



BARGE: FMT 1402

INNAGE TRIM TABLE

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

(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)

LENGTH BETWEEN DRAFT MARKS: 163'-09"

July 24, 2019

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



BARGE "FMT 1402"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

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	4.05	0	220.17	0	467.45	0	711.35	0	954.97	0	1,201.49	0	1,448.02	0	1,694.45	0	1,940.37	0	2,186.97
1/4	4.91	1/4	225.32	1/4	472.60	1/4	716.33	1/4	960.10	1/4	1,206.63	1/4	1,453.16	1/4	1,699.57	1/4	1,945.51	1/4	2,192.10
1/2	5.77	1/2	230.48	1/2	477.75	1/2	721.31	1/2	965.24	1/2	1,211.77	1/2	1,458.29	1/2	1,704.69	1/2	1,950.64	1/2	2,197.24
3/4	6.63	3/4	235.63	3/4	482.90	3/4	726.29	3/4	970.37	3/4	1,216.90	3/4	1,463.43	3/4	1,709.81	3/4	1,955.78	3/4	2,202.38
1	7.48	1	240.78	1	488.06	1	731.27	1	975.51	1	1,222.04	1	1,468.57	1	1,714.93	1	1,960.92	1	2,207.51
1/4	10.06	1/4	245.93	1/4	493.21	1/4	736.25	1/4	980.65	1/4	1,227.17	1/4	1,473.70	1/4	1,720.05	1/4	1,966.06	1/4	2,212.65
1/2	12.63	1/2	251.08	1/2	498.36	1/2	741.23	1/2	985.78	1/2	1,232.31	1/2	1,478.84	1/2	1,725.17	1/2	1,971.19	1/2	2,217.79
3/4	15.21	3/4	256.23	3/4	503.51	3/4	746.21	3/4	990.92	3/4	1,237.45	3/4	1,483.97	3/4	1,730.29	3/4	1,976.33	3/4	2,222.93
2	17.78	2	261.38	2	508.66	2	751.20	2	996.05	2	1,242.58	2	1,489.11	2	1,735.41	2	1,981.47	2	2,228.06
1/4	22.08	1/4	266.54	1/4	513.81	1/4	756.18	1/4	1,001.19	1/4	1,247.72	1/4	1,494.24	1/4	1,740.53	1/4	1,986.61	1/4	2,233.20
1/2	26.37	1/2	271.69	1/2	518.96	1/2	761.16	1/2	1,006.33	1/2	1,252.85	1/2	1,499.37	1/2	1,745.65	1/2	1,991.74	1/2	2,238.34
3/4	30.66	3/4	276.84	3/4	524.12	3/4	766.14	3/4	1,011.46	3/4	1,257.99	3/4	1,504.51	3/4	1,750.77	3/4	1,996.88	3/4	2,243.48
3	34.95	3	281.99	3	529.27	3	771.12	3	1,016.60	3	1,263.13	3	1,509.64	3	1,755.89	3	2,002.02	3	2,248.61
1/4	40.05	1/4	287.14	1/4	534.42	1/4	776.12	1/4	1,021.73	1/4	1,268.26	1/4	1,514.77	1/4	1,761.01	1/4	2,007.16	1/4	2,253.75
1/2	45.16	1/2	292.29	1/2	539.57	1/2	781.12	1/2	1,026.87	1/2	1,273.40	1/2	1,519.90	1/2	1,766.14	1/2	2,012.29	1/2	2,258.89
3/4	50.27	3/4	297.45	3/4	544.72	3/4	786.13	3/4	1,032.01	3/4	1,278.53	3/4	1,525.04	3/4	1,771.26	3/4	2,017.43	3/4	2,264.03
4	55.38	4	302.60	4	549.87	4	791.13	4	1,037.14	4	1,283.67	4	1,530.17	4	1,776.38	4	2,022.57	4	2,269.16
1/4	60.51	1/4	307.75	1/4	555.03	1/4	796.14	1/4	1,042.28	1/4	1,288.81	1/4	1,535.30	1/4	1,781.50	1/4	2,027.71	1/4	2,274.30
1/2	65.65	1/2	312.90	1/2	560.18	1/2	801.14	1/2	1,047.41	1/2	1,293.94	1/2	1,540.43	1/2	1,786.62	1/2	2,032.84	1/2	2,279.44
3/4	70.79	3/4	318.05	3/4	565.33	3/4	806.15	3/4	1,052.55	3/4	1,299.08	3/4	1,545.57	3/4	1,791.74	3/4	2,037.98	3/4	2,284.58
5	75.93	5	323.20	5	570.48	5	811.16	5	1,057.69	5	1,304.21	5	1,550.70	5	1,796.86	5	2,043.12	5	2,289.71
1/4	81.08	1/4	328.36	1/4	575.62	1/4	816.29	1/4	1,062.82	1/4	1,309.35	1/4	1,555.83	1/4	1,801.98	1/4	2,048.26	1/4	2,294.85
1/2	86.23	1/2	333.51	1/2	580.77	1/2	821.43	1/2	1,067.96	1/2	1,314.49	1/2	1,560.96	1/2	1,807.10	1/2	2,053.39	1/2	2,299.99
3/4	91.38	3/4	338.66	3/4	585.91	3/4	826.57	3/4	1,073.09	3/4	1,319.62	3/4	1,566.10	3/4	1,812.22	3/4	2,058.53	3/4	2,305.13
6	96.53	6	343.81	6	591.05	6	831.70	6	1,078.23	6	1,324.76	6	1,571.23	6	1,817.34	6	2,063.67	6	2,310.26
1/4	101.68	1/4	348.96	1/4	596.20	1/4	836.84	1/4	1,083.37	1/4	1,329.89	1/4	1,576.36	1/4	1,822.46	1/4	2,068.80	1/4	2,315.40
1/2	106.83	1/2	354.11	1/2	601.34	1/2	841.97	1/2	1,088.50	1/2	1,335.03	1/2	1,581.49	1/2	1,827.58	1/2	2,073.94	1/2	2,320.54
3/4	111.99	3/4	359.27	3/4	606.48	3/4	847.11	3/4	1,093.64	3/4	1,340.17	3/4	1,586.62	3/4	1,832.70	3/4	2,079.08	3/4	2,325.67
7	117.14	7	364.42	7	611.63	7	852.25	7	1,098.77	7	1,345.30	7	1,591.76	7	1,837.82	7	2,084.22	7	2,330.81
1/4	122.29	1/4	369.57	1/4	616.62	1/4	857.38	1/4	1,103.91	1/4	1,350.44	1/4	1,596.89	1/4	1,842.94	1/4	2,089.35	1/4	2,335.94
1/2	127.44	1/2	374.72	1/2	621.62	1/2	862.52	1/2	1,109.05	1/2	1,355.57	1/2	1,602.02	1/2	1,848.06	1/2	2,094.49	1/2	2,341.08
3/4	132.59	3/4	379.87	3/4	626.61	3/4	867.65	3/4	1,114.18	3/4	1,360.71	3/4	1,607.15	3/4	1,853.19	3/4	2,099.63	3/4	2,346.21
8	137.74	8	385.02	8	631.61	8	872.79	8	1,119.32	8	1,365.85	8	1,612.29	8	1,858.31	8	2,104.77	8	2,351.34
1/4	142.89	1/4	390.17	1/4	636.60	1/4	877.93	1/4	1,124.45	1/4	1,370.98	1/4	1,617.42	1/4	1,863.43	1/4	2,109.90	1/4	2,356.47
1/2	148.05	1/2	395.33	1/2	641.59	1/2	883.06	1/2	1,129.59	1/2	1,376.12	1/2	1,622.56	1/2	1,868.55	1/2	2,115.04	1/2	2,361.61
3/4	153.20	3/4	400.48	3/4	646.59	3/4	888.20	3/4	1,134.73	3/4	1,381.25	3/4	1,627.69	3/4	1,873.67	3/4	2,120.18	3/4	2,366.74
9	158.35	9	405.63	9	651.58	9	893.33	9	1,139.86	9	1,386.39	9	1,632.83	9	1,878.79	9	2,125.32	9	2,371.87
1/4	163.50	1/4	410.78	1/4	656.56	1/4	898.47	1/4	1,145.00	1/4	1,391.53	1/4	1,637.96	1/4	1,883.91	1/4	2,130.45	1/4	2,377.00
1/2	168.65	1/2	415.93	1/2	661.54	1/2	903.61	1/2	1,150.13	1/2	1,396.66	1/2	1,643.10	1/2	1,889.03	1/2	2,135.59	1/2	2,382.14
3/4	173.81	3/4	421.08	3/4	666.52	3/4	908.74	3/4	1,155.27	3/4	1,401.80	3/4	1,648.23	3/4	1,894.15	3/4	2,140.73	3/4	2,387.27
10	178.96	10	426.24	10	671.50	10	913.88	10	1,160.41	10	1,406.93	10	1,653.37	10	1,899.27	10	2,145.87	10	2,392.40
1/4	184.11	1/4	431.39	1/4	676.48	1/4	919.01	1/4	1,165.54	1/4	1,412.07	1/4	1,658.50	1/4	1,904.41	1/4	2,151.00	1/4	2,397.53
1/2	189.26	1/2	436.54	1/2	681.46	1/2	924.15	1/2	1,170.68	1/2	1,417.21	1/2	1,663.64	1/2	1,909.55	1/2	2,156.14	1/2	2,402.66
3/4	194.41	3/4	441.69	3/4	686.44	3/4	929.29	3/4	1,175.81	3/4	1,422.34	3/4	1,668.77	3/4	1,914.68	3/4	2,161.28	3/4	2,407.80
11	199.56	11	446.84	11	691.43	11	934.42	11	1,180.95	11	1,427.48	11	1,673.91	11	1,919.82	11	2,166.42	11	2,412.93
1/4	204.72	1/4	451.99	1/4	696.41	1/4	939.56	1/4	1,186.09	1/4	1,432.61	1/4	1,679.04	1/4	1,924.96	1/4	2,171.55	1/4	2,418.06
1/2	209.87	1/2	457.15	1/2	701.39	1/2	944.69	1/2	1,191.22	1/2	1,437.75	1/2	1,684.18	1/2	1,930.10	1/2	2,176.69	1/2	2,423.19
3/4	215.02	3/4	462.30	3/4	706.37	3/4	949.83	3/4	1,196.36	3/4	1,442.89	3/4	1,689.31	3/4	1,935.23	3/4	2,181.83	3/4	2,428.33

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 INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 23'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "FMT 1402"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

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	2,433.46	0	2,661.15	0	2,871.52	0	3,081.90	0	3,292.27	0		0		0		0		0	
1/4	2,438.59	1/4	2,665.53	1/4	2,875.91	1/4	3,086.28	1/4	3,296.65	1/4		1/4		1/4		1/4		1/4	
1/2	2,443.72	1/2	2,669.91	1/2	2,880.29	1/2	3,090.66	1/2	3,301.04	1/2		1/2		1/2		1/2		1/2	
3/4	2,448.86	3/4	2,674.30	3/4	2,884.67	3/4	3,095.05	3/4	3,305.42	3/4		3/4		3/4		3/4		3/4	
1	2,453.99	1	2,678.68	1	2,889.05	1	3,099.43	1	3,309.80	1		1		1		1		1	
1/4	2,459.12	1/4	2,683.06	1/4	2,893.44	1/4	3,103.81	1/4	3,314.19	1/4		1/4		1/4		1/4		1/4	
1/2	2,464.25	1/2	2,687.45	1/2	2,897.82	1/2	3,108.19	1/2	3,318.57	1/2		1/2		1/2		1/2		1/2	
3/4	2,469.38	3/4	2,691.83	3/4	2,902.20	3/4	3,112.58	3/4	3,322.95	3/4		3/4		3/4		3/4		3/4	
2	2,474.52	2	2,696.21	2	2,906.59	2	3,116.96	2	3,327.33	2		2		2		2		2	
1/4	2,479.65	1/4	2,700.59	1/4	2,910.97	1/4	3,121.34	1/4	3,331.72	1/4		1/4		1/4		1/4		1/4	
1/2	2,484.78	1/2	2,704.98	1/2	2,915.35	1/2	3,125.73	1/2	3,336.10	1/2		1/2		1/2		1/2		1/2	
3/4	2,489.91	3/4	2,709.36	3/4	2,919.73	3/4	3,130.11	3/4	3,340.49	3/4		3/4		3/4		3/4		3/4	
3	2,495.05	3	2,713.74	3	2,924.12	3	3,134.49	3	3,344.87	3		3		3		3		3	
1/4	2,500.18	1/4	2,718.13	1/4	2,928.50	1/4	3,138.87	1/4	3,349.24	1/4		1/4		1/4		1/4		1/4	
1/2	2,505.31	1/2	2,722.51	1/2	2,932.88	1/2	3,143.26	1/2	3,353.61	1/2		1/2		1/2		1/2		1/2	
3/4	2,510.44	3/4	2,726.89	3/4	2,937.27	3/4	3,147.64	3/4	3,357.98	3/4		3/4		3/4		3/4		3/4	
4	2,515.58	4	2,731.27	4	2,941.65	4	3,152.02	4	3,362.35	4		4		4		4		4	
1/4	2,520.69	1/4	2,735.66	1/4	2,946.03	1/4	3,156.41	1/4	3,366.69	1/4		1/4		1/4		1/4		1/4	
1/2	2,525.81	1/2	2,740.04	1/2	2,950.41	1/2	3,160.79	1/2	3,371.02	1/2		1/2		1/2		1/2		1/2	
3/4	2,530.93	3/4	2,744.42	3/4	2,954.80	3/4	3,165.17	3/4	3,375.36	3/4		3/4		3/4		3/4		3/4	
5	2,536.04	5	2,748.80	5	2,959.18	5	3,169.55	5	3,379.70	5		5		5		5		5	
1/4	2,541.16	1/4	2,753.19	1/4	2,963.56	1/4	3,173.94	1/4	3,383.99	1/4		1/4		1/4		1/4		1/4	
1/2	2,546.28	1/2	2,757.57	1/2	2,967.94	1/2	3,178.32	1/2	3,388.28	1/2		1/2		1/2		1/2		1/2	
3/4	2,551.39	3/4	2,761.95	3/4	2,972.33	3/4	3,182.70	3/4	3,392.57	3/4		3/4		3/4		3/4		3/4	
6	2,556.51	6	2,766.34	6	2,976.71	6	3,187.08	6	3,396.86	6		6		6		6		6	
1/4	2,560.86	1/4	2,770.72	1/4	2,981.09	1/4	3,191.47	1/4	3,399.44	1/4		1/4		1/4		1/4		1/4	
1/2	2,565.21	1/2	2,775.10	1/2	2,985.48	1/2	3,195.85	1/2	3,402.01	1/2		1/2		1/2		1/2		1/2	
3/4	2,569.56	3/4	2,779.48	3/4	2,989.86	3/4	3,200.23	3/4	3,404.59	3/4		3/4		3/4		3/4		3/4	
7	2,573.90	7	2,783.87	7	2,994.24	7	3,204.62	7	3,407.16	7		7		7		7		7	
1/4	2,578.25	1/4	2,788.25	1/4	2,998.62	1/4	3,209.00	1/4	3,408.02	1/4		1/4		1/4		1/4		1/4	
1/2	2,582.60	1/2	2,792.63	1/2	3,003.01	1/2	3,213.38	1/2	3,408.88	1/2		1/2		1/2		1/2		1/2	
3/4	2,586.95	3/4	2,797.02	3/4	3,007.39	3/4	3,217.76	3/4	3,409.74	3/4		3/4		3/4		3/4		3/4	
8	2,591.30	8	2,801.40	8	3,011.77	8	3,222.15	8	3,410.59	8		8		8		8		8	
1/4	2,595.65	1/4	2,805.78	1/4	3,016.16	1/4	3,226.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,600.00	1/2	2,810.16	1/2	3,020.54	1/2	3,230.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,604.34	3/4	2,814.55	3/4	3,024.92	3/4	3,235.30	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,608.69	9	2,818.93	9	3,029.30	9	3,239.68	9		9		9		9		9		9	
1/4	2,613.04	1/4	2,823.31	1/4	3,033.69	1/4	3,244.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,617.39	1/2	2,827.70	1/2	3,038.07	1/2	3,248.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,621.74	3/4	2,832.08	3/4	3,042.45	3/4	3,252.83	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,626.09	10	2,836.46	10	3,046.84	10	3,257.21	10		10		10		10		10		10	
1/4	2,630.47	1/4	2,840.84	1/4	3,051.22	1/4	3,261.59	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,634.85	1/2	2,845.23	1/2	3,055.60	1/2	3,265.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,639.23	3/4	2,849.61	3/4	3,059.98	3/4	3,270.36	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,643.62	11	2,853.99	11	3,064.37	11	3,274.74	11		11		11		11		11		11	
1/4	2,648.00	1/4	2,858.37	1/4	3,068.75	1/4	3,279.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,652.38	1/2	2,862.76	1/2	3,073.13	1/2	3,283.51	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,656.77	3/4	2,867.14	3/4	3,077.51	3/4	3,287.89	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 7/24/2019 JS
CALCULATED: 07/25/2019 CL
PRINTED: 07/26/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

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



BARGE "FMT 1402"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	0.73	0	239.71	0	513.16	0	783.20	0	1,053.24	0	1,326.70	0	1,600.15	0	1,873.61	0	2,147.07	0	2,420.52
1/4	1.68	1/4	245.41	1/4	518.86	1/4	788.72	1/4	1,058.94	1/4	1,332.39	1/4	1,605.85	1/4	1,879.31	1/4	2,152.76	1/4	2,426.22
1/2	2.62	1/2	251.11	1/2	524.55	1/2	794.25	1/2	1,064.64	1/2	1,338.09	1/2	1,611.55	1/2	1,885.00	1/2	2,158.46	1/2	2,431.92
3/4	3.57	3/4	256.80	3/4	530.25	3/4	799.77	3/4	1,070.33	3/4	1,343.79	3/4	1,617.24	3/4	1,890.70	3/4	2,164.16	3/4	2,437.61
1	4.52	1	262.50	1	535.95	1	805.30	1	1,076.03	1	1,349.49	1	1,622.94	1	1,896.40	1	2,169.85	1	2,443.31
1/4	7.37	1/4	268.20	1/4	541.64	1/4	810.82	1/4	1,081.73	1/4	1,355.18	1/4	1,628.64	1/4	1,902.09	1/4	2,175.55	1/4	2,449.01
1/2	10.22	1/2	273.89	1/2	547.34	1/2	816.35	1/2	1,087.42	1/2	1,360.88	1/2	1,634.34	1/2	1,907.79	1/2	2,181.25	1/2	2,454.70
3/4	13.06	3/4	279.59	3/4	553.04	3/4	821.88	3/4	1,093.12	3/4	1,366.58	3/4	1,640.03	3/4	1,913.49	3/4	2,186.94	3/4	2,460.40
2	15.91	2	285.29	2	558.73	2	827.40	2	1,098.82	2	1,372.27	2	1,645.73	2	1,919.19	2	2,192.64	2	2,466.10
1/4	20.66	1/4	290.98	1/4	564.43	1/4	832.93	1/4	1,104.51	1/4	1,377.97	1/4	1,651.43	1/4	1,924.88	1/4	2,198.34	1/4	2,471.79
1/2	25.40	1/2	296.68	1/2	570.13	1/2	838.45	1/2	1,110.21	1/2	1,383.67	1/2	1,657.12	1/2	1,930.58	1/2	2,204.04	1/2	2,477.49
3/4	30.14	3/4	302.38	3/4	575.82	3/4	843.98	3/4	1,115.91	3/4	1,389.36	3/4	1,662.82	3/4	1,936.28	3/4	2,209.73	3/4	2,483.19
3	34.89	3	308.07	3	581.52	3	849.50	3	1,121.61	3	1,395.06	3	1,668.52	3	1,941.97	3	2,215.43	3	2,488.89
1/4	40.54	1/4	313.77	1/4	587.22	1/4	855.03	1/4	1,127.30	1/4	1,400.76	1/4	1,674.21	1/4	1,947.67	1/4	2,221.13	1/4	2,494.58
1/2	46.18	1/2	319.47	1/2	592.91	1/2	860.55	1/2	1,133.00	1/2	1,406.46	1/2	1,679.91	1/2	1,953.37	1/2	2,226.82	1/2	2,500.28
3/4	51.83	3/4	325.16	3/4	598.61	3/4	866.08	3/4	1,138.70	3/4	1,412.15	3/4	1,685.61	3/4	1,959.06	3/4	2,232.52	3/4	2,505.98
4	57.48	4	330.86	4	604.31	4	871.61	4	1,144.39	4	1,417.85	4	1,691.31	4	1,964.76	4	2,238.22	4	2,511.67
1/4	63.16	1/4	336.56	1/4	610.00	1/4	877.14	1/4	1,150.09	1/4	1,423.55	1/4	1,697.00	1/4	1,970.46	1/4	2,243.91	1/4	2,517.37
1/2	68.84	1/2	342.25	1/2	615.70	1/2	882.67	1/2	1,155.79	1/2	1,429.24	1/2	1,702.70	1/2	1,976.16	1/2	2,249.61	1/2	2,523.07
3/4	74.53	3/4	347.95	3/4	621.40	3/4	888.20	3/4	1,161.48	3/4	1,434.94	3/4	1,708.40	3/4	1,981.85	3/4	2,255.31	3/4	2,528.76
5	80.21	5	353.65	5	627.09	5	893.73	5	1,167.18	5	1,440.64	5	1,714.09	5	1,987.55	5	2,261.01	5	2,534.46
1/4	85.90	1/4	359.34	1/4	632.79	1/4	899.42	1/4	1,172.88	1/4	1,446.33	1/4	1,719.79	1/4	1,993.25	1/4	2,266.70	1/4	2,540.16
1/2	91.60	1/2	365.04	1/2	638.49	1/2	905.12	1/2	1,178.58	1/2	1,452.03	1/2	1,725.49	1/2	1,998.94	1/2	2,272.40	1/2	2,545.86
3/4	97.29	3/4	370.74	3/4	644.18	3/4	910.82	3/4	1,184.27	3/4	1,457.73	3/4	1,731.18	3/4	2,004.64	3/4	2,278.10	3/4	2,551.55
6	102.99	6	376.44	6	649.88	6	916.51	6	1,189.97	6	1,463.43	6	1,736.88	6	2,010.34	6	2,283.79	6	2,557.25
1/4	108.69	1/4	382.13	1/4	655.58	1/4	922.21	1/4	1,195.67	1/4	1,469.12	1/4	1,742.58	1/4	2,016.03	1/4	2,289.49	1/4	2,562.95
1/2	114.38	1/2	387.83	1/2	661.28	1/2	927.91	1/2	1,201.36	1/2	1,474.82	1/2	1,748.28	1/2	2,021.73	1/2	2,295.19	1/2	2,568.64
3/4	120.08	3/4	393.53	3/4	666.97	3/4	933.60	3/4	1,207.06	3/4	1,480.52	3/4	1,753.97	3/4	2,027.43	3/4	2,300.88	3/4	2,574.34
7	125.78	7	399.22	7	672.67	7	939.30	7	1,212.76	7	1,486.21	7	1,759.67	7	2,033.13	7	2,306.58	7	2,580.04
1/4	131.47	1/4	404.92	1/4	678.20	1/4	945.00	1/4	1,218.45	1/4	1,491.91	1/4	1,765.37	1/4	2,038.82	1/4	2,312.28	1/4	2,585.73
1/2	137.17	1/2	410.62	1/2	683.73	1/2	950.70	1/2	1,224.15	1/2	1,497.61	1/2	1,771.06	1/2	2,044.52	1/2	2,317.98	1/2	2,591.43
3/4	142.87	3/4	416.31	3/4	689.26	3/4	956.39	3/4	1,229.85	3/4	1,503.30	3/4	1,776.76	3/4	2,050.22	3/4	2,323.67	3/4	2,597.13
8	148.56	8	422.01	8	694.79	8	962.09	8	1,235.55	8	1,509.00	8	1,782.46	8	2,055.91	8	2,329.37	8	2,602.83
1/4	154.26	1/4	427.71	1/4	700.31	1/4	967.79	1/4	1,241.24	1/4	1,514.70	1/4	1,788.15	1/4	2,061.61	1/4	2,335.07	1/4	2,608.52
1/2	159.96	1/2	433.40	1/2	705.84	1/2	973.48	1/2	1,246.94	1/2	1,520.40	1/2	1,793.85	1/2	2,067.31	1/2	2,340.76	1/2	2,614.22
3/4	165.65	3/4	439.10	3/4	711.37	3/4	979.18	3/4	1,252.64	3/4	1,526.09	3/4	1,799.55	3/4	2,073.00	3/4	2,346.46	3/4	2,619.92
9	171.35	9	444.80	9	716.89	9	984.88	9	1,258.33	9	1,531.79	9	1,805.25	9	2,078.70	9	2,352.16	9	2,625.61
1/4	177.05	1/4	450.49	1/4	722.42	1/4	990.57	1/4	1,264.03	1/4	1,537.49	1/4	1,810.94	1/4	2,084.40	1/4	2,357.85	1/4	2,631.31
1/2	182.74	1/2	456.19	1/2	727.94	1/2	996.27	1/2	1,269.73	1/2	1,543.18	1/2	1,816.64	1/2	2,090.10	1/2	2,363.55	1/2	2,637.01
3/4	188.44	3/4	461.89	3/4	733.47	3/4	1,001.97	3/4	1,275.42	3/4	1,548.88	3/4	1,822.34	3/4	2,095.79	3/4	2,369.25	3/4	2,642.70
10	194.14	10	467.58	10	738.99	10	1,007.67	10	1,281.12	10	1,554.58	10	1,828.03	10	2,101.49	10	2,374.95	10	2,648.40
1/4	199.83	1/4	473.28	1/4	744.52	1/4	1,013.36	1/4	1,286.82	1/4	1,560.27	1/4	1,833.73	1/4	2,107.19	1/4	2,380.64	1/4	2,654.10
1/2	205.53	1/2	478.98	1/2	750.04	1/2	1,019.06	1/2	1,292.52	1/2	1,565.97	1/2	1,839.43	1/2	2,112.88	1/2	2,386.34	1/2	2,659.80
3/4	211.23	3/4	484.67	3/4	755.57	3/4	1,024.76	3/4	1,298.21	3/4	1,571.67	3/4	1,845.12	3/4	2,118.58	3/4	2,392.04	3/4	2,665.49
11	216.92	11	490.37	11	761.10	11	1,030.45	11	1,303.91	11	1,577.37	11	1,850.82	11	2,124.28	11	2,397.73	11	2,671.19
1/4	222.62	1/4	496.07	1/4	766.62	1/4	1,036.15	1/4	1,309.61	1/4	1,583.06	1/4	1,856.52	1/4	2,129.97	1/4	2,403.43	1/4	2,676.89
1/2	228.32	1/2	501.76	1/2	772.15	1/2	1,041.85	1/2	1,315.30	1/2	1,588.76	1/2	1,862.22	1/2	2,135.67	1/2	2,409.13	1/2	2,682.58
3/4	234.02	3/4	507.46	3/4	777.67	3/4	1,047.54	3/4	1,321.00	3/4	1,594.46	3/4	1,867.91	3/4	2,141.37	3/4	2,414.82	3/4	2,688.28

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 INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 30'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "FMT 1402"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-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	2,693.98	0	2,967.43	0	3,240.89	0	3,514.35	0	3,787.80	0		0		0		0		0	
1/4	2,699.67	1/4	2,973.13	1/4	3,246.59	1/4	3,520.04	1/4	3,793.50	1/4		1/4		1/4		1/4		1/4	
1/2	2,705.37	1/2	2,978.83	1/2	3,252.28	1/2	3,525.74	1/2	3,799.20	1/2		1/2		1/2		1/2		1/2	
3/4	2,711.07	3/4	2,984.52	3/4	3,257.98	3/4	3,531.44	3/4	3,804.89	3/4		3/4		3/4		3/4		3/4	
1	2,716.77	1	2,990.22	1	3,263.68	1	3,537.13	1	3,810.59	1		1		1		1		1	
1/4	2,722.46	1/4	2,995.92	1/4	3,269.37	1/4	3,542.83	1/4	3,816.29	1/4		1/4		1/4		1/4		1/4	
1/2	2,728.16	1/2	3,001.62	1/2	3,275.07	1/2	3,548.53	1/2	3,821.98	1/2		1/2		1/2		1/2		1/2	
3/4	2,733.86	3/4	3,007.31	3/4	3,280.77	3/4	3,554.22	3/4	3,827.68	3/4		3/4		3/4		3/4		3/4	
2	2,739.55	2	3,013.01	2	3,286.47	2	3,559.92	2	3,833.38	2		2		2		2		2	
1/4	2,745.25	1/4	3,018.71	1/4	3,292.16	1/4	3,565.62	1/4	3,839.07	1/4		1/4		1/4		1/4		1/4	
1/2	2,750.95	1/2	3,024.40	1/2	3,297.86	1/2	3,571.32	1/2	3,844.77	1/2		1/2		1/2		1/2		1/2	
3/4	2,756.64	3/4	3,030.10	3/4	3,303.56	3/4	3,577.01	3/4	3,850.46	3/4		3/4		3/4		3/4		3/4	
3	2,762.34	3	3,035.80	3	3,309.25	3	3,582.71	3	3,856.16	3		3		3		3		3	
1/4	2,768.04	1/4	3,041.49	1/4	3,314.95	1/4	3,588.41	1/4	3,861.84	1/4		1/4		1/4		1/4		1/4	
1/2	2,773.74	1/2	3,047.19	1/2	3,320.65	1/2	3,594.10	1/2	3,867.52	1/2		1/2		1/2		1/2		1/2	
3/4	2,779.43	3/4	3,052.89	3/4	3,326.34	3/4	3,599.80	3/4	3,873.21	3/4		3/4		3/4		3/4		3/4	
4	2,785.13	4	3,058.59	4	3,332.04	4	3,605.50	4	3,878.89	4		4		4		4		4	
1/4	2,790.83	1/4	3,064.28	1/4	3,337.74	1/4	3,611.19	1/4	3,884.54	1/4		1/4		1/4		1/4		1/4	
1/2	2,796.52	1/2	3,069.98	1/2	3,343.44	1/2	3,616.89	1/2	3,890.18	1/2		1/2		1/2		1/2		1/2	
3/4	2,802.22	3/4	3,075.68	3/4	3,349.13	3/4	3,622.59	3/4	3,895.83	3/4		3/4		3/4		3/4		3/4	
5	2,807.92	5	3,081.37	5	3,354.83	5	3,628.29	5	3,901.48	5		5		5		5		5	
1/4	2,813.61	1/4	3,087.07	1/4	3,360.53	1/4	3,633.98	1/4	3,906.22	1/4		1/4		1/4		1/4		1/4	
1/2	2,819.31	1/2	3,092.77	1/2	3,366.22	1/2	3,639.68	1/2	3,910.97	1/2		1/2		1/2		1/2		1/2	
3/4	2,825.01	3/4	3,098.46	3/4	3,371.92	3/4	3,645.38	3/4	3,915.71	3/4		3/4		3/4		3/4		3/4	
6	2,830.71	6	3,104.16	6	3,377.62	6	3,651.07	6	3,920.46	6		6		6		6		6	
1/4	2,836.40	1/4	3,109.86	1/4	3,383.31	1/4	3,656.77	1/4	3,923.31	1/4		1/4		1/4		1/4		1/4	
1/2	2,842.10	1/2	3,115.56	1/2	3,389.01	1/2	3,662.47	1/2	3,926.15	1/2		1/2		1/2		1/2		1/2	
3/4	2,847.80	3/4	3,121.25	3/4	3,394.71	3/4	3,668.16	3/4	3,929.00	3/4		3/4		3/4		3/4		3/4	
7	2,853.49	7	3,126.95	7	3,400.41	7	3,673.86	7	3,931.85	7		7		7		7		7	
1/4	2,859.19	1/4	3,132.65	1/4	3,406.10	1/4	3,679.56	1/4	3,932.80	1/4		1/4		1/4		1/4		1/4	
1/2	2,864.89	1/2	3,138.34	1/2	3,411.80	1/2	3,685.26	1/2	3,933.75	1/2		1/2		1/2		1/2		1/2	
3/4	2,870.58	3/4	3,144.04	3/4	3,417.50	3/4	3,690.95	3/4	3,934.69	3/4		3/4		3/4		3/4		3/4	
8	2,876.28	8	3,149.74	8	3,423.19	8	3,696.65	8	3,935.64	8		8		8		8		8	
1/4	2,881.98	1/4	3,155.43	1/4	3,428.89	1/4	3,702.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,887.68	1/2	3,161.13	1/2	3,434.59	1/2	3,708.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,893.37	3/4	3,166.83	3/4	3,440.28	3/4	3,713.74	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,899.07	9	3,172.53	9	3,445.98	9	3,719.44	9		9		9		9		9		9	
1/4	2,904.77	1/4	3,178.22	1/4	3,451.68	1/4	3,725.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,910.46	1/2	3,183.92	1/2	3,457.38	1/2	3,730.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,916.16	3/4	3,189.62	3/4	3,463.07	3/4	3,736.53	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,921.86	10	3,195.31	10	3,468.77	10	3,742.23	10		10		10		10		10		10	
1/4	2,927.55	1/4	3,201.01	1/4	3,474.47	1/4	3,747.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,933.25	1/2	3,206.71	1/2	3,480.16	1/2	3,753.62	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,938.95	3/4	3,212.40	3/4	3,485.86	3/4	3,759.32	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,944.65	11	3,218.10	11	3,491.56	11	3,765.01	11		11		11		11		11		11	
1/4	2,950.34	1/4	3,223.80	1/4	3,497.25	1/4	3,770.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,956.04	1/2	3,229.50	1/2	3,502.95	1/2	3,776.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,961.74	3/4	3,235.19	3/4	3,508.65	3/4	3,782.10	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 7/24/2019 JS
CALCULATED: 07/25/2019 CL
PRINTED: 07/26/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

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



BARGE "FMT 1402"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	0.73	0	214.82	0	459.78	0	704.50	0	949.23	0	1,194.20	0	1,439.18	0	1,684.15	0	1,929.12	0	2,174.10
1/4	1.58	1/4	219.92	1/4	464.89	1/4	709.59	1/4	954.34	1/4	1,199.31	1/4	1,444.28	1/4	1,689.25	1/4	1,934.23	1/4	2,179.20
1/2	2.43	1/2	225.03	1/2	469.99	1/2	714.68	1/2	959.44	1/2	1,204.41	1/2	1,449.38	1/2	1,694.36	1/2	1,939.33	1/2	2,184.30
3/4	3.28	3/4	230.13	3/4	475.09	3/4	719.78	3/4	964.54	3/4	1,209.52	3/4	1,454.49	3/4	1,699.46	3/4	1,944.43	3/4	2,189.41
1	4.13	1	235.23	1	480.20	1	724.87	1	969.65	1	1,214.62	1	1,459.59	1	1,704.56	1	1,949.54	1	2,194.51
1/4	6.68	1/4	240.34	1/4	485.30	1/4	729.96	1/4	974.75	1/4	1,219.72	1/4	1,464.70	1/4	1,709.67	1/4	1,954.64	1/4	2,199.61
1/2	9.23	1/2	245.44	1/2	490.40	1/2	735.05	1/2	979.85	1/2	1,224.83	1/2	1,469.80	1/2	1,714.77	1/2	1,959.74	1/2	2,204.72
3/4	11.78	3/4	250.54	3/4	495.51	3/4	740.14	3/4	984.96	3/4	1,229.93	3/4	1,474.90	3/4	1,719.88	3/4	1,964.85	3/4	2,209.82
2	14.33	2	255.65	2	500.61	2	745.23	2	990.06	2	1,235.03	2	1,480.01	2	1,724.98	2	1,969.95	2	2,214.92
1/4	18.58	1/4	260.75	1/4	505.71	1/4	750.32	1/4	995.16	1/4	1,240.14	1/4	1,485.11	1/4	1,730.08	1/4	1,975.06	1/4	2,220.03
1/2	22.83	1/2	265.85	1/2	510.82	1/2	755.41	1/2	1,000.27	1/2	1,245.24	1/2	1,490.21	1/2	1,735.19	1/2	1,980.16	1/2	2,225.13
3/4	27.08	3/4	270.96	3/4	515.92	3/4	760.50	3/4	1,005.37	3/4	1,250.34	3/4	1,495.32	3/4	1,740.29	3/4	1,985.26	3/4	2,230.24
3	31.33	3	276.06	3	521.02	3	765.59	3	1,010.48	3	1,255.45	3	1,500.42	3	1,745.39	3	1,990.37	3	2,235.34
1/4	36.39	1/4	281.16	1/4	526.13	1/4	770.68	1/4	1,015.58	1/4	1,260.55	1/4	1,505.52	1/4	1,750.50	1/4	1,995.47	1/4	2,240.44
1/2	41.45	1/2	286.27	1/2	531.23	1/2	775.77	1/2	1,020.68	1/2	1,265.66	1/2	1,510.63	1/2	1,755.60	1/2	2,000.57	1/2	2,245.55
3/4	46.51	3/4	291.37	3/4	536.33	3/4	780.86	3/4	1,025.79	3/4	1,270.76	3/4	1,515.73	3/4	1,760.70	3/4	2,005.68	3/4	2,250.65
4	51.57	4	296.47	4	541.44	4	785.95	4	1,030.89	4	1,275.86	4	1,520.84	4	1,765.81	4	2,010.78	4	2,255.75
1/4	56.66	1/4	301.58	1/4	546.54	1/4	791.05	1/4	1,035.99	1/4	1,280.97	1/4	1,525.94	1/4	1,770.91	1/4	2,015.88	1/4	2,260.86
1/2	61.75	1/2	306.68	1/2	551.64	1/2	796.14	1/2	1,041.10	1/2	1,286.07	1/2	1,531.04	1/2	1,776.02	1/2	2,020.99	1/2	2,265.96
3/4	66.84	3/4	311.78	3/4	556.75	3/4	801.24	3/4	1,046.20	3/4	1,291.17	3/4	1,536.15	3/4	1,781.12	3/4	2,026.09	3/4	2,271.06
5	71.93	5	316.89	5	561.85	5	806.33	5	1,051.30	5	1,296.28	5	1,541.25	5	1,786.22	5	2,031.20	5	2,276.17
1/4	77.03	1/4	321.99	1/4	566.95	1/4	811.43	1/4	1,056.41	1/4	1,301.38	1/4	1,546.35	1/4	1,791.33	1/4	2,036.30	1/4	2,281.27
1/2	82.13	1/2	327.09	1/2	572.06	1/2	816.54	1/2	1,061.51	1/2	1,306.48	1/2	1,551.46	1/2	1,796.43	1/2	2,041.40	1/2	2,286.38
3/4	87.24	3/4	332.20	3/4	577.16	3/4	821.64	3/4	1,066.61	3/4	1,311.59	3/4	1,556.56	3/4	1,801.53	3/4	2,046.51	3/4	2,291.48
6	92.34	6	337.30	6	582.26	6	826.75	6	1,071.72	6	1,316.69	6	1,561.66	6	1,806.64	6	2,051.61	6	2,296.58
1/4	97.44	1/4	342.40	1/4	587.37	1/4	831.85	1/4	1,076.82	1/4	1,321.79	1/4	1,566.77	1/4	1,811.74	1/4	2,056.71	1/4	2,301.69
1/2	102.54	1/2	347.51	1/2	592.47	1/2	836.95	1/2	1,081.93	1/2	1,326.90	1/2	1,571.87	1/2	1,816.84	1/2	2,061.82	1/2	2,306.79
3/4	107.65	3/4	352.61	3/4	597.57	3/4	842.06	3/4	1,087.03	3/4	1,332.00	3/4	1,576.97	3/4	1,821.95	3/4	2,066.92	3/4	2,311.89
7	112.75	7	357.71	7	602.68	7	847.16	7	1,092.13	7	1,337.11	7	1,582.08	7	1,827.05	7	2,072.02	7	2,317.00
1/4	117.85	1/4	362.82	1/4	607.77	1/4	852.26	1/4	1,097.24	1/4	1,342.21	1/4	1,587.18	1/4	1,832.15	1/4	2,077.13	1/4	2,322.10
1/2	122.96	1/2	367.92	1/2	612.87	1/2	857.37	1/2	1,102.34	1/2	1,347.31	1/2	1,592.29	1/2	1,837.26	1/2	2,082.23	1/2	2,327.20
3/4	128.06	3/4	373.02	3/4	617.96	3/4	862.47	3/4	1,107.44	3/4	1,352.42	3/4	1,597.39	3/4	1,842.36	3/4	2,087.33	3/4	2,332.31
8	133.16	8	378.13	8	623.06	8	867.57	8	1,112.55	8	1,357.52	8	1,602.49	8	1,847.47	8	2,092.44	8	2,337.41
1/4	138.27	1/4	383.23	1/4	628.15	1/4	872.68	1/4	1,117.65	1/4	1,362.62	1/4	1,607.60	1/4	1,852.57	1/4	2,097.54	1/4	2,342.51
1/2	143.37	1/2	388.33	1/2	633.24	1/2	877.78	1/2	1,122.75	1/2	1,367.73	1/2	1,612.70	1/2	1,857.67	1/2	2,102.65	1/2	2,347.62
3/4	148.47	3/4	393.44	3/4	638.33	3/4	882.89	3/4	1,127.86	3/4	1,372.83	3/4	1,617.80	3/4	1,862.78	3/4	2,107.75	3/4	2,352.72
9	153.58	9	398.54	9	643.42	9	887.99	9	1,132.96	9	1,377.93	9	1,622.91	9	1,867.88	9	2,112.85	9	2,357.83
1/4	158.68	1/4	403.64	1/4	648.51	1/4	893.09	1/4	1,138.07	1/4	1,383.04	1/4	1,628.01	1/4	1,872.98	1/4	2,117.96	1/4	2,362.93
1/2	163.79	1/2	408.75	1/2	653.60	1/2	898.20	1/2	1,143.17	1/2	1,388.14	1/2	1,633.11	1/2	1,878.09	1/2	2,123.06	1/2	2,368.03
3/4	168.89	3/4	413.85	3/4	658.69	3/4	903.30	3/4	1,148.27	3/4	1,393.25	3/4	1,638.22	3/4	1,883.19	3/4	2,128.16	3/4	2,373.14
10	173.99	10	418.96	10	663.78	10	908.40	10	1,153.38	10	1,398.35	10	1,643.32	10	1,888.29	10	2,133.27	10	2,378.24
1/4	179.10	1/4	424.06	1/4	668.87	1/4	913.51	1/4	1,158.48	1/4	1,403.45	1/4	1,648.43	1/4	1,893.40	1/4	2,138.37	1/4	2,383.34
1/2	184.20	1/2	429.16	1/2	673.96	1/2	918.61	1/2	1,163.58	1/2	1,408.56	1/2	1,653.53	1/2	1,898.50	1/2	2,143.47	1/2	2,388.45
3/4	189.30	3/4	434.27	3/4	679.05	3/4	923.71	3/4	1,168.69	3/4	1,413.66	3/4	1,658.63	3/4	1,903.61	3/4	2,148.58	3/4	2,393.55
11	194.41	11	439.37	11	684.14	11	928.82	11	1,173.79	11	1,418.76	11	1,663.74	11	1,908.71	11	2,153.68	11	2,398.65
1/4	199.51	1/4	444.47	1/4	689.23	1/4	933.92	1/4	1,178.89	1/4	1,423.87	1/4	1,668.84	1/4	1,913.81	1/4	2,158.79	1/4	2,403.76
1/2	204.61	1/2	449.58	1/2	694.32	1/2	939.02	1/2	1,184.00	1/2	1,428.97	1/2	1,673.94	1/2	1,918.92	1/2	2,163.89	1/2	2,408.86
3/4	209.72	3/4	454.68	3/4	699.41	3/4	944.13	3/4	1,189.10	3/4	1,434.07	3/4	1,679.05	3/4	1,924.02	3/4	2,168.99	3/4	2,413.97

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 INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "FMT 1402"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	2,419.07	0	2,664.04	0	2,909.01	0	3,153.99	0	3,398.96	0		0		0		0		0	
1/4	2,424.17	1/4	2,669.15	1/4	2,914.12	1/4	3,159.09	1/4	3,404.06	1/4		1/4		1/4		1/4		1/4	
1/2	2,429.28	1/2	2,674.25	1/2	2,919.22	1/2	3,164.19	1/2	3,409.17	1/2		1/2		1/2		1/2		1/2	
3/4	2,434.38	3/4	2,679.35	3/4	2,924.33	3/4	3,169.30	3/4	3,414.27	3/4		3/4		3/4		3/4		3/4	
1	2,439.48	1	2,684.46	1	2,929.43	1	3,174.40	1	3,419.37	1		1		1		1		1	
1/4	2,444.59	1/4	2,689.56	1/4	2,934.53	1/4	3,179.51	1/4	3,424.48	1/4		1/4		1/4		1/4		1/4	
1/2	2,449.69	1/2	2,694.66	1/2	2,939.64	1/2	3,184.61	1/2	3,429.58	1/2		1/2		1/2		1/2		1/2	
3/4	2,454.79	3/4	2,699.77	3/4	2,944.74	3/4	3,189.71	3/4	3,434.69	3/4		3/4		3/4		3/4		3/4	
2	2,459.90	2	2,704.87	2	2,949.84	2	3,194.82	2	3,439.79	2		2		2		2		2	
1/4	2,465.00	1/4	2,709.97	1/4	2,954.95	1/4	3,199.92	1/4	3,444.89	1/4		1/4		1/4		1/4		1/4	
1/2	2,470.10	1/2	2,715.08	1/2	2,960.05	1/2	3,205.02	1/2	3,449.99	1/2		1/2		1/2		1/2		1/2	
3/4	2,475.21	3/4	2,720.18	3/4	2,965.15	3/4	3,210.13	3/4	3,455.10	3/4		3/4		3/4		3/4		3/4	
3	2,480.31	3	2,725.28	3	2,970.26	3	3,215.23	3	3,460.20	3		3		3		3		3	
1/4	2,485.42	1/4	2,730.39	1/4	2,975.36	1/4	3,220.33	1/4	3,465.29	1/4		1/4		1/4		1/4		1/4	
1/2	2,490.52	1/2	2,735.49	1/2	2,980.46	1/2	3,225.44	1/2	3,470.38	1/2		1/2		1/2		1/2		1/2	
3/4	2,495.62	3/4	2,740.60	3/4	2,985.57	3/4	3,230.54	3/4	3,475.47	3/4		3/4		3/4		3/4		3/4	
4	2,500.73	4	2,745.70	4	2,990.67	4	3,235.64	4	3,480.56	4		4		4		4		4	
1/4	2,505.83	1/4	2,750.80	1/4	2,995.78	1/4	3,240.75	1/4	3,485.62	1/4		1/4		1/4		1/4		1/4	
1/2	2,510.93	1/2	2,755.91	1/2	3,000.88	1/2	3,245.85	1/2	3,490.68	1/2		1/2		1/2		1/2		1/2	
3/4	2,516.04	3/4	2,761.01	3/4	3,005.98	3/4	3,250.96	3/4	3,495.74	3/4		3/4		3/4		3/4		3/4	
5	2,521.14	5	2,766.11	5	3,011.09	5	3,256.06	5	3,500.80	5		5		5		5		5	
1/4	2,526.24	1/4	2,771.22	1/4	3,016.19	1/4	3,261.16	1/4	3,505.05	1/4		1/4		1/4		1/4		1/4	
1/2	2,531.35	1/2	2,776.32	1/2	3,021.29	1/2	3,266.27	1/2	3,509.30	1/2		1/2		1/2		1/2		1/2	
3/4	2,536.45	3/4	2,781.42	3/4	3,026.40	3/4	3,271.37	3/4	3,513.55	3/4		3/4		3/4		3/4		3/4	
6	2,541.56	6	2,786.53	6	3,031.50	6	3,276.47	6	3,517.80	6		6		6		6		6	
1/4	2,546.66	1/4	2,791.63	1/4	3,036.60	1/4	3,281.58	1/4	3,520.35	1/4		1/4		1/4		1/4		1/4	
1/2	2,551.76	1/2	2,796.74	1/2	3,041.71	1/2	3,286.68	1/2	3,522.91	1/2		1/2		1/2		1/2		1/2	
3/4	2,556.87	3/4	2,801.84	3/4	3,046.81	3/4	3,291.78	3/4	3,525.46	3/4		3/4		3/4		3/4		3/4	
7	2,561.97	7	2,806.94	7	3,051.92	7	3,296.89	7	3,528.01	7		7		7		7		7	
1/4	2,567.07	1/4	2,812.05	1/4	3,057.02	1/4	3,301.99	1/4	3,528.86	1/4		1/4		1/4		1/4		1/4	
1/2	2,572.18	1/2	2,817.15	1/2	3,062.12	1/2	3,307.10	1/2	3,529.71	1/2		1/2		1/2		1/2		1/2	
3/4	2,577.28	3/4	2,822.25	3/4	3,067.23	3/4	3,312.20	3/4	3,530.55	3/4		3/4		3/4		3/4		3/4	
8	2,582.38	8	2,827.36	8	3,072.33	8	3,317.30	8	3,531.40	8		8		8		8		8	
1/4	2,587.49	1/4	2,832.46	1/4	3,077.43	1/4	3,322.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,592.59	1/2	2,837.56	1/2	3,082.54	1/2	3,327.51	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,597.69	3/4	2,842.67	3/4	3,087.64	3/4	3,332.61	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,602.80	9	2,847.77	9	3,092.74	9	3,337.72	9		9		9		9		9		9	
1/4	2,607.90	1/4	2,852.87	1/4	3,097.85	1/4	3,342.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,613.01	1/2	2,857.98	1/2	3,102.95	1/2	3,347.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,618.11	3/4	2,863.08	3/4	3,108.05	3/4	3,353.03	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,623.21	10	2,868.19	10	3,113.16	10	3,358.13	10		10		10		10		10		10	
1/4	2,628.32	1/4	2,873.29	1/4	3,118.26	1/4	3,363.23	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,633.42	1/2	2,878.39	1/2	3,123.37	1/2	3,368.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,638.52	3/4	2,883.50	3/4	3,128.47	3/4	3,373.44	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,643.63	11	2,888.60	11	3,133.57	11	3,378.55	11		11		11		11		11		11	
1/4	2,648.73	1/4	2,893.70	1/4	3,138.68	1/4	3,383.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,653.83	1/2	2,898.81	1/2	3,143.78	1/2	3,388.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,658.94	3/4	2,903.91	3/4	3,148.88	3/4	3,393.86	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 7/24/2019 JS
CALCULATED: 07/25/2019 CL
PRINTED: 07/26/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

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



BARGE: FMT 1402

ULLAGE TRIM TABLE

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

(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 00-1/2"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 1/2"

LENGTH BETWEEN DRAFT MARKS: 163'-09"

July 24, 2019



BARGE "FMT 1402"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0	3,410.59	0	3,222.14	0	3,011.77	0	2,801.39	0	2,591.29	0	2,351.34	0	2,104.76	0	1,858.30	0	1,612.28
1/4		1/4	3,409.73	1/4	3,217.76	1/4	3,007.39	1/4	2,797.01	1/4	2,586.95	1/4	2,346.20	1/4	2,099.62	1/4	1,853.18	1/4	1,607.15
1/2		1/2	3,408.88	1/2	3,213.38	1/2	3,003.00	1/2	2,792.63	1/2	2,582.60	1/2	2,341.07	1/2	2,094.49	1/2	1,848.06	1/2	1,602.02
3/4		3/4	3,408.02	3/4	3,208.99	3/4	2,998.62	3/4	2,788.25	3/4	2,578.25	3/4	2,335.94	3/4	2,089.35	3/4	1,842.94	3/4	1,596.88
1		1	3,407.16	1	3,204.61	1	2,994.24	1	2,783.86	1	2,573.90	1	2,330.81	1	2,084.21	1	1,837.82	1	1,591.75
1/4		1/4	3,404.58	1/4	3,200.23	1/4	2,989.85	1/4	2,779.48	1/4	2,569.55	1/4	2,325.67	1/4	2,079.08	1/4	1,832.70	1/4	1,586.62
1/2		1/2	3,402.01	1/2	3,195.85	1/2	2,985.47	1/2	2,775.10	1/2	2,565.20	1/2	2,320.53	1/2	2,073.94	1/2	1,827.58	1/2	1,581.49
3/4		3/4	3,399.43	3/4	3,191.46	3/4	2,981.09	3/4	2,770.71	3/4	2,560.85	3/4	2,315.40	3/4	2,068.80	3/4	1,822.46	3/4	1,576.36
2		2	3,396.86	2	3,187.08	2	2,976.71	2	2,766.33	2	2,556.51	2	2,310.26	2	2,063.66	2	1,817.34	2	1,571.22
1/4		1/4	3,392.57	1/4	3,182.70	1/4	2,972.32	1/4	2,761.95	1/4	2,551.39	1/4	2,305.12	1/4	2,058.53	1/4	1,812.22	1/4	1,566.09
1/2		1/2	3,388.28	1/2	3,178.31	1/2	2,967.94	1/2	2,757.57	1/2	2,546.27	1/2	2,299.98	1/2	2,053.39	1/2	1,807.10	1/2	1,560.96
3/4		3/4	3,383.99	3/4	3,173.93	3/4	2,963.56	3/4	2,753.18	3/4	2,541.15	3/4	2,294.85	3/4	2,048.25	3/4	1,801.97	3/4	1,555.83
3		3	3,379.70	3	3,169.55	3	2,959.17	3	2,748.80	3	2,536.04	3	2,289.71	3	2,043.11	3	1,796.85	3	1,550.69
1/4		1/4	3,375.36	1/4	3,165.17	1/4	2,954.79	1/4	2,744.42	1/4	2,530.92	1/4	2,284.57	1/4	2,037.98	1/4	1,791.73	1/4	1,545.56
1/2		1/2	3,371.02	1/2	3,160.78	1/2	2,950.41	1/2	2,740.03	1/2	2,525.80	1/2	2,279.43	1/2	2,032.84	1/2	1,786.61	1/2	1,540.43
3/4		3/4	3,366.68	3/4	3,156.40	3/4	2,946.03	3/4	2,735.65	3/4	2,520.69	3/4	2,274.30	3/4	2,027.70	3/4	1,781.49	3/4	1,535.30
4		4	3,362.34	4	3,152.02	4	2,941.64	4	2,731.27	4	2,515.57	4	2,269.16	4	2,022.56	4	1,776.37	4	1,530.16
1/4		1/4	3,357.97	1/4	3,147.63	1/4	2,937.26	1/4	2,726.89	1/4	2,510.44	1/4	2,264.02	1/4	2,017.43	1/4	1,771.25	1/4	1,525.03
1/2		1/2	3,353.60	1/2	3,143.25	1/2	2,932.88	1/2	2,722.50	1/2	2,505.31	1/2	2,258.88	1/2	2,012.29	1/2	1,766.13	1/2	1,519.90
3/4		3/4	3,349.23	3/4	3,138.87	3/4	2,928.49	3/4	2,718.12	3/4	2,500.17	3/4	2,253.75	3/4	2,007.15	3/4	1,761.01	3/4	1,514.77
5		5	3,344.86	5	3,134.49	5	2,924.11	5	2,713.74	5	2,495.04	5	2,248.61	5	2,002.01	5	1,755.89	5	1,509.63
1/4		1/4	3,340.48	1/4	3,130.10	1/4	2,919.73	1/4	2,709.35	1/4	2,489.91	1/4	2,243.47	1/4	1,996.88	1/4	1,750.77	1/4	1,504.50
1/2		1/2	3,336.10	1/2	3,125.72	1/2	2,915.35	1/2	2,704.97	1/2	2,484.78	1/2	2,238.33	1/2	1,991.74	1/2	1,745.65	1/2	1,499.37
3/4		3/4	3,331.71	3/4	3,121.34	3/4	2,910.96	3/4	2,700.59	3/4	2,479.64	3/4	2,233.20	3/4	1,986.60	3/4	1,740.53	3/4	1,494.24
6		6	3,327.33	6	3,116.96	6	2,906.58	6	2,696.21	6	2,474.51	6	2,228.06	6	1,981.46	6	1,735.41	6	1,489.10
1/4		1/4	3,322.95	1/4	3,112.57	1/4	2,902.20	1/4	2,691.82	1/4	2,469.38	1/4	2,222.92	1/4	1,976.33	1/4	1,730.29	1/4	1,483.97
1/2		1/2	3,318.56	1/2	3,108.19	1/2	2,897.82	1/2	2,687.44	1/2	2,464.25	1/2	2,217.78	1/2	1,971.19	1/2	1,725.17	1/2	1,478.83
3/4		3/4	3,314.18	3/4	3,103.81	3/4	2,893.43	3/4	2,683.06	3/4	2,459.12	3/4	2,212.65	3/4	1,966.05	3/4	1,720.05	3/4	1,473.70
7		7	3,309.80	7	3,099.42	7	2,889.05	7	2,678.68	7	2,453.98	7	2,207.51	7	1,960.91	7	1,714.92	7	1,468.56
1/4		1/4	3,305.42	1/4	3,095.04	1/4	2,884.67	1/4	2,674.29	1/4	2,448.85	1/4	2,202.37	1/4	1,955.78	1/4	1,709.80	1/4	1,463.42
1/2		1/2	3,301.03	1/2	3,090.66	1/2	2,880.28	1/2	2,669.91	1/2	2,443.72	1/2	2,197.24	1/2	1,950.64	1/2	1,704.68	1/2	1,458.29
3/4		3/4	3,296.65	3/4	3,086.28	3/4	2,875.90	3/4	2,665.53	3/4	2,438.59	3/4	2,192.10	3/4	1,945.50	3/4	1,699.56	3/4	1,453.15
8		8	3,292.27	8	3,081.89	8	2,871.52	8	2,661.14	8	2,433.45	8	2,186.96	8	1,940.37	8	1,694.44	8	1,448.02
1/4		1/4	3,287.88	1/4	3,077.51	1/4	2,867.14	1/4	2,656.76	1/4	2,428.32	1/4	2,181.82	1/4	1,935.23	1/4	1,689.31	1/4	1,442.88
1/2		1/2	3,283.50	1/2	3,073.13	1/2	2,862.75	1/2	2,652.38	1/2	2,423.19	1/2	2,176.69	1/2	1,930.09	1/2	1,684.17	1/2	1,437.74
3/4		3/4	3,279.12	3/4	3,068.74	3/4	2,858.37	3/4	2,648.00	3/4	2,418.06	3/4	2,171.55	3/4	1,924.95	3/4	1,679.04	3/4	1,432.61
9		9	3,274.74	9	3,064.36	9	2,853.99	9	2,643.61	9	2,412.92	9	2,166.41	9	1,919.82	9	1,673.90	9	1,427.47
1/4		1/4	3,270.35	1/4	3,059.98	1/4	2,849.60	1/4	2,639.23	1/4	2,407.79	1/4	2,161.27	1/4	1,914.68	1/4	1,668.77	1/4	1,422.34
1/2		1/2	3,265.97	1/2	3,055.60	1/2	2,845.22	1/2	2,634.85	1/2	2,402.66	1/2	2,156.14	1/2	1,909.54	1/2	1,663.63	1/2	1,417.20
3/4		3/4	3,261.59	3/4	3,051.21	3/4	2,840.84	3/4	2,630.46	3/4	2,397.53	3/4	2,151.00	3/4	1,904.40	3/4	1,658.50	3/4	1,412.06
10		10	3,257.20	10	3,046.83	10	2,836.46	10	2,626.08	10	2,392.40	10	2,145.86	10	1,899.27	10	1,653.36	10	1,406.93
1/4		1/4	3,252.82	1/4	3,042.45	1/4	2,832.07	1/4	2,621.73	1/4	2,387.26	1/4	2,140.72	1/4	1,894.15	1/4	1,648.23	1/4	1,401.79
1/2		1/2	3,248.44	1/2	3,038.06	1/2	2,827.69	1/2	2,617.38	1/2	2,382.13	1/2	2,135.59	1/2	1,889.02	1/2	1,643.09	1/2	1,396.66
3/4		3/4	3,244.06	3/4	3,033.68	3/4	2,823.31	3/4	2,613.04	3/4	2,377.00	3/4	2,130.45	3/4	1,883.90	3/4	1,637.96	3/4	1,391.52
11		11	3,239.67	11	3,029.30	11	2,818.92	11	2,608.69	11	2,371.87	11	2,125.31	11	1,878.78	11	1,632.82	11	1,386.38
1/4		1/4	3,235.29	1/4	3,024.92	1/4	2,814.54	1/4	2,604.34	1/4	2,366.73	1/4	2,120.17	1/4	1,873.66	1/4	1,627.69	1/4	1,381.25
1/2		1/2	3,230.91	1/2	3,020.53	1/2	2,810.16	1/2	2,599.99	1/2	2,361.60	1/2	2,115.04	1/2	1,868.54	1/2	1,622.55	1/2	1,376.11
3/4		3/4	3,226.53	3/4	3,016.15	3/4	2,805.78	3/4	2,595.64	3/4	2,356.47	3/4	2,109.90	3/4	1,863.42	3/4	1,617.42	3/4	1,370.98

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 TOP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 23'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "FMT 1402"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

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	1,365.84	0	1,119.31	0	872.78	0	631.60	0	385.02	0	137.74	0		0		0		0	
1/4	1,360.70	1/4	1,114.18	1/4	867.65	1/4	626.61	1/4	379.87	1/4	132.59	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,355.57	1/2	1,109.04	1/2	862.51	1/2	621.61	1/2	374.72	1/2	127.44	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,350.43	3/4	1,103.90	3/4	857.38	3/4	616.62	3/4	369.56	3/4	122.28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,345.30	1	1,098.77	1	852.24	1	611.62	1	364.41	1	117.13	1	1	1	1	1	1	1	1
1/4	1,340.16	1/4	1,093.63	1/4	847.10	1/4	606.48	1/4	359.26	1/4	111.98	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,335.02	1/2	1,088.50	1/2	841.97	1/2	601.34	1/2	354.11	1/2	106.83	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,329.89	3/4	1,083.36	3/4	836.83	3/4	596.19	3/4	348.96	3/4	101.68	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,324.75	2	1,078.22	2	831.70	2	591.05	2	343.81	2	96.53	2	2	2	2	2	2	2	2
1/4	1,319.62	1/4	1,073.09	1/4	826.56	1/4	585.91	1/4	338.65	1/4	91.38	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,314.48	1/2	1,067.95	1/2	821.42	1/2	580.76	1/2	333.50	1/2	86.23	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,309.34	3/4	1,062.82	3/4	816.29	3/4	575.62	3/4	328.35	3/4	81.08	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,304.21	3	1,057.68	3	811.15	3	570.48	3	323.20	3	75.93	3	3	3	3	3	3	3	3
1/4	1,299.07	1/4	1,052.54	1/4	806.15	1/4	565.32	1/4	318.05	1/4	70.79	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,293.94	1/2	1,047.41	1/2	801.14	1/2	560.17	1/2	312.90	1/2	65.65	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,288.80	3/4	1,042.27	3/4	796.13	3/4	555.02	3/4	307.74	3/4	60.51	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,283.66	4	1,037.14	4	791.13	4	549.87	4	302.59	4	55.37	4	4	4	4	4	4	4	4
1/4	1,278.53	1/4	1,032.00	1/4	786.12	1/4	544.72	1/4	297.44	1/4	50.26	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,273.39	1/2	1,026.86	1/2	781.12	1/2	539.57	1/2	292.29	1/2	45.16	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,268.26	3/4	1,021.73	3/4	776.12	3/4	534.41	3/4	287.14	3/4	40.05	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,263.12	5	1,016.59	5	771.11	5	529.26	5	281.99	5	34.94	5	5	5	5	5	5	5	5
1/4	1,257.98	1/4	1,011.46	1/4	766.13	1/4	524.11	1/4	276.83	1/4	30.65	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,252.85	1/2	1,006.32	1/2	761.15	1/2	518.96	1/2	271.68	1/2	26.36	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,247.71	3/4	1,001.18	3/4	756.17	3/4	513.81	3/4	266.53	3/4	22.07	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,242.58	6	996.05	6	751.19	6	508.66	6	261.38	6	17.78	6	6	6	6	6	6	6	6
1/4	1,237.44	1/4	990.91	1/4	746.21	1/4	503.51	1/4	256.23	1/4	15.20	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,232.30	1/2	985.78	1/2	741.23	1/2	498.35	1/2	251.08	1/2	12.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,227.17	3/4	980.64	3/4	736.25	3/4	493.20	3/4	245.93	3/4	10.05	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,222.03	7	975.50	7	731.27	7	488.05	7	240.77	7	7.48	7	7	7	7	7	7	7	7
1/4	1,216.90	1/4	970.37	1/4	726.29	1/4	482.90	1/4	235.62	1/4	6.62	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,211.76	1/2	965.23	1/2	721.31	1/2	477.75	1/2	230.47	1/2	5.76	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,206.62	3/4	960.10	3/4	716.32	3/4	472.60	3/4	225.32	3/4	4.91	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,201.49	8	954.96	8	711.34	8	467.44	8	220.17	8	4.05	8	8	8	8	8	8	8	8
1/4	1,196.35	1/4	949.82	1/4	706.36	1/4	462.29	1/4	215.02	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,191.22	1/2	944.69	1/2	701.38	1/2	457.14	1/2	209.86	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,186.08	3/4	939.55	3/4	696.40	3/4	451.99	3/4	204.71	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,180.94	9	934.42	9	691.42	9	446.84	9	199.56	9		9	9	9	9	9	9	9	9
1/4	1,175.81	1/4	929.28	1/4	686.44	1/4	441.69	1/4	194.41	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,170.67	1/2	924.14	1/2	681.46	1/2	436.53	1/2	189.26	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,165.54	3/4	919.01	3/4	676.48	3/4	431.38	3/4	184.10	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,160.40	10	913.87	10	671.50	10	426.23	10	178.95	10		10	10	10	10	10	10	10	10
1/4	1,155.26	1/4	908.74	1/4	666.52	1/4	421.08	1/4	173.80	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,150.13	1/2	903.60	1/2	661.54	1/2	415.93	1/2	168.65	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,144.99	3/4	898.46	3/4	656.56	3/4	410.78	3/4	163.50	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,139.86	11	893.33	11	651.57	11	405.62	11	158.35	11		11	11	11	11	11	11	11	11
1/4	1,134.72	1/4	888.19	1/4	646.58	1/4	400.47	1/4	153.19	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,129.58	1/2	883.06	1/2	641.59	1/2	395.32	1/2	148.04	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,124.45	3/4	877.92	3/4	636.60	3/4	390.17	3/4	142.89	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 7/24/2019 JS
CALCULATED: 07/25/2019 CL
PRINTED: 07/26/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

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



BARGE "FMT 1402"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	3,708.04	0	3,434.58	0	3,161.13	0	2,887.67	0	2,614.22	0	2,340.76	0	2,067.30	0	1,793.85
1/4		1/4		1/4	3,702.34	1/4	3,428.89	1/4	3,155.43	1/4	2,881.98	1/4	2,608.52	1/4	2,335.06	1/4	2,061.61	1/4	1,788.15
1/2		1/2	3,935.64	1/2	3,696.65	1/2	3,423.19	1/2	3,149.73	1/2	2,876.28	1/2	2,602.82	1/2	2,329.37	1/2	2,055.91	1/2	1,782.45
3/4		3/4	3,934.69	3/4	3,690.95	3/4	3,417.49	3/4	3,144.04	3/4	2,870.58	3/4	2,597.13	3/4	2,323.67	3/4	2,050.21	3/4	1,776.76
1	1	1	3,933.74	1	3,685.25	1	3,411.80	1	3,138.34	1	2,864.88	1	2,591.43	1	2,317.97	1	2,044.52	1	1,771.06
1/4	1/4	1/4	3,932.80	1/4	3,679.56	1/4	3,406.10	1/4	3,132.64	1/4	2,859.19	1/4	2,585.73	1/4	2,312.28	1/4	2,038.82	1/4	1,765.36
1/2	1/2	1/2	3,931.85	1/2	3,673.86	1/2	3,400.40	1/2	3,126.95	1/2	2,853.49	1/2	2,580.03	1/2	2,306.58	1/2	2,033.12	1/2	1,759.67
3/4	3/4	3/4	3,929.00	3/4	3,668.16	3/4	3,394.71	3/4	3,121.25	3/4	2,847.79	3/4	2,574.34	3/4	2,300.88	3/4	2,027.43	3/4	1,753.97
2	2	2	3,926.15	2	3,662.46	2	3,389.01	2	3,115.55	2	2,842.10	2	2,568.64	2	2,295.18	2	2,021.73	2	1,748.27
1/4	1/4	1/4	3,923.30	1/4	3,656.77	1/4	3,383.31	1/4	3,109.86	1/4	2,836.40	1/4	2,562.94	1/4	2,289.49	1/4	2,016.03	1/4	1,742.58
1/2	1/2	1/2	3,920.46	1/2	3,651.07	1/2	3,377.61	1/2	3,104.16	1/2	2,830.70	1/2	2,557.25	1/2	2,283.79	1/2	2,010.33	1/2	1,736.88
3/4	3/4	3/4	3,915.71	3/4	3,645.37	3/4	3,371.92	3/4	3,098.46	3/4	2,825.01	3/4	2,551.55	3/4	2,278.09	3/4	2,004.64	3/4	1,731.18
3	3	3	3,910.97	3	3,639.68	3	3,366.22	3	3,092.76	3	2,819.31	3	2,545.85	3	2,272.40	3	1,998.94	3	1,725.48
1/4	1/4	1/4	3,906.22	1/4	3,633.98	1/4	3,360.52	1/4	3,087.07	1/4	2,813.61	1/4	2,540.16	1/4	2,266.70	1/4	1,993.24	1/4	1,719.79
1/2	1/2	1/2	3,901.48	1/2	3,628.28	1/2	3,354.83	1/2	3,081.37	1/2	2,807.91	1/2	2,534.46	1/2	2,261.00	1/2	1,987.55	1/2	1,714.09
3/4	3/4	3/4	3,895.83	3/4	3,622.59	3/4	3,349.13	3/4	3,075.67	3/4	2,802.22	3/4	2,528.76	3/4	2,255.31	3/4	1,981.85	3/4	1,708.39
4	4	4	3,890.18	4	3,616.89	4	3,343.43	4	3,069.98	4	2,796.52	4	2,523.06	4	2,249.61	4	1,976.15	4	1,702.70
1/4	1/4	1/4	3,884.53	1/4	3,611.19	1/4	3,337.74	1/4	3,064.28	1/4	2,790.82	1/4	2,517.37	1/4	2,243.91	1/4	1,970.46	1/4	1,697.00
1/2	1/2	1/2	3,878.89	1/2	3,605.49	1/2	3,332.04	1/2	3,058.58	1/2	2,785.13	1/2	2,511.67	1/2	2,238.21	1/2	1,964.76	1/2	1,691.30
3/4	3/4	3/4	3,873.20	3/4	3,599.80	3/4	3,326.34	3/4	3,052.89	3/4	2,779.43	3/4	2,505.97	3/4	2,232.52	3/4	1,959.06	3/4	1,685.61
5	5	5	3,867.52	5	3,594.10	5	3,320.64	5	3,047.19	5	2,773.73	5	2,500.28	5	2,226.82	5	1,953.36	5	1,679.91
1/4	1/4	1/4	3,861.84	1/4	3,588.40	1/4	3,314.95	1/4	3,041.49	1/4	2,768.04	1/4	2,494.58	1/4	2,221.12	1/4	1,947.67	1/4	1,674.21
1/2	1/2	1/2	3,856.16	1/2	3,582.71	1/2	3,309.25	1/2	3,035.79	1/2	2,762.34	1/2	2,488.88	1/2	2,215.43	1/2	1,941.97	1/2	1,668.51
3/4	3/4	3/4	3,850.46	3/4	3,577.01	3/4	3,303.55	3/4	3,030.10	3/4	2,756.64	3/4	2,483.19	3/4	2,209.73	3/4	1,936.27	3/4	1,662.82
6	6	6	3,844.77	6	3,571.31	6	3,297.86	6	3,024.40	6	2,750.94	6	2,477.49	6	2,204.03	6	1,930.58	6	1,657.12
1/4	1/4	1/4	3,839.07	1/4	3,565.62	1/4	3,292.16	1/4	3,018.70	1/4	2,745.25	1/4	2,471.79	1/4	2,198.34	1/4	1,924.88	1/4	1,651.42
1/2	1/2	1/2	3,833.37	1/2	3,559.92	1/2	3,286.46	1/2	3,013.01	1/2	2,739.55	1/2	2,466.09	1/2	2,192.64	1/2	1,919.18	1/2	1,645.73
3/4	3/4	3/4	3,827.68	3/4	3,554.22	3/4	3,280.77	3/4	3,007.31	3/4	2,733.85	3/4	2,460.40	3/4	2,186.94	3/4	1,913.49	3/4	1,640.03
7	7	7	3,821.98	7	3,548.52	7	3,275.07	7	3,001.61	7	2,728.16	7	2,454.70	7	2,181.24	7	1,907.79	7	1,634.33
1/4	1/4	1/4	3,816.28	1/4	3,542.83	1/4	3,269.37	1/4	2,995.92	1/4	2,722.46	1/4	2,449.00	1/4	2,175.55	1/4	1,902.09	1/4	1,628.64
1/2	1/2	1/2	3,810.59	1/2	3,537.13	1/2	3,263.67	1/2	2,990.22	1/2	2,716.76	1/2	2,443.31	1/2	2,169.85	1/2	1,896.39	1/2	1,622.94
3/4	3/4	3/4	3,804.89	3/4	3,531.43	3/4	3,257.98	3/4	2,984.52	3/4	2,711.07	3/4	2,437.61	3/4	2,164.15	3/4	1,890.70	3/4	1,617.24
8	8	8	3,799.19	8	3,525.74	8	3,252.28	8	2,978.82	8	2,705.37	8	2,431.91	8	2,158.46	8	1,885.00	8	1,611.54
1/4	1/4	1/4	3,793.50	1/4	3,520.04	1/4	3,246.58	1/4	2,973.13	1/4	2,699.67	1/4	2,426.22	1/4	2,152.76	1/4	1,879.30	1/4	1,605.85
1/2	1/2	1/2	3,787.80	1/2	3,514.34	1/2	3,240.89	1/2	2,967.43	1/2	2,693.97	1/2	2,420.52	1/2	2,147.06	1/2	1,873.61	1/2	1,600.15
3/4	3/4	3/4	3,782.10	3/4	3,508.65	3/4	3,235.19	3/4	2,961.73	3/4	2,688.28	3/4	2,414.82	3/4	2,141.37	3/4	1,867.91	3/4	1,594.45
9	9	9	3,776.40	9	3,502.95	9	3,229.49	9	2,956.04	9	2,682.58	9	2,409.12	9	2,135.67	9	1,862.21	9	1,588.76
1/4	1/4	1/4	3,770.71	1/4	3,497.25	1/4	3,223.80	1/4	2,950.34	1/4	2,676.88	1/4	2,403.43	1/4	2,129.97	1/4	1,856.52	1/4	1,583.06
1/2	1/2	1/2	3,765.01	1/2	3,491.55	1/2	3,218.10	1/2	2,944.64	1/2	2,671.19	1/2	2,397.73	1/2	2,124.27	1/2	1,850.82	1/2	1,577.36
3/4	3/4	3/4	3,759.31	3/4	3,485.86	3/4	3,212.40	3/4	2,938.95	3/4	2,665.49	3/4	2,392.03	3/4	2,118.58	3/4	1,845.12	3/4	1,571.67
10	10	10	3,753.62	10	3,480.16	10	3,206.70	10	2,933.25	10	2,659.79	10	2,386.34	10	2,112.88	10	1,839.42	10	1,565.97
1/4	1/4	1/4	3,747.92	1/4	3,474.46	1/4	3,201.01	1/4	2,927.55	1/4	2,654.10	1/4	2,380.64	1/4	2,107.18	1/4	1,833.73	1/4	1,560.27
1/2	1/2	1/2	3,742.22	1/2	3,468.77	1/2	3,195.31	1/2	2,921.85	1/2	2,648.40	1/2	2,374.94	1/2	2,101.49	1/2	1,828.03	1/2	1,554.57
3/4	3/4	3/4	3,736.53	3/4	3,463.07	3/4	3,189.61	3/4	2,916.16	3/4	2,642.70	3/4	2,369.25	3/4	2,095.79	3/4	1,822.33	3/4	1,548.88
11	11	11	3,730.83	11	3,457.37	11	3,183.92	11	2,910.46	11	2,637.00	11	2,363.55	11	2,090.09	11	1,816.64	11	1,543.18
1/4	1/4	1/4	3,725.13	1/4	3,451.68	1/4	3,178.22	1/4	2,904.76	1/4	2,631.31	1/4	2,357.85	1/4	2,084.40	1/4	1,810.94	1/4	1,537.48
1/2	1/2	1/2	3,719.43	1/2	3,445.98	1/2	3,172.52	1/2	2,899.07	1/2	2,625.61	1/2	2,352.15	1/2	2,078.70	1/2	1,805.24	1/2	1,531.79
3/4	3/4	3/4	3,713.74	3/4	3,440.28	3/4	3,166.83	3/4	2,893.37	3/4	2,619.91	3/4	2,346.46	3/4	2,073.00	3/4	1,799.55	3/4	1,526.09

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 TOP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 30'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "FMT 1402"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	1,520.39	0	1,246.94	0	973.48	0	705.84	0	433.40	0	159.95	0		0		0		0	
1/4	1,514.70	1/4	1,241.24	1/4	967.78	1/4	700.31	1/4	427.70	1/4	154.26	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,509.00	1/2	1,235.54	1/2	962.09	1/2	694.79	1/2	422.01	1/2	148.56	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,503.30	3/4	1,229.85	3/4	956.39	3/4	689.26	3/4	416.31	3/4	142.86	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,497.60	1	1,224.15	1	950.69	1	683.73	1	410.61	1	137.17	1	1	1	1	1	1	1	1
1/4	1,491.91	1/4	1,218.45	1/4	945.00	1/4	678.20	1/4	404.92	1/4	131.47	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,486.21	1/2	1,212.75	1/2	939.30	1/2	672.67	1/2	399.22	1/2	125.77	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,480.51	3/4	1,207.06	3/4	933.60	3/4	666.97	3/4	393.52	3/4	120.08	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,474.82	2	1,201.36	2	927.90	2	661.27	2	387.83	2	114.38	2	2	2	2	2	2	2	2
1/4	1,469.12	1/4	1,195.66	1/4	922.21	1/4	655.58	1/4	382.13	1/4	108.68	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,463.42	1/2	1,189.97	1/2	916.51	1/2	649.88	1/2	376.43	1/2	102.99	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,457.73	3/4	1,184.27	3/4	910.81	3/4	644.18	3/4	370.74	3/4	97.29	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,452.03	3	1,178.57	3	905.12	3	638.49	3	365.04	3	91.60	3	3	3	3	3	3	3	3
1/4	1,446.33	1/4	1,172.88	1/4	899.42	1/4	632.79	1/4	359.34	1/4	85.90	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,440.63	1/2	1,167.18	1/2	893.72	1/2	627.09	1/2	353.65	1/2	80.21	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,434.94	3/4	1,161.48	3/4	888.19	3/4	621.39	3/4	347.95	3/4	74.52	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,429.24	4	1,155.78	4	882.66	4	615.70	4	342.25	4	68.84	4	4	4	4	4	4	4	4
1/4	1,423.54	1/4	1,150.09	1/4	877.13	1/4	610.00	1/4	336.55	1/4	63.16	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,417.85	1/2	1,144.39	1/2	871.60	1/2	604.30	1/2	330.86	1/2	57.48	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,412.15	3/4	1,138.69	3/4	866.08	3/4	598.61	3/4	325.16	3/4	51.83	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,406.45	5	1,133.00	5	860.55	5	592.91	5	319.46	5	46.18	5	5	5	5	5	5	5	5
1/4	1,400.76	1/4	1,127.30	1/4	855.03	1/4	587.21	1/4	313.77	1/4	40.53	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,395.06	1/2	1,121.60	1/2	849.50	1/2	581.52	1/2	308.07	1/2	34.89	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,389.36	3/4	1,115.91	3/4	843.98	3/4	575.82	3/4	302.37	3/4	30.14	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,383.66	6	1,110.21	6	838.45	6	570.12	6	296.68	6	25.40	6	6	6	6	6	6	6	6
1/4	1,377.97	1/4	1,104.51	1/4	832.92	1/4	564.43	1/4	290.98	1/4	20.65	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,372.27	1/2	1,098.81	1/2	827.40	1/2	558.73	1/2	285.28	1/2	15.91	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,366.57	3/4	1,093.12	3/4	821.87	3/4	553.03	3/4	279.59	3/4	13.06	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,360.88	7	1,087.42	7	816.35	7	547.34	7	273.89	7	10.21	7	7	7	7	7	7	7	7
1/4	1,355.18	1/4	1,081.72	1/4	810.82	1/4	541.64	1/4	268.19	1/4	7.36	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,349.48	1/2	1,076.03	1/2	805.30	1/2	535.94	1/2	262.50	1/2	4.52	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,343.79	3/4	1,070.33	3/4	799.77	3/4	530.25	3/4	256.80	3/4	3.57	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,338.09	8	1,064.63	8	794.25	8	524.55	8	251.10	8	2.62	8	8	8	8	8	8	8	8
1/4	1,332.39	1/4	1,058.94	1/4	788.72	1/4	518.85	1/4	245.41	1/4	1.67	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,326.69	1/2	1,053.24	1/2	783.19	1/2	513.16	1/2	239.71	1/2	0.73	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,321.00	3/4	1,047.54	3/4	777.67	3/4	507.46	3/4	234.01	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,315.30	9	1,041.84	9	772.14	9	501.76	9	228.32	9		9	9	9	9	9	9	9	9
1/4	1,309.60	1/4	1,036.15	1/4	766.62	1/4	496.07	1/4	222.62	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,303.91	1/2	1,030.45	1/2	761.09	1/2	490.37	1/2	216.92	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,298.21	3/4	1,024.75	3/4	755.57	3/4	484.67	3/4	211.23	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,292.51	10	1,019.06	10	750.04	10	478.97	10	205.53	10		10	10	10	10	10	10	10	10
1/4	1,286.82	1/4	1,013.36	1/4	744.52	1/4	473.28	1/4	199.83	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,281.12	1/2	1,007.66	1/2	738.99	1/2	467.58	1/2	194.13	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,275.42	3/4	1,001.97	3/4	733.47	3/4	461.88	3/4	188.44	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,269.72	11	996.27	11	727.94	11	456.19	11	182.74	11		11	11	11	11	11	11	11	11
1/4	1,264.03	1/4	990.57	1/4	722.41	1/4	450.49	1/4	177.04	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,258.33	1/2	984.87	1/2	716.89	1/2	444.79	1/2	171.35	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,252.63	3/4	979.18	3/4	711.36	3/4	439.10	3/4	165.65	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 7/24/2019 JS
CALCULATED: 07/25/2019 CL
PRINTED: 07/26/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

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



BARGE "FMT 1402"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4	3,531.40	1/4	3,317.30	1/4	3,072.33	1/4	2,827.35	1/4	2,582.38	1/4	2,337.41	1/4	2,092.43	1/4	1,847.46	1/4	1,602.49
1/2		1/2	3,530.55	1/2	3,312.19	1/2	3,067.22	1/2	2,822.25	1/2	2,577.28	1/2	2,332.30	1/2	2,087.33	1/2	1,842.36	1/2	1,597.38
3/4		3/4	3,529.70	3/4	3,307.09	3/4	3,062.12	3/4	2,817.15	3/4	2,572.17	3/4	2,327.20	3/4	2,082.23	3/4	1,837.25	3/4	1,592.28
1	1	1	3,528.85	1	3,301.99	1	3,057.01	1	2,812.04	1	2,567.07	1	2,322.10	1	2,077.12	1	1,832.15	1	1,587.18
1/4		1/4	3,528.00	1/4	3,296.88	1/4	3,051.91	1/4	2,806.94	1/4	2,561.97	1/4	2,316.99	1/4	2,072.02	1/4	1,827.05	1/4	1,582.07
1/2		1/2	3,525.45	1/2	3,291.78	1/2	3,046.81	1/2	2,801.83	1/2	2,556.86	1/2	2,311.89	1/2	2,066.92	1/2	1,821.94	1/2	1,576.97
3/4		3/4	3,522.90	3/4	3,286.68	3/4	3,041.70	3/4	2,796.73	3/4	2,551.76	3/4	2,306.79	3/4	2,061.81	3/4	1,816.84	3/4	1,571.87
2	2	2	3,520.35	2	3,281.57	2	3,036.60	2	2,791.63	2	2,546.65	2	2,301.68	2	2,056.71	2	1,811.74	2	1,566.76
1/4		1/4	3,517.80	1/4	3,276.47	1/4	3,031.50	1/4	2,786.52	1/4	2,541.55	1/4	2,296.58	1/4	2,051.61	1/4	1,806.63	1/4	1,561.66
1/2		1/2	3,513.55	1/2	3,271.37	1/2	3,026.39	1/2	2,781.42	1/2	2,536.45	1/2	2,291.47	1/2	2,046.50	1/2	1,801.53	1/2	1,556.56
3/4		3/4	3,509.30	3/4	3,266.26	3/4	3,021.29	3/4	2,776.32	3/4	2,531.34	3/4	2,286.37	3/4	2,041.40	3/4	1,796.43	3/4	1,551.45
3	3	3	3,505.05	3	3,261.16	3	3,016.19	3	2,771.21	3	2,526.24	3	2,281.27	3	2,036.29	3	1,791.32	3	1,546.35
1/4		1/4	3,500.80	1/4	3,256.05	1/4	3,011.08	1/4	2,766.11	1/4	2,521.14	1/4	2,276.16	1/4	2,031.19	1/4	1,786.22	1/4	1,541.25
1/2		1/2	3,495.74	1/2	3,250.95	1/2	3,005.98	1/2	2,761.01	1/2	2,516.03	1/2	2,271.06	1/2	2,026.09	1/2	1,781.11	1/2	1,536.14
3/4		3/4	3,490.68	3/4	3,245.85	3/4	3,000.87	3/4	2,755.90	3/4	2,510.93	3/4	2,265.96	3/4	2,020.98	3/4	1,776.01	3/4	1,531.04
4	4	4	3,485.62	4	3,240.74	4	2,995.77	4	2,750.80	4	2,505.83	4	2,260.85	4	2,015.88	4	1,770.91	4	1,525.93
1/4		1/4	3,480.56	1/4	3,235.64	1/4	2,990.67	1/4	2,745.69	1/4	2,500.72	1/4	2,255.75	1/4	2,010.78	1/4	1,765.80	1/4	1,520.83
1/2		1/2	3,475.47	1/2	3,230.54	1/2	2,985.56	1/2	2,740.59	1/2	2,495.62	1/2	2,250.65	1/2	2,005.67	1/2	1,760.70	1/2	1,515.73
3/4		3/4	3,470.38	3/4	3,225.43	3/4	2,980.46	3/4	2,735.49	3/4	2,490.51	3/4	2,245.54	3/4	2,000.57	3/4	1,755.60	3/4	1,510.62
5	5	5	3,465.29	5	3,220.33	5	2,975.36	5	2,730.38	5	2,485.41	5	2,240.44	5	1,995.47	5	1,750.49	5	1,505.52
1/4		1/4	3,460.20	1/4	3,215.23	1/4	2,970.25	1/4	2,725.28	1/4	2,480.31	1/4	2,235.33	1/4	1,990.36	1/4	1,745.39	1/4	1,500.42
1/2		1/2	3,455.09	1/2	3,210.12	1/2	2,965.15	1/2	2,720.18	1/2	2,475.20	1/2	2,230.23	1/2	1,985.26	1/2	1,740.29	1/2	1,495.31
3/4		3/4	3,449.99	3/4	3,205.02	3/4	2,960.05	3/4	2,715.07	3/4	2,470.10	3/4	2,225.13	3/4	1,980.15	3/4	1,735.18	3/4	1,490.21
6	6	6	3,444.89	6	3,199.92	6	2,954.94	6	2,709.97	6	2,465.00	6	2,220.02	6	1,975.05	6	1,730.08	6	1,485.11
1/4		1/4	3,439.78	1/4	3,194.81	1/4	2,949.84	1/4	2,704.87	1/4	2,459.89	1/4	2,214.92	1/4	1,969.95	1/4	1,724.97	1/4	1,480.00
1/2		1/2	3,434.68	1/2	3,189.71	1/2	2,944.74	1/2	2,699.76	1/2	2,454.79	1/2	2,209.82	1/2	1,964.84	1/2	1,719.87	1/2	1,474.90
3/4		3/4	3,429.58	3/4	3,184.60	3/4	2,939.63	3/4	2,694.66	3/4	2,449.69	3/4	2,204.71	3/4	1,959.74	3/4	1,714.77	3/4	1,469.79
7	7	7	3,424.47	7	3,179.50	7	2,934.53	7	2,689.56	7	2,444.58	7	2,199.61	7	1,954.64	7	1,709.66	7	1,464.69
1/4		1/4	3,419.37	1/4	3,174.40	1/4	2,929.42	1/4	2,684.45	1/4	2,439.48	1/4	2,194.51	1/4	1,949.53	1/4	1,704.56	1/4	1,459.59
1/2		1/2	3,414.27	1/2	3,169.29	1/2	2,924.32	1/2	2,679.35	1/2	2,434.38	1/2	2,189.40	1/2	1,944.43	1/2	1,699.46	1/2	1,454.48
3/4		3/4	3,409.16	3/4	3,164.19	3/4	2,919.22	3/4	2,674.24	3/4	2,429.27	3/4	2,184.30	3/4	1,939.33	3/4	1,694.35	3/4	1,449.38
8	8	8	3,404.06	8	3,159.09	8	2,914.11	8	2,669.14	8	2,424.17	8	2,179.20	8	1,934.22	8	1,689.25	8	1,444.28
1/4		1/4	3,398.96	1/4	3,153.98	1/4	2,909.01	1/4	2,664.04	1/4	2,419.06	1/4	2,174.09	1/4	1,929.12	1/4	1,684.15	1/4	1,439.17
1/2		1/2	3,393.85	1/2	3,148.88	1/2	2,903.91	1/2	2,658.93	1/2	2,413.96	1/2	2,168.99	1/2	1,924.02	1/2	1,679.04	1/2	1,434.07
3/4		3/4	3,388.75	3/4	3,143.78	3/4	2,898.80	3/4	2,653.83	3/4	2,408.86	3/4	2,163.88	3/4	1,918.91	3/4	1,673.94	3/4	1,428.97
9	9	9	3,383.64	9	3,138.67	9	2,893.70	9	2,648.73	9	2,403.75	9	2,158.78	9	1,913.81	9	1,668.84	9	1,423.86
1/4		1/4	3,378.54	1/4	3,133.57	1/4	2,888.60	1/4	2,643.62	1/4	2,398.65	1/4	2,153.68	1/4	1,908.70	1/4	1,663.73	1/4	1,418.76
1/2		1/2	3,373.44	1/2	3,128.46	1/2	2,883.49	1/2	2,638.52	1/2	2,393.55	1/2	2,148.57	1/2	1,903.60	1/2	1,658.63	1/2	1,413.66
3/4		3/4	3,368.33	3/4	3,123.36	3/4	2,878.39	3/4	2,633.42	3/4	2,388.44	3/4	2,143.47	3/4	1,898.50	3/4	1,653.52	3/4	1,408.55
10	10	10	3,363.23	10	3,118.26	10	2,873.28	10	2,628.31	10	2,383.34	10	2,138.37	10	1,893.39	10	1,648.42	10	1,403.45
1/4		1/4	3,358.13	1/4	3,113.15	1/4	2,868.18	1/4	2,623.21	1/4	2,378.24	1/4	2,133.26	1/4	1,888.29	1/4	1,643.32	1/4	1,398.34
1/2		1/2	3,353.02	1/2	3,108.05	1/2	2,863.08	1/2	2,618.10	1/2	2,373.13	1/2	2,128.16	1/2	1,883.19	1/2	1,638.21	1/2	1,393.24
3/4		3/4	3,347.92	3/4	3,102.95	3/4	2,857.97	3/4	2,613.00	3/4	2,368.03	3/4	2,123.06	3/4	1,878.08	3/4	1,633.11	3/4	1,388.14
11	11	11	3,342.82	11	3,097.84	11	2,852.87	11	2,607.90	11	2,362.92	11	2,117.95	11	1,872.98	11	1,628.01	11	1,383.03
1/4		1/4	3,337.71	1/4	3,092.74	1/4	2,847.77	1/4	2,602.79	1/4	2,357.82	1/4	2,112.85	1/4	1,867.88	1/4	1,622.90	1/4	1,377.93
1/2		1/2	3,332.61	1/2	3,087.64	1/2	2,842.66	1/2	2,597.69	1/2	2,352.72	1/2	2,107.74	1/2	1,862.77	1/2	1,617.80	1/2	1,372.83
3/4		3/4	3,327.51	3/4	3,082.53	3/4	2,837.56	3/4	2,592.59	3/4	2,347.61	3/4	2,102.64	3/4	1,857.67	3/4	1,612.70	3/4	1,367.72

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 TOP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "FMT 1402"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 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	1,362.62	0	1,117.65	0	872.67	0	628.14	0	383.23	0	138.26	0		0		0		0	
1/4	1,357.52	1/4	1,112.54	1/4	867.57	1/4	623.05	1/4	378.12	1/4	133.16	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,352.41	1/2	1,107.44	1/2	862.47	1/2	617.96	1/2	373.02	1/2	128.06	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,347.31	3/4	1,102.34	3/4	857.36	3/4	612.86	3/4	367.92	3/4	122.95	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,342.20	1	1,097.23	1	852.26	1	607.77	1	362.81	1	117.85	1	1	1	1	1	1	1	1
1/4	1,337.10	1/4	1,092.13	1/4	847.16	1/4	602.67	1/4	357.71	1/4	112.75	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,332.00	1/2	1,087.02	1/2	842.05	1/2	597.57	1/2	352.61	1/2	107.64	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,326.89	3/4	1,081.92	3/4	836.95	3/4	592.47	3/4	347.50	3/4	102.54	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,321.79	2	1,076.82	2	831.84	2	587.36	2	342.40	2	97.44	2	2	2	2	2	2	2	2
1/4	1,316.69	1/4	1,071.71	1/4	826.74	1/4	582.26	1/4	337.30	1/4	92.33	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,311.58	1/2	1,066.61	1/2	821.64	1/2	577.16	1/2	332.19	1/2	87.23	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,306.48	3/4	1,061.51	3/4	816.53	3/4	572.05	3/4	327.09	3/4	82.13	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,301.38	3	1,056.40	3	811.43	3	566.95	3	321.99	3	77.03	3	3	3	3	3	3	3	3
1/4	1,296.27	1/4	1,051.30	1/4	806.33	1/4	561.85	1/4	316.88	1/4	71.93	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,291.17	1/2	1,046.20	1/2	801.23	1/2	556.74	1/2	311.78	1/2	66.84	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,286.07	3/4	1,041.09	3/4	796.14	3/4	551.64	3/4	306.68	3/4	61.74	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,280.96	4	1,035.99	4	791.04	4	546.54	4	301.57	4	56.65	4	4	4	4	4	4	4	4
1/4	1,275.86	1/4	1,030.89	1/4	785.95	1/4	541.43	1/4	296.47	1/4	51.56	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,270.75	1/2	1,025.78	1/2	780.86	1/2	536.33	1/2	291.37	1/2	46.50	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,265.65	3/4	1,020.68	3/4	775.77	3/4	531.23	3/4	286.26	3/4	41.45	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,260.55	5	1,015.57	5	770.67	5	526.12	5	281.16	5	36.39	5	5	5	5	5	5	5	5
1/4	1,255.44	1/4	1,010.47	1/4	765.58	1/4	521.02	1/4	276.06	1/4	31.33	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,250.34	1/2	1,005.37	1/2	760.49	1/2	515.92	1/2	270.95	1/2	27.08	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,245.24	3/4	1,000.26	3/4	755.40	3/4	510.81	3/4	265.85	3/4	22.83	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,240.13	6	995.16	6	750.31	6	505.71	6	260.75	6	18.58	6	6	6	6	6	6	6	6
1/4	1,235.03	1/4	990.06	1/4	745.22	1/4	500.61	1/4	255.64	1/4	14.32	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,229.93	1/2	984.95	1/2	740.13	1/2	495.50	1/2	250.54	1/2	11.77	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,224.82	3/4	979.85	3/4	735.04	3/4	490.40	3/4	245.44	3/4	9.22	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,219.72	7	974.75	7	729.95	7	485.30	7	240.33	7	6.67	7	7	7	7	7	7	7	7
1/4	1,214.61	1/4	969.64	1/4	724.86	1/4	480.19	1/4	235.23	1/4	4.12	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,209.51	1/2	964.54	1/2	719.77	1/2	475.09	1/2	230.13	1/2	3.27	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,204.41	3/4	959.43	3/4	714.68	3/4	469.98	3/4	225.02	3/4	2.42	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,199.30	8	954.33	8	709.59	8	464.88	8	219.92	8	1.57	8	8	8	8	8	8	8	8
1/4	1,194.20	1/4	949.23	1/4	704.50	1/4	459.78	1/4	214.81	1/4	0.72	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,189.10	1/2	944.12	1/2	699.41	1/2	454.67	1/2	209.71	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,183.99	3/4	939.02	3/4	694.32	3/4	449.57	3/4	204.61	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,178.89	9	933.92	9	689.23	9	444.47	9	199.50	9		9	9	9	9	9	9	9	9
1/4	1,173.79	1/4	928.81	1/4	684.14	1/4	439.36	1/4	194.40	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,168.68	1/2	923.71	1/2	679.05	1/2	434.26	1/2	189.30	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,163.58	3/4	918.61	3/4	673.96	3/4	429.16	3/4	184.19	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,158.48	10	913.50	10	668.87	10	424.05	10	179.09	10		10	10	10	10	10	10	10	10
1/4	1,153.37	1/4	908.40	1/4	663.78	1/4	418.95	1/4	173.99	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,148.27	1/2	903.30	1/2	658.69	1/2	413.85	1/2	168.88	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,143.16	3/4	898.19	3/4	653.60	3/4	408.74	3/4	163.78	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,138.06	11	893.09	11	648.51	11	403.64	11	158.68	11		11	11	11	11	11	11	11	11
1/4	1,132.96	1/4	887.98	1/4	643.41	1/4	398.54	1/4	153.57	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,127.85	1/2	882.88	1/2	638.32	1/2	393.43	1/2	148.47	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,122.75	3/4	877.78	3/4	633.23	3/4	388.33	3/4	143.37	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 7/24/2019 JS
CALCULATED: 07/25/2019 CL
PRINTED: 07/26/2019 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

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