



BARGE "KIRBY 28714"

INNAGE (2" STANDPIPE)

FORMERLY "SMS 30042"

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
1 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
2 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-1/2	- 00-1/2
2 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-1/2	- 00-1/2
3 PORT	- 00-3/4	00-3/4	- 01-1/2	01-1/2	- 02-1/4	02-1/4	- 03-1/8	03-1/8	- 03-7/8	03-7/8	- 04-5/8	04-5/8
3 STBD	- 00-3/4	00-3/4	- 01-1/2	01-1/2	- 02-1/4	02-1/4	- 03-1/8	03-1/8	- 03-7/8	03-7/8	- 04-5/8	04-5/8

(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 1 PORT IS - 00-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 235'-09"

March 6, 2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 28714"

1 PORT

INNAGE TABLE

2" STANDPIPE

GAUGE HEIGHT 17'-03"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30042"

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	22.28	0	312.51	0	657.86	0	1,014.66	0	1,372.68	0	1,731.20	0	2,089.72	0	2,448.23	0	2,806.75	0	3,165.14
1/4	25.81	1/4	319.43	1/4	665.33	1/4	1,022.09	1/4	1,380.15	1/4	1,738.67	1/4	2,097.19	1/4	2,455.70	1/4	2,814.22	1/4	3,172.60
1/2	29.34	1/2	326.35	1/2	672.80	1/2	1,029.51	1/2	1,387.62	1/2	1,746.14	1/2	2,104.65	1/2	2,463.17	1/2	2,821.69	1/2	3,180.07
3/4	32.87	3/4	333.26	3/4	680.27	3/4	1,036.94	3/4	1,395.09	3/4	1,753.61	3/4	2,112.12	3/4	2,470.64	3/4	2,829.16	3/4	3,187.53
1	38.12	1	340.27	1	687.74	1	1,044.37	1	1,402.56	1	1,761.08	1	2,119.59	1	2,478.11	1	2,836.63	1	3,195.00
1/4	43.36	1/4	347.28	1/4	695.21	1/4	1,051.80	1/4	1,410.03	1/4	1,768.54	1/4	2,127.06	1/4	2,485.58	1/4	2,844.09	1/4	3,202.46
1/2	48.61	1/2	354.28	1/2	702.68	1/2	1,059.23	1/2	1,417.50	1/2	1,776.01	1/2	2,134.53	1/2	2,493.05	1/2	2,851.56	1/2	3,209.93
3/4	53.86	3/4	361.29	3/4	710.15	3/4	1,066.66	3/4	1,424.97	3/4	1,783.48	3/4	2,142.00	3/4	2,500.52	3/4	2,859.03	3/4	3,217.39
2	59.90	2	368.38	2	717.62	2	1,074.10	2	1,432.44	2	1,790.95	2	2,149.47	2	2,507.99	2	2,866.50	2	3,224.86
1/4	65.74	1/4	375.48	1/4	725.08	1/4	1,081.54	1/4	1,439.90	1/4	1,798.42	1/4	2,156.94	1/4	2,515.45	1/4	2,873.97	1/4	3,232.32
1/2	71.57	1/2	382.57	1/2	732.55	1/2	1,088.97	1/2	1,447.37	1/2	1,805.89	1/2	2,164.41	1/2	2,522.92	1/2	2,881.44	1/2	3,239.79
3/4	77.41	3/4	389.67	3/4	740.02	3/4	1,096.41	3/4	1,454.84	3/4	1,813.36	3/4	2,171.88	3/4	2,530.39	3/4	2,888.91	3/4	3,247.25
3	83.34	3	396.85	3	747.48	3	1,103.86	3	1,462.31	3	1,820.83	3	2,179.35	3	2,537.86	3	2,896.38	3	3,254.72
1/4	89.26	1/4	404.03	1/4	754.93	1/4	1,111.31	1/4	1,469.78	1/4	1,828.30	1/4	2,186.81	1/4	2,545.33	1/4	2,903.85	1/4	3,262.18
1/2	95.18	1/2	411.22	1/2	762.39	1/2	1,118.76	1/2	1,477.25	1/2	1,835.77	1/2	2,194.28	1/2	2,552.80	1/2	2,911.32	1/2	3,269.65
3/4	101.11	3/4	418.40	3/4	769.85	3/4	1,126.20	3/4	1,484.72	3/4	1,843.24	3/4	2,201.75	3/4	2,560.27	3/4	2,918.79	3/4	3,277.11
4	107.12	4	425.67	4	777.27	4	1,133.67	4	1,492.19	4	1,850.70	4	2,209.22	4	2,567.74	4	2,926.25	4	3,284.58
1/4	113.13	1/4	432.94	1/4	784.68	1/4	1,141.14	1/4	1,499.66	1/4	1,858.17	1/4	2,216.69	1/4	2,575.21	1/4	2,933.72	1/4	3,292.04
1/2	119.15	1/2	440.21	1/2	792.10	1/2	1,148.61	1/2	1,507.13	1/2	1,865.64	1/2	2,224.16	1/2	2,582.68	1/2	2,941.18	1/2	3,299.51
3/4	125.16	3/4	447.28	3/4	799.52	3/4	1,156.08	3/4	1,514.60	3/4	1,873.11	3/4	2,231.63	3/4	2,590.15	3/4	2,948.65	3/4	3,306.97
5	131.26	5	454.44	5	806.94	5	1,163.55	5	1,522.06	5	1,880.58	5	2,239.10	5	2,597.61	5	2,956.11	5	3,314.44
1/4	137.36	1/4	461.60	1/4	814.36	1/4	1,171.02	1/4	1,529.53	1/4	1,888.05	1/4	2,246.57	1/4	2,605.08	1/4	2,963.58	1/4	3,321.90
1/2	143.46	1/2	468.75	1/2	821.79	1/2	1,178.49	1/2	1,537.00	1/2	1,895.52	1/2	2,254.04	1/2	2,612.55	1/2	2,971.04	1/2	3,329.37
3/4	149.56	3/4	475.91	3/4	829.19	3/4	1,185.95	3/4	1,544.47	3/4	1,902.99	3/4	2,261.51	3/4	2,620.02	3/4	2,978.51	3/4	3,336.83
6	155.75	6	483.14	6	836.61	6	1,193.42	6	1,551.94	6	1,910.46	6	2,268.97	6	2,627.49	6	2,985.97	6	3,344.30
1/4	161.94	1/4	490.38	1/4	844.03	1/4	1,200.89	1/4	1,559.41	1/4	1,917.93	1/4	2,276.44	1/4	2,634.96	1/4	2,993.44	1/4	3,351.76
1/2	168.13	1/2	497.61	1/2	851.45	1/2	1,208.36	1/2	1,566.88	1/2	1,925.40	1/2	2,283.91	1/2	2,642.43	1/2	3,000.90	1/2	3,359.23
3/4	174.32	3/4	504.85	3/4	858.87	3/4	1,215.83	3/4	1,574.35	3/4	1,932.86	3/4	2,291.38	3/4	2,649.90	3/4	3,008.37	3/4	3,366.69
7	180.59	7	512.11	7	866.28	7	1,223.30	7	1,581.82	7	1,940.33	7	2,298.85	7	2,657.37	7	3,015.83	7	3,374.16
1/4	186.87	1/4	519.38	1/4	873.70	1/4	1,230.77	1/4	1,589.29	1/4	1,947.80	1/4	2,306.32	1/4	2,664.84	1/4	3,023.30	1/4	3,381.62
1/2	193.15	1/2	526.65	1/2	881.12	1/2	1,238.24	1/2	1,596.76	1/2	1,955.27	1/2	2,313.79	1/2	2,672.31	1/2	3,030.76	1/2	3,389.09
3/4	199.42	3/4	533.92	3/4	888.54	3/4	1,245.71	3/4	1,604.22	3/4	1,962.74	3/4	2,321.26	3/4	2,679.77	3/4	3,038.23	3/4	3,396.55
8	205.79	8	541.18	8	895.96	8	1,253.18	8	1,611.69	8	1,970.21	8	2,328.73	8	2,687.24	8	3,045.69	8	3,404.02
1/4	212.15	1/4	548.45	1/4	903.38	1/4	1,260.65	1/4	1,619.16	1/4	1,977.68	1/4	2,336.20	1/4	2,694.71	1/4	3,053.16	1/4	3,411.48
1/2	218.52	1/2	555.72	1/2	910.79	1/2	1,268.11	1/2	1,626.63	1/2	1,985.15	1/2	2,343.67	1/2	2,702.18	1/2	3,060.62	1/2	3,418.95
3/4	224.88	3/4	562.99	3/4	918.21	3/4	1,275.58	3/4	1,634.10	3/4	1,992.62	3/4	2,351.13	3/4	2,709.65	3/4	3,068.09	3/4	3,426.41
9	231.33	9	570.25	9	925.63	9	1,283.05	9	1,641.57	9	2,000.09	9	2,358.60	9	2,717.12	9	3,075.56	9	3,433.88
1/4	237.99	1/4	577.52	1/4	933.05	1/4	1,290.52	1/4	1,649.04	1/4	2,007.56	1/4	2,366.07	1/4	2,724.59	1/4	3,083.02	1/4	3,441.34
1/2	244.64	1/2	584.79	1/2	940.47	1/2	1,297.99	1/2	1,656.51	1/2	2,015.02	1/2	2,373.54	1/2	2,732.06	1/2	3,090.49	1/2	3,448.81
3/4	251.30	3/4	592.06	3/4	947.88	3/4	1,305.46	3/4	1,663.98	3/4	2,022.49	3/4	2,381.01	3/4	2,739.53	3/4	3,097.95	3/4	3,456.28
10	258.04	10	599.32	10	955.30	10	1,312.93	10	1,671.45	10	2,029.96	10	2,388.48	10	2,747.00	10	3,105.42	10	3,463.74
1/4	264.78	1/4	606.59	1/4	962.72	1/4	1,320.40	1/4	1,678.92	1/4	2,037.43	1/4	2,395.95	1/4	2,754.47	1/4	3,112.88	1/4	3,471.21
1/2	271.53	1/2	613.86	1/2	970.14	1/2	1,327.87	1/2	1,686.38	1/2	2,044.90	1/2	2,403.42	1/2	2,761.93	1/2	3,120.35	1/2	3,478.67
3/4	278.27	3/4	621.12	3/4	977.56	3/4	1,335.34	3/4	1,693.85	3/4	2,052.37	3/4	2,410.89	3/4	2,769.40	3/4	3,127.81	3/4	3,486.14
11	285.10	11	628.39	11	984.98	11	1,342.81	11	1,701.32	11	2,059.84	11	2,418.36	11	2,776.87	11	3,135.28	11	3,493.60
1/4	291.93	1/4	635.66	1/4	992.40	1/4	1,350.28	1/4	1,708.79	1/4	2,067.31	1/4	2,425.83	1/4	2,784.34	1/4	3,142.74	1/4	3,501.07
1/2	298.76	1/2	642.93	1/2	999.82	1/2	1,357.74	1/2	1,716.26	1/2	2,074.78	1/2	2,433.29	1/2	2,791.81	1/2	3,150.21	1/2	3,508.53
3/4	305.59	3/4	650.40	3/4	1,007.24	3/4	1,365.21	3/4	1,723.73	3/4	2,082.25	3/4	2,440.76	3/4	2,799.28	3/4	3,157.67	3/4	3,516.00

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" STANDPIPE.

GAUGE POINT: (2" STANDPIPE) LOCATED 12'-09" OFF CENTERLINE AND 41'-10" FORWARD OF AFT BULKHEAD.

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

Pearland, Texas 77588
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BARGE "KIRBY 28714"

1 PORT INNAGE TABLE 2" STANDPIPE GAUGE HEIGHT 17'-03"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30042"

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	3,523.46	0	3,881.79	0	4,240.11	0	4,597.61	0	4,951.96	0		0		0		0		0	
1/4	3,530.93	1/4	3,889.25	1/4	4,247.58	1/4	4,605.05	1/4	4,958.57	1/4		1/4		1/4		1/4		1/4	
1/2	3,538.39	1/2	3,896.72	1/2	4,255.04	1/2	4,612.50	1/2	4,965.17	1/2		1/2		1/2		1/2		1/2	
3/4	3,545.86	3/4	3,904.18	3/4	4,262.51	3/4	4,619.94	3/4	4,971.78	3/4		3/4		3/4		3/4		3/4	
1	3,553.32	1	3,911.65	1	4,269.97	1	4,627.37	1	4,977.32	1		1		1		1		1	
1/4	3,560.79	1/4	3,919.11	1/4	4,277.44	1/4	4,634.81	1/4	4,982.86	1/4		1/4		1/4		1/4		1/4	
1/2	3,568.25	1/2	3,926.58	1/2	4,284.90	1/2	4,642.24	1/2	4,988.40	1/2		1/2		1/2		1/2		1/2	
3/4	3,575.72	3/4	3,934.04	3/4	4,292.37	3/4	4,649.67	3/4	4,993.94	3/4		3/4		3/4		3/4		3/4	
2	3,583.18	2	3,941.51	2	4,299.83	2	4,657.08	2	4,998.42	2		2		2		2		2	
1/4	3,590.65	1/4	3,948.97	1/4	4,307.29	1/4	4,664.48	1/4	5,002.89	1/4		1/4		1/4		1/4		1/4	
1/2	3,598.11	1/2	3,956.44	1/2	4,314.75	1/2	4,671.89	1/2	5,007.36	1/2		1/2		1/2		1/2		1/2	
3/4	3,605.58	3/4	3,963.90	3/4	4,322.21	3/4	4,679.29	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,613.04	3	3,971.37	3	4,329.65	3	4,686.69	3		3		3		3		3		3	
1/4	3,620.51	1/4	3,978.83	1/4	4,337.09	1/4	4,694.10	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,627.97	1/2	3,986.30	1/2	4,344.54	1/2	4,701.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,635.44	3/4	3,993.76	3/4	4,351.98	3/4	4,708.90	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,642.90	4	4,001.23	4	4,359.42	4	4,716.31	4		4		4		4		4		4	
1/4	3,650.37	1/4	4,008.69	1/4	4,366.87	1/4	4,723.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,657.83	1/2	4,016.16	1/2	4,374.31	1/2	4,731.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,665.30	3/4	4,023.62	3/4	4,381.75	3/4	4,738.52	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,672.76	5	4,031.09	5	4,389.20	5	4,745.92	5		5		5		5		5		5	
1/4	3,680.23	1/4	4,038.55	1/4	4,396.64	1/4	4,753.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,687.69	1/2	4,046.02	1/2	4,404.08	1/2	4,760.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,695.16	3/4	4,053.48	3/4	4,411.53	3/4	4,768.13	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,702.62	6	4,060.95	6	4,418.97	6	4,775.54	6		6		6		6		6		6	
1/4	3,710.09	1/4	4,068.41	1/4	4,426.41	1/4	4,782.94	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,717.55	1/2	4,075.88	1/2	4,433.86	1/2	4,790.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,725.02	3/4	4,083.34	3/4	4,441.30	3/4	4,797.75	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,732.48	7	4,090.81	7	4,448.74	7	4,805.15	7		7		7		7		7		7	
1/4	3,739.95	1/4	4,098.27	1/4	4,456.19	1/4	4,812.56	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,747.41	1/2	4,105.74	1/2	4,463.63	1/2	4,819.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,754.88	3/4	4,113.20	3/4	4,471.07	3/4	4,827.37	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,762.34	8	4,120.67	8	4,478.52	8	4,834.77	8		8		8		8		8		8	
1/4	3,769.81	1/4	4,128.13	1/4	4,485.96	1/4	4,842.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,777.27	1/2	4,135.60	1/2	4,493.40	1/2	4,849.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,784.74	3/4	4,143.06	3/4	4,500.85	3/4	4,857.00	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,792.20	9	4,150.53	9	4,508.29	9	4,864.41	9		9		9		9		9		9	
1/4	3,799.67	1/4	4,157.99	1/4	4,515.73	1/4	4,871.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,807.13	1/2	4,165.46	1/2	4,523.18	1/2	4,879.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,814.60	3/4	4,172.92	3/4	4,530.62	3/4	4,886.63	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,822.07	10	4,180.39	10	4,538.06	10	4,894.04	10		10		10		10		10		10	
1/4	3,829.53	1/4	4,187.85	1/4	4,545.51	1/4	4,901.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,837.00	1/2	4,195.32	1/2	4,552.95	1/2	4,908.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,844.46	3/4	4,202.79	3/4	4,560.39	3/4	4,916.26	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,851.93	11	4,210.25	11	4,567.84	11	4,923.53	11		11		11		11		11		11	
1/4	3,859.39	1/4	4,217.72	1/4	4,575.28	1/4	4,930.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,866.86	1/2	4,225.18	1/2	4,582.72	1/2	4,938.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,874.32	3/4	4,232.65	3/4	4,590.17	3/4	4,945.36	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/17/2012 CL - SW
RECALCULATED: 03/06/2023 JS
REPRINTED: 03/06/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023

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



BARGE "KIRBY 28714"

1 STBD

INNAGE TABLE

2" STANDPIPE

GAUGE HEIGHT 17'-0 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30042"

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	22.28	0	312.51	0	657.80	0	1,015.85	0	1,374.33	0	1,732.84	0	2,091.35	0	2,449.86	0	2,808.38	0	3,166.75
1/4	25.81	1/4	319.43	1/4	665.27	1/4	1,023.32	1/4	1,381.80	1/4	1,740.31	1/4	2,098.82	1/4	2,457.33	1/4	2,815.84	1/4	3,174.22
1/2	29.34	1/2	326.35	1/2	672.74	1/2	1,030.78	1/2	1,389.27	1/2	1,747.78	1/2	2,106.29	1/2	2,464.80	1/2	2,823.31	1/2	3,181.68
3/4	32.87	3/4	333.26	3/4	680.21	3/4	1,038.24	3/4	1,396.73	3/4	1,755.25	3/4	2,113.76	3/4	2,472.27	3/4	2,830.78	3/4	3,189.15
1	38.12	1	340.27	1	687.68	1	1,045.71	1	1,404.20	1	1,762.72	1	2,121.23	1	2,479.74	1	2,838.25	1	3,196.61
1/4	43.36	1/4	347.28	1/4	695.15	1/4	1,053.17	1/4	1,411.67	1/4	1,770.18	1/4	2,128.70	1/4	2,487.21	1/4	2,845.72	1/4	3,204.08
1/2	48.61	1/2	354.28	1/2	702.61	1/2	1,060.63	1/2	1,419.14	1/2	1,777.65	1/2	2,136.17	1/2	2,494.68	1/2	2,853.19	1/2	3,211.54
3/4	53.86	3/4	361.29	3/4	710.08	3/4	1,068.10	3/4	1,426.61	3/4	1,785.12	3/4	2,143.63	3/4	2,502.15	3/4	2,860.66	3/4	3,219.01
2	59.90	2	368.38	2	717.55	2	1,075.57	2	1,434.08	2	1,792.59	2	2,151.10	2	2,509.62	2	2,868.13	2	3,226.47
1/4	65.74	1/4	375.48	1/4	725.02	1/4	1,083.04	1/4	1,441.55	1/4	1,800.06	1/4	2,158.57	1/4	2,517.08	1/4	2,875.60	1/4	3,233.94
1/2	71.57	1/2	382.57	1/2	732.49	1/2	1,090.51	1/2	1,449.02	1/2	1,807.53	1/2	2,166.04	1/2	2,524.55	1/2	2,883.07	1/2	3,241.40
3/4	77.41	3/4	389.67	3/4	739.96	3/4	1,097.97	3/4	1,456.49	3/4	1,815.00	3/4	2,173.51	3/4	2,532.02	3/4	2,890.53	3/4	3,248.87
3	83.34	3	396.85	3	747.42	3	1,105.44	3	1,463.96	3	1,822.47	3	2,180.98	3	2,539.49	3	2,898.00	3	3,256.33
1/4	89.26	1/4	404.03	1/4	754.89	1/4	1,112.91	1/4	1,471.42	1/4	1,829.94	1/4	2,188.45	1/4	2,546.96	1/4	2,905.47	1/4	3,263.80
1/2	95.18	1/2	411.22	1/2	762.36	1/2	1,120.38	1/2	1,478.89	1/2	1,837.41	1/2	2,195.92	1/2	2,554.43	1/2	2,912.94	1/2	3,271.26
3/4	101.11	3/4	418.40	3/4	769.82	3/4	1,127.85	3/4	1,486.36	3/4	1,844.87	3/4	2,203.39	3/4	2,561.90	3/4	2,920.41	3/4	3,278.73
4	107.12	4	425.67	4	777.28	4	1,135.32	4	1,493.83	4	1,852.34	4	2,210.86	4	2,569.37	4	2,927.87	4	3,286.19
1/4	113.13	1/4	432.94	1/4	784.73	1/4	1,142.79	1/4	1,501.30	1/4	1,859.81	1/4	2,218.32	1/4	2,576.84	1/4	2,935.34	1/4	3,293.66
1/2	119.15	1/2	440.21	1/2	792.19	1/2	1,150.26	1/2	1,508.77	1/2	1,867.28	1/2	2,225.79	1/2	2,584.31	1/2	2,942.80	1/2	3,301.12
3/4	125.16	3/4	447.28	3/4	799.64	3/4	1,157.73	3/4	1,516.24	3/4	1,874.75	3/4	2,233.26	3/4	2,591.77	3/4	2,950.27	3/4	3,308.59
5	131.26	5	454.44	5	807.10	5	1,165.20	5	1,523.71	5	1,882.22	5	2,240.73	5	2,599.24	5	2,957.73	5	3,316.05
1/4	137.36	1/4	461.60	1/4	814.55	1/4	1,172.66	1/4	1,531.18	1/4	1,889.69	1/4	2,248.20	1/4	2,606.71	1/4	2,965.20	1/4	3,323.52
1/2	143.46	1/2	468.75	1/2	822.01	1/2	1,180.13	1/2	1,538.65	1/2	1,897.16	1/2	2,255.67	1/2	2,614.18	1/2	2,972.66	1/2	3,330.98
3/4	149.56	3/4	475.91	3/4	829.46	3/4	1,187.60	3/4	1,546.11	3/4	1,904.63	3/4	2,263.14	3/4	2,621.65	3/4	2,980.13	3/4	3,338.45
6	155.75	6	483.14	6	836.92	6	1,195.07	6	1,553.58	6	1,912.10	6	2,270.61	6	2,629.12	6	2,987.59	6	3,345.91
1/4	161.94	1/4	490.38	1/4	844.37	1/4	1,202.54	1/4	1,561.05	1/4	1,919.56	1/4	2,278.08	1/4	2,636.59	1/4	2,995.06	1/4	3,353.38
1/2	168.13	1/2	497.61	1/2	851.83	1/2	1,210.01	1/2	1,568.52	1/2	1,927.03	1/2	2,285.55	1/2	2,644.06	1/2	3,002.52	1/2	3,360.84
3/4	174.32	3/4	504.84	3/4	859.28	3/4	1,217.48	3/4	1,575.99	3/4	1,934.50	3/4	2,293.01	3/4	2,651.53	3/4	3,009.99	3/4	3,368.31
7	180.59	7	512.10	7	866.74	7	1,224.95	7	1,583.46	7	1,941.97	7	2,300.48	7	2,659.00	7	3,017.45	7	3,375.77
1/4	186.87	1/4	519.36	1/4	874.19	1/4	1,232.42	1/4	1,590.93	1/4	1,949.44	1/4	2,307.95	1/4	2,666.46	1/4	3,024.92	1/4	3,383.24
1/2	193.15	1/2	526.62	1/2	881.65	1/2	1,239.89	1/2	1,598.40	1/2	1,956.91	1/2	2,315.42	1/2	2,673.93	1/2	3,032.38	1/2	3,390.70
3/4	199.42	3/4	533.88	3/4	889.10	3/4	1,247.35	3/4	1,605.87	3/4	1,964.38	3/4	2,322.89	3/4	2,681.40	3/4	3,039.85	3/4	3,398.17
8	205.79	8	541.14	8	896.56	8	1,254.82	8	1,613.34	8	1,971.85	8	2,330.36	8	2,688.87	8	3,047.31	8	3,405.63
1/4	212.15	1/4	548.40	1/4	904.01	1/4	1,262.29	1/4	1,620.80	1/4	1,979.32	1/4	2,337.83	1/4	2,696.34	1/4	3,054.78	1/4	3,413.10
1/2	218.52	1/2	555.66	1/2	911.47	1/2	1,269.76	1/2	1,628.27	1/2	1,986.79	1/2	2,345.30	1/2	2,703.81	1/2	3,062.24	1/2	3,420.56
3/4	224.88	3/4	562.93	3/4	918.92	3/4	1,277.23	3/4	1,635.74	3/4	1,994.25	3/4	2,352.77	3/4	2,711.28	3/4	3,069.71	3/4	3,428.03
9	231.33	9	570.19	9	926.38	9	1,284.70	9	1,643.21	9	2,001.72	9	2,360.24	9	2,718.75	9	3,077.17	9	3,435.49
1/4	237.99	1/4	577.46	1/4	933.83	1/4	1,292.17	1/4	1,650.68	1/4	2,009.19	1/4	2,367.70	1/4	2,726.22	1/4	3,084.64	1/4	3,442.96
1/2	244.64	1/2	584.73	1/2	941.29	1/2	1,299.64	1/2	1,658.15	1/2	2,016.66	1/2	2,375.17	1/2	2,733.69	1/2	3,092.10	1/2	3,450.42
3/4	251.30	3/4	591.99	3/4	948.74	3/4	1,307.11	3/4	1,665.62	3/4	2,024.13	3/4	2,382.64	3/4	2,741.15	3/4	3,099.57	3/4	3,457.89
10	258.04	10	599.26	10	956.20	10	1,314.58	10	1,673.09	10	2,031.60	10	2,390.11	10	2,748.62	10	3,107.03	10	3,465.35
1/4	264.78	1/4	606.53	1/4	963.65	1/4	1,322.04	1/4	1,680.56	1/4	2,039.07	1/4	2,397.58	1/4	2,756.09	1/4	3,114.50	1/4	3,472.82
1/2	271.53	1/2	613.80	1/2	971.11	1/2	1,329.51	1/2	1,688.03	1/2	2,046.54	1/2	2,405.05	1/2	2,763.56	1/2	3,121.96	1/2	3,480.28
3/4	278.27	3/4	621.06	3/4	978.56	3/4	1,336.98	3/4	1,695.49	3/4	2,054.01	3/4	2,412.52	3/4	2,771.03	3/4	3,129.43	3/4	3,487.75
11	285.10	11	628.33	11	986.02	11	1,344.45	11	1,702.96	11	2,061.48	11	2,419.99	11	2,778.50	11	3,136.89	11	3,495.21
1/4	291.93	1/4	635.60	1/4	993.48	1/4	1,351.92	1/4	1,710.43	1/4	2,068.94	1/4	2,427.46	1/4	2,785.97	1/4	3,144.36	1/4	3,502.68
1/2	298.76	1/2	642.86	1/2	1,000.93	1/2	1,359.39	1/2	1,717.90	1/2	2,076.41	1/2	2,434.93	1/2	2,793.44	1/2	3,151.82	1/2	3,510.14
3/4	305.59	3/4	650.33	3/4	1,008.39	3/4	1,366.86	3/4	1,725.37	3/4	2,083.88	3/4	2,442.39	3/4	2,800.91	3/4	3,159.29	3/4	3,517.61

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" STANDPIPE.

GAUGE POINT: (2" STANDPIPE) LOCATED 12'-09" OFF CENTERLINE AND 41'-10" FORWARD OF AFT BULKHEAD.

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

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



BARGE "SMI 30042"

1 STBD
INNAGE TABLE
2"STANDPIPE
GAUGE HEIGHT 17'-03 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	3,525.07	0	3,883.39	0	4,241.71	0	4,599.20	0	4,953.55	0		0		0		0		0	
1/4	3,532.54	1/4	3,890.86	1/4	4,249.18	1/4	4,606.65	1/4	4,960.15	1/4		1/4		1/4		1/4		1/4	
1/2	3,540.00	1/2	3,898.32	1/2	4,256.64	1/2	4,614.09	1/2	4,966.76	1/2		1/2		1/2		1/2		1/2	
3/4	3,547.47	3/4	3,905.79	3/4	4,264.11	3/4	4,621.53	3/4	4,973.36	3/4		3/4		3/4		3/4		3/4	
1	3,554.93	1	3,913.25	1	4,271.57	1	4,628.97	1	4,978.91	1		1		1		1		1	
1/4	3,562.40	1/4	3,920.72	1/4	4,279.04	1/4	4,636.40	1/4	4,984.45	1/4		1/4		1/4		1/4		1/4	
1/2	3,569.86	1/2	3,928.18	1/2	4,286.50	1/2	4,643.83	1/2	4,989.99	1/2		1/2		1/2		1/2		1/2	
3/4	3,577.33	3/4	3,935.65	3/4	4,293.97	3/4	4,651.26	3/4	4,995.53	3/4		3/4		3/4		3/4		3/4	
2	3,584.79	2	3,943.11	2	4,301.42	2	4,658.67	2	5,000.00	2		2		2		2		2	
1/4	3,592.26	1/4	3,950.58	1/4	4,308.88	1/4	4,666.07	1/4	5,004.47	1/4		1/4		1/4		1/4		1/4	
1/2	3,599.72	1/2	3,958.04	1/2	4,316.34	1/2	4,673.47	1/2	5,008.95	1/2		1/2		1/2		1/2		1/2	
3/4	3,607.19	3/4	3,965.51	3/4	4,323.80	3/4	4,680.88	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,614.65	3	3,972.97	3	4,331.24	3	4,688.28	3		3		3		3		3		3	
1/4	3,622.12	1/4	3,980.44	1/4	4,338.69	1/4	4,695.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,629.58	1/2	3,987.90	1/2	4,346.13	1/2	4,703.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,637.05	3/4	3,995.37	3/4	4,353.57	3/4	4,710.49	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,644.51	4	4,002.83	4	4,361.02	4	4,717.90	4		4		4		4		4		4	
1/4	3,651.98	1/4	4,010.30	1/4	4,368.46	1/4	4,725.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,659.44	1/2	4,017.76	1/2	4,375.90	1/2	4,732.70	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,666.91	3/4	4,025.23	3/4	4,383.35	3/4	4,740.11	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,674.37	5	4,032.69	5	4,390.79	5	4,747.51	5		5		5		5		5		5	
1/4	3,681.84	1/4	4,040.16	1/4	4,398.23	1/4	4,754.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,689.30	1/2	4,047.62	1/2	4,405.68	1/2	4,762.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,696.77	3/4	4,055.09	3/4	4,413.12	3/4	4,769.72	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,704.23	6	4,062.55	6	4,420.56	6	4,777.12	6		6		6		6		6		6	
1/4	3,711.70	1/4	4,070.02	1/4	4,428.01	1/4	4,784.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,719.16	1/2	4,077.48	1/2	4,435.45	1/2	4,791.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,726.63	3/4	4,084.95	3/4	4,442.89	3/4	4,799.33	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,734.09	7	4,092.41	7	4,450.34	7	4,806.74	7		7		7		7		7		7	
1/4	3,741.56	1/4	4,099.88	1/4	4,457.78	1/4	4,814.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,749.02	1/2	4,107.34	1/2	4,465.22	1/2	4,821.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,756.49	3/4	4,114.81	3/4	4,472.67	3/4	4,828.95	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,763.95	8	4,122.27	8	4,480.11	8	4,836.36	8		8		8		8		8		8	
1/4	3,771.42	1/4	4,129.74	1/4	4,487.55	1/4	4,843.77	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,778.88	1/2	4,137.20	1/2	4,495.00	1/2	4,851.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,786.35	3/4	4,144.67	3/4	4,502.44	3/4	4,858.58	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,793.81	9	4,152.13	9	4,509.88	9	4,865.99	9		9		9		9		9		9	
1/4	3,801.28	1/4	4,159.60	1/4	4,517.33	1/4	4,873.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,808.74	1/2	4,167.06	1/2	4,524.77	1/2	4,880.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,816.21	3/4	4,174.53	3/4	4,532.21	3/4	4,888.21	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,823.67	10	4,181.99	10	4,539.66	10	4,895.62	10		10		10		10		10		10	
1/4	3,831.14	1/4	4,189.46	1/4	4,547.10	1/4	4,903.03	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,838.60	1/2	4,196.92	1/2	4,554.54	1/2	4,910.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,846.07	3/4	4,204.39	3/4	4,561.99	3/4	4,917.84	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,853.53	11	4,211.85	11	4,569.43	11	4,925.12	11		11		11		11		11		11	
1/4	3,861.00	1/4	4,219.32	1/4	4,576.87	1/4	4,932.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,868.46	1/2	4,226.78	1/2	4,584.32	1/2	4,939.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,875.93	3/4	4,234.25	3/4	4,591.76	3/4	4,946.94	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023

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



BARGE "KIRBY 28714"

2 PORT INNAGE TABLE 2" STANDPIPE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30042"

GAUGE HEIGHT 17'-03 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	25.56	0	369.20	0	722.65	0	1,071.45	0	1,426.53	0	1,785.66	0	2,144.78	0	2,503.91	0	2,863.04	0	3,222.03
1/4	30.70	1/4	376.68	1/4	730.13	1/4	1,078.63	1/4	1,434.01	1/4	1,793.14	1/4	2,152.26	1/4	2,511.39	1/4	2,870.52	1/4	3,229.50
1/2	35.85	1/2	384.16	1/2	737.61	1/2	1,085.82	1/2	1,441.49	1/2	1,800.62	1/2	2,159.75	1/2	2,518.87	1/2	2,878.00	1/2	3,236.98
3/4	40.99	3/4	391.64	3/4	745.10	3/4	1,093.00	3/4	1,448.97	3/4	1,808.10	3/4	2,167.23	3/4	2,526.35	3/4	2,885.48	3/4	3,244.46
1	47.77	1	399.12	1	752.58	1	1,100.19	1	1,456.46	1	1,815.58	1	2,174.71	1	2,533.84	1	2,892.96	1	3,251.94
1/4	54.55	1/4	406.60	1/4	760.06	1/4	1,107.38	1/4	1,463.94	1/4	1,823.06	1/4	2,182.19	1/4	2,541.32	1/4	2,900.44	1/4	3,259.41
1/2	61.33	1/2	414.09	1/2	767.54	1/2	1,114.57	1/2	1,471.42	1/2	1,830.55	1/2	2,189.67	1/2	2,548.80	1/2	2,907.93	1/2	3,266.89
3/4	68.11	3/4	421.57	3/4	775.02	3/4	1,121.76	3/4	1,478.90	3/4	1,838.03	3/4	2,197.15	3/4	2,556.28	3/4	2,915.41	3/4	3,274.37
2	75.59	2	429.05	2	782.50	2	1,128.95	2	1,486.38	2	1,845.51	2	2,204.64	2	2,563.76	2	2,922.89	2	3,281.85
1/4	82.87	1/4	436.53	1/4	789.99	1/4	1,136.15	1/4	1,493.87	1/4	1,852.99	1/4	2,212.12	1/4	2,571.24	1/4	2,930.37	1/4	3,289.33
1/2	90.15	1/2	444.01	1/2	797.47	1/2	1,143.35	1/2	1,501.35	1/2	1,860.47	1/2	2,219.60	1/2	2,578.73	1/2	2,937.85	1/2	3,296.80
3/4	97.43	3/4	451.49	3/4	804.95	3/4	1,150.55	3/4	1,508.83	3/4	1,867.96	3/4	2,227.08	3/4	2,586.21	3/4	2,945.33	3/4	3,304.28
3	104.71	3	458.97	3	812.35	3	1,157.82	3	1,516.31	3	1,875.44	3	2,234.56	3	2,593.69	3	2,952.82	3	3,311.76
1/4	111.99	1/4	466.46	1/4	819.76	1/4	1,165.09	1/4	1,523.79	1/4	1,882.92	1/4	2,242.05	1/4	2,601.17	1/4	2,960.30	1/4	3,319.24
1/2	119.27	1/2	473.94	1/2	827.17	1/2	1,172.36	1/2	1,531.27	1/2	1,890.40	1/2	2,249.53	1/2	2,608.65	1/2	2,967.78	1/2	3,326.71
3/4	126.55	3/4	481.42	3/4	834.57	3/4	1,179.63	3/4	1,538.76	3/4	1,897.88	3/4	2,257.01	3/4	2,616.14	3/4	2,975.26	3/4	3,334.19
4	133.83	4	488.90	4	841.75	4	1,187.11	4	1,546.24	4	1,905.36	4	2,264.49	4	2,623.62	4	2,982.74	4	3,341.67
1/4	141.11	1/4	496.38	1/4	848.93	1/4	1,194.59	1/4	1,553.72	1/4	1,912.85	1/4	2,271.97	1/4	2,631.10	1/4	2,990.21	1/4	3,349.15
1/2	148.39	1/2	503.86	1/2	856.10	1/2	1,202.08	1/2	1,561.20	1/2	1,920.33	1/2	2,279.45	1/2	2,638.58	1/2	2,997.69	1/2	3,356.63
3/4	155.67	3/4	511.14	3/4	863.28	3/4	1,209.56	3/4	1,568.68	3/4	1,927.81	3/4	2,286.94	3/4	2,646.06	3/4	3,005.17	3/4	3,364.10
5	162.95	5	518.42	5	870.46	5	1,217.04	5	1,576.17	5	1,935.29	5	2,294.42	5	2,653.54	5	3,012.65	5	3,371.58
1/4	170.23	1/4	525.70	1/4	877.64	1/4	1,224.52	1/4	1,583.65	1/4	1,942.77	1/4	2,301.90	1/4	2,661.03	1/4	3,020.12	1/4	3,379.06
1/2	177.50	1/2	532.98	1/2	884.81	1/2	1,232.00	1/2	1,591.13	1/2	1,950.26	1/2	2,309.38	1/2	2,668.51	1/2	3,027.60	1/2	3,386.54
3/4	184.78	3/4	540.26	3/4	891.99	3/4	1,239.48	3/4	1,598.61	3/4	1,957.74	3/4	2,316.86	3/4	2,675.99	3/4	3,035.08	3/4	3,394.01
6	192.06	6	547.54	6	899.17	6	1,246.97	6	1,606.09	6	1,965.22	6	2,324.35	6	2,683.47	6	3,042.56	6	3,401.49
1/4	199.34	1/4	554.82	1/4	906.35	1/4	1,254.45	1/4	1,613.57	1/4	1,972.70	1/4	2,331.83	1/4	2,690.95	1/4	3,050.04	1/4	3,408.97
1/2	206.62	1/2	562.10	1/2	913.52	1/2	1,261.93	1/2	1,621.06	1/2	1,980.18	1/2	2,339.31	1/2	2,698.44	1/2	3,057.51	1/2	3,416.45
3/4	213.90	3/4	569.38	3/4	920.70	3/4	1,269.41	3/4	1,628.54	3/4	1,987.66	3/4	2,346.79	3/4	2,705.92	3/4	3,064.99	3/4	3,423.93
7	221.18	7	576.66	7	927.88	7	1,276.89	7	1,636.02	7	1,995.15	7	2,354.27	7	2,713.40	7	3,072.47	7	3,431.40
1/4	228.46	1/4	583.94	1/4	935.06	1/4	1,284.38	1/4	1,643.50	1/4	2,002.63	1/4	2,361.75	1/4	2,720.88	1/4	3,079.95	1/4	3,438.88
1/2	235.74	1/2	591.22	1/2	942.24	1/2	1,291.86	1/2	1,650.98	1/2	2,010.11	1/2	2,369.24	1/2	2,728.36	1/2	3,087.43	1/2	3,446.36
3/4	243.02	3/4	598.50	3/4	949.41	3/4	1,299.34	3/4	1,658.47	3/4	2,017.59	3/4	2,376.72	3/4	2,735.84	3/4	3,094.90	3/4	3,453.84
8	250.30	8	605.78	8	956.59	8	1,306.82	8	1,665.95	8	2,025.07	8	2,384.20	8	2,743.33	8	3,102.38	8	3,461.32
1/4	257.58	1/4	613.06	1/4	963.77	1/4	1,314.30	1/4	1,673.43	1/4	2,032.56	1/4	2,391.68	1/4	2,750.81	1/4	3,109.86	1/4	3,468.79
1/2	264.86	1/2	620.33	1/2	970.95	1/2	1,321.78	1/2	1,680.91	1/2	2,040.04	1/2	2,399.16	1/2	2,758.29	1/2	3,117.34	1/2	3,476.27
3/4	272.14	3/4	627.61	3/4	978.12	3/4	1,329.27	3/4	1,688.39	3/4	2,047.52	3/4	2,406.65	3/4	2,765.77	3/4	3,124.81	3/4	3,483.75
9	279.42	9	634.89	9	985.30	9	1,336.75	9	1,695.87	9	2,055.00	9	2,414.13	9	2,773.25	9	3,132.29	9	3,491.23
1/4	286.90	1/4	642.17	1/4	992.48	1/4	1,344.23	1/4	1,703.36	1/4	2,062.48	1/4	2,421.61	1/4	2,780.74	1/4	3,139.77	1/4	3,498.70
1/2	294.38	1/2	649.45	1/2	999.66	1/2	1,351.71	1/2	1,710.84	1/2	2,069.96	1/2	2,429.09	1/2	2,788.22	1/2	3,147.25	1/2	3,506.18
3/4	301.86	3/4	656.73	3/4	1,006.83	3/4	1,359.19	3/4	1,718.32	3/4	2,077.45	3/4	2,436.57	3/4	2,795.70	3/4	3,154.73	3/4	3,513.66
10	309.34	10	664.01	10	1,014.01	10	1,366.68	10	1,725.80	10	2,084.93	10	2,444.05	10	2,803.18	10	3,162.20	10	3,521.14
1/4	316.82	1/4	671.29	1/4	1,021.19	1/4	1,374.16	1/4	1,733.28	1/4	2,092.41	1/4	2,451.54	1/4	2,810.66	1/4	3,169.68	1/4	3,528.62
1/2	324.31	1/2	678.57	1/2	1,028.37	1/2	1,381.64	1/2	1,740.77	1/2	2,099.89	1/2	2,459.02	1/2	2,818.14	1/2	3,177.16	1/2	3,536.09
3/4	331.79	3/4	685.85	3/4	1,035.54	3/4	1,389.12	3/4	1,748.25	3/4	2,107.37	3/4	2,466.50	3/4	2,825.63	3/4	3,184.64	3/4	3,543.57
11	339.27	11	693.13	11	1,042.72	11	1,396.60	11	1,755.73	11	2,114.86	11	2,473.98	11	2,833.11	11	3,192.11	11	3,551.05
1/4	346.75	1/4	700.41	1/4	1,049.90	1/4	1,404.08	1/4	1,763.21	1/4	2,122.34	1/4	2,481.46	1/4	2,840.59	1/4	3,199.59	1/4	3,558.53
1/2	354.23	1/2	707.69	1/2	1,057.08	1/2	1,411.57	1/2	1,770.69	1/2	2,129.82	1/2	2,488.95	1/2	2,848.07	1/2	3,207.07	1/2	3,566.00
3/4	361.71	3/4	715.17	3/4	1,064.26	3/4	1,419.05	3/4	1,778.17	3/4	2,137.30	3/4	2,496.43	3/4	2,855.55	3/4	3,214.55	3/4	3,573.48

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" STANDPIPE.

GAUGE POINT: (2" STANDPIPE) LOCATED 12'-09" OFF CENTERLINE AND 41'-03" FORWARD OF AFT BULKHEAD.

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

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



BARGE "KIRBY 28714"

2 PORT INNAGE TABLE 2" STANDPIPE GAUGE HEIGHT 17'-03 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30042"

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	3,580.96	0	3,939.89	0	4,298.83	0	4,656.93	0	5,011.89	0		0		0		0		0	
1/4	3,588.44	1/4	3,947.37	1/4	4,306.31	1/4	4,664.39	1/4	5,018.50	1/4		1/4		1/4		1/4		1/4	
1/2	3,595.92	1/2	3,954.85	1/2	4,313.78	1/2	4,671.85	1/2	5,025.12	1/2		1/2		1/2		1/2		1/2	
3/4	3,603.39	3/4	3,962.33	3/4	4,321.26	3/4	4,679.30	3/4	5,031.74	3/4		3/4		3/4		3/4		3/4	
1	3,610.87	1	3,969.81	1	4,328.74	1	4,686.75	1	5,037.29	1		1		1		1		1	
1/4	3,618.35	1/4	3,977.28	1/4	4,336.22	1/4	4,694.19	1/4	5,042.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,625.83	1/2	3,984.76	1/2	4,343.70	1/2	4,701.64	1/2	5,048.39	1/2		1/2		1/2		1/2		1/2	
3/4	3,633.30	3/4	3,992.24	3/4	4,351.17	3/4	4,709.08	3/4	5,053.94	3/4		3/4		3/4		3/4		3/4	
2	3,640.78	2	3,999.72	2	4,358.64	2	4,716.50	2	5,058.42	2		2		2		2		2	
1/4	3,648.26	1/4	4,007.19	1/4	4,366.12	1/4	4,723.92	1/4	5,062.90	1/4		1/4		1/4		1/4		1/4	
1/2	3,655.74	1/2	4,014.67	1/2	4,373.59	1/2	4,731.33	1/2	5,067.38	1/2		1/2		1/2		1/2		1/2	
3/4	3,663.22	3/4	4,022.15	3/4	4,381.06	3/4	4,738.75	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,670.69	3	4,029.63	3	4,388.51	3	4,746.17	3		3		3		3		3		3	
1/4	3,678.17	1/4	4,037.11	1/4	4,395.97	1/4	4,753.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,685.65	1/2	4,044.58	1/2	4,403.43	1/2	4,761.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,693.13	3/4	4,052.06	3/4	4,410.88	3/4	4,768.42	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,700.60	4	4,059.54	4	4,418.34	4	4,775.83	4		4		4		4		4		4	
1/4	3,708.08	1/4	4,067.02	1/4	4,425.79	1/4	4,783.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,715.56	1/2	4,074.49	1/2	4,433.25	1/2	4,790.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,723.04	3/4	4,081.97	3/4	4,440.71	3/4	4,798.08	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,730.52	5	4,089.45	5	4,448.16	5	4,805.50	5		5		5		5		5		5	
1/4	3,737.99	1/4	4,096.93	1/4	4,455.62	1/4	4,812.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,745.47	1/2	4,104.41	1/2	4,463.08	1/2	4,820.33	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,752.95	3/4	4,111.88	3/4	4,470.53	3/4	4,827.75	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,760.43	6	4,119.36	6	4,477.99	6	4,835.16	6		6		6		6		6		6	
1/4	3,767.90	1/4	4,126.84	1/4	4,485.44	1/4	4,842.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,775.38	1/2	4,134.32	1/2	4,492.90	1/2	4,849.99	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,782.86	3/4	4,141.79	3/4	4,500.36	3/4	4,857.41	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,790.34	7	4,149.27	7	4,507.81	7	4,864.83	7		7		7		7		7		7	
1/4	3,797.82	1/4	4,156.75	1/4	4,515.27	1/4	4,872.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,805.29	1/2	4,164.23	1/2	4,522.72	1/2	4,879.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,812.77	3/4	4,171.71	3/4	4,530.18	3/4	4,887.08	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,820.25	8	4,179.18	8	4,537.64	8	4,894.50	8		8		8		8		8		8	
1/4	3,827.73	1/4	4,186.66	1/4	4,545.09	1/4	4,901.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,835.21	1/2	4,194.14	1/2	4,552.55	1/2	4,909.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,842.68	3/4	4,201.62	3/4	4,560.00	3/4	4,916.76	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,850.16	9	4,209.10	9	4,567.46	9	4,924.18	9		9		9		9		9		9	
1/4	3,857.64	1/4	4,216.57	1/4	4,574.92	1/4	4,931.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,865.12	1/2	4,224.05	1/2	4,582.37	1/2	4,939.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,872.59	3/4	4,231.53	3/4	4,589.83	3/4	4,946.44	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,880.07	10	4,239.01	10	4,597.29	10	4,953.86	10		10		10		10		10		10	
1/4	3,887.55	1/4	4,246.48	1/4	4,604.74	1/4	4,961.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,895.03	1/2	4,253.96	1/2	4,612.20	1/2	4,968.70	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,902.51	3/4	4,261.44	3/4	4,619.65	3/4	4,976.12	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,909.98	11	4,268.92	11	4,627.11	11	4,983.41	11		11		11		11		11		11	
1/4	3,917.46	1/4	4,276.40	1/4	4,634.57	1/4	4,990.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,924.94	1/2	4,283.87	1/2	4,642.02	1/2	4,997.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,932.42	3/4	4,291.35	3/4	4,649.48	3/4	5,005.27	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/17/2012 CL - SW
RECALCULATED: 03/06/2023 JS
REPRINTED: 03/06/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023

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



BARGE "KIRBY 28714"

2 STBD

INNAGE TABLE

2" STANDPIPE

GAUGE HEIGHT 17'-03 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30042"

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	25.58	0	369.51	0	723.27	0	1,082.27	0	1,441.67	0	1,801.10	0	2,160.53	0	2,519.95	0	2,879.38	0	3,238.68
1/4	30.73	1/4	377.00	1/4	730.76	1/4	1,089.76	1/4	1,449.16	1/4	1,808.59	1/4	2,168.01	1/4	2,527.44	1/4	2,886.87	1/4	3,246.17
1/2	35.88	1/2	384.49	1/2	738.25	1/2	1,097.24	1/2	1,456.64	1/2	1,816.07	1/2	2,175.50	1/2	2,534.93	1/2	2,894.36	1/2	3,253.65
3/4	41.03	3/4	391.97	3/4	745.74	3/4	1,104.72	3/4	1,464.13	3/4	1,823.56	3/4	2,182.99	3/4	2,542.42	3/4	2,901.85	3/4	3,261.13
1	47.81	1	399.46	1	753.22	1	1,112.20	1	1,471.62	1	1,831.05	1	2,190.48	1	2,549.91	1	2,909.34	1	3,268.62
1/4	54.60	1/4	406.95	1/4	760.71	1/4	1,119.69	1/4	1,479.11	1/4	1,838.54	1/4	2,197.97	1/4	2,557.40	1/4	2,916.82	1/4	3,276.10
1/2	61.38	1/2	414.44	1/2	768.20	1/2	1,127.17	1/2	1,486.60	1/2	1,846.03	1/2	2,205.45	1/2	2,564.88	1/2	2,924.31	1/2	3,283.59
3/4	68.17	3/4	421.93	3/4	775.69	3/4	1,134.66	3/4	1,494.08	3/4	1,853.51	3/4	2,212.94	3/4	2,572.37	3/4	2,931.80	3/4	3,291.07
2	75.66	2	429.41	2	783.17	2	1,142.14	2	1,501.57	2	1,861.00	2	2,220.43	2	2,579.86	2	2,939.29	2	3,298.56
1/4	82.94	1/4	436.90	1/4	790.66	1/4	1,149.63	1/4	1,509.06	1/4	1,868.49	1/4	2,227.92	1/4	2,587.35	1/4	2,946.78	1/4	3,306.04
1/2	90.23	1/2	444.39	1/2	798.15	1/2	1,157.12	1/2	1,516.55	1/2	1,875.98	1/2	2,235.41	1/2	2,594.84	1/2	2,954.26	1/2	3,313.52
3/4	97.51	3/4	451.88	3/4	805.64	3/4	1,164.61	3/4	1,524.04	3/4	1,883.47	3/4	2,242.89	3/4	2,602.32	3/4	2,961.75	3/4	3,321.01
3	104.80	3	459.37	3	813.12	3	1,172.10	3	1,531.53	3	1,890.95	3	2,250.38	3	2,609.81	3	2,969.24	3	3,328.49
1/4	112.09	1/4	466.85	1/4	820.61	1/4	1,179.58	1/4	1,539.01	1/4	1,898.44	1/4	2,257.87	1/4	2,617.30	1/4	2,976.73	1/4	3,335.98
1/2	119.37	1/2	474.34	1/2	828.09	1/2	1,187.07	1/2	1,546.50	1/2	1,905.93	1/2	2,265.36	1/2	2,624.79	1/2	2,984.22	1/2	3,343.46
3/4	126.66	3/4	481.83	3/4	835.58	3/4	1,194.56	3/4	1,553.99	3/4	1,913.42	3/4	2,272.85	3/4	2,632.28	3/4	2,991.71	3/4	3,350.94
4	133.94	4	489.32	4	843.05	4	1,202.05	4	1,561.48	4	1,920.91	4	2,280.34	4	2,639.76	4	2,999.19	4	3,358.43
1/4	141.23	1/4	496.81	1/4	850.53	1/4	1,209.54	1/4	1,568.97	1/4	1,928.39	1/4	2,287.82	1/4	2,647.25	1/4	3,006.68	1/4	3,365.91
1/2	148.51	1/2	504.29	1/2	858.00	1/2	1,217.03	1/2	1,576.45	1/2	1,935.88	1/2	2,295.31	1/2	2,654.74	1/2	3,014.16	1/2	3,373.40
3/4	155.80	3/4	511.58	3/4	865.48	3/4	1,224.51	3/4	1,583.94	3/4	1,943.37	3/4	2,302.80	3/4	2,662.23	3/4	3,021.64	3/4	3,380.88
5	163.09	5	518.87	5	872.95	5	1,232.00	5	1,591.43	5	1,950.86	5	2,310.29	5	2,669.72	5	3,029.13	5	3,388.36
1/4	170.37	1/4	526.15	1/4	880.43	1/4	1,239.49	1/4	1,598.92	1/4	1,958.35	1/4	2,317.78	1/4	2,677.20	1/4	3,036.61	1/4	3,395.85
1/2	177.66	1/2	533.44	1/2	887.90	1/2	1,246.98	1/2	1,606.41	1/2	1,965.84	1/2	2,325.26	1/2	2,684.69	1/2	3,044.10	1/2	3,403.33
3/4	184.94	3/4	540.72	3/4	895.38	3/4	1,254.47	3/4	1,613.89	3/4	1,973.32	3/4	2,332.75	3/4	2,692.18	3/4	3,051.58	3/4	3,410.82
6	192.23	6	548.01	6	902.85	6	1,261.95	6	1,621.38	6	1,980.81	6	2,340.24	6	2,699.67	6	3,059.06	6	3,418.30
1/4	199.51	1/4	555.29	1/4	910.33	1/4	1,269.44	1/4	1,628.87	1/4	1,988.30	1/4	2,347.73	1/4	2,707.16	1/4	3,066.55	1/4	3,425.78
1/2	206.80	1/2	562.58	1/2	917.80	1/2	1,276.93	1/2	1,636.36	1/2	1,995.79	1/2	2,355.22	1/2	2,714.65	1/2	3,074.03	1/2	3,433.27
3/4	214.09	3/4	569.87	3/4	925.28	3/4	1,284.42	3/4	1,643.85	3/4	2,003.28	3/4	2,362.70	3/4	2,722.13	3/4	3,081.52	3/4	3,440.75
7	221.37	7	577.15	7	932.76	7	1,291.91	7	1,651.34	7	2,010.76	7	2,370.19	7	2,729.62	7	3,089.00	7	3,448.24
1/4	228.66	1/4	584.44	1/4	940.23	1/4	1,299.39	1/4	1,658.82	1/4	2,018.25	1/4	2,377.68	1/4	2,737.11	1/4	3,096.48	1/4	3,455.72
1/2	235.94	1/2	591.72	1/2	947.71	1/2	1,306.88	1/2	1,666.31	1/2	2,025.74	1/2	2,385.17	1/2	2,744.60	1/2	3,103.97	1/2	3,463.21
3/4	243.23	3/4	599.01	3/4	955.18	3/4	1,314.37	3/4	1,673.80	3/4	2,033.23	3/4	2,392.66	3/4	2,752.09	3/4	3,111.45	3/4	3,470.69
8	250.51	8	606.29	8	962.66	8	1,321.86	8	1,681.29	8	2,040.72	8	2,400.15	8	2,759.57	8	3,118.94	8	3,478.17
1/4	257.80	1/4	613.58	1/4	970.13	1/4	1,329.35	1/4	1,688.78	1/4	2,048.20	1/4	2,407.63	1/4	2,767.06	1/4	3,126.42	1/4	3,485.66
1/2	265.09	1/2	620.87	1/2	977.61	1/2	1,336.83	1/2	1,696.26	1/2	2,055.69	1/2	2,415.12	1/2	2,774.55	1/2	3,133.90	1/2	3,493.14
3/4	272.37	3/4	628.15	3/4	985.08	3/4	1,344.32	3/4	1,703.75	3/4	2,063.18	3/4	2,422.61	3/4	2,782.04	3/4	3,141.39	3/4	3,500.63
9	279.66	9	635.44	9	992.56	9	1,351.81	9	1,711.24	9	2,070.67	9	2,430.10	9	2,789.53	9	3,148.87	9	3,508.11
1/4	287.14	1/4	642.72	1/4	1,000.03	1/4	1,359.30	1/4	1,718.73	1/4	2,078.16	1/4	2,437.59	1/4	2,797.01	1/4	3,156.36	1/4	3,515.59
1/2	294.63	1/2	650.01	1/2	1,007.51	1/2	1,366.79	1/2	1,726.22	1/2	2,085.64	1/2	2,445.07	1/2	2,804.50	1/2	3,163.84	1/2	3,523.08
3/4	302.12	3/4	657.30	3/4	1,014.98	3/4	1,374.28	3/4	1,733.70	3/4	2,093.13	3/4	2,452.56	3/4	2,811.99	3/4	3,171.33	3/4	3,530.56
10	309.61	10	664.58	10	1,022.46	10	1,381.76	10	1,741.19	10	2,100.62	10	2,460.05	10	2,819.48	10	3,178.81	10	3,538.05
1/4	317.10	1/4	671.87	1/4	1,029.93	1/4	1,389.25	1/4	1,748.68	1/4	2,108.11	1/4	2,467.54	1/4	2,826.97	1/4	3,186.29	1/4	3,545.53
1/2	324.58	1/2	679.15	1/2	1,037.41	1/2	1,396.74	1/2	1,756.17	1/2	2,115.60	1/2	2,475.03	1/2	2,834.45	1/2	3,193.78	1/2	3,553.01
3/4	332.07	3/4	686.44	3/4	1,044.88	3/4	1,404.23	3/4	1,763.66	3/4	2,123.09	3/4	2,482.51	3/4	2,841.94	3/4	3,201.26	3/4	3,560.50
11	339.56	11	693.72	11	1,052.36	11	1,411.72	11	1,771.14	11	2,130.57	11	2,490.00	11	2,849.43	11	3,208.75	11	3,567.98
1/4	347.05	1/4	701.01	1/4	1,059.84	1/4	1,419.20	1/4	1,778.63	1/4	2,138.06	1/4	2,497.49	1/4	2,856.92	1/4	3,216.23	1/4	3,575.47
1/2	354.54	1/2	708.30	1/2	1,067.31	1/2	1,426.69	1/2	1,786.12	1/2	2,145.55	1/2	2,504.98	1/2	2,864.41	1/2	3,223.71	1/2	3,582.95
3/4	362.02	3/4	715.78	3/4	1,074.79	3/4	1,434.18	3/4	1,793.61	3/4	2,153.04	3/4	2,512.47	3/4	2,871.90	3/4	3,231.20	3/4	3,590.43

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" STANDPIPE.

GAUGE POINT: (2" STANDPIPE) LOCATED 12'-09" OFF CENTERLINE AND 41'-03" FORWARD OF AFT BULKHEAD.

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

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



BARGE "KIRBY 28714"

2 STBD
INNAGE TABLE
2" STANDPIPE
GAUGE HEIGHT 17'-03 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30042"

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	3,597.92	0	3,957.16	0	4,316.39	0	4,674.80	0	5,030.06	0		0		0		0		0	
1/4	3,605.40	1/4	3,964.64	1/4	4,323.88	1/4	4,682.27	1/4	5,036.69	1/4		1/4		1/4		1/4		1/4	
1/2	3,612.89	1/2	3,972.12	1/2	4,331.36	1/2	4,689.73	1/2	5,043.31	1/2		1/2		1/2		1/2		1/2	
3/4	3,620.37	3/4	3,979.61	3/4	4,338.84	3/4	4,697.19	3/4	5,049.94	3/4		3/4		3/4		3/4		3/4	
1	3,627.86	1	3,987.09	1	4,346.33	1	4,704.64	1	5,055.49	1		1		1		1		1	
1/4	3,635.34	1/4	3,994.58	1/4	4,353.81	1/4	4,712.10	1/4	5,061.05	1/4		1/4		1/4		1/4		1/4	
1/2	3,642.82	1/2	4,002.06	1/2	4,361.30	1/2	4,719.55	1/2	5,066.60	1/2		1/2		1/2		1/2		1/2	
3/4	3,650.31	3/4	4,009.54	3/4	4,368.78	3/4	4,727.00	3/4	5,072.15	3/4		3/4		3/4		3/4		3/4	
2	3,657.79	2	4,017.03	2	4,376.26	2	4,734.42	2	5,076.64	2		2		2		2		2	
1/4	3,665.28	1/4	4,024.51	1/4	4,383.74	1/4	4,741.85	1/4	5,081.12	1/4		1/4		1/4		1/4		1/4	
1/2	3,672.76	1/2	4,032.00	1/2	4,391.22	1/2	4,749.27	1/2	5,085.61	1/2		1/2		1/2		1/2		1/2	
3/4	3,680.24	3/4	4,039.48	3/4	4,398.70	3/4	4,756.69	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,687.73	3	4,046.97	3	4,406.16	3	4,764.11	3		3		3		3		3		3	
1/4	3,695.21	1/4	4,054.45	1/4	4,413.62	1/4	4,771.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,702.70	1/2	4,061.93	1/2	4,421.08	1/2	4,778.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,710.18	3/4	4,069.42	3/4	4,428.55	3/4	4,786.38	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,717.66	4	4,076.90	4	4,436.01	4	4,793.80	4		4		4		4		4		4	
1/4	3,725.15	1/4	4,084.39	1/4	4,443.47	1/4	4,801.23	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,732.63	1/2	4,091.87	1/2	4,450.93	1/2	4,808.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,740.12	3/4	4,099.35	3/4	4,458.39	3/4	4,816.07	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,747.60	5	4,106.84	5	4,465.86	5	4,823.49	5		5		5		5		5		5	
1/4	3,755.09	1/4	4,114.32	1/4	4,473.32	1/4	4,830.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,762.57	1/2	4,121.81	1/2	4,480.78	1/2	4,838.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,770.05	3/4	4,129.29	3/4	4,488.24	3/4	4,845.76	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,777.54	6	4,136.77	6	4,495.71	6	4,853.18	6		6		6		6		6		6	
1/4	3,785.02	1/4	4,144.26	1/4	4,503.17	1/4	4,860.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,792.51	1/2	4,151.74	1/2	4,510.63	1/2	4,868.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,799.99	3/4	4,159.23	3/4	4,518.09	3/4	4,875.45	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,807.47	7	4,166.71	7	4,525.56	7	4,882.88	7		7		7		7		7		7	
1/4	3,814.96	1/4	4,174.19	1/4	4,533.02	1/4	4,890.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,822.44	1/2	4,181.68	1/2	4,540.48	1/2	4,897.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,829.93	3/4	4,189.16	3/4	4,547.94	3/4	4,905.15	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,837.41	8	4,196.65	8	4,555.41	8	4,912.57	8		8		8		8		8		8	
1/4	3,844.89	1/4	4,204.13	1/4	4,562.87	1/4	4,920.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,852.38	1/2	4,211.62	1/2	4,570.33	1/2	4,927.43	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,859.86	3/4	4,219.10	3/4	4,577.79	3/4	4,934.85	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,867.35	9	4,226.58	9	4,585.26	9	4,942.28	9		9		9		9		9		9	
1/4	3,874.83	1/4	4,234.07	1/4	4,592.72	1/4	4,949.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,882.31	1/2	4,241.55	1/2	4,600.18	1/2	4,957.13	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,889.80	3/4	4,249.04	3/4	4,607.64	3/4	4,964.56	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,897.28	10	4,256.52	10	4,615.11	10	4,971.99	10		10		10		10		10		10	
1/4	3,904.77	1/4	4,264.00	1/4	4,622.57	1/4	4,979.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,912.25	1/2	4,271.49	1/2	4,630.03	1/2	4,986.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,919.74	3/4	4,278.97	3/4	4,637.49	3/4	4,994.27	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,927.22	11	4,286.46	11	4,644.95	11	5,001.56	11		11		11		11		11		11	
1/4	3,934.70	1/4	4,293.94	1/4	4,652.42	1/4	5,008.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,942.19	1/2	4,301.42	1/2	4,659.88	1/2	5,016.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,949.67	3/4	4,308.91	3/4	4,667.34	3/4	5,023.44	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/17/2012 CL - SW
RECALCULATED: 03/06/2023 JS
REPRINTED: 03/06/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023

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



BARGE "KIRBY 28714"

3 PORT

INNAGE TABLE

2" STANDPIPE

GAUGE HEIGHT 17'-03 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30042"

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	25.50	0	367.83	0	719.81	0	1,069.50	0	1,423.91	0	1,781.35	0	2,136.65	0	2,491.97	0	2,849.15	0	3,206.15
1/4	30.63	1/4	375.28	1/4	727.26	1/4	1,076.72	1/4	1,431.36	1/4	1,788.80	1/4	2,144.03	1/4	2,499.42	1/4	2,856.59	1/4	3,213.59
1/2	35.76	1/2	382.73	1/2	734.71	1/2	1,083.94	1/2	1,438.81	1/2	1,796.24	1/2	2,151.42	1/2	2,506.86	1/2	2,864.03	1/2	3,221.02
3/4	40.89	3/4	390.18	3/4	742.16	3/4	1,091.17	3/4	1,446.25	3/4	1,803.69	3/4	2,158.80	3/4	2,514.31	3/4	2,871.47	3/4	3,228.46
1	47.65	1	397.63	1	749.61	1	1,098.40	1	1,453.70	1	1,811.14	1	2,166.18	1	2,521.76	1	2,878.91	1	3,235.89
1/4	54.42	1/4	405.07	1/4	757.06	1/4	1,105.62	1/4	1,461.15	1/4	1,818.58	1/4	2,173.57	1/4	2,529.20	1/4	2,886.35	1/4	3,243.32
1/2	61.18	1/2	412.52	1/2	764.51	1/2	1,112.85	1/2	1,468.59	1/2	1,826.03	1/2	2,180.95	1/2	2,536.65	1/2	2,893.79	1/2	3,250.75
3/4	67.94	3/4	419.97	3/4	771.96	3/4	1,120.08	3/4	1,476.04	3/4	1,833.48	3/4	2,188.33	3/4	2,544.10	3/4	2,901.23	3/4	3,258.18
2	75.40	2	427.42	2	779.41	2	1,127.31	2	1,483.49	2	1,840.92	2	2,195.72	2	2,551.54	2	2,908.67	2	3,265.60
1/4	82.66	1/4	434.87	1/4	786.86	1/4	1,134.55	1/4	1,490.93	1/4	1,848.37	1/4	2,203.10	1/4	2,558.99	1/4	2,916.11	1/4	3,273.01
1/2	89.92	1/2	442.32	1/2	794.31	1/2	1,141.79	1/2	1,498.38	1/2	1,855.82	1/2	2,210.49	1/2	2,566.44	1/2	2,923.55	1/2	3,280.43
3/4	97.18	3/4	449.77	3/4	801.76	3/4	1,149.02	3/4	1,505.83	3/4	1,863.26	3/4	2,217.87	3/4	2,573.88	3/4	2,930.99	3/4	3,287.85
3	104.44	3	457.22	3	809.16	3	1,156.31	3	1,513.27	3	1,870.69	3	2,225.26	3	2,581.33	3	2,938.42	3	3,295.26
1/4	111.69	1/4	464.67	1/4	816.55	1/4	1,163.60	1/4	1,520.72	1/4	1,878.13	1/4	2,232.65	1/4	2,588.77	1/4	2,945.86	1/4	3,302.68
1/2	118.95	1/2	472.12	1/2	823.94	1/2	1,170.89	1/2	1,528.17	1/2	1,885.56	1/2	2,240.04	1/2	2,596.22	1/2	2,953.30	1/2	3,310.09
3/4	126.20	3/4	479.57	3/4	831.33	3/4	1,178.18	3/4	1,535.61	3/4	1,892.99	3/4	2,247.43	3/4	2,603.66	3/4	2,960.74	3/4	3,317.51
4	133.45	4	487.02	4	838.55	4	1,185.62	4	1,543.06	4	1,900.37	4	2,254.83	4	2,611.10	4	2,968.18	4	3,324.93
1/4	140.70	1/4	494.47	1/4	845.76	1/4	1,193.07	1/4	1,550.51	1/4	1,907.75	1/4	2,262.24	1/4	2,618.54	1/4	2,975.61	1/4	3,332.34
1/2	147.95	1/2	501.92	1/2	852.98	1/2	1,200.52	1/2	1,557.95	1/2	1,915.14	1/2	2,269.65	1/2	2,625.98	1/2	2,983.05	1/2	3,339.76
3/4	155.20	3/4	509.17	3/4	860.20	3/4	1,207.96	3/4	1,565.40	3/4	1,922.52	3/4	2,277.06	3/4	2,633.42	3/4	2,990.49	3/4	3,347.17
5	162.45	5	516.42	5	867.41	5	1,215.41	5	1,572.85	5	1,929.91	5	2,284.47	5	2,640.86	5	2,997.92	5	3,354.59
1/4	169.70	1/4	523.67	1/4	874.63	1/4	1,222.86	1/4	1,580.29	1/4	1,937.29	1/4	2,291.88	1/4	2,648.30	1/4	3,005.36	1/4	3,362.00
1/2	176.95	1/2	530.92	1/2	881.85	1/2	1,230.30	1/2	1,587.74	1/2	1,944.67	1/2	2,299.28	1/2	2,655.73	1/2	3,012.80	1/2	3,369.42
3/4	184.20	3/4	538.17	3/4	889.06	3/4	1,237.75	3/4	1,595.19	3/4	1,952.06	3/4	2,306.69	3/4	2,663.17	3/4	3,020.23	3/4	3,376.84
6	191.45	6	545.42	6	896.28	6	1,245.20	6	1,602.63	6	1,959.44	6	2,314.10	6	2,670.61	6	3,027.67	6	3,384.25
1/4	198.70	1/4	552.67	1/4	903.50	1/4	1,252.64	1/4	1,610.08	1/4	1,966.82	1/4	2,321.51	1/4	2,678.05	1/4	3,035.11	1/4	3,391.67
1/2	205.95	1/2	559.92	1/2	910.71	1/2	1,260.09	1/2	1,617.53	1/2	1,974.21	1/2	2,328.92	1/2	2,685.49	1/2	3,042.54	1/2	3,399.08
3/4	213.20	3/4	567.17	3/4	917.93	3/4	1,267.54	3/4	1,624.97	3/4	1,981.59	3/4	2,336.32	3/4	2,692.93	3/4	3,049.98	3/4	3,406.50
7	220.45	7	574.42	7	925.15	7	1,274.98	7	1,632.42	7	1,988.98	7	2,343.73	7	2,700.37	7	3,057.42	7	3,413.91
1/4	227.70	1/4	581.67	1/4	932.36	1/4	1,282.43	1/4	1,639.87	1/4	1,996.36	1/4	2,351.14	1/4	2,707.81	1/4	3,064.85	1/4	3,421.33
1/2	234.95	1/2	588.91	1/2	939.58	1/2	1,289.88	1/2	1,647.31	1/2	2,003.74	1/2	2,358.55	1/2	2,715.25	1/2	3,072.29	1/2	3,428.75
3/4	242.20	3/4	596.16	3/4	946.80	3/4	1,297.32	3/4	1,654.76	3/4	2,011.13	3/4	2,365.96	3/4	2,722.69	3/4	3,079.73	3/4	3,436.16
8	249.44	8	603.41	8	954.01	8	1,304.77	8	1,662.21	8	2,018.51	8	2,373.36	8	2,730.13	8	3,087.16	8	3,443.58
1/4	256.69	1/4	610.66	1/4	961.23	1/4	1,312.22	1/4	1,669.65	1/4	2,025.89	1/4	2,380.77	1/4	2,737.57	1/4	3,094.60	1/4	3,450.99
1/2	263.94	1/2	617.91	1/2	968.45	1/2	1,319.66	1/2	1,677.10	1/2	2,033.28	1/2	2,388.18	1/2	2,745.01	1/2	3,102.04	1/2	3,458.41
3/4	271.19	3/4	625.16	3/4	975.66	3/4	1,327.11	3/4	1,684.55	3/4	2,040.66	3/4	2,395.59	3/4	2,752.44	3/4	3,109.47	3/4	3,465.83
9	278.43	9	632.41	9	982.88	9	1,334.56	9	1,691.99	9	2,048.04	9	2,403.00	9	2,759.88	9	3,116.91	9	3,473.24
1/4	285.88	1/4	639.66	1/4	990.10	1/4	1,342.00	1/4	1,699.44	1/4	2,055.43	1/4	2,410.41	1/4	2,767.32	1/4	3,124.35	1/4	3,480.66
1/2	293.33	1/2	646.91	1/2	997.31	1/2	1,349.45	1/2	1,706.89	1/2	2,062.81	1/2	2,417.81	1/2	2,774.76	1/2	3,131.78	1/2	3,488.08
3/4	300.78	3/4	654.16	3/4	1,004.53	3/4	1,356.90	3/4	1,714.33	3/4	2,070.20	3/4	2,425.22	3/4	2,782.20	3/4	3,139.22	3/4	3,495.50
10	308.23	10	661.41	10	1,011.75	10	1,364.34	10	1,721.78	10	2,077.58	10	2,432.63	10	2,789.64	10	3,146.66	10	3,502.93
1/4	315.68	1/4	668.66	1/4	1,018.96	1/4	1,371.79	1/4	1,729.23	1/4	2,084.96	1/4	2,440.04	1/4	2,797.08	1/4	3,154.09	1/4	3,510.36
1/2	323.13	1/2	675.91	1/2	1,026.18	1/2	1,379.24	1/2	1,736.67	1/2	2,092.35	1/2	2,447.45	1/2	2,804.52	1/2	3,161.53	1/2	3,517.78
3/4	330.58	3/4	683.16	3/4	1,033.40	3/4	1,386.68	3/4	1,744.12	3/4	2,099.73	3/4	2,454.85	3/4	2,811.96	3/4	3,168.97	3/4	3,525.21
11	338.03	11	690.41	11	1,040.62	11	1,394.13	11	1,751.57	11	2,107.11	11	2,462.27	11	2,819.40	11	3,176.40	11	3,532.64
1/4	345.48	1/4	697.65	1/4	1,047.84	1/4	1,401.57	1/4	1,759.01	1/4	2,114.50	1/4	2,469.69	1/4	2,826.84	1/4	3,183.84	1/4	3,540.08
1/2	352.93	1/2	704.90	1/2	1,055.05	1/2	1,409.02	1/2	1,766.46	1/2	2,121.88	1/2	2,477.11	1/2	2,834.28	1/2	3,191.28	1/2	3,547.51
3/4	360.38	3/4	712.35	3/4	1,062.27	3/4	1,416.47	3/4	1,773.90	3/4	2,129.27	3/4	2,484.52	3/4	2,841.71	3/4	3,198.71	3/4	3,554.95

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" STANDPIPE.

GAUGE POINT: (2" STANDPIPE) LOCATED 12'-09" OFF CENTERLINE AND 57'-11" FORWARD OF AFT BULKHEAD.

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

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



BARGE "KIRBY 28714"

3 PORT INNAGE TABLE 2" STANDPIPE GAUGE HEIGHT 17'-03 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30042"

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	3,561.25	0	3,708.23	0	3,844.83	0	3,980.87	0	4,114.34	0		0		0		0		0	
1/4	3,567.56	1/4	3,711.07	1/4	3,847.67	1/4	3,983.71	1/4	4,116.35	1/4		1/4		1/4		1/4		1/4	
1/2	3,573.86	1/2	3,713.92	1/2	3,850.52	1/2	3,986.54	1/2	4,118.36	1/2		1/2		1/2		1/2		1/2	
3/4	3,580.17	3/4	3,716.77	3/4	3,853.36	3/4	3,989.37	3/4	4,120.36	3/4		3/4		3/4		3/4		3/4	
1	3,583.01	1	3,719.61	1	3,856.21	1	3,992.19	1	4,121.31	1		1		1		1		1	
1/4	3,585.86	1/4	3,722.46	1/4	3,859.06	1/4	3,995.02	1/4	4,122.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,588.71	1/2	3,725.30	1/2	3,861.90	1/2	3,997.84	1/2	4,123.19	1/2		1/2		1/2		1/2		1/2	
3/4	3,591.55	3/4	3,728.15	3/4	3,864.75	3/4	4,000.67	3/4	4,124.13	3/4		3/4		3/4		3/4		3/4	
2	3,594.40	2	3,731.00	2	3,867.59	2	4,003.47	2	4,124.25	2		2		2		2		2	
1/4	3,597.24	1/4	3,733.84	1/4	3,870.43	1/4	4,006.28	1/4	4,124.38	1/4		1/4		1/4		1/4		1/4	
1/2	3,600.09	1/2	3,736.69	1/2	3,873.27	1/2	4,009.08	1/2	4,124.50	1/2		1/2		1/2		1/2		1/2	
3/4	3,602.93	3/4	3,739.53	3/4	3,876.12	3/4	4,011.88	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,605.78	3	3,742.38	3	3,878.95	3	4,014.69	3		3		3		3		3		3	
1/4	3,608.63	1/4	3,745.22	1/4	3,881.78	1/4	4,017.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,611.47	1/2	3,748.07	1/2	3,884.61	1/2	4,020.30	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,614.32	3/4	3,750.92	3/4	3,887.44	3/4	4,023.10	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,617.16	4	3,753.76	4	3,890.27	4	4,025.90	4		4		4		4		4		4	
1/4	3,620.01	1/4	3,756.61	1/4	3,893.10	1/4	4,028.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,622.85	1/2	3,759.45	1/2	3,895.94	1/2	4,031.51	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,625.70	3/4	3,762.30	3/4	3,898.77	3/4	4,034.32	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,628.55	5	3,765.14	5	3,901.60	5	4,037.12	5		5		5		5		5		5	
1/4	3,631.39	1/4	3,767.99	1/4	3,904.43	1/4	4,039.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,634.24	1/2	3,770.84	1/2	3,907.26	1/2	4,042.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,637.08	3/4	3,773.68	3/4	3,910.09	3/4	4,045.53	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,639.93	6	3,776.53	6	3,912.92	6	4,048.34	6		6		6		6		6		6	
1/4	3,642.78	1/4	3,779.37	1/4	3,915.76	1/4	4,051.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,645.62	1/2	3,782.22	1/2	3,918.59	1/2	4,053.94	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,648.47	3/4	3,785.07	3/4	3,921.42	3/4	4,056.75	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,651.31	7	3,787.91	7	3,924.25	7	4,059.55	7		7		7		7		7		7	
1/4	3,654.16	1/4	3,790.76	1/4	3,927.08	1/4	4,062.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,657.00	1/2	3,793.60	1/2	3,929.91	1/2	4,065.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,659.85	3/4	3,796.45	3/4	3,932.74	3/4	4,067.96	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,662.70	8	3,799.29	8	3,935.57	8	4,070.77	8		8		8		8		8		8	
1/4	3,665.54	1/4	3,802.14	1/4	3,938.41	1/4	4,073.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,668.39	1/2	3,804.99	1/2	3,941.24	1/2	4,076.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,671.23	3/4	3,807.83	3/4	3,944.07	3/4	4,079.19	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,674.08	9	3,810.68	9	3,946.90	9	4,082.00	9		9		9		9		9		9	
1/4	3,676.92	1/4	3,813.52	1/4	3,949.73	1/4	4,084.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,679.77	1/2	3,816.37	1/2	3,952.56	1/2	4,087.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,682.62	3/4	3,819.21	3/4	3,955.39	3/4	4,090.42	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,685.46	10	3,822.06	10	3,958.22	10	4,093.23	10		10		10		10		10		10	
1/4	3,688.31	1/4	3,824.91	1/4	3,961.06	1/4	4,096.03	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,691.15	1/2	3,827.75	1/2	3,963.89	1/2	4,098.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,694.00	3/4	3,830.60	3/4	3,966.72	3/4	4,101.65	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,696.85	11	3,833.44	11	3,969.55	11	4,104.32	11		11		11		11		11		11	
1/4	3,699.69	1/4	3,836.29	1/4	3,972.38	1/4	4,106.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,702.54	1/2	3,839.14	1/2	3,975.21	1/2	4,109.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,705.38	3/4	3,841.98	3/4	3,978.04	3/4	4,112.34	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/17/2012 CL - SW
RECALCULATED: 03/06/2023 JS
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CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023

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



BARGE "KIRBY 28714"

3 STBD

INNAGE TABLE

2" STANDPIPE

GAUGE HEIGHT 17'-03 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30042"

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	25.48	0	367.95	0	720.20	0	1,077.60	0	1,435.46	0	1,793.37	0	2,151.27	0	2,509.18	0	2,866.85	0	3,224.32
1/4	30.60	1/4	375.40	1/4	727.65	1/4	1,085.05	1/4	1,442.92	1/4	1,800.82	1/4	2,158.73	1/4	2,516.64	1/4	2,874.30	1/4	3,231.76
1/2	35.73	1/2	382.86	1/2	735.11	1/2	1,092.50	1/2	1,450.37	1/2	1,808.28	1/2	2,166.19	1/2	2,524.09	1/2	2,881.75	1/2	3,239.21
3/4	40.86	3/4	390.31	3/4	742.57	3/4	1,099.94	3/4	1,457.83	3/4	1,815.74	3/4	2,173.64	3/4	2,531.55	3/4	2,889.20	3/4	3,246.66
1	47.61	1	397.77	1	750.02	1	1,107.40	1	1,465.28	1	1,823.19	1	2,181.10	1	2,539.01	1	2,896.64	1	3,254.10
1/4	54.37	1/4	405.23	1/4	757.48	1/4	1,114.85	1/4	1,472.74	1/4	1,830.65	1/4	2,188.56	1/4	2,546.46	1/4	2,904.09	1/4	3,261.54
1/2	61.13	1/2	412.68	1/2	764.94	1/2	1,122.30	1/2	1,480.20	1/2	1,838.10	1/2	2,196.01	1/2	2,553.92	1/2	2,911.54	1/2	3,268.98
3/4	67.88	3/4	420.14	3/4	772.39	3/4	1,129.75	3/4	1,487.65	3/4	1,845.56	3/4	2,203.47	3/4	2,561.38	3/4	2,918.99	3/4	3,276.42
2	75.34	2	427.60	2	779.85	2	1,137.20	2	1,495.11	2	1,853.02	2	2,210.92	2	2,568.83	2	2,926.44	2	3,283.85
1/4	82.59	1/4	435.05	1/4	787.30	1/4	1,144.66	1/4	1,502.57	1/4	1,860.47	1/4	2,218.38	1/4	2,576.29	1/4	2,933.89	1/4	3,291.27
1/2	89.85	1/2	442.51	1/2	794.76	1/2	1,152.12	1/2	1,510.02	1/2	1,867.93	1/2	2,225.84	1/2	2,583.74	1/2	2,941.34	1/2	3,298.70
3/4	97.10	3/4	449.96	3/4	802.22	3/4	1,159.57	3/4	1,517.48	3/4	1,875.39	3/4	2,233.29	3/4	2,591.20	3/4	2,948.79	3/4	3,306.12
3	104.36	3	457.42	3	809.67	3	1,167.03	3	1,524.94	3	1,882.84	3	2,240.75	3	2,598.66	3	2,956.24	3	3,313.55
1/4	111.61	1/4	464.88	1/4	817.12	1/4	1,174.49	1/4	1,532.39	1/4	1,890.30	1/4	2,248.21	1/4	2,606.11	1/4	2,963.69	1/4	3,320.98
1/2	118.87	1/2	472.33	1/2	824.57	1/2	1,181.94	1/2	1,539.85	1/2	1,897.76	1/2	2,255.66	1/2	2,613.57	1/2	2,971.13	1/2	3,328.40
3/4	126.12	3/4	479.79	3/4	832.03	3/4	1,189.40	3/4	1,547.31	3/4	1,905.21	3/4	2,263.12	3/4	2,621.02	3/4	2,978.58	3/4	3,335.83
4	133.38	4	487.24	4	839.47	4	1,196.85	4	1,554.76	4	1,912.67	4	2,270.58	4	2,628.47	4	2,986.03	4	3,343.25
1/4	140.63	1/4	494.70	1/4	846.91	1/4	1,204.31	1/4	1,562.22	1/4	1,920.13	1/4	2,278.03	1/4	2,635.92	1/4	2,993.47	1/4	3,350.68
1/2	147.89	1/2	502.16	1/2	854.35	1/2	1,211.77	1/2	1,569.67	1/2	1,927.58	1/2	2,285.49	1/2	2,643.37	1/2	3,000.92	1/2	3,358.10
3/4	155.14	3/4	509.61	3/4	861.79	3/4	1,219.22	3/4	1,577.13	3/4	1,935.04	3/4	2,292.95	3/4	2,650.82	3/4	3,008.37	3/4	3,365.53
5	162.40	5	516.67	5	869.23	5	1,226.68	5	1,584.59	5	1,942.49	5	2,300.40	5	2,658.27	5	3,015.81	5	3,372.96
1/4	169.65	1/4	523.92	1/4	876.67	1/4	1,234.14	1/4	1,592.04	1/4	1,949.95	1/4	2,307.86	1/4	2,665.72	1/4	3,023.26	1/4	3,380.38
1/2	176.91	1/2	531.18	1/2	884.11	1/2	1,241.59	1/2	1,599.50	1/2	1,957.41	1/2	2,315.31	1/2	2,673.17	1/2	3,030.71	1/2	3,387.81
3/4	184.16	3/4	538.43	3/4	891.56	3/4	1,249.05	3/4	1,606.96	3/4	1,964.86	3/4	2,322.77	3/4	2,680.62	3/4	3,038.15	3/4	3,395.23
6	191.41	6	545.68	6	899.00	6	1,256.51	6	1,614.41	6	1,972.32	6	2,330.23	6	2,688.07	6	3,045.60	6	3,402.66
1/4	198.67	1/4	552.94	1/4	906.44	1/4	1,263.96	1/4	1,621.87	1/4	1,979.78	1/4	2,337.68	1/4	2,695.52	1/4	3,053.05	1/4	3,410.09
1/2	205.92	1/2	560.19	1/2	913.88	1/2	1,271.42	1/2	1,629.33	1/2	1,987.23	1/2	2,345.14	1/2	2,702.97	1/2	3,060.49	1/2	3,417.51
3/4	213.18	3/4	567.45	3/4	921.32	3/4	1,278.87	3/4	1,636.78	3/4	1,994.69	3/4	2,352.60	3/4	2,710.41	3/4	3,067.94	3/4	3,424.94
7	220.43	7	574.70	7	928.76	7	1,286.33	7	1,644.24	7	2,002.15	7	2,360.05	7	2,717.86	7	3,075.39	7	3,432.36
1/4	227.69	1/4	581.96	1/4	936.20	1/4	1,293.79	1/4	1,651.69	1/4	2,009.60	1/4	2,367.51	1/4	2,725.31	1/4	3,082.83	1/4	3,439.79
1/2	234.94	1/2	589.21	1/2	943.64	1/2	1,301.24	1/2	1,659.15	1/2	2,017.06	1/2	2,374.97	1/2	2,732.76	1/2	3,090.28	1/2	3,447.21
3/4	242.20	3/4	596.47	3/4	951.08	3/4	1,308.70	3/4	1,666.61	3/4	2,024.51	3/4	2,382.42	3/4	2,740.21	3/4	3,097.73	3/4	3,454.64
8	249.45	8	603.72	8	958.53	8	1,316.16	8	1,674.06	8	2,031.97	8	2,389.88	8	2,747.66	8	3,105.17	8	3,462.07
1/4	256.71	1/4	610.98	1/4	965.97	1/4	1,323.61	1/4	1,681.52	1/4	2,039.43	1/4	2,397.33	1/4	2,755.11	1/4	3,112.62	1/4	3,469.49
1/2	263.96	1/2	618.23	1/2	973.41	1/2	1,331.07	1/2	1,688.98	1/2	2,046.88	1/2	2,404.79	1/2	2,762.56	1/2	3,120.07	1/2	3,476.92
3/4	271.22	3/4	625.49	3/4	980.85	3/4	1,338.53	3/4	1,696.43	3/4	2,054.34	3/4	2,412.25	3/4	2,770.01	3/4	3,127.51	3/4	3,484.34
9	278.47	9	632.74	9	988.29	9	1,345.98	9	1,703.89	9	2,061.80	9	2,419.70	9	2,777.46	9	3,134.96	9	3,491.77
1/4	285.93	1/4	639.99	1/4	995.73	1/4	1,353.44	1/4	1,711.35	1/4	2,069.25	1/4	2,427.16	1/4	2,784.91	1/4	3,142.40	1/4	3,499.20
1/2	293.38	1/2	647.25	1/2	1,003.17	1/2	1,360.90	1/2	1,718.80	1/2	2,076.71	1/2	2,434.62	1/2	2,792.36	1/2	3,149.85	1/2	3,506.62
3/4	300.84	3/4	654.50	3/4	1,010.61	3/4	1,368.35	3/4	1,726.26	3/4	2,084.17	3/4	2,442.07	3/4	2,799.81	3/4	3,157.30	3/4	3,514.05
10	308.30	10	661.76	10	1,018.05	10	1,375.81	10	1,733.72	10	2,091.62	10	2,449.53	10	2,807.25	10	3,164.74	10	3,521.47
1/4	315.75	1/4	669.01	1/4	1,025.50	1/4	1,383.26	1/4	1,741.17	1/4	2,099.08	1/4	2,456.99	1/4	2,814.70	1/4	3,172.19	1/4	3,528.90
1/2	323.21	1/2	676.27	1/2	1,032.94	1/2	1,390.72	1/2	1,748.63	1/2	2,106.54	1/2	2,464.44	1/2	2,822.15	1/2	3,179.64	1/2	3,536.32
3/4	330.66	3/4	683.52	3/4	1,040.38	3/4	1,398.18	3/4	1,756.08	3/4	2,113.99	3/4	2,471.90	3/4	2,829.60	3/4	3,187.08	3/4	3,543.75
11	338.12	11	690.78	11	1,047.82	11	1,405.63	11	1,763.54	11	2,121.45	11	2,479.36	11	2,837.05	11	3,194.53	11	3,551.18
1/4	345.58	1/4	698.03	1/4	1,055.26	1/4	1,413.09	1/4	1,771.00	1/4	2,128.90	1/4	2,486.81	1/4	2,844.50	1/4	3,201.98	1/4	3,558.61
1/2	353.03	1/2	705.29	1/2	1,062.71	1/2	1,420.55	1/2	1,778.45	1/2	2,136.36	1/2	2,494.27	1/2	2,851.95	1/2	3,209.42	1/2	3,566.04
3/4	360.49	3/4	712.74	3/4	1,070.15	3/4	1,428.00	3/4	1,785.91	3/4	2,143.82	3/4	2,501.72	3/4	2,859.40	3/4	3,216.87	3/4	3,573.48

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 INNAGE GAUGES TAKEN TO TOP LIP OF 2" STANDPIPE.

GAUGE POINT: (2" STANDPIPE) LOCATED 12'-09" OFF CENTERLINE AND 57'-11" FORWARD OF AFT BULKHEAD.

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

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



BARGE "KIRBY 28714"

**3 STBD
INNAGE TABLE
2" STANDPIPE
GAUGE HEIGHT 17'-03 1/2"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMI 30042"

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	3,579.78	0	3,726.58	0	3,863.01	0	3,998.88	0	4,132.18	0		0		0		0		0	
1/4	3,586.07	1/4	3,729.42	1/4	3,865.85	1/4	4,001.71	1/4	4,134.19	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,592.37	1/2	3,732.26	1/2	3,868.69	1/2	4,004.54	1/2	4,136.20	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,598.67	3/4	3,735.10	3/4	3,871.53	3/4	4,007.36	3/4	4,138.20	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,601.51	1	3,737.94	1	3,874.37	1	4,010.18	1	4,139.14	1		1		1		1		1	
1/4	3,604.36	1/4	3,740.79	1/4	3,877.22	1/4	4,013.01	1/4	4,140.08	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,607.20	1/2	3,743.63	1/2	3,880.06	1/2	4,015.83	1/2	4,141.02	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,610.04	3/4	3,746.47	3/4	3,882.90	3/4	4,018.65	3/4	4,141.96	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,612.88	2	3,749.31	2	3,885.74	2	4,021.45	2	4,142.08	2		2		2		2		2	
1/4	3,615.73	1/4	3,752.16	1/4	3,888.58	1/4	4,024.25	1/4	4,142.20	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,618.57	1/2	3,755.00	1/2	3,891.41	1/2	4,027.05	1/2	4,142.33	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,621.41	3/4	3,757.84	3/4	3,894.25	3/4	4,029.85	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,624.25	3	3,760.68	3	3,897.08	3	4,032.65	3		3		3		3		3		3	
1/4	3,627.09	1/4	3,763.53	1/4	3,899.91	1/4	4,035.45	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,629.94	1/2	3,766.37	1/2	3,902.74	1/2	4,038.25	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,632.78	3/4	3,769.21	3/4	3,905.56	3/4	4,041.05	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,635.62	4	3,772.05	4	3,908.39	4	4,043.85	4		4		4		4		4		4	
1/4	3,638.46	1/4	3,774.89	1/4	3,911.22	1/4	4,046.65	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,641.31	1/2	3,777.74	1/2	3,914.05	1/2	4,049.45	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,644.15	3/4	3,780.58	3/4	3,916.87	3/4	4,052.25	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,646.99	5	3,783.42	5	3,919.70	5	4,055.05	5		5		5		5		5		5	
1/4	3,649.83	1/4	3,786.26	1/4	3,922.53	1/4	4,057.85	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,652.68	1/2	3,789.11	1/2	3,925.36	1/2	4,060.65	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,655.52	3/4	3,791.95	3/4	3,928.19	3/4	4,063.45	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,658.36	6	3,794.79	6	3,931.01	6	4,066.25	6		6		6		6		6		6	
1/4	3,661.20	1/4	3,797.63	1/4	3,933.84	1/4	4,069.05	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,664.04	1/2	3,800.48	1/2	3,936.67	1/2	4,071.85	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,666.89	3/4	3,803.32	3/4	3,939.50	3/4	4,074.65	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,669.73	7	3,806.16	7	3,942.32	7	4,077.46	7		7		7		7		7		7	
1/4	3,672.57	1/4	3,809.00	1/4	3,945.15	1/4	4,080.26	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,675.41	1/2	3,811.84	1/2	3,947.98	1/2	4,083.06	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,678.26	3/4	3,814.69	3/4	3,950.81	3/4	4,085.86	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,681.10	8	3,817.53	8	3,953.64	8	4,088.66	8		8		8		8		8		8	
1/4	3,683.94	1/4	3,820.37	1/4	3,956.46	1/4	4,091.47	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,686.78	1/2	3,823.21	1/2	3,959.29	1/2	4,094.27	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,689.63	3/4	3,826.06	3/4	3,962.12	3/4	4,097.07	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,692.47	9	3,828.90	9	3,964.95	9	4,099.88	9		9		9		9		9		9	
1/4	3,695.31	1/4	3,831.74	1/4	3,967.77	1/4	4,102.68	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,698.15	1/2	3,834.58	1/2	3,970.60	1/2	4,105.48	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,700.99	3/4	3,837.42	3/4	3,973.43	3/4	4,108.28	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,703.84	10	3,840.27	10	3,976.26	10	4,111.09	10		10		10		10		10		10	
1/4	3,706.68	1/4	3,843.11	1/4	3,979.09	1/4	4,113.89	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,709.52	1/2	3,845.95	1/2	3,981.91	1/2	4,116.69	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,712.36	3/4	3,848.79	3/4	3,984.74	3/4	4,119.50	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,715.21	11	3,851.64	11	3,987.57	11	4,122.17	11		11		11		11		11		11	
1/4	3,718.05	1/4	3,854.48	1/4	3,990.40	1/4	4,124.84	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,720.89	1/2	3,857.32	1/2	3,993.23	1/2	4,127.51	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,723.73	3/4	3,860.16	3/4	3,996.05	3/4	4,130.18	3/4		3/4	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: 10/17/2012 CL - SW
RECALCULATED: 03/06/2023 JS
REPRINTED: 03/06/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023

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



BARGE "KIRBY 28714"

PORT FUEL INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

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	1,244	0	2,487	0	3,731	0	4,975	0	6,218	0	7,462	0		0		0	
1/4	26	1/4	1,270	1/4	2,513	1/4	3,757	1/4	5,000	1/4	6,244	1/4	7,488	1/4		1/4		1/4	
1/2	52	1/2	1,295	1/2	2,539	1/2	3,783	1/2	5,026	1/2	6,270	1/2	7,514	1/2		1/2		1/2	
3/4	78	3/4	1,321	3/4	2,565	3/4	3,809	3/4	5,052	3/4	6,296	3/4	7,540	3/4		3/4		3/4	
1	104	1	1,347	1	2,591	1	3,835	1	5,078	1	6,322	1	7,565	1		1		1	
1/4	130	1/4	1,373	1/4	2,617	1/4	3,860	1/4	5,104	1/4	6,348	1/4	7,591	1/4		1/4		1/4	
1/2	155	1/2	1,399	1/2	2,643	1/2	3,886	1/2	5,130	1/2	6,374	1/2	7,617	1/2		1/2		1/2	
3/4	181	3/4	1,425	3/4	2,669	3/4	3,912	3/4	5,156	3/4	6,400	3/4	7,643	3/4		3/4		3/4	
2	207	2	1,451	2	2,695	2	3,938	2	5,182	2	6,425	2	7,669	2		2		2	
1/4	233	1/4	1,477	1/4	2,720	1/4	3,964	1/4	5,208	1/4	6,451	1/4	7,695	1/4		1/4		1/4	
1/2	259	1/2	1,503	1/2	2,746	1/2	3,990	1/2	5,234	1/2	6,477	1/2	7,721	1/2		1/2		1/2	
3/4	285	3/4	1,529	3/4	2,772	3/4	4,016	3/4	5,260	3/4	6,503	3/4	7,747	3/4		3/4		3/4	
3	311	3	1,555	3	2,798	3	4,042	3	5,285	3	6,529	3	7,773	3		3		3	
1/4	337	1/4	1,580	1/4	2,824	1/4	4,068	1/4	5,311	1/4	6,555	1/4		1/4		1/4		1/4	
1/2	363	1/2	1,606	1/2	2,850	1/2	4,094	1/2	5,337	1/2	6,581	1/2		1/2		1/2		1/2	
3/4	389	3/4	1,632	3/4	2,876	3/4	4,120	3/4	5,363	3/4	6,607	3/4		3/4		3/4		3/4	
4	415	4	1,658	4	2,902	4	4,145	4	5,389	4	6,633	4		4		4		4	
1/4	440	1/4	1,684	1/4	2,928	1/4	4,171	1/4	5,415	1/4	6,659	1/4		1/4		1/4		1/4	
1/2	466	1/2	1,710	1/2	2,954	1/2	4,197	1/2	5,441	1/2	6,685	1/2		1/2		1/2		1/2	
3/4	492	3/4	1,736	3/4	2,980	3/4	4,223	3/4	5,467	3/4	6,710	3/4		3/4		3/4		3/4	
5	518	5	1,762	5	3,005	5	4,249	5	5,493	5	6,736	5		5		5		5	
1/4	544	1/4	1,788	1/4	3,031	1/4	4,275	1/4	5,519	1/4	6,762	1/4		1/4		1/4		1/4	
1/2	570	1/2	1,814	1/2	3,057	1/2	4,301	1/2	5,545	1/2	6,788	1/2		1/2		1/2		1/2	
3/4	596	3/4	1,840	3/4	3,083	3/4	4,327	3/4	5,570	3/4	6,814	3/4		3/4		3/4		3/4	
6	622	6	1,865	6	3,109	6	4,353	6	5,596	6	6,840	6		6		6		6	
1/4	648	1/4	1,891	1/4	3,135	1/4	4,379	1/4	5,622	1/4	6,866	1/4		1/4		1/4		1/4	
1/2	674	1/2	1,917	1/2	3,161	1/2	4,405	1/2	5,648	1/2	6,892	1/2		1/2		1/2		1/2	
3/4	700	3/4	1,943	3/4	3,187	3/4	4,430	3/4	5,674	3/4	6,918	3/4		3/4		3/4		3/4	
7	725	7	1,969	7	3,213	7	4,456	7	5,700	7	6,944	7		7		7		7	
1/4	751	1/4	1,995	1/4	3,239	1/4	4,482	1/4	5,726	1/4	6,970	1/4		1/4		1/4		1/4	
1/2	777	1/2	2,021	1/2	3,265	1/2	4,508	1/2	5,752	1/2	6,995	1/2		1/2		1/2		1/2	
3/4	803	3/4	2,047	3/4	3,290	3/4	4,534	3/4	5,778	3/4	7,021	3/4		3/4		3/4		3/4	
8	829	8	2,073	8	3,316	8	4,560	8	5,804	8	7,047	8		8		8		8	
1/4	855	1/4	2,099	1/4	3,342	1/4	4,586	1/4	5,830	1/4	7,073	1/4		1/4		1/4		1/4	
1/2	881	1/2	2,125	1/2	3,368	1/2	4,612	1/2	5,855	1/2	7,099	1/2		1/2		1/2		1/2	
3/4	907	3/4	2,150	3/4	3,394	3/4	4,638	3/4	5,881	3/4	7,125	3/4		3/4		3/4		3/4	
9	933	9	2,176	9	3,420	9	4,664	9	5,907	9	7,151	9		9		9		9	
1/4	959	1/4	2,202	1/4	3,446	1/4	4,690	1/4	5,933	1/4	7,177	1/4		1/4		1/4		1/4	
1/2	985	1/2	2,228	1/2	3,472	1/2	4,715	1/2	5,959	1/2	7,203	1/2		1/2		1/2		1/2	
3/4	1,010	3/4	2,254	3/4	3,498	3/4	4,741	3/4	5,985	3/4	7,229	3/4		3/4		3/4		3/4	
10	1,036	10	2,280	10	3,524	10	4,767	10	6,011	10	7,255	10		10		10		10	
1/4	1,062	1/4	2,306	1/4	3,550	1/4	4,793	1/4	6,037	1/4	7,280	1/4		1/4		1/4		1/4	
1/2	1,088	1/2	2,332	1/2	3,575	1/2	4,819	1/2	6,063	1/2	7,306	1/2		1/2		1/2		1/2	
3/4	1,114	3/4	2,358	3/4	3,601	3/4	4,845	3/4	6,089	3/4	7,332	3/4		3/4		3/4		3/4	
11	1,140	11	2,384	11	3,627	11	4,871	11	6,115	11	7,358	11		11		11		11	
1/4	1,166	1/4	2,410	1/4	3,653	1/4	4,897	1/4	6,140	1/4	7,384	1/4		1/4		1/4		1/4	
1/2	1,192	1/2	2,435	1/2	3,679	1/2	4,923	1/2	6,166	1/2	7,410	1/2		1/2		1/2		1/2	
3/4	1,218	3/4	2,461	3/4	3,705	3/4	4,949	3/4	6,192	3/4	7,436	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.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES

STRAPPED: 03/01/2023 JS
 COMPUTED: 03/08/2023 CL
 PRINTED: 03/08/2023 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 03/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 28714"

STBD FUEL INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

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	1,244	0	2,487	0	3,731	0	4,975	0	6,218	0	7,462	0		0		0	
1/4	26	1/4	1,270	1/4	2,513	1/4	3,757	1/4	5,000	1/4	6,244	1/4	7,488	1/4		1/4		1/4	
1/2	52	1/2	1,295	1/2	2,539	1/2	3,783	1/2	5,026	1/2	6,270	1/2	7,514	1/2		1/2		1/2	
3/4	78	3/4	1,321	3/4	2,565	3/4	3,809	3/4	5,052	3/4	6,296	3/4	7,540	3/4		3/4		3/4	
1	104	1	1,347	1	2,591	1	3,835	1	5,078	1	6,322	1	7,565	1		1		1	
1/4	130	1/4	1,373	1/4	2,617	1/4	3,860	1/4	5,104	1/4	6,348	1/4	7,591	1/4		1/4		1/4	
1/2	155	1/2	1,399	1/2	2,643	1/2	3,886	1/2	5,130	1/2	6,374	1/2	7,617	1/2		1/2		1/2	
3/4	181	3/4	1,425	3/4	2,669	3/4	3,912	3/4	5,156	3/4	6,400	3/4	7,643	3/4		3/4		3/4	
2	207	2	1,451	2	2,695	2	3,938	2	5,182	2	6,425	2	7,669	2		2		2	
1/4	233	1/4	1,477	1/4	2,720	1/4	3,964	1/4	5,208	1/4	6,451	1/4	7,695	1/4		1/4		1/4	
1/2	259	1/2	1,503	1/2	2,746	1/2	3,990	1/2	5,234	1/2	6,477	1/2	7,721	1/2		1/2		1/2	
3/4	285	3/4	1,529	3/4	2,772	3/4	4,016	3/4	5,260	3/4	6,503	3/4	7,747	3/4		3/4		3/4	
3	311	3	1,555	3	2,798	3	4,042	3	5,285	3	6,529	3	7,773	3		3		3	
1/4	337	1/4	1,580	1/4	2,824	1/4	4,068	1/4	5,311	1/4	6,555	1/4		1/4		1/4		1/4	
1/2	363	1/2	1,606	1/2	2,850	1/2	4,094	1/2	5,337	1/2	6,581	1/2		1/2		1/2		1/2	
3/4	389	3/4	1,632	3/4	2,876	3/4	4,120	3/4	5,363	3/4	6,607	3/4		3/4		3/4		3/4	
4	415	4	1,658	4	2,902	4	4,145	4	5,389	4	6,633	4		4		4		4	
1/4	440	1/4	1,684	1/4	2,928	1/4	4,171	1/4	5,415	1/4	6,659	1/4		1/4		1/4		1/4	
1/2	466	1/2	1,710	1/2	2,954	1/2	4,197	1/2	5,441	1/2	6,685	1/2		1/2		1/2		1/2	
3/4	492	3/4	1,736	3/4	2,980	3/4	4,223	3/4	5,467	3/4	6,710	3/4		3/4		3/4		3/4	
5	518	5	1,762	5	3,005	5	4,249	5	5,493	5	6,736	5		5		5		5	
1/4	544	1/4	1,788	1/4	3,031	1/4	4,275	1/4	5,519	1/4	6,762	1/4		1/4		1/4		1/4	
1/2	570	1/2	1,814	1/2	3,057	1/2	4,301	1/2	5,545	1/2	6,788	1/2		1/2		1/2		1/2	
3/4	596	3/4	1,840	3/4	3,083	3/4	4,327	3/4	5,570	3/4	6,814	3/4		3/4		3/4		3/4	
6	622	6	1,865	6	3,109	6	4,353	6	5,596	6	6,840	6		6		6		6	
1/4	648	1/4	1,891	1/4	3,135	1/4	4,379	1/4	5,622	1/4	6,866	1/4		1/4		1/4		1/4	
1/2	674	1/2	1,917	1/2	3,161	1/2	4,405	1/2	5,648	1/2	6,892	1/2		1/2		1/2		1/2	
3/4	700	3/4	1,943	3/4	3,187	3/4	4,430	3/4	5,674	3/4	6,918	3/4		3/4		3/4		3/4	
7	725	7	1,969	7	3,213	7	4,456	7	5,700	7	6,944	7		7		7		7	
1/4	751	1/4	1,995	1/4	3,239	1/4	4,482	1/4	5,726	1/4	6,970	1/4		1/4		1/4		1/4	
1/2	777	1/2	2,021	1/2	3,265	1/2	4,508	1/2	5,752	1/2	6,995	1/2		1/2		1/2		1/2	
3/4	803	3/4	2,047	3/4	3,290	3/4	4,534	3/4	5,778	3/4	7,021	3/4		3/4		3/4		3/4	
8	829	8	2,073	8	3,316	8	4,560	8	5,804	8	7,047	8		8		8		8	
1/4	855	1/4	2,099	1/4	3,342	1/4	4,586	1/4	5,830	1/4	7,073	1/4		1/4		1/4		1/4	
1/2	881	1/2	2,125	1/2	3,368	1/2	4,612	1/2	5,855	1/2	7,099	1/2		1/2		1/2		1/2	
3/4	907	3/4	2,150	3/4	3,394	3/4	4,638	3/4	5,881	3/4	7,125	3/4		3/4		3/4		3/4	
9	933	9	2,176	9	3,420	9	4,664	9	5,907	9	7,151	9		9		9		9	
1/4	959	1/4	2,202	1/4	3,446	1/4	4,690	1/4	5,933	1/4	7,177	1/4		1/4		1/4		1/4	
1/2	985	1/2	2,228	1/2	3,472	1/2	4,715	1/2	5,959	1/2	7,203	1/2		1/2		1/2		1/2	
3/4	1,010	3/4	2,254	3/4	3,498	3/4	4,741	3/4	5,985	3/4	7,229	3/4		3/4		3/4		3/4	
10	1,036	10	2,280	10	3,524	10	4,767	10	6,011	10	7,255	10		10		10		10	
1/4	1,062	1/4	2,306	1/4	3,550	1/4	4,793	1/4	6,037	1/4	7,280	1/4		1/4		1/4		1/4	
1/2	1,088	1/2	2,332	1/2	3,575	1/2	4,819	1/2	6,063	1/2	7,306	1/2		1/2		1/2		1/2	
3/4	1,114	3/4	2,358	3/4	3,601	3/4	4,845	3/4	6,089	3/4	7,332	3/4		3/4		3/4		3/4	
11	1,140	11	2,384	11	3,627	11	4,871	11	6,115	11	7,358	11		11		11		11	
1/4	1,166	1/4	2,410	1/4	3,653	1/4	4,897	1/4	6,140	1/4	7,384	1/4		1/4		1/4		1/4	
1/2	1,192	1/2	2,435	1/2	3,679	1/2	4,923	1/2	6,166	1/2	7,410	1/2		1/2		1/2		1/2	
3/4	1,218	3/4	2,461	3/4	3,705	3/4	4,949	3/4	6,192	3/4	7,436	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.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES

STRAPPED: 03/01/2023 JS
 COMPUTED: 03/08/2023 CL
 PRINTED: 03/08/2023 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 03/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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