



BARGE "CTCo 331"

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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
2 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
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	- 00-1/8	00-1/8	- 00-1/8	00-1/8
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	- 00-1/8	00-1/8	- 00-1/8	00-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 PORT IS - 00-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 236'-09"

July 12, 2014

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTCO 331"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-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	1,625	0	3,250	0	4,875	0	6,501	0	8,126	0	9,751	0		0			
1/4	34	1/4	1,659	1/4	3,284	1/4	4,909	1/4	6,534	1/4	8,160	1/4	9,785	1/4		1/4			
1/2	68	1/2	1,693	1/2	3,318	1/2	4,943	1/2	6,568	1/2	8,193	1/2	9,819	1/2		1/2			
3/4	102	3/4	1,727	3/4	3,352	3/4	4,977	3/4	6,602	3/4	8,227	3/4	9,852	3/4		3/4			
1	135	1	1,761	1	3,386	1	5,011	1	6,636	1	8,261	1	9,886	1		1			
1/4	169	1/4	1,794	1/4	3,420	1/4	5,045	1/4	6,670	1/4	8,295	1/4	9,920	1/4		1/4			
1/2	203	1/2	1,828	1/2	3,453	1/2	5,079	1/2	6,704	1/2	8,329	1/2	9,954	1/2		1/2			
3/4	237	3/4	1,862	3/4	3,487	3/4	5,112	3/4	6,738	3/4	8,363	3/4	9,988	3/4		3/4			
2	271	2	1,896	2	3,521	2	5,146	2	6,771	2	8,397	2	10,022	2		2			
1/4	305	1/4	1,930	1/4	3,555	1/4	5,180	1/4	6,805	1/4	8,430	1/4	10,056	1/4		1/4			
1/2	339	1/2	1,964	1/2	3,589	1/2	5,214	1/2	6,839	1/2	8,464	1/2	10,089	1/2		1/2			
3/4	372	3/4	1,998	3/4	3,623	3/4	5,248	3/4	6,873	3/4	8,498	3/4		3/4		3/4			
3	406	3	2,031	3	3,657	3	5,282	3	6,907	3	8,532	3		3		3			
1/4	440	1/4	2,065	1/4	3,690	1/4	5,316	1/4	6,941	1/4	8,566	1/4		1/4		1/4			
1/2	474	1/2	2,099	1/2	3,724	1/2	5,349	1/2	6,975	1/2	8,600	1/2		1/2		1/2			
3/4	508	3/4	2,133	3/4	3,758	3/4	5,383	3/4	7,008	3/4	8,634	3/4		3/4		3/4			
4	542	4	2,167	4	3,792	4	5,417	4	7,042	4	8,667	4		4		4			
1/4	576	1/4	2,201	1/4	3,826	1/4	5,451	1/4	7,076	1/4	8,701	1/4		1/4		1/4			
1/2	609	1/2	2,235	1/2	3,860	1/2	5,485	1/2	7,110	1/2	8,735	1/2		1/2		1/2			
3/4	643	3/4	2,268	3/4	3,894	3/4	5,519	3/4	7,144	3/4	8,769	3/4		3/4		3/4			
5	677	5	2,302	5	3,927	5	5,553	5	7,178	5	8,803	5		5		5			
1/4	711	1/4	2,336	1/4	3,961	1/4	5,586	1/4	7,212	1/4	8,837	1/4		1/4		1/4			
1/2	745	1/2	2,370	1/2	3,995	1/2	5,620	1/2	7,245	1/2	8,871	1/2		1/2		1/2			
3/4	779	3/4	2,404	3/4	4,029	3/4	5,654	3/4	7,279	3/4	8,904	3/4		3/4		3/4			
6	813	6	2,438	6	4,063	6	5,688	6	7,313	6	8,938	6		6		6			
1/4	846	1/4	2,472	1/4	4,097	1/4	5,722	1/4	7,347	1/4	8,972	1/4		1/4		1/4			
1/2	880	1/2	2,505	1/2	4,131	1/2	5,756	1/2	7,381	1/2	9,006	1/2		1/2		1/2			
3/4	914	3/4	2,539	3/4	4,164	3/4	5,790	3/4	7,415	3/4	9,040	3/4		3/4		3/4			
7	948	7	2,573	7	4,198	7	5,823	7	7,449	7	9,074	7		7		7			
1/4	982	1/4	2,607	1/4	4,232	1/4	5,857	1/4	7,482	1/4	9,108	1/4		1/4		1/4			
1/2	1,016	1/2	2,641	1/2	4,266	1/2	5,891	1/2	7,516	1/2	9,141	1/2		1/2		1/2			
3/4	1,050	3/4	2,675	3/4	4,300	3/4	5,925	3/4	7,550	3/4	9,175	3/4		3/4		3/4			
8	1,083	8	2,709	8	4,334	8	5,959	8	7,584	8	9,209	8		8		8			
1/4	1,117	1/4	2,742	1/4	4,368	1/4	5,993	1/4	7,618	1/4	9,243	1/4		1/4		1/4			
1/2	1,151	1/2	2,776	1/2	4,401	1/2	6,027	1/2	7,652	1/2	9,277	1/2		1/2		1/2			
3/4	1,185	3/4	2,810	3/4	4,435	3/4	6,060	3/4	7,686	3/4	9,311	3/4		3/4		3/4			
9	1,219	9	2,844	9	4,469	9	6,094	9	7,719	9	9,345	9		9		9			
1/4	1,253	1/4	2,878	1/4	4,503	1/4	6,128	1/4	7,753	1/4	9,378	1/4		1/4		1/4			
1/2	1,287	1/2	2,912	1/2	4,537	1/2	6,162	1/2	7,787	1/2	9,412	1/2		1/2		1/2			
3/4	1,320	3/4	2,946	3/4	4,571	3/4	6,196	3/4	7,821	3/4	9,446	3/4		3/4		3/4			
10	1,354	10	2,979	10	4,605	10	6,230	10	7,855	10	9,480	10		10		10			
1/4	1,388	1/4	3,013	1/4	4,638	1/4	6,264	1/4	7,889	1/4	9,514	1/4		1/4		1/4			
1/2	1,422	1/2	3,047	1/2	4,672	1/2	6,297	1/2	7,923	1/2	9,548	1/2		1/2		1/2			
3/4	1,456	3/4	3,081	3/4	4,706	3/4	6,331	3/4	7,956	3/4	9,582	3/4		3/4		3/4			
11	1,490	11	3,115	11	4,740	11	6,365	11	7,990	11	9,615	11		11		11			
1/4	1,524	1/4	3,149	1/4	4,774	1/4	6,399	1/4	8,024	1/4	9,649	1/4		1/4		1/4			
1/2	1,557	1/2	3,183	1/2	4,808	1/2	6,433	1/2	8,058	1/2	9,683	1/2		1/2		1/2			
3/4	1,591	3/4	3,216	3/4	4,842	3/4	6,467	3/4	8,092	3/4	9,717	3/4		3/4		3/4			

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 AT GAUGE POINT
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 2" DIAMETER PIPE

STRAPPED: 07/11/2014 CL
CALCULATED: 07/12/2014 CL
PRINTED: 07/12/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2014

PRECISION MEASUREMENT
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BARGE "CTCo 331"

3 STBD

INNAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-03"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	20.30	0	372.33	0	736.91	0	1,100.99	0	1,465.52	0	1,830.10	0	2,188.49	0	2,553.00	0	2,917.28	0	3,281.36
1/4	25.52	1/4	379.93	1/4	744.50	1/4	1,108.58	1/4	1,473.12	1/4	1,837.70	1/4	2,196.08	1/4	2,560.60	1/4	2,924.86	1/4	3,288.94
1/2	30.75	1/2	387.52	1/2	752.10	1/2	1,116.17	1/2	1,480.71	1/2	1,845.30	1/2	2,203.67	1/2	2,568.19	1/2	2,932.45	1/2	3,296.52
3/4	35.97	3/4	395.12	3/4	759.69	3/4	1,123.76	3/4	1,488.31	3/4	1,852.89	3/4	2,211.27	3/4	2,575.79	3/4	2,940.04	3/4	3,304.11
1	41.19	1	402.71	1	767.29	1	1,131.34	1	1,495.90	1	1,860.49	1	2,218.86	1	2,583.38	1	2,947.62	1	3,311.69
1/4	48.06	1/4	410.31	1/4	774.88	1/4	1,138.93	1/4	1,503.50	1/4	1,868.08	1/4	2,226.46	1/4	2,590.97	1/4	2,955.21	1/4	3,319.27
1/2	54.93	1/2	417.90	1/2	782.48	1/2	1,146.52	1/2	1,511.09	1/2	1,875.68	1/2	2,234.05	1/2	2,598.57	1/2	2,962.80	1/2	3,326.85
3/4	61.81	3/4	425.50	3/4	790.07	3/4	1,154.11	3/4	1,518.69	3/4	1,883.27	3/4	2,241.65	3/4	2,606.16	3/4	2,970.39	3/4	3,334.43
2	68.68	2	433.10	2	797.67	2	1,161.70	2	1,526.28	2	1,890.87	2	2,249.24	2	2,613.76	2	2,977.97	2	3,342.01
1/4	76.25	1/4	440.69	1/4	805.27	1/4	1,169.30	1/4	1,533.88	1/4	1,898.46	1/4	2,256.83	1/4	2,621.35	1/4	2,985.56	1/4	3,349.57
1/2	83.81	1/2	448.29	1/2	812.86	1/2	1,176.89	1/2	1,541.48	1/2	1,906.06	1/2	2,264.43	1/2	2,628.94	1/2	2,993.15	1/2	3,357.14
3/4	91.38	3/4	455.88	3/4	820.46	3/4	1,184.49	3/4	1,549.07	3/4	1,913.66	3/4	2,272.02	3/4	2,636.54	3/4	3,000.73	3/4	3,364.70
3	98.94	3	463.48	3	828.05	3	1,192.08	3	1,556.67	3	1,921.25	3	2,279.62	3	2,644.13	3	3,008.32	3	3,372.26
1/4	106.53	1/4	471.07	1/4	835.64	1/4	1,199.68	1/4	1,564.26	1/4	1,928.84	1/4	2,287.21	1/4	2,651.72	1/4	3,015.91	1/4	3,379.83
1/2	114.11	1/2	478.67	1/2	843.23	1/2	1,207.27	1/2	1,571.86	1/2	1,936.43	1/2	2,294.80	1/2	2,659.32	1/2	3,023.49	1/2	3,387.39
3/4	121.70	3/4	486.26	3/4	850.83	3/4	1,214.87	3/4	1,579.45	3/4	1,944.01	3/4	2,302.40	3/4	2,666.91	3/4	3,031.08	3/4	3,394.95
4	129.29	4	493.86	4	858.42	4	1,222.46	4	1,587.05	4	1,951.60	4	2,309.99	4	2,674.50	4	3,038.67	4	3,402.52
1/4	136.88	1/4	501.45	1/4	866.00	1/4	1,230.06	1/4	1,594.64	1/4	1,959.16	1/4	2,317.59	1/4	2,682.09	1/4	3,046.25	1/4	3,410.08
1/2	144.48	1/2	509.05	1/2	873.58	1/2	1,237.66	1/2	1,602.24	1/2	1,966.72	1/2	2,325.18	1/2	2,689.67	1/2	3,053.83	1/2	3,417.64
3/4	152.07	3/4	516.64	3/4	881.16	3/4	1,245.25	3/4	1,609.84	3/4	1,974.28	3/4	2,332.77	3/4	2,697.26	3/4	3,061.42	3/4	3,425.21
5	159.66	5	524.24	5	888.74	5	1,252.85	5	1,617.43	5	1,981.84	5	2,340.37	5	2,704.85	5	3,069.00	5	3,432.77
1/4	167.26	1/4	531.83	1/4	896.32	1/4	1,260.44	1/4	1,625.03	1/4	1,989.40	1/4	2,347.96	1/4	2,712.43	1/4	3,076.59	1/4	3,440.33
1/2	174.86	1/2	539.43	1/2	903.90	1/2	1,268.04	1/2	1,632.62	1/2	1,996.96	1/2	2,355.56	1/2	2,720.02	1/2	3,084.17	1/2	3,447.90
3/4	182.45	3/4	547.03	3/4	911.48	3/4	1,275.63	3/4	1,640.22	3/4	2,004.52	3/4	2,363.15	3/4	2,727.61	3/4	3,091.75	3/4	3,455.46
6	190.05	6	554.62	6	919.06	6	1,283.23	6	1,647.81	6	2,012.08	6	2,370.75	6	2,735.19	6	3,099.34	6	3,463.02
1/4	197.64	1/4	562.22	1/4	926.64	1/4	1,290.82	1/4	1,655.41	1/4	2,019.47	1/4	2,378.34	1/4	2,742.78	1/4	3,106.92	1/4	3,470.59
1/2	205.24	1/2	569.81	1/2	934.22	1/2	1,298.42	1/2	1,663.00	1/2	2,026.86	1/2	2,385.93	1/2	2,750.37	1/2	3,114.51	1/2	3,478.15
3/4	212.83	3/4	577.41	3/4	941.80	3/4	1,306.02	3/4	1,670.60	3/4	2,034.25	3/4	2,393.53	3/4	2,757.95	3/4	3,122.09	3/4	3,485.71
7	220.43	7	585.00	7	949.38	7	1,313.61	7	1,678.19	7	2,041.64	7	2,401.12	7	2,765.54	7	3,129.67	7	3,493.28
1/4	228.02	1/4	592.60	1/4	956.96	1/4	1,321.21	1/4	1,685.79	1/4	2,048.51	1/4	2,408.72	1/4	2,773.13	1/4	3,137.26	1/4	3,500.84
1/2	235.62	1/2	600.19	1/2	964.54	1/2	1,328.80	1/2	1,693.39	1/2	2,055.39	1/2	2,416.31	1/2	2,780.72	1/2	3,144.84	1/2	3,508.40
3/4	243.21	3/4	607.79	3/4	972.12	3/4	1,336.40	3/4	1,700.98	3/4	2,062.26	3/4	2,423.90	3/4	2,788.30	3/4	3,152.43	3/4	3,515.97
8	250.81	8	615.38	8	979.70	8	1,343.99	8	1,708.58	8	2,069.14	8	2,431.50	8	2,795.89	8	3,160.01	8	3,523.53
1/4	258.40	1/4	622.98	1/4	987.28	1/4	1,351.59	1/4	1,716.17	1/4	2,076.19	1/4	2,439.09	1/4	2,803.48	1/4	3,167.59	1/4	3,531.09
1/2	266.00	1/2	630.57	1/2	994.86	1/2	1,359.18	1/2	1,723.77	1/2	2,083.25	1/2	2,446.69	1/2	2,811.06	1/2	3,175.18	1/2	3,538.66
3/4	273.59	3/4	638.17	3/4	1,002.44	3/4	1,366.78	3/4	1,731.36	3/4	2,090.30	3/4	2,454.28	3/4	2,818.65	3/4	3,182.76	3/4	3,546.22
9	281.19	9	645.76	9	1,010.02	9	1,374.37	9	1,738.96	9	2,097.36	9	2,461.87	9	2,826.24	9	3,190.35	9	3,553.79
1/4	288.78	1/4	653.36	1/4	1,017.60	1/4	1,381.97	1/4	1,746.55	1/4	2,104.95	1/4	2,469.47	1/4	2,833.82	1/4	3,197.93	1/4	3,561.35
1/2	296.38	1/2	660.95	1/2	1,025.18	1/2	1,389.57	1/2	1,754.15	1/2	2,112.55	1/2	2,477.06	1/2	2,841.41	1/2	3,205.52	1/2	3,568.91
3/4	303.98	3/4	668.55	3/4	1,032.76	3/4	1,397.16	3/4	1,761.75	3/4	2,120.14	3/4	2,484.66	3/4	2,849.00	3/4	3,213.10	3/4	3,576.48
10	311.57	10	676.15	10	1,040.34	10	1,404.76	10	1,769.34	10	2,127.73	10	2,492.25	10	2,856.58	10	3,220.68	10	3,584.04
1/4	319.17	1/4	683.74	1/4	1,047.92	1/4	1,412.35	1/4	1,776.94	1/4	2,135.33	1/4	2,499.84	1/4	2,864.17	1/4	3,228.27	1/4	3,591.60
1/2	326.76	1/2	691.34	1/2	1,055.50	1/2	1,419.95	1/2	1,784.53	1/2	2,142.92	1/2	2,507.44	1/2	2,871.76	1/2	3,235.85	1/2	3,599.17
3/4	334.36	3/4	698.93	3/4	1,063.08	3/4	1,427.54	3/4	1,792.13	3/4	2,150.52	3/4	2,515.03	3/4	2,879.34	3/4	3,243.44	3/4	3,606.73
11	341.95	11	706.53	11	1,070.66	11	1,435.14	11	1,799.72	11	2,158.11	11	2,522.63	11	2,886.93	11	3,251.02	11	3,614.29
1/4	349.55	1/4	714.12	1/4	1,078.25	1/4	1,442.73	1/4	1,807.32	1/4	2,165.70	1/4	2,530.22	1/4	2,894.52	1/4	3,258.60	1/4	3,621.42
1/2	357.14	1/2	721.72	1/2	1,085.83	1/2	1,450.33	1/2	1,814.91	1/2	2,173.30	1/2	2,537.82	1/2	2,902.10	1/2	3,266.19	1/2	3,628.55
3/4	364.74	3/4	729.31	3/4	1,093.41	3/4	1,457.93	3/4	1,822.51	3/4	2,180.89	3/4	2,545.41	3/4	2,909.69	3/4	3,273.77	3/4	3,635.68

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 TO TOP LIP OF 2" HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD

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





BARGE "CTCo 331"

**3 STBD
INNAGE TABLE
HERMETIC
GAUGE HEIGHT 15'-03"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	3,642.81	0	3,843.39	0	4,037.29	0	4,221.21	0	4,398.00	0		0		0		0		0	
1/4	3,648.20	1/4	3,847.46	1/4	4,041.24	1/4	4,224.91	1/4	4,402.03	1/4		1/4		1/4		1/4		1/4	
1/2	3,653.59	1/2	3,851.53	1/2	4,045.18	1/2	4,228.62	1/2	4,406.06	1/2		1/2		1/2		1/2		1/2	
3/4	3,658.98	3/4	3,855.59	3/4	4,049.13	3/4	4,232.32	3/4	4,410.09	3/4		3/4		3/4		3/4		3/4	
1	3,664.37	1	3,859.66	1	4,053.07	1	4,236.03	1	4,414.12	1		1		1		1		1	
1/4	3,668.43	1/4	3,863.73	1/4	4,057.00	1/4	4,239.71	1/4	4,417.96	1/4		1/4		1/4		1/4		1/4	
1/2	3,672.50	1/2	3,867.80	1/2	4,060.92	1/2	4,243.39	1/2	4,421.80	1/2		1/2		1/2		1/2		1/2	
3/4	3,676.57	3/4	3,871.87	3/4	4,064.85	3/4	4,247.07	3/4	4,425.64	3/4		3/4		3/4		3/4		3/4	
2	3,680.64	2	3,875.94	2	4,068.78	2	4,250.75	2	4,429.48	2		2		2		2		2	
1/4	3,684.71	1/4	3,880.01	1/4	4,072.68	1/4	4,254.39	1/4	4,432.37	1/4		1/4		1/4		1/4		1/4	
1/2	3,688.78	1/2	3,884.08	1/2	4,076.59	1/2	4,258.03	1/2	4,435.26	1/2		1/2		1/2		1/2		1/2	
3/4	3,692.85	3/4	3,888.14	3/4	4,080.49	3/4	4,261.67	3/4	4,438.15	3/4		3/4		3/4		3/4		3/4	
3	3,696.92	3	3,892.21	3	4,084.40	3	4,265.32	3	4,441.04	3		3		3		3		3	
1/4	3,700.98	1/4	3,896.28	1/4	4,088.28	1/4	4,268.94	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,705.05	1/2	3,900.35	1/2	4,092.15	1/2	4,272.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,709.12	3/4	3,904.42	3/4	4,096.03	3/4	4,276.19	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,713.19	4	3,908.49	4	4,099.90	4	4,279.81	4		4		4		4		4		4	
1/4	3,717.26	1/4	3,912.56	1/4	4,103.76	1/4	4,283.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,721.33	1/2	3,916.62	1/2	4,107.61	1/2	4,287.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,725.40	3/4	3,920.69	3/4	4,111.46	3/4	4,290.63	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,729.46	5	3,924.76	5	4,115.32	5	4,294.24	5		5		5		5		5		5	
1/4	3,733.53	1/4	3,928.83	1/4	4,119.15	1/4	4,297.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,737.60	1/2	3,932.90	1/2	4,122.99	1/2	4,301.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,741.67	3/4	3,936.96	3/4	4,126.83	3/4	4,305.00	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,745.74	6	3,941.03	6	4,130.66	6	4,308.59	6		6		6		6		6		6	
1/4	3,749.81	1/4	3,945.09	1/4	4,134.48	1/4	4,312.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,753.88	1/2	3,949.15	1/2	4,138.30	1/2	4,315.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,757.95	3/4	3,953.20	3/4	4,142.11	3/4	4,319.29	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,762.01	7	3,957.26	7	4,145.93	7	4,322.86	7		7		7		7		7		7	
1/4	3,766.08	1/4	3,961.30	1/4	4,149.73	1/4	4,326.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,770.15	1/2	3,965.34	1/2	4,153.53	1/2	4,329.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,774.22	3/4	3,969.38	3/4	4,157.33	3/4	4,333.51	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,778.29	8	3,973.42	8	4,161.13	8	4,337.05	8		8		8		8		8		8	
1/4	3,782.36	1/4	3,977.44	1/4	4,164.91	1/4	4,340.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,786.43	1/2	3,981.46	1/2	4,168.70	1/2	4,344.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,790.50	3/4	3,985.48	3/4	4,172.48	3/4	4,347.65	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,794.56	9	3,989.51	9	4,176.26	9	4,351.18	9		9		9		9		9		9	
1/4	3,798.63	1/4	3,993.51	1/4	4,180.02	1/4	4,354.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,802.70	1/2	3,997.51	1/2	4,183.79	1/2	4,358.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,806.77	3/4	4,001.51	3/4	4,187.55	3/4	4,362.12	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,810.84	10	4,005.52	10	4,191.32	10	4,365.77	10		10		10		10		10		10	
1/4	3,814.91	1/4	4,009.50	1/4	4,195.06	1/4	4,369.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,818.98	1/2	4,013.48	1/2	4,198.81	1/2	4,373.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,823.04	3/4	4,017.46	3/4	4,202.55	3/4	4,377.85	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,827.11	11	4,021.44	11	4,206.30	11	4,381.88	11		11		11		11		11		11	
1/4	3,831.18	1/4	4,025.40	1/4	4,210.03	1/4	4,385.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,835.25	1/2	4,029.37	1/2	4,213.75	1/2	4,389.94	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,839.32	3/4	4,033.33	3/4	4,217.48	3/4	4,393.97	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/11/2014 CL
CALCULATED: 07/12/2014 CL
PRINTED: 07/12/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "CTCo 331"

3 PORT INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 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	20.31	0	372.09	0	736.25	0	1,092.73	0	1,453.47	0	1,817.45	0	2,173.16	0	2,534.90	0	2,898.57	0	3,262.04
1/4	25.54	1/4	379.68	1/4	743.84	1/4	1,100.09	1/4	1,461.05	1/4	1,825.04	1/4	2,180.68	1/4	2,542.48	1/4	2,906.14	1/4	3,269.61
1/2	30.76	1/2	387.26	1/2	751.43	1/2	1,107.45	1/2	1,468.64	1/2	1,832.62	1/2	2,188.19	1/2	2,550.06	1/2	2,913.71	1/2	3,277.18
3/4	35.98	3/4	394.85	3/4	759.02	3/4	1,114.81	3/4	1,476.22	3/4	1,840.20	3/4	2,195.71	3/4	2,557.64	3/4	2,921.29	3/4	3,284.75
1	41.21	1	402.43	1	766.60	1	1,122.17	1	1,483.80	1	1,847.79	1	2,203.23	1	2,565.22	1	2,928.86	1	3,292.32
1/4	48.08	1/4	410.02	1/4	774.19	1/4	1,129.53	1/4	1,491.39	1/4	1,855.37	1/4	2,210.75	1/4	2,572.80	1/4	2,936.44	1/4	3,299.89
1/2	54.96	1/2	417.60	1/2	781.78	1/2	1,136.90	1/2	1,498.97	1/2	1,862.95	1/2	2,218.27	1/2	2,580.38	1/2	2,944.01	1/2	3,307.46
3/4	61.84	3/4	425.19	3/4	789.37	3/4	1,144.26	3/4	1,506.55	3/4	1,870.54	3/4	2,225.79	3/4	2,587.97	3/4	2,951.59	3/4	3,315.02
2	68.71	2	432.78	2	796.95	2	1,151.62	2	1,514.13	2	1,878.12	2	2,233.31	2	2,595.55	2	2,959.16	2	3,322.59
1/4	76.28	1/4	440.36	1/4	804.54	1/4	1,159.00	1/4	1,521.72	1/4	1,885.70	1/4	2,240.82	1/4	2,603.13	1/4	2,966.73	1/4	3,330.14
1/2	83.85	1/2	447.95	1/2	812.13	1/2	1,166.37	1/2	1,529.30	1/2	1,893.28	1/2	2,248.34	1/2	2,610.71	1/2	2,974.31	1/2	3,337.69
3/4	91.41	3/4	455.53	3/4	819.71	3/4	1,173.74	3/4	1,536.88	3/4	1,900.87	3/4	2,255.86	3/4	2,618.29	3/4	2,981.88	3/4	3,345.24
3	98.98	3	463.12	3	827.30	3	1,181.11	3	1,544.47	3	1,908.45	3	2,263.38	3	2,625.87	3	2,989.46	3	3,352.79
1/4	106.57	1/4	470.71	1/4	834.83	1/4	1,188.54	1/4	1,552.05	1/4	1,916.01	1/4	2,270.91	1/4	2,633.45	1/4	2,997.03	1/4	3,360.34
1/2	114.15	1/2	478.29	1/2	842.36	1/2	1,195.96	1/2	1,559.63	1/2	1,923.57	1/2	2,278.43	1/2	2,641.03	1/2	3,004.60	1/2	3,367.89
3/4	121.73	3/4	485.88	3/4	849.89	3/4	1,203.39	3/4	1,567.22	3/4	1,931.12	3/4	2,285.96	3/4	2,648.61	3/4	3,012.18	3/4	3,375.44
4	129.32	4	493.46	4	857.41	4	1,210.81	4	1,574.80	4	1,938.68	4	2,293.48	4	2,656.19	4	3,019.75	4	3,383.00
1/4	136.91	1/4	501.05	1/4	864.77	1/4	1,218.40	1/4	1,582.38	1/4	1,946.17	1/4	2,301.02	1/4	2,663.77	1/4	3,027.32	1/4	3,390.55
1/2	144.49	1/2	508.64	1/2	872.12	1/2	1,225.98	1/2	1,589.96	1/2	1,953.65	1/2	2,308.57	1/2	2,671.34	1/2	3,034.89	1/2	3,398.10
3/4	152.08	3/4	516.23	3/4	879.47	3/4	1,233.56	3/4	1,597.55	3/4	1,961.14	3/4	2,316.11	3/4	2,678.91	3/4	3,042.46	3/4	3,405.65
5	159.67	5	523.81	5	886.83	5	1,241.15	5	1,605.13	5	1,968.62	5	2,323.65	5	2,686.49	5	3,050.04	5	3,413.20
1/4	167.26	1/4	531.40	1/4	894.18	1/4	1,248.73	1/4	1,612.71	1/4	1,976.11	1/4	2,331.20	1/4	2,694.06	1/4	3,057.61	1/4	3,420.75
1/2	174.84	1/2	538.99	1/2	901.53	1/2	1,256.31	1/2	1,620.30	1/2	1,983.59	1/2	2,338.74	1/2	2,701.64	1/2	3,065.18	1/2	3,428.30
3/4	182.43	3/4	546.57	3/4	908.89	3/4	1,263.90	3/4	1,627.88	3/4	1,991.07	3/4	2,346.28	3/4	2,709.21	3/4	3,072.75	3/4	3,435.85
6	190.02	6	554.16	6	916.24	6	1,271.48	6	1,635.46	6	1,998.56	6	2,353.82	6	2,716.79	6	3,080.32	6	3,443.40
1/4	197.61	1/4	561.75	1/4	923.59	1/4	1,279.06	1/4	1,643.05	1/4	2,005.87	1/4	2,361.37	1/4	2,724.36	1/4	3,087.89	1/4	3,450.95
1/2	205.19	1/2	569.34	1/2	930.95	1/2	1,286.64	1/2	1,650.63	1/2	2,013.19	1/2	2,368.91	1/2	2,731.93	1/2	3,095.46	1/2	3,458.50
3/4	212.78	3/4	576.92	3/4	938.30	3/4	1,294.23	3/4	1,658.21	3/4	2,020.50	3/4	2,376.45	3/4	2,739.51	3/4	3,103.04	3/4	3,466.05
7	220.37	7	584.51	7	945.65	7	1,301.81	7	1,665.79	7	2,027.81	7	2,384.00	7	2,747.08	7	3,110.61	7	3,473.60
1/4	227.96	1/4	592.10	1/4	953.01	1/4	1,309.39	1/4	1,673.38	1/4	2,034.61	1/4	2,391.54	1/4	2,754.66	1/4	3,118.18	1/4	3,481.16
1/2	235.54	1/2	599.69	1/2	960.36	1/2	1,316.98	1/2	1,680.96	1/2	2,041.41	1/2	2,399.08	1/2	2,762.23	1/2	3,125.75	1/2	3,488.71
3/4	243.13	3/4	607.27	3/4	967.71	3/4	1,324.56	3/4	1,688.54	3/4	2,048.21	3/4	2,406.63	3/4	2,769.80	3/4	3,133.32	3/4	3,496.26
8	250.72	8	614.86	8	975.07	8	1,332.14	8	1,696.13	8	2,055.01	8	2,414.17	8	2,777.38	8	3,140.89	8	3,503.81
1/4	258.30	1/4	622.45	1/4	982.42	1/4	1,339.73	1/4	1,703.71	1/4	2,061.99	1/4	2,421.71	1/4	2,784.95	1/4	3,148.47	1/4	3,511.36
1/2	265.89	1/2	630.03	1/2	989.77	1/2	1,347.31	1/2	1,711.29	1/2	2,068.97	1/2	2,429.25	1/2	2,792.53	1/2	3,156.04	1/2	3,518.91
3/4	273.47	3/4	637.62	3/4	997.13	3/4	1,354.89	3/4	1,718.88	3/4	2,075.95	3/4	2,436.80	3/4	2,800.10	3/4	3,163.61	3/4	3,526.46
9	281.06	9	645.21	9	1,004.48	9	1,362.47	9	1,726.46	9	2,082.93	9	2,444.34	9	2,807.68	9	3,171.18	9	3,534.01
1/4	288.65	1/4	652.80	1/4	1,011.83	1/4	1,370.06	1/4	1,734.04	1/4	2,090.45	1/4	2,451.88	1/4	2,815.25	1/4	3,178.75	1/4	3,541.56
1/2	296.23	1/2	660.38	1/2	1,019.19	1/2	1,377.64	1/2	1,741.62	1/2	2,097.97	1/2	2,459.43	1/2	2,822.82	1/2	3,186.32	1/2	3,549.12
3/4	303.82	3/4	667.97	3/4	1,026.54	3/4	1,385.22	3/4	1,749.21	3/4	2,105.49	3/4	2,466.97	3/4	2,830.40	3/4	3,193.89	3/4	3,556.67
10	311.40	10	675.56	10	1,033.89	10	1,392.81	10	1,756.79	10	2,113.01	10	2,474.51	10	2,837.97	10	3,201.47	10	3,564.22
1/4	318.99	1/4	683.14	1/4	1,041.25	1/4	1,400.39	1/4	1,764.37	1/4	2,120.53	1/4	2,482.06	1/4	2,845.55	1/4	3,209.04	1/4	3,571.79
1/2	326.57	1/2	690.73	1/2	1,048.60	1/2	1,407.97	1/2	1,771.96	1/2	2,128.05	1/2	2,489.60	1/2	2,853.12	1/2	3,216.61	1/2	3,579.35
3/4	334.16	3/4	698.32	3/4	1,055.95	3/4	1,415.56	3/4	1,779.54	3/4	2,135.56	3/4	2,497.14	3/4	2,860.70	3/4	3,224.18	3/4	3,586.91
11	341.75	11	705.91	11	1,063.31	11	1,423.14	11	1,787.12	11	2,143.08	11	2,504.68	11	2,868.27	11	3,231.75	11	3,594.47
1/4	349.33	1/4	713.49	1/4	1,070.66	1/4	1,430.72	1/4	1,794.71	1/4	2,150.60	1/4	2,512.24	1/4	2,875.84	1/4	3,239.32	1/4	3,601.60
1/2	356.92	1/2	721.08	1/2	1,078.02	1/2	1,438.30	1/2	1,802.29	1/2	2,158.12	1/2	2,519.79	1/2	2,883.42	1/2	3,246.89	1/2	3,608.73
3/4	364.50	3/4	728.67	3/4	1,085.37	3/4	1,445.89	3/4	1,809.87	3/4	2,165.64	3/4	2,527.34	3/4	2,890.99	3/4	3,254.47	3/4	3,615.86

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 TO TOP LIP OF 2" HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD

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





BARGE "CTCo 331"

3 PORT INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 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	3,622.99	0	3,823.82	0	4,017.98	0	4,202.16	0	4,379.21	0		0		0		0		0	
1/4	3,628.39	1/4	3,827.90	1/4	4,021.93	1/4	4,205.87	1/4	4,383.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,633.78	1/2	3,831.97	1/2	4,025.88	1/2	4,209.58	1/2	4,387.29	1/2		1/2		1/2		1/2		1/2	
3/4	3,639.18	3/4	3,836.05	3/4	4,029.83	3/4	4,213.29	3/4	4,391.32	3/4		3/4		3/4		3/4		3/4	
1	3,644.57	1	3,840.12	1	4,033.78	1	4,217.00	1	4,395.36	1		1		1		1		1	
1/4	3,648.64	1/4	3,844.19	1/4	4,037.72	1/4	4,220.68	1/4	4,399.20	1/4		1/4		1/4		1/4		1/4	
1/2	3,652.72	1/2	3,848.27	1/2	4,041.65	1/2	4,224.37	1/2	4,403.05	1/2		1/2		1/2		1/2		1/2	
3/4	3,656.79	3/4	3,852.34	3/4	4,045.58	3/4	4,228.06	3/4	4,406.90	3/4		3/4		3/4		3/4		3/4	
2	3,660.86	2	3,856.42	2	4,049.51	2	4,231.74	2	4,410.74	2		2		2		2		2	
1/4	3,664.94	1/4	3,860.49	1/4	4,053.42	1/4	4,235.39	1/4	4,413.64	1/4		1/4		1/4		1/4		1/4	
1/2	3,669.01	1/2	3,864.56	1/2	4,057.33	1/2	4,239.04	1/2	4,416.54	1/2		1/2		1/2		1/2		1/2	
3/4	3,673.09	3/4	3,868.64	3/4	4,061.24	3/4	4,242.68	3/4	4,419.43	3/4		3/4		3/4		3/4		3/4	
3	3,677.16	3	3,872.71	3	4,065.15	3	4,246.33	3	4,422.33	3		3		3		3		3	
1/4	3,681.23	1/4	3,876.79	1/4	4,069.04	1/4	4,249.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,685.31	1/2	3,880.86	1/2	4,072.92	1/2	4,253.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,689.38	3/4	3,884.93	3/4	4,076.80	3/4	4,257.22	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,693.46	4	3,889.01	4	4,080.68	4	4,260.85	4		4		4		4		4		4	
1/4	3,697.53	1/4	3,893.08	1/4	4,084.54	1/4	4,264.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,701.60	1/2	3,897.16	1/2	4,088.40	1/2	4,268.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,705.68	3/4	3,901.23	3/4	4,092.26	3/4	4,271.68	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,709.75	5	3,905.30	5	4,096.12	5	4,275.29	5		5		5		5		5		5	
1/4	3,713.83	1/4	3,909.38	1/4	4,099.96	1/4	4,278.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,717.90	1/2	3,913.45	1/2	4,103.80	1/2	4,282.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,721.97	3/4	3,917.52	3/4	4,107.64	3/4	4,286.08	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,726.05	6	3,921.59	6	4,111.48	6	4,289.67	6		6		6		6		6		6	
1/4	3,730.12	1/4	3,925.66	1/4	4,115.30	1/4	4,293.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,734.20	1/2	3,929.72	1/2	4,119.13	1/2	4,296.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,738.27	3/4	3,933.78	3/4	4,122.95	3/4	4,300.39	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,742.34	7	3,937.85	7	4,126.77	7	4,303.97	7		7		7		7		7		7	
1/4	3,746.42	1/4	3,941.89	1/4	4,130.58	1/4	4,307.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,750.49	1/2	3,945.94	1/2	4,134.38	1/2	4,311.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,754.57	3/4	3,949.98	3/4	4,138.19	3/4	4,314.63	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,758.64	8	3,954.02	8	4,142.00	8	4,318.18	8		8		8		8		8		8	
1/4	3,762.71	1/4	3,958.05	1/4	4,145.78	1/4	4,321.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,766.79	1/2	3,962.08	1/2	4,149.57	1/2	4,325.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,770.86	3/4	3,966.11	3/4	4,153.36	3/4	4,328.79	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,774.94	9	3,970.13	9	4,157.14	9	4,332.33	9		9		9		9		9		9	
1/4	3,779.01	1/4	3,974.14	1/4	4,160.91	1/4	4,335.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,783.08	1/2	3,978.15	1/2	4,164.68	1/2	4,339.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,787.16	3/4	3,982.16	3/4	4,168.45	3/4	4,343.28	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,791.23	10	3,986.16	10	4,172.22	10	4,346.94	10		10		10		10		10		10	
1/4	3,795.31	1/4	3,990.15	1/4	4,175.97	1/4	4,350.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,799.38	1/2	3,994.14	1/2	4,179.72	1/2	4,355.01	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,803.45	3/4	3,998.12	3/4	4,183.48	3/4	4,359.04	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,807.53	11	4,002.11	11	4,187.23	11	4,363.08	11		11		11		11		11		11	
1/4	3,811.60	1/4	4,006.08	1/4	4,190.96	1/4	4,367.11	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,815.68	1/2	4,010.05	1/2	4,194.69	1/2	4,371.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,819.75	3/4	4,014.01	3/4	4,198.42	3/4	4,375.18	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/11/2014 CL
CALCULATED: 07/12/2014 CL
PRINTED: 07/12/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CTCo 331"

2 STBD

INNAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-03 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	19.17	0	351.23	0	695.13	0	1,038.61	0	1,382.48	0	1,726.38	0	2,064.41	0	2,408.25	0	2,752.09	0	3,095.79
1/4	24.10	1/4	358.40	1/4	702.29	1/4	1,045.77	1/4	1,389.64	1/4	1,733.55	1/4	2,071.58	1/4	2,415.42	1/4	2,759.25	1/4	3,102.95
1/2	29.02	1/2	365.56	1/2	709.46	1/2	1,052.93	1/2	1,396.81	1/2	1,740.71	1/2	2,078.74	1/2	2,422.58	1/2	2,766.42	1/2	3,110.11
3/4	33.95	3/4	372.73	3/4	716.62	3/4	1,060.09	3/4	1,403.97	3/4	1,747.88	3/4	2,085.90	3/4	2,429.74	3/4	2,773.58	3/4	3,117.27
1	38.87	1	379.89	1	723.79	1	1,067.25	1	1,411.14	1	1,755.04	1	2,093.07	1	2,436.91	1	2,780.74	1	3,124.43
1/4	45.36	1/4	387.06	1/4	730.95	1/4	1,074.41	1/4	1,418.30	1/4	1,762.21	1/4	2,100.23	1/4	2,444.07	1/4	2,787.91	1/4	3,131.59
1/2	51.84	1/2	394.22	1/2	738.12	1/2	1,081.57	1/2	1,425.47	1/2	1,769.37	1/2	2,107.39	1/2	2,451.23	1/2	2,795.07	1/2	3,138.75
3/4	58.32	3/4	401.39	3/4	745.28	3/4	1,088.73	3/4	1,432.63	3/4	1,776.54	3/4	2,114.56	3/4	2,458.40	3/4	2,802.23	3/4	3,145.91
2	64.81	2	408.55	2	752.45	2	1,095.89	2	1,439.80	2	1,783.70	2	2,121.72	2	2,465.56	2	2,809.40	2	3,153.07
1/4	71.94	1/4	415.71	1/4	759.61	1/4	1,103.05	1/4	1,446.96	1/4	1,790.87	1/4	2,128.88	1/4	2,472.72	1/4	2,816.56	1/4	3,160.23
1/2	79.08	1/2	422.88	1/2	766.78	1/2	1,110.22	1/2	1,454.12	1/2	1,798.03	1/2	2,136.05	1/2	2,479.89	1/2	2,823.72	1/2	3,167.38
3/4	86.21	3/4	430.04	3/4	773.94	3/4	1,117.38	3/4	1,461.29	3/4	1,805.19	3/4	2,143.21	3/4	2,487.05	3/4	2,830.89	3/4	3,174.54
3	93.35	3	437.21	3	781.10	3	1,124.55	3	1,468.45	3	1,812.36	3	2,150.37	3	2,494.21	3	2,838.05	3	3,181.70
1/4	100.50	1/4	444.37	1/4	788.26	1/4	1,131.71	1/4	1,475.62	1/4	1,819.52	1/4	2,157.54	1/4	2,501.38	1/4	2,845.21	1/4	3,188.86
1/2	107.66	1/2	451.54	1/2	795.43	1/2	1,138.88	1/2	1,482.78	1/2	1,826.67	1/2	2,164.70	1/2	2,508.54	1/2	2,852.37	1/2	3,196.02
3/4	114.82	3/4	458.70	3/4	802.59	3/4	1,146.04	3/4	1,489.95	3/4	1,833.83	3/4	2,171.86	3/4	2,515.70	3/4	2,859.53	3/4	3,203.18
4	121.97	4	465.87	4	809.75	4	1,153.21	4	1,497.11	4	1,840.98	4	2,179.03	4	2,522.87	4	2,866.69	4	3,210.34
1/4	129.14	1/4	473.03	1/4	816.90	1/4	1,160.37	1/4	1,504.28	1/4	1,848.11	1/4	2,186.19	1/4	2,530.03	1/4	2,873.85	1/4	3,217.50
1/2	136.30	1/2	480.20	1/2	824.05	1/2	1,167.54	1/2	1,511.44	1/2	1,855.24	1/2	2,193.35	1/2	2,537.19	1/2	2,881.01	1/2	3,224.66
3/4	143.46	3/4	487.36	3/4	831.20	3/4	1,174.70	3/4	1,518.61	3/4	1,862.37	3/4	2,200.52	3/4	2,544.36	3/4	2,888.17	3/4	3,231.82
5	150.63	5	494.52	5	838.35	5	1,181.87	5	1,525.77	5	1,869.50	5	2,207.68	5	2,551.52	5	2,895.33	5	3,238.98
1/4	157.79	1/4	501.69	1/4	845.51	1/4	1,189.03	1/4	1,532.94	1/4	1,876.63	1/4	2,214.84	1/4	2,558.68	1/4	2,902.49	1/4	3,246.14
1/2	164.96	1/2	508.85	1/2	852.66	1/2	1,196.20	1/2	1,540.10	1/2	1,883.76	1/2	2,222.01	1/2	2,565.85	1/2	2,909.65	1/2	3,253.30
3/4	172.12	3/4	516.02	3/4	859.81	3/4	1,203.36	3/4	1,547.27	3/4	1,890.89	3/4	2,229.17	3/4	2,573.01	3/4	2,916.81	3/4	3,260.46
6	179.29	6	523.18	6	866.96	6	1,210.52	6	1,554.43	6	1,898.02	6	2,236.33	6	2,580.17	6	2,923.97	6	3,267.61
1/4	186.45	1/4	530.35	1/4	874.11	1/4	1,217.69	1/4	1,561.59	1/4	1,904.98	1/4	2,243.50	1/4	2,587.34	1/4	2,931.13	1/4	3,274.77
1/2	193.62	1/2	537.51	1/2	881.27	1/2	1,224.85	1/2	1,568.76	1/2	1,911.95	1/2	2,250.66	1/2	2,594.50	1/2	2,938.29	1/2	3,281.93
3/4	200.78	3/4	544.68	3/4	888.42	3/4	1,232.02	3/4	1,575.92	3/4	1,918.92	3/4	2,257.82	3/4	2,601.66	3/4	2,945.45	3/4	3,289.09
7	207.94	7	551.84	7	895.57	7	1,239.18	7	1,583.09	7	1,925.89	7	2,264.99	7	2,608.83	7	2,952.61	7	3,296.25
1/4	215.11	1/4	559.00	1/4	902.72	1/4	1,246.35	1/4	1,590.25	1/4	1,932.38	1/4	2,272.15	1/4	2,615.99	1/4	2,959.76	1/4	3,303.41
1/2	222.27	1/2	566.17	1/2	909.87	1/2	1,253.51	1/2	1,597.42	1/2	1,938.86	1/2	2,279.31	1/2	2,623.15	1/2	2,966.92	1/2	3,310.57
3/4	229.44	3/4	573.33	3/4	917.02	3/4	1,260.68	3/4	1,604.58	3/4	1,945.35	3/4	2,286.48	3/4	2,630.31	3/4	2,974.08	3/4	3,317.73
8	236.60	8	580.50	8	924.18	8	1,267.84	8	1,611.75	8	1,951.83	8	2,293.64	8	2,637.48	8	2,981.24	8	3,324.89
1/4	243.77	1/4	587.66	1/4	931.33	1/4	1,275.01	1/4	1,618.91	1/4	1,958.49	1/4	2,300.80	1/4	2,644.64	1/4	2,988.40	1/4	3,332.05
1/2	250.93	1/2	594.83	1/2	938.48	1/2	1,282.17	1/2	1,626.08	1/2	1,965.14	1/2	2,307.97	1/2	2,651.80	1/2	2,995.56	1/2	3,339.21
3/4	258.10	3/4	601.99	3/4	945.63	3/4	1,289.34	3/4	1,633.24	3/4	1,971.80	3/4	2,315.13	3/4	2,658.97	3/4	3,002.72	3/4	3,346.37
9	265.26	9	609.16	9	952.78	9	1,296.50	9	1,640.41	9	1,978.45	9	2,322.29	9	2,666.13	9	3,009.88	9	3,353.53
1/4	272.42	1/4	616.32	1/4	959.94	1/4	1,303.67	1/4	1,647.57	1/4	1,985.62	1/4	2,329.46	1/4	2,673.29	1/4	3,017.04	1/4	3,360.69
1/2	279.59	1/2	623.49	1/2	967.09	1/2	1,310.83	1/2	1,654.74	1/2	1,992.78	1/2	2,336.62	1/2	2,680.46	1/2	3,024.20	1/2	3,367.84
3/4	286.75	3/4	630.65	3/4	974.24	3/4	1,318.00	3/4	1,661.90	3/4	1,999.94	3/4	2,343.78	3/4	2,687.62	3/4	3,031.36	3/4	3,375.00
10	293.92	10	637.81	10	981.39	10	1,325.16	10	1,669.07	10	2,007.11	10	2,350.95	10	2,694.78	10	3,038.52	10	3,382.16
1/4	301.08	1/4	644.98	1/4	988.54	1/4	1,332.32	1/4	1,676.23	1/4	2,014.27	1/4	2,358.11	1/4	2,701.95	1/4	3,045.68	1/4	3,389.32
1/2	308.25	1/2	652.14	1/2	995.69	1/2	1,339.49	1/2	1,683.39	1/2	2,021.43	1/2	2,365.27	1/2	2,709.11	1/2	3,052.84	1/2	3,396.48
3/4	315.41	3/4	659.31	3/4	1,002.85	3/4	1,346.65	3/4	1,690.56	3/4	2,028.60	3/4	2,372.44	3/4	2,716.27	3/4	3,059.99	3/4	3,403.64
11	322.58	11	666.47	11	1,010.00	11	1,353.82	11	1,697.72	11	2,035.76	11	2,379.60	11	2,723.44	11	3,067.15	11	3,410.80
1/4	329.74	1/4	673.64	1/4	1,017.15	1/4	1,360.98	1/4	1,704.89	1/4	2,042.92	1/4	2,386.76	1/4	2,730.60	1/4	3,074.31	1/4	3,417.96
1/2	336.91	1/2	680.80	1/2	1,024.30	1/2	1,368.15	1/2	1,712.05	1/2	2,050.09	1/2	2,393.93	1/2	2,737.76	1/2	3,081.47	1/2	3,425.12
3/4	344.07	3/4	687.97	3/4	1,031.46	3/4	1,375.31	3/4	1,719.22	3/4	2,057.25	3/4	2,401.09	3/4	2,744.93	3/4	3,088.63	3/4	3,432.28

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 TO TOP LIP OF 2" HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 40'-00" FORWARD OF AFT BULKHEAD

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



BARGE "CTCo 331"

2 STBD

INNAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-03 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	3,439.44	0	3,783.08	0	4,124.27	0	4,448.05	0	4,759.71	0		0		0		0		0	
1/4	3,446.60	1/4	3,790.24	1/4	4,131.21	1/4	4,454.58	1/4	4,766.82	1/4		1/4		1/4		1/4		1/4	
1/2	3,453.76	1/2	3,797.40	1/2	4,138.15	1/2	4,461.10	1/2	4,773.92	1/2		1/2		1/2		1/2		1/2	
3/4	3,460.92	3/4	3,804.56	3/4	4,145.09	3/4	4,467.63	3/4	4,781.02	3/4		3/4		3/4		3/4		3/4	
1	3,468.08	1	3,811.72	1	4,152.03	1	4,474.15	1	4,788.12	1		1		1		1		1	
1/4	3,475.23	1/4	3,818.88	1/4	4,158.94	1/4	4,480.64	1/4	4,795.05	1/4		1/4		1/4		1/4		1/4	
1/2	3,482.39	1/2	3,826.04	1/2	4,165.85	1/2	4,487.12	1/2	4,801.97	1/2		1/2		1/2		1/2		1/2	
3/4	3,489.55	3/4	3,833.20	3/4	4,172.76	3/4	4,493.60	3/4	4,808.89	3/4		3/4		3/4		3/4		3/4	
2	3,496.71	2	3,840.36	2	4,179.67	2	4,500.08	2	4,815.82	2		2		2		2		2	
1/4	3,503.87	1/4	3,847.52	1/4	4,186.55	1/4	4,506.51	1/4	4,821.85	1/4		1/4		1/4		1/4		1/4	
1/2	3,511.03	1/2	3,854.68	1/2	4,193.42	1/2	4,512.93	1/2	4,827.87	1/2		1/2		1/2		1/2		1/2	
3/4	3,518.19	3/4	3,861.84	3/4	4,200.29	3/4	4,519.35	3/4	4,833.90	3/4		3/4		3/4		3/4		3/4	
3	3,525.35	3	3,869.00	3	4,207.17	3	4,525.77	3	4,839.93	3		3		3		3		3	
1/4	3,532.51	1/4	3,876.16	1/4	4,213.99	1/4	4,532.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,539.67	1/2	3,883.31	1/2	4,220.81	1/2	4,538.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,546.83	3/4	3,890.47	3/4	4,227.64	3/4	4,544.94	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,553.99	4	3,897.63	4	4,234.46	4	4,551.33	4		4		4		4		4		4	
1/4	3,561.15	1/4	3,904.79	1/4	4,241.25	1/4	4,557.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,568.31	1/2	3,911.95	1/2	4,248.03	1/2	4,564.05	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,575.46	3/4	3,919.11	3/4	4,254.82	3/4	4,570.41	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,582.62	5	3,926.27	5	4,261.60	5	4,576.77	5		5		5		5		5		5	
1/4	3,589.78	1/4	3,933.42	1/4	4,268.36	1/4	4,583.09	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,596.94	1/2	3,940.58	1/2	4,275.11	1/2	4,589.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,604.10	3/4	3,947.73	3/4	4,281.87	3/4	4,595.75	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,611.26	6	3,954.88	6	4,288.62	6	4,602.07	6		6		6		6		6		6	
1/4	3,618.42	1/4	3,962.02	1/4	4,295.34	1/4	4,608.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,625.58	1/2	3,969.16	1/2	4,302.07	1/2	4,614.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,632.74	3/4	3,976.30	3/4	4,308.79	3/4	4,620.95	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,639.90	7	3,983.44	7	4,315.51	7	4,627.25	7		7		7		7		7		7	
1/4	3,647.06	1/4	3,990.55	1/4	4,322.20	1/4	4,633.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,654.22	1/2	3,997.66	1/2	4,328.89	1/2	4,639.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,661.38	3/4	4,004.77	3/4	4,335.58	3/4	4,646.02	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,668.54	8	4,011.88	8	4,342.27	8	4,652.27	8		8		8		8		8		8	
1/4	3,675.69	1/4	4,018.95	1/4	4,348.93	1/4	4,658.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,682.85	1/2	4,026.03	1/2	4,355.59	1/2	4,664.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,690.01	3/4	4,033.10	3/4	4,362.25	3/4	4,670.96	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,697.17	9	4,040.18	9	4,368.91	9	4,677.19	9		9		9		9		9		9	
1/4	3,704.33	1/4	4,047.22	1/4	4,375.54	1/4	4,683.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,711.49	1/2	4,054.27	1/2	4,382.17	1/2	4,690.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,718.65	3/4	4,061.31	3/4	4,388.79	3/4	4,696.47	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,725.81	10	4,068.35	10	4,395.42	10	4,702.90	10		10		10		10		10		10	
1/4	3,732.97	1/4	4,075.36	1/4	4,402.02	1/4	4,710.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,740.13	1/2	4,082.36	1/2	4,408.61	1/2	4,717.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,747.29	3/4	4,089.37	3/4	4,415.21	3/4	4,724.21	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,754.45	11	4,096.37	11	4,421.80	11	4,731.31	11		11		11		11		11		11	
1/4	3,761.61	1/4	4,103.35	1/4	4,428.37	1/4	4,738.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,768.77	1/2	4,110.32	1/2	4,434.93	1/2	4,745.51	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,775.92	3/4	4,117.29	3/4	4,441.49	3/4	4,752.61	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/11/2014 CL
 CALCULATED: 07/12/2014 CL
 PRINTED: 07/12/2014 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 07/2014

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



BARGE "CTCo 331"

2 PORT INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	19.17	0	351.23	0	695.13	0	1,029.00	0	1,368.56	0	1,712.47	0	2,050.49	0	2,394.33	0	2,738.17	0	3,081.87
1/4	24.10	1/4	358.40	1/4	702.30	1/4	1,035.87	1/4	1,375.73	1/4	1,719.63	1/4	2,057.66	1/4	2,401.49	1/4	2,745.33	1/4	3,089.03
1/2	29.02	1/2	365.56	1/2	709.46	1/2	1,042.73	1/2	1,382.89	1/2	1,726.80	1/2	2,064.82	1/2	2,408.66	1/2	2,752.50	1/2	3,096.19
3/4	33.95	3/4	372.73	3/4	716.62	3/4	1,049.60	3/4	1,390.06	3/4	1,733.96	3/4	2,071.98	3/4	2,415.82	3/4	2,759.66	3/4	3,103.34
1	38.87	1	379.89	1	723.79	1	1,056.47	1	1,397.22	1	1,741.13	1	2,079.15	1	2,422.98	1	2,766.82	1	3,110.50
1/4	45.36	1/4	387.06	1/4	730.95	1/4	1,063.34	1/4	1,404.39	1/4	1,748.29	1/4	2,086.31	1/4	2,430.15	1/4	2,773.99	1/4	3,117.66
1/2	51.84	1/2	394.22	1/2	738.12	1/2	1,070.21	1/2	1,411.55	1/2	1,755.46	1/2	2,093.47	1/2	2,437.31	1/2	2,781.15	1/2	3,124.82
3/4	58.32	3/4	401.39	3/4	745.28	3/4	1,077.08	3/4	1,418.71	3/4	1,762.62	3/4	2,100.64	3/4	2,444.47	3/4	2,788.31	3/4	3,131.98
2	64.81	2	408.55	2	752.45	2	1,083.95	2	1,425.88	2	1,769.78	2	2,107.80	2	2,451.64	2	2,795.48	2	3,139.14
1/4	71.94	1/4	415.72	1/4	759.61	1/4	1,090.84	1/4	1,433.04	1/4	1,776.95	1/4	2,114.96	1/4	2,458.80	1/4	2,802.64	1/4	3,146.30
1/2	79.08	1/2	422.88	1/2	766.78	1/2	1,097.72	1/2	1,440.21	1/2	1,784.11	1/2	2,122.13	1/2	2,465.96	1/2	2,809.80	1/2	3,153.46
3/4	86.21	3/4	430.04	3/4	773.94	3/4	1,104.60	3/4	1,447.37	3/4	1,791.28	3/4	2,129.29	3/4	2,473.13	3/4	2,816.97	3/4	3,160.62
3	93.35	3	437.21	3	781.10	3	1,111.48	3	1,454.54	3	1,798.44	3	2,136.45	3	2,480.29	3	2,824.13	3	3,167.78
1/4	100.51	1/4	444.37	1/4	788.19	1/4	1,118.43	1/4	1,461.70	1/4	1,805.60	1/4	2,143.62	1/4	2,487.45	1/4	2,831.29	1/4	3,174.94
1/2	107.66	1/2	451.54	1/2	795.28	1/2	1,125.39	1/2	1,468.87	1/2	1,812.76	1/2	2,150.78	1/2	2,494.62	1/2	2,838.45	1/2	3,182.10
3/4	114.82	3/4	458.70	3/4	802.37	3/4	1,132.34	3/4	1,476.03	3/4	1,819.91	3/4	2,157.94	3/4	2,501.78	3/4	2,845.61	3/4	3,189.25
4	121.97	4	465.87	4	809.46	4	1,139.29	4	1,483.20	4	1,827.07	4	2,165.11	4	2,508.94	4	2,852.77	4	3,196.41
1/4	129.14	1/4	473.03	1/4	816.32	1/4	1,146.46	1/4	1,490.36	1/4	1,834.20	1/4	2,172.27	1/4	2,516.11	1/4	2,859.93	1/4	3,203.57
1/2	136.30	1/2	480.20	1/2	823.18	1/2	1,153.62	1/2	1,497.53	1/2	1,841.33	1/2	2,179.43	1/2	2,523.27	1/2	2,867.09	1/2	3,210.73
3/4	143.47	3/4	487.36	3/4	830.04	3/4	1,160.79	3/4	1,504.69	3/4	1,848.45	3/4	2,186.60	3/4	2,530.43	3/4	2,874.25	3/4	3,217.89
5	150.63	5	494.52	5	836.90	5	1,167.95	5	1,511.86	5	1,855.58	5	2,193.76	5	2,537.60	5	2,881.41	5	3,225.05
1/4	157.79	1/4	501.69	1/4	843.76	1/4	1,175.11	1/4	1,519.02	1/4	1,862.71	1/4	2,200.92	1/4	2,544.76	1/4	2,888.57	1/4	3,232.21
1/2	164.96	1/2	508.85	1/2	850.62	1/2	1,182.28	1/2	1,526.19	1/2	1,869.84	1/2	2,208.09	1/2	2,551.92	1/2	2,895.73	1/2	3,239.37
3/4	172.12	3/4	516.02	3/4	857.48	3/4	1,189.44	3/4	1,533.35	3/4	1,876.97	3/4	2,215.25	3/4	2,559.09	3/4	2,902.89	3/4	3,246.53
6	179.29	6	523.18	6	864.34	6	1,196.61	6	1,540.51	6	1,884.10	6	2,222.41	6	2,566.25	6	2,910.05	6	3,253.69
1/4	186.45	1/4	530.35	1/4	871.20	1/4	1,203.77	1/4	1,547.68	1/4	1,891.07	1/4	2,229.58	1/4	2,573.41	1/4	2,917.21	1/4	3,260.85
1/2	193.62	1/2	537.51	1/2	878.06	1/2	1,210.94	1/2	1,554.84	1/2	1,898.04	1/2	2,236.74	1/2	2,580.58	1/2	2,924.36	1/2	3,268.01
3/4	200.78	3/4	544.68	3/4	884.92	3/4	1,218.10	3/4	1,562.01	3/4	1,905.00	3/4	2,243.90	3/4	2,587.74	3/4	2,931.52	3/4	3,275.17
7	207.94	7	551.84	7	891.78	7	1,225.27	7	1,569.17	7	1,911.97	7	2,251.07	7	2,594.90	7	2,938.68	7	3,282.32
1/4	215.11	1/4	559.01	1/4	898.64	1/4	1,232.43	1/4	1,576.34	1/4	1,918.46	1/4	2,258.23	1/4	2,602.07	1/4	2,945.84	1/4	3,289.48
1/2	222.27	1/2	566.17	1/2	905.50	1/2	1,239.60	1/2	1,583.50	1/2	1,924.94	1/2	2,265.39	1/2	2,609.23	1/2	2,953.00	1/2	3,296.64
3/4	229.44	3/4	573.33	3/4	912.36	3/4	1,246.76	3/4	1,590.67	3/4	1,931.43	3/4	2,272.56	3/4	2,616.39	3/4	2,960.16	3/4	3,303.80
8	236.60	8	580.50	8	919.22	8	1,253.93	8	1,597.83	8	1,937.91	8	2,279.72	8	2,623.56	8	2,967.32	8	3,310.96
1/4	243.77	1/4	587.66	1/4	926.08	1/4	1,261.09	1/4	1,605.00	1/4	1,944.57	1/4	2,286.88	1/4	2,630.72	1/4	2,974.48	1/4	3,318.12
1/2	250.93	1/2	594.83	1/2	932.94	1/2	1,268.26	1/2	1,612.16	1/2	1,951.22	1/2	2,294.05	1/2	2,637.88	1/2	2,981.64	1/2	3,325.28
3/4	258.10	3/4	601.99	3/4	939.80	3/4	1,275.42	3/4	1,619.33	3/4	1,957.88	3/4	2,301.21	3/4	2,645.05	3/4	2,988.80	3/4	3,332.44
9	265.26	9	609.16	9	946.66	9	1,282.59	9	1,626.49	9	1,964.53	9	2,308.37	9	2,652.21	9	2,995.96	9	3,339.60
1/4	272.43	1/4	616.32	1/4	953.52	1/4	1,289.75	1/4	1,633.66	1/4	1,971.70	1/4	2,315.54	1/4	2,659.37	1/4	3,003.12	1/4	3,346.76
1/2	279.59	1/2	623.49	1/2	960.39	1/2	1,296.91	1/2	1,640.82	1/2	1,978.86	1/2	2,322.70	1/2	2,666.54	1/2	3,010.27	1/2	3,353.92
3/4	286.75	3/4	630.65	3/4	967.25	3/4	1,304.08	3/4	1,647.99	3/4	1,986.02	3/4	2,329.86	3/4	2,673.70	3/4	3,017.43	3/4	3,361.08
10	293.92	10	637.81	10	974.11	10	1,311.24	10	1,655.15	10	1,993.19	10	2,337.02	10	2,680.86	10	3,024.59	10	3,368.23
1/4	301.08	1/4	644.98	1/4	980.97	1/4	1,318.41	1/4	1,662.31	1/4	2,000.35	1/4	2,344.19	1/4	2,688.03	1/4	3,031.75	1/4	3,375.39
1/2	308.25	1/2	652.14	1/2	987.83	1/2	1,325.57	1/2	1,669.48	1/2	2,007.51	1/2	2,351.35	1/2	2,695.19	1/2	3,038.91	1/2	3,382.55
3/4	315.41	3/4	659.31	3/4	994.69	3/4	1,332.74	3/4	1,676.64	3/4	2,014.68	3/4	2,358.51	3/4	2,702.35	3/4	3,046.07	3/4	3,389.71
11	322.58	11	666.47	11	1,001.55	11	1,339.90	11	1,683.81	11	2,021.84	11	2,365.68	11	2,709.52	11	3,053.23	11	3,396.87
1/4	329.74	1/4	673.64	1/4	1,008.41	1/4	1,347.07	1/4	1,690.97	1/4	2,029.00	1/4	2,372.84	1/4	2,716.68	1/4	3,060.39	1/4	3,404.03
1/2	336.91	1/2	680.80	1/2	1,015.27	1/2	1,354.23	1/2	1,698.14	1/2	2,036.17	1/2	2,380.00	1/2	2,723.84	1/2	3,067.55	1/2	3,411.19
3/4	344.07	3/4	687.97	3/4	1,022.14	3/4	1,361.40	3/4	1,705.30	3/4	2,043.33	3/4	2,387.17	3/4	2,731.01	3/4	3,074.71	3/4	3,418.35

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 40'-00" FORWARD OF AFT BULKHEAD

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





BARGE "CTCo 331"

2 PORT INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,425.51	0	3,769.15	0	4,110.34	0	4,434.11	0	4,745.74	0		0		0		0		0	
1/4	3,432.67	1/4	3,776.31	1/4	4,117.28	1/4	4,440.64	1/4	4,752.85	1/4		1/4		1/4		1/4		1/4	
1/2	3,439.83	1/2	3,783.47	1/2	4,124.22	1/2	4,447.16	1/2	4,759.95	1/2		1/2		1/2		1/2		1/2	
3/4	3,446.99	3/4	3,790.63	3/4	4,131.17	3/4	4,453.68	3/4	4,767.05	3/4		3/4		3/4		3/4		3/4	
1	3,454.15	1	3,797.79	1	4,138.11	1	4,460.21	1	4,774.15	1		1		1		1		1	
1/4	3,461.30	1/4	3,804.95	1/4	4,145.02	1/4	4,466.69	1/4	4,781.08	1/4		1/4		1/4		1/4		1/4	
1/2	3,468.46	1/2	3,812.11	1/2	4,151.93	1/2	4,473.17	1/2	4,788.00	1/2		1/2		1/2		1/2		1/2	
3/4	3,475.62	3/4	3,819.26	3/4	4,158.84	3/4	4,479.66	3/4	4,794.93	3/4		3/4		3/4		3/4		3/4	
2	3,482.78	2	3,826.42	2	4,165.75	2	4,486.14	2	4,801.85	2		2		2		2		2	
1/4	3,489.94	1/4	3,833.58	1/4	4,172.62	1/4	4,492.56	1/4	4,807.88	1/4		1/4		1/4		1/4		1/4	
1/2	3,497.10	1/2	3,840.74	1/2	4,179.49	1/2	4,498.98	1/2	4,813.91	1/2		1/2		1/2		1/2		1/2	
3/4	3,504.26	3/4	3,847.90	3/4	4,186.37	3/4	4,505.40	3/4	4,819.94	3/4		3/4		3/4		3/4		3/4	
3	3,511.42	3	3,855.06	3	4,193.24	3	4,511.82	3	4,825.96	3		3		3		3		3	
1/4	3,518.58	1/4	3,862.22	1/4	4,200.06	1/4	4,518.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,525.74	1/2	3,869.38	1/2	4,206.89	1/2	4,524.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,532.90	3/4	3,876.54	3/4	4,213.71	3/4	4,530.99	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,540.06	4	3,883.70	4	4,220.53	4	4,537.38	4		4		4		4		4		4	
1/4	3,547.21	1/4	3,890.86	1/4	4,227.32	1/4	4,543.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,554.37	1/2	3,898.02	1/2	4,234.10	1/2	4,550.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,561.53	3/4	3,905.17	3/4	4,240.89	3/4	4,556.45	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,568.69	5	3,912.33	5	4,247.68	5	4,562.81	5		5		5		5		5		5	
1/4	3,575.85	1/4	3,919.49	1/4	4,254.43	1/4	4,569.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,583.01	1/2	3,926.65	1/2	4,261.18	1/2	4,575.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,590.17	3/4	3,933.81	3/4	4,267.94	3/4	4,581.79	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,597.33	6	3,940.96	6	4,274.69	6	4,588.12	6		6		6		6		6		6	
1/4	3,604.49	1/4	3,948.10	1/4	4,281.41	1/4	4,594.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,611.65	1/2	3,955.24	1/2	4,288.13	1/2	4,600.70	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,618.81	3/4	3,962.38	3/4	4,294.86	3/4	4,606.99	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,625.97	7	3,969.52	7	4,301.58	7	4,613.29	7		7		7		7		7		7	
1/4	3,633.13	1/4	3,976.63	1/4	4,308.27	1/4	4,619.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,640.28	1/2	3,983.74	1/2	4,314.96	1/2	4,625.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,647.44	3/4	3,990.85	3/4	4,321.65	3/4	4,632.05	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,654.60	8	3,997.95	8	4,328.34	8	4,638.31	8		8		8		8		8		8	
1/4	3,661.76	1/4	4,005.03	1/4	4,335.00	1/4	4,644.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,668.92	1/2	4,012.11	1/2	4,341.66	1/2	4,650.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,676.08	3/4	4,019.18	3/4	4,348.32	3/4	4,656.99	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,683.24	9	4,026.26	9	4,354.97	9	4,663.22	9		9		9		9		9		9	
1/4	3,690.40	1/4	4,033.30	1/4	4,361.60	1/4	4,669.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,697.56	1/2	4,040.34	1/2	4,368.23	1/2	4,676.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,704.72	3/4	4,047.39	3/4	4,374.86	3/4	4,682.50	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,711.88	10	4,054.43	10	4,381.48	10	4,688.93	10		10		10		10		10		10	
1/4	3,719.04	1/4	4,061.43	1/4	4,388.08	1/4	4,696.03	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,726.19	1/2	4,068.44	1/2	4,394.67	1/2	4,703.13	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,733.35	3/4	4,075.44	3/4	4,401.27	3/4	4,710.24	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,740.51	11	4,082.45	11	4,407.86	11	4,717.34	11		11		11		11		11		11	
1/4	3,747.67	1/4	4,089.42	1/4	4,414.43	1/4	4,724.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,754.83	1/2	4,096.40	1/2	4,420.99	1/2	4,731.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,761.99	3/4	4,103.37	3/4	4,427.55	3/4	4,738.64	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/11/2014 CL
CALCULATED: 07/12/2014 CL
PRINTED: 07/12/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CTCo 331"

1 STBD

INNAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-03 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	19.12	0	315.72	0	670.63	0	1,036.32	0	1,402.42	0	1,768.56	0	2,128.48	0	2,494.55	0	2,860.62	0	3,226.56
1/4	23.01	1/4	322.70	1/4	678.26	1/4	1,043.94	1/4	1,410.05	1/4	1,776.19	1/4	2,136.10	1/4	2,502.18	1/4	2,868.25	1/4	3,234.19
1/2	26.89	1/2	329.68	1/2	685.89	1/2	1,051.57	1/2	1,417.68	1/2	1,783.82	1/2	2,143.73	1/2	2,509.80	1/2	2,875.87	1/2	3,241.81
3/4	30.78	3/4	336.66	3/4	693.52	3/4	1,059.19	3/4	1,425.30	3/4	1,791.45	3/4	2,151.36	3/4	2,517.43	3/4	2,883.50	3/4	3,249.43
1	34.67	1	343.63	1	701.14	1	1,066.81	1	1,432.93	1	1,799.08	1	2,158.98	1	2,525.05	1	2,891.13	1	3,257.05
1/4	39.96	1/4	350.70	1/4	708.77	1/4	1,074.43	1/4	1,440.56	1/4	1,806.70	1/4	2,166.61	1/4	2,532.68	1/4	2,898.75	1/4	3,264.68
1/2	45.26	1/2	357.76	1/2	716.40	1/2	1,082.05	1/2	1,448.19	1/2	1,814.33	1/2	2,174.24	1/2	2,540.31	1/2	2,906.38	1/2	3,272.30
3/4	50.56	3/4	364.83	3/4	724.03	3/4	1,089.68	3/4	1,455.82	3/4	1,821.96	3/4	2,181.86	3/4	2,547.93	3/4	2,914.01	3/4	3,279.92
2	55.86	2	371.89	2	731.66	2	1,097.30	2	1,463.44	2	1,829.59	2	2,189.49	2	2,555.56	2	2,921.63	2	3,287.54
1/4	61.94	1/4	379.04	1/4	739.28	1/4	1,104.93	1/4	1,471.07	1/4	1,837.22	1/4	2,197.12	1/4	2,563.19	1/4	2,929.26	1/4	3,295.17
1/2	68.02	1/2	386.19	1/2	746.91	1/2	1,112.56	1/2	1,478.70	1/2	1,844.84	1/2	2,204.74	1/2	2,570.81	1/2	2,936.89	1/2	3,302.79
3/4	74.10	3/4	393.34	3/4	754.54	3/4	1,120.18	3/4	1,486.33	3/4	1,852.47	3/4	2,212.37	3/4	2,578.44	3/4	2,944.51	3/4	3,310.41
3	80.18	3	400.49	3	762.17	3	1,127.81	3	1,493.96	3	1,860.10	3	2,219.99	3	2,586.07	3	2,952.14	3	3,318.03
1/4	86.37	1/4	407.73	1/4	769.79	1/4	1,135.44	1/4	1,501.58	1/4	1,867.72	1/4	2,227.62	1/4	2,593.69	1/4	2,959.76	1/4	3,325.66
1/2	92.56	1/2	414.97	1/2	777.42	1/2	1,143.07	1/2	1,509.21	1/2	1,875.34	1/2	2,235.25	1/2	2,601.32	1/2	2,967.39	1/2	3,333.28
3/4	98.74	3/4	422.21	3/4	785.04	3/4	1,150.70	3/4	1,516.84	3/4	1,882.96	3/4	2,242.87	3/4	2,608.95	3/4	2,975.02	3/4	3,340.90
4	104.93	4	429.44	4	792.66	4	1,158.32	4	1,524.47	4	1,890.57	4	2,250.50	4	2,616.57	4	2,982.64	4	3,348.52
1/4	111.22	1/4	436.77	1/4	800.28	1/4	1,165.95	1/4	1,532.10	1/4	1,898.17	1/4	2,258.13	1/4	2,624.20	1/4	2,990.27	1/4	3,356.15
1/2	117.50	1/2	444.09	1/2	807.89	1/2	1,173.58	1/2	1,539.72	1/2	1,905.76	1/2	2,265.75	1/2	2,631.83	1/2	2,997.89	1/2	3,363.77
3/4	123.78	3/4	451.42	3/4	815.51	3/4	1,181.21	3/4	1,547.35	3/4	1,913.35	3/4	2,273.38	3/4	2,639.45	3/4	3,005.51	3/4	3,371.39
5	130.06	5	458.74	5	823.12	5	1,188.84	5	1,554.98	5	1,920.94	5	2,281.01	5	2,647.08	5	3,013.13	5	3,379.01
1/4	136.43	1/4	466.15	1/4	830.74	1/4	1,196.46	1/4	1,562.61	1/4	1,928.54	1/4	2,288.63	1/4	2,654.71	1/4	3,020.76	1/4	3,386.64
1/2	142.81	1/2	473.56	1/2	838.35	1/2	1,204.09	1/2	1,570.24	1/2	1,936.13	1/2	2,296.26	1/2	2,662.33	1/2	3,028.38	1/2	3,394.26
3/4	149.18	3/4	480.98	3/4	845.96	3/4	1,211.72	3/4	1,577.86	3/4	1,943.72	3/4	2,303.89	3/4	2,669.96	3/4	3,036.00	3/4	3,401.88
6	155.55	6	488.39	6	853.58	6	1,219.35	6	1,585.49	6	1,951.31	6	2,311.51	6	2,677.58	6	3,043.62	6	3,409.50
1/4	162.00	1/4	495.88	1/4	861.19	1/4	1,226.98	1/4	1,593.12	1/4	1,958.73	1/4	2,319.14	1/4	2,685.21	1/4	3,051.25	1/4	3,417.13
1/2	168.46	1/2	503.38	1/2	868.81	1/2	1,234.60	1/2	1,600.75	1/2	1,966.16	1/2	2,326.77	1/2	2,692.84	1/2	3,058.87	1/2	3,424.75
3/4	174.92	3/4	510.87	3/4	876.42	3/4	1,242.23	3/4	1,608.38	3/4	1,973.58	3/4	2,334.39	3/4	2,700.46	3/4	3,066.49	3/4	3,432.37
7	181.38	7	518.37	7	884.03	7	1,249.86	7	1,616.00	7	1,981.00	7	2,342.02	7	2,708.09	7	3,074.11	7	3,439.99
1/4	187.92	1/4	525.94	1/4	891.65	1/4	1,257.49	1/4	1,623.63	1/4	1,987.90	1/4	2,349.65	1/4	2,715.72	1/4	3,081.74	1/4	3,447.62
1/2	194.46	1/2	533.51	1/2	899.26	1/2	1,265.12	1/2	1,631.26	1/2	1,994.81	1/2	2,357.27	1/2	2,723.34	1/2	3,089.36	1/2	3,455.24
3/4	201.01	3/4	541.08	3/4	906.88	3/4	1,272.74	3/4	1,638.89	3/4	2,001.71	3/4	2,364.90	3/4	2,730.97	3/4	3,096.98	3/4	3,462.86
8	207.55	8	548.65	8	914.49	8	1,280.37	8	1,646.52	8	2,008.62	8	2,372.52	8	2,738.60	8	3,104.60	8	3,470.48
1/4	214.18	1/4	556.26	1/4	922.10	1/4	1,288.00	1/4	1,654.14	1/4	2,015.70	1/4	2,380.15	1/4	2,746.22	1/4	3,112.23	1/4	3,478.11
1/2	220.81	1/2	563.87	1/2	929.72	1/2	1,295.63	1/2	1,661.77	1/2	2,022.79	1/2	2,387.78	1/2	2,753.85	1/2	3,119.85	1/2	3,485.73
3/4	227.44	3/4	571.49	3/4	937.33	3/4	1,303.26	3/4	1,669.40	3/4	2,029.87	3/4	2,395.40	3/4	2,761.48	3/4	3,127.47	3/4	3,493.35
9	234.07	9	579.10	9	944.95	9	1,310.88	9	1,677.03	9	2,036.96	9	2,403.03	9	2,769.10	9	3,135.09	9	3,500.97
1/4	240.79	1/4	586.73	1/4	952.56	1/4	1,318.51	1/4	1,684.66	1/4	2,044.59	1/4	2,410.66	1/4	2,776.73	1/4	3,142.72	1/4	3,508.60
1/2	247.51	1/2	594.36	1/2	960.17	1/2	1,326.14	1/2	1,692.28	1/2	2,052.21	1/2	2,418.28	1/2	2,784.36	1/2	3,150.34	1/2	3,516.22
3/4	254.23	3/4	601.98	3/4	967.79	3/4	1,333.77	3/4	1,699.91	3/4	2,059.84	3/4	2,425.91	3/4	2,791.98	3/4	3,157.96	3/4	3,523.84
10	260.94	10	609.61	10	975.40	10	1,341.40	10	1,707.54	10	2,067.46	10	2,433.54	10	2,799.61	10	3,165.58	10	3,531.46
1/4	267.75	1/4	617.24	1/4	983.02	1/4	1,349.02	1/4	1,715.17	1/4	2,075.09	1/4	2,441.16	1/4	2,807.24	1/4	3,173.21	1/4	3,539.09
1/2	274.55	1/2	624.87	1/2	990.63	1/2	1,356.65	1/2	1,722.80	1/2	2,082.72	1/2	2,448.79	1/2	2,814.86	1/2	3,180.83	1/2	3,546.71
3/4	281.36	3/4	632.50	3/4	998.25	3/4	1,364.28	3/4	1,730.42	3/4	2,090.34	3/4	2,456.42	3/4	2,822.49	3/4	3,188.45	3/4	3,554.33
11	288.16	11	640.12	11	1,005.86	11	1,371.91	11	1,738.05	11	2,097.97	11	2,464.04	11	2,830.11	11	3,196.07	11	3,561.95
1/4	295.05	1/4	647.75	1/4	1,013.48	1/4	1,379.54	1/4	1,745.68	1/4	2,105.60	1/4	2,471.67	1/4	2,837.74	1/4	3,203.70	1/4	3,569.58
1/2	301.94	1/2	655.38	1/2	1,021.09	1/2	1,387.16	1/2	1,753.31	1/2	2,113.22	1/2	2,479.30	1/2	2,845.37	1/2	3,211.32	1/2	3,577.20
3/4	308.83	3/4	663.01	3/4	1,028.71	3/4	1,394.79	3/4	1,760.94	3/4	2,120.85	3/4	2,486.92	3/4	2,852.99	3/4	3,218.94	3/4	3,584.82

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 TO TOP LIP OF 2" HERMETIC 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 331"

**1 STBD
INNAGE TABLE
HERMETIC**

GAUGE HEIGHT 15'-03 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	3,592.44	0	3,958.32	0	4,321.59	0	4,666.38	0	4,998.36	0		0		0		0		0	
1/4	3,600.07	1/4	3,965.95	1/4	4,328.98	1/4	4,673.32	1/4	5,005.92	1/4		1/4		1/4		1/4		1/4	
1/2	3,607.69	1/2	3,973.57	1/2	4,336.37	1/2	4,680.27	1/2	5,013.49	1/2		1/2		1/2		1/2		1/2	
3/4	3,615.31	3/4	3,981.19	3/4	4,343.76	3/4	4,687.22	3/4	5,021.05	3/4		3/4		3/4		3/4		3/4	
1	3,622.93	1	3,988.81	1	4,351.16	1	4,694.17	1	5,028.62	1		1		1		1		1	
1/4	3,630.56	1/4	3,996.44	1/4	4,358.51	1/4	4,701.07	1/4	5,035.99	1/4		1/4		1/4		1/4		1/4	
1/2	3,638.18	1/2	4,004.06	1/2	4,365.87	1/2	4,707.98	1/2	5,043.37	1/2		1/2		1/2		1/2		1/2	
3/4	3,645.80	3/4	4,011.68	3/4	4,373.23	3/4	4,714.88	3/4	5,050.74	3/4		3/4		3/4		3/4		3/4	
2	3,653.42	2	4,019.30	2	4,380.58	2	4,721.78	2	5,058.12	2		2		2		2		2	
1/4	3,661.05	1/4	4,026.93	1/4	4,387.90	1/4	4,728.63	1/4	5,064.54	1/4		1/4		1/4		1/4		1/4	
1/2	3,668.67	1/2	4,034.55	1/2	4,395.22	1/2	4,735.47	1/2	5,070.96	1/2		1/2		1/2		1/2		1/2	
3/4	3,676.29	3/4	4,042.17	3/4	4,402.54	3/4	4,742.31	3/4	5,077.38	3/4		3/4		3/4		3/4		3/4	
3	3,683.91	3	4,049.79	3	4,409.86	3	4,749.15	3	5,083.80	3		3		3		3		3	
1/4	3,691.54	1/4	4,057.42	1/4	4,417.12	1/4	4,755.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,699.16	1/2	4,065.04	1/2	4,424.39	1/2	4,762.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,706.78	3/4	4,072.66	3/4	4,431.66	3/4	4,769.57	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,714.40	4	4,080.28	4	4,438.92	4	4,776.38	4		4		4		4		4		4	
1/4	3,722.03	1/4	4,087.91	1/4	4,446.15	1/4	4,783.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,729.65	1/2	4,095.53	1/2	4,453.38	1/2	4,789.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,737.27	3/4	4,103.15	3/4	4,460.60	3/4	4,796.70	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,744.89	5	4,110.77	5	4,467.83	5	4,803.47	5		5		5		5		5		5	
1/4	3,752.52	1/4	4,118.39	1/4	4,475.02	1/4	4,810.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,760.14	1/2	4,126.01	1/2	4,482.21	1/2	4,816.95	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,767.76	3/4	4,133.63	3/4	4,489.40	3/4	4,823.69	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,775.38	6	4,141.25	6	4,496.60	6	4,830.43	6		6		6		6		6		6	
1/4	3,783.01	1/4	4,148.85	1/4	4,503.76	1/4	4,837.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,790.63	1/2	4,156.45	1/2	4,510.91	1/2	4,843.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,798.25	3/4	4,164.06	3/4	4,518.07	3/4	4,850.54	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,805.87	7	4,171.66	7	4,525.23	7	4,857.25	7		7		7		7		7		7	
1/4	3,813.50	1/4	4,179.23	1/4	4,532.36	1/4	4,863.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,821.12	1/2	4,186.79	1/2	4,539.48	1/2	4,870.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,828.74	3/4	4,194.36	3/4	4,546.61	3/4	4,877.24	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,836.36	8	4,201.93	8	4,553.73	8	4,883.91	8		8		8		8		8		8	
1/4	3,843.99	1/4	4,209.46	1/4	4,560.82	1/4	4,890.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,851.61	1/2	4,217.00	1/2	4,567.91	1/2	4,897.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,859.23	3/4	4,224.53	3/4	4,575.00	3/4	4,903.81	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,866.85	9	4,232.07	9	4,582.10	9	4,910.44	9		9		9		9		9		9	
1/4	3,874.48	1/4	4,239.56	1/4	4,589.15	1/4	4,917.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,882.10	1/2	4,247.06	1/2	4,596.21	1/2	4,924.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,889.72	3/4	4,254.56	3/4	4,603.27	3/4	4,930.99	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,897.34	10	4,262.06	10	4,610.33	10	4,937.84	10		10		10		10		10		10	
1/4	3,904.97	1/4	4,269.52	1/4	4,617.35	1/4	4,945.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,912.59	1/2	4,276.98	1/2	4,624.37	1/2	4,952.97	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,920.21	3/4	4,284.43	3/4	4,631.40	3/4	4,960.53	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,927.83	11	4,291.89	11	4,638.42	11	4,968.10	11		11		11		11		11		11	
1/4	3,935.46	1/4	4,299.32	1/4	4,645.41	1/4	4,975.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,943.08	1/2	4,306.74	1/2	4,652.40	1/2	4,983.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,950.70	3/4	4,314.17	3/4	4,659.39	3/4	4,990.79	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/11/2014 CL
CALCULATED: 07/12/2014 CL
PRINTED: 07/12/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2014

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



BARGE "CTCo 331"

1 PORT INNAGE TABLE HERMETIC

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	19.11	0	315.88	0	671.24	0	1,036.10	0	1,402.09	0	1,768.62	0	2,128.93	0	2,495.40	0	2,861.87	0	3,228.19
1/4	23.00	1/4	322.87	1/4	678.88	1/4	1,043.69	1/4	1,409.73	1/4	1,776.26	1/4	2,136.57	1/4	2,503.03	1/4	2,869.50	1/4	3,235.82
1/2	26.88	1/2	329.85	1/2	686.52	1/2	1,051.29	1/2	1,417.36	1/2	1,783.90	1/2	2,144.20	1/2	2,510.67	1/2	2,877.13	1/2	3,243.45
3/4	30.76	3/4	336.84	3/4	694.15	3/4	1,058.88	3/4	1,425.00	3/4	1,791.53	3/4	2,151.84	3/4	2,518.30	3/4	2,884.77	3/4	3,251.08
1	34.65	1	343.82	1	701.79	1	1,066.47	1	1,432.64	1	1,799.17	1	2,159.47	1	2,525.94	1	2,892.40	1	3,258.72
1/4	39.94	1/4	350.90	1/4	709.42	1/4	1,074.07	1/4	1,440.27	1/4	1,806.81	1/4	2,167.11	1/4	2,533.57	1/4	2,900.04	1/4	3,266.35
1/2	45.24	1/2	357.97	1/2	717.06	1/2	1,081.66	1/2	1,447.91	1/2	1,814.44	1/2	2,174.74	1/2	2,541.21	1/2	2,907.67	1/2	3,273.98
3/4	50.54	3/4	365.04	3/4	724.70	3/4	1,089.26	3/4	1,455.54	3/4	1,822.08	3/4	2,182.38	3/4	2,548.84	3/4	2,915.31	3/4	3,281.61
2	55.83	2	372.11	2	732.33	2	1,096.85	2	1,463.18	2	1,829.71	2	2,190.01	2	2,556.48	2	2,922.94	2	3,289.24
1/4	61.91	1/4	379.27	1/4	739.97	1/4	1,104.46	1/4	1,470.82	1/4	1,837.35	1/4	2,197.65	1/4	2,564.11	1/4	2,930.58	1/4	3,296.87
1/2	67.98	1/2	386.43	1/2	747.60	1/2	1,112.07	1/2	1,478.45	1/2	1,844.99	1/2	2,205.28	1/2	2,571.75	1/2	2,938.21	1/2	3,304.50
3/4	74.06	3/4	393.59	3/4	755.24	3/4	1,119.67	3/4	1,486.09	3/4	1,852.62	3/4	2,212.92	3/4	2,579.38	3/4	2,945.85	3/4	3,312.13
3	80.14	3	400.75	3	762.87	3	1,127.28	3	1,493.73	3	1,860.26	3	2,220.55	3	2,587.02	3	2,953.48	3	3,319.76
1/4	86.32	1/4	408.00	1/4	770.50	1/4	1,134.89	1/4	1,501.36	1/4	1,867.89	1/4	2,228.19	1/4	2,594.65	1/4	2,961.11	1/4	3,327.39
1/2	92.51	1/2	415.24	1/2	778.12	1/2	1,142.51	1/2	1,509.00	1/2	1,875.51	1/2	2,235.82	1/2	2,602.29	1/2	2,968.75	1/2	3,335.02
3/4	98.69	3/4	422.49	3/4	785.74	3/4	1,150.12	3/4	1,516.63	3/4	1,883.14	3/4	2,243.45	3/4	2,609.92	3/4	2,976.38	3/4	3,342.65
4	104.88	4	429.73	4	793.37	4	1,157.74	4	1,524.27	4	1,890.77	4	2,251.09	4	2,617.56	4	2,984.01	4	3,350.28
1/4	111.16	1/4	437.07	1/4	800.95	1/4	1,165.37	1/4	1,531.91	1/4	1,898.37	1/4	2,258.72	1/4	2,625.19	1/4	2,991.64	1/4	3,357.91
1/2	117.44	1/2	444.40	1/2	808.54	1/2	1,173.01	1/2	1,539.54	1/2	1,905.97	1/2	2,266.36	1/2	2,632.82	1/2	2,999.28	1/2	3,365.54
3/4	123.72	3/4	451.73	3/4	816.12	3/4	1,180.64	3/4	1,547.18	3/4	1,913.57	3/4	2,273.99	3/4	2,640.46	3/4	3,006.91	3/4	3,373.17
5	130.00	5	459.06	5	823.71	5	1,188.28	5	1,554.81	5	1,921.17	5	2,281.63	5	2,648.09	5	3,014.54	5	3,380.81
1/4	136.38	1/4	466.48	1/4	831.29	1/4	1,195.92	1/4	1,562.45	1/4	1,928.77	1/4	2,289.26	1/4	2,655.73	1/4	3,022.17	1/4	3,388.44
1/2	142.75	1/2	473.90	1/2	838.88	1/2	1,203.55	1/2	1,570.09	1/2	1,936.37	1/2	2,296.90	1/2	2,663.36	1/2	3,029.80	1/2	3,396.07
3/4	149.13	3/4	481.32	3/4	846.46	3/4	1,211.19	3/4	1,577.72	3/4	1,943.97	3/4	2,304.53	3/4	2,671.00	3/4	3,037.43	3/4	3,403.70
6	155.50	6	488.74	6	854.05	6	1,218.83	6	1,585.36	6	1,951.57	6	2,312.17	6	2,678.63	6	3,045.06	6	3,411.33
1/4	161.97	1/4	496.25	1/4	861.63	1/4	1,226.46	1/4	1,592.99	1/4	1,959.00	1/4	2,319.80	1/4	2,686.27	1/4	3,052.69	1/4	3,418.96
1/2	168.43	1/2	503.75	1/2	869.22	1/2	1,234.10	1/2	1,600.63	1/2	1,966.43	1/2	2,327.44	1/2	2,693.90	1/2	3,060.32	1/2	3,426.59
3/4	174.90	3/4	511.26	3/4	876.81	3/4	1,241.73	3/4	1,608.27	3/4	1,973.86	3/4	2,335.07	3/4	2,701.54	3/4	3,067.95	3/4	3,434.22
7	181.37	7	518.76	7	884.39	7	1,249.37	7	1,615.90	7	1,981.29	7	2,342.71	7	2,709.17	7	3,075.58	7	3,441.85
1/4	187.92	1/4	526.35	1/4	891.98	1/4	1,257.01	1/4	1,623.54	1/4	1,988.20	1/4	2,350.34	1/4	2,716.81	1/4	3,083.21	1/4	3,449.48
1/2	194.47	1/2	533.93	1/2	899.56	1/2	1,264.64	1/2	1,631.17	1/2	1,995.12	1/2	2,357.98	1/2	2,724.44	1/2	3,090.84	1/2	3,457.11
3/4	201.02	3/4	541.52	3/4	907.15	3/4	1,272.28	3/4	1,638.81	3/4	2,002.03	3/4	2,365.61	3/4	2,732.08	3/4	3,098.47	3/4	3,464.74
8	207.58	8	549.10	8	914.73	8	1,279.91	8	1,646.45	8	2,008.94	8	2,373.24	8	2,739.71	8	3,106.10	8	3,472.37
1/4	214.21	1/4	556.73	1/4	922.32	1/4	1,287.55	1/4	1,654.08	1/4	2,016.04	1/4	2,380.88	1/4	2,747.34	1/4	3,113.73	1/4	3,480.00
1/2	220.85	1/2	564.36	1/2	929.90	1/2	1,295.19	1/2	1,661.72	1/2	2,023.13	1/2	2,388.51	1/2	2,754.98	1/2	3,121.36	1/2	3,487.63
3/4	227.49	3/4	571.99	3/4	937.49	3/4	1,302.82	3/4	1,669.36	3/4	2,030.22	3/4	2,396.15	3/4	2,762.61	3/4	3,129.00	3/4	3,495.26
9	234.13	9	579.61	9	945.07	9	1,310.46	9	1,676.99	9	2,037.32	9	2,403.78	9	2,770.25	9	3,136.63	9	3,502.89
1/4	240.86	1/4	587.25	1/4	952.66	1/4	1,318.09	1/4	1,684.63	1/4	2,044.95	1/4	2,411.42	1/4	2,777.88	1/4	3,144.26	1/4	3,510.52
1/2	247.58	1/2	594.88	1/2	960.24	1/2	1,325.73	1/2	1,692.26	1/2	2,052.59	1/2	2,419.05	1/2	2,785.52	1/2	3,151.89	1/2	3,518.15
3/4	254.31	3/4	602.52	3/4	967.83	3/4	1,333.37	3/4	1,699.90	3/4	2,060.22	3/4	2,426.69	3/4	2,793.15	3/4	3,159.52	3/4	3,525.78
10	261.04	10	610.16	10	975.41	10	1,341.00	10	1,707.54	10	2,067.86	10	2,434.32	10	2,800.79	10	3,167.15	10	3,533.41
1/4	267.85	1/4	617.79	1/4	983.00	1/4	1,348.64	1/4	1,715.17	1/4	2,075.49	1/4	2,441.96	1/4	2,808.42	1/4	3,174.78	1/4	3,541.03
1/2	274.66	1/2	625.43	1/2	990.58	1/2	1,356.28	1/2	1,722.81	1/2	2,083.13	1/2	2,449.59	1/2	2,816.06	1/2	3,182.41	1/2	3,548.65
3/4	281.47	3/4	633.06	3/4	998.17	3/4	1,363.91	3/4	1,730.44	3/4	2,090.76	3/4	2,457.23	3/4	2,823.69	3/4	3,190.04	3/4	3,556.27
11	288.28	11	640.70	11	1,005.75	11	1,371.55	11	1,738.08	11	2,098.40	11	2,464.86	11	2,831.33	11	3,197.67	11	3,563.88
1/4	295.18	1/4	648.34	1/4	1,013.34	1/4	1,379.18	1/4	1,745.72	1/4	2,106.03	1/4	2,472.50	1/4	2,838.96	1/4	3,205.30	1/4	3,571.50
1/2	302.08	1/2	655.97	1/2	1,020.93	1/2	1,386.82	1/2	1,753.35	1/2	2,113.66	1/2	2,480.13	1/2	2,846.60	1/2	3,212.93	1/2	3,579.12
3/4	308.98	3/4	663.61	3/4	1,028.51	3/4	1,394.46	3/4	1,760.99	3/4	2,121.30	3/4	2,487.77	3/4	2,854.23	3/4	3,220.56	3/4	3,586.74

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 TO TOP LIP OF 2" HERMETIC 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 331"

**1 PORT
INNAGE TABLE
HERMETIC
GAUGE HEIGHT 15'-03"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	3,594.36	0	3,960.07	0	4,323.17	0	4,667.80	0	4,999.62	0		0		0		0		0	
1/4	3,601.98	1/4	3,967.69	1/4	4,330.56	1/4	4,674.74	1/4	5,007.18	1/4		1/4		1/4		1/4		1/4	
1/2	3,609.60	1/2	3,975.31	1/2	4,337.95	1/2	4,681.69	1/2	5,014.75	1/2		1/2		1/2		1/2		1/2	
3/4	3,617.22	3/4	3,982.93	3/4	4,345.34	3/4	4,688.63	3/4	5,022.31	3/4		3/4		3/4		3/4		3/4	
1	3,624.84	1	3,990.55	1	4,352.72	1	4,695.58	1	5,029.87	1		1		1		1		1	
1/4	3,632.46	1/4	3,998.17	1/4	4,360.08	1/4	4,702.48	1/4	5,037.24	1/4		1/4		1/4		1/4		1/4	
1/2	3,640.07	1/2	4,005.79	1/2	4,367.43	1/2	4,709.38	1/2	5,044.62	1/2		1/2		1/2		1/2		1/2	
3/4	3,647.69	3/4	4,013.41	3/4	4,374.79	3/4	4,716.28	3/4	5,051.99	3/4		3/4		3/4		3/4		3/4	
2	3,655.31	2	4,021.02	2	4,382.14	2	4,723.18	2	5,059.36	2		2		2		2		2	
1/4	3,662.93	1/4	4,028.64	1/4	4,389.45	1/4	4,730.02	1/4	5,066.78	1/4		1/4		1/4		1/4		1/4	
1/2	3,670.55	1/2	4,036.26	1/2	4,396.77	1/2	4,736.86	1/2	5,072.20	1/2		1/2		1/2		1/2		1/2	
3/4	3,678.17	3/4	4,043.88	3/4	4,404.08	3/4	4,743.69	3/4	5,078.62	3/4		3/4		3/4		3/4		3/4	
3	3,685.79	3	4,051.50	3	4,411.40	3	4,750.53	3	5,085.04	3		3		3		3		3	
1/4	3,693.41	1/4	4,059.12	1/4	4,418.66	1/4	4,757.34	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,701.03	1/2	4,066.74	1/2	4,425.92	1/2	4,764.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,708.65	3/4	4,074.36	3/4	4,433.19	3/4	4,770.94	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,716.26	4	4,081.98	4	4,440.45	4	4,777.75	4		4		4		4		4		4	
1/4	3,723.88	1/4	4,089.60	1/4	4,447.67	1/4	4,784.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,731.50	1/2	4,097.21	1/2	4,454.90	1/2	4,791.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,739.12	3/4	4,104.83	3/4	4,462.12	3/4	4,798.06	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,746.74	5	4,112.45	5	4,469.34	5	4,804.83	5		5		5		5		5		5	
1/4	3,754.36	1/4	4,120.07	1/4	4,476.53	1/4	4,811.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,761.98	1/2	4,127.68	1/2	4,483.72	1/2	4,818.30	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,769.60	3/4	4,135.30	3/4	4,490.91	3/4	4,825.04	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,777.22	6	4,142.92	6	4,498.10	6	4,831.78	6		6		6		6		6		6	
1/4	3,784.84	1/4	4,150.51	1/4	4,505.25	1/4	4,838.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,792.45	1/2	4,158.11	1/2	4,512.41	1/2	4,845.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,800.07	3/4	4,165.71	3/4	4,519.56	3/4	4,851.88	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,807.69	7	4,173.31	7	4,526.72	7	4,858.58	7		7		7		7		7		7	
1/4	3,815.31	1/4	4,180.87	1/4	4,533.84	1/4	4,865.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,822.93	1/2	4,188.44	1/2	4,540.96	1/2	4,871.90	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,830.55	3/4	4,196.00	3/4	4,548.08	3/4	4,878.56	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,838.17	8	4,203.57	8	4,555.21	8	4,885.23	8		8		8		8		8		8	
1/4	3,845.79	1/4	4,211.10	1/4	4,562.29	1/4	4,891.86	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,853.41	1/2	4,218.63	1/2	4,569.38	1/2	4,898.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,861.03	3/4	4,226.16	3/4	4,576.47	3/4	4,905.12	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,868.64	9	4,233.69	9	4,583.56	9	4,911.75	9		9		9		9		9		9	
1/4	3,876.26	1/4	4,241.18	1/4	4,590.61	1/4	4,918.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,883.88	1/2	4,248.68	1/2	4,597.67	1/2	4,925.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,891.50	3/4	4,256.17	3/4	4,604.72	3/4	4,932.29	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,899.12	10	4,263.67	10	4,611.78	10	4,939.13	10		10		10		10		10		10	
1/4	3,906.74	1/4	4,271.12	1/4	4,618.80	1/4	4,946.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,914.36	1/2	4,278.58	1/2	4,625.82	1/2	4,954.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,921.98	3/4	4,286.03	3/4	4,632.84	3/4	4,961.82	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,929.60	11	4,293.49	11	4,639.86	11	4,969.38	11		11		11		11		11		11	
1/4	3,937.22	1/4	4,300.91	1/4	4,646.84	1/4	4,976.94	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,944.83	1/2	4,308.33	1/2	4,653.83	1/2	4,984.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,952.45	3/4	4,315.75	3/4	4,660.81	3/4	4,992.06	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/11/2014 CL
CALCULATED: 07/12/2014 CL
PRINTED: 07/12/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2014

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