



BARGE "KIRBY 29701B"

INNAGE TRIM TABLE

	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	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8
1 STBD	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8
2 PORT	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-1/4	- 01-1/4
2 STBD	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-1/4	- 01-1/4
3 PORT	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	00-3/8	- 00-3/8
3 STBD	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	00-3/8	- 00-3/8

(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 - 00-1/2"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 1/2"

LENGTH BETWEEN DRAFT MARKS: 276'-00"

May 15, 2014

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29701B"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-02 1/2"

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	23.13	0	394.45	0	775.09	0	1,166.65	0	1,559.42	0	1,952.24	0	2,345.14	0	2,738.05	0	3,130.96	0	3,523.87
1/4	28.59	1/4	402.63	1/4	782.96	1/4	1,174.83	1/4	1,567.60	1/4	1,960.42	1/4	2,353.32	1/4	2,746.23	1/4	3,139.14	1/4	3,532.05
1/2	34.05	1/2	410.81	1/2	790.82	1/2	1,183.02	1/2	1,575.79	1/2	1,968.60	1/2	2,361.51	1/2	2,754.42	1/2	3,147.33	1/2	3,540.24
3/4	39.51	3/4	418.98	3/4	798.69	3/4	1,191.20	3/4	1,583.97	3/4	1,976.79	3/4	2,369.69	3/4	2,762.60	3/4	3,155.51	3/4	3,548.42
1	44.97	1	427.16	1	806.55	1	1,199.38	1	1,592.16	1	1,984.97	1	2,377.88	1	2,770.79	1	3,163.70	1	3,556.61
1/4	52.09	1/4	435.34	1/4	814.74	1/4	1,207.56	1/4	1,600.34	1/4	1,993.16	1/4	2,386.06	1/4	2,778.97	1/4	3,171.88	1/4	3,564.79
1/2	59.21	1/2	443.52	1/2	822.92	1/2	1,215.75	1/2	1,608.53	1/2	2,001.34	1/2	2,394.25	1/2	2,787.16	1/2	3,180.07	1/2	3,572.98
3/4	66.33	3/4	451.70	3/4	831.11	3/4	1,223.93	3/4	1,616.71	3/4	2,009.53	3/4	2,402.43	3/4	2,795.34	3/4	3,188.25	3/4	3,581.16
2	73.45	2	459.88	2	839.29	2	1,232.11	2	1,624.90	2	2,017.72	2	2,410.62	2	2,803.53	2	3,196.44	2	3,589.35
1/4	81.21	1/4	468.06	1/4	847.48	1/4	1,240.29	1/4	1,633.09	1/4	2,025.90	1/4	2,418.81	1/4	2,811.72	1/4	3,204.62	1/4	3,597.53
1/2	88.96	1/2	476.24	1/2	855.67	1/2	1,248.48	1/2	1,641.27	1/2	2,034.09	1/2	2,426.99	1/2	2,819.90	1/2	3,212.81	1/2	3,605.72
3/4	96.72	3/4	484.41	3/4	863.85	3/4	1,256.66	3/4	1,649.46	3/4	2,042.27	3/4	2,435.18	3/4	2,828.09	3/4	3,220.99	3/4	3,613.90
3	104.47	3	492.59	3	872.04	3	1,264.84	3	1,657.65	3	2,050.46	3	2,443.37	3	2,836.28	3	3,229.18	3	3,622.09
1/4	112.23	1/4	500.77	1/4	880.22	1/4	1,273.02	1/4	1,665.83	1/4	2,058.64	1/4	2,451.55	1/4	2,844.46	1/4	3,237.37	1/4	3,630.28
1/2	119.98	1/2	508.95	1/2	888.41	1/2	1,281.21	1/2	1,674.02	1/2	2,066.83	1/2	2,459.74	1/2	2,852.65	1/2	3,245.55	1/2	3,638.46
3/4	127.74	3/4	517.12	3/4	896.59	3/4	1,289.39	3/4	1,682.20	3/4	2,075.01	3/4	2,467.92	3/4	2,860.83	3/4	3,253.74	3/4	3,646.65
4	135.49	4	525.30	4	904.78	4	1,297.57	4	1,690.39	4	2,083.20	4	2,476.11	4	2,869.02	4	3,261.93	4	3,654.84
1/4	143.25	1/4	533.48	1/4	912.96	1/4	1,305.75	1/4	1,698.57	1/4	2,091.38	1/4	2,484.29	1/4	2,877.20	1/4	3,270.11	1/4	3,663.02
1/2	151.00	1/2	541.66	1/2	921.14	1/2	1,313.94	1/2	1,706.76	1/2	2,099.57	1/2	2,492.48	1/2	2,885.39	1/2	3,278.30	1/2	3,671.21
3/4	158.76	3/4	549.84	3/4	929.33	3/4	1,322.12	3/4	1,714.94	3/4	2,107.75	3/4	2,500.66	3/4	2,893.57	3/4	3,286.48	3/4	3,679.39
5	166.51	5	558.02	5	937.51	5	1,330.30	5	1,723.13	5	2,115.94	5	2,508.85	5	2,901.76	5	3,294.67	5	3,687.58
1/4	174.43	1/4	566.10	1/4	945.69	1/4	1,338.48	1/4	1,731.32	1/4	2,124.12	1/4	2,517.03	1/4	2,909.94	1/4	3,302.85	1/4	3,695.76
1/2	182.34	1/2	574.19	1/2	953.88	1/2	1,346.67	1/2	1,739.50	1/2	2,132.31	1/2	2,525.22	1/2	2,918.13	1/2	3,311.04	1/2	3,703.95
3/4	190.26	3/4	582.27	3/4	962.06	3/4	1,354.85	3/4	1,747.69	3/4	2,140.49	3/4	2,533.40	3/4	2,926.31	3/4	3,319.22	3/4	3,712.13
6	198.17	6	590.35	6	970.25	6	1,363.03	6	1,755.88	6	2,148.68	6	2,541.59	6	2,934.50	6	3,327.41	6	3,720.32
1/4	206.35	1/4	598.18	1/4	978.43	1/4	1,371.21	1/4	1,764.06	1/4	2,156.87	1/4	2,549.78	1/4	2,942.68	1/4	3,335.59	1/4	3,728.50
1/2	214.53	1/2	606.01	1/2	986.61	1/2	1,379.39	1/2	1,772.24	1/2	2,165.05	1/2	2,557.96	1/2	2,950.87	1/2	3,343.78	1/2	3,736.69
3/4	222.70	3/4	613.84	3/4	994.80	3/4	1,387.58	3/4	1,780.43	3/4	2,173.24	3/4	2,566.15	3/4	2,959.05	3/4	3,351.96	3/4	3,744.87
7	230.88	7	621.67	7	1,002.98	7	1,395.76	7	1,788.61	7	2,181.43	7	2,574.34	7	2,967.24	7	3,360.15	7	3,753.06
1/4	239.06	1/4	629.34	1/4	1,011.17	1/4	1,403.94	1/4	1,796.79	1/4	2,189.61	1/4	2,582.52	1/4	2,975.43	1/4	3,368.34	1/4	3,761.24
1/2	247.24	1/2	637.01	1/2	1,019.35	1/2	1,412.12	1/2	1,804.97	1/2	2,197.80	1/2	2,590.71	1/2	2,983.61	1/2	3,376.52	1/2	3,769.43
3/4	255.41	3/4	644.68	3/4	1,027.54	3/4	1,420.30	3/4	1,813.16	3/4	2,205.98	3/4	2,598.89	3/4	2,991.80	3/4	3,384.71	3/4	3,777.61
8	263.59	8	652.35	8	1,035.72	8	1,428.48	8	1,821.34	8	2,214.17	8	2,607.08	8	2,999.99	8	3,392.90	8	3,785.80
1/4	271.77	1/4	660.02	1/4	1,043.90	1/4	1,436.66	1/4	1,829.52	1/4	2,222.35	1/4	2,615.26	1/4	3,008.17	1/4	3,401.08	1/4	3,793.99
1/2	279.95	1/2	667.70	1/2	1,052.09	1/2	1,444.84	1/2	1,837.70	1/2	2,230.54	1/2	2,623.45	1/2	3,016.36	1/2	3,409.27	1/2	3,802.17
3/4	288.13	3/4	675.37	3/4	1,060.27	3/4	1,453.03	3/4	1,845.88	3/4	2,238.72	3/4	2,631.63	3/4	3,024.54	3/4	3,417.45	3/4	3,810.36
9	296.31	9	683.04	9	1,068.45	9	1,461.21	9	1,854.06	9	2,246.91	9	2,639.82	9	3,032.73	9	3,425.64	9	3,818.55
1/4	304.49	1/4	690.71	1/4	1,076.64	1/4	1,469.39	1/4	1,862.24	1/4	2,255.09	1/4	2,648.00	1/4	3,040.91	1/4	3,433.82	1/4	3,826.73
1/2	312.67	1/2	698.38	1/2	1,084.82	1/2	1,477.57	1/2	1,870.42	1/2	2,263.28	1/2	2,656.19	1/2	3,049.10	1/2	3,442.01	1/2	3,834.92
3/4	320.84	3/4	706.05	3/4	1,093.01	3/4	1,485.76	3/4	1,878.61	3/4	2,271.46	3/4	2,664.37	3/4	3,057.28	3/4	3,450.19	3/4	3,843.10
10	329.02	10	713.72	10	1,101.19	10	1,493.94	10	1,886.79	10	2,279.65	10	2,672.56	10	3,065.47	10	3,458.38	10	3,851.29
1/4	337.20	1/4	721.39	1/4	1,109.37	1/4	1,502.12	1/4	1,894.97	1/4	2,287.84	1/4	2,680.75	1/4	3,073.65	1/4	3,466.56	1/4	3,859.47
1/2	345.38	1/2	729.07	1/2	1,117.56	1/2	1,510.31	1/2	1,903.15	1/2	2,296.02	1/2	2,688.93	1/2	3,081.84	1/2	3,474.75	1/2	3,867.66
3/4	353.56	3/4	736.74	3/4	1,125.74	3/4	1,518.49	3/4	1,911.34	3/4	2,304.21	3/4	2,697.12	3/4	3,090.02	3/4	3,482.93	3/4	3,875.84
11	361.74	11	744.41	11	1,133.92	11	1,526.68	11	1,919.52	11	2,312.40	11	2,705.31	11	3,098.21	11	3,491.12	11	3,884.03
1/4	369.92	1/4	752.08	1/4	1,142.10	1/4	1,534.86	1/4	1,927.70	1/4	2,320.58	1/4	2,713.49	1/4	3,106.40	1/4	3,499.31	1/4	3,892.21
1/2	378.10	1/2	759.75	1/2	1,150.29	1/2	1,543.05	1/2	1,935.88	1/2	2,328.77	1/2	2,721.68	1/2	3,114.58	1/2	3,507.49	1/2	3,900.40
3/4	386.27	3/4	767.42	3/4	1,158.47	3/4	1,551.23	3/4	1,944.06	3/4	2,336.95	3/4	2,729.86	3/4	3,122.77	3/4	3,515.68	3/4	3,908.58

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 UNDERSIDE OF DECK AT GAUGE POINT

GAUGE POINT: (2" GAUGE PIPE) LOCATED 11'-03" OFF CENTERLINE AND 43'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

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<http://www.pmacorp.net>



BARGE "KIRBY 29701B"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-02 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	3,916.77	0	4,309.68	0	4,701.24	0	5,091.59	0		0		0		0		0		0	
1/4	3,924.96	1/4	4,317.87	1/4	4,709.37	1/4	5,099.70	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,933.14	1/2	4,326.05	1/2	4,717.50	1/2	5,107.81	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,941.33	3/4	4,334.24	3/4	4,725.64	3/4	5,115.93	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,949.52	1	4,342.43	1	4,733.77	1	5,124.04	1		1		1		1		1		1	
1/4	3,957.70	1/4	4,350.61	1/4	4,741.90	1/4	5,132.12	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,965.89	1/2	4,358.80	1/2	4,750.03	1/2	5,140.19	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,974.07	3/4	4,366.98	3/4	4,758.17	3/4	5,148.27	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,982.26	2	4,375.17	2	4,766.30	2	5,156.35	2		2		2		2		2		2	
1/4	3,990.44	1/4	4,383.35	1/4	4,774.43	1/4	5,164.43	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,998.63	1/2	4,391.54	1/2	4,782.56	1/2	5,172.51	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	4,006.81	3/4	4,399.72	3/4	4,790.70	3/4	5,180.59	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	4,015.00	3	4,407.91	3	4,798.83	3	5,188.67	3		3		3		3		3		3	
1/4	4,023.18	1/4	4,416.09	1/4	4,806.96	1/4	5,196.75	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	4,031.37	1/2	4,424.28	1/2	4,815.09	1/2	5,204.82	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	4,039.55	3/4	4,432.46	3/4	4,823.23	3/4	5,212.90	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4,047.74	4	4,440.65	4	4,831.36	4	5,220.98	4		4		4		4		4		4	
1/4	4,055.93	1/4	4,448.84	1/4	4,839.49	1/4	5,229.06	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	4,064.11	1/2	4,457.02	1/2	4,847.62	1/2	5,237.14	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	4,072.30	3/4	4,465.21	3/4	4,855.76	3/4	5,245.22	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	4,080.49	5	4,473.40	5	4,863.89	5	5,253.30	5		5		5		5		5		5	
1/4	4,088.67	1/4	4,481.57	1/4	4,872.02	1/4	5,261.12	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	4,096.86	1/2	4,489.73	1/2	4,880.15	1/2	5,268.94	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	4,105.04	3/4	4,497.90	3/4	4,888.29	3/4	5,276.77	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	4,113.23	6	4,506.07	6	4,896.42	6	5,284.59	6		6		6		6		6		6	
1/4	4,121.41	1/4	4,514.20	1/4	4,904.55	1/4	5,291.47	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	4,129.60	1/2	4,522.33	1/2	4,912.68	1/2	5,298.36	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	4,137.78	3/4	4,530.46	3/4	4,920.81	3/4	5,305.24	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	4,145.97	7	4,538.59	7	4,928.94	7	5,312.13	7		7		7		7		7		7	
1/4	4,154.15	1/4	4,546.72	1/4	4,937.07	1/4	5,317.65	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	4,162.34	1/2	4,554.85	1/2	4,945.20	1/2	5,323.17	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	4,170.52	3/4	4,562.99	3/4	4,953.34	3/4	5,328.69	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	4,178.71	8	4,571.12	8	4,961.47	8	5,334.21	8		8		8		8		8		8	
1/4	4,186.90	1/4	4,579.25	1/4	4,969.60	1/4	5,338.37	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	4,195.08	1/2	4,587.38	1/2	4,977.73	1/2	5,342.52	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	4,203.27	3/4	4,595.52	3/4	4,985.87	3/4	5,344.60	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	4,211.46	9	4,603.65	9	4,994.00	9		9		9		9		9		9		9	
1/4	4,219.64	1/4	4,611.78	1/4	5,002.13	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	4,227.83	1/2	4,619.91	1/2	5,010.26	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	4,236.01	3/4	4,628.05	3/4	5,018.40	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	4,244.20	10	4,636.18	10	5,026.53	10		10		10		10		10		10		10	
1/4	4,252.38	1/4	4,644.31	1/4	5,034.66	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	4,260.57	1/2	4,652.44	1/2	5,042.79	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	4,268.75	3/4	4,660.58	3/4	5,050.93	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	4,276.94	11	4,668.71	11	5,059.06	11		11		11		11		11		11		11	
1/4	4,285.12	1/4	4,676.84	1/4	5,067.19	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	4,293.31	1/2	4,684.97	1/2	5,075.32	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	4,301.49	3/4	4,693.11	3/4	5,083.46	3/4		3/4	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: 07/24/2001 ITS
DECK MEASUREMENTS: 05/15/2014 SW
REPRINTED: 05/15/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2014

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



BARGE "KIRBY 29701B"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-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	23.07	0	393.56	0	773.34	0	1,164.04	0	1,556.01	0	1,947.45	0	2,339.43	0	2,731.47	0	3,123.52	0	3,515.56
1/4	28.52	1/4	401.72	1/4	781.19	1/4	1,172.21	1/4	1,564.18	1/4	1,955.60	1/4	2,347.60	1/4	2,739.64	1/4	3,131.69	1/4	3,523.73
1/2	33.97	1/2	409.88	1/2	789.03	1/2	1,180.37	1/2	1,572.35	1/2	1,963.75	1/2	2,355.77	1/2	2,747.81	1/2	3,139.86	1/2	3,531.90
3/4	39.41	3/4	418.04	3/4	796.88	3/4	1,188.54	3/4	1,580.51	3/4	1,971.90	3/4	2,363.93	3/4	2,755.97	3/4	3,148.02	3/4	3,540.06
1	44.86	1	426.20	1	804.72	1	1,196.70	1	1,588.68	1	1,980.05	1	2,372.10	1	2,764.14	1	3,156.19	1	3,548.23
1/4	51.97	1/4	434.36	1/4	812.89	1/4	1,204.87	1/4	1,596.85	1/4	1,988.22	1/4	2,380.27	1/4	2,772.31	1/4	3,164.36	1/4	3,556.40
1/2	59.07	1/2	442.52	1/2	821.06	1/2	1,213.04	1/2	1,605.02	1/2	1,996.39	1/2	2,388.44	1/2	2,780.48	1/2	3,172.53	1/2	3,564.57
3/4	66.18	3/4	450.68	3/4	829.23	3/4	1,221.20	3/4	1,613.18	3/4	2,004.55	3/4	2,396.60	3/4	2,788.64	3/4	3,180.69	3/4	3,572.73
2	73.28	2	458.84	2	837.40	2	1,229.37	2	1,621.35	2	2,012.72	2	2,404.77	2	2,796.81	2	3,188.86	2	3,580.90
1/4	81.02	1/4	467.00	1/4	845.57	1/4	1,237.54	1/4	1,629.52	1/4	2,020.89	1/4	2,412.94	1/4	2,804.98	1/4	3,197.03	1/4	3,589.07
1/2	88.76	1/2	475.16	1/2	853.74	1/2	1,245.70	1/2	1,637.69	1/2	2,029.06	1/2	2,421.11	1/2	2,813.15	1/2	3,205.20	1/2	3,597.24
3/4	96.49	3/4	483.32	3/4	861.90	3/4	1,253.87	3/4	1,645.85	3/4	2,037.23	3/4	2,429.27	3/4	2,821.31	3/4	3,213.36	3/4	3,605.40
3	104.23	3	491.48	3	870.07	3	1,262.03	3	1,654.02	3	2,045.40	3	2,437.44	3	2,829.48	3	3,221.53	3	3,613.57
1/4	111.97	1/4	499.64	1/4	878.24	1/4	1,270.20	1/4	1,662.19	1/4	2,053.57	1/4	2,445.61	1/4	2,837.65	1/4	3,229.70	1/4	3,621.74
1/2	119.71	1/2	507.80	1/2	886.40	1/2	1,278.36	1/2	1,670.36	1/2	2,061.74	1/2	2,453.78	1/2	2,845.82	1/2	3,237.87	1/2	3,629.91
3/4	127.44	3/4	515.96	3/4	894.57	3/4	1,286.53	3/4	1,678.52	3/4	2,069.90	3/4	2,461.94	3/4	2,853.99	3/4	3,246.03	3/4	3,638.07
4	135.18	4	524.12	4	902.73	4	1,294.69	4	1,686.69	4	2,078.07	4	2,470.11	4	2,862.16	4	3,254.20	4	3,646.24
1/4	142.92	1/4	532.28	1/4	910.90	1/4	1,302.86	1/4	1,694.86	1/4	2,086.24	1/4	2,478.28	1/4	2,870.33	1/4	3,262.37	1/4	3,654.41
1/2	150.65	1/2	540.45	1/2	919.07	1/2	1,311.03	1/2	1,703.03	1/2	2,094.41	1/2	2,486.45	1/2	2,878.50	1/2	3,270.54	1/2	3,662.58
3/4	158.39	3/4	548.61	3/4	927.23	3/4	1,319.19	3/4	1,711.19	3/4	2,102.57	3/4	2,494.61	3/4	2,886.66	3/4	3,278.70	3/4	3,670.75
5	166.12	5	556.77	5	935.40	5	1,327.36	5	1,719.36	5	2,110.74	5	2,502.78	5	2,894.83	5	3,286.87	5	3,678.92
1/4	174.02	1/4	564.84	1/4	943.57	1/4	1,335.53	1/4	1,727.53	1/4	2,118.91	1/4	2,510.95	1/4	2,903.00	1/4	3,295.04	1/4	3,687.09
1/2	181.92	1/2	572.90	1/2	951.73	1/2	1,343.69	1/2	1,735.70	1/2	2,127.08	1/2	2,519.12	1/2	2,911.17	1/2	3,303.21	1/2	3,695.26
3/4	189.81	3/4	580.97	3/4	959.90	3/4	1,351.86	3/4	1,743.86	3/4	2,135.24	3/4	2,527.28	3/4	2,919.33	3/4	3,311.37	3/4	3,703.42
6	197.71	6	589.03	6	968.06	6	1,360.02	6	1,752.03	6	2,143.41	6	2,535.45	6	2,927.50	6	3,319.54	6	3,711.59
1/4	205.87	1/4	596.84	1/4	976.23	1/4	1,368.19	1/4	1,760.19	1/4	2,151.58	1/4	2,543.62	1/4	2,935.67	1/4	3,327.71	1/4	3,719.76
1/2	214.03	1/2	604.65	1/2	984.39	1/2	1,376.35	1/2	1,768.35	1/2	2,159.75	1/2	2,551.79	1/2	2,943.84	1/2	3,335.88	1/2	3,727.93
3/4	222.19	3/4	612.46	3/4	992.56	3/4	1,384.52	3/4	1,776.50	3/4	2,167.91	3/4	2,559.95	3/4	2,952.00	3/4	3,344.04	3/4	3,736.09
7	230.35	7	620.27	7	1,000.72	7	1,392.68	7	1,784.66	7	2,176.08	7	2,568.12	7	2,960.17	7	3,352.21	7	3,744.26
1/4	238.51	1/4	627.93	1/4	1,008.89	1/4	1,400.85	1/4	1,792.80	1/4	2,184.25	1/4	2,576.29	1/4	2,968.34	1/4	3,360.38	1/4	3,752.43
1/2	246.67	1/2	635.58	1/2	1,017.06	1/2	1,409.01	1/2	1,800.94	1/2	2,192.42	1/2	2,584.46	1/2	2,976.51	1/2	3,368.55	1/2	3,760.60
3/4	254.83	3/4	643.24	3/4	1,025.22	3/4	1,417.18	3/4	1,809.08	3/4	2,200.58	3/4	2,592.62	3/4	2,984.67	3/4	3,376.71	3/4	3,768.76
8	262.99	8	650.89	8	1,033.39	8	1,425.34	8	1,817.22	8	2,208.75	8	2,600.79	8	2,992.84	8	3,384.88	8	3,776.93
1/4	271.15	1/4	658.54	1/4	1,041.56	1/4	1,433.51	1/4	1,825.36	1/4	2,216.92	1/4	2,608.96	1/4	3,001.01	1/4	3,393.05	1/4	3,785.10
1/2	279.31	1/2	666.20	1/2	1,049.72	1/2	1,441.68	1/2	1,833.50	1/2	2,225.09	1/2	2,617.13	1/2	3,009.18	1/2	3,401.22	1/2	3,793.27
3/4	287.47	3/4	673.85	3/4	1,057.89	3/4	1,449.84	3/4	1,841.64	3/4	2,233.25	3/4	2,625.29	3/4	3,017.34	3/4	3,409.38	3/4	3,801.43
9	295.63	9	681.50	9	1,066.05	9	1,458.01	9	1,849.78	9	2,241.42	9	2,633.46	9	3,025.51	9	3,417.55	9	3,809.60
1/4	303.79	1/4	689.15	1/4	1,074.22	1/4	1,466.18	1/4	1,857.92	1/4	2,249.59	1/4	2,641.63	1/4	3,033.68	1/4	3,425.72	1/4	3,817.77
1/2	311.95	1/2	696.81	1/2	1,082.38	1/2	1,474.34	1/2	1,866.06	1/2	2,257.76	1/2	2,649.80	1/2	3,041.85	1/2	3,433.89	1/2	3,825.94
3/4	320.11	3/4	704.46	3/4	1,090.55	3/4	1,482.51	3/4	1,874.20	3/4	2,265.92	3/4	2,657.96	3/4	3,050.01	3/4	3,442.05	3/4	3,834.10
10	328.27	10	712.11	10	1,098.71	10	1,490.67	10	1,882.34	10	2,274.09	10	2,666.13	10	3,058.18	10	3,450.22	10	3,842.27
1/4	336.43	1/4	719.77	1/4	1,106.88	1/4	1,498.84	1/4	1,890.48	1/4	2,282.26	1/4	2,674.30	1/4	3,066.35	1/4	3,458.39	1/4	3,850.44
1/2	344.60	1/2	727.42	1/2	1,115.04	1/2	1,507.01	1/2	1,898.62	1/2	2,290.43	1/2	2,682.47	1/2	3,074.52	1/2	3,466.56	1/2	3,858.61
3/4	352.76	3/4	735.08	3/4	1,123.21	3/4	1,515.17	3/4	1,906.76	3/4	2,298.59	3/4	2,690.63	3/4	3,082.68	3/4	3,474.72	3/4	3,866.77
11	360.92	11	742.73	11	1,131.37	11	1,523.34	11	1,914.90	11	2,306.76	11	2,698.80	11	3,090.85	11	3,482.89	11	3,874.94
1/4	369.08	1/4	750.38	1/4	1,139.54	1/4	1,531.51	1/4	1,923.04	1/4	2,314.93	1/4	2,706.97	1/4	3,099.02	1/4	3,491.06	1/4	3,883.11
1/2	377.24	1/2	758.04	1/2	1,147.71	1/2	1,539.68	1/2	1,931.18	1/2	2,323.10	1/2	2,715.14	1/2	3,107.19	1/2	3,499.23	1/2	3,891.28
3/4	385.40	3/4	765.69	3/4	1,155.87	3/4	1,547.84	3/4	1,939.31	3/4	2,331.26	3/4	2,723.30	3/4	3,115.35	3/4	3,507.39	3/4	3,899.44

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO UNDERSIDE OF DECK AT GAUGE POINT

GAUGE POINT: (2" GAUGE PIPE) LOCATED 11'-03" OFF CENTERLINE AND 43'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29701B"

1 STBD
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-03 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,907.61	0	4,299.65	0	4,690.34	0	5,079.82	0		0		0		0		0		0	
1/4	3,915.78	1/4	4,307.82	1/4	4,698.45	1/4	5,087.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,923.95	1/2	4,315.99	1/2	4,706.57	1/2	5,096.01	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,932.11	3/4	4,324.15	3/4	4,714.68	3/4	5,104.11	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,940.28	1	4,332.32	1	4,722.80	1	5,112.21	1		1		1		1		1		1	
1/4	3,948.45	1/4	4,340.49	1/4	4,730.91	1/4	5,120.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,956.62	1/2	4,348.65	1/2	4,739.03	1/2	5,128.33	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,964.78	3/4	4,356.82	3/4	4,747.14	3/4	5,136.39	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,972.95	2	4,364.99	2	4,755.26	2	5,144.45	2		2		2		2		2		2	
1/4	3,981.12	1/4	4,373.16	1/4	4,763.37	1/4	5,152.51	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,989.29	1/2	4,381.32	1/2	4,771.48	1/2	5,160.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,997.45	3/4	4,389.49	3/4	4,779.60	3/4	5,168.63	3/4		3/4		3/4		3/4		3/4		3/4	
3	4,005.62	3	4,397.66	3	4,787.71	3	5,176.69	3		3		3		3		3		3	
1/4	4,013.79	1/4	4,405.83	1/4	4,795.82	1/4	5,184.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,021.96	1/2	4,413.99	1/2	4,803.94	1/2	5,192.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,030.12	3/4	4,422.16	3/4	4,812.05	3/4	5,200.87	3/4		3/4		3/4		3/4		3/4		3/4	
4	4,038.29	4	4,430.33	4	4,820.17	4	5,208.93	4		4		4		4		4		4	
1/4	4,046.46	1/4	4,438.50	1/4	4,828.28	1/4	5,216.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,054.63	1/2	4,446.66	1/2	4,836.40	1/2	5,225.05	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,062.79	3/4	4,454.83	3/4	4,844.51	3/4	5,233.12	3/4		3/4		3/4		3/4		3/4		3/4	
5	4,070.96	5	4,463.00	5	4,852.63	5	5,241.18	5		5		5		5		5		5	
1/4	4,079.13	1/4	4,471.15	1/4	4,860.74	1/4	5,249.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,087.30	1/2	4,479.30	1/2	4,868.85	1/2	5,256.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,095.46	3/4	4,487.45	3/4	4,876.97	3/4	5,264.59	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,103.63	6	4,495.60	6	4,885.08	6	5,272.40	6		6		6		6		6		6	
1/4	4,111.80	1/4	4,503.71	1/4	4,893.19	1/4	5,279.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,119.97	1/2	4,511.83	1/2	4,901.31	1/2	5,286.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,128.13	3/4	4,519.94	3/4	4,909.42	3/4	5,293.01	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,136.30	7	4,528.06	7	4,917.54	7	5,299.88	7		7		7		7		7		7	
1/4	4,144.47	1/4	4,536.17	1/4	4,925.65	1/4	5,305.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,152.64	1/2	4,544.29	1/2	4,933.77	1/2	5,310.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,160.80	3/4	4,552.40	3/4	4,941.88	3/4	5,316.40	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,168.97	8	4,560.52	8	4,950.00	8	5,321.91	8		8		8		8		8		8	
1/4	4,177.14	1/4	4,568.63	1/4	4,958.11	1/4	5,326.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,185.31	1/2	4,576.74	1/2	4,966.22	1/2	5,330.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,193.47	3/4	4,584.86	3/4	4,974.34	3/4	5,334.35	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,201.64	9	4,592.97	9	4,982.45	87/8	5,336.42	9		9		9		9		9		9	
1/4	4,209.81	1/4	4,601.08	1/4	4,990.56			1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,217.98	1/2	4,609.20	1/2	4,998.68			1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,226.14	3/4	4,617.31	3/4	5,006.79			3/4		3/4		3/4		3/4		3/4		3/4	
10	4,234.31	10	4,625.43	10	5,014.91	10		10		10		10		10		10		10	
1/4	4,242.48	1/4	4,633.54	1/4	5,023.02	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,250.65	1/2	4,641.66	1/2	5,031.14	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,258.81	3/4	4,649.77	3/4	5,039.25	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,266.98	11	4,657.89	11	5,047.37	11		11		11		11		11		11		11	
1/4	4,275.15	1/4	4,666.00	1/4	5,055.48	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,283.32	1/2	4,674.11	1/2	5,063.59	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,291.48	3/4	4,682.23	3/4	5,071.71	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/24/2001 ITS
DECK MEASUREMENTS: 05/15/2014 SW
REPRINTED: 05/15/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 29701B"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-02 1/2"

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	22.67	0	386.78	0	759.98	0	1,144.10	0	1,529.42	0	1,914.25	0	2,299.66	0	2,685.13	0	3,070.61	0	3,456.09
1/4	28.02	1/4	394.80	1/4	767.69	1/4	1,152.13	1/4	1,537.45	1/4	1,922.26	1/4	2,307.69	1/4	2,693.16	1/4	3,078.64	1/4	3,464.12
1/2	33.37	1/2	402.83	1/2	775.40	1/2	1,160.16	1/2	1,545.49	1/2	1,930.28	1/2	2,315.72	1/2	2,701.20	1/2	3,086.68	1/2	3,472.15
3/4	38.72	3/4	410.85	3/4	783.11	3/4	1,168.18	3/4	1,553.52	3/4	1,938.29	3/4	2,323.75	3/4	2,709.23	3/4	3,094.71	3/4	3,480.18
1	44.07	1	418.87	1	790.82	1	1,176.21	1	1,561.55	1	1,946.30	1	2,331.78	1	2,717.26	1	3,102.74	1	3,488.21
1/4	51.05	1/4	426.89	1/4	798.85	1/4	1,184.24	1/4	1,569.58	1/4	1,954.33	1/4	2,339.81	1/4	2,725.29	1/4	3,110.77	1/4	3,496.24
1/2	58.03	1/2	434.92	1/2	806.88	1/2	1,192.27	1/2	1,577.61	1/2	1,962.36	1/2	2,347.84	1/2	2,733.32	1/2	3,118.80	1/2	3,504.28
3/4	65.00	3/4	442.94	3/4	814.91	3/4	1,200.29	3/4	1,585.64	3/4	1,970.39	3/4	2,355.87	3/4	2,741.35	3/4	3,126.83	3/4	3,512.31
2	71.98	2	450.96	2	822.94	2	1,208.32	2	1,593.67	2	1,978.42	2	2,363.90	2	2,749.38	2	3,134.86	2	3,520.34
1/4	79.58	1/4	458.98	1/4	830.97	1/4	1,216.35	1/4	1,601.70	1/4	1,986.45	1/4	2,371.93	1/4	2,757.41	1/4	3,142.89	1/4	3,528.37
1/2	87.18	1/2	467.01	1/2	839.00	1/2	1,224.38	1/2	1,609.73	1/2	1,994.49	1/2	2,379.97	1/2	2,765.44	1/2	3,150.92	1/2	3,536.40
3/4	94.78	3/4	475.03	3/4	847.04	3/4	1,232.40	3/4	1,617.76	3/4	2,002.52	3/4	2,388.00	3/4	2,773.47	3/4	3,158.95	3/4	3,544.43
3	102.38	3	483.06	3	855.07	3	1,240.43	3	1,625.79	3	2,010.55	3	2,396.03	3	2,781.50	3	3,166.98	3	3,552.46
1/4	109.98	1/4	491.08	1/4	863.10	1/4	1,248.46	1/4	1,633.82	1/4	2,018.58	1/4	2,404.06	1/4	2,789.53	1/4	3,175.01	1/4	3,560.49
1/2	117.58	1/2	499.10	1/2	871.13	1/2	1,256.49	1/2	1,641.86	1/2	2,026.61	1/2	2,412.09	1/2	2,797.57	1/2	3,183.05	1/2	3,568.52
3/4	125.18	3/4	507.13	3/4	879.16	3/4	1,264.51	3/4	1,649.89	3/4	2,034.64	3/4	2,420.12	3/4	2,805.60	3/4	3,191.08	3/4	3,576.55
4	132.78	4	515.15	4	887.19	4	1,272.54	4	1,657.92	4	2,042.67	4	2,428.15	4	2,813.63	4	3,199.11	4	3,584.58
1/4	140.38	1/4	523.17	1/4	895.22	1/4	1,280.57	1/4	1,665.95	1/4	2,050.70	1/4	2,436.18	1/4	2,821.66	1/4	3,207.14	1/4	3,592.61
1/2	147.98	1/2	531.19	1/2	903.24	1/2	1,288.60	1/2	1,673.98	1/2	2,058.73	1/2	2,444.21	1/2	2,829.69	1/2	3,215.17	1/2	3,600.65
3/4	155.58	3/4	539.22	3/4	911.27	3/4	1,296.62	3/4	1,682.01	3/4	2,066.76	3/4	2,452.24	3/4	2,837.72	3/4	3,223.20	3/4	3,608.68
5	163.18	5	547.24	5	919.30	5	1,304.65	5	1,690.04	5	2,074.79	5	2,460.27	5	2,845.75	5	3,231.23	5	3,616.71
1/4	170.94	1/4	555.17	1/4	927.33	1/4	1,312.68	1/4	1,698.07	1/4	2,082.82	1/4	2,468.30	1/4	2,853.78	1/4	3,239.26	1/4	3,624.74
1/2	178.70	1/2	563.10	1/2	935.35	1/2	1,320.70	1/2	1,706.10	1/2	2,090.86	1/2	2,476.34	1/2	2,861.81	1/2	3,247.29	1/2	3,632.77
3/4	186.45	3/4	571.03	3/4	943.38	3/4	1,328.73	3/4	1,714.13	3/4	2,098.89	3/4	2,484.37	3/4	2,869.84	3/4	3,255.32	3/4	3,640.80
6	194.21	6	578.96	6	951.41	6	1,336.75	6	1,722.16	6	2,106.92	6	2,492.40	6	2,877.87	6	3,263.35	6	3,648.83
1/4	202.24	1/4	586.63	1/4	959.44	1/4	1,344.78	1/4	1,730.18	1/4	2,114.95	1/4	2,500.43	1/4	2,885.90	1/4	3,271.38	1/4	3,656.86
1/2	210.26	1/2	594.31	1/2	967.47	1/2	1,352.81	1/2	1,738.20	1/2	2,122.98	1/2	2,508.46	1/2	2,893.94	1/2	3,279.42	1/2	3,664.89
3/4	218.29	3/4	601.98	3/4	975.50	3/4	1,360.83	3/4	1,746.22	3/4	2,131.01	3/4	2,516.49	3/4	2,901.97	3/4	3,287.45	3/4	3,672.92
7	226.31	7	609.66	7	983.53	7	1,368.86	7	1,754.24	7	2,139.04	7	2,524.52	7	2,910.00	7	3,295.48	7	3,680.95
1/4	234.33	1/4	617.17	1/4	991.56	1/4	1,376.89	1/4	1,762.24	1/4	2,147.07	1/4	2,532.55	1/4	2,918.03	1/4	3,303.51	1/4	3,688.98
1/2	242.36	1/2	624.69	1/2	999.58	1/2	1,384.92	1/2	1,770.24	1/2	2,155.10	1/2	2,540.58	1/2	2,926.06	1/2	3,311.54	1/2	3,697.02
3/4	250.38	3/4	632.20	3/4	1,007.61	3/4	1,392.94	3/4	1,778.24	3/4	2,163.13	3/4	2,548.61	3/4	2,934.09	3/4	3,319.57	3/4	3,705.05
8	258.40	8	639.72	8	1,015.64	8	1,400.97	8	1,786.24	8	2,171.16	8	2,556.64	8	2,942.12	8	3,327.60	8	3,713.08
1/4	266.43	1/4	647.24	1/4	1,023.67	1/4	1,409.00	1/4	1,794.24	1/4	2,179.19	1/4	2,564.67	1/4	2,950.15	1/4	3,335.63	1/4	3,721.11
1/2	274.45	1/2	654.75	1/2	1,031.70	1/2	1,417.03	1/2	1,802.25	1/2	2,187.23	1/2	2,572.71	1/2	2,958.18	1/2	3,343.66	1/2	3,729.14
3/4	282.48	3/4	662.27	3/4	1,039.73	3/4	1,425.05	3/4	1,810.25	3/4	2,195.26	3/4	2,580.74	3/4	2,966.21	3/4	3,351.69	3/4	3,737.17
9	290.50	9	669.79	9	1,047.76	9	1,433.08	9	1,818.25	9	2,203.29	9	2,588.77	9	2,974.24	9	3,359.72	9	3,745.20
1/4	298.52	1/4	677.30	1/4	1,055.79	1/4	1,441.11	1/4	1,826.25	1/4	2,211.32	1/4	2,596.80	1/4	2,982.27	1/4	3,367.75	1/4	3,753.23
1/2	306.55	1/2	684.82	1/2	1,063.82	1/2	1,449.14	1/2	1,834.25	1/2	2,219.35	1/2	2,604.83	1/2	2,990.31	1/2	3,375.79	1/2	3,761.26
3/4	314.57	3/4	692.33	3/4	1,071.84	3/4	1,457.16	3/4	1,842.25	3/4	2,227.38	3/4	2,612.86	3/4	2,998.34	3/4	3,383.82	3/4	3,769.29
10	322.59	10	699.85	10	1,079.87	10	1,465.19	10	1,850.25	10	2,235.41	10	2,620.89	10	3,006.37	10	3,391.85	10	3,777.32
1/4	330.61	1/4	707.37	1/4	1,087.90	1/4	1,473.22	1/4	1,858.25	1/4	2,243.44	1/4	2,628.92	1/4	3,014.40	1/4	3,399.88	1/4	3,785.35
1/2	338.64	1/2	714.88	1/2	1,095.93	1/2	1,481.25	1/2	1,866.25	1/2	2,251.47	1/2	2,636.95	1/2	3,022.43	1/2	3,407.91	1/2	3,793.39
3/4	346.66	3/4	722.40	3/4	1,103.96	3/4	1,489.27	3/4	1,874.25	3/4	2,259.50	3/4	2,644.98	3/4	3,030.46	3/4	3,415.94	3/4	3,801.42
11	354.68	11	729.92	11	1,111.99	11	1,497.30	11	1,882.25	11	2,267.53	11	2,653.01	11	3,038.49	11	3,423.97	11	3,809.45
1/4	362.71	1/4	737.43	1/4	1,120.02	1/4	1,505.33	1/4	1,890.25	1/4	2,275.56	1/4	2,661.04	1/4	3,046.52	1/4	3,432.00	1/4	3,817.48
1/2	370.73	1/2	744.95	1/2	1,128.05	1/2	1,513.36	1/2	1,898.25	1/2	2,283.60	1/2	2,669.07	1/2	3,054.55	1/2	3,440.03	1/2	3,825.51
3/4	378.76	3/4	752.46	3/4	1,136.07	3/4	1,521.39	3/4	1,906.25	3/4	2,291.63	3/4	2,677.10	3/4	3,062.58	3/4	3,448.06	3/4	3,833.54

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 UNDERSIDE OF DECK AT GAUGE POINT

GAUGE POINT: (2" GAUGE PIPE) LOCATED 11'-03" 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 29701B"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-02 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	3,841.57	0	4,227.05	0	4,611.16	0	4,994.07	0		0		0		0		0		0	
1/4	3,849.60	1/4	4,235.08	1/4	4,619.14	1/4	5,002.03	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,857.63	1/2	4,243.11	1/2	4,627.12	1/2	5,009.99	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,865.66	3/4	4,251.14	3/4	4,635.09	3/4	5,017.94	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,873.69	1	4,259.17	1	4,643.07	1	5,025.90	1		1		1		1		1		1	
1/4	3,881.72	1/4	4,267.20	1/4	4,651.05	1/4	5,033.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,889.76	1/2	4,275.23	1/2	4,659.03	1/2	5,041.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,897.79	3/4	4,283.26	3/4	4,667.00	3/4	5,049.68	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,905.82	2	4,291.29	2	4,674.98	2	5,057.60	2		2		2		2		2		2	
1/4	3,913.85	1/4	4,299.32	1/4	4,682.96	1/4	5,065.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,921.88	1/2	4,307.36	1/2	4,690.94	1/2	5,073.45	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,929.91	3/4	4,315.39	3/4	4,698.91	3/4	5,081.37	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,937.94	3	4,323.42	3	4,706.89	3	5,089.29	3		3		3		3		3		3	
1/4	3,945.97	1/4	4,331.45	1/4	4,714.87	1/4	5,097.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,954.00	1/2	4,339.48	1/2	4,722.85	1/2	5,105.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,962.03	3/4	4,347.51	3/4	4,730.82	3/4	5,113.07	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,970.06	4	4,355.54	4	4,738.80	4	5,120.99	4		4		4		4		4		4	
1/4	3,978.09	1/4	4,363.57	1/4	4,746.78	1/4	5,128.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,986.13	1/2	4,371.60	1/2	4,754.76	1/2	5,136.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,994.16	3/4	4,379.63	3/4	4,762.73	3/4	5,144.76	3/4		3/4		3/4		3/4		3/4		3/4	
5	4,002.19	5	4,387.66	5	4,770.71	5	5,152.68	5		5		5		5		5		5	
1/4	4,010.22	1/4	4,395.67	1/4	4,778.69	1/4	5,160.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,018.25	1/2	4,403.68	1/2	4,786.67	1/2	5,168.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,026.28	3/4	4,411.69	3/4	4,794.64	3/4	5,175.71	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,034.31	6	4,419.70	6	4,802.62	6	5,183.38	6		6		6		6		6		6	
1/4	4,042.34	1/4	4,427.68	1/4	4,810.60	1/4	5,190.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,050.37	1/2	4,435.66	1/2	4,818.57	1/2	5,196.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,058.40	3/4	4,443.63	3/4	4,826.55	3/4	5,203.64	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,066.43	7	4,451.61	7	4,834.52	7	5,210.39	7		7		7		7		7		7	
1/4	4,074.46	1/4	4,459.59	1/4	4,842.50	1/4	5,215.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,082.50	1/2	4,467.57	1/2	4,850.48	1/2	5,221.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,090.53	3/4	4,475.54	3/4	4,858.45	3/4	5,226.63	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,098.56	8	4,483.52	8	4,866.43	8	5,232.04	8		8		8		8		8		8	
1/4	4,106.59	1/4	4,491.50	1/4	4,874.41	1/4	5,236.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,114.62	1/2	4,499.48	1/2	4,882.39	1/2	5,240.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,122.65	3/4	4,507.45	3/4	4,890.36	3/4	5,244.27	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,130.68	9	4,515.43	9	4,898.34	9	5,248.35	9		9		9		9		9		9	
1/4	4,138.71	1/4	4,523.41	1/4	4,906.32	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,146.74	1/2	4,531.39	1/2	4,914.30	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,154.77	3/4	4,539.36	3/4	4,922.27	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	4,162.80	10	4,547.34	10	4,930.25	10		10		10		10		10		10		10	
1/4	4,170.83	1/4	4,555.32	1/4	4,938.23	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,178.87	1/2	4,563.30	1/2	4,946.21	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,186.90	3/4	4,571.27	3/4	4,954.18	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,194.93	11	4,579.25	11	4,962.16	11		11		11		11		11		11		11	
1/4	4,202.96	1/4	4,587.23	1/4	4,970.14	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,210.99	1/2	4,595.21	1/2	4,978.12	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,219.02	3/4	4,603.18	3/4	4,986.09	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/24/2001 ITS
DECK MEASUREMENTS: 05/15/2014 SW
REPRINTED: 05/15/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2014

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



BARGE "KIRBY 29701B"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-02 1/2"

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	22.63	0	386.09	0	758.62	0	1,142.07	0	1,526.73	0	1,910.89	0	2,295.62	0	2,680.43	0	3,065.23	0	3,450.04
1/4	27.97	1/4	394.10	1/4	766.32	1/4	1,150.09	1/4	1,534.75	1/4	1,918.89	1/4	2,303.64	1/4	2,688.45	1/4	3,073.25	1/4	3,458.06
1/2	33.31	1/2	402.11	1/2	774.02	1/2	1,158.10	1/2	1,542.77	1/2	1,926.89	1/2	2,311.66	1/2	2,696.46	1/2	3,081.26	1/2	3,466.07
3/4	38.65	3/4	410.12	3/4	781.71	3/4	1,166.12	3/4	1,550.78	3/4	1,934.88	3/4	2,319.67	3/4	2,704.48	3/4	3,089.28	3/4	3,474.09
1	43.99	1	418.13	1	789.41	1	1,174.13	1	1,558.80	1	1,942.88	1	2,327.69	1	2,712.49	1	3,097.30	1	3,482.11
1/4	50.96	1/4	426.14	1/4	797.43	1/4	1,182.14	1/4	1,566.82	1/4	1,950.90	1/4	2,335.71	1/4	2,720.51	1/4	3,105.32	1/4	3,490.12
1/2	57.92	1/2	434.15	1/2	805.44	1/2	1,190.16	1/2	1,574.83	1/2	1,958.92	1/2	2,343.73	1/2	2,728.53	1/2	3,113.33	1/2	3,498.14
3/4	64.89	3/4	442.15	3/4	813.46	3/4	1,198.17	3/4	1,582.85	3/4	1,966.93	3/4	2,351.74	3/4	2,736.54	3/4	3,121.35	3/4	3,506.15
2	71.85	2	450.16	2	821.47	2	1,206.18	2	1,590.86	2	1,974.95	2	2,359.76	2	2,744.56	2	3,129.37	2	3,514.17
1/4	79.44	1/4	458.17	1/4	829.49	1/4	1,214.19	1/4	1,598.88	1/4	1,982.97	1/4	2,367.78	1/4	2,752.58	1/4	3,137.39	1/4	3,522.19
1/2	87.02	1/2	466.18	1/2	837.51	1/2	1,222.21	1/2	1,606.90	1/2	1,990.99	1/2	2,375.79	1/2	2,760.59	1/2	3,145.40	1/2	3,530.20
3/4	94.61	3/4	474.19	3/4	845.52	3/4	1,230.22	3/4	1,614.91	3/4	1,999.00	3/4	2,383.81	3/4	2,768.61	3/4	3,153.42	3/4	3,538.22
3	102.19	3	482.20	3	853.54	3	1,238.23	3	1,622.93	3	2,007.02	3	2,391.82	3	2,776.63	3	3,161.44	3	3,546.24
1/4	109.78	1/4	490.21	1/4	861.56	1/4	1,246.25	1/4	1,630.95	1/4	2,015.04	1/4	2,399.84	1/4	2,784.65	1/4	3,169.45	1/4	3,554.26
1/2	117.37	1/2	498.22	1/2	869.57	1/2	1,254.26	1/2	1,638.97	1/2	2,023.05	1/2	2,407.86	1/2	2,792.66	1/2	3,177.47	1/2	3,562.27
3/4	124.95	3/4	506.23	3/4	877.59	3/4	1,262.28	3/4	1,646.98	3/4	2,031.07	3/4	2,415.87	3/4	2,800.68	3/4	3,185.48	3/4	3,570.29
4	132.54	4	514.24	4	885.60	4	1,270.29	4	1,655.00	4	2,039.08	4	2,423.89	4	2,808.70	4	3,193.50	4	3,578.31
1/4	140.13	1/4	522.25	1/4	893.62	1/4	1,278.30	1/4	1,663.02	1/4	2,047.10	1/4	2,431.91	1/4	2,816.71	1/4	3,201.52	1/4	3,586.33
1/2	147.71	1/2	530.26	1/2	901.63	1/2	1,286.32	1/2	1,671.04	1/2	2,055.12	1/2	2,439.93	1/2	2,824.73	1/2	3,209.53	1/2	3,594.34
3/4	155.30	3/4	538.27	3/4	909.65	3/4	1,294.33	3/4	1,679.05	3/4	2,063.13	3/4	2,447.94	3/4	2,832.74	3/4	3,217.55	3/4	3,602.36
5	162.88	5	546.28	5	917.66	5	1,302.34	5	1,687.07	5	2,071.15	5	2,455.96	5	2,840.76	5	3,225.57	5	3,610.38
1/4	170.63	1/4	554.29	1/4	925.68	1/4	1,310.35	1/4	1,695.09	1/4	2,079.17	1/4	2,463.98	1/4	2,848.78	1/4	3,233.59	1/4	3,618.39
1/2	178.37	1/2	562.11	1/2	933.69	1/2	1,318.37	1/2	1,703.10	1/2	2,087.19	1/2	2,471.99	1/2	2,856.79	1/2	3,241.60	1/2	3,626.41
3/4	186.12	3/4	570.03	3/4	941.71	3/4	1,326.38	3/4	1,711.12	3/4	2,095.20	3/4	2,480.01	3/4	2,864.81	3/4	3,249.62	3/4	3,634.42
6	193.86	6	577.94	6	949.72	6	1,334.39	6	1,719.13	6	2,103.22	6	2,488.02	6	2,872.83	6	3,257.64	6	3,642.44
1/4	201.87	1/4	585.60	1/4	957.74	1/4	1,342.41	1/4	1,727.14	1/4	2,111.24	1/4	2,496.04	1/4	2,880.85	1/4	3,265.65	1/4	3,650.46
1/2	209.88	1/2	593.26	1/2	965.75	1/2	1,350.42	1/2	1,735.15	1/2	2,119.26	1/2	2,504.06	1/2	2,888.86	1/2	3,273.67	1/2	3,658.47
3/4	217.89	3/4	600.92	3/4	973.77	3/4	1,358.44	3/4	1,743.15	3/4	2,127.27	3/4	2,512.07	3/4	2,896.88	3/4	3,281.68	3/4	3,666.49
7	225.90	7	608.58	7	981.78	7	1,366.45	7	1,751.16	7	2,135.29	7	2,520.09	7	2,904.90	7	3,289.70	7	3,674.51
1/4	233.91	1/4	616.08	1/4	989.80	1/4	1,374.46	1/4	1,759.15	1/4	2,143.31	1/4	2,528.11	1/4	2,912.91	1/4	3,297.72	1/4	3,682.53
1/2	241.92	1/2	623.59	1/2	997.81	1/2	1,382.48	1/2	1,767.13	1/2	2,151.32	1/2	2,536.13	1/2	2,920.93	1/2	3,305.73	1/2	3,690.54
3/4	249.93	3/4	631.09	3/4	1,005.83	3/4	1,390.49	3/4	1,775.12	3/4	2,159.34	3/4	2,544.14	3/4	2,928.94	3/4	3,313.75	3/4	3,698.56
8	257.94	8	638.59	8	1,013.84	8	1,398.50	8	1,783.10	8	2,167.35	8	2,552.16	8	2,936.96	8	3,321.77	8	3,706.58
1/4	265.95	1/4	646.09	1/4	1,021.86	1/4	1,406.51	1/4	1,791.09	1/4	2,175.37	1/4	2,560.18	1/4	2,944.98	1/4	3,329.79	1/4	3,714.59
1/2	273.96	1/2	653.60	1/2	1,029.87	1/2	1,414.53	1/2	1,799.08	1/2	2,183.39	1/2	2,568.20	1/2	2,952.99	1/2	3,337.80	1/2	3,722.61
3/4	281.96	3/4	661.10	3/4	1,037.89	3/4	1,422.54	3/4	1,807.06	3/4	2,191.40	3/4	2,576.21	3/4	2,961.01	3/4	3,345.82	3/4	3,730.62
9	289.97	9	668.60	9	1,045.90	9	1,430.55	9	1,815.05	9	2,199.42	9	2,584.23	9	2,969.03	9	3,353.84	9	3,738.64
1/4	297.98	1/4	676.10	1/4	1,053.92	1/4	1,438.57	1/4	1,823.04	1/4	2,207.44	1/4	2,592.25	1/4	2,977.05	1/4	3,361.86	1/4	3,746.66
1/2	305.99	1/2	683.61	1/2	1,061.93	1/2	1,446.58	1/2	1,831.03	1/2	2,215.46	1/2	2,600.26	1/2	2,985.06	1/2	3,369.87	1/2	3,754.67
3/4	314.00	3/4	691.11	3/4	1,069.95	3/4	1,454.60	3/4	1,839.01	3/4	2,223.47	3/4	2,608.28	3/4	2,993.08	3/4	3,377.89	3/4	3,762.69
10	322.01	10	698.61	10	1,077.96	10	1,462.61	10	1,847.00	10	2,231.49	10	2,616.29	10	3,001.10	10	3,385.91	10	3,770.71
1/4	330.02	1/4	706.11	1/4	1,085.98	1/4	1,470.63	1/4	1,854.99	1/4	2,239.51	1/4	2,624.31	1/4	3,009.12	1/4	3,393.92	1/4	3,778.73
1/2	338.03	1/2	713.61	1/2	1,093.99	1/2	1,478.64	1/2	1,862.97	1/2	2,247.52	1/2	2,632.33	1/2	3,017.13	1/2	3,401.94	1/2	3,786.74
3/4	346.04	3/4	721.11	3/4	1,102.01	3/4	1,486.66	3/4	1,870.96	3/4	2,255.54	3/4	2,640.34	3/4	3,025.15	3/4	3,409.95	3/4	3,794.76
11	354.05	11	728.61	11	1,110.02	11	1,494.67	11	1,878.94	11	2,263.55	11	2,648.36	11	3,033.17	11	3,417.97	11	3,802.78
1/4	362.06	1/4	736.11	1/4	1,118.03	1/4	1,502.69	1/4	1,886.93	1/4	2,271.57	1/4	2,656.38	1/4	3,041.18	1/4	3,425.99	1/4	3,810.80
1/2	370.07	1/2	743.62	1/2	1,126.05	1/2	1,510.70	1/2	1,894.92	1/2	2,279.59	1/2	2,664.40	1/2	3,049.20	1/2	3,434.00	1/2	3,818.81
3/4	378.08	3/4	751.12	3/4	1,134.06	3/4	1,518.72	3/4	1,902.90	3/4	2,287.60	3/4	2,672.41	3/4	3,057.21	3/4	3,442.02	3/4	3,826.83

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 UNDERSIDE OF DECK AT GAUGE POINT

GAUGE POINT: (2" GAUGE PIPE) LOCATED 11'-03" 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 29701B"

**2 STBD
INNAGE TABLE**

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-02 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	3,834.85	0	4,219.65	0	4,603.12	0	4,984.66	0		0		0		0		0		0	
1/4	3,842.86	1/4	4,227.67	1/4	4,611.08	1/4	4,992.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,850.88	1/2	4,235.68	1/2	4,619.04	1/2	5,000.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,858.89	3/4	4,243.70	3/4	4,627.01	3/4	5,008.39	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,866.91	1	4,251.72	1	4,634.97	1	5,016.30	1		1		1		1		1		1	
1/4	3,874.93	1/4	4,259.74	1/4	4,642.93	1/4	5,024.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,882.94	1/2	4,267.75	1/2	4,650.90	1/2	5,032.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,890.96	3/4	4,275.77	3/4	4,658.86	3/4	5,040.03	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,898.98	2	4,283.79	2	4,666.83	2	5,047.94	2		2		2		2		2		2	
1/4	3,907.00	1/4	4,291.80	1/4	4,674.79	1/4	5,055.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,915.01	1/2	4,299.82	1/2	4,682.75	1/2	5,063.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,923.03	3/4	4,307.83	3/4	4,690.72	3/4	5,071.67	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,931.05	3	4,315.85	3	4,698.68	3	5,079.58	3		3		3		3		3		3	
1/4	3,939.07	1/4	4,323.87	1/4	4,706.64	1/4	5,087.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,947.08	1/2	4,331.88	1/2	4,714.61	1/2	5,095.40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,955.10	3/4	4,339.90	3/4	4,722.57	3/4	5,103.31	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,963.12	4	4,347.92	4	4,730.54	4	5,111.22	4		4		4		4		4		4	
1/4	3,971.13	1/4	4,355.94	1/4	4,738.50	1/4	5,119.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,979.15	1/2	4,363.95	1/2	4,746.46	1/2	5,127.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,987.16	3/4	4,371.97	3/4	4,754.43	3/4	5,134.95	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,995.18	5	4,379.99	5	4,762.39	5	5,142.86	5		5		5		5		5		5	
1/4	4,003.20	1/4	4,387.99	1/4	4,770.35	1/4	5,150.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,011.21	1/2	4,395.99	1/2	4,778.32	1/2	5,158.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,019.23	3/4	4,403.99	3/4	4,786.28	3/4	5,165.84	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,027.25	6	4,411.99	6	4,794.25	6	5,173.50	6		6		6		6		6		6	
1/4	4,035.27	1/4	4,419.95	1/4	4,802.21	1/4	5,180.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,043.28	1/2	4,427.92	1/2	4,810.17	1/2	5,186.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,051.30	3/4	4,435.88	3/4	4,818.14	3/4	5,193.72	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,059.32	7	4,443.85	7	4,826.10	7	5,200.46	7		7		7		7		7		7	
1/4	4,067.33	1/4	4,451.81	1/4	4,834.06	1/4	5,205.86	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,075.35	1/2	4,459.77	1/2	4,842.03	1/2	5,211.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,083.36	3/4	4,467.74	3/4	4,849.99	3/4	5,216.67	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,091.38	8	4,475.70	8	4,857.96	8	5,222.08	8		8		8		8		8		8	
1/4	4,099.40	1/4	4,483.66	1/4	4,865.90	1/4	5,226.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,107.41	1/2	4,491.62	1/2	4,873.84	1/2	5,230.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,115.43	3/4	4,499.59	3/4	4,881.79	3/4	5,234.29	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,123.45	9	4,507.55	9	4,889.73	9		9		9		9		9		9		9	
1/4	4,131.47	1/4	4,515.51	1/4	4,897.64	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,139.48	1/2	4,523.48	1/2	4,905.55	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,147.50	3/4	4,531.44	3/4	4,913.46	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	4,155.52	10	4,539.41	10	4,921.37	10		10		10		10		10		10		10	
1/4	4,163.54	1/4	4,547.37	1/4	4,929.28	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,171.55	1/2	4,555.33	1/2	4,937.19	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,179.57	3/4	4,563.30	3/4	4,945.11	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	4,187.59	11	4,571.26	11	4,953.02	11		11		11		11		11		11		11	
1/4	4,195.60	1/4	4,579.22	1/4	4,960.93	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,203.62	1/2	4,587.19	1/2	4,968.84	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,211.63	3/4	4,595.15	3/4	4,976.75	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/24/2001 ITS
DECK MEASUREMENTS: 05/15/2014 SW
REPRINTED: 05/15/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2014

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



BARGE "KIRBY 29701B"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-00"

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	19.04	0	357.83	0	706.87	0	1,066.31	0	1,427.30	0	1,787.83	0	2,148.80	0	2,509.75	0	2,870.12	0	3,229.87
1/4	23.79	1/4	365.35	1/4	714.01	1/4	1,073.83	1/4	1,434.82	1/4	1,795.33	1/4	2,156.32	1/4	2,517.27	1/4	2,877.62	1/4	3,237.35
1/2	28.54	1/2	372.86	1/2	721.14	1/2	1,081.35	1/2	1,442.35	1/2	1,802.84	1/2	2,163.84	1/2	2,524.80	1/2	2,885.11	1/2	3,244.83
3/4	33.28	3/4	380.38	3/4	728.28	3/4	1,088.87	3/4	1,449.87	3/4	1,810.34	3/4	2,171.35	3/4	2,532.32	3/4	2,892.61	3/4	3,252.32
1	38.03	1	387.89	1	735.41	1	1,096.39	1	1,457.39	1	1,817.84	1	2,178.87	1	2,539.84	1	2,900.10	1	3,259.80
1/4	44.42	1/4	395.41	1/4	742.93	1/4	1,103.91	1/4	1,464.91	1/4	1,825.36	1/4	2,186.39	1/4	2,547.36	1/4	2,907.60	1/4	3,267.24
1/2	50.82	1/2	402.92	1/2	750.46	1/2	1,111.44	1/2	1,472.44	1/2	1,832.89	1/2	2,193.90	1/2	2,554.88	1/2	2,915.09	1/2	3,274.69
3/4	57.21	3/4	410.44	3/4	757.98	3/4	1,118.96	3/4	1,479.96	3/4	1,840.41	3/4	2,201.42	3/4	2,562.40	3/4	2,922.59	3/4	3,282.13
2	63.60	2	417.95	2	765.50	2	1,126.48	2	1,487.48	2	1,847.93	2	2,208.93	2	2,569.92	2	2,930.08	2	3,289.58
1/4	70.69	1/4	425.47	1/4	773.02	1/4	1,134.00	1/4	1,495.00	1/4	1,855.45	1/4	2,216.45	1/4	2,577.44	1/4	2,937.58	1/4	3,297.02
1/2	77.78	1/2	432.98	1/2	780.55	1/2	1,141.52	1/2	1,502.53	1/2	1,862.98	1/2	2,223.96	1/2	2,584.97	1/2	2,945.07	1/2	3,304.47
3/4	84.87	3/4	440.50	3/4	788.07	3/4	1,149.04	3/4	1,510.05	3/4	1,870.50	3/4	2,231.48	3/4	2,592.49	3/4	2,952.57	3/4	3,311.91
3	91.96	3	448.01	3	795.59	3	1,156.56	3	1,517.57	3	1,878.02	3	2,238.99	3	2,600.01	3	2,960.06	3	3,319.36
1/4	99.05	1/4	455.53	1/4	803.11	1/4	1,164.08	1/4	1,525.09	1/4	1,885.54	1/4	2,246.51	1/4	2,607.53	1/4	2,967.55	1/4	3,326.81
1/2	106.15	1/2	463.04	1/2	810.63	1/2	1,171.60	1/2	1,532.61	1/2	1,893.07	1/2	2,254.03	1/2	2,615.06	1/2	2,975.05	1/2	3,334.25
3/4	113.24	3/4	470.55	3/4	818.15	3/4	1,179.12	3/4	1,540.13	3/4	1,900.59	3/4	2,261.54	3/4	2,622.58	3/4	2,982.54	3/4	3,341.70
4	120.33	4	478.07	4	825.67	4	1,186.64	4	1,547.65	4	1,908.11	4	2,269.06	4	2,630.10	4	2,990.03	4	3,349.15
1/4	127.42	1/4	485.58	1/4	833.19	1/4	1,194.16	1/4	1,555.17	1/4	1,915.63	1/4	2,276.58	1/4	2,637.62	1/4	2,997.52	1/4	3,356.52
1/2	134.51	1/2	493.09	1/2	840.71	1/2	1,201.68	1/2	1,562.70	1/2	1,923.15	1/2	2,284.10	1/2	2,645.15	1/2	3,005.02	1/2	3,363.89
3/4	141.60	3/4	500.61	3/4	848.23	3/4	1,209.20	3/4	1,570.22	3/4	1,930.67	3/4	2,291.61	3/4	2,652.67	3/4	3,012.51	3/4	3,371.27
5	148.69	5	508.12	5	855.75	5	1,216.72	5	1,577.74	5	1,938.19	5	2,299.13	5	2,660.19	5	3,020.01	5	3,378.64
1/4	155.89	1/4	515.57	1/4	863.27	1/4	1,224.24	1/4	1,585.26	1/4	1,945.71	1/4	2,306.65	1/4	2,667.71	1/4	3,027.50	1/4	3,385.65
1/2	163.09	1/2	523.02	1/2	870.79	1/2	1,231.76	1/2	1,592.79	1/2	1,953.24	1/2	2,314.18	1/2	2,675.22	1/2	3,035.00	1/2	3,392.65
3/4	170.28	3/4	530.48	3/4	878.31	3/4	1,239.28	3/4	1,600.31	3/4	1,960.76	3/4	2,321.70	3/4	2,682.74	3/4	3,042.49	3/4	3,399.66
6	177.48	6	537.93	6	885.83	6	1,246.80	6	1,607.83	6	1,968.28	6	2,329.22	6	2,690.25	6	3,049.99	6	3,406.67
1/4	185.00	1/4	545.13	1/4	893.35	1/4	1,254.32	1/4	1,615.35	1/4	1,975.80	1/4	2,336.74	1/4	2,697.75	1/4	3,057.48	1/4	3,413.09
1/2	192.51	1/2	552.32	1/2	900.87	1/2	1,261.85	1/2	1,622.86	1/2	1,983.33	1/2	2,344.27	1/2	2,705.24	1/2	3,064.98	1/2	3,419.51
3/4	200.03	3/4	559.52	3/4	908.39	3/4	1,269.37	3/4	1,630.38	3/4	1,990.85	3/4	2,351.79	3/4	2,712.74	3/4	3,072.47	3/4	3,425.94
7	207.54	7	566.72	7	915.91	7	1,276.89	7	1,637.89	7	1,998.37	7	2,359.31	7	2,720.23	7	3,079.97	7	3,432.36
1/4	215.06	1/4	573.73	1/4	923.43	1/4	1,284.41	1/4	1,645.39	1/4	2,005.89	1/4	2,366.83	1/4	2,727.72	1/4	3,087.46	1/4	3,438.20
1/2	222.57	1/2	580.73	1/2	930.95	1/2	1,291.93	1/2	1,652.89	1/2	2,013.42	1/2	2,374.36	1/2	2,735.22	1/2	3,094.96	1/2	3,444.04
3/4	230.09	3/4	587.74	3/4	938.47	3/4	1,299.45	3/4	1,660.38	3/4	2,020.94	3/4	2,381.88	3/4	2,742.71	3/4	3,102.45	3/4	3,449.88
8	237.60	8	594.75	8	945.99	8	1,306.97	8	1,667.88	8	2,028.46	8	2,389.40	8	2,750.20	8	3,109.95	8	3,455.72
1/4	245.12	1/4	601.76	1/4	953.51	1/4	1,314.49	1/4	1,675.38	1/4	2,035.98	1/4	2,396.92	1/4	2,757.70	1/4	3,117.44	1/4	3,460.98
1/2	252.63	1/2	608.77	1/2	961.03	1/2	1,322.01	1/2	1,682.88	1/2	2,043.51	1/2	2,404.44	1/2	2,765.19	1/2	3,124.94	1/2	3,466.23
3/4	260.15	3/4	615.77	3/4	968.55	3/4	1,329.53	3/4	1,690.37	3/4	2,051.03	3/4	2,411.96	3/4	2,772.69	3/4	3,132.43	3/4	3,471.49
9	267.66	9	622.78	9	976.07	9	1,337.05	9	1,697.87	9	2,058.55	9	2,419.48	9	2,780.18	9	3,139.93	9	3,476.74
1/4	275.18	1/4	629.79	1/4	983.59	1/4	1,344.57	1/4	1,705.37	1/4	2,066.07	1/4	2,427.00	1/4	2,787.68	1/4	3,147.42	1/4	3,481.41
1/2	282.69	1/2	636.80	1/2	991.11	1/2	1,352.09	1/2	1,712.87	1/2	2,073.59	1/2	2,434.53	1/2	2,795.17	1/2	3,154.92	1/2	3,486.09
3/4	290.21	3/4	643.80	3/4	998.63	3/4	1,359.61	3/4	1,720.36	3/4	2,081.11	3/4	2,442.05	3/4	2,802.67	3/4	3,162.41	3/4	3,490.76
10	297.72	10	650.81	10	1,006.15	10	1,367.13	10	1,727.86	10	2,088.63	10	2,449.57	10	2,810.16	10	3,169.91	10	3,495.43
1/4	305.23	1/4	657.82	1/4	1,013.67	1/4	1,374.65	1/4	1,735.36	1/4	2,096.15	1/4	2,457.09	1/4	2,817.66	1/4	3,177.40	1/4	3,499.59
1/2	312.75	1/2	664.83	1/2	1,021.19	1/2	1,382.18	1/2	1,742.85	1/2	2,103.68	1/2	2,464.62	1/2	2,825.15	1/2	3,184.90	1/2	3,503.75
3/4	320.26	3/4	671.83	3/4	1,028.71	3/4	1,389.70	3/4	1,750.35	3/4	2,111.20	3/4	2,472.14	3/4	2,832.65	3/4	3,192.39	3/4	3,507.91
11	327.77	11	678.84	11	1,036.23	11	1,397.22	11	1,757.84	11	2,118.72	11	2,479.66	11	2,840.14	11	3,199.89	11	3,512.07
1/4	335.29	1/4	685.85	1/4	1,043.75	1/4	1,404.74	1/4	1,765.34	1/4	2,126.24	1/4	2,487.18	1/4	2,847.64	1/4	3,207.38	1/4	3,516.03
1/2	342.80	1/2	692.86	1/2	1,051.27	1/2	1,412.26	1/2	1,772.84	1/2	2,133.76	1/2	2,494.71	1/2	2,855.13	1/2	3,214.88	1/2	3,519.99
3/4	350.32	3/4	699.86	3/4	1,058.79	3/4	1,419.78	3/4	1,780.33	3/4	2,141.28	3/4	2,502.23	3/4	2,862.63	3/4	3,222.37	3/4	3,523.95

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 UNDERSIDE OF DECK AT GAUGE POINT

GAUGE POINT: (2" GAUGE PIPE) LOCATED 11'-03" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29701B"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-00"

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	3,527.91	0	3,720.78	0	3,913.07	0	4,104.82	0		0		0		0		0		0	
1/4	3,531.93	1/4	3,724.80	1/4	3,917.06	1/4	4,108.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,535.95	1/2	3,728.81	1/2	3,921.06	1/2	4,112.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,539.96	3/4	3,732.83	3/4	3,925.05	3/4	4,116.77	3/4		3/4		3/4		3/4		3/4		3/4	
1	3,543.98	1	3,736.85	1	3,929.05	1	4,120.75	1		1		1		1		1		1	
1/4	3,548.00	1/4	3,740.87	1/4	3,933.04	1/4	4,124.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,552.02	1/2	3,744.89	1/2	3,937.04	1/2	4,128.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,556.04	3/4	3,748.91	3/4	3,941.03	3/4	4,132.58	3/4		3/4		3/4		3/4		3/4		3/4	
2	3,560.06	2	3,752.93	2	3,945.03	2	4,136.53	2		2		2		2		2		2	
1/4	3,564.08	1/4	3,756.95	1/4	3,949.02	1/4	4,140.47	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,568.10	1/2	3,760.96	1/2	3,953.02	1/2	4,144.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,572.11	3/4	3,764.98	3/4	3,957.01	3/4	4,148.36	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,576.13	3	3,769.00	3	3,961.01	3	4,152.31	3		3		3		3		3		3	
1/4	3,580.15	1/4	3,773.02	1/4	3,965.00	1/4	4,156.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,584.16	1/2	3,777.03	1/2	3,968.99	1/2	4,160.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,588.18	3/4	3,781.05	3/4	3,972.99	3/4	4,164.14	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,592.20	4	3,785.07	4	3,976.98	4	4,168.09	4		4		4		4		4		4	
1/4	3,596.22	1/4	3,789.09	1/4	3,980.97	1/4	4,172.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,600.23	1/2	3,793.10	1/2	3,984.97	1/2	4,175.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,604.25	3/4	3,797.12	3/4	3,988.96	3/4	4,179.93	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,608.27	5	3,801.14	5	3,992.96	5	4,183.88	5		5		5		5		5		5	
1/4	3,612.29	1/4	3,805.15	1/4	3,996.95	1/4	4,187.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,616.31	1/2	3,809.16	1/2	4,000.95	1/2	4,191.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,620.33	3/4	3,813.18	3/4	4,004.94	3/4	4,195.46	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,624.35	6	3,817.19	6	4,008.94	578	4,197.39	6		6		6		6		6		6	
1/4	3,628.37	1/4	3,821.18	1/4	4,012.93			1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,632.38	1/2	3,825.18	1/2	4,016.93			1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,636.40	3/4	3,829.17	3/4	4,020.92			3/4		3/4		3/4		3/4		3/4		3/4	
7	3,640.42	7	3,833.17	7	4,024.92	7		7		7		7		7		7		7	
1/4	3,644.44	1/4	3,837.16	1/4	4,028.91			1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,648.45	1/2	3,841.16	1/2	4,032.91			1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,652.47	3/4	3,845.15	3/4	4,036.90			3/4		3/4		3/4		3/4		3/4		3/4	
8	3,656.49	8	3,849.15	8	4,040.90	8		8		8		8		8		8		8	
1/4	3,660.51	1/4	3,853.14	1/4	4,044.89			1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,664.52	1/2	3,857.14	1/2	4,048.89			1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,668.54	3/4	3,861.13	3/4	4,052.88			3/4		3/4		3/4		3/4		3/4		3/4	
9	3,672.56	9	3,865.13	9	4,056.88	9		9		9		9		9		9		9	
1/4	3,676.58	1/4	3,869.12	1/4	4,060.87			1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,680.60	1/2	3,873.12	1/2	4,064.87			1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,684.62	3/4	3,877.11	3/4	4,068.86			3/4		3/4		3/4		3/4		3/4		3/4	
10	3,688.64	10	3,881.11	10	4,072.86	10		10		10		10		10		10		10	
1/4	3,692.66	1/4	3,885.10	1/4	4,076.85			1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,696.67	1/2	3,889.10	1/2	4,080.85			1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,700.69	3/4	3,893.09	3/4	4,084.84			3/4		3/4		3/4		3/4		3/4		3/4	
11	3,704.71	11	3,897.09	11	4,088.84	11		11		11		11		11		11		11	
1/4	3,708.73	1/4	3,901.08	1/4	4,092.83			1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,712.74	1/2	3,905.08	1/2	4,096.83			1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,716.76	3/4	3,909.07	3/4	4,100.82			3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/24/2001 ITS
DECK MEASUREMENTS: 05/15/2014 SW
REPRINTED: 05/15/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2014

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



BARGE "KIRBY 29701B"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-11 1/2"

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	21.16	0	368.10	0	723.58	0	1,084.25	0	1,443.91	0	1,804.05	0	2,164.79	0	2,525.58	0	2,885.68	0	3,245.18
1/4	26.14	1/4	375.61	1/4	731.10	1/4	1,091.75	1/4	1,451.43	1/4	1,811.55	1/4	2,172.31	1/4	2,533.10	1/4	2,893.17	1/4	3,252.65
1/2	31.12	1/2	383.12	1/2	738.62	1/2	1,099.24	1/2	1,458.94	1/2	1,819.05	1/2	2,179.83	1/2	2,540.61	1/2	2,900.66	1/2	3,260.12
3/4	36.10	3/4	390.63	3/4	746.13	3/4	1,106.74	3/4	1,466.46	3/4	1,826.55	3/4	2,187.34	3/4	2,548.13	3/4	2,908.15	3/4	3,267.59
1	41.08	1	398.14	1	753.65	1	1,114.23	1	1,473.97	1	1,834.05	1	2,194.86	1	2,555.64	1	2,915.64	1	3,275.06
1/4	47.74	1/4	405.65	1/4	761.17	1/4	1,121.72	1/4	1,481.49	1/4	1,841.57	1/4	2,202.38	1/4	2,563.16	1/4	2,923.13	1/4	3,282.50
1/2	54.41	1/2	413.16	1/2	768.69	1/2	1,129.22	1/2	1,489.00	1/2	1,849.09	1/2	2,209.90	1/2	2,570.67	1/2	2,930.61	1/2	3,289.94
3/4	61.07	3/4	420.67	3/4	776.20	3/4	1,136.71	3/4	1,496.52	3/4	1,856.60	3/4	2,217.41	3/4	2,578.19	3/4	2,938.10	3/4	3,297.38
2	67.73	2	428.18	2	783.72	2	1,144.20	2	1,504.03	2	1,864.12	2	2,224.93	2	2,585.71	2	2,945.59	2	3,304.82
1/4	75.24	1/4	435.69	1/4	791.24	1/4	1,151.69	1/4	1,511.55	1/4	1,871.64	1/4	2,232.45	1/4	2,593.22	1/4	2,953.08	1/4	3,312.26
1/2	82.75	1/2	443.20	1/2	798.75	1/2	1,159.18	1/2	1,519.06	1/2	1,879.16	1/2	2,239.96	1/2	2,600.74	1/2	2,960.57	1/2	3,319.70
3/4	90.25	3/4	450.71	3/4	806.27	3/4	1,166.67	3/4	1,526.58	3/4	1,886.67	3/4	2,247.48	3/4	2,608.25	3/4	2,968.06	3/4	3,327.15
3	97.76	3	458.22	3	813.78	3	1,174.16	3	1,534.09	3	1,894.19	3	2,254.99	3	2,615.77	3	2,975.55	3	3,334.59
1/4	105.27	1/4	465.73	1/4	821.30	1/4	1,181.65	1/4	1,541.61	1/4	1,901.71	1/4	2,262.51	1/4	2,623.28	1/4	2,983.04	1/4	3,342.03
1/2	112.78	1/2	473.24	1/2	828.82	1/2	1,189.14	1/2	1,549.13	1/2	1,909.22	1/2	2,270.03	1/2	2,630.80	1/2	2,990.53	1/2	3,349.47
3/4	120.29	3/4	480.74	3/4	836.33	3/4	1,196.63	3/4	1,556.64	3/4	1,916.74	3/4	2,277.54	3/4	2,638.31	3/4	2,998.02	3/4	3,356.91
4	127.80	4	488.25	4	843.85	4	1,204.12	4	1,564.16	4	1,924.25	4	2,285.06	4	2,645.83	4	3,005.51	4	3,364.35
1/4	135.31	1/4	495.76	1/4	851.37	1/4	1,211.61	1/4	1,571.68	1/4	1,931.77	1/4	2,292.58	1/4	2,653.35	1/4	3,013.00	1/4	3,371.68
1/2	142.82	1/2	503.27	1/2	858.88	1/2	1,219.10	1/2	1,579.19	1/2	1,939.29	1/2	2,300.10	1/2	2,660.86	1/2	3,020.49	1/2	3,379.01
3/4	150.33	3/4	510.78	3/4	866.40	3/4	1,226.58	3/4	1,586.71	3/4	1,946.80	3/4	2,307.61	3/4	2,668.38	3/4	3,027.98	3/4	3,386.34
5	157.84	5	518.29	5	873.91	5	1,234.07	5	1,594.22	5	1,954.32	5	2,315.13	5	2,675.90	5	3,035.47	5	3,393.67
1/4	165.35	1/4	525.71	1/4	881.43	1/4	1,241.56	1/4	1,601.74	1/4	1,961.84	1/4	2,322.65	1/4	2,683.41	1/4	3,042.96	1/4	3,400.60
1/2	172.86	1/2	533.12	1/2	888.94	1/2	1,249.05	1/2	1,609.25	1/2	1,969.36	1/2	2,330.16	1/2	2,690.91	1/2	3,050.45	1/2	3,407.53
3/4	180.37	3/4	540.54	3/4	896.46	3/4	1,256.54	3/4	1,616.77	3/4	1,976.87	3/4	2,337.68	3/4	2,698.42	3/4	3,057.94	3/4	3,414.46
6	187.88	6	547.95	6	903.97	6	1,264.03	6	1,624.28	6	1,984.39	6	2,345.19	6	2,705.93	6	3,065.43	6	3,421.39
1/4	195.39	1/4	555.11	1/4	911.48	1/4	1,271.52	1/4	1,631.79	1/4	1,991.91	1/4	2,352.71	1/4	2,713.42	1/4	3,072.92	1/4	3,427.74
1/2	202.90	1/2	562.27	1/2	919.00	1/2	1,279.01	1/2	1,639.29	1/2	1,999.42	1/2	2,360.23	1/2	2,720.91	1/2	3,080.41	1/2	3,434.08
3/4	210.40	3/4	569.43	3/4	926.51	3/4	1,286.50	3/4	1,646.80	3/4	2,006.94	3/4	2,367.74	3/4	2,728.40	3/4	3,087.90	3/4	3,440.43
7	217.91	7	576.59	7	934.02	7	1,293.99	7	1,654.30	7	2,014.45	7	2,375.26	7	2,735.89	7	3,095.39	7	3,446.78
1/4	225.42	1/4	583.59	1/4	941.54	1/4	1,301.48	1/4	1,661.79	1/4	2,021.97	1/4	2,382.78	1/4	2,743.38	1/4	3,102.88	1/4	3,452.54
1/2	232.93	1/2	590.59	1/2	949.05	1/2	1,308.97	1/2	1,669.28	1/2	2,029.49	1/2	2,390.30	1/2	2,750.86	1/2	3,110.36	1/2	3,458.30
3/4	240.44	3/4	597.60	3/4	956.57	3/4	1,316.46	3/4	1,676.76	3/4	2,037.00	3/4	2,397.81	3/4	2,758.35	3/4	3,117.85	3/4	3,464.07
8	247.95	8	604.60	8	964.08	8	1,323.95	8	1,684.25	8	2,044.52	8	2,405.33	8	2,765.84	8	3,125.34	8	3,469.83
1/4	255.46	1/4	611.80	1/4	971.60	1/4	1,331.44	1/4	1,691.74	1/4	2,052.04	1/4	2,412.85	1/4	2,773.33	1/4	3,132.83	1/4	3,475.01
1/2	262.97	1/2	618.99	1/2	979.11	1/2	1,338.93	1/2	1,699.23	1/2	2,059.56	1/2	2,420.36	1/2	2,780.82	1/2	3,140.32	1/2	3,480.19
3/4	270.48	3/4	626.19	3/4	986.63	3/4	1,346.41	3/4	1,706.71	3/4	2,067.07	3/4	2,427.88	3/4	2,788.31	3/4	3,147.81	3/4	3,485.37
9	277.99	9	633.38	9	994.14	9	1,353.90	9	1,714.20	9	2,074.59	9	2,435.39	9	2,795.80	9	3,155.30	9	3,490.55
1/4	285.50	1/4	640.90	1/4	1,001.66	1/4	1,361.39	1/4	1,721.69	1/4	2,082.11	1/4	2,442.91	1/4	2,803.29	1/4	3,162.79	1/4	3,495.14
1/2	293.01	1/2	648.42	1/2	1,009.17	1/2	1,368.89	1/2	1,729.18	1/2	2,089.63	1/2	2,450.43	1/2	2,810.78	1/2	3,170.28	1/2	3,499.74
3/4	300.52	3/4	655.93	3/4	1,016.69	3/4	1,376.38	3/4	1,736.66	3/4	2,097.14	3/4	2,457.94	3/4	2,818.27	3/4	3,177.77	3/4	3,504.33
10	308.03	10	663.45	10	1,024.20	10	1,383.87	10	1,744.15	10	2,104.66	10	2,465.46	10	2,825.76	10	3,185.26	10	3,508.93
1/4	315.54	1/4	670.97	1/4	1,031.71	1/4	1,391.37	1/4	1,751.64	1/4	2,112.18	1/4	2,472.98	1/4	2,833.25	1/4	3,192.75	1/4	3,513.05
1/2	323.05	1/2	678.49	1/2	1,039.23	1/2	1,398.87	1/2	1,759.13	1/2	2,119.69	1/2	2,480.49	1/2	2,840.74	1/2	3,200.24	1/2	3,517.17
3/4	330.55	3/4	686.00	3/4	1,046.74	3/4	1,406.37	3/4	1,766.61	3/4	2,127.21	3/4	2,488.01	3/4	2,848.23	3/4	3,207.73	3/4	3,521.29
11	338.06	11	693.52	11	1,054.25	11	1,413.87	11	1,774.10	11	2,134.72	11	2,495.52	11	2,855.72	11	3,215.22	11	3,525.41
1/4	345.57	1/4	701.04	1/4	1,061.75	1/4	1,421.38	1/4	1,781.59	1/4	2,142.24	1/4	2,503.04	1/4	2,863.21	1/4	3,222.71	1/4	3,529.38
1/2	353.08	1/2	708.55	1/2	1,069.25	1/2	1,428.89	1/2	1,789.08	1/2	2,149.76	1/2	2,510.55	1/2	2,870.70	1/2	3,230.20	1/2	3,533.35
3/4	360.59	3/4	716.07	3/4	1,076.75	3/4	1,436.40	3/4	1,796.56	3/4	2,157.27	3/4	2,518.07	3/4	2,878.19	3/4	3,237.69	3/4	3,537.32

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 UNDERSIDE OF DECK AT GAUGE POINT

GAUGE POINT: (2" GAUGE PIPE) LOCATED 11'-03" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29701B"

**3 STBD
INNAGE TABLE**

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-11 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	3,541.29	0	3,734.03	0	3,926.19	0	4,117.82	0		0		0		0		0		0	
1/4	3,545.30	1/4	3,738.05	1/4	3,930.18	1/4	4,121.79	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,549.32	1/2	3,742.06	1/2	3,934.17	1/2	4,125.76	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,553.33	3/4	3,746.08	3/4	3,938.17	3/4	4,129.74	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,557.35	1	3,750.10	1	3,942.16	1	4,133.71	1		1		1		1		1		1	
1/4	3,561.36	1/4	3,754.11	1/4	3,946.15	1/4	4,137.65	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,565.38	1/2	3,758.13	1/2	3,950.14	1/2	4,141.60	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,569.39	3/4	3,762.14	3/4	3,954.14	3/4	4,145.54	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,573.41	2	3,766.16	2	3,958.13	2	4,149.49	2		2		2		2		2		2	
1/4	3,577.42	1/4	3,770.17	1/4	3,962.12	1/4	4,153.43	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,581.44	1/2	3,774.19	1/2	3,966.11	1/2	4,157.37	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,585.45	3/4	3,778.20	3/4	3,970.11	3/4	4,161.32	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,589.47	3	3,782.22	3	3,974.10	3	4,165.26	3		3		3		3		3		3	
1/4	3,593.49	1/4	3,786.23	1/4	3,978.09	1/4	4,169.20	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,597.50	1/2	3,790.25	1/2	3,982.08	1/2	4,173.14	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,601.52	3/4	3,794.26	3/4	3,986.08	3/4	4,177.09	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,605.54	4	3,798.28	4	3,990.07	4	4,181.03	4		4		4		4		4		4	
1/4	3,609.55	1/4	3,802.30	1/4	3,994.06	1/4	4,184.97	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,613.57	1/2	3,806.31	1/2	3,998.05	1/2	4,188.91	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,617.58	3/4	3,810.33	3/4	4,002.04	3/4	4,192.86	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,621.60	5	3,814.35	5	4,006.03	5	4,196.80	5		5		5		5		5		5	
1/4	3,625.61	1/4	3,818.35	1/4	4,010.02	1/4	4,200.62	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,629.63	1/2	3,822.36	1/2	4,014.01	1/2	4,204.43	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,633.64	3/4	3,826.36	3/4	4,018.01	3/4	4,208.25	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,637.66	6	3,830.37	6	4,022.00	6	4,212.07	6		6		6		6		6		6	
1/4	3,641.67	1/4	3,834.36	1/4	4,025.99	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,645.69	1/2	3,838.35	1/2	4,029.98	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,649.70	3/4	3,842.35	3/4	4,033.98	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,653.72	7	3,846.34	7	4,037.97	7		7		7		7		7		7		7	
1/4	3,657.74	1/4	3,850.33	1/4	4,041.96	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,661.75	1/2	3,854.32	1/2	4,045.95	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,665.77	3/4	3,858.32	3/4	4,049.95	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,669.79	8	3,862.31	8	4,053.94	8		8		8		8		8		8		8	
1/4	3,673.80	1/4	3,866.30	1/4	4,057.93	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,677.82	1/2	3,870.29	1/2	4,061.92	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,681.83	3/4	3,874.29	3/4	4,065.92	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,685.85	9	3,878.28	9	4,069.91	9		9		9		9		9		9		9	
1/4	3,689.86	1/4	3,882.27	1/4	4,073.90	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,693.88	1/2	3,886.26	1/2	4,077.89	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,697.89	3/4	3,890.26	3/4	4,081.89	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,701.91	10	3,894.25	10	4,085.88	10		10		10		10		10		10		10	
1/4	3,705.92	1/4	3,898.24	1/4	4,089.87	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,709.94	1/2	3,902.23	1/2	4,093.86	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,713.95	3/4	3,906.23	3/4	4,097.86	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,717.97	11	3,910.22	11	4,101.85	11		11		11		11		11		11		11	
1/4	3,721.98	1/4	3,914.21	1/4	4,105.84	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,726.00	1/2	3,918.20	1/2	4,109.83	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,730.01	3/4	3,922.20	3/4	4,113.83	3/4		3/4	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.

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