



BARGE "CTCo 315"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 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 INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"

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 INNAGE 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	23.52	0	326.02	0	684.42	0	1,050.10	0	1,417.01	0	1,784.41	0	2,151.81	0	2,519.21	0	2,886.61	0	3,253.88
1/4	28.02	1/4	333.08	1/4	692.07	1/4	1,057.71	1/4	1,424.66	1/4	1,792.06	1/4	2,159.46	1/4	2,526.86	1/4	2,894.27	1/4	3,261.53
1/2	32.51	1/2	340.15	1/2	699.73	1/2	1,065.32	1/2	1,432.31	1/2	1,799.72	1/2	2,167.12	1/2	2,534.52	1/2	2,901.92	1/2	3,269.18
3/4	37.00	3/4	347.21	3/4	707.38	3/4	1,072.93	3/4	1,439.97	3/4	1,807.37	3/4	2,174.77	3/4	2,542.17	3/4	2,909.57	3/4	3,276.83
1	41.50	1	354.27	1	715.04	1	1,080.54	1	1,447.62	1	1,815.02	1	2,182.43	1	2,549.83	1	2,917.23	1	3,284.48
1/4	47.05	1/4	361.43	1/4	722.69	1/4	1,088.16	1/4	1,455.28	1/4	1,822.68	1/4	2,190.08	1/4	2,557.48	1/4	2,924.88	1/4	3,292.13
1/2	52.61	1/2	368.58	1/2	730.34	1/2	1,095.78	1/2	1,462.93	1/2	1,830.33	1/2	2,197.73	1/2	2,565.14	1/2	2,932.54	1/2	3,299.78
3/4	58.16	3/4	375.74	3/4	738.00	3/4	1,103.40	3/4	1,470.59	3/4	1,837.99	3/4	2,205.39	3/4	2,572.79	3/4	2,940.19	3/4	3,307.43
2	63.72	2	382.89	2	745.65	2	1,111.01	2	1,478.24	2	1,845.64	2	2,213.04	2	2,580.44	2	2,947.85	2	3,315.08
1/4	69.84	1/4	390.14	1/4	753.31	1/4	1,118.64	1/4	1,485.89	1/4	1,853.30	1/4	2,220.70	1/4	2,588.10	1/4	2,955.50	1/4	3,322.73
1/2	75.96	1/2	397.38	1/2	760.96	1/2	1,126.26	1/2	1,493.55	1/2	1,860.95	1/2	2,228.35	1/2	2,595.75	1/2	2,963.15	1/2	3,330.38
3/4	82.08	3/4	404.63	3/4	768.61	3/4	1,133.89	3/4	1,501.20	3/4	1,868.60	3/4	2,236.01	3/4	2,603.41	3/4	2,970.81	3/4	3,338.04
3	88.20	3	411.87	3	776.27	3	1,141.51	3	1,508.86	3	1,876.26	3	2,243.66	3	2,611.06	3	2,978.46	3	3,345.69
1/4	94.43	1/4	419.21	1/4	783.90	1/4	1,149.15	1/4	1,516.51	1/4	1,883.91	1/4	2,251.31	1/4	2,618.72	1/4	2,986.12	1/4	3,353.34
1/2	100.66	1/2	426.55	1/2	791.52	1/2	1,156.79	1/2	1,524.16	1/2	1,891.57	1/2	2,258.97	1/2	2,626.37	1/2	2,993.77	1/2	3,360.99
3/4	106.88	3/4	433.88	3/4	799.15	3/4	1,164.43	3/4	1,531.82	3/4	1,899.22	3/4	2,266.62	3/4	2,634.02	3/4	3,001.42	3/4	3,368.64
4	113.11	4	441.22	4	806.78	4	1,172.07	4	1,539.47	4	1,906.87	4	2,274.28	4	2,641.68	4	3,009.08	4	3,376.29
1/4	119.44	1/4	448.64	1/4	814.39	1/4	1,179.73	1/4	1,547.13	1/4	1,914.53	1/4	2,281.93	1/4	2,649.33	1/4	3,016.73	1/4	3,383.94
1/2	125.77	1/2	456.07	1/2	821.99	1/2	1,187.38	1/2	1,554.78	1/2	1,922.18	1/2	2,289.58	1/2	2,656.99	1/2	3,024.38	1/2	3,391.59
3/4	132.10	3/4	463.50	3/4	829.59	3/4	1,195.03	3/4	1,562.44	3/4	1,929.84	3/4	2,297.24	3/4	2,664.64	3/4	3,032.03	3/4	3,399.24
5	138.42	5	470.92	5	837.19	5	1,202.69	5	1,570.09	5	1,937.49	5	2,304.89	5	2,672.29	5	3,039.68	5	3,406.89
1/4	144.85	1/4	478.44	1/4	844.80	1/4	1,210.34	1/4	1,577.74	1/4	1,945.15	1/4	2,312.55	1/4	2,679.95	1/4	3,047.33	1/4	3,414.54
1/2	151.27	1/2	485.96	1/2	852.40	1/2	1,218.00	1/2	1,585.40	1/2	1,952.80	1/2	2,320.20	1/2	2,687.60	1/2	3,054.98	1/2	3,422.19
3/4	157.70	3/4	493.48	3/4	860.00	3/4	1,225.65	3/4	1,593.05	3/4	1,960.45	3/4	2,327.86	3/4	2,695.26	3/4	3,062.63	3/4	3,429.84
6	164.12	6	501.00	6	867.61	6	1,233.30	6	1,600.71	6	1,968.11	6	2,335.51	6	2,702.91	6	3,070.28	6	3,437.49
1/4	170.64	1/4	508.59	1/4	875.21	1/4	1,240.96	1/4	1,608.36	1/4	1,975.76	1/4	2,343.16	1/4	2,710.57	1/4	3,077.93	1/4	3,445.14
1/2	177.16	1/2	516.19	1/2	882.81	1/2	1,248.61	1/2	1,616.01	1/2	1,983.42	1/2	2,350.82	1/2	2,718.22	1/2	3,085.58	1/2	3,452.79
3/4	183.68	3/4	523.79	3/4	890.42	3/4	1,256.27	3/4	1,623.67	3/4	1,991.07	3/4	2,358.47	3/4	2,725.87	3/4	3,093.23	3/4	3,460.44
7	190.20	7	531.38	7	898.02	7	1,263.92	7	1,631.32	7	1,998.72	7	2,366.13	7	2,733.53	7	3,100.88	7	3,468.09
1/4	196.81	1/4	539.03	1/4	905.62	1/4	1,271.58	1/4	1,638.98	1/4	2,006.38	1/4	2,373.78	1/4	2,741.18	1/4	3,108.53	1/4	3,475.74
1/2	203.42	1/2	546.67	1/2	913.23	1/2	1,279.23	1/2	1,646.63	1/2	2,014.03	1/2	2,381.43	1/2	2,748.84	1/2	3,116.18	1/2	3,483.39
3/4	210.03	3/4	554.31	3/4	920.83	3/4	1,286.88	3/4	1,654.29	3/4	2,021.69	3/4	2,389.09	3/4	2,756.49	3/4	3,123.83	3/4	3,491.04
8	216.64	8	561.96	8	928.43	8	1,294.54	8	1,661.94	8	2,029.34	8	2,396.74	8	2,764.14	8	3,131.48	8	3,498.69
1/4	223.34	1/4	569.61	1/4	936.04	1/4	1,302.19	1/4	1,669.59	1/4	2,037.00	1/4	2,404.40	1/4	2,771.80	1/4	3,139.13	1/4	3,506.34
1/2	230.04	1/2	577.26	1/2	943.64	1/2	1,309.85	1/2	1,677.25	1/2	2,044.65	1/2	2,412.05	1/2	2,779.45	1/2	3,146.78	1/2	3,513.99
3/4	236.74	3/4	584.92	3/4	951.24	3/4	1,317.50	3/4	1,684.90	3/4	2,052.30	3/4	2,419.71	3/4	2,787.11	3/4	3,154.43	3/4	3,521.64
9	243.44	9	592.57	9	958.85	9	1,325.16	9	1,692.56	9	2,059.96	9	2,427.36	9	2,794.76	9	3,162.08	9	3,529.29
1/4	250.23	1/4	600.23	1/4	966.45	1/4	1,332.81	1/4	1,700.21	1/4	2,067.61	1/4	2,435.01	1/4	2,802.42	1/4	3,169.73	1/4	3,536.93
1/2	257.02	1/2	607.88	1/2	974.05	1/2	1,340.46	1/2	1,707.87	1/2	2,075.27	1/2	2,442.67	1/2	2,810.07	1/2	3,177.38	1/2	3,544.58
3/4	263.81	3/4	615.53	3/4	981.66	3/4	1,348.12	3/4	1,715.52	3/4	2,082.92	3/4	2,450.32	3/4	2,817.72	3/4	3,185.03	3/4	3,552.22
10	270.60	10	623.19	10	989.26	10	1,355.77	10	1,723.17	10	2,090.58	10	2,457.98	10	2,825.38	10	3,192.68	10	3,559.87
1/4	277.48	1/4	630.84	1/4	996.86	1/4	1,363.43	1/4	1,730.83	1/4	2,098.23	1/4	2,465.63	1/4	2,833.03	1/4	3,200.33	1/4	3,567.51
1/2	284.36	1/2	638.50	1/2	1,004.47	1/2	1,371.08	1/2	1,738.48	1/2	2,105.88	1/2	2,473.29	1/2	2,840.69	1/2	3,207.98	1/2	3,575.14
3/4	291.25	3/4	646.15	3/4	1,012.07	3/4	1,378.73	3/4	1,746.14	3/4	2,113.54	3/4	2,480.94	3/4	2,848.34	3/4	3,215.63	3/4	3,582.78
11	298.13	11	653.80	11	1,019.67	11	1,386.39	11	1,753.79	11	2,121.19	11	2,488.59	11	2,856.00	11	3,223.28	11	3,590.42
1/4	305.10	1/4	661.46	1/4	1,027.28	1/4	1,394.04	1/4	1,761.44	1/4	2,128.85	1/4	2,496.25	1/4	2,863.65	1/4	3,230.93	1/4	3,598.06
1/2	312.07	1/2	669.11	1/2	1,034.89	1/2	1,401.70	1/2	1,769.10	1/2	2,136.50	1/2	2,503.90	1/2	2,871.30	1/2	3,238.58	1/2	3,605.70
3/4	319.05	3/4	676.77	3/4	1,042.49	3/4	1,409.35	3/4	1,776.75	3/4	2,144.15	3/4	2,511.56	3/4	2,878.96	3/4	3,246.23	3/4	3,613.34

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 INNAGE 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.

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BARGE "CTCo 315"

1 PORT INNAGE 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	3,620.98	0	3,987.63	0	4,351.44	0	4,696.55	0	5,029.90	0		0		0		0		0	
1/4	3,628.61	1/4	3,995.27	1/4	4,358.84	1/4	4,703.50	1/4	5,037.48	1/4		1/4		1/4		1/4		1/4	
1/2	3,636.25	1/2	4,002.91	1/2	4,366.24	1/2	4,710.46	1/2	5,045.07	1/2		1/2		1/2		1/2		1/2	
3/4	3,643.89	3/4	4,010.54	3/4	4,373.64	3/4	4,717.41	3/4	5,052.65	3/4		3/4		3/4		3/4		3/4	
1	3,651.53	1	4,018.18	1	4,381.04	1	4,724.37	1	5,060.23	1		1		1		1		1	
1/4	3,659.17	1/4	4,025.82	1/4	4,388.40	1/4	4,731.27	1/4	5,067.43	1/4		1/4		1/4		1/4		1/4	
1/2	3,666.81	1/2	4,033.46	1/2	4,395.77	1/2	4,738.17	1/2	5,074.63	1/2		1/2		1/2		1/2		1/2	
3/4	3,674.45	3/4	4,041.10	3/4	4,403.13	3/4	4,745.08	3/4	5,081.83	3/4		3/4		3/4		3/4		3/4	
2	3,682.08	2	4,048.74	2	4,410.49	2	4,751.98	2	5,089.03	2		2		2		2		2	
1/4	3,689.72	1/4	4,056.38	1/4	4,417.82	1/4	4,758.83	1/4	5,095.08	1/4		1/4		1/4		1/4		1/4	
1/2	3,697.36	1/2	4,064.01	1/2	4,425.14	1/2	4,765.67	1/2	5,101.13	1/2		1/2		1/2		1/2		1/2	
3/4	3,705.00	3/4	4,071.65	3/4	4,432.46	3/4	4,772.52	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,712.64	3	4,079.29	3	4,439.78	3	4,779.37	3		3		3		3		3		3	
1/4	3,720.28	1/4	4,086.93	1/4	4,447.05	1/4	4,786.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,727.92	1/2	4,094.57	1/2	4,454.32	1/2	4,793.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,735.56	3/4	4,102.21	3/4	4,461.59	3/4	4,799.82	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,743.19	4	4,109.85	4	4,468.86	4	4,806.63	4		4		4		4		4		4	
1/4	3,750.83	1/4	4,117.49	1/4	4,476.10	1/4	4,813.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,758.47	1/2	4,125.12	1/2	4,483.33	1/2	4,820.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,766.11	3/4	4,132.76	3/4	4,490.56	3/4	4,826.97	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,773.75	5	4,140.40	5	4,497.80	5	4,833.75	5		5		5		5		5		5	
1/4	3,781.39	1/4	4,148.03	1/4	4,505.00	1/4	4,840.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,789.03	1/2	4,155.66	1/2	4,512.20	1/2	4,847.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,796.66	3/4	4,163.30	3/4	4,519.40	3/4	4,854.00	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,804.30	6	4,170.93	6	4,526.60	6	4,860.74	6		6		6		6		6		6	
1/4	3,811.94	1/4	4,178.54	1/4	4,533.76	1/4	4,867.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,819.58	1/2	4,186.15	1/2	4,540.93	1/2	4,874.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,827.22	3/4	4,193.75	3/4	4,548.10	3/4	4,880.87	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,834.86	7	4,201.36	7	4,555.26	7	4,887.58	7		7		7		7		7		7	
1/4	3,842.50	1/4	4,208.94	1/4	4,562.39	1/4	4,894.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,850.13	1/2	4,216.51	1/2	4,569.53	1/2	4,900.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,857.77	3/4	4,224.09	3/4	4,576.66	3/4	4,907.60	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,865.41	8	4,231.67	8	4,583.79	8	4,914.28	8		8		8		8		8		8	
1/4	3,873.05	1/4	4,239.21	1/4	4,590.89	1/4	4,920.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,880.69	1/2	4,246.75	1/2	4,597.99	1/2	4,927.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,888.33	3/4	4,254.29	3/4	4,605.09	3/4	4,934.20	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,895.97	9	4,261.83	9	4,612.19	9	4,940.84	9		9		9		9		9		9	
1/4	3,903.60	1/4	4,269.34	1/4	4,619.25	1/4	4,947.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,911.24	1/2	4,276.84	1/2	4,626.32	1/2	4,955.05	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,918.88	3/4	4,284.35	3/4	4,633.38	3/4	4,962.15	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,926.52	10	4,291.85	10	4,640.45	10	4,969.25	10		10		10		10		10		10	
1/4	3,934.16	1/4	4,299.31	1/4	4,647.48	1/4	4,976.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,941.80	1/2	4,306.78	1/2	4,654.51	1/2	4,984.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,949.44	3/4	4,314.25	3/4	4,661.54	3/4	4,992.00	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,957.07	11	4,321.71	11	4,668.57	11	4,999.58	11		11		11		11		11		11	
1/4	3,964.71	1/4	4,329.14	1/4	4,675.57	1/4	5,007.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,972.35	1/2	4,336.58	1/2	4,682.56	1/2	5,014.74	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,979.99	3/4	4,344.01	3/4	4,689.55	3/4	5,022.32	3/4		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
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BARGE "CTCo 315"

1 STBD INNAGE 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	23.53	0	325.78	0	683.64	0	1,050.11	0	1,417.00	0	1,783.92	0	2,150.85	0	2,517.78	0	2,884.70	0	3,251.49
1/4	28.02	1/4	332.83	1/4	691.29	1/4	1,057.75	1/4	1,424.64	1/4	1,791.57	1/4	2,158.49	1/4	2,525.42	1/4	2,892.35	1/4	3,259.13
1/2	32.52	1/2	339.89	1/2	698.93	1/2	1,065.39	1/2	1,432.29	1/2	1,799.21	1/2	2,166.14	1/2	2,533.07	1/2	2,899.99	1/2	3,266.77
3/4	37.01	3/4	346.94	3/4	706.58	3/4	1,073.02	3/4	1,439.93	3/4	1,806.86	3/4	2,173.78	3/4	2,540.71	3/4	2,907.64	3/4	3,274.41
1	41.51	1	353.99	1	714.22	1	1,080.66	1	1,447.58	1	1,814.50	1	2,181.43	1	2,548.35	1	2,915.28	1	3,282.06
1/4	47.06	1/4	361.14	1/4	721.86	1/4	1,088.30	1/4	1,455.22	1/4	1,822.15	1/4	2,189.07	1/4	2,556.00	1/4	2,922.92	1/4	3,289.70
1/2	52.62	1/2	368.28	1/2	729.51	1/2	1,095.94	1/2	1,462.86	1/2	1,829.79	1/2	2,196.72	1/2	2,563.64	1/2	2,930.57	1/2	3,297.34
3/4	58.18	3/4	375.43	3/4	737.15	3/4	1,103.58	3/4	1,470.51	3/4	1,837.43	3/4	2,204.36	3/4	2,571.29	3/4	2,938.21	3/4	3,304.98
2	63.74	2	382.57	2	744.80	2	1,111.23	2	1,478.15	2	1,845.08	2	2,212.01	2	2,578.93	2	2,945.86	2	3,312.62
1/4	69.86	1/4	389.81	1/4	752.44	1/4	1,118.87	1/4	1,485.80	1/4	1,852.72	1/4	2,219.65	1/4	2,586.58	1/4	2,953.50	1/4	3,320.26
1/2	75.98	1/2	397.04	1/2	760.09	1/2	1,126.51	1/2	1,493.44	1/2	1,860.37	1/2	2,227.29	1/2	2,594.22	1/2	2,961.15	1/2	3,327.90
3/4	82.10	3/4	404.28	3/4	767.73	3/4	1,134.16	3/4	1,501.09	3/4	1,868.01	3/4	2,234.94	3/4	2,601.86	3/4	2,968.79	3/4	3,335.54
3	88.22	3	411.51	3	775.37	3	1,141.80	3	1,508.73	3	1,875.66	3	2,242.58	3	2,609.51	3	2,976.44	3	3,343.18
1/4	94.45	1/4	418.84	1/4	783.01	1/4	1,149.45	1/4	1,516.37	1/4	1,883.30	1/4	2,250.23	1/4	2,617.15	1/4	2,984.08	1/4	3,350.82
1/2	100.68	1/2	426.17	1/2	790.65	1/2	1,157.09	1/2	1,524.02	1/2	1,890.94	1/2	2,257.87	1/2	2,624.80	1/2	2,991.72	1/2	3,358.46
3/4	106.91	3/4	433.49	3/4	798.28	3/4	1,164.74	3/4	1,531.66	3/4	1,898.59	3/4	2,265.52	3/4	2,632.44	3/4	2,999.36	3/4	3,366.10
4	113.14	4	440.82	4	805.92	4	1,172.38	4	1,539.31	4	1,906.23	4	2,273.16	4	2,640.09	4	3,007.00	4	3,373.74
1/4	119.47	1/4	448.24	1/4	813.55	1/4	1,180.02	1/4	1,546.95	1/4	1,913.88	1/4	2,280.80	1/4	2,647.73	1/4	3,014.64	1/4	3,381.38
1/2	125.80	1/2	455.65	1/2	821.18	1/2	1,187.67	1/2	1,554.60	1/2	1,921.52	1/2	2,288.45	1/2	2,655.37	1/2	3,022.28	1/2	3,389.02
3/4	132.12	3/4	463.07	3/4	828.81	3/4	1,195.31	3/4	1,562.24	3/4	1,929.17	3/4	2,296.09	3/4	2,663.02	3/4	3,029.93	3/4	3,396.66
5	138.45	5	470.49	5	836.44	5	1,202.96	5	1,569.88	5	1,936.81	5	2,303.74	5	2,670.66	5	3,037.57	5	3,404.30
1/4	144.87	1/4	478.00	1/4	844.07	1/4	1,210.60	1/4	1,577.53	1/4	1,944.45	1/4	2,311.38	1/4	2,678.31	1/4	3,045.21	1/4	3,411.94
1/2	151.28	1/2	485.50	1/2	851.70	1/2	1,218.25	1/2	1,585.17	1/2	1,952.10	1/2	2,319.03	1/2	2,685.95	1/2	3,052.85	1/2	3,419.58
3/4	157.70	3/4	493.01	3/4	859.33	3/4	1,225.89	3/4	1,592.82	3/4	1,959.74	3/4	2,326.67	3/4	2,693.60	3/4	3,060.49	3/4	3,427.22
6	164.12	6	500.52	6	866.97	6	1,233.53	6	1,600.46	6	1,967.39	6	2,334.31	6	2,701.24	6	3,068.13	6	3,434.86
1/4	170.63	1/4	508.10	1/4	874.60	1/4	1,241.18	1/4	1,608.11	1/4	1,975.03	1/4	2,341.96	1/4	2,708.88	1/4	3,075.77	1/4	3,442.50
1/2	177.14	1/2	515.69	1/2	882.23	1/2	1,248.82	1/2	1,615.75	1/2	1,982.68	1/2	2,349.60	1/2	2,716.53	1/2	3,083.41	1/2	3,450.14
3/4	183.65	3/4	523.27	3/4	889.86	3/4	1,256.47	3/4	1,623.39	3/4	1,990.32	3/4	2,357.25	3/4	2,724.17	3/4	3,091.05	3/4	3,457.78
7	190.15	7	530.85	7	897.49	7	1,264.11	7	1,631.04	7	1,997.96	7	2,364.89	7	2,731.82	7	3,098.69	7	3,465.42
1/4	196.75	1/4	538.48	1/4	905.12	1/4	1,271.76	1/4	1,638.68	1/4	2,005.61	1/4	2,372.54	1/4	2,739.46	1/4	3,106.33	1/4	3,473.06
1/2	203.35	1/2	546.10	1/2	912.75	1/2	1,279.40	1/2	1,646.33	1/2	2,013.25	1/2	2,380.18	1/2	2,747.11	1/2	3,113.97	1/2	3,480.70
3/4	209.95	3/4	553.73	3/4	920.38	3/4	1,287.04	3/4	1,653.97	3/4	2,020.90	3/4	2,387.82	3/4	2,754.75	3/4	3,121.61	3/4	3,488.34
8	216.55	8	561.35	8	928.01	8	1,294.69	8	1,661.62	8	2,028.54	8	2,395.47	8	2,762.39	8	3,129.25	8	3,495.98
1/4	223.24	1/4	568.99	1/4	935.64	1/4	1,302.33	1/4	1,669.26	1/4	2,036.19	1/4	2,403.11	1/4	2,770.04	1/4	3,136.89	1/4	3,503.62
1/2	229.93	1/2	576.63	1/2	943.27	1/2	1,309.98	1/2	1,676.90	1/2	2,043.83	1/2	2,410.76	1/2	2,777.68	1/2	3,144.53	1/2	3,511.26
3/4	236.62	3/4	584.27	3/4	950.90	3/4	1,317.62	3/4	1,684.55	3/4	2,051.47	3/4	2,418.40	3/4	2,785.33	3/4	3,152.17	3/4	3,518.90
9	243.31	9	591.92	9	958.53	9	1,325.27	9	1,692.19	9	2,059.12	9	2,426.05	9	2,792.97	9	3,159.81	9	3,526.54
1/4	250.10	1/4	599.56	1/4	966.16	1/4	1,332.91	1/4	1,699.84	1/4	2,066.76	1/4	2,433.69	1/4	2,800.62	1/4	3,167.45	1/4	3,534.18
1/2	256.88	1/2	607.20	1/2	973.79	1/2	1,340.55	1/2	1,707.48	1/2	2,074.41	1/2	2,441.33	1/2	2,808.26	1/2	3,175.09	1/2	3,541.83
3/4	263.66	3/4	614.85	3/4	981.42	3/4	1,348.20	3/4	1,715.13	3/4	2,082.05	3/4	2,448.98	3/4	2,815.90	3/4	3,182.73	3/4	3,549.47
10	270.44	10	622.49	10	989.05	10	1,355.84	10	1,722.77	10	2,089.70	10	2,456.62	10	2,823.55	10	3,190.37	10	3,557.11
1/4	277.31	1/4	630.14	1/4	996.68	1/4	1,363.49	1/4	1,730.41	1/4	2,097.34	1/4	2,464.27	1/4	2,831.19	1/4	3,198.01	1/4	3,564.75
1/2	284.18	1/2	637.78	1/2	1,004.31	1/2	1,371.13	1/2	1,738.06	1/2	2,104.98	1/2	2,471.91	1/2	2,838.84	1/2	3,205.65	1/2	3,572.39
3/4	291.06	3/4	645.42	3/4	1,011.94	3/4	1,378.78	3/4	1,745.70	3/4	2,112.63	3/4	2,479.56	3/4	2,846.48	3/4	3,213.29	3/4	3,580.03
11	297.93	11	653.07	11	1,019.57	11	1,386.42	11	1,753.35	11	2,120.27	11	2,487.20	11	2,854.13	11	3,220.93	11	3,587.67
1/4	304.89	1/4	660.71	1/4	1,027.21	1/4	1,394.07	1/4	1,760.99	1/4	2,127.92	1/4	2,494.84	1/4	2,861.77	1/4	3,228.57	1/4	3,595.31
1/2	311.85	1/2	668.36	1/2	1,034.84	1/2	1,401.71	1/2	1,768.64	1/2	2,135.56	1/2	2,502.49	1/2	2,869.41	1/2	3,236.21	1/2	3,602.95
3/4	318.82	3/4	676.00	3/4	1,042.48	3/4	1,409.35	3/4	1,776.28	3/4	2,143.21	3/4	2,510.13	3/4	2,877.06	3/4	3,243.85	3/4	3,610.59

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER OPENING ON "HERMETIC" CLOSED GAUGING VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "CTCo 315"

**1 STBD
INNAGE 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	3,618.23	0	3,984.96	0	4,348.86	0	4,694.04	0	5,027.48	0		0		0		0		0	
1/4	3,625.87	1/4	3,992.60	1/4	4,356.26	1/4	4,701.00	1/4	5,035.06	1/4		1/4		1/4		1/4		1/4	
1/2	3,633.51	1/2	4,000.24	1/2	4,363.66	1/2	4,707.96	1/2	5,042.64	1/2		1/2		1/2		1/2		1/2	
3/4	3,641.15	3/4	4,007.88	3/4	4,371.06	3/4	4,714.91	3/4	5,050.23	3/4		3/4		3/4		3/4		3/4	
1	3,648.79	1	4,015.52	1	4,378.46	1	4,721.87	1	5,057.81	1		1		1		1		1	
1/4	3,656.43	1/4	4,023.16	1/4	4,385.82	1/4	4,728.78	1/4	5,065.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,664.07	1/2	4,030.80	1/2	4,393.19	1/2	4,735.68	1/2	5,072.21	1/2		1/2		1/2		1/2		1/2	
3/4	3,671.71	3/4	4,038.44	3/4	4,400.56	3/4	4,742.58	3/4	5,079.41	3/4		3/4		3/4		3/4		3/4	
2	3,679.35	2	4,046.09	2	4,407.92	2	4,749.49	2	5,086.61	2		2		2		2		2	
1/4	3,686.99	1/4	4,053.73	1/4	4,415.25	1/4	4,756.34	1/4	5,092.66	1/4		1/4		1/4		1/4		1/4	
1/2	3,694.63	1/2	4,061.37	1/2	4,422.57	1/2	4,763.19	1/2	5,098.71	1/2		1/2		1/2		1/2		1/2	
3/4	3,702.27	3/4	4,069.01	3/4	4,429.89	3/4	4,770.04	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,709.91	3	4,076.65	3	4,437.21	3	4,776.89	3		3		3		3		3		3	
1/4	3,717.55	1/4	4,084.29	1/4	4,444.49	1/4	4,783.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,725.19	1/2	4,091.93	1/2	4,451.76	1/2	4,790.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,732.83	3/4	4,099.57	3/4	4,459.03	3/4	4,797.34	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,740.47	4	4,107.21	4	4,466.31	4	4,804.15	4		4		4		4		4		4	
1/4	3,748.11	1/4	4,114.85	1/4	4,473.54	1/4	4,810.93	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,755.75	1/2	4,122.49	1/2	4,480.78	1/2	4,817.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,763.39	3/4	4,130.13	3/4	4,488.01	3/4	4,824.50	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,771.03	5	4,137.77	5	4,495.25	5	4,831.28	5		5		5		5		5		5	
1/4	3,778.67	1/4	4,145.40	1/4	4,502.45	1/4	4,838.03	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,786.31	1/2	4,153.03	1/2	4,509.65	1/2	4,844.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,793.96	3/4	4,160.67	3/4	4,516.85	3/4	4,851.53	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,801.60	6	4,168.30	6	4,524.05	6	4,858.28	6		6		6		6		6		6	
1/4	3,809.24	1/4	4,175.91	1/4	4,531.22	1/4	4,864.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,816.88	1/2	4,183.52	1/2	4,538.39	1/2	4,871.70	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,824.52	3/4	4,191.13	3/4	4,545.56	3/4	4,878.41	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,832.16	7	4,198.74	7	4,552.73	7	4,885.12	7		7		7		7		7		7	
1/4	3,839.80	1/4	4,206.32	1/4	4,559.86	1/4	4,891.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,847.44	1/2	4,213.90	1/2	4,566.99	1/2	4,898.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,855.08	3/4	4,221.48	3/4	4,574.13	3/4	4,905.15	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,862.72	8	4,229.05	8	4,581.26	8	4,911.82	8		8		8		8		8		8	
1/4	3,870.36	1/4	4,236.60	1/4	4,588.36	1/4	4,918.47	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,878.00	1/2	4,244.14	1/2	4,595.46	1/2	4,925.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,885.64	3/4	4,251.68	3/4	4,602.56	3/4	4,931.75	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,893.28	9	4,259.23	9	4,609.66	9	4,938.40	9		9		9		9		9		9	
1/4	3,900.92	1/4	4,266.73	1/4	4,616.73	1/4	4,945.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,908.56	1/2	4,274.24	1/2	4,623.80	1/2	4,952.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,916.20	3/4	4,281.75	3/4	4,630.86	3/4	4,959.71	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,923.84	10	4,289.25	10	4,637.93	10	4,966.82	10		10		10		10		10		10	
1/4	3,931.48	1/4	4,296.72	1/4	4,644.96	1/4	4,974.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,939.12	1/2	4,304.19	1/2	4,652.00	1/2	4,981.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,946.76	3/4	4,311.65	3/4	4,659.03	3/4	4,989.56	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,954.40	11	4,319.12	11	4,666.06	11	4,997.15	11		11		11		11		11		11	
1/4	3,962.04	1/4	4,326.55	1/4	4,673.06	1/4	5,004.73	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,969.68	1/2	4,333.99	1/2	4,680.05	1/2	5,012.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,977.32	3/4	4,341.42	3/4	4,687.05	3/4	5,019.89	3/4		3/4		3/4		3/4		3/4		3/4	

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CTCo 315"

2 PORT INNAGE 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	23.73	0	359.58	0	704.61	0	1,039.30	0	1,380.29	0	1,725.33	0	2,070.38	0	2,415.42	0	2,760.46	0	3,105.35
1/4	29.12	1/4	366.77	1/4	711.80	1/4	1,046.19	1/4	1,387.48	1/4	1,732.52	1/4	2,077.56	1/4	2,422.61	1/4	2,767.65	1/4	3,112.53
1/2	34.51	1/2	373.96	1/2	718.98	1/2	1,053.08	1/2	1,394.67	1/2	1,739.71	1/2	2,084.75	1/2	2,429.80	1/2	2,774.84	1/2	3,119.71
3/4	39.90	3/4	381.14	3/4	726.17	3/4	1,059.97	3/4	1,401.86	3/4	1,746.90	3/4	2,091.94	3/4	2,436.98	3/4	2,782.03	3/4	3,126.90
1	45.29	1	388.33	1	733.36	1	1,066.86	1	1,409.04	1	1,754.09	1	2,099.13	1	2,444.17	1	2,819.22	1	3,134.08
1/4	52.01	1/4	395.52	1/4	740.55	1/4	1,073.76	1/4	1,416.23	1/4	1,761.28	1/4	2,106.32	1/4	2,451.36	1/4	2,796.40	1/4	3,141.27
1/2	58.73	1/2	402.71	1/2	747.74	1/2	1,080.66	1/2	1,423.42	1/2	1,768.46	1/2	2,113.51	1/2	2,458.55	1/2	2,803.59	1/2	3,148.45
3/4	65.45	3/4	409.90	3/4	754.93	3/4	1,087.56	3/4	1,430.61	3/4	1,775.65	3/4	2,120.70	3/4	2,465.74	3/4	2,810.78	3/4	3,155.64
2	72.17	2	417.08	2	762.11	2	1,094.46	2	1,437.80	2	1,782.84	2	2,127.88	2	2,472.93	2	2,817.97	2	3,162.82
1/4	79.34	1/4	424.27	1/4	769.30	1/4	1,101.36	1/4	1,444.99	1/4	1,790.03	1/4	2,135.07	1/4	2,480.12	1/4	2,825.16	1/4	3,170.00
1/2	86.50	1/2	431.46	1/2	776.49	1/2	1,108.27	1/2	1,452.17	1/2	1,797.22	1/2	2,142.26	1/2	2,487.30	1/2	2,832.35	1/2	3,177.19
3/4	93.67	3/4	438.65	3/4	783.68	3/4	1,115.17	3/4	1,459.36	3/4	1,804.41	3/4	2,149.45	3/4	2,494.49	3/4	2,839.54	3/4	3,184.37
3	100.83	3	445.84	3	790.87	3	1,122.08	3	1,466.55	3	1,811.59	3	2,156.64	3	2,501.68	3	2,846.72	3	3,191.56
1/4	108.02	1/4	453.03	1/4	797.90	1/4	1,129.12	1/4	1,473.74	1/4	1,818.78	1/4	2,163.83	1/4	2,508.87	1/4	2,853.90	1/4	3,198.74
1/2	115.20	1/2	460.21	1/2	804.94	1/2	1,136.17	1/2	1,480.93	1/2	1,825.97	1/2	2,171.01	1/2	2,516.06	1/2	2,861.09	1/2	3,205.93
3/4	122.38	3/4	467.40	3/4	811.97	3/4	1,143.21	3/4	1,488.12	3/4	1,833.16	3/4	2,178.20	3/4	2,523.25	3/4	2,868.27	3/4	3,213.11
4	129.56	4	474.59	4	819.01	4	1,150.26	4	1,495.30	4	1,840.35	4	2,185.39	4	2,530.43	4	2,875.45	4	3,220.29
1/4	136.75	1/4	481.78	1/4	825.89	1/4	1,157.45	1/4	1,502.49	1/4	1,847.54	1/4	2,192.58	1/4	2,537.62	1/4	2,882.63	1/4	3,227.48
1/2	143.94	1/2	488.97	1/2	832.78	1/2	1,164.64	1/2	1,509.68	1/2	1,854.72	1/2	2,199.77	1/2	2,544.81	1/2	2,889.82	1/2	3,234.66
3/4	151.13	3/4	496.15	3/4	839.66	3/4	1,171.83	3/4	1,516.87	3/4	1,861.91	3/4	2,206.96	3/4	2,552.00	3/4	2,897.00	3/4	3,241.85
5	158.31	5	503.34	5	846.54	5	1,179.01	5	1,524.06	5	1,869.10	5	2,214.14	5	2,559.19	5	2,904.19	5	3,249.03
1/4	165.50	1/4	510.53	1/4	853.43	1/4	1,186.20	1/4	1,531.25	1/4	1,876.29	1/4	2,221.33	1/4	2,566.38	1/4	2,911.37	1/4	3,256.22
1/2	172.69	1/2	517.72	1/2	860.31	1/2	1,193.39	1/2	1,538.43	1/2	1,883.48	1/2	2,228.52	1/2	2,573.56	1/2	2,918.55	1/2	3,263.40
3/4	179.88	3/4	524.91	3/4	867.19	3/4	1,200.58	3/4	1,545.62	3/4	1,890.67	3/4	2,235.71	3/4	2,580.75	3/4	2,925.74	3/4	3,270.58
6	187.07	6	532.09	6	874.08	6	1,207.77	6	1,552.81	6	1,897.85	6	2,242.90	6	2,587.94	6	2,932.92	6	3,277.77
1/4	194.25	1/4	539.28	1/4	880.96	1/4	1,214.96	1/4	1,560.00	1/4	1,905.04	1/4	2,250.09	1/4	2,595.13	1/4	2,940.11	1/4	3,284.95
1/2	201.44	1/2	546.47	1/2	887.84	1/2	1,222.15	1/2	1,567.19	1/2	1,912.23	1/2	2,257.27	1/2	2,602.32	1/2	2,947.29	1/2	3,292.14
3/4	208.63	3/4	553.66	3/4	894.73	3/4	1,229.33	3/4	1,574.38	3/4	1,919.42	3/4	2,264.46	3/4	2,609.51	3/4	2,954.48	3/4	3,299.32
7	215.82	7	560.85	7	901.61	7	1,236.52	7	1,581.57	7	1,926.61	7	2,271.65	7	2,616.69	7	2,961.66	7	3,306.51
1/4	223.01	1/4	568.03	1/4	908.50	1/4	1,243.71	1/4	1,588.75	1/4	1,933.80	1/4	2,278.84	1/4	2,623.88	1/4	2,968.84	1/4	3,313.69
1/2	230.19	1/2	575.22	1/2	915.38	1/2	1,250.90	1/2	1,595.94	1/2	1,940.99	1/2	2,286.03	1/2	2,631.07	1/2	2,976.03	1/2	3,320.87
3/4	237.38	3/4	582.41	3/4	922.26	3/4	1,258.09	3/4	1,603.13	3/4	1,948.17	3/4	2,293.22	3/4	2,638.26	3/4	2,983.21	3/4	3,328.06
8	244.57	8	589.60	8	929.15	8	1,265.28	8	1,610.32	8	1,955.36	8	2,300.41	8	2,645.45	8	2,990.40	8	3,335.24
1/4	251.76	1/4	596.79	1/4	936.03	1/4	1,272.46	1/4	1,617.51	1/4	1,962.55	1/4	2,307.59	1/4	2,652.64	1/4	2,997.58	1/4	3,342.43
1/2	258.95	1/2	603.98	1/2	942.91	1/2	1,279.65	1/2	1,624.70	1/2	1,969.74	1/2	2,314.78	1/2	2,659.83	1/2	3,004.77	1/2	3,349.61
3/4	266.13	3/4	611.16	3/4	949.80	3/4	1,286.84	3/4	1,631.88	3/4	1,976.93	3/4	2,321.97	3/4	2,667.01	3/4	3,011.95	3/4	3,356.80
9	273.32	9	618.35	9	956.68	9	1,294.03	9	1,639.07	9	1,984.12	9	2,329.16	9	2,674.20	9	3,019.13	9	3,363.98
1/4	280.51	1/4	625.54	1/4	963.57	1/4	1,301.22	1/4	1,646.26	1/4	1,991.30	1/4	2,336.35	1/4	2,681.39	1/4	3,026.32	1/4	3,371.16
1/2	287.70	1/2	632.73	1/2	970.45	1/2	1,308.41	1/2	1,653.45	1/2	1,998.49	1/2	2,343.54	1/2	2,688.58	1/2	3,033.50	1/2	3,378.35
3/4	294.89	3/4	639.92	3/4	977.33	3/4	1,315.59	3/4	1,660.64	3/4	2,005.68	3/4	2,350.72	3/4	2,695.77	3/4	3,040.69	3/4	3,385.53
10	302.08	10	647.10	10	984.22	10	1,322.78	10	1,667.83	10	2,012.87	10	2,357.91	10	2,702.96	10	3,047.87	10	3,392.72
1/4	309.26	1/4	654.29	1/4	991.10	1/4	1,329.97	1/4	1,675.01	1/4	2,020.06	1/4	2,365.10	1/4	2,710.14	1/4	3,055.06	1/4	3,399.90
1/2	316.45	1/2	661.48	1/2	997.98	1/2	1,337.16	1/2	1,682.20	1/2	2,027.25	1/2	2,372.29	1/2	2,717.33	1/2	3,062.24	1/2	3,407.09
3/4	323.64	3/4	668.67	3/4	1,004.87	3/4	1,344.35	3/4	1,689.39	3/4	2,034.43	3/4	2,379.48	3/4	2,724.52	3/4	3,069.42	3/4	3,414.27
11	330.83	11	675.86	11	1,011.75	11	1,351.54	11	1,696.58	11	2,041.62	11	2,386.67	11	2,731.71	11	3,076.61	11	3,421.45
1/4	338.02	1/4	683.04	1/4	1,018.64	1/4	1,358.72	1/4	1,703.77	1/4	2,048.81	1/4	2,393.85	1/4	2,738.90	1/4	3,083.79	1/4	3,428.64
1/2	345.20	1/2	690.23	1/2	1,025.53	1/2	1,365.91	1/2	1,710.96	1/2	2,056.00	1/2	2,401.04	1/2	2,746.09	1/2	3,090.98	1/2	3,435.82
3/4	352.39	3/4	697.42	3/4	1,032.41	3/4	1,373.10	3/4	1,718.14	3/4	2,063.19	3/4	2,408.23	3/4	2,753.27	3/4	3,098.16	3/4	3,443.01

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE 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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CTCo 315"

2 PORT INNAGE 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	3,450.19	0	3,795.04	0	4,137.21	0	4,461.75	0	4,775.12	0		0		0		0		0	
1/4	3,457.38	1/4	3,802.22	1/4	4,144.17	1/4	4,468.29	1/4	4,782.24	1/4		1/4		1/4		1/4		1/4	
1/2	3,464.56	1/2	3,809.41	1/2	4,151.13	1/2	4,474.83	1/2	4,789.37	1/2		1/2		1/2		1/2		1/2	
3/4	3,471.74	3/4	3,816.59	3/4	4,158.09	3/4	4,481.37	3/4	4,796.50	3/4		3/4		3/4		3/4		3/4	
1	3,478.93	1	3,823.78	1	4,165.05	1	4,487.91	1	4,803.62	1		1		1		1		1	
1/4	3,486.11	1/4	3,830.96	1/4	4,171.98	1/4	4,494.40	1/4	4,810.39	1/4		1/4		1/4		1/4		1/4	
1/2	3,493.30	1/2	3,838.14	1/2	4,178.90	1/2	4,500.89	1/2	4,817.16	1/2		1/2		1/2		1/2		1/2	
3/4	3,500.48	3/4	3,845.33	3/4	4,185.83	3/4	4,507.38	3/4	4,823.93	3/4		3/4		3/4		3/4		3/4	
2	3,507.67	2	3,852.51	2	4,192.76	2	4,513.86	2	4,830.69	2		2		2		2		2	
1/4	3,514.85	1/4	3,859.70	1/4	4,199.64	1/4	4,520.30	1/4	4,836.38	1/4		1/4		1/4		1/4		1/4	
1/2	3,522.03	1/2	3,866.88	1/2	4,206.53	1/2	4,526.74	1/2	4,842.07	1/2		1/2		1/2		1/2		1/2	
3/4	3,529.22	3/4	3,874.07	3/4	4,213.41	3/4	4,533.18	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,536.40	3	3,881.25	3	4,220.29	3	4,539.61	3		3		3		3		3		3	
1/4	3,543.59	1/4	3,888.43	1/4	4,227.13	1/4	4,546.02	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,550.77	1/2	3,895.62	1/2	4,233.97	1/2	4,552.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,557.96	3/4	3,902.80	3/4	4,240.81	3/4	4,558.83	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,565.14	4	3,909.99	4	4,247.65	4	4,565.24	4		4		4		4		4		4	
1/4	3,572.32	1/4	3,917.17	1/4	4,254.45	1/4	4,571.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,579.51	1/2	3,924.36	1/2	4,261.25	1/2	4,577.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,586.69	3/4	3,931.54	3/4	4,268.05	3/4	4,584.36	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,593.88	5	3,938.72	5	4,274.85	5	4,590.73	5		5		5		5		5		5	
1/4	3,601.06	1/4	3,945.90	1/4	4,281.62	1/4	4,597.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,608.25	1/2	3,953.08	1/2	4,288.40	1/2	4,603.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,615.43	3/4	3,960.26	3/4	4,295.17	3/4	4,609.76	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,622.62	6	3,967.44	6	4,301.94	6	4,616.10	6		6		6		6		6		6	
1/4	3,629.80	1/4	3,974.59	1/4	4,308.67	1/4	4,622.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,636.98	1/2	3,981.75	1/2	4,315.41	1/2	4,628.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,644.17	3/4	3,988.91	3/4	4,322.15	3/4	4,635.02	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,651.35	7	3,996.06	7	4,328.89	7	4,641.33	7		7		7		7		7		7	
1/4	3,658.54	1/4	4,003.19	1/4	4,335.60	1/4	4,647.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,665.72	1/2	4,010.31	1/2	4,342.30	1/2	4,653.87	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,672.91	3/4	4,017.44	3/4	4,349.01	3/4	4,660.15	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,680.09	8	4,024.56	8	4,355.72	8	4,666.42	8		8		8		8		8		8	
1/4	3,687.27	1/4	4,031.66	1/4	4,362.39	1/4	4,672.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,694.46	1/2	4,038.75	1/2	4,369.07	1/2	4,678.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,701.64	3/4	4,045.84	3/4	4,375.74	3/4	4,685.15	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,708.83	9	4,052.94	9	4,382.42	9	4,691.39	9		9		9		9		9		9	
1/4	3,716.01	1/4	4,059.99	1/4	4,389.06	1/4	4,698.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,723.20	1/2	4,067.05	1/2	4,395.71	1/2	4,704.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,730.38	3/4	4,074.11	3/4	4,402.35	3/4	4,711.42	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,737.56	10	4,081.17	10	4,408.99	10	4,718.10	10		10		10		10		10		10	
1/4	3,744.75	1/4	4,088.19	1/4	4,415.61	1/4	4,725.23	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,751.93	1/2	4,095.21	1/2	4,422.22	1/2	4,732.35	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,759.12	3/4	4,102.23	3/4	4,428.83	3/4	4,739.48	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,766.30	11	4,109.25	11	4,435.44	11	4,746.61	11		11		11		11		11		11	
1/4	3,773.49	1/4	4,116.24	1/4	4,442.02	1/4	4,753.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,780.67	1/2	4,123.23	1/2	4,448.59	1/2	4,760.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,787.85	3/4	4,130.22	3/4	4,455.17	3/4	4,767.99	3/4		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
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BARGE "CTCo 315"

2 STBD

INNAGE 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	23.72	0	359.49	0	704.43	0	1,048.95	0	1,393.88	0	1,738.83	0	2,083.79	0	2,428.75	0	2,773.70	0	3,118.50
1/4	29.11	1/4	366.68	1/4	711.62	1/4	1,056.13	1/4	1,401.06	1/4	1,746.02	1/4	2,090.98	1/4	2,435.93	1/4	2,780.89	1/4	3,125.68
1/2	34.50	1/2	373.86	1/2	718.80	1/2	1,063.32	1/2	1,408.25	1/2	1,753.21	1/2	2,098.16	1/2	2,443.12	1/2	2,788.08	1/2	3,132.86
3/4	39.89	3/4	381.05	3/4	725.99	3/4	1,070.50	3/4	1,415.44	3/4	1,760.39	3/4	2,105.35	3/4	2,450.31	3/4	2,795.26	3/4	3,140.05
1	45.28	1	388.24	1	733.18	1	1,077.68	1	1,422.62	1	1,767.58	1	2,112.54	1	2,457.49	1	2,802.45	1	3,147.23
1/4	52.00	1/4	395.42	1/4	740.36	1/4	1,084.86	1/4	1,429.81	1/4	1,774.77	1/4	2,119.72	1/4	2,464.68	1/4	2,809.64	1/4	3,154.41
1/2	58.72	1/2	402.61	1/2	747.55	1/2	1,092.04	1/2	1,437.00	1/2	1,781.95	1/2	2,126.91	1/2	2,471.87	1/2	2,816.82	1/2	3,161.59
3/4	65.43	3/4	409.79	3/4	754.74	3/4	1,099.23	3/4	1,444.18	3/4	1,789.14	3/4	2,134.10	3/4	2,479.05	3/4	2,824.01	3/4	3,168.78
2	72.15	2	416.98	2	761.92	2	1,106.41	2	1,451.37	2	1,796.33	2	2,141.28	2	2,486.24	2	2,831.20	2	3,175.96
1/4	79.32	1/4	424.17	1/4	769.11	1/4	1,113.60	1/4	1,458.56	1/4	1,803.51	1/4	2,148.47	1/4	2,493.43	1/4	2,838.38	1/4	3,183.14
1/2	86.48	1/2	431.35	1/2	776.30	1/2	1,120.79	1/2	1,465.74	1/2	1,810.70	1/2	2,155.66	1/2	2,500.61	1/2	2,845.57	1/2	3,190.32
3/4	93.65	3/4	438.54	3/4	783.48	3/4	1,127.97	3/4	1,472.93	3/4	1,817.89	3/4	2,162.84	3/4	2,507.80	3/4	2,852.76	3/4	3,197.51
3	100.81	3	445.73	3	790.67	3	1,135.16	3	1,480.12	3	1,825.07	3	2,170.03	3	2,514.99	3	2,859.94	3	3,204.69
1/4	107.99	1/4	452.91	1/4	797.85	1/4	1,142.35	1/4	1,487.30	1/4	1,832.26	1/4	2,177.22	1/4	2,522.17	1/4	2,867.12	1/4	3,211.87
1/2	115.17	1/2	460.10	1/2	805.03	1/2	1,149.53	1/2	1,494.49	1/2	1,839.45	1/2	2,184.40	1/2	2,529.36	1/2	2,874.30	1/2	3,219.05
3/4	122.35	3/4	467.28	3/4	812.21	3/4	1,156.72	3/4	1,501.68	3/4	1,846.63	3/4	2,191.59	3/4	2,536.55	3/4	2,881.48	3/4	3,226.24
4	129.53	4	474.47	4	819.39	4	1,163.90	4	1,508.86	4	1,853.82	4	2,198.78	4	2,543.73	4	2,888.66	4	3,233.42
1/4	136.72	1/4	481.66	1/4	826.56	1/4	1,171.09	1/4	1,516.05	1/4	1,861.01	1/4	2,205.96	1/4	2,550.92	1/4	2,895.84	1/4	3,240.60
1/2	143.90	1/2	488.84	1/2	833.73	1/2	1,178.28	1/2	1,523.23	1/2	1,868.19	1/2	2,213.15	1/2	2,558.11	1/2	2,903.02	1/2	3,247.78
3/4	151.09	3/4	496.03	3/4	840.91	3/4	1,185.46	3/4	1,530.42	3/4	1,875.38	3/4	2,220.34	3/4	2,565.29	3/4	2,910.21	3/4	3,254.97
5	158.27	5	503.22	5	848.08	5	1,192.65	5	1,537.61	5	1,882.56	5	2,227.52	5	2,572.48	5	2,917.39	5	3,262.15
1/4	165.46	1/4	510.40	1/4	855.25	1/4	1,199.84	1/4	1,544.79	1/4	1,889.75	1/4	2,234.71	1/4	2,579.67	1/4	2,924.57	1/4	3,269.33
1/2	172.65	1/2	517.59	1/2	862.43	1/2	1,207.02	1/2	1,551.98	1/2	1,896.94	1/2	2,241.89	1/2	2,586.85	1/2	2,931.75	1/2	3,276.51
3/4	179.83	3/4	524.77	3/4	869.60	3/4	1,214.21	3/4	1,559.17	3/4	1,904.12	3/4	2,249.08	3/4	2,594.04	3/4	2,938.94	3/4	3,283.70
6	187.02	6	531.96	6	876.77	6	1,221.40	6	1,566.35	6	1,911.31	6	2,256.27	6	2,601.22	6	2,946.12	6	3,290.88
1/4	194.21	1/4	539.15	1/4	883.95	1/4	1,228.58	1/4	1,573.54	1/4	1,918.50	1/4	2,263.45	1/4	2,608.41	1/4	2,953.30	1/4	3,298.06
1/2	201.39	1/2	546.33	1/2	891.12	1/2	1,235.77	1/2	1,580.73	1/2	1,925.68	1/2	2,270.64	1/2	2,615.60	1/2	2,960.48	1/2	3,305.24
3/4	208.58	3/4	553.52	3/4	898.29	3/4	1,242.96	3/4	1,587.91	3/4	1,932.87	3/4	2,277.83	3/4	2,622.78	3/4	2,967.67	3/4	3,312.43
7	215.76	7	560.71	7	905.47	7	1,250.14	7	1,595.10	7	1,940.06	7	2,285.01	7	2,629.97	7	2,974.85	7	3,319.61
1/4	222.95	1/4	567.89	1/4	912.64	1/4	1,257.33	1/4	1,602.29	1/4	1,947.24	1/4	2,292.20	1/4	2,637.16	1/4	2,982.03	1/4	3,326.79
1/2	230.14	1/2	575.08	1/2	919.81	1/2	1,264.52	1/2	1,609.47	1/2	1,954.43	1/2	2,299.39	1/2	2,644.34	1/2	2,989.21	1/2	3,333.97
3/4	237.32	3/4	582.27	3/4	926.99	3/4	1,271.70	3/4	1,616.66	3/4	1,961.62	3/4	2,306.57	3/4	2,651.53	3/4	2,996.40	3/4	3,341.16
8	244.51	8	589.45	8	934.16	8	1,278.89	8	1,623.85	8	1,968.80	8	2,313.76	8	2,658.72	8	3,003.58	8	3,348.34
1/4	251.70	1/4	596.64	1/4	941.34	1/4	1,286.08	1/4	1,631.03	1/4	1,975.99	1/4	2,320.95	1/4	2,665.90	1/4	3,010.76	1/4	3,355.52
1/2	258.88	1/2	603.82	1/2	948.51	1/2	1,293.26	1/2	1,638.22	1/2	1,983.18	1/2	2,328.13	1/2	2,673.09	1/2	3,017.94	1/2	3,362.70
3/4	266.07	3/4	611.01	3/4	955.68	3/4	1,300.45	3/4	1,645.41	3/4	1,990.36	3/4	2,335.32	3/4	2,680.28	3/4	3,025.13	3/4	3,369.89
9	273.25	9	618.20	9	962.86	9	1,307.64	9	1,652.59	9	1,997.55	9	2,342.51	9	2,687.46	9	3,032.31	9	3,377.07
1/4	280.44	1/4	625.38	1/4	970.03	1/4	1,314.82	1/4	1,659.78	1/4	2,004.74	1/4	2,349.69	1/4	2,694.65	1/4	3,039.49	1/4	3,384.25
1/2	287.63	1/2	632.57	1/2	977.20	1/2	1,322.01	1/2	1,666.97	1/2	2,011.92	1/2	2,356.88	1/2	2,701.84	1/2	3,046.67	1/2	3,391.43
3/4	294.81	3/4	639.76	3/4	984.38	3/4	1,329.20	3/4	1,674.15	3/4	2,019.11	3/4	2,364.07	3/4	2,709.02	3/4	3,053.86	3/4	3,398.62
10	302.00	10	646.94	10	991.55	10	1,336.38	10	1,681.34	10	2,026.30	10	2,371.25	10	2,716.21	10	3,061.04	10	3,405.80
1/4	309.19	1/4	654.13	1/4	998.72	1/4	1,343.57	1/4	1,688.53	1/4	2,033.48	1/4	2,378.44	1/4	2,723.40	1/4	3,068.22	1/4	3,412.98
1/2	316.37	1/2	661.31	1/2	1,005.90	1/2	1,350.76	1/2	1,695.71	1/2	2,040.67	1/2	2,385.63	1/2	2,730.58	1/2	3,075.40	1/2	3,420.16
3/4	323.56	3/4	668.50	3/4	1,013.07	3/4	1,357.94	3/4	1,702.90	3/4	2,047.86	3/4	2,392.81	3/4	2,737.77	3/4	3,082.59	3/4	3,427.35
11	330.74	11	675.69	11	1,020.24	11	1,365.13	11	1,710.09	11	2,055.04	11	2,400.00	11	2,744.96	11	3,089.77	11	3,434.53
1/4	337.93	1/4	682.87	1/4	1,027.42	1/4	1,372.32	1/4	1,717.27	1/4	2,062.23	1/4	2,407.19	1/4	2,752.14	1/4	3,096.95	1/4	3,441.71
1/2	345.12	1/2	690.06	1/2	1,034.60	1/2	1,379.50	1/2	1,724.46	1/2	2,069.42	1/2	2,414.37	1/2	2,759.33	1/2	3,104.13	1/2	3,448.89
3/4	352.30	3/4	697.25	3/4	1,041.78	3/4	1,386.69	3/4	1,731.65	3/4	2,076.60	3/4	2,421.56	3/4	2,766.52	3/4	3,111.32	3/4	3,456.08

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER OPENING ON "HERMETIC" CLOSED GAUGING VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTCo 315"

2 STBD INNAGE 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	3,463.26	0	3,808.02	0	4,150.11	0	4,474.56	0	4,787.85	0		0		0		0		0	
1/4	3,470.44	1/4	3,815.20	1/4	4,157.06	1/4	4,481.10	1/4	4,794.97	1/4		1/4		1/4		1/4		1/4	
1/2	3,477.62	1/2	3,822.38	1/2	4,164.02	1/2	4,487.64	1/2	4,802.10	1/2		1/2		1/2		1/2		1/2	
3/4	3,484.81	3/4	3,829.57	3/4	4,170.98	3/4	4,494.18	3/4	4,809.22	3/4		3/4		3/4		3/4		3/4	
1	3,491.99	1	3,836.75	1	4,177.94	1	4,500.71	1	4,816.35	1		1		1		1		1	
1/4	3,499.17	1/4	3,843.93	1/4	4,184.86	1/4	4,507.20	1/4	4,823.11	1/4		1/4		1/4		1/4		1/4	
1/2	3,506.35	1/2	3,851.11	1/2	4,191.79	1/2	4,513.69	1/2	4,829.88	1/2		1/2		1/2		1/2		1/2	
3/4	3,513.54	3/4	3,858.30	3/4	4,198.71	3/4	4,520.18	3/4	4,836.65	3/4		3/4		3/4		3/4		3/4	
2	3,520.72	2	3,865.48	2	4,205.64	2	4,526.66	2	4,843.41	2		2		2		2		2	
1/4	3,527.90	1/4	3,872.66	1/4	4,212.52	1/4	4,533.10	1/4	4,849.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,535.08	1/2	3,879.84	1/2	4,219.40	1/2	4,539.53	1/2	4,854.79	1/2		1/2		1/2		1/2		1/2	
3/4	3,542.27	3/4	3,887.03	3/4	4,226.28	3/4	4,545.97	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,549.45	3	3,894.21	3	4,233.17	3	4,552.41	3		3		3		3		3		3	
1/4	3,556.63	1/4	3,901.39	1/4	4,240.00	1/4	4,558.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,563.81	1/2	3,908.57	1/2	4,246.84	1/2	4,565.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,571.00	3/4	3,915.76	3/4	4,253.67	3/4	4,571.62	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,578.18	4	3,922.94	4	4,260.51	4	4,578.02	4		4		4		4		4		4	
1/4	3,585.36	1/4	3,930.12	1/4	4,267.31	1/4	4,584.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,592.54	1/2	3,937.30	1/2	4,274.11	1/2	4,590.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,599.73	3/4	3,944.49	3/4	4,280.91	3/4	4,597.14	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,606.91	5	3,951.67	5	4,287.71	5	4,603.51	5		5		5		5		5		5	
1/4	3,614.09	1/4	3,958.84	1/4	4,294.48	1/4	4,609.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,621.27	1/2	3,966.02	1/2	4,301.25	1/2	4,616.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,628.46	3/4	3,973.20	3/4	4,308.02	3/4	4,622.53	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,635.64	6	3,980.37	6	4,314.79	6	4,628.87	6		6		6		6		6		6	
1/4	3,642.82	1/4	3,987.53	1/4	4,321.52	1/4	4,635.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,650.00	1/2	3,994.68	1/2	4,328.26	1/2	4,641.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,657.19	3/4	4,001.84	3/4	4,335.00	3/4	4,647.79	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,664.37	7	4,008.99	7	4,341.74	7	4,654.09	7		7		7		7		7		7	
1/4	3,671.55	1/4	4,016.11	1/4	4,348.44	1/4	4,660.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,678.73	1/2	4,023.24	1/2	4,355.15	1/2	4,666.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,685.92	3/4	4,030.36	3/4	4,361.85	3/4	4,672.91	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,693.10	8	4,037.48	8	4,368.56	8	4,679.18	8		8		8		8		8		8	
1/4	3,700.28	1/4	4,044.58	1/4	4,375.23	1/4	4,685.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,707.46	1/2	4,051.67	1/2	4,381.90	1/2	4,691.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,714.65	3/4	4,058.76	3/4	4,388.58	3/4	4,697.90	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,721.83	9	4,065.85	9	4,395.25	9	4,704.15	9		9		9		9		9		9	
1/4	3,729.01	1/4	4,072.91	1/4	4,401.89	1/4	4,710.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,736.19	1/2	4,079.96	1/2	4,408.53	1/2	4,717.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,743.38	3/4	4,087.02	3/4	4,415.18	3/4	4,724.17	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,750.56	10	4,094.07	10	4,421.82	10	4,730.85	10		10		10		10		10		10	
1/4	3,757.74	1/4	4,101.09	1/4	4,428.43	1/4	4,737.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,764.92	1/2	4,108.11	1/2	4,435.04	1/2	4,745.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,772.11	3/4	4,115.13	3/4	4,441.65	3/4	4,752.22	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,779.29	11	4,122.15	11	4,448.26	11	4,759.35	11		11		11		11		11		11	
1/4	3,786.47	1/4	4,129.14	1/4	4,454.83	1/4	4,766.47	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,793.65	1/2	4,136.13	1/2	4,461.41	1/2	4,773.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,800.84	3/4	4,143.12	3/4	4,467.98	3/4	4,780.72	3/4		3/4		3/4		3/4		3/4		3/4	

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTCo 315"

3 PORT INNAGE 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	25.07	0	379.81	0	744.10	0	1,100.47	0	1,461.56	0	1,825.67	0	2,187.65	0	2,549.65	0	2,913.50	0	3,277.17
1/4	30.77	1/4	387.40	1/4	751.69	1/4	1,107.84	1/4	1,469.15	1/4	1,833.26	1/4	2,195.17	1/4	2,557.23	1/4	2,921.08	1/4	3,284.75
1/2	36.47	1/2	394.99	1/2	759.28	1/2	1,115.20	1/2	1,476.74	1/2	1,840.84	1/2	2,202.69	1/2	2,564.82	1/2	2,928.66	1/2	3,292.32
3/4	42.17	3/4	402.57	3/4	766.87	3/4	1,122.56	3/4	1,484.32	3/4	1,848.43	3/4	2,210.21	3/4	2,572.40	3/4	2,936.24	3/4	3,299.90
1	47.87	1	410.16	1	774.46	1	1,129.92	1	1,491.91	1	1,856.02	1	2,217.74	1	2,579.99	1	2,943.82	1	3,307.47
1/4	54.98	1/4	417.75	1/4	782.05	1/4	1,137.29	1/4	1,499.49	1/4	1,863.60	1/4	2,225.26	1/4	2,587.57	1/4	2,951.40	1/4	3,315.04
1/2	62.09	1/2	425.34	1/2	789.64	1/2	1,144.66	1/2	1,507.08	1/2	1,871.19	1/2	2,232.78	1/2	2,595.16	1/2	2,958.97	1/2	3,322.60
3/4	69.19	3/4	432.93	3/4	797.23	3/4	1,152.03	3/4	1,514.66	3/4	1,878.77	3/4	2,240.31	3/4	2,602.74	3/4	2,966.55	3/4	3,330.17
2	76.30	2	440.52	2	804.82	2	1,159.40	2	1,522.25	2	1,886.36	2	2,247.83	2	2,610.33	2	2,974.13	2	3,337.73
1/4	83.88	1/4	448.11	1/4	812.41	1/4	1,166.78	1/4	1,529.84	1/4	1,893.94	1/4	2,255.35	1/4	2,617.91	1/4	2,981.71	1/4	3,345.29
1/2	91.45	1/2	455.69	1/2	820.00	1/2	1,174.15	1/2	1,537.42	1/2	1,901.53	1/2	2,262.87	1/2	2,625.50	1/2	2,989.29	1/2	3,352.84
3/4	99.03	3/4	463.28	3/4	827.59	3/4	1,181.53	3/4	1,545.01	3/4	1,909.12	3/4	2,270.40	3/4	2,633.09	3/4	2,996.87	3/4	3,360.40
3	106.60	3	470.87	3	835.18	3	1,188.90	3	1,552.59	3	1,916.70	3	2,277.92	3	2,640.67	3	3,004.44	3	3,367.95
1/4	114.19	1/4	478.46	1/4	842.65	1/4	1,196.38	1/4	1,560.18	1/4	1,924.26	1/4	2,285.45	1/4	2,648.25	1/4	3,012.02	1/4	3,375.51
1/2	121.78	1/2	486.05	1/2	850.12	1/2	1,203.86	1/2	1,567.76	1/2	1,931.81	1/2	2,292.99	1/2	2,655.84	1/2	3,019.60	1/2	3,383.06
3/4	129.37	3/4	493.64	3/4	857.60	3/4	1,211.35	3/4	1,575.35	3/4	1,939.37	3/4	2,300.52	3/4	2,663.42	3/4	3,027.17	3/4	3,390.62
4	136.95	4	501.23	4	865.07	4	1,218.83	4	1,582.93	4	1,946.92	4	2,308.06	4	2,671.00	4	3,034.75	4	3,398.17
1/4	144.54	1/4	508.82	1/4	872.42	1/4	1,226.41	1/4	1,590.52	1/4	1,954.44	1/4	2,315.61	1/4	2,678.58	1/4	3,042.33	1/4	3,405.73
1/2	152.14	1/2	516.41	1/2	879.78	1/2	1,234.00	1/2	1,598.11	1/2	1,961.97	1/2	2,323.15	1/2	2,686.16	1/2	3,049.90	1/2	3,413.28
3/4	159.73	3/4	524.00	3/4	887.14	3/4	1,241.58	3/4	1,605.69	3/4	1,969.49	3/4	2,330.70	3/4	2,693.73	3/4	3,057.48	3/4	3,420.84
5	167.32	5	531.59	5	894.49	5	1,249.17	5	1,613.28	5	1,977.01	5	2,338.25	5	2,701.31	5	3,065.05	5	3,428.39
1/4	174.91	1/4	539.18	1/4	901.85	1/4	1,256.75	1/4	1,620.86	1/4	1,984.53	1/4	2,345.80	1/4	2,708.89	1/4	3,072.63	1/4	3,435.95
1/2	182.50	1/2	546.77	1/2	909.20	1/2	1,264.34	1/2	1,628.45	1/2	1,992.06	1/2	2,353.34	1/2	2,716.47	1/2	3,080.20	1/2	3,443.50
3/4	190.09	3/4	554.36	3/4	916.56	3/4	1,271.92	3/4	1,636.03	3/4	1,999.58	3/4	2,360.89	3/4	2,724.05	3/4	3,087.78	3/4	3,451.06
6	197.68	6	561.95	6	923.92	6	1,279.51	6	1,643.62	6	2,007.10	6	2,368.44	6	2,731.63	6	3,095.36	6	3,458.61
1/4	205.27	1/4	569.53	1/4	931.27	1/4	1,287.10	1/4	1,651.20	1/4	2,014.62	1/4	2,375.98	1/4	2,739.20	1/4	3,102.93	1/4	3,466.17
1/2	212.86	1/2	577.12	1/2	938.63	1/2	1,294.68	1/2	1,658.79	1/2	2,022.15	1/2	2,383.53	1/2	2,746.78	1/2	3,110.51	1/2	3,473.72
3/4	220.45	3/4	584.71	3/4	945.98	3/4	1,302.27	3/4	1,666.38	3/4	2,029.67	3/4	2,391.08	3/4	2,754.36	3/4	3,118.08	3/4	3,481.28
7	228.04	7	592.30	7	953.34	7	1,309.85	7	1,673.96	7	2,037.19	7	2,398.63	7	2,761.94	7	3,125.66	7	3,488.83
1/4	235.63	1/4	599.89	1/4	960.69	1/4	1,317.44	1/4	1,681.55	1/4	2,044.72	1/4	2,406.17	1/4	2,769.52	1/4	3,133.23	1/4	3,496.39
1/2	243.21	1/2	607.48	1/2	968.05	1/2	1,325.02	1/2	1,689.13	1/2	2,052.24	1/2	2,413.72	1/2	2,777.10	1/2	3,140.81	1/2	3,503.94
3/4	250.80	3/4	615.07	3/4	975.41	3/4	1,332.61	3/4	1,696.72	3/4	2,059.76	3/4	2,421.27	3/4	2,784.67	3/4	3,148.38	3/4	3,511.50
8	258.39	8	622.66	8	982.76	8	1,340.20	8	1,704.30	8	2,067.28	8	2,428.81	8	2,792.25	8	3,155.96	8	3,519.05
1/4	265.98	1/4	630.25	1/4	990.12	1/4	1,347.78	1/4	1,711.89	1/4	2,074.81	1/4	2,436.36	1/4	2,799.83	1/4	3,163.54	1/4	3,526.61
1/2	273.57	1/2	637.84	1/2	997.47	1/2	1,355.37	1/2	1,719.48	1/2	2,082.33	1/2	2,443.91	1/2	2,807.41	1/2	3,171.11	1/2	3,534.16
3/4	281.16	3/4	645.43	3/4	1,004.83	3/4	1,362.95	3/4	1,727.06	3/4	2,089.85	3/4	2,451.45	3/4	2,814.99	3/4	3,178.69	3/4	3,541.72
9	288.75	9	653.02	9	1,012.19	9	1,370.54	9	1,734.65	9	2,097.37	9	2,459.00	9	2,822.57	9	3,186.26	9	3,549.27
1/4	296.34	1/4	660.61	1/4	1,019.54	1/4	1,378.12	1/4	1,742.23	1/4	2,104.90	1/4	2,466.55	1/4	2,830.14	1/4	3,193.84	1/4	3,556.83
1/2	303.92	1/2	668.20	1/2	1,026.90	1/2	1,385.71	1/2	1,749.82	1/2	2,112.42	1/2	2,474.10	1/2	2,837.72	1/2	3,201.41	1/2	3,564.39
3/4	311.51	3/4	675.79	3/4	1,034.25	3/4	1,393.29	3/4	1,757.40	3/4	2,119.94	3/4	2,481.64	3/4	2,845.30	3/4	3,208.99	3/4	3,571.95
10	319.10	10	683.38	10	1,041.61	10	1,400.88	10	1,764.99	10	2,127.46	10	2,489.19	10	2,852.88	10	3,216.57	10	3,579.51
1/4	326.69	1/4	690.97	1/4	1,048.96	1/4	1,408.47	1/4	1,772.57	1/4	2,134.99	1/4	2,496.74	1/4	2,860.46	1/4	3,224.14	1/4	3,587.08
1/2	334.28	1/2	698.56	1/2	1,056.32	1/2	1,416.05	1/2	1,780.16	1/2	2,142.51	1/2	2,504.28	1/2	2,868.03	1/2	3,231.72	1/2	3,594.65
3/4	341.87	3/4	706.15	3/4	1,063.68	3/4	1,423.64	3/4	1,787.75	3/4	2,150.03	3/4	2,511.83	3/4	2,875.61	3/4	3,239.29	3/4	3,602.21
11	349.45	11	713.74	11	1,071.03	11	1,431.22	11	1,795.33	11	2,157.56	11	2,519.38	11	2,883.19	11	3,246.87	11	3,609.78
1/4	357.04	1/4	721.33	1/4	1,078.39	1/4	1,438.81	1/4	1,802.92	1/4	2,165.08	1/4	2,526.95	1/4	2,890.77	1/4	3,254.44	1/4	3,616.77
1/2	364.63	1/2	728.92	1/2	1,085.75	1/2	1,446.39	1/2	1,810.50	1/2	2,172.60	1/2	2,534.51	1/2	2,898.35	1/2	3,262.02	1/2	3,623.77
3/4	372.22	3/4	736.51	3/4	1,093.11	3/4	1,453.98	3/4	1,818.09	3/4	2,180.12	3/4	2,542.08	3/4	2,905.93	3/4	3,269.59	3/4	3,630.76

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 INNAGE 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 INNAGE 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	3,637.76	0	3,892.03	0	4,142.00	0	4,379.14	0	4,608.21	0		0		0		0		0	
1/4	3,643.59	1/4	3,897.28	1/4	4,147.09	1/4	4,383.92	1/4	4,613.42	1/4		1/4		1/4		1/4		1/4	
1/2	3,649.43	1/2	3,902.53	1/2	4,152.17	1/2	4,388.70	1/2	4,618.63	1/2		1/2		1/2		1/2		1/2	
3/4	3,655.26	3/4	3,907.78	3/4	4,157.26	3/4	4,393.48	3/4	4,623.84	3/4		3/4		3/4		3/4		3/4	
1	3,661.10	1	3,913.03	1	4,162.34	1	4,398.26	1	4,629.05	1		1		1		1		1	
1/4	3,666.35	1/4	3,918.27	1/4	4,167.40	1/4	4,403.01	1/4	4,633.88	1/4		1/4		1/4		1/4		1/4	
1/2	3,671.59	1/2	3,923.52	1/2	4,172.46	1/2	4,407.75	1/2	4,638.70	1/2		1/2		1/2		1/2		1/2	
3/4	3,676.84	3/4	3,928.77	3/4	4,177.52	3/4	4,412.49	3/4	4,643.53	3/4		3/4		3/4		3/4		3/4	
2	3,682.09	2	3,934.02	2	4,182.58	2	4,417.23	2	4,648.36	2		2		2		2		2	
1/4	3,687.34	1/4	3,939.27	1/4	4,187.61	1/4	4,421.94	1/4	4,652.05	1/4		1/4		1/4		1/4		1/4	
1/2	3,692.59	1/2	3,944.52	1/2	4,192.64	1/2	4,426.65	1/2	4,655.74	1/2		1/2		1/2		1/2		1/2	
3/4	3,697.84	3/4	3,949.77	3/4	4,197.67	3/4	4,431.35	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,703.09	3	3,955.01	3	4,202.70	3	4,436.06	3		3		3		3		3		3	
1/4	3,708.33	1/4	3,960.26	1/4	4,207.70	1/4	4,440.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,713.58	1/2	3,965.51	1/2	4,212.69	1/2	4,445.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,718.83	3/4	3,970.76	3/4	4,217.69	3/4	4,450.11	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,724.08	4	3,976.01	4	4,222.69	4	4,454.79	4		4		4		4		4		4	
1/4	3,729.33	1/4	3,981.26	1/4	4,227.66	1/4	4,459.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,734.58	1/2	3,986.50	1/2	4,232.63	1/2	4,464.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,739.83	3/4	3,991.75	3/4	4,237.60	3/4	4,468.77	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,745.07	5	3,997.00	5	4,242.57	5	4,473.43	5		5		5		5		5		5	
1/4	3,750.32	1/4	4,002.24	1/4	4,247.52	1/4	4,478.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,755.57	1/2	4,007.49	1/2	4,252.47	1/2	4,482.70	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,760.82	3/4	4,012.73	3/4	4,257.41	3/4	4,487.34	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,766.07	6	4,017.97	6	4,262.36	6	4,491.97	6		6		6		6		6		6	
1/4	3,771.32	1/4	4,023.20	1/4	4,267.29	1/4	4,496.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,776.56	1/2	4,028.43	1/2	4,272.21	1/2	4,501.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,781.81	3/4	4,033.66	3/4	4,277.13	3/4	4,505.80	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,787.06	7	4,038.89	7	4,282.06	7	4,510.41	7		7		7		7		7		7	
1/4	3,792.31	1/4	4,044.09	1/4	4,286.96	1/4	4,515.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,797.56	1/2	4,049.30	1/2	4,291.86	1/2	4,519.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,802.81	3/4	4,054.50	3/4	4,296.76	3/4	4,524.17	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,808.06	8	4,059.71	8	4,301.66	8	4,528.76	8		8		8		8		8		8	
1/4	3,813.30	1/4	4,064.89	1/4	4,306.54	1/4	4,533.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,818.55	1/2	4,070.07	1/2	4,311.42	1/2	4,537.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,823.80	3/4	4,075.25	3/4	4,316.30	3/4	4,542.45	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,829.05	9	4,080.44	9	4,321.17	9	4,547.01	9		9		9		9		9		9	
1/4	3,834.30	1/4	4,085.59	1/4	4,326.03	1/4	4,551.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,839.55	1/2	4,090.75	1/2	4,330.88	1/2	4,556.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,844.80	3/4	4,095.90	3/4	4,335.74	3/4	4,561.65	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,850.04	10	4,101.06	10	4,340.59	10	4,566.54	10		10		10		10		10		10	
1/4	3,855.29	1/4	4,106.19	1/4	4,345.43	1/4	4,571.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,860.54	1/2	4,111.32	1/2	4,350.26	1/2	4,576.95	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,865.79	3/4	4,116.45	3/4	4,355.09	3/4	4,582.16	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,871.04	11	4,121.58	11	4,359.92	11	4,587.37	11		11		11		11		11		11	
1/4	3,876.29	1/4	4,126.68	1/4	4,364.73	1/4	4,592.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,881.53	1/2	4,131.79	1/2	4,369.53	1/2	4,597.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,886.78	3/4	4,136.90	3/4	4,374.34	3/4	4,603.00	3/4		3/4		3/4		3/4		3/4		3/4	

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "CTCo 315"

3 STBD INNAGE 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	25.07	0	380.24	0	745.11	0	1,109.49	0	1,474.33	0	1,839.22	0	2,204.10	0	2,568.99	0	2,933.62	0	3,298.07
1/4	30.77	1/4	387.84	1/4	752.71	1/4	1,117.09	1/4	1,481.93	1/4	1,846.82	1/4	2,211.71	1/4	2,576.59	1/4	2,941.22	1/4	3,305.66
1/2	36.47	1/2	395.44	1/2	760.31	1/2	1,124.68	1/2	1,489.54	1/2	1,854.42	1/2	2,219.31	1/2	2,584.19	1/2	2,948.81	1/2	3,313.25
3/4	42.17	3/4	403.04	3/4	767.92	3/4	1,132.27	3/4	1,497.14	3/4	1,862.02	3/4	2,226.91	3/4	2,591.80	3/4	2,956.41	3/4	3,320.84
1	47.87	1	410.65	1	775.52	1	1,139.87	1	1,504.74	1	1,869.63	1	2,234.51	1	2,599.40	1	2,964.00	1	3,328.44
1/4	54.98	1/4	418.25	1/4	783.12	1/4	1,147.47	1/4	1,512.34	1/4	1,877.23	1/4	2,242.11	1/4	2,607.00	1/4	2,971.60	1/4	3,336.02
1/2	62.09	1/2	425.85	1/2	790.72	1/2	1,155.06	1/2	1,519.94	1/2	1,884.83	1/2	2,249.72	1/2	2,614.60	1/2	2,979.19	1/2	3,343.60
3/4	69.19	3/4	433.45	3/4	798.32	3/4	1,162.66	3/4	1,527.54	3/4	1,892.43	3/4	2,257.32	3/4	2,622.20	3/4	2,986.79	3/4	3,351.18
2	76.30	2	441.05	2	805.92	2	1,170.26	2	1,535.15	2	1,900.03	2	2,264.92	2	2,629.81	2	2,994.38	2	3,358.76
1/4	83.88	1/4	448.65	1/4	813.53	1/4	1,177.86	1/4	1,542.75	1/4	1,907.63	1/4	2,272.52	1/4	2,637.41	1/4	3,001.97	1/4	3,366.34
1/2	91.46	1/2	456.25	1/2	821.13	1/2	1,185.46	1/2	1,550.35	1/2	1,915.24	1/2	2,280.12	1/2	2,645.01	1/2	3,009.57	1/2	3,373.91
3/4	99.03	3/4	463.86	3/4	828.73	3/4	1,193.07	3/4	1,557.95	3/4	1,922.84	3/4	2,287.72	3/4	2,652.61	3/4	3,017.16	3/4	3,381.48
3	106.61	3	471.46	3	836.33	3	1,200.67	3	1,565.55	3	1,930.44	3	2,295.33	3	2,660.21	3	3,024.76	3	3,389.05
1/4	114.21	1/4	479.06	1/4	843.93	1/4	1,208.27	1/4	1,573.15	1/4	1,938.04	1/4	2,302.93	1/4	2,667.81	1/4	3,032.35	1/4	3,396.62
1/2	121.80	1/2	486.66	1/2	851.52	1/2	1,215.87	1/2	1,580.76	1/2	1,945.64	1/2	2,310.53	1/2	2,675.41	1/2	3,039.94	1/2	3,404.19
3/4	129.40	3/4	494.26	3/4	859.12	3/4	1,223.47	3/4	1,588.36	3/4	1,953.24	3/4	2,318.13	3/4	2,683.00	3/4	3,047.54	3/4	3,411.76
4	136.99	4	501.86	4	866.71	4	1,231.07	4	1,595.96	4	1,960.85	4	2,325.73	4	2,690.60	4	3,055.13	4	3,419.33
1/4	144.60	1/4	509.47	1/4	874.30	1/4	1,238.68	1/4	1,603.56	1/4	1,968.45	1/4	2,333.33	1/4	2,698.19	1/4	3,062.72	1/4	3,426.90
1/2	152.20	1/2	517.07	1/2	881.88	1/2	1,246.28	1/2	1,611.16	1/2	1,976.05	1/2	2,340.94	1/2	2,705.79	1/2	3,070.32	1/2	3,434.48
3/4	159.80	3/4	524.67	3/4	889.47	3/4	1,253.88	3/4	1,618.77	3/4	1,983.65	3/4	2,348.54	3/4	2,713.38	3/4	3,077.91	3/4	3,442.05
5	167.40	5	532.27	5	897.06	5	1,261.48	5	1,626.37	5	1,991.25	5	2,356.14	5	2,720.98	5	3,085.50	5	3,449.62
1/4	175.00	1/4	539.87	1/4	904.64	1/4	1,269.08	1/4	1,633.97	1/4	1,998.86	1/4	2,363.74	1/4	2,728.57	1/4	3,093.09	1/4	3,457.19
1/2	182.60	1/2	547.47	1/2	912.23	1/2	1,276.68	1/2	1,641.57	1/2	2,006.46	1/2	2,371.34	1/2	2,736.17	1/2	3,100.68	1/2	3,464.76
3/4	190.20	3/4	555.07	3/4	919.82	3/4	1,284.29	3/4	1,649.17	3/4	2,014.06	3/4	2,378.95	3/4	2,743.76	3/4	3,108.27	3/4	3,472.33
6	197.80	6	562.68	6	927.40	6	1,291.89	6	1,656.77	6	2,021.66	6	2,386.55	6	2,751.36	6	3,115.87	6	3,479.90
1/4	205.41	1/4	570.28	1/4	934.99	1/4	1,299.49	1/4	1,664.38	1/4	2,029.26	1/4	2,394.15	1/4	2,758.95	1/4	3,123.46	1/4	3,487.47
1/2	213.01	1/2	577.88	1/2	942.58	1/2	1,307.09	1/2	1,671.98	1/2	2,036.86	1/2	2,401.75	1/2	2,766.54	1/2	3,131.05	1/2	3,495.04
3/4	220.61	3/4	585.48	3/4	950.16	3/4	1,314.69	3/4	1,679.58	3/4	2,044.47	3/4	2,409.35	3/4	2,774.14	3/4	3,138.64	3/4	3,502.62
7	228.21	7	593.08	7	957.75	7	1,322.30	7	1,687.18	7	2,052.07	7	2,416.95	7	2,781.73	7	3,146.23	7	3,510.19
1/4	235.81	1/4	600.68	1/4	965.33	1/4	1,329.90	1/4	1,694.78	1/4	2,059.67	1/4	2,424.56	1/4	2,789.33	1/4	3,153.83	1/4	3,517.76
1/2	243.41	1/2	608.28	1/2	972.92	1/2	1,337.50	1/2	1,702.39	1/2	2,067.27	1/2	2,432.16	1/2	2,796.92	1/2	3,161.42	1/2	3,525.33
3/4	251.01	3/4	615.89	3/4	980.51	3/4	1,345.10	3/4	1,709.99	3/4	2,074.87	3/4	2,439.76	3/4	2,804.52	3/4	3,169.01	3/4	3,532.90
8	258.62	8	623.49	8	988.09	8	1,352.70	8	1,717.59	8	2,082.48	8	2,447.36	8	2,812.11	8	3,176.60	8	3,540.47
1/4	266.22	1/4	631.09	1/4	995.68	1/4	1,360.30	1/4	1,725.19	1/4	2,090.08	1/4	2,454.96	1/4	2,819.71	1/4	3,184.19	1/4	3,548.04
1/2	273.82	1/2	638.69	1/2	1,003.27	1/2	1,367.91	1/2	1,732.79	1/2	2,097.68	1/2	2,462.57	1/2	2,827.30	1/2	3,191.78	1/2	3,555.61
3/4	281.42	3/4	646.29	3/4	1,010.85	3/4	1,375.51	3/4	1,740.39	3/4	2,105.28	3/4	2,470.17	3/4	2,834.90	3/4	3,199.38	3/4	3,563.18
9	289.02	9	653.89	9	1,018.44	9	1,383.11	9	1,748.00	9	2,112.88	9	2,477.77	9	2,842.49	9	3,206.97	9	3,570.76
1/4	296.62	1/4	661.50	1/4	1,026.03	1/4	1,390.71	1/4	1,755.60	1/4	2,120.48	1/4	2,485.37	1/4	2,850.08	1/4	3,214.56	1/4	3,578.33
1/2	304.23	1/2	669.10	1/2	1,033.61	1/2	1,398.31	1/2	1,763.20	1/2	2,128.09	1/2	2,492.97	1/2	2,857.68	1/2	3,222.15	1/2	3,585.90
3/4	311.83	3/4	676.70	3/4	1,041.20	3/4	1,405.92	3/4	1,770.80	3/4	2,135.69	3/4	2,500.57	3/4	2,865.27	3/4	3,229.74	3/4	3,593.47
10	319.43	10	684.30	10	1,048.79	10	1,413.52	10	1,778.40	10	2,143.29	10	2,508.18	10	2,872.87	10	3,237.34	10	3,601.04
1/4	327.03	1/4	691.90	1/4	1,056.37	1/4	1,421.12	1/4	1,786.01	1/4	2,150.89	1/4	2,515.78	1/4	2,880.46	1/4	3,244.93	1/4	3,608.61
1/2	334.63	1/2	699.50	1/2	1,063.96	1/2	1,428.72	1/2	1,793.61	1/2	2,158.49	1/2	2,523.38	1/2	2,888.06	1/2	3,252.52	1/2	3,616.18
3/4	342.23	3/4	707.10	3/4	1,071.55	3/4	1,436.32	3/4	1,801.21	3/4	2,166.10	3/4	2,530.98	3/4	2,895.65	3/4	3,260.11	3/4	3,623.75
11	349.83	11	714.71	11	1,079.13	11	1,443.92	11	1,808.81	11	2,173.70	11	2,538.58	11	2,903.25	11	3,267.70	11	3,631.32
1/4	357.44	1/4	722.31	1/4	1,086.72	1/4	1,451.53	1/4	1,816.41	1/4	2,181.30	1/4	2,546.19	1/4	2,910.84	1/4	3,275.29	1/4	3,638.32
1/2	365.04	1/2	729.91	1/2	1,094.31	1/2	1,459.13	1/2	1,824.01	1/2	2,188.90	1/2	2,553.79	1/2	2,918.43	1/2	3,282.89	1/2	3,645.32
3/4	372.64	3/4	737.51	3/4	1,101.90	3/4	1,466.73	3/4	1,831.62	3/4	2,196.50	3/4	2,561.39	3/4	2,926.03	3/4	3,290.48	3/4	3,652.31

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER OPENING ON "HERMETIC" CLOSED GAUGING VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "CTCo 315"

3 STBD INNAGE 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	3,659.31	0	3,913.57	0	4,163.53	0	4,400.65	0	4,629.70	0		0		0		0		0	
1/4	3,665.15	1/4	3,918.82	1/4	4,168.61	1/4	4,405.43	1/4	4,634.91	1/4		1/4		1/4		1/4		1/4	
1/2	3,670.98	1/2	3,924.06	1/2	4,173.70	1/2	4,410.21	1/2	4,640.12	1/2		1/2		1/2		1/2		1/2	
3/4	3,676.82	3/4	3,929.31	3/4	4,178.78	3/4	4,414.99	3/4	4,645.33	3/4		3/4		3/4		3/4		3/4	
1	3,682.65	1	3,934.56	1	4,183.86	1	4,419.77	1	4,650.54	1		1		1		1		1	
1/4	3,687.90	1/4	3,939.81	1/4	4,188.92	1/4	4,424.51	1/4	4,655.37	1/4		1/4		1/4		1/4		1/4	
1/2	3,693.15	1/2	3,945.06	1/2	4,193.98	1/2	4,429.26	1/2	4,660.20	1/2		1/2		1/2		1/2		1/2	
3/4	3,698.40	3/4	3,950.30	3/4	4,199.04	3/4	4,434.00	3/4	4,665.03	3/4		3/4		3/4		3/4		3/4	
2	3,703.64	2	3,955.55	2	4,204.10	2	4,438.74	2	4,669.86	2		2		2		2		2	
1/4	3,708.89	1/4	3,960.80	1/4	4,209.13	1/4	4,443.45	1/4	4,673.55	1/4		1/4		1/4		1/4		1/4	
1/2	3,714.14	1/2	3,966.05	1/2	4,214.16	1/2	4,448.15	1/2	4,677.23	1/2		1/2		1/2		1/2		1/2	
3/4	3,719.39	3/4	3,971.30	3/4	4,219.19	3/4	4,452.86	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,724.64	3	3,976.55	3	4,224.22	3	4,457.56	3		3		3		3		3		3	
1/4	3,729.88	1/4	3,981.79	1/4	4,229.22	1/4	4,462.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,735.13	1/2	3,987.04	1/2	4,234.22	1/2	4,466.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,740.38	3/4	3,992.29	3/4	4,239.21	3/4	4,471.61	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,745.63	4	3,997.54	4	4,244.21	4	4,476.29	4		4		4		4		4		4	
1/4	3,750.88	1/4	4,002.79	1/4	4,249.18	1/4	4,480.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,756.13	1/2	4,008.03	1/2	4,254.15	1/2	4,485.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,761.37	3/4	4,013.28	3/4	4,259.12	3/4	4,490.27	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,766.62	5	4,018.53	5	4,264.09	5	4,494.93	5		5		5		5		5		5	
1/4	3,771.87	1/4	4,023.77	1/4	4,269.04	1/4	4,499.56	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,777.12	1/2	4,029.02	1/2	4,273.98	1/2	4,504.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,782.37	3/4	4,034.26	3/4	4,278.93	3/4	4,508.84	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,787.61	6	4,039.51	6	4,283.88	6	4,513.47	6		6		6		6		6		6	
1/4	3,792.86	1/4	4,044.73	1/4	4,288.80	1/4	4,518.08	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,798.11	1/2	4,049.96	1/2	4,293.73	1/2	4,522.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,803.36	3/4	4,055.19	3/4	4,298.65	3/4	4,527.30	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,808.61	7	4,060.42	7	4,303.57	7	4,531.91	7		7		7		7		7		7	
1/4	3,813.85	1/4	4,065.62	1/4	4,308.48	1/4	4,536.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,819.10	1/2	4,070.83	1/2	4,313.38	1/2	4,541.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,824.35	3/4	4,076.03	3/4	4,318.28	3/4	4,545.67	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,829.60	8	4,081.24	8	4,323.18	8	4,550.25	8		8		8		8		8		8	
1/4	3,834.85	1/4	4,086.42	1/4	4,328.06	1/4	4,554.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,840.09	1/2	4,091.60	1/2	4,332.93	1/2	4,559.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,845.34	3/4	4,096.78	3/4	4,337.81	3/4	4,563.94	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,850.59	9	4,101.96	9	4,342.69	9	4,568.51	9		9		9		9		9		9	
1/4	3,855.84	1/4	4,107.12	1/4	4,347.54	1/4	4,573.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,861.09	1/2	4,112.28	1/2	4,352.40	1/2	4,578.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,866.34	3/4	4,117.43	3/4	4,357.25	3/4	4,583.15	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,871.58	10	4,122.59	10	4,362.11	10	4,588.03	10		10		10		10		10		10	
1/4	3,876.83	1/4	4,127.72	1/4	4,366.94	1/4	4,593.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,882.08	1/2	4,132.85	1/2	4,371.77	1/2	4,598.45	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,887.33	3/4	4,137.98	3/4	4,376.60	3/4	4,603.66	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,892.58	11	4,143.11	11	4,381.43	11	4,608.87	11		11		11		11		11		11	
1/4	3,897.82	1/4	4,148.21	1/4	4,386.24	1/4	4,614.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,903.07	1/2	4,153.32	1/2	4,391.04	1/2	4,619.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,908.32	3/4	4,158.42	3/4	4,395.85	3/4	4,624.49	3/4		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"

PORT SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-11"

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	1,079	0	2,158	0	3,210	0	4,199	0		0							
1/4	22	1/4	1,101	1/4	2,180	1/4	3,232	1/4	4,218	1/4		1/4		1/4		1/4		1/4	
1/2	45	1/2	1,124	1/2	2,203	1/2	3,253	1/2	4,238	1/2		1/2		1/2		1/2		1/2	
3/4	67	3/4	1,146	3/4	2,225	3/4	3,274	3/4	4,258	3/4		3/4		3/4		3/4		3/4	
1	90	1	1,169	1	2,248	1	3,295	1	4,278	1		1		1		1		1	
1/4	112	1/4	1,191	1/4	2,270	1/4	3,316	1/4	4,298	1/4		1/4		1/4		1/4		1/4	
1/2	135	1/2	1,214	1/2	2,293	1/2	3,337	1/2	4,318	1/2		1/2		1/2		1/2		1/2	
3/4	157	3/4	1,236	3/4	2,315	3/4	3,358	3/4	4,337	3/4		3/4		3/4		3/4		3/4	
2	180	2	1,259	2	2,337	2	3,379	2	4,357	2		2		2		2		2	
1/4	202	1/4	1,281	1/4	2,360	1/4	3,400	1/4	4,377	1/4		1/4		1/4		1/4		1/4	
1/2	225	1/2	1,304	1/2	2,382	1/2	3,421	1/2	4,396	1/2		1/2		1/2		1/2		1/2	
3/4	247	3/4	1,326	3/4	2,404	3/4	3,442	3/4	4,416	3/4		3/4		3/4		3/4		3/4	
3	270	3	1,349	3	2,427	3	3,463	3	4,436	3		3		3		3		3	
1/4	292	1/4	1,371	1/4	2,449	1/4	3,484	1/4	4,455	1/4		1/4		1/4		1/4		1/4	
1/2	315	1/2	1,394	1/2	2,471	1/2	3,505	1/2	4,475	1/2		1/2		1/2		1/2		1/2	
3/4	337	3/4	1,416	3/4	2,493	3/4	3,526	3/4	4,494	3/4		3/4		3/4		3/4		3/4	
4	360	4	1,439	4	2,516	4	3,547	4	4,514	4		4		4		4		4	
1/4	382	1/4	1,461	1/4	2,538	1/4	3,568	1/4	4,533	1/4		1/4		1/4		1/4		1/4	
1/2	405	1/2	1,484	1/2	2,560	1/2	3,588	1/2	4,552	1/2		1/2		1/2		1/2		1/2	
3/4	427	3/4	1,506	3/4	2,582	3/4	3,609	3/4	4,572	3/4		3/4		3/4		3/4		3/4	
5	450	5	1,528	5	2,604	5	3,630	5	4,591	5		5		5		5		5	
1/4	472	1/4	1,551	1/4	2,626	1/4	3,651	1/4	4,602	1/4		1/4		1/4		1/4		1/4	
1/2	495	1/2	1,573	1/2	2,648	1/2	3,671	1/2	4,614	1/2		1/2		1/2		1/2		1/2	
3/4	517	3/4	1,596	3/4	2,670	3/4	3,692	3/4	4,625	3/4		3/4		3/4		3/4		3/4	
6	539	6	1,618	6	2,692	6	3,712	6	4,636	6		6		6		6		6	
1/4	562	1/4	1,641	1/4	2,714	1/4	3,733	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	584	1/2	1,663	1/2	2,736	1/2	3,754	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	607	3/4	1,686	3/4	2,758	3/4	3,774	3/4		3/4		3/4		3/4		3/4		3/4	
7	629	7	1,708	7	2,780	7	3,795	7		7		7		7		7		7	
1/4	652	1/4	1,731	1/4	2,801	1/4	3,815	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	674	1/2	1,753	1/2	2,823	1/2	3,835	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	697	3/4	1,776	3/4	2,845	3/4	3,856	3/4		3/4		3/4		3/4		3/4		3/4	
8	719	8	1,798	8	2,867	8	3,876	8		8		8		8		8		8	
1/4	742	1/4	1,821	1/4	2,888	1/4	3,897	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	764	1/2	1,843	1/2	2,910	1/2	3,917	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	787	3/4	1,866	3/4	2,932	3/4	3,937	3/4		3/4		3/4		3/4		3/4		3/4	
9	809	9	1,888	9	2,953	9	3,958	9		9		9		9		9		9	
1/4	832	1/4	1,911	1/4	2,975	1/4	3,978	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	854	1/2	1,933	1/2	2,996	1/2	3,998	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	877	3/4	1,956	3/4	3,018	3/4	4,018	3/4		3/4		3/4		3/4		3/4		3/4	
10	899	10	1,978	10	3,039	10	4,038	10		10		10		10		10		10	
1/4	922	1/4	2,000	1/4	3,061	1/4	4,058	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	944	1/2	2,023	1/2	3,082	1/2	4,078	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	967	3/4	2,045	3/4	3,104	3/4	4,099	3/4		3/4		3/4		3/4		3/4		3/4	
11	989	11	2,068	11	3,125	11	4,119	11		11		11		11		11		11	
1/4	1,011	1/4	2,090	1/4	3,146	1/4	4,139	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,034	1/2	2,113	1/2	3,168	1/2	4,159	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,056	3/4	2,135	3/4	3,189	3/4	4,179	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 AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT MANWAY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTCo 315"

STBD SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-11"

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	1,079	0	2,158	0	3,210	0	4,199	0		0		0		0		0	
1/4	22	1/4	1,101	1/4	2,180	1/4	3,232	1/4	4,218	1/4		1/4		1/4		1/4		1/4	
1/2	45	1/2	1,124	1/2	2,203	1/2	3,253	1/2	4,238	1/2		1/2		1/2		1/2		1/2	
3/4	67	3/4	1,146	3/4	2,225	3/4	3,274	3/4	4,258	3/4		3/4		3/4		3/4		3/4	
1	90	1	1,169	1	2,248	1	3,295	1	4,278	1		1		1		1		1	
1/4	112	1/4	1,191	1/4	2,270	1/4	3,316	1/4	4,298	1/4		1/4		1/4		1/4		1/4	
1/2	135	1/2	1,214	1/2	2,293	1/2	3,337	1/2	4,318	1/2		1/2		1/2		1/2		1/2	
3/4	157	3/4	1,236	3/4	2,315	3/4	3,358	3/4	4,337	3/4		3/4		3/4		3/4		3/4	
2	180	2	1,259	2	2,337	2	3,379	2	4,357	2		2		2		2		2	
1/4	202	1/4	1,281	1/4	2,360	1/4	3,400	1/4	4,377	1/4		1/4		1/4		1/4		1/4	
1/2	225	1/2	1,304	1/2	2,382	1/2	3,421	1/2	4,396	1/2		1/2		1/2		1/2		1/2	
3/4	247	3/4	1,326	3/4	2,404	3/4	3,442	3/4	4,416	3/4		3/4		3/4		3/4		3/4	
3	270	3	1,349	3	2,427	3	3,463	3	4,436	3		3		3		3		3	
1/4	292	1/4	1,371	1/4	2,449	1/4	3,484	1/4	4,455	1/4		1/4		1/4		1/4		1/4	
1/2	315	1/2	1,394	1/2	2,471	1/2	3,505	1/2	4,475	1/2		1/2		1/2		1/2		1/2	
3/4	337	3/4	1,416	3/4	2,493	3/4	3,526	3/4	4,494	3/4		3/4		3/4		3/4		3/4	
4	360	4	1,439	4	2,516	4	3,547	4	4,514	4		4		4		4		4	
1/4	382	1/4	1,461	1/4	2,538	1/4	3,568	1/4	4,533	1/4		1/4		1/4		1/4		1/4	
1/2	405	1/2	1,484	1/2	2,560	1/2	3,588	1/2	4,552	1/2		1/2		1/2		1/2		1/2	
3/4	427	3/4	1,506	3/4	2,582	3/4	3,609	3/4	4,572	3/4		3/4		3/4		3/4		3/4	
5	450	5	1,528	5	2,604	5	3,630	5	4,591	5		5		5		5		5	
1/4	472	1/4	1,551	1/4	2,626	1/4	3,651	1/4	4,602	1/4		1/4		1/4		1/4		1/4	
1/2	495	1/2	1,573	1/2	2,648	1/2	3,671	1/2	4,614	1/2		1/2		1/2		1/2		1/2	
3/4	517	3/4	1,596	3/4	2,670	3/4	3,692	3/4	4,625	3/4		3/4		3/4		3/4		3/4	
6	539	6	1,618	6	2,692	6	3,712	6	4,636	6		6		6		6		6	
1/4	562	1/4	1,641	1/4	2,714	1/4	3,733	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	584	1/2	1,663	1/2	2,736	1/2	3,754	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	607	3/4	1,686	3/4	2,758	3/4	3,774	3/4		3/4		3/4		3/4		3/4		3/4	
7	629	7	1,708	7	2,780	7	3,795	7		7		7		7		7		7	
1/4	652	1/4	1,731	1/4	2,801	1/4	3,815	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	674	1/2	1,753	1/2	2,823	1/2	3,835	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	697	3/4	1,776	3/4	2,845	3/4	3,856	3/4		3/4		3/4		3/4		3/4		3/4	
8	719	8	1,798	8	2,867	8	3,876	8		8		8		8		8		8	
1/4	742	1/4	1,821	1/4	2,888	1/4	3,897	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	764	1/2	1,843	1/2	2,910	1/2	3,917	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	787	3/4	1,866	3/4	2,932	3/4	3,937	3/4		3/4		3/4		3/4		3/4		3/4	
9	809	9	1,888	9	2,953	9	3,958	9		9		9		9		9		9	
1/4	832	1/4	1,911	1/4	2,975	1/4	3,978	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	854	1/2	1,933	1/2	2,996	1/2	3,998	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	877	3/4	1,956	3/4	3,018	3/4	4,018	3/4		3/4		3/4		3/4		3/4		3/4	
10	899	10	1,978	10	3,039	10	4,038	10		10		10		10		10		10	
1/4	922	1/4	2,000	1/4	3,061	1/4	4,058	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	944	1/2	2,023	1/2	3,082	1/2	4,078	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	967	3/4	2,045	3/4	3,104	3/4	4,099	3/4		3/4		3/4		3/4		3/4		3/4	
11	989	11	2,068	11	3,125	11	4,119	11		11		11		11		11		11	
1/4	1,011	1/4	2,090	1/4	3,146	1/4	4,139	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,034	1/2	2,113	1/2	3,168	1/2	4,159	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,056	3/4	2,135	3/4	3,189	3/4	4,179	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 AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT MANWAY.

STRAPPED: 09/09/2013 CL - SW
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ALL PRIOR TO 09/2013

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



BARGE "CTCo 315"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-11"

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	171	0	342	0	513	0	684	0		0		0		0		0	
1/4	4	1/4	174	1/4	345	1/4	516	1/4	687	1/4		1/4		1/4		1/4		1/4	
1/2	7	1/2	178	1/2	349	1/2	520	1/2	691	1/2		1/2		1/2		1/2		1/2	
3/4	11	3/4	182	3/4	352	3/4	523	3/4	694	3/4		3/4		3/4		3/4		3/4	
1	14	1	185	1	356	1	527	1	698	1		1		1		1		1	
1/4	18	1/4	189	1/4	360	1/4	531	1/4	701	1/4		1/4		1/4		1/4		1/4	
1/2	21	1/2	192	1/2	363	1/2	534	1/2	705	1/2		1/2		1/2		1/2		1/2	
3/4	25	3/4	196	3/4	367	3/4	538	3/4	709	3/4		3/4		3/4		3/4		3/4	
2	28	2	199	2	370	2	541	2	712	2		2		2		2		2	
1/4	32	1/4	203	1/4	374	1/4	545	1/4	716	1/4		1/4		1/4		1/4		1/4	
1/2	36	1/2	207	1/2	377	1/2	548	1/2	719	1/2		1/2		1/2		1/2		1/2	
3/4	39	3/4	210	3/4	381	3/4	552	3/4	723	3/4		3/4		3/4		3/4		3/4	
3	43	3	214	3	385	3	555	3	726	3		3		3		3		3	
1/4	46	1/4	217	1/4	388	1/4	559	1/4	730	1/4		1/4		1/4		1/4		1/4	
1/2	50	1/2	221	1/2	392	1/2	563	1/2	733	1/2		1/2		1/2		1/2		1/2	
3/4	53	3/4	224	3/4	395	3/4	566	3/4	737	3/4		3/4		3/4		3/4		3/4	
4	57	4	228	4	399	4	570	4	741	4		4		4		4		4	
1/4	61	1/4	231	1/4	402	1/4	573	1/4	744	1/4		1/4		1/4		1/4		1/4	
1/2	64	1/2	235	1/2	406	1/2	577	1/2	748	1/2		1/2		1/2		1/2		1/2	
3/4	68	3/4	239	3/4	409	3/4	580	3/4	751	3/4		3/4		3/4		3/4		3/4	
5	71	5	242	5	413	5	584	5	755	5		5		5		5		5	
1/4	75	1/4	246	1/4	417	1/4	587	1/4	758	1/4		1/4		1/4		1/4		1/4	
1/2	78	1/2	249	1/2	420	1/2	591	1/2	762	1/2		1/2		1/2		1/2		1/2	
3/4	82	3/4	253	3/4	424	3/4	595	3/4	766	3/4		3/4		3/4		3/4		3/4	
6	85	6	256	6	427	6	598	6	769	6		6		6		6		6	
1/4	89	1/4	260	1/4	431	1/4	602	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	93	1/2	263	1/2	434	1/2	605	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	96	3/4	267	3/4	438	3/4	609	3/4		3/4		3/4		3/4		3/4		3/4	
7	100	7	271	7	442	7	612	7		7		7		7		7		7	
1/4	103	1/4	274	1/4	445	1/4	616	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	107	1/2	278	1/2	449	1/2	620	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	110	3/4	281	3/4	452	3/4	623	3/4		3/4		3/4		3/4		3/4		3/4	
8	114	8	285	8	456	8	627	8		8		8		8		8		8	
1/4	117	1/4	288	1/4	459	1/4	630	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	121	1/2	292	1/2	463	1/2	634	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	125	3/4	296	3/4	466	3/4	637	3/4		3/4		3/4		3/4		3/4		3/4	
9	128	9	299	9	470	9	641	9		9		9		9		9		9	
1/4	132	1/4	303	1/4	474	1/4	644	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	135	1/2	306	1/2	477	1/2	648	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	139	3/4	310	3/4	481	3/4	652	3/4		3/4		3/4		3/4		3/4		3/4	
10	142	10	313	10	484	10	655	10		10		10		10		10		10	
1/4	146	1/4	317	1/4	488	1/4	659	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	150	1/2	320	1/2	491	1/2	662	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153	3/4	324	3/4	495	3/4	666	3/4		3/4		3/4		3/4		3/4		3/4	
11	157	11	328	11	498	11	669	11		11		11		11		11		11	
1/4	160	1/4	331	1/4	502	1/4	673	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164	1/2	335	1/2	506	1/2	676	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	167	3/4	338	3/4	509	3/4	680	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 AT GAUGE POINT.
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