



BARGE "KIRBY 27009"

ULLAGE TRIM TABLE
FORMERLY "CTCo 319"

	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	00-3/4	- 00-3/4	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	00-3/4	- 00-3/4	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	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8
2 STBD	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8
3 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2
3 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-1/2	- 00-1/2

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

LENGTH BETWEEN DRAFT MARKS: 237'-06"

February 8, 2024

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27009"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 319"

GAUGE HEIGHT 16'-04 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	4,113.00	0	3,851.15	0	3,561.68	0	3,250.92	0	2,922.17	0	2,590.78	0	2,259.38		
1/4		1/4		1/4		1/4	4,106.54	1/4	3,845.36	1/4	3,555.42	1/4	3,244.23	1/4	2,915.27	1/4	2,583.87	1/4	2,252.48		
1/2		1/2		1/2		1/2	4,101.52	1/2	3,839.53	1/2	3,549.12	1/2	3,237.52	1/2	2,908.37	1/2	2,576.97	1/2	2,245.57		
3/4		3/4		3/4		3/4	4,096.51	3/4	3,833.70	3/4	3,542.83	3/4	3,230.81	3/4	2,901.46	3/4	2,570.07	3/4	2,238.67		
1		1		1		1	4,091.49	1	3,827.87	1	3,536.54	1	3,224.09	1	2,894.56	1	2,563.16	1	2,231.76		
1/4		1/4		1/4		1/4	4,086.48	1/4	3,822.04	1/4	3,530.24	1/4	3,217.38	1/4	2,887.65	1/4	2,556.26	1/4	2,224.86		
1/2		1/2		1/2		1/2	4,081.43	1/2	3,816.18	1/2	3,523.92	1/2	3,210.62	1/2	2,880.75	1/2	2,549.35	1/2	2,217.96		
3/4		3/4		3/4		3/4	4,076.39	3/4	3,810.32	3/4	3,517.59	3/4	3,203.87	3/4	2,873.85	3/4	2,542.45	3/4	2,211.05		
2		2		2		2	4,071.34	2	3,804.46	2	3,511.27	2	3,197.11	2	2,866.94	2	2,535.54	2	2,204.15		
1/4		1/4		1/4		1/4	4,066.30	1/4	3,798.60	1/4	3,504.94	1/4	3,190.35	1/4	2,860.04	1/4	2,528.64	1/4	2,197.24		
1/2		1/2		1/2		1/2	4,061.21	1/2	3,792.69	1/2	3,498.58	1/2	3,183.57	1/2	2,853.13	1/2	2,521.74	1/2	2,190.34		
3/4		3/4		3/4		3/4	4,056.12	3/4	3,786.79	3/4	3,492.21	3/4	3,176.78	3/4	2,846.23	3/4	2,514.83	3/4	2,183.44		
3		3		3		3	4,051.03	3	3,780.89	3	3,485.85	3	3,170.00	3	2,839.33	3	2,507.93	3	2,176.53		
1/4		1/4		1/4		1/4	4,045.94	1/4	3,774.99	1/4	3,479.48	1/4	3,163.21	1/4	2,832.42	1/4	2,501.02	1/4	2,169.63		
1/2		1/2		1/2		1/2	4,040.82	1/2	3,769.05	1/2	3,473.09	1/2	3,156.40	1/2	2,825.52	1/2	2,494.12	1/2	2,162.72		
3/4		3/4		3/4		3/4	4,035.71	3/4	3,763.12	3/4	3,466.71	3/4	3,149.58	3/4	2,818.61	3/4	2,487.22	3/4	2,155.82		
4		4		4		4	4,030.59	4	3,757.19	4	3,460.32	4	3,142.76	4	2,811.71	4	2,480.31	4	2,148.92		
1/4		1/4		1/4		1/4	4,025.47	1/4	3,751.26	1/4	3,453.93	1/4	3,135.95	1/4	2,804.80	1/4	2,473.41	1/4	2,142.01		
1/2		1/2		1/2		1/2	4,020.32	1/2	3,745.27	1/2	3,447.51	1/2	3,129.09	1/2	2,797.90	1/2	2,466.50	1/2	2,135.11		
3/4		3/4		3/4		3/4	4,015.18	3/4	3,739.29	3/4	3,441.08	3/4	3,122.23	3/4	2,791.00	3/4	2,459.60	3/4	2,128.20		
5		5		5		5	4,010.03	5	3,733.30	5	3,434.65	5	3,115.38	5	2,784.09	5	2,452.70	5	2,121.30		
1/4		1/4		1/4		1/4	4,281.19	1/4	4,004.88	1/4	3,727.31	1/4	3,428.22	1/4	3,108.52	1/4	2,777.19	1/4	2,445.79	1/4	2,114.39
1/2		1/2		1/2		1/2	4,276.42	1/2	3,999.28	1/2	3,721.30	1/2	3,421.76	1/2	3,101.63	1/2	2,770.28	1/2	2,438.89	1/2	2,107.49
3/4		3/4		3/4		3/4	4,271.64	3/4	3,993.69	3/4	3,715.29	3/4	3,415.30	3/4	3,094.75	3/4	2,763.38	3/4	2,431.98	3/4	2,100.59
6		6		6		6	4,266.87	6	3,988.10	6	3,709.27	6	3,408.85	6	3,087.86	6	2,756.48	6	2,425.08	6	2,093.68
1/4		1/4		1/4		1/4	4,262.10	1/4	3,982.50	1/4	3,703.26	1/4	3,402.39	1/4	3,080.97	1/4	2,749.57	1/4	2,418.18	1/4	2,086.78
1/2		1/2		1/2		1/2	4,255.60	1/2	3,976.88	1/2	3,697.21	1/2	3,395.89	1/2	3,074.06	1/2	2,742.67	1/2	2,411.27	1/2	2,079.87
3/4		3/4		3/4		3/4	4,249.10	3/4	3,971.25	3/4	3,691.17	3/4	3,389.39	3/4	3,067.16	3/4	2,735.76	3/4	2,404.37	3/4	2,072.97
7		7		7		7	4,242.60	7	3,965.63	7	3,685.12	7	3,382.88	7	3,060.26	7	2,728.86	7	2,397.46	7	2,066.07
1/4		1/4		1/4		1/4	4,236.10	1/4	3,960.00	1/4	3,679.08	1/4	3,376.38	1/4	3,053.35	1/4	2,721.96	1/4	2,390.56	1/4	2,059.16
1/2		1/2		1/2		1/2	4,229.60	1/2	3,954.34	1/2	3,672.99	1/2	3,369.85	1/2	3,046.45	1/2	2,715.05	1/2	2,383.65	1/2	2,052.26
3/4		3/4		3/4		3/4	4,223.10	3/4	3,948.67	3/4	3,666.91	3/4	3,363.32	3/4	3,039.54	3/4	2,708.15	3/4	2,376.75	3/4	2,045.35
8		8		8		8	4,216.60	8	3,943.00	8	3,660.82	8	3,356.79	8	3,032.64	8	2,701.24	8	2,369.85	8	2,038.45
1/4		1/4		1/4		1/4	4,210.11	1/4	3,937.34	1/4	3,654.74	1/4	3,350.26	1/4	3,025.74	1/4	2,694.34	1/4	2,362.94	1/4	2,031.55
1/2		1/2		1/2		1/2	4,203.61	1/2	3,931.64	1/2	3,648.59	1/2	3,343.69	1/2	3,018.83	1/2	2,687.44	1/2	2,356.04	1/2	2,024.64
3/4		3/4		3/4		3/4	4,197.11	3/4	3,925.95	3/4	3,642.44	3/4	3,337.12	3/4	3,011.93	3/4	2,680.53	3/4	2,349.13	3/4	2,017.74
9		9		9		9	4,190.61	9	3,920.25	9	3,636.29	9	3,330.55	9	3,005.02	9	2,673.63	9	2,342.23	9	2,010.83
1/4		1/4		1/4		1/4	4,184.11	1/4	3,914.55	1/4	3,630.13	1/4	3,323.98	1/4	2,998.12	1/4	2,666.72	1/4	2,335.33	1/4	2,003.93
1/2		1/2		1/2		1/2	4,177.65	1/2	3,908.81	1/2	3,623.94	1/2	3,317.37	1/2	2,991.22	1/2	2,659.82	1/2	2,328.42	1/2	1,997.03
3/4		3/4		3/4		3/4	4,171.18	3/4	3,903.07	3/4	3,617.75	3/4	3,310.76	3/4	2,984.31	3/4	2,652.91	3/4	2,321.52	3/4	1,990.12
10		10		10		10	4,164.72	10	3,897.33	10	3,611.56	10	3,304.15	10	2,977.41	10	2,646.01	10	2,314.61	10	1,983.22
1/4		1/4		1/4		1/4	4,158.25	1/4	3,891.59	1/4	3,605.37	1/4	3,297.54	1/4	2,970.50	1/4	2,639.11	1/4	2,307.71	1/4	1,976.31
1/2		1/2		1/2		1/2	4,151.79	1/2	3,885.83	1/2	3,599.15	1/2	3,290.89	1/2	2,963.60	1/2	2,632.20	1/2	2,300.81	1/2	1,969.41
3/4		3/4		3/4		3/4	4,145.32	3/4	3,880.06	3/4	3,592.92	3/4	3,284.25	3/4	2,956.69	3/4	2,625.30	3/4	2,293.90	3/4	1,962.50
11		11		11		11	4,138.86	11	3,874.29	11	3,586.70	11	3,277.61	11	2,949.79	11	2,618.39	11	2,287.00	11	1,955.60
1/4		1/4		1/4		1/4	4,132.39	1/4	3,868.52	1/4	3,580.48	1/4	3,270.97	1/4	2,942.89	1/4	2,611.49	1/4	2,280.09	1/4	1,948.70
1/2		1/2		1/2		1/2	4,125.93	1/2	3,862.73	1/2	3,574.21	1/2	3,264.28	1/2	2,935.98	1/2	2,604.59	1/2	2,273.19	1/2	1,941.79
3/4		3/4		3/4		3/4	4,119.47	3/4	3,856.94	3/4	3,567.95	3/4	3,257.60	3/4	2,929.08	3/4	2,597.68	3/4	2,266.28	3/4	1,934.89

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC GAUGING DEVICE"
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 27009"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 319"

GAUGE HEIGHT 16'-04 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	1,927.98	0	1,596.59	0	1,265.19	0	941.67	0	637.63	0	354.68	0	89.69	0		0		0	
1/4	1,921.08	1/4	1,589.68	1/4	1,258.29	1/4	935.12	1/4	631.49	1/4	348.98	1/4	84.36	1/4		1/4		1/4	
1/2	1,914.18	1/2	1,582.78	1/2	1,251.38	1/2	928.62	1/2	625.39	1/2	343.30	1/2	79.07	1/2		1/2		1/2	
3/4	1,907.27	3/4	1,575.87	3/4	1,244.48	3/4	922.12	3/4	619.29	3/4	337.63	3/4	73.77	3/4		3/4		3/4	
1	1,900.37	1	1,568.97	1	1,237.57	1	915.61	1	613.19	1	331.96	1	68.48	1		1		1	
1/4	1,893.46	1/4	1,562.07	1/4	1,230.67	1/4	909.11	1/4	607.09	1/4	326.28	1/4	63.18	1/4		1/4		1/4	
1/2	1,886.56	1/2	1,555.16	1/2	1,223.77	1/2	902.64	1/2	601.05	1/2	320.61	1/2	57.92	1/2		1/2		1/2	
3/4	1,879.66	3/4	1,548.26	3/4	1,216.86	3/4	896.16	3/4	595.01	3/4	314.94	3/4	52.65	3/4		3/4		3/4	
2	1,872.75	2	1,541.35	2	1,209.96	2	889.69	2	588.97	2	309.28	2	47.39	2		2		2	
1/4	1,865.85	1/4	1,534.45	1/4	1,203.05	1/4	883.22	1/4	582.93	1/4	303.61	1/4	42.12	1/4		1/4		1/4	
1/2	1,858.94	1/2	1,527.55	1/2	1,196.21	1/2	876.77	1/2	576.93	1/2	297.97	1/2	37.75	1/2		1/2		1/2	
3/4	1,852.04	3/4	1,520.64	3/4	1,189.36	3/4	870.33	3/4	570.93	3/4	292.33	3/4	33.39	3/4		3/4		3/4	
3	1,845.13	3	1,513.74	3	1,182.51	3	863.88	3	564.93	3	286.70	3	29.02	3		3		3	
1/4	1,838.23	1/4	1,506.83	1/4	1,175.67	1/4	857.44	1/4	558.93	1/4	281.06	1/4	24.65	1/4		1/4		1/4	
1/2	1,831.33	1/2	1,499.93	1/2	1,168.85	1/2	851.02	1/2	552.96	1/2	275.46	1/2	22.04	1/2		1/2		1/2	
3/4	1,824.42	3/4	1,493.03	3/4	1,162.03	3/4	844.61	3/4	546.99	3/4	269.86	3/4	19.43	3/4		3/4		3/4	
4	1,817.52	4	1,486.12	4	1,155.22	4	838.20	4	541.02	4	264.26	4	16.82	4		4		4	
1/4	1,810.61	1/4	1,479.22	1/4	1,148.40	1/4	831.79	1/4	535.06	1/4	258.65	1/4	14.21	1/4		1/4		1/4	
1/2	1,803.71	1/2	1,472.31	1/2	1,141.61	1/2	825.41	1/2	529.12	1/2	253.08	1/2		1/2		1/2		1/2	
3/4	1,796.81	3/4	1,465.41	3/4	1,134.83	3/4	819.03	3/4	523.19	3/4	247.51	3/4		3/4		3/4		3/4	
5	1,789.90	5	1,458.51	5	1,128.05	5	812.65	5	517.25	5	241.94	5		5		5		5	
1/4	1,783.00	1/4	1,451.60	1/4	1,121.26	1/4	806.27	1/4	511.32	1/4	236.37	1/4		1/4		1/4		1/4	
1/2	1,776.09	1/2	1,444.70	1/2	1,114.51	1/2	799.92	1/2	505.43	1/2	230.85	1/2		1/2		1/2		1/2	
3/4	1,769.19	3/4	1,437.79	3/4	1,107.76	3/4	793.58	3/4	499.54	3/4	225.32	3/4		3/4		3/4		3/4	
6	1,762.29	6	1,430.89	6	1,101.01	6	787.23	6	493.65	6	219.80	6		6		6		6	
1/4	1,755.38	1/4	1,423.98	1/4	1,094.26	1/4	780.88	1/4	487.76	1/4	214.27	1/4		1/4		1/4		1/4	
1/2	1,748.48	1/2	1,417.08	1/2	1,087.54	1/2	774.58	1/2	481.90	1/2	208.77	1/2		1/2		1/2		1/2	
3/4	1,741.57	3/4	1,410.18	3/4	1,080.82	3/4	768.28	3/4	476.04	3/4	203.27	3/4		3/4		3/4		3/4	
7	1,734.67	7	1,403.27	7	1,074.10	7	761.98	7	470.19	7	197.78	7		7		7		7	
1/4	1,727.77	1/4	1,396.37	1/4	1,067.38	1/4	755.68	1/4	464.33	1/4	192.28	1/4		1/4		1/4		1/4	
1/2	1,720.86	1/2	1,389.46	1/2	1,060.71	1/2	749.41	1/2	458.50	1/2	186.81	1/2		1/2		1/2		1/2	
3/4	1,713.96	3/4	1,382.56	3/4	1,054.03	3/4	743.13	3/4	452.67	3/4	181.35	3/4		3/4		3/4		3/4	
8	1,707.05	8	1,375.66	8	1,047.36	8	736.86	8	446.84	8	175.88	8		8		8		8	
1/4	1,700.15	1/4	1,368.75	1/4	1,040.69	1/4	730.59	1/4	441.01	1/4	170.41	1/4		1/4		1/4		1/4	
1/2	1,693.24	1/2	1,361.85	1/2	1,034.04	1/2	724.34	1/2	435.21	1/2	164.98	1/2		1/2		1/2		1/2	
3/4	1,686.34	3/4	1,354.94	3/4	1,027.39	3/4	718.10	3/4	429.41	3/4	159.55	3/4		3/4		3/4		3/4	
9	1,679.44	9	1,348.04	9	1,020.75	9	711.86	9	423.61	9	154.11	9		9		9		9	
1/4	1,672.53	1/4	1,341.14	1/4	1,014.10	1/4	705.62	1/4	417.81	1/4	148.68	1/4		1/4		1/4		1/4	
1/2	1,665.63	1/2	1,334.23	1/2	1,007.49	1/2	699.41	1/2	412.05	1/2	143.28	1/2		1/2		1/2		1/2	
3/4	1,658.72	3/4	1,327.33	3/4	1,000.87	3/4	693.20	3/4	406.28	3/4	137.88	3/4		3/4		3/4		3/4	
10	1,651.82	10	1,320.42	10	994.26	10	686.98	10	400.51	10	132.48	10		10		10		10	
1/4	1,644.92	1/4	1,313.52	1/4	987.64	1/4	680.77	1/4	394.75	1/4	127.08	1/4		1/4		1/4		1/4	
1/2	1,638.01	1/2	1,306.62	1/2	981.06	1/2	674.60	1/2	389.01	1/2	121.73	1/2		1/2		1/2		1/2	
3/4	1,631.11	3/4	1,299.71	3/4	974.48	3/4	668.42	3/4	383.27	3/4	116.37	3/4		3/4		3/4		3/4	
11	1,624.20	11	1,292.81	11	967.90	11	662.24	11	377.53	11	111.02	11		11		11		11	
1/4	1,617.30	1/4	1,285.90	1/4	961.32	1/4	656.07	1/4	371.79	1/4	105.66	1/4		1/4		1/4		1/4	
1/2	1,610.40	1/2	1,279.00	1/2	954.77	1/2	649.92	1/2	366.09	1/2	100.34	1/2		1/2		1/2		1/2	
3/4	1,603.49	3/4	1,272.09	3/4	948.22	3/4	643.78	3/4	360.38	3/4	95.01	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/16/2013
 RECALCULATED: 12/26/2018
 VERIFIED: 02/08/2024 JS

PRECISION MEASUREMENT
 & ANALYSIS, INC.

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

CANCELS AND SUPERCEDES
 ALL PRIOR TO 02/2024



BARGE "KIRBY 27009"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 319"

GAUGE HEIGHT 16'-04 3/4"

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	4,126.90	0	3,863.74	0	3,575.24	0	3,265.33	0	2,937.03	0	2,605.63	0	2,274.23
1/4		1/4		1/4		1/4	4,120.44	1/4	3,857.95	1/4	3,568.98	1/4	3,258.64	1/4	2,930.12	1/4	2,598.73	1/4	2,267.33
1/2		1/2		1/2		1/2	4,113.97	1/2	3,852.16	1/2	3,562.71	1/2	3,251.96	1/2	2,923.22	1/2	2,591.82	1/2	2,260.42
3/4		3/4		3/4		3/4	4,107.51	3/4	3,846.37	3/4	3,556.45	3/4	3,245.28	3/4	2,916.31	3/4	2,584.92	3/4	2,253.52
1		1		1		1	4,102.50	1	3,840.54	1	3,550.16	1	3,238.56	1	2,909.41	1	2,578.01	1	2,246.62
1/4		1/4		1/4		1/4	4,097.48	1/4	3,834.71	1/4	3,543.86	1/4	3,231.85	1/4	2,902.51	1/4	2,571.11	1/4	2,239.71
1/2		1/2		1/2		1/2	4,092.47	1/2	3,828.88	1/2	3,537.57	1/2	3,225.14	1/2	2,895.60	1/2	2,564.21	1/2	2,232.81
3/4		3/4		3/4		3/4	4,087.45	3/4	3,823.05	3/4	3,531.28	3/4	3,218.42	3/4	2,888.70	3/4	2,557.30	3/4	2,225.90
2		2		2		2	4,082.41	2	3,817.19	2	3,524.95	2	3,211.67	2	2,881.79	2	2,550.40	2	2,219.00
1/4		1/4		1/4		1/4	4,077.37	1/4	3,811.33	1/4	3,518.63	1/4	3,204.91	1/4	2,874.89	1/4	2,543.49	1/4	2,212.10
1/2		1/2		1/2		1/2	4,072.32	1/2	3,805.47	1/2	3,512.30	1/2	3,198.15	1/2	2,867.99	1/2	2,536.59	1/2	2,205.19
3/4		3/4		3/4		3/4	4,067.28	3/4	3,799.61	3/4	3,505.98	3/4	3,191.40	3/4	2,861.08	3/4	2,529.68	3/4	2,198.29
3		3		3		3	4,062.19	3	3,793.71	3	3,499.61	3	3,184.61	3	2,854.18	3	2,522.78	3	2,191.38
1/4		1/4		1/4		1/4	4,057.10	1/4	3,787.81	1/4	3,493.25	1/4	3,177.83	1/4	2,847.27	1/4	2,515.88	1/4	2,184.48
1/2		1/2		1/2		1/2	4,052.01	1/2	3,781.90	1/2	3,486.88	1/2	3,171.04	1/2	2,840.37	1/2	2,508.97	1/2	2,177.58
3/4		3/4		3/4		3/4	4,046.93	3/4	3,776.00	3/4	3,480.52	3/4	3,164.26	3/4	2,833.47	3/4	2,502.07	3/4	2,170.67
4		4		4		4	4,041.81	4	3,770.07	4	3,474.13	4	3,157.44	4	2,826.56	4	2,495.16	4	2,163.77
1/4		1/4		1/4		1/4	4,036.69	1/4	3,764.14	1/4	3,467.74	1/4	3,150.62	1/4	2,819.66	1/4	2,488.26	1/4	2,156.86
1/2		1/2		1/2		1/2	4,031.58	1/2	3,758.21	1/2	3,461.36	1/2	3,143.81	1/2	2,812.75	1/2	2,481.36	1/2	2,149.96
3/4		3/4		3/4		3/4	4,026.46	3/4	3,752.27	3/4	3,454.97	3/4	3,136.99	3/4	2,805.85	3/4	2,474.45	3/4	2,143.06
5		5		5		5	4,021.31	5	3,746.29	5	3,448.54	5	3,130.13	5	2,798.94	5	2,467.55	5	2,136.15
1/4		1/4		1/4		1/4	4,016.17	1/4	3,740.30	1/4	3,442.11	1/4	3,123.28	1/4	2,792.04	1/4	2,460.64	1/4	2,129.25
1/2		1/2		1/2		1/2	4,011.02	1/2	3,734.32	1/2	3,435.69	1/2	3,116.42	1/2	2,785.14	1/2	2,453.74	1/2	2,122.34
3/4		3/4		3/4		3/4	4,282.16	3/4	4,005.87	3/4	3,728.33	3/4	3,429.26	3/4	3,109.57	3/4	2,778.23	3/4	2,446.84
6		6		6		6	4,277.39	6	4,000.28	6	3,722.32	6	3,422.80	6	3,102.68	6	2,771.33	6	2,439.93
1/4		1/4		1/4		1/4	4,272.61	1/4	3,994.68	1/4	3,716.31	1/4	3,416.34	1/4	3,095.79	1/4	2,764.42	1/4	2,433.03
1/2		1/2		1/2		1/2	4,267.84	1/2	3,989.09	1/2	3,710.30	1/2	3,409.88	1/2	3,088.90	1/2	2,757.52	1/2	2,426.12
3/4		3/4		3/4		3/4	4,263.06	3/4	3,983.50	3/4	3,704.28	3/4	3,403.43	3/4	3,082.01	3/4	2,750.62	3/4	2,419.22
7		7		7		7	4,256.57	7	3,977.87	7	3,698.24	7	3,396.93	7	3,075.11	7	2,743.71	7	2,412.32
1/4		1/4		1/4		1/4	4,250.07	1/4	3,972.25	1/4	3,692.19	1/4	3,390.42	1/4	3,068.20	1/4	2,736.81	1/4	2,405.41
1/2		1/2		1/2		1/2	4,243.57	1/2	3,966.62	1/2	3,686.15	1/2	3,383.92	1/2	3,061.30	1/2	2,729.90	1/2	2,398.51
3/4		3/4		3/4		3/4	4,237.07	3/4	3,961.00	3/4	3,680.10	3/4	3,377.42	3/4	3,054.40	3/4	2,723.00	3/4	2,391.60
8		8		8		8	4,230.57	8	3,955.33	8	3,674.02	8	3,370.89	8	3,047.49	8	2,716.10	8	2,384.70
1/4		1/4		1/4		1/4	4,224.07	1/4	3,949.67	1/4	3,667.93	1/4	3,364.36	1/4	3,040.59	1/4	2,709.19	1/4	2,377.79
1/2		1/2		1/2		1/2	4,217.57	1/2	3,944.00	1/2	3,661.85	1/2	3,357.83	1/2	3,033.68	1/2	2,702.29	1/2	2,370.89
3/4		3/4		3/4		3/4	4,211.07	3/4	3,938.34	3/4	3,655.76	3/4	3,351.30	3/4	3,026.78	3/4	2,695.38	3/4	2,363.99
9		9		9		9	4,204.58	9	3,932.64	9	3,649.61	9	3,344.73	9	3,019.88	9	2,688.48	9	2,357.08
1/4		1/4		1/4		1/4	4,198.08	1/4	3,926.95	1/4	3,643.46	1/4	3,338.16	1/4	3,012.97	1/4	2,681.57	1/4	2,350.18
1/2		1/2		1/2		1/2	4,191.58	1/2	3,921.25	1/2	3,637.31	1/2	3,331.59	1/2	3,006.07	1/2	2,674.67	1/2	2,343.27
3/4		3/4		3/4		3/4	4,185.08	3/4	3,915.55	3/4	3,631.16	3/4	3,325.02	3/4	2,999.16	3/4	2,667.77	3/4	2,336.37
10		10		10		10	4,178.62	10	3,909.82	10	3,624.97	10	3,318.41	10	2,992.26	10	2,660.86	10	2,329.47
1/4		1/4		1/4		1/4	4,172.15	1/4	3,904.08	1/4	3,618.78	1/4	3,311.80	1/4	2,985.36	1/4	2,653.96	1/4	2,322.56
1/2		1/2		1/2		1/2	4,165.69	1/2	3,898.34	1/2	3,612.59	1/2	3,305.19	1/2	2,978.45	1/2	2,647.05	1/2	2,315.66
3/4		3/4		3/4		3/4	4,159.22	3/4	3,892.60	3/4	3,606.40	3/4	3,298.58	3/4	2,971.55	3/4	2,640.15	3/4	2,308.75
11		11		11		11	4,152.76	11	3,886.83	11	3,600.17	11	3,291.94	11	2,964.64	11	2,633.25	11	2,301.85
1/4		1/4		1/4		1/4	4,146.30	1/4	3,881.06	1/4	3,593.95	1/4	3,285.29	1/4	2,957.74	1/4	2,626.34	1/4	2,294.95
1/2		1/2		1/2		1/2	4,139.83	1/2	3,875.30	1/2	3,587.73	1/2	3,278.65	1/2	2,950.83	1/2	2,619.44	1/2	2,288.04
3/4		3/4		3/4		3/4	4,133.37	3/4	3,869.53	3/4	3,581.51	3/4	3,272.01	3/4	2,943.93	3/4	2,612.53	3/4	2,281.14

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC GAUGING DEVICE"
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 27009"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 319"

GAUGE HEIGHT 16'-04 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,942.84	0	1,611.44	0	1,280.04	0	955.81	0	650.98	0	366.20	0	100.32	0		0		0	
1/4	1,935.93	1/4	1,604.54	1/4	1,273.14	1/4	949.27	1/4	644.84	1/4	360.47	1/4	94.99	1/4		1/4		1/4	
1/2	1,929.03	1/2	1,597.63	1/2	1,266.23	1/2	942.72	1/2	638.70	1/2	354.74	1/2	89.67	1/2		1/2		1/2	
3/4	1,922.12	3/4	1,590.73	3/4	1,259.33	3/4	936.17	3/4	632.55	3/4	349.02	3/4	84.34	3/4		3/4		3/4	
1	1,915.22	1	1,583.82	1	1,252.43	1	929.67	1	626.45	1	343.32	1	79.05	1		1		1	
1/4	1,908.32	1/4	1,576.92	1/4	1,245.52	1/4	923.16	1/4	620.35	1/4	337.62	1/4	73.75	1/4		1/4		1/4	
1/2	1,901.41	1/2	1,570.01	1/2	1,238.62	1/2	916.66	1/2	614.25	1/2	331.93	1/2	68.46	1/2		1/2		1/2	
3/4	1,894.51	3/4	1,563.11	3/4	1,231.71	3/4	910.16	3/4	608.15	3/4	326.23	3/4	63.16	3/4		3/4		3/4	
2	1,887.60	2	1,556.21	2	1,224.81	2	903.69	2	602.09	2	320.56	2	57.90	2		2		2	
1/4	1,880.70	1/4	1,549.30	1/4	1,217.91	1/4	897.21	1/4	596.03	1/4	314.89	1/4	52.64	1/4		1/4		1/4	
1/2	1,873.80	1/2	1,542.40	1/2	1,211.00	1/2	890.74	1/2	589.97	1/2	309.22	1/2	47.37	1/2		1/2		1/2	
3/4	1,866.89	3/4	1,535.49	3/4	1,204.10	3/4	884.27	3/4	583.90	3/4	303.56	3/4	42.11	3/4		3/4		3/4	
3	1,859.99	3	1,528.59	3	1,197.25	3	877.82	3	577.88	3	297.92	3	37.74	3		3		3	
1/4	1,853.08	1/4	1,521.69	1/4	1,190.40	1/4	871.38	1/4	571.85	1/4	292.28	1/4	33.37	1/4		1/4		1/4	
1/2	1,846.18	1/2	1,514.78	1/2	1,183.56	1/2	864.93	1/2	565.83	1/2	286.65	1/2	29.00	1/2		1/2		1/2	
3/4	1,839.27	3/4	1,507.88	3/4	1,176.71	3/4	858.49	3/4	559.81	3/4	281.01	3/4	24.64	3/4		3/4		3/4	
4	1,832.37	4	1,500.97	4	1,169.89	4	852.08	4	553.81	4	275.41	4	22.03	4		4		4	
1/4	1,825.47	1/4	1,494.07	1/4	1,163.08	1/4	845.66	1/4	547.82	1/4	269.81	1/4	19.42	1/4		1/4		1/4	
1/2	1,818.56	1/2	1,487.17	1/2	1,156.26	1/2	839.25	1/2	541.83	1/2	264.21	1/2	16.81	1/2		1/2		1/2	
3/4	1,811.66	3/4	1,480.26	3/4	1,149.44	3/4	832.84	3/4	535.84	3/4	258.61	3/4	14.21	3/4		3/4		3/4	
5	1,804.75	5	1,473.36	5	1,142.66	5	826.46	5	529.88	5	253.04	5		5		5		5	
1/4	1,797.85	1/4	1,466.45	1/4	1,135.87	1/4	820.08	1/4	523.92	1/4	247.47	1/4		1/4		1/4		1/4	
1/2	1,790.95	1/2	1,459.55	1/2	1,129.09	1/2	813.70	1/2	517.96	1/2	241.90	1/2		1/2		1/2		1/2	
3/4	1,784.04	3/4	1,452.65	3/4	1,122.31	3/4	807.32	3/4	512.01	3/4	236.33	3/4		3/4		3/4		3/4	
6	1,777.14	6	1,445.74	6	1,115.55	6	800.98	6	506.09	6	230.81	6		6		6		6	
1/4	1,770.23	1/4	1,438.84	1/4	1,108.80	1/4	794.63	1/4	500.18	1/4	225.28	1/4		1/4		1/4		1/4	
1/2	1,763.33	1/2	1,431.93	1/2	1,102.05	1/2	788.28	1/2	494.27	1/2	219.75	1/2		1/2		1/2		1/2	
3/4	1,756.43	3/4	1,425.03	3/4	1,095.30	3/4	781.94	3/4	488.36	3/4	214.23	3/4		3/4		3/4		3/4	
7	1,749.52	7	1,418.12	7	1,088.58	7	775.64	7	482.48	7	208.73	7		7		7		7	
1/4	1,742.62	1/4	1,411.22	1/4	1,081.86	1/4	769.34	1/4	476.60	1/4	203.24	1/4		1/4		1/4		1/4	
1/2	1,735.71	1/2	1,404.32	1/2	1,075.15	1/2	763.03	1/2	470.71	1/2	197.74	1/2		1/2		1/2		1/2	
3/4	1,728.81	3/4	1,397.41	3/4	1,068.43	3/4	756.73	3/4	464.83	3/4	192.24	3/4		3/4		3/4		3/4	
8	1,721.91	8	1,390.51	8	1,061.75	8	750.46	8	458.98	8	186.78	8		8		8		8	
1/4	1,715.00	1/4	1,383.60	1/4	1,055.08	1/4	744.19	1/4	453.12	1/4	181.31	1/4		1/4		1/4		1/4	
1/2	1,708.10	1/2	1,376.70	1/2	1,048.41	1/2	737.92	1/2	447.27	1/2	175.85	1/2		1/2		1/2		1/2	
3/4	1,701.19	3/4	1,369.80	3/4	1,041.73	3/4	731.65	3/4	441.42	3/4	170.38	3/4		3/4		3/4		3/4	
9	1,694.29	9	1,362.89	9	1,035.09	9	725.40	9	435.60	9	164.95	9		9		9		9	
1/4	1,687.38	1/4	1,355.99	1/4	1,028.44	1/4	719.16	1/4	429.77	1/4	159.52	1/4		1/4		1/4		1/4	
1/2	1,680.48	1/2	1,349.08	1/2	1,021.79	1/2	712.92	1/2	423.95	1/2	154.08	1/2		1/2		1/2		1/2	
3/4	1,673.58	3/4	1,342.18	3/4	1,015.15	3/4	706.67	3/4	418.13	3/4	148.65	3/4		3/4		3/4		3/4	
10	1,666.67	10	1,335.28	10	1,008.53	10	700.46	10	412.34	10	143.25	10		10		10		10	
1/4	1,659.77	1/4	1,328.37	1/4	1,001.92	1/4	694.25	1/4	406.55	1/4	137.85	1/4		1/4		1/4		1/4	
1/2	1,652.86	1/2	1,321.47	1/2	995.30	1/2	688.04	1/2	400.76	1/2	132.45	1/2		1/2		1/2		1/2	
3/4	1,645.96	3/4	1,314.56	3/4	988.69	3/4	681.83	3/4	394.97	3/4	127.05	3/4		3/4		3/4		3/4	
11	1,639.06	11	1,307.66	11	982.11	11	675.66	11	389.21	11	121.70	11		11		11		11	
1/4	1,632.15	1/4	1,300.75	1/4	975.53	1/4	669.48	1/4	383.45	1/4	116.35	1/4		1/4		1/4		1/4	
1/2	1,625.25	1/2	1,293.85	1/2	968.94	1/2	663.30	1/2	377.69	1/2	110.99	1/2		1/2		1/2		1/2	
3/4	1,618.34	3/4	1,286.95	3/4	962.36	3/4	657.13	3/4	371.92	3/4	105.64	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/16/2013
RECALCULATED: 12/26/2018
VERIFIEDS: 02/08/2024 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2024

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



BARGE "KIRBY 27009"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 319"

GAUGE HEIGHT 16'-04 3/4"

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	5,029.72	0	4,721.26	0	4,383.10	0	4,019.82	0	3,634.98	0	3,246.52	0	2,858.06
1/4		1/4		1/4		1/4	5,022.14	1/4	4,714.47	1/4	4,375.76	1/4	4,011.99	1/4	3,626.89	1/4	3,238.43	1/4	2,849.97
1/2		1/2		1/2		1/2	5,014.56	1/2	4,707.69	1/2	4,368.41	1/2	4,004.15	1/2	3,618.80	1/2	3,230.34	1/2	2,841.88
3/4		3/4		3/4		3/4	5,006.99	3/4	4,700.90	3/4	4,361.07	3/4	3,996.32	3/4	3,610.70	3/4	3,222.24	3/4	2,833.79
1		1		1		1	5,001.11	1	4,694.07	1	4,353.69	1	3,988.45	1	3,602.61	1	3,214.15	1	2,825.69
1/4		1/4		1/4		1/4	4,995.23	1/4	4,687.24	1/4	4,346.32	1/4	3,980.58	1/4	3,594.52	1/4	3,206.06	1/4	2,817.60
1/2		1/2		1/2		1/2	4,989.35	1/2	4,680.40	1/2	4,338.94	1/2	3,972.71	1/2	3,586.43	1/2	3,197.97	1/2	2,809.51
3/4		3/4		3/4		3/4	4,983.48	3/4	4,673.57	3/4	4,331.56	3/4	3,964.84	3/4	3,578.33	3/4	3,189.87	3/4	2,801.41
2		2		2		2	4,977.57	2	4,666.70	2	4,324.15	2	3,956.92	2	3,570.24	2	3,181.78	2	2,793.32
1/4		1/4		1/4		1/4	4,971.65	1/4	4,659.83	1/4	4,316.73	1/4	3,949.00	1/4	3,562.15	1/4	3,173.69	1/4	2,785.23
1/2		1/2		1/2		1/2	4,965.74	1/2	4,652.96	1/2	4,309.32	1/2	3,941.08	1/2	3,554.05	1/2	3,165.59	1/2	2,777.14
3/4		3/4		3/4		3/4	4,959.83	3/4	4,646.09	3/4	4,301.91	3/4	3,933.16	3/4	3,545.96	3/4	3,157.50	3/4	2,769.04
3		3		3		3	4,953.86	3	4,639.17	3	4,294.45	3	3,925.21	3	3,537.87	3	3,149.41	3	2,760.95
1/4		1/4		1/4		1/4	4,947.90	1/4	4,632.26	1/4	4,286.99	1/4	3,917.25	1/4	3,529.77	1/4	3,141.32	1/4	2,752.86
1/2		1/2		1/2		1/2	4,941.94	1/2	4,625.34	1/2	4,279.52	1/2	3,909.30	1/2	3,521.68	1/2	3,133.22	1/2	2,744.76
3/4		3/4		3/4		3/4	4,935.97	3/4	4,618.42	3/4	4,272.06	3/4	3,901.35	3/4	3,513.59	3/4	3,125.13	3/4	2,736.67
4		4		4		4	4,929.98	4	4,611.47	4	4,264.58	4	3,893.36	4	3,505.50	4	3,117.04	4	2,728.58
1/4		1/4		1/4		1/4	4,923.98	1/4	4,604.52	1/4	4,257.09	1/4	3,885.37	1/4	3,497.40	1/4	3,108.94	1/4	2,720.48
1/2		1/2		1/2		1/2	4,917.98	1/2	4,597.56	1/2	4,249.60	1/2	3,877.37	1/2	3,489.31	1/2	3,100.85	1/2	2,712.39
3/4		3/4		3/4		3/4	4,911.99	3/4	4,590.61	3/4	4,242.12	3/4	3,869.38	3/4	3,481.22	3/4	3,092.76	3/4	2,704.30
5		5		5		5	4,905.95	5	4,583.59	5	4,234.58	5	3,861.35	5	3,473.12	5	3,084.67	5	2,696.21
1/4		1/4		1/4		1/4	4,899.92	1/4	4,576.58	1/4	4,227.05	1/4	3,853.31	1/4	3,465.03	1/4	3,076.57	1/4	2,688.11
1/2		1/2		1/2		1/2	4,893.89	1/2	4,569.56	1/2	4,219.51	1/2	3,845.27	1/2	3,456.94	1/2	3,068.48	1/2	2,680.02
3/4		3/4		3/4	5,211.69	3/4	4,887.85	3/4	4,562.55	3/4	4,211.98	3/4	3,837.24	3/4	3,448.85	3/4	3,060.39	3/4	2,671.93
6		6		6	5,206.10	6	4,881.30	6	4,555.50	6	4,204.41	6	3,829.16	6	3,440.75	6	3,052.29	6	2,663.83
1/4		1/4		1/4	5,200.50	1/4	4,874.74	1/4	4,548.45	1/4	4,196.84	1/4	3,821.09	1/4	3,432.66	1/4	3,044.20	1/4	2,655.74
1/2		1/2		1/2	5,194.91	1/2	4,868.19	1/2	4,541.40	1/2	4,189.27	1/2	3,813.01	1/2	3,424.57	1/2	3,036.11	1/2	2,647.65
3/4		3/4		3/4	5,189.32	3/4	4,861.63	3/4	4,534.36	3/4	4,181.70	3/4	3,804.93	3/4	3,416.47	3/4	3,028.02	3/4	2,639.56
7		7		7	5,181.70	7	4,855.04	7	4,527.27	7	4,174.08	7	3,796.84	7	3,408.38	7	3,019.92	7	2,631.46
1/4		1/4		1/4	5,174.08	1/4	4,848.45	1/4	4,520.19	1/4	4,166.46	1/4	3,788.75	1/4	3,400.29	1/4	3,011.83	1/4	2,623.37
1/2		1/2		1/2	5,166.47	1/2	4,841.85	1/2	4,513.10	1/2	4,158.84	1/2	3,780.65	1/2	3,392.20	1/2	3,003.74	1/2	2,615.28
3/4		3/4		3/4	5,158.85	3/4	4,835.26	3/4	4,506.01	3/4	4,151.22	3/4	3,772.56	3/4	3,384.10	3/4	2,995.64	3/4	2,607.18
8		8		8	5,151.23	8	4,828.62	8	4,498.88	8	4,143.56	8	3,764.47	8	3,376.01	8	2,987.55	8	2,599.09
1/4		1/4		1/4	5,143.61	1/4	4,821.98	1/4	4,491.75	1/4	4,135.91	1/4	3,756.38	1/4	3,367.92	1/4	2,979.46	1/4	2,591.00
1/2		1/2		1/2	5,136.00	1/2	4,815.34	1/2	4,484.62	1/2	4,128.25	1/2	3,748.28	1/2	3,359.82	1/2	2,971.36	1/2	2,582.91
3/4		3/4		3/4	5,128.38	3/4	4,808.70	3/4	4,477.49	3/4	4,120.60	3/4	3,740.19	3/4	3,351.73	3/4	2,963.27	3/4	2,574.81
9		9		9	5,120.76	9	4,802.02	9	4,470.28	9	4,112.90	9	3,732.10	9	3,343.64	9	2,955.18	9	2,566.72
1/4		1/4		1/4	5,113.14	1/4	4,795.35	1/4	4,463.07	1/4	4,105.20	1/4	3,724.00	1/4	3,335.55	1/4	2,947.09	1/4	2,558.63
1/2		1/2		1/2	5,105.53	1/2	4,788.67	1/2	4,455.86	1/2	4,097.49	1/2	3,715.91	1/2	3,327.45	1/2	2,938.99	1/2	2,550.53
3/4		3/4		3/4	5,097.91	3/4	4,781.99	3/4	4,448.65	3/4	4,089.79	3/4	3,707.82	3/4	3,319.36	3/4	2,930.90	3/4	2,542.44
10		10		10	5,090.33	10	4,775.27	10	4,441.39	10	4,082.04	10	3,699.73	10	3,311.27	10	2,922.81	10	2,534.35
1/4		1/4		1/4	5,082.75	1/4	4,768.54	1/4	4,434.13	1/4	4,074.29	1/4	3,691.63	1/4	3,303.17	1/4	2,914.71	1/4	2,526.26
1/2		1/2		1/2	5,075.18	1/2	4,761.81	1/2	4,426.88	1/2	4,066.55	1/2	3,683.54	1/2	3,295.08	1/2	2,906.62	1/2	2,518.16
3/4		3/4		3/4	5,067.60	3/4	4,755.09	3/4	4,419.62	3/4	4,058.80	3/4	3,675.45	3/4	3,286.99	3/4	2,898.53	3/4	2,510.07
11		11		11	5,060.02	11	4,748.33	11	4,412.33	11	4,051.01	11	3,667.35	11	3,278.90	11	2,890.44	11	2,501.98
1/4		1/4		1/4	5,052.45	1/4	4,741.57	1/4	4,405.03	1/4	4,043.22	1/4	3,659.26	1/4	3,270.80	1/4	2,882.34	1/4	2,493.88
1/2		1/2		1/2	5,044.87	1/2	4,734.81	1/2	4,397.74	1/2	4,035.44	1/2	3,651.17	1/2	3,262.71	1/2	2,874.25	1/2	2,485.79
3/4		3/4		3/4	5,037.29	3/4	4,728.05	3/4	4,390.45	3/4	4,027.65	3/4	3,643.08	3/4	3,254.62	3/4	2,866.16	3/4	2,477.70

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC GAUGING DEVICE"
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 27009"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 319"

GAUGE HEIGHT 16'-04 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,469.61	0	2,081.15	0	1,692.69	0	1,304.23	0	915.77	0	541.08	0	154.16	0		0		0	
1/4	2,461.51	1/4	2,073.05	1/4	1,684.59	1/4	1,296.13	1/4	907.68	1/4	533.29	1/4	146.07	1/4		1/4		1/4	
1/2	2,453.42	1/2	2,064.96	1/2	1,676.50	1/2	1,288.04	1/2	899.58	1/2	525.51	1/2	137.98	1/2		1/2		1/2	
3/4	2,445.33	3/4	2,056.87	3/4	1,668.41	3/4	1,279.95	3/4	891.49	3/4	517.72	3/4	129.89	3/4		3/4		3/4	
1	2,437.23	1	2,048.77	1	1,660.32	1	1,271.86	1	883.55	1	509.78	1	121.79	1		1		1	
1/4	2,429.14	1/4	2,040.68	1/4	1,652.22	1/4	1,263.76	1/4	875.61	1/4	501.84	1/4	113.70	1/4		1/4		1/4	
1/2	2,421.05	1/2	2,032.59	1/2	1,644.13	1/2	1,255.67	1/2	867.67	1/2	493.90	1/2	105.61	1/2		1/2		1/2	
3/4	2,412.95	3/4	2,024.50	3/4	1,636.04	3/4	1,247.58	3/4	859.73	3/4	485.96	3/4	97.51	3/4		3/4		3/4	
2	2,404.86	2	2,016.40	2	1,627.94	2	1,239.48	2	851.95	2	477.87	2	89.42	2		2		2	
1/4	2,396.77	1/4	2,008.31	1/4	1,619.85	1/4	1,231.39	1/4	844.18	1/4	469.77	1/4	81.33	1/4		1/4		1/4	
1/2	2,388.68	1/2	2,000.22	1/2	1,611.76	1/2	1,223.30	1/2	836.40	1/2	461.68	1/2	73.24	1/2		1/2		1/2	
3/4	2,380.58	3/4	1,992.12	3/4	1,603.66	3/4	1,215.21	3/4	828.62	3/4	453.59	3/4	65.14	3/4		3/4		3/4	
3	2,372.49	3	1,984.03	3	1,595.57	3	1,207.11	3	820.85	3	445.50	3	58.06	3		3		3	
1/4	2,364.40	1/4	1,975.94	1/4	1,587.48	1/4	1,199.02	1/4	813.08	1/4	437.40	1/4	50.98	1/4		1/4		1/4	
1/2	2,356.30	1/2	1,967.85	1/2	1,579.39	1/2	1,190.93	1/2	805.31	1/2	429.31	1/2	43.90	1/2		1/2		1/2	
3/4	2,348.21	3/4	1,959.75	3/4	1,571.29	3/4	1,182.83	3/4	797.54	3/4	421.22	3/4	36.82	3/4		3/4		3/4	
4	2,340.12	4	1,951.66	4	1,563.20	4	1,174.74	4	789.77	4	413.13	4	31.76	4		4		4	
1/4	2,332.03	1/4	1,943.57	1/4	1,555.11	1/4	1,166.65	1/4	782.00	1/4	405.03	1/4	26.70	1/4		1/4		1/4	
1/2	2,323.93	1/2	1,935.47	1/2	1,547.01	1/2	1,158.56	1/2	774.23	1/2	396.94	1/2	21.64	1/2		1/2		1/2	
3/4	2,315.84	3/4	1,927.38	3/4	1,538.92	3/4	1,150.46	3/4	766.46	3/4	388.85	3/4	16.58	3/4		3/4		3/4	
5	2,307.75	5	1,919.29	5	1,530.83	5	1,142.37	5	758.69	5	380.76	5		5		5		5	
1/4	2,299.65	1/4	1,911.19	1/4	1,522.74	1/4	1,134.28	1/4	750.92	1/4	372.66	1/4		1/4		1/4		1/4	
1/2	2,291.56	1/2	1,903.10	1/2	1,514.64	1/2	1,126.18	1/2	743.15	1/2	364.57	1/2		1/2		1/2		1/2	
3/4	2,283.47	3/4	1,895.01	3/4	1,506.55	3/4	1,118.09	3/4	735.38	3/4	356.48	3/4		3/4		3/4		3/4	
6	2,275.38	6	1,886.92	6	1,498.46	6	1,110.00	6	727.60	6	348.39	6		6		6		6	
1/4	2,267.28	1/4	1,878.82	1/4	1,490.36	1/4	1,101.90	1/4	719.83	1/4	340.29	1/4		1/4		1/4		1/4	
1/2	2,259.19	1/2	1,870.73	1/2	1,482.27	1/2	1,093.81	1/2	712.06	1/2	332.20	1/2		1/2		1/2		1/2	
3/4	2,251.10	3/4	1,862.64	3/4	1,474.18	3/4	1,085.72	3/4	704.29	3/4	324.11	3/4		3/4		3/4		3/4	
7	2,243.00	7	1,854.54	7	1,466.09	7	1,077.63	7	696.52	7	316.01	7		7		7		7	
1/4	2,234.91	1/4	1,846.45	1/4	1,457.99	1/4	1,069.53	1/4	688.75	1/4	307.92	1/4		1/4		1/4		1/4	
1/2	2,226.82	1/2	1,838.36	1/2	1,449.90	1/2	1,061.44	1/2	680.98	1/2	299.83	1/2		1/2		1/2		1/2	
3/4	2,218.73	3/4	1,830.27	3/4	1,441.81	3/4	1,053.35	3/4	673.22	3/4	291.74	3/4		3/4		3/4		3/4	
8	2,210.63	8	1,822.17	8	1,433.71	8	1,045.25	8	665.45	8	283.64	8		8		8		8	
1/4	2,202.54	1/4	1,814.08	1/4	1,425.62	1/4	1,037.16	1/4	657.68	1/4	275.55	1/4		1/4		1/4		1/4	
1/2	2,194.45	1/2	1,805.99	1/2	1,417.53	1/2	1,029.07	1/2	649.91	1/2	267.46	1/2		1/2		1/2		1/2	
3/4	2,186.35	3/4	1,797.89	3/4	1,409.44	3/4	1,020.98	3/4	642.14	3/4	259.37	3/4		3/4		3/4		3/4	
9	2,178.26	9	1,789.80	9	1,401.34	9	1,012.88	9	634.37	9	251.27	9		9		9		9	
1/4	2,170.17	1/4	1,781.71	1/4	1,393.25	1/4	1,004.79	1/4	626.60	1/4	243.18	1/4		1/4		1/4		1/4	
1/2	2,162.07	1/2	1,773.62	1/2	1,385.16	1/2	996.70	1/2	618.83	1/2	235.09	1/2		1/2		1/2		1/2	
3/4	2,153.98	3/4	1,765.52	3/4	1,377.06	3/4	988.60	3/4	611.06	3/4	227.00	3/4		3/4		3/4		3/4	
10	2,145.89	10	1,757.43	10	1,368.97	10	980.51	10	603.29	10	218.90	10		10		10		10	
1/4	2,137.80	1/4	1,749.34	1/4	1,360.88	1/4	972.42	1/4	595.51	1/4	210.81	1/4		1/4		1/4		1/4	
1/2	2,129.70	1/2	1,741.24	1/2	1,352.78	1/2	964.33	1/2	587.74	1/2	202.72	1/2		1/2		1/2		1/2	
3/4	2,121.61	3/4	1,733.15	3/4	1,344.69	3/4	956.23	3/4	579.97	3/4	194.63	3/4		3/4		3/4		3/4	
11	2,113.52	11	1,725.06	11	1,336.60	11	948.14	11	572.20	11	186.53	11		11		11		11	
1/4	2,105.42	1/4	1,716.97	1/4	1,328.51	1/4	940.05	1/4	564.42	1/4	178.44	1/4		1/4		1/4		1/4	
1/2	2,097.33	1/2	1,708.87	1/2	1,320.41	1/2	931.95	1/2	556.64	1/2	170.35	1/2		1/2		1/2		1/2	
3/4	2,089.24	3/4	1,700.78	3/4	1,312.32	3/4	923.86	3/4	548.87	3/4	162.26	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/16/2013
RECALCULATED: 12/26/2018
VERIFIED: 02/08/2024 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2024

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



BARGE "KIRBY 27009"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 319"

GAUGE HEIGHT 16'-04 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		0		0		0	5,040.24	0	4,732.37	0	4,393.43	0	4,029.41	0	3,644.07	0	3,255.35	0	2,866.62
1/4		1/4		1/4		1/4	5,032.66	1/4	4,725.58	1/4	4,386.08	1/4	4,021.57	1/4	3,635.97	1/4	3,247.25	1/4	2,858.53
1/2		1/2		1/2		1/2	5,025.08	1/2	4,718.79	1/2	4,378.73	1/2	4,013.73	1/2	3,627.87	1/2	3,239.15	1/2	2,850.43
3/4		3/4		3/4		3/4	5,019.20	3/4	4,711.95	3/4	4,371.35	3/4	4,005.86	3/4	3,619.78	3/4	3,231.05	3/4	2,842.33
1		1		1		1	5,013.32	1	4,705.11	1	4,363.96	1	3,997.98	1	3,611.68	1	3,222.95	1	2,834.23
1/4		1/4		1/4		1/4	5,007.44	1/4	4,698.28	1/4	4,356.58	1/4	3,990.11	1/4	3,603.58	1/4	3,214.86	1/4	2,826.13
1/2		1/2		1/2		1/2	5,001.55	1/2	4,691.44	1/2	4,349.20	1/2	3,982.23	1/2	3,595.48	1/2	3,206.76	1/2	2,818.03
3/4		3/4		3/4		3/4	4,995.64	3/4	4,684.56	3/4	4,341.78	3/4	3,974.31	3/4	3,587.38	3/4	3,198.66	3/4	2,809.94
2		2		2		2	4,989.72	2	4,677.69	2	4,334.36	2	3,966.38	2	3,579.28	2	3,190.56	2	2,801.84
1/4		1/4		1/4		1/4	4,983.80	1/4	4,670.82	1/4	4,326.94	1/4	3,958.45	1/4	3,571.18	1/4	3,182.46	1/4	2,793.74
1/2		1/2		1/2		1/2	4,977.89	1/2	4,663.94	1/2	4,319.52	1/2	3,950.53	1/2	3,563.09	1/2	3,174.36	1/2	2,785.64
3/4		3/4		3/4		3/4	4,971.92	3/4	4,657.02	3/4	4,312.06	3/4	3,942.57	3/4	3,554.99	3/4	3,166.26	3/4	2,777.54
3		3		3		3	4,965.95	3	4,650.10	3	4,304.59	3	3,934.61	3	3,546.89	3	3,158.17	3	2,769.44
1/4		1/4		1/4		1/4	4,959.99	1/4	4,643.18	1/4	4,297.13	1/4	3,926.65	1/4	3,538.79	1/4	3,150.07	1/4	2,761.34
1/2		1/2		1/2		1/2	4,954.02	1/2	4,636.25	1/2	4,289.66	1/2	3,918.69	1/2	3,530.69	1/2	3,141.97	1/2	2,753.25
3/4		3/4		3/4		3/4	4,948.02	3/4	4,629.30	3/4	4,282.17	3/4	3,910.70	3/4	3,522.59	3/4	3,133.87	3/4	2,745.15
4		4		4		4	4,942.02	4	4,622.34	4	4,274.68	4	3,902.70	4	3,514.50	4	3,125.77	4	2,737.05
1/4		1/4		1/4		1/4	4,936.02	1/4	4,615.38	1/4	4,267.19	1/4	3,894.71	1/4	3,506.40	1/4	3,117.67	1/4	2,728.95
1/2		1/2		1/2		1/2	4,930.02	1/2	4,608.42	1/2	4,259.69	1/2	3,886.71	1/2	3,498.30	1/2	3,109.58	1/2	2,720.85
3/4		3/4		3/4		3/4	4,923.98	3/4	4,601.40	3/4	4,252.16	3/4	3,878.67	3/4	3,490.20	3/4	3,101.48	3/4	2,712.75
5		5		5		5	4,917.94	5	4,594.38	5	4,244.62	5	3,870.63	5	3,482.10	5	3,093.38	5	2,704.66
1/4		1/4		1/4		1/4	4,911.90	1/4	4,587.36	1/4	4,237.08	1/4	3,862.58	1/4	3,474.00	1/4	3,085.28	1/4	2,696.56
1/2		1/2		1/2		1/2	5,229.92	1/2	4,905.86	1/2	4,580.34	1/2	4,229.54	1/2	3,854.54	1/2	3,465.91	1/2	3,077.18
3/4		3/4		3/4		3/4	5,224.32	3/4	4,899.31	3/4	4,573.29	3/4	4,221.96	3/4	3,846.47	3/4	3,457.81	3/4	3,069.08
6		6		6		6	5,218.73	6	4,892.75	6	4,566.24	6	4,214.39	6	3,838.39	6	3,449.71	6	3,060.99
1/4		1/4		1/4		1/4	5,213.13	1/4	4,886.19	1/4	4,559.18	1/4	4,206.81	1/4	3,830.31	1/4	3,441.61	1/4	3,052.89
1/2		1/2		1/2		1/2	5,207.53	1/2	4,879.63	1/2	4,552.13	1/2	4,199.24	1/2	3,822.24	1/2	3,433.51	1/2	3,044.79
3/4		3/4		3/4		3/4	5,199.91	3/4	4,873.03	3/4	4,545.04	3/4	4,191.61	3/4	3,814.14	3/4	3,425.41	3/4	3,036.69
7		7		7		7	5,192.29	7	4,866.43	7	4,537.95	7	4,183.98	7	3,806.04	7	3,417.32	7	3,028.59
1/4		1/4		1/4		1/4	5,184.66	1/4	4,859.83	1/4	4,530.86	1/4	4,176.36	1/4	3,797.94	1/4	3,409.22	1/4	3,020.49
1/2		1/2		1/2		1/2	5,177.04	1/2	4,853.24	1/2	4,523.77	1/2	4,168.73	1/2	3,789.84	1/2	3,401.12	1/2	3,012.40
3/4		3/4		3/4		3/4	5,169.42	3/4	4,846.59	3/4	4,516.63	3/4	4,161.07	3/4	3,781.74	3/4	3,393.02	3/4	3,004.30
8		8		8		8	5,161.80	8	4,839.95	8	4,509.50	8	4,153.41	8	3,773.64	8	3,384.92	8	2,996.20
1/4		1/4		1/4		1/4	5,154.17	1/4	4,833.30	1/4	4,502.36	1/4	4,145.76	1/4	3,765.55	1/4	3,376.82	1/4	2,988.10
1/2		1/2		1/2		1/2	5,146.55	1/2	4,826.66	1/2	4,495.22	1/2	4,138.10	1/2	3,757.45	1/2	3,368.72	1/2	2,980.00
3/4		3/4		3/4		3/4	5,138.93	3/4	4,819.98	3/4	4,488.01	3/4	4,130.39	3/4	3,749.35	3/4	3,360.63	3/4	2,971.90
9		9		9		9	5,131.31	9	4,813.30	9	4,480.79	9	4,122.68	9	3,741.25	9	3,352.53	9	2,963.80
1/4		1/4		1/4		1/4	5,123.68	1/4	4,806.61	1/4	4,473.58	1/4	4,114.97	1/4	3,733.15	1/4	3,344.43	1/4	2,955.71
1/2		1/2		1/2		1/2	5,116.06	1/2	4,799.93	1/2	4,466.36	1/2	4,107.27	1/2	3,725.05	1/2	3,336.33	1/2	2,947.61
3/4		3/4		3/4		3/4	5,108.48	3/4	4,793.20	3/4	4,459.10	3/4	4,099.51	3/4	3,716.96	3/4	3,328.23	3/4	2,939.51
10		10		10		10	5,100.90	10	4,786.47	10	4,451.84	10	4,091.76	10	3,708.86	10	3,320.13	10	2,931.41
1/4		1/4		1/4		1/4	5,093.32	1/4	4,779.74	1/4	4,444.58	1/4	4,084.00	1/4	3,700.76	1/4	3,312.04	1/4	2,923.31
1/2		1/2		1/2		1/2	5,085.73	1/2	4,773.01	1/2	4,437.32	1/2	4,076.25	1/2	3,692.66	1/2	3,303.94	1/2	2,915.21
3/4		3/4		3/4		3/4	5,078.15	3/4	4,766.24	3/4	4,430.02	3/4	4,068.46	3/4	3,684.56	3/4	3,295.84	3/4	2,907.12
11		11		11		11	5,070.57	11	4,759.48	11	4,422.72	11	4,060.67	11	3,676.46	11	3,287.74	11	2,899.02
1/4		1/4		1/4		1/4	5,062.99	1/4	4,752.71	1/4	4,415.42	1/4	4,052.88	1/4	3,668.37	1/4	3,279.64	1/4	2,890.92
1/2		1/2		1/2		1/2	5,055.41	1/2	4,745.95	1/2	4,408.12	1/2	4,045.09	1/2	3,660.27	1/2	3,271.54	1/2	2,882.82
3/4		3/4		3/4		3/4	5,047.82	3/4	4,739.16	3/4	4,400.77	3/4	4,037.25	3/4	3,652.17	3/4	3,263.45	3/4	2,874.72

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC GAUGING DEVICE"
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 27009"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 319"

GAUGE HEIGHT 16'-04 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,477.90	0	2,089.18	0	1,700.45	0	1,311.73	0	923.01	0	534.87	0	146.16	0		0		0	
1/4	2,469.80	1/4	2,081.08	1/4	1,692.36	1/4	1,303.63	1/4	914.91	1/4	526.78	1/4	138.07	1/4		1/4		1/4	
1/2	2,461.70	1/2	2,072.98	1/2	1,684.26	1/2	1,295.53	1/2	906.81	1/2	518.68	1/2	129.97	1/2		1/2		1/2	
3/4	2,453.61	3/4	2,064.88	3/4	1,676.16	3/4	1,287.44	3/4	898.71	3/4	510.58	3/4	121.87	3/4		3/4		3/4	
1	2,445.51	1	2,056.78	1	1,668.06	1	1,279.34	1	890.61	1	502.48	1	113.77	1		1		1	
1/4	2,437.41	1/4	2,048.69	1/4	1,659.96	1/4	1,271.24	1/4	882.52	1/4	494.38	1/4	105.67	1/4		1/4		1/4	
1/2	2,429.31	1/2	2,040.59	1/2	1,651.86	1/2	1,263.14	1/2	874.42	1/2	486.28	1/2	97.58	1/2		1/2		1/2	
3/4	2,421.21	3/4	2,032.49	3/4	1,643.77	3/4	1,255.04	3/4	866.33	3/4	478.19	3/4	89.48	3/4		3/4		3/4	
2	2,413.11	2	2,024.39	2	1,635.67	2	1,246.94	2	858.24	2	470.09	2	81.38	2		2		2	
1/4	2,405.02	1/4	2,016.29	1/4	1,627.57	1/4	1,238.85	1/4	850.15	1/4	461.99	1/4	73.28	1/4		1/4		1/4	
1/2	2,396.92	1/2	2,008.19	1/2	1,619.47	1/2	1,230.75	1/2	842.06	1/2	453.89	1/2	65.18	1/2		1/2		1/2	
3/4	2,388.82	3/4	2,000.10	3/4	1,611.37	3/4	1,222.65	3/4	833.98	3/4	445.79	3/4	58.10	3/4		3/4		3/4	
3	2,380.72	3	1,992.00	3	1,603.27	3	1,214.55	3	825.89	3	437.70	3	51.01	3		3		3	
1/4	2,372.62	1/4	1,983.90	1/4	1,595.18	1/4	1,206.45	1/4	817.81	1/4	429.60	1/4	43.92	1/4		1/4		1/4	
1/2	2,364.52	1/2	1,975.80	1/2	1,587.08	1/2	1,198.35	1/2	809.73	1/2	421.50	1/2	36.84	1/2		1/2		1/2	
3/4	2,356.42	3/4	1,967.70	3/4	1,578.98	3/4	1,190.26	3/4	801.65	3/4	413.40	3/4	31.77	3/4		3/4		3/4	
4	2,348.33	4	1,959.60	4	1,570.88	4	1,182.16	4	793.56	4	405.30	4	26.71	4		4		4	
1/4	2,340.23	1/4	1,951.50	1/4	1,562.78	1/4	1,174.06	1/4	785.48	1/4	397.21	1/4	21.65	1/4		1/4		1/4	
1/2	2,332.13	1/2	1,943.41	1/2	1,554.68	1/2	1,165.96	1/2	777.40	1/2	389.11	1/2	16.60	1/2		1/2		1/2	
3/4	2,324.03	3/4	1,935.31	3/4	1,546.58	3/4	1,157.86	3/4	769.32	3/4	381.01	3/4		3/4		3/4		3/4	
5	2,315.93	5	1,927.21	5	1,538.49	5	1,149.76	5	761.23	5	372.91	5		5		5		5	
1/4	2,307.83	1/4	1,919.11	1/4	1,530.39	1/4	1,141.66	1/4	753.15	1/4	364.81	1/4		1/4		1/4		1/4	
1/2	2,299.74	1/2	1,911.01	1/2	1,522.29	1/2	1,133.57	1/2	745.07	1/2	356.72	1/2		1/2		1/2		1/2	
3/4	2,291.64	3/4	1,902.91	3/4	1,514.19	3/4	1,125.47	3/4	736.99	3/4	348.62	3/4		3/4		3/4		3/4	
6	2,283.54	6	1,894.82	6	1,506.09	6	1,117.37	6	728.90	6	340.52	6		6		6		6	
1/4	2,275.44	1/4	1,886.72	1/4	1,497.99	1/4	1,109.27	1/4	720.82	1/4	332.42	1/4		1/4		1/4		1/4	
1/2	2,267.34	1/2	1,878.62	1/2	1,489.90	1/2	1,101.17	1/2	712.74	1/2	324.32	1/2		1/2		1/2		1/2	
3/4	2,259.24	3/4	1,870.52	3/4	1,481.80	3/4	1,093.07	3/4	704.66	3/4	316.22	3/4		3/4		3/4		3/4	
7	2,251.15	7	1,862.42	7	1,473.70	7	1,084.98	7	696.58	7	308.13	7		7		7		7	
1/4	2,243.05	1/4	1,854.32	1/4	1,465.60	1/4	1,076.88	1/4	688.49	1/4	300.03	1/4		1/4		1/4		1/4	
1/2	2,234.95	1/2	1,846.23	1/2	1,457.50	1/2	1,068.78	1/2	680.41	1/2	291.93	1/2		1/2		1/2		1/2	
3/4	2,226.85	3/4	1,838.13	3/4	1,449.40	3/4	1,060.68	3/4	672.33	3/4	283.83	3/4		3/4		3/4		3/4	
8	2,218.75	8	1,830.03	8	1,441.31	8	1,052.58	8	664.25	8	275.73	8		8		8		8	
1/4	2,210.65	1/4	1,821.93	1/4	1,433.21	1/4	1,044.48	1/4	656.17	1/4	267.64	1/4		1/4		1/4		1/4	
1/2	2,202.56	1/2	1,813.83	1/2	1,425.11	1/2	1,036.39	1/2	648.09	1/2	259.54	1/2		1/2		1/2		1/2	
3/4	2,194.46	3/4	1,805.73	3/4	1,417.01	3/4	1,028.29	3/4	640.01	3/4	251.44	3/4		3/4		3/4		3/4	
9	2,186.36	9	1,797.64	9	1,408.91	9	1,020.19	9	631.92	9	243.34	9		9		9		9	
1/4	2,178.26	1/4	1,789.54	1/4	1,400.81	1/4	1,012.09	1/4	623.84	1/4	235.24	1/4		1/4		1/4		1/4	
1/2	2,170.16	1/2	1,781.44	1/2	1,392.72	1/2	1,003.99	1/2	615.76	1/2	227.15	1/2		1/2		1/2		1/2	
3/4	2,162.06	3/4	1,773.34	3/4	1,384.62	3/4	995.89	3/4	607.68	3/4	219.05	3/4		3/4		3/4		3/4	
10	2,153.96	10	1,765.24	10	1,376.52	10	987.80	10	599.59	10	210.95	10		10		10		10	
1/4	2,145.87	1/4	1,757.14	1/4	1,368.42	1/4	979.70	1/4	591.51	1/4	202.85	1/4		1/4		1/4		1/4	
1/2	2,137.77	1/2	1,749.04	1/2	1,360.32	1/2	971.60	1/2	583.43	1/2	194.75	1/2		1/2		1/2		1/2	
3/4	2,129.67	3/4	1,740.95	3/4	1,352.22	3/4	963.50	3/4	575.34	3/4	186.66	3/4		3/4		3/4		3/4	
11	2,121.57	11	1,732.85	11	1,344.12	11	955.40	11	567.25	11	178.56	11		11		11		11	
1/4	2,113.47	1/4	1,724.75	1/4	1,336.03	1/4	947.30	1/4	559.16	1/4	170.46	1/4		1/4		1/4		1/4	
1/2	2,105.37	1/2	1,716.65	1/2	1,327.93	1/2	939.20	1/2	551.07	1/2	162.36	1/2		1/2		1/2		1/2	
3/4	2,097.28	3/4	1,708.55	3/4	1,319.83	3/4	931.11	3/4	542.97	3/4	154.26	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/16/2013
RECALCULATED: 12/26/2018
VERIFIED: 02/08/2024 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2024

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



BARGE "KIRBY 27009"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 319"

GAUGE HEIGHT 16'-04 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		0		0		0	4,284.40	0	4,084.75	0	3,866.05	0	3,624.31	0	3,361.32	0	3,008.90	0	2,648.22
1/4		1/4		1/4		1/4	4,278.92	1/4	4,080.44	1/4	3,861.23	1/4	3,619.00	1/4	3,355.78	1/4	3,001.39	1/4	2,640.71
1/2		1/2		1/2		1/2	4,273.44	1/2	4,076.13	1/2	3,856.41	1/2	3,613.70	1/2	3,350.25	1/2	2,993.89	1/2	2,633.19
3/4		3/4		3/4		3/4	4,269.53	3/4	4,071.77	3/4	3,851.57	3/4	3,608.36	3/4	3,343.85	3/4	2,986.37	3/4	2,625.68
1		1		1		1	4,265.63	1	4,067.42	1	3,846.72	1	3,603.02	1	3,337.45	1	2,978.86	1	2,618.16
1/4		1/4		1/4		1/4	4,261.73	1/4	4,063.07	1/4	3,841.88	1/4	3,597.68	1/4	3,330.79	1/4	2,971.34	1/4	2,610.65
1/2		1/2		1/2		1/2	4,257.82	1/2	4,058.72	1/2	3,837.03	1/2	3,592.35	1/2	3,324.14	1/2	2,963.83	1/2	2,603.13
3/4		3/4		3/4		3/4	4,253.89	3/4	4,054.33	3/4	3,832.15	3/4	3,586.96	3/4	3,316.63	3/4	2,956.32	3/4	2,595.62
2		2		2		2	4,249.95	2	4,049.94	2	3,827.27	2	3,581.58	2	3,309.11	2	2,948.80	2	2,588.10
1/4		1/4		1/4		1/4	4,246.01	1/4	4,045.56	1/4	3,822.39	1/4	3,576.19	1/4	3,301.60	1/4	2,941.29	1/4	2,580.59
1/2		1/2		1/2		1/2	4,242.08	1/2	4,041.17	1/2	3,817.51	1/2	3,570.80	1/2	3,294.09	1/2	2,933.77	1/2	2,573.08
3/4		3/4		3/4		3/4	4,238.09	3/4	4,036.74	3/4	3,812.58	3/4	3,565.39	3/4	3,286.57	3/4	2,926.26	3/4	2,565.55
3		3		3		3	4,234.11	3	4,032.31	3	3,807.66	3	3,559.97	3	3,279.06	3	2,918.74	3	2,558.03
1/4		1/4		1/4		1/4	4,230.12	1/4	4,027.88	1/4	3,802.73	1/4	3,554.56	1/4	3,271.55	1/4	2,911.23	1/4	2,550.50
1/2		1/2		1/2		1/2	4,226.14	1/2	4,023.45	1/2	3,797.81	1/2	3,549.14	1/2	3,264.04	1/2	2,903.71	1/2	2,542.98
3/4		3/4		3/4		3/4	4,222.12	3/4	4,018.98	3/4	3,792.86	3/4	3,543.69	3/4	3,256.53	3/4	2,896.20	3/4	2,535.46
4		4		4		4	4,218.11	4	4,014.52	4	3,787.91	4	3,538.24	4	3,249.03	4	2,888.68	4	2,527.93
1/4		1/4		1/4		1/4	4,214.10	1/4	4,010.05	1/4	3,782.96	1/4	3,532.79	1/4	3,241.52	1/4	2,881.17	1/4	2,520.41
1/2		1/2		1/2		1/2	4,210.08	1/2	4,005.59	1/2	3,778.01	1/2	3,527.34	1/2	3,234.02	1/2	2,873.66	1/2	2,512.89
3/4		3/4		3/4		3/4	4,206.03	3/4	4,001.07	3/4	3,773.01	3/4	3,521.84	3/4	3,226.51	3/4	2,866.14	3/4	2,505.36
5		5		5		5	4,201.98	5	3,996.55	5	3,768.02	5	3,516.35	5	3,219.01	5	2,858.63	5	2,497.84
1/4		1/4		1/4		1/4	4,197.93	1/4	3,992.03	1/4	3,763.02	1/4	3,510.86	1/4	3,211.51	1/4	2,851.11	1/4	2,490.31
1/2		1/2		1/2	4,431.80	1/2	4,193.88	1/2	3,987.51	1/2	3,758.03	1/2	3,505.36	1/2	3,204.00	1/2	2,843.60	1/2	2,482.79
3/4		3/4		3/4	4,426.19	3/4	4,189.79	3/4	3,982.96	3/4	3,753.00	3/4	3,499.83	3/4	3,196.50	3/4	2,836.08	3/4	2,475.27
6		6		6	4,420.57	6	4,185.70	6	3,978.41	6	3,747.97	6	3,494.31	6	3,188.99	6	2,828.57	6	2,467.74
1/4		1/4		1/4	4,414.96	1/4	4,181.61	1/4	3,973.86	1/4	3,742.94	1/4	3,488.78	1/4	3,181.49	1/4	2,821.05	1/4	2,460.22
1/2		1/2		1/2	4,409.34	1/2	4,177.51	1/2	3,969.31	1/2	3,737.91	1/2	3,483.25	1/2	3,173.99	1/2	2,813.54	1/2	2,452.70
3/4		3/4		3/4	4,402.71	3/4	4,173.39	3/4	3,964.72	3/4	3,732.84	3/4	3,477.70	3/4	3,166.48	3/4	2,806.03	3/4	2,445.17
7		7		7	4,396.09	7	4,169.26	7	3,960.14	7	3,727.76	7	3,472.15	7	3,158.98	7	2,798.51	7	2,437.65
1/4		1/4		1/4	4,389.71	1/4	4,165.13	1/4	3,955.55	1/4	3,722.69	1/4	3,466.61	1/4	3,151.47	1/4	2,791.00	1/4	2,430.13
1/2		1/2		1/2	4,383.34	1/2	4,161.00	1/2	3,950.97	1/2	3,717.61	1/2	3,461.06	1/2	3,143.97	1/2	2,783.48	1/2	2,422.60
3/4		3/4		3/4	4,377.83	3/4	4,156.83	3/4	3,946.34	3/4	3,712.51	3/4	3,455.51	3/4	3,136.47	3/4	2,775.97	3/4	2,415.08
8		8		8	4,372.31	8	4,152.66	8	3,941.71	8	3,707.40	8	3,449.97	8	3,128.96	8	2,768.45	8	2,407.55
1/4		1/4		1/4	4,366.80	1/4	4,148.49	1/4	3,937.08	1/4	3,702.29	1/4	3,444.42	1/4	3,121.46	1/4	2,760.94	1/4	2,400.03
1/2		1/2		1/2	4,361.29	1/2	4,144.32	1/2	3,932.45	1/2	3,697.19	1/2	3,438.87	1/2	3,113.95	1/2	2,753.42	1/2	2,392.51
3/4		3/4		3/4	4,355.78	3/4	4,140.11	3/4	3,927.76	3/4	3,692.04	3/4	3,433.33	3/4	3,106.45	3/4	2,745.91	3/4	2,384.98
9		9		9	4,350.27	9	4,135.91	9	3,923.07	9	3,686.89	9	3,427.78	9	3,098.94	9	2,738.39	9	2,377.46
1/4		1/4		1/4	4,344.75	1/4	4,131.71	1/4	3,918.38	1/4	3,681.74	1/4	3,422.23	1/4	3,091.44	1/4	2,730.88	1/4	2,369.94
1/2		1/2		1/2	4,339.24	1/2	4,127.50	1/2	3,913.69	1/2	3,676.59	1/2	3,416.68	1/2	3,083.94	1/2	2,723.37	1/2	2,362.41
3/4		3/4		3/4	4,333.76	3/4	4,123.25	3/4	3,908.96	3/4	3,671.40	3/4	3,411.15	3/4	3,076.43	3/4	2,715.85	3/4	2,354.89
10		10		10	4,328.28	10	4,119.00	10	3,904.22	10	3,666.21	10	3,405.61	10	3,068.93	10	2,708.34	10	2,347.36
1/4		1/4		1/4	4,322.79	1/4	4,114.75	1/4	3,899.49	1/4	3,661.02	1/4	3,400.07	1/4	3,061.42	1/4	2,700.82	1/4	2,339.84
1/2		1/2		1/2	4,317.31	1/2	4,110.49	1/2	3,894.75	1/2	3,655.82	1/2	3,394.54	1/2	3,053.92	1/2	2,693.31	1/2	2,332.32
3/4		3/4		3/4	4,311.82	3/4	4,106.21	3/4	3,889.98	3/4	3,650.60	3/4	3,389.00	3/4	3,046.42	3/4	2,685.79	3/4	2,324.79
11		11		11	4,306.34	11	4,101.93	11	3,885.21	11	3,645.37	11	3,383.46	11	3,038.91	11	2,678.28	11	2,317.27
1/4		1/4		1/4	4,300.86	1/4	4,097.65	1/4	3,880.45	1/4	3,640.15	1/4	3,377.93	1/4	3,031.41	1/4	2,670.76	1/4	2,309.75
1/2		1/2		1/2	4,295.37	1/2	4,093.36	1/2	3,875.68	1/2	3,634.92	1/2	3,372.39	1/2	3,023.90	1/2	2,663.25	1/2	2,302.22
3/4		3/4		3/4	4,289.89	3/4	4,089.05	3/4	3,870.86	3/4	3,629.61	3/4	3,366.86	3/4	3,016.40	3/4	2,655.74	3/4	2,294.70

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC GAUGING DEVICE"
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 45'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 27009"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 319"

GAUGE HEIGHT 16'-04 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,287.17	0	1,926.04	0	1,565.90	0	1,205.04	0	844.06	0	495.93	0	135.87	0		0		0	
1/4	2,279.65	1/4	1,918.51	1/4	1,558.40	1/4	1,197.52	1/4	836.54	1/4	488.69	1/4	128.34	1/4		1/4		1/4	
1/2	2,272.13	1/2	1,910.99	1/2	1,550.90	1/2	1,190.00	1/2	829.02	1/2	481.46	1/2	120.82	1/2		1/2		1/2	
3/4	2,264.60	3/4	1,903.47	3/4	1,543.40	3/4	1,182.48	3/4	821.63	3/4	474.08	3/4	113.29	3/4		3/4		3/4	
1	2,257.08	1	1,895.94	1	1,535.90	1	1,174.96	1	814.25	1	466.71	1	105.76	1		1		1	
1/4	2,249.56	1/4	1,888.42	1/4	1,528.40	1/4	1,167.44	1/4	806.86	1/4	459.33	1/4	98.24	1/4		1/4		1/4	
1/2	2,242.03	1/2	1,880.90	1/2	1,520.90	1/2	1,159.92	1/2	799.48	1/2	451.95	1/2	90.71	1/2		1/2		1/2	
3/4	2,234.51	3/4	1,873.40	3/4	1,513.37	3/4	1,152.40	3/4	792.24	3/4	444.43	3/4	83.19	3/4		3/4		3/4	
2	2,226.99	2	1,865.90	2	1,505.85	2	1,144.88	2	784.99	2	436.90	2	75.66	2		2		2	
1/4	2,219.46	1/4	1,858.40	1/4	1,498.33	1/4	1,137.35	1/4	777.75	1/4	429.38	1/4	68.13	1/4		1/4		1/4	
1/2	2,211.94	1/2	1,850.90	1/2	1,490.81	1/2	1,129.83	1/2	770.51	1/2	421.85	1/2	60.61	1/2		1/2		1/2	
3/4	2,204.41	3/4	1,843.40	3/4	1,483.29	3/4	1,122.31	3/4	763.28	3/4	414.33	3/4	54.02	3/4		3/4		3/4	
3	2,196.89	3	1,835.90	3	1,475.77	3	1,114.79	3	756.04	3	406.80	3	47.44	3		3		3	
1/4	2,189.37	1/4	1,828.40	1/4	1,468.25	1/4	1,107.27	1/4	748.81	1/4	399.27	1/4	40.85	1/4		1/4		1/4	
1/2	2,181.84	1/2	1,820.90	1/2	1,460.73	1/2	1,099.75	1/2	741.57	1/2	391.75	1/2	34.26	1/2		1/2		1/2	
3/4	2,174.32	3/4	1,813.40	3/4	1,453.21	3/4	1,092.23	3/4	734.35	3/4	384.22	3/4	29.56	3/4		3/4		3/4	
4	2,166.80	4	1,805.90	4	1,445.69	4	1,084.71	4	727.13	4	376.70	4	24.86	4		4		4	
1/4	2,159.27	1/4	1,798.40	1/4	1,438.17	1/4	1,077.19	1/4	719.90	1/4	369.17	1/4	20.15	1/4		1/4		1/4	
1/2	2,151.75	1/2	1,790.90	1/2	1,430.65	1/2	1,069.67	1/2	712.68	1/2	361.64	1/2	15.45	1/2		1/2		1/2	
3/4	2,144.22	3/4	1,783.40	3/4	1,423.13	3/4	1,062.15	3/4	705.46	3/4	354.12	3/4		3/4		3/4		3/4	
5	2,136.70	5	1,775.90	5	1,415.61	5	1,054.63	5	698.23	5	346.59	5		5		5		5	
1/4	2,129.18	1/4	1,768.40	1/4	1,408.09	1/4	1,047.11	1/4	691.01	1/4	339.07	1/4		1/4		1/4		1/4	
1/2	2,121.65	1/2	1,760.90	1/2	1,400.57	1/2	1,039.59	1/2	683.79	1/2	331.54	1/2		1/2		1/2		1/2	
3/4	2,114.13	3/4	1,753.40	3/4	1,393.05	3/4	1,032.07	3/4	676.56	3/4	324.01	3/4		3/4		3/4		3/4	
6	2,106.61	6	1,745.90	6	1,385.53	6	1,024.55	6	669.34	6	316.49	6		6		6		6	
1/4	2,099.08	1/4	1,738.40	1/4	1,378.01	1/4	1,017.03	1/4	662.12	1/4	308.96	1/4		1/4		1/4		1/4	
1/2	2,091.56	1/2	1,730.90	1/2	1,370.49	1/2	1,009.51	1/2	654.89	1/2	301.44	1/2		1/2		1/2		1/2	
3/4	2,084.04	3/4	1,723.40	3/4	1,362.97	3/4	1,001.99	3/4	647.67	3/4	293.91	3/4		3/4		3/4		3/4	
7	2,076.51	7	1,715.90	7	1,355.45	7	994.47	7	640.45	7	286.38	7		7		7		7	
1/4	2,068.99	1/4	1,708.40	1/4	1,347.93	1/4	986.95	1/4	633.23	1/4	278.86	1/4		1/4		1/4		1/4	
1/2	2,061.46	1/2	1,700.90	1/2	1,340.41	1/2	979.43	1/2	626.01	1/2	271.33	1/2		1/2		1/2		1/2	
3/4	2,053.94	3/4	1,693.40	3/4	1,332.89	3/4	971.91	3/4	618.78	3/4	263.81	3/4		3/4		3/4		3/4	
8	2,046.42	8	1,685.90	8	1,325.36	8	964.39	8	611.56	8	256.28	8		8		8		8	
1/4	2,038.89	1/4	1,678.40	1/4	1,317.84	1/4	956.87	1/4	604.34	1/4	248.76	1/4		1/4		1/4		1/4	
1/2	2,031.37	1/2	1,670.90	1/2	1,310.32	1/2	949.34	1/2	597.12	1/2	241.23	1/2		1/2		1/2		1/2	
3/4	2,023.85	3/4	1,663.40	3/4	1,302.80	3/4	941.82	3/4	589.89	3/4	233.70	3/4		3/4		3/4		3/4	
9	2,016.32	9	1,655.90	9	1,295.28	9	934.30	9	582.67	9	226.18	9		9		9		9	
1/4	2,008.80	1/4	1,648.40	1/4	1,287.76	1/4	926.78	1/4	575.45	1/4	218.65	1/4		1/4		1/4		1/4	
1/2	2,001.27	1/2	1,640.90	1/2	1,280.24	1/2	919.26	1/2	568.22	1/2	211.13	1/2		1/2		1/2		1/2	
3/4	1,993.75	3/4	1,633.40	3/4	1,272.72	3/4	911.74	3/4	561.00	3/4	203.60	3/4		3/4		3/4		3/4	
10	1,986.23	10	1,625.90	10	1,265.20	10	904.22	10	553.78	10	196.07	10		10		10		10	
1/4	1,978.70	1/4	1,618.40	1/4	1,257.68	1/4	896.70	1/4	546.55	1/4	188.55	1/4		1/4		1/4		1/4	
1/2	1,971.18	1/2	1,610.90	1/2	1,250.16	1/2	889.18	1/2	539.33	1/2	181.02	1/2		1/2		1/2		1/2	
3/4	1,963.66	3/4	1,603.40	3/4	1,242.64	3/4	881.66	3/4	532.10	3/4	173.50	3/4		3/4		3/4		3/4	
11	1,956.13	11	1,595.90	11	1,235.12	11	874.14	11	524.87	11	165.97	11		11		11		11	
1/4	1,948.61	1/4	1,588.40	1/4	1,227.60	1/4	866.62	1/4	517.64	1/4	158.44	1/4		1/4		1/4		1/4	
1/2	1,941.08	1/2	1,580.90	1/2	1,220.08	1/2	859.10	1/2	510.41	1/2	150.92	1/2		1/2		1/2		1/2	
3/4	1,933.56	3/4	1,573.40	3/4	1,212.56	3/4	851.58	3/4	503.17	3/4	143.39	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/16/2013
RECALCULATED: 12/26/2018
VERIFIED: 02/08/2024 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2024

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



BARGE "KIRBY 27009"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 319"

GAUGE HEIGHT 16'-04 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		0		0		0	4,287.15	0	4,084.44	0	3,862.98	0	3,619.52	0	3,356.47	0	3,003.83	0	2,643.44
1/4		1/4		1/4		1/4	4,281.61	1/4	4,080.06	1/4	3,858.13	1/4	3,614.21	1/4	3,350.92	1/4	2,996.32	1/4	2,635.93
1/2		1/2		1/2		1/2	4,276.06	1/2	4,075.68	1/2	3,853.28	1/2	3,608.91	1/2	3,345.37	1/2	2,988.81	1/2	2,628.42
3/4		3/4		3/4		3/4	4,272.09	3/4	4,071.26	3/4	3,848.40	3/4	3,603.57	3/4	3,338.97	3/4	2,981.31	3/4	2,620.91
1		1		1		1	4,268.13	1	4,066.84	1	3,843.52	1	3,598.23	1	3,332.56	1	2,973.80	1	2,613.40
1/4		1/4		1/4		1/4	4,264.16	1/4	4,062.41	1/4	3,838.64	1/4	3,592.89	1/4	3,325.90	1/4	2,966.29	1/4	2,605.90
1/2		1/2		1/2		1/2	4,260.19	1/2	4,057.99	1/2	3,833.76	1/2	3,587.56	1/2	3,319.24	1/2	2,958.78	1/2	2,598.39
3/4		3/4		3/4		3/4	4,256.19	3/4	4,053.53	3/4	3,828.85	3/4	3,582.17	3/4	3,311.73	3/4	2,951.27	3/4	2,590.88
2		2		2		2	4,252.19	2	4,049.08	2	3,823.93	2	3,576.79	2	3,304.22	2	2,943.77	2	2,583.37
1/4		1/4		1/4		1/4	4,248.19	1/4	4,044.62	1/4	3,819.02	1/4	3,571.40	1/4	3,296.70	1/4	2,936.26	1/4	2,575.86
1/2		1/2		1/2		1/2	4,244.19	1/2	4,040.16	1/2	3,814.10	1/2	3,566.02	1/2	3,289.19	1/2	2,928.75	1/2	2,568.36
3/4		3/4		3/4		3/4	4,240.14	3/4	4,035.66	3/4	3,809.14	3/4	3,560.60	3/4	3,281.68	3/4	2,921.24	3/4	2,560.85
3		3		3		3	4,236.10	3	4,031.16	3	3,804.18	3	3,555.18	3	3,274.17	3	2,913.73	3	2,553.34
1/4		1/4		1/4		1/4	4,232.05	1/4	4,026.65	1/4	3,799.23	1/4	3,549.77	1/4	3,266.66	1/4	2,906.22	1/4	2,545.83
1/2		1/2		1/2		1/2	4,228.00	1/2	4,022.15	1/2	3,794.27	1/2	3,544.35	1/2	3,259.15	1/2	2,898.72	1/2	2,538.32
3/4		3/4		3/4		3/4	4,223.92	3/4	4,017.62	3/4	3,789.27	3/4	3,538.90	3/4	3,251.64	3/4	2,891.21	3/4	2,530.83
4		4		4		4	4,219.85	4	4,013.08	4	3,784.28	4	3,533.45	4	3,244.12	4	2,883.70	4	2,523.33
1/4		1/4		1/4		1/4	4,215.77	1/4	4,008.55	1/4	3,779.29	1/4	3,528.00	1/4	3,236.61	1/4	2,876.19	1/4	2,515.84
1/2		1/2		1/2		1/2	4,211.69	1/2	4,004.01	1/2	3,774.30	1/2	3,522.55	1/2	3,229.10	1/2	2,868.68	1/2	2,508.34
3/4		3/4		3/4		3/4	4,207.58	3/4	3,999.43	3/4	3,769.26	3/4	3,517.06	3/4	3,221.59	3/4	2,861.18	3/4	2,500.85
5		5		5		5	4,203.46	5	3,994.85	5	3,764.22	5	3,511.56	5	3,214.08	5	2,853.67	5	2,493.36
1/4		1/4		1/4		1/4	4,199.35	1/4	3,990.26	1/4	3,759.18	1/4	3,506.07	1/4	3,206.57	1/4	2,846.16	1/4	2,485.86
1/2		1/2		1/2	4,435.68	1/2	4,195.24	1/2	3,985.68	1/2	3,754.15	1/2	3,500.58	1/2	3,199.06	1/2	2,838.65	1/2	2,478.37
3/4		3/4		3/4	4,430.04	3/4	4,191.08	3/4	3,981.07	3/4	3,749.08	3/4	3,495.05	3/4	3,191.55	3/4	2,831.14	3/4	2,470.87
6		6		6	4,424.39	6	4,186.93	6	3,976.46	6	3,744.01	6	3,489.52	6	3,184.03	6	2,823.63	6	2,463.38
1/4		1/4		1/4	4,418.75	1/4	4,182.77	1/4	3,971.84	1/4	3,738.94	1/4	3,483.99	1/4	3,176.52	1/4	2,816.13	1/4	2,455.88
1/2		1/2		1/2	4,413.11	1/2	4,178.62	1/2	3,967.23	1/2	3,733.86	1/2	3,478.46	1/2	3,169.01	1/2	2,808.62	1/2	2,448.39
3/4		3/4		3/4	4,406.44	3/4	4,174.43	3/4	3,962.58	3/4	3,728.75	3/4	3,472.92	3/4	3,161.50	3/4	2,801.11	3/4	2,440.89
7		7		7	4,399.78	7	4,170.24	7	3,957.93	7	3,723.63	7	3,467.37	7	3,154.00	7	2,793.60	7	2,433.40
1/4		1/4		1/4	4,393.38	1/4	4,166.05	1/4	3,953.29	1/4	3,718.51	1/4	3,461.83	1/4	3,146.49	1/4	2,786.09	1/4	2,425.91
1/2		1/2		1/2	4,386.97	1/2	4,161.86	1/2	3,948.64	1/2	3,713.40	1/2	3,456.28	1/2	3,138.98	1/2	2,778.59	1/2	2,418.41
3/4		3/4		3/4	4,381.42	3/4	4,157.62	3/4	3,943.95	3/4	3,708.25	3/4	3,450.74	3/4	3,131.47	3/4	2,771.08	3/4	2,410.92
8		8		8	4,375.88	8	4,153.39	8	3,939.26	8	3,703.10	8	3,445.19	8	3,123.96	8	2,763.57	8	2,403.42
1/4		1/4		1/4	4,370.33	1/4	4,149.15	1/4	3,934.57	1/4	3,697.95	1/4	3,439.65	1/4	3,116.45	1/4	2,756.06	1/4	2,395.93
1/2		1/2		1/2	4,364.79	1/2	4,144.92	1/2	3,929.87	1/2	3,692.80	1/2	3,434.10	1/2	3,108.95	1/2	2,748.55	1/2	2,388.43
3/4		3/4		3/4	4,359.24	3/4	4,140.65	3/4	3,925.15	3/4	3,687.62	3/4	3,428.56	3/4	3,101.44	3/4	2,741.04	3/4	2,380.94
9		9		9	4,353.70	9	4,136.38	9	3,920.42	9	3,682.44	9	3,423.01	9	3,093.93	9	2,733.54	9	2,373.44
1/4		1/4		1/4	4,348.15	1/4	4,132.11	1/4	3,915.70	1/4	3,677.25	1/4	3,417.46	1/4	3,086.42	1/4	2,726.03	1/4	2,365.95
1/2		1/2		1/2	4,342.61	1/2	4,127.85	1/2	3,910.97	1/2	3,672.07	1/2	3,411.92	1/2	3,078.91	1/2	2,718.52	1/2	2,358.45
3/4		3/4		3/4	4,337.06	3/4	4,123.53	3/4	3,906.20	3/4	3,666.85	3/4	3,406.37	3/4	3,071.40	3/4	2,711.01	3/4	2,350.96
10		10		10	4,331.51	10	4,119.22	10	3,901.43	10	3,661.62	10	3,400.83	10	3,063.90	10	2,703.50	10	2,343.47
1/4		1/4		1/4	4,325.97	1/4	4,114.90	1/4	3,896.66	1/4	3,656.39	1/4	3,395.28	1/4	3,056.39	1/4	2,695.99	1/4	2,335.97
1/2		1/2		1/2	4,320.42	1/2	4,110.59	1/2	3,891.90	1/2	3,651.17	1/2	3,389.74	1/2	3,048.88	1/2	2,688.49	1/2	2,328.48
3/4		3/4		3/4	4,314.88	3/4	4,106.24	3/4	3,887.09	3/4	3,645.91	3/4	3,384.19	3/4	3,041.37	3/4	2,680.98	3/4	2,320.98
11		11		11	4,309.33	11	4,101.90	11	3,882.29	11	3,640.65	11	3,378.65	11	3,033.86	11	2,673.47	11	2,313.49
1/4		1/4		1/4	4,303.79	1/4	4,097.55	1/4	3,877.49	1/4	3,635.39	1/4	3,373.10	1/4	3,026.36	1/4	2,665.96	1/4	2,305.99
1/2		1/2		1/2	4,298.24	1/2	4,093.21	1/2	3,872.68	1/2	3,630.13	1/2	3,367.56	1/2	3,018.85	1/2	2,658.45	1/2	2,298.50
3/4		3/4		3/4	4,292.70	3/4	4,088.83	3/4	3,867.83	3/4	3,624.82	3/4	3,362.01	3/4	3,011.34	3/4	2,650.95	3/4	2,290.99

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC GAUGING DEVICE"
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 45'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 27009"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 319"

GAUGE HEIGHT 16'-04 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,283.48	0	1,922.93	0	1,564.11	0	1,204.60	0	844.06	0	495.19	0	135.67	0		0		0	
1/4	2,275.96	1/4	1,915.42	1/4	1,556.65	1/4	1,197.09	1/4	836.55	1/4	487.93	1/4	128.16	1/4		1/4		1/4	
1/2	2,268.45	1/2	1,907.91	1/2	1,549.20	1/2	1,189.58	1/2	829.04	1/2	480.67	1/2	120.65	1/2		1/2		1/2	
3/4	2,260.94	3/4	1,900.40	3/4	1,541.75	3/4	1,182.06	3/4	821.65	3/4	473.28	3/4	113.14	3/4		3/4		3/4	
1	2,253.43	1	1,892.89	1	1,534.29	1	1,174.55	1	814.27	1	465.90	1	105.62	1		1		1	
1/4	2,245.92	1/4	1,885.38	1/4	1,526.84	1/4	1,167.04	1/4	806.88	1/4	458.51	1/4	98.11	1/4		1/4		1/4	
1/2	2,238.41	1/2	1,877.87	1/2	1,519.38	1/2	1,159.53	1/2	799.50	1/2	451.13	1/2	90.60	1/2		1/2		1/2	
3/4	2,230.90	3/4	1,870.35	3/4	1,511.93	3/4	1,152.02	3/4	792.25	3/4	443.62	3/4	83.09	3/4		3/4		3/4	
2	2,223.39	2	1,862.84	2	1,504.47	2	1,144.51	2	785.00	2	436.11	2	75.58	2		2		2	
1/4	2,215.87	1/4	1,855.33	1/4	1,497.02	1/4	1,137.00	1/4	777.75	1/4	428.60	1/4	68.07	1/4		1/4		1/4	
1/2	2,208.36	1/2	1,847.82	1/2	1,489.57	1/2	1,129.49	1/2	770.49	1/2	421.09	1/2	60.56	1/2		1/2		1/2	
3/4	2,200.85	3/4	1,840.31	3/4	1,482.11	3/4	1,121.97	3/4	763.25	3/4	413.58	3/4	53.99	3/4		3/4		3/4	
3	2,193.34	3	1,832.80	3	1,474.66	3	1,114.46	3	756.01	3	406.06	3	47.41	3		3		3	
1/4	2,185.83	1/4	1,825.29	1/4	1,467.20	1/4	1,106.95	1/4	748.76	1/4	398.55	1/4	40.84	1/4		1/4		1/4	
1/2	2,178.32	1/2	1,817.78	1/2	1,459.75	1/2	1,099.44	1/2	741.52	1/2	391.04	1/2	34.27	1/2		1/2		1/2	
3/4	2,170.81	3/4	1,810.26	3/4	1,452.30	3/4	1,091.93	3/4	734.28	3/4	383.53	3/4	29.57	3/4		3/4		3/4	
4	2,163.30	4	1,802.75	4	1,444.84	4	1,084.42	4	727.03	4	376.02	4	24.87	4		4		4	
1/4	2,155.78	1/4	1,795.24	1/4	1,437.39	1/4	1,076.91	1/4	719.79	1/4	368.51	1/4	20.16	1/4		1/4		1/4	
1/2	2,148.27	1/2	1,787.73	1/2	1,429.93	1/2	1,069.40	1/2	712.55	1/2	361.00	1/2	15.46	1/2		1/2		1/2	
3/4	2,140.76	3/4	1,780.28	3/4	1,422.42	3/4	1,061.88	3/4	705.30	3/4	353.49	3/4		3/4		3/4		3/4	
5	2,133.25	5	1,772.82	5	1,414.91	5	1,054.37	5	698.06	5	345.98	5		5		5		5	
1/4	2,125.74	1/4	1,765.37	1/4	1,407.40	1/4	1,046.86	1/4	690.81	1/4	338.47	1/4		1/4		1/4		1/4	
1/2	2,118.23	1/2	1,757.91	1/2	1,399.89	1/2	1,039.35	1/2	683.57	1/2	330.95	1/2		1/2		1/2		1/2	
3/4	2,110.72	3/4	1,750.46	3/4	1,392.38	3/4	1,031.84	3/4	676.33	3/4	323.44	3/4		3/4		3/4		3/4	
6	2,103.20	6	1,743.01	6	1,384.87	6	1,024.33	6	669.08	6	315.93	6		6		6		6	
1/4	2,095.69	1/4	1,735.55	1/4	1,377.36	1/4	1,016.82	1/4	661.84	1/4	308.42	1/4		1/4		1/4		1/4	
1/2	2,088.18	1/2	1,728.10	1/2	1,369.84	1/2	1,009.31	1/2	654.60	1/2	300.91	1/2		1/2		1/2		1/2	
3/4	2,080.67	3/4	1,720.64	3/4	1,362.33	3/4	1,001.80	3/4	647.35	3/4	293.40	3/4		3/4		3/4		3/4	
7	2,073.16	7	1,713.19	7	1,354.82	7	994.28	7	640.11	7	285.89	7		7		7		7	
1/4	2,065.65	1/4	1,705.74	1/4	1,347.31	1/4	986.77	1/4	632.87	1/4	278.38	1/4		1/4		1/4		1/4	
1/2	2,058.14	1/2	1,698.28	1/2	1,339.80	1/2	979.26	1/2	625.63	1/2	270.87	1/2		1/2		1/2		1/2	
3/4	2,050.63	3/4	1,690.83	3/4	1,332.29	3/4	971.75	3/4	618.38	3/4	263.36	3/4		3/4		3/4		3/4	
8	2,043.11	8	1,683.37	8	1,324.78	8	964.24	8	611.14	8	255.84	8		8		8		8	
1/4	2,035.60	1/4	1,675.92	1/4	1,317.27	1/4	956.73	1/4	603.90	1/4	248.33	1/4		1/4		1/4		1/4	
1/2	2,028.09	1/2	1,668.46	1/2	1,309.75	1/2	949.22	1/2	596.65	1/2	240.82	1/2		1/2		1/2		1/2	
3/4	2,020.58	3/4	1,661.01	3/4	1,302.24	3/4	941.71	3/4	589.41	3/4	233.31	3/4		3/4		3/4		3/4	
9	2,013.07	9	1,653.56	9	1,294.73	9	934.19	9	582.17	9	225.80	9		9		9		9	
1/4	2,005.56	1/4	1,646.10	1/4	1,287.22	1/4	926.68	1/4	574.92	1/4	218.29	1/4		1/4		1/4		1/4	
1/2	1,998.05	1/2	1,638.65	1/2	1,279.71	1/2	919.17	1/2	567.68	1/2	210.78	1/2		1/2		1/2		1/2	
3/4	1,990.54	3/4	1,631.19	3/4	1,272.20	3/4	911.66	3/4	560.44	3/4	203.27	3/4		3/4		3/4		3/4	
10	1,983.02	10	1,623.74	10	1,264.69	10	904.15	10	553.19	10	195.76	10		10		10		10	
1/4	1,975.51	1/4	1,616.29	1/4	1,257.18	1/4	896.64	1/4	545.95	1/4	188.25	1/4		1/4		1/4		1/4	
1/2	1,968.00	1/2	1,608.83	1/2	1,249.66	1/2	889.13	1/2	538.71	1/2	180.73	1/2		1/2		1/2		1/2	
3/4	1,960.49	3/4	1,601.38	3/4	1,242.15	3/4	881.62	3/4	531.46	3/4	173.22	3/4		3/4		3/4		3/4	
11	1,952.98	11	1,593.92	11	1,234.64	11	874.10	11	524.21	11	165.71	11		11		11		11	
1/4	1,945.47	1/4	1,586.47	1/4	1,227.13	1/4	866.59	1/4	516.96	1/4	158.20	1/4		1/4		1/4		1/4	
1/2	1,937.96	1/2	1,579.02	1/2	1,219.62	1/2	859.08	1/2	509.70	1/2	150.69	1/2		1/2		1/2		1/2	
3/4	1,930.45	3/4	1,571.56	3/4	1,212.11	3/4	851.57	3/4	502.45	3/4	143.18	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/16/2013
RECALCULATED: 12/26/2018
VERIFIED: 02/08/2024 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2024

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



BARGE "KIRBY 27009"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	191	0	383	0	574	0	765	0		0		0		0		0	
1/4	4	1/4	195	1/4	386	1/4	578	1/4	769	1/4		1/4		1/4		1/4		1/4	
1/2	8	1/2	199	1/2	390	1/2	582	1/2	773	1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	203	3/4	394	3/4	586	3/4	777	3/4		3/4		3/4		3/4		3/4	
1	16	1	207	1	398	1	590	1	781	1		1		1		1		1	
1/4	20	1/4	211	1/4	402	1/4	594	1/4	785	1/4		1/4		1/4		1/4		1/4	
1/2	24	1/2	215	1/2	406	1/2	598	1/2	789	1/2		1/2		1/2		1/2		1/2	
3/4	28	3/4	219	3/4	410	3/4	602	3/4	793	3/4		3/4		3/4		3/4		3/4	
2	32	2	223	2	414	2	606	2	797	2		2		2		2		2	
1/4	36	1/4	227	1/4	418	1/4	610	1/4	801	1/4		1/4		1/4		1/4		1/4	
1/2	40	1/2	231	1/2	422	1/2	614	1/2	805	1/2		1/2		1/2		1/2		1/2	
3/4	44	3/4	235	3/4	426	3/4	618	3/4	809	3/4		3/4		3/4		3/4		3/4	
3	48	3	239	3	430	3	622	3	813	3		3		3		3		3	
1/4	52	1/4	243	1/4	434	1/4	626	1/4	817	1/4		1/4		1/4		1/4		1/4	
1/2	56	1/2	247	1/2	438	1/2	630	1/2	821	1/2		1/2		1/2		1/2		1/2	
3/4	60	3/4	251	3/4	442	3/4	634	3/4	825	3/4		3/4		3/4		3/4		3/4	
4	64	4	255	4	446	4	638	4	829	4		4		4		4		4	
1/4	68	1/4	259	1/4	450	1/4	641	1/4	833	1/4		1/4		1/4		1/4		1/4	
1/2	72	1/2	263	1/2	454	1/2	645	1/2	837	1/2		1/2		1/2		1/2		1/2	
3/4	76	3/4	267	3/4	458	3/4	649	3/4	841	3/4		3/4		3/4		3/4		3/4	
5	80	5	271	5	462	5	653	5	845	5		5		5		5		5	
1/4	84	1/4	275	1/4	466	1/4	657	1/4	849	1/4		1/4		1/4		1/4		1/4	
1/2	88	1/2	279	1/2	470	1/2	661	1/2	853	1/2		1/2		1/2		1/2		1/2	
3/4	92	3/4	283	3/4	474	3/4	665	3/4	857	3/4		3/4		3/4		3/4		3/4	
6	96	6	287	6	478	6	669	6		6		6		6		6		6	
1/4	100	1/4	291	1/4	482	1/4	673	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	104	1/2	295	1/2	486	1/2	677	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	108	3/4	299	3/4	490	3/4	681	3/4		3/4		3/4		3/4		3/4		3/4	
7	112	7	303	7	494	7	685	7		7		7		7		7		7	
1/4	116	1/4	307	1/4	498	1/4	689	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	120	1/2	311	1/2	502	1/2	693	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	124	3/4	315	3/4	506	3/4	697	3/4		3/4		3/4		3/4		3/4		3/4	
8	128	8	319	8	510	8	701	8		8		8		8		8		8	
1/4	131	1/4	323	1/4	514	1/4	705	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	135	1/2	327	1/2	518	1/2	709	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	139	3/4	331	3/4	522	3/4	713	3/4		3/4		3/4		3/4		3/4		3/4	
9	143	9	335	9	526	9	717	9		9		9		9		9		9	
1/4	147	1/4	339	1/4	530	1/4	721	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	151	1/2	343	1/2	534	1/2	725	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155	3/4	347	3/4	538	3/4	729	3/4		3/4		3/4		3/4		3/4		3/4	
10	159	10	351	10	542	10	733	10		10		10		10		10		10	
1/4	163	1/4	355	1/4	546	1/4	737	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	167	1/2	359	1/2	550	1/2	741	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	171	3/4	363	3/4	554	3/4	745	3/4		3/4		3/4		3/4		3/4		3/4	
11	175	11	367	11	558	11	749	11		11		11		11		11		11	
1/4	179	1/4	371	1/4	562	1/4	753	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	183	1/2	375	1/2	566	1/2	757	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	187	3/4	379	3/4	570	3/4	761	3/4		3/4		3/4		3/4		3/4		3/4	

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

STRAPPED: 02/08/2024 JS
CALCULATED: 02/09/2024 CL
VERIFIED: 02/09/2024 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2024

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 27009"

PORT SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	1,052	0	2,079	0	3,048	0	3,960	0		0		0		0		0	
1/4	22	1/4	1,074	1/4	2,100	1/4	3,068	1/4	3,978	1/4		1/4		1/4		1/4		1/4	
1/2	44	1/2	1,096	1/2	2,120	1/2	3,087	1/2	3,996	1/2		1/2		1/2		1/2		1/2	
3/4	66	3/4	1,118	3/4	2,141	3/4	3,107	3/4	4,015	3/4		3/4		3/4		3/4		3/4	
1	88	1	1,140	1	2,162	1	3,126	1	4,033	1		1		1		1		1	
1/4	110	1/4	1,162	1/4	2,182	1/4	3,146	1/4	4,051	1/4		1/4		1/4		1/4		1/4	
1/2	132	1/2	1,184	1/2	2,203	1/2	3,165	1/2	4,070	1/2		1/2		1/2		1/2		1/2	
3/4	153	3/4	1,206	3/4	2,224	3/4	3,185	3/4	4,088	3/4		3/4		3/4		3/4		3/4	
2	175	2	1,227	2	2,244	2	3,204	2	4,106	2		2		2		2		2	
1/4	197	1/4	1,249	1/4	2,265	1/4	3,223	1/4	4,124	1/4		1/4		1/4		1/4		1/4	
1/2	219	1/2	1,271	1/2	2,285	1/2	3,243	1/2	4,142	1/2		1/2		1/2		1/2		1/2	
3/4	241	3/4	1,293	3/4	2,306	3/4	3,262	3/4	4,161	3/4		3/4		3/4		3/4		3/4	
3	263	3	1,314	3	2,327	3	3,281	3	4,179	3		3		3		3		3	
1/4	285	1/4	1,336	1/4	2,347	1/4	3,301	1/4	4,197	1/4		1/4		1/4		1/4		1/4	
1/2	307	1/2	1,358	1/2	2,367	1/2	3,320	1/2	4,215	1/2		1/2		1/2		1/2		1/2	
3/4	329	3/4	1,379	3/4	2,388	3/4	3,339	3/4	4,233	3/4		3/4		3/4		3/4		3/4	
4	351	4	1,401	4	2,408	4	3,358	4	4,251	4		4		4		4		4	
1/4	373	1/4	1,422	1/4	2,429	1/4	3,377	1/4	4,269	1/4		1/4		1/4		1/4		1/4	
1/2	395	1/2	1,444	1/2	2,449	1/2	3,397	1/2	4,287	1/2		1/2		1/2		1/2		1/2	
3/4	417	3/4	1,465	3/4	2,469	3/4	3,416	3/4	4,305	3/4		3/4		3/4		3/4		3/4	
5	438	5	1,487	5	2,490	5	3,435	5	4,323	5		5		5		5		5	
1/4	460	1/4	1,508	1/4	2,510	1/4	3,454	1/4	4,341	1/4		1/4		1/4		1/4		1/4	
1/2	482	1/2	1,530	1/2	2,530	1/2	3,473	1/2	4,358	1/2		1/2		1/2		1/2		1/2	
3/4	504	3/4	1,551	3/4	2,550	3/4	3,492	3/4		3/4		3/4		3/4		3/4		3/4	
6	526	6	1,573	6	2,571	6	3,511	6		6		6		6		6		6	
1/4	548	1/4	1,594	1/4	2,591	1/4	3,530	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	570	1/2	1,615	1/2	2,611	1/2	3,549	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	592	3/4	1,637	3/4	2,631	3/4	3,568	3/4		3/4		3/4		3/4		3/4		3/4	
7	614	7	1,658	7	2,651	7	3,587	7		7		7		7		7		7	
1/4	636	1/4	1,679	1/4	2,671	1/4	3,606	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	658	1/2	1,700	1/2	2,691	1/2	3,624	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	680	3/4	1,722	3/4	2,711	3/4	3,643	3/4		3/4		3/4		3/4		3/4		3/4	
8	702	8	1,743	8	2,731	8	3,662	8		8		8		8		8		8	
1/4	724	1/4	1,764	1/4	2,751	1/4	3,681	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	745	1/2	1,785	1/2	2,771	1/2	3,700	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	767	3/4	1,806	3/4	2,791	3/4	3,718	3/4		3/4		3/4		3/4		3/4		3/4	
9	789	9	1,828	9	2,811	9	3,737	9		9		9		9		9		9	
1/4	811	1/4	1,849	1/4	2,831	1/4	3,756	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	833	1/2	1,870	1/2	2,851	1/2	3,774	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	855	3/4	1,891	3/4	2,871	3/4	3,793	3/4		3/4		3/4		3/4		3/4		3/4	
10	877	10	1,912	10	2,890	10	3,812	10		10		10		10		10		10	
1/4	899	1/4	1,933	1/4	2,910	1/4	3,830	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	921	1/2	1,954	1/2	2,930	1/2	3,849	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	943	3/4	1,975	3/4	2,950	3/4	3,867	3/4		3/4		3/4		3/4		3/4		3/4	
11	965	11	1,995	11	2,969	11	3,886	11		11		11		11		11		11	
1/4	987	1/4	2,016	1/4	2,989	1/4	3,904	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,009	1/2	2,037	1/2	3,009	1/2	3,923	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,030	3/4	2,058	3/4	3,028	3/4	3,941	3/4		3/4		3/4		3/4		3/4		3/4	

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

STRAPPED: 02/08/2024 JS
 CALCULATED: 02/09/2024 CL
 VERIFIED: 02/09/2024 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 02/2024

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 27009"

STBD SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	1,052	0	2,079	0	3,048	0	3,960	0		0		0		0		0	
1/4	22	1/4	1,074	1/4	2,100	1/4	3,068	1/4	3,978	1/4		1/4		1/4		1/4		1/4	
1/2	44	1/2	1,096	1/2	2,120	1/2	3,087	1/2	3,996	1/2		1/2		1/2		1/2		1/2	
3/4	66	3/4	1,118	3/4	2,141	3/4	3,107	3/4	4,015	3/4		3/4		3/4		3/4		3/4	
1	88	1	1,140	1	2,162	1	3,126	1	4,033	1		1		1		1		1	
1/4	110	1/4	1,162	1/4	2,182	1/4	3,146	1/4	4,051	1/4		1/4		1/4		1/4		1/4	
1/2	132	1/2	1,184	1/2	2,203	1/2	3,165	1/2	4,070	1/2		1/2		1/2		1/2		1/2	
3/4	153	3/4	1,206	3/4	2,224	3/4	3,185	3/4	4,088	3/4		3/4		3/4		3/4		3/4	
2	175	2	1,227	2	2,244	2	3,204	2	4,106	2		2		2		2		2	
1/4	197	1/4	1,249	1/4	2,265	1/4	3,223	1/4	4,124	1/4		1/4		1/4		1/4		1/4	
1/2	219	1/2	1,271	1/2	2,285	1/2	3,243	1/2	4,142	1/2		1/2		1/2		1/2		1/2	
3/4	241	3/4	1,293	3/4	2,306	3/4	3,262	3/4	4,161	3/4		3/4		3/4		3/4		3/4	
3	263	3	1,314	3	2,327	3	3,281	3	4,179	3		3		3		3		3	
1/4	285	1/4	1,336	1/4	2,347	1/4	3,301	1/4	4,197	1/4		1/4		1/4		1/4		1/4	
1/2	307	1/2	1,358	1/2	2,367	1/2	3,320	1/2	4,215	1/2		1/2		1/2		1/2		1/2	
3/4	329	3/4	1,379	3/4	2,388	3/4	3,339	3/4	4,233	3/4		3/4		3/4		3/4		3/4	
4	351	4	1,401	4	2,408	4	3,358	4	4,251	4		4		4		4		4	
1/4	373	1/4	1,422	1/4	2,429	1/4	3,377	1/4	4,269	1/4		1/4		1/4		1/4		1/4	
1/2	395	1/2	1,444	1/2	2,449	1/2	3,397	1/2	4,287	1/2		1/2		1/2		1/2		1/2	
3/4	417	3/4	1,465	3/4	2,469	3/4	3,416	3/4	4,305	3/4		3/4		3/4		3/4		3/4	
5	438	5	1,487	5	2,490	5	3,435	5	4,323	5		5		5		5		5	
1/4	460	1/4	1,508	1/4	2,510	1/4	3,454	1/4	4,341	1/4		1/4		1/4		1/4		1/4	
1/2	482	1/2	1,530	1/2	2,530	1/2	3,473	1/2	4,358	1/2		1/2		1/2		1/2		1/2	
3/4	504	3/4	1,551	3/4	2,550	3/4	3,492	3/4		3/4		3/4		3/4		3/4		3/4	
6	526	6	1,573	6	2,571	6	3,511	6		6		6		6		6		6	
1/4	548	1/4	1,594	1/4	2,591	1/4	3,530	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	570	1/2	1,615	1/2	2,611	1/2	3,549	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	592	3/4	1,637	3/4	2,631	3/4	3,568	3/4		3/4		3/4		3/4		3/4		3/4	
7	614	7	1,658	7	2,651	7	3,587	7		7		7		7		7		7	
1/4	636	1/4	1,679	1/4	2,671	1/4	3,606	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	658	1/2	1,700	1/2	2,691	1/2	3,624	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	680	3/4	1,722	3/4	2,711	3/4	3,643	3/4		3/4		3/4		3/4		3/4		3/4	
8	702	8	1,743	8	2,731	8	3,662	8		8		8		8		8		8	
1/4	724	1/4	1,764	1/4	2,751	1/4	3,681	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	745	1/2	1,785	1/2	2,771	1/2	3,700	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	767	3/4	1,806	3/4	2,791	3/4	3,718	3/4		3/4		3/4		3/4		3/4		3/4	
9	789	9	1,828	9	2,811	9	3,737	9		9		9		9		9		9	
1/4	811	1/4	1,849	1/4	2,831	1/4	3,756	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	833	1/2	1,870	1/2	2,851	1/2	3,774	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	855	3/4	1,891	3/4	2,871	3/4	3,793	3/4		3/4		3/4		3/4		3/4		3/4	
10	877	10	1,912	10	2,890	10	3,812	10		10		10		10		10		10	
1/4	899	1/4	1,933	1/4	2,910	1/4	3,830	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	921	1/2	1,954	1/2	2,930	1/2	3,849	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	943	3/4	1,975	3/4	2,950	3/4	3,867	3/4		3/4		3/4		3/4		3/4		3/4	
11	965	11	1,995	11	2,969	11	3,886	11		11		11		11		11		11	
1/4	987	1/4	2,016	1/4	2,989	1/4	3,904	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,009	1/2	2,037	1/2	3,009	1/2	3,923	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,030	3/4	2,058	3/4	3,028	3/4	3,941	3/4		3/4		3/4		3/4		3/4		3/4	

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

STRAPPED: 02/08/2024 JS
 CALCULATED: 02/09/2024 CL
 VERIFIED: 02/09/2024 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 02/2024

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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