



# BARGE "FMT 1404"

## 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)

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'

LENGTH BETWEEN DRAFT MARKS: 163'-09"

November 12, 2019

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
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# BARGE "FMT 1404"

# 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	4.07	0	220.76	0	468.69	0	713.23	0	957.49	0	1,204.68	0	1,451.86	0	1,698.93	0	1,945.51	0	2,192.76
1/4	4.92	1/4	225.92	1/4	473.85	1/4	718.23	1/4	962.64	1/4	1,209.83	1/4	1,457.01	1/4	1,704.07	1/4	1,950.66	1/4	2,197.91
1/2	5.78	1/2	231.09	1/2	479.02	1/2	723.22	1/2	967.79	1/2	1,214.97	1/2	1,462.16	1/2	1,709.20	1/2	1,955.81	1/2	2,203.06
3/4	6.64	3/4	236.25	3/4	484.18	3/4	728.21	3/4	972.94	3/4	1,220.12	3/4	1,467.31	3/4	1,714.34	3/4	1,960.96	3/4	2,208.21
1	7.50	1	241.42	1	489.35	1	733.21	1	978.09	1	1,225.27	1	1,472.45	1	1,719.47	1	1,966.11	1	2,213.36
1/4	10.09	1/4	246.58	1/4	494.51	1/4	738.20	1/4	983.24	1/4	1,230.42	1/4	1,477.60	1/4	1,724.61	1/4	1,971.27	1/4	2,218.51
1/2	12.67	1/2	251.75	1/2	499.68	1/2	743.20	1/2	988.39	1/2	1,235.57	1/2	1,482.75	1/2	1,729.74	1/2	1,976.42	1/2	2,223.66
3/4	15.25	3/4	256.91	3/4	504.84	3/4	748.19	3/4	993.54	3/4	1,240.72	3/4	1,487.90	3/4	1,734.87	3/4	1,981.57	3/4	2,228.82
2	17.83	2	262.08	2	510.01	2	753.18	2	998.69	2	1,245.87	2	1,493.05	2	1,740.01	2	1,986.72	2	2,233.97
1/4	22.13	1/4	267.24	1/4	515.17	1/4	758.18	1/4	1,003.84	1/4	1,251.02	1/4	1,498.20	1/4	1,745.14	1/4	1,991.87	1/4	2,239.12
1/2	26.44	1/2	272.41	1/2	520.34	1/2	763.17	1/2	1,008.99	1/2	1,256.17	1/2	1,503.35	1/2	1,750.28	1/2	1,997.02	1/2	2,244.27
3/4	30.74	3/4	277.57	3/4	525.50	3/4	768.17	3/4	1,014.14	3/4	1,261.32	3/4	1,508.49	3/4	1,755.41	3/4	2,002.17	3/4	2,249.42
3	35.04	3	282.74	3	530.67	3	773.16	3	1,019.29	3	1,266.47	3	1,513.64	3	1,760.55	3	2,007.32	3	2,254.57
1/4	40.16	1/4	287.90	1/4	535.83	1/4	778.18	1/4	1,024.44	1/4	1,271.62	1/4	1,518.78	1/4	1,765.68	1/4	2,012.47	1/4	2,259.72
1/2	45.28	1/2	293.07	1/2	541.00	1/2	783.19	1/2	1,029.59	1/2	1,276.77	1/2	1,523.93	1/2	1,770.81	1/2	2,017.62	1/2	2,264.87
3/4	50.40	3/4	298.23	3/4	546.16	3/4	788.21	3/4	1,034.74	3/4	1,281.92	3/4	1,529.08	3/4	1,775.95	3/4	2,022.78	3/4	2,270.02
4	55.52	4	303.40	4	551.33	4	793.23	4	1,039.89	4	1,287.07	4	1,534.22	4	1,781.08	4	2,027.93	4	2,275.17
1/4	60.67	1/4	308.56	1/4	556.49	1/4	798.25	1/4	1,045.04	1/4	1,292.22	1/4	1,539.37	1/4	1,786.22	1/4	2,033.08	1/4	2,280.33
1/2	65.83	1/2	313.73	1/2	561.66	1/2	803.27	1/2	1,050.19	1/2	1,297.37	1/2	1,544.51	1/2	1,791.35	1/2	2,038.23	1/2	2,285.48
3/4	70.98	3/4	318.89	3/4	566.82	3/4	808.29	3/4	1,055.34	3/4	1,302.52	3/4	1,549.66	3/4	1,796.48	3/4	2,043.38	3/4	2,290.63
5	76.13	5	324.06	5	571.99	5	813.31	5	1,060.49	5	1,307.67	5	1,554.81	5	1,801.62	5	2,048.53	5	2,295.78
1/4	81.29	1/4	329.22	1/4	577.15	1/4	818.46	1/4	1,065.64	1/4	1,312.82	1/4	1,559.95	1/4	1,806.75	1/4	2,053.68	1/4	2,300.93
1/2	86.46	1/2	334.39	1/2	582.30	1/2	823.61	1/2	1,070.79	1/2	1,317.97	1/2	1,565.10	1/2	1,811.89	1/2	2,058.83	1/2	2,306.08
3/4	91.62	3/4	339.56	3/4	587.46	3/4	828.75	3/4	1,075.94	3/4	1,323.12	3/4	1,570.24	3/4	1,817.02	3/4	2,063.98	3/4	2,311.23
6	96.79	6	344.72	6	592.62	6	833.90	6	1,081.09	6	1,328.27	6	1,575.39	6	1,822.16	6	2,069.13	6	2,316.38
1/4	101.95	1/4	349.89	1/4	597.78	1/4	839.05	1/4	1,086.23	1/4	1,333.42	1/4	1,580.54	1/4	1,827.29	1/4	2,074.29	1/4	2,321.53
1/2	107.12	1/2	355.05	1/2	602.93	1/2	844.20	1/2	1,091.38	1/2	1,338.57	1/2	1,585.68	1/2	1,832.42	1/2	2,079.44	1/2	2,326.68
3/4	112.28	3/4	360.22	3/4	608.09	3/4	849.35	3/4	1,096.53	3/4	1,343.71	3/4	1,590.83	3/4	1,837.56	3/4	2,084.59	3/4	2,331.84
7	117.45	7	365.38	7	613.25	7	854.50	7	1,101.68	7	1,348.86	7	1,595.97	7	1,842.69	7	2,089.74	7	2,336.99
1/4	122.61	1/4	370.55	1/4	618.26	1/4	859.65	1/4	1,106.83	1/4	1,354.01	1/4	1,601.12	1/4	1,847.83	1/4	2,094.89	1/4	2,342.13
1/2	127.78	1/2	375.71	1/2	623.27	1/2	864.80	1/2	1,111.98	1/2	1,359.16	1/2	1,606.27	1/2	1,852.96	1/2	2,100.04	1/2	2,347.28
3/4	132.94	3/4	380.88	3/4	628.27	3/4	869.95	3/4	1,117.13	3/4	1,364.31	3/4	1,611.41	3/4	1,858.09	3/4	2,105.19	3/4	2,352.42
8	138.11	8	386.04	8	633.28	8	875.10	8	1,122.28	8	1,369.46	8	1,616.56	8	1,863.23	8	2,110.34	8	2,357.57
1/4	143.27	1/4	391.21	1/4	638.29	1/4	880.25	1/4	1,127.43	1/4	1,374.61	1/4	1,621.71	1/4	1,868.36	1/4	2,115.49	1/4	2,362.72
1/2	148.44	1/2	396.37	1/2	643.29	1/2	885.40	1/2	1,132.58	1/2	1,379.76	1/2	1,626.85	1/2	1,873.50	1/2	2,120.64	1/2	2,367.86
3/4	153.60	3/4	401.54	3/4	648.30	3/4	890.55	3/4	1,137.73	3/4	1,384.91	3/4	1,632.00	3/4	1,878.63	3/4	2,125.80	3/4	2,373.01
9	158.77	9	406.70	9	653.31	9	895.70	9	1,142.88	9	1,390.06	9	1,637.15	9	1,883.77	9	2,130.95	9	2,378.15
1/4	163.94	1/4	411.87	1/4	658.30	1/4	900.85	1/4	1,148.03	1/4	1,395.21	1/4	1,642.30	1/4	1,888.90	1/4	2,136.10	1/4	2,383.30
1/2	169.10	1/2	417.03	1/2	663.29	1/2	906.00	1/2	1,153.18	1/2	1,400.36	1/2	1,647.45	1/2	1,894.03	1/2	2,141.25	1/2	2,388.45
3/4	174.27	3/4	422.20	3/4	668.29	3/4	911.15	3/4	1,158.33	3/4	1,405.51	3/4	1,652.60	3/4	1,899.17	3/4	2,146.40	3/4	2,393.59
10	179.43	10	427.36	10	673.28	10	916.30	10	1,163.48	10	1,410.66	10	1,657.75	10	1,904.30	10	2,151.55	10	2,398.74
1/4	184.60	1/4	432.53	1/4	678.28	1/4	921.45	1/4	1,168.63	1/4	1,415.81	1/4	1,662.89	1/4	1,909.45	1/4	2,156.70	1/4	2,403.88
1/2	189.76	1/2	437.69	1/2	683.27	1/2	926.60	1/2	1,173.78	1/2	1,420.96	1/2	1,668.04	1/2	1,914.60	1/2	2,161.85	1/2	2,409.03
3/4	194.93	3/4	442.86	3/4	688.26	3/4	931.75	3/4	1,178.93	3/4	1,426.11	3/4	1,673.19	3/4	1,919.76	3/4	2,167.00	3/4	2,414.18
11	200.09	11	448.02	11	693.26	11	936.90	11	1,184.08	11	1,431.26	11	1,678.34	11	1,924.91	11	2,172.15	11	2,419.32
1/4	205.26	1/4	453.19	1/4	698.25	1/4	942.05	1/4	1,189.23	1/4	1,436.41	1/4	1,683.49	1/4	1,930.06	1/4	2,177.31	1/4	2,424.47
1/2	210.42	1/2	458.35	1/2	703.24	1/2	947.20	1/2	1,194.38	1/2	1,441.56	1/2	1,688.64	1/2	1,935.21	1/2	2,182.46	1/2	2,429.61
3/4	215.59	3/4	463.52	3/4	708.24	3/4	952.35	3/4	1,199.53	3/4	1,446.71	3/4	1,693.79	3/4	1,940.36	3/4	2,187.61	3/4	2,434.76

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER "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 1404"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,439.90	0	2,668.20	0	2,879.13	0	3,090.06	0	3,300.99	0		0		0		0		0	
1/4	2,445.05	1/4	2,672.59	1/4	2,883.52	1/4	3,094.46	1/4	3,305.39	1/4		1/4		1/4		1/4		1/4	
1/2	2,450.20	1/2	2,676.99	1/2	2,887.92	1/2	3,098.85	1/2	3,309.78	1/2		1/2		1/2		1/2		1/2	
3/4	2,455.34	3/4	2,681.38	3/4	2,892.31	3/4	3,103.24	3/4	3,314.18	3/4		3/4		3/4		3/4		3/4	
1	2,460.49	1	2,685.78	1	2,896.71	1	3,107.64	1	3,318.57	1		1		1		1		1	
1/4	2,465.63	1/4	2,690.17	1/4	2,901.10	1/4	3,112.03	1/4	3,322.96	1/4		1/4		1/4		1/4		1/4	
1/2	2,470.78	1/2	2,694.56	1/2	2,905.50	1/2	3,116.43	1/2	3,327.36	1/2		1/2		1/2		1/2		1/2	
3/4	2,475.93	3/4	2,698.96	3/4	2,909.89	3/4	3,120.82	3/4	3,331.75	3/4		3/4		3/4		3/4		3/4	
2	2,481.07	2	2,703.35	2	2,914.28	2	3,125.22	2	3,336.15	2		2		2		2		2	
1/4	2,486.22	1/4	2,707.75	1/4	2,918.68	1/4	3,129.61	1/4	3,340.54	1/4		1/4		1/4		1/4		1/4	
1/2	2,491.36	1/2	2,712.14	1/2	2,923.07	1/2	3,134.00	1/2	3,344.94	1/2		1/2		1/2		1/2		1/2	
3/4	2,496.51	3/4	2,716.54	3/4	2,927.47	3/4	3,138.40	3/4	3,349.33	3/4		3/4		3/4		3/4		3/4	
3	2,501.66	3	2,720.93	3	2,931.86	3	3,142.79	3	3,353.73	3		3		3		3		3	
1/4	2,506.80	1/4	2,725.33	1/4	2,936.26	1/4	3,147.19	1/4	3,358.11	1/4		1/4		1/4		1/4		1/4	
1/2	2,511.95	1/2	2,729.72	1/2	2,940.65	1/2	3,151.58	1/2	3,362.49	1/2		1/2		1/2		1/2		1/2	
3/4	2,517.09	3/4	2,734.11	3/4	2,945.05	3/4	3,155.98	3/4	3,366.87	3/4		3/4		3/4		3/4		3/4	
4	2,522.24	4	2,738.51	4	2,949.44	4	3,160.37	4	3,371.26	4		4		4		4		4	
1/4	2,527.37	1/4	2,742.90	1/4	2,953.83	1/4	3,164.77	1/4	3,375.61	1/4		1/4		1/4		1/4		1/4	
1/2	2,532.50	1/2	2,747.30	1/2	2,958.23	1/2	3,169.16	1/2	3,379.96	1/2		1/2		1/2		1/2		1/2	
3/4	2,537.63	3/4	2,751.69	3/4	2,962.62	3/4	3,173.55	3/4	3,384.31	3/4		3/4		3/4		3/4		3/4	
5	2,542.76	5	2,756.09	5	2,967.02	5	3,177.95	5	3,388.66	5		5		5		5		5	
1/4	2,547.89	1/4	2,760.48	1/4	2,971.41	1/4	3,182.34	1/4	3,392.96	1/4		1/4		1/4		1/4		1/4	
1/2	2,553.02	1/2	2,764.88	1/2	2,975.81	1/2	3,186.74	1/2	3,397.26	1/2		1/2		1/2		1/2		1/2	
3/4	2,558.15	3/4	2,769.27	3/4	2,980.20	3/4	3,191.13	3/4	3,401.56	3/4		3/4		3/4		3/4		3/4	
6	2,563.28	6	2,773.66	6	2,984.60	6	3,195.53	6	3,405.86	6		6		6		6		6	
1/4	2,567.64	1/4	2,778.06	1/4	2,988.99	1/4	3,199.92	1/4	3,408.45	1/4		1/4		1/4		1/4		1/4	
1/2	2,572.00	1/2	2,782.45	1/2	2,993.38	1/2	3,204.32	1/2	3,411.03	1/2		1/2		1/2		1/2		1/2	
3/4	2,576.36	3/4	2,786.85	3/4	2,997.78	3/4	3,208.71	3/4	3,413.61	3/4		3/4		3/4		3/4		3/4	
7	2,580.72	7	2,791.24	7	3,002.17	7	3,213.10	7	3,416.19	7		7		7		7		7	
1/4	2,585.08	1/4	2,795.64	1/4	3,006.57	1/4	3,217.50	1/4	3,417.05	1/4		1/4		1/4		1/4		1/4	
1/2	2,589.44	1/2	2,800.03	1/2	3,010.96	1/2	3,221.89	1/2	3,417.91	1/2		1/2		1/2		1/2		1/2	
3/4	2,593.80	3/4	2,804.42	3/4	3,015.36	3/4	3,226.29	3/4	3,418.77	3/4		3/4		3/4		3/4		3/4	
8	2,598.16	8	2,808.82	8	3,019.75	8	3,230.68	8	3,419.63	8		8		8		8		8	
1/4	2,602.52	1/4	2,813.21	1/4	3,024.14	1/4	3,235.08	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,606.88	1/2	2,817.61	1/2	3,028.54	1/2	3,239.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,611.24	3/4	2,822.00	3/4	3,032.93	3/4	3,243.86	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,615.60	9	2,826.40	9	3,037.33	9	3,248.26	9		9		9		9		9		9	
1/4	2,619.96	1/4	2,830.79	1/4	3,041.72	1/4	3,252.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,624.32	1/2	2,835.19	1/2	3,046.12	1/2	3,257.05	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,628.68	3/4	2,839.58	3/4	3,050.51	3/4	3,261.44	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,633.04	10	2,843.97	10	3,054.91	10	3,265.84	10		10		10		10		10		10	
1/4	2,637.44	1/4	2,848.37	1/4	3,059.30	1/4	3,270.23	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,641.83	1/2	2,852.76	1/2	3,063.69	1/2	3,274.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,646.23	3/4	2,857.16	3/4	3,068.09	3/4	3,279.02	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,650.62	11	2,861.55	11	3,072.48	11	3,283.41	11		11		11		11		11		11	
1/4	2,655.02	1/4	2,865.95	1/4	3,076.88	1/4	3,287.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,659.41	1/2	2,870.34	1/2	3,081.27	1/2	3,292.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,663.80	3/4	2,874.74	3/4	3,085.67	3/4	3,296.60	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/12/2019 CL  
CALCULATED: 11/12/2019 CL  
PRINTED: 11/12/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2019

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



# BARGE "FMT 1404"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0.73	0	241.03	0	515.97	0	787.49	0	1,059.02	0	1,333.97	0	1,608.92	0	1,883.88	0	2,158.83	0	2,433.78
1/4	1.69	1/4	246.75	1/4	521.70	1/4	793.05	1/4	1,064.74	1/4	1,339.70	1/4	1,614.65	1/4	1,889.61	1/4	2,164.56	1/4	2,439.51
1/2	2.64	1/2	252.48	1/2	527.43	1/2	798.60	1/2	1,070.47	1/2	1,345.43	1/2	1,620.38	1/2	1,895.33	1/2	2,170.29	1/2	2,445.24
3/4	3.59	3/4	258.21	3/4	533.15	3/4	804.16	3/4	1,076.20	3/4	1,351.15	3/4	1,626.11	3/4	1,901.06	3/4	2,176.02	3/4	2,450.97
1	4.54	1	263.94	1	538.88	1	809.72	1	1,081.93	1	1,356.88	1	1,631.84	1	1,906.79	1	2,181.74	1	2,456.70
1/4	7.41	1/4	269.67	1/4	544.61	1/4	815.27	1/4	1,087.66	1/4	1,362.61	1/4	1,637.56	1/4	1,912.52	1/4	2,187.47	1/4	2,462.43
1/2	10.27	1/2	275.39	1/2	550.34	1/2	820.83	1/2	1,093.39	1/2	1,368.34	1/2	1,643.29	1/2	1,918.25	1/2	2,193.20	1/2	2,468.15
3/4	13.13	3/4	281.12	3/4	556.07	3/4	826.38	3/4	1,099.11	3/4	1,374.07	3/4	1,649.02	3/4	1,923.97	3/4	2,198.93	3/4	2,473.88
2	16.00	2	286.85	2	561.79	2	831.94	2	1,104.84	2	1,379.80	2	1,654.75	2	1,929.70	2	2,204.66	2	2,479.61
1/4	20.77	1/4	292.58	1/4	567.52	1/4	837.49	1/4	1,110.57	1/4	1,385.52	1/4	1,660.48	1/4	1,935.43	1/4	2,210.38	1/4	2,485.34
1/2	25.54	1/2	298.31	1/2	573.25	1/2	843.05	1/2	1,116.30	1/2	1,391.25	1/2	1,666.21	1/2	1,941.16	1/2	2,216.11	1/2	2,491.07
3/4	30.31	3/4	304.03	3/4	578.98	3/4	848.61	3/4	1,122.03	3/4	1,396.98	3/4	1,671.93	3/4	1,946.89	3/4	2,221.84	3/4	2,496.79
3	35.08	3	309.76	3	584.71	3	854.16	3	1,127.76	3	1,402.71	3	1,677.66	3	1,952.62	3	2,227.57	3	2,502.52
1/4	40.76	1/4	315.49	1/4	590.43	1/4	859.72	1/4	1,133.48	1/4	1,408.44	1/4	1,683.39	1/4	1,958.34	1/4	2,233.30	1/4	2,508.25
1/2	46.44	1/2	321.22	1/2	596.16	1/2	865.27	1/2	1,139.21	1/2	1,414.17	1/2	1,689.12	1/2	1,964.07	1/2	2,239.03	1/2	2,513.98
3/4	52.12	3/4	326.95	3/4	601.89	3/4	870.83	3/4	1,144.94	3/4	1,419.89	3/4	1,694.85	3/4	1,969.80	3/4	2,244.75	3/4	2,519.71
4	57.79	4	332.67	4	607.62	4	876.39	4	1,150.67	4	1,425.62	4	1,700.58	4	1,975.53	4	2,250.48	4	2,525.44
1/4	63.51	1/4	338.40	1/4	613.35	1/4	881.95	1/4	1,156.40	1/4	1,431.35	1/4	1,706.30	1/4	1,981.26	1/4	2,256.21	1/4	2,531.16
1/2	69.22	1/2	344.13	1/2	619.07	1/2	887.51	1/2	1,162.12	1/2	1,437.08	1/2	1,712.03	1/2	1,986.99	1/2	2,261.94	1/2	2,536.89
3/4	74.94	3/4	349.86	3/4	624.80	3/4	893.07	3/4	1,167.85	3/4	1,442.81	3/4	1,717.76	3/4	1,992.71	3/4	2,267.67	3/4	2,542.62
5	80.65	5	355.59	5	630.53	5	898.63	5	1,173.58	5	1,448.53	5	1,723.49	5	1,998.44	5	2,273.40	5	2,548.35
1/4	86.37	1/4	361.31	1/4	636.26	1/4	904.36	1/4	1,179.31	1/4	1,454.26	1/4	1,729.22	1/4	2,004.17	1/4	2,279.12	1/4	2,554.08
1/2	92.10	1/2	367.04	1/2	641.99	1/2	910.08	1/2	1,185.04	1/2	1,459.99	1/2	1,734.94	1/2	2,009.90	1/2	2,284.85	1/2	2,559.81
3/4	97.83	3/4	372.77	3/4	647.71	3/4	915.81	3/4	1,190.77	3/4	1,465.72	3/4	1,740.67	3/4	2,015.63	3/4	2,290.58	3/4	2,565.53
6	103.55	6	378.50	6	653.44	6	921.54	6	1,196.49	6	1,471.45	6	1,746.40	6	2,021.35	6	2,296.31	6	2,571.26
1/4	109.28	1/4	384.23	1/4	659.17	1/4	927.27	1/4	1,202.22	1/4	1,477.18	1/4	1,752.13	1/4	2,027.08	1/4	2,302.04	1/4	2,576.99
1/2	115.01	1/2	389.95	1/2	664.90	1/2	933.00	1/2	1,207.95	1/2	1,482.90	1/2	1,757.86	1/2	2,032.81	1/2	2,307.76	1/2	2,582.72
3/4	120.74	3/4	395.68	3/4	670.63	3/4	938.72	3/4	1,213.68	3/4	1,488.63	3/4	1,763.59	3/4	2,038.54	3/4	2,313.49	3/4	2,588.45
7	126.47	7	401.41	7	676.35	7	944.45	7	1,219.41	7	1,494.36	7	1,769.31	7	2,044.27	7	2,319.22	7	2,594.17
1/4	132.19	1/4	407.14	1/4	681.91	1/4	950.18	1/4	1,225.13	1/4	1,500.09	1/4	1,775.04	1/4	2,050.00	1/4	2,324.95	1/4	2,599.90
1/2	137.92	1/2	412.87	1/2	687.48	1/2	955.91	1/2	1,230.86	1/2	1,505.82	1/2	1,780.77	1/2	2,055.72	1/2	2,330.68	1/2	2,605.63
3/4	143.65	3/4	418.59	3/4	693.04	3/4	961.64	3/4	1,236.59	3/4	1,511.54	3/4	1,786.50	3/4	2,061.45	3/4	2,336.41	3/4	2,611.36
8	149.38	8	424.32	8	698.60	8	967.37	8	1,242.32	8	1,517.27	8	1,792.23	8	2,067.18	8	2,342.13	8	2,617.09
1/4	155.11	1/4	430.05	1/4	704.16	1/4	973.09	1/4	1,248.05	1/4	1,523.00	1/4	1,797.95	1/4	2,072.91	1/4	2,347.86	1/4	2,622.82
1/2	160.83	1/2	435.78	1/2	709.71	1/2	978.82	1/2	1,253.78	1/2	1,528.73	1/2	1,803.68	1/2	2,078.64	1/2	2,353.59	1/2	2,628.54
3/4	166.56	3/4	441.51	3/4	715.27	3/4	984.55	3/4	1,259.50	3/4	1,534.46	3/4	1,809.41	3/4	2,084.36	3/4	2,359.32	3/4	2,634.27
9	172.29	9	447.23	9	720.82	9	990.28	9	1,265.23	9	1,540.19	9	1,815.14	9	2,090.09	9	2,365.05	9	2,640.00
1/4	178.02	1/4	452.96	1/4	726.38	1/4	996.01	1/4	1,270.96	1/4	1,545.91	1/4	1,820.87	1/4	2,095.82	1/4	2,370.77	1/4	2,645.73
1/2	183.75	1/2	458.69	1/2	731.93	1/2	1,001.73	1/2	1,276.69	1/2	1,551.64	1/2	1,826.60	1/2	2,101.55	1/2	2,376.50	1/2	2,651.46
3/4	189.47	3/4	464.42	3/4	737.49	3/4	1,007.46	3/4	1,282.42	3/4	1,557.37	3/4	1,832.32	3/4	2,107.28	3/4	2,382.23	3/4	2,657.18
10	195.20	10	470.15	10	743.05	10	1,013.19	10	1,288.14	10	1,563.10	10	1,838.05	10	2,113.01	10	2,387.96	10	2,662.91
1/4	200.93	1/4	475.87	1/4	748.60	1/4	1,018.92	1/4	1,293.87	1/4	1,568.83	1/4	1,843.78	1/4	2,118.73	1/4	2,393.69	1/4	2,668.64
1/2	206.66	1/2	481.60	1/2	754.16	1/2	1,024.65	1/2	1,299.60	1/2	1,574.55	1/2	1,849.51	1/2	2,124.46	1/2	2,399.42	1/2	2,674.37
3/4	212.39	3/4	487.33	3/4	759.71	3/4	1,030.38	3/4	1,305.33	3/4	1,580.28	3/4	1,855.24	3/4	2,130.19	3/4	2,405.14	3/4	2,680.10
11	218.11	11	493.06	11	765.27	11	1,036.10	11	1,311.06	11	1,586.01	11	1,860.96	11	2,135.92	11	2,410.87	11	2,685.83
1/4	223.84	1/4	498.79	1/4	770.83	1/4	1,041.83	1/4	1,316.79	1/4	1,591.74	1/4	1,866.69	1/4	2,141.65	1/4	2,416.60	1/4	2,691.55
1/2	229.57	1/2	504.51	1/2	776.38	1/2	1,047.56	1/2	1,322.51	1/2	1,597.47	1/2	1,872.42	1/2	2,147.37	1/2	2,422.33	1/2	2,697.28
3/4	235.30	3/4	510.24	3/4	781.94	3/4	1,053.29	3/4	1,328.24	3/4	1,603.20	3/4	1,878.15	3/4	2,153.10	3/4	2,428.06	3/4	2,703.01

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 30'-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 1404"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,708.74	0	2,983.69	0	3,258.65	0	3,533.60	0	3,808.55	0		0		0		0		0	
1/4	2,714.47	1/4	2,989.42	1/4	3,264.37	1/4	3,539.33	1/4	3,814.28	1/4		1/4		1/4		1/4		1/4	
1/2	2,720.19	1/2	2,995.15	1/2	3,270.10	1/2	3,545.06	1/2	3,820.01	1/2		1/2		1/2		1/2		1/2	
3/4	2,725.92	3/4	3,000.88	3/4	3,275.83	3/4	3,550.78	3/4	3,825.74	3/4		3/4		3/4		3/4		3/4	
1	2,731.65	1	3,006.60	1	3,281.56	1	3,556.51	1	3,831.47	1		1		1		1		1	
1/4	2,737.38	1/4	3,012.33	1/4	3,287.29	1/4	3,562.24	1/4	3,837.19	1/4		1/4		1/4		1/4		1/4	
1/2	2,743.11	1/2	3,018.06	1/2	3,293.01	1/2	3,567.97	1/2	3,842.92	1/2		1/2		1/2		1/2		1/2	
3/4	2,748.84	3/4	3,023.79	3/4	3,298.74	3/4	3,573.70	3/4	3,848.65	3/4		3/4		3/4		3/4		3/4	
2	2,754.56	2	3,029.52	2	3,304.47	2	3,579.42	2	3,854.38	2		2		2		2		2	
1/4	2,760.29	1/4	3,035.25	1/4	3,310.20	1/4	3,585.15	1/4	3,860.11	1/4		1/4		1/4		1/4		1/4	
1/2	2,766.02	1/2	3,040.97	1/2	3,315.93	1/2	3,590.88	1/2	3,865.84	1/2		1/2		1/2		1/2		1/2	
3/4	2,771.75	3/4	3,046.70	3/4	3,321.66	3/4	3,596.61	3/4	3,871.57	3/4		3/4		3/4		3/4		3/4	
3	2,777.48	3	3,052.43	3	3,327.38	3	3,602.34	3	3,877.31	3		3		3		3		3	
1/4	2,783.20	1/4	3,058.16	1/4	3,333.11	1/4	3,608.07	1/4	3,883.02	1/4		1/4		1/4		1/4		1/4	
1/2	2,788.93	1/2	3,063.89	1/2	3,338.84	1/2	3,613.79	1/2	3,888.73	1/2		1/2		1/2		1/2		1/2	
3/4	2,794.66	3/4	3,069.61	3/4	3,344.57	3/4	3,619.52	3/4	3,894.45	3/4		3/4		3/4		3/4		3/4	
4	2,800.39	4	3,075.34	4	3,350.30	4	3,625.25	4	3,900.16	4		4		4		4		4	
1/4	2,806.12	1/4	3,081.07	1/4	3,356.02	1/4	3,630.98	1/4	3,905.84	1/4		1/4		1/4		1/4		1/4	
1/2	2,811.85	1/2	3,086.80	1/2	3,361.75	1/2	3,636.71	1/2	3,911.52	1/2		1/2		1/2		1/2		1/2	
3/4	2,817.57	3/4	3,092.53	3/4	3,367.48	3/4	3,642.43	3/4	3,917.20	3/4		3/4		3/4		3/4		3/4	
5	2,823.30	5	3,098.26	5	3,373.21	5	3,648.16	5	3,922.88	5		5		5		5		5	
1/4	2,829.03	1/4	3,103.98	1/4	3,378.94	1/4	3,653.89	1/4	3,927.65	1/4		1/4		1/4		1/4		1/4	
1/2	2,834.76	1/2	3,109.71	1/2	3,384.67	1/2	3,659.62	1/2	3,932.42	1/2		1/2		1/2		1/2		1/2	
3/4	2,840.49	3/4	3,115.44	3/4	3,390.39	3/4	3,665.35	3/4	3,937.19	3/4		3/4		3/4		3/4		3/4	
6	2,846.22	6	3,121.17	6	3,396.12	6	3,671.08	6	3,941.96	6		6		6		6		6	
1/4	2,851.94	1/4	3,126.90	1/4	3,401.85	1/4	3,676.80	1/4	3,944.82	1/4		1/4		1/4		1/4		1/4	
1/2	2,857.67	1/2	3,132.63	1/2	3,407.58	1/2	3,682.53	1/2	3,947.69	1/2		1/2		1/2		1/2		1/2	
3/4	2,863.40	3/4	3,138.35	3/4	3,413.31	3/4	3,688.26	3/4	3,950.55	3/4		3/4		3/4		3/4		3/4	
7	2,869.13	7	3,144.08	7	3,419.04	7	3,693.99	7	3,953.41	7		7		7		7		7	
1/4	2,874.86	1/4	3,149.81	1/4	3,424.76	1/4	3,699.72	1/4	3,954.37	1/4		1/4		1/4		1/4		1/4	
1/2	2,880.58	1/2	3,155.54	1/2	3,430.49	1/2	3,705.45	1/2	3,955.32	1/2		1/2		1/2		1/2		1/2	
3/4	2,886.31	3/4	3,161.27	3/4	3,436.22	3/4	3,711.17	3/4	3,956.27	3/4		3/4		3/4		3/4		3/4	
8	2,892.04	8	3,166.99	8	3,441.95	8	3,716.90	8	3,957.23	8		8		8		8		8	
1/4	2,897.77	1/4	3,172.72	1/4	3,447.68	1/4	3,722.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,903.50	1/2	3,178.45	1/2	3,453.40	1/2	3,728.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,909.23	3/4	3,184.18	3/4	3,459.13	3/4	3,734.09	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,914.95	9	3,189.91	9	3,464.86	9	3,739.81	9		9		9		9		9		9	
1/4	2,920.68	1/4	3,195.64	1/4	3,470.59	1/4	3,745.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,926.41	1/2	3,201.36	1/2	3,476.32	1/2	3,751.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,932.14	3/4	3,207.09	3/4	3,482.05	3/4	3,757.00	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,937.87	10	3,212.82	10	3,487.77	10	3,762.73	10		10		10		10		10		10	
1/4	2,943.59	1/4	3,218.55	1/4	3,493.50	1/4	3,768.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,949.32	1/2	3,224.28	1/2	3,499.23	1/2	3,774.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,955.05	3/4	3,230.00	3/4	3,504.96	3/4	3,779.91	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,960.78	11	3,235.73	11	3,510.69	11	3,785.64	11		11		11		11		11		11	
1/4	2,966.51	1/4	3,241.46	1/4	3,516.41	1/4	3,791.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,972.24	1/2	3,247.19	1/2	3,522.14	1/2	3,797.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,977.96	3/4	3,252.92	3/4	3,527.87	3/4	3,802.82	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/12/2019 CL  
CALCULATED: 11/12/2019 CL  
PRINTED: 11/12/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2019

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



# BARGE "FMT 1404"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0.73	0	215.55	0	461.35	0	706.91	0	952.48	0	1,198.28	0	1,444.09	0	1,689.90	0	1,935.71	0	2,181.52
1/4	1.58	1/4	220.67	1/4	466.47	1/4	712.02	1/4	957.60	1/4	1,203.40	1/4	1,449.21	1/4	1,695.02	1/4	1,940.83	1/4	2,186.64
1/2	2.44	1/2	225.79	1/2	471.59	1/2	717.13	1/2	962.72	1/2	1,208.53	1/2	1,454.33	1/2	1,700.14	1/2	1,945.95	1/2	2,191.76
3/4	3.29	3/4	230.91	3/4	476.71	3/4	722.24	3/4	967.84	3/4	1,213.65	3/4	1,459.45	3/4	1,705.26	3/4	1,951.07	3/4	2,196.88
1	4.14	1	236.04	1	481.83	1	727.34	1	972.96	1	1,218.77	1	1,464.58	1	1,710.38	1	1,956.19	1	2,202.00
1/4	6.70	1/4	241.16	1/4	486.95	1/4	732.45	1/4	978.08	1/4	1,223.89	1/4	1,469.70	1/4	1,715.50	1/4	1,961.31	1/4	2,207.12
1/2	9.26	1/2	246.28	1/2	492.08	1/2	737.56	1/2	983.20	1/2	1,229.01	1/2	1,474.82	1/2	1,720.63	1/2	1,966.43	1/2	2,212.24
3/4	11.82	3/4	251.40	3/4	497.20	3/4	742.67	3/4	988.32	3/4	1,234.13	3/4	1,479.94	3/4	1,725.75	3/4	1,971.55	3/4	2,217.36
2	14.38	2	256.52	2	502.32	2	747.77	2	993.44	2	1,239.25	2	1,485.06	2	1,730.87	2	1,976.68	2	2,222.48
1/4	18.64	1/4	261.64	1/4	507.44	1/4	752.88	1/4	998.56	1/4	1,244.37	1/4	1,490.18	1/4	1,735.99	1/4	1,981.80	1/4	2,227.60
1/2	22.91	1/2	266.76	1/2	512.56	1/2	757.99	1/2	1,003.69	1/2	1,249.49	1/2	1,495.30	1/2	1,741.11	1/2	1,986.92	1/2	2,232.73
3/4	27.17	3/4	271.88	3/4	517.68	3/4	763.10	3/4	1,008.81	3/4	1,254.61	3/4	1,500.42	3/4	1,746.23	3/4	1,992.04	3/4	2,237.85
3	31.44	3	277.00	3	522.80	3	768.21	3	1,013.93	3	1,259.74	3	1,505.54	3	1,751.35	3	1,997.16	3	2,242.97
1/4	36.51	1/4	282.12	1/4	527.92	1/4	773.31	1/4	1,019.05	1/4	1,264.86	1/4	1,510.66	1/4	1,756.47	1/4	2,002.28	1/4	2,248.09
1/2	41.59	1/2	287.24	1/2	533.04	1/2	778.42	1/2	1,024.17	1/2	1,269.98	1/2	1,515.79	1/2	1,761.59	1/2	2,007.40	1/2	2,253.21
3/4	46.67	3/4	292.36	3/4	538.16	3/4	783.53	3/4	1,029.29	3/4	1,275.10	3/4	1,520.91	3/4	1,766.71	3/4	2,012.52	3/4	2,258.33
4	51.74	4	297.49	4	543.28	4	788.64	4	1,034.41	4	1,280.22	4	1,526.03	4	1,771.84	4	2,017.64	4	2,263.45
1/4	56.85	1/4	302.61	1/4	548.40	1/4	793.75	1/4	1,039.53	1/4	1,285.34	1/4	1,531.15	1/4	1,776.96	1/4	2,022.76	1/4	2,268.57
1/2	61.96	1/2	307.73	1/2	553.53	1/2	798.86	1/2	1,044.65	1/2	1,290.46	1/2	1,536.27	1/2	1,782.08	1/2	2,027.89	1/2	2,273.69
3/4	67.07	3/4	312.85	3/4	558.65	3/4	803.97	3/4	1,049.77	3/4	1,295.58	3/4	1,541.39	3/4	1,787.20	3/4	2,033.01	3/4	2,278.81
5	72.18	5	317.97	5	563.77	5	809.09	5	1,054.90	5	1,300.70	5	1,546.51	5	1,792.32	5	2,038.13	5	2,283.94
1/4	77.30	1/4	323.09	1/4	568.89	1/4	814.21	1/4	1,060.02	1/4	1,305.82	1/4	1,551.63	1/4	1,797.44	1/4	2,043.25	1/4	2,289.06
1/2	82.41	1/2	328.21	1/2	574.01	1/2	819.33	1/2	1,065.14	1/2	1,310.95	1/2	1,556.75	1/2	1,802.56	1/2	2,048.37	1/2	2,294.18
3/4	87.53	3/4	333.33	3/4	579.13	3/4	824.45	3/4	1,070.26	3/4	1,316.07	3/4	1,561.87	3/4	1,807.68	3/4	2,053.49	3/4	2,299.30
6	92.65	6	338.45	6	584.25	6	829.57	6	1,075.38	6	1,321.19	6	1,567.00	6	1,812.80	6	2,058.61	6	2,304.42
1/4	97.77	1/4	343.57	1/4	589.37	1/4	834.69	1/4	1,080.50	1/4	1,326.31	1/4	1,572.12	1/4	1,817.92	1/4	2,063.73	1/4	2,309.54
1/2	102.89	1/2	348.69	1/2	594.49	1/2	839.81	1/2	1,085.62	1/2	1,331.43	1/2	1,577.24	1/2	1,823.05	1/2	2,068.85	1/2	2,314.66
3/4	108.02	3/4	353.81	3/4	599.61	3/4	844.93	3/4	1,090.74	3/4	1,336.55	3/4	1,582.36	3/4	1,828.17	3/4	2,073.97	3/4	2,319.78
7	113.14	7	358.93	7	604.73	7	850.06	7	1,095.86	7	1,341.67	7	1,587.48	7	1,833.29	7	2,079.10	7	2,324.90
1/4	118.26	1/4	364.06	1/4	609.85	1/4	855.18	1/4	1,100.98	1/4	1,346.79	1/4	1,592.60	1/4	1,838.41	1/4	2,084.22	1/4	2,330.02
1/2	123.38	1/2	369.18	1/2	614.96	1/2	860.30	1/2	1,106.11	1/2	1,351.91	1/2	1,597.72	1/2	1,843.53	1/2	2,089.34	1/2	2,335.15
3/4	128.50	3/4	374.30	3/4	620.07	3/4	865.42	3/4	1,111.23	3/4	1,357.03	3/4	1,602.84	3/4	1,848.65	3/4	2,094.46	3/4	2,340.27
8	133.62	8	379.42	8	625.19	8	870.54	8	1,116.35	8	1,362.16	8	1,607.96	8	1,853.77	8	2,099.58	8	2,345.39
1/4	138.74	1/4	384.54	1/4	630.30	1/4	875.66	1/4	1,121.47	1/4	1,367.28	1/4	1,613.08	1/4	1,858.89	1/4	2,104.70	1/4	2,350.51
1/2	143.86	1/2	389.66	1/2	635.40	1/2	880.78	1/2	1,126.59	1/2	1,372.40	1/2	1,618.21	1/2	1,864.01	1/2	2,109.82	1/2	2,355.63
3/4	148.98	3/4	394.78	3/4	640.51	3/4	885.90	3/4	1,131.71	3/4	1,377.52	3/4	1,623.33	3/4	1,869.13	3/4	2,114.94	3/4	2,360.75
9	154.10	9	399.90	9	645.62	9	891.02	9	1,136.83	9	1,382.64	9	1,628.45	9	1,874.26	9	2,120.06	9	2,365.87
1/4	159.22	1/4	405.02	1/4	650.73	1/4	896.14	1/4	1,141.95	1/4	1,387.76	1/4	1,633.57	1/4	1,879.38	1/4	2,125.18	1/4	2,370.99
1/2	164.34	1/2	410.14	1/2	655.83	1/2	901.27	1/2	1,147.07	1/2	1,392.88	1/2	1,638.69	1/2	1,884.50	1/2	2,130.31	1/2	2,376.11
3/4	169.47	3/4	415.26	3/4	660.94	3/4	906.39	3/4	1,152.19	3/4	1,398.00	3/4	1,643.81	3/4	1,889.62	3/4	2,135.43	3/4	2,381.23
10	174.59	10	420.38	10	666.05	10	911.51	10	1,157.32	10	1,403.12	10	1,648.93	10	1,894.74	10	2,140.55	10	2,386.36
1/4	179.71	1/4	425.51	1/4	671.16	1/4	916.63	1/4	1,162.44	1/4	1,408.24	1/4	1,654.05	1/4	1,899.86	1/4	2,145.67	1/4	2,391.48
1/2	184.83	1/2	430.63	1/2	676.27	1/2	921.75	1/2	1,167.56	1/2	1,413.37	1/2	1,659.17	1/2	1,904.98	1/2	2,150.79	1/2	2,396.60
3/4	189.95	3/4	435.75	3/4	681.37	3/4	926.87	3/4	1,172.68	3/4	1,418.49	3/4	1,664.29	3/4	1,910.10	3/4	2,155.91	3/4	2,401.72
11	195.07	11	440.87	11	686.48	11	931.99	11	1,177.80	11	1,423.61	11	1,669.42	11	1,915.22	11	2,161.03	11	2,406.84
1/4	200.19	1/4	445.99	1/4	691.59	1/4	937.11	1/4	1,182.92	1/4	1,428.73	1/4	1,674.54	1/4	1,920.34	1/4	2,166.15	1/4	2,411.96
1/2	205.31	1/2	451.11	1/2	696.70	1/2	942.23	1/2	1,188.04	1/2	1,433.85	1/2	1,679.66	1/2	1,925.47	1/2	2,171.27	1/2	2,417.08
3/4	210.43	3/4	456.23	3/4	701.80	3/4	947.35	3/4	1,193.16	3/4	1,438.97	3/4	1,684.78	3/4	1,930.59	3/4	2,176.39	3/4	2,422.20

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER "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  
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# BARGE "FMT 1404"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,427.32	0	2,673.13	0	2,918.94	0	3,164.75	0	3,410.56	0		0		0		0		0	
1/4	2,432.44	1/4	2,678.25	1/4	2,924.06	1/4	3,169.87	1/4	3,415.68	1/4		1/4		1/4		1/4		1/4	
1/2	2,437.57	1/2	2,683.37	1/2	2,929.18	1/2	3,174.99	1/2	3,420.80	1/2		1/2		1/2		1/2		1/2	
3/4	2,442.69	3/4	2,688.49	3/4	2,934.30	3/4	3,180.11	3/4	3,425.92	3/4		3/4		3/4		3/4		3/4	
1	2,447.81	1	2,693.62	1	2,939.42	1	3,185.23	1	3,431.04	1		1		1		1		1	
1/4	2,452.93	1/4	2,698.74	1/4	2,944.54	1/4	3,190.35	1/4	3,436.16	1/4		1/4		1/4		1/4		1/4	
1/2	2,458.05	1/2	2,703.86	1/2	2,949.67	1/2	3,195.47	1/2	3,441.28	1/2		1/2		1/2		1/2		1/2	
3/4	2,463.17	3/4	2,708.98	3/4	2,954.79	3/4	3,200.59	3/4	3,446.40	3/4		3/4		3/4		3/4		3/4	
2	2,468.29	2	2,714.10	2	2,959.91	2	3,205.72	2	3,451.52	2		2		2		2		2	
1/4	2,473.41	1/4	2,719.22	1/4	2,965.03	1/4	3,210.84	1/4	3,456.65	1/4		1/4		1/4		1/4		1/4	
1/2	2,478.53	1/2	2,724.34	1/2	2,970.15	1/2	3,215.96	1/2	3,461.78	1/2		1/2		1/2		1/2		1/2	
3/4	2,483.65	3/4	2,729.46	3/4	2,975.27	3/4	3,221.08	3/4	3,466.90	3/4		3/4		3/4		3/4		3/4	
3	2,488.78	3	2,734.58	3	2,980.39	3	3,226.20	3	3,472.03	3		3		3		3		3	
1/4	2,493.90	1/4	2,739.70	1/4	2,985.51	1/4	3,231.32	1/4	3,477.14	1/4		1/4		1/4		1/4		1/4	
1/2	2,499.02	1/2	2,744.83	1/2	2,990.63	1/2	3,236.44	1/2	3,482.25	1/2		1/2		1/2		1/2		1/2	
3/4	2,504.14	3/4	2,749.95	3/4	2,995.75	3/4	3,241.56	3/4	3,487.35	3/4		3/4		3/4		3/4		3/4	
4	2,509.26	4	2,755.07	4	3,000.88	4	3,246.68	4	3,492.46	4		4		4		4		4	
1/4	2,514.38	1/4	2,760.19	1/4	3,006.00	1/4	3,251.80	1/4	3,497.54	1/4		1/4		1/4		1/4		1/4	
1/2	2,519.50	1/2	2,765.31	1/2	3,011.12	1/2	3,256.93	1/2	3,502.61	1/2		1/2		1/2		1/2		1/2	
3/4	2,524.62	3/4	2,770.43	3/4	3,016.24	3/4	3,262.05	3/4	3,507.69	3/4		3/4		3/4		3/4		3/4	
5	2,529.74	5	2,775.55	5	3,021.36	5	3,267.17	5	3,512.77	5		5		5		5		5	
1/4	2,534.86	1/4	2,780.67	1/4	3,026.48	1/4	3,272.29	1/4	3,517.03	1/4		1/4		1/4		1/4		1/4	
1/2	2,539.99	1/2	2,785.79	1/2	3,031.60	1/2	3,277.41	1/2	3,521.30	1/2		1/2		1/2		1/2		1/2	
3/4	2,545.11	3/4	2,790.91	3/4	3,036.72	3/4	3,282.53	3/4	3,525.56	3/4		3/4		3/4		3/4		3/4	
6	2,550.23	6	2,796.04	6	3,041.84	6	3,287.65	6	3,529.83	6		6		6		6		6	
1/4	2,555.35	1/4	2,801.16	1/4	3,046.96	1/4	3,292.77	1/4	3,532.39	1/4		1/4		1/4		1/4		1/4	
1/2	2,560.47	1/2	2,806.28	1/2	3,052.09	1/2	3,297.89	1/2	3,534.95	1/2		1/2		1/2		1/2		1/2	
3/4	2,565.59	3/4	2,811.40	3/4	3,057.21	3/4	3,303.01	3/4	3,537.51	3/4		3/4		3/4		3/4		3/4	
7	2,570.71	7	2,816.52	7	3,062.33	7	3,308.14	7	3,540.07	7		7		7		7		7	
1/4	2,575.83	1/4	2,821.64	1/4	3,067.45	1/4	3,313.26	1/4	3,540.92	1/4		1/4		1/4		1/4		1/4	
1/2	2,580.95	1/2	2,826.76	1/2	3,072.57	1/2	3,318.38	1/2	3,541.77	1/2		1/2		1/2		1/2		1/2	
3/4	2,586.07	3/4	2,831.88	3/4	3,077.69	3/4	3,323.50	3/4	3,542.62	3/4		3/4		3/4		3/4		3/4	
8	2,591.20	8	2,837.00	8	3,082.81	8	3,328.62	8	3,543.48	8		8		8		8		8	
1/4	2,596.32	1/4	2,842.12	1/4	3,087.93	1/4	3,333.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,601.44	1/2	2,847.25	1/2	3,093.05	1/2	3,338.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,606.56	3/4	2,852.37	3/4	3,098.17	3/4	3,343.98	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,611.68	9	2,857.49	9	3,103.30	9	3,349.10	9		9		9		9		9		9	
1/4	2,616.80	1/4	2,862.61	1/4	3,108.42	1/4	3,354.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,621.92	1/2	2,867.73	1/2	3,113.54	1/2	3,359.35	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,627.04	3/4	2,872.85	3/4	3,118.66	3/4	3,364.47	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,632.16	10	2,877.97	10	3,123.78	10	3,369.59	10		10		10		10		10		10	
1/4	2,637.28	1/4	2,883.09	1/4	3,128.90	1/4	3,374.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,642.41	1/2	2,888.21	1/2	3,134.02	1/2	3,379.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,647.53	3/4	2,893.33	3/4	3,139.14	3/4	3,384.95	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,652.65	11	2,898.46	11	3,144.26	11	3,390.07	11		11		11		11		11		11	
1/4	2,657.77	1/4	2,903.58	1/4	3,149.38	1/4	3,395.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,662.89	1/2	2,908.70	1/2	3,154.51	1/2	3,400.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,668.01	3/4	2,913.82	3/4	3,159.63	3/4	3,405.43	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/12/2019 CL  
CALCULATED: 11/12/2019 CL  
PRINTED: 11/12/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2019

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



# BARGE "FMT 1404"

## 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"

November 12, 2019

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

<http://www.pmacorp.net>





# BARGE "FMT 1404"

# 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 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	3,418.77	0	3,226.29	0	3,015.36	0	2,804.42	0	2,593.80	0	2,352.42	0	2,105.19	0	1,858.09	0	1,611.41
1/4		1/4	3,417.91	1/4	3,221.89	1/4	3,010.96	1/4	2,800.03	1/4	2,589.44	1/4	2,347.28	1/4	2,100.04	1/4	1,852.96	1/4	1,606.27
1/2		1/2	3,417.05	1/2	3,217.50	1/2	3,006.57	1/2	2,795.64	1/2	2,585.08	1/2	2,342.13	1/2	2,094.89	1/2	1,847.83	1/2	1,601.12
3/4		3/4	3,416.19	3/4	3,213.10	3/4	3,002.17	3/4	2,791.24	3/4	2,580.72	3/4	2,336.99	3/4	2,089.74	3/4	1,842.69	3/4	1,595.97
1		1	3,413.61	1	3,208.71	1	2,997.78	1	2,786.85	1	2,576.36	1	2,331.84	1	2,084.59	1	1,837.56	1	1,590.83
1/4		1/4	3,411.03	1/4	3,204.32	1/4	2,993.38	1/4	2,782.45	1/4	2,572.00	1/4	2,326.68	1/4	2,079.44	1/4	1,832.42	1/4	1,585.68
1/2		1/2	3,408.45	1/2	3,199.92	1/2	2,988.99	1/2	2,778.06	1/2	2,567.64	1/2	2,321.53	1/2	2,074.29	1/2	1,827.29	1/2	1,580.54
3/4		3/4	3,405.86	3/4	3,195.53	3/4	2,984.60	3/4	2,773.66	3/4	2,563.28	3/4	2,316.38	3/4	2,069.13	3/4	1,822.16	3/4	1,575.39
2		2	3,401.56	2	3,191.13	2	2,980.20	2	2,769.27	2	2,558.15	2	2,311.23	2	2,063.98	2	1,817.02	2	1,570.24
1/4		1/4	3,397.26	1/4	3,186.74	1/4	2,975.81	1/4	2,764.88	1/4	2,553.02	1/4	2,306.08	1/4	2,058.83	1/4	1,811.89	1/4	1,565.10
1/2		1/2	3,392.96	1/2	3,182.34	1/2	2,971.41	1/2	2,760.48	1/2	2,547.89	1/2	2,300.93	1/2	2,053.68	1/2	1,806.75	1/2	1,559.95
3/4		3/4	3,388.66	3/4	3,177.95	3/4	2,967.02	3/4	2,756.09	3/4	2,542.76	3/4	2,295.78	3/4	2,048.53	3/4	1,801.62	3/4	1,554.81
3		3	3,384.31	3	3,173.55	3	2,962.62	3	2,751.69	3	2,537.63	3	2,290.63	3	2,043.38	3	1,796.48	3	1,549.66
1/4		1/4	3,379.96	1/4	3,169.16	1/4	2,958.23	1/4	2,747.30	1/4	2,532.50	1/4	2,285.48	1/4	2,038.23	1/4	1,791.35	1/4	1,544.51
1/2		1/2	3,375.61	1/2	3,164.77	1/2	2,953.83	1/2	2,742.90	1/2	2,527.37	1/2	2,280.33	1/2	2,033.08	1/2	1,786.22	1/2	1,539.37
3/4		3/4	3,371.26	3/4	3,160.37	3/4	2,949.44	3/4	2,738.51	3/4	2,522.24	3/4	2,275.17	3/4	2,027.93	3/4	1,781.08	3/4	1,534.22
4		4	3,366.87	4	3,155.98	4	2,945.05	4	2,734.11	4	2,517.09	4	2,270.02	4	2,022.78	4	1,775.95	4	1,529.08
1/4		1/4	3,362.49	1/4	3,151.58	1/4	2,940.65	1/4	2,729.72	1/4	2,511.95	1/4	2,264.87	1/4	2,017.62	1/4	1,770.81	1/4	1,523.93
1/2		1/2	3,358.11	1/2	3,147.19	1/2	2,936.26	1/2	2,725.33	1/2	2,506.80	1/2	2,259.72	1/2	2,012.47	1/2	1,765.68	1/2	1,518.78
3/4		3/4	3,353.73	3/4	3,142.79	3/4	2,931.86	3/4	2,720.93	3/4	2,501.66	3/4	2,254.57	3/4	2,007.32	3/4	1,760.55	3/4	1,513.64
5		5	3,349.33	5	3,138.40	5	2,927.47	5	2,716.54	5	2,496.51	5	2,249.42	5	2,002.17	5	1,755.41	5	1,508.49
1/4		1/4	3,344.94	1/4	3,134.00	1/4	2,923.07	1/4	2,712.14	1/4	2,491.36	1/4	2,244.27	1/4	1,997.02	1/4	1,750.28	1/4	1,503.35
1/2		1/2	3,340.54	1/2	3,129.61	1/2	2,918.68	1/2	2,707.75	1/2	2,486.22	1/2	2,239.12	1/2	1,991.87	1/2	1,745.14	1/2	1,498.20
3/4		3/4	3,336.15	3/4	3,125.22	3/4	2,914.28	3/4	2,703.35	3/4	2,481.07	3/4	2,233.97	3/4	1,986.72	3/4	1,740.01	3/4	1,493.05
6		6	3,331.75	6	3,120.82	6	2,909.89	6	2,698.96	6	2,475.93	6	2,228.82	6	1,981.57	6	1,734.87	6	1,487.90
1/4		1/4	3,327.36	1/4	3,116.43	1/4	2,905.50	1/4	2,694.56	1/4	2,470.78	1/4	2,223.66	1/4	1,976.42	1/4	1,729.74	1/4	1,482.75
1/2		1/2	3,322.96	1/2	3,112.03	1/2	2,901.10	1/2	2,690.17	1/2	2,465.63	1/2	2,218.51	1/2	1,971.27	1/2	1,724.61	1/2	1,477.60
3/4		3/4	3,318.57	3/4	3,107.64	3/4	2,896.71	3/4	2,685.78	3/4	2,460.49	3/4	2,213.36	3/4	1,966.11	3/4	1,719.47	3/4	1,472.45
7		7	3,314.18	7	3,103.24	7	2,892.31	7	2,681.38	7	2,455.34	7	2,208.21	7	1,960.96	7	1,714.34	7	1,467.31
1/4		1/4	3,309.78	1/4	3,098.85	1/4	2,887.92	1/4	2,676.99	1/4	2,450.20	1/4	2,203.06	1/4	1,955.81	1/4	1,709.20	1/4	1,462.16
1/2		1/2	3,305.39	1/2	3,094.46	1/2	2,883.52	1/2	2,672.59	1/2	2,445.05	1/2	2,197.91	1/2	1,950.66	1/2	1,704.07	1/2	1,457.01
3/4		3/4	3,300.99	3/4	3,090.06	3/4	2,879.13	3/4	2,668.20	3/4	2,439.90	3/4	2,192.76	3/4	1,945.51	3/4	1,698.93	3/4	1,451.86
8		8	3,296.60	8	3,085.67	8	2,874.74	8	2,663.80	8	2,434.76	8	2,187.61	8	1,940.36	8	1,693.79	8	1,446.71
1/4		1/4	3,292.20	1/4	3,081.27	1/4	2,870.34	1/4	2,659.41	1/4	2,429.61	1/4	2,182.46	1/4	1,935.21	1/4	1,688.64	1/4	1,441.56
1/2		1/2	3,287.81	1/2	3,076.88	1/2	2,865.95	1/2	2,655.02	1/2	2,424.47	1/2	2,177.31	1/2	1,930.06	1/2	1,683.49	1/2	1,436.41
3/4		3/4	3,283.41	3/4	3,072.48	3/4	2,861.55	3/4	2,650.62	3/4	2,419.32	3/4	2,172.15	3/4	1,924.91	3/4	1,678.34	3/4	1,431.26
9		9	3,279.02	9	3,068.09	9	2,857.16	9	2,646.23	9	2,414.18	9	2,167.00	9	1,919.76	9	1,673.19	9	1,426.11
1/4		1/4	3,274.63	1/4	3,063.69	1/4	2,852.76	1/4	2,641.83	1/4	2,409.03	1/4	2,161.85	1/4	1,914.60	1/4	1,668.04	1/4	1,420.96
1/2		1/2	3,270.23	1/2	3,059.30	1/2	2,848.37	1/2	2,637.44	1/2	2,403.88	1/2	2,156.70	1/2	1,909.45	1/2	1,662.89	1/2	1,415.81
3/4		3/4	3,265.84	3/4	3,054.91	3/4	2,843.97	3/4	2,633.04	3/4	2,398.74	3/4	2,151.55	3/4	1,904.30	3/4	1,657.75	3/4	1,410.66
10		10	3,261.44	10	3,050.51	10	2,839.58	10	2,628.68	10	2,393.59	10	2,146.40	10	1,899.17	10	1,652.60	10	1,405.51
1/4		1/4	3,257.05	1/4	3,046.12	1/4	2,835.19	1/4	2,624.32	1/4	2,388.45	1/4	2,141.25	1/4	1,894.03	1/4	1,647.45	1/4	1,400.36
1/2		1/2	3,252.65	1/2	3,041.72	1/2	2,830.79	1/2	2,619.96	1/2	2,383.30	1/2	2,136.10	1/2	1,888.90	1/2	1,642.30	1/2	1,395.21
3/4		3/4	3,248.26	3/4	3,037.33	3/4	2,826.40	3/4	2,615.60	3/4	2,378.15	3/4	2,130.95	3/4	1,883.77	3/4	1,637.15	3/4	1,390.06
11		11	3,243.86	11	3,032.93	11	2,822.00	11	2,611.24	11	2,373.01	11	2,125.80	11	1,878.63	11	1,632.00	11	1,384.91
1/4		1/4	3,239.47	1/4	3,028.54	1/4	2,817.61	1/4	2,606.88	1/4	2,367.86	1/4	2,120.64	1/4	1,873.50	1/4	1,626.85	1/4	1,379.76
1/2		1/2	3,235.08	1/2	3,024.14	1/2	2,813.21	1/2	2,602.52	1/2	2,362.72	1/2	2,115.49	1/2	1,868.36	1/2	1,621.71	1/2	1,374.61
3/4		3/4	3,419.63	3/4	3,230.68	3/4	3,019.75	3/4	2,808.82	3/4	2,598.16	3/4	2,357.57	3/4	2,110.34	3/4	1,863.23	3/4	1,616.56

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT 2" DIAMETER "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 23'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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# BARGE "FMT 1404"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 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	1,364.31	0	1,117.13	0	869.95	0	628.27	0	380.88	0	132.94	0		0		0		0	
1/4	1,359.16	1/4	1,111.98	1/4	864.80	1/4	623.27	1/4	375.71	1/4	127.78	1/4		1/4		1/4		1/4	
1/2	1,354.01	1/2	1,106.83	1/2	859.65	1/2	618.26	1/2	370.55	1/2	122.61	1/2		1/2		1/2		1/2	
3/4	1,348.86	3/4	1,101.68	3/4	854.50	3/4	613.25	3/4	365.38	3/4	117.45	3/4		3/4		3/4		3/4	
1	1,343.71	1	1,096.53	1	849.35	1	608.09	1	360.22	1	112.28	1		1		1		1	
1/4	1,338.57	1/4	1,091.38	1/4	844.20	1/4	602.93	1/4	355.05	1/4	107.12	1/4		1/4		1/4		1/4	
1/2	1,333.42	1/2	1,086.23	1/2	839.05	1/2	597.78	1/2	349.89	1/2	101.95	1/2		1/2		1/2		1/2	
3/4	1,328.27	3/4	1,081.09	3/4	833.90	3/4	592.62	3/4	344.72	3/4	96.79	3/4		3/4		3/4		3/4	
2	1,323.12	2	1,075.94	2	828.75	2	587.46	2	339.56	2	91.62	2		2		2		2	
1/4	1,317.97	1/4	1,070.79	1/4	823.61	1/4	582.30	1/4	334.39	1/4	86.46	1/4		1/4		1/4		1/4	
1/2	1,312.82	1/2	1,065.64	1/2	818.46	1/2	577.15	1/2	329.22	1/2	81.29	1/2		1/2		1/2		1/2	
3/4	1,307.67	3/4	1,060.49	3/4	813.31	3/4	571.99	3/4	324.06	3/4	76.13	3/4		3/4		3/4		3/4	
3	1,302.52	3	1,055.34	3	808.29	3	566.82	3	318.89	3	70.98	3		3		3		3	
1/4	1,297.37	1/4	1,050.19	1/4	803.27	1/4	561.66	1/4	313.73	1/4	65.83	1/4		1/4		1/4		1/4	
1/2	1,292.22	1/2	1,045.04	1/2	798.25	1/2	556.49	1/2	308.56	1/2	60.67	1/2		1/2		1/2		1/2	
3/4	1,287.07	3/4	1,039.89	3/4	793.23	3/4	551.33	3/4	303.40	3/4	55.52	3/4		3/4		3/4		3/4	
4	1,281.92	4	1,034.74	4	788.21	4	546.16	4	298.23	4	50.40	4		4		4		4	
1/4	1,276.77	1/4	1,029.59	1/4	783.19	1/4	541.00	1/4	293.07	1/4	45.28	1/4		1/4		1/4		1/4	
1/2	1,271.62	1/2	1,024.44	1/2	778.18	1/2	535.83	1/2	287.90	1/2	40.16	1/2		1/2		1/2		1/2	
3/4	1,266.47	3/4	1,019.29	3/4	773.16	3/4	530.67	3/4	282.74	3/4	35.04	3/4		3/4		3/4		3/4	
5	1,261.32	5	1,014.14	5	768.17	5	525.50	5	277.57	5	30.74	5		5		5		5	
1/4	1,256.17	1/4	1,008.99	1/4	763.17	1/4	520.34	1/4	272.41	1/4	26.44	1/4		1/4		1/4		1/4	
1/2	1,251.02	1/2	1,003.84	1/2	758.18	1/2	515.17	1/2	267.24	1/2	22.13	1/2		1/2		1/2		1/2	
3/4	1,245.87	3/4	998.69	3/4	753.18	3/4	510.01	3/4	262.08	3/4	17.83	3/4		3/4		3/4		3/4	
6	1,240.72	6	993.54	6	748.19	6	504.84	6	256.91	6	15.25	6		6		6		6	
1/4	1,235.57	1/4	988.39	1/4	743.20	1/4	499.68	1/4	251.75	1/4	12.67	1/4		1/4		1/4		1/4	
1/2	1,230.42	1/2	983.24	1/2	738.20	1/2	494.51	1/2	246.58	1/2	10.09	1/2		1/2		1/2		1/2	
3/4	1,225.27	3/4	978.09	3/4	733.21	3/4	489.35	3/4	241.42	3/4	7.50	3/4		3/4		3/4		3/4	
7	1,220.12	7	972.94	7	728.21	7	484.18	7	236.25	7	6.64	7		7		7		7	
1/4	1,214.97	1/4	967.79	1/4	723.22	1/4	479.02	1/4	231.09	1/4	5.78	1/4		1/4		1/4		1/4	
1/2	1,209.83	1/2	962.64	1/2	718.23	1/2	473.85	1/2	225.92	1/2	4.92	1/2		1/2		1/2		1/2	
3/4	1,204.68	3/4	957.49	3/4	713.23	3/4	468.69	3/4	220.76	3/4	4.07	3/4		3/4		3/4		3/4	
8	1,199.53	8	952.35	8	708.24	8	463.52	8	215.59	8		8		8		8		8	
1/4	1,194.38	1/4	947.20	1/4	703.24	1/4	458.35	1/4	210.42	1/4		1/4		1/4		1/4		1/4	
1/2	1,189.23	1/2	942.05	1/2	698.25	1/2	453.19	1/2	205.26	1/2		1/2		1/2		1/2		1/2	
3/4	1,184.08	3/4	936.90	3/4	693.26	3/4	448.02	3/4	200.09	3/4		3/4		3/4		3/4		3/4	
9	1,178.93	9	931.75	9	688.26	9	442.86	9	194.93	9		9		9		9		9	
1/4	1,173.78	1/4	926.60	1/4	683.27	1/4	437.69	1/4	189.76	1/4		1/4		1/4		1/4		1/4	
1/2	1,168.63	1/2	921.45	1/2	678.27	1/2	432.53	1/2	184.60	1/2		1/2		1/2		1/2		1/2	
3/4	1,163.48	3/4	916.30	3/4	673.28	3/4	427.36	3/4	179.43	3/4		3/4		3/4		3/4		3/4	
10	1,158.33	10	911.15	10	668.29	10	422.20	10	174.27	10		10		10		10		10	
1/4	1,153.18	1/4	906.00	1/4	663.29	1/4	417.03	1/4	169.10	1/4		1/4		1/4		1/4		1/4	
1/2	1,148.03	1/2	900.85	1/2	658.30	1/2	411.87	1/2	163.93	1/2		1/2		1/2		1/2		1/2	
3/4	1,142.88	3/4	895.70	3/4	653.31	3/4	406.70	3/4	158.77	3/4		3/4		3/4		3/4		3/4	
11	1,137.73	11	890.55	11	648.30	11	401.54	11	153.60	11		11		11		11		11	
1/4	1,132.58	1/4	885.40	1/4	643.29	1/4	396.37	1/4	148.44	1/4		1/4		1/4		1/4		1/4	
1/2	1,127.43	1/2	880.25	1/2	638.29	1/2	391.21	1/2	143.27	1/2		1/2		1/2		1/2		1/2	
3/4	1,122.28	3/4	875.10	3/4	633.28	3/4	386.04	3/4	138.11	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/12/2019 CL  
CALCULATED: 11/12/2019 CL  
PRINTED: 11/12/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2019

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



# BARGE "FMT 1404"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 3/4"

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	3,956.27	0	3,711.17	0	3,436.22	0	3,161.27	0	2,886.31	0	2,611.36	0	2,336.41	0	2,061.45	0	1,786.50
1/4		1/4	3,955.32	1/4	3,705.45	1/4	3,430.49	1/4	3,155.54	1/4	2,880.58	1/4	2,605.63	1/4	2,330.68	1/4	2,055.72	1/4	1,780.77
1/2		1/2	3,954.37	1/2	3,699.72	1/2	3,424.76	1/2	3,149.81	1/2	2,874.86	1/2	2,599.90	1/2	2,324.95	1/2	2,050.00	1/2	1,775.04
3/4		3/4	3,953.41	3/4	3,693.99	3/4	3,419.04	3/4	3,144.08	3/4	2,869.13	3/4	2,594.17	3/4	2,319.22	3/4	2,044.27	3/4	1,769.31
1		1	3,950.55	1	3,688.26	1	3,413.31	1	3,138.35	1	2,863.40	1	2,588.45	1	2,313.49	1	2,038.54	1	1,763.59
1/4		1/4	3,947.69	1/4	3,682.53	1/4	3,407.58	1/4	3,132.63	1/4	2,857.67	1/4	2,582.72	1/4	2,307.76	1/4	2,032.81	1/4	1,757.86
1/2		1/2	3,944.82	1/2	3,676.80	1/2	3,401.85	1/2	3,126.90	1/2	2,851.94	1/2	2,576.99	1/2	2,302.04	1/2	2,027.08	1/2	1,752.13
3/4		3/4	3,941.96	3/4	3,671.08	3/4	3,396.12	3/4	3,121.17	3/4	2,846.22	3/4	2,571.26	3/4	2,296.31	3/4	2,021.35	3/4	1,746.40
2		2	3,937.19	2	3,665.35	2	3,390.39	2	3,115.44	2	2,840.49	2	2,565.53	2	2,290.58	2	2,015.63	2	1,740.67
1/4		1/4	3,932.42	1/4	3,659.62	1/4	3,384.67	1/4	3,109.71	1/4	2,834.76	1/4	2,559.81	1/4	2,284.85	1/4	2,009.90	1/4	1,734.94
1/2		1/2	3,927.65	1/2	3,653.89	1/2	3,378.94	1/2	3,103.98	1/2	2,829.03	1/2	2,554.08	1/2	2,279.12	1/2	2,004.17	1/2	1,729.22
3/4		3/4	3,922.88	3/4	3,648.16	3/4	3,373.21	3/4	3,098.26	3/4	2,823.30	3/4	2,548.35	3/4	2,273.40	3/4	1,998.44	3/4	1,723.49
3		3	3,917.20	3	3,642.43	3	3,367.48	3	3,092.53	3	2,817.57	3	2,542.62	3	2,267.67	3	1,992.71	3	1,717.76
1/4		1/4	3,911.52	1/4	3,636.71	1/4	3,361.75	1/4	3,086.80	1/4	2,811.85	1/4	2,536.89	1/4	2,261.94	1/4	1,986.99	1/4	1,712.03
1/2		1/2	3,905.84	1/2	3,630.98	1/2	3,356.02	1/2	3,081.07	1/2	2,806.12	1/2	2,531.16	1/2	2,256.21	1/2	1,981.26	1/2	1,706.30
3/4		3/4	3,900.16	3/4	3,625.25	3/4	3,350.30	3/4	3,075.34	3/4	2,800.39	3/4	2,525.44	3/4	2,250.48	3/4	1,975.53	3/4	1,700.57
4		4	3,894.45	4	3,619.52	4	3,344.57	4	3,069.61	4	2,794.66	4	2,519.71	4	2,244.75	4	1,969.80	4	1,694.85
1/4		1/4	3,888.73	1/4	3,613.79	1/4	3,338.84	1/4	3,063.89	1/4	2,788.93	1/4	2,513.98	1/4	2,239.03	1/4	1,964.07	1/4	1,689.12
1/2		1/2	3,883.02	1/2	3,608.07	1/2	3,333.11	1/2	3,058.16	1/2	2,783.20	1/2	2,508.25	1/2	2,233.30	1/2	1,958.34	1/2	1,683.39
3/4		3/4	3,877.31	3/4	3,602.34	3/4	3,327.38	3/4	3,052.43	3/4	2,777.48	3/4	2,502.52	3/4	2,227.57	3/4	1,952.62	3/4	1,677.66
5		5	3,871.57	5	3,596.61	5	3,321.66	5	3,046.70	5	2,771.75	5	2,496.79	5	2,221.84	5	1,946.89	5	1,671.93
1/4		1/4	3,865.84	1/4	3,590.88	1/4	3,315.93	1/4	3,040.97	1/4	2,766.02	1/4	2,491.07	1/4	2,216.11	1/4	1,941.16	1/4	1,666.21
1/2		1/2	3,860.11	1/2	3,585.15	1/2	3,310.20	1/2	3,035.25	1/2	2,760.29	1/2	2,485.34	1/2	2,210.38	1/2	1,935.43	1/2	1,660.48
3/4		3/4	3,854.38	3/4	3,579.42	3/4	3,304.47	3/4	3,029.52	3/4	2,754.56	3/4	2,479.61	3/4	2,204.66	3/4	1,929.70	3/4	1,654.75
6		6	3,848.65	6	3,573.70	6	3,298.74	6	3,023.79	6	2,748.84	6	2,473.88	6	2,198.93	6	1,923.97	6	1,649.02
1/4		1/4	3,842.92	1/4	3,567.97	1/4	3,293.01	1/4	3,018.06	1/4	2,743.11	1/4	2,468.15	1/4	2,193.20	1/4	1,918.25	1/4	1,643.29
1/2		1/2	3,837.19	1/2	3,562.24	1/2	3,287.29	1/2	3,012.33	1/2	2,737.38	1/2	2,462.43	1/2	2,187.47	1/2	1,912.52	1/2	1,637.56
3/4		3/4	3,831.47	3/4	3,556.51	3/4	3,281.56	3/4	3,006.60	3/4	2,731.65	3/4	2,456.70	3/4	2,181.74	3/4	1,906.79	3/4	1,631.84
7		7	3,825.74	7	3,550.78	7	3,275.83	7	3,000.88	7	2,725.92	7	2,450.97	7	2,176.02	7	1,901.06	7	1,626.11
1/4		1/4	3,820.01	1/4	3,545.06	1/4	3,270.10	1/4	2,995.15	1/4	2,720.19	1/4	2,445.24	1/4	2,170.29	1/4	1,895.33	1/4	1,620.38
1/2		1/2	3,814.28	1/2	3,539.33	1/2	3,264.37	1/2	2,989.42	1/2	2,714.47	1/2	2,439.51	1/2	2,164.56	1/2	1,889.61	1/2	1,614.65
3/4		3/4	3,808.55	3/4	3,533.60	3/4	3,258.65	3/4	2,983.69	3/4	2,708.74	3/4	2,433.78	3/4	2,158.83	3/4	1,883.88	3/4	1,608.92
8		8	3,802.82	8	3,527.87	8	3,252.92	8	2,977.96	8	2,703.01	8	2,428.06	8	2,153.10	8	1,878.15	8	1,603.20
1/4		1/4	3,797.10	1/4	3,522.14	1/4	3,247.19	1/4	2,972.24	1/4	2,697.28	1/4	2,422.33	1/4	2,147.37	1/4	1,872.42	1/4	1,597.47
1/2		1/2	3,791.37	1/2	3,516.41	1/2	3,241.46	1/2	2,966.51	1/2	2,691.55	1/2	2,416.60	1/2	2,141.65	1/2	1,866.69	1/2	1,591.74
3/4		3/4	3,785.64	3/4	3,510.69	3/4	3,235.73	3/4	2,960.78	3/4	2,685.83	3/4	2,410.87	3/4	2,135.92	3/4	1,860.96	3/4	1,586.01
9		9	3,779.91	9	3,504.96	9	3,230.00	9	2,955.05	9	2,680.10	9	2,405.14	9	2,130.19	9	1,855.24	9	1,580.28
1/4		1/4	3,774.18	1/4	3,499.23	1/4	3,224.28	1/4	2,949.32	1/4	2,674.37	1/4	2,399.42	1/4	2,124.46	1/4	1,849.51	1/4	1,574.55
1/2		1/2	3,768.46	1/2	3,493.50	1/2	3,218.55	1/2	2,943.59	1/2	2,668.64	1/2	2,393.69	1/2	2,118.73	1/2	1,843.78	1/2	1,568.83
3/4		3/4	3,762.73	3/4	3,487.77	3/4	3,212.82	3/4	2,937.87	3/4	2,662.91	3/4	2,387.96	3/4	2,113.01	3/4	1,838.05	3/4	1,563.10
10		10	3,757.00	10	3,482.05	10	3,207.09	10	2,932.14	10	2,657.18	10	2,382.23	10	2,107.28	10	1,832.32	10	1,557.37
1/4		1/4	3,751.27	1/4	3,476.32	1/4	3,201.36	1/4	2,926.41	1/4	2,651.46	1/4	2,376.50	1/4	2,101.55	1/4	1,826.60	1/4	1,551.64
1/2		1/2	3,745.54	1/2	3,470.59	1/2	3,195.64	1/2	2,920.68	1/2	2,645.73	1/2	2,370.77	1/2	2,095.82	1/2	1,820.87	1/2	1,545.91
3/4		3/4	3,739.81	3/4	3,464.86	3/4	3,189.91	3/4	2,914.95	3/4	2,640.00	3/4	2,365.05	3/4	2,090.09	3/4	1,815.14	3/4	1,540.19
11		11	3,734.09	11	3,459.13	11	3,184.18	11	2,909.23	11	2,634.27	11	2,359.32	11	2,084.36	11	1,809.41	11	1,534.46
1/4		1/4	3,728.36	1/4	3,453.40	1/4	3,178.45	1/4	2,903.50	1/4	2,628.54	1/4	2,353.59	1/4	2,078.64	1/4	1,803.68	1/4	1,528.73
1/2		1/2	3,722.63	1/2	3,447.68	1/2	3,172.72	1/2	2,897.77	1/2	2,622.82	1/2	2,347.86	1/2	2,072.91	1/2	1,797.95	1/2	1,523.00
3/4		3/4	3,957.23	3/4	3,716.90	3/4	3,441.95	3/4	3,166.99	3/4	2,892.04	3/4	2,617.09	3/4	2,342.13	3/4	2,067.18	3/4	1,792.23

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT 2" DIAMETER "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 30'-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 1404"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 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	1,511.54	0	1,236.59	0	961.64	0	693.04	0	418.59	0	143.65	0		0		0		0	
1/4	1,505.82	1/4	1,230.86	1/4	955.91	1/4	687.48	1/4	412.87	1/4	137.92	1/4		1/4		1/4		1/4	
1/2	1,500.09	1/2	1,225.13	1/2	950.18	1/2	681.91	1/2	407.14	1/2	132.19	1/2		1/2		1/2		1/2	
3/4	1,494.36	3/4	1,219.41	3/4	944.45	3/4	676.35	3/4	401.41	3/4	126.47	3/4		3/4		3/4		3/4	
1	1,488.63	1	1,213.68	1	938.72	1	670.63	1	395.68	1	120.74	1		1		1		1	
1/4	1,482.90	1/4	1,207.95	1/4	933.00	1/4	664.90	1/4	389.95	1/4	115.01	1/4		1/4		1/4		1/4	
1/2	1,477.18	1/2	1,202.22	1/2	927.27	1/2	659.17	1/2	384.23	1/2	109.28	1/2		1/2		1/2		1/2	
3/4	1,471.45	3/4	1,196.49	3/4	921.54	3/4	653.44	3/4	378.50	3/4	103.55	3/4		3/4		3/4		3/4	
2	1,465.72	2	1,190.77	2	915.81	2	647.71	2	372.77	2	97.83	2		2		2		2	
1/4	1,459.99	1/4	1,185.04	1/4	910.08	1/4	641.99	1/4	367.04	1/4	92.10	1/4		1/4		1/4		1/4	
1/2	1,454.26	1/2	1,179.31	1/2	904.36	1/2	636.26	1/2	361.31	1/2	86.37	1/2		1/2		1/2		1/2	
3/4	1,448.53	3/4	1,173.58	3/4	898.63	3/4	630.53	3/4	355.59	3/4	80.65	3/4		3/4		3/4		3/4	
3	1,442.81	3	1,167.85	3	893.07	3	624.80	3	349.86	3	74.93	3		3		3		3	
1/4	1,437.08	1/4	1,162.12	1/4	887.51	1/4	619.07	1/4	344.13	1/4	69.22	1/4		1/4		1/4		1/4	
1/2	1,431.35	1/2	1,156.40	1/2	881.95	1/2	613.35	1/2	338.40	1/2	63.51	1/2		1/2		1/2		1/2	
3/4	1,425.62	3/4	1,150.67	3/4	876.39	3/4	607.62	3/4	332.67	3/4	57.79	3/4		3/4		3/4		3/4	
4	1,419.89	4	1,144.94	4	870.83	4	601.89	4	326.95	4	52.12	4		4		4		4	
1/4	1,414.16	1/4	1,139.21	1/4	865.27	1/4	596.16	1/4	321.22	1/4	46.44	1/4		1/4		1/4		1/4	
1/2	1,408.44	1/2	1,133.48	1/2	859.72	1/2	590.43	1/2	315.49	1/2	40.76	1/2		1/2		1/2		1/2	
3/4	1,402.71	3/4	1,127.75	3/4	854.16	3/4	584.71	3/4	309.76	3/4	35.08	3/4		3/4		3/4		3/4	
5	1,396.98	5	1,122.03	5	848.61	5	578.98	5	304.03	5	30.31	5		5		5		5	
1/4	1,391.25	1/4	1,116.30	1/4	843.05	1/4	573.25	1/4	298.31	1/4	25.54	1/4		1/4		1/4		1/4	
1/2	1,385.52	1/2	1,110.57	1/2	837.49	1/2	567.52	1/2	292.58	1/2	20.77	1/2		1/2		1/2		1/2	
3/4	1,379.80	3/4	1,104.84	3/4	831.94	3/4	561.79	3/4	286.85	3/4	16.00	3/4		3/4		3/4		3/4	
6	1,374.07	6	1,099.11	6	826.38	6	556.07	6	281.12	6	13.13	6		6		6		6	
1/4	1,368.34	1/4	1,093.39	1/4	820.83	1/4	550.34	1/4	275.39	1/4	10.27	1/4		1/4		1/4		1/4	
1/2	1,362.61	1/2	1,087.66	1/2	815.27	1/2	544.61	1/2	269.67	1/2	7.41	1/2		1/2		1/2		1/2	
3/4	1,356.88	3/4	1,081.93	3/4	809.72	3/4	538.88	3/4	263.94	3/4	4.54	3/4		3/4		3/4		3/4	
7	1,351.15	7	1,076.20	7	804.16	7	533.15	7	258.21	7	3.59	7		7		7		7	
1/4	1,345.43	1/4	1,070.47	1/4	798.60	1/4	527.43	1/4	252.48	1/4	2.64	1/4		1/4		1/4		1/4	
1/2	1,339.70	1/2	1,064.74	1/2	793.05	1/2	521.70	1/2	246.75	1/2	1.68	1/2		1/2		1/2		1/2	
3/4	1,333.97	3/4	1,059.02	3/4	787.49	3/4	515.97	3/4	241.03	3/4	0.73	3/4		3/4		3/4		3/4	
8	1,328.24	8	1,053.29	8	781.94	8	510.24	8	235.30	8		8		8		8		8	
1/4	1,322.51	1/4	1,047.56	1/4	776.38	1/4	504.51	1/4	229.57	1/4		1/4		1/4		1/4		1/4	
1/2	1,316.79	1/2	1,041.83	1/2	770.83	1/2	498.79	1/2	223.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,311.06	3/4	1,036.10	3/4	765.27	3/4	493.06	3/4	218.11	3/4		3/4		3/4		3/4		3/4	
9	1,305.33	9	1,030.38	9	759.71	9	487.33	9	212.39	9		9		9		9		9	
1/4	1,299.60	1/4	1,024.65	1/4	754.16	1/4	481.60	1/4	206.66	1/4		1/4		1/4		1/4		1/4	
1/2	1,293.87	1/2	1,018.92	1/2	748.60	1/2	475.87	1/2	200.93	1/2		1/2		1/2		1/2		1/2	
3/4	1,288.14	3/4	1,013.19	3/4	743.05	3/4	470.15	3/4	195.20	3/4		3/4		3/4		3/4		3/4	
10	1,282.42	10	1,007.46	10	737.49	10	464.42	10	189.47	10		10		10		10		10	
1/4	1,276.69	1/4	1,001.73	1/4	731.93	1/4	458.69	1/4	183.75	1/4		1/4		1/4		1/4		1/4	
1/2	1,270.96	1/2	996.01	1/2	726.38	1/2	452.96	1/2	178.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,265.23	3/4	990.28	3/4	720.82	3/4	447.23	3/4	172.29	3/4		3/4		3/4		3/4		3/4	
11	1,259.50	11	984.55	11	715.27	11	441.51	11	166.56	11		11		11		11		11	
1/4	1,253.78	1/4	978.82	1/4	709.71	1/4	435.78	1/4	160.83	1/4		1/4		1/4		1/4		1/4	
1/2	1,248.05	1/2	973.09	1/2	704.16	1/2	430.05	1/2	155.11	1/2		1/2		1/2		1/2		1/2	
3/4	1,242.32	3/4	967.37	3/4	698.60	3/4	424.32	3/4	149.38	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/12/2019 CL  
CALCULATED: 11/12/2019 CL  
PRINTED: 11/12/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2019

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



# BARGE "FMT 1404"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 3/4"

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	3,542.62	0	3,323.50	0	3,077.69	0	2,831.88	0	2,586.07	0	2,340.27	0	2,094.46	0	1,848.65	0	1,602.84
1/4		1/4	3,541.77	1/4	3,318.38	1/4	3,072.57	1/4	2,826.76	1/4	2,580.95	1/4	2,335.15	1/4	2,089.34	1/4	1,843.53	1/4	1,597.72
1/2		1/2	3,540.92	1/2	3,313.26	1/2	3,067.45	1/2	2,821.64	1/2	2,575.83	1/2	2,330.02	1/2	2,084.22	1/2	1,838.41	1/2	1,592.60
3/4		3/4	3,540.07	3/4	3,308.14	3/4	3,062.33	3/4	2,816.52	3/4	2,570.71	3/4	2,324.90	3/4	2,079.10	3/4	1,833.29	3/4	1,587.48
1		1	3,537.51	1	3,303.01	1	3,057.21	1	2,811.40	1	2,565.59	1	2,319.78	1	2,073.97	1	1,828.17	1	1,582.36
1/4		1/4	3,534.95	1/4	3,297.89	1/4	3,052.09	1/4	2,806.28	1/4	2,560.47	1/4	2,314.66	1/4	2,068.85	1/4	1,823.05	1/4	1,577.24
1/2		1/2	3,532.39	1/2	3,292.77	1/2	3,046.96	1/2	2,801.16	1/2	2,555.35	1/2	2,309.54	1/2	2,063.73	1/2	1,817.92	1/2	1,572.12
3/4		3/4	3,529.83	3/4	3,287.65	3/4	3,041.84	3/4	2,796.04	3/4	2,550.23	3/4	2,304.42	3/4	2,058.61	3/4	1,812.80	3/4	1,567.00
2		2	3,525.56	2	3,282.53	2	3,036.72	2	2,790.91	2	2,545.11	2	2,299.30	2	2,053.49	2	1,807.68	2	1,561.87
1/4		1/4	3,521.30	1/4	3,277.41	1/4	3,031.60	1/4	2,785.79	1/4	2,539.99	1/4	2,294.18	1/4	2,048.37	1/4	1,802.56	1/4	1,556.75
1/2		1/2	3,517.03	1/2	3,272.29	1/2	3,026.48	1/2	2,780.67	1/2	2,534.86	1/2	2,289.06	1/2	2,043.25	1/2	1,797.44	1/2	1,551.63
3/4		3/4	3,512.77	3/4	3,267.17	3/4	3,021.36	3/4	2,775.55	3/4	2,529.74	3/4	2,283.94	3/4	2,038.13	3/4	1,792.32	3/4	1,546.51
3		3	3,507.69	3	3,262.05	3	3,016.24	3	2,770.43	3	2,524.62	3	2,278.81	3	2,033.01	3	1,787.20	3	1,541.39
1/4		1/4	3,502.61	1/4	3,256.93	1/4	3,011.12	1/4	2,765.31	1/4	2,519.50	1/4	2,273.69	1/4	2,027.89	1/4	1,782.08	1/4	1,536.27
1/2		1/2	3,497.54	1/2	3,251.80	1/2	3,006.00	1/2	2,760.19	1/2	2,514.38	1/2	2,268.57	1/2	2,022.76	1/2	1,776.96	1/2	1,531.15
3/4		3/4	3,492.46	3/4	3,246.68	3/4	3,000.88	3/4	2,755.07	3/4	2,509.26	3/4	2,263.45	3/4	2,017.64	3/4	1,771.84	3/4	1,526.03
4		4	3,487.35	4	3,241.56	4	2,995.75	4	2,749.95	4	2,504.14	4	2,258.33	4	2,012.52	4	1,766.71	4	1,520.91
1/4		1/4	3,482.24	1/4	3,236.44	1/4	2,990.63	1/4	2,744.83	1/4	2,499.02	1/4	2,253.21	1/4	2,007.40	1/4	1,761.59	1/4	1,515.79
1/2		1/2	3,477.14	1/2	3,231.32	1/2	2,985.51	1/2	2,739.70	1/2	2,493.90	1/2	2,248.09	1/2	2,002.28	1/2	1,756.47	1/2	1,510.66
3/4		3/4	3,472.03	3/4	3,226.20	3/4	2,980.39	3/4	2,734.58	3/4	2,488.78	3/4	2,242.97	3/4	1,997.16	3/4	1,751.35	3/4	1,505.54
5		5	3,466.90	5	3,221.08	5	2,975.27	5	2,729.46	5	2,483.65	5	2,237.85	5	1,992.04	5	1,746.23	5	1,500.42
1/4		1/4	3,461.78	1/4	3,215.96	1/4	2,970.15	1/4	2,724.34	1/4	2,478.53	1/4	2,232.73	1/4	1,986.92	1/4	1,741.11	1/4	1,495.30
1/2		1/2	3,456.65	1/2	3,210.84	1/2	2,965.03	1/2	2,719.22	1/2	2,473.41	1/2	2,227.60	1/2	1,981.80	1/2	1,735.99	1/2	1,490.18
3/4		3/4	3,451.52	3/4	3,205.72	3/4	2,959.91	3/4	2,714.10	3/4	2,468.29	3/4	2,222.48	3/4	1,976.68	3/4	1,730.87	3/4	1,485.06
6		6	3,446.40	6	3,200.59	6	2,954.79	6	2,708.98	6	2,463.17	6	2,217.36	6	1,971.55	6	1,725.75	6	1,479.94
1/4		1/4	3,441.28	1/4	3,195.47	1/4	2,949.67	1/4	2,703.86	1/4	2,458.05	1/4	2,212.24	1/4	1,966.43	1/4	1,720.63	1/4	1,474.82
1/2		1/2	3,436.16	1/2	3,190.35	1/2	2,944.54	1/2	2,698.74	1/2	2,452.93	1/2	2,207.12	1/2	1,961.31	1/2	1,715.50	1/2	1,469.70
3/4		3/4	3,431.04	3/4	3,185.23	3/4	2,939.42	3/4	2,693.62	3/4	2,447.81	3/4	2,202.00	3/4	1,956.19	3/4	1,710.38	3/4	1,464.58
7		7	3,425.92	7	3,180.11	7	2,934.30	7	2,688.49	7	2,442.69	7	2,196.88	7	1,951.07	7	1,705.26	7	1,459.45
1/4		1/4	3,420.80	1/4	3,174.99	1/4	2,929.18	1/4	2,683.37	1/4	2,437.57	1/4	2,191.76	1/4	1,945.95	1/4	1,700.14	1/4	1,454.33
1/2		1/2	3,415.68	1/2	3,169.87	1/2	2,924.06	1/2	2,678.25	1/2	2,432.44	1/2	2,186.64	1/2	1,940.83	1/2	1,695.02	1/2	1,449.21
3/4		3/4	3,410.56	3/4	3,164.75	3/4	2,918.94	3/4	2,673.13	3/4	2,427.32	3/4	2,181.52	3/4	1,935.71	3/4	1,689.90	3/4	1,444.09
8		8	3,405.43	8	3,159.63	8	2,913.82	8	2,668.01	8	2,422.20	8	2,176.39	8	1,930.59	8	1,684.78	8	1,438.97
1/4		1/4	3,400.31	1/4	3,154.51	1/4	2,908.70	1/4	2,662.89	1/4	2,417.08	1/4	2,171.27	1/4	1,925.47	1/4	1,679.66	1/4	1,433.85
1/2		1/2	3,395.19	1/2	3,149.38	1/2	2,903.58	1/2	2,657.77	1/2	2,411.96	1/2	2,166.15	1/2	1,920.34	1/2	1,674.54	1/2	1,428.73
3/4		3/4	3,390.07	3/4	3,144.26	3/4	2,898.46	3/4	2,652.65	3/4	2,406.84	3/4	2,161.03	3/4	1,915.22	3/4	1,669.42	3/4	1,423.61
9		9	3,384.95	9	3,139.14	9	2,893.33	9	2,647.53	9	2,401.72	9	2,155.91	9	1,910.10	9	1,664.29	9	1,418.49
1/4		1/4	3,379.83	1/4	3,134.02	1/4	2,888.21	1/4	2,642.41	1/4	2,396.60	1/4	2,150.79	1/4	1,904.98	1/4	1,659.17	1/4	1,413.37
1/2		1/2	3,374.71	1/2	3,128.90	1/2	2,883.09	1/2	2,637.28	1/2	2,391.48	1/2	2,145.67	1/2	1,899.86	1/2	1,654.05	1/2	1,408.24
3/4		3/4	3,369.59	3/4	3,123.78	3/4	2,877.97	3/4	2,632.16	3/4	2,386.36	3/4	2,140.55	3/4	1,894.74	3/4	1,648.93	3/4	1,403.12
10		10	3,364.47	10	3,118.66	10	2,872.85	10	2,627.04	10	2,381.23	10	2,135.43	10	1,889.62	10	1,643.81	10	1,398.00
1/4		1/4	3,359.35	1/4	3,113.54	1/4	2,867.73	1/4	2,621.92	1/4	2,376.11	1/4	2,130.31	1/4	1,884.50	1/4	1,638.69	1/4	1,392.88
1/2		1/2	3,354.22	1/2	3,108.42	1/2	2,862.61	1/2	2,616.80	1/2	2,370.99	1/2	2,125.18	1/2	1,879.38	1/2	1,633.57	1/2	1,387.76
3/4		3/4	3,349.10	3/4	3,103.30	3/4	2,857.49	3/4	2,611.68	3/4	2,365.87	3/4	2,120.06	3/4	1,874.26	3/4	1,628.45	3/4	1,382.64
11		11	3,343.98	11	3,098.17	11	2,852.37	11	2,606.56	11	2,360.75	11	2,114.94	11	1,869.13	11	1,623.33	11	1,377.52
1/4		1/4	3,338.86	1/4	3,093.05	1/4	2,847.25	1/4	2,601.44	1/4	2,355.63	1/4	2,109.82	1/4	1,864.01	1/4	1,618.21	1/4	1,372.40
1/2		1/2	3,333.74	1/2	3,087.93	1/2	2,842.12	1/2	2,596.32	1/2	2,350.51	1/2	2,104.70	1/2	1,858.89	1/2	1,613.08	1/2	1,367.28
3/4		3/4	3,543.48	3/4	3,328.62	3/4	3,082.81	3/4	2,837.00	3/4	2,591.20	3/4	2,345.39	3/4	2,099.58	3/4	1,853.77	3/4	1,607.96

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT 2" DIAMETER "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 1404"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 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	1,357.03	0	1,111.23	0	865.42	0	620.07	0	374.30	0	128.50	0		0		0		0	
1/4	1,351.91	1/4	1,106.11	1/4	860.30	1/4	614.96	1/4	369.18	1/4	123.38	1/4		1/4		1/4		1/4	
1/2	1,346.79	1/2	1,100.98	1/2	855.18	1/2	609.85	1/2	364.06	1/2	118.26	1/2		1/2		1/2		1/2	
3/4	1,341.67	3/4	1,095.86	3/4	850.06	3/4	604.73	3/4	358.93	3/4	113.14	3/4		3/4		3/4		3/4	
1	1,336.55	1	1,090.74	1	844.93	1	599.61	1	353.81	1	108.02	1		1		1		1	
1/4	1,331.43	1/4	1,085.62	1/4	839.81	1/4	594.49	1/4	348.69	1/4	102.89	1/4		1/4		1/4		1/4	
1/2	1,326.31	1/2	1,080.50	1/2	834.69	1/2	589.37	1/2	343.57	1/2	97.77	1/2		1/2		1/2		1/2	
3/4	1,321.19	3/4	1,075.38	3/4	829.57	3/4	584.25	3/4	338.45	3/4	92.65	3/4		3/4		3/4		3/4	
2	1,316.07	2	1,070.26	2	824.45	2	579.13	2	333.33	2	87.53	2		2		2		2	
1/4	1,310.95	1/4	1,065.14	1/4	819.33	1/4	574.01	1/4	328.21	1/4	82.41	1/4		1/4		1/4		1/4	
1/2	1,305.82	1/2	1,060.02	1/2	814.21	1/2	568.89	1/2	323.09	1/2	77.30	1/2		1/2		1/2		1/2	
3/4	1,300.70	3/4	1,054.90	3/4	809.09	3/4	563.77	3/4	317.97	3/4	72.18	3/4		3/4		3/4		3/4	
3	1,295.58	3	1,049.77	3	803.97	3	558.65	3	312.85	3	67.07	3		3		3		3	
1/4	1,290.46	1/4	1,044.65	1/4	798.86	1/4	553.53	1/4	307.73	1/4	61.96	1/4		1/4		1/4		1/4	
1/2	1,285.34	1/2	1,039.53	1/2	793.75	1/2	548.40	1/2	302.61	1/2	56.85	1/2		1/2		1/2		1/2	
3/4	1,280.22	3/4	1,034.41	3/4	788.64	3/4	543.28	3/4	297.49	3/4	51.74	3/4		3/4		3/4		3/4	
4	1,275.10	4	1,029.29	4	783.53	4	538.16	4	292.36	4	46.67	4		4		4		4	
1/4	1,269.98	1/4	1,024.17	1/4	778.42	1/4	533.04	1/4	287.24	1/4	41.59	1/4		1/4		1/4		1/4	
1/2	1,264.86	1/2	1,019.05	1/2	773.31	1/2	527.92	1/2	282.12	1/2	36.51	1/2		1/2		1/2		1/2	
3/4	1,259.74	3/4	1,013.93	3/4	768.21	3/4	522.80	3/4	277.00	3/4	31.44	3/4		3/4		3/4		3/4	
5	1,254.61	5	1,008.81	5	763.10	5	517.68	5	271.88	5	27.17	5		5		5		5	
1/4	1,249.49	1/4	1,003.69	1/4	757.99	1/4	512.56	1/4	266.76	1/4	22.91	1/4		1/4		1/4		1/4	
1/2	1,244.37	1/2	998.56	1/2	752.88	1/2	507.44	1/2	261.64	1/2	18.64	1/2		1/2		1/2		1/2	
3/4	1,239.25	3/4	993.44	3/4	747.77	3/4	502.32	3/4	256.52	3/4	14.38	3/4		3/4		3/4		3/4	
6	1,234.13	6	988.32	6	742.67	6	497.20	6	251.40	6	11.82	6		6		6		6	
1/4	1,229.01	1/4	983.20	1/4	737.56	1/4	492.08	1/4	246.28	1/4	9.26	1/4		1/4		1/4		1/4	
1/2	1,223.89	1/2	978.08	1/2	732.45	1/2	486.95	1/2	241.16	1/2	6.70	1/2		1/2		1/2		1/2	
3/4	1,218.77	3/4	972.96	3/4	727.34	3/4	481.83	3/4	236.04	3/4	4.14	3/4		3/4		3/4		3/4	
7	1,213.65	7	967.84	7	722.24	7	476.71	7	230.91	7	3.29	7		7		7		7	
1/4	1,208.53	1/4	962.72	1/4	717.13	1/4	471.59	1/4	225.79	1/4	2.44	1/4		1/4		1/4		1/4	
1/2	1,203.40	1/2	957.60	1/2	712.02	1/2	466.47	1/2	220.67	1/2	1.58	1/2		1/2		1/2		1/2	
3/4	1,198.28	3/4	952.48	3/4	706.91	3/4	461.35	3/4	215.55	3/4	0.73	3/4		3/4		3/4		3/4	
8	1,193.16	8	947.35	8	701.80	8	456.23	8	210.43	8		8		8		8		8	
1/4	1,188.04	1/4	942.23	1/4	696.70	1/4	451.11	1/4	205.31	1/4		1/4		1/4		1/4		1/4	
1/2	1,182.92	1/2	937.11	1/2	691.59	1/2	445.99	1/2	200.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,177.80	3/4	931.99	3/4	686.48	3/4	440.87	3/4	195.07	3/4		3/4		3/4		3/4		3/4	
9	1,172.68	9	926.87	9	681.37	9	435.75	9	189.95	9		9		9		9		9	
1/4	1,167.56	1/4	921.75	1/4	676.27	1/4	430.63	1/4	184.83	1/4		1/4		1/4		1/4		1/4	
1/2	1,162.44	1/2	916.63	1/2	671.16	1/2	425.51	1/2	179.71	1/2		1/2		1/2		1/2		1/2	
3/4	1,157.32	3/4	911.51	3/4	666.05	3/4	420.38	3/4	174.59	3/4		3/4		3/4		3/4		3/4	
10	1,152.19	10	906.39	10	660.94	10	415.26	10	169.47	10		10		10		10		10	
1/4	1,147.07	1/4	901.27	1/4	655.83	1/4	410.14	1/4	164.34	1/4		1/4		1/4		1/4		1/4	
1/2	1,141.95	1/2	896.14	1/2	650.73	1/2	405.02	1/2	159.22	1/2		1/2		1/2		1/2		1/2	
3/4	1,136.83	3/4	891.02	3/4	645.62	3/4	399.90	3/4	154.10	3/4		3/4		3/4		3/4		3/4	
11	1,131.71	11	885.90	11	640.51	11	394.78	11	148.98	11		11		11		11		11	
1/4	1,126.59	1/4	880.78	1/4	635.40	1/4	389.66	1/4	143.86	1/4		1/4		1/4		1/4		1/4	
1/2	1,121.47	1/2	875.66	1/2	630.30	1/2	384.54	1/2	138.74	1/2		1/2		1/2		1/2		1/2	
3/4	1,116.35	3/4	870.54	3/4	625.19	3/4	379.42	3/4	133.62	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/12/2019 CL  
CALCULATED: 11/12/2019 CL  
PRINTED: 11/12/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2019

PRECISION MEASUREMENT  
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