



BARGE "CBC 27"

ULLAGE TRIM TABLE

FORMERLY "KIRBY 10047"

	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 CENTER	- 00-5/8	00-5/8	- 01-1/4	01-1/4	- 01-7/8	01-7/8	- 02-1/2	02-1/2	- 03-1/8	03-1/8	- 03-3/4	03-3/4
2 CENTER	- 00-1/8	00-1/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-0/8	01-0/8
3 CENTER	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

May 26, 2015

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 CENTER IS 01-1/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER THE TRIM CORRECTED ULLAGE IS 4'-01 1/4"



BARGE "CBC 27"

3 CENTER ULLAGE TABLE

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

FORMERLY "KIRBY 10047"

GAUGE HEIGHT 17'-02"

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		0	3,937.12	0	3,671.52	0	3,390.45	0	3,109.40	0	2,828.33	0	2,547.29	0	2,266.21		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,933.51	1/4	3,665.67	1/4	3,384.60	1/4	3,103.55	1/4	2,822.48	1/4	2,541.43	1/4	2,260.36		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,929.89	1/2	3,659.81	1/2	3,378.74	1/2	3,097.69	1/2	2,816.62	1/2	2,535.57	1/2	2,254.50		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,926.28	3/4	3,653.95	3/4	3,372.88	3/4	3,091.83	3/4	2,810.76	3/4	2,529.71	3/4	2,248.64		
1		1		1		1	3,922.67	1	3,648.10	1	3,367.02	1	3,085.98	1	2,804.90	1	2,523.86	1	2,242.79		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,918.06	1/4	3,642.24	1/4	3,361.17	1/4	3,080.12	1/4	2,799.05	1/4	2,518.00	1/4	2,236.93		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,913.45	1/2	3,636.38	1/2	3,355.32	1/2	3,074.26	1/2	2,793.20	1/2	2,512.14	1/2	2,231.08		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,908.85	3/4	3,630.52	3/4	3,349.47	3/4	3,068.40	3/4	2,787.35	3/4	2,506.29	3/4	2,225.23		
2		2		2		2	3,904.24	2	3,624.67	2	3,343.62	2	3,062.55	2	2,781.50	2	2,500.43	2	2,219.38		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,898.76	1/4	3,618.81	1/4	3,337.76	1/4	3,056.69	1/4	2,775.64	1/4	2,494.57	1/4	2,213.52		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,893.27	1/2	3,612.95	1/2	3,331.90	1/2	3,050.83	1/2	2,769.79	1/2	2,488.71	1/2	2,207.67		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,887.79	3/4	3,607.10	3/4	3,326.05	3/4	3,044.98	3/4	2,763.93	3/4	2,482.86	3/4	2,201.81		
3		3		3		3	3,882.31	3	3,601.24	3	3,320.19	3	3,039.12	3	2,758.07	3	2,477.00	3	2,195.95		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,876.45	1/4	3,595.39	1/4	3,314.33	1/4	3,033.27	1/4	2,752.21	1/4	2,471.15	1/4	2,190.10		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,870.60	1/2	3,589.54	1/2	3,308.48	1/2	3,027.42	1/2	2,746.36	1/2	2,465.30	1/2	2,184.24		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,864.74	3/4	3,583.68	3/4	3,302.62	3/4	3,021.57	3/4	2,740.50	3/4	2,459.45	3/4	2,178.38		
4		4		4		4	3,858.88	4	3,577.83	4	3,296.76	4	3,015.71	4	2,734.64	4	2,453.60	4	2,172.52		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,853.02	1/4	3,571.98	1/4	3,290.90	1/4	3,009.86	1/4	2,728.79	1/4	2,447.74	1/4	2,166.67		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,847.17	1/2	3,566.12	1/2	3,285.05	1/2	3,004.00	1/2	2,722.94	1/2	2,441.88	1/2	2,160.82		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,841.31	3/4	3,560.26	3/4	3,279.19	3/4	2,998.14	3/4	2,717.09	3/4	2,436.02	3/4	2,154.97		
5		5		5		5	3,835.45	5	3,554.40	5	3,273.33	5	2,992.29	5	2,711.24	5	2,430.17	5	2,149.12		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,829.60	1/4	3,548.55	1/4	3,267.48	1/4	2,986.43	1/4	2,705.38	1/4	2,424.31	1/4	2,143.26		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,823.75	1/2	3,542.69	1/2	3,261.63	1/2	2,980.57	1/2	2,699.52	1/2	2,418.45	1/2	2,137.40		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,817.90	3/4	3,536.83	3/4	3,255.78	3/4	2,974.71	3/4	2,693.67	3/4	2,412.60	3/4	2,131.55		
6		6		6		6	3,812.05	6	3,530.98	6	3,249.93	6	2,968.86	6	2,687.81	6	2,406.74	6	2,125.69		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,806.19	1/4	3,525.12	1/4	3,244.07	1/4	2,963.01	1/4	2,681.95	1/4	2,400.89	1/4	2,119.83		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,800.33	1/2	3,519.27	1/2	3,238.21	1/2	2,957.15	1/2	2,676.10	1/2	2,395.04	1/2	2,113.98		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,794.48	3/4	3,513.42	3/4	3,232.36	3/4	2,951.30	3/4	2,670.24	3/4	2,389.18	3/4	2,108.12		
7		7		7		7	3,788.62	7	3,507.57	7	3,226.50	7	2,945.45	7	2,664.38	7	2,383.33	7	2,102.26		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,782.76	1/4	3,501.71	1/4	3,220.64	1/4	2,939.59	1/4	2,658.52	1/4	2,377.48	1/4	2,096.40		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,776.90	1/2	3,495.86	1/2	3,214.79	1/2	2,933.74	1/2	2,652.67	1/2	2,371.62	1/2	2,090.55		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,771.05	3/4	3,490.00	3/4	3,208.93	3/4	2,927.88	3/4	2,646.81	3/4	2,365.76	3/4	2,084.69		
8		8		8		8	3,765.19	8	3,484.14	8	3,203.07	8	2,922.02	8	2,640.95	8	2,359.90	8	2,078.83		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,759.34	1/4	3,478.29	1/4	3,197.22	1/4	2,916.17	1/4	2,635.10	1/4	2,354.05	1/4	2,072.98		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,753.49	1/2	3,472.43	1/2	3,191.37	1/2	2,910.31	1/2	2,629.25	1/2	2,348.19	1/2	2,067.13		
3/4	3/4	3/4	7/8	3/4	3,956.95	3/4	3,747.64	3/4	3,466.57	3/4	3,185.52	3/4	2,904.45	3/4	2,623.40	3/4	2,342.33	3/4	2,061.28		
9		9		9		9	3,956.93	9	3,741.79	9	3,460.71	9	3,179.67	9	2,898.60	9	2,617.55	9	2,336.48	9	2,055.43
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,956.21	1/4	3,735.93	1/4	3,454.87	1/4	3,173.81	1/4	2,892.74	1/4	2,611.69	1/4	2,330.62	1/4	2,049.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,955.50	1/2	3,730.07	1/2	3,449.02	1/2	3,167.95	1/2	2,886.88	1/2	2,605.83	1/2	2,324.77	1/2	2,043.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,954.79	3/4	3,724.21	3/4	3,443.18	3/4	3,162.09	3/4	2,881.02	3/4	2,599.98	3/4	2,318.92	3/4	2,037.86
10		10		10		10	3,954.07	10	3,718.36	10	3,437.33	10	3,156.24	10	2,875.17	10	2,594.12	10	2,313.07	10	2,032.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,952.45	1/4	3,712.50	1/4	3,431.47	1/4	3,150.38	1/4	2,869.32	1/4	2,588.26	1/4	2,307.21	1/4	2,026.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,950.82	1/2	3,706.64	1/2	3,425.61	1/2	3,144.52	1/2	2,863.46	1/2	2,582.40	1/2	2,301.36	1/2	2,020.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,949.20	3/4	3,700.79	3/4	3,419.74	3/4	3,138.67	3/4	2,857.61	3/4	2,576.55	3/4	2,295.50	3/4	2,014.43
11		11		11		11	3,947.57	11	3,694.93	11	3,413.88	11	3,132.81	11	2,851.76	11	2,570.69	11	2,289.64	11	2,008.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,944.96	1/4	3,689.08	1/4	3,408.02	1/4	3,126.96	1/4	2,845.91	1/4	2,564.84	1/4	2,283.79	1/4	2,002.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,942.33	1/2	3,683.23	1/2	3,402.17	1/2	3,121.11	1/2	2,840.05	1/2	2,558.99	1/2	2,277.93	1/2	1,996.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,939.75	3/4	3,677.37	3/4	3,396.31	3/4	3,115.26	3/4	2,834.19	3/4	2,553.14	3/4	2,272.07	3/4	1,991.02

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 27'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CBC 27"

3 CENTER ULLAGE TABLE

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

FORMERLY "KIRBY 10047"

GAUGE HEIGHT 17'-02"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,985.17	0	1,704.10	0	1,423.05	0	1,141.98	0	860.93	0	579.86	0	298.81	0	20.69	0		0	
1/4	1,979.31	1/4	1,698.29	1/4	1,417.19	1/4	1,136.12	1/4	855.07	1/4	574.00	1/4	292.95	1/4	17.27	1/4		1/4	
1/2	1,973.45	1/2	1,692.48	1/2	1,411.33	1/2	1,130.26	1/2	849.21	1/2	568.14	1/2	287.10	1/2	13.86	1/2		1/2	
3/4	1,967.59	3/4	1,686.67	3/4	1,405.48	3/4	1,124.40	3/4	843.36	3/4	562.29	3/4	281.24	3/4	10.44	3/4		3/4	
1	1,961.74	1	1,680.86	1	1,399.62	1	1,118.55	1	837.50	1	556.43	1	275.38	1	7.02	1		1	
1/4	1,955.88	1/4	1,674.96	1/4	1,393.76	1/4	1,112.70	1/4	831.64	1/4	550.46	1/4	269.53	1/4	5.56	1/4		1/4	
1/2	1,950.02	1/2	1,669.06	1/2	1,387.90	1/2	1,106.85	1/2	825.79	1/2	544.49	1/2	263.68	1/2	4.10	1/2		1/2	
3/4	1,944.17	3/4	1,663.16	3/4	1,382.05	3/4	1,100.99	3/4	819.93	3/4	538.52	3/4	257.83	3/4	2.63	3/4		3/4	
2	1,938.31	2	1,657.26	2	1,376.19	2	1,095.14	2	814.07	2	532.55	2	251.98	2	1.17	2		2	
1/4	1,932.45	1/4	1,651.41	1/4	1,370.34	1/4	1,089.29	1/4	808.22	1/4	526.81	1/4	246.12	1/4		1/4		1/4	
1/2	1,926.60	1/2	1,645.55	1/2	1,364.49	1/2	1,083.43	1/2	802.37	1/2	521.07	1/2	240.26	1/2		1/2		1/2	
3/4	1,920.74	3/4	1,639.69	3/4	1,358.64	3/4	1,077.57	3/4	796.52	3/4	515.33	3/4	234.40	3/4		3/4		3/4	
3	1,914.88	3	1,633.83	3	1,352.79	3	1,071.71	3	790.67	3	509.60	3	228.55	3		3		3	
1/4	1,909.03	1/4	1,627.98	1/4	1,346.93	1/4	1,065.86	1/4	784.81	1/4	503.74	1/4	222.69	1/4		1/4		1/4	
1/2	1,903.18	1/2	1,622.12	1/2	1,341.07	1/2	1,060.00	1/2	778.95	1/2	497.88	1/2	216.83	1/2		1/2		1/2	
3/4	1,897.33	3/4	1,616.26	3/4	1,335.21	3/4	1,054.14	3/4	773.09	3/4	492.02	3/4	210.98	3/4		3/4		3/4	
4	1,891.48	4	1,610.40	4	1,329.36	4	1,048.29	4	767.24	4	486.17	4	205.12	4		4		4	
1/4	1,885.62	1/4	1,604.55	1/4	1,323.50	1/4	1,042.43	1/4	761.38	1/4	480.31	1/4	199.27	1/4		1/4		1/4	
1/2	1,879.76	1/2	1,598.70	1/2	1,317.64	1/2	1,036.58	1/2	755.52	1/2	474.45	1/2	193.42	1/2		1/2		1/2	
3/4	1,873.90	3/4	1,592.85	3/4	1,311.79	3/4	1,030.73	3/4	749.67	3/4	468.60	3/4	187.57	3/4		3/4		3/4	
5	1,868.05	5	1,587.00	5	1,305.93	5	1,024.88	5	743.81	5	462.74	5	181.71	5		5		5	
1/4	1,862.19	1/4	1,581.14	1/4	1,300.07	1/4	1,019.02	1/4	737.95	1/4	456.89	1/4	175.86	1/4		1/4		1/4	
1/2	1,856.33	1/2	1,575.29	1/2	1,294.21	1/2	1,013.17	1/2	732.10	1/2	451.04	1/2	170.00	1/2		1/2		1/2	
3/4	1,850.48	3/4	1,569.43	3/4	1,288.36	3/4	1,007.31	3/4	726.24	3/4	445.18	3/4	164.14	3/4		3/4		3/4	
6	1,844.62	6	1,563.57	6	1,282.50	6	1,001.45	6	720.38	6	439.33	6	158.29	6		6		6	
1/4	1,838.77	1/4	1,557.71	1/4	1,276.65	1/4	995.60	1/4	714.53	1/4	433.48	1/4	152.43	1/4		1/4		1/4	
1/2	1,832.92	1/2	1,551.86	1/2	1,270.80	1/2	989.74	1/2	708.68	1/2	427.62	1/2	146.57	1/2		1/2		1/2	
3/4	1,827.07	3/4	1,546.00	3/4	1,264.95	3/4	983.88	3/4	702.83	3/4	421.76	3/4	140.71	3/4		3/4		3/4	
7	1,821.21	7	1,540.14	7	1,259.10	7	978.02	7	696.98	7	415.90	7	134.86	7		7		7	
1/4	1,815.36	1/4	1,534.29	1/4	1,253.24	1/4	972.17	1/4	691.12	1/4	410.11	1/4	129.00	1/4		1/4		1/4	
1/2	1,809.50	1/2	1,528.43	1/2	1,247.38	1/2	966.31	1/2	685.26	1/2	404.31	1/2	123.14	1/2		1/2		1/2	
3/4	1,803.64	3/4	1,522.57	3/4	1,241.52	3/4	960.45	3/4	679.40	3/4	398.51	3/4	117.29	3/4		3/4		3/4	
8	1,797.79	8	1,516.71	8	1,235.67	8	954.60	8	673.55	8	392.71	8	111.43	8		8		8	
1/4	1,791.93	1/4	1,510.86	1/4	1,229.81	1/4	948.74	1/4	667.69	1/4	386.80	1/4	105.58	1/4		1/4		1/4	
1/2	1,786.07	1/2	1,505.01	1/2	1,223.95	1/2	942.89	1/2	661.83	1/2	380.89	1/2	99.73	1/2		1/2		1/2	
3/4	1,780.21	3/4	1,499.16	3/4	1,218.10	3/4	937.04	3/4	655.98	3/4	374.98	3/4	93.87	3/4		3/4		3/4	
9	1,774.36	9	1,493.31	9	1,212.24	9	931.19	9	650.12	9	369.07	9	88.02	9		9		9	
1/4	1,768.51	1/4	1,487.45	1/4	1,206.39	1/4	925.33	1/4	644.27	1/4	363.21	1/4	82.17	1/4		1/4		1/4	
1/2	1,762.65	1/2	1,481.60	1/2	1,200.54	1/2	919.48	1/2	638.42	1/2	357.36	1/2	76.31	1/2		1/2		1/2	
3/4	1,756.80	3/4	1,475.74	3/4	1,194.68	3/4	913.62	3/4	632.57	3/4	351.50	3/4	70.45	3/4		3/4		3/4	
10	1,750.95	10	1,469.88	10	1,188.83	10	907.76	10	626.71	10	345.64	10	64.60	10		10		10	
1/4	1,745.11	1/4	1,464.02	1/4	1,182.98	1/4	901.90	1/4	620.86	1/4	339.79	1/4	58.74	1/4		1/4		1/4	
1/2	1,739.26	1/2	1,458.17	1/2	1,177.12	1/2	896.05	1/2	615.00	1/2	333.93	1/2	52.88	1/2		1/2		1/2	
3/4	1,733.42	3/4	1,452.31	3/4	1,171.26	3/4	890.19	3/4	609.14	3/4	328.07	3/4	47.02	3/4		3/4		3/4	
11	1,727.57	11	1,446.45	11	1,165.41	11	884.33	11	603.29	11	322.21	11	41.17	11		11		11	
1/4	1,721.70	1/4	1,440.60	1/4	1,159.55	1/4	878.48	1/4	597.43	1/4	316.36	1/4	36.05	1/4		1/4		1/4	
1/2	1,715.83	1/2	1,434.75	1/2	1,153.69	1/2	872.63	1/2	591.57	1/2	310.51	1/2	30.93	1/2		1/2		1/2	
3/4	1,709.96	3/4	1,428.90	3/4	1,147.83	3/4	866.78	3/4	585.71	3/4	304.66	3/4	25.81	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/24/1991 CTC
REPRINTED: 05/26/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2015

PRECISION MEASUREMENT
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Pearland, Texas 77588
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BARGE "CBC 27"

2 CENTER ULLAGE TABLE

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

FORMERLY "KIRBY 10047"

GAUGE HEIGHT 17'-02 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0		0		0		0	3,584.71	0	3,345.31	0	3,089.33	0	2,833.83	0	2,578.10	0	2,322.36	0	2,066.57		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,581.65	1/4	3,339.98	1/4	3,084.07	1/4	2,828.51	1/4	2,572.77	1/4	2,317.03	1/4	2,061.26		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,578.60	1/2	3,334.65	1/2	3,078.80	1/2	2,823.18	1/2	2,567.44	1/2	2,311.70	1/2	2,055.94		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,575.54	3/4	3,329.33	3/4	3,073.53	3/4	2,817.85	3/4	2,562.11	3/4	2,306.37	3/4	2,050.63		
1		1		1		1	3,572.48	1	3,324.00	1	3,068.26	1	2,812.52	1	2,556.79	1	2,301.05	1	2,045.31		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,568.50	1/4	3,318.67	1/4	3,062.93	1/4	2,807.20	1/4	2,551.45	1/4	2,295.70	1/4	2,039.98		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,564.52	1/2	3,313.35	1/2	3,057.61	1/2	2,801.87	1/2	2,546.12	1/2	2,290.36	1/2	2,034.64		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,560.55	3/4	3,308.02	3/4	3,052.28	3/4	2,796.54	3/4	2,540.79	3/4	2,285.01	3/4	2,029.31		
2		2		2		2	3,556.57	2	3,302.69	2	3,046.95	2	2,791.21	2	2,535.45	2	2,279.67	2	2,023.98		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,551.71	1/4	3,297.36	1/4	3,041.62	1/4	2,785.88	1/4	2,530.13	1/4	2,274.35	1/4	2,018.65		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,546.85	1/2	3,292.04	1/2	3,036.30	1/2	2,780.55	1/2	2,524.80	1/2	2,269.04	1/2	2,013.32		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,541.98	3/4	3,286.71	3/4	3,030.97	3/4	2,775.21	3/4	2,519.47	3/4	2,263.72	3/4	2,007.99		
3		3		3		3	3,537.12	3	3,281.38	3	3,025.64	3	2,769.88	3	2,514.14	3	2,258.41	3	2,002.67		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,531.79	1/4	3,276.05	1/4	3,020.31	1/4	2,764.55	1/4	2,508.82	1/4	2,253.08	1/4	1,997.34		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,526.46	1/2	3,270.71	1/2	3,014.98	1/2	2,759.23	1/2	2,503.49	1/2	2,247.75	1/2	1,992.01		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,521.14	3/4	3,265.38	3/4	3,009.64	3/4	2,753.90	3/4	2,498.16	3/4	2,242.42	3/4	1,986.68		
4		4		4		4	3,515.81	4	3,260.05	4	3,004.31	4	2,748.57	4	2,492.83	4	2,237.10	4	1,981.36		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,510.46	1/4	3,254.72	1/4	2,998.98	1/4	2,743.24	1/4	2,487.51	1/4	2,231.77	1/4	1,976.03		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,505.12	1/2	3,249.39	1/2	2,993.65	1/2	2,737.92	1/2	2,482.18	1/2	2,226.44	1/2	1,970.70		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,499.77	3/4	3,244.07	3/4	2,988.33	3/4	2,732.59	3/4	2,476.85	3/4	2,221.11	3/4	1,965.38		
5		5		5		5	3,494.43	5	3,238.74	5	2,983.00	5	2,727.26	5	2,471.52	5	2,215.79	5	1,960.05		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,489.11	1/4	3,233.41	1/4	2,977.67	1/4	2,721.93	1/4	2,466.20	1/4	2,210.46	1/4	1,954.72		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,483.80	1/2	3,228.08	1/2	2,972.35	1/2	2,716.61	1/2	2,460.87	1/2	2,205.13	1/2	1,949.39		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,478.48	3/4	3,222.76	3/4	2,967.02	3/4	2,711.28	3/4	2,455.54	3/4	2,199.80	3/4	1,944.07		
6		6		6		6	3,473.17	6	3,217.43	6	2,961.69	6	2,705.95	6	2,450.21	6	2,194.48	6	1,938.74		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,467.84	1/4	3,212.10	1/4	2,956.37	1/4	2,700.63	1/4	2,444.89	1/4	2,189.15	1/4	1,933.41		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,462.51	1/2	3,206.77	1/2	2,951.06	1/2	2,695.30	1/2	2,439.56	1/2	2,183.82	1/2	1,928.08		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,457.18	3/4	3,201.45	3/4	2,945.74	3/4	2,689.97	3/4	2,434.23	3/4	2,178.49	3/4	1,922.76		
7		7		7		7	3,451.86	7	3,196.12	7	2,940.43	7	2,684.64	7	2,428.90	7	2,173.17	7	1,917.43		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,446.53	1/4	3,190.79	1/4	2,935.09	1/4	2,679.32	1/4	2,423.57	1/4	2,167.84	1/4	1,912.10		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,441.20	1/2	3,185.46	1/2	2,929.75	1/2	2,673.99	1/2	2,418.24	1/2	2,162.51	1/2	1,906.77		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,435.88	3/4	3,180.14	3/4	2,924.41	3/4	2,668.66	3/4	2,412.90	3/4	2,157.18	3/4	1,901.45		
8		8		8		8	3,430.55	8	3,174.81	8	2,919.07	8	2,663.33	8	2,407.57	8	2,151.86	8	1,896.12		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,425.21	1/4	3,169.48	1/4	2,913.74	1/4	2,658.01	1/4	2,402.25	1/4	2,146.53	1/4	1,890.79		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,419.87	1/2	3,164.15	1/2	2,908.42	1/2	2,652.68	1/2	2,396.93	1/2	2,141.20	1/2	1,885.46		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,414.53	3/4	3,158.83	3/4	2,903.09	3/4	2,647.35	3/4	2,391.61	3/4	2,135.87	3/4	1,880.14		
9		9		9 1/8		9	3,599.71	9	3,409.19	9	3,153.50	9	2,897.76	9	2,642.02	9	2,386.29	9	2,130.55	9	1,874.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,599.69	1/4	3,403.87	1/4	3,148.17	1/4	2,892.43	1/4	2,636.70	1/4	2,380.96	1/4	2,125.22	1/4	1,869.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,598.24	1/2	3,398.56	1/2	3,142.85	1/2	2,887.11	1/2	2,631.37	1/2	2,375.63	1/2	2,119.89	1/2	1,864.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,598.79	3/4	3,393.24	3/4	3,137.52	3/4	2,881.78	3/4	2,626.04	3/4	2,370.30	3/4	2,114.57	3/4	1,858.83
10		10		10		10	3,598.33	10	3,387.93	10	3,132.19	10	2,876.45	10	2,620.71	10	2,364.98	10	2,109.24	10	1,853.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,597.08	1/4	3,382.59	1/4	3,126.86	1/4	2,871.13	1/4	2,615.39	1/4	2,359.65	1/4	2,103.91	1/4	1,848.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,595.83	1/2	3,377.25	1/2	3,121.54	1/2	2,865.80	1/2	2,610.06	1/2	2,354.32	1/2	2,098.58	1/2	1,842.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,594.58	3/4	3,371.91	3/4	3,116.21	3/4	2,860.47	3/4	2,604.73	3/4	2,348.99	3/4	2,093.26	3/4	1,837.52
11		11		11		11	3,593.33	11	3,366.57	11	3,110.88	11	2,855.14	11	2,599.40	11	2,343.67	11	2,087.93	11	1,832.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,591.18	1/4	3,361.26	1/4	3,105.49	1/4	2,849.82	1/4	2,594.08	1/4	2,338.34	1/4	2,082.59	1/4	1,826.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,589.02	1/2	3,355.94	1/2	3,100.11	1/2	2,844.49	1/2	2,588.75	1/2	2,333.01	1/2	2,077.25	1/2	1,821.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,586.87	3/4	3,350.63	3/4	3,094.72	3/4	2,839.16	3/4	2,583.42	3/4	2,327.68	3/4	2,071.91	3/4	1,816.21

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CBC 27"

2 CENTER ULLAGE TABLE

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

FORMERLY "KIRBY 10047"

GAUGE HEIGHT 17'-02 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	1,810.88	0	1,555.12	0	1,299.38	0	1,043.64	0	787.91	0	532.31	0	277.22	0	23.24	0		0	
1/4	1,805.55	1/4	1,549.79	1/4	1,294.05	1/4	1,038.32	1/4	782.58	1/4	527.00	1/4	271.89	1/4	19.70	1/4		1/4	
1/2	1,800.21	1/2	1,544.47	1/2	1,288.73	1/2	1,032.99	1/2	777.25	1/2	521.69	1/2	266.56	1/2	16.15	1/2		1/2	
3/4	1,794.88	3/4	1,539.14	3/4	1,283.40	3/4	1,027.66	3/4	771.92	3/4	516.38	3/4	261.23	3/4	12.61	3/4		3/4	
1	1,789.55	1	1,533.81	1	1,278.07	1	1,022.33	1	766.60	1	511.07	1	255.91	1	9.07	1		1	
1/4	1,784.22	1/4	1,528.48	1/4	1,272.74	1/4	1,017.01	1/4	761.27	1/4	505.76	1/4	250.58	1/4	7.18	1/4		1/4	
1/2	1,778.89	1/2	1,523.16	1/2	1,267.42	1/2	1,011.68	1/2	755.94	1/2	500.45	1/2	245.25	1/2	5.29	1/2		1/2	
3/4	1,773.57	3/4	1,517.83	3/4	1,262.09	3/4	1,006.35	3/4	750.61	3/4	495.14	3/4	239.92	3/4	3.39	3/4		3/4	
2	1,768.24	2	1,512.50	2	1,256.76	2	1,001.02	2	745.29	2	489.83	2	234.60	2	1.50	2		2	
1/4	1,762.91	1/4	1,507.17	1/4	1,251.43	1/4	995.70	1/4	739.96	1/4	484.52	1/4	229.27	1/4	1.07	1/4		1/4	
1/2	1,757.58	1/2	1,501.85	1/2	1,246.11	1/2	990.37	1/2	734.63	1/2	479.21	1/2	223.94	1/2		1/2		1/2	
3/4	1,752.26	3/4	1,496.52	3/4	1,240.78	3/4	985.04	3/4	729.30	3/4	473.90	3/4	218.61	3/4		3/4		3/4	
3	1,746.93	3	1,491.19	3	1,235.45	3	979.71	3	723.98	3	468.60	3	213.29	3		3		3	
1/4	1,741.60	1/4	1,485.86	1/4	1,230.13	1/4	974.39	1/4	718.65	1/4	463.29	1/4	207.96	1/4		1/4		1/4	
1/2	1,736.26	1/2	1,480.54	1/2	1,224.80	1/2	969.06	1/2	713.32	1/2	457.98	1/2	202.63	1/2		1/2		1/2	
3/4	1,730.93	3/4	1,475.21	3/4	1,219.47	3/4	963.73	3/4	707.99	3/4	452.67	3/4	197.30	3/4		3/4		3/4	
4	1,725.60	4	1,469.88	4	1,214.14	4	958.40	4	702.67	4	447.36	4	191.98	4		4		4	
1/4	1,720.27	1/4	1,464.55	1/4	1,208.82	1/4	953.08	1/4	697.34	1/4	442.05	1/4	186.65	1/4		1/4		1/4	
1/2	1,714.95	1/2	1,459.23	1/2	1,203.49	1/2	947.75	1/2	692.01	1/2	436.74	1/2	181.32	1/2		1/2		1/2	
3/4	1,709.63	3/4	1,453.90	3/4	1,198.16	3/4	942.42	3/4	686.68	3/4	431.43	3/4	175.99	3/4		3/4		3/4	
5	1,704.31	5	1,448.57	5	1,192.83	5	937.10	5	681.36	5	426.12	5	170.67	5		5		5	
1/4	1,698.99	1/4	1,443.24	1/4	1,187.51	1/4	931.77	1/4	676.03	1/4	420.82	1/4	165.34	1/4		1/4		1/4	
1/2	1,693.68	1/2	1,437.92	1/2	1,182.18	1/2	926.44	1/2	670.70	1/2	415.51	1/2	160.01	1/2		1/2		1/2	
3/4	1,688.36	3/4	1,432.59	3/4	1,176.85	3/4	921.11	3/4	665.38	3/4	410.21	3/4	154.68	3/4		3/4		3/4	
6	1,683.05	6	1,427.26	6	1,171.52	6	915.79	6	660.05	6	404.90	6	149.36	6		6		6	
1/4	1,677.71	1/4	1,421.93	1/4	1,166.20	1/4	910.45	1/4	654.72	1/4	399.59	1/4	144.03	1/4		1/4		1/4	
1/2	1,672.37	1/2	1,416.61	1/2	1,160.87	1/2	905.11	1/2	649.39	1/2	394.29	1/2	138.70	1/2		1/2		1/2	
3/4	1,667.03	3/4	1,411.28	3/4	1,155.54	3/4	899.77	3/4	644.07	3/4	388.98	3/4	133.38	3/4		3/4		3/4	
7	1,661.69	7	1,405.95	7	1,150.21	7	894.43	7	638.74	7	383.67	7	128.05	7		7		7	
1/4	1,656.36	1/4	1,400.63	1/4	1,144.89	1/4	889.11	1/4	633.41	1/4	378.36	1/4	122.72	1/4		1/4		1/4	
1/2	1,651.04	1/2	1,395.30	1/2	1,139.56	1/2	883.80	1/2	628.08	1/2	373.05	1/2	117.39	1/2		1/2		1/2	
3/4	1,645.71	3/4	1,389.97	3/4	1,134.23	3/4	878.48	3/4	622.76	3/4	367.74	3/4	112.07	3/4		3/4		3/4	
8	1,640.38	8	1,384.64	8	1,128.90	8	873.17	8	617.43	8	362.43	8	106.74	8		8		8	
1/4	1,635.05	1/4	1,379.32	1/4	1,123.58	1/4	867.84	1/4	612.10	1/4	357.11	1/4	101.41	1/4		1/4		1/4	
1/2	1,629.73	1/2	1,373.99	1/2	1,118.25	1/2	862.51	1/2	606.77	1/2	351.79	1/2	96.08	1/2		1/2		1/2	
3/4	1,624.40	3/4	1,368.66	3/4	1,112.92	3/4	857.18	3/4	601.45	3/4	346.47	3/4	90.76	3/4		3/4		3/4	
9	1,619.07	9	1,363.33	9	1,107.60	9	851.86	9	596.12	9	341.14	9	85.43	9		9		9	
1/4	1,613.74	1/4	1,358.01	1/4	1,102.27	1/4	846.53	1/4	590.79	1/4	335.82	1/4	80.10	1/4		1/4		1/4	
1/2	1,608.42	1/2	1,352.68	1/2	1,096.94	1/2	841.20	1/2	585.46	1/2	330.49	1/2	74.77	1/2		1/2		1/2	
3/4	1,603.09	3/4	1,347.35	3/4	1,091.61	3/4	835.87	3/4	580.14	3/4	325.16	3/4	69.45	3/4		3/4		3/4	
10	1,597.76	10	1,342.02	10	1,086.29	10	830.55	10	574.81	10	319.83	10	64.12	10		10		10	
1/4	1,592.43	1/4	1,336.70	1/4	1,080.96	1/4	825.21	1/4	569.49	1/4	314.51	1/4	58.79	1/4		1/4		1/4	
1/2	1,587.11	1/2	1,331.37	1/2	1,075.63	1/2	819.88	1/2	564.17	1/2	309.18	1/2	53.46	1/2		1/2		1/2	
3/4	1,581.78	3/4	1,326.04	3/4	1,070.30	3/4	814.55	3/4	558.85	3/4	303.85	3/4	48.14	3/4		3/4		3/4	
11	1,576.45	11	1,320.71	11	1,064.98	11	809.22	11	553.52	11	298.52	11	42.81	11		11		11	
1/4	1,571.12	1/4	1,315.38	1/4	1,059.64	1/4	803.89	1/4	548.22	1/4	293.20	1/4	37.92	1/4		1/4		1/4	
1/2	1,565.79	1/2	1,310.05	1/2	1,054.31	1/2	798.56	1/2	542.92	1/2	287.87	1/2	33.02	1/2		1/2		1/2	
3/4	1,560.45	3/4	1,304.71	3/4	1,048.98	3/4	793.23	3/4	537.61	3/4	282.54	3/4	28.13	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/24/1991 CTC
REPRINTED: 05/26/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CBC 27"

1 CENTER ULLAGE TABLE

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

FORMERLY "KIRBY 10047"

GAUGE HEIGHT 17'-02"

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		0	3,419.10	0	3,209.05	0	2,987.26	0	2,765.26	0	2,543.24	0	2,296.83	0	2,043.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,416.24	1/4	3,204.48	1/4	2,982.64	1/4	2,760.64	1/4	2,538.61	1/4	2,291.55	1/4	2,038.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,413.38	1/2	3,199.92	1/2	2,978.01	1/2	2,756.01	1/2	2,533.99	1/2	2,286.27	1/2	2,032.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,410.52	3/4	3,195.35	3/4	2,973.39	3/4	2,751.39	3/4	2,529.36	3/4	2,280.99	3/4	2,027.54
1		1		1		1	3,407.67	1	3,190.79	1	2,968.76	1	2,746.76	1	2,524.74	1	2,275.72	1	2,022.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,404.03	1/4	3,186.16	1/4	2,964.14	1/4	2,742.14	1/4	2,520.11	1/4	2,270.44	1/4	2,016.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,400.39	1/2	3,181.54	1/2	2,959.51	1/2	2,737.51	1/2	2,515.49	1/2	2,265.16	1/2	2,011.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,396.76	3/4	3,176.91	3/4	2,954.89	3/4	2,732.89	3/4	2,510.86	3/4	2,259.88	3/4	2,006.42
2		2		2		2	3,393.12	2	3,172.29	2	2,950.26	2	2,728.26	2	2,506.24	2	2,254.60	2	2,001.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,388.79	1/4	3,167.66	1/4	2,945.64	1/4	2,723.64	1/4	2,501.45	1/4	2,249.32	1/4	1,995.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,384.45	1/2	3,163.04	1/2	2,941.01	1/2	2,719.01	1/2	2,496.65	1/2	2,244.04	1/2	1,990.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,380.12	3/4	3,158.41	3/4	2,936.39	3/4	2,714.39	3/4	2,491.86	3/4	2,238.76	3/4	1,985.29
3		3		3		3	3,375.79	3	3,153.79	3	2,931.76	3	2,709.76	3	2,487.07	3	2,233.48	3	1,980.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,371.16	1/4	3,149.16	1/4	2,927.14	1/4	2,705.14	1/4	2,481.78	1/4	2,228.20	1/4	1,974.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,366.54	1/2	3,144.54	1/2	2,922.51	1/2	2,700.51	1/2	2,476.49	1/2	2,222.92	1/2	1,969.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,361.91	3/4	3,139.91	3/4	2,917.89	3/4	2,695.89	3/4	2,471.20	3/4	2,217.64	3/4	1,964.16
4		4		4		4	3,357.29	4	3,135.29	4	2,913.26	4	2,691.26	4	2,465.90	4	2,212.36	4	1,958.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,352.66	1/4	3,130.66	1/4	2,908.64	1/4	2,686.63	1/4	2,460.61	1/4	2,207.08	1/4	1,953.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,348.04	1/2	3,126.04	1/2	2,904.01	1/2	2,682.00	1/2	2,455.31	1/2	2,201.80	1/2	1,948.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,343.41	3/4	3,121.41	3/4	2,899.39	3/4	2,677.37	3/4	2,450.01	3/4	2,196.52	3/4	1,943.04
5		5		5		5	3,338.79	5	3,116.79	5	2,894.76	5	2,672.74	5	2,444.71	5	2,191.24	5	1,937.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,334.16	1/4	3,112.11	1/4	2,890.14	1/4	2,668.11	1/4	2,439.43	1/4	2,185.96	1/4	1,932.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,329.54	1/2	3,107.44	1/2	2,885.51	1/2	2,663.49	1/2	2,434.14	1/2	2,180.68	1/2	1,927.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,324.91	3/4	3,102.77	3/4	2,880.89	3/4	2,658.86	3/4	2,428.86	3/4	2,175.40	3/4	1,921.92
6		6		6		6	3,320.29	6	3,098.10	6	2,876.26	6	2,654.24	6	2,423.57	6	2,170.12	6	1,916.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,315.66	1/4	3,093.52	1/4	2,871.64	1/4	2,649.61	1/4	2,418.29	1/4	2,164.83	1/4	1,911.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,311.04	1/2	3,088.94	1/2	2,867.01	1/2	2,644.99	1/2	2,413.01	1/2	2,159.55	1/2	1,906.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,306.41	3/4	3,084.36	3/4	2,862.39	3/4	2,640.36	3/4	2,407.73	3/4	2,154.26	3/4	1,900.80
7		7		7		7	3,301.79	7	3,079.79	7	2,857.76	7	2,635.74	7	2,402.45	7	2,148.98	7	1,895.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,297.16	1/4	3,075.16	1/4	2,853.14	1/4	2,631.11	1/4	2,397.17	1/4	2,143.70	1/4	1,890.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,292.54	1/2	3,070.54	1/2	2,848.51	1/2	2,626.49	1/2	2,391.88	1/2	2,138.42	1/2	1,884.96
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,287.91	3/4	3,065.91	3/4	2,843.89	3/4	2,621.86	3/4	2,386.60	3/4	2,133.14	3/4	1,879.68
8		8		8		8	3,283.29	8	3,061.29	8	2,839.26	8	2,617.24	8	2,381.31	8	2,127.86	8	1,874.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,278.66	1/4	3,056.65	1/4	2,834.64	1/4	2,612.61	1/4	2,376.03	1/4	2,122.58	1/4	1,869.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,274.04	1/2	3,052.02	1/2	2,830.01	1/2	2,607.99	1/2	2,370.75	1/2	2,117.30	1/2	1,863.85
3/4	3/4	3/4	7/8	3/4	3,434.76	3/4	3,269.41	3/4	3,047.39	3/4	2,825.39	3/4	2,603.36	3/4	2,365.47	3/4	2,112.02	3/4	1,858.57
9		9		9		9	3,434.74	9	3,264.79	9	3,042.76	9	2,820.76	9	2,598.74	9	2,106.74	9	1,853.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,434.17	1/4	3,260.16	1/4	3,038.14	1/4	2,816.14	1/4	2,594.11	1/4	2,101.46	1/4	1,848.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,433.61	1/2	3,255.54	1/2	3,033.51	1/2	2,811.51	1/2	2,589.49	1/2	2,096.18	1/2	1,842.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,433.04	3/4	3,250.91	3/4	3,028.89	3/4	2,806.89	3/4	2,584.86	3/4	2,344.35	3/4	2,090.90
10		10		10		10	3,432.48	10	3,246.29	10	3,024.26	10	2,802.26	10	2,580.24	10	2,339.07	10	2,085.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,431.20	1/4	3,241.66	1/4	3,019.64	1/4	2,797.64	1/4	2,575.61	1/4	2,333.79	1/4	2,080.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,429.92	1/2	3,237.04	1/2	3,015.01	1/2	2,793.01	1/2	2,570.99	1/2	2,328.51	1/2	2,075.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,428.64	3/4	3,232.41	3/4	3,010.39	3/4	2,788.39	3/4	2,566.36	3/4	2,323.23	3/4	2,069.78
11		11		11		11	3,427.36	11	3,227.79	11	3,005.76	11	2,783.76	11	2,561.74	11	2,317.95	11	2,064.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,425.29	1/4	3,223.10	1/4	3,001.14	1/4	2,779.14	1/4	2,557.11	1/4	2,312.67	1/4	2,059.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,423.23	1/2	3,218.42	1/2	2,996.51	1/2	2,774.51	1/2	2,552.49	1/2	2,307.39	1/2	2,053.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,421.16	3/4	3,213.73	3/4	2,991.89	3/4	2,769.89	3/4	2,547.86	3/4	2,302.11	3/4	2,048.66

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 18'-01" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CBC 27"

1 CENTER ULLAGE TABLE

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

FORMERLY "KIRBY 10047"

GAUGE HEIGHT 17'-02"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,789.91	0	1,536.45	0	1,282.98	0	1,029.69	0	776.45	0	523.21	0	269.91	0	18.71	0		0	
1/4	1,784.63	1/4	1,531.17	1/4	1,277.70	1/4	1,024.42	1/4	771.18	1/4	517.94	1/4	264.63	1/4	15.62	1/4		1/4	
1/2	1,779.35	1/2	1,525.89	1/2	1,272.42	1/2	1,019.14	1/2	765.90	1/2	512.67	1/2	259.35	1/2	12.54	1/2		1/2	
3/4	1,774.07	3/4	1,520.61	3/4	1,267.14	3/4	1,013.87	3/4	760.63	3/4	507.39	3/4	254.07	3/4	9.45	3/4		3/4	
1	1,768.79	1	1,515.33	1	1,261.86	1	1,008.60	1	755.36	1	502.12	1	248.79	1	6.36	1		1	
1/4	1,763.51	1/4	1,510.05	1/4	1,256.58	1/4	1,003.32	1/4	750.07	1/4	496.84	1/4	243.51	1/4	5.04	1/4		1/4	
1/2	1,758.23	1/2	1,504.77	1/2	1,251.30	1/2	998.05	1/2	744.77	1/2	491.56	1/2	238.23	1/2	3.71	1/2		1/2	
3/4	1,752.95	3/4	1,499.49	3/4	1,246.02	3/4	992.77	3/4	739.48	3/4	486.28	3/4	232.95	3/4	2.39	3/4		3/4	
2	1,747.67	2	1,494.21	2	1,240.74	2	987.50	2	734.19	2	481.00	2	227.67	2	1.07	2		2	
1/4	1,742.39	1/4	1,488.93	1/4	1,235.46	1/4	982.21	1/4	728.93	1/4	475.73	1/4	222.38	1/4	1.07	1/4		1/4	
1/2	1,737.11	1/2	1,483.64	1/2	1,230.19	1/2	976.92	1/2	723.67	1/2	470.45	1/2	217.10	1/2		1/2		1/2	
3/4	1,731.83	3/4	1,478.36	3/4	1,224.92	3/4	971.63	3/4	718.40	3/4	465.18	3/4	211.81	3/4		3/4		3/4	
3	1,726.55	3	1,473.07	3	1,219.64	3	966.33	3	713.14	3	459.90	3	206.52	3		3		3	
1/4	1,721.27	1/4	1,467.79	1/4	1,214.35	1/4	961.07	1/4	707.87	1/4	454.63	1/4	201.24	1/4		1/4		1/4	
1/2	1,715.99	1/2	1,462.51	1/2	1,209.06	1/2	955.81	1/2	702.60	1/2	449.36	1/2	195.96	1/2		1/2		1/2	
3/4	1,710.71	3/4	1,457.23	3/4	1,203.77	3/4	950.55	3/4	697.32	3/4	444.08	3/4	190.68	3/4		3/4		3/4	
4	1,705.43	4	1,451.95	4	1,198.48	4	945.29	4	692.05	4	438.81	4	185.40	4		4		4	
1/4	1,700.15	1/4	1,446.67	1/4	1,193.21	1/4	940.01	1/4	686.77	1/4	433.53	1/4	180.12	1/4		1/4		1/4	
1/2	1,694.87	1/2	1,441.39	1/2	1,187.95	1/2	934.74	1/2	681.49	1/2	428.25	1/2	174.83	1/2		1/2		1/2	
3/4	1,689.59	3/4	1,436.11	3/4	1,182.69	3/4	929.46	3/4	676.21	3/4	422.97	3/4	169.55	3/4		3/4		3/4	
5	1,684.31	5	1,430.83	5	1,177.43	5	924.19	5	670.93	5	417.69	5	164.26	5		5		5	
1/4	1,679.03	1/4	1,425.55	1/4	1,172.15	1/4	918.91	1/4	665.65	1/4	412.42	1/4	158.97	1/4		1/4		1/4	
1/2	1,673.75	1/2	1,420.27	1/2	1,166.87	1/2	913.63	1/2	660.38	1/2	407.14	1/2	153.68	1/2		1/2		1/2	
3/4	1,668.47	3/4	1,414.99	3/4	1,161.59	3/4	908.35	3/4	655.11	3/4	401.87	3/4	148.39	3/4		3/4		3/4	
6	1,663.19	6	1,409.72	6	1,156.31	6	903.07	6	649.83	6	396.60	6	143.10	6		6		6	
1/4	1,657.91	1/4	1,404.44	1/4	1,151.04	1/4	897.80	1/4	644.56	1/4	391.32	1/4	137.80	1/4		1/4		1/4	
1/2	1,652.62	1/2	1,399.16	1/2	1,145.76	1/2	892.52	1/2	639.29	1/2	386.04	1/2	132.50	1/2		1/2		1/2	
3/4	1,647.33	3/4	1,393.88	3/4	1,140.49	3/4	887.25	3/4	634.01	3/4	380.76	3/4	127.20	3/4		3/4		3/4	
7	1,642.05	7	1,388.60	7	1,135.21	7	881.98	7	628.74	7	375.48	7	121.91	7		7		7	
1/4	1,636.77	1/4	1,383.32	1/4	1,129.94	1/4	876.70	1/4	623.46	1/4	370.20	1/4	116.61	1/4		1/4		1/4	
1/2	1,631.49	1/2	1,378.04	1/2	1,124.67	1/2	871.43	1/2	618.18	1/2	364.93	1/2	111.32	1/2		1/2		1/2	
3/4	1,626.21	3/4	1,372.76	3/4	1,119.39	3/4	866.15	3/4	612.90	3/4	359.66	3/4	106.03	3/4		3/4		3/4	
8	1,620.93	8	1,367.48	8	1,114.12	8	860.88	8	607.62	8	354.38	8	100.74	8		8		8	
1/4	1,615.65	1/4	1,362.20	1/4	1,108.84	1/4	855.60	1/4	602.35	1/4	349.10	1/4	95.45	1/4		1/4		1/4	
1/2	1,610.37	1/2	1,356.92	1/2	1,103.56	1/2	850.32	1/2	597.07	1/2	343.82	1/2	90.16	1/2		1/2		1/2	
3/4	1,605.09	3/4	1,351.64	3/4	1,098.28	3/4	845.04	3/4	591.80	3/4	338.54	3/4	84.86	3/4		3/4		3/4	
9	1,599.81	9	1,346.36	9	1,093.00	9	839.76	9	586.52	9	333.26	9	79.57	9		9		9	
1/4	1,594.53	1/4	1,341.08	1/4	1,087.73	1/4	834.49	1/4	581.25	1/4	327.98	1/4	74.28	1/4		1/4		1/4	
1/2	1,589.25	1/2	1,335.80	1/2	1,082.45	1/2	829.21	1/2	575.98	1/2	322.70	1/2	68.99	1/2		1/2		1/2	
3/4	1,583.97	3/4	1,330.52	3/4	1,077.18	3/4	823.94	3/4	570.70	3/4	317.42	3/4	63.70	3/4		3/4		3/4	
10	1,578.69	10	1,325.24	10	1,071.90	10	818.67	10	565.43	10	312.14	10	58.41	10		10		10	
1/4	1,573.41	1/4	1,319.95	1/4	1,066.63	1/4	813.39	1/4	560.15	1/4	306.86	1/4	53.11	1/4		1/4		1/4	
1/2	1,568.13	1/2	1,314.67	1/2	1,061.36	1/2	808.12	1/2	554.87	1/2	301.58	1/2	47.82	1/2		1/2		1/2	
3/4	1,562.85	3/4	1,309.38	3/4	1,056.08	3/4	802.85	3/4	549.59	3/4	296.30	3/4	42.53	3/4		3/4		3/4	
11	1,557.57	11	1,304.10	11	1,050.81	11	797.57	11	544.31	11	291.02	11	37.24	11		11		11	
1/4	1,552.29	1/4	1,298.82	1/4	1,045.53	1/4	792.29	1/4	539.04	1/4	285.74	1/4	32.61	1/4		1/4		1/4	
1/2	1,547.01	1/2	1,293.54	1/2	1,040.25	1/2	787.01	1/2	533.76	1/2	280.46	1/2	27.98	1/2		1/2		1/2	
3/4	1,541.73	3/4	1,288.26	3/4	1,034.97	3/4	781.73	3/4	528.49	3/4	275.18	3/4	23.35	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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