,274.15	1/4	1,915.68	1/4	1,557.21	1/4	1,198.74	1/4	840.64	1/4	482.50	1/4	152.57	1/4		1/4		1/4	
1/2	2,266.68	1/2	1,908.21	1/2	1,549.74	1/2	1,191.27	1/2	833.19	1/2	475.14	1/2	146.26	1/2		1/2		1/2	
3/4	2,259.21	3/4	1,900.74	3/4	1,542.27	3/4	1,183.80	3/4	825.73	3/4	467.79	3/4	139.96	3/4		3/4		3/4	
10	2,251.74	10	1,893.27	10	1,534.80	10	1,176.34	10	818.28	10	460.43	10	133.66	10	10	10		10	
1/4	2,244.27	1/4	1,885.81	1/4	1,527.34	1/4	1,168.87	1/4	810.83	1/4	453.07	1/4	127.36	1/4		1/4		1/4	
1/2	2,236.81	1/2	1,878.34	1/2	1,519.87	1/2	1,161.40	1/2	803.37	1/2	445.80	1/2	121.15	1/2		1/2		1/2	
3/4	2,229.34	3/4	1,870.87	3/4	1,512.40	3/4	1,153.93	3/4	795.92	3/4	438.53	3/4	114.93	3/4		3/4		3/4	
11	2,221.87	11	1,863.40	11	1,504.93	11	1,146.46	11	788.46	11	431.26	11	108.72	11	11	11		11	
1/4	2,214.40	1/4	1,855.93	1/4	1,497.46	1/4	1,139.00	1/4	781.01	1/4	423.99	1/4	102.51	1/4		1/4		1/4	
1/2	2,206.93	1/2	1,848.46	1/2	1,490.00	1/2	1,131.53	1/2	773.54	1/2	416.81	1/2	96.38	1/2		1/2		1/2	
3/4	2,199.47	3/4	1,841.00	3/4	1,482.53	3/4	1,124.06	3/4	766.08	3/4	409.63	3/4	90.26	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/17/2013 CL
NAME CHANGE: 08/07/2023 JS
VERIFIED: 08/07/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "KIRBY 29165"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30048"

GAUGE HEIGHT 17'-03 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0	4,768.94	0	4,411.02	0	4,051.85	0	3,692.61	0	3,333.38	0	2,974.13		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,761.51	1/4	4,403.56	1/4	4,044.37	1/4	3,685.13	1/4	3,325.89	1/4	2,966.64		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,754.09	1/2	4,396.10	1/2	4,036.88	1/2	3,677.64	1/2	3,318.41	1/2	2,959.15		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,083.00	3/4	4,746.67	3/4	4,388.62	3/4	4,029.40	3/4	3,670.16	3/4	3,310.92	3/4	2,951.66
1		1		1		1		1	5,078.52	1	4,739.25	1	4,381.14	1	4,021.91	1	3,662.68	1	3,303.44	1	2,944.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,074.03	1/4	4,731.82	1/4	4,373.66	1/4	4,014.43	1/4	3,655.19	1/4	3,295.96	1/4	2,936.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,069.55	1/2	4,724.40	1/2	4,366.18	1/2	4,006.95	1/2	3,647.71	1/2	3,288.47	1/2	2,929.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,063.99	3/4	4,716.95	3/4	4,358.70	3/4	3,999.46	3/4	3,640.22	3/4	3,280.99	3/4	2,921.71
2		2		2		2		2	5,058.44	2	4,709.50	2	4,351.21	2	3,991.98	2	3,632.74	2	3,273.50	2	2,914.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,052.88	1/4	4,702.04	1/4	4,343.73	1/4	3,984.49	1/4	3,625.26	1/4	3,266.02	1/4	2,906.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,047.33	1/2	4,694.59	1/2	4,336.25	1/2	3,977.01	1/2	3,617.77	1/2	3,258.54	1/2	2,899.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,040.70	3/4	4,687.13	3/4	4,328.76	3/4	3,969.52	3/4	3,610.29	3/4	3,251.05	3/4	2,891.76
3		3		3		3		3	5,034.08	3	4,679.67	3	4,321.28	3	3,962.04	3	3,602.80	3	3,243.57	3	2,884.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,027.46	1/4	4,672.20	1/4	4,313.79	1/4	3,954.56	1/4	3,595.32	1/4	3,236.08	1/4	2,876.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,020.84	1/2	4,664.74	1/2	4,306.31	1/2	3,947.07	1/2	3,587.84	1/2	3,228.60	1/2	2,869.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,013.54	3/4	4,657.28	3/4	4,298.83	3/4	3,939.59	3/4	3,580.35	3/4	3,221.11	3/4	2,861.81
4		4		4		4		4	5,006.25	4	4,649.82	4	4,291.34	4	3,932.10	4	3,572.87	4	3,213.63	4	2,854.32
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,998.96	1/4	4,642.36	1/4	4,283.86	1/4	3,924.62	1/4	3,565.38	1/4	3,206.15	1/4	2,846.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,991.67	1/2	4,634.89	1/2	4,276.37	1/2	3,917.14	1/2	3,557.90	1/2	3,198.66	1/2	2,839.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,984.24	3/4	4,627.43	3/4	4,268.89	3/4	3,909.65	3/4	3,550.42	3/4	3,191.18	3/4	2,831.86
5		5		5		5		5	4,976.81	5	4,619.97	5	4,261.40	5	3,902.17	5	3,542.93	5	3,183.69	5	2,824.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,969.39	1/4	4,612.51	1/4	4,253.92	1/4	3,894.68	1/4	3,535.45	1/4	3,176.21	1/4	2,816.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,961.96	1/2	4,605.04	1/2	4,246.44	1/2	3,887.20	1/2	3,527.96	1/2	3,168.73	1/2	2,809.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,954.53	3/4	4,597.58	3/4	4,238.95	3/4	3,879.72	3/4	3,520.48	3/4	3,161.24	3/4	2,801.90
6		6		6		6		6	4,947.11	6	4,590.12	6	4,231.47	6	3,872.23	6	3,512.99	6	3,153.76	6	2,794.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,939.68	1/4	4,582.66	1/4	4,223.98	1/4	3,864.75	1/4	3,505.51	1/4	3,146.27	1/4	2,786.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,932.25	1/2	4,575.19	1/2	4,216.50	1/2	3,857.26	1/2	3,498.03	1/2	3,138.79	1/2	2,779.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,924.83	3/4	4,567.73	3/4	4,209.02	3/4	3,849.78	3/4	3,490.54	3/4	3,131.31	3/4	2,771.95
7		7		7		7		7	4,917.40	7	4,560.27	7	4,201.53	7	3,842.30	7	3,483.06	7	3,123.82	7	2,764.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,909.97	1/4	4,552.81	1/4	4,194.05	1/4	3,834.81	1/4	3,475.57	1/4	3,116.34	1/4	2,756.97
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,902.55	1/2	4,545.34	1/2	4,186.56	1/2	3,827.33	1/2	3,468.09	1/2	3,108.85	1/2	2,749.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,895.12	3/4	4,537.88	3/4	4,179.08	3/4	3,819.84	3/4	3,460.61	3/4	3,101.37	3/4	2,742.00
8		8		8		8		8	4,887.70	8	4,530.42	8	4,171.60	8	3,812.36	8	3,453.12	8	3,093.89	8	2,734.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,880.28	1/4	4,522.96	1/4	4,164.11	1/4	3,804.87	1/4	3,445.64	1/4	3,086.40	1/4	2,727.02
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,872.85	1/2	4,515.49	1/2	4,156.63	1/2	3,797.39	1/2	3,438.15	1/2	3,078.92	1/2	2,719.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,865.43	3/4	4,508.03	3/4	4,149.14	3/4	3,789.91	3/4	3,430.67	3/4	3,071.43	3/4	2,712.05
9		9		9		9		9	4,858.01	9	4,500.57	9	4,141.66	9	3,782.42	9	3,423.19	9	3,063.95	9	2,704.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,850.58	1/4	4,493.11	1/4	4,134.18	1/4	3,774.94	1/4	3,415.70	1/4	3,056.46	1/4	2,697.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,843.16	1/2	4,485.64	1/2	4,126.69	1/2	3,767.45	1/2	3,408.22	1/2	3,048.98	1/2	2,689.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,835.74	3/4	4,478.18	3/4	4,119.21	3/4	3,759.97	3/4	3,400.73	3/4	3,041.50	3/4	2,682.09
10		10		10		10		10	4,828.32	10	4,470.72	10	4,111.72	10	3,752.49	10	3,393.25	10	3,034.01	10	2,674.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,820.89	1/4	4,463.26	1/4	4,104.24	1/4	3,745.00	1/4	3,385.76	1/4	3,026.53	1/4	2,667.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,813.47	1/2	4,455.80	1/2	4,096.75	1/2	3,737.52	1/2	3,378.28	1/2	3,019.04	1/2	2,659.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,806.05	3/4	4,448.33	3/4	4,089.27	3/4	3,730.03	3/4	3,370.80	3/4	3,011.56	3/4	2,652.14
11		11		11		11		11	4,798.63	11	4,440.87	11	4,081.79	11	3,722.55	11	3,363.31	11	3,004.08	11	2,644.65
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,791.20	1/4	4,433.41	1/4	4,074.30	1/4	3,715.07	1/4	3,355.83	1/4	2,996.59	1/4	2,637.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,783.78	1/2	4,425.95	1/2	4,066.82	1/2	3,707.58	1/2	3,348.34	1/2	2,989.11	1/2	2,629.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,776.36	3/4	4,418.48	3/4	4,059.33	3/4	3,700.10	3/4	3,340.86	3/4	2,981.62	3/4	2,622.19

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" 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 29165"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30048"

GAUGE HEIGHT 17'-03 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	2,614.70	0	2,255.27	0	1,895.84	0	1,536.41	0	1,177.41	0	831.79	0	472.53	0	113.10	0		0	
1/4	2,607.21	1/4	2,247.78	1/4	1,888.35	1/4	1,528.93	1/4	1,170.13	1/4	824.38	1/4	465.04	1/4	105.61	1/4		1/4	
1/2	2,599.72	1/2	2,240.30	1/2	1,880.87	1/2	1,521.44	1/2	1,162.86	1/2	816.97	1/2	457.55	1/2	98.13	1/2		1/2	
3/4	2,592.24	3/4	2,232.81	3/4	1,873.38	3/4	1,513.95	3/4	1,155.65	3/4	809.49	3/4	450.06	3/4	90.64	3/4		3/4	
1	2,584.75	1	2,225.32	1	1,865.89	1	1,506.46	1	1,148.45	1	802.00	1	442.57	1	83.15	1		1	
1/4	2,577.26	1/4	2,217.83	1/4	1,858.40	1/4	1,498.97	1/4	1,141.24	1/4	794.51	1/4	435.09	1/4	75.66	1/4		1/4	
1/2	2,569.77	1/2	2,210.34	1/2	1,850.91	1/2	1,491.49	1/2	1,134.04	1/2	787.02	1/2	427.60	1/2	68.17	1/2		1/2	
3/4	2,562.28	3/4	2,202.85	3/4	1,843.43	3/4	1,484.00	3/4	1,126.84	3/4	779.53	3/4	420.11	3/4	61.39	3/4		3/4	
2	2,554.80	2	2,195.37	2	1,835.94	2	1,476.51	2	1,119.65	2	772.05	2	412.62	2	54.60	2		2	
1/4	2,547.31	1/4	2,187.88	1/4	1,828.45	1/4	1,469.02	1/4	1,112.45	1/4	764.56	1/4	405.13	1/4	47.82	1/4		1/4	
1/2	2,539.82	1/2	2,180.39	1/2	1,820.96	1/2	1,461.53	1/2	1,105.26	1/2	757.07	1/2	397.65	1/2	41.03	1/2		1/2	
3/4	2,532.33	3/4	2,172.90	3/4	1,813.47	3/4	1,454.04	3/4	1,098.07	3/4	749.58	3/4	390.16	3/4	35.88	3/4		3/4	
3	2,524.84	3	2,165.41	3	1,805.99	3	1,446.56	3	1,090.88	3	742.09	3	382.67	3	30.73	3		3	
1/4	2,517.35	1/4	2,157.93	1/4	1,798.50	1/4	1,439.07	1/4	1,083.69	1/4	734.61	1/4	375.18	1/4	25.59	1/4		1/4	
1/2	2,509.87	1/2	2,150.44	1/2	1,791.01	1/2	1,431.58	1/2	1,076.50	1/2	727.12	1/2	367.69	1/2	20.43	1/2		1/2	
3/4	2,502.38	3/4	2,142.95	3/4	1,783.52	3/4	1,424.09	3/4	1,069.31	3/4	719.63	3/4	360.21	3/4		3/4		3/4	
4	2,494.89	4	2,135.46	4	1,776.03	4	1,416.60	4	1,062.13	4	712.14	4	352.72	4		4		4	
1/4	2,487.40	1/4	2,127.97	1/4	1,768.54	1/4	1,409.12	1/4	1,054.94	1/4	704.65	1/4	345.23	1/4		1/4		1/4	
1/2	2,479.91	1/2	2,120.49	1/2	1,761.06	1/2	1,401.63	1/2	1,047.75	1/2	697.17	1/2	337.74	1/2		1/2		1/2	
3/4	2,472.43	3/4	2,113.00	3/4	1,753.57	3/4	1,394.14	3/4	1,040.57	3/4	689.68	3/4	330.25	3/4		3/4		3/4	
5	2,464.94	5	2,105.51	5	1,746.08	5	1,386.65	5	1,033.39	5	682.19	5	322.77	5		5		5	
1/4	2,457.45	1/4	2,098.02	1/4	1,738.59	1/4	1,379.16	1/4	1,026.20	1/4	674.70	1/4	315.28	1/4		1/4		1/4	
1/2	2,449.96	1/2	2,090.53	1/2	1,731.10	1/2	1,371.68	1/2	1,019.02	1/2	667.21	1/2	307.79	1/2		1/2		1/2	
3/4	2,442.47	3/4	2,083.05	3/4	1,723.62	3/4	1,364.19	3/4	1,011.84	3/4	659.73	3/4	300.30	3/4		3/4		3/4	
6	2,434.99	6	2,075.56	6	1,716.13	6	1,356.70	6	1,004.65	6	652.24	6	292.81	6		6		6	
1/4	2,427.50	1/4	2,068.07	1/4	1,708.64	1/4	1,349.21	1/4	997.47	1/4	644.75	1/4	285.33	1/4		1/4		1/4	
1/2	2,420.01	1/2	2,060.58	1/2	1,701.15	1/2	1,341.72	1/2	990.28	1/2	637.26	1/2	277.84	1/2		1/2		1/2	
3/4	2,412.52	3/4	2,053.09	3/4	1,693.66	3/4	1,334.24	3/4	983.10	3/4	629.77	3/4	270.35	3/4		3/4		3/4	
7	2,405.03	7	2,045.60	7	1,686.18	7	1,326.75	7	975.92	7	622.29	7	262.86	7		7		7	
1/4	2,397.55	1/4	2,038.12	1/4	1,678.69	1/4	1,319.26	1/4	968.73	1/4	614.80	1/4	255.37	1/4		1/4		1/4	
1/2	2,390.06	1/2	2,030.63	1/2	1,671.20	1/2	1,311.77	1/2	961.55	1/2	607.31	1/2	247.89	1/2		1/2		1/2	
3/4	2,382.57	3/4	2,023.14	3/4	1,663.71	3/4	1,304.28	3/4	954.37	3/4	599.82	3/4	240.40	3/4		3/4		3/4	
8	2,375.08	8	2,015.65	8	1,656.22	8	1,296.79	8	947.18	8	592.33	8	232.91	8		8		8	
1/4	2,367.59	1/4	2,008.16	1/4	1,648.74	1/4	1,289.31	1/4	940.00	1/4	584.85	1/4	225.42	1/4		1/4		1/4	
1/2	2,360.10	1/2	2,000.68	1/2	1,641.25	1/2	1,281.82	1/2	932.82	1/2	577.36	1/2	217.93	1/2		1/2		1/2	
3/4	2,352.62	3/4	1,993.19	3/4	1,633.76	3/4	1,274.33	3/4	925.63	3/4	569.87	3/4	210.45	3/4		3/4		3/4	
9	2,345.13	9	1,985.70	9	1,626.27	9	1,266.84	9	918.45	9	562.38	9	202.96	9		9		9	
1/4	2,337.64	1/4	1,978.21	1/4	1,618.78	1/4	1,259.35	1/4	911.26	1/4	554.89	1/4	195.47	1/4		1/4		1/4	
1/2	2,330.15	1/2	1,970.72	1/2	1,611.29	1/2	1,251.87	1/2	904.08	1/2	547.41	1/2	187.98	1/2		1/2		1/2	
3/4	2,322.66	3/4	1,963.24	3/4	1,603.81	3/4	1,244.38	3/4	896.90	3/4	539.92	3/4	180.49	3/4		3/4		3/4	
10	2,315.18	10	1,955.75	10	1,596.32	10	1,236.89	10	889.71	10	532.43	10	173.01	10		10		10	
1/4	2,307.69	1/4	1,948.26	1/4	1,588.83	1/4	1,229.40	1/4	882.53	1/4	524.94	1/4	165.52	1/4		1/4		1/4	
1/2	2,300.20	1/2	1,940.77	1/2	1,581.34	1/2	1,221.91	1/2	875.35	1/2	517.45	1/2	158.03	1/2		1/2		1/2	
3/4	2,292.71	3/4	1,933.28	3/4	1,573.85	3/4	1,214.43	3/4	868.16	3/4	509.97	3/4	150.54	3/4		3/4		3/4	
11	2,285.22	11	1,925.80	11	1,566.37	11	1,206.94	11	860.98	11	502.48	11	143.05	11		11		11	
1/4	2,277.74	1/4	1,918.31	1/4	1,558.88	1/4	1,199.45	1/4	853.79	1/4	494.99	1/4	135.57	1/4		1/4		1/4	
1/2	2,270.25	1/2	1,910.82	1/2	1,551.39	1/2	1,191.96	1/2	846.61	1/2	487.50	1/2	128.08	1/2		1/2		1/2	
3/4	2,262.76	3/4	1,903.33	3/4	1,543.90	3/4	1,184.69	3/4	839.20	3/4	480.01	3/4	120.59	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/17/2013 CL
NAME CHANGE: 08/07/2023 JS
VERIFIED: 08/07/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 29165"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30048"

GAUGE HEIGHT 17'-04"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN			
0		0		0		0		0	4,796.54	0	4,438.79	0	4,079.75	0	3,720.60	0	3,361.45	0	3,002.30		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,789.12	1/4	4,431.33	1/4	4,072.27	1/4	3,713.12	1/4	3,353.97	1/4	2,994.81		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,781.70	1/2	4,423.87	1/2	4,064.79	1/2	3,705.64	1/2	3,346.49	1/2	2,987.33		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,774.28	3/4	4,416.41	3/4	4,057.31	3/4	3,698.16	3/4	3,339.00	3/4	2,979.84		
1		1		1		1		1	4,766.86	1	4,408.95	1	4,049.82	1	3,690.67	1	3,331.52	1	2,972.35		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,095.70	1/4	4,759.44	1/4	4,401.48	1/4	4,042.34	1/4	3,683.19	1/4	3,324.04	1/4	2,964.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,091.22	1/2	4,752.02	1/2	4,394.00	1/2	4,034.86	1/2	3,675.71	1/2	3,316.56	1/2	2,957.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,086.73	3/4	4,744.60	3/4	4,386.52	3/4	4,027.38	3/4	3,668.23	3/4	3,309.08	3/4	2,949.90
2		2		2		2		2	5,082.25	2	4,737.18	2	4,379.04	2	4,019.89	2	3,660.74	2	3,301.59	2	2,942.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,076.70	1/4	4,729.73	1/4	4,371.56	1/4	4,012.41	1/4	3,653.26	1/4	3,294.11	1/4	2,934.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,071.14	1/2	4,722.28	1/2	4,364.08	1/2	4,004.93	1/2	3,645.78	1/2	3,286.63	1/2	2,927.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,065.59	3/4	4,714.83	3/4	4,356.60	3/4	3,997.45	3/4	3,638.30	3/4	3,279.15	3/4	2,919.95
3		3		3		3		3	5,060.04	3	4,707.38	3	4,349.12	3	3,989.97	3	3,630.81	3	3,271.66	3	2,912.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,053.41	1/4	4,699.92	1/4	4,341.63	1/4	3,982.48	1/4	3,623.33	1/4	3,264.18	1/4	2,904.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,046.79	1/2	4,692.46	1/2	4,334.15	1/2	3,975.00	1/2	3,615.85	1/2	3,256.70	1/2	2,897.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,040.17	3/4	4,684.99	3/4	4,326.67	3/4	3,967.52	3/4	3,608.37	3/4	3,249.22	3/4	2,890.00
4		4		4		4		4	5,033.54	4	4,677.53	4	4,319.19	4	3,960.04	4	3,600.89	4	3,241.73	4	2,882.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,026.25	1/4	4,670.07	1/4	4,311.70	1/4	3,952.55	1/4	3,593.40	1/4	3,234.25	1/4	2,875.03
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,018.96	1/2	4,662.61	1/2	4,304.22	1/2	3,945.07	1/2	3,585.92	1/2	3,226.77	1/2	2,867.55
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,011.67	3/4	4,655.15	3/4	4,296.74	3/4	3,937.59	3/4	3,578.44	3/4	3,219.29	3/4	2,860.06
5		5		5		5		5	5,004.38	5	4,647.69	5	4,289.26	5	3,930.11	5	3,570.96	5	3,211.81	5	2,852.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,996.95	1/4	4,640.23	1/4	4,281.77	1/4	3,922.62	1/4	3,563.47	1/4	3,204.32	1/4	2,845.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,989.53	1/2	4,632.77	1/2	4,274.29	1/2	3,915.14	1/2	3,555.99	1/2	3,196.84	1/2	2,837.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,982.11	3/4	4,625.31	3/4	4,266.81	3/4	3,907.66	3/4	3,548.51	3/4	3,189.36	3/4	2,830.11
6		6		6		6		6	4,974.68	6	4,617.85	6	4,259.33	6	3,900.18	6	3,541.03	6	3,181.88	6	2,822.63
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,967.26	1/4	4,610.39	1/4	4,251.85	1/4	3,892.70	1/4	3,533.54	1/4	3,174.39	1/4	2,815.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,959.83	1/2	4,602.93	1/2	4,244.36	1/2	3,885.21	1/2	3,526.06	1/2	3,166.91	1/2	2,807.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,952.41	3/4	4,595.47	3/4	4,236.88	3/4	3,877.73	3/4	3,518.58	3/4	3,159.43	3/4	2,800.17
7		7		7		7		7	4,944.98	7	4,588.01	7	4,229.40	7	3,870.25	7	3,511.10	7	3,151.95	7	2,792.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,937.56	1/4	4,580.55	1/4	4,221.92	1/4	3,862.77	1/4	3,503.62	1/4	3,144.47	1/4	2,785.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,930.13	1/2	4,573.09	1/2	4,214.43	1/2	3,855.28	1/2	3,496.13	1/2	3,136.98	1/2	2,777.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,922.71	3/4	4,565.62	3/4	4,206.95	3/4	3,847.80	3/4	3,488.65	3/4	3,129.50	3/4	2,770.22
8		8		8		8		8	4,915.28	8	4,558.16	8	4,199.47	8	3,840.32	8	3,481.17	8	3,122.02	8	2,762.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,907.86	1/4	4,550.70	1/4	4,191.99	1/4	3,832.84	1/4	3,473.69	1/4	3,114.54	1/4	2,755.25
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,900.44	1/2	4,543.24	1/2	4,184.50	1/2	3,825.35	1/2	3,466.20	1/2	3,107.05	1/2	2,747.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,893.02	3/4	4,535.78	3/4	4,177.02	3/4	3,817.87	3/4	3,458.72	3/4	3,099.57	3/4	2,740.28
9		9		9		9		9	4,885.59	9	4,528.32	9	4,169.54	9	3,810.39	9	3,451.24	9	3,092.09	9	2,732.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,878.17	1/4	4,520.86	1/4	4,162.06	1/4	3,802.91	1/4	3,443.76	1/4	3,084.61	1/4	2,725.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,870.75	1/2	4,513.40	1/2	4,154.58	1/2	3,795.43	1/2	3,436.27	1/2	3,077.12	1/2	2,717.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,863.33	3/4	4,505.94	3/4	4,147.09	3/4	3,787.94	3/4	3,428.79	3/4	3,069.64	3/4	2,710.33
10		10		10		10		10	4,855.91	10	4,498.48	10	4,139.61	10	3,780.46	10	3,421.31	10	3,062.16	10	2,702.85
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,848.49	1/4	4,491.02	1/4	4,132.13	1/4	3,772.98	1/4	3,413.83	1/4	3,054.68	1/4	2,695.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,841.07	1/2	4,483.56	1/2	4,124.65	1/2	3,765.50	1/2	3,406.35	1/2	3,047.20	1/2	2,687.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,833.65	3/4	4,476.10	3/4	4,117.16	3/4	3,758.01	3/4	3,398.86	3/4	3,039.71	3/4	2,680.39
11		11		11		11		11	4,826.23	11	4,468.64	11	4,109.68	11	3,750.53	11	3,391.38	11	3,032.23	11	2,672.90
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,818.81	1/4	4,461.18	1/4	4,102.20	1/4	3,743.05	1/4	3,383.90	1/4	3,024.75	1/4	2,665.42
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,811.39	1/2	4,453.72	1/2	4,094.72	1/2	3,735.57	1/2	3,376.42	1/2	3,017.27	1/2	2,657.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,803.96	3/4	4,446.26	3/4	4,087.23	3/4	3,728.08	3/4	3,368.93	3/4	3,009.78	3/4	2,650.44

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
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BARGE "KIRBY 29165"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30048"

GAUGE HEIGHT 17'-04"

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	2,642.96	0	2,283.61	0	1,924.27	0	1,564.93	0	1,205.59	0	846.69	0	487.37	0	128.04	0		0	
1/4	2,635.47	1/4	2,276.13	1/4	1,916.79	1/4	1,557.44	1/4	1,198.10	1/4	839.21	1/4	479.88	1/4	120.55	1/4		1/4	
1/2	2,627.98	1/2	2,268.64	1/2	1,909.30	1/2	1,549.96	1/2	1,190.61	1/2	831.72	1/2	472.40	1/2	113.07	1/2		1/2	
3/4	2,620.50	3/4	2,261.16	3/4	1,901.81	3/4	1,542.47	3/4	1,183.13	3/4	824.24	3/4	464.91	3/4	105.58	3/4		3/4	
1	2,613.01	1	2,253.67	1	1,894.33	1	1,534.98	1	1,175.64	1	816.76	1	457.43	1	98.09	1		1	
1/4	2,605.53	1/4	2,246.18	1/4	1,886.84	1/4	1,527.50	1/4	1,168.16	1/4	809.27	1/4	449.94	1/4	90.61	1/4		1/4	
1/2	2,598.04	1/2	2,238.70	1/2	1,879.35	1/2	1,520.01	1/2	1,160.67	1/2	801.79	1/2	442.45	1/2	83.12	1/2		1/2	
3/4	2,590.55	3/4	2,231.21	3/4	1,871.87	3/4	1,512.53	3/4	1,153.18	3/4	794.30	3/4	434.97	3/4	75.63	3/4		3/4	
2	2,583.07	2	2,223.72	2	1,864.38	2	1,505.04	2	1,145.70	2	786.81	2	427.48	2	68.15	2		2	
1/4	2,575.58	1/4	2,216.24	1/4	1,856.90	1/4	1,497.55	1/4	1,138.21	1/4	779.33	1/4	420.00	1/4	61.36	1/4		1/4	
1/2	2,568.09	1/2	2,208.75	1/2	1,849.41	1/2	1,490.07	1/2	1,130.73	1/2	771.84	1/2	412.51	1/2	54.58	1/2		1/2	
3/4	2,560.61	3/4	2,201.27	3/4	1,841.92	3/4	1,482.58	3/4	1,123.25	3/4	764.36	3/4	405.02	3/4	47.80	3/4		3/4	
3	2,553.12	3	2,193.78	3	1,834.44	3	1,475.09	3	1,115.77	3	756.87	3	397.54	3	41.01	3		3	
1/4	2,545.64	1/4	2,186.29	1/4	1,826.95	1/4	1,467.61	1/4	1,108.29	1/4	749.38	1/4	390.05	1/4	35.87	1/4		1/4	
1/2	2,538.15	1/2	2,178.81	1/2	1,819.46	1/2	1,460.12	1/2	1,100.81	1/2	741.90	1/2	382.56	1/2	30.72	1/2		1/2	
3/4	2,530.66	3/4	2,171.32	3/4	1,811.98	3/4	1,452.64	3/4	1,093.33	3/4	734.41	3/4	375.08	3/4	25.57	3/4		3/4	
4	2,523.18	4	2,163.83	4	1,804.49	4	1,445.15	4	1,085.85	4	726.93	4	367.59	4	20.43	4		4	
1/4	2,515.69	1/4	2,156.35	1/4	1,797.01	1/4	1,437.66	1/4	1,078.37	1/4	719.44	1/4	360.11	1/4		1/4		1/4	
1/2	2,508.20	1/2	2,148.86	1/2	1,789.52	1/2	1,430.18	1/2	1,070.90	1/2	711.95	1/2	352.62	1/2		1/2		1/2	
3/4	2,500.72	3/4	2,141.37	3/4	1,782.03	3/4	1,422.69	3/4	1,063.42	3/4	704.47	3/4	345.13	3/4		3/4		3/4	
5	2,493.23	5	2,133.89	5	1,774.55	5	1,415.20	5	1,055.95	5	696.98	5	337.65	5		5		5	
1/4	2,485.74	1/4	2,126.40	1/4	1,767.06	1/4	1,407.72	1/4	1,048.47	1/4	689.49	1/4	330.16	1/4		1/4		1/4	
1/2	2,478.26	1/2	2,118.92	1/2	1,759.57	1/2	1,400.23	1/2	1,041.00	1/2	682.01	1/2	322.68	1/2		1/2		1/2	
3/4	2,470.77	3/4	2,111.43	3/4	1,752.09	3/4	1,392.74	3/4	1,033.53	3/4	674.52	3/4	315.19	3/4		3/4		3/4	
6	2,463.29	6	2,103.94	6	1,744.60	6	1,385.26	6	1,026.05	6	667.04	6	307.70	6		6		6	
1/4	2,455.80	1/4	2,096.46	1/4	1,737.11	1/4	1,377.77	1/4	1,018.58	1/4	659.55	1/4	300.22	1/4		1/4		1/4	
1/2	2,448.31	1/2	2,088.97	1/2	1,729.63	1/2	1,370.29	1/2	1,011.11	1/2	652.06	1/2	292.73	1/2		1/2		1/2	
3/4	2,440.83	3/4	2,081.48	3/4	1,722.14	3/4	1,362.80	3/4	1,003.63	3/4	644.58	3/4	285.25	3/4		3/4		3/4	
7	2,433.34	7	2,074.00	7	1,714.66	7	1,355.31	7	996.16	7	637.09	7	277.76	7		7		7	
1/4	2,425.85	1/4	2,066.51	1/4	1,707.17	1/4	1,347.83	1/4	988.69	1/4	629.61	1/4	270.27	1/4		1/4		1/4	
1/2	2,418.37	1/2	2,059.03	1/2	1,699.68	1/2	1,340.34	1/2	981.21	1/2	622.12	1/2	262.79	1/2		1/2		1/2	
3/4	2,410.88	3/4	2,051.54	3/4	1,692.20	3/4	1,332.85	3/4	973.74	3/4	614.63	3/4	255.30	3/4		3/4		3/4	
8	2,403.40	8	2,044.05	8	1,684.71	8	1,325.37	8	966.26	8	607.15	8	247.81	8		8		8	
1/4	2,395.91	1/4	2,036.57	1/4	1,677.22	1/4	1,317.88	1/4	958.79	1/4	599.66	1/4	240.33	1/4		1/4		1/4	
1/2	2,388.42	1/2	2,029.08	1/2	1,669.74	1/2	1,310.40	1/2	951.32	1/2	592.18	1/2	232.84	1/2		1/2		1/2	
3/4	2,380.94	3/4	2,021.59	3/4	1,662.25	3/4	1,302.91	3/4	943.84	3/4	584.69	3/4	225.36	3/4		3/4		3/4	
9	2,373.45	9	2,014.11	9	1,654.77	9	1,295.42	9	936.37	9	577.20	9	217.87	9		9		9	
1/4	2,365.96	1/4	2,006.62	1/4	1,647.28	1/4	1,287.94	1/4	928.90	1/4	569.72	1/4	210.38	1/4		1/4		1/4	
1/2	2,358.48	1/2	1,999.14	1/2	1,639.79	1/2	1,280.45	1/2	921.42	1/2	562.23	1/2	202.90	1/2		1/2		1/2	
3/4	2,350.99	3/4	1,991.65	3/4	1,632.31	3/4	1,272.96	3/4	913.95	3/4	554.75	3/4	195.41	3/4		3/4		3/4	
10	2,343.50	10	1,984.16	10	1,624.82	10	1,265.48	10	906.48	10	547.26	10	187.93	10		10		10	
1/4	2,336.02	1/4	1,976.68	1/4	1,617.33	1/4	1,257.99	1/4	899.00	1/4	539.77	1/4	180.44	1/4		1/4		1/4	
1/2	2,328.53	1/2	1,969.19	1/2	1,609.85	1/2	1,250.51	1/2	891.53	1/2	532.29	1/2	172.95	1/2		1/2		1/2	
3/4	2,321.05	3/4	1,961.70	3/4	1,602.36	3/4	1,243.02	3/4	884.06	3/4	524.80	3/4	165.47	3/4		3/4		3/4	
11	2,313.56	11	1,954.22	11	1,594.87	11	1,235.53	11	876.58	11	517.31	11	157.98	11		11		11	
1/4	2,306.07	1/4	1,946.73	1/4	1,587.39	1/4	1,228.05	1/4	869.11	1/4	509.83	1/4	150.50	1/4		1/4		1/4	
1/2	2,298.59	1/2	1,939.24	1/2	1,579.90	1/2	1,220.56	1/2	861.64	1/2	502.34	1/2	143.01	1/2		1/2		1/2	
3/4	2,291.10	3/4	1,931.76	3/4	1,572.42	3/4	1,213.07	3/4	854.16	3/4	494.86	3/4	135.52	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/17/2013 CL
NAME CHANGE: 08/07/2023 JS
VERIFIED: 08/07/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "KIRBY 29165"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30048"

GAUGE HEIGHT 17'-03 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0	4,294.17	0	4,075.74	0	3,856.45	0	3,637.13	0	3,312.36	0	2,955.72		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,289.65	1/4	4,071.18	1/4	3,851.88	1/4	3,632.56	1/4	3,304.95	1/4	2,948.28		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,285.12	1/2	4,066.63	1/2	3,847.31	1/2	3,627.99	1/2	3,297.53	1/2	2,940.85		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,478.75	3/4	4,260.59	3/4	4,062.06	3/4	3,842.74	3/4	3,623.42	3/4	3,293.41		
1		1		1		1		1	4,476.90	1	4,276.06	1	4,057.49	1	3,838.18	1	3,618.85	1	3,282.71	1	2,925.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,475.05	1/4	4,271.54	1/4	4,052.93	1/4	3,833.61	1/4	3,614.28	1/4	3,275.30	1/4	2,918.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,473.20	1/2	4,267.01	1/2	4,048.36	1/2	3,829.04	1/2	3,609.72	1/2	3,267.89	1/2	2,911.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,470.54	3/4	4,262.46	3/4	4,043.79	3/4	3,824.47	3/4	3,605.15	3/4	3,260.46	3/4	2,903.67
2		2		2		2		2	4,467.87	2	4,257.91	2	4,039.22	2	3,819.90	2	3,600.58	2	3,253.03	2	2,896.23
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,465.21	1/4	4,253.36	1/4	4,034.65	1/4	3,815.33	1/4	3,596.01	1/4	3,245.60	1/4	2,888.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,462.54	1/2	4,248.81	1/2	4,030.08	1/2	3,810.76	1/2	3,591.44	1/2	3,238.18	1/2	2,881.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,458.81	3/4	4,244.26	3/4	4,025.51	3/4	3,806.19	3/4	3,584.71	3/4	3,230.74	3/4	2,873.93
3		3		3		3		3	4,455.08	3	4,239.70	3	4,020.94	3	3,801.62	3	3,577.97	3	3,223.31	3	2,866.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,451.35	1/4	4,235.15	1/4	4,016.37	1/4	3,797.05	1/4	3,571.24	1/4	3,215.88	1/4	2,859.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,447.62	1/2	4,230.60	1/2	4,011.81	1/2	3,792.48	1/2	3,564.51	1/2	3,208.44	1/2	2,851.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,443.22	3/4	4,226.04	3/4	4,007.24	3/4	3,787.91	3/4	3,557.08	3/4	3,201.01	3/4	2,844.18
4		4		4		4		4	4,438.82	4	4,221.49	4	4,002.67	4	3,783.35	4	3,549.65	4	3,193.58	4	2,836.75
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,434.43	1/4	4,216.93	1/4	3,998.10	1/4	3,778.78	1/4	3,542.21	1/4	3,186.15	1/4	2,829.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,430.03	1/2	4,212.38	1/2	3,993.53	1/2	3,774.21	1/2	3,534.78	1/2	3,178.71	1/2	2,821.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,425.50	3/4	4,207.82	3/4	3,988.96	3/4	3,769.64	3/4	3,527.36	3/4	3,171.28	3/4	2,814.44
5		5		5		5		5	4,420.97	5	4,203.27	5	3,984.39	5	3,765.07	5	3,519.94	5	3,163.85	5	2,807.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,416.44	1/4	4,198.71	1/4	3,979.82	1/4	3,760.50	1/4	3,512.51	1/4	3,156.41	1/4	2,799.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,411.91	1/2	4,194.16	1/2	3,975.25	1/2	3,755.93	1/2	3,505.09	1/2	3,148.98	1/2	2,792.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,407.38	3/4	4,189.60	3/4	3,970.68	3/4	3,751.36	3/4	3,497.67	3/4	3,141.55	3/4	2,784.70
6		6		6		6		6	4,402.85	6	4,185.05	6	3,966.11	6	3,746.79	6	3,490.26	6	3,134.11	6	2,777.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,398.32	1/4	4,180.49	1/4	3,961.54	1/4	3,742.22	1/4	3,482.84	1/4	3,126.68	1/4	2,769.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,393.79	1/2	4,175.94	1/2	3,956.97	1/2	3,737.65	1/2	3,475.43	1/2	3,119.25	1/2	2,762.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,389.26	3/4	4,171.38	3/4	3,952.41	3/4	3,733.08	3/4	3,468.01	3/4	3,111.82	3/4	2,754.96
7		7		7		7		7	4,384.73	7	4,166.83	7	3,947.84	7	3,728.51	7	3,460.60	7	3,104.38	7	2,747.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,380.20	1/4	4,162.27	1/4	3,943.27	1/4	3,723.95	1/4	3,453.19	1/4	3,096.95	1/4	2,740.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,375.67	1/2	4,157.72	1/2	3,938.70	1/2	3,719.38	1/2	3,445.78	1/2	3,089.52	1/2	2,732.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,371.14	3/4	4,153.17	3/4	3,934.13	3/4	3,714.81	3/4	3,438.37	3/4	3,082.08	3/4	2,725.22
8		8		8		8		8	4,366.61	8	4,148.61	8	3,929.56	8	3,710.24	8	3,430.95	8	3,074.65	8	2,717.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,362.08	1/4	4,144.06	1/4	3,924.99	1/4	3,705.67	1/4	3,423.54	1/4	3,067.22	1/4	2,710.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,357.56	1/2	4,139.50	1/2	3,920.42	1/2	3,701.10	1/2	3,416.13	1/2	3,059.78	1/2	2,702.91
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,353.03	3/4	4,134.95	3/4	3,915.85	3/4	3,696.53	3/4	3,408.72	3/4	3,052.35	3/4	2,695.47
9		9		9		9		9	4,348.50	9	4,130.39	9	3,911.28	9	3,691.96	9	3,401.31	9	3,044.92	9	2,688.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,343.97	1/4	4,125.84	1/4	3,906.71	1/4	3,687.39	1/4	3,393.89	1/4	3,037.49	1/4	2,680.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,339.45	1/2	4,121.28	1/2	3,902.14	1/2	3,682.82	1/2	3,386.48	1/2	3,030.05	1/2	2,673.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,334.92	3/4	4,116.73	3/4	3,897.58	3/4	3,678.25	3/4	3,379.07	3/4	3,022.62	3/4	2,665.73
10		10		10		10		10	4,330.39	10	4,112.17	10	3,893.01	10	3,673.68	10	3,371.66	10	3,015.19	10	2,658.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,325.86	1/4	4,107.62	1/4	3,888.44	1/4	3,669.12	1/4	3,364.24	1/4	3,007.75	1/4	2,650.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,321.34	1/2	4,103.06	1/2	3,883.87	1/2	3,664.55	1/2	3,356.83	1/2	3,000.32	1/2	2,643.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,316.81	3/4	4,098.51	3/4	3,879.30	3/4	3,659.98	3/4	3,349.42	3/4	2,992.89	3/4	2,635.99
11		11		11		11		11	4,312.28	11	4,093.95	11	3,874.73	11	3,655.41	11	3,342.01	11	2,985.45	11	2,628.55
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,307.76	1/4	4,089.40	1/4	3,870.16	1/4	3,650.84	1/4	3,334.60	1/4	2,978.02	1/4	2,621.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,303.23	1/2	4,084.85	1/2	3,865.59	1/2	3,646.27	1/2	3,327.18	1/2	2,970.59	1/2	2,613.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,298.70	3/4	4,080.29	3/4	3,861.02	3/4	3,641.70	3/4	3,319.77	3/4	2,963.15	3/4	2,606.24

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" 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 29165"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30048"

GAUGE HEIGHT 17'-03 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,598.80	0	2,242.85	0	1,888.50	0	1,531.27	0	1,174.32	0	827.44	0	470.09	0	112.65	0		0	
1/4	2,591.36	1/4	2,235.46	1/4	1,881.07	1/4	1,523.82	1/4	1,167.03	1/4	820.05	1/4	462.64	1/4	105.20	1/4		1/4	
1/2	2,583.92	1/2	2,228.08	1/2	1,873.65	1/2	1,516.38	1/2	1,159.75	1/2	812.66	1/2	455.20	1/2	97.74	1/2		1/2	
3/4	2,576.47	3/4	2,220.70	3/4	1,866.20	3/4	1,508.94	3/4	1,152.52	3/4	805.21	3/4	447.75	3/4	90.29	3/4		3/4	
1	2,569.03	1	2,213.32	1	1,858.76	1	1,501.50	1	1,145.28	1	797.77	1	440.31	1	82.83	1		1	
1/4	2,561.59	1/4	2,205.94	1/4	1,851.32	1/4	1,494.05	1/4	1,138.05	1/4	790.32	1/4	432.86	1/4	75.37	1/4		1/4	
1/2	2,554.15	1/2	2,198.56	1/2	1,843.87	1/2	1,486.61	1/2	1,130.82	1/2	782.87	1/2	425.41	1/2	67.91	1/2		1/2	
3/4	2,546.70	3/4	2,191.18	3/4	1,836.43	3/4	1,479.17	3/4	1,123.59	3/4	775.42	3/4	417.97	3/4	61.15	3/4		3/4	
2	2,539.26	2	2,183.80	2	1,828.99	2	1,471.72	2	1,116.37	2	767.98	2	410.52	2	54.39	2		2	
1/4	2,531.82	1/4	2,176.42	1/4	1,821.54	1/4	1,464.28	1/4	1,109.15	1/4	760.53	1/4	403.08	1/4	47.63	1/4		1/4	
1/2	2,524.37	1/2	2,169.04	1/2	1,814.10	1/2	1,456.84	1/2	1,101.92	1/2	753.08	1/2	395.63	1/2	40.87	1/2		1/2	
3/4	2,516.93	3/4	2,161.66	3/4	1,806.66	3/4	1,449.39	3/4	1,094.70	3/4	745.63	3/4	388.19	3/4	35.75	3/4		3/4	
3	2,509.49	3	2,154.28	3	1,799.22	3	1,441.95	3	1,087.48	3	738.19	3	380.74	3	30.62	3		3	
1/4	2,502.05	1/4	2,146.90	1/4	1,791.77	1/4	1,434.51	1/4	1,080.26	1/4	730.74	1/4	373.29	1/4	25.49	1/4		1/4	
1/2	2,494.60	1/2	2,139.52	1/2	1,784.33	1/2	1,427.07	1/2	1,073.04	1/2	723.29	1/2	365.85	1/2	20.36	1/2		1/2	
3/4	2,487.19	3/4	2,132.14	3/4	1,776.89	3/4	1,419.62	3/4	1,065.83	3/4	715.85	3/4	358.40	3/4		3/4		3/4	
4	2,479.77	4	2,124.76	4	1,769.44	4	1,412.18	4	1,058.61	4	708.40	4	350.96	4		4		4	
1/4	2,472.36	1/4	2,117.38	1/4	1,762.00	1/4	1,404.74	1/4	1,051.40	1/4	700.95	1/4	343.51	1/4		1/4		1/4	
1/2	2,464.95	1/2	2,110.00	1/2	1,754.56	1/2	1,397.29	1/2	1,044.18	1/2	693.50	1/2	336.06	1/2		1/2		1/2	
3/4	2,457.54	3/4	2,102.62	3/4	1,747.11	3/4	1,389.85	3/4	1,036.97	3/4	686.06	3/4	328.62	3/4		3/4		3/4	
5	2,450.14	5	2,095.24	5	1,739.67	5	1,382.41	5	1,029.76	5	678.61	5	321.17	5		5		5	
1/4	2,442.73	1/4	2,087.86	1/4	1,732.23	1/4	1,374.96	1/4	1,022.54	1/4	671.16	1/4	313.73	1/4		1/4		1/4	
1/2	2,435.33	1/2	2,080.48	1/2	1,724.79	1/2	1,367.52	1/2	1,015.33	1/2	663.72	1/2	306.28	1/2		1/2		1/2	
3/4	2,427.92	3/4	2,073.09	3/4	1,717.34	3/4	1,360.08	3/4	1,008.12	3/4	656.27	3/4	298.84	3/4		3/4		3/4	
6	2,420.52	6	2,065.71	6	1,709.90	6	1,352.64	6	1,000.90	6	648.82	6	291.39	6		6		6	
1/4	2,413.12	1/4	2,058.33	1/4	1,702.46	1/4	1,345.19	1/4	993.69	1/4	641.37	1/4	283.94	1/4		1/4		1/4	
1/2	2,405.71	1/2	2,050.95	1/2	1,695.01	1/2	1,337.75	1/2	986.48	1/2	633.93	1/2	276.50	1/2		1/2		1/2	
3/4	2,398.31	3/4	2,043.57	3/4	1,687.57	3/4	1,330.31	3/4	979.26	3/4	626.48	3/4	269.05	3/4		3/4		3/4	
7	2,390.90	7	2,036.19	7	1,680.13	7	1,322.86	7	972.05	7	619.03	7	261.61	7		7		7	
1/4	2,383.50	1/4	2,028.81	1/4	1,672.68	1/4	1,315.42	1/4	964.84	1/4	611.59	1/4	254.16	1/4		1/4		1/4	
1/2	2,376.09	1/2	2,021.43	1/2	1,665.24	1/2	1,307.98	1/2	957.62	1/2	604.14	1/2	246.72	1/2		1/2		1/2	
3/4	2,368.69	3/4	2,014.05	3/4	1,657.80	3/4	1,300.53	3/4	950.41	3/4	596.69	3/4	239.27	3/4		3/4		3/4	
8	2,361.28	8	2,006.67	8	1,650.36	8	1,293.09	8	943.20	8	589.24	8	231.82	8		8		8	
1/4	2,353.88	1/4	1,999.29	1/4	1,642.91	1/4	1,285.65	1/4	935.98	1/4	581.80	1/4	224.37	1/4		1/4		1/4	
1/2	2,346.47	1/2	1,991.91	1/2	1,635.47	1/2	1,278.21	1/2	928.77	1/2	574.35	1/2	216.93	1/2		1/2		1/2	
3/4	2,339.07	3/4	1,984.53	3/4	1,628.03	3/4	1,270.76	3/4	921.56	3/4	566.90	3/4	209.48	3/4		3/4		3/4	
9	2,331.67	9	1,977.15	9	1,620.58	9	1,263.32	9	914.34	9	559.45	9	202.03	9		9		9	
1/4	2,324.26	1/4	1,969.77	1/4	1,613.14	1/4	1,255.88	1/4	907.13	1/4	552.01	1/4	194.59	1/4		1/4		1/4	
1/2	2,316.86	1/2	1,962.39	1/2	1,605.70	1/2	1,248.43	1/2	899.92	1/2	544.56	1/2	187.14	1/2		1/2		1/2	
3/4	2,309.45	3/4	1,955.01	3/4	1,598.25	3/4	1,240.99	3/4	892.70	3/4	537.11	3/4	179.69	3/4		3/4		3/4	
10	2,302.05	10	1,947.63	10	1,590.81	10	1,233.55	10	885.49	10	529.67	10	172.24	10		10		10	
1/4	2,294.64	1/4	1,940.25	1/4	1,583.37	1/4	1,226.10	1/4	878.28	1/4	522.22	1/4	164.80	1/4		1/4		1/4	
1/2	2,287.24	1/2	1,932.87	1/2	1,575.93	1/2	1,218.66	1/2	871.06	1/2	514.77	1/2	157.35	1/2		1/2		1/2	
3/4	2,279.83	3/4	1,925.49	3/4	1,568.48	3/4	1,211.22	3/4	863.85	3/4	507.32	3/4	149.90	3/4		3/4		3/4	
11	2,272.43	11	1,918.11	11	1,561.04	11	1,203.78	11	856.64	11	499.88	11	142.45	11		11		11	
1/4	2,265.03	1/4	1,910.73	1/4	1,553.60	1/4	1,196.33	1/4	849.43	1/4	492.43	1/4	135.00	1/4		1/4		1/4	
1/2	2,257.62	1/2	1,903.35	1/2	1,546.15	1/2	1,188.89	1/2	842.21	1/2	484.98	1/2	127.55	1/2		1/2		1/2	
3/4	2,250.23	3/4	1,895.93	3/4	1,538.71	3/4	1,181.60	3/4	834.82	3/4	477.54	3/4	120.10	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/17/2013 CL
NAME CHANGE: 08/07/2023 JS
VERIFIED: 08/07/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "KIRBY 29165"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30048"

GAUGE HEIGHT 17'-03 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0	4,312.14	0	4,093.66	0	3,874.34	0	3,655.00	0	3,326.86	0	2,969.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,307.62	1/4	4,089.11	1/4	3,869.77	1/4	3,650.43	1/4	3,319.43	1/4	2,961.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,501.27	1/2	4,303.09	1/2	4,084.54	1/2	3,865.21	1/2	3,645.86	1/2	3,312.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,499.42	3/4	4,298.56	3/4	4,079.97	3/4	3,860.64	3/4	3,641.29	3/4	2,946.97
1		1		1		1		1	4,497.57	1	4,294.03	1	4,075.40	1	3,856.07	1	3,636.73	1	3,297.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,495.72	1/4	4,289.51	1/4	4,070.84	1/4	3,851.50	1/4	3,632.16	1/4	3,289.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,493.06	1/2	4,284.96	1/2	4,066.27	1/2	3,846.93	1/2	3,627.59	1/2	3,282.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,490.39	3/4	4,280.41	3/4	4,061.70	3/4	3,842.36	3/4	3,623.02	3/4	2,917.15
2		2		2		2		2	4,487.73	2	4,275.86	2	4,057.13	2	3,837.79	2	3,618.45	2	3,267.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,485.06	1/4	4,271.31	1/4	4,052.56	1/4	3,833.22	1/4	3,613.88	1/4	3,259.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,481.33	1/2	4,266.75	1/2	4,047.99	1/2	3,828.65	1/2	3,607.14	1/2	3,252.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,477.60	3/4	4,262.20	3/4	4,043.42	3/4	3,824.08	3/4	3,600.41	3/4	3,245.02
3		3		3		3		3	4,473.86	3	4,257.64	3	4,038.85	3	3,819.51	3	3,593.67	3	3,237.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,470.13	1/4	4,253.09	1/4	4,034.28	1/4	3,814.94	1/4	3,586.94	1/4	3,230.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,465.73	1/2	4,248.53	1/2	4,029.71	1/2	3,810.37	1/2	3,579.50	1/2	3,222.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,461.34	3/4	4,243.98	3/4	4,025.14	3/4	3,805.80	3/4	3,572.07	3/4	3,215.22
4		4		4		4		4	4,456.94	4	4,239.42	4	4,020.57	4	3,801.23	4	3,564.63	4	3,207.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,452.54	1/4	4,234.87	1/4	4,016.00	1/4	3,796.66	1/4	3,557.20	1/4	3,200.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,448.01	1/2	4,230.31	1/2	4,011.43	1/2	3,792.09	1/2	3,549.77	1/2	3,192.86
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,443.48	3/4	4,225.76	3/4	4,006.86	3/4	3,787.52	3/4	3,542.34	3/4	3,185.41
5		5		5		5		5	4,438.95	5	4,221.20	5	4,002.29	5	3,782.95	5	3,534.91	5	3,177.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,434.42	1/4	4,216.65	1/4	3,997.72	1/4	3,778.38	1/4	3,527.47	1/4	3,170.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,429.89	1/2	4,212.09	1/2	3,993.15	1/2	3,773.81	1/2	3,520.04	1/2	3,163.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,425.36	3/4	4,207.54	3/4	3,988.58	3/4	3,769.24	3/4	3,512.61	3/4	3,155.61
6		6		6		6		6	4,420.83	6	4,202.98	6	3,984.01	6	3,764.67	6	3,505.18	6	3,148.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,416.30	1/4	4,198.43	1/4	3,979.45	1/4	3,760.10	1/4	3,497.75	1/4	3,140.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,411.77	1/2	4,193.87	1/2	3,974.88	1/2	3,755.53	1/2	3,490.32	1/2	3,133.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,407.24	3/4	4,189.32	3/4	3,970.31	3/4	3,750.97	3/4	3,482.89	3/4	3,125.80
7		7		7		7		7	4,402.71	7	4,184.76	7	3,965.74	7	3,746.40	7	3,475.46	7	3,118.35
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,398.18	1/4	4,180.21	1/4	3,961.17	1/4	3,741.83	1/4	3,468.03	1/4	3,110.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,393.65	1/2	4,175.65	1/2	3,956.60	1/2	3,737.26	1/2	3,460.60	1/2	3,103.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,389.12	3/4	4,171.10	3/4	3,952.03	3/4	3,732.69	3/4	3,453.17	3/4	3,096.00
8		8		8		8		8	4,384.59	8	4,166.54	8	3,947.46	8	3,728.12	8	3,445.74	8	3,088.55
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,380.06	1/4	4,161.99	1/4	3,942.89	1/4	3,723.55	1/4	3,438.31	1/4	3,081.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,375.53	1/2	4,157.43	1/2	3,938.32	1/2	3,718.98	1/2	3,430.88	1/2	3,073.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,371.00	3/4	4,152.88	3/4	3,933.75	3/4	3,714.41	3/4	3,423.45	3/4	3,066.20
9		9		9		9		9	4,366.48	9	4,148.32	9	3,929.18	9	3,709.84	9	3,416.02	9	3,058.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,361.95	1/4	4,143.77	1/4	3,924.61	1/4	3,705.27	1/4	3,408.59	1/4	3,051.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,357.42	1/2	4,139.21	1/2	3,920.04	1/2	3,700.70	1/2	3,401.16	1/2	3,043.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,352.89	3/4	4,134.66	3/4	3,915.47	3/4	3,696.13	3/4	3,393.73	3/4	3,036.39
10		10		10		10		10	4,348.37	10	4,130.10	10	3,910.90	10	3,691.56	10	3,386.30	10	3,028.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,343.84	1/4	4,125.55	1/4	3,906.33	1/4	3,686.99	1/4	3,378.87	1/4	3,021.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,339.31	1/2	4,120.99	1/2	3,901.76	1/2	3,682.42	1/2	3,371.44	1/2	3,014.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,334.78	3/4	4,116.44	3/4	3,897.19	3/4	3,677.85	3/4	3,364.01	3/4	3,006.59
11		11		11		11		11	4,330.25	11	4,111.88	11	3,892.62	11	3,673.28	11	3,356.58	11	2,999.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,325.73	1/4	4,107.33	1/4	3,888.05	1/4	3,668.71	1/4	3,349.15	1/4	2,991.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,321.20	1/2	4,102.77	1/2	3,883.48	1/2	3,664.14	1/2	3,341.72	1/2	2,984.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,316.67	3/4	4,098.22	3/4	3,878.91	3/4	3,659.57	3/4	3,334.29	3/4	2,976.78

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" 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 29165"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30048"

GAUGE HEIGHT 17'-03 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	2,611.53	0	2,253.40	0	1,895.28	0	1,537.16	0	1,179.03	0	821.45	0	463.34	0	105.23	0		0	
1/4	2,604.06	1/4	2,245.94	1/4	1,887.82	1/4	1,529.69	1/4	1,171.57	1/4	814.00	1/4	455.88	1/4	97.77	1/4		1/4	
1/2	2,596.60	1/2	2,238.48	1/2	1,880.36	1/2	1,522.23	1/2	1,164.11	1/2	806.54	1/2	448.42	1/2	90.31	1/2		1/2	
3/4	2,589.14	3/4	2,231.02	3/4	1,872.90	3/4	1,514.77	3/4	1,156.65	3/4	799.08	3/4	440.96	3/4	82.85	3/4		3/4	
1	2,581.68	1	2,223.56	1	1,865.44	1	1,507.31	1	1,149.19	1	791.61	1	433.50	1	75.39	1		1	
1/4	2,574.22	1/4	2,216.10	1/4	1,857.97	1/4	1,499.85	1/4	1,141.73	1/4	784.15	1/4	426.04	1/4	67.93	1/4		1/4	
1/2	2,566.76	1/2	2,208.64	1/2	1,850.51	1/2	1,492.39	1/2	1,134.27	1/2	776.69	1/2	418.58	1/2	61.17	1/2		1/2	
3/4	2,559.30	3/4	2,201.18	3/4	1,843.05	3/4	1,484.93	3/4	1,126.82	3/4	769.23	3/4	411.12	3/4	54.40	3/4		3/4	
2	2,551.84	2	2,193.71	2	1,835.59	2	1,477.47	2	1,119.36	2	761.77	2	403.66	2	47.64	2		2	
1/4	2,544.38	1/4	2,186.25	1/4	1,828.13	1/4	1,470.01	1/4	1,111.91	1/4	754.31	1/4	396.20	1/4	40.88	1/4		1/4	
1/2	2,536.92	1/2	2,178.79	1/2	1,820.67	1/2	1,462.55	1/2	1,104.45	1/2	746.85	1/2	388.74	1/2	35.75	1/2		1/2	
3/4	2,529.46	3/4	2,171.33	3/4	1,813.21	3/4	1,455.09	3/4	1,097.00	3/4	739.39	3/4	381.28	3/4	30.62	3/4		3/4	
3	2,521.99	3	2,163.87	3	1,805.75	3	1,447.62	3	1,089.55	3	731.93	3	373.82	3	25.49	3		3	
1/4	2,514.53	1/4	2,156.41	1/4	1,798.29	1/4	1,440.16	1/4	1,082.10	1/4	724.47	1/4	366.35	1/4	20.36	1/4		1/4	
1/2	2,507.07	1/2	2,148.95	1/2	1,790.83	1/2	1,432.70	1/2	1,074.65	1/2	717.01	1/2	358.89	1/2		1/2		1/2	
3/4	2,499.61	3/4	2,141.49	3/4	1,783.37	3/4	1,425.24	3/4	1,067.20	3/4	709.55	3/4	351.43	3/4		3/4		3/4	
4	2,492.15	4	2,134.03	4	1,775.90	4	1,417.78	4	1,059.75	4	702.09	4	343.97	4	4	4		4	
1/4	2,484.69	1/4	2,126.57	1/4	1,768.44	1/4	1,410.32	1/4	1,052.30	1/4	694.63	1/4	336.51	1/4		1/4		1/4	
1/2	2,477.23	1/2	2,119.11	1/2	1,760.98	1/2	1,402.86	1/2	1,044.86	1/2	687.16	1/2	329.05	1/2		1/2		1/2	
3/4	2,469.77	3/4	2,111.64	3/4	1,753.52	3/4	1,395.40	3/4	1,037.41	3/4	679.70	3/4	321.59	3/4		3/4		3/4	
5	2,462.31	5	2,104.18	5	1,746.06	5	1,387.94	5	1,029.97	5	672.24	5	314.13	5	5	5		5	
1/4	2,454.85	1/4	2,096.72	1/4	1,738.60	1/4	1,380.48	1/4	1,022.52	1/4	664.78	1/4	306.67	1/4		1/4		1/4	
1/2	2,447.39	1/2	2,089.26	1/2	1,731.14	1/2	1,373.02	1/2	1,015.08	1/2	657.32	1/2	299.21	1/2		1/2		1/2	
3/4	2,439.92	3/4	2,081.80	3/4	1,723.68	3/4	1,365.55	3/4	1,007.63	3/4	649.86	3/4	291.75	3/4		3/4		3/4	
6	2,432.46	6	2,074.34	6	1,716.22	6	1,358.09	6	1,000.18	6	642.40	6	284.29	6	6	6		6	
1/4	2,425.00	1/4	2,066.88	1/4	1,708.76	1/4	1,350.63	1/4	992.74	1/4	634.94	1/4	276.83	1/4		1/4		1/4	
1/2	2,417.54	1/2	2,059.42	1/2	1,701.30	1/2	1,343.17	1/2	985.29	1/2	627.48	1/2	269.37	1/2		1/2		1/2	
3/4	2,410.08	3/4	2,051.96	3/4	1,693.83	3/4	1,335.71	3/4	977.85	3/4	620.02	3/4	261.90	3/4		3/4		3/4	
7	2,402.62	7	2,044.50	7	1,686.37	7	1,328.25	7	970.40	7	612.56	7	254.44	7	7	7		7	
1/4	2,395.16	1/4	2,037.04	1/4	1,678.91	1/4	1,320.79	1/4	962.96	1/4	605.10	1/4	246.98	1/4		1/4		1/4	
1/2	2,387.70	1/2	2,029.58	1/2	1,671.45	1/2	1,313.33	1/2	955.51	1/2	597.64	1/2	239.52	1/2		1/2		1/2	
3/4	2,380.24	3/4	2,022.11	3/4	1,663.99	3/4	1,305.87	3/4	948.07	3/4	590.18	3/4	232.06	3/4		3/4		3/4	
8	2,372.78	8	2,014.65	8	1,656.53	8	1,298.41	8	940.62	8	582.72	8	224.60	8	8	8		8	
1/4	2,365.32	1/4	2,007.19	1/4	1,649.07	1/4	1,290.95	1/4	933.17	1/4	575.25	1/4	217.14	1/4		1/4		1/4	
1/2	2,357.85	1/2	1,999.73	1/2	1,641.61	1/2	1,283.49	1/2	925.73	1/2	567.79	1/2	209.68	1/2		1/2		1/2	
3/4	2,350.39	3/4	1,992.27	3/4	1,634.15	3/4	1,276.02	3/4	918.28	3/4	560.33	3/4	202.22	3/4		3/4		3/4	
9	2,342.93	9	1,984.81	9	1,626.69	9	1,268.56	9	910.84	9	552.87	9	194.76	9	9	9		9	
1/4	2,335.47	1/4	1,977.35	1/4	1,619.23	1/4	1,261.10	1/4	903.39	1/4	545.41	1/4	187.30	1/4		1/4		1/4	
1/2	2,328.01	1/2	1,969.89	1/2	1,611.76	1/2	1,253.64	1/2	895.95	1/2	537.95	1/2	179.84	1/2		1/2		1/2	
3/4	2,320.55	3/4	1,962.43	3/4	1,604.30	3/4	1,246.18	3/4	888.50	3/4	530.49	3/4	172.38	3/4		3/4		3/4	
10	2,313.09	10	1,954.97	10	1,596.84	10	1,238.72	10	881.06	10	523.03	10	164.92	10	10	10		10	
1/4	2,305.63	1/4	1,947.51	1/4	1,589.38	1/4	1,231.26	1/4	873.61	1/4	515.57	1/4	157.46	1/4		1/4		1/4	
1/2	2,298.17	1/2	1,940.04	1/2	1,581.92	1/2	1,223.80	1/2	866.16	1/2	508.11	1/2	149.99	1/2		1/2		1/2	
3/4	2,290.71	3/4	1,932.58	3/4	1,574.46	3/4	1,216.34	3/4	858.72	3/4	500.65	3/4	142.53	3/4		3/4		3/4	
11	2,283.25	11	1,925.12	11	1,567.00	11	1,208.88	11	851.27	11	493.19	11	135.07	11	11	11		11	
1/4	2,275.78	1/4	1,917.66	1/4	1,559.54	1/4	1,201.42	1/4	843.83	1/4	485.73	1/4	127.61	1/4		1/4		1/4	
1/2	2,268.32	1/2	1,910.20	1/2	1,552.08	1/2	1,193.95	1/2	836.37	1/2	478.27	1/2	120.15	1/2		1/2		1/2	
3/4	2,260.86	3/4	1,902.74	3/4	1,544.62	3/4	1,186.49	3/4	828.91	3/4	470.80	3/4	112.69	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/17/2013 CL
NAME CHANGE: 08/07/2023 JS
VERIFIED: 08/07/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2023

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



BARGE "KIRBY 29165"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "SMI 30048"

GAUGE HEIGHT 4'-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	100	0	257	0	413	0	513	0		0		0		0		0	
1/4	1	1/4	103	1/4	260	1/4	416	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	106	1/2	263	1/2	419	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	109	3/4	267	3/4	422	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	112	1	270	1	424	1		1		1		1		1		1	
1/4	4	1/4	115	1/4	274	1/4	427	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5	1/2	118	1/2	277	1/2	430	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	6	3/4	121	3/4	280	3/4	433	3/4		3/4		3/4		3/4		3/4		3/4	
2	7	2	124	2	284	2	436	2		2		2		2		2		2	
1/4	9	1/4	128	1/4	287	1/4	438	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	10	1/2	131	1/2	291	1/2	441	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	134	3/4	294	3/4	444	3/4		3/4		3/4		3/4		3/4		3/4	
3	13	3	137	3	297	3	446	3		3		3		3		3		3	
1/4	15	1/4	140	1/4	301	1/4	449	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	17	1/2	143	1/2	304	1/2	452	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	19	3/4	147	3/4	307	3/4	454	3/4		3/4		3/4		3/4		3/4		3/4	
4	20	4	150	4	311	4	457	4		4		4		4		4		4	
1/4	22	1/4	153	1/4	314	1/4	459	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	24	1/2	156	1/2	317	1/2	462	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	26	3/4	159	3/4	321	3/4	464	3/4		3/4		3/4		3/4		3/4		3/4	
5	28	5	163	5	324	5	467	5		5		5		5		5		5	
1/4	31	1/4	166	1/4	327	1/4	469	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	33	1/2	169	1/2	331	1/2	471	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	35	3/4	172	3/4	334	3/4	474	3/4		3/4		3/4		3/4		3/4		3/4	
6	37	6	176	6	337	6	476	6		6		6		6		6		6	
1/4	39	1/4	179	1/4	341	1/4	478	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	42	1/2	182	1/2	344	1/2	480	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	44	3/4	186	3/4	347	3/4	483	3/4		3/4		3/4		3/4		3/4		3/4	
7	46	7	189	7	350	7	485	7		7		7		7		7		7	
1/4	49	1/4	192	1/4	354	1/4	487	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	51	1/2	196	1/2	357	1/2	489	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	54	3/4	199	3/4	360	3/4	491	3/4		3/4		3/4		3/4		3/4		3/4	
8	56	8	202	8	363	8	493	8		8		8		8		8		8	
1/4	59	1/4	206	1/4	367	1/4	494	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	61	1/2	209	1/2	370	1/2	496	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	64	3/4	212	3/4	373	3/4	498	3/4		3/4		3/4		3/4		3/4		3/4	
9	67	9	216	9	376	9	500	9		9		9		9		9		9	
1/4	69	1/4	219	1/4	379	1/4	501	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	72	1/2	223	1/2	382	1/2	503	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	75	3/4	226	3/4	385	3/4	504	3/4		3/4		3/4		3/4		3/4		3/4	
10	77	10	229	10	389	10	506	10		10		10		10		10		10	
1/4	80	1/4	233	1/4	392	1/4	507	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	83	1/2	236	1/2	395	1/2	508	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	86	3/4	240	3/4	398	3/4	509	3/4		3/4		3/4		3/4		3/4		3/4	
11	89	11	243	11	401	11	510	11		11		11		11		11		11	
1/4	92	1/4	246	1/4	404	1/4	511	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	95	1/2	250	1/2	407	1/2	512	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	97	3/4	253	3/4	410	3/4	512	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 TAKEN AT 2" DIAMETER STANDPIPE.

STRAPPED: 07/17/2013 CL
 NAME CHANGE: 08/07/2023 JS
 VERIFIED: 08/07/2023 JS

CANCELS AND SUPERCEDES
 ALL PRIOR TO 08/2023

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 29165"

SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "SMI 30048"

GAUGE HEIGHT 5'-09"

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	433	0	1,021	0	1,641	0	2,206	0		0	0	0	0	0	0	0	0
1/4	5	1/4	444	1/4	1,034	1/4	1,653	1/4	2,216	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	11	1/2	456	1/2	1,047	1/2	1,666	1/2	2,227	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	16	3/4	467	3/4	1,060	3/4	1,678	3/4	2,237	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	21	1	479	1	1,073	1	1,691	1	2,247	1		1	1	1	1	1	1	1	1
1/4	28	1/4	490	1/4	1,086	1/4	1,703	1/4	2,257	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	35	1/2	502	1/2	1,099	1/2	1,716	1/2	2,267	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	41	3/4	513	3/4	1,111	3/4	1,729	3/4	2,277	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	48	2	525	2	1,124	2	1,741	2	2,287	2		2	2	2	2	2	2	2	2
1/4	56	1/4	537	1/4	1,137	1/4	1,753	1/4	2,297	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	63	1/2	549	1/2	1,150	1/2	1,766	1/2	2,306	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71	3/4	560	3/4	1,163	3/4	1,778	3/4	2,316	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	78	3	572	3	1,176	3	1,791	3	2,326	3		3	3	3	3	3	3	3	3
1/4	86	1/4	584	1/4	1,189	1/4	1,803	1/4	2,335	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95	1/2	596	1/2	1,202	1/2	1,815	1/2	2,344	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	103	3/4	608	3/4	1,215	3/4	1,827	3/4	2,353	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	111	4	620	4	1,228	4	1,840	4	2,362	4		4	4	4	4	4	4	4	4
1/4	120	1/4	632	1/4	1,241	1/4	1,852	1/4	2,371	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	128	1/2	644	1/2	1,254	1/2	1,864	1/2	2,380	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	137	3/4	656	3/4	1,267	3/4	1,876	3/4	2,389	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	146	5	669	5	1,280	5	1,888	5	2,397	5		5	5	5	5	5	5	5	5
1/4	155	1/4	681	1/4	1,293	1/4	1,900	1/4	2,406	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164	1/2	693	1/2	1,306	1/2	1,912	1/2	2,414	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	173	3/4	705	3/4	1,319	3/4	1,924	3/4	2,422	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	183	6	718	6	1,332	6	1,936	6	2,430	6		6	6	6	6	6	6	6	6
1/4	192	1/4	730	1/4	1,345	1/4	1,948	1/4	2,438	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	202	1/2	742	1/2	1,358	1/2	1,960	1/2	2,445	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	211	3/4	755	3/4	1,371	3/4	1,971	3/4	2,453	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	221	7	767	7	1,384	7	1,983	7	2,460	7		7	7	7	7	7	7	7	7
1/4	231	1/4	780	1/4	1,397	1/4	1,995	1/4	2,467	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	241	1/2	792	1/2	1,410	1/2	2,006	1/2	2,473	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	251	3/4	805	3/4	1,423	3/4	2,018	3/4	2,480	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	261	8	817	8	1,436	8	2,030	8	2,487	8		8	8	8	8	8	8	8	8
1/4	271	1/4	830	1/4	1,449	1/4	2,041	1/4	2,492	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	282	1/2	843	1/2	1,461	1/2	2,052	1/2	2,498	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	292	3/4	855	3/4	1,474	3/4	2,064	3/4	2,503	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	302	9	868	9	1,487	9	2,075	9	2,508	9		9	9	9	9	9	9	9	9
1/4	313	1/4	880	1/4	1,500	1/4	2,086	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	324	1/2	893	1/2	1,513	1/2	2,098	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	334	3/4	906	3/4	1,526	3/4	2,109	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	345	10	919	10	1,539	10	2,120	10		10		10	10	10	10	10	10	10	10
1/4	356	1/4	931	1/4	1,551	1/4	2,131	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	367	1/2	944	1/2	1,564	1/2	2,142	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	378	3/4	957	3/4	1,577	3/4	2,153	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	388	11	970	11	1,590	11	2,163	11		11		11	11	11	11	11	11	11	11
1/4	400	1/4	983	1/4	1,602	1/4	2,174	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	411	1/2	995	1/2	1,615	1/2	2,185	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	422	3/4	1,008	3/4	1,628	3/4	2,195	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

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STRAPPED: 07/12/2013 SW
NAME CHANGE: 08/07/2023 JS
VERIFIED: 08/07/2023 JS

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