



# BARGE "PTC 1401"

ULLAGE (HERMETIC OR 8" HATCH)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
3 PORT	00-5/8	- 00-5/8	01-3/8	- 01-3/8	02-0/8	- 02-0/8	02-3/4	- 02-3/4	03-3/8	- 03-3/8	04-1/8	- 04-1/8
3 STBD	00-5/8	- 00-5/8	01-3/8	- 01-3/8	02-0/8	- 02-0/8	02-3/4	- 02-3/4	03-3/8	- 03-3/8	04-1/8	- 04-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"  
 AFT DRAFT = 6'-00"  
 DIFF. = 4'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 235'-06"

July 29, 2014

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

<http://www.pmacorp.net>





# BARGE "PTC 1401"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

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	4,998.63	0	4,660.51	0	4,303.61	0	3,945.60	0	3,587.58	0	3,229.57	0	2,871.51	0	2,513.30	0	2,155.09
1/4		1/4	4,994.16	1/4	4,653.11	1/4	4,296.16	1/4	3,938.14	1/4	3,580.13	1/4	3,222.11	1/4	2,864.05	1/4	2,505.84	1/4	2,147.63
1/2		1/2	4,989.69	1/2	4,645.72	1/2	4,288.70	1/2	3,930.68	1/2	3,572.67	1/2	3,214.65	1/2	2,856.59	1/2	2,498.38	1/2	2,140.17
3/4		3/4	4,984.16	3/4	4,638.29	3/4	4,281.24	3/4	3,923.23	3/4	3,565.21	3/4	3,207.19	3/4	2,849.12	3/4	2,490.91	3/4	2,132.70
1		1	4,978.62	1	4,630.86	1	4,273.78	1	3,915.77	1	3,557.75	1	3,199.73	1	2,841.66	1	2,483.45	1	2,125.24
1/4		1/4	4,973.08	1/4	4,623.44	1/4	4,266.33	1/4	3,908.31	1/4	3,550.29	1/4	3,192.27	1/4	2,834.20	1/4	2,475.99	1/4	2,117.78
1/2		1/2	4,967.55	1/2	4,616.01	1/2	4,258.87	1/2	3,900.85	1/2	3,542.83	1/2	3,184.81	1/2	2,826.73	1/2	2,468.53	1/2	2,110.32
3/4		3/4	4,960.95	3/4	4,608.57	3/4	4,251.41	3/4	3,893.39	3/4	3,535.37	3/4	3,177.36	3/4	2,819.27	3/4	2,461.06	3/4	2,102.85
2		2	4,954.35	2	4,601.13	2	4,243.95	2	3,885.93	2	3,527.91	2	3,169.90	2	2,811.81	2	2,453.60	2	2,095.39
1/4		1/4	4,947.75	1/4	4,593.70	1/4	4,236.49	1/4	3,878.47	1/4	3,520.46	1/4	3,162.44	1/4	2,804.35	1/4	2,446.14	1/4	2,087.93
1/2		1/2	4,941.15	1/2	4,586.26	1/2	4,229.03	1/2	3,871.01	1/2	3,513.00	1/2	3,154.98	1/2	2,796.88	1/2	2,438.67	1/2	2,080.46
3/4		3/4	4,933.88	3/4	4,578.82	3/4	4,221.57	3/4	3,863.56	3/4	3,505.54	3/4	3,147.52	3/4	2,789.42	3/4	2,431.21	3/4	2,073.00
3		3	4,926.61	3	4,571.39	3	4,214.11	3	3,856.10	3	3,498.08	3	3,140.06	3	2,781.96	3	2,423.75	3	2,065.54
1/4		1/4	4,919.34	1/4	4,563.95	1/4	4,206.66	1/4	3,848.64	1/4	3,490.62	1/4	3,132.60	1/4	2,774.50	1/4	2,416.29	1/4	2,058.08
1/2		1/2	4,912.07	1/2	4,556.51	1/2	4,199.20	1/2	3,841.18	1/2	3,483.16	1/2	3,125.14	1/2	2,767.03	1/2	2,408.82	1/2	2,050.61
3/4		3/4	4,904.67	3/4	4,549.08	3/4	4,191.74	3/4	3,833.72	3/4	3,475.70	3/4	3,117.69	3/4	2,759.57	3/4	2,401.36	3/4	2,043.15
4		4	4,897.27	4	4,541.64	4	4,184.28	4	3,826.26	4	3,468.24	4	3,110.23	4	2,752.11	4	2,393.90	4	2,035.69
1/4		1/4	4,889.87	1/4	4,534.20	1/4	4,176.82	1/4	3,818.80	1/4	3,460.79	1/4	3,102.77	1/4	2,744.64	1/4	2,386.44	1/4	2,028.23
1/2		1/2	4,882.47	1/2	4,526.76	1/2	4,169.36	1/2	3,811.35	1/2	3,453.33	1/2	3,095.31	1/2	2,737.18	1/2	2,378.97	1/2	2,020.76
3/4		3/4	4,875.07	3/4	4,519.33	3/4	4,161.90	3/4	3,803.89	3/4	3,445.87	3/4	3,087.85	3/4	2,729.72	3/4	2,371.51	3/4	2,013.30
5		5	4,867.67	5	4,511.89	5	4,154.45	5	3,796.43	5	3,438.41	5	3,080.39	5	2,722.26	5	2,364.05	5	2,005.84
1/4		1/4	4,860.26	1/4	4,504.45	1/4	4,146.99	1/4	3,788.97	1/4	3,430.95	1/4	3,072.93	1/4	2,714.79	1/4	2,356.58	1/4	1,998.37
1/2		1/2	4,852.86	1/2	4,497.02	1/2	4,139.53	1/2	3,781.51	1/2	3,423.49	1/2	3,065.48	1/2	2,707.33	1/2	2,349.12	1/2	1,990.91
3/4		3/4	4,845.46	3/4	4,489.58	3/4	4,132.07	3/4	3,774.05	3/4	3,416.03	3/4	3,058.02	3/4	2,699.87	3/4	2,341.66	3/4	1,983.45
6		6	4,838.06	6	4,482.14	6	4,124.61	6	3,766.59	6	3,408.58	6	3,050.56	6	2,692.41	6	2,334.20	6	1,975.99
1/4		1/4	4,830.66	1/4	4,474.70	1/4	4,117.15	1/4	3,759.13	1/4	3,401.12	1/4	3,043.10	1/4	2,684.94	1/4	2,326.73	1/4	1,968.52
1/2		1/2	4,823.26	1/2	4,467.27	1/2	4,109.69	1/2	3,751.68	1/2	3,393.66	1/2	3,035.64	1/2	2,677.48	1/2	2,319.27	1/2	1,961.06
3/4		3/4	4,815.86	3/4	4,459.83	3/4	4,102.23	3/4	3,744.22	3/4	3,386.20	3/4	3,028.18	3/4	2,670.02	3/4	2,311.81	3/4	1,953.60
7		7	4,808.46	7	4,452.39	7	4,094.78	7	3,736.76	7	3,378.74	7	3,020.72	7	2,662.56	7	2,304.35	7	1,946.14
1/4		1/4	4,801.06	1/4	4,444.96	1/4	4,087.32	1/4	3,729.30	1/4	3,371.28	1/4	3,013.26	1/4	2,655.09	1/4	2,296.88	1/4	1,938.67
1/2		1/2	4,793.66	1/2	4,437.52	1/2	4,079.86	1/2	3,721.84	1/2	3,363.82	1/2	3,005.81	1/2	2,647.63	1/2	2,289.42	1/2	1,931.21
3/4		3/4	4,786.27	3/4	4,430.08	3/4	4,072.40	3/4	3,714.38	3/4	3,356.36	3/4	2,998.35	3/4	2,640.17	3/4	2,281.96	3/4	1,923.75
8		8	4,778.87	8	4,422.64	8	4,064.94	8	3,706.92	8	3,348.91	8	2,990.89	8	2,632.70	8	2,274.49	8	1,916.29
1/4		1/4	4,771.47	1/4	4,415.21	1/4	4,057.48	1/4	3,699.46	1/4	3,341.45	1/4	2,983.43	1/4	2,625.24	1/4	2,267.03	1/4	1,908.82
1/2		1/2	4,764.07	1/2	4,407.77	1/2	4,050.02	1/2	3,692.01	1/2	3,333.99	1/2	2,975.97	1/2	2,617.78	1/2	2,259.57	1/2	1,901.36
3/4		3/4	4,756.68	3/4	4,400.33	3/4	4,042.56	3/4	3,684.55	3/4	3,326.53	3/4	2,968.51	3/4	2,610.32	3/4	2,252.11	3/4	1,893.90
9		9	4,749.28	9	4,392.90	9	4,035.11	9	3,677.09	9	3,319.07	9	2,961.05	9	2,602.85	9	2,244.64	9	1,886.43
1/4		1/4	4,741.88	1/4	4,385.46	1/4	4,027.65	1/4	3,669.63	1/4	3,311.61	1/4	2,953.59	1/4	2,595.39	1/4	2,237.18	1/4	1,878.97
1/2		1/2	4,734.48	1/2	4,378.02	1/2	4,020.19	1/2	3,662.17	1/2	3,304.15	1/2	2,946.14	1/2	2,587.93	1/2	2,229.72	1/2	1,871.51
3/4		3/4	4,727.09	3/4	4,370.58	3/4	4,012.73	3/4	3,654.71	3/4	3,296.69	3/4	2,938.68	3/4	2,580.47	3/4	2,222.26	3/4	1,864.05
10		10	4,719.69	10	4,363.15	10	4,005.27	10	3,647.25	10	3,289.24	10	2,931.22	10	2,573.00	10	2,214.79	10	1,856.58
1/4		1/4	4,712.29	1/4	4,355.71	1/4	3,997.81	1/4	3,639.79	1/4	3,281.78	1/4	2,923.76	1/4	2,565.54	1/4	2,207.33	1/4	1,849.12
1/2		1/2	4,704.90	1/2	4,348.27	1/2	3,990.35	1/2	3,632.34	1/2	3,274.32	1/2	2,916.30	1/2	2,558.08	1/2	2,199.87	1/2	1,841.66
3/4		3/4	4,697.50	3/4	4,340.84	3/4	3,982.90	3/4	3,624.88	3/4	3,266.86	3/4	2,908.83	3/4	2,550.61	3/4	2,192.41	3/4	1,834.20
11		11	4,690.10	11	4,333.40	11	3,975.44	11	3,617.42	11	3,259.40	11	2,901.37	11	2,543.15	11	2,184.94	11	1,826.73
1/4		1/4	4,682.70	1/4	4,325.96	1/4	3,967.98	1/4	3,609.96	1/4	3,251.94	1/4	2,893.90	1/4	2,535.69	1/4	2,177.48	1/4	1,819.27
1/2		1/2	4,675.31	1/2	4,318.53	1/2	3,960.52	1/2	3,602.50	1/2	3,244.48	1/2	2,886.44	1/2	2,528.23	1/2	2,170.02	1/2	1,811.81
3/4		3/4	5,003.10	3/4	4,667.91	3/4	4,311.07	3/4	3,953.06	3/4	3,595.04	3/4	3,237.03	3/4	2,878.97	3/4	2,520.76	3/4	1,804.34

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO 8 INCH HATCH OR TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (8 INCH HATCH OR HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092

Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "PTC 1401"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	1,796.88	0	1,438.67	0	1,080.61	0	724.46	0	375.16	0	65.69	0		0		0		0	
1/4	1,789.42	1/4	1,431.21	1/4	1,073.18	1/4	717.00	1/4	368.07	1/4	59.86	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,781.96	1/2	1,423.75	1/2	1,065.74	1/2	709.54	1/2	360.98	1/2	53.82	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,774.49	3/4	1,416.28	3/4	1,058.32	3/4	702.08	3/4	353.98	3/4	48.58	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,767.03	1	1,408.82	1	1,050.90	1	694.61	1	346.98	1	43.33	1	1	1	1	1	1	1	1
1/4	1,759.57	1/4	1,401.36	1/4	1,043.48	1/4	687.15	1/4	339.98	1/4	38.09	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,752.11	1/2	1,393.90	1/2	1,036.05	1/2	679.69	1/2	332.98	1/2	32.84	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,744.64	3/4	1,386.43	3/4	1,028.63	3/4	672.23	3/4	326.07	3/4	29.32	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,737.18	2	1,378.97	2	1,021.21	2	664.76	2	319.15	2	25.79	2	2	2	2	2	2	2	2
1/4	1,729.72	1/4	1,371.51	1/4	1,013.80	1/4	657.30	1/4	312.24	1/4	22.26	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,722.26	1/2	1,364.05	1/2	1,006.38	1/2	649.84	1/2	305.33	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,714.79	3/4	1,356.58	3/4	998.96	3/4	642.38	3/4	298.50	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,707.33	3	1,349.12	3	991.55	3	635.11	3	291.68	3		3	3	3	3	3	3	3	3
1/4	1,699.87	1/4	1,341.66	1/4	984.13	1/4	627.85	1/4	284.85	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,692.40	1/2	1,334.19	1/2	976.72	1/2	620.59	1/2	278.03	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,684.94	3/4	1,326.73	3/4	969.31	3/4	613.33	3/4	271.29	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,677.48	4	1,319.27	4	961.90	4	606.07	4	264.56	4		4	4	4	4	4	4	4	4
1/4	1,670.02	1/4	1,311.81	1/4	954.49	1/4	598.81	1/4	257.82	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,662.55	1/2	1,304.34	1/2	947.07	1/2	591.55	1/2	251.08	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,655.09	3/4	1,296.88	3/4	939.66	3/4	584.29	3/4	244.43	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,647.63	5	1,289.42	5	932.25	5	577.03	5	237.79	5		5	5	5	5	5	5	5	5
1/4	1,640.17	1/4	1,281.96	1/4	924.84	1/4	569.77	1/4	231.14	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,632.70	1/2	1,274.49	1/2	917.43	1/2	562.50	1/2	224.69	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,625.24	3/4	1,267.03	3/4	910.01	3/4	555.24	3/4	218.33	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,617.78	6	1,259.57	6	902.60	6	547.98	6	211.97	6		6	6	6	6	6	6	6	6
1/4	1,610.31	1/4	1,252.10	1/4	895.19	1/4	540.72	1/4	205.61	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,602.85	1/2	1,244.64	1/2	887.78	1/2	533.46	1/2	199.25	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,595.39	3/4	1,237.18	3/4	880.37	3/4	526.20	3/4	192.98	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,587.93	7	1,229.72	7	872.95	7	518.94	7	186.71	7		7	7	7	7	7	7	7	7
1/4	1,580.46	1/4	1,222.25	1/4	865.54	1/4	511.68	1/4	180.44	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,573.00	1/2	1,214.79	1/2	858.13	1/2	504.42	1/2	174.17	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,565.54	3/4	1,207.33	3/4	850.72	3/4	497.19	3/4	167.99	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,558.08	8	1,199.87	8	843.31	8	489.96	8	161.80	8		8	8	8	8	8	8	8	8
1/4	1,550.61	1/4	1,192.40	1/4	835.89	1/4	482.73	1/4	155.62	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,543.15	1/2	1,184.94	1/2	828.48	1/2	475.50	1/2	149.44	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,535.69	3/4	1,177.48	3/4	821.07	3/4	468.35	3/4	143.34	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,528.22	9	1,170.02	9	813.66	9	461.20	9	137.25	9		9	9	9	9	9	9	9	9
1/4	1,520.76	1/4	1,162.55	1/4	806.25	1/4	454.05	1/4	131.15	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,513.30	1/2	1,155.09	1/2	798.84	1/2	446.90	1/2	125.05	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,505.84	3/4	1,147.63	3/4	791.42	3/4	439.84	3/4	119.05	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,498.37	10	1,140.16	10	784.01	10	432.57	10	113.04	10		10	10	10	10	10	10	10	10
1/4	1,490.91	1/4	1,132.70	1/4	776.60	1/4	425.31	1/4	107.03	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,483.45	1/2	1,125.24	1/2	769.19	1/2	418.04	1/2	101.03	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,475.99	3/4	1,117.80	3/4	761.74	3/4	410.87	3/4	95.11	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,468.52	11	1,110.36	11	754.29	11	403.69	11	89.19	11		11	11	11	11	11	11	11	11
1/4	1,461.06	1/4	1,102.92	1/4	746.84	1/4	396.51	1/4	83.27	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,453.60	1/2	1,095.48	1/2	739.39	1/2	389.34	1/2	77.35	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,446.14	3/4	1,088.04	3/4	731.93	3/4	382.25	3/4	71.52	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: 07/29/2014 SW  
CALCULATED: 07/29/2014 CL  
PRINTED: 07/30/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2014

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



# BARGE "PTC 1401"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/2"

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	5,004.68	0	4,669.49	0	4,312.66	0	3,954.66	0	3,596.65	0	3,238.64	0	2,880.59	0	2,522.39	0	2,164.19
1/4	1/4	1/4	5,000.21	1/4	4,662.10	1/4	4,305.21	1/4	3,947.20	1/4	3,589.19	1/4	3,231.18	1/4	2,873.13	1/4	2,514.93	1/4	2,156.72
1/2	1/2	1/2	4,995.74	1/2	4,654.70	1/2	4,297.75	1/2	3,939.74	1/2	3,581.73	1/2	3,223.72	1/2	2,865.67	1/2	2,507.46	1/2	2,149.26
3/4	3/4	3/4	4,991.27	3/4	4,647.30	3/4	4,290.30	3/4	3,932.29	3/4	3,574.27	3/4	3,216.26	3/4	2,858.21	3/4	2,500.00	3/4	2,141.80
1	1	1	4,985.74	1	4,639.88	1	4,282.84	1	3,924.83	1	3,566.81	1	3,208.80	1	2,850.74	1	2,492.54	1	2,134.33
1/4	1/4	1/4	4,980.20	1/4	4,632.45	1/4	4,275.38	1/4	3,917.37	1/4	3,559.36	1/4	3,201.34	1/4	2,843.28	1/4	2,485.08	1/4	2,126.87
1/2	1/2	1/2	4,974.67	1/2	4,625.02	1/2	4,267.92	1/2	3,909.91	1/2	3,551.90	1/2	3,193.88	1/2	2,835.82	1/2	2,477.61	1/2	2,119.41
3/4	3/4	3/4	4,969.13	3/4	4,617.60	3/4	4,260.46	3/4	3,902.45	3/4	3,544.44	3/4	3,186.43	3/4	2,828.36	3/4	2,470.15	3/4	2,111.95
2	2	2	4,962.53	2	4,610.16	2	4,253.01	2	3,894.99	2	3,536.98	2	3,178.97	2	2,820.89	2	2,462.69	2	2,104.48
1/4	1/4	1/4	4,955.93	1/4	4,602.72	1/4	4,245.55	1/4	3,887.53	1/4	3,529.52	1/4	3,171.51	1/4	2,813.43	1/4	2,455.23	1/4	2,097.02
1/2	1/2	1/2	4,949.33	1/2	4,595.29	1/2	4,238.09	1/2	3,880.08	1/2	3,522.06	1/2	3,164.05	1/2	2,805.97	1/2	2,447.76	1/2	2,089.56
3/4	3/4	3/4	4,942.73	3/4	4,587.85	3/4	4,230.63	3/4	3,872.62	3/4	3,514.60	3/4	3,156.59	3/4	2,798.51	3/4	2,440.30	3/4	2,082.10
3	3	3	4,935.46	3	4,580.41	3	4,223.17	3	3,865.16	3	3,507.15	3	3,149.13	3	2,791.04	3	2,432.84	3	2,074.63
1/4	1/4	1/4	4,928.19	1/4	4,572.97	1/4	4,215.71	1/4	3,857.70	1/4	3,499.69	1/4	3,141.67	1/4	2,783.58	1/4	2,425.38	1/4	2,067.17
1/2	1/2	1/2	4,920.92	1/2	4,565.54	1/2	4,208.25	1/2	3,850.24	1/2	3,492.23	1/2	3,134.22	1/2	2,776.12	1/2	2,417.91	1/2	2,059.71
3/4	3/4	3/4	4,913.66	3/4	4,558.10	3/4	4,200.80	3/4	3,842.78	3/4	3,484.77	3/4	3,126.76	3/4	2,768.66	3/4	2,410.45	3/4	2,052.25
4	4	4	4,906.25	4	4,550.66	4	4,193.34	4	3,835.32	4	3,477.31	4	3,119.30	4	2,761.19	4	2,402.99	4	2,044.78
1/4	1/4	1/4	4,898.85	1/4	4,543.23	1/4	4,185.88	1/4	3,827.87	1/4	3,469.85	1/4	3,111.84	1/4	2,753.73	1/4	2,395.53	1/4	2,037.32
1/2	1/2	1/2	4,891.45	1/2	4,535.79	1/2	4,178.42	1/2	3,820.41	1/2	3,462.39	1/2	3,104.38	1/2	2,746.27	1/2	2,388.06	1/2	2,029.86
3/4	3/4	3/4	4,884.05	3/4	4,528.35	3/4	4,170.96	3/4	3,812.95	3/4	3,454.94	3/4	3,096.92	3/4	2,738.81	3/4	2,380.60	3/4	2,022.40
5	5	5	4,876.65	5	4,520.92	5	4,163.50	5	3,805.49	5	3,447.48	5	3,089.46	5	2,731.34	5	2,373.14	5	2,014.93
1/4	1/4	1/4	4,869.25	1/4	4,513.48	1/4	4,156.04	1/4	3,798.03	1/4	3,440.02	1/4	3,082.01	1/4	2,723.88	1/4	2,365.68	1/4	2,007.47
1/2	1/2	1/2	4,861.85	1/2	4,506.04	1/2	4,148.59	1/2	3,790.57	1/2	3,432.56	1/2	3,074.55	1/2	2,716.42	1/2	2,358.21	1/2	2,000.01
3/4	3/4	3/4	4,854.45	3/4	4,498.60	3/4	4,141.13	3/4	3,783.11	3/4	3,425.10	3/4	3,067.09	3/4	2,708.96	3/4	2,350.75	3/4	1,992.55
6	6	6	4,847.04	6	4,491.17	6	4,133.67	6	3,775.66	6	3,417.64	6	3,059.63	6	2,701.49	6	2,343.29	6	1,985.08
1/4	1/4	1/4	4,839.64	1/4	4,483.73	1/4	4,126.21	1/4	3,768.20	1/4	3,410.18	1/4	3,052.17	1/4	2,694.03	1/4	2,335.83	1/4	1,977.62
1/2	1/2	1/2	4,832.24	1/2	4,476.29	1/2	4,118.75	1/2	3,760.74	1/2	3,402.73	1/2	3,044.71	1/2	2,686.57	1/2	2,328.36	1/2	1,970.16
3/4	3/4	3/4	4,824.84	3/4	4,468.86	3/4	4,111.29	3/4	3,753.28	3/4	3,395.27	3/4	3,037.25	3/4	2,679.10	3/4	2,320.90	3/4	1,962.70
7	7	7	4,817.44	7	4,461.42	7	4,103.83	7	3,745.82	7	3,387.81	7	3,029.80	7	2,671.64	7	2,313.44	7	1,955.23
1/4	1/4	1/4	4,810.04	1/4	4,453.98	1/4	4,096.37	1/4	3,738.36	1/4	3,380.35	1/4	3,022.34	1/4	2,664.18	1/4	2,305.97	1/4	1,947.77
1/2	1/2	1/2	4,802.65	1/2	4,446.55	1/2	4,088.92	1/2	3,730.90	1/2	3,372.89	1/2	3,014.88	1/2	2,656.72	1/2	2,298.51	1/2	1,940.31
3/4	3/4	3/4	4,795.25	3/4	4,439.11	3/4	4,081.46	3/4	3,723.45	3/4	3,365.43	3/4	3,007.42	3/4	2,649.25	3/4	2,291.05	3/4	1,932.84
8	8	8	4,787.85	8	4,431.67	8	4,074.00	8	3,715.99	8	3,357.97	8	2,999.96	8	2,641.79	8	2,283.59	8	1,925.38
1/4	1/4	1/4	4,780.45	1/4	4,424.23	1/4	4,066.54	1/4	3,708.53	1/4	3,350.52	1/4	2,992.50	1/4	2,634.33	1/4	2,276.12	1/4	1,917.92
1/2	1/2	1/2	4,773.06	1/2	4,416.80	1/2	4,059.08	1/2	3,701.07	1/2	3,343.06	1/2	2,985.04	1/2	2,626.87	1/2	2,268.66	1/2	1,910.46
3/4	3/4	3/4	4,765.66	3/4	4,409.36	3/4	4,051.62	3/4	3,693.61	3/4	3,335.60	3/4	2,977.59	3/4	2,619.40	3/4	2,261.20	3/4	1,902.99
9	9	9	4,758.26	9	4,401.92	9	4,044.16	9	3,686.15	9	3,328.14	9	2,970.13	9	2,611.94	9	2,253.74	9	1,895.53
1/4	1/4	1/4	4,750.86	1/4	4,394.49	1/4	4,036.71	1/4	3,678.69	1/4	3,320.68	1/4	2,962.67	1/4	2,604.48	1/4	2,246.27	1/4	1,888.07
1/2	1/2	1/2	4,743.47	1/2	4,387.05	1/2	4,029.25	1/2	3,671.23	1/2	3,313.22	1/2	2,955.21	1/2	2,597.02	1/2	2,238.81	1/2	1,880.61
3/4	3/4	3/4	4,736.07	3/4	4,379.61	3/4	4,021.79	3/4	3,663.78	3/4	3,305.76	3/4	2,947.75	3/4	2,589.55	3/4	2,231.35	3/4	1,873.14
10	10	10	4,728.67	10	4,372.18	10	4,014.33	10	3,656.32	10	3,298.30	10	2,940.29	10	2,582.09	10	2,223.89	10	1,865.68
1/4	1/4	1/4	4,721.27	1/4	4,364.74	1/4	4,006.87	1/4	3,648.86	1/4	3,290.85	1/4	2,932.83	1/4	2,574.63	1/4	2,216.42	1/4	1,858.22
1/2	1/2	1/2	4,713.88	1/2	4,357.30	1/2	3,999.41	1/2	3,641.40	1/2	3,283.39	1/2	2,925.37	1/2	2,567.17	1/2	2,208.96	1/2	1,850.76
3/4	3/4	3/4	4,706.48	3/4	4,349.86	3/4	3,991.95	3/4	3,633.94	3/4	3,275.93	3/4	2,917.92	3/4	2,559.70	3/4	2,201.50	3/4	1,843.29
11	11	11	4,699.08	11	4,342.43	11	3,984.50	11	3,626.48	11	3,268.47	11	2,910.45	11	2,552.24	11	2,194.04	11	1,835.83
1/4	1/4	1/4	4,691.69	1/4	4,334.99	1/4	3,977.04	1/4	3,619.02	1/4	3,261.01	1/4	2,902.99	1/4	2,544.78	1/4	2,186.57	1/4	1,828.37
1/2	1/2	1/2	4,684.29	1/2	4,327.55	1/2	3,969.58	1/2	3,611.57	1/2	3,253.55	1/2	2,895.52	1/2	2,537.32	1/2	2,179.11	1/2	1,820.91
3/4	3/4	3/4	4,676.89	3/4	4,320.12	3/4	3,962.12	3/4	3,604.11	3/4	3,246.09	3/4	2,888.06	3/4	2,529.85	3/4	2,171.65	3/4	1,813.44

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO 8 INCH HATCH OR TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (8 INCH HATCH OR HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092

Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "PTC 1401"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,805.98	0	1,447.78	0	1,089.57	0	731.86	0	382.25	0	71.51	0		0		0		0	
1/4	1,798.52	1/4	1,440.31	1/4	1,082.11	1/4	724.40	1/4	375.16	1/4	65.68	1/4		1/4		1/4		1/4	
1/2	1,791.06	1/2	1,432.85	1/2	1,074.65	1/2	716.94	1/2	368.07	1/2	59.85	1/2		1/2		1/2		1/2	
3/4	1,783.59	3/4	1,425.39	3/4	1,067.18	3/4	709.47	3/4	360.98	3/4	53.82	3/4		3/4		3/4		3/4	
1	1,776.13	1	1,417.93	1	1,059.73	1	702.01	1	353.98	1	48.57	1		1		1		1	
1/4	1,768.67	1/4	1,410.46	1/4	1,052.27	1/4	694.55	1/4	346.98	1/4	43.33	1/4		1/4		1/4		1/4	
1/2	1,761.20	1/2	1,403.00	1/2	1,044.81	1/2	687.09	1/2	339.98	1/2	38.08	1/2		1/2		1/2		1/2	
3/4	1,753.74	3/4	1,395.54	3/4	1,037.35	3/4	679.62	3/4	332.98	3/4	32.84	3/4		3/4		3/4		3/4	
2	1,746.28	2	1,388.07	2	1,029.90	2	672.16	2	326.06	2	29.31	2		2		2		2	
1/4	1,738.82	1/4	1,380.61	1/4	1,022.44	1/4	664.70	1/4	319.15	1/4	25.79	1/4		1/4		1/4		1/4	
1/2	1,731.35	1/2	1,373.15	1/2	1,014.98	1/2	657.24	1/2	312.24	1/2	22.26	1/2		1/2		1/2		1/2	
3/4	1,723.89	3/4	1,365.69	3/4	1,007.53	3/4	649.77	3/4	305.33	3/4		3/4		3/4		3/4		3/4	
3	1,716.43	3	1,358.22	3	1,000.08	3	642.31	3	298.50	3		3		3		3		3	
1/4	1,708.97	1/4	1,350.76	1/4	992.63	1/4	635.05	1/4	291.68	1/4		1/4		1/4		1/4		1/4	
1/2	1,701.50	1/2	1,343.30	1/2	985.17	1/2	627.79	1/2	284.85	1/2		1/2		1/2		1/2		1/2	
3/4	1,694.04	3/4	1,335.84	3/4	977.72	3/4	620.53	3/4	278.03	3/4		3/4		3/4		3/4		3/4	
4	1,686.58	4	1,328.37	4	970.27	4	613.27	4	271.29	4		4		4		4		4	
1/4	1,679.12	1/4	1,320.91	1/4	962.83	1/4	606.01	1/4	264.55	1/4		1/4		1/4		1/4		1/4	
1/2	1,671.65	1/2	1,313.45	1/2	955.38	1/2	598.75	1/2	257.82	1/2		1/2		1/2		1/2		1/2	
3/4	1,664.19	3/4	1,305.99	3/4	947.93	3/4	591.48	3/4	251.08	3/4		3/4		3/4		3/4		3/4	
5	1,656.73	5	1,298.52	5	940.48	5	584.22	5	244.43	5		5		5		5		5	
1/4	1,649.27	1/4	1,291.06	1/4	933.03	1/4	576.96	1/4	237.78	1/4		1/4		1/4		1/4		1/4	
1/2	1,641.80	1/2	1,283.60	1/2	925.58	1/2	569.70	1/2	231.14	1/2		1/2		1/2		1/2		1/2	
3/4	1,634.34	3/4	1,276.14	3/4	918.13	3/4	562.44	3/4	224.69	3/4		3/4		3/4		3/4		3/4	
6	1,626.88	6	1,268.67	6	910.68	6	555.19	6	218.33	6		6		6		6		6	
1/4	1,619.42	1/4	1,261.21	1/4	903.24	1/4	547.93	1/4	211.97	1/4		1/4		1/4		1/4		1/4	
1/2	1,611.95	1/2	1,253.75	1/2	895.79	1/2	540.68	1/2	205.61	1/2		1/2		1/2		1/2		1/2	
3/4	1,604.49	3/4	1,246.29	3/4	888.34	3/4	533.42	3/4	199.25	3/4		3/4		3/4		3/4		3/4	
7	1,597.03	7	1,238.82	7	880.89	7	526.17	7	192.98	7		7		7		7		7	
1/4	1,589.57	1/4	1,231.36	1/4	873.44	1/4	518.91	1/4	186.71	1/4		1/4		1/4		1/4		1/4	
1/2	1,582.10	1/2	1,223.90	1/2	865.99	1/2	511.66	1/2	180.44	1/2		1/2		1/2		1/2		1/2	
3/4	1,574.64	3/4	1,216.44	3/4	858.54	3/4	504.41	3/4	174.17	3/4		3/4		3/4		3/4		3/4	
8	1,567.18	8	1,208.97	8	851.09	8	497.18	8	167.98	8		8		8		8		8	
1/4	1,559.71	1/4	1,201.51	1/4	843.65	1/4	489.95	1/4	161.80	1/4		1/4		1/4		1/4		1/4	
1/2	1,552.25	1/2	1,194.05	1/2	836.20	1/2	482.73	1/2	155.62	1/2		1/2		1/2		1/2		1/2	
3/4	1,544.79	3/4	1,186.58	3/4	828.75	3/4	475.50	3/4	149.43	3/4		3/4		3/4		3/4		3/4	
9	1,537.33	9	1,179.12	9	821.30	9	468.35	9	143.34	9		9		9		9		9	
1/4	1,529.86	1/4	1,171.66	1/4	813.85	1/4	461.20	1/4	137.24	1/4		1/4		1/4		1/4		1/4	
1/2	1,522.40	1/2	1,164.20	1/2	806.40	1/2	454.05	1/2	131.15	1/2		1/2		1/2		1/2		1/2	
3/4	1,514.94	3/4	1,156.73	3/4	798.95	3/4	446.90	3/4	125.05	3/4		3/4		3/4		3/4		3/4	
10	1,507.48	10	1,149.27	10	791.51	10	439.83	10	119.05	10		10		10		10		10	
1/4	1,500.01	1/4	1,141.81	1/4	784.06	1/4	432.57	1/4	113.04	1/4		1/4		1/4		1/4		1/4	
1/2	1,492.55	1/2	1,134.35	1/2	776.61	1/2	425.31	1/2	107.03	1/2		1/2		1/2		1/2		1/2	
3/4	1,485.09	3/4	1,126.88	3/4	769.16	3/4	418.04	3/4	101.02	3/4		3/4		3/4		3/4		3/4	
11	1,477.63	11	1,119.42	11	761.70	11	410.86	11	95.10	11		11		11		11		11	
1/4	1,470.16	1/4	1,111.96	1/4	754.24	1/4	403.69	1/4	89.19	1/4		1/4		1/4		1/4		1/4	
1/2	1,462.70	1/2	1,104.50	1/2	746.78	1/2	396.51	1/2	83.27	1/2		1/2		1/2		1/2		1/2	
3/4	1,455.24	3/4	1,097.03	3/4	739.32	3/4	389.33	3/4	77.35	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2014 SW  
CALCULATED: 07/29/2014 CL  
PRINTED: 07/30/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2014

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



# BARGE "PTC 1401"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

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	5,059.84	0	4,721.06	0	4,363.48	0	4,004.78	0	3,646.06	0	3,287.34	0	2,928.61	0	2,569.70	0	2,210.79
1/4		1/4	5,055.36	1/4	4,713.65	1/4	4,356.01	1/4	3,997.30	1/4	3,638.59	1/4	3,279.87	1/4	2,921.13	1/4	2,562.22	1/4	2,203.31
1/2		1/2	5,050.88	1/2	4,706.24	1/2	4,348.55	1/2	3,989.83	1/2	3,631.11	1/2	3,272.39	1/2	2,913.65	1/2	2,554.74	1/2	2,195.83
3/4		3/4	5,045.34	3/4	4,698.80	3/4	4,341.08	3/4	3,982.36	3/4	3,623.64	3/4	3,264.92	3/4	2,906.18	3/4	2,547.27	3/4	2,188.36
1		1	5,039.79	1	4,691.36	1	4,333.60	1	3,974.88	1	3,616.17	1	3,257.45	1	2,898.70	1	2,539.79	1	2,180.88
1/4		1/4	5,034.25	1/4	4,683.92	1/4	4,326.13	1/4	3,967.41	1/4	3,608.69	1/4	3,249.97	1/4	2,891.22	1/4	2,532.31	1/4	2,173.40
1/2		1/2	5,028.70	1/2	4,676.48	1/2	4,318.66	1/2	3,959.94	1/2	3,601.22	1/2	3,242.50	1/2	2,883.74	1/2	2,524.83	1/2	2,165.92
3/4		3/4	5,022.09	3/4	4,669.02	3/4	4,311.18	3/4	3,952.46	3/4	3,593.75	3/4	3,235.03	3/4	2,876.27	3/4	2,517.36	3/4	2,158.45
2		2	5,015.47	2	4,661.57	2	4,303.71	2	3,944.99	2	3,586.27	2	3,227.55	2	2,868.79	2	2,509.88	2	2,150.97
1/4		1/4	5,008.86	1/4	4,654.12	1/4	4,296.24	1/4	3,937.52	1/4	3,578.80	1/4	3,220.08	1/4	2,861.31	1/4	2,502.40	1/4	2,143.49
1/2		1/2	5,002.25	1/2	4,646.67	1/2	4,288.76	1/2	3,930.04	1/2	3,571.33	1/2	3,212.61	1/2	2,853.83	1/2	2,494.92	1/2	2,136.01
3/4		3/4	4,994.96	3/4	4,639.22	3/4	4,281.29	3/4	3,922.57	3/4	3,563.85	3/4	3,205.13	3/4	2,846.36	3/4	2,487.45	3/4	2,128.54
3		3	4,987.68	3	4,631.77	3	4,273.82	3	3,915.10	3	3,556.38	3	3,197.66	3	2,838.88	3	2,479.97	3	2,121.06
1/4		1/4	4,980.40	1/4	4,624.31	1/4	4,266.34	1/4	3,907.62	1/4	3,548.91	1/4	3,190.19	1/4	2,831.40	1/4	2,472.49	1/4	2,113.58
1/2		1/2	4,973.12	1/2	4,616.86	1/2	4,258.87	1/2	3,900.15	1/2	3,541.43	1/2	3,182.71	1/2	2,823.93	1/2	2,465.02	1/2	2,106.10
3/4		3/4	4,965.70	3/4	4,609.41	3/4	4,251.40	3/4	3,892.68	3/4	3,533.96	3/4	3,175.24	3/4	2,816.45	3/4	2,457.54	3/4	2,098.63
4		4	4,958.29	4	4,601.96	4	4,243.92	4	3,885.20	4	3,526.49	4	3,167.77	4	2,808.97	4	2,450.06	4	2,091.15
1/4		1/4	4,950.87	1/4	4,594.51	1/4	4,236.45	1/4	3,877.73	1/4	3,519.01	1/4	3,160.29	1/4	2,801.49	1/4	2,442.58	1/4	2,083.67
1/2		1/2	4,943.45	1/2	4,587.06	1/2	4,228.98	1/2	3,870.26	1/2	3,511.54	1/2	3,152.82	1/2	2,794.02	1/2	2,435.11	1/2	2,076.20
3/4		3/4	4,936.04	3/4	4,579.60	3/4	4,221.50	3/4	3,862.78	3/4	3,504.07	3/4	3,145.35	3/4	2,786.54	3/4	2,427.63	3/4	2,068.72
5		5	4,928.62	5	4,572.15	5	4,214.03	5	3,855.31	5	3,496.59	5	3,137.87	5	2,779.06	5	2,420.15	5	2,061.24
1/4		1/4	4,921.21	1/4	4,564.70	1/4	4,206.56	1/4	3,847.84	1/4	3,489.12	1/4	3,130.40	1/4	2,771.58	1/4	2,412.67	1/4	2,053.76
1/2		1/2	4,913.79	1/2	4,557.25	1/2	4,199.08	1/2	3,840.36	1/2	3,481.65	1/2	3,122.93	1/2	2,764.11	1/2	2,405.20	1/2	2,046.29
3/4		3/4	4,906.38	3/4	4,549.80	3/4	4,191.61	3/4	3,832.89	3/4	3,474.17	3/4	3,115.45	3/4	2,756.63	3/4	2,397.72	3/4	2,038.81
6		6	4,898.96	6	4,542.35	6	4,184.14	6	3,825.42	6	3,466.70	6	3,107.98	6	2,749.15	6	2,390.24	6	2,031.33
1/4		1/4	4,891.54	1/4	4,534.89	1/4	4,176.66	1/4	3,817.94	1/4	3,459.23	1/4	3,100.51	1/4	2,741.68	1/4	2,382.76	1/4	2,023.85
1/2		1/2	4,884.13	1/2	4,527.44	1/2	4,169.19	1/2	3,810.47	1/2	3,451.75	1/2	3,093.03	1/2	2,734.20	1/2	2,375.29	1/2	2,016.38
3/4		3/4	4,876.72	3/4	4,519.99	3/4	4,161.72	3/4	3,803.00	3/4	3,444.28	3/4	3,085.56	3/4	2,726.72	3/4	2,367.81	3/4	2,008.90
7		7	4,869.30	7	4,512.54	7	4,154.24	7	3,795.52	7	3,436.81	7	3,078.09	7	2,719.24	7	2,360.33	7	2,001.42
1/4		1/4	4,861.89	1/4	4,505.09	1/4	4,146.77	1/4	3,788.05	1/4	3,429.33	1/4	3,070.61	1/4	2,711.77	1/4	2,352.86	1/4	1,993.95
1/2		1/2	4,854.48	1/2	4,497.64	1/2	4,139.30	1/2	3,780.58	1/2	3,421.86	1/2	3,063.14	1/2	2,704.29	1/2	2,345.38	1/2	1,986.47
3/4		3/4	4,847.06	3/4	4,490.19	3/4	4,131.82	3/4	3,773.10	3/4	3,414.39	3/4	3,055.67	3/4	2,696.81	3/4	2,337.90	3/4	1,978.99
8		8	4,839.65	8	4,482.73	8	4,124.35	8	3,765.63	8	3,406.91	8	3,048.19	8	2,689.33	8	2,330.42	8	1,971.51
1/4		1/4	4,832.24	1/4	4,475.28	1/4	4,116.88	1/4	3,758.16	1/4	3,399.44	1/4	3,040.72	1/4	2,681.86	1/4	2,322.95	1/4	1,964.04
1/2		1/2	4,824.83	1/2	4,467.83	1/2	4,109.40	1/2	3,750.68	1/2	3,391.97	1/2	3,033.25	1/2	2,674.38	1/2	2,315.47	1/2	1,956.56
3/4		3/4	4,817.42	3/4	4,460.38	3/4	4,101.93	3/4	3,743.21	3/4	3,384.49	3/4	3,025.77	3/4	2,666.90	3/4	2,307.99	3/4	1,949.08
9		9	4,810.00	9	4,452.93	9	4,094.46	9	3,735.74	9	3,377.02	9	3,018.30	9	2,659.43	9	2,300.51	9	1,941.60
1/4		1/4	4,802.59	1/4	4,445.48	1/4	4,086.98	1/4	3,728.27	1/4	3,369.55	1/4	3,010.83	1/4	2,651.95	1/4	2,293.04	1/4	1,934.13
1/2		1/2	4,795.18	1/2	4,438.02	1/2	4,079.51	1/2	3,720.79	1/2	3,362.07	1/2	3,003.35	1/2	2,644.47	1/2	2,285.56	1/2	1,926.65
3/4		3/4	4,787.77	3/4	4,430.57	3/4	4,072.04	3/4	3,713.32	3/4	3,354.60	3/4	2,995.88	3/4	2,636.99	3/4	2,278.08	3/4	1,919.17
10		10	4,780.36	10	4,423.12	10	4,064.56	10	3,705.85	10	3,347.13	10	2,988.41	10	2,629.52	10	2,270.61	10	1,911.70
1/4		1/4	4,772.95	1/4	4,415.67	1/4	4,057.09	1/4	3,698.37	1/4	3,339.65	1/4	2,980.93	1/4	2,622.04	1/4	2,263.13	1/4	1,904.22
1/2		1/2	4,765.53	1/2	4,408.22	1/2	4,049.62	1/2	3,690.90	1/2	3,332.18	1/2	2,973.46	1/2	2,614.56	1/2	2,255.65	1/2	1,896.74
3/4		3/4	4,758.12	3/4	4,400.77	3/4	4,042.14	3/4	3,683.43	3/4	3,324.71	3/4	2,965.99	3/4	2,607.08	3/4	2,248.17	3/4	1,889.26
11		11	4,750.71	11	4,393.31	11	4,034.67	11	3,675.95	11	3,317.23	11	2,958.51	11	2,599.61	11	2,240.70	11	1,881.79
1/4		1/4	4,743.30	1/4	4,385.86	1/4	4,027.20	1/4	3,668.48	1/4	3,309.76	1/4	2,951.04	1/4	2,592.13	1/4	2,232.22	1/4	1,874.31
1/2		1/2	4,735.89	1/2	4,378.41	1/2	4,019.72	1/2	3,661.01	1/2	3,302.29	1/2	2,943.56	1/2	2,584.65	1/2	2,225.74	1/2	1,866.83
3/4		3/4	5,064.32	3/4	4,728.48	3/4	4,370.95	3/4	4,012.25	3/4	3,653.53	3/4	3,294.81	3/4	2,936.09	3/4	2,577.17	3/4	1,859.35

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO 8 INCH HATCH OR TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (8 INCH HATCH OR HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092

Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "PTC 1401"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,851.88	0	1,492.97	0	1,135.47	0	789.51	0	436.27	0	82.83	0		0		0		0	
1/4	1,844.40	1/4	1,485.49	1/4	1,128.27	1/4	782.03	1/4	428.79	1/4	75.55	1/4		1/4		1/4		1/4	
1/2	1,836.92	1/2	1,478.01	1/2	1,121.08	1/2	774.56	1/2	421.32	1/2	68.07	1/2		1/2		1/2		1/2	
3/4	1,829.44	3/4	1,470.53	3/4	1,113.90	3/4	767.08	3/4	413.84	3/4	61.30	3/4		3/4		3/4		3/4	
1	1,821.97	1	1,463.06	1	1,106.71	1	759.60	1	406.36	1	54.52	1		1		1		1	
1/4	1,814.49	1/4	1,455.58	1/4	1,099.53	1/4	752.13	1/4	398.88	1/4	47.75	1/4		1/4		1/4		1/4	
1/2	1,807.01	1/2	1,448.10	1/2	1,092.34	1/2	744.65	1/2	391.41	1/2	40.97	1/2		1/2		1/2		1/2	
3/4	1,799.54	3/4	1,440.63	3/4	1,085.16	3/4	737.17	3/4	383.93	3/4	35.83	3/4		3/4		3/4		3/4	
2	1,792.06	2	1,433.15	2	1,077.98	2	729.69	2	376.45	2	30.69	2		2		2		2	
1/4	1,784.58	1/4	1,425.67	1/4	1,070.80	1/4	722.22	1/4	368.98	1/4	25.55	1/4		1/4		1/4		1/4	
1/2	1,777.10	1/2	1,418.19	1/2	1,063.62	1/2	714.74	1/2	361.50	1/2		1/2		1/2		1/2		1/2	
3/4	1,769.63	3/4	1,410.72	3/4	1,056.45	3/4	707.26	3/4	354.02	3/4		3/4		3/4		3/4		3/4	
3	1,762.15	3	1,403.24	3	1,049.27	3	699.99	3	346.54	3		3		3		3		3	
1/4	1,754.67	1/4	1,395.76	1/4	1,042.10	1/4	692.71	1/4	339.07	1/4		1/4		1/4		1/4		1/4	
1/2	1,747.19	1/2	1,388.28	1/2	1,034.92	1/2	685.44	1/2	331.59	1/2		1/2		1/2		1/2		1/2	
3/4	1,739.72	3/4	1,380.81	3/4	1,027.75	3/4	678.16	3/4	324.11	3/4		3/4		3/4		3/4		3/4	
4	1,732.24	4	1,373.33	4	1,020.58	4	670.89	4	316.64	4		4		4		4		4	
1/4	1,724.76	1/4	1,365.85	1/4	1,013.40	1/4	663.61	1/4	309.16	1/4		1/4		1/4		1/4		1/4	
1/2	1,717.29	1/2	1,358.37	1/2	1,006.23	1/2	656.34	1/2	301.68	1/2		1/2		1/2		1/2		1/2	
3/4	1,709.81	3/4	1,350.90	3/4	999.06	3/4	649.06	3/4	294.20	3/4		3/4		3/4		3/4		3/4	
5	1,702.33	5	1,343.42	5	991.88	5	641.79	5	286.73	5		5		5		5		5	
1/4	1,694.85	1/4	1,335.94	1/4	984.71	1/4	634.51	1/4	279.25	1/4		1/4		1/4		1/4		1/4	
1/2	1,687.38	1/2	1,328.47	1/2	977.54	1/2	627.24	1/2	271.98	1/2		1/2		1/2		1/2		1/2	
3/4	1,679.90	3/4	1,320.99	3/4	970.36	3/4	619.96	3/4	264.70	3/4		3/4		3/4		3/4		3/4	
6	1,672.42	6	1,313.51	6	963.19	6	612.69	6	257.43	6		6		6		6		6	
1/4	1,664.94	1/4	1,306.03	1/4	956.02	1/4	605.41	1/4	250.15	1/4		1/4		1/4		1/4		1/4	
1/2	1,657.47	1/2	1,298.56	1/2	948.84	1/2	598.14	1/2	242.88	1/2		1/2		1/2		1/2		1/2	
3/4	1,649.99	3/4	1,291.08	3/4	941.67	3/4	590.86	3/4	235.60	3/4		3/4		3/4		3/4		3/4	
7	1,642.51	7	1,283.60	7	934.50	7	583.59	7	228.33	7		7		7		7		7	
1/4	1,635.03	1/4	1,276.12	1/4	927.32	1/4	576.31	1/4	221.05	1/4		1/4		1/4		1/4		1/4	
1/2	1,627.56	1/2	1,268.65	1/2	920.15	1/2	569.04	1/2	213.78	1/2		1/2		1/2		1/2		1/2	
3/4	1,620.08	3/4	1,261.17	3/4	912.98	3/4	561.76	3/4	206.50	3/4		3/4		3/4		3/4		3/4	
8	1,612.60	8	1,253.69	8	905.80	8	554.49	8	199.23	8		8		8		8		8	
1/4	1,605.13	1/4	1,246.22	1/4	898.63	1/4	547.21	1/4	191.95	1/4		1/4		1/4		1/4		1/4	
1/2	1,597.65	1/2	1,238.74	1/2	891.46	1/2	539.94	1/2	184.68	1/2		1/2		1/2		1/2		1/2	
3/4	1,590.17	3/4	1,231.26	3/4	884.28	3/4	532.66	3/4	177.40	3/4		3/4		3/4		3/4		3/4	
9	1,582.69	9	1,223.78	9	877.11	9	525.39	9	170.13	9		9		9		9		9	
1/4	1,575.22	1/4	1,216.31	1/4	869.94	1/4	518.11	1/4	162.85	1/4		1/4		1/4		1/4		1/4	
1/2	1,567.74	1/2	1,208.83	1/2	862.76	1/2	510.84	1/2	155.58	1/2		1/2		1/2		1/2		1/2	
3/4	1,560.26	3/4	1,201.35	3/4	855.59	3/4	503.56	3/4	148.30	3/4		3/4		3/4		3/4		3/4	
10	1,552.78	10	1,193.87	10	848.42	10	496.09	10	141.03	10		10		10		10		10	
1/4	1,545.31	1/4	1,186.40	1/4	841.24	1/4	488.61	1/4	133.75	1/4		1/4		1/4		1/4		1/4	
1/2	1,537.83	1/2	1,178.92	1/2	834.07	1/2	481.13	1/2	126.48	1/2		1/2		1/2		1/2		1/2	
3/4	1,530.35	3/4	1,171.65	3/4	826.67	3/4	473.66	3/4	119.20	3/4		3/4		3/4		3/4		3/4	
11	1,522.88	11	1,164.39	11	819.27	11	466.18	11	111.93	11		11		11		11		11	
1/4	1,515.40	1/4	1,157.12	1/4	811.87	1/4	458.70	1/4	104.65	1/4		1/4		1/4		1/4		1/4	
1/2	1,507.92	1/2	1,149.86	1/2	804.46	1/2	451.22	1/2	97.38	1/2		1/2		1/2		1/2		1/2	
3/4	1,500.44	3/4	1,142.66	3/4	796.99	3/4	443.75	3/4	90.10	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2014 SW  
CALCULATED: 07/29/2014 CL  
PRINTED: 07/30/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2014

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





# BARGE "PTC 1401"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02"

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	5,069.27	0	4,727.55	0	4,369.91	0	4,011.20	0	3,652.49	0	3,293.77	0	2,935.03	0	2,576.12	0	2,217.21
1/4		1/4	5,064.79	1/4	4,720.14	1/4	4,362.45	1/4	4,003.73	1/4	3,645.01	1/4	3,286.29	1/4	2,927.55	1/4	2,568.64	1/4	2,209.73
1/2		1/2	5,059.25	1/2	4,712.70	1/2	4,354.98	1/2	3,996.26	1/2	3,637.54	1/2	3,278.82	1/2	2,920.08	1/2	2,561.17	1/2	2,202.26
3/4		3/4	5,053.70	3/4	4,705.26	3/4	4,347.50	3/4	3,988.78	3/4	3,630.07	3/4	3,271.35	3/4	2,912.60	3/4	2,553.69	3/4	2,194.78
1		1	5,048.16	1	4,697.82	1	4,340.03	1	3,981.31	1	3,622.59	1	3,263.87	1	2,905.12	1	2,546.21	1	2,187.30
1/4		1/4	5,042.61	1/4	4,690.38	1/4	4,332.56	1/4	3,973.84	1/4	3,615.12	1/4	3,256.40	1/4	2,897.64	1/4	2,538.73	1/4	2,179.82
1/2		1/2	5,035.99	1/2	4,682.92	1/2	4,325.08	1/2	3,966.36	1/2	3,607.65	1/2	3,248.93	1/2	2,890.17	1/2	2,531.26	1/2	2,172.35
3/4		3/4	5,029.38	3/4	4,675.47	3/4	4,317.61	3/4	3,958.89	3/4	3,600.17	3/4	3,241.45	3/4	2,882.69	3/4	2,523.78	3/4	2,164.87
2		2	5,022.76	2	4,668.02	2	4,310.14	2	3,951.42	2	3,592.70	2	3,233.98	2	2,875.21	2	2,516.30	2	2,157.39
1/4		1/4	5,016.15	1/4	4,660.57	1/4	4,302.66	1/4	3,943.94	1/4	3,585.23	1/4	3,226.51	1/4	2,867.74	1/4	2,508.83	1/4	2,149.91
1/2		1/2	5,008.87	1/2	4,653.12	1/2	4,295.19	1/2	3,936.47	1/2	3,577.75	1/2	3,219.03	1/2	2,860.26	1/2	2,501.35	1/2	2,142.44
3/4		3/4	5,001.58	3/4	4,645.67	3/4	4,287.72	3/4	3,929.00	3/4	3,570.28	3/4	3,211.56	3/4	2,852.78	3/4	2,493.87	3/4	2,134.96
3		3	4,994.30	3	4,638.22	3	4,280.24	3	3,921.52	3	3,562.81	3	3,204.09	3	2,845.30	3	2,485.39	3	2,127.48
1/4		1/4	4,987.02	1/4	4,630.76	1/4	4,272.77	1/4	3,914.05	1/4	3,555.33	1/4	3,196.61	1/4	2,837.83	1/4	2,478.92	1/4	2,120.01
1/2		1/2	4,979.60	1/2	4,623.31	1/2	4,265.30	1/2	3,906.58	1/2	3,547.86	1/2	3,189.14	1/2	2,830.35	1/2	2,471.44	1/2	2,112.53
3/4		3/4	4,972.19	3/4	4,615.86	3/4	4,257.82	3/4	3,899.10	3/4	3,540.39	3/4	3,181.67	3/4	2,822.87	3/4	2,463.96	3/4	2,105.05
4		4	4,964.77	4	4,608.41	4	4,250.35	4	3,891.63	4	3,532.91	4	3,174.19	4	2,815.39	4	2,456.48	4	2,097.57
1/4		1/4	4,957.36	1/4	4,600.96	1/4	4,242.88	1/4	3,884.16	1/4	3,525.44	1/4	3,166.72	1/4	2,807.92	1/4	2,449.01	1/4	2,090.10
1/2		1/2	4,949.94	1/2	4,593.51	1/2	4,235.40	1/2	3,876.68	1/2	3,517.97	1/2	3,159.25	1/2	2,800.44	1/2	2,441.53	1/2	2,082.62
3/4		3/4	4,942.52	3/4	4,586.05	3/4	4,227.93	3/4	3,869.21	3/4	3,510.49	3/4	3,151.77	3/4	2,792.96	3/4	2,434.05	3/4	2,075.14
5		5	4,935.11	5	4,578.60	5	4,220.46	5	3,861.74	5	3,503.02	5	3,144.30	5	2,785.49	5	2,426.57	5	2,067.66
1/4		1/4	4,927.69	1/4	4,571.15	1/4	4,212.98	1/4	3,854.26	1/4	3,495.55	1/4	3,136.83	1/4	2,778.01	1/4	2,419.10	1/4	2,060.19
1/2		1/2	4,920.28	1/2	4,563.70	1/2	4,205.51	1/2	3,846.79	1/2	3,488.07	1/2	3,129.35	1/2	2,770.53	1/2	2,411.62	1/2	2,052.71
3/4		3/4	4,912.86	3/4	4,556.25	3/4	4,198.04	3/4	3,839.32	3/4	3,480.60	3/4	3,121.88	3/4	2,763.05	3/4	2,404.14	3/4	2,045.23
6		6	4,905.45	6	4,548.80	6	4,190.56	6	3,831.84	6	3,473.13	6	3,114.41	6	2,755.58	6	2,396.67	6	2,037.76
1/4		1/4	4,898.03	1/4	4,541.34	1/4	4,183.09	1/4	3,824.37	1/4	3,465.65	1/4	3,106.93	1/4	2,748.10	1/4	2,389.19	1/4	2,030.28
1/2		1/2	4,890.62	1/2	4,533.89	1/2	4,175.62	1/2	3,816.90	1/2	3,458.18	1/2	3,099.46	1/2	2,740.62	1/2	2,381.71	1/2	2,022.80
3/4		3/4	4,883.20	3/4	4,526.44	3/4	4,168.14	3/4	3,809.43	3/4	3,450.71	3/4	3,091.99	3/4	2,733.14	3/4	2,374.23	3/4	2,015.32
7		7	4,875.79	7	4,518.99	7	4,160.67	7	3,801.95	7	3,443.23	7	3,084.51	7	2,725.67	7	2,366.76	7	2,007.85
1/4		1/4	4,868.38	1/4	4,511.54	1/4	4,153.20	1/4	3,794.48	1/4	3,435.76	1/4	3,077.04	1/4	2,718.19	1/4	2,359.28	1/4	2,000.37
1/2		1/2	4,860.97	1/2	4,504.09	1/2	4,145.72	1/2	3,787.01	1/2	3,428.29	1/2	3,069.57	1/2	2,710.71	1/2	2,351.80	1/2	1,992.89
3/4		3/4	4,853.55	3/4	4,496.63	3/4	4,138.25	3/4	3,779.53	3/4	3,420.81	3/4	3,062.09	3/4	2,703.23	3/4	2,344.32	3/4	1,985.41
8		8	4,846.14	8	4,489.18	8	4,130.78	8	3,772.06	8	3,413.34	8	3,054.62	8	2,695.76	8	2,336.85	8	1,977.94
1/4		1/4	4,838.73	1/4	4,481.73	1/4	4,123.30	1/4	3,764.59	1/4	3,405.87	1/4	3,047.15	1/4	2,688.28	1/4	2,329.37	1/4	1,970.46
1/2		1/2	4,831.32	1/2	4,474.28	1/2	4,115.83	1/2	3,757.11	1/2	3,398.39	1/2	3,039.68	1/2	2,680.80	1/2	2,321.89	1/2	1,962.98
3/4		3/4	4,823.91	3/4	4,466.83	3/4	4,108.36	3/4	3,749.64	3/4	3,390.92	3/4	3,032.20	3/4	2,673.33	3/4	2,314.42	3/4	1,955.50
9		9	4,816.49	9	4,459.38	9	4,100.88	9	3,742.17	9	3,383.45	9	3,024.73	9	2,665.85	9	2,306.94	9	1,948.03
1/4		1/4	4,809.08	1/4	4,451.93	1/4	4,093.41	1/4	3,734.69	1/4	3,375.97	1/4	3,017.26	1/4	2,658.37	1/4	2,299.46	1/4	1,940.55
1/2		1/2	4,801.67	1/2	4,444.47	1/2	4,085.94	1/2	3,727.22	1/2	3,368.50	1/2	3,009.78	1/2	2,650.89	1/2	2,291.98	1/2	1,933.07
3/4		3/4	4,794.26	3/4	4,437.02	3/4	4,078.46	3/4	3,719.75	3/4	3,361.03	3/4	3,002.31	3/4	2,643.42	3/4	2,284.51	3/4	1,925.60
10		10	4,786.85	10	4,429.57	10	4,070.99	10	3,712.27	10	3,353.55	10	2,994.84	10	2,635.94	10	2,277.03	10	1,918.12
1/4		1/4	4,779.44	1/4	4,422.12	1/4	4,063.52	1/4	3,704.80	1/4	3,346.08	1/4	2,987.36	1/4	2,628.46	1/4	2,269.55	1/4	1,910.64
1/2		1/2	4,772.02	1/2	4,414.67	1/2	4,056.04	1/2	3,697.33	1/2	3,338.61	1/2	2,979.89	1/2	2,620.98	1/2	2,262.07	1/2	1,903.16
3/4		3/4	4,764.61	3/4	4,407.22	3/4	4,048.57	3/4	3,689.85	3/4	3,331.13	3/4	2,972.41	3/4	2,613.51	3/4	2,254.60	3/4	1,895.69
11		11	4,757.20	11	4,399.76	11	4,041.10	11	3,682.38	11	3,323.66	11	2,964.94	11	2,606.03	11	2,247.12	11	1,888.21
1/4		1/4	4,749.79	1/4	4,392.31	1/4	4,033.62	1/4	3,674.91	1/4	3,316.19	1/4	2,957.46	1/4	2,598.55	1/4	2,239.64	1/4	1,880.73
1/2	5,078.23	1/2	4,742.38	1/2	4,384.85	1/2	4,026.15	1/2	3,667.43	1/2	3,308.71	1/2	2,949.99	1/2	2,591.08	1/2	2,232.17	1/2	1,873.25
3/4	5,073.75	3/4	4,734.96	3/4	4,377.38	3/4	4,018.68	3/4	3,659.96	3/4	3,301.24	3/4	2,942.51	3/4	2,583.60	3/4	2,224.69	3/4	1,865.78

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO 8 INCH HATCH OR TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (8 INCH HATCH OR HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092

Pearland, Texas 77588  
<http://www.pmacorp.net>





# BARGE "PTC 1401"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,858.30	0	1,499.39	0	1,140.48	0	782.03	0	428.79	0	75.54	0		0		0		0	
1/4	1,850.82	1/4	1,491.91	1/4	1,133.00	1/4	774.55	1/4	421.31	1/4	68.07	1/4		1/4		1/4		1/4	
1/2	1,843.35	1/2	1,484.44	1/2	1,125.53	1/2	767.08	1/2	413.83	1/2	61.29	1/2		1/2		1/2		1/2	
3/4	1,835.87	3/4	1,476.96	3/4	1,118.06	3/4	759.60	3/4	406.36	3/4	54.52	3/4		3/4		3/4		3/4	
1	1,828.39	1	1,469.48	1	1,110.58	1	752.12	1	398.88	1	47.74	1		1		1		1	
1/4	1,820.91	1/4	1,462.00	1/4	1,103.11	1/4	744.65	1/4	391.40	1/4	40.96	1/4		1/4		1/4		1/4	
1/2	1,813.44	1/2	1,454.53	1/2	1,095.64	1/2	737.17	1/2	383.92	1/2	35.82	1/2		1/2		1/2		1/2	
3/4	1,805.96	3/4	1,447.05	3/4	1,088.17	3/4	729.69	3/4	376.45	3/4	30.68	3/4		3/4		3/4		3/4	
2	1,798.48	2	1,439.57	2	1,080.70	2	722.21	2	368.97	2	25.55	2		2		2		2	
1/4	1,791.00	1/4	1,432.09	1/4	1,073.22	1/4	714.74	1/4	361.49	1/4		1/4		1/4		1/4		1/4	
1/2	1,783.53	1/2	1,424.62	1/2	1,065.76	1/2	707.26	1/2	354.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,776.05	3/4	1,417.14	3/4	1,058.29	3/4	699.99	3/4	346.54	3/4		3/4		3/4		3/4		3/4	
3	1,768.57	3	1,409.66	3	1,050.83	3	692.71	3	339.06	3		3		3		3		3	
1/4	1,761.10	1/4	1,402.18	1/4	1,043.36	1/4	685.43	1/4	331.58	1/4		1/4		1/4		1/4		1/4	
1/2	1,753.62	1/2	1,394.71	1/2	1,035.90	1/2	678.16	1/2	324.11	1/2		1/2		1/2		1/2		1/2	
3/4	1,746.14	3/4	1,387.23	3/4	1,028.43	3/4	670.88	3/4	316.63	3/4		3/4		3/4		3/4		3/4	
4	1,738.66	4	1,379.75	4	1,020.97	4	663.61	4	309.15	4		4		4		4		4	
1/4	1,731.19	1/4	1,372.28	1/4	1,013.50	1/4	656.33	1/4	301.68	1/4		1/4		1/4		1/4		1/4	
1/2	1,723.71	1/2	1,364.80	1/2	1,006.04	1/2	649.06	1/2	294.20	1/2		1/2		1/2		1/2		1/2	
3/4	1,716.23	3/4	1,357.32	3/4	998.57	3/4	641.78	3/4	286.72	3/4		3/4		3/4		3/4		3/4	
5	1,708.75	5	1,349.84	5	991.11	5	634.51	5	279.24	5		5		5		5		5	
1/4	1,701.28	1/4	1,342.37	1/4	983.65	1/4	627.23	1/4	271.97	1/4		1/4		1/4		1/4		1/4	
1/2	1,693.80	1/2	1,334.89	1/2	976.18	1/2	619.96	1/2	264.69	1/2		1/2		1/2		1/2		1/2	
3/4	1,686.32	3/4	1,327.41	3/4	968.72	3/4	612.68	3/4	257.42	3/4		3/4		3/4		3/4		3/4	
6	1,678.84	6	1,319.93	6	961.25	6	605.41	6	250.14	6		6		6		6		6	
1/4	1,671.37	1/4	1,312.46	1/4	953.79	1/4	598.13	1/4	242.87	1/4		1/4		1/4		1/4		1/4	
1/2	1,663.89	1/2	1,304.98	1/2	946.32	1/2	590.86	1/2	235.59	1/2		1/2		1/2		1/2		1/2	
3/4	1,656.41	3/4	1,297.50	3/4	938.86	3/4	583.58	3/4	228.32	3/4		3/4		3/4		3/4		3/4	
7	1,648.94	7	1,290.03	7	931.39	7	576.31	7	221.04	7		7		7		7		7	
1/4	1,641.46	1/4	1,282.55	1/4	923.93	1/4	569.03	1/4	213.77	1/4		1/4		1/4		1/4		1/4	
1/2	1,633.98	1/2	1,275.07	1/2	916.47	1/2	561.76	1/2	206.49	1/2		1/2		1/2		1/2		1/2	
3/4	1,626.50	3/4	1,267.59	3/4	909.00	3/4	554.48	3/4	199.22	3/4		3/4		3/4		3/4		3/4	
8	1,619.03	8	1,260.12	8	901.54	8	547.21	8	191.94	8		8		8		8		8	
1/4	1,611.55	1/4	1,252.64	1/4	894.07	1/4	539.93	1/4	184.67	1/4		1/4		1/4		1/4		1/4	
1/2	1,604.07	1/2	1,245.16	1/2	886.61	1/2	532.66	1/2	177.39	1/2		1/2		1/2		1/2		1/2	
3/4	1,596.59	3/4	1,237.68	3/4	879.14	3/4	525.38	3/4	170.12	3/4		3/4		3/4		3/4		3/4	
9	1,589.12	9	1,230.21	9	871.68	9	518.11	9	162.84	9		9		9		9		9	
1/4	1,581.64	1/4	1,222.73	1/4	864.22	1/4	510.83	1/4	155.57	1/4		1/4		1/4		1/4		1/4	
1/2	1,574.16	1/2	1,215.25	1/2	856.75	1/2	503.56	1/2	148.29	1/2		1/2		1/2		1/2		1/2	
3/4	1,566.69	3/4	1,207.77	3/4	849.29	3/4	496.08	3/4	141.02	3/4		3/4		3/4		3/4		3/4	
10	1,559.21	10	1,200.30	10	841.82	10	488.60	10	133.74	10		10		10		10		10	
1/4	1,551.73	1/4	1,192.82	1/4	834.36	1/4	481.13	1/4	126.47	1/4		1/4		1/4		1/4		1/4	
1/2	1,544.25	1/2	1,185.34	1/2	826.88	1/2	473.65	1/2	119.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,536.78	3/4	1,177.87	3/4	819.41	3/4	466.17	3/4	111.92	3/4		3/4		3/4		3/4		3/4	
11	1,529.30	11	1,170.39	11	811.94	11	458.69	11	104.64	11		11		11		11		11	
1/4	1,521.82	1/4	1,162.91	1/4	804.46	1/4	451.22	1/4	97.37	1/4		1/4		1/4		1/4		1/4	
1/2	1,514.34	1/2	1,155.43	1/2	796.98	1/2	443.74	1/2	90.09	1/2		1/2		1/2		1/2		1/2	
3/4	1,506.87	3/4	1,147.96	3/4	789.51	3/4	436.26	3/4	82.82	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2014 SW  
CALCULATED: 07/29/2014 CL  
PRINTED: 07/30/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2014

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



# BARGE "PTC 1401"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/2"

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	4,116.48	0	4,001.28	0	3,865.74	0	3,729.41	0	3,593.08	0	3,274.05	0	2,917.86	0	2,561.44	0	2,206.18
1/4	1/4	1/4	4,116.36	1/4	3,998.48	1/4	3,862.90	1/4	3,726.57	1/4	3,590.24	1/4	3,266.65	1/4	2,910.43	1/4	2,554.01	1/4	2,198.81
1/2	1/2	1/2	4,116.23	1/2	3,995.68	1/2	3,860.06	1/2	3,723.73	1/2	3,587.40	1/2	3,259.24	1/2	2,903.01	1/2	2,546.58	1/2	2,191.44
3/4	3/4	3/4	4,116.11	3/4	3,992.89	3/4	3,857.22	3/4	3,720.89	3/4	3,584.56	3/4	3,251.84	3/4	2,895.58	3/4	2,539.14	3/4	2,184.07
1	1	1	4,115.17	1	3,990.07	1	3,854.38	1	3,718.05	1	3,581.72	1	3,244.43	1	2,888.16	1	2,531.71	1	2,176.70
1/4	1/4	1/4	4,114.23	1/4	3,987.25	1/4	3,851.54	1/4	3,715.21	1/4	3,578.88	1/4	3,237.01	1/4	2,880.73	1/4	2,524.28	1/4	2,169.33
1/2	1/2	1/2	4,113.29	1/2	3,984.43	1/2	3,848.70	1/2	3,712.37	1/2	3,576.04	1/2	3,229.59	1/2	2,873.31	1/2	2,516.85	1/2	2,161.96
3/4	3/4	3/4	4,112.35	3/4	3,981.61	3/4	3,845.86	3/4	3,709.53	3/4	3,573.20	3/4	3,222.18	3/4	2,865.89	3/4	2,509.42	3/4	2,154.59
2	2	2	4,110.35	2	3,978.78	2	3,843.02	2	3,706.69	2	3,566.91	2	3,214.76	2	2,858.46	2	2,501.98	2	2,147.22
1/4	1/4	1/4	4,108.34	1/4	3,975.96	1/4	3,840.18	1/4	3,703.85	1/4	3,560.62	1/4	3,207.33	1/4	2,851.04	1/4	2,494.55	1/4	2,139.86
1/2	1/2	1/2	4,106.34	1/2	3,973.13	1/2	3,837.34	1/2	3,701.01	1/2	3,554.33	1/2	3,199.91	1/2	2,843.61	1/2	2,487.12	1/2	2,132.49
3/4	3/4	3/4	4,104.34	3/4	3,970.31	3/4	3,834.50	3/4	3,698.17	3/4	3,548.03	3/4	3,192.49	3/4	2,836.19	3/4	2,479.69	3/4	2,125.12
3	3	3	4,101.67	3	3,967.48	3	3,831.66	3	3,695.33	3	3,540.61	3	3,185.07	3	2,828.76	3	2,472.28	3	2,117.75
1/4	1/4	1/4	4,099.00	1/4	3,964.65	1/4	3,828.82	1/4	3,692.49	1/4	3,533.19	1/4	3,177.65	1/4	2,821.34	1/4	2,464.88	1/4	2,110.38
1/2	1/2	1/2	4,096.33	1/2	3,961.83	1/2	3,825.98	1/2	3,689.65	1/2	3,525.77	1/2	3,170.22	1/2	2,813.91	1/2	2,457.48	1/2	2,103.01
3/4	3/4	3/4	4,093.67	3/4	3,959.00	3/4	3,823.14	3/4	3,686.81	3/4	3,518.35	3/4	3,162.80	3/4	2,806.49	3/4	2,450.07	3/4	2,095.64
4	4	4	4,090.87	4	3,956.18	4	3,820.30	4	3,683.97	4	3,510.94	4	3,155.38	4	2,799.06	4	2,442.68	4	2,088.27
1/4	1/4	1/4	4,088.06	1/4	3,953.35	1/4	3,817.46	1/4	3,681.13	1/4	3,503.53	1/4	3,147.96	1/4	2,791.64	1/4	2,435.29	1/4	2,080.90
1/2	1/2	1/2	4,085.26	1/2	3,950.52	1/2	3,814.62	1/2	3,678.29	1/2	3,496.11	1/2	3,140.53	1/2	2,784.21	1/2	2,427.89	1/2	2,073.53
3/4	3/4	3/4	4,082.46	3/4	3,947.70	3/4	3,811.78	3/4	3,675.45	3/4	3,488.70	3/4	3,133.11	3/4	2,776.79	3/4	2,420.50	3/4	2,066.16
5	5	5	4,079.66	5	3,944.87	5	3,808.94	5	3,672.61	5	3,481.30	5	3,125.69	5	2,769.36	5	2,413.11	5	2,058.79
1/4	1/4	1/4	4,076.86	1/4	3,942.05	1/4	3,806.10	1/4	3,669.77	1/4	3,473.89	1/4	3,118.27	1/4	2,761.94	1/4	2,405.71	1/4	2,051.42
1/2	1/2	1/2	4,074.06	1/2	3,939.22	1/2	3,803.26	1/2	3,666.93	1/2	3,466.49	1/2	3,110.85	1/2	2,754.51	1/2	2,398.32	1/2	2,044.05
3/4	3/4	3/4	4,071.26	3/4	3,936.40	3/4	3,800.42	3/4	3,664.09	3/4	3,459.08	3/4	3,103.42	3/4	2,747.09	3/4	2,390.92	3/4	2,036.69
6	6	6	4,068.46	6	3,933.57	6	3,797.58	6	3,661.25	6	3,451.68	6	3,096.00	6	2,739.66	6	2,383.53	6	2,029.32
1/4	1/4	1/4	4,065.65	1/4	3,930.74	1/4	3,794.74	1/4	3,658.41	1/4	3,444.28	1/4	3,088.58	1/4	2,732.24	1/4	2,376.14	1/4	2,021.95
1/2	1/2	1/2	4,062.85	1/2	3,927.92	1/2	3,791.90	1/2	3,655.57	1/2	3,436.88	1/2	3,081.16	1/2	2,724.81	1/2	2,368.74	1/2	2,014.58
3/4	3/4	3/4	4,060.05	3/4	3,925.09	3/4	3,789.06	3/4	3,652.73	3/4	3,429.48	3/4	3,073.73	3/4	2,717.39	3/4	2,361.35	3/4	2,007.21
7	7	7	4,057.25	7	3,922.27	7	3,786.22	7	3,649.89	7	3,422.08	7	3,066.31	7	2,709.96	7	2,353.96	7	1,999.84
1/4	1/4	1/4	4,054.45	1/4	3,919.44	1/4	3,783.38	1/4	3,647.05	1/4	3,414.67	1/4	3,058.89	1/4	2,702.54	1/4	2,346.56	1/4	1,992.47
1/2	1/2	1/2	4,051.65	1/2	3,916.62	1/2	3,780.54	1/2	3,644.21	1/2	3,407.27	1/2	3,051.47	1/2	2,695.11	1/2	2,339.17	1/2	1,985.10
3/4	3/4	3/4	4,048.86	3/4	3,913.79	3/4	3,777.70	3/4	3,641.37	3/4	3,399.87	3/4	3,044.05	3/4	2,687.69	3/4	2,331.78	3/4	1,977.73
8	8	8	4,046.06	8	3,910.96	8	3,774.86	8	3,638.53	8	3,392.47	8	3,036.62	8	2,680.27	8	2,324.38	8	1,970.36
1/4	1/4	1/4	4,043.26	1/4	3,908.14	1/4	3,772.02	1/4	3,635.69	1/4	3,385.07	1/4	3,029.20	1/4	2,672.84	1/4	2,316.99	1/4	1,962.99
1/2	1/2	1/2	4,040.46	1/2	3,905.31	1/2	3,769.18	1/2	3,632.85	1/2	3,377.67	1/2	3,021.78	1/2	2,665.42	1/2	2,309.59	1/2	1,955.62
3/4	3/4	3/4	4,037.66	3/4	3,902.49	3/4	3,766.34	3/4	3,630.01	3/4	3,370.27	3/4	3,014.36	3/4	2,657.99	3/4	2,302.20	3/4	1,948.25
9	9	9	4,034.86	9	3,899.66	9	3,763.50	9	3,627.17	9	3,362.86	9	3,006.93	9	2,650.57	9	2,294.81	9	1,940.88
1/4	1/4	1/4	4,032.06	1/4	3,896.83	1/4	3,760.66	1/4	3,624.33	1/4	3,355.46	1/4	2,999.51	1/4	2,643.14	1/4	2,287.41	1/4	1,933.52
1/2	1/2	1/2	4,029.27	1/2	3,894.01	1/2	3,757.82	1/2	3,621.49	1/2	3,348.06	1/2	2,992.09	1/2	2,635.72	1/2	2,280.02	1/2	1,926.15
3/4	3/4	3/4	4,026.47	3/4	3,891.18	3/4	3,754.98	3/4	3,618.65	3/4	3,340.66	3/4	2,984.67	3/4	2,628.29	3/4	2,272.63	3/4	1,918.78
10	10	10	4,023.67	10	3,888.36	10	3,752.13	10	3,615.81	10	3,333.26	10	2,977.25	10	2,620.87	10	2,265.23	10	1,911.41
1/4	1/4	1/4	4,020.87	1/4	3,885.53	1/4	3,749.29	1/4	3,612.97	1/4	3,325.86	1/4	2,969.82	1/4	2,613.44	1/4	2,257.84	1/4	1,904.04
1/2	1/2	1/2	4,018.07	1/2	3,882.71	1/2	3,746.45	1/2	3,610.12	1/2	3,318.46	1/2	2,962.40	1/2	2,606.02	1/2	2,250.44	1/2	1,896.67
3/4	3/4	3/4	4,015.27	3/4	3,879.88	3/4	3,743.61	3/4	3,607.28	3/4	3,311.05	3/4	2,954.98	3/4	2,598.59	3/4	2,243.05	3/4	1,889.30
11	11	11	4,012.48	11	3,877.05	11	3,740.77	11	3,604.44	11	3,303.65	11	2,947.56	11	2,591.16	11	2,235.68	11	1,881.88
1/4	1/4	1/4	4,009.68	1/4	3,874.23	1/4	3,737.93	1/4	3,601.60	1/4	3,296.25	1/4	2,940.13	1/4	2,583.73	1/4	2,228.30	1/4	1,874.47
1/2	1/2	1/2	4,006.88	1/2	3,871.40	1/2	3,735.09	1/2	3,598.76	1/2	3,288.85	1/2	2,932.71	1/2	2,576.30	1/2	2,220.92	1/2	1,867.06
3/4	3/4	3/4	4,004.08	3/4	3,868.58	3/4	3,732.25	3/4	3,595.92	3/4	3,281.45	3/4	2,925.28	3/4	2,568.87	3/4	2,213.55	3/4	1,859.64

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 8 INCH HATCH OR TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (8 INCH HATCH OR HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 56'-03" 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 "PTC 1401"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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	1,852.21	0	1,495.46	0	1,139.56	0	792.76	0	441.46	0	89.75	0		0		0		0	
1/4	1,844.78	1/4	1,488.03	1/4	1,132.34	1/4	785.32	1/4	434.02	1/4	82.50	1/4		1/4		1/4		1/4	
1/2	1,837.34	1/2	1,480.60	1/2	1,125.11	1/2	777.89	1/2	426.59	1/2	75.25	1/2		1/2		1/2		1/2	
3/4	1,829.91	3/4	1,473.17	3/4	1,117.89	3/4	770.45	3/4	419.15	3/4	67.81	3/4		3/4		3/4		3/4	
1	1,822.48	1	1,465.73	1	1,110.68	1	763.01	1	411.72	1	61.06	1		1		1		1	
1/4	1,815.05	1/4	1,458.30	1/4	1,103.47	1/4	755.58	1/4	404.28	1/4	54.31	1/4		1/4		1/4		1/4	
1/2	1,807.62	1/2	1,450.87	1/2	1,096.25	1/2	748.14	1/2	396.85	1/2	47.56	1/2		1/2		1/2		1/2	
3/4	1,800.18	3/4	1,443.44	3/4	1,089.04	3/4	740.71	3/4	389.41	3/4	40.81	3/4		3/4		3/4		3/4	
2	1,792.75	2	1,436.01	2	1,081.83	2	733.27	2	381.98	2	35.69	2		2		2		2	
1/4	1,785.32	1/4	1,428.57	1/4	1,074.62	1/4	725.83	1/4	374.54	1/4	30.57	1/4		1/4		1/4		1/4	
1/2	1,777.89	1/2	1,421.14	1/2	1,067.41	1/2	718.40	1/2	367.11	1/2	25.45	1/2		1/2		1/2		1/2	
3/4	1,770.45	3/4	1,413.71	3/4	1,060.20	3/4	710.96	3/4	359.67	3/4		3/4		3/4		3/4		3/4	
3	1,763.02	3	1,406.28	3	1,052.99	3	703.52	3	352.24	3		3		3		3		3	
1/4	1,755.59	1/4	1,398.84	1/4	1,045.79	1/4	696.29	1/4	344.80	1/4		1/4		1/4		1/4		1/4	
1/2	1,748.16	1/2	1,391.41	1/2	1,038.58	1/2	689.05	1/2	337.37	1/2		1/2		1/2		1/2		1/2	
3/4	1,740.73	3/4	1,383.98	3/4	1,031.38	3/4	681.82	3/4	329.93	3/4		3/4		3/4		3/4		3/4	
4	1,733.29	4	1,376.55	4	1,024.18	4	674.58	4	322.50	4		4		4		4		4	
1/4	1,725.86	1/4	1,369.12	1/4	1,016.97	1/4	667.35	1/4	315.06	1/4		1/4		1/4		1/4		1/4	
1/2	1,718.43	1/2	1,361.68	1/2	1,009.77	1/2	660.11	1/2	307.63	1/2		1/2		1/2		1/2		1/2	
3/4	1,711.00	3/4	1,354.25	3/4	1,002.57	3/4	652.88	3/4	300.19	3/4		3/4		3/4		3/4		3/4	
5	1,703.56	5	1,346.82	5	995.37	5	645.64	5	292.76	5		5		5		5		5	
1/4	1,696.13	1/4	1,339.39	1/4	988.16	1/4	638.41	1/4	285.32	1/4		1/4		1/4		1/4		1/4	
1/2	1,688.70	1/2	1,331.95	1/2	980.96	1/2	631.17	1/2	277.89	1/2		1/2		1/2		1/2		1/2	
3/4	1,681.27	3/4	1,324.52	3/4	973.76	3/4	623.94	3/4	270.65	3/4		3/4		3/4		3/4		3/4	
6	1,673.84	6	1,317.09	6	966.56	6	616.70	6	263.42	6		6		6		6		6	
1/4	1,666.40	1/4	1,309.66	1/4	959.35	1/4	609.47	1/4	256.19	1/4		1/4		1/4		1/4		1/4	
1/2	1,658.97	1/2	1,302.23	1/2	952.15	1/2	602.23	1/2	248.95	1/2		1/2		1/2		1/2		1/2	
3/4	1,651.54	3/4	1,294.79	3/4	944.95	3/4	595.00	3/4	241.72	3/4		3/4		3/4		3/4		3/4	
7	1,644.11	7	1,287.36	7	937.74	7	587.76	7	234.49	7		7		7		7		7	
1/4	1,636.67	1/4	1,279.93	1/4	930.54	1/4	580.53	1/4	227.25	1/4		1/4		1/4		1/4		1/4	
1/2	1,629.24	1/2	1,272.50	1/2	923.34	1/2	573.29	1/2	220.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,621.81	3/4	1,265.06	3/4	916.14	3/4	566.06	3/4	212.78	3/4		3/4		3/4		3/4		3/4	
8	1,614.38	8	1,257.63	8	908.93	8	558.82	8	205.55	8		8		8		8		8	
1/4	1,606.95	1/4	1,250.20	1/4	901.73	1/4	551.59	1/4	198.31	1/4		1/4		1/4		1/4		1/4	
1/2	1,599.51	1/2	1,242.77	1/2	894.53	1/2	544.35	1/2	191.08	1/2		1/2		1/2		1/2		1/2	
3/4	1,592.08	3/4	1,235.34	3/4	887.33	3/4	537.12	3/4	183.84	3/4		3/4		3/4		3/4		3/4	
9	1,584.65	9	1,227.90	9	880.12	9	529.88	9	176.61	9		9		9		9		9	
1/4	1,577.22	1/4	1,220.47	1/4	872.92	1/4	522.65	1/4	169.37	1/4		1/4		1/4		1/4		1/4	
1/2	1,569.78	1/2	1,213.04	1/2	865.72	1/2	515.41	1/2	162.13	1/2		1/2		1/2		1/2		1/2	
3/4	1,562.35	3/4	1,205.61	3/4	858.52	3/4	508.18	3/4	154.90	3/4		3/4		3/4		3/4		3/4	
10	1,554.92	10	1,198.17	10	851.31	10	500.94	10	147.66	10		10		10		10		10	
1/4	1,547.49	1/4	1,190.74	1/4	844.11	1/4	493.51	1/4	140.43	1/4		1/4		1/4		1/4		1/4	
1/2	1,540.06	1/2	1,183.31	1/2	836.91	1/2	486.07	1/2	133.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,532.62	3/4	1,175.88	3/4	829.71	3/4	478.63	3/4	125.95	3/4		3/4		3/4		3/4		3/4	
11	1,525.19	11	1,168.60	11	822.33	11	471.20	11	118.71	11		11		11		11		11	
1/4	1,517.76	1/4	1,161.33	1/4	814.95	1/4	463.76	1/4	111.47	1/4		1/4		1/4		1/4		1/4	
1/2	1,510.33	1/2	1,154.05	1/2	807.57	1/2	456.33	1/2	104.23	1/2		1/2		1/2		1/2		1/2	
3/4	1,502.90	3/4	1,146.78	3/4	800.20	3/4	448.89	3/4	96.99	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2014 SW  
CALCULATED: 07/29/2014 CL  
PRINTED: 07/30/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2014

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



# BARGE "PTC 1401"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/2"

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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO 8 INCH HATCH OR TOP LIP OF 2" HERMETIC VALVE.  
 GAUGE POINT: (8 INCH HATCH OR HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 56'-03" 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 "PTC 1401"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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	1,865.88	0	1,508.37	0	1,150.86	0	793.89	0	442.03	0	89.75	0		0		0		0	
1/4	1,858.44	1/4	1,500.92	1/4	1,143.41	1/4	786.44	1/4	434.58	1/4	82.51	1/4		1/4		1/4		1/4	
1/2	1,850.99	1/2	1,493.47	1/2	1,135.96	1/2	779.00	1/2	427.13	1/2	75.26	1/2		1/2		1/2		1/2	
3/4	1,843.54	3/4	1,486.03	3/4	1,128.51	3/4	771.55	3/4	419.68	3/4	67.81	3/4		3/4		3/4		3/4	
1	1,836.09	1	1,478.58	1	1,121.07	1	764.10	1	412.23	1	61.06	1		1		1		1	
1/4	1,828.64	1/4	1,471.13	1/4	1,113.63	1/4	756.65	1/4	404.79	1/4	54.31	1/4		1/4		1/4		1/4	
1/2	1,821.19	1/2	1,463.68	1/2	1,106.18	1/2	749.20	1/2	397.34	1/2	47.56	1/2		1/2		1/2		1/2	
3/4	1,813.75	3/4	1,456.23	3/4	1,098.74	3/4	741.76	3/4	389.89	3/4	40.81	3/4		3/4		3/4		3/4	
2	1,806.30	2	1,448.78	2	1,091.30	2	734.31	2	382.44	2	35.69	2		2		2		2	
1/4	1,798.85	1/4	1,441.34	1/4	1,083.86	1/4	726.86	1/4	374.99	1/4	30.57	1/4		1/4		1/4		1/4	
1/2	1,791.40	1/2	1,433.89	1/2	1,076.42	1/2	719.41	1/2	367.54	1/2	25.45	1/2		1/2		1/2		1/2	
3/4	1,783.95	3/4	1,426.44	3/4	1,068.98	3/4	711.96	3/4	360.10	3/4		3/4		3/4		3/4		3/4	
3	1,776.51	3	1,418.99	3	1,061.55	3	704.52	3	352.65	3		3		3		3		3	
1/4	1,769.06	1/4	1,411.54	1/4	1,054.11	1/4	697.27	1/4	345.20	1/4		1/4		1/4		1/4		1/4	
1/2	1,761.61	1/2	1,404.10	1/2	1,046.68	1/2	690.02	1/2	337.75	1/2		1/2		1/2		1/2		1/2	
3/4	1,754.16	3/4	1,396.65	3/4	1,039.24	3/4	682.78	3/4	330.30	3/4		3/4		3/4		3/4		3/4	
4	1,746.71	4	1,389.20	4	1,031.81	4	675.53	4	322.86	4		4		4		4		4	
1/4	1,739.26	1/4	1,381.75	1/4	1,024.38	1/4	668.28	1/4	315.41	1/4		1/4		1/4		1/4		1/4	
1/2	1,731.82	1/2	1,374.30	1/2	1,016.94	1/2	661.04	1/2	307.96	1/2		1/2		1/2		1/2		1/2	
3/4	1,724.37	3/4	1,366.85	3/4	1,009.51	3/4	653.79	3/4	300.51	3/4		3/4		3/4		3/4		3/4	
5	1,716.92	5	1,359.41	5	1,002.08	5	646.54	5	293.06	5		5		5		5		5	
1/4	1,709.47	1/4	1,351.96	1/4	994.64	1/4	639.30	1/4	285.62	1/4		1/4		1/4		1/4		1/4	
1/2	1,702.02	1/2	1,344.51	1/2	987.21	1/2	632.05	1/2	278.17	1/2		1/2		1/2		1/2		1/2	
3/4	1,694.57	3/4	1,337.06	3/4	979.78	3/4	624.80	3/4	270.92	3/4		3/4		3/4		3/4		3/4	
6	1,687.13	6	1,329.61	6	972.34	6	617.56	6	263.67	6		6		6		6		6	
1/4	1,679.68	1/4	1,322.16	1/4	964.91	1/4	610.31	1/4	256.43	1/4		1/4		1/4		1/4		1/4	
1/2	1,672.23	1/2	1,314.72	1/2	957.48	1/2	603.06	1/2	249.18	1/2		1/2		1/2		1/2		1/2	
3/4	1,664.78	3/4	1,307.27	3/4	950.05	3/4	595.82	3/4	241.93	3/4		3/4		3/4		3/4		3/4	
7	1,657.33	7	1,299.82	7	942.61	7	588.57	7	234.69	7		7		7		7		7	
1/4	1,649.89	1/4	1,292.37	1/4	935.18	1/4	581.32	1/4	227.44	1/4		1/4		1/4		1/4		1/4	
1/2	1,642.44	1/2	1,284.92	1/2	927.75	1/2	574.08	1/2	220.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,634.99	3/4	1,277.48	3/4	920.31	3/4	566.83	3/4	212.95	3/4		3/4		3/4		3/4		3/4	
8	1,627.54	8	1,270.03	8	912.88	8	559.58	8	205.70	8		8		8		8		8	
1/4	1,620.09	1/4	1,262.58	1/4	905.45	1/4	552.34	1/4	198.45	1/4		1/4		1/4		1/4		1/4	
1/2	1,612.64	1/2	1,255.13	1/2	898.01	1/2	545.09	1/2	191.21	1/2		1/2		1/2		1/2		1/2	
3/4	1,605.20	3/4	1,247.68	3/4	890.58	3/4	537.84	3/4	183.96	3/4		3/4		3/4		3/4		3/4	
9	1,597.75	9	1,240.23	9	883.15	9	530.60	9	176.71	9		9		9		9		9	
1/4	1,590.30	1/4	1,232.79	1/4	875.72	1/4	523.35	1/4	169.47	1/4		1/4		1/4		1/4		1/4	
1/2	1,582.85	1/2	1,225.34	1/2	868.28	1/2	516.10	1/2	162.22	1/2		1/2		1/2		1/2		1/2	
3/4	1,575.40	3/4	1,217.89	3/4	860.85	3/4	508.86	3/4	154.97	3/4		3/4		3/4		3/4		3/4	
10	1,567.96	10	1,210.44	10	853.42	10	501.61	10	147.73	10		10		10		10		10	
1/4	1,560.51	1/4	1,202.99	1/4	845.98	1/4	494.16	1/4	140.48	1/4		1/4		1/4		1/4		1/4	
1/2	1,553.06	1/2	1,195.55	1/2	838.55	1/2	486.71	1/2	133.23	1/2		1/2		1/2		1/2		1/2	
3/4	1,545.61	3/4	1,188.10	3/4	831.12	3/4	479.27	3/4	125.99	3/4		3/4		3/4		3/4		3/4	
11	1,538.16	11	1,180.65	11	823.67	11	471.82	11	118.74	11		11		11		11		11	
1/4	1,530.71	1/4	1,173.20	1/4	816.23	1/4	464.37	1/4	111.49	1/4		1/4		1/4		1/4		1/4	
1/2	1,523.27	1/2	1,165.75	1/2	808.78	1/2	456.92	1/2	104.25	1/2		1/2		1/2		1/2		1/2	
3/4	1,515.82	3/4	1,158.30	3/4	801.34	3/4	449.47	3/4	97.00	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2014 SW  
CALCULATED: 07/29/2014 CL  
PRINTED: 07/30/2014 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2014

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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