



BARGE "KIRBY 30036"

ULLAGE (MMC)
FORMERLY "SMI 30037"

	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	00-3/4	- 00-3/4	01-3/8	- 01-3/8	02-1/8	- 02-1/8	02-3/4	- 02-3/4	03-1/2	- 03-1/2	04-1/8	- 04-1/8
3 STBD	00-3/4	- 00-3/4	01-3/8	- 01-3/8	02-1/8	- 02-1/8	02-3/4	- 02-3/4	03-1/2	- 03-1/2	04-1/8	- 04-1/8

(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 01-3/8"
 FOR A MEASURED INNGAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED INNGAGE IS 3'-10 5/8"

LENGTH BETWEEN DRAFT MARKS: 235'-03"

February 24, 2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 30036"

1 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30037"

GAUGE HEIGHT 15'-02 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	5,484.91	0	5,071.78	0	4,657.43	0	4,243.05	0	3,828.68	0	3,414.29	0	2,999.72	0	2,585.15		
1/4	1/4	5,864.75	1/4	5,476.34	1/4	5,063.15	1/4	4,648.79	1/4	4,234.42	1/4	3,820.05	1/4	3,405.65	1/4	2,991.08	1/4	2,576.52	1/4		
1/2	1/2	5,859.57	1/2	5,467.77	1/2	5,054.53	1/2	4,640.16	1/2	4,225.79	1/2	3,811.41	1/2	3,397.01	1/2	2,982.45	1/2	2,567.88	1/2		
3/4	3/4	5,854.39	3/4	5,459.20	3/4	5,045.90	3/4	4,631.53	3/4	4,217.15	3/4	3,802.78	3/4	3,388.38	3/4	2,973.81	3/4	2,559.24	3/4		
1		1		1	5,849.20	1	5,450.63	1	5,037.27	1	4,622.90	1	4,208.52	1	3,794.15	1	2,965.17	1	2,550.61		
1/4	1/4	5,842.79	1/4	5,442.03	1/4	5,028.64	1/4	4,614.26	1/4	4,199.89	1/4	3,785.51	1/4	3,371.10	1/4	2,956.54	1/4	2,541.97	1/4		
1/2	1/2	5,836.37	1/2	5,433.43	1/2	5,020.01	1/2	4,605.63	1/2	4,191.26	1/2	3,776.88	1/2	3,362.47	1/2	2,947.90	1/2	2,533.33	1/2		
3/4	3/4	5,829.95	3/4	5,424.83	3/4	5,011.37	3/4	4,597.00	3/4	4,182.62	3/4	3,768.25	3/4	3,353.83	3/4	2,939.26	3/4	2,524.70	3/4		
2		2		2	5,823.54	2	5,416.22	2	5,002.74	2	4,588.37	2	4,173.99	2	3,759.62	2	2,930.63	2	2,516.06		
1/4	1/4	5,815.89	1/4	5,407.61	1/4	4,994.11	1/4	4,579.73	1/4	4,165.36	1/4	3,750.98	1/4	3,336.56	1/4	2,921.99	1/4	2,507.42	1/4		
1/2	1/2	5,808.24	1/2	5,399.00	1/2	4,985.47	1/2	4,571.10	1/2	4,156.73	1/2	3,742.35	1/2	3,327.92	1/2	2,913.35	1/2	2,498.79	1/2		
3/4	3/4	5,800.59	3/4	5,390.39	3/4	4,976.84	3/4	4,562.47	3/4	4,148.09	3/4	3,733.72	3/4	3,319.28	3/4	2,904.72	3/4	2,490.15	3/4		
3		3		3	5,792.93	3	5,381.78	3	4,968.21	3	4,553.83	3	4,139.46	3	3,725.09	3	2,896.08	3	2,481.51		
1/4	1/4	5,784.51	1/4	5,373.17	1/4	4,959.58	1/4	4,545.20	1/4	4,130.83	1/4	3,716.45	1/4	3,302.01	1/4	2,887.44	1/4	2,472.88	1/4		
1/2	1/2	5,776.09	1/2	5,364.56	1/2	4,950.94	1/2	4,536.57	1/2	4,122.19	1/2	3,707.82	1/2	3,293.37	1/2	2,878.81	1/2	2,464.24	1/2		
3/4	3/4	5,767.67	3/4	5,355.95	3/4	4,942.31	3/4	4,527.94	3/4	4,113.56	3/4	3,699.19	3/4	3,284.73	3/4	2,870.17	3/4	2,455.60	3/4		
4		4		4	5,759.25	4	5,347.34	4	4,933.68	4	4,519.30	4	4,104.93	4	3,690.55	4	2,861.53	4	2,446.97		
1/4	1/4	5,750.67	1/4	5,338.72	1/4	4,925.04	1/4	4,510.67	1/4	4,096.30	1/4	3,681.92	1/4	3,267.46	1/4	2,852.89	1/4	2,438.33	1/4		
1/2	1/2	5,742.10	1/2	5,330.11	1/2	4,916.41	1/2	4,502.04	1/2	4,087.66	1/2	3,673.29	1/2	3,258.82	1/2	2,844.26	1/2	2,429.69	1/2		
3/4	3/4	5,733.52	3/4	5,321.50	3/4	4,907.78	3/4	4,493.40	3/4	4,079.03	3/4	3,664.66	3/4	3,250.19	3/4	2,835.62	3/4	2,421.05	3/4		
5		5		5	5,724.95	5	5,312.89	5	4,899.15	5	4,484.77	5	4,070.40	5	3,656.02	5	2,826.98	5	2,412.42		
1/4	1/4	5,716.37	1/4	5,304.28	1/4	4,890.51	1/4	4,476.14	1/4	4,061.76	1/4	3,647.39	1/4	3,232.91	1/4	2,818.35	1/4	2,403.78	1/4		
1/2	1/2	5,707.80	1/2	5,295.67	1/2	4,881.88	1/2	4,467.51	1/2	4,053.13	1/2	3,638.76	1/2	3,224.28	1/2	2,809.71	1/2	2,395.14	1/2		
3/4	3/4	5,699.22	3/4	5,287.06	3/4	4,873.25	3/4	4,458.87	3/4	4,044.50	3/4	3,630.12	3/4	3,215.64	3/4	2,801.07	3/4	2,386.51	3/4		
6		6		6	5,690.65	6	5,278.45	6	4,864.61	6	4,450.24	6	4,035.87	6	3,621.49	6	2,792.44	6	2,377.87		
1/4	1/4	5,682.07	1/4	5,269.84	1/4	4,855.98	1/4	4,441.61	1/4	4,027.23	1/4	3,612.86	1/4	3,198.37	1/4	2,783.80	1/4	2,369.23	1/4		
1/2	1/2	5,673.50	1/2	5,261.23	1/2	4,847.35	1/2	4,432.97	1/2	4,018.60	1/2	3,604.23	1/2	3,189.73	1/2	2,775.16	1/2	2,360.60	1/2		
3/4	3/4	5,664.92	3/4	5,252.61	3/4	4,838.72	3/4	4,424.34	3/4	4,009.97	3/4	3,595.59	3/4	3,181.09	3/4	2,766.53	3/4	2,351.96	3/4		
7		7		7	5,656.34	7	5,244.00	7	4,830.08	7	4,415.71	7	4,001.33	7	3,586.96	7	2,757.89	7	2,343.32		
1/4	1/4	5,647.77	1/4	5,235.39	1/4	4,821.45	1/4	4,407.08	1/4	3,992.70	1/4	3,578.33	1/4	3,163.82	1/4	2,749.25	1/4	2,334.69	1/4		
1/2	1/2	5,639.20	1/2	5,226.78	1/2	4,812.82	1/2	4,398.44	1/2	3,984.07	1/2	3,569.69	1/2	3,155.18	1/2	2,740.62	1/2	2,326.05	1/2		
3/4	3/4	5,630.63	3/4	5,218.17	3/4	4,804.19	3/4	4,389.81	3/4	3,975.44	3/4	3,561.06	3/4	3,146.55	3/4	2,731.98	3/4	2,317.41	3/4		
8		8		8	5,622.05	8	5,209.56	8	4,795.55	8	4,381.18	8	3,966.80	8	3,552.43	8	2,723.34	8	2,308.78		
1/4	1/4	5,613.48	1/4	5,200.95	1/4	4,786.92	1/4	4,372.55	1/4	3,958.17	1/4	3,543.80	1/4	3,129.27	1/4	2,714.71	1/4	2,300.14	1/4		
1/2	1/2	5,604.91	1/2	5,192.34	1/2	4,778.29	1/2	4,363.91	1/2	3,949.54	1/2	3,535.16	1/2	3,120.64	1/2	2,706.07	1/2	2,291.50	1/2		
3/4	3/4	5,596.34	3/4	5,183.73	3/4	4,769.65	3/4	4,355.28	3/4	3,940.91	3/4	3,526.53	3/4	3,112.00	3/4	2,697.43	3/4	2,282.87	3/4		
9		9		9	5,587.77	9	5,175.11	9	4,761.02	9	4,346.65	9	3,932.27	9	3,517.90	9	2,688.80	9	2,274.23		
1/4	1/4	5,579.20	1/4	5,166.50	1/4	4,752.39	1/4	4,338.01	1/4	3,923.64	1/4	3,509.27	1/4	3,094.73	1/4	2,680.16	1/4	2,265.59	1/4		
1/2	1/2	5,570.63	1/2	5,157.89	1/2	4,743.76	1/2	4,329.38	1/2	3,915.01	1/2	3,500.63	1/2	3,086.09	1/2	2,671.52	1/2	2,256.96	1/2		
3/4	3/4	5,562.06	3/4	5,149.28	3/4	4,735.12	3/4	4,320.75	3/4	3,906.37	3/4	3,492.00	3/4	3,077.45	3/4	2,662.89	3/4	2,248.32	3/4		
10		10		10	5,553.48	10	5,140.67	10	4,726.49	10	4,312.12	10	3,897.74	10	3,483.37	10	2,654.25	10	2,239.68		
1/4	1/4	5,544.91	1/4	5,132.06	1/4	4,717.86	1/4	4,303.48	1/4	3,889.11	1/4	3,474.73	1/4	3,060.18	1/4	2,645.61	1/4	2,231.05	1/4		
1/2	1/2	5,536.34	1/2	5,123.45	1/2	4,709.22	1/2	4,294.85	1/2	3,880.48	1/2	3,466.10	1/2	3,051.54	1/2	2,636.97	1/2	2,222.41	1/2		
3/4	3/4	5,527.77	3/4	5,114.84	3/4	4,700.59	3/4	4,286.22	3/4	3,871.84	3/4	3,457.47	3/4	3,042.90	3/4	2,628.34	3/4	2,213.77	3/4		
11		11		11	5,519.20	11	5,106.23	11	4,691.96	11	4,277.58	11	3,863.21	11	3,448.84	11	2,619.70	11	2,205.13		
1/4	1/4	5,510.63	1/4	5,097.61	1/4	4,683.33	1/4	4,268.95	1/4	3,854.58	1/4	3,440.20	1/4	3,025.63	1/4	2,611.06	1/4	2,196.50	1/4		
1/2	1/2	5,502.06	1/2	5,089.00	1/2	4,674.69	1/2	4,260.32	1/2	3,845.94	1/2	3,431.56	1/2	3,016.99	1/2	2,602.43	1/2	2,187.86	1/2		
3/4	3/4	5,493.48	3/4	5,080.39	3/4	4,666.06	3/4	4,251.69	3/4	3,837.31	3/4	3,422.92	3/4	3,008.36	3/4	2,593.79	3/4	2,179.22	3/4		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 49'-09" FORWARD OF AFT BULKHEAD.

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

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BARGE "KIRBY 30036"

1 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30037"

GAUGE HEIGHT 15'-02 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,170.59	0	1,756.02	0	1,341.54	0	929.10	0	521.08	0	112.35	0		0		0		0	
1/4	2,161.95	1/4	1,747.38	1/4	1,332.94	1/4	920.47	1/4	512.44	1/4	103.86	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,153.31	1/2	1,738.75	1/2	1,324.33	1/2	911.83	1/2	503.80	1/2	95.37	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,144.68	3/4	1,730.11	3/4	1,315.72	3/4	903.19	3/4	495.17	3/4	86.88	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,136.04	1	1,721.47	1	1,307.11	1	894.56	1	486.53	1	78.39	1	1	1	1	1	1	1	1
1/4	2,127.40	1/4	1,712.84	1/4	1,298.52	1/4	885.92	1/4	477.89	1/4	70.59	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,118.77	1/2	1,704.20	1/2	1,289.92	1/2	877.28	1/2	469.26	1/2	62.79	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,110.13	3/4	1,695.56	3/4	1,281.32	3/4	868.65	3/4	460.62	3/4	54.99	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,101.49	2	1,686.93	2	1,272.73	2	860.01	2	451.98	2	47.20	2	2	2	2	2	2	2	2
1/4	2,092.86	1/4	1,678.29	1/4	1,264.13	1/4	851.37	1/4	443.35	1/4	41.26	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,084.22	1/2	1,669.65	1/2	1,255.54	1/2	842.74	1/2	434.71	1/2	35.32	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,075.58	3/4	1,661.02	3/4	1,246.95	3/4	834.10	3/4	426.07	3/4	29.39	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	2,066.95	3	1,652.38	3	1,238.35	3	825.46	3	417.44	3		3	3	3	3	3	3	3	3
1/4	2,058.31	1/4	1,643.74	1/4	1,229.77	1/4	817.00	1/4	408.80	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,049.67	1/2	1,635.11	1/2	1,221.18	1/2	808.54	1/2	400.16	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,041.04	3/4	1,626.47	3/4	1,212.59	3/4	800.08	3/4	391.53	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	2,032.40	4	1,617.83	4	1,204.00	4	791.62	4	382.89	4	4	4	4	4	4	4	4	4	4
1/4	2,023.76	1/4	1,609.20	1/4	1,195.42	1/4	783.21	1/4	374.25	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,015.13	1/2	1,600.56	1/2	1,186.83	1/2	774.81	1/2	365.62	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,006.49	3/4	1,591.92	3/4	1,178.25	3/4	766.41	3/4	356.98	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,997.85	5	1,583.29	5	1,169.66	5	758.00	5	348.34	5	5	5	5	5	5	5	5	5	5
1/4	1,989.21	1/4	1,574.65	1/4	1,161.07	1/4	749.60	1/4	339.80	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,980.58	1/2	1,566.01	1/2	1,152.49	1/2	741.20	1/2	331.25	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,971.94	3/4	1,557.37	3/4	1,143.90	3/4	732.79	3/4	322.70	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,963.30	6	1,548.74	6	1,135.32	6	724.39	6	314.15	6	6	6	6	6	6	6	6	6	6
1/4	1,954.67	1/4	1,540.10	1/4	1,126.73	1/4	715.99	1/4	305.72	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,946.03	1/2	1,531.46	1/2	1,118.15	1/2	707.58	1/2	297.28	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,937.39	3/4	1,522.83	3/4	1,109.56	3/4	699.18	3/4	288.85	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,928.76	7	1,514.19	7	1,100.97	7	690.78	7	280.42	7	7	7	7	7	7	7	7	7	7
1/4	1,920.12	1/4	1,505.55	1/4	1,092.39	1/4	682.37	1/4	272.01	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,911.48	1/2	1,496.92	1/2	1,083.80	1/2	673.97	1/2	263.61	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,902.85	3/4	1,488.28	3/4	1,075.22	3/4	665.57	3/4	255.21	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,894.21	8	1,479.64	8	1,066.63	8	657.16	8	246.80	8	8	8	8	8	8	8	8	8	8
1/4	1,885.57	1/4	1,471.01	1/4	1,058.04	1/4	648.76	1/4	238.40	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,876.94	1/2	1,462.37	1/2	1,049.46	1/2	640.36	1/2	230.00	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,868.30	3/4	1,453.73	3/4	1,040.87	3/4	631.95	3/4	221.59	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,859.66	9	1,445.10	9	1,032.29	9	623.55	9	213.19	9	9	9	9	9	9	9	9	9	9
1/4	1,851.03	1/4	1,436.46	1/4	1,023.70	1/4	615.15	1/4	204.79	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,842.39	1/2	1,427.82	1/2	1,015.11	1/2	606.74	1/2	196.38	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,833.75	3/4	1,419.19	3/4	1,006.53	3/4	598.34	3/4	187.98	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,825.12	10	1,410.55	10	997.94	10	589.94	10	179.58	10	10	10	10	10	10	10	10	10	10
1/4	1,816.48	1/4	1,401.91	1/4	989.36	1/4	581.36	1/4	171.17	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,807.84	1/2	1,393.28	1/2	980.77	1/2	572.78	1/2	162.77	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,799.21	3/4	1,384.64	3/4	972.19	3/4	564.20	3/4	154.37	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,790.57	11	1,376.00	11	963.60	11	555.62	11	145.96	11	11	11	11	11	11	11	11	11	11
1/4	1,781.93	1/4	1,367.39	1/4	954.98	1/4	546.99	1/4	137.56	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,773.29	1/2	1,358.77	1/2	946.35	1/2	538.35	1/2	129.16	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,764.66	3/4	1,350.16	3/4	937.73	3/4	529.71	3/4	120.75	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/06/2012 CL - SW
RECALCULATED: 02/24/2022 PMA
NAME CHANGE: 02/24/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2022

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



BARGE "KIRBY 30036"

1 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30037"

GAUGE HEIGHT 15'-02 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	5,486.51	0	5,073.38	0	4,659.04	0	4,244.67	0	3,830.30	0	3,415.92	0	3,001.36	0	2,586.79		
1/4	1/4	5,866.34	1/4	5,477.94	1/4	5,064.76	1/4	4,650.41	1/4	4,236.04	1/4	3,821.67	1/4	3,407.28	1/4	2,992.72	1/4	2,578.16	1/4		
1/2	1/2	5,861.16	1/2	5,469.37	1/2	5,056.13	1/2	4,641.77	1/2	4,227.40	1/2	3,813.03	1/2	3,398.64	1/2	2,984.08	1/2	2,569.52	1/2		
3/4	3/4	5,855.98	3/4	5,460.80	3/4	5,047.50	3/4	4,633.14	3/4	4,218.77	3/4	3,804.40	3/4	3,390.01	3/4	2,975.45	3/4	2,560.88	3/4		
1		1	5,850.79	1	5,452.22	1	5,038.88	1	4,624.51	1	4,210.14	1	3,795.77	1	3,381.37	1	2,966.81	1	2,552.25		
1/4	1/4	5,844.38	1/4	5,443.62	1/4	5,030.24	1/4	4,615.87	1/4	4,201.50	1/4	3,787.14	1/4	3,372.73	1/4	2,958.17	1/4	2,543.61	1/4		
1/2	1/2	5,837.96	1/2	5,435.02	1/2	5,021.61	1/2	4,607.24	1/2	4,192.87	1/2	3,778.50	1/2	3,364.10	1/2	2,949.54	1/2	2,534.97	1/2		
3/4	3/4	5,831.55	3/4	5,426.42	3/4	5,012.98	3/4	4,598.61	3/4	4,184.24	3/4	3,769.87	3/4	3,355.46	3/4	2,940.90	3/4	2,526.34	3/4		
2		2	5,825.13	2	5,417.82	2	5,004.35	2	4,589.98	2	4,175.61	2	3,761.24	2	3,346.82	2	2,932.26	2	2,517.70		
1/4	1/4	5,817.48	1/4	5,409.21	1/4	4,995.71	1/4	4,581.34	1/4	4,166.97	1/4	3,752.60	1/4	3,338.19	1/4	2,923.63	1/4	2,509.06	1/4		
1/2	1/2	5,809.83	1/2	5,400.60	1/2	4,987.08	1/2	4,572.71	1/2	4,158.34	1/2	3,743.97	1/2	3,329.55	1/2	2,914.99	1/2	2,500.43	1/2		
3/4	3/4	5,802.18	3/4	5,391.99	3/4	4,978.45	3/4	4,564.08	3/4	4,149.71	3/4	3,735.34	3/4	3,320.91	3/4	2,906.35	3/4	2,491.79	3/4		
3		3	5,794.53	3	5,383.38	3	4,969.82	3	4,555.45	3	4,141.08	3	3,726.71	3	3,312.28	3	2,897.72	3	2,483.15		
1/4	1/4	5,786.11	1/4	5,374.77	1/4	4,961.18	1/4	4,546.81	1/4	4,132.44	1/4	3,718.07	1/4	3,303.64	1/4	2,889.08	1/4	2,474.52	1/4		
1/2	1/2	5,777.68	1/2	5,366.16	1/2	4,952.55	1/2	4,538.18	1/2	4,123.81	1/2	3,709.44	1/2	3,295.00	1/2	2,880.44	1/2	2,465.88	1/2		
3/4	3/4	5,769.26	3/4	5,357.54	3/4	4,943.92	3/4	4,529.55	3/4	4,115.18	3/4	3,700.81	3/4	3,286.37	3/4	2,871.80	3/4	2,457.24	3/4		
4		4	5,760.84	4	5,348.93	4	4,935.28	4	4,520.91	4	4,106.55	4	3,692.18	4	3,277.73	4	2,863.17	4	2,448.61		
1/4	1/4	5,752.27	1/4	5,340.32	1/4	4,926.65	1/4	4,512.28	1/4	4,097.91	1/4	3,683.54	1/4	3,269.09	1/4	2,854.53	1/4	2,439.97	1/4		
1/2	1/2	5,743.69	1/2	5,331.71	1/2	4,918.02	1/2	4,503.65	1/2	4,089.28	1/2	3,674.91	1/2	3,260.46	1/2	2,845.89	1/2	2,431.33	1/2		
3/4	3/4	5,735.12	3/4	5,323.10	3/4	4,909.39	3/4	4,495.02	3/4	4,080.65	3/4	3,666.28	3/4	3,251.82	3/4	2,837.26	3/4	2,422.70	3/4		
5		5	5,726.54	5	5,314.49	5	4,900.75	5	4,486.38	5	4,072.01	5	3,657.64	5	3,243.18	5	2,828.62	5	2,414.06		
1/4	1/4	5,717.97	1/4	5,305.88	1/4	4,892.12	1/4	4,477.75	1/4	4,063.38	1/4	3,649.01	1/4	3,234.55	1/4	2,819.98	1/4	2,405.42	1/4		
1/2	1/2	5,709.39	1/2	5,297.27	1/2	4,883.49	1/2	4,469.12	1/2	4,054.75	1/2	3,640.38	1/2	3,225.91	1/2	2,811.35	1/2	2,396.79	1/2		
3/4	3/4	5,700.81	3/4	5,288.66	3/4	4,874.86	3/4	4,460.49	3/4	4,046.12	3/4	3,631.75	3/4	3,217.27	3/4	2,802.71	3/4	2,388.15	3/4		
6		6	5,692.24	6	5,280.05	6	4,866.22	6	4,451.85	6	4,037.48	6	3,623.11	6	3,208.64	6	2,794.07	6	2,379.51		
1/4	1/4	5,683.66	1/4	5,271.43	1/4	4,857.59	1/4	4,443.22	1/4	4,028.85	1/4	3,614.48	1/4	3,200.00	1/4	2,785.44	1/4	2,370.88	1/4		
1/2	1/2	5,675.09	1/2	5,262.82	1/2	4,848.96	1/2	4,434.59	1/2	4,020.22	1/2	3,605.85	1/2	3,191.36	1/2	2,776.80	1/2	2,362.24	1/2		
3/4	3/4	5,666.51	3/4	5,254.21	3/4	4,840.32	3/4	4,425.95	3/4	4,011.59	3/4	3,597.22	3/4	3,182.73	3/4	2,768.16	3/4	2,353.60	3/4		
7		7	5,657.94	7	5,245.60	7	4,831.69	7	4,417.32	7	4,002.95	7	3,588.58	7	3,174.09	7	2,759.53	7	2,344.97		
1/4	1/4	5,649.37	1/4	5,236.99	1/4	4,823.06	1/4	4,408.69	1/4	3,994.32	1/4	3,579.95	1/4	3,165.45	1/4	2,750.89	1/4	2,336.33	1/4		
1/2	1/2	5,640.79	1/2	5,228.38	1/2	4,814.43	1/2	4,400.06	1/2	3,985.69	1/2	3,571.32	1/2	3,156.82	1/2	2,742.25	1/2	2,327.69	1/2		
3/4	3/4	5,632.22	3/4	5,219.77	3/4	4,805.79	3/4	4,391.42	3/4	3,977.05	3/4	3,562.68	3/4	3,148.18	3/4	2,733.62	3/4	2,319.06	3/4		
8		8	5,623.65	8	5,211.16	8	4,797.16	8	4,382.79	8	3,968.42	8	3,554.05	8	3,139.54	8	2,724.98	8	2,310.42		
1/4	1/4	5,615.08	1/4	5,202.55	1/4	4,788.53	1/4	4,374.16	1/4	3,959.79	1/4	3,545.42	1/4	3,130.91	1/4	2,716.34	1/4	2,301.78	1/4		
1/2	1/2	5,606.51	1/2	5,193.94	1/2	4,779.90	1/2	4,365.53	1/2	3,951.16	1/2	3,536.79	1/2	3,122.27	1/2	2,707.71	1/2	2,293.15	1/2		
3/4	3/4	5,597.93	3/4	5,185.32	3/4	4,771.26	3/4	4,356.89	3/4	3,942.52	3/4	3,528.15	3/4	3,113.63	3/4	2,699.07	3/4	2,284.51	3/4		
9		9	5,589.36	9	5,176.71	9	4,762.63	9	4,348.26	9	3,933.89	9	3,519.52	9	3,105.00	9	2,690.43	9	2,275.87		
1/4	1/4	5,580.79	1/4	5,168.10	1/4	4,754.00	1/4	4,339.63	1/4	3,925.26	1/4	3,510.89	1/4	3,096.36	1/4	2,681.80	1/4	2,267.24	1/4		
1/2	1/2	5,572.22	1/2	5,159.49	1/2	4,745.36	1/2	4,331.00	1/2	3,916.63	1/2	3,502.26	1/2	3,087.72	1/2	2,673.16	1/2	2,258.60	1/2		
3/4	3/4	5,563.65	3/4	5,150.88	3/4	4,736.73	3/4	4,322.36	3/4	3,907.99	3/4	3,493.62	3/4	3,079.09	3/4	2,664.52	3/4	2,249.96	3/4		
10		10	5,555.08	10	5,142.27	10	4,728.10	10	4,313.73	10	3,899.36	10	3,484.99	10	3,070.45	10	2,655.89	10	2,241.33		
1/4	1/4	5,546.51	1/4	5,133.66	1/4	4,719.47	1/4	4,305.10	1/4	3,890.73	1/4	3,476.36	1/4	3,061.81	1/4	2,647.25	1/4	2,232.69	1/4		
1/2	1/2	5,537.94	1/2	5,125.05	1/2	4,710.83	1/2	4,296.46	1/2	3,882.09	1/2	3,467.73	1/2	3,053.18	1/2	2,638.61	1/2	2,224.05	1/2		
3/4	3/4	5,529.37	3/4	5,116.44	3/4	4,702.20	3/4	4,287.83	3/4	3,873.46	3/4	3,459.09	3/4	3,044.54	3/4	2,629.98	3/4	2,215.42	3/4		
11		11	5,520.79	11	5,107.83	11	4,693.57	11	4,279.20	11	3,864.83	11	3,450.46	11	3,035.90	11	2,621.34	11	2,206.78		
1/4	1/4	5,512.22	1/4	5,099.21	1/4	4,684.94	1/4	4,270.57	1/4	3,856.20	1/4	3,441.82	1/4	3,027.27	1/4	2,612.70	1/4	2,198.14	1/4		
1/2	1/2	5,503.65	1/2	5,090.60	1/2	4,676.30	1/2	4,261.93	1/2	3,847.56	1/2	3,433.19	1/2	3,018.63	1/2	2,604.07	1/2	2,189.51	1/2		
3/4	3/4	5,495.08	3/4	5,081.99	3/4	4,667.67	3/4	4,253.30	3/4	3,838.93	3/4	3,424.55	3/4	3,009.99	3/4	2,595.43	3/4	2,180.87	3/4		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 49'-09" FORWARD OF AFT BULKHEAD.

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

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



BARGE "KIRBY 30036"

1 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30037"

GAUGE HEIGHT 15'-02 3/4"

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	2,172.23	0	1,757.67	0	1,343.11	0	929.04	0	521.08	0	112.35	0		0		0		0	
1/4	2,163.60	1/4	1,749.03	1/4	1,334.47	1/4	920.41	1/4	512.44	1/4	103.86	1/4		1/4		1/4		1/4	
1/2	2,154.96	1/2	1,740.40	1/2	1,325.84	1/2	911.77	1/2	503.81	1/2	95.37	1/2		1/2		1/2		1/2	
3/4	2,146.32	3/4	1,731.76	3/4	1,317.20	3/4	903.14	3/4	495.17	3/4	86.88	3/4		3/4		3/4		3/4	
1	2,137.69	1	1,723.12	1	1,308.56	1	894.50	1	486.53	1	78.39	1		1		1		1	
1/4	2,129.05	1/4	1,714.49	1/4	1,299.93	1/4	885.86	1/4	477.90	1/4	70.59	1/4		1/4		1/4		1/4	
1/2	2,120.41	1/2	1,705.85	1/2	1,291.30	1/2	877.23	1/2	469.26	1/2	62.79	1/2		1/2		1/2		1/2	
3/4	2,111.78	3/4	1,697.21	3/4	1,282.67	3/4	868.59	3/4	460.62	3/4	54.99	3/4		3/4		3/4		3/4	
2	2,103.14	2	1,688.58	2	1,274.04	2	859.95	2	451.99	2	47.19	2		2		2		2	
1/4	2,094.50	1/4	1,679.94	1/4	1,265.40	1/4	851.32	1/4	443.35	1/4	41.26	1/4		1/4		1/4		1/4	
1/2	2,085.87	1/2	1,671.30	1/2	1,256.77	1/2	842.68	1/2	434.71	1/2	35.32	1/2		1/2		1/2		1/2	
3/4	2,077.23	3/4	1,662.67	3/4	1,248.14	3/4	834.04	3/4	426.08	3/4	29.39	3/4		3/4		3/4		3/4	
3	2,068.59	3	1,654.03	3	1,239.51	3	825.41	3	417.44	3		3		3		3		3	
1/4	2,059.96	1/4	1,645.39	1/4	1,230.89	1/4	816.95	1/4	408.80	1/4		1/4		1/4		1/4		1/4	
1/2	2,051.32	1/2	1,636.76	1/2	1,222.26	1/2	808.48	1/2	400.17	1/2		1/2		1/2		1/2		1/2	
3/4	2,042.68	3/4	1,628.12	3/4	1,213.64	3/4	800.02	3/4	391.53	3/4		3/4		3/4		3/4		3/4	
4	2,034.05	4	1,619.48	4	1,205.02	4	791.56	4	382.89	4		4		4		4		4	
1/4	2,025.41	1/4	1,610.85	1/4	1,196.39	1/4	783.16	1/4	374.26	1/4		1/4		1/4		1/4		1/4	
1/2	2,016.77	1/2	1,602.21	1/2	1,187.77	1/2	774.75	1/2	365.62	1/2		1/2		1/2		1/2		1/2	
3/4	2,008.13	3/4	1,593.57	3/4	1,179.15	3/4	766.35	3/4	356.98	3/4		3/4		3/4		3/4		3/4	
5	1,999.50	5	1,584.94	5	1,170.52	5	757.95	5	348.35	5		5		5		5		5	
1/4	1,990.86	1/4	1,576.30	1/4	1,161.90	1/4	749.54	1/4	339.80	1/4		1/4		1/4		1/4		1/4	
1/2	1,982.22	1/2	1,567.66	1/2	1,153.28	1/2	741.14	1/2	331.25	1/2		1/2		1/2		1/2		1/2	
3/4	1,973.59	3/4	1,559.03	3/4	1,144.66	3/4	732.74	3/4	322.70	3/4		3/4		3/4		3/4		3/4	
6	1,964.95	6	1,550.39	6	1,136.03	6	724.33	6	314.15	6		6		6		6		6	
1/4	1,956.31	1/4	1,541.75	1/4	1,127.41	1/4	715.94	1/4	305.72	1/4		1/4		1/4		1/4		1/4	
1/2	1,947.68	1/2	1,533.12	1/2	1,118.79	1/2	707.54	1/2	297.28	1/2		1/2		1/2		1/2		1/2	
3/4	1,939.04	3/4	1,524.48	3/4	1,110.16	3/4	699.14	3/4	288.85	3/4		3/4		3/4		3/4		3/4	
7	1,930.40	7	1,515.84	7	1,101.54	7	690.74	7	280.42	7		7		7		7		7	
1/4	1,921.77	1/4	1,507.21	1/4	1,092.92	1/4	682.35	1/4	272.02	1/4		1/4		1/4		1/4		1/4	
1/2	1,913.13	1/2	1,498.57	1/2	1,084.30	1/2	673.95	1/2	263.61	1/2		1/2		1/2		1/2		1/2	
3/4	1,904.49	3/4	1,489.93	3/4	1,075.67	3/4	665.55	3/4	255.21	3/4		3/4		3/4		3/4		3/4	
8	1,895.86	8	1,481.30	8	1,067.05	8	657.16	8	246.81	8		8		8		8		8	
1/4	1,887.22	1/4	1,472.66	1/4	1,058.43	1/4	648.76	1/4	238.40	1/4		1/4		1/4		1/4		1/4	
1/2	1,878.58	1/2	1,464.02	1/2	1,049.80	1/2	640.36	1/2	230.00	1/2		1/2		1/2		1/2		1/2	
3/4	1,869.95	3/4	1,455.39	3/4	1,041.18	3/4	631.95	3/4	221.59	3/4		3/4		3/4		3/4		3/4	
9	1,861.31	9	1,446.75	9	1,032.56	9	623.55	9	213.19	9		9		9		9		9	
1/4	1,852.67	1/4	1,438.11	1/4	1,023.94	1/4	615.15	1/4	204.79	1/4		1/4		1/4		1/4		1/4	
1/2	1,844.04	1/2	1,429.48	1/2	1,015.31	1/2	606.75	1/2	196.38	1/2		1/2		1/2		1/2		1/2	
3/4	1,835.40	3/4	1,420.84	3/4	1,006.69	3/4	598.34	3/4	187.98	3/4		3/4		3/4		3/4		3/4	
10	1,826.76	10	1,412.20	10	998.07	10	589.94	10	179.58	10		10		10		10		10	
1/4	1,818.13	1/4	1,403.57	1/4	989.45	1/4	581.36	1/4	171.17	1/4		1/4		1/4		1/4		1/4	
1/2	1,809.49	1/2	1,394.93	1/2	980.82	1/2	572.78	1/2	162.77	1/2		1/2		1/2		1/2		1/2	
3/4	1,800.85	3/4	1,386.29	3/4	972.20	3/4	564.20	3/4	154.37	3/4		3/4		3/4		3/4		3/4	
11	1,792.22	11	1,377.66	11	963.58	11	555.63	11	145.96	11		11		11		11		11	
1/4	1,783.58	1/4	1,369.02	1/4	954.94	1/4	546.99	1/4	137.56	1/4		1/4		1/4		1/4		1/4	
1/2	1,774.94	1/2	1,360.38	1/2	946.31	1/2	538.35	1/2	129.16	1/2		1/2		1/2		1/2		1/2	
3/4	1,766.31	3/4	1,351.75	3/4	937.68	3/4	529.72	3/4	120.75	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/06/2012 CL - SW
RECALCULATED: 02/24/2022 PMA
NAME CHANGE: 02/24/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2022

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



BARGE "KIRBY 30036"

2 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30037"

GAUGE HEIGHT 15'-02 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	4,743.93	0	4,385.85	0	4,026.54	0	3,667.22	0	3,307.90	0	2,948.55	0	2,589.04	0	2,229.52		
1/4	1/4	5,072.94	1/4	4,736.51	1/4	4,378.37	1/4	4,019.06	1/4	3,659.74	1/4	3,300.41	1/4	2,941.06	1/4	2,581.55	1/4	2,222.03			
1/2	1/2	5,068.45	1/2	4,729.08	1/2	4,370.89	1/2	4,011.57	1/2	3,652.25	1/2	3,292.93	1/2	2,933.57	1/2	2,574.06	1/2	2,214.54			
3/4	3/4	5,063.97	3/4	4,721.66	3/4	4,363.41	3/4	4,004.09	3/4	3,644.76	3/4	3,285.44	3/4	2,926.08	3/4	2,566.57	3/4	2,207.05			
1		5,059.48	1	4,714.24	1	4,355.92	1	3,996.60	1	3,637.28	1	3,277.95	1	2,918.59	1	2,559.08	1	2,199.56			
1/4	1/4	5,053.93	1/4	4,706.78	1/4	4,348.44	1/4	3,989.12	1/4	3,629.79	1/4	3,270.47	1/4	2,911.10	1/4	2,551.59	1/4	2,192.07			
1/2	1/2	5,048.37	1/2	4,699.33	1/2	4,340.95	1/2	3,981.63	1/2	3,622.31	1/2	3,262.98	1/2	2,903.61	1/2	2,544.10	1/2	2,184.58			
3/4	3/4	5,042.81	3/4	4,691.87	3/4	4,333.47	3/4	3,974.14	3/4	3,614.82	3/4	3,255.50	3/4	2,896.12	3/4	2,536.61	3/4	2,175.09			
2		5,037.26	2	4,684.42	2	4,325.98	2	3,966.66	2	3,607.33	2	3,248.01	2	2,888.63	2	2,529.12	2	2,169.60			
1/4	1/4	5,030.63	1/4	4,676.95	1/4	4,318.49	1/4	3,959.17	1/4	3,599.85	1/4	3,240.53	1/4	2,881.14	1/4	2,521.63	1/4	2,162.11			
1/2	1/2	5,024.00	1/2	4,669.49	1/2	4,311.01	1/2	3,951.69	1/2	3,592.36	1/2	3,233.04	1/2	2,873.65	1/2	2,514.14	1/2	2,154.62			
3/4	3/4	5,017.38	3/4	4,662.03	3/4	4,303.52	3/4	3,944.20	3/4	3,584.88	3/4	3,225.55	3/4	2,866.16	3/4	2,506.65	3/4	2,147.13			
3		5,010.75	3	4,654.56	3	4,296.04	3	3,936.71	3	3,577.39	3	3,218.07	3	2,858.67	3	2,499.16	3	2,139.64			
1/4	1/4	5,003.45	1/4	4,647.10	1/4	4,288.55	1/4	3,929.23	1/4	3,569.90	1/4	3,210.58	1/4	2,851.18	1/4	2,491.67	1/4	2,132.15			
1/2	1/2	4,996.16	1/2	4,639.63	1/2	4,281.07	1/2	3,921.74	1/2	3,562.42	1/2	3,203.10	1/2	2,843.69	1/2	2,484.18	1/2	2,124.66			
3/4	3/4	4,988.86	3/4	4,632.17	3/4	4,273.58	3/4	3,914.26	3/4	3,554.93	3/4	3,195.61	3/4	2,836.20	3/4	2,476.69	3/4	2,117.17			
4		4,981.57	4	4,624.71	4	4,266.09	4	3,906.77	4	3,547.45	4	3,188.12	4	2,828.71	4	2,469.20	4	2,109.68			
1/4	1/4	4,974.14	1/4	4,617.24	1/4	4,258.61	1/4	3,899.28	1/4	3,539.96	1/4	3,180.64	1/4	2,821.22	1/4	2,461.71	1/4	2,102.19			
1/2	1/2	4,966.71	1/2	4,609.78	1/2	4,251.12	1/2	3,891.80	1/2	3,532.48	1/2	3,173.15	1/2	2,813.73	1/2	2,454.22	1/2	2,094.70			
3/4	3/4	4,959.28	3/4	4,602.31	3/4	4,243.64	3/4	3,884.31	3/4	3,524.99	3/4	3,165.67	3/4	2,806.24	3/4	2,446.73	3/4	2,087.21			
5		4,951.85	5	4,594.85	5	4,236.15	5	3,876.83	5	3,517.50	5	3,158.18	5	2,798.75	5	2,439.24	5	2,079.72			
1/4	1/4	4,944.43	1/4	4,587.38	1/4	4,228.66	1/4	3,869.34	1/4	3,510.02	1/4	3,150.69	1/4	2,791.26	1/4	2,431.75	1/4	2,072.23			
1/2	1/2	4,937.00	1/2	4,579.92	1/2	4,221.18	1/2	3,861.86	1/2	3,502.53	1/2	3,143.21	1/2	2,783.77	1/2	2,424.26	1/2	2,064.74			
3/4	3/4	4,929.57	3/4	4,572.46	3/4	4,213.69	3/4	3,854.37	3/4	3,495.05	3/4	3,135.72	3/4	2,776.28	3/4	2,416.77	3/4	2,057.25			
6		4,922.14	6	4,564.99	6	4,206.21	6	3,846.88	6	3,487.56	6	3,128.24	6	2,768.79	6	2,409.28	6	2,049.76			
1/4	1/4	4,914.71	1/4	4,557.53	1/4	4,198.72	1/4	3,839.40	1/4	3,480.07	1/4	3,120.75	1/4	2,761.30	1/4	2,401.79	1/4	2,042.27			
1/2	1/2	4,907.28	1/2	4,550.06	1/2	4,191.23	1/2	3,831.91	1/2	3,472.59	1/2	3,113.26	1/2	2,753.81	1/2	2,394.30	1/2	2,034.78			
3/4	3/4	4,899.85	3/4	4,542.60	3/4	4,183.75	3/4	3,824.43	3/4	3,465.10	3/4	3,105.78	3/4	2,746.32	3/4	2,386.81	3/4	2,027.29			
7		4,892.43	7	4,535.13	7	4,176.26	7	3,816.94	7	3,457.62	7	3,098.29	7	2,738.83	7	2,379.32	7	2,019.80			
1/4	1/4	4,885.00	1/4	4,527.67	1/4	4,168.78	1/4	3,809.45	1/4	3,450.13	1/4	3,090.81	1/4	2,731.34	1/4	2,371.83	1/4	2,012.31			
1/2	1/2	4,877.58	1/2	4,520.21	1/2	4,161.29	1/2	3,801.97	1/2	3,442.64	1/2	3,083.32	1/2	2,723.85	1/2	2,364.34	1/2	2,004.82			
3/4	3/4	4,870.15	3/4	4,512.74	3/4	4,153.81	3/4	3,794.48	3/4	3,435.16	3/4	3,075.84	3/4	2,716.36	3/4	2,356.85	3/4	1,997.33			
8		4,862.72	8	4,505.28	8	4,146.32	8	3,787.00	8	3,427.67	8	3,068.35	8	2,708.87	8	2,349.36	8	1,989.84			
1/4	1/4	4,855.30	1/4	4,497.81	1/4	4,138.83	1/4	3,779.51	1/4	3,420.19	1/4	3,060.86	1/4	2,701.38	1/4	2,341.87	1/4	1,982.35			
1/2	1/2	4,847.87	1/2	4,490.35	1/2	4,131.35	1/2	3,772.02	1/2	3,412.70	1/2	3,053.38	1/2	2,693.89	1/2	2,334.38	1/2	1,974.86			
3/4	3/4	4,840.45	3/4	4,482.89	3/4	4,123.86	3/4	3,764.54	3/4	3,405.22	3/4	3,045.89	3/4	2,686.41	3/4	2,326.89	3/4	1,967.37			
9		4,833.03	9	4,475.42	9	4,116.38	9	3,757.05	9	3,397.73	9	3,038.41	9	2,678.92	9	2,319.40	9	1,959.88			
1/4	1/4	4,825.60	1/4	4,467.96	1/4	4,108.89	1/4	3,749.57	1/4	3,390.24	1/4	3,030.92	1/4	2,671.43	1/4	2,311.91	1/4	1,952.39			
1/2	1/2	4,818.18	1/2	4,460.49	1/2	4,101.40	1/2	3,742.08	1/2	3,382.76	1/2	3,023.43	1/2	2,663.94	1/2	2,304.42	1/2	1,944.90			
3/4	3/4	4,810.75	3/4	4,453.03	3/4	4,093.92	3/4	3,734.59	3/4	3,375.27	3/4	3,015.95	3/4	2,656.45	3/4	2,296.93	3/4	1,937.42			
10		4,803.33	10	4,445.56	10	4,086.43	10	3,727.11	10	3,367.79	10	3,008.46	10	2,648.96	10	2,289.44	10	1,929.93			
1/4	1/4	4,795.90	1/4	4,438.10	1/4	4,078.95	1/4	3,719.62	1/4	3,360.30	1/4	3,000.98	1/4	2,641.47	1/4	2,281.95	1/4	1,922.44			
1/2	1/2	4,788.48	1/2	4,430.64	1/2	4,071.46	1/2	3,712.14	1/2	3,352.81	1/2	2,993.49	1/2	2,633.98	1/2	2,274.46	1/2	1,914.95			
3/4	3/4	4,781.06	3/4	4,423.17	3/4	4,063.97	3/4	3,704.65	3/4	3,345.33	3/4	2,986.00	3/4	2,626.49	3/4	2,266.97	3/4	1,907.46			
11		4,773.63	11	4,415.71	11	4,056.49	11	3,697.17	11	3,337.84	11	2,978.52	11	2,619.00	11	2,259.48	11	1,899.97			
1/4	1/4	4,766.21	1/4	4,408.24	1/4	4,049.00	1/4	3,689.68	1/4	3,330.36	1/4	2,971.03	1/4	2,611.51	1/4	2,251.99	1/4	1,892.48			
1/2	1/2	4,758.78	1/2	4,400.78	1/2	4,041.52	1/2	3,682.19	1/2	3,322.87	1/2	2,963.54	1/2	2,604.02	1/2	2,244.50	1/2	1,884.99			
3/4	3/4	4,751.36	3/4	4,393.31	3/4	4,034.03	3/4	3,674.71	3/4	3,315.38	3/4	2,956.04	3/4	2,596.53	3/4	2,237.01	3/4	1,877.50			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

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

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



BARGE "KIRBY 30036"

2 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30037"

GAUGE HEIGHT 15'-02 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,870.01	0	1,510.49	0	1,151.82	0	805.84	0	451.99	0	97.54	0		0		0		0	
1/4	1,862.52	1/4	1,503.00	1/4	1,144.62	1/4	798.35	1/4	444.50	1/4	90.18	1/4		1/4		1/4		1/4	
1/2	1,855.03	1/2	1,495.51	1/2	1,137.41	1/2	790.86	1/2	437.01	1/2	82.81	1/2		1/2		1/2		1/2	
3/4	1,847.54	3/4	1,488.02	3/4	1,130.20	3/4	783.37	3/4	429.52	3/4	75.45	3/4		3/4		3/4		3/4	
1	1,840.05	1	1,480.53	1	1,123.00	1	775.88	1	422.03	1	68.09	1		1		1		1	
1/4	1,832.56	1/4	1,473.04	1/4	1,115.80	1/4	768.39	1/4	414.54	1/4	61.33	1/4		1/4		1/4		1/4	
1/2	1,825.07	1/2	1,465.55	1/2	1,108.60	1/2	760.90	1/2	407.05	1/2	54.56	1/2		1/2		1/2		1/2	
3/4	1,817.58	3/4	1,458.06	3/4	1,101.41	3/4	753.41	3/4	399.57	3/4	47.80	3/4		3/4		3/4		3/4	
2	1,810.09	2	1,450.57	2	1,094.21	2	745.92	2	392.08	2	41.04	2		2		2		2	
1/4	1,802.60	1/4	1,443.08	1/4	1,087.02	1/4	738.43	1/4	384.59	1/4	35.89	1/4		1/4		1/4		1/4	
1/2	1,795.11	1/2	1,435.59	1/2	1,079.83	1/2	730.94	1/2	377.10	1/2	30.74	1/2		1/2		1/2		1/2	
3/4	1,787.62	3/4	1,428.10	3/4	1,072.63	3/4	723.45	3/4	369.61	3/4	25.59	3/4		3/4		3/4		3/4	
3	1,780.13	3	1,420.61	3	1,065.44	3	715.96	3	362.12	3		3		3		3		3	
1/4	1,772.64	1/4	1,413.12	1/4	1,058.25	1/4	708.62	1/4	354.63	1/4		1/4		1/4		1/4		1/4	
1/2	1,765.15	1/2	1,405.63	1/2	1,051.06	1/2	701.29	1/2	347.14	1/2		1/2		1/2		1/2		1/2	
3/4	1,757.66	3/4	1,398.14	3/4	1,043.88	3/4	693.95	3/4	339.65	3/4		3/4		3/4		3/4		3/4	
4	1,750.17	4	1,390.65	4	1,036.69	4	686.61	4	332.16	4		4		4		4		4	
1/4	1,742.68	1/4	1,383.16	1/4	1,029.50	1/4	679.32	1/4	324.67	1/4		1/4		1/4		1/4		1/4	
1/2	1,735.19	1/2	1,375.67	1/2	1,022.32	1/2	672.03	1/2	317.18	1/2		1/2		1/2		1/2		1/2	
3/4	1,727.70	3/4	1,368.18	3/4	1,015.13	3/4	664.75	3/4	309.69	3/4		3/4		3/4		3/4		3/4	
5	1,720.21	5	1,360.69	5	1,007.95	5	657.46	5	302.20	5		5		5		5		5	
1/4	1,712.72	1/4	1,353.20	1/4	1,000.76	1/4	650.17	1/4	294.79	1/4		1/4		1/4		1/4		1/4	
1/2	1,705.23	1/2	1,345.71	1/2	993.57	1/2	642.88	1/2	287.37	1/2		1/2		1/2		1/2		1/2	
3/4	1,697.74	3/4	1,338.22	3/4	986.39	3/4	635.60	3/4	279.96	3/4		3/4		3/4		3/4		3/4	
6	1,690.25	6	1,330.73	6	979.20	6	628.31	6	272.54	6		6		6		6		6	
1/4	1,682.76	1/4	1,323.24	1/4	972.02	1/4	621.02	1/4	265.23	1/4		1/4		1/4		1/4		1/4	
1/2	1,675.27	1/2	1,315.75	1/2	964.83	1/2	613.73	1/2	257.92	1/2		1/2		1/2		1/2		1/2	
3/4	1,667.78	3/4	1,308.26	3/4	957.65	3/4	606.45	3/4	250.61	3/4		3/4		3/4		3/4		3/4	
7	1,660.29	7	1,300.77	7	950.46	7	599.16	7	243.29	7		7		7		7		7	
1/4	1,652.80	1/4	1,293.28	1/4	943.28	1/4	591.87	1/4	236.01	1/4		1/4		1/4		1/4		1/4	
1/2	1,645.31	1/2	1,285.79	1/2	936.09	1/2	584.58	1/2	228.72	1/2		1/2		1/2		1/2		1/2	
3/4	1,637.82	3/4	1,278.30	3/4	928.91	3/4	577.30	3/4	221.43	3/4		3/4		3/4		3/4		3/4	
8	1,630.33	8	1,270.81	8	921.72	8	570.01	8	214.14	8		8		8		8		8	
1/4	1,622.84	1/4	1,263.32	1/4	914.53	1/4	562.72	1/4	206.86	1/4		1/4		1/4		1/4		1/4	
1/2	1,615.35	1/2	1,255.83	1/2	907.35	1/2	555.43	1/2	199.57	1/2		1/2		1/2		1/2		1/2	
3/4	1,607.86	3/4	1,248.34	3/4	900.16	3/4	548.15	3/4	192.28	3/4		3/4		3/4		3/4		3/4	
9	1,600.37	9	1,240.85	9	892.98	9	540.86	9	184.99	9		9		9		9		9	
1/4	1,592.88	1/4	1,233.36	1/4	885.79	1/4	533.57	1/4	177.71	1/4		1/4		1/4		1/4		1/4	
1/2	1,585.39	1/2	1,225.87	1/2	878.61	1/2	526.28	1/2	170.42	1/2		1/2		1/2		1/2		1/2	
3/4	1,577.90	3/4	1,218.38	3/4	871.42	3/4	519.00	3/4	163.13	3/4		3/4		3/4		3/4		3/4	
10	1,570.41	10	1,210.89	10	864.24	10	511.71	10	155.84	10		10		10		10		10	
1/4	1,562.92	1/4	1,203.40	1/4	857.05	1/4	504.27	1/4	148.55	1/4		1/4		1/4		1/4		1/4	
1/2	1,555.43	1/2	1,195.91	1/2	849.86	1/2	496.83	1/2	141.27	1/2		1/2		1/2		1/2		1/2	
3/4	1,547.94	3/4	1,188.43	3/4	842.68	3/4	489.39	3/4	133.98	3/4		3/4		3/4		3/4		3/4	
11	1,540.45	11	1,180.94	11	835.49	11	481.95	11	126.69	11		11		11		11		11	
1/4	1,532.96	1/4	1,173.66	1/4	828.08	1/4	474.46	1/4	119.40	1/4		1/4		1/4		1/4		1/4	
1/2	1,525.47	1/2	1,166.38	1/2	820.67	1/2	466.97	1/2	112.12	1/2		1/2		1/2		1/2		1/2	
3/4	1,517.98	3/4	1,159.10	3/4	813.25	3/4	459.48	3/4	104.83	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/06/2012 CL - SW
RECALCULATED: 02/24/2022 PMA
NAME CHANGE: 02/24/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2022

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



BARGE "KIRBY 30036"

2 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30037"

GAUGE HEIGHT 15'-03"

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	4,764.13	0	4,406.17	0	4,046.98	0	3,687.74	0	3,328.50	0	2,969.25	0	2,609.82	0	2,250.39		
1/4	1/4			1/4	4,756.70	1/4	4,398.71	1/4	4,039.49	1/4	3,680.25	1/4	3,321.02	1/4	2,961.76	1/4	2,602.33	1/4	2,242.91		
1/2	1/2	5,085.63		1/2	4,749.28	1/2	4,391.23	1/2	4,032.01	1/2	3,672.77	1/2	3,313.53	1/2	2,954.27	1/2	2,594.85	1/2	2,235.42		
3/4	3/4	5,081.15		3/4	4,741.86	3/4	4,383.75	3/4	4,024.52	3/4	3,665.29	3/4	3,306.05	3/4	2,946.79	3/4	2,587.36	3/4	2,227.93		
1		1	5,076.66	1	4,734.43	1	4,376.27	1	4,017.04	1	3,657.80	1	3,298.57	1	2,939.30	1	2,579.87	1	2,220.44		
1/4	1/4		5,072.18	1/4	4,727.01	1/4	4,368.79	1/4	4,009.56	1/4	3,650.32	1/4	3,291.08	1/4	2,931.81	1/4	2,572.38	1/4	2,212.95		
1/2	1/2		5,066.62	1/2	4,719.56	1/2	4,361.31	1/2	4,002.07	1/2	3,642.83	1/2	3,283.60	1/2	2,924.32	1/2	2,564.89	1/2	2,205.46		
3/4	3/4		5,061.07	3/4	4,712.11	3/4	4,353.82	3/4	3,994.59	3/4	3,635.35	3/4	3,276.11	3/4	2,916.83	3/4	2,557.41	3/4	2,197.98		
2		2	5,055.51	2	4,704.66	2	4,346.34	2	3,987.10	2	3,627.87	2	3,268.63	2	2,909.35	2	2,549.92	2	2,190.49		
1/4	1/4		5,049.96	1/4	4,697.20	1/4	4,338.86	1/4	3,979.62	1/4	3,620.38	1/4	3,261.14	1/4	2,901.86	1/4	2,542.43	1/4	2,183.00		
1/2	1/2		5,043.33	1/2	4,689.74	1/2	4,331.37	1/2	3,972.13	1/2	3,612.90	1/2	3,253.66	1/2	2,894.37	1/2	2,534.94	1/2	2,175.51		
3/4	3/4		5,036.71	3/4	4,682.28	3/4	4,323.89	3/4	3,964.65	3/4	3,605.41	3/4	3,246.18	3/4	2,886.88	3/4	2,527.45	3/4	2,168.02		
3		3	5,030.08	3	4,674.82	3	4,316.40	3	3,957.17	3	3,597.93	3	3,238.69	3	2,879.39	3	2,519.97	3	2,160.54		
1/4	1/4		5,023.45	1/4	4,667.35	1/4	4,308.92	1/4	3,949.68	1/4	3,590.45	1/4	3,231.21	1/4	2,871.91	1/4	2,512.48	1/4	2,153.05		
1/2	1/2		5,016.16	1/2	4,659.89	1/2	4,301.43	1/2	3,942.20	1/2	3,582.96	1/2	3,223.72	1/2	2,864.42	1/2	2,504.99	1/2	2,145.56		
3/4	3/4		5,008.87	3/4	4,652.43	3/4	4,293.95	3/4	3,934.71	3/4	3,575.48	3/4	3,216.24	3/4	2,856.93	3/4	2,497.50	3/4	2,138.07		
4		4	5,001.57	4	4,644.97	4	4,286.47	4	3,927.23	4	3,567.99	4	3,208.76	4	2,849.44	4	2,490.01	4	2,130.58		
1/4	1/4		4,994.28	1/4	4,637.50	1/4	4,278.98	1/4	3,919.75	1/4	3,560.51	1/4	3,201.27	1/4	2,841.95	1/4	2,482.52	1/4	2,123.10		
1/2	1/2		4,986.85	1/2	4,630.04	1/2	4,271.50	1/2	3,912.26	1/2	3,553.02	1/2	3,193.79	1/2	2,834.47	1/2	2,475.04	1/2	2,115.61		
3/4	3/4		4,979.43	3/4	4,622.58	3/4	4,264.01	3/4	3,904.78	3/4	3,545.54	3/4	3,186.30	3/4	2,826.98	3/4	2,467.55	3/4	2,108.12		
5		5	4,972.00	5	4,615.12	5	4,256.53	5	3,897.29	5	3,538.06	5	3,178.82	5	2,819.49	5	2,460.06	5	2,100.63		
1/4	1/4		4,964.57	1/4	4,607.65	1/4	4,249.05	1/4	3,889.81	1/4	3,530.57	1/4	3,171.34	1/4	2,812.00	1/4	2,452.57	1/4	2,093.14		
1/2	1/2		4,957.15	1/2	4,600.19	1/2	4,241.56	1/2	3,882.33	1/2	3,523.09	1/2	3,163.85	1/2	2,804.51	1/2	2,445.08	1/2	2,085.66		
3/4	3/4		4,949.72	3/4	4,592.73	3/4	4,234.08	3/4	3,874.84	3/4	3,515.60	3/4	3,156.37	3/4	2,797.02	3/4	2,437.60	3/4	2,078.17		
6		6	4,942.29	6	4,585.27	6	4,226.59	6	3,867.36	6	3,508.12	6	3,148.88	6	2,789.54	6	2,430.11	6	2,070.68		
1/4	1/4		4,934.87	1/4	4,577.80	1/4	4,219.11	1/4	3,859.87	1/4	3,500.64	1/4	3,141.40	1/4	2,782.05	1/4	2,422.62	1/4	2,063.19		
1/2	1/2		4,927.44	1/2	4,570.34	1/2	4,211.63	1/2	3,852.39	1/2	3,493.15	1/2	3,133.92	1/2	2,774.56	1/2	2,415.13	1/2	2,055.70		
3/4	3/4		4,920.01	3/4	4,562.88	3/4	4,204.14	3/4	3,844.90	3/4	3,485.67	3/4	3,126.43	3/4	2,767.07	3/4	2,407.64	3/4	2,048.21		
7		7	4,912.59	7	4,555.42	7	4,196.66	7	3,837.42	7	3,478.18	7	3,118.95	7	2,759.58	7	2,400.16	7	2,040.73		
1/4	1/4		4,905.16	1/4	4,547.95	1/4	4,189.17	1/4	3,829.94	1/4	3,470.70	1/4	3,111.46	1/4	2,752.10	1/4	2,392.67	1/4	2,033.24		
1/2	1/2		4,897.74	1/2	4,540.49	1/2	4,181.69	1/2	3,822.45	1/2	3,463.22	1/2	3,103.98	1/2	2,744.61	1/2	2,385.18	1/2	2,025.75		
3/4	3/4		4,890.31	3/4	4,533.03	3/4	4,174.21	3/4	3,814.97	3/4	3,455.73	3/4	3,096.49	3/4	2,737.12	3/4	2,377.69	3/4	2,018.26		
8		8	4,882.89	8	4,525.57	8	4,166.72	8	3,807.48	8	3,448.25	8	3,089.01	8	2,729.63	8	2,370.20	8	2,010.77		
1/4	1/4		4,875.46	1/4	4,518.11	1/4	4,159.24	1/4	3,800.00	1/4	3,440.76	1/4	3,081.53	1/4	2,722.14	1/4	2,362.71	1/4	2,003.29		
1/2	1/2		4,868.04	1/2	4,510.64	1/2	4,151.75	1/2	3,792.52	1/2	3,433.28	1/2	3,074.04	1/2	2,714.66	1/2	2,355.23	1/2	1,995.80		
3/4	3/4		4,860.62	3/4	4,503.18	3/4	4,144.27	3/4	3,785.03	3/4	3,425.80	3/4	3,066.56	3/4	2,707.17	3/4	2,347.74	3/4	1,988.31		
9		9	4,853.20	9	4,495.72	9	4,136.78	9	3,777.55	9	3,418.31	9	3,059.07	9	2,699.68	9	2,340.25	9	1,980.82		
1/4	1/4		4,845.77	1/4	4,488.26	1/4	4,129.30	1/4	3,770.06	1/4	3,410.83	1/4	3,051.59	1/4	2,692.19	1/4	2,332.76	1/4	1,973.33		
1/2	1/2		4,838.35	1/2	4,480.79	1/2	4,121.82	1/2	3,762.58	1/2	3,403.34	1/2	3,044.11	1/2	2,684.70	1/2	2,325.27	1/2	1,965.85		
3/4	3/4		4,830.93	3/4	4,473.33	3/4	4,114.33	3/4	3,755.10	3/4	3,395.86	3/4	3,036.62	3/4	2,677.22	3/4	2,317.79	3/4	1,958.36		
10		10	4,823.51	10	4,465.87	10	4,106.85	10	3,747.61	10	3,388.37	10	3,029.14	10	2,669.73	10	2,310.30	10	1,950.87		
1/4	1/4		4,816.08	1/4	4,458.41	1/4	4,099.36	1/4	3,740.13	1/4	3,380.89	1/4	3,021.65	1/4	2,662.24	1/4	2,302.81	1/4	1,943.38		
1/2	1/2		4,808.66	1/2	4,450.94	1/2	4,091.88	1/2	3,732.64	1/2	3,373.41	1/2	3,014.17	1/2	2,654.75	1/2	2,295.32	1/2	1,935.89		
3/4	3/4		4,801.24	3/4	4,443.48	3/4	4,084.40	3/4	3,725.16	3/4	3,365.92	3/4	3,006.69	3/4	2,647.26	3/4	2,287.83	3/4	1,928.41		
11		11	4,793.82	11	4,436.02	11	4,076.91	11	3,717.68	11	3,358.44	11	2,999.20	11	2,639.77	11	2,280.35	11	1,920.92		
1/4	1/4		4,786.39	1/4	4,428.56	1/4	4,069.43	1/4	3,710.19	1/4	3,350.95	1/4	2,991.72	1/4	2,632.29	1/4	2,272.86	1/4	1,913.43		
1/2	1/2		4,778.97	1/2	4,421.09	1/2	4,061.94	1/2	3,702.71	1/2	3,343.47	1/2	2,984.23	1/2	2,624.80	1/2	2,265.37	1/2	1,905.94		
3/4	3/4		4,771.55	3/4	4,413.63	3/4	4,054.46	3/4	3,695.22	3/4	3,335.99	3/4	2,976.74	3/4	2,617.31	3/4	2,257.88	3/4	1,898.45		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

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

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



BARGE "KIRBY 30036"

2 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30037"

GAUGE HEIGHT 15'-03"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,890.96	0	1,531.54	0	1,172.11	0	813.13	0	459.37	0	104.80	0		0		0		0	
1/4	1,883.48	1/4	1,524.05	1/4	1,164.62	1/4	805.65	1/4	451.89	1/4	97.52	1/4		1/4		1/4		1/4	
1/2	1,875.99	1/2	1,516.56	1/2	1,157.13	1/2	798.16	1/2	444.40	1/2	90.16	1/2		1/2		1/2		1/2	
3/4	1,868.50	3/4	1,509.07	3/4	1,149.64	3/4	790.67	3/4	436.91	3/4	82.80	3/4		3/4		3/4		3/4	
1	1,861.01	1	1,501.58	1	1,142.15	1	783.18	1	429.42	1	75.43	1		1		1		1	
1/4	1,853.52	1/4	1,494.10	1/4	1,134.67	1/4	775.70	1/4	421.94	1/4	68.07	1/4		1/4		1/4		1/4	
1/2	1,846.04	1/2	1,486.61	1/2	1,127.18	1/2	768.21	1/2	414.45	1/2	61.31	1/2		1/2		1/2		1/2	
3/4	1,838.55	3/4	1,479.12	3/4	1,119.70	3/4	760.72	3/4	406.96	3/4	54.55	3/4		3/4		3/4		3/4	
2	1,831.06	2	1,471.63	2	1,112.21	2	753.23	2	399.47	2	47.79	2		2		2		2	
1/4	1,823.57	1/4	1,464.14	1/4	1,104.73	1/4	745.75	1/4	391.98	1/4	41.03	1/4		1/4		1/4		1/4	
1/2	1,816.08	1/2	1,456.65	1/2	1,097.25	1/2	738.26	1/2	384.50	1/2	35.88	1/2		1/2		1/2		1/2	
3/4	1,808.60	3/4	1,449.17	3/4	1,089.77	3/4	730.77	3/4	377.01	3/4	30.73	3/4		3/4		3/4		3/4	
3	1,801.11	3	1,441.68	3	1,082.28	3	723.28	3	369.52	3	25.58	3		3		3		3	
1/4	1,793.62	1/4	1,434.19	1/4	1,074.80	1/4	715.79	1/4	362.03	1/4		1/4		1/4		1/4		1/4	
1/2	1,786.13	1/2	1,426.70	1/2	1,067.32	1/2	708.46	1/2	354.54	1/2		1/2		1/2		1/2		1/2	
3/4	1,778.64	3/4	1,419.21	3/4	1,059.85	3/4	701.12	3/4	347.06	3/4		3/4		3/4		3/4		3/4	
4	1,771.16	4	1,411.73	4	1,052.37	4	693.79	4	339.57	4		4		4		4		4	
1/4	1,763.67	1/4	1,404.24	1/4	1,044.89	1/4	686.45	1/4	332.08	1/4		1/4		1/4		1/4		1/4	
1/2	1,756.18	1/2	1,396.75	1/2	1,037.42	1/2	679.16	1/2	324.59	1/2		1/2		1/2		1/2		1/2	
3/4	1,748.69	3/4	1,389.26	3/4	1,029.94	3/4	671.88	3/4	317.10	3/4		3/4		3/4		3/4		3/4	
5	1,741.20	5	1,381.77	5	1,022.47	5	664.59	5	309.62	5		5		5		5		5	
1/4	1,733.71	1/4	1,374.29	1/4	1,014.99	1/4	657.31	1/4	302.13	1/4		1/4		1/4		1/4		1/4	
1/2	1,726.23	1/2	1,366.80	1/2	1,007.52	1/2	650.02	1/2	294.72	1/2		1/2		1/2		1/2		1/2	
3/4	1,718.74	3/4	1,359.31	3/4	1,000.04	3/4	642.73	3/4	287.30	3/4		3/4		3/4		3/4		3/4	
6	1,711.25	6	1,351.82	6	992.57	6	635.45	6	279.89	6		6		6		6		6	
1/4	1,703.76	1/4	1,344.33	1/4	985.09	1/4	628.16	1/4	272.48	1/4		1/4		1/4		1/4		1/4	
1/2	1,696.27	1/2	1,336.85	1/2	977.62	1/2	620.88	1/2	265.17	1/2		1/2		1/2		1/2		1/2	
3/4	1,688.79	3/4	1,329.36	3/4	970.14	3/4	613.59	3/4	257.86	3/4		3/4		3/4		3/4		3/4	
7	1,681.30	7	1,321.87	7	962.67	7	606.30	7	250.55	7		7		7		7		7	
1/4	1,673.81	1/4	1,314.38	1/4	955.19	1/4	599.02	1/4	243.24	1/4		1/4		1/4		1/4		1/4	
1/2	1,666.32	1/2	1,306.89	1/2	947.72	1/2	591.73	1/2	235.95	1/2		1/2		1/2		1/2		1/2	
3/4	1,658.83	3/4	1,299.40	3/4	940.24	3/4	584.45	3/4	228.67	3/4		3/4		3/4		3/4		3/4	
8	1,651.35	8	1,291.92	8	932.76	8	577.16	8	221.38	8		8		8		8		8	
1/4	1,643.86	1/4	1,284.43	1/4	925.29	1/4	569.88	1/4	214.09	1/4		1/4		1/4		1/4		1/4	
1/2	1,636.37	1/2	1,276.94	1/2	917.81	1/2	562.59	1/2	206.81	1/2		1/2		1/2		1/2		1/2	
3/4	1,628.88	3/4	1,269.45	3/4	910.34	3/4	555.30	3/4	199.52	3/4		3/4		3/4		3/4		3/4	
9	1,621.39	9	1,261.96	9	902.86	9	548.02	9	192.24	9		9		9		9		9	
1/4	1,613.90	1/4	1,254.48	1/4	895.39	1/4	540.73	1/4	184.95	1/4		1/4		1/4		1/4		1/4	
1/2	1,606.42	1/2	1,246.99	1/2	887.91	1/2	533.45	1/2	177.66	1/2		1/2		1/2		1/2		1/2	
3/4	1,598.93	3/4	1,239.50	3/4	880.44	3/4	526.16	3/4	170.38	3/4		3/4		3/4		3/4		3/4	
10	1,591.44	10	1,232.01	10	872.96	10	518.87	10	163.09	10		10		10		10		10	
1/4	1,583.95	1/4	1,224.52	1/4	865.49	1/4	511.59	1/4	155.81	1/4		1/4		1/4		1/4		1/4	
1/2	1,576.46	1/2	1,217.04	1/2	858.01	1/2	504.15	1/2	148.52	1/2		1/2		1/2		1/2		1/2	
3/4	1,568.98	3/4	1,209.55	3/4	850.54	3/4	496.71	3/4	141.23	3/4		3/4		3/4		3/4		3/4	
11	1,561.49	11	1,202.06	11	843.06	11	489.28	11	133.95	11		11		11		11		11	
1/4	1,554.00	1/4	1,194.57	1/4	835.59	1/4	481.84	1/4	126.66	1/4		1/4		1/4		1/4		1/4	
1/2	1,546.51	1/2	1,187.08	1/2	828.10	1/2	474.35	1/2	119.38	1/2		1/2		1/2		1/2		1/2	
3/4	1,539.02	3/4	1,179.60	3/4	820.62	3/4	466.86	3/4	112.09	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/06/2012 CL - SW
RECALCULATED: 02/24/2022 PMA
NAME CHANGE: 02/24/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2022

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



BARGE "KIRBY 30036"

3 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30037"

GAUGE HEIGHT 15'-02 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	4,012.51	0	3,876.56	0	3,739.79	0	3,603.00	0	3,287.87	0	2,931.01	0	2,573.90	0	2,217.89
1/4	1/4	4,125.31	1/4	4,009.70	1/4	3,873.71	1/4	3,736.94	1/4	3,600.15	1/4	3,280.45	1/4	2,923.57	1/4	2,566.46	1/4	2,210.50	
1/2	1/2	4,125.18	1/2	4,006.90	1/2	3,870.87	1/2	3,734.09	1/2	3,597.30	1/2	3,273.04	1/2	2,916.13	1/2	2,559.01	1/2	2,203.12	
3/4	3/4	4,125.05	3/4	4,004.09	3/4	3,868.02	3/4	3,731.24	3/4	3,594.45	3/4	3,265.62	3/4	2,908.69	3/4	2,551.56	3/4	2,195.74	
1		1	4,124.92	1	4,001.28	1	3,865.18	1	3,728.39	1	3,591.60	1	3,258.21	1	2,901.26	1	2,544.12	1	2,188.35
1/4	1/4	4,123.98	1/4	3,998.45	1/4	3,862.33	1/4	3,725.54	1/4	3,588.75	1/4	3,250.78	1/4	2,893.82	1/4	2,536.67	1/4	2,180.97	
1/2	1/2	4,123.03	1/2	3,995.62	1/2	3,859.48	1/2	3,722.69	1/2	3,585.90	1/2	3,243.34	1/2	2,886.38	1/2	2,529.23	1/2	2,173.59	
3/4	3/4	4,122.09	3/4	3,992.80	3/4	3,856.63	3/4	3,719.84	3/4	3,583.05	3/4	3,235.91	3/4	2,878.94	3/4	2,521.78	3/4	2,166.20	
2		2	4,121.15	2	3,989.97	2	3,853.78	2	3,716.99	2	3,580.20	2	3,228.48	2	2,871.50	2	2,514.33	2	2,158.82
1/4	1/4	4,119.14	1/4	3,987.13	1/4	3,850.93	1/4	3,714.14	1/4	3,573.89	1/4	3,221.05	1/4	2,864.06	1/4	2,506.89	1/4	2,151.43	
1/2	1/2	4,117.13	1/2	3,984.30	1/2	3,848.08	1/2	3,711.29	1/2	3,567.59	1/2	3,213.61	1/2	2,856.62	1/2	2,499.44	1/2	2,144.05	
3/4	3/4	4,115.12	3/4	3,981.46	3/4	3,845.23	3/4	3,708.44	3/4	3,561.28	3/4	3,206.17	3/4	2,849.18	3/4	2,491.99	3/4	2,136.67	
3		3	4,113.11	3	3,978.63	3	3,842.38	3	3,705.59	3	3,554.98	3	3,198.74	3	2,841.74	3	2,484.55	3	2,129.28
1/4	1/4	4,110.43	1/4	3,975.79	1/4	3,839.53	1/4	3,702.74	1/4	3,547.54	1/4	3,191.30	1/4	2,834.30	1/4	2,477.13	1/4	2,121.90	
1/2	1/2	4,107.75	1/2	3,972.96	1/2	3,836.68	1/2	3,699.89	1/2	3,540.11	1/2	3,183.86	1/2	2,826.86	1/2	2,469.71	1/2	2,114.52	
3/4	3/4	4,105.08	3/4	3,970.12	3/4	3,833.83	3/4	3,697.04	3/4	3,532.67	3/4	3,176.43	3/4	2,819.42	3/4	2,462.29	3/4	2,107.13	
4		4	4,102.40	4	3,967.28	4	3,830.98	4	3,694.19	4	3,525.24	4	3,168.99	4	2,811.98	4	2,454.87	4	2,099.75
1/4	1/4	4,099.59	1/4	3,964.45	1/4	3,828.13	1/4	3,691.34	1/4	3,517.81	1/4	3,161.55	1/4	2,804.54	1/4	2,447.47	1/4	2,092.36	
1/2	1/2	4,096.78	1/2	3,961.61	1/2	3,825.28	1/2	3,688.49	1/2	3,510.38	1/2	3,154.12	1/2	2,797.10	1/2	2,440.06	1/2	2,084.98	
3/4	3/4	4,093.97	3/4	3,958.78	3/4	3,822.43	3/4	3,685.64	3/4	3,502.95	3/4	3,146.68	3/4	2,789.67	3/4	2,432.65	3/4	2,077.60	
5		5	4,091.16	5	3,955.94	5	3,819.58	5	3,682.79	5	3,495.53	5	3,139.24	5	2,782.23	5	2,425.24	5	2,070.21
1/4	1/4	4,088.35	1/4	3,953.11	1/4	3,816.73	1/4	3,679.94	1/4	3,488.11	1/4	3,131.81	1/4	2,774.79	1/4	2,417.83	1/4	2,062.83	
1/2	1/2	4,085.54	1/2	3,950.27	1/2	3,813.88	1/2	3,677.09	1/2	3,480.69	1/2	3,124.37	1/2	2,767.35	1/2	2,410.43	1/2	2,055.45	
3/4	3/4	4,082.72	3/4	3,947.44	3/4	3,811.03	3/4	3,674.24	3/4	3,473.27	3/4	3,116.93	3/4	2,759.91	3/4	2,403.02	3/4	2,048.06	
6		6	4,079.91	6	3,944.60	6	3,808.18	6	3,671.39	6	3,465.85	6	3,109.50	6	2,752.47	6	2,395.61	6	2,040.68
1/4	1/4	4,077.10	1/4	3,941.77	1/4	3,805.33	1/4	3,668.54	1/4	3,458.44	1/4	3,102.06	1/4	2,745.03	1/4	2,388.20	1/4	2,033.29	
1/2	1/2	4,074.29	1/2	3,938.93	1/2	3,802.48	1/2	3,665.69	1/2	3,451.02	1/2	3,094.62	1/2	2,737.59	1/2	2,380.79	1/2	2,025.91	
3/4	3/4	4,071.48	3/4	3,936.10	3/4	3,799.63	3/4	3,662.84	3/4	3,443.60	3/4	3,087.19	3/4	2,730.15	3/4	2,373.39	3/4	2,018.53	
7		7	4,068.67	7	3,933.26	7	3,796.78	7	3,659.99	7	3,436.19	7	3,079.75	7	2,722.71	7	2,365.98	7	2,011.14
1/4	1/4	4,065.86	1/4	3,930.43	1/4	3,793.93	1/4	3,657.14	1/4	3,428.77	1/4	3,072.31	1/4	2,715.27	1/4	2,358.57	1/4	2,003.76	
1/2	1/2	4,063.05	1/2	3,927.59	1/2	3,791.08	1/2	3,654.29	1/2	3,421.36	1/2	3,064.88	1/2	2,707.83	1/2	2,351.16	1/2	1,996.38	
3/4	3/4	4,060.25	3/4	3,924.76	3/4	3,788.23	3/4	3,651.44	3/4	3,413.94	3/4	3,057.44	3/4	2,700.39	3/4	2,343.75	3/4	1,988.99	
8		8	4,057.44	8	3,921.92	8	3,785.38	8	3,648.59	8	3,406.53	8	3,050.00	8	2,692.95	8	2,336.35	8	1,981.61
1/4	1/4	4,054.63	1/4	3,919.08	1/4	3,782.53	1/4	3,645.74	1/4	3,399.11	1/4	3,042.57	1/4	2,685.52	1/4	2,328.94	1/4	1,974.23	
1/2	1/2	4,051.82	1/2	3,916.25	1/2	3,779.68	1/2	3,642.89	1/2	3,391.69	1/2	3,035.13	1/2	2,678.08	1/2	2,321.53	1/2	1,966.84	
3/4	3/4	4,049.01	3/4	3,913.41	3/4	3,776.83	3/4	3,640.04	3/4	3,384.28	3/4	3,027.69	3/4	2,670.64	3/4	2,314.12	3/4	1,959.46	
9		9	4,046.21	9	3,910.58	9	3,773.98	9	3,637.19	9	3,376.86	9	3,020.26	9	2,663.20	9	2,306.71	9	1,952.07
1/4	1/4	4,043.40	1/4	3,907.74	1/4	3,771.13	1/4	3,634.34	1/4	3,369.45	1/4	3,012.82	1/4	2,655.76	1/4	2,299.30	1/4	1,944.69	
1/2	1/2	4,040.59	1/2	3,904.91	1/2	3,768.28	1/2	3,631.49	1/2	3,362.03	1/2	3,005.38	1/2	2,648.32	1/2	2,291.90	1/2	1,937.31	
3/4	3/4	4,037.78	3/4	3,902.07	3/4	3,765.43	3/4	3,628.64	3/4	3,354.61	3/4	2,997.95	3/4	2,640.88	3/4	2,284.49	3/4	1,929.92	
10		10	4,034.97	10	3,899.24	10	3,762.58	10	3,625.79	10	3,347.20	10	2,990.51	10	2,633.44	10	2,277.08	10	1,922.54
1/4	1/4	4,032.17	1/4	3,896.40	1/4	3,759.73	1/4	3,622.94	1/4	3,339.78	1/4	2,983.07	1/4	2,626.00	1/4	2,269.67	1/4	1,915.16	
1/2	1/2	4,029.36	1/2	3,893.57	1/2	3,756.88	1/2	3,620.09	1/2	3,332.37	1/2	2,975.64	1/2	2,618.56	1/2	2,262.26	1/2	1,907.77	
3/4	3/4	4,026.55	3/4	3,890.73	3/4	3,754.03	3/4	3,617.24	3/4	3,324.95	3/4	2,968.20	3/4	2,611.12	3/4	2,254.86	3/4	1,900.39	
11		11	4,023.74	11	3,887.90	11	3,751.19	11	3,614.39	11	3,317.53	11	2,960.76	11	2,603.68	11	2,247.45	11	1,893.00
1/4	1/4	4,020.93	1/4	3,885.06	1/4	3,748.34	1/4	3,611.54	1/4	3,310.12	1/4	2,953.33	1/4	2,596.24	1/4	2,240.06	1/4	1,885.57	
1/2	1/2	4,018.13	1/2	3,882.23	1/2	3,745.49	1/2	3,608.70	1/2	3,302.70	1/2	2,945.89	1/2	2,588.79	1/2	2,232.67	1/2	1,878.14	
3/4	3/4	4,015.32	3/4	3,879.39	3/4	3,742.64	3/4	3,605.85	3/4	3,295.29	3/4	2,938.45	3/4	2,581.35	3/4	2,225.28	3/4	1,870.71	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 56'-06" FORWARD OF AFT BULKHEAD.

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

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



BARGE "KIRBY 30036"

3 PORT ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30037"

GAUGE HEIGHT 15'-02 3/4"

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	1,890.96	0	1,531.54	0	1,172.11	0	813.13	0	459.37	0	104.80	0		0		0		0	
1/4	1,883.48	1/4	1,524.05	1/4	1,164.62	1/4	805.65	1/4	451.89	1/4	97.52	1/4		1/4		1/4		1/4	
1/2	1,875.99	1/2	1,516.56	1/2	1,157.13	1/2	798.16	1/2	444.40	1/2	90.16	1/2		1/2		1/2		1/2	
3/4	1,868.50	3/4	1,509.07	3/4	1,149.64	3/4	790.67	3/4	436.91	3/4	82.80	3/4		3/4		3/4		3/4	
1	1,861.01	1	1,501.58	1	1,142.15	1	783.18	1	429.42	1	75.43	1		1		1		1	
1/4	1,853.52	1/4	1,494.10	1/4	1,134.67	1/4	775.70	1/4	421.94	1/4	68.07	1/4		1/4		1/4		1/4	
1/2	1,846.04	1/2	1,486.61	1/2	1,127.18	1/2	768.21	1/2	414.45	1/2	61.31	1/2		1/2		1/2		1/2	
3/4	1,838.55	3/4	1,479.12	3/4	1,119.70	3/4	760.72	3/4	406.96	3/4	54.55	3/4		3/4		3/4		3/4	
2	1,831.06	2	1,471.63	2	1,112.21	2	753.23	2	399.47	2	47.79	2		2		2		2	
1/4	1,823.57	1/4	1,464.14	1/4	1,104.73	1/4	745.75	1/4	391.98	1/4	41.03	1/4		1/4		1/4		1/4	
1/2	1,816.08	1/2	1,456.65	1/2	1,097.25	1/2	738.26	1/2	384.50	1/2	35.88	1/2		1/2		1/2		1/2	
3/4	1,808.60	3/4	1,449.17	3/4	1,089.77	3/4	730.77	3/4	377.01	3/4	30.73	3/4		3/4		3/4		3/4	
3	1,801.11	3	1,441.68	3	1,082.28	3	723.28	3	369.52	3	25.58	3		3		3		3	
1/4	1,793.62	1/4	1,434.19	1/4	1,074.80	1/4	715.79	1/4	362.03	1/4		1/4		1/4		1/4		1/4	
1/2	1,786.13	1/2	1,426.70	1/2	1,067.32	1/2	708.46	1/2	354.54	1/2		1/2		1/2		1/2		1/2	
3/4	1,778.64	3/4	1,419.21	3/4	1,059.85	3/4	701.12	3/4	347.06	3/4		3/4		3/4		3/4		3/4	
4	1,771.16	4	1,411.73	4	1,052.37	4	693.79	4	339.57	4		4		4		4		4	
1/4	1,763.67	1/4	1,404.24	1/4	1,044.89	1/4	686.45	1/4	332.08	1/4		1/4		1/4		1/4		1/4	
1/2	1,756.18	1/2	1,396.75	1/2	1,037.42	1/2	679.16	1/2	324.59	1/2		1/2		1/2		1/2		1/2	
3/4	1,748.69	3/4	1,389.26	3/4	1,029.94	3/4	671.88	3/4	317.10	3/4		3/4		3/4		3/4		3/4	
5	1,741.20	5	1,381.77	5	1,022.47	5	664.59	5	309.62	5		5		5		5		5	
1/4	1,733.71	1/4	1,374.29	1/4	1,014.99	1/4	657.31	1/4	302.13	1/4		1/4		1/4		1/4		1/4	
1/2	1,726.23	1/2	1,366.80	1/2	1,007.52	1/2	650.02	1/2	294.72	1/2		1/2		1/2		1/2		1/2	
3/4	1,718.74	3/4	1,359.31	3/4	1,000.04	3/4	642.73	3/4	287.30	3/4		3/4		3/4		3/4		3/4	
6	1,711.25	6	1,351.82	6	992.57	6	635.45	6	279.89	6		6		6		6		6	
1/4	1,703.76	1/4	1,344.33	1/4	985.09	1/4	628.16	1/4	272.48	1/4		1/4		1/4		1/4		1/4	
1/2	1,696.27	1/2	1,336.85	1/2	977.62	1/2	620.88	1/2	265.17	1/2		1/2		1/2		1/2		1/2	
3/4	1,688.79	3/4	1,329.36	3/4	970.14	3/4	613.59	3/4	257.86	3/4		3/4		3/4		3/4		3/4	
7	1,681.30	7	1,321.87	7	962.67	7	606.30	7	250.55	7		7		7		7		7	
1/4	1,673.81	1/4	1,314.38	1/4	955.19	1/4	599.02	1/4	243.24	1/4		1/4		1/4		1/4		1/4	
1/2	1,666.32	1/2	1,306.89	1/2	947.72	1/2	591.73	1/2	235.95	1/2		1/2		1/2		1/2		1/2	
3/4	1,658.83	3/4	1,299.40	3/4	940.24	3/4	584.45	3/4	228.67	3/4		3/4		3/4		3/4		3/4	
8	1,651.35	8	1,291.92	8	932.76	8	577.16	8	221.38	8		8		8		8		8	
1/4	1,643.86	1/4	1,284.43	1/4	925.29	1/4	569.88	1/4	214.09	1/4		1/4		1/4		1/4		1/4	
1/2	1,636.37	1/2	1,276.94	1/2	917.81	1/2	562.59	1/2	206.81	1/2		1/2		1/2		1/2		1/2	
3/4	1,628.88	3/4	1,269.45	3/4	910.34	3/4	555.30	3/4	199.52	3/4		3/4		3/4		3/4		3/4	
9	1,621.39	9	1,261.96	9	902.86	9	548.02	9	192.24	9		9		9		9		9	
1/4	1,613.90	1/4	1,254.48	1/4	895.39	1/4	540.73	1/4	184.95	1/4		1/4		1/4		1/4		1/4	
1/2	1,606.42	1/2	1,246.99	1/2	887.91	1/2	533.45	1/2	177.66	1/2		1/2		1/2		1/2		1/2	
3/4	1,598.93	3/4	1,239.50	3/4	880.44	3/4	526.16	3/4	170.38	3/4		3/4		3/4		3/4		3/4	
10	1,591.44	10	1,232.01	10	872.96	10	518.87	10	163.09	10		10		10		10		10	
1/4	1,583.95	1/4	1,224.52	1/4	865.49	1/4	511.59	1/4	155.81	1/4		1/4		1/4		1/4		1/4	
1/2	1,576.46	1/2	1,217.04	1/2	858.01	1/2	504.15	1/2	148.52	1/2		1/2		1/2		1/2		1/2	
3/4	1,568.98	3/4	1,209.55	3/4	850.54	3/4	496.71	3/4	141.23	3/4		3/4		3/4		3/4		3/4	
11	1,561.49	11	1,202.06	11	843.06	11	489.28	11	133.95	11		11		11		11		11	
1/4	1,554.00	1/4	1,194.57	1/4	835.59	1/4	481.84	1/4	126.66	1/4		1/4		1/4		1/4		1/4	
1/2	1,546.51	1/2	1,187.08	1/2	828.10	1/2	474.35	1/2	119.38	1/2		1/2		1/2		1/2		1/2	
3/4	1,539.02	3/4	1,179.60	3/4	820.62	3/4	466.86	3/4	112.09	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/06/2012 CL - SW
RECALCULATED: 02/24/2022 PMA
NAME CHANGE: 02/24/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2022

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



BARGE "KIRBY 30036"

3 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30037"

GAUGE HEIGHT 15'-02 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	4,034.34	0	3,898.57	0	3,761.98	0	3,625.38	0	3,309.74	0	2,952.01	0	2,594.05	0	2,235.74		
1/4	1/4	1/4	4,146.96	1/4	4,031.54	1/4	3,895.73	1/4	3,759.13	1/4	3,622.53	1/4	3,302.31	1/4	2,944.56	1/4	2,586.58	1/4	2,228.28		
1/2	1/2	1/2	4,146.84	1/2	4,028.74	1/2	3,892.88	1/2	3,756.29	1/2	3,619.68	1/2	3,294.87	1/2	2,937.10	1/2	2,579.12	1/2	2,220.82		
3/4	3/4	3/4	4,146.71	3/4	4,025.93	3/4	3,890.04	3/4	3,753.44	3/4	3,616.84	3/4	3,287.44	3/4	2,929.64	3/4	2,571.65	3/4	2,213.35		
1		1	4,146.59	1	4,023.13	1	3,887.20	1	3,750.60	1	3,613.99	1	3,280.00	1	2,922.18	1	2,564.19	1	2,205.89		
1/4	1/4	1/4	4,145.65	1/4	4,020.30	1/4	3,884.35	1/4	3,747.75	1/4	3,611.15	1/4	3,272.56	1/4	2,914.73	1/4	2,556.72	1/4	2,198.42		
1/2	1/2	1/2	4,144.71	1/2	4,017.48	1/2	3,881.51	1/2	3,744.90	1/2	3,608.30	1/2	3,265.11	1/2	2,907.27	1/2	2,549.26	1/2	2,190.96		
3/4	3/4	3/4	4,143.77	3/4	4,014.66	3/4	3,878.66	3/4	3,742.06	3/4	3,605.45	3/4	3,257.66	3/4	2,899.81	3/4	2,541.79	3/4	2,183.49		
2		2	4,142.82	2	4,011.83	2	3,875.81	2	3,739.21	2	3,602.61	2	3,250.21	2	2,892.35	2	2,534.33	2	2,176.03		
1/4	1/4	1/4	4,140.82	1/4	4,009.00	1/4	3,872.97	1/4	3,736.37	1/4	3,596.30	1/4	3,242.75	1/4	2,884.90	1/4	2,526.86	1/4	2,168.56		
1/2	1/2	1/2	4,138.81	1/2	4,006.17	1/2	3,870.12	1/2	3,733.52	1/2	3,590.00	1/2	3,235.30	1/2	2,877.44	1/2	2,519.40	1/2	2,161.10		
3/4	3/4	3/4	4,136.81	3/4	4,003.34	3/4	3,867.28	3/4	3,730.67	3/4	3,583.69	3/4	3,227.84	3/4	2,869.98	3/4	2,511.93	3/4	2,153.63		
3		3	4,134.80	3	4,000.51	3	3,864.43	3	3,727.83	3	3,577.38	3	3,220.39	3	2,862.52	3	2,504.47	3	2,146.17		
1/4	1/4	1/4	4,132.13	1/4	3,997.67	1/4	3,861.59	1/4	3,724.98	1/4	3,569.94	1/4	3,212.93	1/4	2,855.07	1/4	2,497.01	1/4	2,138.70		
1/2	1/2	1/2	4,129.45	1/2	3,994.84	1/2	3,858.74	1/2	3,722.14	1/2	3,562.51	1/2	3,205.48	1/2	2,847.61	1/2	2,489.54	1/2	2,131.24		
3/4	3/4	3/4	4,126.78	3/4	3,992.01	3/4	3,855.89	3/4	3,719.29	3/4	3,555.07	3/4	3,198.02	3/4	2,840.15	3/4	2,482.08	3/4	2,123.78		
4		4	4,124.11	4	3,989.18	4	3,853.05	4	3,716.44	4	3,547.63	4	3,190.57	4	2,832.70	4	2,474.61	4	2,116.31		
1/4	1/4	1/4	4,121.30	1/4	3,986.35	1/4	3,850.20	1/4	3,713.60	1/4	3,540.19	1/4	3,183.11	1/4	2,825.24	1/4	2,467.15	1/4	2,108.85		
1/2	1/2	1/2	4,118.49	1/2	3,983.52	1/2	3,847.36	1/2	3,710.75	1/2	3,532.76	1/2	3,175.66	1/2	2,817.78	1/2	2,459.68	1/2	2,101.38		
3/4	3/4	3/4	4,115.69	3/4	3,980.68	3/4	3,844.51	3/4	3,707.91	3/4	3,525.32	3/4	3,168.21	3/4	2,810.32	3/4	2,452.22	3/4	2,093.92		
5		5	4,112.88	5	3,977.85	5	3,841.66	5	3,705.06	5	3,517.89	5	3,160.75	5	2,802.87	5	2,444.75	5	2,086.45		
1/4	1/4	1/4	4,110.07	1/4	3,975.02	1/4	3,838.82	1/4	3,702.21	1/4	3,510.46	1/4	3,153.30	1/4	2,795.41	1/4	2,437.29	1/4	2,078.99		
1/2	1/2	1/2	4,107.27	1/2	3,972.19	1/2	3,835.97	1/2	3,699.37	1/2	3,503.02	1/2	3,145.84	1/2	2,787.95	1/2	2,429.82	1/2	2,071.52		
3/4	3/4	3/4	4,104.46	3/4	3,969.36	3/4	3,833.13	3/4	3,696.52	3/4	3,495.59	3/4	3,138.39	3/4	2,780.49	3/4	2,422.36	3/4	2,064.06		
6		6	4,101.65	6	3,966.53	6	3,830.28	6	3,693.68	6	3,488.15	6	3,130.93	6	2,773.04	6	2,414.89	6	2,056.59		
1/4	1/4	1/4	4,098.85	1/4	3,963.70	1/4	3,827.43	1/4	3,690.83	1/4	3,480.72	1/4	3,123.48	1/4	2,765.58	1/4	2,407.43	1/4	2,049.13		
1/2	1/2	1/2	4,096.04	1/2	3,960.86	1/2	3,824.59	1/2	3,687.99	1/2	3,473.29	1/2	3,116.02	1/2	2,758.12	1/2	2,399.97	1/2	2,041.66		
3/4	3/4	3/4	4,093.23	3/4	3,958.03	3/4	3,821.74	3/4	3,685.14	3/4	3,465.85	3/4	3,108.57	3/4	2,750.67	3/4	2,392.50	3/4	2,034.20		
7		7	4,090.43	7	3,955.20	7	3,818.90	7	3,682.29	7	3,458.42	7	3,101.11	7	2,743.21	7	2,385.04	7	2,026.74		
1/4	1/4	1/4	4,087.62	1/4	3,952.37	1/4	3,816.05	1/4	3,679.45	1/4	3,450.98	1/4	3,093.66	1/4	2,735.75	1/4	2,377.57	1/4	2,019.27		
1/2	1/2	1/2	4,084.82	1/2	3,949.54	1/2	3,813.21	1/2	3,676.60	1/2	3,443.55	1/2	3,086.20	1/2	2,728.29	1/2	2,370.11	1/2	2,011.81		
3/4	3/4	3/4	4,082.01	3/4	3,946.71	3/4	3,810.36	3/4	3,673.76	3/4	3,436.12	3/4	3,078.75	3/4	2,720.84	3/4	2,362.64	3/4	2,004.34		
8		8	4,079.21	8	3,943.88	8	3,807.51	8	3,670.91	8	3,428.68	8	3,071.30	8	2,713.38	8	2,355.18	8	1,996.88		
1/4	1/4	1/4	4,076.41	1/4	3,941.04	1/4	3,804.67	1/4	3,668.06	1/4	3,421.25	1/4	3,063.84	1/4	2,705.92	1/4	2,347.71	1/4	1,989.41		
1/2	1/2	1/2	4,073.60	1/2	3,938.21	1/2	3,801.82	1/2	3,665.22	1/2	3,413.82	1/2	3,056.39	1/2	2,698.46	1/2	2,340.25	1/2	1,981.95		
3/4	3/4	3/4	4,070.80	3/4	3,935.38	3/4	3,798.98	3/4	3,662.37	3/4	3,406.38	3/4	3,048.93	3/4	2,691.01	3/4	2,332.78	3/4	1,974.48		
9		9	4,067.99	9	3,932.55	9	3,796.13	9	3,659.53	9	3,398.95	9	3,041.48	9	2,683.55	9	2,325.32	9	1,967.02		
1/4	1/4	1/4	4,065.19	1/4	3,929.72	1/4	3,793.28	1/4	3,656.68	1/4	3,391.51	1/4	3,034.02	1/4	2,676.09	1/4	2,317.86	1/4	1,959.55		
1/2	1/2	1/2	4,062.39	1/2	3,926.89	1/2	3,790.44	1/2	3,653.83	1/2	3,384.08	1/2	3,026.57	1/2	2,668.64	1/2	2,310.39	1/2	1,952.09		
3/4	3/4	3/4	4,059.58	3/4	3,924.05	3/4	3,787.59	3/4	3,650.99	3/4	3,376.65	3/4	3,019.11	3/4	2,661.18	3/4	2,302.93	3/4	1,944.63		
10		10	4,056.78	10	3,921.22	10	3,784.75	10	3,648.14	10	3,369.21	10	3,011.66	10	2,653.72	10	2,295.46	10	1,937.16		
1/4	1/4	1/4	4,053.97	1/4	3,918.39	1/4	3,781.90	1/4	3,645.30	1/4	3,361.78	1/4	3,004.20	1/4	2,646.26	1/4	2,288.00	1/4	1,929.70		
1/2	1/2	1/2	4,051.17	1/2	3,915.56	1/2	3,779.05	1/2	3,642.45	1/2	3,354.34	1/2	2,996.75	1/2	2,638.81	1/2	2,280.53	1/2	1,922.23		
3/4	3/4	3/4	4,048.36	3/4	3,912.73	3/4	3,776.21	3/4	3,639.61	3/4	3,346.91	3/4	2,989.29	3/4	2,631.35	3/4	2,273.07	3/4	1,914.77		
11		11	4,045.56	11	3,909.90	11	3,773.36	11	3,636.76	11	3,339.48	11	2,981.84	11	2,623.89	11	2,265.60	11	1,907.30		
1/4	1/4	1/4	4,042.76	1/4	3,907.07	1/4	3,770.52	1/4	3,633.91	1/4	3,332.04	1/4	2,974.38	1/4	2,616.43	1/4	2,258.14	1/4	1,899.84		
1/2	1/2	1/2	4,039.95	1/2	3,904.23	1/2	3,767.67	1/2	3,631.07	1/2	3,324.61	1/2	2,966.93	1/2	2,608.97	1/2	2,250.67	1/2	1,892.37		
3/4	3/4	3/4	4,037.15	3/4	3,901.40	3/4	3,764.82	3/4	3,628.22	3/4	3,317.17	3/4	2,959.47	3/4	2,601.51	3/4	2,243.21	3/4	1,884.91		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 56'-06" FORWARD OF AFT BULKHEAD.

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

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



BARGE "KIRBY 30036"

3 STBD ULLAGE TABLE "MMC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30037"

GAUGE HEIGHT 15'-02 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,877.44	0	1,519.14	0	1,160.84	0	803.10	0	450.45	0	97.21	0		0		0		0	
1/4	1,869.98	1/4	1,511.68	1/4	1,153.38	1/4	795.63	1/4	442.99	1/4	89.87	1/4		1/4		1/4		1/4	
1/2	1,862.51	1/2	1,504.21	1/2	1,145.91	1/2	788.17	1/2	435.53	1/2	82.53	1/2		1/2		1/2		1/2	
3/4	1,855.05	3/4	1,496.75	3/4	1,138.45	3/4	780.70	3/4	428.06	3/4	75.19	3/4		3/4		3/4		3/4	
1	1,847.59	1	1,489.28	1	1,130.98	1	773.24	1	420.60	1	67.86	1		1		1		1	
1/4	1,840.12	1/4	1,481.82	1/4	1,123.53	1/4	765.77	1/4	413.13	1/4	61.12	1/4		1/4		1/4		1/4	
1/2	1,832.66	1/2	1,474.36	1/2	1,116.07	1/2	758.31	1/2	405.67	1/2	54.38	1/2		1/2		1/2		1/2	
3/4	1,825.19	3/4	1,466.89	3/4	1,108.61	3/4	750.85	3/4	398.20	3/4	47.64	3/4		3/4		3/4		3/4	
2	1,817.73	2	1,459.43	2	1,101.15	2	743.38	2	390.74	2	40.90	2		2		2		2	
1/4	1,810.26	1/4	1,451.96	1/4	1,093.69	1/4	735.92	1/4	383.28	1/4	35.77	1/4		1/4		1/4		1/4	
1/2	1,802.80	1/2	1,444.50	1/2	1,086.24	1/2	728.45	1/2	375.81	1/2	30.64	1/2		1/2		1/2		1/2	
3/4	1,795.33	3/4	1,437.03	3/4	1,078.78	3/4	720.99	3/4	368.35	3/4	25.50	3/4		3/4		3/4		3/4	
3	1,787.87	3	1,429.57	3	1,071.32	3	713.52	3	360.88	3		3		3		3		3	
1/4	1,780.40	1/4	1,422.10	1/4	1,063.87	1/4	706.21	1/4	353.42	1/4		1/4		1/4		1/4		1/4	
1/2	1,772.94	1/2	1,414.64	1/2	1,056.42	1/2	698.90	1/2	345.95	1/2		1/2		1/2		1/2		1/2	
3/4	1,765.47	3/4	1,407.17	3/4	1,048.97	3/4	691.59	3/4	338.49	3/4		3/4		3/4		3/4		3/4	
4	1,758.01	4	1,399.71	4	1,041.52	4	684.27	4	331.03	4		4		4		4		4	
1/4	1,750.55	1/4	1,392.24	1/4	1,034.07	1/4	677.01	1/4	323.56	1/4		1/4		1/4		1/4		1/4	
1/2	1,743.08	1/2	1,384.78	1/2	1,026.62	1/2	669.75	1/2	316.10	1/2		1/2		1/2		1/2		1/2	
3/4	1,735.62	3/4	1,377.32	3/4	1,019.17	3/4	662.48	3/4	308.63	3/4		3/4		3/4		3/4		3/4	
5	1,728.15	5	1,369.85	5	1,011.72	5	655.22	5	301.17	5		5		5		5		5	
1/4	1,720.69	1/4	1,362.39	1/4	1,004.27	1/4	647.96	1/4	293.78	1/4		1/4		1/4		1/4		1/4	
1/2	1,713.22	1/2	1,354.92	1/2	996.82	1/2	640.70	1/2	286.39	1/2		1/2		1/2		1/2		1/2	
3/4	1,705.76	3/4	1,347.46	3/4	989.37	3/4	633.43	3/4	279.00	3/4		3/4		3/4		3/4		3/4	
6	1,698.29	6	1,339.99	6	981.92	6	626.17	6	271.61	6		6		6		6		6	
1/4	1,690.83	1/4	1,332.53	1/4	974.47	1/4	618.91	1/4	264.33	1/4		1/4		1/4		1/4		1/4	
1/2	1,683.36	1/2	1,325.06	1/2	967.03	1/2	611.65	1/2	257.04	1/2		1/2		1/2		1/2		1/2	
3/4	1,675.90	3/4	1,317.60	3/4	959.58	3/4	604.38	3/4	249.75	3/4		3/4		3/4		3/4		3/4	
7	1,668.43	7	1,310.13	7	952.13	7	597.12	7	242.46	7		7		7		7		7	
1/4	1,660.97	1/4	1,302.67	1/4	944.68	1/4	589.86	1/4	235.20	1/4		1/4		1/4		1/4		1/4	
1/2	1,653.51	1/2	1,295.20	1/2	937.23	1/2	582.60	1/2	227.94	1/2		1/2		1/2		1/2		1/2	
3/4	1,646.04	3/4	1,287.74	3/4	929.78	3/4	575.33	3/4	220.68	3/4		3/4		3/4		3/4		3/4	
8	1,638.58	8	1,280.28	8	922.33	8	568.07	8	213.41	8		8		8		8		8	
1/4	1,631.11	1/4	1,272.81	1/4	914.88	1/4	560.81	1/4	206.15	1/4		1/4		1/4		1/4		1/4	
1/2	1,623.65	1/2	1,265.35	1/2	907.43	1/2	553.54	1/2	198.89	1/2		1/2		1/2		1/2		1/2	
3/4	1,616.18	3/4	1,257.88	3/4	899.98	3/4	546.28	3/4	191.62	3/4		3/4		3/4		3/4		3/4	
9	1,608.72	9	1,250.42	9	892.53	9	539.02	9	184.36	9		9		9		9		9	
1/4	1,601.25	1/4	1,242.95	1/4	885.08	1/4	531.76	1/4	177.10	1/4		1/4		1/4		1/4		1/4	
1/2	1,593.79	1/2	1,235.49	1/2	877.63	1/2	524.49	1/2	169.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,586.32	3/4	1,228.02	3/4	870.18	3/4	517.23	3/4	162.57	3/4		3/4		3/4		3/4		3/4	
10	1,578.86	10	1,220.56	10	862.74	10	509.97	10	155.31	10		10		10		10		10	
1/4	1,571.40	1/4	1,213.09	1/4	855.29	1/4	502.55	1/4	148.05	1/4		1/4		1/4		1/4		1/4	
1/2	1,563.93	1/2	1,205.63	1/2	847.84	1/2	495.14	1/2	140.79	1/2		1/2		1/2		1/2		1/2	
3/4	1,556.47	3/4	1,198.17	3/4	840.39	3/4	487.73	3/4	133.52	3/4		3/4		3/4		3/4		3/4	
11	1,549.00	11	1,190.70	11	832.94	11	480.31	11	126.26	11		11		11		11		11	
1/4	1,541.54	1/4	1,183.24	1/4	825.48	1/4	472.85	1/4	119.00	1/4		1/4		1/4		1/4		1/4	
1/2	1,534.07	1/2	1,175.77	1/2	818.02	1/2	465.38	1/2	111.74	1/2		1/2		1/2		1/2		1/2	
3/4	1,526.61	3/4	1,168.31	3/4	810.56	3/4	457.92	3/4	104.47	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/06/2012 CL - SW
RECALCULATED: 02/24/2022 PMA
NAME CHANGE: 02/24/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2022

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



BARGE "KIRBY 30036"

SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "SMI 30037"

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	1,223	0	2,446	0	3,670	0	4,893	0	6,116	0	7,339	0		0		0	
1/4	25	1/4	1,249	1/4	2,472	1/4	3,695	1/4	4,918	1/4	6,142	1/4	7,365	1/4		1/4		1/4	
1/2	51	1/2	1,274	1/2	2,497	1/2	3,721	1/2	4,944	1/2	6,167	1/2	7,390	1/2		1/2		1/2	
3/4	76	3/4	1,300	3/4	2,523	3/4	3,746	3/4	4,969	3/4	6,193	3/4	7,416	3/4		3/4		3/4	
1	102	1	1,325	1	2,548	1	3,772	1	4,995	1	6,218	1	7,441	1		1		1	
1/4	127	1/4	1,351	1/4	2,574	1/4	3,797	1/4	5,020	1/4	6,244	1/4	7,467	1/4		1/4		1/4	
1/2	153	1/2	1,376	1/2	2,599	1/2	3,823	1/2	5,046	1/2	6,269	1/2	7,492	1/2		1/2		1/2	
3/4	178	3/4	1,402	3/4	2,625	3/4	3,848	3/4	5,071	3/4	6,294	3/4	7,518	3/4		3/4		3/4	
2	204	2	1,427	2	2,650	2	3,874	2	5,097	2	6,320	2	7,543	2		2		2	
1/4	229	1/4	1,453	1/4	2,676	1/4	3,899	1/4	5,122	1/4	6,345	1/4		1/4		1/4		1/4	
1/2	255	1/2	1,478	1/2	2,701	1/2	3,925	1/2	5,148	1/2	6,371	1/2		1/2		1/2		1/2	
3/4	280	3/4	1,504	3/4	2,727	3/4	3,950	3/4	5,173	3/4	6,396	3/4		3/4		3/4		3/4	
3	306	3	1,529	3	2,752	3	3,975	3	5,199	3	6,422	3		3		3		3	
1/4	331	1/4	1,555	1/4	2,778	1/4	4,001	1/4	5,224	1/4	6,447	1/4		1/4		1/4		1/4	
1/2	357	1/2	1,580	1/2	2,803	1/2	4,026	1/2	5,250	1/2	6,473	1/2		1/2		1/2		1/2	
3/4	382	3/4	1,605	3/4	2,829	3/4	4,052	3/4	5,275	3/4	6,498	3/4		3/4		3/4		3/4	
4	408	4	1,631	4	2,854	4	4,077	4	5,301	4	6,524	4		4		4		4	
1/4	433	1/4	1,656	1/4	2,880	1/4	4,103	1/4	5,326	1/4	6,549	1/4		1/4		1/4		1/4	
1/2	459	1/2	1,682	1/2	2,905	1/2	4,128	1/2	5,352	1/2	6,575	1/2		1/2		1/2		1/2	
3/4	484	3/4	1,707	3/4	2,931	3/4	4,154	3/4	5,377	3/4	6,600	3/4		3/4		3/4		3/4	
5	510	5	1,733	5	2,956	5	4,179	5	5,403	5	6,626	5		5		5		5	
1/4	535	1/4	1,758	1/4	2,982	1/4	4,205	1/4	5,428	1/4	6,651	1/4		1/4		1/4		1/4	
1/2	561	1/2	1,784	1/2	3,007	1/2	4,230	1/2	5,454	1/2	6,677	1/2		1/2		1/2		1/2	
3/4	586	3/4	1,809	3/4	3,033	3/4	4,256	3/4	5,479	3/4	6,702	3/4		3/4		3/4		3/4	
6	612	6	1,835	6	3,058	6	4,281	6	5,505	6	6,728	6		6		6		6	
1/4	637	1/4	1,860	1/4	3,084	1/4	4,307	1/4	5,530	1/4	6,753	1/4		1/4		1/4		1/4	
1/2	663	1/2	1,886	1/2	3,109	1/2	4,332	1/2	5,555	1/2	6,779	1/2		1/2		1/2		1/2	
3/4	688	3/4	1,911	3/4	3,135	3/4	4,358	3/4	5,581	3/4	6,804	3/4		3/4		3/4		3/4	
7	714	7	1,937	7	3,160	7	4,383	7	5,606	7	6,830	7		7		7		7	
1/4	739	1/4	1,962	1/4	3,185	1/4	4,409	1/4	5,632	1/4	6,855	1/4		1/4		1/4		1/4	
1/2	765	1/2	1,988	1/2	3,211	1/2	4,434	1/2	5,657	1/2	6,881	1/2		1/2		1/2		1/2	
3/4	790	3/4	2,013	3/4	3,236	3/4	4,460	3/4	5,683	3/4	6,906	3/4		3/4		3/4		3/4	
8	815	8	2,039	8	3,262	8	4,485	8	5,708	8	6,932	8		8		8		8	
1/4	841	1/4	2,064	1/4	3,287	1/4	4,511	1/4	5,734	1/4	6,957	1/4		1/4		1/4		1/4	
1/2	866	1/2	2,090	1/2	3,313	1/2	4,536	1/2	5,759	1/2	6,983	1/2		1/2		1/2		1/2	
3/4	892	3/4	2,115	3/4	3,338	3/4	4,562	3/4	5,785	3/4	7,008	3/4		3/4		3/4		3/4	
9	917	9	2,141	9	3,364	9	4,587	9	5,810	9	7,034	9		9		9		9	
1/4	943	1/4	2,166	1/4	3,389	1/4	4,613	1/4	5,836	1/4	7,059	1/4		1/4		1/4		1/4	
1/2	968	1/2	2,192	1/2	3,415	1/2	4,638	1/2	5,861	1/2	7,084	1/2		1/2		1/2		1/2	
3/4	994	3/4	2,217	3/4	3,440	3/4	4,664	3/4	5,887	3/4	7,110	3/4		3/4		3/4		3/4	
10	1,019	10	2,243	10	3,466	10	4,689	10	5,912	10	7,135	10		10		10		10	
1/4	1,045	1/4	2,268	1/4	3,491	1/4	4,715	1/4	5,938	1/4	7,161	1/4		1/4		1/4		1/4	
1/2	1,070	1/2	2,294	1/2	3,517	1/2	4,740	1/2	5,963	1/2	7,186	1/2		1/2		1/2		1/2	
3/4	1,096	3/4	2,319	3/4	3,542	3/4	4,765	3/4	5,989	3/4	7,212	3/4		3/4		3/4		3/4	
11	1,121	11	2,345	11	3,568	11	4,791	11	6,014	11	7,237	11		11		11		11	
1/4	1,147	1/4	2,370	1/4	3,593	1/4	4,816	1/4	6,040	1/4	7,263	1/4		1/4		1/4		1/4	
1/2	1,172	1/2	2,395	1/2	3,619	1/2	4,842	1/2	6,065	1/2	7,288	1/2		1/2		1/2		1/2	
3/4	1,198	3/4	2,421	3/4	3,644	3/4	4,867	3/4	6,091	3/4	7,314	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: 09/06/2012 CL - SW
RECALCULATED: 02/24/2022 PMA
NAME CHANGE: 02/24/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2022

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 30036"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "SMI 30037"

GAUGE HEIGHT 4'-05 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	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: 09/06/2012 CL - SW
RECALCULATED: 02/24/2022 PMA
NAME CHANGE: 02/24/2022 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2022

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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