BARGE "KIRBY 10201"

ULLAGE TRIM TABLE

FORMERLY "HFL 202S"

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	**STERN**	**BOW**	**STERN**	**BOW**	**STERN**	**BOW**	**STERN**	**BOW**	**STERN**	**BOW**	**STERN**
1 CENTER	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
2 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4
3 CENTER	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	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 CENTER IS 00-1/8"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 160'-06"

December 11, 2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588

http://www.pmacorp.net

BARGE "KIRBY 10201"

1 CENTER

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HFL 202S"

GAUGE HEIGHT 15'-07 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	3,426.98	0	3,219.35	0	3,005.50	0	2,791.65	0	2,578.05	0	2,332.16	0	2,085.57	0	1,838.99	0	1,592.73
1/4		1/4	3,426.12	1/4	3,214.89	1/4	3,001.05	1/4	2,787.20	1/4	2,573.61	1/4	2,327.02	1/4	2,080.43	1/4	1,833.86	1/4	1,587.60
1/2		1/2	3,423.55	1/2	3,210.44	1/2	2,996.59	1/2	2,782.74	1/2	2,568.47	1/2	2,321.88	1/2	2,075.29	1/2	1,828.73	1/2	1,582.46
3/4		3/4	3,420.97	3/4	3,205.98	3/4	2,992.13	3/4	2,778.29	3/4	2,563.34	3/4	2,316.74	3/4	2,070.15	3/4	1,823.60	3/4	1,577.33
1		1	3,418.40	1	3,201.53	1	2,987.68	1	2,773.83	1	2,558.20	1	2,311.61	1	2,065.02	1	1,818.47	1	1,572.19
1/4		1/4	3,415.82	1/4	3,197.07	1/4	2,983.22	1/4	2,769.37	1/4	2,553.06	1/4	2,306.47	1/4	2,059.88	1/4	1,813.34	1/4	1,567.06
1/2		1/2	3,411.53	1/2	3,192.62	1/2	2,978.77	1/2	2,764.92	1/2	2,547.92	1/2	2,301.33	1/2	2,054.74	1/2	1,808.21	1/2	1,561.92
3/4		3/4	3,407.24	3/4	3,188.16	3/4	2,974.31	3/4	2,760.46	3/4	2,542.79	3/4	2,296.20	3/4	2,049.61	3/4	1,803.08	3/4	1,556.79
2		2	3,402.95	2	3,183.71	2	2,969.86	2	2,756.01	2	2,537.65	2	2,291.06	2	2,044.47	2	1,797.95	2	1,551.65
1/4		1/4	3,398.65	1/4	3,179.25	1/4	2,965.40	1/4	2,751.55	1/4	2,532.51	1/4	2,285.92	1/4	2,039.33	1/4	1,792.82	1/4	1,546.52
1/2		1/2	3,393.51	1/2	3,174.80	1/2	2,960.95	1/2	2,747.10	1/2	2,527.37	1/2	2,280.78	1/2	2,034.19	1/2	1,787.69	1/2	1,541.38
3/4		3/4	3,388.36	3/4	3,170.34	3/4	2,956.49	3/4	2,742.64	3/4	2,522.24	3/4	2,275.65	3/4	2,029.06	3/4	1,782.56	3/4	1,536.25
3		3	3,383.21	3	3,165.89	3	2,952.04	3	2,738.19	3	2,517.10	3	2,270.51	3	2,023.92	3	1,777.43	3	1,531.11
1/4		1/4	3,378.06	1/4	3,161.43	1/4	2,947.58	1/4	2,733.73	1/4	2,511.96	1/4	2,265.37	1/4	2,018.78	1/4	1,772.30	1/4	1,525.98
1/2		1/2	3,372.91	1/2	3,156.98	1/2	2,943.13	1/2	2,729.28	1/2	2,506.82	1/2	2,260.23	1/2	2,013.64	1/2	1,767.18	1/2	1,520.84
3/4		3/4	3,367.76	3/4	3,152.52	3/4	2,938.67	3/4	2,724.82	3/4	2,501.69	3/4	2,255.10	3/4	2,008.51	3/4	1,762.05	3/4	1,515.71
4		4	3,362.61	4	3,148.07	4	2,934.22	4	2,720.37	4	2,496.55	4	2,249.96	4	2,003.37	4	1,756.92	4	1,510.57
1/4		1/4	3,357.46	1/4	3,143.61	1/4	2,929.76	1/4	2,715.91	1/4	2,491.41	1/4	2,244.82	1/4	1,998.23	1/4	1,751.79	1/4	1,505.44
1/2		1/2	3,353.01	1/2	3,139.16	1/2	2,925.31	1/2	2,711.46	1/2	2,486.28	1/2	2,239.69	1/2	1,993.09	1/2	1,746.66	1/2	1,500.30
3/4		3/4	3,348.55	3/4	3,134.70	3/4	2,920.85	3/4	2,707.00	3/4	2,481.14	3/4	2,234.55	3/4	1,987.96	3/4	1,741.53	3/4	1,495.17
5		5	3,344.10	5	3,130.25	5	2,916.40	5	2,702.55	5	2,476.00	5	2,229.41	5	1,982.82	5	1,736.40	5	1,490.03
1/4		1/4	3,339.64	1/4	3,125.79	1/4	2,911.94	1/4	2,698.09	1/4	2,470.86	1/4	2,224.27	1/4	1,977.68	1/4	1,731.27	1/4	1,484.90
1/2		1/2	3,335.19	1/2	3,121.34	1/2	2,907.49	1/2	2,693.64	1/2	2,465.73	1/2	2,219.14	1/2	1,972.55	1/2	1,726.14	1/2	1,479.76
3/4		3/4	3,330.73	3/4	3,116.88	3/4	2,903.03	3/4	2,689.18	3/4	2,460.59	3/4	2,214.00	3/4	1,967.41	3/4	1,721.01	3/4	1,474.63
6		6	3,326.27	6	3,112.43	6	2,898.58	6	2,684.73	6	2,455.45	6	2,208.86	6	1,962.27	6	1,715.88	6	1,469.49
1/4		1/4	3,321.82	1/4	3,107.97	1/4	2,894.12	1/4	2,680.27	1/4	2,450.31	1/4	2,203.72	1/4	1,957.13	1/4	1,710.75	1/4	1,464.36
1/2		1/2	3,317.36	1/2	3,103.51	1/2	2,889.67	1/2	2,675.82	1/2	2,445.18	1/2	2,198.59	1/2	1,952.00	1/2	1,705.62	1/2	1,459.22
3/4		3/4	3,312.91	3/4	3,099.06	3/4	2,885.21	3/4	2,671.36	3/4	2,440.04	3/4	2,193.45	3/4	1,946.86	3/4	1,700.49	3/4	1,454.09
7		7	3,308.45	7	3,094.60	7	2,880.75	7	2,666.91	7	2,434.90	7	2,188.31	7	1,941.72	7	1,695.36	7	1,448.95
1/4		1/4	3,304.00	1/4	3,090.15	1/4	2,876.30	1/4	2,662.45	1/4	2,429.77	1/4	2,183.18	1/4	1,936.58	1/4	1,690.23	1/4	1,443.82
1/2		1/2	3,299.54	1/2	3,085.69	1/2	2,871.84	1/2	2,658.01	1/2	2,424.63	1/2	2,178.04	1/2	1,931.45	1/2	1,685.10	1/2	1,438.68
3/4		3/4	3,295.09	3/4	3,081.24	3/4	2,867.39	3/4	2,653.57	3/4	2,419.49	3/4	2,172.90	3/4	1,926.31	3/4	1,679.98	3/4	1,433.55
8		8	3,290.63	8	3,076.78	8	2,862.93	8	2,649.12	8	2,414.35	8	2,167.76	8	1,921.17	8	1,674.85	8	1,428.41
1/4		1/4	3,286.18	1/4	3,072.33	1/4	2,858.48	1/4	2,644.68	1/4	2,409.22	1/4	2,162.63	1/4	1,916.04	1/4	1,669.72	1/4	1,423.28
1/2		1/2	3,281.72	1/2	3,067.87	1/2	2,854.02	1/2	2,640.24	1/2	2,404.08	1/2	2,157.49	1/2	1,910.90	1/2	1,664.59	1/2	1,418.14
3/4		3/4	3,277.27	3/4	3,063.42	3/4	2,849.57	3/4	2,635.80	3/4	2,398.94	3/4	2,152.35	3/4	1,905.76	3/4	1,659.46	3/4	1,413.01
9		9	3,272.81	9	3,058.96	9	2,845.11	9	2,631.36	9	2,393.80	9	2,147.21	9	1,900.62	9	1,654.33	9	1,407.87
1/4		1/4	3,268.36	1/4	3,054.51	1/4	2,840.66	1/4	2,626.91	1/4	2,388.67	1/4	2,142.08	1/4	1,895.49	1/4	1,649.20	1/4	1,402.74
1/2		1/2	3,263.90	1/2	3,050.05	1/2	2,836.20	1/2	2,622.47	1/2	2,383.53	1/2	2,136.94	1/2	1,890.35	1/2	1,644.07	1/2	1,397.60
3/4		3/4	3,259.45	3/4	3,045.60	3/4	2,831.75	3/4	2,618.03	3/4	2,378.39	3/4	2,131.80	3/4	1,885.21	3/4	1,638.94	3/4	1,392.47
10		10	3,254.99	10	3,041.14	10	2,827.29	10	2,613.59	10	2,373.26	10	2,126.66	10	1,880.07	10	1,633.81	10	1,387.33
1/4		1/4	3,250.54	1/4	3,036.69	1/4	2,822.84	1/4	2,609.15	1/4	2,368.12	1/4	2,121.53	1/4	1,874.94	1/4	1,628.68	1/4	1,382.20
1/2		1/2	3,246.08	1/2	3,032.23	1/2	2,818.38	1/2	2,604.70	1/2	2,362.98	1/2	2,116.39	1/2	1,869.80	1/2	1,623.54	1/2	1,377.06
3/4		3/4	3,241.63	3/4	3,027.78	3/4	2,813.93	3/4	2,600.26	3/4	2,357.84	3/4	2,111.25	3/4	1,864.66	3/4	1,618.41	3/4	1,371.93
11		11	3,237.17	11	3,023.32	11	2,809.47	11	2,595.82	11	2,352.71	11	2,106.12	11	1,859.53	11	1,613.27	11	1,366.79
1/4	3,429.56	1/4	3,232.72	1/4	3,018.87	1/4	2,805.02	1/4	2,591.38	1/4	2,347.57	1/4	2,100.98	1/4	1,854.39	1/4	1,608.14	1/4	1,361.66
1/2	3,428.70	1/2	3,228.26	1/2	3,014.41	1/2	2,800.56	1/2	2,586.94	1/2	2,342.43	1/2	2,095.84	1/2	1,849.26	1/2	1,603.00	1/2	1,356.52
3/4	3,427.84	3/4	3,223.81	3/4	3,009.96	3/4	2,796.11	3/4	2,582.49	3/4	2,337.29	3/4	2,090.70	3/4	1,844.12	3/4	1,597.87	3/4	1,351.39

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 TO THE THREADS ON "MMC" STANDPIPE.
GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 26'-00" FORWARD OF AFT BULKHEAD.

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

BARGE "KIRBY 10201"

1 CENTER

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HFL 202S"

GAUGE HEIGHT 15'-07 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	1,346.25	0	1,099.77	0	853.29	0	606.46	0	366.20	0	119.04	0		0		0		0	
1/4	1,341.12	1/4	1,094.64	1/4	848.16	1/4	601.31	1/4	361.07	1/4	113.89	1/4		1/4		1/4		1/4	
1/2	1,335.98	1/2	1,089.50	1/2	843.02	1/2	596.31	1/2	355.92	1/2	108.74	1/2		1/2		1/2		1/2	
3/4	1,330.85	3/4	1,084.37	3/4	837.89	3/4	591.32	3/4	350.78	3/4	103.59	3/4		3/4		3/4		3/4	
1	1,325.71	1	1,079.23	1	832.75	1	586.32	1	345.63	1	98.44	1		1		1		1	
1/4	1,320.58	1/4	1,074.10	1/4	827.62	1/4	581.33	1/4	340.49	1/4	93.29	1/4		1/4		1/4		1/4	
1/2	1,315.44	1/2	1,068.96	1/2	822.48	1/2	576.35	1/2	335.34	1/2	88.14	1/2		1/2		1/2		1/2	
3/4	1,310.31	3/4	1,063.83	3/4	817.35	3/4	571.38	3/4	330.19	3/4	82.99	3/4		3/4		3/4		3/4	
2	1,305.17	2	1,058.69	2	812.21	2	566.41	2	325.04	2	77.84	2		2		2		2	
1/4	1,300.04	1/4	1,053.56	1/4	807.08	1/4	561.44	1/4	319.89	1/4	72.69	1/4		1/4		1/4		1/4	
1/2	1,294.90	1/2	1,048.42	1/2	801.94	1/2	556.46	1/2	314.74	1/2	67.56	1/2		1/2		1/2		1/2	
3/4	1,289.77	3/4	1,043.29	3/4	796.81	3/4	551.49	3/4	309.59	3/4	62.42	3/4		3/4		3/4		3/4	
3	1,284.63	3	1,038.15	3	791.67	3	546.52	3	304.44	3	57.28	3		3		3		3	
1/4	1,279.50	1/4	1,033.02	1/4	786.54	1/4	541.55	1/4	299.29	1/4	52.15	1/4		1/4		1/4		1/4	
1/2	1,274.36	1/2	1,027.88	1/2	781.40	1/2	536.57	1/2	294.14	1/2	46.85	1/2		1/2		1/2		1/2	
3/4	1,269.23	3/4	1,022.75	3/4	776.27	3/4	531.60	3/4	288.99	3/4	41.56	3/4		3/4		3/4		3/4	
4	1,264.09	4	1,017.61	4	771.13	4	526.63	4	283.84	4	36.64	4		4		4		4	
1/4	1,258.96	1/4	1,012.48	1/4	766.00	1/4	521.66	1/4	278.69	1/4	31.72	1/4		1/4		1/4		1/4	
1/2	1,253.82	1/2	1,007.34	1/2	760.85	1/2	516.69	1/2	273.54	1/2	27.43	1/2		1/2		1/2		1/2	
3/4	1,248.69	3/4	1,002.21	3/4	755.71	3/4	511.71	3/4	268.39	3/4	23.14	3/4		3/4		3/4		3/4	
5	1,243.55	5	997.07	5	750.56	5	506.74	5	263.24	5	18.85	5		5		5		5	
1/4	1,238.42	1/4	991.94	1/4	745.41	1/4	501.77	1/4	258.09	1/4	14.56	1/4		1/4		1/4		1/4	
1/2	1,233.28	1/2	986.80	1/2	740.27	1/2	496.80	1/2	252.93	1/2	11.99	1/2		1/2		1/2		1/2	
3/4	1,228.15	3/4	981.67	3/4	735.12	3/4	491.82	3/4	247.78	3/4	9.41	3/4		3/4		3/4		3/4	
6	1,223.01	6	976.53	6	729.97	6	486.85	6	242.63	6	6.84	6		6		6		6	
1/4	1,217.88	1/4	971.40	1/4	724.83	1/4	481.88	1/4	237.48	1/4	4.26	1/4		1/4		1/4		1/4	
1/2	1,212.74	1/2	966.26	1/2	719.68	1/2	476.91	1/2	232.33	1/2	3.41	1/2		1/2		1/2		1/2	
3/4	1,207.61	3/4	961.13	3/4	714.53	3/4	471.93	3/4	227.18	3/4	2.55	3/4		3/4		3/4		3/4	
7	1,202.47	7	955.99	7	709.39	7	466.96	7	222.03	7	1.69	7		7		7		7	
1/4	1,197.34	1/4	950.86	1/4	704.24	1/4	461.99	1/4	216.88	1/4	0.83	1/4		1/4		1/4		1/4	
1/2	1,192.20	1/2	945.72	1/2	699.09	1/2	457.02	1/2	211.73	1/2		1/2		1/2		1/2		1/2	
3/4	1,187.07	3/4	940.59	3/4	693.95	3/4	452.04	3/4	206.58	3/4		3/4		3/4		3/4		3/4	
8	1,181.93	8	935.45	8	688.80	8	447.07	8	201.43	8		8		8		8		8	
1/4	1,176.80	1/4	930.32	1/4	683.65	1/4	442.10	1/4	196.29	1/4		1/4		1/4		1/4		1/4	
1/2	1,171.66	1/2	925.18	1/2	678.51	1/2	437.13	1/2	191.14	1/2		1/2		1/2		1/2		1/2	
3/4	1,166.53	3/4	920.05	3/4	673.36	3/4	432.15	3/4	185.99	3/4		3/4		3/4		3/4		3/4	
9	1,161.39	9	914.91	9	668.22	9	427.18	9	180.84	9		9		9		9		9	
1/4	1,156.26	1/4	909.78	1/4	663.07	1/4	422.21	1/4	175.69	1/4		1/4		1/4		1/4		1/4	
1/2	1,151.12	1/2	904.64	1/2	657.92	1/2	417.21	1/2	170.54	1/2		1/2		1/2		1/2		1/2	
3/4	1,145.99	3/4	899.51	3/4	652.78	3/4	412.21	3/4	165.39	3/4		3/4		3/4		3/4		3/4	
10	1,140.85	10	894.37	10	647.63	10	407.22	10	160.24	10		10		10		10		10	
1/4	1,135.72	1/4	889.24	1/4	642.48	1/4	402.22	1/4	155.09	1/4		1/4		1/4		1/4		1/4	
1/2	1,130.58	1/2	884.10	1/2	637.34	1/2	397.07	1/2	149.94	1/2		1/2		1/2		1/2		1/2	
3/4	1,125.45	3/4	878.97	3/4	632.19	3/4	391.92	3/4	144.79	3/4		3/4		3/4		3/4		3/4	
11	1,120.31	11	873.83	11	627.04	11	386.77	11	139.64	11		11		11		11		11	
1/4	1,115.18	1/4	868.70	1/4	621.90	1/4	381.62	1/4	134.49	1/4		1/4		1/4		1/4		1/4	
1/2	1,110.04	1/2	863.56	1/2	616.75	1/2	376.48	1/2	129.34	1/2		1/2		1/2		1/2		1/2	
3/4	1,104.91	3/4	858.43	3/4	611.60	3/4	371.34	3/4	124.19	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/02/2008 CL - SW
CALCULATED: 09/03/2008 CL
VERIFIED: 12/11/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

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

BARGE "KIRBY 10201"

2 CENTER

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HFL 202S"

GAUGE HEIGHT 15'-06 3/4"

N	0 FT.	N	1 FT.	N	2 FT.	N	3 FT.	N	4 FT.	N	5 FT.	N	6 FT.	N	7 FT.	N	8 FT.	N	9 FT.
0		0	3,967.35	0	3,703.71	0	3,427.59	0	3,151.46	0	2,875.34	0	2,599.21	0	2,323.09	0	2,046.96	0	1,770.84
1/4		1/4	3,964.47	1/4	3,697.96	1/4	3,421.83	1/4	3,145.71	1/4	2,869.58	1/4	2,593.46	1/4	2,317.33	1/4	2,041.21	1/4	1,765.08
1/2		1/2	3,961.59	1/2	3,692.21	1/2	3,416.08	1/2	3,139.96	1/2	2,863.83	1/2	2,587.71	1/2	2,311.58	1/2	2,035.46	1/2	1,759.33
3/4		3/4	3,958.72	3/4	3,686.45	3/4	3,410.33	3/4	3,134.20	3/4	2,858.08	3/4	2,581.95	3/4	2,305.83	3/4	2,029.70	3/4	1,753.58
1		1	3,953.93	1	3,680.70	1	3,404.58	1	3,128.45	1	2,852.33	1	2,576.20	1	2,300.08	1	2,023.95	1	1,747.83
1/4		1/4	3,949.14	1/4	3,674.95	1/4	3,398.82	1/4	3,122.70	1/4	2,846.57	1/4	2,570.45	1/4	2,294.32	1/4	2,018.20	1/4	1,742.07
1/2		1/2	3,944.36	1/2	3,669.20	1/2	3,393.07	1/2	3,116.95	1/2	2,840.82	1/2	2,564.70	1/2	2,288.57	1/2	2,012.45	1/2	1,736.32
3/4		3/4	3,939.57	3/4	3,663.44	3/4	3,387.32	3/4	3,111.19	3/4	2,835.07	3/4	2,558.94	3/4	2,282.82	3/4	2,006.69	3/4	1,730.57
2		2	3,933.81	2	3,657.69	2	3,381.57	2	3,105.44	2	2,829.32	2	2,553.19	2	2,277.07	2	2,000.94	2	1,724.82
1/4		1/4	3,928.06	1/4	3,651.94	1/4	3,375.81	1/4	3,099.69	1/4	2,823.56	1/4	2,547.44	1/4	2,271.31	1/4	1,995.19	1/4	1,719.06
1/2		1/2	3,922.31	1/2	3,646.18	1/2	3,370.06	1/2	3,093.94	1/2	2,817.81	1/2	2,541.69	1/2	2,265.56	1/2	1,989.44	1/2	1,713.31
3/4		3/4	3,916.56	3/4	3,640.43	3/4	3,364.31	3/4	3,088.18	3/4	2,812.06	3/4	2,535.93	3/4	2,259.81	3/4	1,983.68	3/4	1,707.56
3		3	3,910.80	3	3,634.68	3	3,358.55	3	3,082.43	3	2,806.31	3	2,530.18	3	2,254.06	3	1,977.93	3	1,701.81
1/4		1/4	3,905.05	1/4	3,628.93	1/4	3,352.80	1/4	3,076.68	1/4	2,800.55	1/4	2,524.43	1/4	2,248.30	1/4	1,972.18	1/4	1,696.05
1/2		1/2	3,899.30	1/2	3,623.17	1/2	3,347.05	1/2	3,070.92	1/2	2,794.80	1/2	2,518.68	1/2	2,242.55	1/2	1,966.43	1/2	1,690.30
3/4		3/4	3,893.55	3/4	3,617.42	3/4	3,341.30	3/4	3,065.17	3/4	2,789.05	3/4	2,512.92	3/4	2,236.80	3/4	1,960.67	3/4	1,684.55
4		4	3,887.79	4	3,611.67	4	3,335.54	4	3,059.42	4	2,783.29	4	2,507.17	4	2,231.05	4	1,954.92	4	1,678.80
1/4		1/4	3,882.04	1/4	3,605.92	1/4	3,329.79	1/4	3,053.67	1/4	2,777.54	1/4	2,501.42	1/4	2,225.29	1/4	1,949.17	1/4	1,673.04
1/2		1/2	3,876.29	1/2	3,600.16	1/2	3,324.04	1/2	3,047.91	1/2	2,771.79	1/2	2,495.66	1/2	2,219.54	1/2	1,943.42	1/2	1,667.29
3/4		3/4	3,870.54	3/4	3,594.41	3/4	3,318.29	3/4	3,042.16	3/4	2,766.04	3/4	2,489.91	3/4	2,213.79	3/4	1,937.66	3/4	1,661.54
5		5	3,864.78	5	3,588.66	5	3,312.53	5	3,036.41	5	2,760.28	5	2,484.16	5	2,208.03	5	1,931.91	5	1,655.79
1/4		1/4	3,859.03	1/4	3,582.91	1/4	3,306.78	1/4	3,030.66	1/4	2,754.53	1/4	2,478.41	1/4	2,202.28	1/4	1,926.16	1/4	1,650.03
1/2		1/2	3,853.28	1/2	3,577.15	1/2	3,301.03	1/2	3,024.90	1/2	2,748.78	1/2	2,472.65	1/2	2,196.53	1/2	1,920.40	1/2	1,644.28
3/4		3/4	3,847.53	3/4	3,571.40	3/4	3,295.28	3/4	3,019.15	3/4	2,743.03	3/4	2,466.90	3/4	2,190.78	3/4	1,914.65	3/4	1,638.53
6		6	3,841.77	6	3,565.65	6	3,289.52	6	3,013.40	6	2,737.27	6	2,461.15	6	2,185.02	6	1,908.90	6	1,632.77
1/4		1/4	3,836.02	1/4	3,559.90	1/4	3,283.77	1/4	3,007.65	1/4	2,731.52	1/4	2,455.40	1/4	2,179.27	1/4	1,903.15	1/4	1,627.02
1/2		1/2	3,830.27	1/2	3,554.14	1/2	3,278.02	1/2	3,001.89	1/2	2,725.77	1/2	2,449.64	1/2	2,173.52	1/2	1,897.39	1/2	1,621.27
3/4		3/4	3,824.52	3/4	3,548.39	3/4	3,272.27	3/4	2,996.14	3/4	2,720.02	3/4	2,443.89	3/4	2,167.77	3/4	1,891.64	3/4	1,615.52
7		7	3,818.76	7	3,542.64	7	3,266.51	7	2,990.39	7	2,714.26	7	2,438.14	7	2,162.01	7	1,885.89	7	1,609.76
1/4		1/4	3,813.01	1/4	3,536.89	1/4	3,260.76	1/4	2,984.64	1/4	2,708.51	1/4	2,432.39	1/4	2,156.26	1/4	1,880.14	1/4	1,604.01
1/2		1/2	3,807.26	1/2	3,531.13	1/2	3,255.01	1/2	2,978.88	1/2	2,702.76	1/2	2,426.63	1/2	2,150.51	1/2	1,874.38	1/2	1,598.26
3/4		3/4	3,801.51	3/4	3,525.38	3/4	3,249.26	3/4	2,973.13	3/4	2,697.01	3/4	2,420.88	3/4	2,144.76	3/4	1,868.63	3/4	1,592.51
8		8	3,795.75	8	3,519.63	8	3,243.50	8	2,967.38	8	2,691.25	8	2,415.13	8	2,139.00	8	1,862.88	8	1,586.75
1/4		1/4	3,790.00	1/4	3,513.88	1/4	3,237.75	1/4	2,961.63	1/4	2,685.50	1/4	2,409.38	1/4	2,133.25	1/4	1,857.13	1/4	1,581.00
1/2		1/2	3,784.25	1/2	3,508.12	1/2	3,232.00	1/2	2,955.87	1/2	2,679.75	1/2	2,403.62	1/2	2,127.50	1/2	1,851.37	1/2	1,575.25
3/4		3/4	3,778.49	3/4	3,502.37	3/4	3,226.25	3/4	2,950.12	3/4	2,674.00	3/4	2,397.87	3/4	2,121.75	3/4	1,845.62	3/4	1,569.50
9		9	3,772.74	9	3,496.62	9	3,220.49	9	2,944.37	9	2,668.24	9	2,392.12	9	2,115.99	9	1,839.87	9	1,563.74
1/4		1/4	3,766.99	1/4	3,490.86	1/4	3,214.74	1/4	2,938.62	1/4	2,662.49	1/4	2,386.37	1/4	2,110.24	1/4	1,834.12	1/4	1,557.99
1/2		1/2	3,761.24	1/2	3,485.11	1/2	3,208.99	1/2	2,932.86	1/2	2,656.74	1/2	2,380.61	1/2	2,104.49	1/2	1,828.36	1/2	1,552.24
3/4		3/4	3,755.48	3/4	3,479.36	3/4	3,203.23	3/4	2,927.11	3/4	2,650.99	3/4	2,374.86	3/4	2,098.74	3/4	1,822.61	3/4	1,546.49
10		10	3,749.73	10	3,473.61	10	3,197.48	10	2,921.36	10	2,645.23	10	2,369.11	10	2,092.98	10	1,816.86	10	1,540.73
1/4		1/4	3,743.98	1/4	3,467.85	1/4	3,191.73	1/4	2,915.60	1/4	2,639.48	1/4	2,363.36	1/4	2,087.23	1/4	1,811.11	1/4	1,534.98
1/2		1/2	3,738.23	1/2	3,462.10	1/2	3,185.98	1/2	2,909.85	1/2	2,633.73	1/2	2,357.60	1/2	2,081.48	1/2	1,805.35	1/2	1,529.23
3/4	3,974.06	3/4	3,732.47	3/4	3,456.35	3/4	3,180.22	3/4	2,904.10	3/4	2,627.97	3/4	2,351.85	3/4	2,075.73	3/4	1,799.60	3/4	1,523.48
11	3,973.10	11	3,726.72	11	3,450.60	11	3,174.47	11	2,898.35	11	2,622.22	11	2,346.10	11	2,069.97	11	1,793.85	11	1,517.72
1/4	3,972.14	1/4	3,720.97	1/4	3,444.84	1/4	3,168.72	1/4	2,892.59	1/4	2,616.47	1/4	2,340.34	1/4	2,064.22	1/4	1,788.10	1/4	1,511.97
1/2	3,971.18	1/2	3,715.22	1/2	3,439.09	1/2	3,162.97	1/2	2,886.84	1/2	2,610.72	1/2	2,334.59	1/2	2,058.47	1/2	1,782.34	1/2	1,506.22
3/4	3,970.22	3/4	3,709.46	3/4	3,433.34	3/4	3,157.21	3/4	2,881.09	3/4	2,604.96	3/4	2,328.84	3/4	2,052.71	3/4	1,776.59	3/4	1,500.47

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 TO THE THREADS ON "MMC" STANDPIPE.
GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 31'-06" FORWARD OF AFT BULKHEAD.

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

BARGE "KIRBY 10201"

2 CENTER

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HFL 202S"

GAUGE HEIGHT 15'-06 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	1,494.71	0	1,218.59	0	942.46	0	666.51	0	397.48	0	121.36	0		0		0		0	
1/4	1,488.96	1/4	1,212.84	1/4	936.71	1/4	660.93	1/4	391.73	1/4	115.61	1/4		1/4		1/4		1/4	
1/2	1,483.21	1/2	1,207.08	1/2	930.96	1/2	655.36	1/2	385.97	1/2	109.85	1/2		1/2		1/2		1/2	
3/4	1,477.45	3/4	1,201.33	3/4	925.21	3/4	649.78	3/4	380.21	3/4	104.10	3/4		3/4		3/4		3/4	
1	1,471.70	1	1,195.58	1	919.45	1	644.21	1	374.46	1	98.35	1		1		1		1	
1/4	1,465.95	1/4	1,189.82	1/4	913.70	1/4	638.64	1/4	368.71	1/4	92.60	1/4		1/4		1/4		1/4	
1/2	1,460.20	1/2	1,184.07	1/2	907.95	1/2	633.07	1/2	362.95	1/2	86.85	1/2		1/2		1/2		1/2	
3/4	1,454.44	3/4	1,178.32	3/4	902.19	3/4	627.50	3/4	357.20	3/4	81.10	3/4		3/4		3/4		3/4	
2	1,448.69	2	1,172.57	2	896.44	2	621.93	2	351.45	2	75.36	2		2		2		2	
1/4	1,442.94	1/4	1,166.81	1/4	890.69	1/4	616.36	1/4	345.70	1/4	69.62	1/4		1/4		1/4		1/4	
1/2	1,437.19	1/2	1,161.06	1/2	884.94	1/2	610.79	1/2	339.94	1/2	63.88	1/2		1/2		1/2		1/2	
3/4	1,431.43	3/4	1,155.31	3/4	879.18	3/4	605.22	3/4	334.19	3/4	58.15	3/4		3/4		3/4		3/4	
3	1,425.68	3	1,149.56	3	873.43	3	599.65	3	328.44	3	52.23	3		3		3		3	
1/4	1,419.93	1/4	1,143.80	1/4	867.68	1/4	594.08	1/4	322.69	1/4	46.32	1/4		1/4		1/4		1/4	
1/2	1,414.18	1/2	1,138.05	1/2	861.93	1/2	588.51	1/2	316.94	1/2	40.83	1/2		1/2		1/2		1/2	
3/4	1,408.42	3/4	1,132.30	3/4	856.17	3/4	582.94	3/4	311.18	3/4	35.34	3/4		3/4		3/4		3/4	
4	1,402.67	4	1,126.55	4	850.42	4	577.37	4	305.43	4	30.54	4		4		4		4	
1/4	1,396.92	1/4	1,120.79	1/4	844.67	1/4	571.81	1/4	299.68	1/4	25.75	1/4		1/4		1/4		1/4	
1/2	1,391.17	1/2	1,115.04	1/2	838.92	1/2	566.24	1/2	293.93	1/2	20.96	1/2		1/2		1/2		1/2	
3/4	1,385.41	3/4	1,109.29	3/4	833.16	3/4	560.67	3/4	288.17	3/4	16.17	3/4		3/4		3/4		3/4	
5	1,379.66	5	1,103.54	5	827.41	5	555.10	5	282.42	5	13.30	5		5		5		5	
1/4	1,373.91	1/4	1,097.78	1/4	821.66	1/4	549.53	1/4	276.67	1/4	10.42	1/4		1/4		1/4		1/4	
1/2	1,368.16	1/2	1,092.03	1/2	815.91	1/2	543.96	1/2	270.92	1/2	7.54	1/2		1/2		1/2		1/2	
3/4	1,362.40	3/4	1,086.28	3/4	810.15	3/4	538.39	3/4	265.16	3/4	4.67	3/4		3/4		3/4		3/4	
6	1,356.65	6	1,080.53	6	804.40	6	532.82	6	259.41	6	3.71	6		6		6		6	
1/4	1,350.90	1/4	1,074.77	1/4	798.65	1/4	527.25	1/4	253.66	1/4	2.75	1/4		1/4		1/4		1/4	
1/2	1,345.14	1/2	1,069.02	1/2	792.90	1/2	521.68	1/2	247.91	1/2	1.79	1/2		1/2		1/2		1/2	
3/4	1,339.39	3/4	1,063.27	3/4	787.14	3/4	516.11	3/4	242.16	3/4	0.83	3/4		3/4		3/4		3/4	
7	1,333.64	7	1,057.51	7	781.39	7	510.54	7	236.40	7		7		7		7		7	
1/4	1,327.89	1/4	1,051.76	1/4	775.64	1/4	504.97	1/4	230.65	1/4		1/4		1/4		1/4		1/4	
1/2	1,322.13	1/2	1,046.01	1/2	769.88	1/2	499.40	1/2	224.90	1/2		1/2		1/2		1/2		1/2	
3/4	1,316.38	3/4	1,040.26	3/4	764.13	3/4	493.83	3/4	219.15	3/4		3/4		3/4		3/4		3/4	
8	1,310.63	8	1,034.50	8	758.38	8	488.26	8	213.39	8		8		8		8		8	
1/4	1,304.88	1/4	1,028.75	1/4	752.63	1/4	482.69	1/4	207.64	1/4		1/4		1/4		1/4		1/4	
1/2	1,299.12	1/2	1,023.00	1/2	746.87	1/2	477.13	1/2	201.89	1/2		1/2		1/2		1/2		1/2	
3/4	1,293.37	3/4	1,017.25	3/4	741.12	3/4	471.56	3/4	196.14	3/4		3/4		3/4		3/4		3/4	
9	1,287.62	9	1,011.49	9	735.37	9	465.98	9	190.38	9		9		9		9		9	
1/4	1,281.87	1/4	1,005.74	1/4	729.62	1/4	460.40	1/4	184.63	1/4		1/4		1/4		1/4		1/4	
1/2	1,276.11	1/2	999.99	1/2	723.86	1/2	454.82	1/2	178.88	1/2		1/2		1/2		1/2		1/2	
3/4	1,270.36	3/4	994.24	3/4	718.11	3/4	449.24	3/4	173.13	3/4		3/4		3/4		3/4		3/4	
10	1,264.61	10	988.48	10	712.36	10	443.49	10	167.38	10		10		10		10		10	
1/4	1,258.86	1/4	982.73	1/4	706.61	1/4	437.74	1/4	161.62	1/4		1/4		1/4		1/4		1/4	
1/2	1,253.10	1/2	976.98	1/2	700.85	1/2	431.98	1/2	155.87	1/2		1/2		1/2		1/2		1/2	
3/4	1,247.35	3/4	971.23	3/4	695.10	3/4	426.23	3/4	150.12	3/4		3/4		3/4		3/4		3/4	
11	1,241.60	11	965.47	11	689.35	11	420.48	11	144.37	11		11		11		11		11	
1/4	1,235.85	1/4	959.72	1/4	683.60	1/4	414.73	1/4	138.61	1/4		1/4		1/4		1/4		1/4	
1/2	1,230.09	1/2	953.97	1/2	677.84	1/2	408.97	1/2	132.86	1/2		1/2		1/2		1/2		1/2	
3/4	1,224.34	3/4	948.22	3/4	672.09	3/4	403.22	3/4	127.11	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/02/2008 CL - SW
CALCULATED: 09/03/2008 CL
VERIFIED: 12/11/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

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

BARGE "KIRBY 10201"

3 CENTER

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HFL 202S"

GAUGE HEIGHT 15'-07 1/4"

N	0 FT.	N	1 FT.	N	2 FT.	N	3 FT.	N	4 FT.	N	5 FT.	N	6 FT.	N	7 FT.	N	8 FT.	N	9 FT.
0		0	3,520.16	0	3,293.58	0	3,049.25	0	2,804.92	0	2,560.58	0	2,316.25	0	2,071.91	0	1,827.58	0	1,583.24
1/4		1/4	3,519.31	1/4	3,288.49	1/4	3,044.16	1/4	2,799.83	1/4	2,555.49	1/4	2,311.16	1/4	2,066.82	1/4	1,822.49	1/4	1,578.15
1/2		1/2	3,516.77	1/2	3,283.40	1/2	3,039.07	1/2	2,794.74	1/2	2,550.40	1/2	2,306.07	1/2	2,061.73	1/2	1,817.40	1/2	1,573.06
3/4		3/4	3,514.22	3/4	3,278.31	3/4	3,033.98	3/4	2,789.64	3/4	2,545.31	3/4	2,300.98	3/4	2,056.64	3/4	1,812.31	3/4	1,567.97
1		1	3,511.68	1	3,273.22	1	3,028.89	1	2,784.55	1	2,540.22	1	2,295.89	1	2,051.55	1	1,807.22	1	1,562.88
1/4		1/4	3,509.13	1/4	3,268.13	1/4	3,023.80	1/4	2,779.46	1/4	2,535.13	1/4	2,290.80	1/4	2,046.46	1/4	1,802.13	1/4	1,557.79
1/2		1/2	3,504.88	1/2	3,263.04	1/2	3,018.71	1/2	2,774.37	1/2	2,530.04	1/2	2,285.71	1/2	2,041.37	1/2	1,797.04	1/2	1,552.70
3/4		3/4	3,500.62	3/4	3,257.95	3/4	3,013.62	3/4	2,769.28	3/4	2,524.95	3/4	2,280.61	3/4	2,036.28	3/4	1,791.95	3/4	1,547.61
2		2	3,496.36	2	3,252.86	2	3,008.53	2	2,764.19	2	2,519.86	2	2,275.52	2	2,031.19	2	1,786.86	2	1,542.52
1/4		1/4	3,492.11	1/4	3,247.77	1/4	3,003.44	1/4	2,759.10	1/4	2,514.77	1/4	2,270.43	1/4	2,026.10	1/4	1,781.77	1/4	1,537.43
1/2		1/2	3,487.02	1/2	3,242.68	1/2	2,998.35	1/2	2,754.01	1/2	2,509.68	1/2	2,265.34	1/2	2,021.01	1/2	1,776.68	1/2	1,532.34
3/4		3/4	3,481.93	3/4	3,237.59	3/4	2,993.26	3/4	2,748.92	3/4	2,504.59	3/4	2,260.25	3/4	2,015.92	3/4	1,771.58	3/4	1,527.25
3		3	3,476.84	3	3,232.50	3	2,988.17	3	2,743.83	3	2,499.50	3	2,255.16	3	2,010.83	3	1,766.49	3	1,522.16
1/4		1/4	3,471.74	1/4	3,227.41	1/4	2,983.08	1/4	2,738.74	1/4	2,494.41	1/4	2,250.07	1/4	2,005.74	1/4	1,761.40	1/4	1,517.07
1/2		1/2	3,466.65	1/2	3,222.32	1/2	2,977.99	1/2	2,733.65	1/2	2,489.32	1/2	2,244.98	1/2	2,000.65	1/2	1,756.31	1/2	1,511.98
3/4		3/4	3,461.56	3/4	3,217.23	3/4	2,972.90	3/4	2,728.56	3/4	2,484.23	3/4	2,239.89	3/4	1,995.56	3/4	1,751.22	3/4	1,506.89
4		4	3,456.47	4	3,212.14	4	2,967.81	4	2,723.47	4	2,479.14	4	2,234.80	4	1,990.47	4	1,746.13	4	1,501.80
1/4		1/4	3,451.38	1/4	3,207.05	1/4	2,962.71	1/4	2,718.38	1/4	2,474.05	1/4	2,229.71	1/4	1,985.38	1/4	1,741.04	1/4	1,496.71
1/2		1/2	3,446.29	1/2	3,201.96	1/2	2,957.62	1/2	2,713.29	1/2	2,468.96	1/2	2,224.62	1/2	1,980.29	1/2	1,735.95	1/2	1,491.62
3/4		3/4	3,441.20	3/4	3,196.87	3/4	2,952.53	3/4	2,708.20	3/4	2,463.87	3/4	2,219.53	3/4	1,975.20	3/4	1,730.86	3/4	1,486.53
5		5	3,436.11	5	3,191.78	5	2,947.44	5	2,703.11	5	2,458.78	5	2,214.44	5	1,970.11	5	1,725.77	5	1,481.44
1/4		1/4	3,431.02	1/4	3,186.69	1/4	2,942.35	1/4	2,698.02	1/4	2,453.68	1/4	2,209.35	1/4	1,965.02	1/4	1,720.68	1/4	1,476.35
1/2		1/2	3,425.93	1/2	3,181.60	1/2	2,937.26	1/2	2,692.93	1/2	2,448.59	1/2	2,204.26	1/2	1,959.93	1/2	1,715.59	1/2	1,471.26
3/4		3/4	3,420.84	3/4	3,176.51	3/4	2,932.17	3/4	2,687.84	3/4	2,443.50	3/4	2,199.17	3/4	1,954.84	3/4	1,710.50	3/4	1,466.17
6		6	3,415.75	6	3,171.42	6	2,927.08	6	2,682.75	6	2,438.41	6	2,194.08	6	1,949.75	6	1,705.41	6	1,461.08
1/4		1/4	3,410.66	1/4	3,166.33	1/4	2,921.99	1/4	2,677.66	1/4	2,433.32	1/4	2,188.99	1/4	1,944.65	1/4	1,700.32	1/4	1,455.99
1/2		1/2	3,405.57	1/2	3,161.24	1/2	2,916.90	1/2	2,672.57	1/2	2,428.23	1/2	2,183.90	1/2	1,939.56	1/2	1,695.23	1/2	1,450.90
3/4		3/4	3,400.48	3/4	3,156.15	3/4	2,911.81	3/4	2,667.48	3/4	2,423.14	3/4	2,178.81	3/4	1,934.47	3/4	1,690.14	3/4	1,445.81
7		7	3,395.39	7	3,151.06	7	2,906.72	7	2,662.39	7	2,418.05	7	2,173.72	7	1,929.38	7	1,685.05	7	1,440.72
1/4		1/4	3,390.30	1/4	3,145.97	1/4	2,901.63	1/4	2,657.30	1/4	2,412.96	1/4	2,168.63	1/4	1,924.29	1/4	1,679.96	1/4	1,435.62
1/2		1/2	3,385.21	1/2	3,140.88	1/2	2,896.54	1/2	2,652.21	1/2	2,407.87	1/2	2,163.54	1/2	1,919.20	1/2	1,674.87	1/2	1,430.53
3/4		3/4	3,380.12	3/4	3,135.79	3/4	2,891.45	3/4	2,647.12	3/4	2,402.78	3/4	2,158.45	3/4	1,914.11	3/4	1,669.78	3/4	1,425.44
8		8	3,375.03	8	3,130.69	8	2,886.36	8	2,642.03	8	2,397.69	8	2,153.36	8	1,909.02	8	1,664.69	8	1,420.35
1/4		1/4	3,369.94	1/4	3,125.60	1/4	2,881.27	1/4	2,636.94	1/4	2,392.60	1/4	2,148.27	1/4	1,903.93	1/4	1,659.60	1/4	1,415.26
1/2		1/2	3,364.85	1/2	3,120.51	1/2	2,876.18	1/2	2,631.85	1/2	2,387.51	1/2	2,143.18	1/2	1,898.84	1/2	1,654.51	1/2	1,410.17
3/4		3/4	3,359.76	3/4	3,115.42	3/4	2,871.09	3/4	2,626.76	3/4	2,382.42	3/4	2,138.09	3/4	1,893.75	3/4	1,649.42	3/4	1,405.08
9		9	3,354.67	9	3,110.33	9	2,866.00	9	2,621.66	9	2,377.33	9	2,133.00	9	1,888.66	9	1,644.33	9	1,399.99
1/4		1/4	3,349.58	1/4	3,105.24	1/4	2,860.91	1/4	2,616.57	1/4	2,372.24	1/4	2,127.91	1/4	1,883.57	1/4	1,639.24	1/4	1,394.90
1/2		1/2	3,344.49	1/2	3,100.15	1/2	2,855.82	1/2	2,611.48	1/2	2,367.15	1/2	2,122.82	1/2	1,878.48	1/2	1,634.15	1/2	1,389.81
3/4		3/4	3,339.40	3/4	3,095.06	3/4	2,850.73	3/4	2,606.39	3/4	2,362.06	3/4	2,117.73	3/4	1,873.39	3/4	1,629.06	3/4	1,384.72
10		10	3,334.31	10	3,089.97	10	2,845.64	10	2,601.30	10	2,356.97	10	2,112.63	10	1,868.30	10	1,623.97	10	1,379.63
1/4		1/4	3,329.22	1/4	3,084.88	1/4	2,840.55	1/4	2,596.21	1/4	2,351.88	1/4	2,107.54	1/4	1,863.21	1/4	1,618.88	1/4	1,374.54
1/2		1/2	3,324.13	1/2	3,079.79	1/2	2,835.46	1/2	2,591.12	1/2	2,346.79	1/2	2,102.45	1/2	1,858.12	1/2	1,613.79	1/2	1,369.45
3/4		3/4	3,319.04	3/4	3,074.70	3/4	2,830.37	3/4	2,586.03	3/4	2,341.70	3/4	2,097.36	3/4	1,853.03	3/4	1,608.70	3/4	1,364.36
11		11	3,313.95	11	3,069.61	11	2,825.28	11	2,580.94	11	2,336.61	11	2,092.27	11	1,847.94	11	1,603.60	11	1,359.27
1/4	3,522.71	1/4	3,308.86	1/4	3,064.52	1/4	2,820.19	1/4	2,575.85	1/4	2,331.52	1/4	2,087.18	1/4	1,842.85	1/4	1,598.51	1/4	1,354.18
1/2	3,521.86	1/2	3,303.77	1/2	3,059.43	1/2	2,815.10	1/2	2,570.76	1/2	2,326.43	1/2	2,082.09	1/2	1,837.76	1/2	1,593.42	1/2	1,349.09
3/4	3,521.01	3/4	3,298.67	3/4	3,054.34	3/4	2,810.01	3/4	2,565.67	3/4	2,321.34	3/4	2,077.00	3/4	1,832.67	3/4	1,588.33	3/4	1,344.00

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THE THREADS ON "MMC" STANDPIPE.
GAUGE POINT: (MMC) LOCATED ON CENTERLINE AND 25'-06" FORWARD OF AFT BULKHEAD.

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

BARGE "KIRBY 10201"

3 CENTER
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HFL 202S"

GAUGE HEIGHT 15'-07 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	1,338.91	0	1,094.57	0	850.24	0	605.91	0	361.99	0	117.66	0		0		0		0	
1/4	1,333.82	1/4	1,089.48	1/4	845.15	1/4	600.82	1/4	356.90	1/4	112.57	1/4		1/4		1/4		1/4	
1/2	1,328.73	1/2	1,084.39	1/2	840.06	1/2	595.73	1/2	351.81	1/2	107.48	1/2		1/2		1/2		1/2	
3/4	1,323.64	3/4	1,079.30	3/4	834.97	3/4	590.65	3/4	346.72	3/4	102.39	3/4		3/4		3/4		3/4	
1	1,318.55	1	1,074.21	1	829.88	1	585.57	1	341.63	1	97.30	1		1		1		1	
1/4	1,313.46	1/4	1,069.12	1/4	824.79	1/4	580.49	1/4	336.54	1/4	92.21	1/4		1/4		1/4		1/4	
1/2	1,308.37	1/2	1,064.03	1/2	819.70	1/2	575.41	1/2	331.45	1/2	87.12	1/2		1/2		1/2		1/2	
3/4	1,303.28	3/4	1,058.94	3/4	814.61	3/4	570.33	3/4	326.36	3/4	82.03	3/4		3/4		3/4		3/4	
2	1,298.19	2	1,053.85	2	809.52	2	565.25	2	321.27	2	76.95	2		2		2		2	
1/4	1,293.10	1/4	1,048.76	1/4	804.43	1/4	560.17	1/4	316.18	1/4	71.86	1/4		1/4		1/4		1/4	
1/2	1,288.01	1/2	1,043.67	1/2	799.34	1/2	555.09	1/2	311.09	1/2	66.78	1/2		1/2		1/2		1/2	
3/4	1,282.92	3/4	1,038.58	3/4	794.25	3/4	550.01	3/4	306.00	3/4	61.70	3/4		3/4		3/4		3/4	
3	1,277.83	3	1,033.49	3	789.16	3	544.93	3	300.91	3	56.62	3		3		3		3	
1/4	1,272.74	1/4	1,028.40	1/4	784.07	1/4	539.85	1/4	295.82	1/4	51.55	1/4		1/4		1/4		1/4	
1/2	1,267.65	1/2	1,023.31	1/2	778.98	1/2	534.77	1/2	290.73	1/2	46.31	1/2		1/2		1/2		1/2	
3/4	1,262.55	3/4	1,018.22	3/4	773.89	3/4	529.69	3/4	285.64	3/4	41.08	3/4		3/4		3/4		3/4	
4	1,257.46	4	1,013.13	4	768.80	4	524.62	4	280.55	4	36.22	4		4		4		4	
1/4	1,252.37	1/4	1,008.04	1/4	763.71	1/4	519.54	1/4	275.46	1/4	31.36	1/4		1/4		1/4		1/4	
1/2	1,247.28	1/2	1,002.95	1/2	758.62	1/2	514.46	1/2	270.37	1/2	27.12	1/2		1/2		1/2		1/2	
3/4	1,242.19	3/4	997.86	3/4	753.52	3/4	509.38	3/4	265.28	3/4	22.88	3/4		3/4		3/4		3/4	
5	1,237.10	5	992.77	5	748.43	5	504.30	5	260.19	5	18.64	5		5		5		5	
1/4	1,232.01	1/4	987.68	1/4	743.34	1/4	499.22	1/4	255.10	1/4	14.40	1/4		1/4		1/4		1/4	
1/2	1,226.92	1/2	982.59	1/2	738.25	1/2	494.14	1/2	250.01	1/2	11.86	1/2		1/2		1/2		1/2	
3/4	1,221.83	3/4	977.50	3/4	733.16	3/4	489.06	3/4	244.92	3/4	9.31	3/4		3/4		3/4		3/4	
6	1,216.74	6	972.41	6	728.07	6	483.98	6	239.83	6	6.77	6		6		6		6	
1/4	1,211.65	1/4	967.32	1/4	722.98	1/4	478.90	1/4	234.74	1/4	4.22	1/4		1/4		1/4		1/4	
1/2	1,206.56	1/2	962.23	1/2	717.89	1/2	473.82	1/2	229.65	1/2	3.38	1/2		1/2		1/2		1/2	
3/4	1,201.47	3/4	957.14	3/4	712.80	3/4	468.74	3/4	224.56	3/4	2.53	3/4		3/4		3/4		3/4	
7	1,196.38	7	952.05	7	707.71	7	463.67	7	219.47	7	1.68	7		7		7		7	
1/4	1,191.29	1/4	946.96	1/4	702.62	1/4	458.59	1/4	214.38	1/4	0.83	1/4		1/4		1/4		1/4	
1/2	1,186.20	1/2	941.87	1/2	697.53	1/2	453.51	1/2	209.29	1/2		1/2		1/2		1/2		1/2	
3/4	1,181.11	3/4	936.78	3/4	692.44	3/4	448.43	3/4	204.20	3/4		3/4		3/4		3/4		3/4	
8	1,176.02	8	931.69	8	687.35	8	443.35	8	199.11	8		8		8		8		8	
1/4	1,170.93	1/4	926.59	1/4	682.26	1/4	438.27	1/4	194.01	1/4		1/4		1/4		1/4		1/4	
1/2	1,165.84	1/2	921.50	1/2	677.17	1/2	433.19	1/2	188.92	1/2		1/2		1/2		1/2		1/2	
3/4	1,160.75	3/4	916.41	3/4	672.08	3/4	428.11	3/4	183.83	3/4		3/4		3/4		3/4		3/4	
9	1,155.66	9	911.32	9	666.99	9	423.03	9	178.74	9		9		9		9		9	
1/4	1,150.57	1/4	906.23	1/4	661.90	1/4	417.95	1/4	173.65	1/4		1/4		1/4		1/4		1/4	
1/2	1,145.48	1/2	901.14	1/2	656.81	1/2	412.87	1/2	168.56	1/2		1/2		1/2		1/2		1/2	
3/4	1,140.39	3/4	896.05	3/4	651.72	3/4	407.79	3/4	163.47	3/4		3/4		3/4		3/4		3/4	
10	1,135.30	10	890.96	10	646.63	10	402.71	10	158.38	10		10		10		10		10	
1/4	1,130.21	1/4	885.87	1/4	641.54	1/4	397.62	1/4	153.29	1/4		1/4		1/4		1/4		1/4	
1/2	1,125.12	1/2	880.78	1/2	636.45	1/2	392.53	1/2	148.20	1/2		1/2		1/2		1/2		1/2	
3/4	1,120.03	3/4	875.69	3/4	631.36	3/4	387.44	3/4	143.11	3/4		3/4		3/4		3/4		3/4	
11	1,114.94	11	870.60	11	626.27	11	382.35	11	138.02	11		11		11		11		11	
1/4	1,109.85	1/4	865.51	1/4	621.18	1/4	377.26	1/4	132.93	1/4		1/4		1/4		1/4		1/4	
1/2	1,104.76	1/2	860.42	1/2	616.09	1/2	372.17	1/2	127.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,099.67	3/4	855.33	3/4	611.00	3/4	367.08	3/4	122.75	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/02/2008 CL - SW
CALCULATED: 09/03/2008 CL
VERIFIED: 12/11/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023

PRECISION MEASUREMENT
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