BARGE "CTCo 315"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	**STERN**	**BOW**	**STERN**	**BOW**	**STERN**	**BOW**	**STERN**	**BOW**	**STERN**	**BOW**	**STERN**
1 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	00-0/8	- 00-0/8	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	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
3 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8

(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 2'-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: 236'-03"

September 10, 2013

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

http://www.pmacorp.net

BARGE "CTCo 315"

1 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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		0	4,772.52	0	4,432.46	0	4,071.65	0	3,705.00	0	3,338.04	0	2,970.81	0	2,603.41	0	2,236.01
1/4		1/4	5,101.13	1/4	4,765.67	1/4	4,425.14	1/4	4,064.01	1/4	3,697.36	1/4	3,330.38	1/4	2,963.15	1/4	2,595.75	1/4	2,228.35
1/2		1/2	5,095.08	1/2	4,758.83	1/2	4,417.82	1/2	4,056.38	1/2	3,689.72	1/2	3,322.73	1/2	2,955.50	1/2	2,588.10	1/2	2,220.70
3/4		3/4	5,089.03	3/4	4,751.98	3/4	4,410.49	3/4	4,048.74	3/4	3,682.08	3/4	3,315.08	3/4	2,947.85	3/4	2,580.44	3/4	2,213.04
1		1	5,081.83	1	4,745.08	1	4,403.13	1	4,041.10	1	3,674.45	1	3,307.43	1	2,940.19	1	2,572.79	1	2,205.39
1/4		1/4	5,074.63	1/4	4,738.17	1/4	4,395.77	1/4	4,033.46	1/4	3,666.81	1/4	3,299.78	1/4	2,932.54	1/4	2,565.14	1/4	2,197.73
1/2		1/2	5,067.43	1/2	4,731.27	1/2	4,388.40	1/2	4,025.82	1/2	3,659.17	1/2	3,292.13	1/2	2,924.88	1/2	2,557.48	1/2	2,190.08
3/4		3/4	5,060.23	3/4	4,724.37	3/4	4,381.04	3/4	4,018.18	3/4	3,651.53	3/4	3,284.48	3/4	2,917.23	3/4	2,549.83	3/4	2,182.43
2		2	5,052.65	2	4,717.41	2	4,373.64	2	4,010.54	2	3,643.89	2	3,276.83	2	2,909.57	2	2,542.17	2	2,174.77
1/4		1/4	5,045.07	1/4	4,710.46	1/4	4,366.24	1/4	4,002.91	1/4	3,636.25	1/4	3,269.18	1/4	2,901.92	1/4	2,534.52	1/4	2,167.12
1/2		1/2	5,037.48	1/2	4,703.50	1/2	4,358.84	1/2	3,995.27	1/2	3,628.61	1/2	3,261.53	1/2	2,894.27	1/2	2,526.86	1/2	2,159.46
3/4		3/4	5,029.90	3/4	4,696.55	3/4	4,351.44	3/4	3,987.63	3/4	3,620.98	3/4	3,253.88	3/4	2,886.61	3/4	2,519.21	3/4	2,151.81
3		3	5,022.32	3	4,689.55	3	4,344.01	3	3,979.99	3	3,613.34	3	3,246.23	3	2,878.96	3	2,511.56	3	2,144.15
1/4		1/4	5,014.74	1/4	4,682.56	1/4	4,336.58	1/4	3,972.35	1/4	3,605.70	1/4	3,238.58	1/4	2,871.30	1/4	2,503.90	1/4	2,136.50
1/2		1/2	5,007.16	1/2	4,675.57	1/2	4,329.14	1/2	3,964.71	1/2	3,598.06	1/2	3,230.93	1/2	2,863.65	1/2	2,496.25	1/2	2,128.85
3/4		3/4	4,999.58	3/4	4,668.57	3/4	4,321.71	3/4	3,957.07	3/4	3,590.42	3/4	3,223.28	3/4	2,856.00	3/4	2,488.59	3/4	2,121.19
4		4	4,992.00	4	4,661.54	4	4,314.25	4	3,949.44	4	3,582.78	4	3,215.63	4	2,848.34	4	2,480.94	4	2,113.54
1/4		1/4	4,984.42	1/4	4,654.51	1/4	4,306.78	1/4	3,941.80	1/4	3,575.14	1/4	3,207.98	1/4	2,840.69	1/4	2,473.29	1/4	2,105.88
1/2		1/2	4,976.84	1/2	4,647.48	1/2	4,299.31	1/2	3,934.16	1/2	3,567.51	1/2	3,200.33	1/2	2,833.03	1/2	2,465.63	1/2	2,098.23
3/4		3/4	4,969.25	3/4	4,640.45	3/4	4,291.85	3/4	3,926.52	3/4	3,559.87	3/4	3,192.68	3/4	2,825.38	3/4	2,457.98	3/4	2,090.58
5		5	4,962.15	5	4,633.38	5	4,284.35	5	3,918.88	5	3,552.22	5	3,185.03	5	2,817.72	5	2,450.32	5	2,082.92
1/4		1/4	4,955.05	1/4	4,626.32	1/4	4,276.84	1/4	3,911.24	1/4	3,544.58	1/4	3,177.38	1/4	2,810.07	1/4	2,442.67	1/4	2,075.27
1/2		1/2	4,947.95	1/2	4,619.25	1/2	4,269.34	1/2	3,903.60	1/2	3,536.93	1/2	3,169.73	1/2	2,802.42	1/2	2,435.01	1/2	2,067.61
3/4		3/4	4,940.84	3/4	4,612.19	3/4	4,261.83	3/4	3,895.97	3/4	3,529.29	3/4	3,162.08	3/4	2,794.76	3/4	2,427.36	3/4	2,059.96
6		6	4,934.20	6	4,605.09	6	4,254.29	6	3,888.33	6	3,521.64	6	3,154.43	6	2,787.11	6	2,419.71	6	2,052.30
1/4		1/4	4,927.56	1/4	4,597.99	1/4	4,246.75	1/4	3,880.69	1/4	3,513.99	1/4	3,146.78	1/4	2,779.45	1/4	2,412.05	1/4	2,044.65
1/2		1/2	4,920.92	1/2	4,590.89	1/2	4,239.21	1/2	3,873.05	1/2	3,506.34	1/2	3,139.13	1/2	2,771.80	1/2	2,404.40	1/2	2,037.00
3/4		3/4	4,914.28	3/4	4,583.79	3/4	4,231.67	3/4	3,865.41	3/4	3,498.69	3/4	3,131.48	3/4	2,764.14	3/4	2,396.74	3/4	2,029.34
7		7	4,907.60	7	4,576.66	7	4,224.09	7	3,857.77	7	3,491.04	7	3,123.83	7	2,756.49	7	2,389.09	7	2,021.69
1/4		1/4	4,900.93	1/4	4,569.53	1/4	4,216.51	1/4	3,850.13	1/4	3,483.39	1/4	3,116.18	1/4	2,748.84	1/4	2,381.43	1/4	2,014.03
1/2		1/2	4,894.26	1/2	4,562.39	1/2	4,208.94	1/2	3,842.50	1/2	3,475.74	1/2	3,108.53	1/2	2,741.18	1/2	2,373.78	1/2	2,006.38
3/4		3/4	4,887.58	3/4	4,555.26	3/4	4,201.36	3/4	3,834.86	3/4	3,468.09	3/4	3,100.88	3/4	2,733.53	3/4	2,366.13	3/4	1,998.72
8		8	4,880.87	8	4,548.10	8	4,193.75	8	3,827.22	8	3,460.44	8	3,093.23	8	2,725.87	8	2,358.47	8	1,991.07
1/4		1/4	4,874.16	1/4	4,540.93	1/4	4,186.15	1/4	3,819.58	1/4	3,452.79	1/4	3,085.58	1/4	2,718.22	1/4	2,350.82	1/4	1,983.42
1/2		1/2	4,867.45	1/2	4,533.76	1/2	4,178.54	1/2	3,811.94	1/2	3,445.14	1/2	3,077.93	1/2	2,710.57	1/2	2,343.16	1/2	1,975.76
3/4		3/4	4,860.74	3/4	4,526.60	3/4	4,170.93	3/4	3,804.30	3/4	3,437.49	3/4	3,070.28	3/4	2,702.91	3/4	2,335.51	3/4	1,968.11
9		9	4,854.00	9	4,519.40	9	4,163.30	9	3,796.66	9	3,429.84	9	3,062.63	9	2,695.26	9	2,327.86	9	1,960.45
1/4		1/4	4,847.25	1/4	4,512.20	1/4	4,155.66	1/4	3,789.03	1/4	3,422.19	1/4	3,054.98	1/4	2,687.60	1/4	2,320.20	1/4	1,952.80
1/2		1/2	4,840.50	1/2	4,505.00	1/2	4,148.03	1/2	3,781.39	1/2	3,414.54	1/2	3,047.33	1/2	2,679.95	1/2	2,312.55	1/2	1,945.15
3/4		3/4	4,833.75	3/4	4,497.80	3/4	4,140.40	3/4	3,773.75	3/4	3,406.89	3/4	3,039.68	3/4	2,672.29	3/4	2,304.89	3/4	1,937.49
10		10	4,826.97	10	4,490.56	10	4,132.76	10	3,766.11	10	3,399.24	10	3,032.03	10	2,664.64	10	2,297.24	10	1,929.84
1/4		1/4	4,820.19	1/4	4,483.33	1/4	4,125.12	1/4	3,758.47	1/4	3,391.59	1/4	3,024.38	1/4	2,656.99	1/4	2,289.58	1/4	1,922.18
1/2		1/2	4,813.41	1/2	4,476.10	1/2	4,117.49	1/2	3,750.83	1/2	3,383.94	1/2	3,016.73	1/2	2,649.33	1/2	2,281.93	1/2	1,914.53
3/4		3/4	4,806.63	3/4	4,468.86	3/4	4,109.85	3/4	3,743.19	3/4	3,376.29	3/4	3,009.08	3/4	2,641.68	3/4	2,274.28	3/4	1,906.87
11		11	4,799.82	11	4,461.59	11	4,102.21	11	3,735.56	11	3,368.64	11	3,001.42	11	2,634.02	11	2,266.62	11	1,899.22
1/4		1/4	4,793.00	1/4	4,454.32	1/4	4,094.57	1/4	3,727.92	1/4	3,360.99	1/4	2,993.77	1/4	2,626.37	1/4	2,258.97	1/4	1,891.57
1/2		1/2	4,786.19	1/2	4,447.05	1/2	4,086.93	1/2	3,720.28	1/2	3,353.34	1/2	2,986.12	1/2	2,618.72	1/2	2,251.31	1/2	1,883.91
3/4		3/4	4,779.37	3/4	4,439.78	3/4	4,079.29	3/4	3,712.64	3/4	3,345.69	3/4	2,978.46	3/4	2,611.06	3/4	2,243.66	3/4	1,876.26

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 AT 2" DIAMETER OPENING ON "HERMETIC" CLOSED GAUGING VALVE.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

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

BARGE "CTCo 315"

1 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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	1,868.60	0	1,501.20	0	1,133.89	0	768.61	0	404.63	0	82.08	0		0		0		0	
1/4	1,860.95	1/4	1,493.55	1/4	1,126.26	1/4	760.96	1/4	397.38	1/4	75.96	1/4		1/4		1/4		1/4	
1/2	1,853.30	1/2	1,485.89	1/2	1,118.64	1/2	753.31	1/2	390.14	1/2	69.84	1/2		1/2		1/2		1/2	
3/4	1,845.64	3/4	1,478.24	3/4	1,111.01	3/4	745.65	3/4	382.89	3/4	63.72	3/4		3/4		3/4		3/4	
1	1,837.99	1	1,470.59	1	1,103.40	1	738.00	1	375.74	1	58.16	1		1		1		1	
1/4	1,830.33	1/4	1,462.93	1/4	1,095.78	1/4	730.34	1/4	368.58	1/4	52.61	1/4		1/4		1/4		1/4	
1/2	1,822.68	1/2	1,455.28	1/2	1,088.16	1/2	722.69	1/2	361.43	1/2	47.05	1/2		1/2		1/2		1/2	
3/4	1,815.02	3/4	1,447.62	3/4	1,080.54	3/4	715.04	3/4	354.27	3/4	41.50	3/4		3/4		3/4		3/4	
2	1,807.37	2	1,439.97	2	1,072.93	2	707.38	2	347.21	2	37.00	2		2		2		2	
1/4	1,799.72	1/4	1,432.31	1/4	1,065.32	1/4	699.73	1/4	340.15	1/4	32.51	1/4		1/4		1/4		1/4	
1/2	1,792.06	1/2	1,424.66	1/2	1,057.71	1/2	692.07	1/2	333.08	1/2	28.02	1/2		1/2		1/2		1/2	
3/4	1,784.41	3/4	1,417.01	3/4	1,050.10	3/4	684.42	3/4	326.02	3/4	23.52	3/4		3/4		3/4		3/4	
3	1,776.75	3	1,409.35	3	1,042.49	3	676.77	3	319.05	3		3		3		3		3	
1/4	1,769.10	1/4	1,401.70	1/4	1,034.89	1/4	669.11	1/4	312.07	1/4		1/4		1/4		1/4		1/4	
1/2	1,761.44	1/2	1,394.04	1/2	1,027.28	1/2	661.46	1/2	305.10	1/2		1/2		1/2		1/2		1/2	
3/4	1,753.79	3/4	1,386.39	3/4	1,019.67	3/4	653.80	3/4	298.13	3/4		3/4		3/4		3/4		3/4	
4	1,746.14	4	1,378.73	4	1,012.07	4	646.15	4	291.25	4		4		4		4		4	
1/4	1,738.48	1/4	1,371.08	1/4	1,004.47	1/4	638.50	1/4	284.36	1/4		1/4		1/4		1/4		1/4	
1/2	1,730.83	1/2	1,363.43	1/2	996.86	1/2	630.84	1/2	277.48	1/2		1/2		1/2		1/2		1/2	
3/4	1,723.17	3/4	1,355.77	3/4	989.26	3/4	623.19	3/4	270.60	3/4		3/4		3/4		3/4		3/4	
5	1,715.52	5	1,348.12	5	981.66	5	615.53	5	263.81	5		5		5		5		5	
1/4	1,707.87	1/4	1,340.46	1/4	974.05	1/4	607.88	1/4	257.02	1/4		1/4		1/4		1/4		1/4	
1/2	1,700.21	1/2	1,332.81	1/2	966.45	1/2	600.23	1/2	250.23	1/2		1/2		1/2		1/2		1/2	
3/4	1,692.56	3/4	1,325.16	3/4	958.85	3/4	592.57	3/4	243.44	3/4		3/4		3/4		3/4		3/4	
6	1,684.90	6	1,317.50	6	951.24	6	584.92	6	236.74	6		6		6		6		6	
1/4	1,677.25	1/4	1,309.85	1/4	943.64	1/4	577.26	1/4	230.04	1/4		1/4		1/4		1/4		1/4	
1/2	1,669.59	1/2	1,302.19	1/2	936.04	1/2	569.61	1/2	223.34	1/2		1/2		1/2		1/2		1/2	
3/4	1,661.94	3/4	1,294.54	3/4	928.43	3/4	561.96	3/4	216.64	3/4		3/4		3/4		3/4		3/4	
7	1,654.29	7	1,286.88	7	920.83	7	554.31	7	210.03	7		7		7		7		7	
1/4	1,646.63	1/4	1,279.23	1/4	913.23	1/4	546.67	1/4	203.42	1/4		1/4		1/4		1/4		1/4	
1/2	1,638.98	1/2	1,271.58	1/2	905.62	1/2	539.03	1/2	196.81	1/2		1/2		1/2		1/2		1/2	
3/4	1,631.32	3/4	1,263.92	3/4	898.02	3/4	531.38	3/4	190.20	3/4		3/4		3/4		3/4		3/4	
8	1,623.67	8	1,256.27	8	890.42	8	523.79	8	183.68	8		8		8		8		8	
1/4	1,616.01	1/4	1,248.61	1/4	882.81	1/4	516.19	1/4	177.16	1/4		1/4		1/4		1/4		1/4	
1/2	1,608.36	1/2	1,240.96	1/2	875.21	1/2	508.59	1/2	170.64	1/2		1/2		1/2		1/2		1/2	
3/4	1,600.71	3/4	1,233.30	3/4	867.61	3/4	501.00	3/4	164.12	3/4		3/4		3/4		3/4		3/4	
9	1,593.05	9	1,225.65	9	860.00	9	493.48	9	157.70	9		9		9		9		9	
1/4	1,585.40	1/4	1,218.00	1/4	852.40	1/4	485.96	1/4	151.27	1/4		1/4		1/4		1/4		1/4	
1/2	1,577.74	1/2	1,210.34	1/2	844.80	1/2	478.44	1/2	144.85	1/2		1/2		1/2		1/2		1/2	
3/4	1,570.09	3/4	1,202.69	3/4	837.19	3/4	470.92	3/4	138.42	3/4		3/4		3/4		3/4		3/4	
10	1,562.44	10	1,195.03	10	829.59	10	463.50	10	132.10	10		10		10		10		10	
1/4	1,554.78	1/4	1,187.38	1/4	821.99	1/4	456.07	1/4	125.77	1/4		1/4		1/4		1/4		1/4	
1/2	1,547.13	1/2	1,179.73	1/2	814.38	1/2	448.64	1/2	119.44	1/2		1/2		1/2		1/2		1/2	
3/4	1,539.47	3/4	1,172.07	3/4	806.78	3/4	441.22	3/4	113.11	3/4		3/4		3/4		3/4		3/4	
11	1,531.82	11	1,164.43	11	799.15	11	433.88	11	106.88	11		11		11		11		11	
1/4	1,524.16	1/4	1,156.79	1/4	791.52	1/4	426.55	1/4	100.66	1/4		1/4		1/4		1/4		1/4	
1/2	1,516.51	1/2	1,149.15	1/2	783.90	1/2	419.21	1/2	94.43	1/2		1/2		1/2		1/2		1/2	
3/4	1,508.86	3/4	1,141.51	3/4	776.27	3/4	411.87	3/4	88.20	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/09/2013 CL - SW
CALCULATED: 09/10/2013 CL
PRINTED: 09/10/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

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

BARGE "CTCo 315"

1 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,776.89	0	4,437.21	0	4,076.65	0	3,709.91	0	3,343.18	0	2,976.44	0	2,609.51	0	2,242.58
1/4		1/4		1/4	4,770.04	1/4	4,429.89	1/4	4,069.01	1/4	3,702.27	1/4	3,335.54	1/4	2,968.79	1/4	2,601.86	1/4	2,234.94
1/2		1/2	5,098.71	1/2	4,763.19	1/2	4,422.57	1/2	4,061.37	1/2	3,694.63	1/2	3,327.90	1/2	2,961.15	1/2	2,594.22	1/2	2,227.29
3/4		3/4	5,092.66	3/4	4,756.34	3/4	4,415.25	3/4	4,053.73	3/4	3,686.99	3/4	3,320.26	3/4	2,953.50	3/4	2,586.58	3/4	2,219.65
1		1	5,086.61	1	4,749.49	1	4,407.92	1	4,046.09	1	3,679.35	1	3,312.62	1	2,945.86	1	2,578.93	1	2,212.01
1/4		1/4	5,079.41	1/4	4,742.58	1/4	4,400.56	1/4	4,038.44	1/4	3,671.71	1/4	3,304.98	1/4	2,938.21	1/4	2,571.29	1/4	2,204.36
1/2		1/2	5,072.21	1/2	4,735.68	1/2	4,393.19	1/2	4,030.80	1/2	3,664.07	1/2	3,297.34	1/2	2,930.57	1/2	2,563.64	1/2	2,196.72
3/4		3/4	5,065.01	3/4	4,728.78	3/4	4,385.82	3/4	4,023.16	3/4	3,656.43	3/4	3,289.70	3/4	2,922.92	3/4	2,556.00	3/4	2,189.07
2		2	5,057.81	2	4,721.87	2	4,378.46	2	4,015.52	2	3,648.79	2	3,282.06	2	2,915.28	2	2,548.35	2	2,181.43
1/4		1/4	5,050.23	1/4	4,714.91	1/4	4,371.06	1/4	4,007.88	1/4	3,641.15	1/4	3,274.41	1/4	2,907.64	1/4	2,540.71	1/4	2,173.78
1/2		1/2	5,042.64	1/2	4,707.96	1/2	4,363.66	1/2	4,000.24	1/2	3,633.51	1/2	3,266.77	1/2	2,899.99	1/2	2,533.07	1/2	2,166.14
3/4		3/4	5,035.06	3/4	4,701.00	3/4	4,356.26	3/4	3,992.60	3/4	3,625.87	3/4	3,259.13	3/4	2,892.35	3/4	2,525.42	3/4	2,158.50
3		3	5,027.48	3	4,694.04	3	4,348.86	3	3,984.96	3	3,618.23	3	3,251.49	3	2,884.70	3	2,517.78	3	2,150.85
1/4		1/4	5,019.89	1/4	4,687.05	1/4	4,341.42	1/4	3,977.32	1/4	3,610.59	1/4	3,243.85	1/4	2,877.06	1/4	2,510.13	1/4	2,143.21
1/2		1/2	5,012.31	1/2	4,680.05	1/2	4,333.99	1/2	3,969.68	1/2	3,602.95	1/2	3,236.21	1/2	2,869.41	1/2	2,502.49	1/2	2,135.56
3/4		3/4	5,004.73	3/4	4,673.06	3/4	4,326.55	3/4	3,962.04	3/4	3,595.31	3/4	3,228.57	3/4	2,861.77	3/4	2,494.84	3/4	2,127.92
4		4	4,997.15	4	4,666.06	4	4,319.12	4	3,954.40	4	3,587.67	4	3,220.93	4	2,854.13	4	2,487.20	4	2,120.27
1/4		1/4	4,989.56	1/4	4,659.03	1/4	4,311.65	1/4	3,946.76	1/4	3,580.03	1/4	3,213.29	1/4	2,846.48	1/4	2,479.56	1/4	2,112.63
1/2		1/2	4,981.98	1/2	4,652.00	1/2	4,304.19	1/2	3,939.12	1/2	3,572.39	1/2	3,205.65	1/2	2,838.84	1/2	2,471.91	1/2	2,104.98
3/4		3/4	4,974.40	3/4	4,644.96	3/4	4,296.72	3/4	3,931.48	3/4	3,564.75	3/4	3,198.01	3/4	2,831.19	3/4	2,464.27	3/4	2,097.34
5		5	4,966.82	5	4,637.93	5	4,289.25	5	3,923.84	5	3,557.11	5	3,190.37	5	2,823.55	5	2,456.62	5	2,089.70
1/4		1/4	4,959.71	1/4	4,630.86	1/4	4,281.75	1/4	3,916.20	1/4	3,549.47	1/4	3,182.73	1/4	2,815.90	1/4	2,448.98	1/4	2,082.05
1/2		1/2	4,952.61	1/2	4,623.80	1/2	4,274.24	1/2	3,908.56	1/2	3,541.83	1/2	3,175.09	1/2	2,808.26	1/2	2,441.33	1/2	2,074.41
3/4		3/4	4,945.50	3/4	4,616.73	3/4	4,266.73	3/4	3,900.92	3/4	3,534.18	3/4	3,167.45	3/4	2,800.62	3/4	2,433.69	3/4	2,066.76
6		6	4,938.40	6	4,609.66	6	4,259.23	6	3,893.28	6	3,526.54	6	3,159.81	6	2,792.97	6	2,426.05	6	2,059.12
1/4		1/4	4,931.75	1/4	4,602.56	1/4	4,251.68	1/4	3,885.64	1/4	3,518.90	1/4	3,152.17	1/4	2,785.33	1/4	2,418.40	1/4	2,051.47
1/2		1/2	4,925.11	1/2	4,595.46	1/2	4,244.14	1/2	3,878.00	1/2	3,511.26	1/2	3,144.53	1/2	2,777.68	1/2	2,410.76	1/2	2,043.83
3/4		3/4	4,918.47	3/4	4,588.36	3/4	4,236.60	3/4	3,870.36	3/4	3,503.62	3/4	3,136.89	3/4	2,770.04	3/4	2,403.11	3/4	2,036.19
7		7	4,911.82	7	4,581.26	7	4,229.05	7	3,862.72	7	3,495.98	7	3,129.25	7	2,762.39	7	2,395.47	7	2,028.54
1/4		1/4	4,905.15	1/4	4,574.13	1/4	4,221.48	1/4	3,855.08	1/4	3,488.34	1/4	3,121.61	1/4	2,754.75	1/4	2,387.82	1/4	2,020.90
1/2		1/2	4,898.47	1/2	4,566.99	1/2	4,213.90	1/2	3,847.44	1/2	3,480.70	1/2	3,113.97	1/2	2,747.11	1/2	2,380.18	1/2	2,013.25
3/4		3/4	4,891.80	3/4	4,559.86	3/4	4,206.32	3/4	3,839.80	3/4	3,473.06	3/4	3,106.33	3/4	2,739.46	3/4	2,372.54	3/4	2,005.61
8		8	4,885.12	8	4,552.73	8	4,198.74	8	3,832.16	8	3,465.42	8	3,098.69	8	2,731.82	8	2,364.89	8	1,997.96
1/4		1/4	4,878.41	1/4	4,545.56	1/4	4,191.13	1/4	3,824.52	1/4	3,457.78	1/4	3,091.05	1/4	2,724.17	1/4	2,357.25	1/4	1,990.32
1/2		1/2	4,871.70	1/2	4,538.39	1/2	4,183.52	1/2	3,816.88	1/2	3,450.14	1/2	3,083.41	1/2	2,716.53	1/2	2,349.60	1/2	1,982.68
3/4		3/4	4,864.99	3/4	4,531.22	3/4	4,175.91	3/4	3,809.24	3/4	3,442.50	3/4	3,075.77	3/4	2,708.88	3/4	2,341.96	3/4	1,975.03
9		9	4,858.28	9	4,524.05	9	4,168.30	9	3,801.60	9	3,434.86	9	3,068.13	9	2,701.24	9	2,334.31	9	1,967.39
1/4		1/4	4,851.53	1/4	4,516.85	1/4	4,160.67	1/4	3,793.96	1/4	3,427.22	1/4	3,060.49	1/4	2,693.60	1/4	2,326.67	1/4	1,959.74
1/2		1/2	4,844.78	1/2	4,509.65	1/2	4,153.03	1/2	3,786.31	1/2	3,419.58	1/2	3,052.85	1/2	2,685.95	1/2	2,319.03	1/2	1,952.10
3/4		3/4	4,838.03	3/4	4,502.45	3/4	4,145.40	3/4	3,778.67	3/4	3,411.94	3/4	3,045.21	3/4	2,678.31	3/4	2,311.38	3/4	1,944.45
10		10	4,831.28	10	4,495.25	10	4,137.77	10	3,771.03	10	3,404.30	10	3,037.57	10	2,670.66	10	2,303.74	10	1,936.81
1/4		1/4	4,824.50	1/4	4,488.01	1/4	4,130.13	1/4	3,763.39	1/4	3,396.66	1/4	3,029.93	1/4	2,663.02	1/4	2,296.09	1/4	1,929.17
1/2		1/2	4,817.72	1/2	4,480.78	1/2	4,122.49	1/2	3,755.75	1/2	3,389.02	1/2	3,022.28	1/2	2,655.37	1/2	2,288.45	1/2	1,921.52
3/4		3/4	4,810.93	3/4	4,473.54	3/4	4,114.85	3/4	3,748.11	3/4	3,381.38	3/4	3,014.64	3/4	2,647.73	3/4	2,280.80	3/4	1,913.88
11		11	4,804.15	11	4,466.31	11	4,107.21	11	3,740.47	11	3,373.74	11	3,007.00	11	2,640.09	11	2,273.16	11	1,906.23
1/4		1/4	4,797.34	1/4	4,459.03	1/4	4,099.57	1/4	3,732.83	1/4	3,366.10	1/4	2,999.36	1/4	2,632.44	1/4	2,265.52	1/4	1,898.59
1/2		1/2	4,790.52	1/2	4,451.76	1/2	4,091.93	1/2	3,725.19	1/2	3,358.46	1/2	2,991.72	1/2	2,624.80	1/2	2,257.87	1/2	1,890.94
3/4		3/4	4,783.70	3/4	4,444.49	3/4	4,084.29	3/4	3,717.55	3/4	3,350.82	3/4	2,984.08	3/4	2,617.15	3/4	2,250.23	3/4	1,883.30

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 AT 2" DIAMETER OPENING ON "HERMETIC" CLOSED GAUGING VALVE.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

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

BARGE "CTCo 315"

1 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03"

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	1,875.66	0	1,508.73	0	1,141.80	0	775.37	0	411.51	0	88.22	0		0		0		0	
1/4	1,868.01	1/4	1,501.09	1/4	1,134.16	1/4	767.73	1/4	404.28	1/4	82.10	1/4		1/4		1/4		1/4	
1/2	1,860.37	1/2	1,493.44	1/2	1,126.51	1/2	760.09	1/2	397.04	1/2	75.98	1/2		1/2		1/2		1/2	
3/4	1,852.72	3/4	1,485.80	3/4	1,118.87	3/4	752.44	3/4	389.81	3/4	69.86	3/4		3/4		3/4		3/4	
1	1,845.08	1	1,478.15	1	1,111.23	1	744.80	1	382.57	1	63.74	1		1		1		1	
1/4	1,837.43	1/4	1,470.51	1/4	1,103.58	1/4	737.15	1/4	375.43	1/4	58.18	1/4		1/4		1/4		1/4	
1/2	1,829.79	1/2	1,462.86	1/2	1,095.94	1/2	729.51	1/2	368.28	1/2	52.62	1/2		1/2		1/2		1/2	
3/4	1,822.15	3/4	1,455.22	3/4	1,088.30	3/4	721.86	3/4	361.14	3/4	47.06	3/4		3/4		3/4		3/4	
2	1,814.50	2	1,447.58	2	1,080.66	2	714.22	2	353.99	2	41.51	2		2		2		2	
1/4	1,806.86	1/4	1,439.93	1/4	1,073.02	1/4	706.58	1/4	346.94	1/4	37.01	1/4		1/4		1/4		1/4	
1/2	1,799.21	1/2	1,432.29	1/2	1,065.39	1/2	698.93	1/2	339.89	1/2	32.52	1/2		1/2		1/2		1/2	
3/4	1,791.57	3/4	1,424.64	3/4	1,057.75	3/4	691.29	3/4	332.83	3/4	28.02	3/4		3/4		3/4		3/4	
3	1,783.92	3	1,417.00	3	1,050.11	3	683.64	3	325.78	3	23.53	3		3		3		3	
1/4	1,776.28	1/4	1,409.35	1/4	1,042.48	1/4	676.00	1/4	318.82	1/4		1/4		1/4		1/4		1/4	
1/2	1,768.64	1/2	1,401.71	1/2	1,034.84	1/2	668.36	1/2	311.85	1/2		1/2		1/2		1/2		1/2	
3/4	1,760.99	3/4	1,394.07	3/4	1,027.21	3/4	660.71	3/4	304.89	3/4		3/4		3/4		3/4		3/4	
4	1,753.35	4	1,386.42	4	1,019.57	4	653.07	4	297.93	4		4		4		4		4	
1/4	1,745.70	1/4	1,378.78	1/4	1,011.94	1/4	645.42	1/4	291.06	1/4		1/4		1/4		1/4		1/4	
1/2	1,738.06	1/2	1,371.13	1/2	1,004.31	1/2	637.78	1/2	284.18	1/2		1/2		1/2		1/2		1/2	
3/4	1,730.41	3/4	1,363.49	3/4	996.68	3/4	630.14	3/4	277.31	3/4		3/4		3/4		3/4		3/4	
5	1,722.77	5	1,355.84	5	989.05	5	622.49	5	270.44	5		5		5		5		5	
1/4	1,715.13	1/4	1,348.20	1/4	981.42	1/4	614.85	1/4	263.66	1/4		1/4		1/4		1/4		1/4	
1/2	1,707.48	1/2	1,340.55	1/2	973.79	1/2	607.20	1/2	256.88	1/2		1/2		1/2		1/2		1/2	
3/4	1,699.84	3/4	1,332.91	3/4	966.16	3/4	599.56	3/4	250.10	3/4		3/4		3/4		3/4		3/4	
6	1,692.19	6	1,325.27	6	958.53	6	591.92	6	243.31	6		6		6		6		6	
1/4	1,684.55	1/4	1,317.62	1/4	950.90	1/4	584.27	1/4	236.62	1/4		1/4		1/4		1/4		1/4	
1/2	1,676.90	1/2	1,309.98	1/2	943.27	1/2	576.63	1/2	229.93	1/2		1/2		1/2		1/2		1/2	
3/4	1,669.26	3/4	1,302.33	3/4	935.64	3/4	568.99	3/4	223.24	3/4		3/4		3/4		3/4		3/4	
7	1,661.62	7	1,294.69	7	928.01	7	561.35	7	216.55	7		7		7		7		7	
1/4	1,653.97	1/4	1,287.04	1/4	920.38	1/4	553.73	1/4	209.95	1/4		1/4		1/4		1/4		1/4	
1/2	1,646.33	1/2	1,279.40	1/2	912.75	1/2	546.10	1/2	203.35	1/2		1/2		1/2		1/2		1/2	
3/4	1,638.68	3/4	1,271.76	3/4	905.12	3/4	538.48	3/4	196.75	3/4		3/4		3/4		3/4		3/4	
8	1,631.04	8	1,264.11	8	897.49	8	530.85	8	190.15	8		8		8		8		8	
1/4	1,623.39	1/4	1,256.47	1/4	889.86	1/4	523.27	1/4	183.65	1/4		1/4		1/4		1/4		1/4	
1/2	1,615.75	1/2	1,248.82	1/2	882.23	1/2	515.69	1/2	177.14	1/2		1/2		1/2		1/2		1/2	
3/4	1,608.11	3/4	1,241.18	3/4	874.60	3/4	508.10	3/4	170.63	3/4		3/4		3/4		3/4		3/4	
9	1,600.46	9	1,233.53	9	866.97	9	500.52	9	164.12	9		9		9		9		9	
1/4	1,592.82	1/4	1,225.89	1/4	859.33	1/4	493.01	1/4	157.70	1/4		1/4		1/4		1/4		1/4	
1/2	1,585.17	1/2	1,218.25	1/2	851.70	1/2	485.50	1/2	151.28	1/2		1/2		1/2		1/2		1/2	
3/4	1,577.53	3/4	1,210.60	3/4	844.07	3/4	478.00	3/4	144.87	3/4		3/4		3/4		3/4		3/4	
10	1,569.88	10	1,202.96	10	836.44	10	470.49	10	138.45	10		10		10		10		10	
1/4	1,562.24	1/4	1,195.31	1/4	828.81	1/4	463.07	1/4	132.12	1/4		1/4		1/4		1/4		1/4	
1/2	1,554.60	1/2	1,187.67	1/2	821.18	1/2	455.65	1/2	125.80	1/2		1/2		1/2		1/2		1/2	
3/4	1,546.95	3/4	1,180.02	3/4	813.55	3/4	448.24	3/4	119.47	3/4		3/4		3/4		3/4		3/4	
11	1,539.31	11	1,172.38	11	805.92	11	440.82	11	113.14	11		11		11		11		11	
1/4	1,531.66	1/4	1,164.74	1/4	798.28	1/4	433.49	1/4	106.91	1/4		1/4		1/4		1/4		1/4	
1/2	1,524.02	1/2	1,157.09	1/2	790.65	1/2	426.17	1/2	100.68	1/2		1/2		1/2		1/2		1/2	
3/4	1,516.37	3/4	1,149.45	3/4	783.01	3/4	418.84	3/4	94.45	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/09/2013 CL - SW
CALCULATED: 09/10/2013 CL
PRINTED: 09/10/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

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

BARGE "CTCo 315"

2 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,539.61	0	4,220.29	0	3,881.25	0	3,536.40	0	3,191.56	0	2,846.72	0	2,501.68	0	2,156.64
1/4		1/4		1/4	4,533.18	1/4	4,213.41	1/4	3,874.07	1/4	3,529.22	1/4	3,184.37	1/4	2,839.54	1/4	2,494.49	1/4	2,149.45
1/2		1/2	4,842.07	1/2	4,526.74	1/2	4,206.53	1/2	3,866.88	1/2	3,522.03	1/2	3,177.19	1/2	2,832.35	1/2	2,487.30	1/2	2,142.26
3/4		3/4	4,836.38	3/4	4,520.30	3/4	4,199.64	3/4	3,859.70	3/4	3,514.85	3/4	3,170.00	3/4	2,825.16	3/4	2,480.12	3/4	2,135.07
1		1	4,830.69	1	4,513.86	1	4,192.76	1	3,852.51	1	3,507.67	1	3,162.82	1	2,817.97	1	2,472.93	1	2,127.88
1/4		1/4	4,823.93	1/4	4,507.38	1/4	4,185.83	1/4	3,845.33	1/4	3,500.48	1/4	3,155.64	1/4	2,810.78	1/4	2,465.74	1/4	2,120.70
1/2		1/2	4,817.16	1/2	4,500.89	1/2	4,178.90	1/2	3,838.14	1/2	3,493.30	1/2	3,148.45	1/2	2,803.59	1/2	2,458.55	1/2	2,113.51
3/4		3/4	4,810.39	3/4	4,494.40	3/4	4,171.98	3/4	3,830.96	3/4	3,486.11	3/4	3,141.27	3/4	2,796.40	3/4	2,451.36	3/4	2,106.32
2		2	4,803.62	2	4,487.91	2	4,165.05	2	3,823.78	2	3,478.93	2	3,134.08	2	2,789.22	2	2,444.17	2	2,099.13
1/4		1/4	4,796.50	1/4	4,481.37	1/4	4,158.09	1/4	3,816.59	1/4	3,471.74	1/4	3,126.90	1/4	2,782.03	1/4	2,436.98	1/4	2,091.94
1/2		1/2	4,789.37	1/2	4,474.83	1/2	4,151.13	1/2	3,809.41	1/2	3,464.56	1/2	3,119.71	1/2	2,774.84	1/2	2,429.80	1/2	2,084.75
3/4		3/4	4,782.24	3/4	4,468.29	3/4	4,144.17	3/4	3,802.22	3/4	3,457.38	3/4	3,112.53	3/4	2,767.65	3/4	2,422.61	3/4	2,077.56
3		3	4,775.12	3	4,461.75	3	4,137.21	3	3,795.04	3	3,450.19	3	3,105.35	3	2,760.46	3	2,415.42	3	2,070.38
1/4		1/4	4,767.99	1/4	4,455.17	1/4	4,130.22	1/4	3,787.85	1/4	3,443.01	1/4	3,098.16	1/4	2,753.27	1/4	2,408.23	1/4	2,063.19
1/2		1/2	4,760.86	1/2	4,448.59	1/2	4,123.23	1/2	3,780.67	1/2	3,435.82	1/2	3,090.98	1/2	2,746.09	1/2	2,401.04	1/2	2,056.00
3/4		3/4	4,753.74	3/4	4,442.02	3/4	4,116.24	3/4	3,773.49	3/4	3,428.64	3/4	3,083.79	3/4	2,738.90	3/4	2,393.85	3/4	2,048.81
4		4	4,746.61	4	4,435.44	4	4,109.25	4	3,766.30	4	3,421.45	4	3,076.61	4	2,731.71	4	2,386.67	4	2,041.62
1/4		1/4	4,739.48	1/4	4,428.83	1/4	4,102.23	1/4	3,759.12	1/4	3,414.27	1/4	3,069.42	1/4	2,724.52	1/4	2,379.48	1/4	2,034.43
1/2		1/2	4,732.35	1/2	4,422.22	1/2	4,095.21	1/2	3,751.93	1/2	3,407.09	1/2	3,062.24	1/2	2,717.33	1/2	2,372.29	1/2	2,027.25
3/4		3/4	4,725.23	3/4	4,415.61	3/4	4,088.19	3/4	3,744.75	3/4	3,399.90	3/4	3,055.06	3/4	2,710.14	3/4	2,365.10	3/4	2,020.06
5		5	4,718.10	5	4,408.99	5	4,081.17	5	3,737.56	5	3,392.72	5	3,047.87	5	2,702.96	5	2,357.91	5	2,012.87
1/4		1/4	4,711.42	1/4	4,402.35	1/4	4,074.11	1/4	3,730.38	1/4	3,385.53	1/4	3,040.69	1/4	2,695.77	1/4	2,350.72	1/4	2,005.68
1/2		1/2	4,704.75	1/2	4,395.71	1/2	4,067.05	1/2	3,723.20	1/2	3,378.35	1/2	3,033.50	1/2	2,688.58	1/2	2,343.54	1/2	1,998.49
3/4		3/4	4,698.07	3/4	4,389.06	3/4	4,059.99	3/4	3,716.01	3/4	3,371.16	3/4	3,026.32	3/4	2,681.39	3/4	2,336.35	3/4	1,991.30
6		6	4,691.39	6	4,382.42	6	4,052.94	6	3,708.83	6	3,363.98	6	3,019.13	6	2,674.20	6	2,329.16	6	1,984.12
1/4		1/4	4,685.15	1/4	4,375.74	1/4	4,045.84	1/4	3,701.64	1/4	3,356.80	1/4	3,011.95	1/4	2,667.01	1/4	2,321.97	1/4	1,976.93
1/2		1/2	4,678.91	1/2	4,369.07	1/2	4,038.75	1/2	3,694.46	1/2	3,349.61	1/2	3,004.77	1/2	2,659.83	1/2	2,314.78	1/2	1,969.74
3/4		3/4	4,672.66	3/4	4,362.39	3/4	4,031.66	3/4	3,687.27	3/4	3,342.43	3/4	2,997.58	3/4	2,652.64	3/4	2,307.59	3/4	1,962.55
7		7	4,666.42	7	4,355.72	7	4,024.56	7	3,680.09	7	3,335.24	7	2,990.40	7	2,645.45	7	2,300.41	7	1,955.36
1/4		1/4	4,660.15	1/4	4,349.01	1/4	4,017.44	1/4	3,672.91	1/4	3,328.06	1/4	2,983.21	1/4	2,638.26	1/4	2,293.22	1/4	1,948.17
1/2		1/2	4,653.87	1/2	4,342.30	1/2	4,010.31	1/2	3,665.72	1/2	3,320.87	1/2	2,976.03	1/2	2,631.07	1/2	2,286.03	1/2	1,940.99
3/4		3/4	4,647.60	3/4	4,335.60	3/4	4,003.19	3/4	3,658.54	3/4	3,313.69	3/4	2,968.84	3/4	2,623.88	3/4	2,278.84	3/4	1,933.80
8		8	4,641.33	8	4,328.89	8	3,996.06	8	3,651.35	8	3,306.51	8	2,961.66	8	2,616.69	8	2,271.65	8	1,926.61
1/4		1/4	4,635.02	1/4	4,322.15	1/4	3,988.91	1/4	3,644.17	1/4	3,299.32	1/4	2,954.48	1/4	2,609.51	1/4	2,264.46	1/4	1,919.42
1/2		1/2	4,628.72	1/2	4,315.41	1/2	3,981.75	1/2	3,636.98	1/2	3,292.14	1/2	2,947.29	1/2	2,602.32	1/2	2,257.27	1/2	1,912.23
3/4		3/4	4,622.41	3/4	4,308.67	3/4	3,974.59	3/4	3,629.80	3/4	3,284.95	3/4	2,940.11	3/4	2,595.13	3/4	2,250.09	3/4	1,905.04
9		9	4,616.10	9	4,301.94	9	3,967.44	9	3,622.62	9	3,277.77	9	2,932.92	9	2,587.94	9	2,242.90	9	1,897.85
1/4		1/4	4,609.76	1/4	4,295.17	1/4	3,960.26	1/4	3,615.43	1/4	3,270.58	1/4	2,925.74	1/4	2,580.75	1/4	2,235.71	1/4	1,890.67
1/2		1/2	4,603.42	1/2	4,288.40	1/2	3,953.08	1/2	3,608.25	1/2	3,263.40	1/2	2,918.55	1/2	2,573.56	1/2	2,228.52	1/2	1,883.48
3/4		3/4	4,597.07	3/4	4,281.63	3/4	3,945.90	3/4	3,601.06	3/4	3,256.22	3/4	2,911.37	3/4	2,566.38	3/4	2,221.33	3/4	1,876.29
10		10	4,590.73	10	4,274.85	10	3,938.72	10	3,593.88	10	3,249.03	10	2,904.19	10	2,559.19	10	2,214.14	10	1,869.10
1/4		1/4	4,584.36	1/4	4,268.05	1/4	3,931.54	1/4	3,586.69	1/4	3,241.85	1/4	2,897.00	1/4	2,552.00	1/4	2,206.96	1/4	1,861.91
1/2		1/2	4,577.98	1/2	4,261.25	1/2	3,924.36	1/2	3,579.51	1/2	3,234.66	1/2	2,889.82	1/2	2,544.81	1/2	2,199.77	1/2	1,854.72
3/4		3/4	4,571.61	3/4	4,254.45	3/4	3,917.17	3/4	3,572.33	3/4	3,227.48	3/4	2,882.63	3/4	2,537.62	3/4	2,192.58	3/4	1,847.54
11		11	4,565.24	11	4,247.65	11	3,909.99	11	3,565.14	11	3,220.29	11	2,875.45	11	2,530.43	11	2,185.39	11	1,840.35
1/4		1/4	4,558.83	1/4	4,240.81	1/4	3,902.80	1/4	3,557.96	1/4	3,213.11	1/4	2,868.27	1/4	2,523.25	1/4	2,178.20	1/4	1,833.16
1/2		1/2	4,552.42	1/2	4,233.97	1/2	3,895.62	1/2	3,550.77	1/2	3,205.93	1/2	2,861.09	1/2	2,516.06	1/2	2,171.01	1/2	1,825.97
3/4		3/4	4,546.02	3/4	4,227.13	3/4	3,888.43	3/4	3,543.59	3/4	3,198.74	3/4	2,853.90	3/4	2,508.87	3/4	2,163.83	3/4	1,818.78

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 AT 2" DIAMETER OPENING ON "HERMETIC" CLOSED GAUGING VALVE.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD.

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

BARGE "CTCo 315"

2 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03"

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	1,811.59	0	1,466.55	0	1,122.08	0	790.87	0	445.84	0	100.83	0		0		0		0	
1/4	1,804.41	1/4	1,459.36	1/4	1,115.17	1/4	783.68	1/4	438.65	1/4	93.67	1/4		1/4		1/4		1/4	
1/2	1,797.22	1/2	1,452.17	1/2	1,108.27	1/2	776.49	1/2	431.46	1/2	86.50	1/2		1/2		1/2		1/2	
3/4	1,790.03	3/4	1,444.99	3/4	1,101.36	3/4	769.30	3/4	424.27	3/4	79.34	3/4		3/4		3/4		3/4	
1	1,782.84	1	1,437.80	1	1,094.46	1	762.11	1	417.08	1	72.17	1		1		1		1	
1/4	1,775.65	1/4	1,430.61	1/4	1,087.56	1/4	754.93	1/4	409.90	1/4	65.45	1/4		1/4		1/4		1/4	
1/2	1,768.46	1/2	1,423.42	1/2	1,080.66	1/2	747.74	1/2	402.71	1/2	58.73	1/2		1/2		1/2		1/2	
3/4	1,761.28	3/4	1,416.23	3/4	1,073.76	3/4	740.55	3/4	395.52	3/4	52.01	3/4		3/4		3/4		3/4	
2	1,754.09	2	1,409.04	2	1,066.86	2	733.36	2	388.33	2	45.29	2		2		2		2	
1/4	1,746.90	1/4	1,401.86	1/4	1,059.97	1/4	726.17	1/4	381.14	1/4	39.90	1/4		1/4		1/4		1/4	
1/2	1,739.71	1/2	1,394.67	1/2	1,053.08	1/2	718.98	1/2	373.96	1/2	34.51	1/2		1/2		1/2		1/2	
3/4	1,732.52	3/4	1,387.48	3/4	1,046.19	3/4	711.80	3/4	366.77	3/4	29.12	3/4		3/4		3/4		3/4	
3	1,725.33	3	1,380.29	3	1,039.30	3	704.61	3	359.58	3	23.73	3		3		3		3	
1/4	1,718.14	1/4	1,373.10	1/4	1,032.41	1/4	697.42	1/4	352.39	1/4		1/4		1/4		1/4		1/4	
1/2	1,710.96	1/2	1,365.91	1/2	1,025.53	1/2	690.23	1/2	345.20	1/2		1/2		1/2		1/2		1/2	
3/4	1,703.77	3/4	1,358.72	3/4	1,018.64	3/4	683.04	3/4	338.02	3/4		3/4		3/4		3/4		3/4	
4	1,696.58	4	1,351.54	4	1,011.75	4	675.86	4	330.83	4		4		4		4		4	
1/4	1,689.39	1/4	1,344.35	1/4	1,004.87	1/4	668.67	1/4	323.64	1/4		1/4		1/4		1/4		1/4	
1/2	1,682.20	1/2	1,337.16	1/2	997.98	1/2	661.48	1/2	316.45	1/2		1/2		1/2		1/2		1/2	
3/4	1,675.01	3/4	1,329.97	3/4	991.10	3/4	654.29	3/4	309.26	3/4		3/4		3/4		3/4		3/4	
5	1,667.83	5	1,322.78	5	984.22	5	647.10	5	302.08	5		5		5		5		5	
1/4	1,660.64	1/4	1,315.59	1/4	977.33	1/4	639.92	1/4	294.89	1/4		1/4		1/4		1/4		1/4	
1/2	1,653.45	1/2	1,308.41	1/2	970.45	1/2	632.73	1/2	287.70	1/2		1/2		1/2		1/2		1/2	
3/4	1,646.26	3/4	1,301.22	3/4	963.57	3/4	625.54	3/4	280.51	3/4		3/4		3/4		3/4		3/4	
6	1,639.07	6	1,294.03	6	956.68	6	618.35	6	273.32	6		6		6		6		6	
1/4	1,631.88	1/4	1,286.84	1/4	949.80	1/4	611.16	1/4	266.13	1/4		1/4		1/4		1/4		1/4	
1/2	1,624.70	1/2	1,279.65	1/2	942.91	1/2	603.98	1/2	258.95	1/2		1/2		1/2		1/2		1/2	
3/4	1,617.51	3/4	1,272.46	3/4	936.03	3/4	596.79	3/4	251.76	3/4		3/4		3/4		3/4		3/4	
7	1,610.32	7	1,265.28	7	929.15	7	589.60	7	244.57	7		7		7		7		7	
1/4	1,603.13	1/4	1,258.09	1/4	922.26	1/4	582.41	1/4	237.38	1/4		1/4		1/4		1/4		1/4	
1/2	1,595.94	1/2	1,250.90	1/2	915.38	1/2	575.22	1/2	230.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,588.75	3/4	1,243.71	3/4	908.50	3/4	568.03	3/4	223.01	3/4		3/4		3/4		3/4		3/4	
8	1,581.57	8	1,236.52	8	901.61	8	560.85	8	215.82	8		8		8		8		8	
1/4	1,574.38	1/4	1,229.33	1/4	894.73	1/4	553.66	1/4	208.63	1/4		1/4		1/4		1/4		1/4	
1/2	1,567.19	1/2	1,222.15	1/2	887.84	1/2	546.47	1/2	201.44	1/2		1/2		1/2		1/2		1/2	
3/4	1,560.00	3/4	1,214.96	3/4	880.96	3/4	539.28	3/4	194.25	3/4		3/4		3/4		3/4		3/4	
9	1,552.81	9	1,207.77	9	874.08	9	532.09	9	187.07	9		9		9		9		9	
1/4	1,545.62	1/4	1,200.58	1/4	867.19	1/4	524.91	1/4	179.88	1/4		1/4		1/4		1/4		1/4	
1/2	1,538.43	1/2	1,193.39	1/2	860.31	1/2	517.72	1/2	172.69	1/2		1/2		1/2		1/2		1/2	
3/4	1,531.25	3/4	1,186.20	3/4	853.43	3/4	510.53	3/4	165.50	3/4		3/4		3/4		3/4		3/4	
10	1,524.06	10	1,179.01	10	846.54	10	503.34	10	158.31	10		10		10		10		10	
1/4	1,516.87	1/4	1,171.83	1/4	839.66	1/4	496.15	1/4	151.13	1/4		1/4		1/4		1/4		1/4	
1/2	1,509.68	1/2	1,164.64	1/2	832.78	1/2	488.97	1/2	143.94	1/2		1/2		1/2		1/2		1/2	
3/4	1,502.49	3/4	1,157.45	3/4	825.89	3/4	481.78	3/4	136.75	3/4		3/4		3/4		3/4		3/4	
11	1,495.30	11	1,150.26	11	819.01	11	474.59	11	129.56	11		11		11		11		11	
1/4	1,488.12	1/4	1,143.21	1/4	811.97	1/4	467.40	1/4	122.38	1/4		1/4		1/4		1/4		1/4	
1/2	1,480.93	1/2	1,136.17	1/2	804.94	1/2	460.21	1/2	115.20	1/2		1/2		1/2		1/2		1/2	
3/4	1,473.74	3/4	1,129.12	3/4	797.90	3/4	453.03	3/4	108.02	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/09/2013 CL - SW
CALCULATED: 09/10/2013 CL
PRINTED: 09/10/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

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

BARGE "CTCo 315"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,552.41	0	4,233.17	0	3,894.21	0	3,549.45	0	3,204.69	0	2,859.94	0	2,514.99	0	2,170.03
1/4		1/4		1/4	4,545.97	1/4	4,226.28	1/4	3,887.03	1/4	3,542.27	1/4	3,197.51	1/4	2,852.76	1/4	2,507.80	1/4	2,162.84
1/2		1/2	4,854.79	1/2	4,539.53	1/2	4,219.40	1/2	3,879.84	1/2	3,535.08	1/2	3,190.32	1/2	2,845.57	1/2	2,500.61	1/2	2,155.66
3/4		3/4	4,849.10	3/4	4,533.10	3/4	4,212.52	3/4	3,872.66	3/4	3,527.90	3/4	3,183.14	3/4	2,838.38	3/4	2,493.43	3/4	2,148.47
1		1	4,843.41	1	4,526.66	1	4,205.64	1	3,865.48	1	3,520.72	1	3,175.96	1	2,831.20	1	2,486.24	1	2,141.28
1/4		1/4	4,836.65	1/4	4,520.18	1/4	4,198.71	1/4	3,858.30	1/4	3,513.54	1/4	3,168.78	1/4	2,824.01	1/4	2,479.05	1/4	2,134.10
1/2		1/2	4,829.88	1/2	4,513.69	1/2	4,191.79	1/2	3,851.11	1/2	3,506.35	1/2	3,161.59	1/2	2,816.82	1/2	2,471.87	1/2	2,126.91
3/4		3/4	4,823.11	3/4	4,507.20	3/4	4,184.86	3/4	3,843.93	3/4	3,499.17	3/4	3,154.41	3/4	2,809.64	3/4	2,464.68	3/4	2,119.72
2		2	4,816.35	2	4,500.71	2	4,177.94	2	3,836.75	2	3,491.99	2	3,147.23	2	2,802.45	2	2,457.49	2	2,112.54
1/4		1/4	4,809.22	1/4	4,494.18	1/4	4,170.98	1/4	3,829.57	1/4	3,484.81	1/4	3,140.05	1/4	2,795.26	1/4	2,450.31	1/4	2,105.35
1/2		1/2	4,802.10	1/2	4,487.64	1/2	4,164.02	1/2	3,822.38	1/2	3,477.62	1/2	3,132.86	1/2	2,788.08	1/2	2,443.12	1/2	2,098.16
3/4		3/4	4,794.97	3/4	4,481.10	3/4	4,157.06	3/4	3,815.20	3/4	3,470.44	3/4	3,125.68	3/4	2,780.89	3/4	2,435.93	3/4	2,090.98
3		3	4,787.85	3	4,474.56	3	4,150.11	3	3,808.02	3	3,463.26	3	3,118.50	3	2,773.70	3	2,428.75	3	2,083.79
1/4		1/4	4,780.72	1/4	4,467.98	1/4	4,143.12	1/4	3,800.84	1/4	3,456.08	1/4	3,111.32	1/4	2,766.52	1/4	2,421.56	1/4	2,076.60
1/2		1/2	4,773.60	1/2	4,461.41	1/2	4,136.13	1/2	3,793.65	1/2	3,448.89	1/2	3,104.13	1/2	2,759.33	1/2	2,414.37	1/2	2,069.42
3/4		3/4	4,766.47	3/4	4,454.83	3/4	4,129.14	3/4	3,786.47	3/4	3,441.71	3/4	3,096.95	3/4	2,752.14	3/4	2,407.19	3/4	2,062.23
4		4	4,759.35	4	4,448.26	4	4,122.15	4	3,779.29	4	3,434.53	4	3,089.77	4	2,744.96	4	2,400.00	4	2,055.04
1/4		1/4	4,752.22	1/4	4,441.65	1/4	4,115.13	1/4	3,772.11	1/4	3,427.35	1/4	3,082.59	1/4	2,737.77	1/4	2,392.81	1/4	2,047.86
1/2		1/2	4,745.10	1/2	4,435.04	1/2	4,108.11	1/2	3,764.92	1/2	3,420.16	1/2	3,075.40	1/2	2,730.58	1/2	2,385.63	1/2	2,040.67
3/4		3/4	4,737.97	3/4	4,428.43	3/4	4,101.09	3/4	3,757.74	3/4	3,412.98	3/4	3,068.22	3/4	2,723.40	3/4	2,378.44	3/4	2,033.48
5		5	4,730.85	5	4,421.82	5	4,094.07	5	3,750.56	5	3,405.80	5	3,061.04	5	2,716.21	5	2,371.25	5	2,026.30
1/4		1/4	4,724.17	1/4	4,415.18	1/4	4,087.02	1/4	3,743.38	1/4	3,398.62	1/4	3,053.86	1/4	2,709.02	1/4	2,364.07	1/4	2,019.11
1/2		1/2	4,717.50	1/2	4,408.54	1/2	4,079.96	1/2	3,736.19	1/2	3,391.43	1/2	3,046.67	1/2	2,701.84	1/2	2,356.88	1/2	2,011.92
3/4		3/4	4,710.82	3/4	4,401.89	3/4	4,072.91	3/4	3,729.01	3/4	3,384.25	3/4	3,039.49	3/4	2,694.65	3/4	2,349.69	3/4	2,004.74
6		6	4,704.15	6	4,395.25	6	4,065.85	6	3,721.83	6	3,377.07	6	3,032.31	6	2,687.46	6	2,342.51	6	1,997.55
1/4		1/4	4,697.90	1/4	4,388.58	1/4	4,058.76	1/4	3,714.65	1/4	3,369.89	1/4	3,025.13	1/4	2,680.28	1/4	2,335.32	1/4	1,990.36
1/2		1/2	4,691.66	1/2	4,381.90	1/2	4,051.67	1/2	3,707.46	1/2	3,362.70	1/2	3,017.94	1/2	2,673.09	1/2	2,328.13	1/2	1,983.18
3/4		3/4	4,685.42	3/4	4,375.23	3/4	4,044.58	3/4	3,700.28	3/4	3,355.52	3/4	3,010.76	3/4	2,665.90	3/4	2,320.95	3/4	1,975.99
7		7	4,679.18	7	4,368.56	7	4,037.48	7	3,693.10	7	3,348.34	7	3,003.58	7	2,658.72	7	2,313.76	7	1,968.80
1/4		1/4	4,672.91	1/4	4,361.85	1/4	4,030.36	1/4	3,685.92	1/4	3,341.16	1/4	2,996.40	1/4	2,651.53	1/4	2,306.57	1/4	1,961.62
1/2		1/2	4,666.64	1/2	4,355.15	1/2	4,023.24	1/2	3,678.73	1/2	3,333.97	1/2	2,989.21	1/2	2,644.34	1/2	2,299.39	1/2	1,954.43
3/4		3/4	4,660.37	3/4	4,348.44	3/4	4,016.11	3/4	3,671.55	3/4	3,326.79	3/4	2,982.03	3/4	2,637.16	3/4	2,292.20	3/4	1,947.24
8		8	4,654.09	8	4,341.74	8	4,008.99	8	3,664.37	8	3,319.61	8	2,974.85	8	2,629.97	8	2,285.01	8	1,940.06
1/4		1/4	4,647.79	1/4	4,335.00	1/4	4,001.84	1/4	3,657.19	1/4	3,312.43	1/4	2,967.67	1/4	2,622.78	1/4	2,277.83	1/4	1,932.87
1/2		1/2	4,641.48	1/2	4,328.26	1/2	3,994.68	1/2	3,650.00	1/2	3,305.24	1/2	2,960.48	1/2	2,615.60	1/2	2,270.64	1/2	1,925.68
3/4		3/4	4,635.18	3/4	4,321.52	3/4	3,987.53	3/4	3,642.82	3/4	3,298.06	3/4	2,953.30	3/4	2,608.41	3/4	2,263.45	3/4	1,918.50
9		9	4,628.87	9	4,314.79	9	3,980.37	9	3,635.64	9	3,290.88	9	2,946.12	9	2,601.22	9	2,256.27	9	1,911.31
1/4		1/4	4,622.53	1/4	4,308.02	1/4	3,973.20	1/4	3,628.46	1/4	3,283.70	1/4	2,938.94	1/4	2,594.04	1/4	2,249.08	1/4	1,904.12
1/2		1/2	4,616.19	1/2	4,301.25	1/2	3,966.02	1/2	3,621.27	1/2	3,276.51	1/2	2,931.75	1/2	2,586.85	1/2	2,241.89	1/2	1,896.94
3/4		3/4	4,609.85	3/4	4,294.48	3/4	3,958.84	3/4	3,614.09	3/4	3,269.33	3/4	2,924.57	3/4	2,579.67	3/4	2,234.71	3/4	1,889.75
10		10	4,603.51	10	4,287.71	10	3,951.67	10	3,606.91	10	3,262.15	10	2,917.39	10	2,572.48	10	2,227.52	10	1,882.56
1/4		1/4	4,597.14	1/4	4,280.91	1/4	3,944.49	1/4	3,599.73	1/4	3,254.97	1/4	2,910.21	1/4	2,565.29	1/4	2,220.34	1/4	1,875.38
1/2		1/2	4,590.77	1/2	4,274.11	1/2	3,937.30	1/2	3,592.54	1/2	3,247.78	1/2	2,903.02	1/2	2,558.11	1/2	2,213.15	1/2	1,868.19
3/4		3/4	4,584.39	3/4	4,267.31	3/4	3,930.12	3/4	3,585.36	3/4	3,240.60	3/4	2,895.84	3/4	2,550.92	3/4	2,205.96	3/4	1,861.01
11		11	4,578.02	11	4,260.51	11	3,922.94	11	3,578.18	11	3,233.42	11	2,888.66	11	2,543.73	11	2,198.78	11	1,853.82
1/4		1/4	4,571.62	1/4	4,253.67	1/4	3,915.76	1/4	3,571.00	1/4	3,226.24	1/4	2,881.48	1/4	2,536.55	1/4	2,191.59	1/4	1,846.63
1/2		1/2	4,565.21	1/2	4,246.84	1/2	3,908.57	1/2	3,563.81	1/2	3,219.05	1/2	2,874.30	1/2	2,529.36	1/2	2,184.40	1/2	1,839.45
3/4		3/4	4,558.81	3/4	4,240.00	3/4	3,901.39	3/4	3,556.63	3/4	3,211.87	3/4	2,867.12	3/4	2,522.17	3/4	2,177.22	3/4	1,832.26

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 AT 2" DIAMETER OPENING ON "HERMETIC" CLOSED GAUGING VALVE.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD.

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

BARGE "CTCo 315"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03"

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	1,825.07	0	1,480.12	0	1,135.16	0	790.67	0	445.73	0	100.81	0		0		0		0	
1/4	1,817.89	1/4	1,472.93	1/4	1,127.97	1/4	783.48	1/4	438.54	1/4	93.65	1/4		1/4		1/4		1/4	
1/2	1,810.70	1/2	1,465.74	1/2	1,120.79	1/2	776.30	1/2	431.35	1/2	86.48	1/2		1/2		1/2		1/2	
3/4	1,803.51	3/4	1,458.56	3/4	1,113.60	3/4	769.11	3/4	424.17	3/4	79.32	3/4		3/4		3/4		3/4	
1	1,796.33	1	1,451.37	1	1,106.41	1	761.92	1	416.98	1	72.15	1		1		1		1	
1/4	1,789.14	1/4	1,444.18	1/4	1,099.23	1/4	754.74	1/4	409.79	1/4	65.43	1/4		1/4		1/4		1/4	
1/2	1,781.95	1/2	1,437.00	1/2	1,092.04	1/2	747.55	1/2	402.61	1/2	58.72	1/2		1/2		1/2		1/2	
3/4	1,774.77	3/4	1,429.81	3/4	1,084.86	3/4	740.36	3/4	395.42	3/4	52.00	3/4		3/4		3/4		3/4	
2	1,767.58	2	1,422.62	2	1,077.68	2	733.18	2	388.24	2	45.28	2		2		2		2	
1/4	1,760.39	1/4	1,415.44	1/4	1,070.50	1/4	725.99	1/4	381.05	1/4	39.89	1/4		1/4		1/4		1/4	
1/2	1,753.21	1/2	1,408.25	1/2	1,063.32	1/2	718.81	1/2	373.86	1/2	34.50	1/2		1/2		1/2		1/2	
3/4	1,746.02	3/4	1,401.06	3/4	1,056.13	3/4	711.62	3/4	366.68	3/4	29.11	3/4		3/4		3/4		3/4	
3	1,738.83	3	1,393.88	3	1,048.95	3	704.43	3	359.49	3	23.72	3		3		3		3	
1/4	1,731.65	1/4	1,386.69	1/4	1,041.78	1/4	697.25	1/4	352.30	1/4		1/4		1/4		1/4		1/4	
1/2	1,724.46	1/2	1,379.50	1/2	1,034.60	1/2	690.06	1/2	345.12	1/2		1/2		1/2		1/2		1/2	
3/4	1,717.27	3/4	1,372.32	3/4	1,027.42	3/4	682.87	3/4	337.93	3/4		3/4		3/4		3/4		3/4	
4	1,710.09	4	1,365.13	4	1,020.24	4	675.69	4	330.74	4		4		4		4		4	
1/4	1,702.90	1/4	1,357.94	1/4	1,013.07	1/4	668.50	1/4	323.56	1/4		1/4		1/4		1/4		1/4	
1/2	1,695.71	1/2	1,350.76	1/2	1,005.90	1/2	661.31	1/2	316.37	1/2		1/2		1/2		1/2		1/2	
3/4	1,688.53	3/4	1,343.57	3/4	998.72	3/4	654.13	3/4	309.19	3/4		3/4		3/4		3/4		3/4	
5	1,681.34	5	1,336.38	5	991.55	5	646.94	5	302.00	5		5		5		5		5	
1/4	1,674.15	1/4	1,329.20	1/4	984.38	1/4	639.76	1/4	294.81	1/4		1/4		1/4		1/4		1/4	
1/2	1,666.97	1/2	1,322.01	1/2	977.20	1/2	632.57	1/2	287.63	1/2		1/2		1/2		1/2		1/2	
3/4	1,659.78	3/4	1,314.82	3/4	970.03	3/4	625.38	3/4	280.44	3/4		3/4		3/4		3/4		3/4	
6	1,652.59	6	1,307.64	6	962.86	6	618.20	6	273.25	6		6		6		6		6	
1/4	1,645.41	1/4	1,300.45	1/4	955.68	1/4	611.01	1/4	266.07	1/4		1/4		1/4		1/4		1/4	
1/2	1,638.22	1/2	1,293.26	1/2	948.51	1/2	603.82	1/2	258.88	1/2		1/2		1/2		1/2		1/2	
3/4	1,631.03	3/4	1,286.08	3/4	941.34	3/4	596.64	3/4	251.70	3/4		3/4		3/4		3/4		3/4	
7	1,623.85	7	1,278.89	7	934.16	7	589.45	7	244.51	7		7		7		7		7	
1/4	1,616.66	1/4	1,271.70	1/4	926.99	1/4	582.27	1/4	237.32	1/4		1/4		1/4		1/4		1/4	
1/2	1,609.47	1/2	1,264.52	1/2	919.82	1/2	575.08	1/2	230.14	1/2		1/2		1/2		1/2		1/2	
3/4	1,602.29	3/4	1,257.33	3/4	912.64	3/4	567.89	3/4	222.95	3/4		3/4		3/4		3/4		3/4	
8	1,595.10	8	1,250.14	8	905.47	8	560.71	8	215.76	8		8		8		8		8	
1/4	1,587.91	1/4	1,242.96	1/4	898.29	1/4	553.52	1/4	208.58	1/4		1/4		1/4		1/4		1/4	
1/2	1,580.73	1/2	1,235.77	1/2	891.12	1/2	546.33	1/2	201.39	1/2		1/2		1/2		1/2		1/2	
3/4	1,573.54	3/4	1,228.58	3/4	883.95	3/4	539.15	3/4	194.21	3/4		3/4		3/4		3/4		3/4	
9	1,566.35	9	1,221.40	9	876.77	9	531.96	9	187.02	9		9		9		9		9	
1/4	1,559.17	1/4	1,214.21	1/4	869.60	1/4	524.77	1/4	179.83	1/4		1/4		1/4		1/4		1/4	
1/2	1,551.98	1/2	1,207.02	1/2	862.43	1/2	517.59	1/2	172.65	1/2		1/2		1/2		1/2		1/2	
3/4	1,544.79	3/4	1,199.84	3/4	855.25	3/4	510.40	3/4	165.46	3/4		3/4		3/4		3/4		3/4	
10	1,537.61	10	1,192.65	10	848.08	10	503.22	10	158.27	10		10		10		10		10	
1/4	1,530.42	1/4	1,185.46	1/4	840.91	1/4	496.03	1/4	151.09	1/4		1/4		1/4		1/4		1/4	
1/2	1,523.23	1/2	1,178.28	1/2	833.73	1/2	488.84	1/2	143.90	1/2		1/2		1/2		1/2		1/2	
3/4	1,516.05	3/4	1,171.09	3/4	826.56	3/4	481.66	3/4	136.72	3/4		3/4		3/4		3/4		3/4	
11	1,508.86	11	1,163.90	11	819.39	11	474.47	11	129.53	11		11		11		11		11	
1/4	1,501.68	1/4	1,156.72	1/4	812.21	1/4	467.28	1/4	122.35	1/4		1/4		1/4		1/4		1/4	
1/2	1,494.49	1/2	1,149.53	1/2	805.03	1/2	460.10	1/2	115.17	1/2		1/2		1/2		1/2		1/2	
3/4	1,487.30	3/4	1,142.35	3/4	797.85	3/4	452.91	3/4	107.99	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/09/2013 CL - SW
CALCULATED: 09/10/2013 CL
PRINTED: 09/10/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

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

BARGE "CTCo 315"

3 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	4,652.05	0	4,421.94	0	4,187.61	0	3,939.27	0	3,687.34	0	3,345.29	0	2,981.71	0	2,617.91	0	2,255.35
1/4		1/4	4,648.36	1/4	4,417.23	1/4	4,182.58	1/4	3,934.02	1/4	3,682.09	1/4	3,337.73	1/4	2,974.13	1/4	2,610.33	1/4	2,247.83
1/2		1/2	4,643.53	1/2	4,412.49	1/2	4,177.52	1/2	3,928.77	1/2	3,676.84	1/2	3,330.17	1/2	2,966.55	1/2	2,602.74	1/2	2,240.31
3/4		3/4	4,638.70	3/4	4,407.75	3/4	4,172.46	3/4	3,923.52	3/4	3,671.59	3/4	3,322.60	3/4	2,958.97	3/4	2,595.16	3/4	2,232.78
1		1	4,633.88	1	4,403.01	1	4,167.40	1	3,918.27	1	3,666.35	1	3,315.04	1	2,951.40	1	2,587.57	1	2,225.26
1/4		1/4	4,629.05	1/4	4,398.26	1/4	4,162.34	1/4	3,913.03	1/4	3,661.10	1/4	3,307.47	1/4	2,943.82	1/4	2,579.99	1/4	2,217.74
1/2		1/2	4,623.84	1/2	4,393.48	1/2	4,157.26	1/2	3,907.78	1/2	3,655.26	1/2	3,299.90	1/2	2,936.24	1/2	2,572.40	1/2	2,210.21
3/4		3/4	4,618.63	3/4	4,388.70	3/4	4,152.17	3/4	3,902.53	3/4	3,649.43	3/4	3,292.32	3/4	2,928.66	3/4	2,564.82	3/4	2,202.69
2		2	4,613.42	2	4,383.92	2	4,147.09	2	3,897.28	2	3,643.59	2	3,284.75	2	2,921.08	2	2,557.23	2	2,195.17
1/4		1/4	4,608.21	1/4	4,379.14	1/4	4,142.00	1/4	3,892.03	1/4	3,637.76	1/4	3,277.17	1/4	2,913.50	1/4	2,549.65	1/4	2,187.65
1/2		1/2	4,603.00	1/2	4,374.34	1/2	4,136.90	1/2	3,886.78	1/2	3,630.76	1/2	3,269.59	1/2	2,905.93	1/2	2,542.08	1/2	2,180.12
3/4		3/4	4,597.79	3/4	4,369.53	3/4	4,131.79	3/4	3,881.53	3/4	3,623.77	3/4	3,262.02	3/4	2,898.35	3/4	2,534.51	3/4	2,172.60
3		3	4,592.58	3	4,364.73	3	4,126.68	3	3,876.29	3	3,616.77	3	3,254.44	3	2,890.77	3	2,526.95	3	2,165.08
1/4		1/4	4,587.37	1/4	4,359.92	1/4	4,121.58	1/4	3,871.04	1/4	3,609.78	1/4	3,246.87	1/4	2,883.19	1/4	2,519.38	1/4	2,157.56
1/2		1/2	4,582.16	1/2	4,355.09	1/2	4,116.45	1/2	3,865.79	1/2	3,602.21	1/2	3,239.29	1/2	2,875.61	1/2	2,511.83	1/2	2,150.03
3/4		3/4	4,576.95	3/4	4,350.26	3/4	4,111.32	3/4	3,860.54	3/4	3,594.65	3/4	3,231.72	3/4	2,868.03	3/4	2,504.28	3/4	2,142.51
4		4	4,571.74	4	4,345.43	4	4,106.19	4	3,855.29	4	3,587.08	4	3,224.14	4	2,860.46	4	2,496.74	4	2,134.99
1/4		1/4	4,566.54	1/4	4,340.59	1/4	4,101.06	1/4	3,850.04	1/4	3,579.51	1/4	3,216.57	1/4	2,852.88	1/4	2,489.19	1/4	2,127.46
1/2		1/2	4,561.65	1/2	4,335.74	1/2	4,095.90	1/2	3,844.79	1/2	3,571.95	1/2	3,208.99	1/2	2,845.30	1/2	2,481.64	1/2	2,119.94
3/4		3/4	4,556.77	3/4	4,330.88	3/4	4,090.75	3/4	3,839.55	3/4	3,564.39	3/4	3,201.41	3/4	2,837.72	3/4	2,474.10	3/4	2,112.42
5		5	4,551.89	5	4,326.03	5	4,085.59	5	3,834.30	5	3,556.83	5	3,193.84	5	2,830.14	5	2,466.55	5	2,104.90
1/4		1/4	4,547.01	1/4	4,321.17	1/4	4,080.44	1/4	3,829.05	1/4	3,549.27	1/4	3,186.26	1/4	2,822.57	1/4	2,459.00	1/4	2,097.37
1/2		1/2	4,542.45	1/2	4,316.30	1/2	4,075.25	1/2	3,823.80	1/2	3,541.72	1/2	3,178.69	1/2	2,814.99	1/2	2,451.45	1/2	2,089.85
3/4		3/4	4,537.88	3/4	4,311.42	3/4	4,070.07	3/4	3,818.55	3/4	3,534.16	3/4	3,171.11	3/4	2,807.41	3/4	2,443.91	3/4	2,082.33
6		6	4,533.32	6	4,306.54	6	4,064.89	6	3,813.30	6	3,526.61	6	3,163.54	6	2,799.83	6	2,436.36	6	2,074.81
1/4		1/4	4,528.76	1/4	4,301.66	1/4	4,059.71	1/4	3,808.06	1/4	3,519.05	1/4	3,155.96	1/4	2,792.25	1/4	2,428.81	1/4	2,067.28
1/2		1/2	4,524.17	1/2	4,296.76	1/2	4,054.50	1/2	3,802.81	1/2	3,511.50	1/2	3,148.38	1/2	2,784.67	1/2	2,421.27	1/2	2,059.76
3/4		3/4	4,519.59	3/4	4,291.86	3/4	4,049.30	3/4	3,797.56	3/4	3,503.94	3/4	3,140.81	3/4	2,777.10	3/4	2,413.72	3/4	2,052.24
7		7	4,515.00	7	4,286.96	7	4,044.09	7	3,792.31	7	3,496.39	7	3,133.23	7	2,769.52	7	2,406.17	7	2,044.71
1/4		1/4	4,510.41	1/4	4,282.06	1/4	4,038.89	1/4	3,787.06	1/4	3,488.83	1/4	3,125.66	1/4	2,761.94	1/4	2,398.63	1/4	2,037.19
1/2		1/2	4,505.80	1/2	4,277.13	1/2	4,033.66	1/2	3,781.81	1/2	3,481.28	1/2	3,118.08	1/2	2,754.36	1/2	2,391.08	1/2	2,029.67
3/4		3/4	4,501.19	3/4	4,272.21	3/4	4,028.43	3/4	3,776.56	3/4	3,473.72	3/4	3,110.51	3/4	2,746.78	3/4	2,383.53	3/4	2,022.15
8		8	4,496.58	8	4,267.29	8	4,023.20	8	3,771.32	8	3,466.17	8	3,102.93	8	2,739.20	8	2,375.98	8	2,014.62
1/4		1/4	4,491.97	1/4	4,262.36	1/4	4,017.97	1/4	3,766.07	1/4	3,458.61	1/4	3,095.36	1/4	2,731.63	1/4	2,368.44	1/4	2,007.10
1/2		1/2	4,487.34	1/2	4,257.41	1/2	4,012.73	1/2	3,760.82	1/2	3,451.06	1/2	3,087.78	1/2	2,724.05	1/2	2,360.89	1/2	1,999.58
3/4		3/4	4,482.70	3/4	4,252.47	3/4	4,007.49	3/4	3,755.57	3/4	3,443.50	3/4	3,080.20	3/4	2,716.47	3/4	2,353.34	3/4	1,992.06
9		9	4,478.06	9	4,247.52	9	4,002.24	9	3,750.32	9	3,435.95	9	3,072.63	9	2,708.89	9	2,345.80	9	1,984.53
1/4		1/4	4,473.43	1/4	4,242.57	1/4	3,997.00	1/4	3,745.07	1/4	3,428.39	1/4	3,065.05	1/4	2,701.31	1/4	2,338.25	1/4	1,977.01
1/2		1/2	4,468.77	1/2	4,237.60	1/2	3,991.75	1/2	3,739.82	1/2	3,420.84	1/2	3,057.48	1/2	2,693.73	1/2	2,330.70	1/2	1,969.49
3/4		3/4	4,464.11	3/4	4,232.63	3/4	3,986.50	3/4	3,734.58	3/4	3,413.28	3/4	3,049.90	3/4	2,686.16	3/4	2,323.15	3/4	1,961.97
10		10	4,459.45	10	4,227.66	10	3,981.26	10	3,729.33	10	3,405.73	10	3,042.33	10	2,678.58	10	2,315.61	10	1,954.44
1/4		1/4	4,454.79	1/4	4,222.69	1/4	3,976.01	1/4	3,724.08	1/4	3,398.17	1/4	3,034.75	1/4	2,671.00	1/4	2,308.06	1/4	1,946.92
1/2		1/2	4,450.11	1/2	4,217.69	1/2	3,970.76	1/2	3,718.83	1/2	3,390.62	1/2	3,027.17	1/2	2,663.42	1/2	2,300.52	1/2	1,939.37
3/4		3/4	4,445.42	3/4	4,212.69	3/4	3,965.51	3/4	3,713.58	3/4	3,383.06	3/4	3,019.60	3/4	2,655.84	3/4	2,292.99	3/4	1,931.81
11		11	4,440.74	11	4,207.70	11	3,960.26	11	3,708.33	11	3,375.51	11	3,012.02	11	2,648.25	11	2,285.45	11	1,924.26
1/4		1/4	4,436.06	1/4	4,202.70	1/4	3,955.01	1/4	3,703.09	1/4	3,367.95	1/4	3,004.44	1/4	2,640.67	1/4	2,277.92	1/4	1,916.70
1/2		1/2	4,431.35	1/2	4,197.67	1/2	3,949.77	1/2	3,697.84	1/2	3,360.40	1/2	2,996.87	1/2	2,633.09	1/2	2,270.40	1/2	1,909.12
3/4	4,655.74	3/4	4,426.65	3/4	4,192.64	3/4	3,944.52	3/4	3,692.59	3/4	3,352.84	3/4	2,989.29	3/4	2,625.50	3/4	2,262.87	3/4	1,901.53

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 AT 2" DIAMETER OPENING ON "HERMETIC" CLOSED GAUGING VALVE.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-09" FORWARD OF AFT BULKHEAD.

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

BARGE "CTCo 315"

3 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,893.94	0	1,529.84	0	1,166.78	0	812.41	0	448.11	0	83.88	0		0		0		0	
1/4	1,886.36	1/4	1,522.25	1/4	1,159.40	1/4	804.82	1/4	440.52	1/4	76.30	1/4		1/4		1/4		1/4	
1/2	1,878.77	1/2	1,514.66	1/2	1,152.03	1/2	797.23	1/2	432.93	1/2	69.19	1/2		1/2		1/2		1/2	
3/4	1,871.19	3/4	1,507.08	3/4	1,144.66	3/4	789.64	3/4	425.34	3/4	62.09	3/4		3/4		3/4		3/4	
1	1,863.60	1	1,499.49	1	1,137.29	1	782.05	1	417.75	1	54.98	1		1		1		1	
1/4	1,856.02	1/4	1,491.91	1/4	1,129.92	1/4	774.46	1/4	410.16	1/4	47.87	1/4		1/4		1/4		1/4	
1/2	1,848.43	1/2	1,484.32	1/2	1,122.56	1/2	766.87	1/2	402.57	1/2	42.17	1/2		1/2		1/2		1/2	
3/4	1,840.84	3/4	1,476.74	3/4	1,115.20	3/4	759.28	3/4	394.99	3/4	36.47	3/4		3/4		3/4		3/4	
2	1,833.26	2	1,469.15	2	1,107.84	2	751.69	2	387.40	2	30.77	2		2		2		2	
1/4	1,825.67	1/4	1,461.56	1/4	1,100.47	1/4	744.10	1/4	379.81	1/4	25.07	1/4		1/4		1/4		1/4	
1/2	1,818.09	1/2	1,453.98	1/2	1,093.11	1/2	736.51	1/2	372.22	1/2		1/2		1/2		1/2		1/2	
3/4	1,810.50	3/4	1,446.39	3/4	1,085.75	3/4	728.92	3/4	364.63	3/4		3/4		3/4		3/4		3/4	
3	1,802.92	3	1,438.81	3	1,078.39	3	721.33	3	357.04	3		3		3		3		3	
1/4	1,795.33	1/4	1,431.22	1/4	1,071.03	1/4	713.74	1/4	349.45	1/4		1/4		1/4		1/4		1/4	
1/2	1,787.75	1/2	1,423.64	1/2	1,063.68	1/2	706.15	1/2	341.87	1/2		1/2		1/2		1/2		1/2	
3/4	1,780.16	3/4	1,416.05	3/4	1,056.32	3/4	698.56	3/4	334.28	3/4		3/4		3/4		3/4		3/4	
4	1,772.57	4	1,408.47	4	1,048.96	4	690.97	4	326.69	4		4		4		4		4	
1/4	1,764.99	1/4	1,400.88	1/4	1,041.61	1/4	683.38	1/4	319.10	1/4		1/4		1/4		1/4		1/4	
1/2	1,757.40	1/2	1,393.29	1/2	1,034.25	1/2	675.79	1/2	311.51	1/2		1/2		1/2		1/2		1/2	
3/4	1,749.82	3/4	1,385.71	3/4	1,026.90	3/4	668.20	3/4	303.92	3/4		3/4		3/4		3/4		3/4	
5	1,742.23	5	1,378.12	5	1,019.54	5	660.61	5	296.34	5		5		5		5		5	
1/4	1,734.65	1/4	1,370.54	1/4	1,012.19	1/4	653.02	1/4	288.75	1/4		1/4		1/4		1/4		1/4	
1/2	1,727.06	1/2	1,362.95	1/2	1,004.83	1/2	645.43	1/2	281.16	1/2		1/2		1/2		1/2		1/2	
3/4	1,719.48	3/4	1,355.37	3/4	997.47	3/4	637.84	3/4	273.57	3/4		3/4		3/4		3/4		3/4	
6	1,711.89	6	1,347.78	6	990.12	6	630.25	6	265.98	6		6		6		6		6	
1/4	1,704.30	1/4	1,340.20	1/4	982.76	1/4	622.66	1/4	258.39	1/4		1/4		1/4		1/4		1/4	
1/2	1,696.72	1/2	1,332.61	1/2	975.41	1/2	615.07	1/2	250.80	1/2		1/2		1/2		1/2		1/2	
3/4	1,689.13	3/4	1,325.02	3/4	968.05	3/4	607.48	3/4	243.21	3/4		3/4		3/4		3/4		3/4	
7	1,681.55	7	1,317.44	7	960.69	7	599.89	7	235.63	7		7		7		7		7	
1/4	1,673.96	1/4	1,309.85	1/4	953.34	1/4	592.30	1/4	228.04	1/4		1/4		1/4		1/4		1/4	
1/2	1,666.38	1/2	1,302.27	1/2	945.98	1/2	584.71	1/2	220.45	1/2		1/2		1/2		1/2		1/2	
3/4	1,658.79	3/4	1,294.68	3/4	938.63	3/4	577.12	3/4	212.86	3/4		3/4		3/4		3/4		3/4	
8	1,651.20	8	1,287.10	8	931.27	8	569.53	8	205.27	8		8		8		8		8	
1/4	1,643.62	1/4	1,279.51	1/4	923.92	1/4	561.95	1/4	197.68	1/4		1/4		1/4		1/4		1/4	
1/2	1,636.03	1/2	1,271.92	1/2	916.56	1/2	554.36	1/2	190.09	1/2		1/2		1/2		1/2		1/2	
3/4	1,628.45	3/4	1,264.34	3/4	909.20	3/4	546.77	3/4	182.50	3/4		3/4		3/4		3/4		3/4	
9	1,620.86	9	1,256.75	9	901.85	9	539.18	9	174.91	9		9		9		9		9	
1/4	1,613.28	1/4	1,249.17	1/4	894.49	1/4	531.59	1/4	167.32	1/4		1/4		1/4		1/4		1/4	
1/2	1,605.69	1/2	1,241.58	1/2	887.14	1/2	524.00	1/2	159.73	1/2		1/2		1/2		1/2		1/2	
3/4	1,598.11	3/4	1,234.00	3/4	879.78	3/4	516.41	3/4	152.14	3/4		3/4		3/4		3/4		3/4	
10	1,590.52	10	1,226.41	10	872.42	10	508.82	10	144.54	10		10		10		10		10	
1/4	1,582.93	1/4	1,218.83	1/4	865.07	1/4	501.23	1/4	136.95	1/4		1/4		1/4		1/4		1/4	
1/2	1,575.35	1/2	1,211.34	1/2	857.60	1/2	493.64	1/2	129.37	1/2		1/2		1/2		1/2		1/2	
3/4	1,567.76	3/4	1,203.86	3/4	850.12	3/4	486.05	3/4	121.78	3/4		3/4		3/4		3/4		3/4	
11	1,560.18	11	1,196.38	11	842.65	11	478.46	11	114.19	11		11		11		11		11	
1/4	1,552.59	1/4	1,188.90	1/4	835.18	1/4	470.87	1/4	106.60	1/4		1/4		1/4		1/4		1/4	
1/2	1,545.01	1/2	1,181.53	1/2	827.59	1/2	463.28	1/2	99.03	1/2		1/2		1/2		1/2		1/2	
3/4	1,537.42	3/4	1,174.15	3/4	820.00	3/4	455.69	3/4	91.45	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/09/2013 CL - SW
CALCULATED: 09/10/2013 CL
PRINTED: 09/10/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

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

BARGE "CTCo 315"

3 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02"

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	4,669.86	0	4,438.74	0	4,204.10	0	3,955.55	0	3,703.64	0	3,358.76	0	2,994.38	0	2,629.81	0	2,264.92
1/4		1/4	4,665.03	1/4	4,434.00	1/4	4,199.04	1/4	3,950.30	1/4	3,698.40	1/4	3,351.18	1/4	2,986.79	1/4	2,622.20	1/4	2,257.32
1/2		1/2	4,660.20	1/2	4,429.26	1/2	4,193.98	1/2	3,945.06	1/2	3,693.15	1/2	3,343.60	1/2	2,979.19	1/2	2,614.60	1/2	2,249.72
3/4		3/4	4,655.37	3/4	4,424.51	3/4	4,188.92	3/4	3,939.81	3/4	3,687.90	3/4	3,336.02	3/4	2,971.60	3/4	2,607.00	3/4	2,242.11
1		1	4,650.54	1	4,419.77	1	4,183.86	1	3,934.56	1	3,682.65	1	3,328.44	1	2,964.00	1	2,599.40	1	2,234.51
1/4		1/4	4,645.33	1/4	4,414.99	1/4	4,178.78	1/4	3,929.31	1/4	3,676.82	1/4	3,320.85	1/4	2,956.41	1/4	2,591.80	1/4	2,226.91
1/2		1/2	4,640.12	1/2	4,410.21	1/2	4,173.70	1/2	3,924.06	1/2	3,670.98	1/2	3,313.25	1/2	2,948.81	1/2	2,584.19	1/2	2,219.31
3/4		3/4	4,634.91	3/4	4,405.43	3/4	4,168.61	3/4	3,918.82	3/4	3,665.15	3/4	3,305.66	3/4	2,941.22	3/4	2,576.59	3/4	2,211.71
2		2	4,629.70	2	4,400.65	2	4,163.53	2	3,913.57	2	3,659.31	2	3,298.07	2	2,933.62	2	2,568.99	2	2,204.10
1/4		1/4	4,624.49	1/4	4,395.85	1/4	4,158.42	1/4	3,908.32	1/4	3,652.31	1/4	3,290.48	1/4	2,926.03	1/4	2,561.39	1/4	2,196.50
1/2		1/2	4,619.28	1/2	4,391.04	1/2	4,153.32	1/2	3,903.07	1/2	3,645.32	1/2	3,282.89	1/2	2,918.44	1/2	2,553.79	1/2	2,188.90
3/4		3/4	4,614.08	3/4	4,386.24	3/4	4,148.21	3/4	3,897.82	3/4	3,638.32	3/4	3,275.29	3/4	2,910.84	3/4	2,546.19	3/4	2,181.30
3		3	4,608.87	3	4,381.43	3	4,143.11	3	3,892.58	3	3,631.32	3	3,267.70	3	2,903.25	3	2,538.58	3	2,173.70
1/4		1/4	4,603.66	1/4	4,376.60	1/4	4,137.98	1/4	3,887.33	1/4	3,623.75	1/4	3,260.11	1/4	2,895.65	1/4	2,530.98	1/4	2,166.10
1/2		1/2	4,598.45	1/2	4,371.77	1/2	4,132.85	1/2	3,882.08	1/2	3,616.18	1/2	3,252.52	1/2	2,888.06	1/2	2,523.38	1/2	2,158.49
3/4		3/4	4,593.24	3/4	4,366.94	3/4	4,127.72	3/4	3,876.83	3/4	3,608.61	3/4	3,244.93	3/4	2,880.46	3/4	2,515.78	3/4	2,150.89
4		4	4,588.03	4	4,362.11	4	4,122.59	4	3,871.58	4	3,601.04	4	3,237.34	4	2,872.87	4	2,508.18	4	2,143.29
1/4		1/4	4,583.15	1/4	4,357.25	1/4	4,117.43	1/4	3,866.34	1/4	3,593.47	1/4	3,229.74	1/4	2,865.27	1/4	2,500.57	1/4	2,135.69
1/2		1/2	4,578.27	1/2	4,352.40	1/2	4,112.28	1/2	3,861.09	1/2	3,585.90	1/2	3,222.15	1/2	2,857.68	1/2	2,492.97	1/2	2,128.09
3/4		3/4	4,573.39	3/4	4,347.54	3/4	4,107.12	3/4	3,855.84	3/4	3,578.33	3/4	3,214.56	3/4	2,850.08	3/4	2,485.37	3/4	2,120.48
5		5	4,568.51	5	4,342.69	5	4,101.96	5	3,850.59	5	3,570.76	5	3,206.97	5	2,842.49	5	2,477.77	5	2,112.88
1/4		1/4	4,563.95	1/4	4,337.81	1/4	4,096.78	1/4	3,845.34	1/4	3,563.18	1/4	3,199.38	1/4	2,834.90	1/4	2,470.17	1/4	2,105.28
1/2		1/2	4,559.38	1/2	4,332.93	1/2	4,091.60	1/2	3,840.09	1/2	3,555.61	1/2	3,191.78	1/2	2,827.30	1/2	2,462.57	1/2	2,097.68
3/4		3/4	4,554.82	3/4	4,328.06	3/4	4,086.42	3/4	3,834.85	3/4	3,548.04	3/4	3,184.19	3/4	2,819.71	3/4	2,454.96	3/4	2,090.08
6		6	4,550.25	6	4,323.18	6	4,081.24	6	3,829.60	6	3,540.47	6	3,176.60	6	2,812.11	6	2,447.36	6	2,082.48
1/4		1/4	4,545.67	1/4	4,318.28	1/4	4,076.03	1/4	3,824.35	1/4	3,532.90	1/4	3,169.01	1/4	2,804.52	1/4	2,439.76	1/4	2,074.87
1/2		1/2	4,541.08	1/2	4,313.38	1/2	4,070.83	1/2	3,819.10	1/2	3,525.33	1/2	3,161.42	1/2	2,796.92	1/2	2,432.16	1/2	2,067.27
3/4		3/4	4,536.50	3/4	4,308.48	3/4	4,065.62	3/4	3,813.85	3/4	3,517.76	3/4	3,153.83	3/4	2,789.33	3/4	2,424.56	3/4	2,059.67
7		7	4,531.91	7	4,303.57	7	4,060.42	7	3,808.61	7	3,510.19	7	3,146.23	7	2,781.73	7	2,416.95	7	2,052.07
1/4		1/4	4,527.30	1/4	4,298.65	1/4	4,055.19	1/4	3,803.36	1/4	3,502.62	1/4	3,138.64	1/4	2,774.14	1/4	2,409.35	1/4	2,044.47
1/2		1/2	4,522.69	1/2	4,293.73	1/2	4,049.96	1/2	3,798.11	1/2	3,495.04	1/2	3,131.05	1/2	2,766.55	1/2	2,401.75	1/2	2,036.86
3/4		3/4	4,518.08	3/4	4,288.80	3/4	4,044.73	3/4	3,792.86	3/4	3,487.47	3/4	3,123.46	3/4	2,758.95	3/4	2,394.15	3/4	2,029.26
8		8	4,513.47	8	4,283.88	8	4,039.51	8	3,787.61	8	3,479.90	8	3,115.87	8	2,751.36	8	2,386.55	8	2,021.66
1/4		1/4	4,508.84	1/4	4,278.93	1/4	4,034.26	1/4	3,782.37	1/4	3,472.33	1/4	3,108.27	1/4	2,743.76	1/4	2,378.95	1/4	2,014.06
1/2		1/2	4,504.20	1/2	4,273.98	1/2	4,029.02	1/2	3,777.12	1/2	3,464.76	1/2	3,100.68	1/2	2,736.17	1/2	2,371.34	1/2	2,006.46
3/4		3/4	4,499.57	3/4	4,269.04	3/4	4,023.77	3/4	3,771.87	3/4	3,457.19	3/4	3,093.09	3/4	2,728.57	3/4	2,363.74	3/4	1,998.86
9		9	4,494.93	9	4,264.09	9	4,018.53	9	3,766.62	9	3,449.62	9	3,085.50	9	2,720.98	9	2,356.14	9	1,991.25
1/4		1/4	4,490.27	1/4	4,259.12	1/4	4,013.28	1/4	3,761.37	1/4	3,442.05	1/4	3,077.91	1/4	2,713.38	1/4	2,348.54	1/4	1,983.65
1/2		1/2	4,485.61	1/2	4,254.15	1/2	4,008.03	1/2	3,756.13	1/2	3,434.48	1/2	3,070.32	1/2	2,705.79	1/2	2,340.94	1/2	1,976.05
3/4		3/4	4,480.95	3/4	4,249.18	3/4	4,002.79	3/4	3,750.88	3/4	3,426.90	3/4	3,062.72	3/4	2,698.19	3/4	2,333.34	3/4	1,968.45
10		10	4,476.29	10	4,244.21	10	3,997.54	10	3,745.63	10	3,419.33	10	3,055.13	10	2,690.60	10	2,325.73	10	1,960.85
1/4		1/4	4,471.61	1/4	4,239.21	1/4	3,992.29	1/4	3,740.38	1/4	3,411.76	1/4	3,047.54	1/4	2,683.00	1/4	2,318.13	1/4	1,953.25
1/2		1/2	4,466.93	1/2	4,234.22	1/2	3,987.04	1/2	3,735.13	1/2	3,404.19	1/2	3,039.95	1/2	2,675.41	1/2	2,310.53	1/2	1,945.64
3/4		3/4	4,462.24	3/4	4,229.22	3/4	3,981.79	3/4	3,729.88	3/4	3,396.62	3/4	3,032.35	3/4	2,667.81	3/4	2,302.93	3/4	1,938.04
11		11	4,457.56	11	4,224.22	11	3,976.55	11	3,724.64	11	3,389.05	11	3,024.76	11	2,660.21	11	2,295.33	11	1,930.44
1/4		1/4	4,452.86	1/4	4,219.19	1/4	3,971.30	1/4	3,719.39	1/4	3,381.48	1/4	3,017.16	1/4	2,652.61	1/4	2,287.72	1/4	1,922.84
1/2	4,677.24	1/2	4,448.15	1/2	4,214.16	1/2	3,966.05	1/2	3,714.14	1/2	3,373.91	1/2	3,009.57	1/2	2,645.01	1/2	2,280.12	1/2	1,915.24
3/4	4,673.55	3/4	4,443.45	3/4	4,209.13	3/4	3,960.80	3/4	3,708.89	3/4	3,366.34	3/4	3,001.97	3/4	2,637.41	3/4	2,272.52	3/4	1,907.63

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 AT 2" DIAMETER OPENING ON "HERMETIC" CLOSED GAUGING VALVE.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-09" FORWARD OF AFT BULKHEAD.

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

BARGE "CTCo 315"

3 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02"

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	1,900.03	0	1,535.15	0	1,170.26	0	805.92	0	441.05	0	76.30	0		0		0		0	
1/4	1,892.43	1/4	1,527.54	1/4	1,162.66	1/4	798.32	1/4	433.45	1/4	69.19	1/4		1/4		1/4		1/4	
1/2	1,884.83	1/2	1,519.94	1/2	1,155.06	1/2	790.72	1/2	425.85	1/2	62.09	1/2		1/2		1/2		1/2	
3/4	1,877.23	3/4	1,512.34	3/4	1,147.47	3/4	783.12	3/4	418.25	3/4	54.98	3/4		3/4		3/4		3/4	
1	1,869.63	1	1,504.74	1	1,139.87	1	775.52	1	410.65	1	47.87	1		1		1		1	
1/4	1,862.02	1/4	1,497.14	1/4	1,132.27	1/4	767.92	1/4	403.04	1/4	42.17	1/4		1/4		1/4		1/4	
1/2	1,854.42	1/2	1,489.54	1/2	1,124.68	1/2	760.32	1/2	395.44	1/2	36.47	1/2		1/2		1/2		1/2	
3/4	1,846.82	3/4	1,481.93	3/4	1,117.09	3/4	752.71	3/4	387.84	3/4	30.77	3/4		3/4		3/4		3/4	
2	1,839.22	2	1,474.33	2	1,109.49	2	745.11	2	380.24	2	25.07	2		2		2		2	
1/4	1,831.62	1/4	1,466.73	1/4	1,101.90	1/4	737.51	1/4	372.64	1/4		1/4		1/4		1/4		1/4	
1/2	1,824.01	1/2	1,459.13	1/2	1,094.31	1/2	729.91	1/2	365.04	1/2		1/2		1/2		1/2		1/2	
3/4	1,816.41	3/4	1,451.53	3/4	1,086.72	3/4	722.31	3/4	357.44	3/4		3/4		3/4		3/4		3/4	
3	1,808.81	3	1,443.92	3	1,079.13	3	714.71	3	349.83	3		3		3		3		3	
1/4	1,801.21	1/4	1,436.32	1/4	1,071.55	1/4	707.10	1/4	342.23	1/4		1/4		1/4		1/4		1/4	
1/2	1,793.61	1/2	1,428.72	1/2	1,063.96	1/2	699.50	1/2	334.63	1/2		1/2		1/2		1/2		1/2	
3/4	1,786.01	3/4	1,421.12	3/4	1,056.37	3/4	691.90	3/4	327.03	3/4		3/4		3/4		3/4		3/4	
4	1,778.40	4	1,413.52	4	1,048.79	4	684.30	4	319.43	4		4		4		4		4	
1/4	1,770.80	1/4	1,405.92	1/4	1,041.20	1/4	676.70	1/4	311.83	1/4		1/4		1/4		1/4		1/4	
1/2	1,763.20	1/2	1,398.31	1/2	1,033.61	1/2	669.10	1/2	304.23	1/2		1/2		1/2		1/2		1/2	
3/4	1,755.60	3/4	1,390.71	3/4	1,026.03	3/4	661.50	3/4	296.62	3/4		3/4		3/4		3/4		3/4	
5	1,748.00	5	1,383.11	5	1,018.44	5	653.89	5	289.02	5		5		5		5		5	
1/4	1,740.39	1/4	1,375.51	1/4	1,010.85	1/4	646.29	1/4	281.42	1/4		1/4		1/4		1/4		1/4	
1/2	1,732.79	1/2	1,367.91	1/2	1,003.27	1/2	638.69	1/2	273.82	1/2		1/2		1/2		1/2		1/2	
3/4	1,725.19	3/4	1,360.30	3/4	995.68	3/4	631.09	3/4	266.22	3/4		3/4		3/4		3/4		3/4	
6	1,717.59	6	1,352.70	6	988.09	6	623.49	6	258.62	6		6		6		6		6	
1/4	1,709.99	1/4	1,345.10	1/4	980.51	1/4	615.89	1/4	251.01	1/4		1/4		1/4		1/4		1/4	
1/2	1,702.39	1/2	1,337.50	1/2	972.92	1/2	608.29	1/2	243.41	1/2		1/2		1/2		1/2		1/2	
3/4	1,694.78	3/4	1,329.90	3/4	965.33	3/4	600.68	3/4	235.81	3/4		3/4		3/4		3/4		3/4	
7	1,687.18	7	1,322.30	7	957.75	7	593.08	7	228.21	7		7		7		7		7	
1/4	1,679.58	1/4	1,314.69	1/4	950.16	1/4	585.48	1/4	220.61	1/4		1/4		1/4		1/4		1/4	
1/2	1,671.98	1/2	1,307.09	1/2	942.58	1/2	577.88	1/2	213.01	1/2		1/2		1/2		1/2		1/2	
3/4	1,664.38	3/4	1,299.49	3/4	934.99	3/4	570.28	3/4	205.41	3/4		3/4		3/4		3/4		3/4	
8	1,656.77	8	1,291.89	8	927.40	8	562.68	8	197.80	8		8		8		8		8	
1/4	1,649.17	1/4	1,284.29	1/4	919.82	1/4	555.07	1/4	190.20	1/4		1/4		1/4		1/4		1/4	
1/2	1,641.57	1/2	1,276.68	1/2	912.23	1/2	547.47	1/2	182.60	1/2		1/2		1/2		1/2		1/2	
3/4	1,633.97	3/4	1,269.08	3/4	904.64	3/4	539.87	3/4	175.00	3/4		3/4		3/4		3/4		3/4	
9	1,626.37	9	1,261.48	9	897.06	9	532.27	9	167.40	9		9		9		9		9	
1/4	1,618.77	1/4	1,253.88	1/4	889.47	1/4	524.67	1/4	159.80	1/4		1/4		1/4		1/4		1/4	
1/2	1,611.16	1/2	1,246.28	1/2	881.88	1/2	517.07	1/2	152.20	1/2		1/2		1/2		1/2		1/2	
3/4	1,603.56	3/4	1,238.68	3/4	874.30	3/4	509.47	3/4	144.60	3/4		3/4		3/4		3/4		3/4	
10	1,595.96	10	1,231.07	10	866.71	10	501.86	10	136.99	10		10		10		10		10	
1/4	1,588.36	1/4	1,223.47	1/4	859.12	1/4	494.26	1/4	129.40	1/4		1/4		1/4		1/4		1/4	
1/2	1,580.76	1/2	1,215.87	1/2	851.52	1/2	486.66	1/2	121.80	1/2		1/2		1/2		1/2		1/2	
3/4	1,573.16	3/4	1,208.27	3/4	843.93	3/4	479.06	3/4	114.21	3/4		3/4		3/4		3/4		3/4	
11	1,565.55	11	1,200.67	11	836.33	11	471.46	11	106.61	11		11		11		11		11	
1/4	1,557.95	1/4	1,193.07	1/4	828.73	1/4	463.86	1/4	99.03	1/4		1/4		1/4		1/4		1/4	
1/2	1,550.35	1/2	1,185.46	1/2	821.13	1/2	456.26	1/2	91.46	1/2		1/2		1/2		1/2		1/2	
3/4	1,542.75	3/4	1,177.86	3/4	813.53	3/4	448.65	3/4	83.88	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/09/2013 CL - SW
CALCULATED: 09/10/2013 CL
PRINTED: 09/10/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

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