



# BARGE "KIRBY 14832"

# PORT

## INNAGE TABLE

## HORIZONTAL

## GAUGE HEIGHT 22'-02 1/2"

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

FORMERLY "CC 116"

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	0.00	0	150.91	0	421.12	0	762.38	0	1,155.29	0	1,587.21	0	2,048.45	0	2,530.92	0	3,027.42	0	3,531.23
1/4	0.92	1/4	155.67	1/4	427.63	1/4	770.13	1/4	1,163.96	1/4	1,596.57	1/4	2,058.33	1/4	2,541.16	1/4	3,037.87	1/4	3,541.76
1/2	1.84	1/2	160.44	1/2	434.15	1/2	777.87	1/2	1,172.62	1/2	1,605.93	1/2	2,068.20	1/2	2,551.39	1/2	3,048.31	1/2	3,552.29
3/4	2.75	3/4	165.21	3/4	440.67	3/4	785.61	3/4	1,181.28	3/4	1,615.28	3/4	2,078.08	3/4	2,561.62	3/4	3,058.76	3/4	3,562.82
1	3.67	1	169.97	1	447.18	1	793.36	1	1,189.94	1	1,624.64	1	2,087.95	1	2,571.86	1	3,069.21	1	3,573.35
1/4	5.35	1/4	174.92	1/4	453.82	1/4	801.19	1/4	1,198.67	1/4	1,634.05	1/4	2,097.86	1/4	2,582.11	1/4	3,079.67	1/4	3,583.88
1/2	7.02	1/2	179.86	1/2	460.45	1/2	809.02	1/2	1,207.40	1/2	1,643.46	1/2	2,107.77	1/2	2,592.37	1/2	3,090.13	1/2	3,594.40
3/4	8.70	3/4	184.81	3/4	467.09	3/4	816.84	3/4	1,216.13	3/4	1,652.87	3/4	2,117.68	3/4	2,602.63	3/4	3,100.59	3/4	3,604.93
2	10.37	2	189.75	2	473.72	2	824.67	2	1,224.86	2	1,662.28	2	2,127.59	2	2,612.88	2	3,111.05	2	3,615.46
1/4	12.54	1/4	194.87	1/4	480.47	1/4	832.59	1/4	1,233.65	1/4	1,671.73	1/4	2,137.54	1/4	2,623.16	1/4	3,121.53	1/4	3,625.99
1/2	14.71	1/2	199.98	1/2	487.22	1/2	840.50	1/2	1,242.44	1/2	1,681.19	1/2	2,147.48	1/2	2,633.44	1/2	3,132.00	1/2	3,636.52
3/4	16.87	3/4	205.10	3/4	493.96	3/4	848.42	3/4	1,251.24	3/4	1,690.65	3/4	2,157.43	3/4	2,643.72	3/4	3,142.47	3/4	3,647.05
3	19.04	3	210.21	3	500.71	3	856.33	3	1,260.03	3	1,700.11	3	2,167.37	3	2,654.00	3	3,152.94	3	3,657.57
1/4	21.60	1/4	215.49	1/4	507.57	1/4	864.33	1/4	1,268.88	1/4	1,709.61	1/4	2,177.35	1/4	2,664.30	1/4	3,163.42	1/4	3,668.10
1/2	24.16	1/2	220.77	1/2	514.43	1/2	872.33	1/2	1,277.74	1/2	1,719.11	1/2	2,187.33	1/2	2,674.60	1/2	3,173.90	1/2	3,678.63
3/4	26.72	3/4	226.05	3/4	521.29	3/4	880.33	3/4	1,286.60	3/4	1,728.62	3/4	2,197.31	3/4	2,684.90	3/4	3,184.38	3/4	3,689.16
4	29.28	4	231.33	4	528.15	4	888.32	4	1,295.45	4	1,738.12	4	2,207.29	4	2,695.20	4	3,194.86	4	3,699.68
1/4	32.18	1/4	236.76	1/4	535.12	1/4	896.40	1/4	1,304.37	1/4	1,747.67	1/4	2,217.30	1/4	2,705.52	1/4	3,205.35	1/4	3,710.21
1/2	35.08	1/2	242.20	1/2	542.09	1/2	904.48	1/2	1,313.28	1/2	1,757.22	1/2	2,227.31	1/2	2,715.84	1/2	3,215.84	1/2	3,720.73
3/4	37.98	3/4	247.63	3/4	549.06	3/4	912.56	3/4	1,322.20	3/4	1,766.77	3/4	2,237.32	3/4	2,726.16	3/4	3,226.33	3/4	3,731.26
5	40.88	5	253.07	5	556.02	5	920.64	5	1,331.12	5	1,776.32	5	2,247.33	5	2,736.48	5	3,236.82	5	3,741.78
1/4	44.09	1/4	258.65	1/4	563.10	1/4	928.79	1/4	1,340.10	1/4	1,785.91	1/4	2,257.37	1/4	2,746.82	1/4	3,247.32	1/4	3,752.30
1/2	47.29	1/2	264.24	1/2	570.17	1/2	936.95	1/2	1,349.07	1/2	1,795.51	1/2	2,267.42	1/2	2,757.16	1/2	3,257.82	1/2	3,762.83
3/4	50.49	3/4	269.83	3/4	577.24	3/4	945.11	3/4	1,358.05	3/4	1,805.10	3/4	2,277.46	3/4	2,767.50	3/4	3,268.32	3/4	3,773.35
6	53.69	6	275.41	6	584.32	6	953.27	6	1,367.03	6	1,814.70	6	2,287.50	6	2,777.84	6	3,278.82	6	3,783.87
1/4	57.16	1/4	281.15	1/4	591.49	1/4	961.50	1/4	1,376.06	1/4	1,824.33	1/4	2,297.57	1/4	2,788.20	1/4	3,289.32	1/4	3,794.39
1/2	60.64	1/2	286.88	1/2	598.67	1/2	969.74	1/2	1,385.10	1/2	1,833.97	1/2	2,307.65	1/2	2,798.56	1/2	3,299.83	1/2	3,804.90
3/4	64.11	3/4	292.61	3/4	605.85	3/4	977.97	3/4	1,394.13	3/4	1,843.61	3/4	2,317.72	3/4	2,808.92	3/4	3,310.33	3/4	3,815.42
7	67.59	7	298.34	7	613.02	7	986.20	7	1,403.17	7	1,853.25	7	2,327.79	7	2,819.28	7	3,320.84	7	3,825.94
1/4	71.31	1/4	304.22	1/4	620.30	1/4	994.52	1/4	1,412.26	1/4	1,862.93	1/4	2,337.89	1/4	2,829.65	1/4	3,331.35	1/4	3,836.45
1/2	75.04	1/2	310.09	1/2	627.58	1/2	1,002.83	1/2	1,421.35	1/2	1,872.61	1/2	2,348.00	1/2	2,840.03	1/2	3,341.86	1/2	3,846.96
3/4	78.77	3/4	315.97	3/4	634.86	3/4	1,011.14	3/4	1,430.45	3/4	1,882.29	3/4	2,358.10	3/4	2,850.41	3/4	3,352.37	3/4	3,857.48
8	82.49	8	321.84	8	642.13	8	1,019.45	8	1,439.54	8	1,891.97	8	2,368.20	8	2,860.78	8	3,362.88	8	3,867.99
1/4	86.45	1/4	327.85	1/4	649.51	1/4	1,027.83	1/4	1,448.69	1/4	1,901.69	1/4	2,378.33	1/4	2,871.17	1/4	3,373.40	1/4	3,878.50
1/2	90.41	1/2	333.86	1/2	656.88	1/2	1,036.21	1/2	1,457.84	1/2	1,911.41	1/2	2,388.46	1/2	2,881.57	1/2	3,383.92	1/2	3,889.00
3/4	94.37	3/4	339.87	3/4	664.26	3/4	1,044.60	3/4	1,466.99	3/4	1,921.13	3/4	2,398.59	3/4	2,891.96	3/4	3,394.43	3/4	3,899.51
9	98.33	9	345.88	9	671.63	9	1,052.98	9	1,476.13	9	1,930.85	9	2,408.72	9	2,902.35	9	3,404.95	9	3,910.02
1/4	102.51	1/4	352.02	1/4	679.10	1/4	1,061.44	1/4	1,485.34	1/4	1,940.61	1/4	2,418.88	1/4	2,912.76	1/4	3,415.47	1/4	3,920.52
1/2	106.69	1/2	358.17	1/2	686.57	1/2	1,069.89	1/2	1,494.54	1/2	1,950.38	1/2	2,429.04	1/2	2,923.17	1/2	3,425.99	1/2	3,931.02
3/4	110.86	3/4	364.31	3/4	694.04	3/4	1,078.35	3/4	1,503.74	3/4	1,960.14	3/4	2,439.19	3/4	2,933.58	3/4	3,436.51	3/4	3,941.52
10	115.04	10	370.45	10	701.51	10	1,086.81	10	1,512.95	10	1,969.90	10	2,449.35	10	2,943.98	10	3,447.03	10	3,952.02
1/4	119.43	1/4	376.72	1/4	709.08	1/4	1,095.33	1/4	1,522.20	1/4	1,979.70	1/4	2,459.54	1/4	2,954.41	1/4	3,457.56	1/4	3,962.51
1/2	123.81	1/2	382.99	1/2	716.64	1/2	1,103.86	1/2	1,531.46	1/2	1,989.50	1/2	2,469.72	1/2	2,964.83	1/2	3,468.08	1/2	3,973.00
3/4	128.20	3/4	389.27	3/4	724.20	3/4	1,112.38	3/4	1,540.72	3/4	1,999.30	3/4	2,479.90	3/4	2,975.25	3/4	3,478.60	3/4	3,983.49
11	132.58	11	395.54	11	731.77	11	1,120.91	11	1,549.97	11	2,009.10	11	2,490.09	11	2,985.67	11	3,489.13	11	3,993.99
1/4	137.16	1/4	401.93	1/4	739.42	1/4	1,129.51	1/4	1,559.28	1/4	2,018.94	1/4	2,500.30	1/4	2,996.11	1/4	3,499.65	1/4	4,004.47
1/2	141.75	1/2	408.33	1/2	747.07	1/2	1,138.10	1/2	1,568.59	1/2	2,028.78	1/2	2,510.51	1/2	3,006.55	1/2	3,510.18	1/2	4,014.95
3/4	146.33	3/4	414.72	3/4	754.73	3/4	1,146.70	3/4	1,577.90	3/4	2,038.61	3/4	2,520.71	3/4	3,016.98	3/4	3,520.71	3/4	4,025.44

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API STANDARD 2551.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 20" EXPANSION DOME AFT END OF COMPARTMENT.  
 GAUGE POINT: (MANUAL) LOCATED ON CENTERLINE AND 12'-00" FORWARD OF AFT END.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "KIRBY 14832"

## PORT INNAGE TABLE

### HORIZONTAL

GAUGE HEIGHT 22'-02 1/2"

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

FORMERLY "CC 116"

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	4,035.92	0	4,535.04	0	5,022.00	0	5,489.74	0	5,930.48	0	6,335.04	0	6,691.80	0	6,983.90	0	7,177.87	0	
1/4	4,046.39	1/4	4,545.33	1/4	5,031.95	1/4	5,499.21	1/4	5,939.28	1/4	6,342.97	1/4	6,698.58	1/4	6,989.06	1/4	7,180.15	1/4	
1/2	4,056.87	1/2	4,555.61	1/2	5,041.90	1/2	5,508.68	1/2	5,948.09	1/2	6,350.91	1/2	6,705.36	1/2	6,994.22	1/2	7,182.42	1/2	
3/4	4,067.34	3/4	4,565.90	3/4	5,051.86	3/4	5,518.15	3/4	5,956.90	3/4	6,358.84	3/4	6,712.13	3/4	6,999.37	3/4	7,184.69	3/4	
1	4,077.81	1	4,576.18	1	5,061.81	1	5,527.62	1	5,965.71	1	6,366.78	1	6,718.91	1	7,004.53	1	7,186.96	1	
1/4	4,088.28	1/4	4,586.44	1/4	5,071.73	1/4	5,537.04	1/4	5,974.45	1/4	6,374.63	1/4	6,725.57	1/4	7,009.52	1/4	7,188.77	1/4	
1/2	4,098.74	1/2	4,596.71	1/2	5,081.65	1/2	5,546.46	1/2	5,983.20	1/2	6,382.48	1/2	6,732.24	1/2	7,014.51	1/2	7,190.58	1/2	
3/4	4,109.20	3/4	4,606.97	3/4	5,091.57	3/4	5,555.88	3/4	5,991.94	3/4	6,390.33	3/4	6,738.90	3/4	7,019.49	3/4	7,192.39	3/4	
2	4,119.67	2	4,617.23	2	5,101.49	2	5,565.30	2	6,000.69	2	6,398.18	2	6,745.56	2	7,024.48	2	7,194.21	2	
1/4	4,130.12	1/4	4,627.47	1/4	5,111.37	1/4	5,574.67	1/4	6,009.37	1/4	6,405.95	1/4	6,752.11	1/4	7,029.29	1/4	7,195.37	1/4	
1/2	4,140.57	1/2	4,637.71	1/2	5,121.26	1/2	5,584.05	1/2	6,018.05	1/2	6,413.71	1/2	6,758.65	1/2	7,034.11	1/2	7,196.54	1/2	
3/4	4,151.02	3/4	4,647.95	3/4	5,131.14	3/4	5,593.42	3/4	6,026.73	3/4	6,421.48	3/4	6,765.20	3/4	7,038.92	3/4	7,197.71	3/4	
3	4,161.47	3	4,658.19	3	5,141.02	3	5,602.79	3	6,035.41	3	6,429.24	3	6,771.75	3	7,043.73	3	7,198.88	3	
1/4	4,171.91	1/4	4,668.40	1/4	5,150.87	1/4	5,612.11	1/4	6,044.02	1/4	6,436.92	1/4	6,778.17	1/4	7,048.36	1/4	7,199.34	1/4	
1/2	4,182.35	1/2	4,678.62	1/2	5,160.72	1/2	5,621.43	1/2	6,052.63	1/2	6,444.60	1/2	6,784.60	1/2	7,052.99	1/2		1/2	
3/4	4,192.79	3/4	4,688.83	3/4	5,170.57	3/4	5,630.75	3/4	6,061.24	3/4	6,452.27	3/4	6,791.02	3/4	7,057.62	3/4		3/4	
4	4,203.23	4	4,699.05	4	5,180.41	4	5,640.07	4	6,069.86	4	6,459.95	4	6,797.45	4	7,062.24	4		4	
1/4	4,213.66	1/4	4,709.24	1/4	5,190.22	1/4	5,649.34	1/4	6,078.40	1/4	6,467.54	1/4	6,803.75	1/4	7,066.68	1/4		1/4	
1/2	4,224.08	1/2	4,719.43	1/2	5,200.03	1/2	5,658.61	1/2	6,086.94	1/2	6,475.12	1/2	6,810.06	1/2	7,071.11	1/2		1/2	
3/4	4,234.51	3/4	4,729.62	3/4	5,209.84	3/4	5,667.88	3/4	6,095.49	3/4	6,482.71	3/4	6,816.36	3/4	7,075.55	3/4		3/4	
5	4,244.94	5	4,739.81	5	5,219.65	5	5,677.15	5	6,104.03	5	6,490.30	5	6,822.66	5	7,079.98	5		5	
1/4	4,255.35	1/4	4,749.98	1/4	5,229.42	1/4	5,686.37	1/4	6,112.50	1/4	6,497.79	1/4	6,828.84	1/4	7,084.21	1/4		1/4	
1/2	4,265.76	1/2	4,760.14	1/2	5,239.19	1/2	5,695.59	1/2	6,120.98	1/2	6,505.28	1/2	6,835.01	1/2	7,088.45	1/2		1/2	
3/4	4,276.17	3/4	4,770.30	3/4	5,248.97	3/4	5,704.80	3/4	6,129.45	3/4	6,512.78	3/4	6,841.19	3/4	7,092.68	3/4		3/4	
6	4,286.58	6	4,780.47	6	5,258.74	6	5,714.02	6	6,137.93	6	6,520.27	6	6,847.36	6	7,096.91	6		6	
1/4	4,296.98	1/4	4,790.61	1/4	5,268.47	1/4	5,723.18	1/4	6,146.33	1/4	6,527.67	1/4	6,853.41	1/4	7,100.92	1/4		1/4	
1/2	4,307.38	1/2	4,800.74	1/2	5,278.20	1/2	5,732.34	1/2	6,154.73	1/2	6,535.07	1/2	6,859.45	1/2	7,104.94	1/2		1/2	
3/4	4,317.77	3/4	4,810.88	3/4	5,287.93	3/4	5,741.51	3/4	6,163.13	3/4	6,542.47	3/4	6,865.49	3/4	7,108.96	3/4		3/4	
7	4,328.17	7	4,821.02	7	5,297.66	7	5,750.67	7	6,171.53	7	6,549.87	7	6,871.54	7	7,112.97	7		7	
1/4	4,338.55	1/4	4,831.13	1/4	5,307.35	1/4	5,759.78	1/4	6,179.86	1/4	6,557.17	1/4	6,877.44	1/4	7,116.76	1/4		1/4	
1/2	4,348.93	1/2	4,841.24	1/2	5,317.04	1/2	5,768.88	1/2	6,188.19	1/2	6,564.47	1/2	6,883.35	1/2	7,120.54	1/2		1/2	
3/4	4,359.31	3/4	4,851.34	3/4	5,326.73	3/4	5,777.99	3/4	6,196.52	3/4	6,571.77	3/4	6,889.26	3/4	7,124.33	3/4		3/4	
8	4,369.69	8	4,861.45	8	5,336.42	8	5,787.10	8	6,204.85	8	6,579.07	8	6,895.17	8	7,128.11	8		8	
1/4	4,380.05	1/4	4,871.53	1/4	5,346.07	1/4	5,796.15	1/4	6,213.10	1/4	6,586.27	1/4	6,900.94	1/4	7,131.65	1/4		1/4	
1/2	4,390.41	1/2	4,881.61	1/2	5,355.72	1/2	5,805.20	1/2	6,221.36	1/2	6,593.48	1/2	6,906.71	1/2	7,135.19	1/2		1/2	
3/4	4,400.78	3/4	4,891.69	3/4	5,365.37	3/4	5,814.25	3/4	6,229.61	3/4	6,600.68	3/4	6,912.48	3/4	7,138.73	3/4		3/4	
9	4,411.14	9	4,901.77	9	5,375.02	9	5,823.30	9	6,237.86	9	6,607.88	9	6,918.24	9	7,142.27	9		9	
1/4	4,421.48	1/4	4,911.82	1/4	5,384.62	1/4	5,832.29	1/4	6,246.04	1/4	6,614.98	1/4	6,923.87	1/4	7,145.54	1/4		1/4	
1/2	4,431.83	1/2	4,921.87	1/2	5,394.23	1/2	5,841.28	1/2	6,254.22	1/2	6,622.08	1/2	6,929.49	1/2	7,148.81	1/2		1/2	
3/4	4,442.17	3/4	4,931.92	3/4	5,403.83	3/4	5,850.27	3/4	6,262.39	3/4	6,629.18	3/4	6,935.11	3/4	7,152.09	3/4		3/4	
10	4,452.52	10	4,941.97	10	5,413.44	10	5,859.26	10	6,270.57	10	6,636.28	10	6,940.74	10	7,155.36	10		10	
1/4	4,462.84	1/4	4,951.99	1/4	5,423.00	1/4	5,868.19	1/4	6,278.67	1/4	6,643.27	1/4	6,946.21	1/4	7,158.34	1/4		1/4	
1/2	4,473.17	1/2	4,962.01	1/2	5,432.56	1/2	5,877.13	1/2	6,286.77	1/2	6,650.27	1/2	6,951.69	1/2	7,161.32	1/2		1/2	
3/4	4,483.50	3/4	4,972.03	3/4	5,442.12	3/4	5,886.06	3/4	6,294.87	3/4	6,657.26	3/4	6,957.16	3/4	7,164.29	3/4		3/4	
11	4,493.82	11	4,982.05	11	5,451.68	11	5,894.99	11	6,302.96	11	6,664.26	11	6,962.63	11	7,167.27	11		11	
1/4	4,504.13	1/4	4,992.04	1/4	5,461.20	1/4	5,903.86	1/4	6,310.98	1/4	6,671.14	1/4	6,967.95	1/4	7,169.92	1/4		1/4	
1/2	4,514.43	1/2	5,002.02	1/2	5,470.71	1/2	5,912.73	1/2	6,319.00	1/2	6,678.03	1/2	6,973.27	1/2	7,172.57	1/2		1/2	
3/4	4,524.74	3/4	5,012.01	3/4	5,480.23	3/4	5,921.60	3/4	6,327.02	3/4	6,684.92	3/4	6,978.59	3/4	7,175.22	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/20/2002 CL - SW  
CALCULATED: 05/20/2002 CL  
REPRINTED: 08/01/2007 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2007

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



# BARGE "KIRBY 14832"

## STBD

### INNAGE TABLE HORIZONTAL

GAUGE HEIGHT 22'-02 1/2"

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

FORMERLY "CC 116"

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	0.00	0	150.94	0	421.20	0	762.53	0	1,155.52	0	1,587.52	0	2,048.85	0	2,531.42	0	3,028.01	0	3,531.93
1/4	0.92	1/4	155.70	1/4	427.72	1/4	770.28	1/4	1,164.18	1/4	1,596.88	1/4	2,058.73	1/4	2,541.66	1/4	3,038.46	1/4	3,542.46
1/2	1.84	1/2	160.47	1/2	434.24	1/2	778.02	1/2	1,172.85	1/2	1,606.24	1/2	2,068.61	1/2	2,551.89	1/2	3,048.91	1/2	3,552.99
3/4	2.75	3/4	165.24	3/4	440.75	3/4	785.77	3/4	1,181.51	3/4	1,615.60	3/4	2,078.48	3/4	2,562.13	3/4	3,059.36	3/4	3,563.52
1	3.67	1	170.01	1	447.27	1	793.51	1	1,190.18	1	1,624.96	1	2,088.36	1	2,572.36	1	3,069.82	1	3,574.05
1/4	5.35	1/4	174.95	1/4	453.91	1/4	801.34	1/4	1,198.91	1/4	1,634.37	1/4	2,098.27	1/4	2,582.62	1/4	3,080.28	1/4	3,584.58
1/2	7.02	1/2	179.90	1/2	460.54	1/2	809.17	1/2	1,207.64	1/2	1,643.78	1/2	2,108.19	1/2	2,592.88	1/2	3,090.74	1/2	3,595.11
3/4	8.70	3/4	184.85	3/4	467.18	3/4	817.01	3/4	1,216.37	3/4	1,653.19	3/4	2,118.10	3/4	2,603.14	3/4	3,101.20	3/4	3,605.64
2	10.38	2	189.79	2	473.81	2	824.84	2	1,225.10	2	1,662.60	2	2,128.01	2	2,613.40	2	3,111.67	2	3,616.17
1/4	12.54	1/4	194.91	1/4	480.56	1/4	832.75	1/4	1,233.89	1/4	1,672.06	1/4	2,137.96	1/4	2,623.68	1/4	3,122.14	1/4	3,626.70
1/2	14.71	1/2	200.02	1/2	487.31	1/2	840.67	1/2	1,242.69	1/2	1,681.52	1/2	2,147.90	1/2	2,633.96	1/2	3,132.61	1/2	3,637.23
3/4	16.88	3/4	205.14	3/4	494.06	3/4	848.59	3/4	1,251.48	3/4	1,690.98	3/4	2,157.85	3/4	2,644.24	3/4	3,143.09	3/4	3,647.76
3	19.04	3	210.25	3	500.81	3	856.50	3	1,260.28	3	1,700.44	3	2,167.80	3	2,654.52	3	3,153.56	3	3,658.29
1/4	21.60	1/4	215.53	1/4	507.67	1/4	864.50	1/4	1,269.13	1/4	1,709.94	1/4	2,177.78	1/4	2,664.82	1/4	3,164.04	1/4	3,668.82
1/2	24.17	1/2	220.81	1/2	514.53	1/2	872.50	1/2	1,277.99	1/2	1,719.45	1/2	2,187.76	1/2	2,675.13	1/2	3,174.53	1/2	3,679.35
3/4	26.73	3/4	226.09	3/4	521.39	3/4	880.50	3/4	1,286.85	3/4	1,728.96	3/4	2,197.74	3/4	2,685.43	3/4	3,185.01	3/4	3,689.88
4	29.29	4	231.37	4	528.26	4	888.50	4	1,295.71	4	1,738.46	4	2,207.72	4	2,695.73	4	3,195.49	4	3,700.41
1/4	32.19	1/4	236.81	1/4	535.23	1/4	896.58	1/4	1,304.62	1/4	1,748.01	1/4	2,217.73	1/4	2,706.05	1/4	3,205.98	1/4	3,710.94
1/2	35.09	1/2	242.24	1/2	542.19	1/2	904.66	1/2	1,313.54	1/2	1,757.56	1/2	2,227.75	1/2	2,716.38	1/2	3,216.48	1/2	3,721.46
3/4	37.99	3/4	247.68	3/4	549.16	3/4	912.74	3/4	1,322.46	3/4	1,767.12	3/4	2,237.76	3/4	2,726.70	3/4	3,226.97	3/4	3,731.99
5	40.89	5	253.12	5	556.13	5	920.82	5	1,331.38	5	1,776.67	5	2,247.77	5	2,737.02	5	3,237.46	5	3,742.52
1/4	44.09	1/4	258.70	1/4	563.21	1/4	928.98	1/4	1,340.36	1/4	1,786.26	1/4	2,257.82	1/4	2,747.36	1/4	3,247.96	1/4	3,753.04
1/2	47.30	1/2	264.29	1/2	570.28	1/2	937.14	1/2	1,349.34	1/2	1,795.86	1/2	2,267.86	1/2	2,757.71	1/2	3,258.46	1/2	3,763.56
3/4	50.50	3/4	269.88	3/4	577.36	3/4	945.29	3/4	1,358.32	3/4	1,805.46	3/4	2,277.91	3/4	2,768.05	3/4	3,268.96	3/4	3,774.09
6	53.70	6	275.47	6	584.43	6	953.45	6	1,367.30	6	1,815.05	6	2,287.95	6	2,778.39	6	3,279.46	6	3,784.61
1/4	57.18	1/4	281.20	1/4	591.61	1/4	961.69	1/4	1,376.33	1/4	1,824.69	1/4	2,298.02	1/4	2,788.75	1/4	3,289.97	1/4	3,795.13
1/2	60.65	1/2	286.94	1/2	598.79	1/2	969.93	1/2	1,385.37	1/2	1,834.33	1/2	2,308.10	1/2	2,799.11	1/2	3,300.48	1/2	3,805.65
3/4	64.13	3/4	292.67	3/4	605.97	3/4	978.16	3/4	1,394.41	3/4	1,843.97	3/4	2,318.17	3/4	2,809.47	3/4	3,310.98	3/4	3,816.17
7	67.60	7	298.40	7	613.14	7	986.40	7	1,403.44	7	1,853.61	7	2,328.25	7	2,819.83	7	3,321.49	7	3,826.69
1/4	71.33	1/4	304.28	1/4	620.42	1/4	994.71	1/4	1,412.54	1/4	1,863.29	1/4	2,338.35	1/4	2,830.21	1/4	3,332.00	1/4	3,837.20
1/2	75.05	1/2	310.15	1/2	627.70	1/2	1,003.02	1/2	1,421.63	1/2	1,872.98	1/2	2,348.46	1/2	2,840.59	1/2	3,342.52	1/2	3,847.72
3/4	78.78	3/4	316.03	3/4	634.98	3/4	1,011.33	3/4	1,430.73	3/4	1,882.66	3/4	2,358.56	3/4	2,850.97	3/4	3,353.03	3/4	3,858.23
8	82.51	8	321.90	8	642.26	8	1,019.65	8	1,439.82	8	1,892.34	8	2,368.66	8	2,861.34	8	3,363.54	8	3,868.75
1/4	86.47	1/4	327.91	1/4	649.63	1/4	1,028.03	1/4	1,448.97	1/4	1,902.06	1/4	2,378.80	1/4	2,871.74	1/4	3,374.06	1/4	3,879.26
1/2	90.43	1/2	333.93	1/2	657.01	1/2	1,036.42	1/2	1,458.12	1/2	1,911.79	1/2	2,388.93	1/2	2,882.13	1/2	3,384.58	1/2	3,889.77
3/4	94.39	3/4	339.94	3/4	664.39	3/4	1,044.80	3/4	1,467.27	3/4	1,921.51	3/4	2,399.06	3/4	2,892.53	3/4	3,395.10	3/4	3,900.28
9	98.35	9	345.95	9	671.76	9	1,053.19	9	1,476.42	9	1,931.23	9	2,409.19	9	2,902.92	9	3,405.62	9	3,910.78
1/4	102.53	1/4	352.09	1/4	679.23	1/4	1,061.65	1/4	1,485.63	1/4	1,941.00	1/4	2,419.35	1/4	2,913.33	1/4	3,416.14	1/4	3,921.29
1/2	106.71	1/2	358.24	1/2	686.71	1/2	1,070.10	1/2	1,494.83	1/2	1,950.76	1/2	2,429.51	1/2	2,923.74	1/2	3,426.66	1/2	3,931.79
3/4	110.89	3/4	364.38	3/4	694.18	3/4	1,078.56	3/4	1,504.04	3/4	1,960.52	3/4	2,439.67	3/4	2,934.15	3/4	3,437.19	3/4	3,942.29
10	115.07	10	370.52	10	701.65	10	1,087.02	10	1,513.24	10	1,970.29	10	2,449.83	10	2,944.56	10	3,447.71	10	3,952.79
1/4	119.45	1/4	376.80	1/4	709.21	1/4	1,095.55	1/4	1,522.50	1/4	1,980.09	1/4	2,460.02	1/4	2,954.99	1/4	3,458.23	1/4	3,963.29
1/2	123.84	1/2	383.07	1/2	716.78	1/2	1,104.08	1/2	1,531.76	1/2	1,989.89	1/2	2,470.20	1/2	2,965.41	1/2	3,468.76	1/2	3,973.78
3/4	128.22	3/4	389.34	3/4	724.34	3/4	1,112.60	3/4	1,541.02	3/4	1,999.69	3/4	2,480.39	3/4	2,975.83	3/4	3,479.29	3/4	3,984.28
11	132.61	11	395.61	11	731.91	11	1,121.13	11	1,550.28	11	2,009.49	11	2,490.58	11	2,986.26	11	3,489.81	11	3,994.77
1/4	137.19	1/4	402.01	1/4	739.56	1/4	1,129.73	1/4	1,559.59	1/4	2,019.33	1/4	2,500.79	1/4	2,996.70	1/4	3,500.34	1/4	4,005.26
1/2	141.77	1/2	408.41	1/2	747.22	1/2	1,138.33	1/2	1,568.90	1/2	2,029.17	1/2	2,511.00	1/2	3,007.14	1/2	3,510.87	1/2	4,015.74
3/4	146.35	3/4	414.80	3/4	754.88	3/4	1,146.92	3/4	1,578.21	3/4	2,039.01	3/4	2,521.21	3/4	3,017.57	3/4	3,521.40	3/4	4,026.23

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH API STANDARD 2551.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 20" EXPANSION DOME AFT END OF COMPARTMENT.  
 GAUGE POINT: (MANUAL) LOCATED ON CENTERLINE AND 12'-00" FORWARD OF AFT END.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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





# BARGE "KIRBY 14832"

STBD

INNAGE TABLE

HORIZONTAL

GAUGE HEIGHT 22'-02 1/2"

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

FORMERLY "CC 116"

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	4,036.71	0	4,535.93	0	5,022.98	0	5,490.82	0	5,931.64	0	6,336.28	0	6,693.12	0	6,985.28	0	7,179.28	0	
1/4	4,047.19	1/4	4,546.22	1/4	5,032.94	1/4	5,500.29	1/4	5,940.45	1/4	6,344.22	1/4	6,699.90	1/4	6,990.43	1/4	7,181.55	1/4	
1/2	4,057.66	1/2	4,556.51	1/2	5,042.89	1/2	5,509.76	1/2	5,949.26	1/2	6,352.15	1/2	6,706.67	1/2	6,995.59	1/2	7,183.83	1/2	
3/4	4,068.14	3/4	4,566.79	3/4	5,052.85	3/4	5,519.23	3/4	5,958.07	3/4	6,360.09	3/4	6,713.45	3/4	7,000.75	3/4	7,186.10	3/4	
1	4,078.62	1	4,577.08	1	5,062.81	1	5,528.71	1	5,966.88	1	6,368.03	1	6,720.23	1	7,005.91	1	7,188.37	1	
1/4	4,089.08	1/4	4,587.34	1/4	5,072.73	1/4	5,538.13	1/4	5,975.63	1/4	6,375.88	1/4	6,726.89	1/4	7,010.89	1/4	7,190.18	1/4	
1/2	4,099.55	1/2	4,597.61	1/2	5,082.65	1/2	5,547.55	1/2	5,984.37	1/2	6,383.73	1/2	6,733.56	1/2	7,015.88	1/2	7,192.00	1/2	
3/4	4,110.01	3/4	4,607.87	3/4	5,092.57	3/4	5,556.97	3/4	5,993.12	3/4	6,391.59	3/4	6,740.22	3/4	7,020.87	3/4	7,193.81	3/4	
2	4,120.48	2	4,618.14	2	5,102.49	2	5,566.40	2	6,001.87	2	6,399.44	2	6,746.89	2	7,025.86	2	7,195.62	2	
1/4	4,130.93	1/4	4,628.38	1/4	5,112.38	1/4	5,575.77	1/4	6,010.55	1/4	6,407.21	1/4	6,753.43	1/4	7,030.67	1/4	7,196.79	1/4	
1/2	4,141.38	1/2	4,638.62	1/2	5,122.26	1/2	5,585.14	1/2	6,019.23	1/2	6,414.97	1/2	6,759.98	1/2	7,035.49	1/2	7,197.95	1/2	
3/4	4,151.84	3/4	4,648.86	3/4	5,132.15	3/4	5,594.52	3/4	6,027.91	3/4	6,422.74	3/4	6,766.53	3/4	7,040.30	3/4	7,199.12	3/4	
3	4,162.29	3	4,659.10	3	5,142.03	3	5,603.89	3	6,036.59	3	6,430.51	3	6,773.08	3	7,045.11	3	7,200.29	3	
1/4	4,172.73	1/4	4,669.32	1/4	5,151.88	1/4	5,613.21	1/4	6,045.21	1/4	6,438.18	1/4	6,779.50	1/4	7,049.74	1/4	7,200.75	1/4	
1/2	4,183.17	1/2	4,679.54	1/2	5,161.73	1/2	5,622.54	1/2	6,053.82	1/2	6,445.86	1/2	6,785.93	1/2	7,054.37	1/2		1/2	
3/4	4,193.62	3/4	4,689.75	3/4	5,171.58	3/4	5,631.86	3/4	6,062.43	3/4	6,453.54	3/4	6,792.36	3/4	7,059.00	3/4		3/4	
4	4,204.06	4	4,699.97	4	5,181.43	4	5,641.18	4	6,071.05	4	6,461.22	4	6,798.79	4	7,063.63	4		4	
1/4	4,214.49	1/4	4,710.16	1/4	5,191.24	1/4	5,650.45	1/4	6,079.59	1/4	6,468.81	1/4	6,805.09	1/4	7,068.07	1/4		1/4	
1/2	4,224.91	1/2	4,720.36	1/2	5,201.05	1/2	5,659.72	1/2	6,088.14	1/2	6,476.39	1/2	6,811.39	1/2	7,072.50	1/2		1/2	
3/4	4,235.34	3/4	4,730.55	3/4	5,210.87	3/4	5,669.00	3/4	6,096.68	3/4	6,483.98	3/4	6,817.70	3/4	7,076.94	3/4		3/4	
5	4,245.77	5	4,740.74	5	5,220.68	5	5,678.27	5	6,105.23	5	6,491.57	5	6,824.00	5	7,081.37	5		5	
1/4	4,256.18	1/4	4,750.91	1/4	5,230.45	1/4	5,687.49	1/4	6,113.70	1/4	6,499.07	1/4	6,830.18	1/4	7,085.61	1/4		1/4	
1/2	4,266.60	1/2	4,761.07	1/2	5,240.22	1/2	5,696.70	1/2	6,122.18	1/2	6,506.56	1/2	6,836.35	1/2	7,089.84	1/2		1/2	
3/4	4,277.01	3/4	4,771.24	3/4	5,250.00	3/4	5,705.92	3/4	6,130.66	3/4	6,514.06	3/4	6,842.53	3/4	7,094.07	3/4		3/4	
6	4,287.42	6	4,781.41	6	5,259.77	6	5,715.14	6	6,139.13	6	6,521.55	6	6,848.71	6	7,098.30	6		6	
1/4	4,297.82	1/4	4,791.55	1/4	5,269.50	1/4	5,724.30	1/4	6,147.53	1/4	6,528.95	1/4	6,854.75	1/4	7,102.32	1/4		1/4	
1/2	4,308.22	1/2	4,801.69	1/2	5,279.24	1/2	5,733.47	1/2	6,155.94	1/2	6,536.35	1/2	6,860.80	1/2	7,106.34	1/2		1/2	
3/4	4,318.62	3/4	4,811.82	3/4	5,288.97	3/4	5,742.63	3/4	6,164.34	3/4	6,543.75	3/4	6,866.84	3/4	7,110.35	3/4		3/4	
7	4,329.02	7	4,821.96	7	5,298.70	7	5,751.80	7	6,172.75	7	6,551.15	7	6,872.89	7	7,114.37	7		7	
1/4	4,339.40	1/4	4,832.07	1/4	5,308.40	1/4	5,760.91	1/4	6,181.08	1/4	6,558.45	1/4	6,878.80	1/4	7,118.15	1/4		1/4	
1/2	4,349.78	1/2	4,842.19	1/2	5,318.09	1/2	5,770.01	1/2	6,189.41	1/2	6,565.76	1/2	6,884.70	1/2	7,121.94	1/2		1/2	
3/4	4,360.16	3/4	4,852.30	3/4	5,327.78	3/4	5,779.12	3/4	6,197.74	3/4	6,573.06	3/4	6,890.61	3/4	7,125.73	3/4		3/4	
8	4,370.55	8	4,862.41	8	5,337.47	8	5,788.23	8	6,206.07	8	6,580.36	8	6,896.52	8	7,129.51	8		8	
1/4	4,380.91	1/4	4,872.49	1/4	5,347.12	1/4	5,797.28	1/4	6,214.32	1/4	6,587.57	1/4	6,902.29	1/4	7,133.05	1/4		1/4	
1/2	4,391.28	1/2	4,882.57	1/2	5,356.77	1/2	5,806.34	1/2	6,222.58	1/2	6,594.77	1/2	6,908.06	1/2	7,136.59	1/2		1/2	
3/4	4,401.64	3/4	4,892.65	3/4	5,366.42	3/4	5,815.39	3/4	6,230.83	3/4	6,601.97	3/4	6,913.83	3/4	7,140.13	3/4		3/4	
9	4,412.01	9	4,902.74	9	5,376.07	9	5,824.44	9	6,239.09	9	6,609.18	9	6,919.60	9	7,143.67	9		9	
1/4	4,422.35	1/4	4,912.79	1/4	5,385.68	1/4	5,833.43	1/4	6,247.27	1/4	6,616.28	1/4	6,925.23	1/4	7,146.95	1/4		1/4	
1/2	4,432.70	1/2	4,922.84	1/2	5,395.29	1/2	5,842.43	1/2	6,255.45	1/2	6,623.38	1/2	6,930.85	1/2	7,150.22	1/2		1/2	
3/4	4,443.05	3/4	4,932.89	3/4	5,404.89	3/4	5,851.42	3/4	6,263.62	3/4	6,630.48	3/4	6,936.48	3/4	7,153.49	3/4		3/4	
10	4,453.39	10	4,942.94	10	5,414.50	10	5,860.41	10	6,271.80	10	6,637.58	10	6,942.10	10	7,156.76	10		10	
1/4	4,463.72	1/4	4,952.97	1/4	5,424.06	1/4	5,869.35	1/4	6,279.90	1/4	6,644.58	1/4	6,947.58	1/4	7,159.74	1/4		1/4	
1/2	4,474.05	1/2	4,962.99	1/2	5,433.63	1/2	5,878.28	1/2	6,288.00	1/2	6,651.57	1/2	6,953.05	1/2	7,162.72	1/2		1/2	
3/4	4,484.38	3/4	4,973.01	3/4	5,443.19	3/4	5,887.21	3/4	6,296.10	3/4	6,658.57	3/4	6,958.53	3/4	7,165.70	3/4		3/4	
11	4,494.70	11	4,983.03	11	5,452.75	11	5,896.15	11	6,304.20	11	6,665.56	11	6,964.00	11	7,168.68	11		11	
1/4	4,505.01	1/4	4,993.02	1/4	5,462.27	1/4	5,905.02	1/4	6,312.22	1/4	6,672.45	1/4	6,969.32	1/4	7,171.33	1/4		1/4	
1/2	4,515.32	1/2	5,003.01	1/2	5,471.79	1/2	5,913.89	1/2	6,320.24	1/2	6,679.34	1/2	6,974.64	1/2	7,173.98	1/2		1/2	
3/4	4,525.63	3/4	5,012.99	3/4	5,481.31	3/4	5,922.77	3/4	6,328.26	3/4	6,686.23	3/4	6,979.96	3/4	7,176.63	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/20/2002 CL - SW  
 CALCULATED: 05/20/2002 CL  
 REPRINTED: 08/01/2007 CL

CANCELS AND SUPERCEDES  
 ALL PRIOR TO 08/2007

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