



# BARGE "KIRBY 29171"

## ULLAGE TRIM TABLE FORMERLY " SMI 30062"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 235'-09"

May 28, 2024

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 29171"

## 1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: "SMI 30062"

GAUGE HEIGHT 17'-03 1/2"

N	0 FT.	N	1 FT.	N	2 FT.	N	3 FT.	N	4 FT.	N	5 FT.	N	6 FT.	N	7 FT.	N	8 FT.	N	9 FT.
0		0		0		0		0	4,700.23	0	4,343.62	0	3,985.76	0	3,627.83	0	3,269.89	0	2,911.95
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,692.84	1/4	4,336.18	1/4	3,978.31	1/4	3,620.37	1/4	3,262.43	1/4	2,904.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,685.44	1/2	4,328.75	1/2	3,970.85	1/2	3,612.91	1/2	3,254.98	1/2	2,897.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,013.16	3/4	4,678.05	3/4	4,321.30	3/4	3,963.39	3/4	3,605.46	3/4	2,889.58
1		1		1		1		1	5,008.69	1	4,670.65	1	4,313.85	1	3,955.93	1	3,598.00	1	3,240.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,004.22	1/4	4,663.26	1/4	4,306.40	1/4	3,948.48	1/4	3,590.54	1/4	3,232.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,999.75	1/2	4,655.86	1/2	4,298.96	1/2	3,941.02	1/2	3,583.08	1/2	3,225.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,994.22	3/4	4,648.44	3/4	4,291.50	3/4	3,933.56	3/4	3,575.63	3/4	3,217.69
2		2		2		2		2	4,988.68	2	4,641.01	2	4,284.04	2	3,926.11	2	3,568.17	2	3,210.23
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,983.15	1/4	4,633.59	1/4	4,276.59	1/4	3,918.65	1/4	3,560.71	1/4	3,202.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,977.61	1/2	4,626.16	1/2	4,269.13	1/2	3,911.19	1/2	3,553.26	1/2	3,195.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,971.01	3/4	4,618.73	3/4	4,261.67	3/4	3,903.74	3/4	3,545.80	3/4	3,187.86
3		3		3		3		3	4,964.42	3	4,611.29	3	4,254.21	3	3,896.28	3	3,538.34	3	3,180.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,957.82	1/4	4,603.86	1/4	4,246.76	1/4	3,888.82	1/4	3,530.89	1/4	3,172.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,951.22	1/2	4,596.42	1/2	4,239.30	1/2	3,881.36	1/2	3,523.43	1/2	3,165.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,943.95	3/4	4,588.99	3/4	4,231.84	3/4	3,873.91	3/4	3,515.97	3/4	3,158.04
4		4		4		4		4	4,936.69	4	4,581.55	4	4,224.39	4	3,866.45	4	3,508.51	4	3,150.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,929.42	1/4	4,574.11	1/4	4,216.93	1/4	3,858.99	1/4	3,501.06	1/4	3,143.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,922.15	1/2	4,566.68	1/2	4,209.47	1/2	3,851.54	1/2	3,493.60	1/2	3,135.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,914.75	3/4	4,559.24	3/4	4,202.02	3/4	3,844.08	3/4	3,486.14	3/4	3,128.21
5		5		5		5		5	4,907.35	5	4,551.81	5	4,194.56	5	3,836.62	5	3,478.69	5	3,120.75
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,899.95	1/4	4,544.37	1/4	4,187.10	1/4	3,829.17	1/4	3,471.23	1/4	3,113.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,892.55	1/2	4,536.94	1/2	4,179.64	1/2	3,821.71	1/2	3,463.77	1/2	3,105.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,885.16	3/4	4,529.50	3/4	4,172.19	3/4	3,814.25	3/4	3,456.32	3/4	3,098.38
6		6		6		6		6	4,877.76	6	4,522.07	6	4,164.73	6	3,806.79	6	3,448.86	6	3,090.92
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,870.36	1/4	4,514.63	1/4	4,157.27	1/4	3,799.34	1/4	3,441.40	1/4	3,083.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,862.96	1/2	4,507.20	1/2	4,149.82	1/2	3,791.88	1/2	3,433.94	1/2	3,076.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,855.56	3/4	4,499.76	3/4	4,142.36	3/4	3,784.42	3/4	3,426.49	3/4	3,068.55
7		7		7		7		7	4,848.16	7	4,492.33	7	4,134.90	7	3,776.97	7	3,419.03	7	3,061.09
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,840.76	1/4	4,484.89	1/4	4,127.45	1/4	3,769.51	1/4	3,411.57	1/4	3,053.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,833.36	1/2	4,477.46	1/2	4,119.99	1/2	3,762.05	1/2	3,404.12	1/2	3,046.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,825.96	3/4	4,470.02	3/4	4,112.53	3/4	3,754.60	3/4	3,396.66	3/4	3,038.72
8		8		8		8		8	4,818.56	8	4,462.59	8	4,105.07	8	3,747.14	8	3,389.20	8	3,031.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,811.17	1/4	4,455.15	1/4	4,097.62	1/4	3,739.68	1/4	3,381.75	1/4	3,023.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,803.77	1/2	4,447.71	1/2	4,090.16	1/2	3,732.22	1/2	3,374.29	1/2	3,016.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,796.37	3/4	4,440.28	3/4	4,082.70	3/4	3,724.77	3/4	3,366.83	3/4	3,008.90
9		9		9		9		9	4,788.98	9	4,432.84	9	4,075.25	9	3,717.31	9	3,359.37	9	3,001.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,781.58	1/4	4,425.41	1/4	4,067.79	1/4	3,709.85	1/4	3,351.92	1/4	2,993.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,774.19	1/2	4,417.97	1/2	4,060.33	1/2	3,702.40	1/2	3,344.46	1/2	2,986.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,766.79	3/4	4,410.54	3/4	4,052.88	3/4	3,694.94	3/4	3,337.00	3/4	2,979.07
10		10		10		10		10	4,759.40	10	4,403.10	10	4,045.42	10	3,687.48	10	3,329.55	10	2,971.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,752.00	1/4	4,395.67	1/4	4,037.96	1/4	3,680.03	1/4	3,322.09	1/4	2,964.15
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,744.61	1/2	4,388.23	1/2	4,030.50	1/2	3,672.57	1/2	3,314.63	1/2	2,956.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,737.21	3/4	4,380.80	3/4	4,023.05	3/4	3,665.11	3/4	3,307.18	3/4	2,949.24
11		11		11		11		11	4,729.82	11	4,373.36	11	4,015.59	11	3,657.65	11	3,299.72	11	2,941.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,722.42	1/4	4,365.93	1/4	4,008.13	1/4	3,650.20	1/4	3,292.26	1/4	2,934.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,715.02	1/2	4,358.49	1/2	4,000.68	1/2	3,642.74	1/2	3,284.80	1/2	2,926.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,707.63	3/4	4,351.06	3/4	3,993.22	3/4	3,635.28	3/4	3,277.35	3/4	2,919.41

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 29171"

## 1 PORT ULLAGE TABLE HERMETIC

CONTAINS 1000 BARRELS OF 42 U.S. GALLONS

FORMERLY: "SMI 30062"

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	2,553.83	0	2,195.71	0	1,837.58	0	1,479.45	0	1,121.37	0	765.38	0	409.23	0	90.17	0		0	
1/4	2,546.37	1/4	2,188.24	1/4	1,830.12	1/4	1,471.99	1/4	1,113.93	1/4	757.94	1/4	402.05	1/4	84.05	1/4		1/4	
1/2	2,538.91	1/2	2,180.78	1/2	1,822.66	1/2	1,464.53	1/2	1,106.49	1/2	750.49	1/2	394.88	1/2	77.93	1/2		1/2	
3/4	2,531.45	3/4	2,173.32	3/4	1,815.19	3/4	1,457.07	3/4	1,099.06	3/4	743.03	3/4	387.79	3/4	71.90	3/4		3/4	
1	2,523.99	1	2,165.86	1	1,807.73	1	1,449.61	1	1,091.63	1	735.57	1	380.71	1	65.87	1		1	
1/4	2,516.53	1/4	2,158.40	1/4	1,800.27	1/4	1,442.14	1/4	1,084.19	1/4	728.10	1/4	373.62	1/4	59.84	1/4		1/4	
1/2	2,509.07	1/2	2,150.94	1/2	1,792.81	1/2	1,434.68	1/2	1,076.76	1/2	720.64	1/2	366.53	1/2	53.81	1/2		1/2	
3/4	2,501.61	3/4	2,143.48	3/4	1,785.35	3/4	1,427.22	3/4	1,069.34	3/4	713.18	3/4	359.53	3/4	48.56	3/4		3/4	
2	2,494.15	2	2,136.02	2	1,777.89	2	1,419.76	2	1,061.92	2	705.72	2	352.53	2	43.32	2		2	
1/4	2,486.68	1/4	2,128.56	1/4	1,770.43	1/4	1,412.30	1/4	1,054.50	1/4	698.26	1/4	345.54	1/4	38.07	1/4		1/4	
1/2	2,479.22	1/2	2,121.10	1/2	1,762.97	1/2	1,404.84	1/2	1,047.08	1/2	690.80	1/2	338.54	1/2	32.83	1/2		1/2	
3/4	2,471.76	3/4	2,113.63	3/4	1,755.51	3/4	1,397.38	3/4	1,039.66	3/4	683.34	3/4	331.63	3/4	29.31	3/4		3/4	
3	2,464.30	3	2,106.17	3	1,748.05	3	1,389.92	3	1,032.24	3	675.88	3	324.71	3	25.78	3		3	
1/4	2,456.84	1/4	2,098.71	1/4	1,740.58	1/4	1,382.46	1/4	1,024.83	1/4	668.42	1/4	317.80	1/4	22.26	1/4		1/4	
1/2	2,449.38	1/2	2,091.25	1/2	1,733.12	1/2	1,375.00	1/2	1,017.41	1/2	660.96	1/2	310.89	1/2	18.73	1/2		1/2	
3/4	2,441.92	3/4	2,083.79	3/4	1,725.66	3/4	1,367.53	3/4	1,010.00	3/4	653.50	3/4	304.07	3/4		3/4		3/4	
4	2,434.46	4	2,076.33	4	1,718.20	4	1,360.07	4	1,002.59	4	646.04	4	297.25	4		4		4	
1/4	2,427.00	1/4	2,068.87	1/4	1,710.74	1/4	1,352.61	1/4	995.17	1/4	638.58	1/4	290.42	1/4		1/4		1/4	
1/2	2,419.54	1/2	2,061.41	1/2	1,703.28	1/2	1,345.15	1/2	987.76	1/2	631.12	1/2	283.60	1/2		1/2		1/2	
3/4	2,412.07	3/4	2,053.95	3/4	1,695.82	3/4	1,337.69	3/4	980.35	3/4	623.65	3/4	276.87	3/4		3/4		3/4	
5	2,404.61	5	2,046.49	5	1,688.36	5	1,330.23	5	972.94	5	616.19	5	270.13	5		5		5	
1/4	2,397.15	1/4	2,039.02	1/4	1,680.90	1/4	1,322.77	1/4	965.53	1/4	608.73	1/4	263.40	1/4		1/4		1/4	
1/2	2,389.69	1/2	2,031.56	1/2	1,673.44	1/2	1,315.31	1/2	958.12	1/2	601.27	1/2	256.66	1/2		1/2		1/2	
3/4	2,382.23	3/4	2,024.10	3/4	1,665.97	3/4	1,307.85	3/4	950.71	3/4	593.81	3/4	250.01	3/4		3/4		3/4	
6	2,374.77	6	2,016.64	6	1,658.51	6	1,300.39	6	943.30	6	586.35	6	243.37	6		6		6	
1/4	2,367.31	1/4	2,009.18	1/4	1,651.05	1/4	1,292.92	1/4	935.89	1/4	578.89	1/4	236.72	1/4		1/4		1/4	
1/2	2,359.85	1/2	2,001.72	1/2	1,643.59	1/2	1,285.46	1/2	928.48	1/2	571.43	1/2	230.07	1/2		1/2		1/2	
3/4	2,352.39	3/4	1,994.26	3/4	1,636.13	3/4	1,278.00	3/4	921.07	3/4	563.97	3/4	223.51	3/4		3/4		3/4	
7	2,344.93	7	1,986.80	7	1,628.67	7	1,270.54	7	913.66	7	556.51	7	216.95	7		7		7	
1/4	2,337.46	1/4	1,979.34	1/4	1,621.21	1/4	1,263.08	1/4	906.25	1/4	549.05	1/4	210.39	1/4		1/4		1/4	
1/2	2,330.00	1/2	1,971.88	1/2	1,613.75	1/2	1,255.62	1/2	898.84	1/2	541.59	1/2	203.84	1/2		1/2		1/2	
3/4	2,322.54	3/4	1,964.41	3/4	1,606.29	3/4	1,248.16	3/4	891.43	3/4	534.13	3/4	197.36	3/4		3/4		3/4	
8	2,315.08	8	1,956.95	8	1,598.83	8	1,240.70	8	884.02	8	526.67	8	190.89	8		8		8	
1/4	2,307.62	1/4	1,949.49	1/4	1,591.36	1/4	1,233.24	1/4	876.61	1/4	519.21	1/4	184.42	1/4		1/4		1/4	
1/2	2,300.16	1/2	1,942.03	1/2	1,583.90	1/2	1,225.78	1/2	869.20	1/2	511.74	1/2	177.95	1/2		1/2		1/2	
3/4	2,292.70	3/4	1,934.57	3/4	1,576.44	3/4	1,218.31	3/4	861.79	3/4	504.32	3/4	171.57	3/4		3/4		3/4	
9	2,285.24	9	1,927.11	9	1,568.98	9	1,210.85	9	854.38	9	496.89	9	165.18	9		9		9	
1/4	2,277.78	1/4	1,919.65	1/4	1,561.52	1/4	1,203.39	1/4	846.97	1/4	489.46	1/4	158.80	1/4		1/4		1/4	
1/2	2,270.32	1/2	1,912.19	1/2	1,554.06	1/2	1,195.93	1/2	839.56	1/2	482.03	1/2	152.42	1/2		1/2		1/2	
3/4	2,262.85	3/4	1,904.73	3/4	1,546.60	3/4	1,188.47	3/4	832.15	3/4	474.6825	3/4	146.12	3/4		3/4		3/4	
10	2,255.39	10	1,897.27	10	1,539.14	10	1,181.01	10	824.74	10	467.33	10	139.83	10		10		10	
1/4	2,247.93	1/4	1,889.80	1/4	1,531.68	1/4	1,173.55	1/4	817.33	1/4	459.98	1/4	133.53	1/4		1/4		1/4	
1/2	2,240.47	1/2	1,882.34	1/2	1,524.22	1/2	1,166.09	1/2	809.92	1/2	452.63	1/2	127.24	1/2		1/2		1/2	
3/4	2,233.01	3/4	1,874.88	3/4	1,516.75	3/4	1,158.63	3/4	802.51	3/4	445.37	3/4	121.03	3/4		3/4		3/4	
11	2,225.55	11	1,867.42	11	1,509.29	11	1,151.17	11	795.10	11	438.10	11	114.82	11		11		11	
1/4	2,218.09	1/4	1,859.96	1/4	1,501.83	1/4	1,143.70	1/4	787.69	1/4	430.84	1/4	108.62	1/4		1/4		1/4	
1/2	2,210.63	1/2	1,852.50	1/2	1,494.37	1/2	1,136.24	1/2	780.28	1/2	423.58	1/2	102.41	1/2		1/2		1/2	
3/4	2,203.17	3/4	1,845.04	3/4	1,486.91	3/4	1,128.80	3/4	772.83	3/4	416.40	3/4	96.29	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/14/2014 SW  
CALCULATED: 05/14/2014 CL  
VERIFIED: 05/28/2024 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2024

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "KIRBY 29171"

## 1 STBD

### ULLAGE TABLE

### HERMETIC

### GAUGE HEIGHT 17'-04"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: "SMI 30062"

N	0 FT.	N	1 FT.	N	2 FT.	N	3 FT.	N	4 FT.	N	5 FT.	N	6 FT.	N	7 FT.	N	8 FT.	N	9 FT.
0	0	0	0	0	0	0	0	0	4,716.61	0	4,360.08	0	4,002.28	0	3,644.35	0	3,286.42	0	2,928.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,709.22	1/4	4,352.65	1/4	3,994.82	1/4	3,636.89	1/4	3,278.96	1/4	2,921.03
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,701.82	1/2	4,345.21	1/2	3,987.36	1/2	3,629.43	1/2	3,271.50	1/2	2,913.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,694.42	3/4	4,337.78	3/4	3,979.91	3/4	3,621.98	3/4	3,264.04	3/4	2,906.12
1	1	1	1	1	1	1	1	1	4,687.03	1	4,330.34	1	3,972.45	1	3,614.52	1	3,256.59	1	2,898.66
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,014.74	1/4	4,679.63	1/4	4,322.90	1/4	3,964.99	1/4	3,607.06	1/4	3,249.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,010.27	1/2	4,672.24	1/2	4,315.45	1/2	3,957.54	1/2	3,599.60	1/2	3,241.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,005.80	3/4	4,664.84	3/4	4,308.00	3/4	3,950.08	3/4	3,592.15	3/4	3,234.22
2	2	2	2	2	2	2	2	2	5,001.33	2	4,657.45	2	4,300.55	2	3,942.62	2	3,584.69	2	3,226.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,995.80	1/4	4,650.02	1/4	4,293.10	1/4	3,935.17	1/4	3,577.23	1/4	3,219.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,990.26	1/2	4,642.60	1/2	4,285.64	1/2	3,927.71	1/2	3,569.78	1/2	3,211.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,984.73	3/4	4,635.17	3/4	4,278.18	3/4	3,920.25	3/4	3,562.32	3/4	3,204.39
3	3	3	3	3	3	3	3	3	4,979.20	3	4,627.75	3	4,270.73	3	3,912.79	3	3,554.86	3	3,196.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,972.60	1/4	4,620.32	1/4	4,263.27	1/4	3,905.34	1/4	3,547.41	1/4	3,189.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,966.00	1/2	4,612.88	1/2	4,255.81	1/2	3,897.88	1/2	3,539.95	1/2	3,182.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,959.40	3/4	4,605.44	3/4	4,248.36	3/4	3,890.42	3/4	3,532.49	3/4	3,174.56
4	4	4	4	4	4	4	4	4	4,952.80	4	4,598.01	4	4,240.90	4	3,882.97	4	3,525.04	4	3,167.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,945.53	1/4	4,590.57	1/4	4,233.44	1/4	3,875.51	1/4	3,517.58	1/4	3,159.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,938.27	1/2	4,583.14	1/2	4,225.98	1/2	3,868.05	1/2	3,510.12	1/2	3,152.19
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,931.00	3/4	4,575.70	3/4	4,218.53	3/4	3,860.60	3/4	3,502.67	3/4	3,144.73
5	5	5	5	5	5	5	5	5	4,923.74	5	4,568.27	5	4,211.07	5	3,853.14	5	3,495.21	5	3,137.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,916.34	1/4	4,560.83	1/4	4,203.61	1/4	3,845.68	1/4	3,487.75	1/4	3,129.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,908.94	1/2	4,553.40	1/2	4,196.16	1/2	3,838.23	1/2	3,480.29	1/2	3,122.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,901.54	3/4	4,545.96	3/4	4,188.70	3/4	3,830.77	3/4	3,472.84	3/4	3,114.91
6	6	6	6	6	6	6	6	6	4,894.14	6	4,538.53	6	4,181.24	6	3,823.31	6	3,465.38	6	3,107.45
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,886.74	1/4	4,531.09	1/4	4,173.79	1/4	3,815.86	1/4	3,457.92	1/4	3,099.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,879.34	1/2	4,523.66	1/2	4,166.33	1/2	3,808.40	1/2	3,450.47	1/2	3,092.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,871.94	3/4	4,516.22	3/4	4,158.87	3/4	3,800.94	3/4	3,443.01	3/4	3,085.08
7	7	7	7	7	7	7	7	7	4,864.54	7	4,508.79	7	4,151.42	7	3,793.48	7	3,435.55	7	3,077.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,857.14	1/4	4,501.35	1/4	4,143.96	1/4	3,786.03	1/4	3,428.10	1/4	3,070.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,849.74	1/2	4,493.92	1/2	4,136.50	1/2	3,778.57	1/2	3,420.64	1/2	3,062.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,842.34	3/4	4,486.48	3/4	4,129.04	3/4	3,771.11	3/4	3,413.18	3/4	3,055.25
8	8	8	8	8	8	8	8	8	4,834.94	8	4,479.05	8	4,121.59	8	3,763.66	8	3,405.73	8	3,047.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,827.55	1/4	4,471.61	1/4	4,114.13	1/4	3,756.20	1/4	3,398.27	1/4	3,040.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,820.15	1/2	4,464.18	1/2	4,106.67	1/2	3,748.74	1/2	3,390.81	1/2	3,032.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,812.75	3/4	4,456.74	3/4	4,099.22	3/4	3,741.29	3/4	3,383.35	3/4	3,025.42
9	9	9	9	9	9	9	9	9	4,805.36	9	4,449.31	9	4,091.76	9	3,733.83	9	3,375.90	9	3,017.97
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,797.96	1/4	4,441.87	1/4	4,084.30	1/4	3,726.37	1/4	3,368.44	1/4	3,010.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,790.56	1/2	4,434.44	1/2	4,076.85	1/2	3,718.92	1/2	3,360.98	1/2	3,003.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,783.17	3/4	4,427.00	3/4	4,069.39	3/4	3,711.46	3/4	3,353.53	3/4	2,995.60
10	10	10	10	10	10	10	10	10	4,775.77	10	4,419.56	10	4,061.93	10	3,704.00	10	3,346.07	10	2,988.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,768.38	1/4	4,412.13	1/4	4,054.48	1/4	3,696.54	1/4	3,338.61	1/4	2,980.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,760.98	1/2	4,404.69	1/2	4,047.02	1/2	3,689.09	1/2	3,331.16	1/2	2,973.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,753.59	3/4	4,397.26	3/4	4,039.56	3/4	3,681.63	3/4	3,323.70	3/4	2,965.77
11	11	11	11	11	11	11	11	11	4,746.19	11	4,389.82	11	4,032.11	11	3,674.17	11	3,316.24	11	2,958.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,738.80	1/4	4,382.39	1/4	4,024.65	1/4	3,666.72	1/4	3,308.79	1/4	2,950.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,731.40	1/2	4,374.95	1/2	4,017.19	1/2	3,659.26	1/2	3,301.33	1/2	2,943.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,724.01	3/4	4,367.52	3/4	4,009.73	3/4	3,651.80	3/4	3,293.87	3/4	2,935.94

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

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

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 29171"

**1 STBD**  
**ULLAGE TABLE**  
**HERMETIC**  
**GAUGE HEIGHT 17'-04"**

CONTAINS 111 BARRELS OF 42 U.S. GALLONS

FORMERLY: "SMI 30062"

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	2,570.38	0	2,212.26	0	1,854.14	0	1,496.01	0	1,137.89	0	780.25	0	423.58	0	102.41	0		0	
1/4	2,562.92	1/4	2,204.80	1/4	1,846.68	1/4	1,488.55	1/4	1,130.43	1/4	772.79	1/4	416.40	1/4	96.29	1/4		1/4	
1/2	2,555.46	1/2	2,197.34	1/2	1,839.21	1/2	1,481.09	1/2	1,122.97	1/2	765.34	1/2	409.23	1/2	90.17	1/2		1/2	
3/4	2,548.00	3/4	2,189.88	3/4	1,831.75	3/4	1,473.63	3/4	1,115.51	3/4	757.88	3/4	402.05	3/4	84.05	3/4		3/4	
1	2,540.54	1	2,182.42	1	1,824.29	1	1,466.17	1	1,108.05	1	750.42	1	394.88	1	77.93	1		1	
1/4	2,533.08	1/4	2,174.96	1/4	1,816.83	1/4	1,458.71	1/4	1,100.59	1/4	742.96	1/4	387.79	1/4	71.90	1/4		1/4	
1/2	2,525.62	1/2	2,167.49	1/2	1,809.37	1/2	1,451.25	1/2	1,093.12	1/2	735.50	1/2	380.71	1/2	65.87	1/2		1/2	
3/4	2,518.16	3/4	2,160.03	3/4	1,801.91	3/4	1,443.79	3/4	1,085.66	3/4	728.04	3/4	373.62	3/4	59.84	3/4		3/4	
2	2,510.70	2	2,152.57	2	1,794.45	2	1,436.33	2	1,078.20	2	720.58	2	366.53	2	53.81	2		2	
1/4	2,503.24	1/4	2,145.11	1/4	1,786.99	1/4	1,428.87	1/4	1,070.75	1/4	713.12	1/4	359.53	1/4	48.56	1/4		1/4	
1/2	2,495.77	1/2	2,137.65	1/2	1,779.53	1/2	1,421.40	1/2	1,063.29	1/2	705.66	1/2	352.53	1/2	43.32	1/2		1/2	
3/4	2,488.31	3/4	2,130.19	3/4	1,772.07	3/4	1,413.94	3/4	1,055.84	3/4	698.20	3/4	345.54	3/4	38.07	3/4		3/4	
3	2,480.85	3	2,122.73	3	1,764.61	3	1,406.48	3	1,048.38	3	690.74	3	338.54	3	32.83	3		3	
1/4	2,473.39	1/4	2,115.27	1/4	1,757.15	1/4	1,399.02	1/4	1,040.93	1/4	683.28	1/4	331.63	1/4	29.31	1/4		1/4	
1/2	2,465.93	1/2	2,107.81	1/2	1,749.68	1/2	1,391.56	1/2	1,033.47	1/2	675.82	1/2	324.71	1/2	25.78	1/2		1/2	
3/4	2,458.47	3/4	2,100.35	3/4	1,742.22	3/4	1,384.10	3/4	1,026.02	3/4	668.36	3/4	317.80	3/4	22.26	3/4		3/4	
4	2,451.01	4	2,092.89	4	1,734.76	4	1,376.64	4	1,018.56	4	660.90	4	310.89	4	18.73	4		4	
1/4	2,443.55	1/4	2,085.42	1/4	1,727.30	1/4	1,369.18	1/4	1,011.11	1/4	653.44	1/4	304.07	1/4		1/4		1/4	
1/2	2,436.09	1/2	2,077.96	1/2	1,719.84	1/2	1,361.72	1/2	1,003.67	1/2	645.97	1/2	297.25	1/2		1/2		1/2	
3/4	2,428.63	3/4	2,070.50	3/4	1,712.38	3/4	1,354.26	3/4	996.22	3/4	638.51	3/4	290.42	3/4		3/4		3/4	
5	2,421.17	5	2,063.04	5	1,704.92	5	1,346.80	5	988.77	5	631.05	5	283.60	5		5		5	
1/4	2,413.70	1/4	2,055.58	1/4	1,697.46	1/4	1,339.33	1/4	981.32	1/4	623.59	1/4	276.87	1/4		1/4		1/4	
1/2	2,406.24	1/2	2,048.12	1/2	1,690.00	1/2	1,331.87	1/2	973.87	1/2	616.13	1/2	270.13	1/2		1/2		1/2	
3/4	2,398.78	3/4	2,040.66	3/4	1,682.54	3/4	1,324.41	3/4	966.43	3/4	608.67	3/4	263.40	3/4		3/4		3/4	
6	2,391.32	6	2,033.20	6	1,675.08	6	1,316.95	6	958.98	6	601.21	6	256.66	6		6		6	
1/4	2,383.86	1/4	2,025.74	1/4	1,667.61	1/4	1,309.49	1/4	951.53	1/4	593.75	1/4	250.01	1/4		1/4		1/4	
1/2	2,376.40	1/2	2,018.28	1/2	1,660.15	1/2	1,302.03	1/2	944.09	1/2	586.29	1/2	243.37	1/2		1/2		1/2	
3/4	2,368.94	3/4	2,010.82	3/4	1,652.69	3/4	1,294.57	3/4	936.64	3/4	578.83	3/4	236.72	3/4		3/4		3/4	
7	2,361.48	7	2,003.35	7	1,645.23	7	1,287.11	7	929.19	7	571.37	7	230.07	7		7		7	
1/4	2,354.02	1/4	1,995.89	1/4	1,637.77	1/4	1,279.65	1/4	921.74	1/4	563.91	1/4	223.51	1/4		1/4		1/4	
1/2	2,346.56	1/2	1,988.43	1/2	1,630.31	1/2	1,272.19	1/2	914.30	1/2	556.46	1/2	216.95	1/2		1/2		1/2	
3/4	2,339.10	3/4	1,980.97	3/4	1,622.85	3/4	1,264.73	3/4	906.85	3/4	549.00	3/4	210.39	3/4		3/4		3/4	
8	2,331.63	8	1,973.51	8	1,615.39	8	1,257.26	8	899.40	8	541.55	8	203.84	8		8		8	
1/4	2,324.17	1/4	1,966.05	1/4	1,607.93	1/4	1,249.80	1/4	891.96	1/4	534.10	1/4	197.36	1/4		1/4		1/4	
1/2	2,316.71	1/2	1,958.59	1/2	1,600.47	1/2	1,242.34	1/2	884.51	1/2	526.64	1/2	190.89	1/2		1/2		1/2	
3/4	2,309.25	3/4	1,951.13	3/4	1,593.01	3/4	1,234.88	3/4	877.06	3/4	519.19	3/4	184.42	3/4		3/4		3/4	
9	2,301.79	9	1,943.67	9	1,585.54	9	1,227.42	9	869.62	9	511.74	9	177.95	9		9		9	
1/4	2,294.33	1/4	1,936.21	1/4	1,578.08	1/4	1,219.96	1/4	862.17	1/4	504.31	1/4	171.57	1/4		1/4		1/4	
1/2	2,286.87	1/2	1,928.75	1/2	1,570.62	1/2	1,212.50	1/2	854.72	1/2	496.88	1/2	165.18	1/2		1/2		1/2	
3/4	2,279.41	3/4	1,921.28	3/4	1,563.16	3/4	1,205.04	3/4	847.27	3/4	489.459	3/4	158.80	3/4		3/4		3/4	
10	2,271.95	10	1,913.82	10	1,555.70	10	1,197.58	10	839.83	10	482.03	10	152.42	10		10		10	
1/4	2,264.49	1/4	1,906.36	1/4	1,548.24	1/4	1,190.12	1/4	832.38	1/4	474.68	1/4	146.12	1/4		1/4		1/4	
1/2	2,257.03	1/2	1,898.90	1/2	1,540.78	1/2	1,182.66	1/2	824.93	1/2	467.33	1/2	139.83	1/2		1/2		1/2	
3/4	2,249.56	3/4	1,891.44	3/4	1,533.32	3/4	1,175.19	3/4	817.49	3/4	459.98	3/4	133.53	3/4		3/4		3/4	
11	2,242.10	11	1,883.98	11	1,525.86	11	1,167.73	11	810.04	11	452.63	11	127.24	11		11		11	
1/4	2,234.64	1/4	1,876.52	1/4	1,518.40	1/4	1,160.27	1/4	802.59	1/4	445.37	1/4	121.03	1/4		1/4		1/4	
1/2	2,227.18	1/2	1,869.06	1/2	1,510.94	1/2	1,152.81	1/2	795.15	1/2	438.10	1/2	114.82	1/2		1/2		1/2	
3/4	2,219.72	3/4	1,861.60	3/4	1,503.47	3/4	1,145.35	3/4	787.70	3/4	430.84	3/4	108.62	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/14/2014 SW  
 CALCULATED: 05/14/2014 CL  
 VERIFIED: 05/28/2024 CL

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 05/2024

PRECISION MEASUREMENT  
 & ANALYSIS, INC.

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



# BARGE "KIRBY 29171"

## 2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: "SMI 30062"

GAUGE HEIGHT 17'-04"

N	0 FT.	N	1 FT.	N	2 FT.	N	3 FT.	N	4 FT.	N	5 FT.	N	6 FT.	N	7 FT.	N	8 FT.	N	9 FT.
0	0	0	0	0	0	0	0	0	4,783.78	0	4,425.94	0	4,066.81	0	3,707.58	0	3,348.34	0	2,989.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,776.35	1/4	4,418.48	1/4	4,059.33	1/4	3,700.09	1/4	3,340.86	1/4	2,981.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,768.93	1/2	4,411.02	1/2	4,051.85	1/2	3,692.61	1/2	3,333.37	1/2	2,974.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,761.51	3/4	4,403.55	3/4	4,043.36	3/4	3,685.12	3/4	3,325.89	3/4	2,966.64
1	1	1	1	1	1	1	1	1	4,754.09	1	4,396.09	1	4,036.88	1	3,677.64	1	3,318.40	1	2,959.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,083.00	1/4	4,746.66	1/4	4,388.61	1/4	4,029.39	1/4	3,670.16	1/4	3,310.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,078.51	1/2	4,739.24	1/2	4,381.13	1/2	4,021.91	1/2	3,662.67	1/2	3,303.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,074.03	3/4	4,731.82	3/4	4,373.66	3/4	4,014.43	3/4	3,655.19	3/4	2,936.68
2	2	2	2	2	2	2	2	2	5,069.54	2	4,724.40	2	4,366.18	2	4,006.94	2	3,647.70	2	2,929.20
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,063.99	1/4	4,716.94	1/4	4,358.69	1/4	3,999.46	1/4	3,640.22	1/4	2,921.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,058.43	1/2	4,709.49	1/2	4,351.21	1/2	3,991.97	1/2	3,632.74	1/2	2,914.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,052.88	3/4	4,702.04	3/4	4,343.73	3/4	3,984.49	3/4	3,625.25	3/4	2,906.73
3	3	3	3	3	3	3	3	3	5,047.32	3	4,694.59	3	4,336.24	3	3,977.00	3	3,617.77	3	2,899.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,040.70	1/4	4,687.13	1/4	4,328.76	1/4	3,969.52	1/4	3,610.28	1/4	2,891.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,034.08	1/2	4,679.66	1/2	4,321.27	1/2	3,962.04	1/2	3,602.80	1/2	2,884.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,027.45	3/4	4,672.20	3/4	4,313.79	3/4	3,954.55	3/4	3,595.32	3/4	2,876.78
4	4	4	4	4	4	4	4	4	5,020.83	4	4,664.74	4	4,306.31	4	3,947.07	4	3,587.83	4	2,869.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,013.54	1/4	4,657.28	1/4	4,298.82	1/4	3,939.58	1/4	3,580.35	1/4	2,861.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,006.25	1/2	4,649.81	1/2	4,291.34	1/2	3,932.10	1/2	3,572.86	1/2	2,854.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,998.95	3/4	4,642.35	3/4	4,283.85	3/4	3,924.62	3/4	3,565.38	3/4	2,846.83
5	5	5	5	5	5	5	5	5	4,991.66	5	4,634.89	5	4,276.37	5	3,917.13	5	3,557.90	5	2,839.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,984.23	1/4	4,627.43	1/4	4,268.88	1/4	3,909.65	1/4	3,550.41	1/4	2,831.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,976.81	1/2	4,619.96	1/2	4,261.40	1/2	3,902.16	1/2	3,542.93	1/2	2,824.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,969.38	3/4	4,612.50	3/4	4,253.92	3/4	3,894.68	3/4	3,535.44	3/4	2,816.87
6	6	6	6	6	6	6	6	6	4,961.96	6	4,605.04	6	4,246.43	6	3,887.20	6	3,527.96	6	2,809.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,954.53	1/4	4,597.58	1/4	4,238.95	1/4	3,879.71	1/4	3,520.47	1/4	2,801.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,947.10	1/2	4,590.11	1/2	4,231.46	1/2	3,872.23	1/2	3,512.99	1/2	2,794.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,939.68	3/4	4,582.65	3/4	4,223.98	3/4	3,864.74	3/4	3,505.51	3/4	2,786.92
7	7	7	7	7	7	7	7	7	4,932.25	7	4,575.19	7	4,216.50	7	3,857.26	7	3,498.02	7	2,779.43
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,924.82	1/4	4,567.73	1/4	4,209.01	1/4	3,849.78	1/4	3,490.54	1/4	2,771.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,917.40	1/2	4,560.26	1/2	4,201.53	1/2	3,842.29	1/2	3,483.05	1/2	2,764.46
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,909.97	3/4	4,552.80	3/4	4,194.04	3/4	3,834.81	3/4	3,475.57	3/4	2,756.97
8	8	8	8	8	8	8	8	8	4,902.54	8	4,545.34	8	4,186.56	8	3,827.32	8	3,468.09	8	2,749.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,895.12	1/4	4,537.88	1/4	4,179.08	1/4	3,819.84	1/4	3,460.60	1/4	2,741.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,887.70	1/2	4,530.42	1/2	4,171.59	1/2	3,812.35	1/2	3,453.12	1/2	2,734.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,880.27	3/4	4,522.95	3/4	4,164.11	3/4	3,804.87	3/4	3,445.63	3/4	2,727.02
9	9	9	9	9	9	9	9	9	4,872.85	9	4,515.49	9	4,156.62	9	3,797.39	9	3,438.15	9	2,719.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,865.43	1/4	4,508.03	1/4	4,149.14	1/4	3,789.90	1/4	3,430.67	1/4	2,712.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,858.00	1/2	4,500.57	1/2	4,141.65	1/2	3,782.42	1/2	3,423.18	1/2	2,704.55
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,850.58	3/4	4,493.10	3/4	4,134.17	3/4	3,774.93	3/4	3,415.70	3/4	2,697.07
10	10	10	10	10	10	10	10	10	4,843.16	10	4,485.64	10	4,126.69	10	3,767.45	10	3,408.21	10	2,689.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,835.73	1/4	4,478.18	1/4	4,119.20	1/4	3,759.97	1/4	3,400.73	1/4	2,682.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,828.31	1/2	4,470.72	1/2	4,111.72	1/2	3,752.48	1/2	3,393.24	1/2	2,674.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,820.89	3/4	4,463.25	3/4	4,104.23	3/4	3,745.00	3/4	3,385.76	3/4	2,667.11
11	11	11	11	11	11	11	11	11	4,813.47	11	4,455.79	11	4,096.75	11	3,737.51	11	3,378.28	11	2,659.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,806.04	1/4	4,448.33	1/4	4,089.27	1/4	3,730.03	1/4	3,370.79	1/4	2,652.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,798.62	1/2	4,440.87	1/2	4,081.78	1/2	3,722.55	1/2	3,363.31	1/2	2,644.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,791.20	3/4	4,433.40	3/4	4,074.30	3/4	3,715.06	3/4	3,355.82	3/4	2,637.16

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" GAUGING 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 29171"

**2 PORT  
ULLAGE TABLE  
HERMETIC  
GAUGE HEIGHT 17'-04"**

CONTAINS 1000 BARRELS OF 42 U.S. GALLONS

FORMERLY: "SMI 30062"

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	2,629.67	0	2,270.24	0	1,910.81	0	1,551.39	0	1,191.96	0	846.61	0	487.50	0	128.07	0		0	
1/4	2,622.18	1/4	2,262.76	1/4	1,903.33	1/4	1,543.90	1/4	1,184.68	1/4	839.20	1/4	480.01	1/4	120.59	1/4		1/4	
1/2	2,614.70	1/2	2,255.27	1/2	1,895.84	1/2	1,536.41	1/2	1,177.41	1/2	831.79	1/2	472.52	1/2	113.10	1/2		1/2	
3/4	2,607.21	3/4	2,247.78	3/4	1,888.35	3/4	1,528.92	3/4	1,170.13	3/4	824.38	3/4	465.03	3/4	105.61	3/4		3/4	
1	2,599.72	1	2,240.29	1	1,880.86	1	1,521.43	1	1,162.85	1	816.97	1	457.55	1	98.12	1		1	
1/4	2,592.23	1/4	2,232.80	1/4	1,873.37	1/4	1,513.95	1/4	1,155.65	1/4	809.48	1/4	450.06	1/4	90.63	1/4		1/4	
1/2	2,584.74	1/2	2,225.31	1/2	1,865.89	1/2	1,506.46	1/2	1,148.44	1/2	801.99	1/2	442.57	1/2	83.15	1/2		1/2	
3/4	2,577.26	3/4	2,217.83	3/4	1,858.40	3/4	1,498.97	3/4	1,141.24	3/4	794.51	3/4	435.08	3/4	75.66	3/4		3/4	
2	2,569.77	2	2,210.34	2	1,850.91	2	1,491.48	2	1,134.03	2	787.02	2	427.59	2	68.17	2		2	
1/4	2,562.28	1/4	2,202.85	1/4	1,843.42	1/4	1,483.99	1/4	1,126.84	1/4	779.53	1/4	420.11	1/4	61.38	1/4		1/4	
1/2	2,554.79	1/2	2,195.36	1/2	1,835.93	1/2	1,476.50	1/2	1,119.64	1/2	772.04	1/2	412.62	1/2	54.60	1/2		1/2	
3/4	2,547.30	3/4	2,187.87	3/4	1,828.45	3/4	1,469.02	3/4	1,112.45	3/4	764.55	3/4	405.13	3/4	47.81	3/4		3/4	
3	2,539.82	3	2,180.39	3	1,820.96	3	1,461.53	3	1,105.26	3	757.07	3	397.64	3	41.03	3		3	
1/4	2,532.33	1/4	2,172.90	1/4	1,813.47	1/4	1,454.04	1/4	1,098.06	1/4	749.58	1/4	390.15	1/4	35.88	1/4		1/4	
1/2	2,524.84	1/2	2,165.41	1/2	1,805.98	1/2	1,446.55	1/2	1,090.87	1/2	742.09	1/2	382.67	1/2	30.73	1/2		1/2	
3/4	2,517.35	3/4	2,157.92	3/4	1,798.49	3/4	1,439.06	3/4	1,083.68	3/4	734.60	3/4	375.18	3/4	25.58	3/4		3/4	
4	2,509.86	4	2,150.43	4	1,791.01	4	1,431.58	4	1,076.49	4	727.11	4	367.69	4	20.43	4		4	
1/4	2,502.37	1/4	2,142.95	1/4	1,783.52	1/4	1,424.09	1/4	1,069.31	1/4	719.63	1/4	360.20	1/4		1/4		1/4	
1/2	2,494.89	1/2	2,135.46	1/2	1,776.03	1/2	1,416.60	1/2	1,062.12	1/2	712.14	1/2	352.71	1/2		1/2		1/2	
3/4	2,487.40	3/4	2,127.97	3/4	1,768.54	3/4	1,409.11	3/4	1,054.94	3/4	704.65	3/4	345.23	3/4		3/4		3/4	
5	2,479.91	5	2,120.48	5	1,761.05	5	1,401.62	5	1,047.75	5	697.16	5	337.74	5		5		5	
1/4	2,472.42	1/4	2,112.99	1/4	1,753.56	1/4	1,394.14	1/4	1,040.57	1/4	689.67	1/4	330.25	1/4		1/4		1/4	
1/2	2,464.93	1/2	2,105.51	1/2	1,746.08	1/2	1,386.65	1/2	1,033.38	1/2	682.19	1/2	322.76	1/2		1/2		1/2	
3/4	2,457.45	3/4	2,098.02	3/4	1,738.59	3/4	1,379.16	3/4	1,026.20	3/4	674.70	3/4	315.27	3/4		3/4		3/4	
6	2,449.96	6	2,090.53	6	1,731.10	6	1,371.67	6	1,019.02	6	667.21	6	307.79	6		6		6	
1/4	2,442.47	1/4	2,083.04	1/4	1,723.61	1/4	1,364.18	1/4	1,011.83	1/4	659.72	1/4	300.30	1/4		1/4		1/4	
1/2	2,434.98	1/2	2,075.55	1/2	1,716.12	1/2	1,356.70	1/2	1,004.65	1/2	652.23	1/2	292.81	1/2		1/2		1/2	
3/4	2,427.49	3/4	2,068.06	3/4	1,708.64	3/4	1,349.21	3/4	997.46	3/4	644.75	3/4	285.32	3/4		3/4		3/4	
7	2,420.01	7	2,060.58	7	1,701.15	7	1,341.72	7	990.28	7	637.26	7	277.83	7		7		7	
1/4	2,412.52	1/4	2,053.09	1/4	1,693.66	1/4	1,334.23	1/4	983.10	1/4	629.77	1/4	270.35	1/4		1/4		1/4	
1/2	2,405.03	1/2	2,045.60	1/2	1,686.17	1/2	1,326.74	1/2	975.91	1/2	622.28	1/2	262.86	1/2		1/2		1/2	
3/4	2,397.54	3/4	2,038.11	3/4	1,678.68	3/4	1,319.25	3/4	968.73	3/4	614.79	3/4	255.37	3/4		3/4		3/4	
8	2,390.05	8	2,030.62	8	1,671.20	8	1,311.77	8	961.55	8	607.31	8	247.88	8		8		8	
1/4	2,382.56	1/4	2,023.14	1/4	1,663.71	1/4	1,304.28	1/4	954.36	1/4	599.82	1/4	240.39	1/4		1/4		1/4	
1/2	2,375.08	1/2	2,015.65	1/2	1,656.22	1/2	1,296.79	1/2	947.18	1/2	592.33	1/2	232.91	1/2		1/2		1/2	
3/4	2,367.59	3/4	2,008.16	3/4	1,648.73	3/4	1,289.30	3/4	939.99	3/4	584.84	3/4	225.42	3/4		3/4		3/4	
9	2,360.10	9	2,000.67	9	1,641.24	9	1,281.81	9	932.81	9	577.35	9	217.93	9		9		9	
1/4	2,352.61	1/4	1,993.18	1/4	1,633.75	1/4	1,274.33	1/4	925.63	1/4	569.87	1/4	210.44	1/4		1/4		1/4	
1/2	2,345.12	1/2	1,985.70	1/2	1,626.27	1/2	1,266.84	1/2	918.44	1/2	562.38	1/2	202.95	1/2		1/2		1/2	
3/4	2,337.64	3/4	1,978.21	3/4	1,618.78	3/4	1,259.35	3/4	911.26	3/4	554.8891	3/4	195.47	3/4		3/4		3/4	
10	2,330.15	10	1,970.72	10	1,611.29	10	1,251.86	10	904.08	10	547.40	10	187.98	10		10		10	
1/4	2,322.66	1/4	1,963.23	1/4	1,603.80	1/4	1,244.37	1/4	896.89	1/4	539.91	1/4	180.49	1/4		1/4		1/4	
1/2	2,315.17	1/2	1,955.74	1/2	1,596.31	1/2	1,236.89	1/2	889.71	1/2	532.43	1/2	173.00	1/2		1/2		1/2	
3/4	2,307.68	3/4	1,948.26	3/4	1,588.83	3/4	1,229.40	3/4	882.53	3/4	524.94	3/4	165.51	3/4		3/4		3/4	
11	2,300.20	11	1,940.77	11	1,581.34	11	1,221.91	11	875.34	11	517.45	11	158.03	11		11		11	
1/4	2,292.71	1/4	1,933.28	1/4	1,573.85	1/4	1,214.42	1/4	868.16	1/4	509.96	1/4	150.54	1/4		1/4		1/4	
1/2	2,285.22	1/2	1,925.79	1/2	1,566.36	1/2	1,206.93	1/2	860.97	1/2	502.47	1/2	143.05	1/2		1/2		1/2	
3/4	2,277.73	3/4	1,918.30	3/4	1,558.87	3/4	1,199.45	3/4	853.79	3/4	494.99	3/4	135.56	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/14/2014 SW  
CALCULATED: 05/14/2014 CL  
VERIFIED: 05/28/2024 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2024

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



# BARGE "KIRBY 29171"

## 2 STBD

### ULLAGE TABLE

### HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: "SMI 30062"

GAUGE HEIGHT 17'-03 3/4"

N	0 FT.	N	1 FT.	N	2 FT.	N	3 FT.	N	4 FT.	N	5 FT.	N	6 FT.	N	7 FT.	N	8 FT.	N	9 FT.	
0	0	0	0	0	0	0	4,791.45	0	4,433.48	0	4,074.26	0	3,714.93	0	3,355.60	0	2,996.27			
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,784.02	1/4	4,426.02	1/4	4,066.77	1/4	3,707.44	1/4	3,348.12	1/4	2,988.78			
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,776.60	1/2	4,418.55	1/2	4,059.29	1/2	3,699.96	1/2	3,340.63	1/2	2,981.28			
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,769.17	3/4	4,411.09	3/4	4,051.80	3/4	3,692.47	3/4	3,333.14	3/4	2,973.79			
1	1	1	1	1	1	5,098.17	1	4,761.75	1	4,403.61	1	4,044.31	1	3,684.99	1	3,325.66	1	2,966.30		
1/4	1/4	1/4	1/4	1/4	1/4	5,093.69	1/4	4,754.32	1/4	4,396.14	1/4	4,036.83	1/4	3,677.50	1/4	3,318.17	1/4	2,958.81		
1/2	1/2	1/2	1/2	1/2	1/2	5,089.20	1/2	4,746.90	1/2	4,388.66	1/2	4,029.34	1/2	3,670.01	1/2	3,310.69	1/2	2,951.32		
3/4	3/4	3/4	3/4	3/4	3/4	5,084.71	3/4	4,739.48	3/4	4,381.18	3/4	4,021.86	3/4	3,662.53	3/4	3,303.20	3/4	2,943.83		
2	2	2	2	2	2	5,079.16	2	4,732.02	2	4,373.70	2	4,014.37	2	3,655.04	2	3,295.71	2	2,936.34		
1/4	1/4	1/4	1/4	1/4	1/4	5,073.60	1/4	4,724.57	1/4	4,366.21	1/4	4,006.88	1/4	3,647.56	1/4	3,288.23	1/4	2,928.85		
1/2	1/2	1/2	1/2	1/2	1/2	5,068.05	1/2	4,717.11	1/2	4,358.73	1/2	3,999.40	1/2	3,640.07	1/2	3,280.74	1/2	2,921.36		
3/4	3/4	3/4	3/4	3/4	3/4	5,062.49	3/4	4,709.66	3/4	4,351.24	3/4	3,991.91	3/4	3,632.58	3/4	3,273.26	3/4	2,913.87		
3	3	3	3	3	3	5,055.86	3	4,702.19	3	4,343.75	3	3,984.43	3	3,625.10	3	3,265.77	3	2,906.38		
1/4	1/4	1/4	1/4	1/4	1/4	5,049.24	1/4	4,694.73	1/4	4,336.27	1/4	3,976.94	1/4	3,617.61	1/4	3,258.28	1/4	2,898.89		
1/2	1/2	1/2	1/2	1/2	1/2	5,042.61	1/2	4,687.27	1/2	4,328.78	1/2	3,969.45	1/2	3,610.13	1/2	3,250.80	1/2	2,891.40		
3/4	3/4	3/4	3/4	3/4	3/4	5,035.99	3/4	4,679.80	3/4	4,321.30	3/4	3,961.97	3/4	3,602.64	3/4	3,243.31	3/4	2,883.91		
4	4	4	4	4	4	5,028.69	4	4,672.34	4	4,313.81	4	3,954.48	4	3,595.15	4	3,235.83	4	2,876.42		
1/4	1/4	1/4	1/4	1/4	1/4	5,021.40	1/4	4,664.87	1/4	4,306.32	1/4	3,947.00	1/4	3,587.67	1/4	3,228.34	1/4	2,868.93		
1/2	1/2	1/2	1/2	1/2	1/2	5,014.10	1/2	4,657.41	1/2	4,298.84	1/2	3,939.51	1/2	3,580.18	1/2	3,220.85	1/2	2,861.44		
3/4	3/4	3/4	3/4	3/4	3/4	5,006.81	3/4	4,649.95	3/4	4,291.35	3/4	3,932.02	3/4	3,572.70	3/4	3,213.37	3/4	2,853.95		
5	5	5	5	5	5	4,999.38	5	4,642.48	5	4,283.87	5	3,924.54	5	3,565.21	5	3,205.88	5	2,846.46		
1/4	1/4	1/4	1/4	1/4	1/4	4,991.95	1/4	4,635.02	1/4	4,276.38	1/4	3,917.05	1/4	3,557.72	1/4	3,198.40	1/4	2,838.97		
1/2	1/2	1/2	1/2	1/2	1/2	4,984.52	1/2	4,627.55	1/2	4,268.89	1/2	3,909.57	1/2	3,550.24	1/2	3,190.91	1/2	2,831.48		
3/4	3/4	3/4	3/4	3/4	3/4	4,977.09	3/4	4,620.09	3/4	4,261.41	3/4	3,902.08	3/4	3,542.75	3/4	3,183.42	3/4	2,823.99		
6	6	6	6	6	6	4,969.66	6	4,612.62	6	4,253.92	6	3,894.59	6	3,535.27	6	3,175.94	6	2,816.50		
1/4	1/4	1/4	1/4	1/4	1/4	4,962.24	1/4	4,605.16	1/4	4,246.44	1/4	3,887.11	1/4	3,527.78	1/4	3,168.45	1/4	2,809.01		
1/2	1/2	1/2	1/2	1/2	1/2	4,954.81	1/2	4,597.70	1/2	4,238.95	1/2	3,879.62	1/2	3,520.29	1/2	3,160.97	1/2	2,801.52		
3/4	3/4	3/4	3/4	3/4	3/4	4,947.38	3/4	4,590.23	3/4	4,231.46	3/4	3,872.14	3/4	3,512.81	3/4	3,153.48	3/4	2,794.03		
7	7	7	7	7	7	4,939.95	7	4,582.77	7	4,223.98	7	3,864.65	7	3,505.32	7	3,145.99	7	2,786.54		
1/4	1/4	1/4	1/4	1/4	1/4	4,932.52	1/4	4,575.30	1/4	4,216.49	1/4	3,857.16	1/4	3,497.84	1/4	3,138.51	1/4	2,779.05		
1/2	1/2	1/2	1/2	1/2	1/2	4,925.09	1/2	4,567.84	1/2	4,209.01	1/2	3,849.68	1/2	3,490.35	1/2	3,131.02	1/2	2,771.56		
3/4	3/4	3/4	3/4	3/4	3/4	4,917.67	3/4	4,560.37	3/4	4,201.52	3/4	3,842.19	3/4	3,482.86	3/4	3,123.54	3/4	2,764.07		
8	8	8	8	8	8	4,910.24	8	4,552.91	8	4,194.03	8	3,834.71	8	3,475.38	8	3,116.05	8	2,756.58		
1/4	1/4	1/4	1/4	1/4	1/4	4,902.81	1/4	4,545.45	1/4	4,186.55	1/4	3,827.22	1/4	3,467.89	1/4	3,108.56	1/4	2,749.09		
1/2	1/2	1/2	1/2	1/2	1/2	4,895.39	1/2	4,537.98	1/2	4,179.06	1/2	3,819.73	1/2	3,460.41	1/2	3,101.08	1/2	2,741.60		
3/4	3/4	3/4	3/4	3/4	3/4	4,887.96	3/4	4,530.52	3/4	4,171.58	3/4	3,812.25	3/4	3,452.92	3/4	3,093.59	3/4	2,734.11		
9	9	9	9	9	9	4,880.54	9	4,523.05	9	4,164.09	9	3,804.76	9	3,445.43	9	3,086.11	9	2,726.62		
1/4	1/4	1/4	1/4	1/4	1/4	4,873.11	1/4	4,515.59	1/4	4,156.60	1/4	3,797.28	1/4	3,437.95	1/4	3,078.62	1/4	2,719.13		
1/2	1/2	1/2	1/2	1/2	1/2	4,865.69	1/2	4,508.13	1/2	4,149.12	1/2	3,789.79	1/2	3,430.46	1/2	3,071.13	1/2	2,711.64		
3/4	3/4	3/4	3/4	3/4	3/4	4,858.27	3/4	4,500.66	3/4	4,141.63	3/4	3,782.30	3/4	3,422.98	3/4	3,063.65	3/4	2,704.15		
10	10	10	10	10	10	4,850.84	10	4,493.20	10	4,134.15	10	3,774.82	10	3,415.49	10	3,056.16	10	2,696.66		
1/4	1/4	1/4	1/4	1/4	1/4	4,843.42	1/4	4,485.73	1/4	4,126.66	1/4	3,767.33	1/4	3,408.00	1/4	3,048.68	1/4	2,689.18		
1/2	1/2	1/2	1/2	1/2	1/2	4,835.99	1/2	4,478.27	1/2	4,119.17	1/2	3,759.85	1/2	3,400.52	1/2	3,041.19	1/2	2,681.69		
3/4	3/4	3/4	3/4	3/4	3/4	4,828.57	3/4	4,470.80	3/4	4,111.69	3/4	3,752.36	3/4	3,393.03	3/4	3,033.70	3/4	2,674.20		
11	11	11	11	11	11	4,821.14	11	4,463.34	11	4,104.20	11	3,744.87	11	3,385.55	11	3,026.22	11	2,666.71		
1/4	1/4	1/4	1/4	1/4	1/4	4,813.72	1/4	4,455.88	1/4	4,096.72	1/4	3,737.39	1/4	3,378.06	1/4	3,018.73	1/4	2,659.22		
1/2	1/2	1/2	1/2	1/2	1/2	4,806.29	1/2	4,448.41	1/2	4,089.23	1/2	3,729.90	1/2	3,370.57	1/2	3,011.25	1/2	2,651.73		
3/4	3/4	3/4	3/4	3/4	3/4	4,798.87	3/4	4,440.95	3/4	4,081.74	3/4	3,722.42	3/4	3,363.09	3/4	3,003.76	3/4	2,644.24		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

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

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





# BARGE "KIRBY 29171"

**2 STBD  
ULLAGE TABLE  
HERMETIC**

CONTAINS 168,000 GALLONS OF 42 U.S. GALLONS

FORMERLY: "SMI 30062"

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	2,636.75	0	2,277.23	0	1,917.72	0	1,558.20	0	1,198.68	0	839.62	0	480.12	0	120.61	0		0	
1/4	2,629.26	1/4	2,269.74	1/4	1,910.23	1/4	1,550.71	1/4	1,191.20	1/4	832.14	1/4	472.63	1/4	113.12	1/4		1/4	
1/2	2,621.77	1/2	2,262.25	1/2	1,902.74	1/2	1,543.22	1/2	1,183.71	1/2	824.65	1/2	465.14	1/2	105.63	1/2		1/2	
3/4	2,614.28	3/4	2,254.76	3/4	1,895.25	3/4	1,535.73	3/4	1,176.22	3/4	817.17	3/4	457.65	3/4	98.14	3/4		3/4	
1	2,606.79	1	2,247.27	1	1,887.76	1	1,528.24	1	1,168.73	1	809.68	1	450.17	1	90.65	1		1	
1/4	2,599.30	1/4	2,239.78	1/4	1,880.27	1/4	1,520.75	1/4	1,161.24	1/4	802.19	1/4	442.68	1/4	83.16	1/4		1/4	
1/2	2,591.81	1/2	2,232.29	1/2	1,872.78	1/2	1,513.26	1/2	1,153.75	1/2	794.70	1/2	435.19	1/2	75.68	1/2		1/2	
3/4	2,584.32	3/4	2,224.80	3/4	1,865.29	3/4	1,505.77	3/4	1,146.26	3/4	787.21	3/4	427.70	3/4	68.19	3/4		3/4	
2	2,576.83	2	2,217.31	2	1,857.80	2	1,498.28	2	1,138.77	2	779.72	2	420.21	2	61.40	2		2	
1/4	2,569.34	1/4	2,209.82	1/4	1,850.31	1/4	1,490.79	1/4	1,131.28	1/4	772.23	1/4	412.72	1/4	54.61	1/4		1/4	
1/2	2,561.85	1/2	2,202.33	1/2	1,842.82	1/2	1,483.30	1/2	1,123.80	1/2	764.74	1/2	405.23	1/2	47.82	1/2		1/2	
3/4	2,554.36	3/4	2,194.84	3/4	1,835.33	3/4	1,475.81	3/4	1,116.31	3/4	757.25	3/4	397.74	3/4	41.04	3/4		3/4	
3	2,546.87	3	2,187.35	3	1,827.84	3	1,468.32	3	1,108.83	3	749.76	3	390.25	3	35.89	3		3	
1/4	2,539.38	1/4	2,179.86	1/4	1,820.35	1/4	1,460.83	1/4	1,101.34	1/4	742.27	1/4	382.76	1/4	30.74	1/4		1/4	
1/2	2,531.89	1/2	2,172.37	1/2	1,812.86	1/2	1,453.34	1/2	1,093.86	1/2	734.78	1/2	375.27	1/2	25.59	1/2		1/2	
3/4	2,524.40	3/4	2,164.88	3/4	1,805.37	3/4	1,445.85	3/4	1,086.38	3/4	727.29	3/4	367.78	3/4	20.44	3/4		3/4	
4	2,516.91	4	2,157.39	4	1,797.88	4	1,438.36	4	1,078.90	4	719.80	4	360.29	4		4		4	
1/4	2,509.42	1/4	2,149.90	1/4	1,790.39	1/4	1,430.87	1/4	1,071.42	1/4	712.31	1/4	352.80	1/4		1/4		1/4	
1/2	2,501.93	1/2	2,142.41	1/2	1,782.90	1/2	1,423.38	1/2	1,063.94	1/2	704.82	1/2	345.31	1/2		1/2		1/2	
3/4	2,494.44	3/4	2,134.92	3/4	1,775.41	3/4	1,415.89	3/4	1,056.46	3/4	697.33	3/4	337.82	3/4		3/4		3/4	
5	2,486.95	5	2,127.43	5	1,767.92	5	1,408.40	5	1,048.99	5	689.84	5	330.33	5		5		5	
1/4	2,479.46	1/4	2,119.94	1/4	1,760.43	1/4	1,400.91	1/4	1,041.51	1/4	682.35	1/4	322.84	1/4		1/4		1/4	
1/2	2,471.97	1/2	2,112.45	1/2	1,752.94	1/2	1,393.42	1/2	1,034.03	1/2	674.86	1/2	315.35	1/2		1/2		1/2	
3/4	2,464.48	3/4	2,104.96	3/4	1,745.45	3/4	1,385.93	3/4	1,026.56	3/4	667.37	3/4	307.86	3/4		3/4		3/4	
6	2,456.99	6	2,097.47	6	1,737.96	6	1,378.44	6	1,019.08	6	659.88	6	300.37	6		6		6	
1/4	2,449.50	1/4	2,089.98	1/4	1,730.47	1/4	1,370.95	1/4	1,011.60	1/4	652.39	1/4	292.88	1/4		1/4		1/4	
1/2	2,442.01	1/2	2,082.49	1/2	1,722.98	1/2	1,363.46	1/2	1,004.12	1/2	644.90	1/2	285.39	1/2		1/2		1/2	
3/4	2,434.52	3/4	2,075.00	3/4	1,715.49	3/4	1,355.97	3/4	996.65	3/4	637.41	3/4	277.90	3/4		3/4		3/4	
7	2,427.03	7	2,067.51	7	1,708.00	7	1,348.48	7	989.17	7	629.92	7	270.41	7		7		7	
1/4	2,419.54	1/4	2,060.02	1/4	1,700.51	1/4	1,340.99	1/4	981.69	1/4	622.43	1/4	262.92	1/4		1/4		1/4	
1/2	2,412.05	1/2	2,052.53	1/2	1,693.02	1/2	1,333.50	1/2	974.22	1/2	614.94	1/2	255.43	1/2		1/2		1/2	
3/4	2,404.56	3/4	2,045.04	3/4	1,685.53	3/4	1,326.01	3/4	966.74	3/4	607.45	3/4	247.94	3/4		3/4		3/4	
8	2,397.07	8	2,037.55	8	1,678.04	8	1,318.52	8	959.26	8	599.96	8	240.45	8		8		8	
1/4	2,389.58	1/4	2,030.06	1/4	1,670.55	1/4	1,311.03	1/4	951.78	1/4	592.47	1/4	232.96	1/4		1/4		1/4	
1/2	2,382.09	1/2	2,022.57	1/2	1,663.06	1/2	1,303.54	1/2	944.31	1/2	584.98	1/2	225.47	1/2		1/2		1/2	
3/4	2,374.60	3/4	2,015.08	3/4	1,655.57	3/4	1,296.05	3/4	936.83	3/4	577.49	3/4	217.98	3/4		3/4		3/4	
9	2,367.11	9	2,007.59	9	1,648.08	9	1,288.56	9	929.35	9	570.00	9	210.49	9		9		9	
1/4	2,359.62	1/4	2,000.10	1/4	1,640.59	1/4	1,281.07	1/4	921.88	1/4	562.51	1/4	203.00	1/4		1/4		1/4	
1/2	2,352.13	1/2	1,992.61	1/2	1,633.10	1/2	1,273.58	1/2	914.40	1/2	555.02	1/2	195.51	1/2		1/2		1/2	
3/4	2,344.64	3/4	1,985.12	3/4	1,625.61	3/4	1,266.09	3/4	906.92	3/4	547.53	3/4	188.02	3/4		3/4		3/4	
10	2,337.15	10	1,977.63	10	1,618.12	10	1,258.60	10	899.44	10	540.04	10	180.53	10		10		10	
1/4	2,329.66	1/4	1,970.14	1/4	1,610.63	1/4	1,251.11	1/4	891.97	1/4	532.55	1/4	173.04	1/4		1/4		1/4	
1/2	2,322.17	1/2	1,962.65	1/2	1,603.14	1/2	1,243.62	1/2	884.49	1/2	525.06	1/2	165.55	1/2		1/2		1/2	
3/4	2,314.68	3/4	1,955.16	3/4	1,595.65	3/4	1,236.13	3/4	877.01	3/4	517.57	3/4	158.06	3/4		3/4		3/4	
11	2,307.19	11	1,947.67	11	1,588.16	11	1,228.64	11	869.54	11	510.08	11	150.57	11		11		11	
1/4	2,299.70	1/4	1,940.19	1/4	1,580.67	1/4	1,221.15	1/4	862.06	1/4	502.59	1/4	143.08	1/4		1/4		1/4	
1/2	2,292.21	1/2	1,932.70	1/2	1,573.18	1/2	1,213.66	1/2	854.58	1/2	495.10	1/2	135.59	1/2		1/2		1/2	
3/4	2,284.72	3/4	1,925.21	3/4	1,565.69	3/4	1,206.17	3/4	847.10	3/4	487.61	3/4	128.10	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/14/2014 SW  
CALCULATED: 05/14/2014 CL  
VERIFIED: 05/28/2024 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2024

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "KIRBY 29171"

## 3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: "SMI 30062"

GAUGE HEIGHT 17'-03 3/4"

N	0 FT.	N	1 FT.	N	2 FT.	N	3 FT.	N	4 FT.	N	5 FT.	N	6 FT.	N	7 FT.	N	8 FT.	N	9 FT.
0		0		0		0		0	4,299.73	0	4,081.27	0	3,861.95	0	3,642.57	0	3,320.57	0	2,963.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,295.21	1/4	4,076.72	1/4	3,857.38	1/4	3,638.00	1/4	3,313.15	1/4	2,956.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,290.68	1/2	4,072.16	1/2	3,852.81	1/2	3,633.43	1/2	3,305.74	1/2	2,948.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,286.15	3/4	4,067.60	3/4	3,848.24	3/4	3,628.86	3/4	3,298.33	3/4	2,941.55
1		1		1		1	4,479.83	1	4,281.62	1	4,063.04	1	3,843.67	1	3,624.29	1	3,290.91	1	2,934.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,477.98	1/4	4,277.09	1/4	4,058.47	1/4	3,839.10	1/4	3,619.72	1/4	3,283.50	1/4	2,926.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,476.13	1/2	4,272.56	1/2	4,053.90	1/2	3,834.53	1/2	3,615.15	1/2	3,276.08	1/2	2,919.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,474.28	3/4	4,268.03	3/4	4,049.33	3/4	3,829.96	3/4	3,610.58	3/4	3,268.67	3/4	2,911.80
2		2		2		2	4,471.61	2	4,263.48	2	4,044.76	2	3,825.39	2	3,606.01	2	3,261.24	2	2,904.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,468.94	1/4	4,258.93	1/4	4,040.19	1/4	3,820.82	1/4	3,601.44	1/4	3,253.81	1/4	2,896.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,466.28	1/2	4,254.39	1/2	4,035.62	1/2	3,816.25	1/2	3,596.87	1/2	3,246.38	1/2	2,889.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,463.61	3/4	4,249.84	3/4	4,031.05	3/4	3,811.68	3/4	3,592.30	3/4	3,238.95	3/4	2,882.05
3		3		3		3	4,459.88	3	4,245.28	3	4,026.48	3	3,807.11	3	3,585.57	3	3,231.52	3	2,874.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,456.15	1/4	4,240.72	1/4	4,021.91	1/4	3,802.54	1/4	3,578.83	1/4	3,224.08	1/4	2,867.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,452.42	1/2	4,236.17	1/2	4,017.34	1/2	3,797.97	1/2	3,572.10	1/2	3,216.65	1/2	2,859.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,448.69	3/4	4,231.61	3/4	4,012.77	3/4	3,793.39	3/4	3,565.36	3/4	3,209.21	3/4	2,852.30
4		4		4		4	4,444.29	4	4,227.06	4	4,008.20	4	3,788.82	4	3,557.93	4	3,201.78	4	2,844.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,439.89	1/4	4,222.50	1/4	4,003.63	1/4	3,784.25	1/4	3,550.50	1/4	3,194.35	1/4	2,837.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,435.49	1/2	4,217.94	1/2	3,999.06	1/2	3,779.68	1/2	3,543.07	1/2	3,186.91	1/2	2,829.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,431.10	3/4	4,213.39	3/4	3,994.49	3/4	3,775.11	3/4	3,535.63	3/4	3,179.48	3/4	2,822.56
5		5		5		5	4,426.56	5	4,208.83	5	3,989.92	5	3,770.54	5	3,528.21	5	3,172.04	5	2,815.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,422.03	1/4	4,204.28	1/4	3,985.35	1/4	3,765.97	1/4	3,520.78	1/4	3,164.61	1/4	2,807.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,417.50	1/2	4,199.72	1/2	3,980.78	1/2	3,761.40	1/2	3,513.36	1/2	3,157.17	1/2	2,800.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,412.97	3/4	4,195.17	3/4	3,976.21	3/4	3,756.83	3/4	3,505.93	3/4	3,149.74	3/4	2,792.81
6		6		6		6	4,408.44	6	4,190.61	6	3,971.64	6	3,752.26	6	3,498.51	6	3,142.30	6	2,785.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,403.91	1/4	4,186.05	1/4	3,967.07	1/4	3,747.69	1/4	3,491.10	1/4	3,134.87	1/4	2,777.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,399.38	1/2	4,181.50	1/2	3,962.50	1/2	3,743.12	1/2	3,483.68	1/2	3,127.43	1/2	2,770.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,394.85	3/4	4,176.94	3/4	3,957.93	3/4	3,738.55	3/4	3,476.26	3/4	3,120.00	3/4	2,763.06
7		7		7		7	4,390.31	7	4,172.39	7	3,953.36	7	3,733.98	7	3,468.85	7	3,112.56	7	2,755.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,385.78	1/4	4,167.83	1/4	3,948.78	1/4	3,729.41	1/4	3,461.43	1/4	3,105.13	1/4	2,748.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,381.25	1/2	4,163.28	1/2	3,944.21	1/2	3,724.84	1/2	3,454.02	1/2	3,097.69	1/2	2,740.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,376.72	3/4	4,158.72	3/4	3,939.64	3/4	3,720.27	3/4	3,446.61	3/4	3,090.26	3/4	2,733.31
8		8		8		8	4,372.19	8	4,154.16	8	3,935.07	8	3,715.70	8	3,439.19	8	3,082.82	8	2,725.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,367.66	1/4	4,149.61	1/4	3,930.50	1/4	3,711.13	1/4	3,431.78	1/4	3,075.39	1/4	2,718.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,363.13	1/2	4,145.05	1/2	3,925.93	1/2	3,706.56	1/2	3,424.36	1/2	3,067.95	1/2	2,710.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,358.60	3/4	4,140.50	3/4	3,921.36	3/4	3,701.99	3/4	3,416.95	3/4	3,060.52	3/4	2,703.56
9		9		9		9	4,354.08	9	4,135.94	9	3,916.79	9	3,697.42	9	3,409.54	9	3,053.08	9	2,696.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,349.55	1/4	4,131.38	1/4	3,912.22	1/4	3,692.85	1/4	3,402.12	1/4	3,045.65	1/4	2,688.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,345.02	1/2	4,126.83	1/2	3,907.65	1/2	3,688.28	1/2	3,394.71	1/2	3,038.21	1/2	2,681.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,340.49	3/4	4,122.27	3/4	3,903.08	3/4	3,683.71	3/4	3,387.29	3/4	3,030.78	3/4	2,673.81
10		10		10		10	4,335.96	10	4,117.72	10	3,898.51	10	3,679.14	10	3,379.88	10	3,023.34	10	2,666.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,331.43	1/4	4,113.16	1/4	3,893.94	1/4	3,674.57	1/4	3,372.47	1/4	3,015.91	1/4	2,658.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,326.90	1/2	4,108.61	1/2	3,889.37	1/2	3,670.00	1/2	3,365.05	1/2	3,008.48	1/2	2,651.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,322.38	3/4	4,104.05	3/4	3,884.80	3/4	3,665.43	3/4	3,357.64	3/4	3,001.04	3/4	2,644.06
11		11		11		11	4,317.85	11	4,099.49	11	3,880.23	11	3,660.86	11	3,350.22	11	2,993.61	11	2,636.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,313.32	1/4	4,094.94	1/4	3,875.66	1/4	3,656.29	1/4	3,342.81	1/4	2,986.17	1/4	2,629.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,308.79	1/2	4,090.38	1/2	3,871.09	1/2	3,651.72	1/2	3,335.40	1/2	2,978.74	1/2	2,621.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,304.26	3/4	4,085.83	3/4	3,866.52	3/4	3,647.15	3/4	3,327.98	3/4	2,971.30	3/4	2,614.31

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

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

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



# BARGE "KIRBY 29171"

## 3 PORT ULLAGE TABLE HERMETIC

CONTAINS 1000 BARRELS OF 42 U.S. GALLONS

FORMERLY: "SMI 30062"

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	2,606.87	0	2,250.77	0	1,896.38	0	1,539.08	0	1,181.89	0	835.02	0	477.65	0	120.13	0		0	
1/4	2,599.42	1/4	2,243.39	1/4	1,888.95	1/4	1,531.63	1/4	1,174.60	1/4	827.63	1/4	470.20	1/4	112.67	1/4		1/4	
1/2	2,591.98	1/2	2,236.00	1/2	1,881.52	1/2	1,524.19	1/2	1,167.31	1/2	820.24	1/2	462.75	1/2	105.22	1/2		1/2	
3/4	2,584.54	3/4	2,228.61	3/4	1,874.09	3/4	1,516.74	3/4	1,160.02	3/4	812.85	3/4	455.30	3/4	97.76	3/4		3/4	
1	2,577.09	1	2,221.23	1	1,866.65	1	1,509.30	1	1,152.79	1	805.40	1	447.86	1	90.30	1		1	
1/4	2,569.65	1/4	2,213.85	1/4	1,859.20	1/4	1,501.85	1/4	1,145.56	1/4	797.95	1/4	440.41	1/4	82.84	1/4		1/4	
1/2	2,562.20	1/2	2,206.47	1/2	1,851.76	1/2	1,494.41	1/2	1,138.32	1/2	790.50	1/2	432.96	1/2	75.38	1/2		1/2	
3/4	2,554.76	3/4	2,199.08	3/4	1,844.32	3/4	1,486.96	3/4	1,131.09	3/4	783.06	3/4	425.51	3/4	67.92	3/4		3/4	
2	2,547.31	2	2,191.70	2	1,836.87	2	1,479.52	2	1,123.86	2	775.61	2	418.07	2	61.16	2		2	
1/4	2,539.87	1/4	2,184.32	1/4	1,829.43	1/4	1,472.08	1/4	1,116.64	1/4	768.16	1/4	410.62	1/4	54.40	1/4		1/4	
1/2	2,532.42	1/2	2,176.94	1/2	1,821.98	1/2	1,464.63	1/2	1,109.41	1/2	760.71	1/2	403.17	1/2	47.64	1/2		1/2	
3/4	2,524.98	3/4	2,169.56	3/4	1,814.54	3/4	1,457.19	3/4	1,102.19	3/4	753.26	3/4	395.72	3/4	40.88	3/4		3/4	
3	2,517.53	3	2,162.17	3	1,807.09	3	1,449.74	3	1,094.96	3	745.81	3	388.28	3	35.75	3		3	
1/4	2,510.09	1/4	2,154.79	1/4	1,799.65	1/4	1,442.30	1/4	1,087.74	1/4	738.36	1/4	380.83	1/4	30.62	1/4		1/4	
1/2	2,502.65	1/2	2,147.41	1/2	1,792.20	1/2	1,434.85	1/2	1,080.52	1/2	730.91	1/2	373.38	1/2	25.49	1/2		1/2	
3/4	2,495.20	3/4	2,140.03	3/4	1,784.76	3/4	1,427.41	3/4	1,073.30	3/4	723.46	3/4	365.93	3/4	20.36	3/4		3/4	
4	2,487.78	4	2,132.65	4	1,777.31	4	1,419.96	4	1,066.08	4	716.01	4	358.48	4		4		4	
1/4	2,480.37	1/4	2,125.27	1/4	1,769.87	1/4	1,412.52	1/4	1,058.86	1/4	708.57	1/4	351.04	1/4		1/4		1/4	
1/2	2,472.95	1/2	2,117.88	1/2	1,762.42	1/2	1,405.07	1/2	1,051.65	1/2	701.12	1/2	343.59	1/2		1/2		1/2	
3/4	2,465.54	3/4	2,110.50	3/4	1,754.98	3/4	1,397.63	3/4	1,044.43	3/4	693.67	3/4	336.14	3/4		3/4		3/4	
5	2,458.13	5	2,103.12	5	1,747.53	5	1,390.18	5	1,037.21	5	686.22	5	328.69	5		5		5	
1/4	2,450.73	1/4	2,095.74	1/4	1,740.09	1/4	1,382.74	1/4	1,030.00	1/4	678.77	1/4	321.25	1/4		1/4		1/4	
1/2	2,443.32	1/2	2,088.36	1/2	1,732.64	1/2	1,375.29	1/2	1,022.78	1/2	671.32	1/2	313.80	1/2		1/2		1/2	
3/4	2,435.91	3/4	2,080.97	3/4	1,725.20	3/4	1,367.85	3/4	1,015.57	3/4	663.87	3/4	306.35	3/4		3/4		3/4	
6	2,428.51	6	2,073.59	6	1,717.75	6	1,360.40	6	1,008.35	6	656.42	6	298.90	6		6		6	
1/4	2,421.10	1/4	2,066.21	1/4	1,710.31	1/4	1,352.96	1/4	1,001.14	1/4	648.97	1/4	291.46	1/4		1/4		1/4	
1/2	2,413.69	1/2	2,058.83	1/2	1,702.86	1/2	1,345.51	1/2	993.92	1/2	641.52	1/2	284.01	1/2		1/2		1/2	
3/4	2,406.29	3/4	2,051.45	3/4	1,695.42	3/4	1,338.07	3/4	986.71	3/4	634.08	3/4	276.56	3/4		3/4		3/4	
7	2,398.88	7	2,044.06	7	1,687.97	7	1,330.62	7	979.49	7	626.63	7	269.11	7		7		7	
1/4	2,391.48	1/4	2,036.68	1/4	1,680.53	1/4	1,323.18	1/4	972.28	1/4	619.18	1/4	261.67	1/4		1/4		1/4	
1/2	2,384.07	1/2	2,029.30	1/2	1,673.08	1/2	1,315.73	1/2	965.06	1/2	611.73	1/2	254.22	1/2		1/2		1/2	
3/4	2,376.66	3/4	2,021.92	3/4	1,665.64	3/4	1,308.29	3/4	957.85	3/4	604.28	3/4	246.77	3/4		3/4		3/4	
8	2,369.26	8	2,014.54	8	1,658.20	8	1,300.84	8	950.63	8	596.83	8	239.32	8		8		8	
1/4	2,361.85	1/4	2,007.15	1/4	1,650.75	1/4	1,293.40	1/4	943.42	1/4	589.38	1/4	231.87	1/4		1/4		1/4	
1/2	2,354.44	1/2	1,999.77	1/2	1,643.31	1/2	1,285.96	1/2	936.20	1/2	581.93	1/2	224.43	1/2		1/2		1/2	
3/4	2,347.04	3/4	1,992.39	3/4	1,635.86	3/4	1,278.51	3/4	928.99	3/4	574.48	3/4	216.98	3/4		3/4		3/4	
9	2,339.63	9	1,985.01	9	1,628.42	9	1,271.07	9	921.77	9	567.03	9	209.53	9		9		9	
1/4	2,332.22	1/4	1,977.63	1/4	1,620.97	1/4	1,263.62	1/4	914.56	1/4	559.59	1/4	202.08	1/4		1/4		1/4	
1/2	2,324.82	1/2	1,970.25	1/2	1,613.53	1/2	1,256.18	1/2	907.34	1/2	552.14	1/2	194.63	1/2		1/2		1/2	
3/4	2,317.41	3/4	1,962.86	3/4	1,606.08	3/4	1,248.73	3/4	900.13	3/4	544.6876	3/4	187.18	3/4		3/4		3/4	
10	2,310.01	10	1,955.48	10	1,598.64	10	1,241.29	10	892.92	10	537.24	10	179.73	10		10		10	
1/4	2,302.60	1/4	1,948.10	1/4	1,591.19	1/4	1,233.84	1/4	885.70	1/4	529.79	1/4	172.28	1/4		1/4		1/4	
1/2	2,295.19	1/2	1,940.72	1/2	1,583.75	1/2	1,226.40	1/2	878.49	1/2	522.34	1/2	164.83	1/2		1/2		1/2	
3/4	2,287.79	3/4	1,933.34	3/4	1,576.30	3/4	1,218.95	3/4	871.27	3/4	514.89	3/4	157.38	3/4		3/4		3/4	
11	2,280.38	11	1,925.95	11	1,568.86	11	1,211.51	11	864.06	11	507.44	11	149.93	11		11		11	
1/4	2,272.97	1/4	1,918.57	1/4	1,561.41	1/4	1,204.06	1/4	856.84	1/4	499.99	1/4	142.48	1/4		1/4		1/4	
1/2	2,265.57	1/2	1,911.19	1/2	1,553.97	1/2	1,196.62	1/2	849.63	1/2	492.54	1/2	135.03	1/2		1/2		1/2	
3/4	2,258.16	3/4	1,903.81	3/4	1,546.52	3/4	1,189.17	3/4	842.41	3/4	485.10	3/4	127.58	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/14/2014 SW  
CALCULATED: 05/14/2014 CL  
VERIFIED: 05/28/2024 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2024

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "KIRBY 29171"

## 3 STBD

### ULLAGE TABLE

### HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: "SMI 30062"

GAUGE HEIGHT 17'-03 1/2"

N	0 FT.	N	1 FT.	N	2 FT.	N	3 FT.	N	4 FT.	N	5 FT.	N	6 FT.	N	7 FT.	N	8 FT.	N	9 FT.
0		0		0		0		0	4,315.63	0	4,097.23	0	3,877.98	0	3,658.69	0	3,333.48	0	2,976.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,311.10	1/4	4,092.67	1/4	3,873.41	1/4	3,654.12	1/4	3,326.05	1/4	2,968.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,306.57	1/2	4,088.12	1/2	3,868.84	1/2	3,649.55	1/2	3,318.62	1/2	2,961.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,500.18	3/4	4,302.05	3/4	4,083.55	3/4	3,864.27	3/4	3,644.98	3/4	3,311.19
1		1		1		1		1	4,498.33	1	4,297.52	1	4,078.99	1	3,859.70	1	3,640.41	1	3,303.77
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,496.48	1/4	4,292.99	1/4	4,074.42	1/4	3,855.13	1/4	3,635.85	1/4	3,296.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,494.63	1/2	4,288.47	1/2	4,069.85	1/2	3,850.57	1/2	3,631.28	1/2	3,288.91
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,491.97	3/4	4,283.92	3/4	4,065.28	3/4	3,846.00	3/4	3,626.71	3/4	3,281.47
2		2		2		2		2	4,489.31	2	4,279.37	2	4,060.72	2	3,841.43	2	3,622.14	2	3,274.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,486.64	1/4	4,274.83	1/4	4,056.15	1/4	3,836.86	1/4	3,617.57	1/4	3,266.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,483.98	1/2	4,270.28	1/2	4,051.58	1/2	3,832.29	1/2	3,613.00	1/2	3,259.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,480.25	3/4	4,265.72	3/4	4,047.01	3/4	3,827.72	3/4	3,606.27	3/4	3,251.68
3		3		3		3		3	4,476.51	3	4,261.17	3	4,042.44	3	3,823.15	3	3,599.54	3	3,244.23
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,472.78	1/4	4,256.62	1/4	4,037.87	1/4	3,818.59	1/4	3,592.81	1/4	3,236.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,469.05	1/2	4,252.06	1/2	4,033.30	1/2	3,814.02	1/2	3,586.07	1/2	3,229.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,464.65	3/4	4,247.51	3/4	4,028.74	3/4	3,809.45	3/4	3,578.64	3/4	3,221.89
4		4		4		4		4	4,460.26	4	4,242.95	4	4,024.17	4	3,804.88	4	3,571.20	4	3,214.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,455.86	1/4	4,238.40	1/4	4,019.60	1/4	3,800.31	1/4	3,563.77	1/4	3,206.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,451.46	1/2	4,233.85	1/2	4,015.03	1/2	3,795.74	1/2	3,556.34	1/2	3,199.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,446.93	3/4	4,229.29	3/4	4,010.46	3/4	3,791.17	3/4	3,548.91	3/4	3,192.09
5		5		5		5		5	4,442.40	5	4,224.74	5	4,005.89	5	3,786.61	5	3,541.48	5	3,184.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,437.88	1/4	4,220.18	1/4	4,001.33	1/4	3,782.04	1/4	3,534.05	1/4	3,177.19
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,433.35	1/2	4,215.63	1/2	3,996.76	1/2	3,777.47	1/2	3,526.62	1/2	3,169.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,428.82	3/4	4,211.08	3/4	3,992.19	3/4	3,772.90	3/4	3,519.19	3/4	3,162.29
6		6		6		6		6	4,424.29	6	4,206.52	6	3,987.62	6	3,768.33	6	3,511.76	6	3,154.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,419.76	1/4	4,201.97	1/4	3,983.05	1/4	3,763.76	1/4	3,504.34	1/4	3,147.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,415.23	1/2	4,197.41	1/2	3,978.48	1/2	3,759.20	1/2	3,496.91	1/2	3,139.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,410.70	3/4	4,192.86	3/4	3,973.91	3/4	3,754.63	3/4	3,489.48	3/4	3,132.50
7		7		7		7		7	4,406.17	7	4,188.31	7	3,969.35	7	3,750.06	7	3,482.05	7	3,125.05
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,401.64	1/4	4,183.75	1/4	3,964.78	1/4	3,745.49	1/4	3,474.62	1/4	3,117.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,397.11	1/2	4,179.20	1/2	3,960.21	1/2	3,740.92	1/2	3,467.19	1/2	3,110.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,392.58	3/4	4,174.64	3/4	3,955.64	3/4	3,736.35	3/4	3,459.76	3/4	3,102.70
8		8		8		8		8	4,388.06	8	4,170.09	8	3,951.07	8	3,731.78	8	3,452.34	8	3,095.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,383.53	1/4	4,165.54	1/4	3,946.50	1/4	3,727.22	1/4	3,444.91	1/4	3,087.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,379.00	1/2	4,160.98	1/2	3,941.93	1/2	3,722.65	1/2	3,437.48	1/2	3,080.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,374.47	3/4	4,156.43	3/4	3,937.37	3/4	3,718.08	3/4	3,430.05	3/4	3,072.90
9		9		9		9		9	4,369.95	9	4,151.87	9	3,932.80	9	3,713.51	9	3,422.62	9	3,065.45
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,365.42	1/4	4,147.32	1/4	3,928.23	1/4	3,708.94	1/4	3,415.19	1/4	3,058.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,360.89	1/2	4,142.77	1/2	3,923.66	1/2	3,704.37	1/2	3,407.77	1/2	3,050.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,356.37	3/4	4,138.21	3/4	3,919.09	3/4	3,699.80	3/4	3,400.34	3/4	3,043.11
10		10		10		10		10	4,351.84	10	4,133.66	10	3,914.52	10	3,695.24	10	3,392.91	10	3,035.66
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,347.31	1/4	4,129.10	1/4	3,909.96	1/4	3,690.67	1/4	3,385.48	1/4	3,028.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,342.79	1/2	4,124.55	1/2	3,905.39	1/2	3,686.10	1/2	3,378.05	1/2	3,020.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,338.26	3/4	4,120.00	3/4	3,900.82	3/4	3,681.53	3/4	3,370.62	3/4	3,013.31
11		11		11		11		11	4,333.73	11	4,115.44	11	3,896.25	11	3,676.96	11	3,363.19	11	3,005.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,329.21	1/4	4,110.89	1/4	3,891.68	1/4	3,672.39	1/4	3,355.77	1/4	2,998.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,324.68	1/2	4,106.33	1/2	3,887.11	1/2	3,667.83	1/2	3,348.34	1/2	2,990.96
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,320.15	3/4	4,101.78	3/4	3,882.54	3/4	3,663.26	3/4	3,340.91	3/4	2,983.51

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" GAUGING 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 29171"

## 3 STBD ULLAGE TABLE HERMETIC

CONTAINS 1000 GALLONS OF 42 U.S. GALLONS

FORMERLY: "SMI 30062"

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	2,618.35	0	2,260.32	0	1,902.28	0	1,544.24	0	1,186.21	0	828.71	0	470.69	0	112.66	0		0	
1/4	2,610.89	1/4	2,252.86	1/4	1,894.82	1/4	1,536.78	1/4	1,178.75	1/4	821.25	1/4	463.23	1/4	105.20	1/4		1/4	
1/2	2,603.43	1/2	2,245.40	1/2	1,887.36	1/2	1,529.32	1/2	1,171.29	1/2	813.80	1/2	455.77	1/2	97.74	1/2		1/2	
3/4	2,595.98	3/4	2,237.94	3/4	1,879.90	3/4	1,521.86	3/4	1,163.83	3/4	806.34	3/4	448.31	3/4	90.28	3/4		3/4	
1	2,588.52	1	2,230.48	1	1,872.44	1	1,514.41	1	1,156.37	1	798.88	1	440.85	1	82.83	1		1	
1/4	2,581.06	1/4	2,223.02	1/4	1,864.98	1/4	1,506.95	1/4	1,148.91	1/4	791.42	1/4	433.39	1/4	75.37	1/4		1/4	
1/2	2,573.60	1/2	2,215.56	1/2	1,857.52	1/2	1,499.49	1/2	1,141.45	1/2	783.96	1/2	425.94	1/2	67.91	1/2		1/2	
3/4	2,566.14	3/4	2,208.10	3/4	1,850.07	3/4	1,492.03	3/4	1,134.00	3/4	776.50	3/4	418.48	3/4	61.15	3/4		3/4	
2	2,558.68	2	2,200.64	2	1,842.61	2	1,484.57	2	1,126.54	2	769.04	2	411.02	2	54.39	2		2	
1/4	2,551.22	1/4	2,193.18	1/4	1,835.15	1/4	1,477.11	1/4	1,119.09	1/4	761.59	1/4	403.56	1/4	47.63	1/4		1/4	
1/2	2,543.76	1/2	2,185.72	1/2	1,827.69	1/2	1,469.65	1/2	1,111.64	1/2	754.13	1/2	396.10	1/2	40.87	1/2		1/2	
3/4	2,536.30	3/4	2,178.27	3/4	1,820.23	3/4	1,462.19	3/4	1,104.19	3/4	746.67	3/4	388.64	3/4	35.74	3/4		3/4	
3	2,528.84	3	2,170.81	3	1,812.77	3	1,454.73	3	1,096.74	3	739.21	3	381.18	3	30.61	3		3	
1/4	2,521.38	1/4	2,163.35	1/4	1,805.31	1/4	1,447.27	1/4	1,089.28	1/4	731.75	1/4	373.72	1/4	25.49	1/4		1/4	
1/2	2,513.93	1/2	2,155.89	1/2	1,797.85	1/2	1,439.81	1/2	1,081.83	1/2	724.29	1/2	366.26	1/2	20.36	1/2		1/2	
3/4	2,506.47	3/4	2,148.43	3/4	1,790.39	3/4	1,432.36	3/4	1,074.39	3/4	716.83	3/4	358.81	3/4		3/4		3/4	
4	2,499.01	4	2,140.97	4	1,782.93	4	1,424.90	4	1,066.94	4	709.37	4	351.35	4		4		4	
1/4	2,491.55	1/4	2,133.51	1/4	1,775.47	1/4	1,417.44	1/4	1,059.49	1/4	701.91	1/4	343.89	1/4		1/4		1/4	
1/2	2,484.09	1/2	2,126.05	1/2	1,768.02	1/2	1,409.98	1/2	1,052.05	1/2	694.46	1/2	336.43	1/2		1/2		1/2	
3/4	2,476.63	3/4	2,118.59	3/4	1,760.56	3/4	1,402.52	3/4	1,044.60	3/4	687.00	3/4	328.97	3/4		3/4		3/4	
5	2,469.17	5	2,111.13	5	1,753.10	5	1,395.06	5	1,037.16	5	679.54	5	321.51	5		5		5	
1/4	2,461.71	1/4	2,103.67	1/4	1,745.64	1/4	1,387.60	1/4	1,029.72	1/4	672.08	1/4	314.05	1/4		1/4		1/4	
1/2	2,454.25	1/2	2,096.22	1/2	1,738.18	1/2	1,380.14	1/2	1,022.27	1/2	664.62	1/2	306.59	1/2		1/2		1/2	
3/4	2,446.79	3/4	2,088.76	3/4	1,730.72	3/4	1,372.68	3/4	1,014.83	3/4	657.16	3/4	299.13	3/4		3/4		3/4	
6	2,439.33	6	2,081.30	6	1,723.26	6	1,365.22	6	1,007.39	6	649.70	6	291.68	6		6		6	
1/4	2,431.87	1/4	2,073.84	1/4	1,715.80	1/4	1,357.76	1/4	999.94	1/4	642.24	1/4	284.22	1/4		1/4		1/4	
1/2	2,424.42	1/2	2,066.38	1/2	1,708.34	1/2	1,350.31	1/2	992.50	1/2	634.78	1/2	276.76	1/2		1/2		1/2	
3/4	2,416.96	3/4	2,058.92	3/4	1,700.88	3/4	1,342.85	3/4	985.05	3/4	627.33	3/4	269.30	3/4		3/4		3/4	
7	2,409.50	7	2,051.46	7	1,693.42	7	1,335.39	7	977.61	7	619.87	7	261.84	7		7		7	
1/4	2,402.04	1/4	2,044.00	1/4	1,685.96	1/4	1,327.93	1/4	970.17	1/4	612.41	1/4	254.38	1/4		1/4		1/4	
1/2	2,394.58	1/2	2,036.54	1/2	1,678.51	1/2	1,320.47	1/2	962.72	1/2	604.95	1/2	246.92	1/2		1/2		1/2	
3/4	2,387.12	3/4	2,029.08	3/4	1,671.05	3/4	1,313.01	3/4	955.28	3/4	597.49	3/4	239.46	3/4		3/4		3/4	
8	2,379.66	8	2,021.62	8	1,663.59	8	1,305.55	8	947.83	8	590.03	8	232.00	8		8		8	
1/4	2,372.20	1/4	2,014.17	1/4	1,656.13	1/4	1,298.09	1/4	940.39	1/4	582.57	1/4	224.55	1/4		1/4		1/4	
1/2	2,364.74	1/2	2,006.71	1/2	1,648.67	1/2	1,290.63	1/2	932.95	1/2	575.11	1/2	217.09	1/2		1/2		1/2	
3/4	2,357.28	3/4	1,999.25	3/4	1,641.21	3/4	1,283.17	3/4	925.50	3/4	567.65	3/4	209.63	3/4		3/4		3/4	
9	2,349.82	9	1,991.79	9	1,633.75	9	1,275.71	9	918.06	9	560.20	9	202.17	9		9		9	
1/4	2,342.37	1/4	1,984.33	1/4	1,626.29	1/4	1,268.26	1/4	910.62	1/4	552.74	1/4	194.71	1/4		1/4		1/4	
1/2	2,334.91	1/2	1,976.87	1/2	1,618.83	1/2	1,260.80	1/2	903.17	1/2	545.28	1/2	187.25	1/2		1/2		1/2	
3/4	2,327.45	3/4	1,969.41	3/4	1,611.37	3/4	1,253.34	3/4	895.73	3/4	537.8189	3/4	179.79	3/4		3/4		3/4	
10	2,319.99	10	1,961.95	10	1,603.91	10	1,245.88	10	888.28	10	530.36	10	172.33	10		10		10	
1/4	2,312.53	1/4	1,954.49	1/4	1,596.46	1/4	1,238.42	1/4	880.84	1/4	522.90	1/4	164.87	1/4		1/4		1/4	
1/2	2,305.07	1/2	1,947.03	1/2	1,589.00	1/2	1,230.96	1/2	873.40	1/2	515.44	1/2	157.42	1/2		1/2		1/2	
3/4	2,297.61	3/4	1,939.57	3/4	1,581.54	3/4	1,223.50	3/4	865.95	3/4	507.98	3/4	149.96	3/4		3/4		3/4	
11	2,290.15	11	1,932.12	11	1,574.08	11	1,216.04	11	858.51	11	500.52	11	142.50	11		11		11	
1/4	2,282.69	1/4	1,924.66	1/4	1,566.62	1/4	1,208.58	1/4	851.07	1/4	493.07	1/4	135.04	1/4		1/4		1/4	
1/2	2,275.23	1/2	1,917.20	1/2	1,559.16	1/2	1,201.12	1/2	843.62	1/2	485.61	1/2	127.58	1/2		1/2		1/2	
3/4	2,267.77	3/4	1,909.74	3/4	1,551.70	3/4	1,193.66	3/4	836.17	3/4	478.15	3/4	120.12	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/14/2014 SW  
CALCULATED: 05/14/2014 CL  
VERIFIED: 05/28/2024 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2024

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "KIRBY 29171"

## SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY: SMI 30062

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	431	0	1,013	0	1,624	0	2,176	0		0		0		0		0	
1/4	5	1/4	442	1/4	1,026	1/4	1,637	1/4	2,186	1/4		1/4		1/4		1/4		1/4	
1/2	11	1/2	453	1/2	1,039	1/2	1,649	1/2	2,196	1/2		1/2		1/2		1/2		1/2	
3/4	16	3/4	464	3/4	1,051	3/4	1,661	3/4	2,206	3/4		3/4		3/4		3/4		3/4	
1	21	1	476	1	1,064	1	1,674	1	2,216	1		1		1		1		1	
1/4	28	1/4	487	1/4	1,077	1/4	1,686	1/4	2,225	1/4		1/4		1/4		1/4		1/4	
1/2	35	1/2	499	1/2	1,090	1/2	1,698	1/2	2,235	1/2		1/2		1/2		1/2		1/2	
3/4	41	3/4	510	3/4	1,103	3/4	1,711	3/4	2,244	3/4		3/4		3/4		3/4		3/4	
2	48	2	522	2	1,115	2	1,723	2	2,254	2		2		2		2		2	
1/4	55	1/4	533	1/4	1,128	1/4	1,735	1/4	2,263	1/4		1/4		1/4		1/4		1/4	
1/2	63	1/2	545	1/2	1,141	1/2	1,747	1/2	2,272	1/2		1/2		1/2		1/2		1/2	
3/4	70	3/4	557	3/4	1,154	3/4	1,759	3/4	2,281	3/4		3/4		3/4		3/4		3/4	
3	78	3	569	3	1,167	3	1,772	3	2,291	3		3		3		3		3	
1/4	86	1/4	580	1/4	1,179	1/4	1,784	1/4	2,299	1/4		1/4		1/4		1/4		1/4	
1/2	94	1/2	592	1/2	1,192	1/2	1,796	1/2	2,308	1/2		1/2		1/2		1/2		1/2	
3/4	102	3/4	604	3/4	1,205	3/4	1,808	3/4	2,317	3/4		3/4		3/4		3/4		3/4	
4	110	4	616	4	1,218	4	1,820	4	2,325	4		4		4		4		4	
1/4	119	1/4	628	1/4	1,231	1/4	1,832	1/4	2,333	1/4		1/4		1/4		1/4		1/4	
1/2	128	1/2	640	1/2	1,244	1/2	1,843	1/2	2,342	1/2		1/2		1/2		1/2		1/2	
3/4	136	3/4	652	3/4	1,256	3/4	1,855	3/4	2,350	3/4		3/4		3/4		3/4		3/4	
5	145	5	664	5	1,269	5	1,867	5	2,358	5		5		5		5		5	
1/4	154	1/4	676	1/4	1,282	1/4	1,879	1/4	2,365	1/4		1/4		1/4		1/4		1/4	
1/2	163	1/2	688	1/2	1,295	1/2	1,891	1/2	2,373	1/2		1/2		1/2		1/2		1/2	
3/4	173	3/4	701	3/4	1,308	3/4	1,902	3/4	2,380	3/4		3/4		3/4		3/4		3/4	
6	182	6	713	6	1,320	6	1,914	6	2,388	6		6		6		6		6	
1/4	191	1/4	725	1/4	1,333	1/4	1,925	1/4	2,394	1/4		1/4		1/4		1/4		1/4	
1/2	201	1/2	737	1/2	1,346	1/2	1,937	1/2	2,401	1/2		1/2		1/2		1/2		1/2	
3/4	210	3/4	750	3/4	1,359	3/4	1,948	3/4	2,408	3/4		3/4		3/4		3/4		3/4	
7	220	7	762	7	1,372	7	1,960	7	2,414	7		7		7		7		7	
1/4	230	1/4	774	1/4	1,384	1/4	1,971	1/4	2,420	1/4		1/4		1/4		1/4		1/4	
1/2	240	1/2	787	1/2	1,397	1/2	1,983	1/2	2,425	1/2		1/2		1/2		1/2		1/2	
3/4	250	3/4	799	3/4	1,410	3/4	1,994	3/4	2,430	3/4		3/4		3/4		3/4		3/4	
8	260	8	811	8	1,423	8	2,005	8	2,436	8		8		8		8		8	
1/4	270	1/4	824	1/4	1,435	1/4	2,016	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	280	1/2	836	1/2	1,448	1/2	2,027	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	290	3/4	849	3/4	1,461	3/4	2,038	3/4		3/4		3/4		3/4		3/4		3/4	
9	301	9	861	9	1,473	9	2,050	9		9		9		9		9		9	
1/4	311	1/4	874	1/4	1,486	1/4	2,060	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	322	1/2	887	1/2	1,499	1/2	2,071	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	332	3/4	899	3/4	1,511	3/4	2,082	3/4		3/4		3/4		3/4		3/4		3/4	
10	343	10	912	10	1,524	10	2,093	10		10		10		10		10		10	
1/4	354	1/4	924	1/4	1,537	1/4	2,103	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	365	1/2	937	1/2	1,549	1/2	2,114	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	375	3/4	950	3/4	1,562	3/4	2,125	3/4		3/4		3/4		3/4		3/4		3/4	
11	386	11	962	11	1,574	11	2,135	11		11		11		11		11		11	
1/4	397	1/4	975	1/4	1,587	1/4	2,145	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	408	1/2	988	1/2	1,599	1/2	2,156	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	419	3/4	1,000	3/4	1,612	3/4	2,166	3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.  
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.

STRAPPED: 05/28/2024 CL  
CALCULATED: 05/28/2024 CL  
VERIFIED: 05/28/2024 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2024

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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