



BARGE "KIRBY 29164"

ULLAGE (HERMETIC)

FORMERLY "SMS 30047"

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
2 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	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 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 235'-09"

May 11, 2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29164"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SIM 30047"

GAUGE HEIGHT 17'-03 3/4"

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

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 DEVICE".
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "KIRBY 29164"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30047"

GAUGE HEIGHT 17'-03 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	2,563.78	0	2,205.30	0	1,846.83	0	1,488.36	0	1,129.90	0	773.58	0	416.81	0	96.38	0		0	
1/4	2,556.31	1/4	2,197.83	1/4	1,839.36	1/4	1,480.89	1/4	1,122.46	1/4	766.13	1/4	409.63	1/4	90.26	1/4		1/4	
1/2	2,548.84	1/2	2,190.37	1/2	1,831.89	1/2	1,473.42	1/2	1,115.01	1/2	758.67	1/2	402.45	1/2	84.13	1/2		1/2	
3/4	2,541.37	3/4	2,182.90	3/4	1,824.42	3/4	1,465.95	3/4	1,107.57	3/4	751.22	3/4	395.27	3/4	78.01	3/4		3/4	
1	2,533.90	1	2,175.43	1	1,816.96	1	1,458.48	1	1,100.13	1	743.75	1	388.17	1	71.97	1		1	
1/4	2,526.43	1/4	2,167.96	1/4	1,809.49	1/4	1,451.01	1/4	1,092.69	1/4	736.28	1/4	381.08	1/4	65.93	1/4		1/4	
1/2	2,518.97	1/2	2,160.49	1/2	1,802.02	1/2	1,443.55	1/2	1,085.25	1/2	728.81	1/2	373.98	1/2	59.90	1/2		1/2	
3/4	2,511.50	3/4	2,153.02	3/4	1,794.55	3/4	1,436.08	3/4	1,077.81	3/4	721.34	3/4	366.89	3/4	53.86	3/4		3/4	
2	2,504.03	2	2,145.56	2	1,787.08	2	1,428.61	2	1,070.38	2	713.88	2	359.88	2	48.61	2		2	
1/4	2,496.56	1/4	2,138.09	1/4	1,779.61	1/4	1,421.14	1/4	1,062.96	1/4	706.41	1/4	352.88	1/4	43.36	1/4		1/4	
1/2	2,489.09	1/2	2,130.62	1/2	1,772.15	1/2	1,413.67	1/2	1,055.53	1/2	698.94	1/2	345.87	1/2	38.11	1/2		1/2	
3/4	2,481.63	3/4	2,123.15	3/4	1,764.68	3/4	1,406.20	3/4	1,048.10	3/4	691.47	3/4	338.87	3/4	32.86	3/4		3/4	
3	2,474.16	3	2,115.68	3	1,757.21	3	1,398.74	3	1,040.67	3	684.01	3	331.95	3	29.34	3		3	
1/4	2,466.69	1/4	2,108.22	1/4	1,749.74	1/4	1,391.27	1/4	1,033.25	1/4	676.54	1/4	325.03	1/4	25.81	1/4		1/4	
1/2	2,459.22	1/2	2,100.75	1/2	1,742.27	1/2	1,383.80	1/2	1,025.82	1/2	669.07	1/2	318.11	1/2	22.28	1/2		1/2	
3/4	2,451.75	3/4	2,093.28	3/4	1,734.81	3/4	1,376.33	3/4	1,018.40	3/4	661.60	3/4	311.20	3/4	18.75	3/4		3/4	
4	2,444.28	4	2,085.81	4	1,727.34	4	1,368.86	4	1,010.98	4	654.13	4	304.37	4		4		4	
1/4	2,436.82	1/4	2,078.34	1/4	1,719.87	1/4	1,361.40	1/4	1,003.56	1/4	646.67	1/4	297.54	1/4		1/4		1/4	
1/2	2,429.35	1/2	2,070.87	1/2	1,712.40	1/2	1,353.93	1/2	996.14	1/2	639.20	1/2	290.71	1/2		1/2		1/2	
3/4	2,421.88	3/4	2,063.41	3/4	1,704.93	3/4	1,346.46	3/4	988.72	3/4	631.73	3/4	283.88	3/4		3/4		3/4	
5	2,414.41	5	2,055.94	5	1,697.46	5	1,338.99	5	981.31	5	624.26	5	277.14	5		5		5	
1/4	2,406.94	1/4	2,048.47	1/4	1,690.00	1/4	1,331.52	1/4	973.89	1/4	616.79	1/4	270.39	1/4		1/4		1/4	
1/2	2,399.48	1/2	2,041.00	1/2	1,682.53	1/2	1,324.05	1/2	966.47	1/2	609.33	1/2	263.65	1/2		1/2		1/2	
3/4	2,392.01	3/4	2,033.53	3/4	1,675.06	3/4	1,316.59	3/4	959.05	3/4	601.86	3/4	256.91	3/4		3/4		3/4	
6	2,384.54	6	2,026.07	6	1,667.59	6	1,309.12	6	951.64	6	594.39	6	250.26	6		6		6	
1/4	2,377.07	1/4	2,018.60	1/4	1,660.12	1/4	1,301.65	1/4	944.22	1/4	586.92	1/4	243.60	1/4		1/4		1/4	
1/2	2,369.60	1/2	2,011.13	1/2	1,652.66	1/2	1,294.18	1/2	936.80	1/2	579.45	1/2	236.95	1/2		1/2		1/2	
3/4	2,362.13	3/4	2,003.66	3/4	1,645.19	3/4	1,286.71	3/4	929.39	3/4	571.99	3/4	230.30	3/4		3/4		3/4	
7	2,354.67	7	1,996.19	7	1,637.72	7	1,279.25	7	921.97	7	564.52	7	223.73	7		7		7	
1/4	2,347.20	1/4	1,988.72	1/4	1,630.25	1/4	1,271.78	1/4	914.55	1/4	557.05	1/4	217.17	1/4		1/4		1/4	
1/2	2,339.73	1/2	1,981.26	1/2	1,622.78	1/2	1,264.31	1/2	907.13	1/2	549.58	1/2	210.60	1/2		1/2		1/2	
3/4	2,332.26	3/4	1,973.79	3/4	1,615.31	3/4	1,256.84	3/4	899.72	3/4	542.12	3/4	204.04	3/4		3/4		3/4	
8	2,324.79	8	1,966.32	8	1,607.85	8	1,249.37	8	892.30	8	534.65	8	197.56	8		8		8	
1/4	2,317.33	1/4	1,958.85	1/4	1,600.38	1/4	1,241.90	1/4	884.88	1/4	527.18	1/4	191.08	1/4		1/4		1/4	
1/2	2,309.86	1/2	1,951.38	1/2	1,592.91	1/2	1,234.44	1/2	877.46	1/2	519.71	1/2	184.60	1/2		1/2		1/2	
3/4	2,302.39	3/4	1,943.92	3/4	1,585.44	3/4	1,226.97	3/4	870.05	3/4	512.24	3/4	178.13	3/4		3/4		3/4	
9	2,294.92	9	1,936.45	9	1,577.97	9	1,219.50	9	862.63	9	504.81	9	171.74	9		9		9	
1/4	2,287.45	1/4	1,928.98	1/4	1,570.51	1/4	1,212.03	1/4	855.21	1/4	497.37	1/4	165.35	1/4		1/4		1/4	
1/2	2,279.98	1/2	1,921.51	1/2	1,563.04	1/2	1,204.56	1/2	847.80	1/2	489.94	1/2	158.96	1/2		1/2		1/2	
3/4	2,272.52	3/4	1,914.04	3/4	1,555.57	3/4	1,197.10	3/4	840.38	3/4	482.50	3/4	152.57	3/4		3/4		3/4	
10	2,265.05	10	1,906.57	10	1,548.10	10	1,189.63	10	832.96	10	475.15	10	146.27	10		10		10	
1/4	2,257.58	1/4	1,899.11	1/4	1,540.63	1/4	1,182.16	1/4	825.54	1/4	467.79	1/4	139.97	1/4		1/4		1/4	
1/2	2,250.11	1/2	1,891.64	1/2	1,533.16	1/2	1,174.69	1/2	818.13	1/2	460.43	1/2	133.66	1/2		1/2		1/2	
3/4	2,242.64	3/4	1,884.17	3/4	1,525.70	3/4	1,167.22	3/4	810.71	3/4	453.07	3/4	127.36	3/4		3/4		3/4	
11	2,235.18	11	1,876.70	11	1,518.23	11	1,159.75	11	803.29	11	445.80	11	121.15	11		11		11	
1/4	2,227.71	1/4	1,869.23	1/4	1,510.76	1/4	1,152.29	1/4	795.87	1/4	438.53	1/4	114.94	1/4		1/4		1/4	
1/2	2,220.24	1/2	1,861.77	1/2	1,503.29	1/2	1,144.82	1/2	788.46	1/2	431.26	1/2	108.72	1/2		1/2		1/2	
3/4	2,212.77	3/4	1,854.30	3/4	1,495.82	3/4	1,137.35	3/4	781.04	3/4	423.99	3/4	102.51	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/12/2013 SW
RECALCULATED: 05/12/2023 JS
NAME CHANGE: 05/12/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2023

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



BARGE "KIRBY 29164"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SIM 30047"

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

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 DEVICE".
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" 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 29164"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30047"

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	2,572.87	0	2,214.40	0	1,855.93	0	1,497.46	0	1,139.00	0	781.01	0	423.99	0	102.51	0		0	
1/4	2,565.40	1/4	2,206.93	1/4	1,848.46	1/4	1,490.00	1/4	1,131.53	1/4	773.54	1/4	416.81	1/4	96.38	1/4		1/4	
1/2	2,557.93	1/2	2,199.47	1/2	1,841.00	1/2	1,482.53	1/2	1,124.06	1/2	766.08	1/2	409.63	1/2	90.26	1/2		1/2	
3/4	2,550.47	3/4	2,192.00	3/4	1,833.53	3/4	1,475.06	3/4	1,116.59	3/4	758.62	3/4	402.44	3/4	84.13	3/4		3/4	
1	2,543.00	1	2,184.53	1	1,826.06	1	1,467.59	1	1,109.12	1	751.15	1	395.26	1	78.01	1		1	
1/4	2,535.53	1/4	2,177.06	1/4	1,818.59	1/4	1,460.12	1/4	1,101.65	1/4	743.68	1/4	388.17	1/4	71.97	1/4		1/4	
1/2	2,528.06	1/2	2,169.59	1/2	1,811.12	1/2	1,452.66	1/2	1,094.19	1/2	736.22	1/2	381.08	1/2	65.93	1/2		1/2	
3/4	2,520.59	3/4	2,162.12	3/4	1,803.66	3/4	1,445.19	3/4	1,086.72	3/4	728.75	3/4	373.98	3/4	59.89	3/4		3/4	
2	2,513.13	2	2,154.66	2	1,796.19	2	1,437.72	2	1,079.25	2	721.28	2	366.89	2	53.86	2		2	
1/4	2,505.66	1/4	2,147.19	1/4	1,788.72	1/4	1,430.25	1/4	1,071.79	1/4	713.81	1/4	359.88	1/4	48.61	1/4		1/4	
1/2	2,498.19	1/2	2,139.72	1/2	1,781.25	1/2	1,422.78	1/2	1,064.32	1/2	706.34	1/2	352.88	1/2	43.36	1/2		1/2	
3/4	2,490.72	3/4	2,132.25	3/4	1,773.78	3/4	1,415.31	3/4	1,056.86	3/4	698.88	3/4	345.87	3/4	38.11	3/4		3/4	
3	2,483.25	3	2,124.78	3	1,766.32	3	1,407.85	3	1,049.40	3	691.41	3	338.86	3	32.86	3		3	
1/4	2,475.78	1/4	2,117.32	1/4	1,758.85	1/4	1,400.38	1/4	1,041.94	1/4	683.94	1/4	331.95	1/4	29.33	1/4		1/4	
1/2	2,468.32	1/2	2,109.85	1/2	1,751.38	1/2	1,392.91	1/2	1,034.47	1/2	676.47	1/2	325.03	1/2	25.81	1/2		1/2	
3/4	2,460.85	3/4	2,102.38	3/4	1,743.91	3/4	1,385.44	3/4	1,027.01	3/4	669.00	3/4	318.11	3/4	22.28	3/4		3/4	
4	2,453.38	4	2,094.91	4	1,736.44	4	1,377.97	4	1,019.55	4	661.54	4	311.19	4	18.75	4		4	
1/4	2,445.91	1/4	2,087.44	1/4	1,728.97	1/4	1,370.51	1/4	1,012.10	1/4	654.07	1/4	304.36	1/4		1/4		1/4	
1/2	2,438.44	1/2	2,079.98	1/2	1,721.51	1/2	1,363.04	1/2	1,004.64	1/2	646.60	1/2	297.53	1/2		1/2		1/2	
3/4	2,430.98	3/4	2,072.51	3/4	1,714.04	3/4	1,355.57	3/4	997.18	3/4	639.13	3/4	290.70	3/4		3/4		3/4	
5	2,423.51	5	2,065.04	5	1,706.57	5	1,348.10	5	989.73	5	631.67	5	283.88	5		5		5	
1/4	2,416.04	1/4	2,057.57	1/4	1,699.10	1/4	1,340.63	1/4	982.27	1/4	624.20	1/4	277.13	1/4		1/4		1/4	
1/2	2,408.57	1/2	2,050.10	1/2	1,691.63	1/2	1,333.17	1/2	974.82	1/2	616.73	1/2	270.39	1/2		1/2		1/2	
3/4	2,401.10	3/4	2,042.64	3/4	1,684.17	3/4	1,325.70	3/4	967.36	3/4	609.26	3/4	263.65	3/4		3/4		3/4	
6	2,393.64	6	2,035.17	6	1,676.70	6	1,318.23	6	959.91	6	601.79	6	256.91	6		6		6	
1/4	2,386.17	1/4	2,027.70	1/4	1,669.23	1/4	1,310.76	1/4	952.46	1/4	594.33	1/4	250.26	1/4		1/4		1/4	
1/2	2,378.70	1/2	2,020.23	1/2	1,661.76	1/2	1,303.29	1/2	945.00	1/2	586.86	1/2	243.60	1/2		1/2		1/2	
3/4	2,371.23	3/4	2,012.76	3/4	1,654.29	3/4	1,295.83	3/4	937.55	3/4	579.39	3/4	236.95	3/4		3/4		3/4	
7	2,363.76	7	2,005.29	7	1,646.83	7	1,288.36	7	930.09	7	571.92	7	230.29	7		7		7	
1/4	2,356.30	1/4	1,997.83	1/4	1,639.36	1/4	1,280.89	1/4	922.64	1/4	564.46	1/4	223.73	1/4		1/4		1/4	
1/2	2,348.83	1/2	1,990.36	1/2	1,631.89	1/2	1,273.42	1/2	915.19	1/2	557.00	1/2	217.16	1/2		1/2		1/2	
3/4	2,341.36	3/4	1,982.89	3/4	1,624.42	3/4	1,265.95	3/4	907.73	3/4	549.54	3/4	210.60	3/4		3/4		3/4	
8	2,333.89	8	1,975.42	8	1,616.95	8	1,258.48	8	900.28	8	542.07	8	204.03	8		8		8	
1/4	2,326.42	1/4	1,967.95	1/4	1,609.49	1/4	1,251.02	1/4	892.82	1/4	534.61	1/4	197.56	1/4		1/4		1/4	
1/2	2,318.95	1/2	1,960.49	1/2	1,602.02	1/2	1,243.55	1/2	885.37	1/2	527.15	1/2	191.08	1/2		1/2		1/2	
3/4	2,311.49	3/4	1,953.02	3/4	1,594.55	3/4	1,236.08	3/4	877.91	3/4	519.69	3/4	184.60	3/4		3/4		3/4	
9	2,304.02	9	1,945.55	9	1,587.08	9	1,228.61	9	870.46	9	512.23	9	178.12	9		9		9	
1/4	2,296.55	1/4	1,938.08	1/4	1,579.61	1/4	1,221.14	1/4	863.01	1/4	504.80	1/4	171.73	1/4		1/4		1/4	
1/2	2,289.08	1/2	1,930.61	1/2	1,572.14	1/2	1,213.68	1/2	855.55	1/2	497.37	1/2	165.34	1/2		1/2		1/2	
3/4	2,281.61	3/4	1,923.15	3/4	1,564.68	3/4	1,206.21	3/4	848.10	3/4	489.93	3/4	158.95	3/4		3/4		3/4	
10	2,274.15	10	1,915.68	10	1,557.21	10	1,198.74	10	840.64	10	482.50	10	152.57	10		10		10	
1/4	2,266.68	1/4	1,908.21	1/4	1,549.74	1/4	1,191.27	1/4	833.19	1/4	475.14	1/4	146.26	1/4		1/4		1/4	
1/2	2,259.21	1/2	1,900.74	1/2	1,542.27	1/2	1,183.80	1/2	825.73	1/2	467.79	1/2	139.96	1/2		1/2		1/2	
3/4	2,251.74	3/4	1,893.27	3/4	1,534.80	3/4	1,176.34	3/4	818.28	3/4	460.43	3/4	133.66	3/4		3/4		3/4	
11	2,244.27	11	1,885.81	11	1,527.34	11	1,168.87	11	810.83	11	453.07	11	127.36	11		11		11	
1/4	2,236.81	1/4	1,878.34	1/4	1,519.87	1/4	1,161.40	1/4	803.37	1/4	445.80	1/4	121.15	1/4		1/4		1/4	
1/2	2,229.34	1/2	1,870.87	1/2	1,512.40	1/2	1,153.93	1/2	795.92	1/2	438.53	1/2	114.93	1/2		1/2		1/2	
3/4	2,221.87	3/4	1,863.40	3/4	1,504.93	3/4	1,146.46	3/4	788.46	3/4	431.26	3/4	108.72	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/12/2013 SW
RECALCULATED: 05/12/2023 JS
NAME CHANGE: 05/12/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2023

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



BARGE "KIRBY 29164"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SIM 30047"

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	4,763.17	0	4,405.68	0	4,046.95	0	3,688.15	0	3,329.34	0	2,970.53		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,755.75	1/4	4,398.23	1/4	4,039.48	1/4	3,680.67	1/4	3,321.87	1/4	2,963.06		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,748.34	1/2	4,390.78	1/2	4,032.00	1/2	3,673.20	1/2	3,314.39	1/2	2,955.58		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,076.85	3/4	4,740.92	3/4	4,383.31	3/4	4,024.53	3/4	3,665.72	3/4	3,306.92	3/4	2,948.10
1		1		1		1		1	5,072.37	1	4,733.51	1	4,375.84	1	4,017.05	1	3,658.25	1	3,299.44	1	2,940.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,067.89	1/4	4,726.10	1/4	4,368.37	1/4	4,009.58	1/4	3,650.77	1/4	3,291.97	1/4	2,933.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,063.41	1/2	4,718.68	1/2	4,360.91	1/2	4,002.10	1/2	3,643.30	1/2	3,284.49	1/2	2,925.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,057.86	3/4	4,711.24	3/4	4,353.43	3/4	3,994.63	3/4	3,635.82	3/4	3,277.02	3/4	2,918.19
2		2		2		2		2	5,052.32	2	4,703.80	2	4,345.96	2	3,987.15	2	3,628.35	2	3,269.54	2	2,910.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,046.77	1/4	4,696.36	1/4	4,338.48	1/4	3,979.68	1/4	3,620.87	1/4	3,262.07	1/4	2,903.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,041.22	1/2	4,688.91	1/2	4,331.01	1/2	3,972.20	1/2	3,613.40	1/2	3,254.59	1/2	2,895.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,034.61	3/4	4,681.46	3/4	4,323.53	3/4	3,964.73	3/4	3,605.92	3/4	3,247.12	3/4	2,888.27
3		3		3		3		3	5,027.99	3	4,674.01	3	4,316.06	3	3,957.25	3	3,598.45	3	3,239.64	3	2,880.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,021.38	1/4	4,666.55	1/4	4,308.58	1/4	3,949.78	1/4	3,590.97	1/4	3,232.17	1/4	2,873.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,014.76	1/2	4,659.10	1/2	4,301.11	1/2	3,942.30	1/2	3,583.50	1/2	3,224.69	1/2	2,865.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,007.48	3/4	4,651.65	3/4	4,293.63	3/4	3,934.83	3/4	3,576.02	3/4	3,217.22	3/4	2,858.35
4		4		4		4		4	5,000.19	4	4,644.19	4	4,286.16	4	3,927.35	4	3,568.55	4	3,209.74	4	2,850.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,992.91	1/4	4,636.74	1/4	4,278.68	1/4	3,919.88	1/4	3,561.07	1/4	3,202.27	1/4	2,843.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,985.63	1/2	4,629.29	1/2	4,271.21	1/2	3,912.40	1/2	3,553.60	1/2	3,194.79	1/2	2,835.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,978.21	3/4	4,621.83	3/4	4,263.73	3/4	3,904.93	3/4	3,546.12	3/4	3,187.32	3/4	2,828.44
5		5		5		5		5	4,970.79	5	4,614.38	5	4,256.26	5	3,897.45	5	3,538.65	5	3,179.84	5	2,820.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,963.37	1/4	4,606.92	1/4	4,248.78	1/4	3,889.98	1/4	3,531.17	1/4	3,172.37	1/4	2,813.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,955.96	1/2	4,599.47	1/2	4,241.31	1/2	3,882.50	1/2	3,523.70	1/2	3,164.89	1/2	2,806.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,948.54	3/4	4,592.02	3/4	4,233.83	3/4	3,875.03	3/4	3,516.22	3/4	3,157.42	3/4	2,798.52
6		6		6		6		6	4,941.12	6	4,584.56	6	4,226.35	6	3,867.55	6	3,508.75	6	3,149.94	6	2,791.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,933.70	1/4	4,577.11	1/4	4,218.88	1/4	3,860.08	1/4	3,501.27	1/4	3,142.47	1/4	2,783.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,926.29	1/2	4,569.66	1/2	4,211.40	1/2	3,852.60	1/2	3,493.80	1/2	3,134.99	1/2	2,776.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,918.87	3/4	4,562.20	3/4	4,203.93	3/4	3,845.12	3/4	3,486.32	3/4	3,127.52	3/4	2,768.60
7		7		7		7		7	4,911.45	7	4,554.75	7	4,196.45	7	3,837.65	7	3,478.84	7	3,120.04	7	2,761.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,904.03	1/4	4,547.30	1/4	4,188.98	1/4	3,830.17	1/4	3,471.37	1/4	3,112.56	1/4	2,753.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,896.61	1/2	4,539.84	1/2	4,181.50	1/2	3,822.70	1/2	3,463.89	1/2	3,105.09	1/2	2,746.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,889.20	3/4	4,532.39	3/4	4,174.03	3/4	3,815.22	3/4	3,456.42	3/4	3,097.61	3/4	2,738.69
8		8		8		8		8	4,881.79	8	4,524.94	8	4,166.55	8	3,807.75	8	3,448.94	8	3,090.14	8	2,731.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,874.37	1/4	4,517.48	1/4	4,159.08	1/4	3,800.27	1/4	3,441.47	1/4	3,082.66	1/4	2,723.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,866.96	1/2	4,510.03	1/2	4,151.60	1/2	3,792.80	1/2	3,433.99	1/2	3,075.19	1/2	2,716.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,859.54	3/4	4,502.58	3/4	4,144.13	3/4	3,785.32	3/4	3,426.52	3/4	3,067.71	3/4	2,708.77
9		9		9		9		9	4,852.13	9	4,495.12	9	4,136.65	9	3,777.85	9	3,419.04	9	3,060.24	9	2,701.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,844.71	1/4	4,487.67	1/4	4,129.18	1/4	3,770.37	1/4	3,411.57	1/4	3,052.76	1/4	2,693.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,837.30	1/2	4,480.22	1/2	4,121.70	1/2	3,762.90	1/2	3,404.09	1/2	3,045.29	1/2	2,686.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,829.89	3/4	4,472.76	3/4	4,114.23	3/4	3,755.42	3/4	3,396.62	3/4	3,037.81	3/4	2,678.85
10		10		10		10		10	4,822.47	10	4,465.31	10	4,106.75	10	3,747.95	10	3,389.14	10	3,030.34	10	2,671.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,815.06	1/4	4,457.86	1/4	4,099.28	1/4	3,740.47	1/4	3,381.67	1/4	3,022.86	1/4	2,663.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,807.65	1/2	4,450.40	1/2	4,091.80	1/2	3,733.00	1/2	3,374.19	1/2	3,015.39	1/2	2,656.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,800.23	3/4	4,442.95	3/4	4,084.33	3/4	3,725.52	3/4	3,366.72	3/4	3,007.91	3/4	2,648.94
11		11		11		11		11	4,792.82	11	4,435.50	11	4,076.85	11	3,718.05	11	3,359.24	11	3,000.44	11	2,641.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,785.41	1/4	4,428.04	1/4	4,069.38	1/4	3,710.57	1/4	3,351.77	1/4	2,992.96	1/4	2,633.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,777.99	1/2	4,420.59	1/2	4,061.90	1/2	3,703.10	1/2	3,344.29	1/2	2,985.49	1/2	2,626.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,770.58	3/4	4,413.14	3/4	4,054.43	3/4	3,695.62	3/4	3,336.82	3/4	2,978.01	3/4	2,619.02

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 DEVICE".
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29164"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30047"

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	2,611.54	0	2,252.55	0	1,893.55	0	1,534.55	0	1,175.98	0	830.78	0	471.94	0	112.96	0		0	
1/4	2,604.06	1/4	2,245.07	1/4	1,886.07	1/4	1,527.07	1/4	1,168.71	1/4	823.38	1/4	464.47	1/4	105.48	1/4		1/4	
1/2	2,596.58	1/2	2,237.59	1/2	1,878.59	1/2	1,519.59	1/2	1,161.45	1/2	815.97	1/2	456.99	1/2	98.00	1/2		1/2	
3/4	2,589.11	3/4	2,230.11	3/4	1,871.11	3/4	1,512.12	3/4	1,154.25	3/4	808.50	3/4	449.51	3/4	90.52	3/4		3/4	
1	2,581.63	1	2,222.63	1	1,863.63	1	1,504.64	1	1,147.05	1	801.02	1	442.03	1	83.04	1		1	
1/4	2,574.15	1/4	2,215.15	1/4	1,856.15	1/4	1,497.16	1/4	1,139.86	1/4	793.54	1/4	434.55	1/4	75.56	1/4		1/4	
1/2	2,566.67	1/2	2,207.67	1/2	1,848.67	1/2	1,489.68	1/2	1,132.66	1/2	786.06	1/2	427.07	1/2	68.08	1/2		1/2	
3/4	2,559.19	3/4	2,200.19	3/4	1,841.20	3/4	1,482.20	3/4	1,125.47	3/4	778.58	3/4	419.59	3/4	61.31	3/4		3/4	
2	2,551.71	2	2,192.71	2	1,833.72	2	1,474.72	2	1,118.29	2	771.10	2	412.11	2	54.53	2		2	
1/4	2,544.23	1/4	2,185.23	1/4	1,826.24	1/4	1,467.24	1/4	1,111.10	1/4	763.62	1/4	404.63	1/4	47.75	1/4		1/4	
1/2	2,536.75	1/2	2,177.76	1/2	1,818.76	1/2	1,459.76	1/2	1,103.92	1/2	756.14	1/2	397.16	1/2	40.97	1/2		1/2	
3/4	2,529.27	3/4	2,170.28	3/4	1,811.28	3/4	1,452.28	3/4	1,096.73	3/4	748.66	3/4	389.68	3/4	35.83	3/4		3/4	
3	2,521.79	3	2,162.80	3	1,803.80	3	1,444.80	3	1,089.55	3	741.19	3	382.20	3	30.69	3		3	
1/4	2,514.31	1/4	2,155.32	1/4	1,796.32	1/4	1,437.32	1/4	1,082.37	1/4	733.71	1/4	374.72	1/4	25.55	1/4		1/4	
1/2	2,506.84	1/2	2,147.84	1/2	1,788.84	1/2	1,429.85	1/2	1,075.19	1/2	726.23	1/2	367.24	1/2	20.41	1/2		1/2	
3/4	2,499.36	3/4	2,140.36	3/4	1,781.36	3/4	1,422.37	3/4	1,068.01	3/4	718.75	3/4	359.76	3/4		3/4		3/4	
4	2,491.88	4	2,132.88	4	1,773.88	4	1,414.89	4	1,060.83	4	711.27	4	352.28	4		4		4	
1/4	2,484.40	1/4	2,125.40	1/4	1,766.40	1/4	1,407.41	1/4	1,053.66	1/4	703.79	1/4	344.80	1/4		1/4		1/4	
1/2	2,476.92	1/2	2,117.92	1/2	1,758.93	1/2	1,399.93	1/2	1,046.48	1/2	696.31	1/2	337.32	1/2		1/2		1/2	
3/4	2,469.44	3/4	2,110.44	3/4	1,751.45	3/4	1,392.45	3/4	1,039.31	3/4	688.83	3/4	329.85	3/4		3/4		3/4	
5	2,461.96	5	2,102.96	5	1,743.97	5	1,384.97	5	1,032.13	5	681.35	5	322.37	5	5	5		5	
1/4	2,454.48	1/4	2,095.48	1/4	1,736.49	1/4	1,377.49	1/4	1,024.96	1/4	673.88	1/4	314.89	1/4		1/4		1/4	
1/2	2,447.00	1/2	2,088.01	1/2	1,729.01	1/2	1,370.01	1/2	1,017.78	1/2	666.40	1/2	307.41	1/2		1/2		1/2	
3/4	2,439.52	3/4	2,080.53	3/4	1,721.53	3/4	1,362.53	3/4	1,010.61	3/4	658.92	3/4	299.93	3/4		3/4		3/4	
6	2,432.04	6	2,073.05	6	1,714.05	6	1,355.05	6	1,003.43	6	651.44	6	292.45	6	6	6		6	
1/4	2,424.57	1/4	2,065.57	1/4	1,706.57	1/4	1,347.57	1/4	996.26	1/4	643.96	1/4	284.97	1/4		1/4		1/4	
1/2	2,417.09	1/2	2,058.09	1/2	1,699.09	1/2	1,340.10	1/2	989.08	1/2	636.48	1/2	277.49	1/2		1/2		1/2	
3/4	2,409.61	3/4	2,050.61	3/4	1,691.61	3/4	1,332.62	3/4	981.91	3/4	629.00	3/4	270.01	3/4		3/4		3/4	
7	2,402.13	7	2,043.13	7	1,684.13	7	1,325.14	7	974.73	7	621.52	7	262.54	7	7	7		7	
1/4	2,394.65	1/4	2,035.65	1/4	1,676.66	1/4	1,317.66	1/4	967.56	1/4	614.04	1/4	255.06	1/4		1/4		1/4	
1/2	2,387.17	1/2	2,028.17	1/2	1,669.18	1/2	1,310.18	1/2	960.38	1/2	606.57	1/2	247.58	1/2		1/2		1/2	
3/4	2,379.69	3/4	2,020.69	3/4	1,661.70	3/4	1,302.70	3/4	953.21	3/4	599.09	3/4	240.10	3/4		3/4		3/4	
8	2,372.21	8	2,013.21	8	1,654.22	8	1,295.22	8	946.03	8	591.61	8	232.62	8	8	8		8	
1/4	2,364.73	1/4	2,005.74	1/4	1,646.74	1/4	1,287.74	1/4	938.86	1/4	584.13	1/4	225.14	1/4		1/4		1/4	
1/2	2,357.25	1/2	1,998.26	1/2	1,639.26	1/2	1,280.26	1/2	931.68	1/2	576.65	1/2	217.66	1/2		1/2		1/2	
3/4	2,349.77	3/4	1,990.78	3/4	1,631.78	3/4	1,272.78	3/4	924.51	3/4	569.17	3/4	210.18	3/4		3/4		3/4	
9	2,342.30	9	1,983.30	9	1,624.30	9	1,265.30	9	917.33	9	561.69	9	202.70	9	9	9		9	
1/4	2,334.82	1/4	1,975.82	1/4	1,616.82	1/4	1,257.83	1/4	910.16	1/4	554.21	1/4	195.23	1/4		1/4		1/4	
1/2	2,327.34	1/2	1,968.34	1/2	1,609.34	1/2	1,250.35	1/2	902.98	1/2	546.73	1/2	187.75	1/2		1/2		1/2	
3/4	2,319.86	3/4	1,960.86	3/4	1,601.86	3/4	1,242.87	3/4	895.81	3/4	539.25	3/4	180.27	3/4		3/4		3/4	
10	2,312.38	10	1,953.38	10	1,594.39	10	1,235.39	10	888.63	10	531.78	10	172.79	10	10	10		10	
1/4	2,304.90	1/4	1,945.90	1/4	1,586.91	1/4	1,227.91	1/4	881.46	1/4	524.30	1/4	165.31	1/4		1/4		1/4	
1/2	2,297.42	1/2	1,938.42	1/2	1,579.43	1/2	1,220.43	1/2	874.28	1/2	516.82	1/2	157.83	1/2		1/2		1/2	
3/4	2,289.94	3/4	1,930.94	3/4	1,571.95	3/4	1,212.95	3/4	867.11	3/4	509.34	3/4	150.35	3/4		3/4		3/4	
11	2,282.46	11	1,923.47	11	1,564.47	11	1,205.47	11	859.93	11	501.86	11	142.87	11	11	11		11	
1/4	2,274.98	1/4	1,915.99	1/4	1,556.99	1/4	1,197.99	1/4	852.76	1/4	494.38	1/4	135.39	1/4		1/4		1/4	
1/2	2,267.50	1/2	1,908.51	1/2	1,549.51	1/2	1,190.51	1/2	845.58	1/2	486.90	1/2	127.92	1/2		1/2		1/2	
3/4	2,260.03	3/4	1,901.03	3/4	1,542.03	3/4	1,183.25	3/4	838.18	3/4	479.42	3/4	120.44	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/12/2013 SW
RECALCULATED: 05/12/2023 JS
NAME CHANGE: 05/12/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 29164"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SIM 30047"

GAUGE HEIGHT 17'-03 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	4,784.49	0	4,427.05	0	4,068.34	0	3,709.53	0	3,350.73	0	2,991.92
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,777.08	1/4	4,419.59	1/4	4,060.86	1/4	3,702.06	1/4	3,343.25	1/4	2,984.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,769.66	1/2	4,412.14	1/2	4,053.39	1/2	3,694.58	1/2	3,335.78	1/2	2,976.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,762.25	3/4	4,404.69	3/4	4,045.91	3/4	3,687.11	3/4	3,328.30	3/4	2,969.47
1		1		1		1	5,090.77	1	4,754.84	1	4,397.22	1	4,038.44	1	3,679.63	1	3,320.83	1	2,961.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,086.29	1/4	4,747.42	1/4	4,389.75	1/4	4,030.96	1/4	3,672.16	1/4	3,313.35	1/4	2,954.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,081.81	1/2	4,740.01	1/2	4,382.28	1/2	4,023.49	1/2	3,664.68	1/2	3,305.88	1/2	2,947.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,077.33	3/4	4,732.59	3/4	4,374.82	3/4	4,016.01	3/4	3,657.21	3/4	3,298.40	3/4	2,939.55
2		2		2		2	5,071.78	2	4,725.15	2	4,367.34	2	4,008.54	2	3,649.73	2	3,290.93	2	2,932.07
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,066.24	1/4	4,717.71	1/4	4,359.87	1/4	4,001.06	1/4	3,642.26	1/4	3,283.45	1/4	2,924.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,060.69	1/2	4,710.27	1/2	4,352.39	1/2	3,993.59	1/2	3,634.78	1/2	3,275.98	1/2	2,917.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,055.14	3/4	4,702.82	3/4	4,344.92	3/4	3,986.11	3/4	3,627.31	3/4	3,268.50	3/4	2,909.64
3		3		3		3	5,048.52	3	4,695.37	3	4,337.44	3	3,978.64	3	3,619.83	3	3,261.03	3	2,902.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,041.91	1/4	4,687.92	1/4	4,329.97	1/4	3,971.16	1/4	3,612.36	1/4	3,253.55	1/4	2,894.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,035.29	1/2	4,680.46	1/2	4,322.49	1/2	3,963.69	1/2	3,604.88	1/2	3,246.08	1/2	2,887.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,028.67	3/4	4,673.01	3/4	4,315.02	3/4	3,956.21	3/4	3,597.41	3/4	3,238.60	3/4	2,879.72
4		4		4		4	5,021.39	4	4,665.56	4	4,307.54	4	3,948.74	4	3,589.93	4	3,231.13	4	2,872.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,014.11	1/4	4,658.10	1/4	4,300.07	1/4	3,941.26	1/4	3,582.46	1/4	3,223.65	1/4	2,864.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,006.82	1/2	4,650.65	1/2	4,292.59	1/2	3,933.79	1/2	3,574.98	1/2	3,216.18	1/2	2,857.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,999.54	3/4	4,643.20	3/4	4,285.12	3/4	3,926.31	3/4	3,567.51	3/4	3,208.70	3/4	2,849.80
5		5		5		5	4,992.12	5	4,635.74	5	4,277.64	5	3,918.84	5	3,560.03	5	3,201.23	5	2,842.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,984.70	1/4	4,628.29	1/4	4,270.17	1/4	3,911.36	1/4	3,552.56	1/4	3,193.75	1/4	2,834.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,977.28	1/2	4,620.84	1/2	4,262.69	1/2	3,903.89	1/2	3,545.08	1/2	3,186.28	1/2	2,827.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,969.87	3/4	4,613.38	3/4	4,255.22	3/4	3,896.41	3/4	3,537.61	3/4	3,178.80	3/4	2,819.89
6		6		6		6	4,962.45	6	4,605.93	6	4,247.74	6	3,888.94	6	3,530.13	6	3,171.33	6	2,812.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,955.03	1/4	4,598.48	1/4	4,240.27	1/4	3,881.46	1/4	3,522.66	1/4	3,163.85	1/4	2,804.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,947.61	1/2	4,591.02	1/2	4,232.79	1/2	3,873.99	1/2	3,515.18	1/2	3,156.38	1/2	2,797.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,940.20	3/4	4,583.57	3/4	4,225.32	3/4	3,866.51	3/4	3,507.71	3/4	3,148.90	3/4	2,789.97
7		7		7		7	4,932.78	7	4,576.12	7	4,217.84	7	3,859.04	7	3,500.23	7	3,141.43	7	2,782.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,925.36	1/4	4,568.66	1/4	4,210.36	1/4	3,851.56	1/4	3,492.76	1/4	3,133.95	1/4	2,775.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,917.94	1/2	4,561.21	1/2	4,202.89	1/2	3,844.09	1/2	3,485.28	1/2	3,126.48	1/2	2,767.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,910.53	3/4	4,553.76	3/4	4,195.41	3/4	3,836.61	3/4	3,477.81	3/4	3,119.00	3/4	2,760.06
8		8		8		8	4,903.11	8	4,546.30	8	4,187.94	8	3,829.13	8	3,470.33	8	3,111.53	8	2,752.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,895.70	1/4	4,538.85	1/4	4,180.46	1/4	3,821.66	1/4	3,462.85	1/4	3,104.05	1/4	2,745.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,888.28	1/2	4,531.39	1/2	4,172.99	1/2	3,814.18	1/2	3,455.38	1/2	3,096.57	1/2	2,737.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,880.87	3/4	4,523.94	3/4	4,165.51	3/4	3,806.71	3/4	3,447.90	3/4	3,089.10	3/4	2,730.14
9		9		9		9	4,873.45	9	4,516.49	9	4,158.04	9	3,799.23	9	3,440.43	9	3,081.62	9	2,722.66
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,866.04	1/4	4,509.03	1/4	4,150.56	1/4	3,791.76	1/4	3,432.95	1/4	3,074.15	1/4	2,715.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,858.63	1/2	4,501.58	1/2	4,143.09	1/2	3,784.28	1/2	3,425.48	1/2	3,066.67	1/2	2,707.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,851.21	3/4	4,494.13	3/4	4,135.61	3/4	3,776.81	3/4	3,418.00	3/4	3,059.20	3/4	2,700.22
10		10		10		10	4,843.80	10	4,486.67	10	4,128.14	10	3,769.33	10	3,410.53	10	3,051.72	10	2,692.75
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,836.39	1/4	4,479.22	1/4	4,120.66	1/4	3,761.86	1/4	3,403.05	1/4	3,044.25	1/4	2,685.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,828.97	1/2	4,471.77	1/2	4,113.19	1/2	3,754.38	1/2	3,395.58	1/2	3,036.77	1/2	2,677.79
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,821.56	3/4	4,464.31	3/4	4,105.71	3/4	3,746.91	3/4	3,388.10	3/4	3,029.30	3/4	2,670.31
11		11		11		11	4,814.14	11	4,456.86	11	4,098.24	11	3,739.43	11	3,380.63	11	3,021.82	11	2,662.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,806.73	1/4	4,449.41	1/4	4,090.76	1/4	3,731.96	1/4	3,373.15	1/4	3,014.35	1/4	2,655.35
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,799.32	1/2	4,441.95	1/2	4,083.29	1/2	3,724.48	1/2	3,365.68	1/2	3,006.87	1/2	2,647.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,791.90	3/4	4,434.50	3/4	4,075.81	3/4	3,717.01	3/4	3,358.20	3/4	2,999.40	3/4	2,640.39

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 DEVICE".
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29164"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30047"

GAUGE HEIGHT 17'-03 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	2,632.91	0	2,273.92	0	1,914.93	0	1,555.94	0	1,196.95	0	838.40	0	479.43	0	120.44	0		0	
1/4	2,625.43	1/4	2,266.44	1/4	1,907.45	1/4	1,548.46	1/4	1,189.47	1/4	830.93	1/4	471.95	1/4	112.96	1/4		1/4	
1/2	2,617.96	1/2	2,258.96	1/2	1,899.97	1/2	1,540.98	1/2	1,181.99	1/2	823.45	1/2	464.47	1/2	105.48	1/2		1/2	
3/4	2,610.48	3/4	2,251.48	3/4	1,892.49	3/4	1,533.50	3/4	1,174.51	3/4	815.98	3/4	456.99	3/4	98.00	3/4		3/4	
1	2,603.00	1	2,244.01	1	1,885.01	1	1,526.02	1	1,167.03	1	808.50	1	449.51	1	90.52	1		1	
1/4	2,595.52	1/4	2,236.53	1/4	1,877.53	1/4	1,518.54	1/4	1,159.55	1/4	801.02	1/4	442.03	1/4	83.04	1/4		1/4	
1/2	2,588.04	1/2	2,229.05	1/2	1,870.06	1/2	1,511.06	1/2	1,152.07	1/2	793.54	1/2	434.55	1/2	75.57	1/2		1/2	
3/4	2,580.56	3/4	2,221.57	3/4	1,862.58	3/4	1,503.58	3/4	1,144.59	3/4	786.06	3/4	427.07	3/4	68.09	3/4		3/4	
2	2,573.08	2	2,214.09	2	1,855.10	2	1,496.11	2	1,137.12	2	778.58	2	419.60	2	61.31	2		2	
1/4	2,565.60	1/4	2,206.61	1/4	1,847.62	1/4	1,488.63	1/4	1,129.64	1/4	771.10	1/4	412.12	1/4	54.53	1/4		1/4	
1/2	2,558.12	1/2	2,199.13	1/2	1,840.14	1/2	1,481.15	1/2	1,122.17	1/2	763.62	1/2	404.64	1/2	47.75	1/2		1/2	
3/4	2,550.64	3/4	2,191.65	3/4	1,832.66	3/4	1,473.67	3/4	1,114.69	3/4	756.15	3/4	397.16	3/4	40.98	3/4		3/4	
3	2,543.17	3	2,184.17	3	1,825.18	3	1,466.19	3	1,107.22	3	748.67	3	389.68	3	35.84	3		3	
1/4	2,535.69	1/4	2,176.69	1/4	1,817.70	1/4	1,458.71	1/4	1,099.75	1/4	741.19	1/4	382.20	1/4	30.69	1/4		1/4	
1/2	2,528.21	1/2	2,169.22	1/2	1,810.22	1/2	1,451.23	1/2	1,092.27	1/2	733.71	1/2	374.72	1/2	25.55	1/2		1/2	
3/4	2,520.73	3/4	2,161.74	3/4	1,802.74	3/4	1,443.75	3/4	1,084.80	3/4	726.23	3/4	367.24	3/4	20.41	3/4		3/4	
4	2,513.25	4	2,154.26	4	1,795.27	4	1,436.27	4	1,077.33	4	718.75	4	359.76	4		4		4	
1/4	2,505.77	1/4	2,146.78	1/4	1,787.79	1/4	1,428.79	1/4	1,069.86	1/4	711.27	1/4	352.29	1/4		1/4		1/4	
1/2	2,498.29	1/2	2,139.30	1/2	1,780.31	1/2	1,421.32	1/2	1,062.40	1/2	703.79	1/2	344.81	1/2		1/2		1/2	
3/4	2,490.81	3/4	2,131.82	3/4	1,772.83	3/4	1,413.84	3/4	1,054.93	3/4	696.31	3/4	337.33	3/4		3/4		3/4	
5	2,483.33	5	2,124.34	5	1,765.35	5	1,406.36	5	1,047.46	5	688.84	5	329.85	5		5		5	
1/4	2,475.85	1/4	2,116.86	1/4	1,757.87	1/4	1,398.88	1/4	1,040.00	1/4	681.36	1/4	322.37	1/4		1/4		1/4	
1/2	2,468.38	1/2	2,109.38	1/2	1,750.39	1/2	1,391.40	1/2	1,032.53	1/2	673.88	1/2	314.89	1/2		1/2		1/2	
3/4	2,460.90	3/4	2,101.90	3/4	1,742.91	3/4	1,383.92	3/4	1,025.06	3/4	666.40	3/4	307.41	3/4		3/4		3/4	
6	2,453.42	6	2,094.43	6	1,735.43	6	1,376.44	6	1,017.60	6	658.92	6	299.93	6		6		6	
1/4	2,445.94	1/4	2,086.95	1/4	1,727.95	1/4	1,368.96	1/4	1,010.13	1/4	651.44	1/4	292.45	1/4		1/4		1/4	
1/2	2,438.46	1/2	2,079.47	1/2	1,720.48	1/2	1,361.48	1/2	1,002.67	1/2	643.96	1/2	284.98	1/2		1/2		1/2	
3/4	2,430.98	3/4	2,071.99	3/4	1,713.00	3/4	1,354.00	3/4	995.20	3/4	636.48	3/4	277.50	3/4		3/4		3/4	
7	2,423.50	7	2,064.51	7	1,705.52	7	1,346.53	7	987.73	7	629.00	7	270.02	7		7		7	
1/4	2,416.02	1/4	2,057.03	1/4	1,698.04	1/4	1,339.05	1/4	980.27	1/4	621.53	1/4	262.54	1/4		1/4		1/4	
1/2	2,408.54	1/2	2,049.55	1/2	1,690.56	1/2	1,331.57	1/2	972.80	1/2	614.05	1/2	255.06	1/2		1/2		1/2	
3/4	2,401.06	3/4	2,042.07	3/4	1,683.08	3/4	1,324.09	3/4	965.33	3/4	606.57	3/4	247.58	3/4		3/4		3/4	
8	2,393.59	8	2,034.59	8	1,675.60	8	1,316.61	8	957.87	8	599.09	8	240.10	8		8		8	
1/4	2,386.11	1/4	2,027.11	1/4	1,668.12	1/4	1,309.13	1/4	950.40	1/4	591.61	1/4	232.62	1/4		1/4		1/4	
1/2	2,378.63	1/2	2,019.64	1/2	1,660.64	1/2	1,301.65	1/2	942.94	1/2	584.13	1/2	225.14	1/2		1/2		1/2	
3/4	2,371.15	3/4	2,012.16	3/4	1,653.16	3/4	1,294.17	3/4	935.47	3/4	576.65	3/4	217.67	3/4		3/4		3/4	
9	2,363.67	9	2,004.68	9	1,645.69	9	1,286.69	9	928.00	9	569.17	9	210.19	9		9		9	
1/4	2,356.19	1/4	1,997.20	1/4	1,638.21	1/4	1,279.21	1/4	920.54	1/4	561.69	1/4	202.71	1/4		1/4		1/4	
1/2	2,348.71	1/2	1,989.72	1/2	1,630.73	1/2	1,271.74	1/2	913.07	1/2	554.22	1/2	195.23	1/2		1/2		1/2	
3/4	2,341.23	3/4	1,982.24	3/4	1,623.25	3/4	1,264.26	3/4	905.61	3/4	546.74	3/4	187.75	3/4		3/4		3/4	
10	2,333.75	10	1,974.76	10	1,615.77	10	1,256.78	10	898.14	10	539.26	10	180.27	10		10		10	
1/4	2,326.27	1/4	1,967.28	1/4	1,608.29	1/4	1,249.30	1/4	890.67	1/4	531.78	1/4	172.79	1/4		1/4		1/4	
1/2	2,318.80	1/2	1,959.80	1/2	1,600.81	1/2	1,241.82	1/2	883.21	1/2	524.30	1/2	165.31	1/2		1/2		1/2	
3/4	2,311.32	3/4	1,952.32	3/4	1,593.33	3/4	1,234.34	3/4	875.74	3/4	516.82	3/4	157.83	3/4		3/4		3/4	
11	2,303.84	11	1,944.85	11	1,585.85	11	1,226.86	11	868.27	11	509.34	11	150.36	11		11		11	
1/4	2,296.36	1/4	1,937.37	1/4	1,578.37	1/4	1,219.38	1/4	860.81	1/4	501.86	1/4	142.88	1/4		1/4		1/4	
1/2	2,288.88	1/2	1,929.89	1/2	1,570.90	1/2	1,211.90	1/2	853.34	1/2	494.38	1/2	135.40	1/2		1/2		1/2	
3/4	2,281.40	3/4	1,922.41	3/4	1,563.42	3/4	1,204.42	3/4	845.88	3/4	486.91	3/4	127.92	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/12/2013 SW
RECALCULATED: 05/12/2023 JS
NAME CHANGE: 05/12/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2023

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



BARGE "KIRBY 29164"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SIM 30047"

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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0		0	4,288.59	0	4,070.18	0	3,850.94	0	3,631.67	0	3,304.13	0	2,947.56		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,284.07	1/4	4,065.63	1/4	3,846.37	1/4	3,627.10	1/4	3,296.72	1/4	2,940.12		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,477.65	1/2	4,279.54	1/2	4,061.06	1/2	3,841.80	1/2	3,622.53	1/2	3,289.31	1/2	2,932.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,475.80	3/4	4,275.01	3/4	4,056.50	3/4	3,837.23	3/4	3,617.96	3/4	3,281.90	3/4	2,925.26
1		1		1		1		1	4,473.95	1	4,270.49	1	4,051.93	1	3,832.66	1	3,613.40	1	3,274.49	1	2,917.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,472.10	1/4	4,265.96	1/4	4,047.37	1/4	3,828.10	1/4	3,608.83	1/4	3,267.08	1/4	2,910.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,469.44	1/2	4,261.41	1/2	4,042.80	1/2	3,823.53	1/2	3,604.26	1/2	3,259.66	1/2	2,902.96
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,466.77	3/4	4,256.87	3/4	4,038.23	3/4	3,818.96	3/4	3,599.69	3/4	3,252.23	3/4	2,895.52
2		2		2		2		2	4,464.11	2	4,252.32	2	4,033.66	2	3,814.39	2	3,595.12	2	3,244.81	2	2,888.09
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,461.44	1/4	4,247.77	1/4	4,029.09	1/4	3,809.82	1/4	3,590.56	1/4	3,237.38	1/4	2,880.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,457.71	1/2	4,243.22	1/2	4,024.53	1/2	3,805.26	1/2	3,583.82	1/2	3,229.95	1/2	2,873.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,453.98	3/4	4,238.66	3/4	4,019.96	3/4	3,800.69	3/4	3,577.09	3/4	3,222.52	3/4	2,865.79
3		3		3		3		3	4,450.25	3	4,234.11	3	4,015.39	3	3,796.12	3	3,570.36	3	3,215.09	3	2,858.35
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,446.52	1/4	4,229.56	1/4	4,010.82	1/4	3,791.55	1/4	3,563.63	1/4	3,207.66	1/4	2,850.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,442.13	1/2	4,225.00	1/2	4,006.25	1/2	3,786.98	1/2	3,556.20	1/2	3,200.22	1/2	2,843.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,437.73	3/4	4,220.45	3/4	4,001.68	3/4	3,782.42	3/4	3,548.77	3/4	3,192.79	3/4	2,836.05
4		4		4		4		4	4,433.34	4	4,215.90	4	3,997.12	4	3,777.85	4	3,541.34	4	3,185.36	4	2,828.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,428.94	1/4	4,211.34	1/4	3,992.55	1/4	3,773.28	1/4	3,533.91	1/4	3,177.93	1/4	2,821.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,424.41	1/2	4,206.79	1/2	3,987.98	1/2	3,768.71	1/2	3,526.49	1/2	3,170.50	1/2	2,813.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,419.88	3/4	4,202.23	3/4	3,983.41	3/4	3,764.14	3/4	3,519.07	3/4	3,163.07	3/4	2,806.32
5		5		5		5		5	4,415.36	5	4,197.68	5	3,978.84	5	3,759.58	5	3,511.65	5	3,155.64	5	2,798.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,410.83	1/4	4,193.13	1/4	3,974.28	1/4	3,755.01	1/4	3,504.23	1/4	3,148.21	1/4	2,791.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,406.30	1/2	4,188.57	1/2	3,969.71	1/2	3,750.44	1/2	3,496.81	1/2	3,140.77	1/2	2,784.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,401.77	3/4	4,184.02	3/4	3,965.14	3/4	3,745.87	3/4	3,489.40	3/4	3,133.34	3/4	2,776.58
6		6		6		6		6	4,397.24	6	4,179.47	6	3,960.57	6	3,741.30	6	3,481.99	6	3,125.91	6	2,769.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,392.71	1/4	4,174.91	1/4	3,956.00	1/4	3,736.73	1/4	3,474.57	1/4	3,118.48	1/4	2,761.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,388.18	1/2	4,170.36	1/2	3,951.44	1/2	3,732.17	1/2	3,467.16	1/2	3,111.05	1/2	2,754.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,383.65	3/4	4,165.81	3/4	3,946.87	3/4	3,727.60	3/4	3,459.75	3/4	3,103.62	3/4	2,746.85
7		7		7		7		7	4,379.12	7	4,161.25	7	3,942.30	7	3,723.03	7	3,452.34	7	3,096.19	7	2,739.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,374.59	1/4	4,156.70	1/4	3,937.73	1/4	3,718.46	1/4	3,444.93	1/4	3,088.76	1/4	2,731.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,370.07	1/2	4,152.15	1/2	3,933.16	1/2	3,713.89	1/2	3,437.52	1/2	3,081.33	1/2	2,724.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,365.54	3/4	4,147.59	3/4	3,928.60	3/4	3,709.33	3/4	3,430.11	3/4	3,073.89	3/4	2,717.11
8		8		8		8		8	4,361.01	8	4,143.04	8	3,924.03	8	3,704.76	8	3,422.70	8	3,066.46	8	2,709.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,356.49	1/4	4,138.48	1/4	3,919.46	1/4	3,700.19	1/4	3,415.29	1/4	3,059.03	1/4	2,702.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,351.96	1/2	4,133.93	1/2	3,914.89	1/2	3,695.62	1/2	3,407.88	1/2	3,051.60	1/2	2,694.81
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,347.43	3/4	4,129.38	3/4	3,910.32	3/4	3,691.05	3/4	3,400.47	3/4	3,044.17	3/4	2,687.38
9		9		9		9		9	4,342.91	9	4,124.82	9	3,905.75	9	3,686.49	9	3,393.06	9	3,036.74	9	2,679.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,338.38	1/4	4,120.27	1/4	3,901.19	1/4	3,681.92	1/4	3,385.65	1/4	3,029.31	1/4	2,672.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,333.85	1/2	4,115.72	1/2	3,896.62	1/2	3,677.35	1/2	3,378.24	1/2	3,021.88	1/2	2,665.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,329.33	3/4	4,111.16	3/4	3,892.05	3/4	3,672.78	3/4	3,370.83	3/4	3,014.44	3/4	2,657.64
10		10		10		10		10	4,324.80	10	4,106.61	10	3,887.48	10	3,668.21	10	3,363.42	10	3,007.01	10	2,650.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,320.28	1/4	4,102.06	1/4	3,882.91	1/4	3,663.65	1/4	3,356.01	1/4	2,999.58	1/4	2,642.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,315.75	1/2	4,097.50	1/2	3,878.35	1/2	3,659.08	1/2	3,348.60	1/2	2,992.15	1/2	2,635.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,311.22	3/4	4,092.95	3/4	3,873.78	3/4	3,654.51	3/4	3,341.19	3/4	2,984.72	3/4	2,627.90
11		11		11		11		11	4,306.70	11	4,088.39	11	3,869.21	11	3,649.94	11	3,333.78	11	2,977.29	11	2,620.47
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,302.17	1/4	4,083.84	1/4	3,864.64	1/4	3,645.37	1/4	3,326.36	1/4	2,969.86	1/4	2,613.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,297.64	1/2	4,079.29	1/2	3,860.07	1/2	3,640.80	1/2	3,318.95	1/2	2,962.42	1/2	2,605.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,293.12	3/4	4,074.73	3/4	3,855.51	3/4	3,636.24	3/4	3,311.54	3/4	2,954.99	3/4	2,598.16

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC DEVICE".
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29164"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30047"

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	2,590.72	0	2,234.91	0	1,880.61	0	1,523.45	0	1,166.74	0	819.84	0	462.53	0	105.17	0		0	
1/4	2,583.28	1/4	2,227.53	1/4	1,873.18	1/4	1,516.01	1/4	1,159.46	1/4	812.46	1/4	455.08	1/4	97.71	1/4		1/4	
1/2	2,575.84	1/2	2,220.15	1/2	1,865.74	1/2	1,508.57	1/2	1,152.23	1/2	805.01	1/2	447.64	1/2	90.26	1/2		1/2	
3/4	2,568.40	3/4	2,212.77	3/4	1,858.30	3/4	1,501.12	3/4	1,145.00	3/4	797.57	3/4	440.19	3/4	82.80	3/4		3/4	
1	2,560.96	1	2,205.39	1	1,850.86	1	1,493.68	1	1,137.77	1	790.12	1	432.75	1	75.35	1		1	
1/4	2,553.52	1/4	2,198.01	1/4	1,843.42	1/4	1,486.24	1/4	1,130.54	1/4	782.68	1/4	425.31	1/4	67.89	1/4		1/4	
1/2	2,546.08	1/2	2,190.64	1/2	1,835.98	1/2	1,478.80	1/2	1,123.32	1/2	775.23	1/2	417.86	1/2	61.13	1/2		1/2	
3/4	2,538.63	3/4	2,183.26	3/4	1,828.54	3/4	1,471.36	3/4	1,116.09	3/4	767.78	3/4	410.42	3/4	54.38	3/4		3/4	
2	2,531.19	2	2,175.88	2	1,821.10	2	1,463.92	2	1,108.87	2	760.34	2	402.97	2	47.62	2		2	
1/4	2,523.75	1/4	2,168.50	1/4	1,813.66	1/4	1,456.48	1/4	1,101.65	1/4	752.89	1/4	395.53	1/4	40.86	1/4		1/4	
1/2	2,516.31	1/2	2,161.12	1/2	1,806.21	1/2	1,449.04	1/2	1,094.43	1/2	745.45	1/2	388.09	1/2	35.73	1/2		1/2	
3/4	2,508.87	3/4	2,153.74	3/4	1,798.77	3/4	1,441.60	3/4	1,087.21	3/4	738.00	3/4	380.64	3/4	30.61	3/4		3/4	
3	2,501.43	3	2,146.37	3	1,791.33	3	1,434.15	3	1,079.99	3	730.56	3	373.20	3	25.48	3		3	
1/4	2,493.99	1/4	2,138.99	1/4	1,783.89	1/4	1,426.71	1/4	1,072.77	1/4	723.11	1/4	365.75	1/4	20.35	1/4		1/4	
1/2	2,486.58	1/2	2,131.61	1/2	1,776.45	1/2	1,419.27	1/2	1,065.56	1/2	715.67	1/2	358.31	1/2		1/2		1/2	
3/4	2,479.16	3/4	2,124.23	3/4	1,769.01	3/4	1,411.83	3/4	1,058.35	3/4	708.22	3/4	350.87	3/4		3/4		3/4	
4	2,471.75	4	2,116.85	4	1,761.57	4	1,404.39	4	1,051.13	4	700.78	4	343.42	4	4	4		4	
1/4	2,464.34	1/4	2,109.47	1/4	1,754.13	1/4	1,396.95	1/4	1,043.92	1/4	693.33	1/4	335.98	1/4		1/4		1/4	
1/2	2,456.94	1/2	2,102.10	1/2	1,746.68	1/2	1,389.51	1/2	1,036.71	1/2	685.89	1/2	328.53	1/2		1/2		1/2	
3/4	2,449.53	3/4	2,094.72	3/4	1,739.24	3/4	1,382.07	3/4	1,029.50	3/4	678.44	3/4	321.09	3/4		3/4		3/4	
5	2,442.13	5	2,087.34	5	1,731.80	5	1,374.62	5	1,022.29	5	670.99	5	313.65	5	5	5		5	
1/4	2,434.73	1/4	2,079.96	1/4	1,724.36	1/4	1,367.18	1/4	1,015.07	1/4	663.55	1/4	306.20	1/4		1/4		1/4	
1/2	2,427.33	1/2	2,072.58	1/2	1,716.92	1/2	1,359.74	1/2	1,007.86	1/2	656.10	1/2	298.76	1/2		1/2		1/2	
3/4	2,419.92	3/4	2,065.21	3/4	1,709.48	3/4	1,352.30	3/4	1,000.65	3/4	648.66	3/4	291.31	3/4		3/4		3/4	
6	2,412.52	6	2,057.83	6	1,702.04	6	1,344.86	6	993.44	6	641.21	6	283.87	6	6	6		6	
1/4	2,405.12	1/4	2,050.45	1/4	1,694.60	1/4	1,337.42	1/4	986.23	1/4	633.77	1/4	276.43	1/4		1/4		1/4	
1/2	2,397.72	1/2	2,043.07	1/2	1,687.15	1/2	1,329.98	1/2	979.02	1/2	626.32	1/2	268.98	1/2		1/2		1/2	
3/4	2,390.31	3/4	2,035.69	3/4	1,679.71	3/4	1,322.54	3/4	971.81	3/4	618.88	3/4	261.54	3/4		3/4		3/4	
7	2,382.91	7	2,028.31	7	1,672.27	7	1,315.09	7	964.60	7	611.43	7	254.09	7	7	7		7	
1/4	2,375.51	1/4	2,020.94	1/4	1,664.83	1/4	1,307.65	1/4	957.38	1/4	603.99	1/4	246.65	1/4		1/4		1/4	
1/2	2,368.10	1/2	2,013.56	1/2	1,657.39	1/2	1,300.21	1/2	950.17	1/2	596.54	1/2	239.21	1/2		1/2		1/2	
3/4	2,360.70	3/4	2,006.18	3/4	1,649.95	3/4	1,292.77	3/4	942.96	3/4	589.10	3/4	231.76	3/4		3/4		3/4	
8	2,353.30	8	1,998.80	8	1,642.51	8	1,285.33	8	935.75	8	581.65	8	224.32	8	8	8		8	
1/4	2,345.90	1/4	1,991.42	1/4	1,635.07	1/4	1,277.89	1/4	928.54	1/4	574.20	1/4	216.87	1/4		1/4		1/4	
1/2	2,338.49	1/2	1,984.04	1/2	1,627.63	1/2	1,270.45	1/2	921.33	1/2	566.76	1/2	209.43	1/2		1/2		1/2	
3/4	2,331.09	3/4	1,976.67	3/4	1,620.18	3/4	1,263.01	3/4	914.12	3/4	559.31	3/4	201.98	3/4		3/4		3/4	
9	2,323.69	9	1,969.29	9	1,612.74	9	1,255.57	9	906.90	9	551.87	9	194.53	9	9	9		9	
1/4	2,316.29	1/4	1,961.91	1/4	1,605.30	1/4	1,248.12	1/4	899.69	1/4	544.42	1/4	187.09	1/4		1/4		1/4	
1/2	2,308.88	1/2	1,954.53	1/2	1,597.86	1/2	1,240.68	1/2	892.48	1/2	536.98	1/2	179.64	1/2		1/2		1/2	
3/4	2,301.48	3/4	1,947.15	3/4	1,590.42	3/4	1,233.24	3/4	885.27	3/4	529.53	3/4	172.20	3/4		3/4		3/4	
10	2,294.08	10	1,939.77	10	1,582.98	10	1,225.80	10	878.06	10	522.09	10	164.75	10	10	10		10	
1/4	2,286.67	1/4	1,932.40	1/4	1,575.54	1/4	1,218.36	1/4	870.85	1/4	514.64	1/4	157.30	1/4		1/4		1/4	
1/2	2,279.27	1/2	1,925.02	1/2	1,568.10	1/2	1,210.92	1/2	863.64	1/2	507.20	1/2	149.86	1/2		1/2		1/2	
3/4	2,271.87	3/4	1,917.64	3/4	1,560.65	3/4	1,203.48	3/4	856.42	3/4	499.75	3/4	142.41	3/4		3/4		3/4	
11	2,264.47	11	1,910.26	11	1,553.21	11	1,196.04	11	849.21	11	492.31	11	134.96	11	11	11		11	
1/4	2,257.06	1/4	1,902.88	1/4	1,545.77	1/4	1,188.59	1/4	842.00	1/4	484.86	1/4	127.52	1/4		1/4		1/4	
1/2	2,249.68	1/2	1,895.46	1/2	1,538.33	1/2	1,181.31	1/2	834.62	1/2	477.42	1/2	120.07	1/2		1/2		1/2	
3/4	2,242.30	3/4	1,888.03	3/4	1,530.89	3/4	1,174.03	3/4	827.23	3/4	469.97	3/4	112.62	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/12/2013 SW
RECALCULATED: 05/12/2023 JS
NAME CHANGE: 05/12/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 29164"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SIM 30047"

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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	4,314.57	0	4,096.22	0	3,877.03	0	3,657.79	0	3,332.66	0	2,975.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,310.05	1/4	4,091.67	1/4	3,872.46	1/4	3,653.22	1/4	3,325.24	1/4	2,967.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,305.52	1/2	4,087.12	1/2	3,867.89	1/2	3,648.66	1/2	3,317.81	1/2	2,960.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,499.08	3/4	4,300.99	3/4	4,082.55	3/4	3,863.33	3/4	3,644.09	3/4	3,310.38
1		1		1		1		1	4,497.23	1	4,296.47	1	4,077.99	1	3,858.76	1	3,639.52	1	3,302.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,495.38	1/4	4,291.94	1/4	4,073.42	1/4	3,854.19	1/4	3,634.96	1/4	3,295.53
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,493.53	1/2	4,287.42	1/2	4,068.86	1/2	3,849.62	1/2	3,630.39	1/2	3,288.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,490.87	3/4	4,282.87	3/4	4,064.29	3/4	3,845.06	3/4	3,625.82	3/4	3,280.66
2		2		2		2		2	4,488.21	2	4,278.33	2	4,059.72	2	3,840.49	2	3,621.25	2	3,273.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,485.54	1/4	4,273.78	1/4	4,055.16	1/4	3,835.92	1/4	3,616.69	1/4	3,265.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,482.88	1/2	4,269.23	1/2	4,050.59	1/2	3,831.35	1/2	3,612.12	1/2	3,258.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,479.15	3/4	4,264.68	3/4	4,046.02	3/4	3,826.79	3/4	3,605.39	3/4	3,250.89
3		3		3		3		3	4,475.42	3	4,260.13	3	4,041.45	3	3,822.22	3	3,598.66	3	3,243.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,471.69	1/4	4,255.57	1/4	4,036.89	1/4	3,817.65	1/4	3,591.93	1/4	3,235.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,467.96	1/2	4,251.02	1/2	4,032.32	1/2	3,813.08	1/2	3,585.20	1/2	3,228.55
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,463.56	3/4	4,246.47	3/4	4,027.75	3/4	3,808.52	3/4	3,577.76	3/4	3,221.10
4		4		4		4		4	4,459.16	4	4,241.91	4	4,023.18	4	3,803.95	4	3,570.33	4	3,213.65
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,454.77	1/4	4,237.36	1/4	4,018.62	1/4	3,799.38	1/4	3,562.90	1/4	3,206.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,450.37	1/2	4,232.81	1/2	4,014.05	1/2	3,794.81	1/2	3,555.47	1/2	3,198.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,445.85	3/4	4,228.26	3/4	4,009.48	3/4	3,790.25	3/4	3,548.04	3/4	3,191.31
5		5		5		5		5	4,441.32	5	4,223.70	5	4,004.91	5	3,785.68	5	3,540.61	5	3,183.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,436.79	1/4	4,219.15	1/4	4,000.35	1/4	3,781.11	1/4	3,533.18	1/4	3,176.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,432.26	1/2	4,214.60	1/2	3,995.78	1/2	3,776.54	1/2	3,525.76	1/2	3,168.97
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,427.73	3/4	4,210.04	3/4	3,991.21	3/4	3,771.98	3/4	3,518.33	3/4	3,161.52
6		6		6		6		6	4,423.20	6	4,205.49	6	3,986.65	6	3,767.41	6	3,510.90	6	3,154.07
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,418.68	1/4	4,200.94	1/4	3,982.08	1/4	3,762.84	1/4	3,503.48	1/4	3,146.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,414.15	1/2	4,196.39	1/2	3,977.51	1/2	3,758.28	1/2	3,496.05	1/2	3,139.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,409.62	3/4	4,191.83	3/4	3,972.94	3/4	3,753.71	3/4	3,488.62	3/4	3,131.73
7		7		7		7		7	4,405.09	7	4,187.28	7	3,968.38	7	3,749.14	7	3,481.20	7	3,124.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,400.56	1/4	4,182.73	1/4	3,963.81	1/4	3,744.57	1/4	3,473.77	1/4	3,116.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,396.04	1/2	4,178.17	1/2	3,959.24	1/2	3,740.01	1/2	3,466.34	1/2	3,109.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,391.51	3/4	4,173.62	3/4	3,954.67	3/4	3,735.44	3/4	3,458.92	3/4	3,101.94
8		8		8		8		8	4,386.98	8	4,169.07	8	3,950.11	8	3,730.87	8	3,451.49	8	3,094.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,382.45	1/4	4,164.52	1/4	3,945.54	1/4	3,726.30	1/4	3,444.06	1/4	3,087.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,377.93	1/2	4,159.96	1/2	3,940.97	1/2	3,721.74	1/2	3,436.64	1/2	3,079.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,373.40	3/4	4,155.41	3/4	3,936.40	3/4	3,717.17	3/4	3,429.21	3/4	3,072.15
9		9		9		9		9	4,368.88	9	4,150.86	9	3,931.84	9	3,712.60	9	3,421.78	9	3,064.70
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,364.35	1/4	4,146.30	1/4	3,927.27	1/4	3,708.03	1/4	3,414.36	1/4	3,057.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,359.83	1/2	4,141.75	1/2	3,922.70	1/2	3,703.47	1/2	3,406.93	1/2	3,049.81
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,355.30	3/4	4,137.20	3/4	3,918.13	3/4	3,698.90	3/4	3,399.50	3/4	3,042.36
10		10		10		10		10	4,350.78	10	4,132.65	10	3,913.57	10	3,694.33	10	3,392.08	10	3,034.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,346.25	1/4	4,128.09	1/4	3,909.00	1/4	3,689.76	1/4	3,384.65	1/4	3,027.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,341.72	1/2	4,123.54	1/2	3,904.43	1/2	3,685.20	1/2	3,377.22	1/2	3,020.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,337.20	3/4	4,118.99	3/4	3,899.86	3/4	3,680.63	3/4	3,369.80	3/4	3,012.57
11		11		11		11		11	4,332.67	11	4,114.43	11	3,895.30	11	3,676.06	11	3,362.37	11	3,005.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,328.15	1/4	4,109.88	1/4	3,890.73	1/4	3,671.49	1/4	3,354.94	1/4	2,997.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,323.62	1/2	4,105.33	1/2	3,886.16	1/2	3,666.93	1/2	3,347.52	1/2	2,990.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,319.10	3/4	4,100.77	3/4	3,881.59	3/4	3,662.36	3/4	3,340.09	3/4	2,982.78

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 DEVICE".
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77588
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BARGE "KIRBY 29164"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30047"

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	2,617.71	0	2,259.77	0	1,901.81	0	1,543.86	0	1,185.91	0	828.51	0	470.57	0	112.63	0		0	
1/4	2,610.26	1/4	2,252.31	1/4	1,894.36	1/4	1,536.41	1/4	1,178.46	1/4	821.05	1/4	463.12	1/4	105.18	1/4		1/4	
1/2	2,602.80	1/2	2,244.85	1/2	1,886.90	1/2	1,528.95	1/2	1,171.00	1/2	813.60	1/2	455.66	1/2	97.72	1/2		1/2	
3/4	2,595.34	3/4	2,237.39	3/4	1,879.44	3/4	1,521.49	3/4	1,163.54	3/4	806.14	3/4	448.20	3/4	90.26	3/4		3/4	
1	2,587.89	1	2,229.94	1	1,871.99	1	1,514.04	1	1,156.08	1	798.69	1	440.75	1	82.80	1		1	
1/4	2,580.43	1/4	2,222.48	1/4	1,864.53	1/4	1,506.58	1/4	1,148.63	1/4	791.23	1/4	433.29	1/4	75.35	1/4		1/4	
1/2	2,572.97	1/2	2,215.02	1/2	1,857.07	1/2	1,499.12	1/2	1,141.17	1/2	783.77	1/2	425.83	1/2	67.89	1/2		1/2	
3/4	2,565.51	3/4	2,207.56	3/4	1,849.61	3/4	1,491.66	3/4	1,133.72	3/4	776.32	3/4	418.37	3/4	61.13	3/4		3/4	
2	2,558.06	2	2,200.11	2	1,842.16	2	1,484.21	2	1,126.27	2	768.86	2	410.92	2	54.37	2		2	
1/4	2,550.60	1/4	2,192.65	1/4	1,834.70	1/4	1,476.75	1/4	1,118.82	1/4	761.40	1/4	403.46	1/4	47.62	1/4		1/4	
1/2	2,543.14	1/2	2,185.19	1/2	1,827.24	1/2	1,469.29	1/2	1,111.36	1/2	753.94	1/2	396.00	1/2	40.86	1/2		1/2	
3/4	2,535.69	3/4	2,177.73	3/4	1,819.78	3/4	1,461.83	3/4	1,103.92	3/4	746.49	3/4	388.55	3/4	35.73	3/4		3/4	
3	2,528.23	3	2,170.28	3	1,812.33	3	1,454.38	3	1,096.47	3	739.03	3	381.09	3	30.61	3		3	
1/4	2,520.77	1/4	2,162.82	1/4	1,804.87	1/4	1,446.92	1/4	1,089.02	1/4	731.57	1/4	373.63	1/4	25.48	1/4		1/4	
1/2	2,513.31	1/2	2,155.36	1/2	1,797.41	1/2	1,439.46	1/2	1,081.57	1/2	724.12	1/2	366.17	1/2	20.35	1/2		1/2	
3/4	2,505.86	3/4	2,147.91	3/4	1,789.96	3/4	1,432.00	3/4	1,074.12	3/4	716.66	3/4	358.72	3/4		3/4		3/4	
4	2,498.40	4	2,140.45	4	1,782.50	4	1,424.55	4	1,066.68	4	709.20	4	351.26	4		4		4	
1/4	2,490.94	1/4	2,132.99	1/4	1,775.04	1/4	1,417.09	1/4	1,059.23	1/4	701.74	1/4	343.80	1/4		1/4		1/4	
1/2	2,483.48	1/2	2,125.53	1/2	1,767.58	1/2	1,409.63	1/2	1,051.79	1/2	694.29	1/2	336.35	1/2		1/2		1/2	
3/4	2,476.03	3/4	2,118.08	3/4	1,760.13	3/4	1,402.18	3/4	1,044.35	3/4	686.83	3/4	328.89	3/4		3/4		3/4	
5	2,468.57	5	2,110.62	5	1,752.67	5	1,394.72	5	1,036.91	5	679.37	5	321.43	5		5		5	
1/4	2,461.11	1/4	2,103.16	1/4	1,745.21	1/4	1,387.26	1/4	1,029.46	1/4	671.92	1/4	313.97	1/4		1/4		1/4	
1/2	2,453.66	1/2	2,095.70	1/2	1,737.75	1/2	1,379.80	1/2	1,022.02	1/2	664.46	1/2	306.52	1/2		1/2		1/2	
3/4	2,446.20	3/4	2,088.25	3/4	1,730.30	3/4	1,372.35	3/4	1,014.58	3/4	657.00	3/4	299.06	3/4		3/4		3/4	
6	2,438.74	6	2,080.79	6	1,722.84	6	1,364.89	6	1,007.14	6	649.54	6	291.60	6		6		6	
1/4	2,431.28	1/4	2,073.33	1/4	1,715.38	1/4	1,357.43	1/4	999.70	1/4	642.09	1/4	284.15	1/4		1/4		1/4	
1/2	2,423.83	1/2	2,065.88	1/2	1,707.93	1/2	1,349.97	1/2	992.25	1/2	634.63	1/2	276.69	1/2		1/2		1/2	
3/4	2,416.37	3/4	2,058.42	3/4	1,700.47	3/4	1,342.52	3/4	984.81	3/4	627.17	3/4	269.23	3/4		3/4		3/4	
7	2,408.91	7	2,050.96	7	1,693.01	7	1,335.06	7	977.37	7	619.72	7	261.78	7		7		7	
1/4	2,401.45	1/4	2,043.50	1/4	1,685.55	1/4	1,327.60	1/4	969.93	1/4	612.26	1/4	254.32	1/4		1/4		1/4	
1/2	2,394.00	1/2	2,036.05	1/2	1,678.10	1/2	1,320.15	1/2	962.49	1/2	604.80	1/2	246.86	1/2		1/2		1/2	
3/4	2,386.54	3/4	2,028.59	3/4	1,670.64	3/4	1,312.69	3/4	955.04	3/4	597.34	3/4	239.40	3/4		3/4		3/4	
8	2,379.08	8	2,021.13	8	1,663.18	8	1,305.23	8	947.60	8	589.89	8	231.95	8		8		8	
1/4	2,371.62	1/4	2,013.67	1/4	1,655.72	1/4	1,297.77	1/4	940.16	1/4	582.43	1/4	224.49	1/4		1/4		1/4	
1/2	2,364.17	1/2	2,006.22	1/2	1,648.27	1/2	1,290.32	1/2	932.72	1/2	574.97	1/2	217.03	1/2		1/2		1/2	
3/4	2,356.71	3/4	1,998.76	3/4	1,640.81	3/4	1,282.86	3/4	925.28	3/4	567.52	3/4	209.58	3/4		3/4		3/4	
9	2,349.25	9	1,991.30	9	1,633.35	9	1,275.40	9	917.83	9	560.06	9	202.12	9		9		9	
1/4	2,341.80	1/4	1,983.85	1/4	1,625.89	1/4	1,267.94	1/4	910.39	1/4	552.60	1/4	194.66	1/4		1/4		1/4	
1/2	2,334.34	1/2	1,976.39	1/2	1,618.44	1/2	1,260.49	1/2	902.95	1/2	545.15	1/2	187.20	1/2		1/2		1/2	
3/4	2,326.88	3/4	1,968.93	3/4	1,610.98	3/4	1,253.03	3/4	895.51	3/4	537.69	3/4	179.75	3/4		3/4		3/4	
10	2,319.42	10	1,961.47	10	1,603.52	10	1,245.57	10	888.07	10	530.23	10	172.29	10		10		10	
1/4	2,311.97	1/4	1,954.02	1/4	1,596.07	1/4	1,238.12	1/4	880.62	1/4	522.77	1/4	164.83	1/4		1/4		1/4	
1/2	2,304.51	1/2	1,946.56	1/2	1,588.61	1/2	1,230.66	1/2	873.18	1/2	515.32	1/2	157.38	1/2		1/2		1/2	
3/4	2,297.05	3/4	1,939.10	3/4	1,581.15	3/4	1,223.20	3/4	865.74	3/4	507.86	3/4	149.92	3/4		3/4		3/4	
11	2,289.59	11	1,931.64	11	1,573.69	11	1,215.74	11	858.30	11	500.40	11	142.46	11		11		11	
1/4	2,282.14	1/4	1,924.19	1/4	1,566.24	1/4	1,208.29	1/4	850.86	1/4	492.95	1/4	135.00	1/4		1/4		1/4	
1/2	2,274.68	1/2	1,916.73	1/2	1,558.78	1/2	1,200.83	1/2	843.41	1/2	485.49	1/2	127.55	1/2		1/2		1/2	
3/4	2,267.22	3/4	1,909.27	3/4	1,551.32	3/4	1,193.37	3/4	835.96	3/4	478.03	3/4	120.09	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/12/2013 SW
RECALCULATED: 05/12/2023 JS
NAME CHANGE: 05/12/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 29164"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "SMS 30047"

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	513	1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	106	1/2	263	1/2	419	1/2	513	1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	109	3/4	267	3/4	422	3/4	513	3/4		3/4		3/4		3/4		3/4	
1	3	1	112	1	270	1	424	1	513	1		1		1		1		1	
1/4	4	1/4	115	1/4	274	1/4	427	1/4	513	1/4		1/4		1/4		1/4		1/4	
1/2	5	1/2	118	1/2	277	1/2	430	1/2	513	1/2		1/2		1/2		1/2		1/2	
3/4	6	3/4	121	3/4	280	3/4	433	3/4	513	3/4		3/4		3/4		3/4		3/4	
2	7	2	124	2	284	2	436	2	513	2		2		2		2		2	
1/4	9	1/4	128	1/4	287	1/4	438	1/4	513	1/4		1/4		1/4		1/4		1/4	
1/2	10	1/2	131	1/2	291	1/2	441	1/2	513	1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	134	3/4	294	3/4	444	3/4	513	3/4		3/4		3/4		3/4		3/4	
3	13	3	137	3	297	3	446	3	513	3		3		3		3		3	
1/4	15	1/4	140	1/4	301	1/4	449	1/4	513	1/4		1/4		1/4		1/4		1/4	
1/2	17	1/2	143	1/2	304	1/2	452	1/2	513	1/2		1/2		1/2		1/2		1/2	
3/4	19	3/4	147	3/4	307	3/4	454	3/4	513	3/4		3/4		3/4		3/4		3/4	
4	20	4	150	4	311	4	457	4	513	4		4		4		4		4	
1/4	22	1/4	153	1/4	314	1/4	459	1/4	513	1/4		1/4		1/4		1/4		1/4	
1/2	24	1/2	156	1/2	317	1/2	462	1/2	513	1/2		1/2		1/2		1/2		1/2	
3/4	26	3/4	159	3/4	321	3/4	464	3/4	513	3/4		3/4		3/4		3/4		3/4	
5	28	5	163	5	324	5	467	5	513	5		5		5		5		5	
1/4	31	1/4	166	1/4	327	1/4	469	1/4	513	1/4		1/4		1/4		1/4		1/4	
1/2	33	1/2	169	1/2	331	1/2	471	1/2	513	1/2		1/2		1/2		1/2		1/2	
3/4	35	3/4	172	3/4	334	3/4	474	3/4	513	3/4		3/4		3/4		3/4		3/4	
6	37	6	176	6	337	6	476	6	513	6		6		6		6		6	
1/4	39	1/4	179	1/4	341	1/4	478	1/4	513	1/4		1/4		1/4		1/4		1/4	
1/2	42	1/2	182	1/2	344	1/2	480	1/2	513	1/2		1/2		1/2		1/2		1/2	
3/4	44	3/4	186	3/4	347	3/4	483	3/4	513	3/4		3/4		3/4		3/4		3/4	
7	46	7	189	7	350	7	485	7	513	7		7		7		7		7	
1/4	49	1/4	192	1/4	354	1/4	487	1/4	513	1/4		1/4		1/4		1/4		1/4	
1/2	51	1/2	196	1/2	357	1/2	489	1/2	513	1/2		1/2		1/2		1/2		1/2	
3/4	54	3/4	199	3/4	360	3/4	491	3/4	513	3/4		3/4		3/4		3/4		3/4	
8	56	8	202	8	363	8	493	8	513	8		8		8		8		8	
1/4	59	1/4	206	1/4	367	1/4	494	1/4	513	1/4		1/4		1/4		1/4		1/4	
1/2	61	1/2	209	1/2	370	1/2	496	1/2	513	1/2		1/2		1/2		1/2		1/2	
3/4	64	3/4	212	3/4	373	3/4	498	3/4	513	3/4		3/4		3/4		3/4		3/4	
9	67	9	216	9	376	9	500	9	513	9		9		9		9		9	
1/4	69	1/4	219	1/4	379	1/4	501	1/4	513	1/4		1/4		1/4		1/4		1/4	
1/2	72	1/2	223	1/2	382	1/2	503	1/2	513	1/2		1/2		1/2		1/2		1/2	
3/4	75	3/4	226	3/4	385	3/4	504	3/4	513	3/4		3/4		3/4		3/4		3/4	
10	77	10	229	10	389	10	506	10	513	10		10		10		10		10	
1/4	80	1/4	233	1/4	392	1/4	507	1/4	513	1/4		1/4		1/4		1/4		1/4	
1/2	83	1/2	236	1/2	395	1/2	508	1/2	513	1/2		1/2		1/2		1/2		1/2	
3/4	86	3/4	240	3/4	398	3/4	509	3/4	513	3/4		3/4		3/4		3/4		3/4	
11	89	11	243	11	401	11	510	11	513	11		11		11		11		11	
1/4	92	1/4	246	1/4	404	1/4	511	1/4	513	1/4		1/4		1/4		1/4		1/4	
1/2	95	1/2	250	1/2	407	1/2	512	1/2	513	1/2		1/2		1/2		1/2		1/2	
3/4	97	3/4	253	3/4	410	3/4	512	3/4	513	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: 07/12/2013 SW
 CALCULATED: 07/14/2013 CL
 REPRINTED: 05/11/2023 PMA

CANCELS AND SUPERCEDES
 ALL PRIOR TO 05/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "KIRBY 29164"

SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "SMS 30047"

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	433	0	1,021	0	1,641	0	2,206	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	
1/2	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	
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	
1	21	1	479	1	1,073	1	1,691	1	2,247	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	
1/2	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	
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	
2	48	2	525	2	1,124	2	1,741	2	2,287	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	
1/2	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	
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	78	3	572	3	1,176	3	1,791	3	2,326	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	
1/2	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	
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	
4	111	4	620	4	1,228	4	1,840	4	2,362	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	
1/2	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	
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	
5	146	5	669	5	1,280	5	1,888	5	2,397	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	
1/2	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	
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	
6	183	6	718	6	1,332	6	1,936	6	2,430	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	
1/2	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	
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	
7	221	7	767	7	1,384	7	1,983	7	2,460	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	
1/2	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	
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	
8	261	8	817	8	1,436	8	2,030	8	2,487	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	
1/2	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	
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	
9	302	9	868	9	1,487	9	2,075	9	2,508	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	
1/2	324	1/2	893	1/2	1,513	1/2	2,098	1/2		1/2		1/2		1/2		1/2		1/2	
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	
10	345	10	919	10	1,539	10	2,120	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	
1/2	367	1/2	944	1/2	1,564	1/2	2,142	1/2		1/2		1/2		1/2		1/2		1/2	
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	
11	388	11	970	11	1,590	11	2,163	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	
1/2	411	1/2	995	1/2	1,615	1/2	2,185	1/2		1/2		1/2		1/2		1/2		1/2	
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	

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: 07/12/2013 SW
 CALCULATED: 07/14/2013 CL
 REPRINTED: 05/11/2023 PMA

CANCELS AND SUPERCEDES
 ALL PRIOR TO 05/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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