



BARGE "KIRBY 11357"

ULLAGE TRIM TABLE
FORMERLY "FMT 1014"

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
2 CENTER	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/2	- 00-1/2
3 CENTER	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 CENTER IS - 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 169'-06"

October 5, 2023

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 11357"

1 CENTER ULLAGE TABLE

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

FORMERLY "FMT 1014"

GAUGE HEIGHT 17'-08 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0	3,664.35	0	3,418.32	0	3,172.29	0	2,914.69	0	2,640.89	0	2,367.09		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,874.51	1/4	3,659.23	1/4	3,413.20	1/4	3,167.17	1/4	2,908.98	1/4	2,635.19	1/4	2,361.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,874.29	1/2	3,654.10	1/2	3,408.07	1/2	3,162.04	1/2	2,903.28	1/2	2,629.48	1/2	2,355.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,873.01	3/4	3,648.98	3/4	3,402.94	3/4	3,156.91	3/4	2,897.58	3/4	2,623.78	3/4	2,349.98
1		1		1		1		1	3,871.73	1	3,643.85	1	3,397.82	1	3,151.79	1	2,891.87	1	2,618.07	1	2,344.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,870.45	1/4	3,638.73	1/4	3,392.69	1/4	3,146.66	1/4	2,886.17	1/4	2,612.37	1/4	2,338.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,869.17	1/2	3,633.60	1/2	3,387.56	1/2	3,141.53	1/2	2,880.46	1/2	2,606.66	1/2	2,332.86
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,866.18	3/4	3,628.47	3/4	3,382.44	3/4	3,136.41	3/4	2,874.76	3/4	2,600.96	3/4	2,327.16
2		2		2		2		2	3,863.19	2	3,623.35	2	3,377.31	2	3,131.28	2	2,869.05	2	2,595.26	2	2,321.45
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,860.19	1/4	3,618.22	1/4	3,372.19	1/4	3,126.16	1/4	2,863.35	1/4	2,589.55	1/4	2,315.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,857.20	1/2	3,613.09	1/2	3,367.06	1/2	3,121.03	1/2	2,857.64	1/2	2,583.85	1/2	2,310.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,852.56	3/4	3,607.97	3/4	3,361.94	3/4	3,115.91	3/4	2,851.94	3/4	2,578.15	3/4	2,304.34
3		3		3		3		3	3,847.91	3	3,602.84	3	3,356.81	3	3,110.78	3	2,846.24	3	2,572.44	3	2,298.63
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,843.27	1/4	3,597.72	1/4	3,351.69	1/4	3,105.66	1/4	2,840.53	1/4	2,566.74	1/4	2,292.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,838.62	1/2	3,592.59	1/2	3,346.56	1/2	3,100.53	1/2	2,834.83	1/2	2,561.03	1/2	2,287.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,833.50	3/4	3,587.47	3/4	3,341.44	3/4	3,095.41	3/4	2,829.13	3/4	2,555.33	3/4	2,281.52
4		4		4		4		4	3,828.37	4	3,582.34	4	3,336.31	4	3,090.28	4	2,823.42	4	2,549.62	4	2,275.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,823.25	1/4	3,577.22	1/4	3,331.19	1/4	3,085.16	1/4	2,817.72	1/4	2,543.92	1/4	2,270.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,818.12	1/2	3,572.09	1/2	3,326.06	1/2	3,080.03	1/2	2,812.01	1/2	2,538.21	1/2	2,264.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,813.00	3/4	3,566.97	3/4	3,320.93	3/4	3,074.90	3/4	2,806.31	3/4	2,532.51	3/4	2,258.70
5		5		5		5		5	3,807.87	5	3,561.84	5	3,315.81	5	3,069.78	5	2,800.61	5	2,526.81	5	2,252.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,802.75	1/4	3,556.72	1/4	3,310.68	1/4	3,064.65	1/4	2,794.90	1/4	2,521.10	1/4	2,247.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,797.62	1/2	3,551.59	1/2	3,305.55	1/2	3,059.52	1/2	2,789.20	1/2	2,515.40	1/2	2,241.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,792.49	3/4	3,546.46	3/4	3,300.43	3/4	3,054.40	3/4	2,783.50	3/4	2,509.70	3/4	2,235.88
6		6		6		6		6	3,787.37	6	3,541.34	6	3,295.30	6	3,049.27	6	2,777.79	6	2,503.99	6	2,230.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,782.24	1/4	3,536.21	1/4	3,290.18	1/4	3,044.15	1/4	2,772.09	1/4	2,498.29	1/4	2,224.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,777.11	1/2	3,531.08	1/2	3,285.05	1/2	3,039.02	1/2	2,766.38	1/2	2,492.58	1/2	2,218.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,771.99	3/4	3,525.96	3/4	3,279.93	3/4	3,033.61	3/4	2,760.68	3/4	2,486.88	3/4	2,213.06
7		7		7		7		7	3,766.86	7	3,520.83	7	3,274.80	7	3,028.19	7	2,754.97	7	2,481.17	7	2,207.35
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,761.74	1/4	3,515.71	1/4	3,269.68	1/4	3,022.78	1/4	2,749.27	1/4	2,475.47	1/4	2,201.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,756.61	1/2	3,510.58	1/2	3,264.55	1/2	3,017.36	1/2	2,743.56	1/2	2,469.76	1/2	2,195.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,751.49	3/4	3,505.46	3/4	3,259.43	3/4	3,011.66	3/4	2,737.86	3/4	2,464.06	3/4	2,190.24
8		8		8		8		8	3,746.36	8	3,500.33	8	3,254.30	8	3,005.95	8	2,732.16	8	2,458.36	8	2,184.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,741.24	1/4	3,495.21	1/4	3,249.18	1/4	3,000.25	1/4	2,726.45	1/4	2,452.65	1/4	2,178.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,736.11	1/2	3,490.08	1/2	3,244.05	1/2	2,994.54	1/2	2,720.75	1/2	2,446.95	1/2	2,173.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,730.99	3/4	3,484.96	3/4	3,238.92	3/4	2,988.84	3/4	2,715.05	3/4	2,441.25	3/4	2,167.43
9		9		9		9		9	3,725.86	9	3,479.83	9	3,233.80	9	2,983.14	9	2,709.34	9	2,435.54	9	2,161.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,720.74	1/4	3,474.71	1/4	3,228.67	1/4	2,977.43	1/4	2,703.64	1/4	2,429.84	1/4	2,156.02
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,715.61	1/2	3,469.58	1/2	3,223.54	1/2	2,971.73	1/2	2,697.93	1/2	2,424.13	1/2	2,150.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,710.48	3/4	3,464.45	3/4	3,218.42	3/4	2,966.03	3/4	2,692.23	3/4	2,418.43	3/4	2,144.61
10		10		10		10		10	3,705.36	10	3,459.33	10	3,213.29	10	2,960.32	10	2,686.52	10	2,412.72	10	2,138.90
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,700.23	1/4	3,454.20	1/4	3,208.17	1/4	2,954.62	1/4	2,680.82	1/4	2,407.02	1/4	2,133.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,695.10	1/2	3,449.07	1/2	3,203.04	1/2	2,948.91	1/2	2,675.11	1/2	2,401.31	1/2	2,127.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,689.98	3/4	3,443.95	3/4	3,197.92	3/4	2,943.21	3/4	2,669.41	3/4	2,395.61	3/4	2,121.79
11		11		11		11		11	3,684.85	11	3,438.82	11	3,192.79	11	2,937.50	11	2,663.71	11	2,389.91	11	2,116.08
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,679.73	1/4	3,433.70	1/4	3,187.67	1/4	2,931.80	1/4	2,658.00	1/4	2,384.20	1/4	2,110.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,674.60	1/2	3,428.57	1/2	3,182.54	1/2	2,926.09	1/2	2,652.30	1/2	2,378.50	1/2	2,104.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,669.48	3/4	3,423.45	3/4	3,177.42	3/4	2,920.39	3/4	2,646.60	3/4	2,372.80	3/4	2,098.97

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" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 1'-0" CENTERLINE AND 29'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "KIRBY 11357"

1 CENTER ULLAGE TABLE

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

FORMERLY "FMT 1014"

GAUGE HEIGHT 17'-08 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	2,093.26	0	1,819.43	0	1,545.59	0	1,271.76	0	997.91	0	724.47	0	451.03	0	177.23	0		0	
1/4	2,087.56	1/4	1,813.73	1/4	1,539.89	1/4	1,266.06	1/4	992.21	1/4	718.79	1/4	445.33	1/4	171.53	1/4		1/4	
1/2	2,081.85	1/2	1,808.02	1/2	1,534.18	1/2	1,260.35	1/2	986.50	1/2	713.10	1/2	439.62	1/2	165.82	1/2		1/2	
3/4	2,076.15	3/4	1,802.32	3/4	1,528.48	3/4	1,254.65	3/4	980.80	3/4	707.42	3/4	433.92	3/4	160.12	3/4		3/4	
1	2,070.44	1	1,796.61	1	1,522.77	1	1,248.94	1	975.09	1	701.73	1	428.22	1	154.41	1		1	
1/4	2,064.74	1/4	1,790.91	1/4	1,517.07	1/4	1,243.24	1/4	969.39	1/4	696.05	1/4	422.51	1/4	148.71	1/4		1/4	
1/2	2,059.03	1/2	1,785.20	1/2	1,511.36	1/2	1,237.53	1/2	963.68	1/2	690.36	1/2	416.81	1/2	143.00	1/2		1/2	
3/4	2,053.33	3/4	1,779.50	3/4	1,505.66	3/4	1,231.82	3/4	957.98	3/4	684.68	3/4	411.11	3/4	137.30	3/4		3/4	
2	2,047.62	2	1,773.79	2	1,499.95	2	1,226.12	2	952.27	2	678.99	2	405.40	2	131.60	2		2	
1/4	2,041.92	1/4	1,768.09	1/4	1,494.25	1/4	1,220.41	1/4	946.57	1/4	673.31	1/4	399.70	1/4	125.89	1/4		1/4	
1/2	2,036.21	1/2	1,762.38	1/2	1,488.54	1/2	1,214.70	1/2	940.86	1/2	667.62	1/2	393.99	1/2	120.19	1/2		1/2	
3/4	2,030.51	3/4	1,756.68	3/4	1,482.84	3/4	1,209.00	3/4	935.16	3/4	661.94	3/4	388.29	3/4	114.49	3/4		3/4	
3	2,024.80	3	1,750.97	3	1,477.13	3	1,203.29	3	929.45	3	656.25	3	382.58	3	108.78	3		3	
1/4	2,019.10	1/4	1,745.27	1/4	1,471.43	1/4	1,197.59	1/4	923.75	1/4	650.57	1/4	376.88	1/4	103.08	1/4		1/4	
1/2	2,013.39	1/2	1,739.56	1/2	1,465.72	1/2	1,191.88	1/2	918.04	1/2	644.88	1/2	371.17	1/2	97.37	1/2		1/2	
3/4	2,007.69	3/4	1,733.86	3/4	1,460.02	3/4	1,186.18	3/4	912.34	3/4	639.20	3/4	365.47	3/4	91.67	3/4		3/4	
4	2,001.98	4	1,728.15	4	1,454.31	4	1,180.47	4	906.63	4	633.51	4	359.77	4	85.96	4		4	
1/4	1,996.28	1/4	1,722.45	1/4	1,448.61	1/4	1,174.77	1/4	900.93	1/4	627.83	1/4	354.06	1/4	80.26	1/4		1/4	
1/2	1,990.57	1/2	1,716.74	1/2	1,442.90	1/2	1,169.06	1/2	895.22	1/2	622.14	1/2	348.36	1/2	74.55	1/2		1/2	
3/4	1,984.87	3/4	1,711.04	3/4	1,437.20	3/4	1,163.36	3/4	889.52	3/4	616.44	3/4	342.66	3/4	68.85	3/4		3/4	
5	1,979.16	5	1,705.33	5	1,431.49	5	1,157.65	5	883.81	5	610.74	5	336.95	5	63.15	5		5	
1/4	1,973.46	1/4	1,699.63	1/4	1,425.79	1/4	1,151.95	1/4	878.11	1/4	605.03	1/4	331.25	1/4	57.44	1/4		1/4	
1/2	1,967.75	1/2	1,693.92	1/2	1,420.08	1/2	1,146.24	1/2	872.40	1/2	599.33	1/2	325.54	1/2	51.74	1/2		1/2	
3/4	1,962.05	3/4	1,688.22	3/4	1,414.38	3/4	1,140.54	3/4	866.70	3/4	593.63	3/4	319.84	3/4	46.04	3/4		3/4	
6	1,956.35	6	1,682.51	6	1,408.67	6	1,134.83	6	860.99	6	587.92	6	314.13	6	40.33	6		6	
1/4	1,950.64	1/4	1,676.81	1/4	1,402.97	1/4	1,129.13	1/4	855.29	1/4	582.22	1/4	308.43	1/4	34.63	1/4		1/4	
1/2	1,944.94	1/2	1,671.10	1/2	1,397.26	1/2	1,123.42	1/2	849.58	1/2	576.51	1/2	302.72	1/2	28.92	1/2		1/2	
3/4	1,939.24	3/4	1,665.40	3/4	1,391.56	3/4	1,117.72	3/4	843.89	3/4	570.81	3/4	297.02	3/4	24.08	3/4		3/4	
7	1,933.53	7	1,659.69	7	1,385.86	7	1,112.01	7	838.19	7	565.11	7	291.31	7	19.23	7		7	
1/4	1,927.83	1/4	1,653.99	1/4	1,380.15	1/4	1,106.31	1/4	832.50	1/4	559.40	1/4	285.61	1/4	14.39	1/4		1/4	
1/2	1,922.12	1/2	1,648.28	1/2	1,374.45	1/2	1,100.60	1/2	826.80	1/2	553.70	1/2	279.90	1/2	9.54	1/2		1/2	
3/4	1,916.42	3/4	1,642.58	3/4	1,368.75	3/4	1,094.90	3/4	821.12	3/4	548.00	3/4	274.20	3/4	7.40	3/4		3/4	
8	1,910.71	8	1,636.87	8	1,363.04	8	1,089.19	8	815.43	8	542.30	8	268.50	8	5.27	8		8	
1/4	1,905.01	1/4	1,631.17	1/4	1,357.34	1/4	1,083.49	1/4	809.75	1/4	536.59	1/4	262.79	1/4	3.13	1/4		1/4	
1/2	1,899.30	1/2	1,625.46	1/2	1,351.63	1/2	1,077.78	1/2	804.06	1/2	530.89	1/2	257.09	1/2	0.99	1/2		1/2	
3/4	1,893.60	3/4	1,619.76	3/4	1,345.93	3/4	1,072.08	3/4	798.38	3/4	525.19	3/4	251.39	3/4		3/4		3/4	
9	1,887.89	9	1,614.05	9	1,340.22	9	1,066.37	9	792.69	9	519.48	9	245.68	9		9		9	
1/4	1,882.19	1/4	1,608.35	1/4	1,334.52	1/4	1,060.67	1/4	787.01	1/4	513.78	1/4	239.98	1/4		1/4		1/4	
1/2	1,876.48	1/2	1,602.64	1/2	1,328.81	1/2	1,054.96	1/2	781.32	1/2	508.07	1/2	234.27	1/2		1/2		1/2	
3/4	1,870.78	3/4	1,596.94	3/4	1,323.11	3/4	1,049.26	3/4	775.64	3/4	502.37	3/4	228.57	3/4		3/4		3/4	
10	1,865.07	10	1,591.23	10	1,317.40	10	1,043.55	10	769.95	10	496.67	10	222.86	10		10		10	
1/4	1,859.37	1/4	1,585.53	1/4	1,311.70	1/4	1,037.85	1/4	764.27	1/4	490.96	1/4	217.16	1/4		1/4		1/4	
1/2	1,853.66	1/2	1,579.82	1/2	1,305.99	1/2	1,032.14	1/2	758.58	1/2	485.26	1/2	211.45	1/2		1/2		1/2	
3/4	1,847.96	3/4	1,574.12	3/4	1,300.29	3/4	1,026.44	3/4	752.90	3/4	479.56	3/4	205.75	3/4		3/4		3/4	
11	1,842.25	11	1,568.41	11	1,294.58	11	1,020.73	11	747.21	11	473.85	11	200.05	11		11		11	
1/4	1,836.55	1/4	1,562.71	1/4	1,288.88	1/4	1,015.03	1/4	741.53	1/4	468.15	1/4	194.34	1/4		1/4		1/4	
1/2	1,830.84	1/2	1,557.00	1/2	1,283.17	1/2	1,009.32	1/2	735.84	1/2	462.44	1/2	188.64	1/2		1/2		1/2	
3/4	1,825.14	3/4	1,551.30	3/4	1,277.47	3/4	1,003.62	3/4	730.16	3/4	456.74	3/4	182.94	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/08/2008 INT.
NAME CHANGE: 10/05/2023 JS
VERIFIED: 10/05/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 11357"

2 CENTER ULLAGE TABLE

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

FORMERLY "FMT 1014"

GAUGE HEIGHT 17'-08 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0	3,409.72	0	3,160.03	0	2,910.34	0	2,660.65	0	2,410.96	0	2,161.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,404.52	1/4	3,154.83	1/4	2,905.14	1/4	2,655.45	1/4	2,405.76	1/4	2,156.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,622.79	1/2	3,399.32	1/2	3,149.63	1/2	2,899.93	1/2	2,650.24	1/2	2,400.55
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,622.14	3/4	3,394.12	3/4	3,144.43	3/4	2,894.73	3/4	2,645.04	3/4	2,145.66
1		1		1		1		1	3,620.41	1	3,388.92	1	3,139.23	1	2,889.53	1	2,639.84	1	2,390.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,618.67	1/4	3,383.72	1/4	3,134.03	1/4	2,884.33	1/4	2,634.64	1/4	2,384.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,616.94	1/2	3,378.51	1/2	3,128.82	1/2	2,879.13	1/2	2,629.43	1/2	2,379.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,615.20	3/4	3,373.31	3/4	3,123.62	3/4	2,873.93	3/4	2,624.23	3/4	2,374.54
2		2		2		2		2	3,611.73	2	3,368.11	2	3,118.42	2	2,868.73	2	2,619.03	2	2,369.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,608.27	1/4	3,362.91	1/4	3,113.22	1/4	2,863.53	1/4	2,613.83	1/4	2,364.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,604.80	1/2	3,357.70	1/2	3,108.01	1/2	2,858.32	1/2	2,608.63	1/2	2,358.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,601.33	3/4	3,352.50	3/4	3,102.81	3/4	2,853.12	3/4	2,603.43	3/4	2,353.74
3		3		3		3		3	3,596.35	3	3,347.30	3	3,097.61	3	2,847.92	3	2,598.23	3	2,348.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,591.36	1/4	3,342.10	1/4	3,092.41	1/4	2,842.72	1/4	2,593.03	1/4	2,343.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,586.38	1/2	3,336.89	1/2	3,087.20	1/2	2,837.51	1/2	2,587.82	1/2	2,338.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,581.39	3/4	3,331.69	3/4	3,082.00	3/4	2,832.31	3/4	2,582.62	3/4	2,332.93
4		4		4		4		4	3,576.19	4	3,326.49	4	3,076.80	4	2,827.11	4	2,577.42	4	2,327.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,570.99	1/4	3,321.29	1/4	3,071.60	1/4	2,821.91	1/4	2,572.22	1/4	2,322.53
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,565.78	1/2	3,316.09	1/2	3,066.39	1/2	2,816.70	1/2	2,567.01	1/2	2,317.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,560.58	3/4	3,310.89	3/4	3,061.19	3/4	2,811.50	3/4	2,561.81	3/4	2,312.12
5		5		5		5		5	3,555.38	5	3,305.69	5	3,055.99	5	2,806.30	5	2,556.61	5	2,306.92
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,550.18	1/4	3,300.49	1/4	3,050.79	1/4	2,801.10	1/4	2,551.41	1/4	2,301.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,544.97	1/2	3,295.28	1/2	3,045.59	1/2	2,795.90	1/2	2,546.20	1/2	2,296.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,539.77	3/4	3,290.08	3/4	3,040.39	3/4	2,790.70	3/4	2,541.00	3/4	2,291.31
6		6		6		6		6	3,534.57	6	3,284.88	6	3,035.19	6	2,785.50	6	2,535.80	6	2,286.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,529.37	1/4	3,279.68	1/4	3,029.99	1/4	2,780.30	1/4	2,530.60	1/4	2,280.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,524.16	1/2	3,274.47	1/2	3,024.78	1/2	2,775.09	1/2	2,525.40	1/2	2,275.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,518.96	3/4	3,269.27	3/4	3,019.58	3/4	2,769.89	3/4	2,520.20	3/4	2,270.51
7		7		7		7		7	3,513.76	7	3,264.07	7	3,014.38	7	2,764.69	7	2,515.00	7	2,265.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,508.56	1/4	3,258.87	1/4	3,009.18	1/4	2,759.49	1/4	2,509.80	1/4	2,260.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,503.35	1/2	3,253.66	1/2	3,003.97	1/2	2,754.28	1/2	2,504.59	1/2	2,255.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,498.15	3/4	3,248.46	3/4	2,998.77	3/4	2,749.08	3/4	2,499.39	3/4	2,249.70
8		8		8		8		8	3,492.95	8	3,243.26	8	2,993.57	8	2,743.88	8	2,494.19	8	2,244.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,487.75	1/4	3,238.06	1/4	2,988.37	1/4	2,738.68	1/4	2,488.99	1/4	2,239.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,482.55	1/2	3,232.86	1/2	2,983.16	1/2	2,733.47	1/2	2,483.78	1/2	2,234.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,477.35	3/4	3,227.66	3/4	2,977.96	3/4	2,728.27	3/4	2,478.58	3/4	2,228.89
9		9		9		9		9	3,472.15	9	3,222.46	9	2,972.76	9	2,723.07	9	2,473.38	9	2,223.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,466.95	1/4	3,217.26	1/4	2,967.56	1/4	2,717.87	1/4	2,468.18	1/4	2,218.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,461.74	1/2	3,212.05	1/2	2,962.36	1/2	2,712.67	1/2	2,462.97	1/2	2,213.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,456.54	3/4	3,206.85	3/4	2,957.16	3/4	2,707.47	3/4	2,457.77	3/4	2,208.08
10		10		10		10		10	3,451.34	10	3,201.65	10	2,951.96	10	2,702.27	10	2,452.57	10	2,202.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,446.14	1/4	3,196.45	1/4	2,946.76	1/4	2,697.07	1/4	2,447.37	1/4	2,197.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,440.93	1/2	3,191.24	1/2	2,941.55	1/2	2,691.86	1/2	2,442.17	1/2	2,192.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,435.73	3/4	3,186.04	3/4	2,936.35	3/4	2,686.66	3/4	2,436.97	3/4	2,187.27
11		11		11		11		11	3,430.53	11	3,180.84	11	2,931.15	11	2,681.46	11	2,431.77	11	2,182.07
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,425.33	1/4	3,175.64	1/4	2,925.95	1/4	2,676.26	1/4	2,426.57	1/4	2,176.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,420.12	1/2	3,170.43	1/2	2,920.74	1/2	2,671.05	1/2	2,421.36	1/2	2,171.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,414.92	3/4	3,165.23	3/4	2,915.54	3/4	2,665.85	3/4	2,416.16	3/4	2,166.47

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 WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 1'-0" CENTERLINE AND 27'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 11357"

2 CENTER ULLAGE TABLE

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

FORMERLY "FMT 1014"

GAUGE HEIGHT 17'-08 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	1,911.54	0	1,661.82	0	1,412.09	0	1,162.36	0	912.63	0	663.27	0	413.96	0	161.26	0		0	
1/4	1,906.34	1/4	1,656.62	1/4	1,406.89	1/4	1,157.16	1/4	907.43	1/4	658.09	1/4	408.76	1/4	157.06	1/4		1/4	
1/2	1,901.13	1/2	1,651.41	1/2	1,401.68	1/2	1,151.95	1/2	902.22	1/2	652.90	1/2	403.55	1/2	152.85	1/2		1/2	
3/4	1,895.93	3/4	1,646.21	3/4	1,396.48	3/4	1,146.75	3/4	897.02	3/4	647.72	3/4	398.35	3/4	148.65	3/4		3/4	
1	1,890.73	1	1,641.01	1	1,391.28	1	1,141.55	1	891.82	1	642.54	1	393.15	1	143.45	1		1	
1/4	1,885.53	1/4	1,635.81	1/4	1,386.08	1/4	1,136.35	1/4	886.62	1/4	637.36	1/4	387.95	1/4	138.25	1/4		1/4	
1/2	1,880.32	1/2	1,630.60	1/2	1,380.87	1/2	1,131.14	1/2	881.41	1/2	632.17	1/2	382.74	1/2	133.05	1/2		1/2	
3/4	1,875.12	3/4	1,625.40	3/4	1,375.67	3/4	1,125.94	3/4	876.21	3/4	626.99	3/4	377.54	3/4	127.85	3/4		3/4	
2	1,869.92	2	1,620.20	2	1,370.47	2	1,120.74	2	871.01	2	621.81	2	372.34	2	122.65	2		2	
1/4	1,864.72	1/4	1,615.00	1/4	1,365.27	1/4	1,115.54	1/4	865.81	1/4	616.63	1/4	367.14	1/4	117.45	1/4		1/4	
1/2	1,859.51	1/2	1,609.79	1/2	1,360.06	1/2	1,110.33	1/2	860.60	1/2	611.44	1/2	361.93	1/2	112.24	1/2		1/2	
3/4	1,854.31	3/4	1,604.59	3/4	1,354.86	3/4	1,105.13	3/4	855.40	3/4	606.26	3/4	356.73	3/4	107.04	3/4		3/4	
3	1,849.11	3	1,599.39	3	1,349.66	3	1,099.93	3	850.20	3	601.08	3	351.53	3	101.84	3		3	
1/4	1,843.91	1/4	1,594.19	1/4	1,344.46	1/4	1,094.73	1/4	844.99	1/4	595.90	1/4	346.33	1/4	96.64	1/4		1/4	
1/2	1,838.70	1/2	1,588.98	1/2	1,339.25	1/2	1,089.52	1/2	839.79	1/2	590.71	1/2	341.13	1/2	91.43	1/2		1/2	
3/4	1,833.50	3/4	1,583.78	3/4	1,334.05	3/4	1,084.32	3/4	834.58	3/4	585.53	3/4	335.93	3/4	86.23	3/4		3/4	
4	1,828.30	4	1,578.58	4	1,328.85	4	1,079.12	4	829.38	4	580.35	4	330.73	4	81.03	4		4	
1/4	1,823.10	1/4	1,573.38	1/4	1,323.65	1/4	1,073.92	1/4	824.18	1/4	575.17	1/4	325.53	1/4	75.83	1/4		1/4	
1/2	1,817.89	1/2	1,568.17	1/2	1,318.44	1/2	1,068.71	1/2	818.97	1/2	569.98	1/2	320.32	1/2	70.62	1/2		1/2	
3/4	1,812.69	3/4	1,562.97	3/4	1,313.24	3/4	1,063.51	3/4	813.77	3/4	564.80	3/4	315.12	3/4	65.42	3/4		3/4	
5	1,807.49	5	1,557.77	5	1,308.04	5	1,058.31	5	808.57	5	559.60	5	309.92	5	60.22	5		5	
1/4	1,802.29	1/4	1,552.57	1/4	1,302.84	1/4	1,053.11	1/4	803.37	1/4	554.40	1/4	304.72	1/4	55.02	1/4		1/4	
1/2	1,797.08	1/2	1,547.36	1/2	1,297.63	1/2	1,047.90	1/2	798.16	1/2	549.19	1/2	299.51	1/2	49.81	1/2		1/2	
3/4	1,791.88	3/4	1,542.16	3/4	1,292.43	3/4	1,042.70	3/4	792.96	3/4	543.99	3/4	294.31	3/4	44.61	3/4		3/4	
6	1,786.68	6	1,536.96	6	1,287.23	6	1,037.50	6	787.76	6	538.79	6	289.11	6	39.41	6		6	
1/4	1,781.48	1/4	1,531.76	1/4	1,282.03	1/4	1,032.29	1/4	782.56	1/4	533.59	1/4	283.91	1/4	34.21	1/4		1/4	
1/2	1,776.27	1/2	1,526.55	1/2	1,276.82	1/2	1,027.09	1/2	777.35	1/2	528.39	1/2	278.70	1/2	29.01	1/2		1/2	
3/4	1,771.07	3/4	1,521.35	3/4	1,271.62	3/4	1,021.88	3/4	772.15	3/4	523.19	3/4	273.50	3/4	23.81	3/4		3/4	
7	1,765.87	7	1,516.15	7	1,266.42	7	1,016.68	7	766.96	7	517.99	7	268.30	7	19.82	7		7	
1/4	1,760.67	1/4	1,510.95	1/4	1,261.22	1/4	1,011.48	1/4	761.77	1/4	512.79	1/4	263.10	1/4	15.83	1/4		1/4	
1/2	1,755.46	1/2	1,505.74	1/2	1,256.01	1/2	1,006.27	1/2	756.57	1/2	507.58	1/2	257.89	1/2	11.84	1/2		1/2	
3/4	1,750.26	3/4	1,500.54	3/4	1,250.81	3/4	1,001.07	3/4	751.38	3/4	502.38	3/4	252.69	3/4	7.85	3/4		3/4	
8	1,745.06	8	1,495.34	8	1,245.61	8	995.87	8	746.20	8	497.18	8	247.49	8	6.12	8		8	
1/4	1,739.86	1/4	1,490.14	1/4	1,240.41	1/4	990.67	1/4	741.02	1/4	491.98	1/4	242.29	1/4	4.39	1/4		1/4	
1/2	1,734.65	1/2	1,484.93	1/2	1,235.20	1/2	985.46	1/2	735.83	1/2	486.78	1/2	237.09	1/2	2.65	1/2		1/2	
3/4	1,729.45	3/4	1,479.73	3/4	1,230.00	3/4	980.26	3/4	730.65	3/4	481.58	3/4	231.89	3/4	0.92	3/4		3/4	
9	1,724.25	9	1,474.53	9	1,224.80	9	975.06	9	725.47	9	476.38	9	226.69	9		9		9	
1/4	1,719.05	1/4	1,469.33	1/4	1,219.59	1/4	969.86	1/4	720.29	1/4	471.18	1/4	221.49	1/4		1/4		1/4	
1/2	1,713.84	1/2	1,464.12	1/2	1,214.39	1/2	964.65	1/2	715.10	1/2	465.97	1/2	216.28	1/2		1/2		1/2	
3/4	1,708.64	3/4	1,458.92	3/4	1,209.18	3/4	959.45	3/4	709.92	3/4	460.77	3/4	211.08	3/4		3/4		3/4	
10	1,703.44	10	1,453.72	10	1,203.98	10	954.25	10	704.74	10	455.57	10	205.88	10		10		10	
1/4	1,698.24	1/4	1,448.51	1/4	1,198.78	1/4	949.05	1/4	699.55	1/4	450.37	1/4	200.68	1/4		1/4		1/4	
1/2	1,693.03	1/2	1,443.31	1/2	1,193.57	1/2	943.84	1/2	694.37	1/2	445.17	1/2	195.47	1/2		1/2		1/2	
3/4	1,687.83	3/4	1,438.10	3/4	1,188.37	3/4	938.64	3/4	689.18	3/4	439.97	3/4	190.27	3/4		3/4		3/4	
11	1,682.63	11	1,432.90	11	1,183.17	11	933.44	11	684.00	11	434.77	11	184.07	11		11		11	
1/4	1,677.43	1/4	1,427.70	1/4	1,177.97	1/4	928.24	1/4	678.82	1/4	429.57	1/4	177.87	1/4		1/4		1/4	
1/2	1,672.22	1/2	1,422.49	1/2	1,172.76	1/2	923.03	1/2	673.63	1/2	424.36	1/2	171.66	1/2		1/2		1/2	
3/4	1,667.02	3/4	1,417.29	3/4	1,167.56	3/4	917.83	3/4	668.45	3/4	419.16	3/4	165.46	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/08/2008 INT.
NAME CHANGE: 10/05/2023 JS
VERIFIED: 10/05/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

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



BARGE "KIRBY 11357"

3 CENTER ULLAGE TABLE

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

FORMERLY "FMT 1014"

GAUGE HEIGHT 17'-09"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0	3,393.46	0	3,145.33	0	2,897.21	0	2,649.09	0	2,400.97	0	2,152.85		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,388.29	1/4	3,140.16	1/4	2,892.04	1/4	2,643.92	1/4	2,395.80	1/4	2,147.68		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,383.12	1/2	3,135.00	1/2	2,886.87	1/2	2,638.75	1/2	2,390.63	1/2	2,142.51		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,377.95	3/4	3,129.83	3/4	2,881.71	3/4	2,633.58	3/4	2,383.46	3/4	2,137.34		
1		1		1		1	3,595.06	1	3,372.78	1	3,124.66	1	2,876.54	1	2,628.41	1	2,380.29	1	2,132.17		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,594.03	1/4	3,367.61	1/4	3,119.49	1/4	2,871.37	1/4	2,623.24	1/4	2,375.12	1/4	2,127.00		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,592.99	1/2	3,362.44	1/2	3,114.32	1/2	2,866.20	1/2	2,618.07	1/2	2,369.95	1/2	2,121.83		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,591.96	3/4	3,357.27	3/4	3,109.15	3/4	2,861.03	3/4	2,612.91	3/4	2,364.79	3/4	2,116.66		
2		2		2		2	3,590.92	2	3,352.10	2	3,103.98	2	2,855.86	2	2,607.74	2	2,359.62	2	2,111.49		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,587.82	1/4	3,346.93	1/4	3,098.81	1/4	2,850.69	1/4	2,602.57	1/4	2,354.45	1/4	2,106.32		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,584.72	1/2	3,341.77	1/2	3,093.64	1/2	2,845.52	1/2	2,597.40	1/2	2,349.28	1/2	2,101.15		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,581.62	3/4	3,336.60	3/4	3,088.47	3/4	2,840.35	3/4	2,592.23	3/4	2,344.11	3/4	2,095.98		
3		3		3		3	3,578.52	3	3,331.43	3	3,083.30	3	2,835.18	3	2,587.06	3	2,338.94	3	2,090.81		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,573.61	1/4	3,326.26	1/4	3,078.13	1/4	2,830.01	1/4	2,581.89	1/4	2,333.77	1/4	2,085.64		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,568.70	1/2	3,321.09	1/2	3,072.97	1/2	2,824.84	1/2	2,576.72	1/2	2,328.60	1/2	2,080.47		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,563.78	3/4	3,315.92	3/4	3,067.80	3/4	2,819.68	3/4	2,571.55	3/4	2,323.43	3/4	2,075.30		
4		4		4		4	3,558.87	4	3,310.75	4	3,062.63	4	2,814.51	4	2,566.38	4	2,318.26	4	2,070.13		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,553.70	1/4	3,305.58	1/4	3,057.46	1/4	2,809.34	1/4	2,561.21	1/4	2,313.09	1/4	2,064.96		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,548.53	1/2	3,300.41	1/2	3,052.29	1/2	2,804.17	1/2	2,556.04	1/2	2,307.92	1/2	2,059.79		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,543.36	3/4	3,295.24	3/4	3,047.12	3/4	2,799.00	3/4	2,550.88	3/4	2,302.76	3/4	2,054.62		
5		5		5		5	3,538.19	5	3,290.07	5	3,041.95	5	2,793.83	5	2,545.71	5	2,297.59	5	2,049.45		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,533.02	1/4	3,284.90	1/4	3,036.78	1/4	2,788.66	1/4	2,540.54	1/4	2,292.42	1/4	2,044.28		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,527.86	1/2	3,279.74	1/2	3,031.61	1/2	2,783.49	1/2	2,535.37	1/2	2,287.25	1/2	2,039.11		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,522.69	3/4	3,274.57	3/4	3,026.44	3/4	2,778.32	3/4	2,530.20	3/4	2,282.08	3/4	2,033.94		
6		6		6		6	3,517.52	6	3,269.40	6	3,021.27	6	2,773.15	6	2,525.03	6	2,276.91	6	2,028.77		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,512.35	1/4	3,264.23	1/4	3,016.10	1/4	2,767.98	1/4	2,519.86	1/4	2,271.74	1/4	2,023.60		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,507.18	1/2	3,259.06	1/2	3,010.94	1/2	2,762.81	1/2	2,514.69	1/2	2,266.57	1/2	2,018.43		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,502.01	3/4	3,253.89	3/4	3,005.77	3/4	2,757.65	3/4	2,509.52	3/4	2,261.40	3/4	2,013.26		
7		7		7		7	3,496.84	7	3,248.72	7	3,000.60	7	2,752.48	7	2,504.35	7	2,256.23	7	2,008.09		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,491.67	1/4	3,243.55	1/4	2,995.43	1/4	2,747.31	1/4	2,499.18	1/4	2,251.06	1/4	2,002.92		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,486.50	1/2	3,238.38	1/2	2,990.26	1/2	2,742.14	1/2	2,494.01	1/2	2,245.89	1/2	1,997.75		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,481.33	3/4	3,233.21	3/4	2,985.09	3/4	2,736.97	3/4	2,488.85	3/4	2,240.72	3/4	1,992.58		
8		8		8		8	3,476.16	8	3,228.04	8	2,979.92	8	2,731.80	8	2,483.68	8	2,235.55	8	1,987.41		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,470.99	1/4	3,222.87	1/4	2,974.75	1/4	2,726.63	1/4	2,478.51	1/4	2,230.38	1/4	1,982.24		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,465.83	1/2	3,217.71	1/2	2,969.58	1/2	2,721.46	1/2	2,473.34	1/2	2,225.21	1/2	1,977.07		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,460.66	3/4	3,212.54	3/4	2,964.41	3/4	2,716.29	3/4	2,468.17	3/4	2,220.05	3/4	1,971.90		
9		9		9		9	3,455.49	9	3,207.37	9	2,959.24	9	2,711.12	9	2,463.00	9	2,214.88	9	1,966.73		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,450.32	1/4	3,202.20	1/4	2,954.07	1/4	2,705.95	1/4	2,457.83	1/4	2,209.71	1/4	1,961.56		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,445.15	1/2	3,197.03	1/2	2,948.90	1/2	2,700.78	1/2	2,452.66	1/2	2,204.54	1/2	1,956.39		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,439.98	3/4	3,191.86	3/4	2,943.74	3/4	2,695.61	3/4	2,447.49	3/4	2,199.37	3/4	1,951.22		
10		10		10		10	3,434.81	10	3,186.69	10	2,938.57	10	2,690.44	10	2,442.32	10	2,194.20	10	1,946.05		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,429.64	1/4	3,181.52	1/4	2,933.40	1/4	2,685.27	1/4	2,437.15	1/4	2,189.03	1/4	1,940.88		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,424.47	1/2	3,176.35	1/2	2,928.23	1/2	2,680.10	1/2	2,431.98	1/2	2,183.86	1/2	1,935.71		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,419.30	3/4	3,171.18	3/4	2,923.06	3/4	2,674.94	3/4	2,426.82	3/4	2,178.69	3/4	1,930.54		
11		11		11		11	3,414.13	11	3,166.01	11	2,917.89	11	2,669.77	11	2,421.65	11	2,173.52	11	1,925.37		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,408.96	1/4	3,160.84	1/4	2,912.72	1/4	2,664.60	1/4	2,416.48	1/4	2,168.35	1/4	1,920.20		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,403.80	1/2	3,155.67	1/2	2,907.55	1/2	2,659.43	1/2	2,411.31	1/2	2,163.18	1/2	1,915.03		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,398.63	3/4	3,150.50	3/4	2,902.38	3/4	2,654.26	3/4	2,406.14	3/4	2,158.02	3/4	1,909.86		

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" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 1'-0" CENTERLINE AND 27'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 11357"

3 CENTER ULLAGE TABLE

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

FORMERLY "FMT 1014"

GAUGE HEIGHT 17'-09"

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	1,904.69	0	1,656.54	0	1,408.38	0	1,160.22	0	912.06	0	664.25	0	416.53	0	168.40	0		0	
1/4	1,899.52	1/4	1,651.37	1/4	1,403.21	1/4	1,155.05	1/4	906.89	1/4	659.10	1/4	411.36	1/4	163.23	1/4		1/4	
1/2	1,894.35	1/2	1,646.20	1/2	1,398.04	1/2	1,149.88	1/2	901.72	1/2	653.95	1/2	406.19	1/2	158.06	1/2		1/2	
3/4	1,889.19	3/4	1,641.03	3/4	1,392.87	3/4	1,144.71	3/4	896.55	3/4	648.80	3/4	401.02	3/4	152.89	3/4		3/4	
1	1,884.02	1	1,635.86	1	1,387.70	1	1,139.54	1	891.38	1	643.65	1	395.85	1	147.72	1		1	
1/4	1,878.85	1/4	1,630.69	1/4	1,382.53	1/4	1,134.37	1/4	886.21	1/4	638.50	1/4	390.68	1/4	142.55	1/4		1/4	
1/2	1,873.68	1/2	1,625.52	1/2	1,377.36	1/2	1,129.20	1/2	881.04	1/2	633.35	1/2	385.51	1/2	137.38	1/2		1/2	
3/4	1,868.51	3/4	1,620.35	3/4	1,372.19	3/4	1,124.03	3/4	875.87	3/4	628.20	3/4	380.34	3/4	132.21	3/4		3/4	
2	1,863.34	2	1,615.18	2	1,367.02	2	1,118.86	2	870.70	2	623.05	2	375.17	2	127.04	2		2	
1/4	1,858.17	1/4	1,610.01	1/4	1,361.85	1/4	1,113.69	1/4	865.53	1/4	617.90	1/4	370.00	1/4	121.87	1/4		1/4	
1/2	1,853.00	1/2	1,604.84	1/2	1,356.68	1/2	1,108.52	1/2	860.36	1/2	612.75	1/2	364.83	1/2	116.70	1/2		1/2	
3/4	1,847.83	3/4	1,599.67	3/4	1,351.51	3/4	1,103.35	3/4	855.19	3/4	607.60	3/4	359.66	3/4	111.54	3/4		3/4	
3	1,842.66	3	1,594.50	3	1,346.34	3	1,098.18	3	850.02	3	602.45	3	354.49	3	106.37	3		3	
1/4	1,837.49	1/4	1,589.33	1/4	1,341.17	1/4	1,093.01	1/4	844.85	1/4	597.30	1/4	349.32	1/4	101.20	1/4		1/4	
1/2	1,832.32	1/2	1,584.16	1/2	1,336.00	1/2	1,087.84	1/2	839.68	1/2	592.15	1/2	344.15	1/2	96.03	1/2		1/2	
3/4	1,827.15	3/4	1,578.99	3/4	1,330.83	3/4	1,082.67	3/4	834.51	3/4	587.00	3/4	338.99	3/4	90.86	3/4		3/4	
4	1,821.98	4	1,573.82	4	1,325.66	4	1,077.50	4	829.34	4	581.85	4	333.82	4	85.69	4		4	
1/4	1,816.81	1/4	1,568.65	1/4	1,320.49	1/4	1,072.33	1/4	824.17	1/4	576.70	1/4	328.65	1/4	80.52	1/4		1/4	
1/2	1,811.64	1/2	1,563.48	1/2	1,315.32	1/2	1,067.16	1/2	819.00	1/2	571.55	1/2	323.48	1/2	75.35	1/2		1/2	
3/4	1,806.47	3/4	1,558.31	3/4	1,310.15	3/4	1,061.99	3/4	813.83	3/4	566.40	3/4	318.31	3/4	70.18	3/4		3/4	
5	1,801.30	5	1,553.14	5	1,304.98	5	1,056.82	5	808.66	5	561.25	5	313.14	5	65.01	5		5	
1/4	1,796.13	1/4	1,547.97	1/4	1,299.81	1/4	1,051.65	1/4	803.49	1/4	556.08	1/4	307.97	1/4	59.84	1/4		1/4	
1/2	1,790.96	1/2	1,542.80	1/2	1,294.64	1/2	1,046.48	1/2	798.31	1/2	550.91	1/2	302.80	1/2	54.67	1/2		1/2	
3/4	1,785.79	3/4	1,537.63	3/4	1,289.47	3/4	1,041.31	3/4	793.14	3/4	545.74	3/4	297.63	3/4	49.51	3/4		3/4	
6	1,780.62	6	1,532.46	6	1,284.30	6	1,036.14	6	787.97	6	540.57	6	292.46	6	44.34	6		6	
1/4	1,775.45	1/4	1,527.29	1/4	1,279.13	1/4	1,030.97	1/4	782.80	1/4	535.40	1/4	287.29	1/4	39.17	1/4		1/4	
1/2	1,770.28	1/2	1,522.12	1/2	1,273.96	1/2	1,025.80	1/2	777.63	1/2	530.23	1/2	282.12	1/2	34.00	1/2		1/2	
3/4	1,765.11	3/4	1,516.95	3/4	1,268.79	3/4	1,020.63	3/4	772.46	3/4	525.07	3/4	276.96	3/4	28.83	3/4		3/4	
7	1,759.94	7	1,511.78	7	1,263.62	7	1,015.46	7	767.29	7	519.90	7	271.79	7	23.66	7		7	
1/4	1,754.77	1/4	1,506.61	1/4	1,258.45	1/4	1,010.29	1/4	762.13	1/4	514.73	1/4	266.62	1/4	19.70	1/4		1/4	
1/2	1,749.60	1/2	1,501.44	1/2	1,253.28	1/2	1,005.12	1/2	756.97	1/2	509.56	1/2	261.45	1/2	15.73	1/2		1/2	
3/4	1,744.43	3/4	1,496.27	3/4	1,248.11	3/4	999.95	3/4	751.81	3/4	504.40	3/4	256.28	3/4	11.77	3/4		3/4	
8	1,739.26	8	1,491.10	8	1,242.94	8	994.78	8	746.65	8	499.23	8	251.11	8	7.81	8		8	
1/4	1,734.09	1/4	1,485.93	1/4	1,237.77	1/4	989.61	1/4	741.50	1/4	494.06	1/4	245.94	1/4	6.09	1/4		1/4	
1/2	1,728.92	1/2	1,480.76	1/2	1,232.60	1/2	984.44	1/2	736.35	1/2	488.89	1/2	240.77	1/2	4.36	1/2		1/2	
3/4	1,723.75	3/4	1,475.59	3/4	1,227.43	3/4	979.27	3/4	731.20	3/4	483.73	3/4	235.60	3/4	2.64	3/4		3/4	
9	1,718.58	9	1,470.42	9	1,222.26	9	974.10	9	726.05	9	478.56	9	230.43	9	0.92	9		9	
1/4	1,713.41	1/4	1,465.25	1/4	1,217.09	1/4	968.93	1/4	720.90	1/4	473.39	1/4	225.26	1/4		1/4		1/4	
1/2	1,708.24	1/2	1,460.08	1/2	1,211.92	1/2	963.76	1/2	715.75	1/2	468.22	1/2	220.09	1/2		1/2		1/2	
3/4	1,703.07	3/4	1,454.91	3/4	1,206.75	3/4	958.59	3/4	710.60	3/4	463.05	3/4	214.92	3/4		3/4		3/4	
10	1,697.90	10	1,449.74	10	1,201.58	10	953.42	10	705.45	10	457.88	10	209.75	10		10		10	
1/4	1,692.73	1/4	1,444.57	1/4	1,196.41	1/4	948.25	1/4	700.30	1/4	452.71	1/4	204.58	1/4		1/4		1/4	
1/2	1,687.56	1/2	1,439.40	1/2	1,191.24	1/2	943.08	1/2	695.15	1/2	447.54	1/2	199.41	1/2		1/2		1/2	
3/4	1,682.39	3/4	1,434.23	3/4	1,186.07	3/4	937.91	3/4	690.00	3/4	442.37	3/4	194.25	3/4		3/4		3/4	
11	1,677.22	11	1,429.06	11	1,180.90	11	932.74	11	684.85	11	437.20	11	189.08	11		11		11	
1/4	1,672.05	1/4	1,423.89	1/4	1,175.73	1/4	927.57	1/4	679.70	1/4	432.03	1/4	183.91	1/4		1/4		1/4	
1/2	1,666.88	1/2	1,418.72	1/2	1,170.56	1/2	922.40	1/2	674.55	1/2	426.86	1/2	178.74	1/2		1/2		1/2	
3/4	1,661.71	3/4	1,413.55	3/4	1,165.39	3/4	917.23	3/4	669.40	3/4	421.70	3/4	173.57	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/08/2008 INT.
NAME CHANGE: 10/05/2023 JS
VERIFIED: 10/05/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
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