BARGE "CTCO 251"

INNAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 252'-09"

March 24, 2013

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

http://www.pmacorp.net

BARGE "CTCO 251"

1 PORT

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 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	21.89	0	339.05	0	670.93	0	1,002.42	0	1,334.27	0	1,666.18	0	1,998.09	0	2,330.00	0	2,661.87	0	2,993.56
1/4	26.39	1/4	345.97	1/4	677.85	1/4	1,009.32	1/4	1,341.18	1/4	1,673.09	1/4	2,005.00	1/4	2,336.91	1/4	2,668.78	1/4	3,000.47
1/2	30.88	1/2	352.88	1/2	684.76	1/2	1,016.22	1/2	1,348.10	1/2	1,680.01	1/2	2,011.92	1/2	2,343.83	1/2	2,675.69	1/2	3,007.38
3/4	35.37	3/4	359.79	3/4	691.68	3/4	1,023.13	3/4	1,355.01	3/4	1,686.92	3/4	2,018.83	3/4	2,350.74	3/4	2,682.60	3/4	3,014.29
1	39.87	1	366.70	1	698.59	1	1,030.03	1	1,361.93	1	1,693.84	1	2,025.75	1	2,357.66	1	2,689.51	1	3,021.20
1/4	45.74	1/4	373.61	1/4	705.51	1/4	1,036.94	1/4	1,368.84	1/4	1,700.75	1/4	2,032.66	1/4	2,364.57	1/4	2,696.42	1/4	3,028.11
1/2	51.62	1/2	380.53	1/2	712.42	1/2	1,043.85	1/2	1,375.76	1/2	1,707.67	1/2	2,039.58	1/2	2,371.49	1/2	2,703.33	1/2	3,035.02
3/4	57.49	3/4	387.44	3/4	719.33	3/4	1,050.76	3/4	1,382.67	3/4	1,714.58	3/4	2,046.49	3/4	2,378.40	3/4	2,710.24	3/4	3,041.93
2	63.37	2	394.35	2	726.25	2	1,057.68	2	1,389.59	2	1,721.50	2	2,053.41	2	2,385.32	2	2,717.15	2	3,048.84
1/4	70.08	1/4	401.27	1/4	733.16	1/4	1,064.59	1/4	1,396.50	1/4	1,728.41	1/4	2,060.32	1/4	2,392.23	1/4	2,724.06	1/4	3,055.75
1/2	76.80	1/2	408.18	1/2	740.08	1/2	1,071.51	1/2	1,403.42	1/2	1,735.33	1/2	2,067.24	1/2	2,399.15	1/2	2,730.97	1/2	3,062.66
3/4	83.51	3/4	415.10	3/4	746.99	3/4	1,078.42	3/4	1,410.33	3/4	1,742.24	3/4	2,074.15	3/4	2,406.06	3/4	2,737.88	3/4	3,069.57
3	90.23	3	422.01	3	753.91	3	1,085.34	3	1,417.25	3	1,749.16	3	2,081.07	3	2,412.98	3	2,744.80	3	3,076.48
1/4	97.12	1/4	428.93	1/4	760.81	1/4	1,092.25	1/4	1,424.16	1/4	1,756.07	1/4	2,087.98	1/4	2,419.89	1/4	2,751.71	1/4	3,083.39
1/2	104.02	1/2	435.84	1/2	767.72	1/2	1,099.17	1/2	1,431.08	1/2	1,762.99	1/2	2,094.90	1/2	2,426.81	1/2	2,758.62	1/2	3,090.31
3/4	110.92	3/4	442.75	3/4	774.62	3/4	1,106.08	3/4	1,437.99	3/4	1,769.90	3/4	2,101.81	3/4	2,433.72	3/4	2,765.53	3/4	3,097.22
4	117.82	4	449.67	4	781.53	4	1,113.00	4	1,444.91	4	1,776.82	4	2,108.73	4	2,440.64	4	2,772.44	4	3,104.13
1/4	124.73	1/4	456.58	1/4	788.43	1/4	1,119.91	1/4	1,451.82	1/4	1,783.73	1/4	2,115.64	1/4	2,447.55	1/4	2,779.35	1/4	3,111.04
1/2	131.64	1/2	463.50	1/2	795.33	1/2	1,126.82	1/2	1,458.74	1/2	1,790.65	1/2	2,122.56	1/2	2,454.47	1/2	2,786.26	1/2	3,117.95
3/4	138.55	3/4	470.41	3/4	802.24	3/4	1,133.74	3/4	1,465.65	3/4	1,797.56	3/4	2,129.47	3/4	2,461.38	3/4	2,793.17	3/4	3,124.86
5	145.46	5	477.33	5	809.14	5	1,140.65	5	1,472.56	5	1,804.48	5	2,136.39	5	2,468.30	5	2,800.08	5	3,131.77
1/4	152.37	1/4	484.24	1/4	816.04	1/4	1,147.57	1/4	1,479.48	1/4	1,811.39	1/4	2,143.30	1/4	2,475.21	1/4	2,806.99	1/4	3,138.68
1/2	159.29	1/2	491.16	1/2	822.95	1/2	1,154.48	1/2	1,486.39	1/2	1,818.30	1/2	2,150.22	1/2	2,482.13	1/2	2,813.90	1/2	3,145.59
3/4	166.20	3/4	498.07	3/4	829.85	3/4	1,161.40	3/4	1,493.31	3/4	1,825.22	3/4	2,157.13	3/4	2,489.04	3/4	2,820.81	3/4	3,152.50
6	173.12	6	504.98	6	836.75	6	1,168.31	6	1,500.22	6	1,832.13	6	2,164.04	6	2,495.96	6	2,827.72	6	3,159.41
1/4	180.03	1/4	511.90	1/4	843.65	1/4	1,175.23	1/4	1,507.14	1/4	1,839.05	1/4	2,170.96	1/4	2,502.87	1/4	2,834.63	1/4	3,166.32
1/2	186.95	1/2	518.81	1/2	850.56	1/2	1,182.14	1/2	1,514.05	1/2	1,845.96	1/2	2,177.87	1/2	2,509.78	1/2	2,841.54	1/2	3,173.23
3/4	193.86	3/4	525.73	3/4	857.46	3/4	1,189.06	3/4	1,520.97	3/4	1,852.88	3/4	2,184.79	3/4	2,516.70	3/4	2,848.45	3/4	3,180.14
7	200.78	7	532.64	7	864.36	7	1,195.97	7	1,527.88	7	1,859.79	7	2,191.70	7	2,523.61	7	2,855.36	7	3,187.05
1/4	207.69	1/4	539.56	1/4	871.27	1/4	1,202.89	1/4	1,534.80	1/4	1,866.71	1/4	2,198.62	1/4	2,530.53	1/4	2,862.27	1/4	3,193.96
1/2	214.60	1/2	546.47	1/2	878.17	1/2	1,209.80	1/2	1,541.71	1/2	1,873.62	1/2	2,205.53	1/2	2,537.44	1/2	2,869.18	1/2	3,200.87
3/4	221.52	3/4	553.39	3/4	885.07	3/4	1,216.72	3/4	1,548.63	3/4	1,880.54	3/4	2,212.45	3/4	2,544.36	3/4	2,876.09	3/4	3,207.78
8	228.43	8	560.30	8	891.97	8	1,223.63	8	1,555.54	8	1,887.45	8	2,219.36	8	2,551.27	8	2,883.00	8	3,214.69
1/4	235.35	1/4	567.22	1/4	898.88	1/4	1,230.55	1/4	1,562.46	1/4	1,894.37	1/4	2,226.28	1/4	2,558.19	1/4	2,889.91	1/4	3,221.60
1/2	242.26	1/2	574.13	1/2	905.78	1/2	1,237.46	1/2	1,569.37	1/2	1,901.28	1/2	2,233.19	1/2	2,565.10	1/2	2,896.82	1/2	3,228.51
3/4	249.18	3/4	581.04	3/4	912.68	3/4	1,244.38	3/4	1,576.29	3/4	1,908.20	3/4	2,240.11	3/4	2,572.02	3/4	2,903.73	3/4	3,235.42
9	256.09	9	587.96	9	919.58	9	1,251.29	9	1,583.20	9	1,915.11	9	2,247.02	9	2,578.93	9	2,910.64	9	3,242.33
1/4	263.01	1/4	594.87	1/4	926.49	1/4	1,258.21	1/4	1,590.12	1/4	1,922.03	1/4	2,253.94	1/4	2,585.85	1/4	2,917.55	1/4	3,249.24
1/2	269.92	1/2	601.79	1/2	933.39	1/2	1,265.12	1/2	1,597.03	1/2	1,928.94	1/2	2,260.85	1/2	2,592.76	1/2	2,924.46	1/2	3,256.15
3/4	276.83	3/4	608.70	3/4	940.29	3/4	1,272.04	3/4	1,603.95	3/4	1,935.86	3/4	2,267.77	3/4	2,599.68	3/4	2,931.37	3/4	3,263.06
10	283.75	10	615.62	10	947.20	10	1,278.95	10	1,610.86	10	1,942.77	10	2,274.68	10	2,606.59	10	2,938.28	10	3,269.97
1/4	290.66	1/4	622.53	1/4	954.10	1/4	1,285.87	1/4	1,617.78	1/4	1,949.69	1/4	2,281.60	1/4	2,613.50	1/4	2,945.19	1/4	3,276.88
1/2	297.58	1/2	629.45	1/2	961.00	1/2	1,292.78	1/2	1,624.69	1/2	1,956.60	1/2	2,288.51	1/2	2,620.41	1/2	2,952.10	1/2	3,283.79
3/4	304.49	3/4	636.36	3/4	967.90	3/4	1,299.69	3/4	1,631.61	3/4	1,963.52	3/4	2,295.43	3/4	2,627.32	3/4	2,959.01	3/4	3,290.70
11	311.41	11	643.27	11	974.81	11	1,306.61	11	1,638.52	11	1,970.43	11	2,302.34	11	2,634.23	11	2,965.92	11	3,297.61
1/4	318.32	1/4	650.19	1/4	981.71	1/4	1,313.52	1/4	1,645.43	1/4	1,977.35	1/4	2,309.26	1/4	2,641.14	1/4	2,972.83	1/4	3,304.52
1/2	325.23	1/2	657.10	1/2	988.61	1/2	1,320.44	1/2	1,652.35	1/2	1,984.26	1/2	2,316.17	1/2	2,648.05	1/2	2,979.74	1/2	3,311.43
3/4	332.14	3/4	664.02	3/4	995.52	3/4	1,327.35	3/4	1,659.26	3/4	1,991.17	3/4	2,323.09	3/4	2,654.96	3/4	2,986.65	3/4	3,318.34

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 TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD.

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

BARGE "CTCO 251"

1 PORT

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 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	3,325.25	0	3,656.94	0	3,988.63	0	4,319.88	0	4,639.96	0	4,942.27	0		0		0		0	
1/4	3,332.16	1/4	3,663.85	1/4	3,995.54	1/4	4,326.70	1/4	4,646.42	1/4	4,948.39	1/4		1/4		1/4		1/4	
1/2	3,339.07	1/2	3,670.76	1/2	4,002.45	1/2	4,333.52	1/2	4,652.88	1/2	4,954.51	1/2		1/2		1/2		1/2	
3/4	3,345.98	3/4	3,677.67	3/4	4,009.36	3/4	4,340.34	3/4	4,659.33	3/4	4,960.63	3/4		3/4		3/4		3/4	
1	3,352.89	1	3,684.58	1	4,016.27	1	4,347.16	1	4,665.79	1	4,966.75	1		1		1		1	
1/4	3,359.80	1/4	3,691.49	1/4	4,023.18	1/4	4,353.95	1/4	4,672.22	1/4	4,972.84	1/4		1/4		1/4		1/4	
1/2	3,366.71	1/2	3,698.40	1/2	4,030.09	1/2	4,360.74	1/2	4,678.64	1/2	4,978.93	1/2		1/2		1/2		1/2	
3/4	3,373.62	3/4	3,705.31	3/4	4,037.00	3/4	4,367.53	3/4	4,685.06	3/4	4,985.02	3/4		3/4		3/4		3/4	
2	3,380.53	2	3,712.22	2	4,043.91	2	4,374.33	2	4,691.48	2	4,991.11	2		2		2		2	
1/4	3,387.44	1/4	3,719.13	1/4	4,050.82	1/4	4,381.09	1/4	4,697.87	1/4	4,997.17	1/4		1/4		1/4		1/4	
1/2	3,394.35	1/2	3,726.04	1/2	4,057.73	1/2	4,387.86	1/2	4,704.27	1/2	5,003.23	1/2		1/2		1/2		1/2	
3/4	3,401.26	3/4	3,732.95	3/4	4,064.64	3/4	4,394.62	3/4	4,710.66	3/4	5,009.29	3/4		3/4		3/4		3/4	
3	3,408.17	3	3,739.86	3	4,071.55	3	4,401.39	3	4,717.06	3	5,015.36	3		3		3		3	
1/4	3,415.08	1/4	3,746.77	1/4	4,078.46	1/4	4,408.12	1/4	4,723.42	1/4	5,021.35	1/4		1/4		1/4		1/4	
1/2	3,421.99	1/2	3,753.68	1/2	4,085.37	1/2	4,414.86	1/2	4,729.79	1/2	5,027.34	1/2		1/2		1/2		1/2	
3/4	3,428.90	3/4	3,760.59	3/4	4,092.28	3/4	4,421.60	3/4	4,736.16	3/4	5,033.34	3/4		3/4		3/4		3/4	
4	3,435.82	4	3,767.50	4	4,099.19	4	4,428.34	4	4,742.52	4	5,039.33	4		4		4		4	
1/4	3,442.73	1/4	3,774.41	1/4	4,106.10	1/4	4,435.05	1/4	4,748.86	1/4	5,045.28	1/4		1/4		1/4		1/4	
1/2	3,449.64	1/2	3,781.33	1/2	4,113.01	1/2	4,441.76	1/2	4,755.20	1/2	5,051.24	1/2		1/2		1/2		1/2	
3/4	3,456.55	3/4	3,788.24	3/4	4,119.92	3/4	4,448.47	3/4	4,761.54	3/4	5,057.19	3/4		3/4		3/4		3/4	
5	3,463.46	5	3,795.15	5	4,126.84	5	4,455.18	5	4,767.88	5	5,063.14	5		5		5		5	
1/4	3,470.37	1/4	3,802.06	1/4	4,133.75	1/4	4,461.86	1/4	4,774.19	1/4	5,069.06	1/4		1/4		1/4		1/4	
1/2	3,477.28	1/2	3,808.97	1/2	4,140.66	1/2	4,468.54	1/2	4,780.50	1/2	5,074.99	1/2		1/2		1/2		1/2	
3/4	3,484.19	3/4	3,815.88	3/4	4,147.57	3/4	4,475.22	3/4	4,786.81	3/4	5,080.92	3/4		3/4		3/4		3/4	
6	3,491.10	6	3,822.79	6	4,154.48	6	4,481.91	6	4,793.12	6	5,086.84	6		6		6		6	
1/4	3,498.01	1/4	3,829.70	1/4	4,161.39	1/4	4,488.56	1/4	4,799.41	1/4	5,092.74	1/4		1/4		1/4		1/4	
1/2	3,504.92	1/2	3,836.61	1/2	4,168.30	1/2	4,495.21	1/2	4,805.69	1/2	5,098.64	1/2		1/2		1/2		1/2	
3/4	3,511.83	3/4	3,843.52	3/4	4,175.21	3/4	4,501.87	3/4	4,811.98	3/4	5,104.54	3/4		3/4		3/4		3/4	
7	3,518.74	7	3,850.43	7	4,182.12	7	4,508.52	7	4,818.26	7	5,110.44	7		7		7		7	
1/4	3,525.65	1/4	3,857.34	1/4	4,189.03	1/4	4,515.15	1/4	4,824.52	1/4	5,115.79	1/4		1/4		1/4		1/4	
1/2	3,532.56	1/2	3,864.25	1/2	4,195.94	1/2	4,521.78	1/2	4,830.77	1/2	5,121.14	1/2		1/2		1/2		1/2	
3/4	3,539.47	3/4	3,871.16	3/4	4,202.85	3/4	4,528.40	3/4	4,837.03	3/4	5,126.49	3/4		3/4		3/4		3/4	
8	3,546.38	8	3,878.07	8	4,209.76	8	4,535.03	8	4,843.28	8	5,131.85	8		8		8		8	
1/4	3,553.29	1/4	3,884.98	1/4	4,216.67	1/4	4,541.63	1/4	4,849.51	1/4	5,136.73	1/4		1/4		1/4		1/4	
1/2	3,560.20	1/2	3,891.89	1/2	4,223.58	1/2	4,548.23	1/2	4,855.74	1/2	5,141.61	1/2		1/2		1/2		1/2	
3/4	3,567.11	3/4	3,898.80	3/4	4,230.49	3/4	4,554.83	3/4	4,861.97	3/4		3/4		3/4		3/4		3/4	
9	3,574.02	9	3,905.71	9	4,237.40	9	4,561.43	9	4,868.20	9		9		9		9		9	
1/4	3,580.93	1/4	3,912.62	1/4	4,244.29	1/4	4,568.00	1/4	4,874.40	1/4		1/4		1/4		1/4		1/4	
1/2	3,587.84	1/2	3,919.53	1/2	4,251.19	1/2	4,574.57	1/2	4,880.60	1/2		1/2		1/2		1/2		1/2	
3/4	3,594.75	3/4	3,926.44	3/4	4,258.09	3/4	4,581.14	3/4	4,886.80	3/4		3/4		3/4		3/4		3/4	
10	3,601.66	10	3,933.35	10	4,264.98	10	4,587.72	10	4,893.00	10		10		10		10		10	
1/4	3,608.57	1/4	3,940.26	1/4	4,271.86	1/4	4,594.26	1/4	4,899.17	1/4		1/4		1/4		1/4		1/4	
1/2	3,615.48	1/2	3,947.17	1/2	4,278.73	1/2	4,600.80	1/2	4,905.35	1/2		1/2		1/2		1/2		1/2	
3/4	3,622.39	3/4	3,954.08	3/4	4,285.61	3/4	4,607.35	3/4	4,911.52	3/4		3/4		3/4		3/4		3/4	
11	3,629.30	11	3,960.99	11	4,292.48	11	4,613.89	11	4,917.69	11		11		11		11		11	
1/4	3,636.21	1/4	3,967.90	1/4	4,299.33	1/4	4,620.41	1/4	4,923.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,643.12	1/2	3,974.81	1/2	4,306.18	1/2	4,626.92	1/2	4,929.98	1/2		1/2		1/2		1/2		1/2	
3/4	3,650.03	3/4	3,981.72	3/4	4,313.03	3/4	4,633.44	3/4	4,936.13	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2013 CL - SW
CALCULATED: 03/24/2013 CL
PRINTED: 03/24/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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

BARGE "CTCO 251"

1 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 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	21.89	0	339.05	0	670.93	0	1,000.92	0	1,332.44	0	1,664.35	0	1,996.26	0	2,328.17	0	2,660.05	0	2,991.74
1/4	26.39	1/4	345.97	1/4	677.85	1/4	1,007.79	1/4	1,339.36	1/4	1,671.27	1/4	2,003.18	1/4	2,335.09	1/4	2,666.96	1/4	2,998.65
1/2	30.88	1/2	352.88	1/2	684.76	1/2	1,014.66	1/2	1,346.27	1/2	1,678.18	1/2	2,010.09	1/2	2,342.00	1/2	2,673.87	1/2	3,005.56
3/4	35.37	3/4	359.79	3/4	691.68	3/4	1,021.53	3/4	1,353.19	3/4	1,685.10	3/4	2,017.01	3/4	2,348.92	3/4	2,680.78	3/4	3,012.47
1	39.87	1	366.70	1	698.59	1	1,028.40	1	1,360.10	1	1,692.01	1	2,023.92	1	2,355.83	1	2,687.69	1	3,019.38
1/4	45.74	1/4	373.61	1/4	705.51	1/4	1,035.28	1/4	1,367.02	1/4	1,698.93	1/4	2,030.84	1/4	2,362.75	1/4	2,694.60	1/4	3,026.29
1/2	51.62	1/2	380.53	1/2	712.42	1/2	1,042.15	1/2	1,373.93	1/2	1,705.84	1/2	2,037.75	1/2	2,369.66	1/2	2,701.51	1/2	3,033.20
3/4	57.49	3/4	387.44	3/4	719.33	3/4	1,049.02	3/4	1,380.85	3/4	1,712.76	3/4	2,044.67	3/4	2,376.58	3/4	2,708.42	3/4	3,040.11
2	63.37	2	394.35	2	726.25	2	1,055.89	2	1,387.76	2	1,719.67	2	2,051.58	2	2,383.49	2	2,715.33	2	3,047.02
1/4	70.08	1/4	401.27	1/4	733.13	1/4	1,062.80	1/4	1,394.67	1/4	1,726.59	1/4	2,058.50	1/4	2,390.41	1/4	2,722.24	1/4	3,053.93
1/2	76.80	1/2	408.18	1/2	740.00	1/2	1,069.70	1/2	1,401.59	1/2	1,733.50	1/2	2,065.41	1/2	2,397.32	1/2	2,729.15	1/2	3,060.84
3/4	83.51	3/4	415.10	3/4	746.88	3/4	1,076.60	3/4	1,408.50	3/4	1,740.41	3/4	2,072.33	3/4	2,404.24	3/4	2,736.06	3/4	3,067.75
3	90.23	3	422.01	3	753.76	3	1,083.51	3	1,415.42	3	1,747.33	3	2,079.24	3	2,411.15	3	2,742.97	3	3,074.66
1/4	97.12	1/4	428.93	1/4	760.63	1/4	1,090.42	1/4	1,422.33	1/4	1,754.24	1/4	2,086.15	1/4	2,418.07	1/4	2,749.88	1/4	3,081.57
1/2	104.02	1/2	435.84	1/2	767.49	1/2	1,097.34	1/2	1,429.25	1/2	1,761.16	1/2	2,093.07	1/2	2,424.98	1/2	2,756.79	1/2	3,088.48
3/4	110.92	3/4	442.75	3/4	774.36	3/4	1,104.25	3/4	1,436.16	3/4	1,768.07	3/4	2,099.98	3/4	2,431.89	3/4	2,763.70	3/4	3,095.39
4	117.82	4	449.67	4	781.22	4	1,111.17	4	1,443.08	4	1,774.99	4	2,106.90	4	2,438.81	4	2,770.61	4	3,102.30
1/4	124.73	1/4	456.58	1/4	788.09	1/4	1,118.08	1/4	1,449.99	1/4	1,781.90	1/4	2,113.81	1/4	2,445.72	1/4	2,777.52	1/4	3,109.21
1/2	131.64	1/2	463.50	1/2	794.95	1/2	1,125.00	1/2	1,456.91	1/2	1,788.82	1/2	2,120.73	1/2	2,452.64	1/2	2,784.43	1/2	3,116.12
3/4	138.55	3/4	470.41	3/4	801.82	3/4	1,131.91	3/4	1,463.82	3/4	1,795.73	3/4	2,127.64	3/4	2,459.55	3/4	2,791.34	3/4	3,123.03
5	145.46	5	477.33	5	808.69	5	1,138.83	5	1,470.74	5	1,802.65	5	2,134.56	5	2,466.47	5	2,798.25	5	3,129.94
1/4	152.37	1/4	484.24	1/4	815.55	1/4	1,145.74	1/4	1,477.65	1/4	1,809.56	1/4	2,141.47	1/4	2,473.38	1/4	2,805.16	1/4	3,136.85
1/2	159.29	1/2	491.16	1/2	822.42	1/2	1,152.66	1/2	1,484.57	1/2	1,816.48	1/2	2,148.39	1/2	2,480.30	1/2	2,812.07	1/2	3,143.76
3/4	166.20	3/4	498.07	3/4	829.28	3/4	1,159.57	3/4	1,491.48	3/4	1,823.39	3/4	2,155.30	3/4	2,487.21	3/4	2,818.98	3/4	3,150.67
6	173.12	6	504.98	6	836.15	6	1,166.49	6	1,498.40	6	1,830.31	6	2,162.22	6	2,494.13	6	2,825.89	6	3,157.58
1/4	180.03	1/4	511.90	1/4	843.01	1/4	1,173.40	1/4	1,505.31	1/4	1,837.22	1/4	2,169.13	1/4	2,501.04	1/4	2,832.80	1/4	3,164.49
1/2	186.95	1/2	518.81	1/2	849.88	1/2	1,180.32	1/2	1,512.23	1/2	1,844.14	1/2	2,176.05	1/2	2,507.96	1/2	2,839.71	1/2	3,171.40
3/4	193.86	3/4	525.73	3/4	856.74	3/4	1,187.23	3/4	1,519.14	3/4	1,851.05	3/4	2,182.96	3/4	2,514.87	3/4	2,846.62	3/4	3,178.31
7	200.78	7	532.64	7	863.61	7	1,194.15	7	1,526.06	7	1,857.97	7	2,189.88	7	2,521.79	7	2,853.53	7	3,185.22
1/4	207.69	1/4	539.56	1/4	870.48	1/4	1,201.06	1/4	1,532.97	1/4	1,864.88	1/4	2,196.79	1/4	2,528.70	1/4	2,860.44	1/4	3,192.13
1/2	214.60	1/2	546.47	1/2	877.34	1/2	1,207.98	1/2	1,539.89	1/2	1,871.80	1/2	2,203.71	1/2	2,535.62	1/2	2,867.35	1/2	3,199.04
3/4	221.52	3/4	553.39	3/4	884.21	3/4	1,214.89	3/4	1,546.80	3/4	1,878.71	3/4	2,210.62	3/4	2,542.53	3/4	2,874.26	3/4	3,205.95
8	228.43	8	560.30	8	891.07	8	1,221.80	8	1,553.72	8	1,885.63	8	2,217.54	8	2,549.45	8	2,881.17	8	3,212.86
1/4	235.35	1/4	567.22	1/4	897.94	1/4	1,228.72	1/4	1,560.63	1/4	1,892.54	1/4	2,224.45	1/4	2,556.36	1/4	2,888.08	1/4	3,219.77
1/2	242.26	1/2	574.13	1/2	904.80	1/2	1,235.63	1/2	1,567.54	1/2	1,899.46	1/2	2,231.37	1/2	2,563.28	1/2	2,894.99	1/2	3,226.68
3/4	249.18	3/4	581.04	3/4	911.67	3/4	1,242.55	3/4	1,574.46	3/4	1,906.37	3/4	2,238.28	3/4	2,570.19	3/4	2,901.90	3/4	3,233.59
9	256.09	9	587.96	9	918.54	9	1,249.46	9	1,581.37	9	1,913.28	9	2,245.20	9	2,577.11	9	2,908.81	9	3,240.50
1/4	263.01	1/4	594.87	1/4	925.40	1/4	1,256.38	1/4	1,588.29	1/4	1,920.20	1/4	2,252.11	1/4	2,584.02	1/4	2,915.72	1/4	3,247.41
1/2	269.92	1/2	601.79	1/2	932.27	1/2	1,263.29	1/2	1,595.20	1/2	1,927.11	1/2	2,259.02	1/2	2,590.94	1/2	2,922.63	1/2	3,254.32
3/4	276.83	3/4	608.70	3/4	939.13	3/4	1,270.21	3/4	1,602.12	3/4	1,934.03	3/4	2,265.94	3/4	2,597.85	3/4	2,929.54	3/4	3,261.23
10	283.75	10	615.62	10	946.00	10	1,277.12	10	1,609.03	10	1,940.94	10	2,272.85	10	2,604.76	10	2,936.45	10	3,268.14
1/4	290.66	1/4	622.53	1/4	952.86	1/4	1,284.04	1/4	1,615.95	1/4	1,947.86	1/4	2,279.77	1/4	2,611.67	1/4	2,943.36	1/4	3,275.05
1/2	297.58	1/2	629.45	1/2	959.73	1/2	1,290.95	1/2	1,622.86	1/2	1,954.77	1/2	2,286.68	1/2	2,618.58	1/2	2,950.27	1/2	3,281.96
3/4	304.49	3/4	636.36	3/4	966.60	3/4	1,297.87	3/4	1,629.78	3/4	1,961.69	3/4	2,293.60	3/4	2,625.49	3/4	2,957.18	3/4	3,288.87
11	311.41	11	643.27	11	973.46	11	1,304.78	11	1,636.69	11	1,968.60	11	2,300.51	11	2,632.40	11	2,964.09	11	3,295.78
1/4	318.32	1/4	650.19	1/4	980.33	1/4	1,311.70	1/4	1,643.61	1/4	1,975.52	1/4	2,307.43	1/4	2,639.31	1/4	2,971.00	1/4	3,302.69
1/2	325.23	1/2	657.10	1/2	987.19	1/2	1,318.61	1/2	1,650.52	1/2	1,982.43	1/2	2,314.34	1/2	2,646.23	1/2	2,977.91	1/2	3,309.60
3/4	332.14	3/4	664.02	3/4	994.06	3/4	1,325.53	3/4	1,657.44	3/4	1,989.35	3/4	2,321.26	3/4	2,653.14	3/4	2,984.82	3/4	3,316.51

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 OF 2" HERMETIC CLOSED GAUGING VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD.

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

BARGE "CTCO 251"

1 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 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	3,323.42	0	3,655.11	0	3,986.80	0	4,318.05	0	4,638.13	0	4,940.45	0		0		0		0	
1/4	3,330.33	1/4	3,662.02	1/4	3,993.71	1/4	4,324.87	1/4	4,644.59	1/4	4,946.56	1/4		1/4		1/4		1/4	
1/2	3,337.25	1/2	3,668.93	1/2	4,000.62	1/2	4,331.69	1/2	4,651.05	1/2	4,952.68	1/2		1/2		1/2		1/2	
3/4	3,344.16	3/4	3,675.84	3/4	4,007.53	3/4	4,338.51	3/4	4,657.51	3/4	4,958.80	3/4		3/4		3/4		3/4	
1	3,351.07	1	3,682.76	1	4,014.44	1	4,345.33	1	4,663.97	1	4,964.92	1		1		1		1	
1/4	3,357.98	1/4	3,689.67	1/4	4,021.35	1/4	4,352.12	1/4	4,670.39	1/4	4,971.01	1/4		1/4		1/4		1/4	
1/2	3,364.89	1/2	3,696.58	1/2	4,028.27	1/2	4,358.91	1/2	4,676.81	1/2	4,977.10	1/2		1/2		1/2		1/2	
3/4	3,371.80	3/4	3,703.49	3/4	4,035.18	3/4	4,365.71	3/4	4,683.23	3/4	4,983.19	3/4		3/4		3/4		3/4	
2	3,378.71	2	3,710.40	2	4,042.09	2	4,372.50	2	4,689.65	2	4,989.28	2		2		2		2	
1/4	3,385.62	1/4	3,717.31	1/4	4,049.00	1/4	4,379.26	1/4	4,696.05	1/4	4,995.34	1/4		1/4		1/4		1/4	
1/2	3,392.53	1/2	3,724.22	1/2	4,055.91	1/2	4,386.03	1/2	4,702.44	1/2	5,001.40	1/2		1/2		1/2		1/2	
3/4	3,399.44	3/4	3,731.13	3/4	4,062.82	3/4	4,392.80	3/4	4,708.84	3/4	5,007.47	3/4		3/4		3/4		3/4	
3	3,406.35	3	3,738.04	3	4,069.73	3	4,399.56	3	4,715.23	3	5,013.53	3		3		3		3	
1/4	3,413.26	1/4	3,744.95	1/4	4,076.64	1/4	4,406.30	1/4	4,721.60	1/4	5,019.52	1/4		1/4		1/4		1/4	
1/2	3,420.17	1/2	3,751.86	1/2	4,083.55	1/2	4,413.04	1/2	4,727.96	1/2	5,025.52	1/2		1/2		1/2		1/2	
3/4	3,427.08	3/4	3,758.77	3/4	4,090.46	3/4	4,419.77	3/4	4,734.33	3/4	5,031.51	3/4		3/4		3/4		3/4	
4	3,433.99	4	3,765.68	4	4,097.37	4	4,426.51	4	4,740.70	4	5,037.50	4		4		4		4	
1/4	3,440.90	1/4	3,772.59	1/4	4,104.28	1/4	4,433.22	1/4	4,747.04	1/4	5,043.46	1/4		1/4		1/4		1/4	
1/2	3,447.81	1/2	3,779.50	1/2	4,111.19	1/2	4,439.93	1/2	4,753.37	1/2	5,049.41	1/2		1/2		1/2		1/2	
3/4	3,454.72	3/4	3,786.41	3/4	4,118.10	3/4	4,446.64	3/4	4,759.71	3/4	5,055.36	3/4		3/4		3/4		3/4	
5	3,461.63	5	3,793.32	5	4,125.01	5	4,453.35	5	4,766.05	5	5,061.31	5		5		5		5	
1/4	3,468.54	1/4	3,800.23	1/4	4,131.92	1/4	4,460.03	1/4	4,772.36	1/4	5,067.24	1/4		1/4		1/4		1/4	
1/2	3,475.45	1/2	3,807.14	1/2	4,138.83	1/2	4,466.71	1/2	4,778.67	1/2	5,073.16	1/2		1/2		1/2		1/2	
3/4	3,482.36	3/4	3,814.05	3/4	4,145.74	3/4	4,473.40	3/4	4,784.99	3/4	5,079.09	3/4		3/4		3/4		3/4	
6	3,489.27	6	3,820.96	6	4,152.65	6	4,480.08	6	4,791.30	6	5,085.01	6		6		6		6	
1/4	3,496.18	1/4	3,827.87	1/4	4,159.56	1/4	4,486.73	1/4	4,797.58	1/4	5,090.91	1/4		1/4		1/4		1/4	
1/2	3,503.09	1/2	3,834.78	1/2	4,166.47	1/2	4,493.39	1/2	4,803.86	1/2	5,096.81	1/2		1/2		1/2		1/2	
3/4	3,510.00	3/4	3,841.69	3/4	4,173.38	3/4	4,500.04	3/4	4,810.15	3/4	5,102.71	3/4		3/4		3/4		3/4	
7	3,516.91	7	3,848.60	7	4,180.29	7	4,506.70	7	4,816.43	7	5,108.61	7		7		7		7	
1/4	3,523.82	1/4	3,855.51	1/4	4,187.20	1/4	4,513.32	1/4	4,822.69	1/4	5,113.96	1/4		1/4		1/4		1/4	
1/2	3,530.73	1/2	3,862.42	1/2	4,194.11	1/2	4,519.95	1/2	4,828.94	1/2	5,119.31	1/2		1/2		1/2		1/2	
3/4	3,537.64	3/4	3,869.33	3/4	4,201.02	3/4	4,526.58	3/4	4,835.20	3/4	5,124.67	3/4		3/4		3/4		3/4	
8	3,544.55	8	3,876.24	8	4,207.93	8	4,533.20	8	4,841.46	8	5,130.02	8		8		8		8	
1/4	3,551.46	1/4	3,883.15	1/4	4,214.84	1/4	4,539.80	1/4	4,847.68	1/4	5,134.90	1/4		1/4		1/4		1/4	
1/2	3,558.37	1/2	3,890.06	1/2	4,221.75	1/2	4,546.40	1/2	4,853.91	1/2	5,139.78	1/2		1/2		1/2		1/2	
3/4	3,565.28	3/4	3,896.97	3/4	4,228.66	3/4	4,553.00	3/4	4,860.14	3/4		3/4		3/4		3/4		3/4	
9	3,572.19	9	3,903.88	9	4,235.57	9	4,559.60	9	4,866.37	9		9		9		9		9	
1/4	3,579.10	1/4	3,910.79	1/4	4,242.47	1/4	4,566.17	1/4	4,872.57	1/4		1/4		1/4		1/4		1/4	
1/2	3,586.01	1/2	3,917.70	1/2	4,249.36	1/2	4,572.74	1/2	4,878.77	1/2		1/2		1/2		1/2		1/2	
3/4	3,592.92	3/4	3,924.61	3/4	4,256.26	3/4	4,579.32	3/4	4,884.97	3/4		3/4		3/4		3/4		3/4	
10	3,599.83	10	3,931.52	10	4,263.15	10	4,585.89	10	4,891.17	10		10		10		10		10	
1/4	3,606.74	1/4	3,938.43	1/4	4,270.03	1/4	4,592.43	1/4	4,897.35	1/4		1/4		1/4		1/4		1/4	
1/2	3,613.65	1/2	3,945.34	1/2	4,276.91	1/2	4,598.98	1/2	4,903.52	1/2		1/2		1/2		1/2		1/2	
3/4	3,620.56	3/4	3,952.25	3/4	4,283.78	3/4	4,605.52	3/4	4,909.69	3/4		3/4		3/4		3/4		3/4	
11	3,627.47	11	3,959.16	11	4,290.66	11	4,612.06	11	4,915.87	11		11		11		11		11	
1/4	3,634.38	1/4	3,966.07	1/4	4,297.50	1/4	4,618.58	1/4	4,922.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,641.29	1/2	3,972.98	1/2	4,304.35	1/2	4,625.10	1/2	4,928.16	1/2		1/2		1/2		1/2		1/2	
3/4	3,648.20	3/4	3,979.89	3/4	4,311.20	3/4	4,631.61	3/4	4,934.30	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2013 CL - SW
CALCULATED: 03/24/2013 CL
PRINTED: 03/24/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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

BARGE "CTCO 251"

2 PORT

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09"

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	21.83	0	338.08	0	669.00	0	999.63	0	1,330.54	0	1,661.50	0	1,992.45	0	2,323.41	0	2,654.32	0	2,985.05
1/4	26.31	1/4	344.97	1/4	675.90	1/4	1,006.52	1/4	1,337.44	1/4	1,668.39	1/4	1,999.35	1/4	2,330.30	1/4	2,661.21	1/4	2,991.94
1/2	30.79	1/2	351.86	1/2	682.79	1/2	1,013.40	1/2	1,344.33	1/2	1,675.29	1/2	2,006.24	1/2	2,337.20	1/2	2,668.10	1/2	2,998.83
3/4	35.27	3/4	358.75	3/4	689.69	3/4	1,020.29	3/4	1,351.23	3/4	1,682.18	3/4	2,013.14	3/4	2,344.09	3/4	2,674.99	3/4	3,005.72
1	39.75	1	365.65	1	696.58	1	1,027.17	1	1,358.12	1	1,689.08	1	2,020.03	1	2,350.99	1	2,681.88	1	3,012.61
1/4	45.61	1/4	372.54	1/4	703.48	1/4	1,034.07	1/4	1,365.02	1/4	1,695.97	1/4	2,026.93	1/4	2,357.88	1/4	2,688.77	1/4	3,019.50
1/2	51.47	1/2	379.43	1/2	710.37	1/2	1,040.96	1/2	1,371.91	1/2	1,702.87	1/2	2,033.82	1/2	2,364.78	1/2	2,695.66	1/2	3,026.39
3/4	57.33	3/4	386.33	3/4	717.27	3/4	1,047.85	3/4	1,378.81	3/4	1,709.76	3/4	2,040.72	3/4	2,371.67	3/4	2,702.55	3/4	3,033.28
2	63.19	2	393.22	2	724.16	2	1,054.74	2	1,385.70	2	1,716.66	2	2,047.61	2	2,378.57	2	2,709.44	2	3,040.17
1/4	69.88	1/4	400.11	1/4	731.06	1/4	1,061.64	1/4	1,392.60	1/4	1,723.55	1/4	2,054.51	1/4	2,385.46	1/4	2,716.33	1/4	3,047.06
1/2	76.58	1/2	407.01	1/2	737.95	1/2	1,068.53	1/2	1,399.49	1/2	1,730.45	1/2	2,061.40	1/2	2,392.36	1/2	2,723.22	1/2	3,053.95
3/4	83.27	3/4	413.90	3/4	744.84	3/4	1,075.43	3/4	1,406.38	3/4	1,737.34	3/4	2,068.30	3/4	2,399.25	3/4	2,730.11	3/4	3,060.84
3	89.97	3	420.80	3	751.74	3	1,082.32	3	1,413.28	3	1,744.23	3	2,075.19	3	2,406.15	3	2,737.00	3	3,067.73
1/4	96.85	1/4	427.69	1/4	758.63	1/4	1,089.22	1/4	1,420.17	1/4	1,751.13	1/4	2,082.09	1/4	2,413.04	1/4	2,743.90	1/4	3,074.62
1/2	103.72	1/2	434.59	1/2	765.51	1/2	1,096.11	1/2	1,427.07	1/2	1,758.02	1/2	2,088.98	1/2	2,419.94	1/2	2,750.79	1/2	3,081.51
3/4	110.60	3/4	441.48	3/4	772.40	3/4	1,103.01	3/4	1,433.96	3/4	1,764.92	3/4	2,095.87	3/4	2,426.83	3/4	2,757.68	3/4	3,088.41
4	117.48	4	448.38	4	779.29	4	1,109.90	4	1,440.86	4	1,771.81	4	2,102.77	4	2,433.72	4	2,764.57	4	3,095.30
1/4	124.37	1/4	455.27	1/4	786.18	1/4	1,116.80	1/4	1,447.75	1/4	1,778.71	1/4	2,109.66	1/4	2,440.62	1/4	2,771.46	1/4	3,102.19
1/2	131.26	1/2	462.17	1/2	793.06	1/2	1,123.69	1/2	1,454.65	1/2	1,785.60	1/2	2,116.56	1/2	2,447.51	1/2	2,778.35	1/2	3,109.08
3/4	138.15	3/4	469.06	3/4	799.95	3/4	1,130.59	3/4	1,461.54	3/4	1,792.50	3/4	2,123.45	3/4	2,454.41	3/4	2,785.24	3/4	3,115.97
5	145.04	5	475.96	5	806.83	5	1,137.48	5	1,468.44	5	1,799.39	5	2,130.35	5	2,461.30	5	2,792.13	5	3,122.86
1/4	151.94	1/4	482.85	1/4	813.72	1/4	1,144.38	1/4	1,475.33	1/4	1,806.29	1/4	2,137.24	1/4	2,468.20	1/4	2,799.02	1/4	3,129.75
1/2	158.83	1/2	489.74	1/2	820.60	1/2	1,151.27	1/2	1,482.23	1/2	1,813.18	1/2	2,144.14	1/2	2,475.09	1/2	2,805.91	1/2	3,136.64
3/4	165.73	3/4	496.64	3/4	827.49	3/4	1,158.17	3/4	1,489.12	3/4	1,820.08	3/4	2,151.03	3/4	2,481.99	3/4	2,812.80	3/4	3,143.53
6	172.62	6	503.53	6	834.37	6	1,165.06	6	1,496.02	6	1,826.97	6	2,157.93	6	2,488.88	6	2,819.69	6	3,150.42
1/4	179.52	1/4	510.43	1/4	841.26	1/4	1,171.96	1/4	1,502.91	1/4	1,833.87	1/4	2,164.82	1/4	2,495.78	1/4	2,826.58	1/4	3,157.31
1/2	186.41	1/2	517.32	1/2	848.15	1/2	1,178.85	1/2	1,509.81	1/2	1,840.76	1/2	2,171.72	1/2	2,502.67	1/2	2,833.47	1/2	3,164.20
3/4	193.30	3/4	524.22	3/4	855.03	3/4	1,185.75	3/4	1,516.70	3/4	1,847.66	3/4	2,178.61	3/4	2,509.57	3/4	2,840.36	3/4	3,171.09
7	200.20	7	531.11	7	861.92	7	1,192.64	7	1,523.60	7	1,854.55	7	2,185.51	7	2,516.46	7	2,847.25	7	3,177.98
1/4	207.09	1/4	538.01	1/4	868.80	1/4	1,199.54	1/4	1,530.49	1/4	1,861.45	1/4	2,192.40	1/4	2,523.36	1/4	2,854.14	1/4	3,184.87
1/2	213.99	1/2	544.90	1/2	875.69	1/2	1,206.43	1/2	1,537.39	1/2	1,868.34	1/2	2,199.30	1/2	2,530.25	1/2	2,861.03	1/2	3,191.76
3/4	220.88	3/4	551.80	3/4	882.57	3/4	1,213.33	3/4	1,544.28	3/4	1,875.24	3/4	2,206.19	3/4	2,537.15	3/4	2,867.92	3/4	3,198.65
8	227.78	8	558.69	8	889.46	8	1,220.22	8	1,551.18	8	1,882.13	8	2,213.09	8	2,544.04	8	2,874.81	8	3,205.54
1/4	234.67	1/4	565.59	1/4	896.35	1/4	1,227.12	1/4	1,558.07	1/4	1,889.03	1/4	2,219.98	1/4	2,550.94	1/4	2,881.70	1/4	3,212.43
1/2	241.57	1/2	572.48	1/2	903.23	1/2	1,234.01	1/2	1,564.97	1/2	1,895.92	1/2	2,226.88	1/2	2,557.83	1/2	2,888.59	1/2	3,219.32
3/4	248.46	3/4	579.37	3/4	910.12	3/4	1,240.91	3/4	1,571.86	3/4	1,902.82	3/4	2,233.77	3/4	2,564.73	3/4	2,895.48	3/4	3,226.21
9	255.36	9	586.27	9	917.00	9	1,247.80	9	1,578.76	9	1,909.71	9	2,240.67	9	2,571.62	9	2,902.37	9	3,233.10
1/4	262.25	1/4	593.16	1/4	923.89	1/4	1,254.70	1/4	1,585.65	1/4	1,916.61	1/4	2,247.56	1/4	2,578.52	1/4	2,909.26	1/4	3,239.99
1/2	269.15	1/2	600.06	1/2	930.77	1/2	1,261.59	1/2	1,592.55	1/2	1,923.50	1/2	2,254.46	1/2	2,585.41	1/2	2,916.15	1/2	3,246.88
3/4	276.04	3/4	606.95	3/4	937.66	3/4	1,268.49	3/4	1,599.44	3/4	1,930.40	3/4	2,261.35	3/4	2,592.31	3/4	2,923.04	3/4	3,253.77
10	282.93	10	613.85	10	944.55	10	1,275.38	10	1,606.34	10	1,937.29	10	2,268.25	10	2,599.20	10	2,929.93	10	3,260.66
1/4	289.83	1/4	620.74	1/4	951.43	1/4	1,282.28	1/4	1,613.23	1/4	1,944.19	1/4	2,275.14	1/4	2,606.09	1/4	2,936.82	1/4	3,267.55
1/2	296.72	1/2	627.64	1/2	958.32	1/2	1,289.17	1/2	1,620.13	1/2	1,951.08	1/2	2,282.04	1/2	2,612.98	1/2	2,943.71	1/2	3,274.44
3/4	303.62	3/4	634.53	3/4	965.20	3/4	1,296.07	3/4	1,627.02	3/4	1,957.98	3/4	2,288.93	3/4	2,619.87	3/4	2,950.60	3/4	3,281.33
11	310.51	11	641.43	11	972.09	11	1,302.96	11	1,633.92	11	1,964.87	11	2,295.83	11	2,626.76	11	2,957.49	11	3,288.22
1/4	317.40	1/4	648.32	1/4	978.97	1/4	1,309.86	1/4	1,640.81	1/4	1,971.77	1/4	2,302.72	1/4	2,633.65	1/4	2,964.38	1/4	3,295.11
1/2	324.30	1/2	655.21	1/2	985.86	1/2	1,316.75	1/2	1,647.71	1/2	1,978.66	1/2	2,309.62	1/2	2,640.54	1/2	2,971.27	1/2	3,302.00
3/4	331.19	3/4	662.11	3/4	992.75	3/4	1,323.65	3/4	1,654.60	3/4	1,985.56	3/4	2,316.51	3/4	2,647.43	3/4	2,978.16	3/4	3,308.89

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 OF 2" HERMETIC CLOSED GAUGING VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD.

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

BARGE "CTCO 251"

2 PORT

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09"

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	3,315.78	0	3,646.51	0	3,977.24	0	4,307.55	0	4,626.71	0	4,928.15	0		0		0		0	
1/4	3,322.67	1/4	3,653.40	1/4	3,984.13	1/4	4,314.35	1/4	4,633.15	1/4	4,934.25	1/4		1/4		1/4		1/4	
1/2	3,329.56	1/2	3,660.29	1/2	3,991.02	1/2	4,321.15	1/2	4,639.59	1/2	4,940.35	1/2		1/2		1/2		1/2	
3/4	3,336.45	3/4	3,667.18	3/4	3,997.91	3/4	4,327.95	3/4	4,646.03	3/4	4,946.45	3/4		3/4		3/4		3/4	
1	3,343.34	1	3,674.07	1	4,004.80	1	4,334.75	1	4,652.47	1	4,952.55	1		1		1		1	
1/4	3,350.23	1/4	3,680.96	1/4	4,011.69	1/4	4,341.53	1/4	4,658.88	1/4	4,958.63	1/4		1/4		1/4		1/4	
1/2	3,357.12	1/2	3,687.85	1/2	4,018.58	1/2	4,348.30	1/2	4,665.28	1/2	4,964.70	1/2		1/2		1/2		1/2	
3/4	3,364.01	3/4	3,694.74	3/4	4,025.47	3/4	4,355.07	3/4	4,671.68	3/4	4,970.77	3/4		3/4		3/4		3/4	
2	3,370.90	2	3,701.63	2	4,032.36	2	4,361.84	2	4,678.08	2	4,976.84	2		2		2		2	
1/4	3,377.79	1/4	3,708.52	1/4	4,039.25	1/4	4,368.59	1/4	4,684.46	1/4	4,982.89	1/4		1/4		1/4		1/4	
1/2	3,384.68	1/2	3,715.41	1/2	4,046.14	1/2	4,375.34	1/2	4,690.84	1/2	4,988.93	1/2		1/2		1/2		1/2	
3/4	3,391.57	3/4	3,722.30	3/4	4,053.03	3/4	4,382.08	3/4	4,697.21	3/4	4,994.98	3/4		3/4		3/4		3/4	
3	3,398.46	3	3,729.19	3	4,059.92	3	4,388.83	3	4,703.59	3	5,001.02	3		3		3		3	
1/4	3,405.35	1/4	3,736.08	1/4	4,066.81	1/4	4,395.54	1/4	4,709.94	1/4	5,007.00	1/4		1/4		1/4		1/4	
1/2	3,412.24	1/2	3,742.97	1/2	4,073.70	1/2	4,402.26	1/2	4,716.28	1/2	5,012.98	1/2		1/2		1/2		1/2	
3/4	3,419.13	3/4	3,749.86	3/4	4,080.59	3/4	4,408.98	3/4	4,722.63	3/4	5,018.95	3/4		3/4		3/4		3/4	
4	3,426.02	4	3,756.75	4	4,087.48	4	4,415.70	4	4,728.98	4	5,024.93	4		4		4		4	
1/4	3,432.92	1/4	3,763.64	1/4	4,094.37	1/4	4,422.39	1/4	4,735.30	1/4	5,030.86	1/4		1/4		1/4		1/4	
1/2	3,439.81	1/2	3,770.53	1/2	4,101.26	1/2	4,429.08	1/2	4,741.62	1/2	5,036.80	1/2		1/2		1/2		1/2	
3/4	3,446.70	3/4	3,777.43	3/4	4,108.15	3/4	4,435.77	3/4	4,747.94	3/4	5,042.73	3/4		3/4		3/4		3/4	
5	3,453.59	5	3,784.32	5	4,115.04	5	4,442.46	5	4,754.26	5	5,048.67	5		5		5		5	
1/4	3,460.48	1/4	3,791.21	1/4	4,121.94	1/4	4,449.12	1/4	4,760.56	1/4	5,054.58	1/4		1/4		1/4		1/4	
1/2	3,467.37	1/2	3,798.10	1/2	4,128.83	1/2	4,455.79	1/2	4,766.85	1/2	5,060.48	1/2		1/2		1/2		1/2	
3/4	3,474.26	3/4	3,804.99	3/4	4,135.72	3/4	4,462.45	3/4	4,773.14	3/4	5,066.39	3/4		3/4		3/4		3/4	
6	3,481.15	6	3,811.88	6	4,142.61	6	4,469.11	6	4,779.43	6	5,072.30	6		6		6		6	
1/4	3,488.04	1/4	3,818.77	1/4	4,149.50	1/4	4,475.75	1/4	4,785.70	1/4	5,078.18	1/4		1/4		1/4		1/4	
1/2	3,494.93	1/2	3,825.66	1/2	4,156.39	1/2	4,482.38	1/2	4,791.97	1/2	5,084.06	1/2		1/2		1/2		1/2	
3/4	3,501.82	3/4	3,832.55	3/4	4,163.28	3/4	4,489.02	3/4	4,798.23	3/4	5,089.95	3/4		3/4		3/4		3/4	
7	3,508.71	7	3,839.44	7	4,170.17	7	4,495.65	7	4,804.50	7	5,095.83	7		7		7		7	
1/4	3,515.60	1/4	3,846.33	1/4	4,177.06	1/4	4,502.26	1/4	4,810.73	1/4	5,101.17	1/4		1/4		1/4		1/4	
1/2	3,522.49	1/2	3,853.22	1/2	4,183.95	1/2	4,508.87	1/2	4,816.97	1/2	5,106.50	1/2		1/2		1/2		1/2	
3/4	3,529.38	3/4	3,860.11	3/4	4,190.84	3/4	4,515.48	3/4	4,823.21	3/4	5,111.84	3/4		3/4		3/4		3/4	
8	3,536.27	8	3,867.00	8	4,197.73	8	4,522.09	8	4,829.45	8	5,117.18	8		8		8		8	
1/4	3,543.16	1/4	3,873.89	1/4	4,204.62	1/4	4,528.67	1/4	4,835.66	1/4	5,122.05	1/4		1/4		1/4		1/4	
1/2	3,550.05	1/2	3,880.78	1/2	4,211.51	1/2	4,535.25	1/2	4,841.87	1/2	5,126.91	1/2		1/2		1/2		1/2	
3/4	3,556.94	3/4	3,887.67	3/4	4,218.40	3/4	4,541.83	3/4	4,848.08	3/4		3/4		3/4		3/4		3/4	
9	3,563.83	9	3,894.56	9	4,225.29	9	4,548.41	9	4,854.29	9		9		9		9		9	
1/4	3,570.72	1/4	3,901.45	1/4	4,232.17	1/4	4,554.96	1/4	4,860.47	1/4		1/4		1/4		1/4		1/4	
1/2	3,577.61	1/2	3,908.34	1/2	4,239.05	1/2	4,561.51	1/2	4,866.66	1/2		1/2		1/2		1/2		1/2	
3/4	3,584.50	3/4	3,915.23	3/4	4,245.93	3/4	4,568.07	3/4	4,872.84	3/4		3/4		3/4		3/4		3/4	
10	3,591.39	10	3,922.12	10	4,252.81	10	4,574.62	10	4,879.02	10		10		10		10		10	
1/4	3,598.28	1/4	3,929.01	1/4	4,259.67	1/4	4,581.14	1/4	4,885.18	1/4		1/4		1/4		1/4		1/4	
1/2	3,605.17	1/2	3,935.90	1/2	4,266.52	1/2	4,587.67	1/2	4,891.33	1/2		1/2		1/2		1/2		1/2	
3/4	3,612.06	3/4	3,942.79	3/4	4,273.38	3/4	4,594.19	3/4	4,897.49	3/4		3/4		3/4		3/4		3/4	
11	3,618.95	11	3,949.68	11	4,280.24	11	4,600.72	11	4,903.64	11		11		11		11		11	
1/4	3,625.84	1/4	3,956.57	1/4	4,287.06	1/4	4,607.22	1/4	4,909.77	1/4		1/4		1/4		1/4		1/4	
1/2	3,632.73	1/2	3,963.46	1/2	4,293.89	1/2	4,613.71	1/2	4,915.90	1/2		1/2		1/2		1/2		1/2	
3/4	3,639.62	3/4	3,970.35	3/4	4,300.72	3/4	4,620.21	3/4	4,922.02	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2013 CL - SW
CALCULATED: 03/24/2013 CL
PRINTED: 03/24/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "CTCO 251"

2 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 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	21.41	0	326.16	0	629.72	0	918.38	0	1,246.13	0	1,577.16	0	1,908.19	0	2,239.22	0	2,570.23	0	2,901.03
1/4	25.80	1/4	332.63	1/4	635.86	1/4	924.91	1/4	1,253.02	1/4	1,584.06	1/4	1,915.09	1/4	2,246.12	1/4	2,577.12	1/4	2,907.93
1/2	30.19	1/2	339.11	1/2	642.01	1/2	931.43	1/2	1,259.92	1/2	1,590.95	1/2	1,921.98	1/2	2,253.02	1/2	2,584.01	1/2	2,914.82
3/4	34.59	3/4	345.58	3/4	648.15	3/4	937.96	3/4	1,266.82	3/4	1,597.85	3/4	1,928.88	3/4	2,259.91	3/4	2,590.90	3/4	2,921.71
1	38.98	1	352.05	1	654.30	1	944.49	1	1,273.71	1	1,604.75	1	1,935.78	1	2,266.81	1	2,597.80	1	2,928.60
1/4	44.72	1/4	358.50	1/4	660.42	1/4	951.03	1/4	1,280.61	1/4	1,611.64	1/4	1,942.67	1/4	2,273.71	1/4	2,604.69	1/4	2,935.49
1/2	50.47	1/2	364.95	1/2	666.54	1/2	957.56	1/2	1,287.51	1/2	1,618.54	1/2	1,949.57	1/2	2,280.60	1/2	2,611.58	1/2	2,942.39
3/4	56.21	3/4	371.39	3/4	672.65	3/4	964.09	3/4	1,294.40	3/4	1,625.44	3/4	1,956.47	3/4	2,287.50	3/4	2,618.47	3/4	2,949.28
2	61.95	2	377.84	2	678.77	2	970.63	2	1,301.30	2	1,632.33	2	1,963.36	2	2,294.40	2	2,625.36	2	2,956.17
1/4	68.50	1/4	384.26	1/4	684.59	1/4	977.43	1/4	1,308.20	1/4	1,639.23	1/4	1,970.26	1/4	2,301.29	1/4	2,632.25	1/4	2,963.06
1/2	75.05	1/2	390.68	1/2	690.41	1/2	984.24	1/2	1,315.09	1/2	1,646.12	1/2	1,977.16	1/2	2,308.19	1/2	2,639.15	1/2	2,969.95
3/4	81.61	3/4	397.11	3/4	696.23	3/4	991.05	3/4	1,321.99	3/4	1,653.02	3/4	1,984.05	3/4	2,315.09	3/4	2,646.04	3/4	2,976.84
3	88.16	3	403.53	3	702.05	3	997.85	3	1,328.89	3	1,659.92	3	1,990.95	3	2,321.98	3	2,652.93	3	2,983.74
1/4	94.87	1/4	409.92	1/4	707.75	1/4	1,004.75	1/4	1,335.78	1/4	1,666.81	1/4	1,997.85	1/4	2,328.88	1/4	2,659.82	1/4	2,990.63
1/2	101.57	1/2	416.31	1/2	713.44	1/2	1,011.65	1/2	1,342.68	1/2	1,673.71	1/2	2,004.74	1/2	2,335.77	1/2	2,666.71	1/2	2,997.52
3/4	108.28	3/4	422.71	3/4	719.14	3/4	1,018.54	3/4	1,349.58	3/4	1,680.61	3/4	2,011.64	3/4	2,342.67	3/4	2,673.60	3/4	3,004.41
4	114.99	4	429.10	4	724.84	4	1,025.44	4	1,356.47	4	1,687.50	4	2,018.54	4	2,349.57	4	2,680.50	4	3,011.30
1/4	121.68	1/4	435.46	1/4	730.51	1/4	1,032.34	1/4	1,363.37	1/4	1,694.40	1/4	2,025.43	1/4	2,356.46	1/4	2,687.39	1/4	3,018.19
1/2	128.37	1/2	441.83	1/2	736.17	1/2	1,039.23	1/2	1,370.26	1/2	1,701.30	1/2	2,032.33	1/2	2,363.36	1/2	2,694.28	1/2	3,025.09
3/4	135.07	3/4	448.20	3/4	741.84	3/4	1,046.13	3/4	1,377.16	3/4	1,708.19	3/4	2,039.23	3/4	2,370.26	3/4	2,701.17	3/4	3,031.98
5	141.76	5	454.56	5	747.51	5	1,053.03	5	1,384.06	5	1,715.09	5	2,046.12	5	2,377.15	5	2,708.06	5	3,038.87
1/4	148.43	1/4	460.90	1/4	753.15	1/4	1,059.92	1/4	1,390.95	1/4	1,721.99	1/4	2,053.02	1/4	2,384.05	1/4	2,714.96	1/4	3,045.76
1/2	155.10	1/2	467.24	1/2	758.79	1/2	1,066.82	1/2	1,397.85	1/2	1,728.88	1/2	2,059.91	1/2	2,390.95	1/2	2,721.85	1/2	3,052.65
3/4	161.76	3/4	473.58	3/4	764.43	3/4	1,073.72	3/4	1,404.75	3/4	1,735.78	3/4	2,066.81	3/4	2,397.84	3/4	2,728.74	3/4	3,059.55
6	168.43	6	479.92	6	770.07	6	1,080.61	6	1,411.64	6	1,742.68	6	2,073.71	6	2,404.74	6	2,735.63	6	3,066.44
1/4	175.07	1/4	486.23	1/4	775.68	1/4	1,087.51	1/4	1,418.54	1/4	1,749.57	1/4	2,080.60	1/4	2,411.64	1/4	2,742.52	1/4	3,073.33
1/2	181.72	1/2	492.54	1/2	781.30	1/2	1,094.40	1/2	1,425.44	1/2	1,756.47	1/2	2,087.50	1/2	2,418.53	1/2	2,749.41	1/2	3,080.22
3/4	188.36	3/4	498.85	3/4	786.91	3/4	1,101.30	3/4	1,432.33	3/4	1,763.37	3/4	2,094.40	3/4	2,425.43	3/4	2,756.31	3/4	3,087.11
7	195.00	7	505.16	7	792.52	7	1,108.20	7	1,439.23	7	1,770.26	7	2,101.29	7	2,432.33	7	2,763.20	7	3,094.00
1/4	201.61	1/4	511.44	1/4	798.11	1/4	1,115.09	1/4	1,446.13	1/4	1,777.16	1/4	2,108.19	1/4	2,439.22	1/4	2,770.09	1/4	3,100.90
1/2	208.23	1/2	517.72	1/2	803.69	1/2	1,121.99	1/2	1,453.02	1/2	1,784.05	1/2	2,115.09	1/2	2,446.12	1/2	2,776.98	1/2	3,107.79
3/4	214.84	3/4	524.01	3/4	809.28	3/4	1,128.89	3/4	1,459.92	3/4	1,790.95	3/4	2,121.98	3/4	2,453.02	3/4	2,783.87	3/4	3,114.68
8	221.45	8	530.29	8	814.86	8	1,135.78	8	1,466.82	8	1,797.85	8	2,128.88	8	2,459.91	8	2,790.77	8	3,121.57
1/4	228.04	1/4	536.55	1/4	821.15	1/4	1,142.68	1/4	1,473.71	1/4	1,804.74	1/4	2,135.78	1/4	2,466.81	1/4	2,797.66	1/4	3,128.46
1/2	234.63	1/2	542.80	1/2	827.45	1/2	1,149.58	1/2	1,480.61	1/2	1,811.64	1/2	2,142.67	1/2	2,473.70	1/2	2,804.55	1/2	3,135.36
3/4	241.21	3/4	549.06	3/4	833.74	3/4	1,156.47	3/4	1,487.51	3/4	1,818.54	3/4	2,149.57	3/4	2,480.60	3/4	2,811.44	3/4	3,142.25
9	247.80	9	555.31	9	840.03	9	1,163.37	9	1,494.40	9	1,825.43	9	2,156.47	9	2,487.50	9	2,818.33	9	3,149.14
1/4	254.36	1/4	561.54	1/4	846.56	1/4	1,170.27	1/4	1,501.30	1/4	1,832.33	1/4	2,163.36	1/4	2,494.39	1/4	2,825.22	1/4	3,156.03
1/2	260.92	1/2	567.77	1/2	853.09	1/2	1,177.16	1/2	1,508.19	1/2	1,839.23	1/2	2,170.26	1/2	2,501.29	1/2	2,832.12	1/2	3,162.92
3/4	267.47	3/4	574.00	3/4	859.62	3/4	1,184.06	3/4	1,515.09	3/4	1,846.12	3/4	2,177.16	3/4	2,508.19	3/4	2,839.01	3/4	3,169.81
10	274.03	10	580.23	10	866.14	10	1,190.96	10	1,521.99	10	1,853.02	10	2,184.05	10	2,515.08	10	2,845.90	10	3,176.71
1/4	280.56	1/4	586.43	1/4	872.67	1/4	1,197.85	1/4	1,528.88	1/4	1,859.92	1/4	2,190.95	1/4	2,521.98	1/4	2,852.79	1/4	3,183.60
1/2	287.09	1/2	592.63	1/2	879.20	1/2	1,204.75	1/2	1,535.78	1/2	1,866.81	1/2	2,197.84	1/2	2,528.87	1/2	2,859.68	1/2	3,190.49
3/4	293.63	3/4	598.83	3/4	885.73	3/4	1,211.65	3/4	1,542.68	3/4	1,873.71	3/4	2,204.74	3/4	2,535.77	3/4	2,866.58	3/4	3,197.38
11	300.16	11	605.03	11	892.26	11	1,218.54	11	1,549.57	11	1,880.61	11	2,211.64	11	2,542.66	11	2,873.47	11	3,204.27
1/4	306.66	1/4	611.20	1/4	898.79	1/4	1,225.44	1/4	1,556.47	1/4	1,887.50	1/4	2,218.53	1/4	2,549.55	1/4	2,880.36	1/4	3,211.17
1/2	313.16	1/2	617.37	1/2	905.32	1/2	1,232.33	1/2	1,563.37	1/2	1,894.40	1/2	2,225.43	1/2	2,556.44	1/2	2,887.25	1/2	3,218.06
3/4	319.66	3/4	623.55	3/4	911.85	3/4	1,239.23	3/4	1,570.26	3/4	1,901.30	3/4	2,232.33	3/4	2,563.34	3/4	2,894.14	3/4	3,224.95

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 OF 2" HERMETIC CLOSED GAUGING VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD.

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

BARGE "CTCO 251"

2 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 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	3,231.84	0	3,562.65	0	3,893.45	0	4,224.26	0	4,555.07	0	4,884.05	0		0		0		0	
1/4	3,238.73	1/4	3,569.54	1/4	3,900.35	1/4	4,231.15	1/4	4,561.93	1/4	4,890.90	1/4		1/4		1/4		1/4	
1/2	3,245.62	1/2	3,576.43	1/2	3,907.24	1/2	4,238.04	1/2	4,568.80	1/2	4,897.75	1/2		1/2		1/2		1/2	
3/4	3,252.52	3/4	3,583.32	3/4	3,914.13	3/4	4,244.94	3/4	4,575.67	3/4	4,904.60	3/4		3/4		3/4		3/4	
1	3,259.41	1	3,590.21	1	3,921.02	1	4,251.83	1	4,582.54	1	4,911.46	1		1		1		1	
1/4	3,266.30	1/4	3,597.11	1/4	3,927.91	1/4	4,258.72	1/4	4,589.39	1/4	4,918.31	1/4		1/4		1/4		1/4	
1/2	3,273.19	1/2	3,604.00	1/2	3,934.80	1/2	4,265.61	1/2	4,596.24	1/2	4,925.16	1/2		1/2		1/2		1/2	
3/4	3,280.08	3/4	3,610.89	3/4	3,941.70	3/4	4,272.50	3/4	4,603.09	3/4	4,932.01	3/4		3/4		3/4		3/4	
2	3,286.98	2	3,617.78	2	3,948.59	2	4,279.39	2	4,609.95	2	4,938.87	2		2		2		2	
1/4	3,293.87	1/4	3,624.67	1/4	3,955.48	1/4	4,286.29	1/4	4,616.80	1/4	4,945.72	1/4		1/4		1/4		1/4	
1/2	3,300.76	1/2	3,631.57	1/2	3,962.37	1/2	4,293.18	1/2	4,623.65	1/2	4,952.57	1/2		1/2		1/2		1/2	
3/4	3,307.65	3/4	3,638.46	3/4	3,969.26	3/4	4,300.07	3/4	4,630.50	3/4	4,959.42	3/4		3/4		3/4		3/4	
3	3,314.54	3	3,645.35	3	3,976.16	3	4,306.96	3	4,637.36	3	4,966.28	3		3		3		3	
1/4	3,321.43	1/4	3,652.24	1/4	3,983.05	1/4	4,313.85	1/4	4,644.21	1/4	4,973.09	1/4		1/4		1/4		1/4	
1/2	3,328.33	1/2	3,659.13	1/2	3,989.94	1/2	4,320.75	1/2	4,651.06	1/2	4,979.90	1/2		1/2		1/2		1/2	
3/4	3,335.22	3/4	3,666.02	3/4	3,996.83	3/4	4,327.64	3/4	4,657.91	3/4	4,986.71	3/4		3/4		3/4		3/4	
4	3,342.11	4	3,672.92	4	4,003.72	4	4,334.53	4	4,664.77	4	4,993.52	4		4		4		4	
1/4	3,349.00	1/4	3,679.81	1/4	4,010.61	1/4	4,341.42	1/4	4,671.62	1/4	5,000.32	1/4		1/4		1/4		1/4	
1/2	3,355.89	1/2	3,686.70	1/2	4,017.51	1/2	4,348.31	1/2	4,678.47	1/2	5,007.11	1/2		1/2		1/2		1/2	
3/4	3,362.78	3/4	3,693.59	3/4	4,024.40	3/4	4,355.20	3/4	4,685.32	3/4	5,013.91	3/4		3/4		3/4		3/4	
5	3,369.68	5	3,700.48	5	4,031.29	5	4,362.10	5	4,692.18	5	5,020.71	5		5		5		5	
1/4	3,376.57	1/4	3,707.37	1/4	4,038.18	1/4	4,368.99	1/4	4,699.03	1/4	5,027.51	1/4		1/4		1/4		1/4	
1/2	3,383.46	1/2	3,714.27	1/2	4,045.07	1/2	4,375.88	1/2	4,705.88	1/2	5,034.31	1/2		1/2		1/2		1/2	
3/4	3,390.35	3/4	3,721.16	3/4	4,051.96	3/4	4,382.77	3/4	4,712.73	3/4	5,041.10	3/4		3/4		3/4		3/4	
6	3,397.24	6	3,728.05	6	4,058.86	6	4,389.66	6	4,719.59	6	5,047.90	6		6		6		6	
1/4	3,404.14	1/4	3,734.94	1/4	4,065.75	1/4	4,396.55	1/4	4,726.44	1/4	5,054.70	1/4		1/4		1/4		1/4	
1/2	3,411.03	1/2	3,741.83	1/2	4,072.64	1/2	4,403.45	1/2	4,733.29	1/2	5,061.50	1/2		1/2		1/2		1/2	
3/4	3,417.92	3/4	3,748.73	3/4	4,079.53	3/4	4,410.34	3/4	4,740.14	3/4	5,068.30	3/4		3/4		3/4		3/4	
7	3,424.81	7	3,755.62	7	4,086.42	7	4,417.23	7	4,747.00	7	5,075.10	7		7		7		7	
1/4	3,431.70	1/4	3,762.51	1/4	4,093.32	1/4	4,424.12	1/4	4,753.85	1/4	5,081.38	1/4		1/4		1/4		1/4	
1/2	3,438.59	1/2	3,769.40	1/2	4,100.21	1/2	4,431.01	1/2	4,760.70	1/2	5,087.67	1/2		1/2		1/2		1/2	
3/4	3,445.49	3/4	3,776.29	3/4	4,107.10	3/4	4,437.91	3/4	4,767.55	3/4	5,093.95	3/4		3/4		3/4		3/4	
8	3,452.38	8	3,783.18	8	4,113.99	8	4,444.80	8	4,774.41	8	5,100.23	8		8		8		8	
1/4	3,459.27	1/4	3,790.08	1/4	4,120.88	1/4	4,451.69	1/4	4,781.26	1/4	5,105.34	1/4		1/4		1/4		1/4	
1/2	3,466.16	1/2	3,796.97	1/2	4,127.77	1/2	4,458.58	1/2	4,788.11	1/2	5,110.44	1/2		1/2		1/2		1/2	
3/4	3,473.05	3/4	3,803.86	3/4	4,134.67	3/4	4,465.47	3/4	4,794.96	3/4		3/4		3/4		3/4		3/4	
9	3,479.95	9	3,810.75	9	4,141.56	9	4,472.36	9	4,801.82	9		9		9		9		9	
1/4	3,486.84	1/4	3,817.64	1/4	4,148.45	1/4	4,479.26	1/4	4,808.67	1/4		1/4		1/4		1/4		1/4	
1/2	3,493.73	1/2	3,824.54	1/2	4,155.34	1/2	4,486.15	1/2	4,815.52	1/2		1/2		1/2		1/2		1/2	
3/4	3,500.62	3/4	3,831.43	3/4	4,162.23	3/4	4,493.04	3/4	4,822.37	3/4		3/4		3/4		3/4		3/4	
10	3,507.51	10	3,838.32	10	4,169.13	10	4,499.93	10	4,829.23	10		10		10		10		10	
1/4	3,514.40	1/4	3,845.21	1/4	4,176.02	1/4	4,506.82	1/4	4,836.08	1/4		1/4		1/4		1/4		1/4	
1/2	3,521.30	1/2	3,852.10	1/2	4,182.91	1/2	4,513.72	1/2	4,842.93	1/2		1/2		1/2		1/2		1/2	
3/4	3,528.19	3/4	3,858.99	3/4	4,189.80	3/4	4,520.61	3/4	4,849.78	3/4		3/4		3/4		3/4		3/4	
11	3,535.08	11	3,865.89	11	4,196.69	11	4,527.50	11	4,856.64	11		11		11		11		11	
1/4	3,541.97	1/4	3,872.78	1/4	4,203.58	1/4	4,534.39	1/4	4,863.49	1/4		1/4		1/4		1/4		1/4	
1/2	3,548.86	1/2	3,879.67	1/2	4,210.48	1/2	4,541.28	1/2	4,870.34	1/2		1/2		1/2		1/2		1/2	
3/4	3,555.76	3/4	3,886.56	3/4	4,217.37	3/4	4,548.17	3/4	4,877.19	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2013 CL - SW
CALCULATED: 03/24/2013 CL
PRINTED: 03/24/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "CTCO 251"

3 PORT

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09"

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	21.76	0	336.86	0	666.59	0	995.93	0	1,325.63	0	1,655.39	0	1,985.10	0	2,314.80	0	2,644.53	0	2,974.06
1/4	26.22	1/4	343.73	1/4	673.46	1/4	1,002.79	1/4	1,332.50	1/4	1,662.26	1/4	1,991.97	1/4	2,321.67	1/4	2,651.39	1/4	2,980.93
1/2	30.68	1/2	350.60	1/2	680.33	1/2	1,009.65	1/2	1,339.37	1/2	1,669.13	1/2	1,998.83	1/2	2,328.54	1/2	2,658.26	1/2	2,987.80
3/4	35.15	3/4	357.46	3/4	687.20	3/4	1,016.51	3/4	1,346.24	3/4	1,676.00	3/4	2,005.70	3/4	2,335.41	3/4	2,665.12	3/4	2,994.66
1	39.61	1	364.33	1	694.07	1	1,023.37	1	1,353.11	1	1,682.87	1	2,012.56	1	2,342.28	1	2,671.99	1	3,001.53
1/4	45.45	1/4	371.20	1/4	700.94	1/4	1,030.23	1/4	1,359.98	1/4	1,689.74	1/4	2,019.43	1/4	2,349.15	1/4	2,678.85	1/4	3,008.39
1/2	51.29	1/2	378.07	1/2	707.81	1/2	1,037.10	1/2	1,366.85	1/2	1,696.61	1/2	2,026.30	1/2	2,356.02	1/2	2,685.72	1/2	3,015.26
3/4	57.13	3/4	384.94	3/4	714.68	3/4	1,043.97	3/4	1,373.72	3/4	1,703.48	3/4	2,033.16	3/4	2,362.89	3/4	2,692.58	3/4	3,022.12
2	62.96	2	391.80	2	721.55	2	1,050.83	2	1,380.59	2	1,710.35	2	2,040.03	2	2,369.76	2	2,699.45	2	3,028.99
1/4	69.64	1/4	398.67	1/4	728.42	1/4	1,057.70	1/4	1,387.46	1/4	1,717.22	1/4	2,046.90	1/4	2,376.63	1/4	2,706.31	1/4	3,035.85
1/2	76.31	1/2	405.54	1/2	735.29	1/2	1,064.57	1/2	1,394.33	1/2	1,724.09	1/2	2,053.76	1/2	2,383.50	1/2	2,713.18	1/2	3,042.72
3/4	82.98	3/4	412.41	3/4	742.16	3/4	1,071.44	3/4	1,401.20	3/4	1,730.96	3/4	2,060.63	3/4	2,390.37	3/4	2,720.04	3/4	3,049.58
3	89.65	3	419.28	3	749.03	3	1,078.31	3	1,408.07	3	1,737.83	3	2,067.49	3	2,397.24	3	2,726.91	3	3,056.45
1/4	96.50	1/4	426.15	1/4	755.89	1/4	1,085.18	1/4	1,414.94	1/4	1,744.70	1/4	2,074.36	1/4	2,404.11	1/4	2,733.78	1/4	3,063.31
1/2	103.35	1/2	433.02	1/2	762.75	1/2	1,092.05	1/2	1,421.81	1/2	1,751.57	1/2	2,081.23	1/2	2,410.98	1/2	2,740.64	1/2	3,070.18
3/4	110.21	3/4	439.89	3/4	769.61	3/4	1,098.92	3/4	1,428.68	3/4	1,758.44	3/4	2,088.09	3/4	2,417.85	3/4	2,747.51	3/4	3,077.05
4	117.06	4	446.76	4	776.47	4	1,105.79	4	1,435.55	4	1,765.31	4	2,094.96	4	2,424.72	4	2,754.37	4	3,083.91
1/4	123.93	1/4	453.63	1/4	783.33	1/4	1,112.66	1/4	1,442.42	1/4	1,772.18	1/4	2,101.83	1/4	2,431.59	1/4	2,761.24	1/4	3,090.78
1/2	130.79	1/2	460.50	1/2	790.19	1/2	1,119.53	1/2	1,449.29	1/2	1,779.05	1/2	2,108.70	1/2	2,438.46	1/2	2,768.10	1/2	3,097.64
3/4	137.66	3/4	467.37	3/4	797.05	3/4	1,126.40	3/4	1,456.16	3/4	1,785.92	3/4	2,115.57	3/4	2,445.33	3/4	2,774.97	3/4	3,104.51
5	144.52	5	474.24	5	803.91	5	1,133.27	5	1,463.03	5	1,792.79	5	2,122.44	5	2,452.20	5	2,781.83	5	3,111.37
1/4	151.39	1/4	481.11	1/4	810.76	1/4	1,140.14	1/4	1,469.90	1/4	1,799.66	1/4	2,129.31	1/4	2,459.07	1/4	2,788.70	1/4	3,118.24
1/2	158.26	1/2	487.98	1/2	817.62	1/2	1,147.01	1/2	1,476.77	1/2	1,806.53	1/2	2,136.18	1/2	2,465.94	1/2	2,795.56	1/2	3,125.10
3/4	165.13	3/4	494.85	3/4	824.48	3/4	1,153.88	3/4	1,483.64	3/4	1,813.40	3/4	2,143.05	3/4	2,472.81	3/4	2,802.43	3/4	3,131.97
6	172.00	6	501.72	6	831.34	6	1,160.75	6	1,490.51	6	1,820.27	6	2,149.92	6	2,479.68	6	2,809.29	6	3,138.83
1/4	178.87	1/4	508.59	1/4	838.20	1/4	1,167.62	1/4	1,497.38	1/4	1,827.14	1/4	2,156.79	1/4	2,486.55	1/4	2,816.16	1/4	3,145.70
1/2	185.74	1/2	515.46	1/2	845.06	1/2	1,174.49	1/2	1,504.25	1/2	1,834.01	1/2	2,163.66	1/2	2,493.42	1/2	2,823.03	1/2	3,152.56
3/4	192.61	3/4	522.33	3/4	851.91	3/4	1,181.36	3/4	1,511.12	3/4	1,840.88	3/4	2,170.53	3/4	2,500.29	3/4	2,829.89	3/4	3,159.43
7	199.48	7	529.20	7	858.77	7	1,188.23	7	1,517.99	7	1,847.75	7	2,177.40	7	2,507.16	7	2,836.76	7	3,166.30
1/4	206.35	1/4	536.07	1/4	865.63	1/4	1,195.10	1/4	1,524.86	1/4	1,854.62	1/4	2,184.27	1/4	2,514.03	1/4	2,843.62	1/4	3,173.16
1/2	213.22	1/2	542.94	1/2	872.49	1/2	1,201.97	1/2	1,531.73	1/2	1,861.49	1/2	2,191.14	1/2	2,520.90	1/2	2,850.49	1/2	3,180.03
3/4	220.09	3/4	549.81	3/4	879.35	3/4	1,208.84	3/4	1,538.60	3/4	1,868.36	3/4	2,198.01	3/4	2,527.77	3/4	2,857.35	3/4	3,186.89
8	226.96	8	556.68	8	886.20	8	1,215.71	8	1,545.47	8	1,875.23	8	2,204.88	8	2,534.64	8	2,864.22	8	3,193.76
1/4	233.83	1/4	563.55	1/4	893.06	1/4	1,222.58	1/4	1,552.34	1/4	1,882.10	1/4	2,211.75	1/4	2,541.51	1/4	2,871.08	1/4	3,200.62
1/2	240.70	1/2	570.42	1/2	899.92	1/2	1,229.45	1/2	1,559.21	1/2	1,888.97	1/2	2,218.62	1/2	2,548.38	1/2	2,877.95	1/2	3,207.49
3/4	247.57	3/4	577.29	3/4	906.78	3/4	1,236.32	3/4	1,566.08	3/4	1,895.84	3/4	2,225.49	3/4	2,555.25	3/4	2,884.81	3/4	3,214.35
9	254.44	9	584.16	9	913.64	9	1,243.19	9	1,572.95	9	1,902.70	9	2,232.36	9	2,562.12	9	2,891.68	9	3,221.22
1/4	261.31	1/4	591.03	1/4	920.49	1/4	1,250.06	1/4	1,579.82	1/4	1,909.57	1/4	2,239.23	1/4	2,568.99	1/4	2,898.55	1/4	3,228.08
1/2	268.18	1/2	597.90	1/2	927.35	1/2	1,256.93	1/2	1,586.69	1/2	1,916.44	1/2	2,246.10	1/2	2,575.86	1/2	2,905.41	1/2	3,234.95
3/4	275.05	3/4	604.77	3/4	934.21	3/4	1,263.80	3/4	1,593.56	3/4	1,923.30	3/4	2,252.97	3/4	2,582.73	3/4	2,912.28	3/4	3,241.82
10	281.92	10	611.64	10	941.07	10	1,270.67	10	1,600.43	10	1,930.17	10	2,259.84	10	2,589.60	10	2,919.14	10	3,248.68
1/4	288.79	1/4	618.51	1/4	947.93	1/4	1,277.54	1/4	1,607.30	1/4	1,937.03	1/4	2,266.71	1/4	2,596.47	1/4	2,926.01	1/4	3,255.55
1/2	295.66	1/2	625.37	1/2	954.78	1/2	1,284.41	1/2	1,614.17	1/2	1,943.90	1/2	2,273.58	1/2	2,603.33	1/2	2,932.87	1/2	3,262.41
3/4	302.53	3/4	632.24	3/4	961.64	3/4	1,291.28	3/4	1,621.04	3/4	1,950.77	3/4	2,280.45	3/4	2,610.20	3/4	2,939.74	3/4	3,269.28
11	309.40	11	639.11	11	968.50	11	1,298.15	11	1,627.91	11	1,957.63	11	2,287.32	11	2,617.06	11	2,946.60	11	3,276.14
1/4	316.26	1/4	645.98	1/4	975.36	1/4	1,305.02	1/4	1,634.78	1/4	1,964.50	1/4	2,294.19	1/4	2,623.93	1/4	2,953.47	1/4	3,283.01
1/2	323.13	1/2	652.85	1/2	982.22	1/2	1,311.89	1/2	1,641.65	1/2	1,971.37	1/2	2,301.06	1/2	2,630.79	1/2	2,960.33	1/2	3,289.87
3/4	330.00	3/4	659.72	3/4	989.08	3/4	1,318.76	3/4	1,648.52	3/4	1,978.23	3/4	2,307.93	3/4	2,637.66	3/4	2,967.20	3/4	3,296.74

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 OF 2" HERMETIC CLOSED GAUGING VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 41'-03" FORWARD OF AFT BULKHEAD.

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

BARGE "CTCO 251"

3 PORT

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09"

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	3,303.60	0	3,618.26	0	3,845.81	0	4,073.06	0	4,292.65	0	4,499.45	0		0		0		0	
1/4	3,310.47	1/4	3,623.01	1/4	3,850.55	1/4	4,077.74	1/4	4,297.07	1/4	4,503.64	1/4		1/4		1/4		1/4	
1/2	3,317.33	1/2	3,627.75	1/2	3,855.29	1/2	4,082.42	1/2	4,301.49	1/2	4,507.82	1/2		1/2		1/2		1/2	
3/4	3,324.20	3/4	3,632.49	3/4	3,860.03	3/4	4,087.10	3/4	4,305.91	3/4	4,512.01	3/4		3/4		3/4		3/4	
1	3,331.07	1	3,637.23	1	3,864.77	1	4,091.78	1	4,310.33	1	4,516.19	1		1		1		1	
1/4	3,337.93	1/4	3,641.97	1/4	3,869.51	1/4	4,096.44	1/4	4,314.73	1/4	4,520.36	1/4		1/4		1/4		1/4	
1/2	3,344.80	1/2	3,646.71	1/2	3,874.25	1/2	4,101.10	1/2	4,319.12	1/2	4,524.52	1/2		1/2		1/2		1/2	
3/4	3,351.66	3/4	3,651.45	3/4	3,878.99	3/4	4,105.76	3/4	4,323.51	3/4	4,528.69	3/4		3/4		3/4		3/4	
2	3,358.53	2	3,656.19	2	3,883.73	2	4,110.42	2	4,327.91	2	4,532.85	2		2		2		2	
1/4	3,365.39	1/4	3,660.93	1/4	3,888.47	1/4	4,115.06	1/4	4,332.28	1/4	4,537.00	1/4		1/4		1/4		1/4	
1/2	3,372.26	1/2	3,665.67	1/2	3,893.21	1/2	4,119.70	1/2	4,336.65	1/2	4,541.15	1/2		1/2		1/2		1/2	
3/4	3,379.12	3/4	3,670.41	3/4	3,897.95	3/4	4,124.34	3/4	4,341.03	3/4	4,545.29	3/4		3/4		3/4		3/4	
3	3,385.99	3	3,675.15	3	3,902.69	3	4,128.98	3	4,345.40	3	4,549.44	3		3		3		3	
1/4	3,392.85	1/4	3,679.89	1/4	3,907.44	1/4	4,133.61	1/4	4,349.76	1/4	4,553.53	1/4		1/4		1/4		1/4	
1/2	3,399.72	1/2	3,684.63	1/2	3,912.18	1/2	4,138.23	1/2	4,354.11	1/2	4,557.61	1/2		1/2		1/2		1/2	
3/4	3,406.58	3/4	3,689.37	3/4	3,916.92	3/4	4,142.85	3/4	4,358.47	3/4	4,561.70	3/4		3/4		3/4		3/4	
4	3,413.45	4	3,694.11	4	3,921.66	4	4,147.47	4	4,362.82	4	4,565.78	4		4		4		4	
1/4	3,420.32	1/4	3,698.85	1/4	3,926.40	1/4	4,152.08	1/4	4,367.16	1/4	4,569.84	1/4		1/4		1/4		1/4	
1/2	3,427.18	1/2	3,703.59	1/2	3,931.14	1/2	4,156.68	1/2	4,371.49	1/2	4,573.89	1/2		1/2		1/2		1/2	
3/4	3,434.05	3/4	3,708.33	3/4	3,935.88	3/4	4,161.28	3/4	4,375.83	3/4	4,577.94	3/4		3/4		3/4		3/4	
5	3,440.91	5	3,713.07	5	3,940.62	5	4,165.88	5	4,380.17	5	4,582.00	5		5		5		5	
1/4	3,447.78	1/4	3,717.82	1/4	3,945.36	1/4	4,170.47	1/4	4,384.48	1/4	4,586.03	1/4		1/4		1/4		1/4	
1/2	3,454.64	1/2	3,722.56	1/2	3,950.10	1/2	4,175.05	1/2	4,388.80	1/2	4,590.07	1/2		1/2		1/2		1/2	
3/4	3,461.51	3/4	3,727.30	3/4	3,954.84	3/4	4,179.64	3/4	4,393.12	3/4	4,594.10	3/4		3/4		3/4		3/4	
6	3,468.37	6	3,732.04	6	3,959.58	6	4,184.22	6	4,397.43	6	4,598.14	6		6		6		6	
1/4	3,475.24	1/4	3,736.78	1/4	3,964.32	1/4	4,188.79	1/4	4,401.73	1/4	4,602.15	1/4		1/4		1/4		1/4	
1/2	3,482.10	1/2	3,741.52	1/2	3,969.06	1/2	4,193.35	1/2	4,406.03	1/2	4,606.17	1/2		1/2		1/2		1/2	
3/4	3,488.97	3/4	3,746.26	3/4	3,973.80	3/4	4,197.92	3/4	4,410.33	3/4	4,610.19	3/4		3/4		3/4		3/4	
7	3,495.83	7	3,751.00	7	3,978.54	7	4,202.48	7	4,414.63	7	4,614.21	7		7		7		7	
1/4	3,502.70	1/4	3,755.74	1/4	3,983.28	1/4	4,207.03	1/4	4,418.91	1/4	4,617.69	1/4		1/4		1/4		1/4	
1/2	3,509.57	1/2	3,760.48	1/2	3,988.02	1/2	4,211.57	1/2	4,423.19	1/2	4,621.17	1/2		1/2		1/2		1/2	
3/4	3,516.43	3/4	3,765.22	3/4	3,992.76	3/4	4,216.12	3/4	4,427.47	3/4	4,624.65	3/4		3/4		3/4		3/4	
8	3,523.30	8	3,769.96	8	3,997.50	8	4,220.67	8	4,431.74	8	4,628.13	8		8		8		8	
1/4	3,530.16	1/4	3,774.70	1/4	4,002.25	1/4	4,225.19	1/4	4,436.00	1/4	4,630.93	1/4		1/4		1/4		1/4	
1/2	3,537.03	1/2	3,779.44	1/2	4,006.99	1/2	4,229.72	1/2	4,440.27	1/2	4,633.72	1/2		1/2		1/2		1/2	
3/4	3,543.89	3/4	3,784.18	3/4	4,011.73	3/4	4,234.25	3/4	4,444.53	3/4		3/4		3/4		3/4		3/4	
9	3,550.76	9	3,788.92	9	4,016.47	9	4,238.77	9	4,448.79	9		9		9		9		9	
1/4	3,557.62	1/4	3,793.66	1/4	4,021.20	1/4	4,243.28	1/4	4,453.03	1/4		1/4		1/4		1/4		1/4	
1/2	3,564.49	1/2	3,798.40	1/2	4,025.94	1/2	4,247.79	1/2	4,457.27	1/2		1/2		1/2		1/2		1/2	
3/4	3,571.35	3/4	3,803.14	3/4	4,030.67	3/4	4,252.30	3/4	4,461.51	3/4		3/4		3/4		3/4		3/4	
10	3,578.22	10	3,807.88	10	4,035.41	10	4,256.81	10	4,465.75	10		10		10		10		10	
1/4	3,583.49	1/4	3,812.63	1/4	4,040.12	1/4	4,261.30	1/4	4,469.97	1/4		1/4		1/4		1/4		1/4	
1/2	3,588.76	1/2	3,817.37	1/2	4,044.84	1/2	4,265.79	1/2	4,474.20	1/2		1/2		1/2		1/2		1/2	
3/4	3,594.03	3/4	3,822.11	3/4	4,049.56	3/4	4,270.28	3/4	4,478.42	3/4		3/4		3/4		3/4		3/4	
11	3,599.30	11	3,826.85	11	4,054.27	11	4,274.76	11	4,482.64	11		11		11		11		11	
1/4	3,604.04	1/4	3,831.59	1/4	4,058.97	1/4	4,279.24	1/4	4,486.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,608.78	1/2	3,836.33	1/2	4,063.67	1/2	4,283.71	1/2	4,491.05	1/2		1/2		1/2		1/2		1/2	
3/4	3,613.52	3/4	3,841.07	3/4	4,068.37	3/4	4,288.18	3/4	4,495.25	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2013 CL - SW
CALCULATED: 03/24/2013 CL
PRINTED: 03/24/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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

BARGE "CTCO 251"

3 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 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	21.76	0	336.80	0	666.08	0	981.50	0	1,306.67	0	1,635.37	0	1,964.07	0	2,292.93	0	2,621.83	0	2,950.54
1/4	26.23	1/4	343.67	1/4	672.93	1/4	988.00	1/4	1,313.52	1/4	1,642.22	1/4	1,970.92	1/4	2,299.79	1/4	2,628.68	1/4	2,957.36
1/2	30.69	1/2	350.53	1/2	679.79	1/2	994.50	1/2	1,320.37	1/2	1,649.07	1/2	1,977.76	1/2	2,306.64	1/2	2,635.53	1/2	2,964.18
3/4	35.15	3/4	357.40	3/4	686.65	3/4	1,001.00	3/4	1,327.21	3/4	1,655.91	3/4	1,984.61	3/4	2,313.49	3/4	2,642.38	3/4	2,971.00
1	39.62	1	364.26	1	693.50	1	1,007.50	1	1,334.06	1	1,662.76	1	1,991.46	1	2,320.35	1	2,649.23	1	2,977.82
1/4	45.45	1/4	371.13	1/4	700.33	1/4	1,014.00	1/4	1,340.91	1/4	1,669.61	1/4	1,998.31	1/4	2,327.20	1/4	2,656.07	1/4	2,984.64
1/2	51.29	1/2	378.00	1/2	707.15	1/2	1,020.50	1/2	1,347.76	1/2	1,676.46	1/2	2,005.16	1/2	2,334.05	1/2	2,662.92	1/2	2,991.45
3/4	57.13	3/4	384.86	3/4	713.97	3/4	1,027.00	3/4	1,354.61	3/4	1,683.30	3/4	2,012.00	3/4	2,340.90	3/4	2,669.77	3/4	2,998.26
2	62.96	2	391.73	2	720.79	2	1,033.50	2	1,361.45	2	1,690.15	2	2,018.85	2	2,347.76	2	2,676.62	2	3,005.07
1/4	69.63	1/4	398.60	1/4	727.38	1/4	1,040.21	1/4	1,368.30	1/4	1,697.00	1/4	2,025.70	1/4	2,354.61	1/4	2,683.47	1/4	3,011.88
1/2	76.30	1/2	405.47	1/2	733.96	1/2	1,046.93	1/2	1,375.15	1/2	1,703.85	1/2	2,032.55	1/2	2,361.46	1/2	2,690.31	1/2	3,018.70
3/4	82.97	3/4	412.34	3/4	740.55	3/4	1,053.65	3/4	1,382.00	3/4	1,710.70	3/4	2,039.40	3/4	2,368.31	3/4	2,697.16	3/4	3,025.51
3	89.64	3	419.20	3	747.14	3	1,060.37	3	1,388.85	3	1,717.54	3	2,046.24	3	2,375.17	3	2,704.01	3	3,032.32
1/4	96.49	1/4	426.07	1/4	753.65	1/4	1,067.19	1/4	1,395.69	1/4	1,724.39	1/4	2,053.09	1/4	2,382.02	1/4	2,710.86	1/4	3,039.13
1/2	103.34	1/2	432.93	1/2	760.17	1/2	1,074.01	1/2	1,402.54	1/2	1,731.24	1/2	2,059.95	1/2	2,388.87	1/2	2,717.71	1/2	3,045.94
3/4	110.20	3/4	439.80	3/4	766.68	3/4	1,080.84	3/4	1,409.39	3/4	1,738.09	3/4	2,066.80	3/4	2,395.73	3/4	2,724.55	3/4	3,052.76
4	117.05	4	446.66	4	773.19	4	1,087.66	4	1,416.24	4	1,744.94	4	2,073.65	4	2,402.58	4	2,731.40	4	3,059.57
1/4	123.91	1/4	453.52	1/4	779.70	1/4	1,094.49	1/4	1,423.08	1/4	1,751.78	1/4	2,080.50	1/4	2,409.43	1/4	2,738.25	1/4	3,066.38
1/2	130.78	1/2	460.38	1/2	786.22	1/2	1,101.33	1/2	1,429.93	1/2	1,758.63	1/2	2,087.35	1/2	2,416.28	1/2	2,745.10	1/2	3,073.19
3/4	137.64	3/4	467.23	3/4	792.73	3/4	1,108.16	3/4	1,436.78	3/4	1,765.48	3/4	2,094.21	3/4	2,423.14	3/4	2,751.95	3/4	3,080.00
5	144.51	5	474.09	5	799.24	5	1,115.00	5	1,443.63	5	1,772.33	5	2,101.06	5	2,429.99	5	2,758.79	5	3,086.81
1/4	151.37	1/4	480.95	1/4	805.76	1/4	1,121.83	1/4	1,450.48	1/4	1,779.18	1/4	2,107.91	1/4	2,436.84	1/4	2,765.64	1/4	3,093.63
1/2	158.24	1/2	487.81	1/2	812.27	1/2	1,128.67	1/2	1,457.32	1/2	1,786.02	1/2	2,114.76	1/2	2,443.69	1/2	2,772.49	1/2	3,100.44
3/4	165.11	3/4	494.66	3/4	818.78	3/4	1,135.50	3/4	1,464.17	3/4	1,792.87	3/4	2,121.62	3/4	2,450.55	3/4	2,779.34	3/4	3,107.25
6	171.98	6	501.52	6	825.30	6	1,142.34	6	1,471.02	6	1,799.72	6	2,128.47	6	2,457.40	6	2,786.19	6	3,114.06
1/4	178.85	1/4	508.38	1/4	831.81	1/4	1,149.18	1/4	1,477.87	1/4	1,806.57	1/4	2,135.32	1/4	2,464.25	1/4	2,793.04	1/4	3,120.90
1/2	185.71	1/2	515.23	1/2	838.32	1/2	1,156.02	1/2	1,484.72	1/2	1,813.41	1/2	2,142.18	1/2	2,471.10	1/2	2,799.88	1/2	3,127.74
3/4	192.58	3/4	522.09	3/4	844.83	3/4	1,162.87	3/4	1,491.56	3/4	1,820.26	3/4	2,149.03	3/4	2,477.96	3/4	2,806.73	3/4	3,134.58
7	199.45	7	528.95	7	851.35	7	1,169.71	7	1,498.41	7	1,827.11	7	2,155.88	7	2,484.81	7	2,813.58	7	3,141.42
1/4	206.32	1/4	535.80	1/4	857.86	1/4	1,176.56	1/4	1,505.26	1/4	1,833.96	1/4	2,162.73	1/4	2,491.66	1/4	2,820.43	1/4	3,148.27
1/2	213.19	1/2	542.66	1/2	864.37	1/2	1,183.41	1/2	1,512.11	1/2	1,840.81	1/2	2,169.59	1/2	2,498.52	1/2	2,827.28	1/2	3,155.11
3/4	220.06	3/4	549.51	3/4	870.89	3/4	1,190.26	3/4	1,518.96	3/4	1,847.65	3/4	2,176.44	3/4	2,505.37	3/4	2,834.12	3/4	3,161.96
8	226.93	8	556.37	8	877.40	8	1,197.10	8	1,525.80	8	1,854.50	8	2,183.29	8	2,512.22	8	2,840.97	8	3,168.81
1/4	233.79	1/4	563.23	1/4	883.91	1/4	1,203.95	1/4	1,532.65	1/4	1,861.35	1/4	2,190.14	1/4	2,519.07	1/4	2,847.82	1/4	3,175.66
1/2	240.66	1/2	570.08	1/2	890.43	1/2	1,210.80	1/2	1,539.50	1/2	1,868.20	1/2	2,197.00	1/2	2,525.93	1/2	2,854.67	1/2	3,182.51
3/4	247.53	3/4	576.94	3/4	896.94	3/4	1,217.65	3/4	1,546.35	3/4	1,875.05	3/4	2,203.85	3/4	2,532.78	3/4	2,861.52	3/4	3,189.36
9	254.40	9	583.80	9	903.45	9	1,224.50	9	1,553.19	9	1,881.89	9	2,210.70	9	2,539.63	9	2,868.36	9	3,196.20
1/4	261.27	1/4	590.65	1/4	909.96	1/4	1,231.34	1/4	1,560.04	1/4	1,888.74	1/4	2,217.55	1/4	2,546.48	1/4	2,875.21	1/4	3,203.05
1/2	268.14	1/2	597.51	1/2	916.48	1/2	1,238.19	1/2	1,566.89	1/2	1,895.59	1/2	2,224.41	1/2	2,553.34	1/2	2,882.06	1/2	3,209.90
3/4	275.00	3/4	604.37	3/4	922.99	3/4	1,245.04	3/4	1,573.74	3/4	1,902.44	3/4	2,231.26	3/4	2,560.19	3/4	2,888.91	3/4	3,216.75
10	281.87	10	611.22	10	929.50	10	1,251.89	10	1,580.59	10	1,909.29	10	2,238.11	10	2,567.04	10	2,895.76	10	3,223.60
1/4	288.74	1/4	618.08	1/4	936.01	1/4	1,258.73	1/4	1,587.43	1/4	1,916.13	1/4	2,244.97	1/4	2,573.89	1/4	2,902.61	1/4	3,230.44
1/2	295.61	1/2	624.94	1/2	942.51	1/2	1,265.58	1/2	1,594.28	1/2	1,922.98	1/2	2,251.82	1/2	2,580.74	1/2	2,909.45	1/2	3,237.29
3/4	302.48	3/4	631.79	3/4	949.01	3/4	1,272.43	3/4	1,601.13	3/4	1,929.83	3/4	2,258.67	3/4	2,587.59	3/4	2,916.30	3/4	3,244.14
11	309.34	11	638.65	11	955.51	11	1,279.28	11	1,607.98	11	1,936.68	11	2,265.52	11	2,594.44	11	2,923.15	11	3,250.99
1/4	316.21	1/4	645.51	1/4	962.01	1/4	1,286.13	1/4	1,614.83	1/4	1,943.52	1/4	2,272.38	1/4	2,601.29	1/4	2,930.00	1/4	3,257.84
1/2	323.07	1/2	652.36	1/2	968.51	1/2	1,292.97	1/2	1,621.67	1/2	1,950.37	1/2	2,279.23	1/2	2,608.14	1/2	2,936.85	1/2	3,264.68
3/4	329.94	3/4	659.22	3/4	975.00	3/4	1,299.82	3/4	1,628.52	3/4	1,957.22	3/4	2,286.08	3/4	2,614.98	3/4	2,943.69	3/4	3,271.53

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 41'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "CTCO 251"

3 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 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	3,278.38	0	3,592.51	0	3,820.01	0	4,047.20	0	4,266.73	0	4,473.49	0		0		0		0	
1/4	3,285.23	1/4	3,597.25	1/4	3,824.74	1/4	4,051.88	1/4	4,271.15	1/4	4,477.67	1/4		1/4		1/4		1/4	
1/2	3,292.08	1/2	3,601.99	1/2	3,829.48	1/2	4,056.56	1/2	4,275.57	1/2	4,481.86	1/2		1/2		1/2		1/2	
3/4	3,298.92	3/4	3,606.73	3/4	3,834.22	3/4	4,061.24	3/4	4,279.99	3/4	4,486.04	3/4		3/4		3/4		3/4	
1	3,305.77	1	3,611.47	1	3,838.96	1	4,065.91	1	4,284.41	1	4,490.22	1		1		1		1	
1/4	3,312.62	1/4	3,616.21	1/4	3,843.70	1/4	4,070.57	1/4	4,288.81	1/4	4,494.39	1/4		1/4		1/4		1/4	
1/2	3,319.47	1/2	3,620.95	1/2	3,848.44	1/2	4,075.23	1/2	4,293.20	1/2	4,498.55	1/2		1/2		1/2		1/2	
3/4	3,326.32	3/4	3,625.69	3/4	3,853.18	3/4	4,079.89	3/4	4,297.59	3/4	4,502.72	3/4		3/4		3/4		3/4	
2	3,333.17	2	3,630.43	2	3,857.92	2	4,084.55	2	4,301.98	2	4,506.88	2		2		2		2	
1/4	3,340.01	1/4	3,635.17	1/4	3,862.66	1/4	4,089.19	1/4	4,306.35	1/4	4,511.02	1/4		1/4		1/4		1/4	
1/2	3,346.86	1/2	3,639.91	1/2	3,867.40	1/2	4,093.83	1/2	4,310.73	1/2	4,515.17	1/2		1/2		1/2		1/2	
3/4	3,353.71	3/4	3,644.65	3/4	3,872.14	3/4	4,098.47	3/4	4,315.10	3/4	4,519.32	3/4		3/4		3/4		3/4	
3	3,360.56	3	3,649.39	3	3,876.88	3	4,103.11	3	4,319.47	3	4,523.46	3		3		3		3	
1/4	3,367.41	1/4	3,654.13	1/4	3,881.62	1/4	4,107.73	1/4	4,323.83	1/4	4,527.55	1/4		1/4		1/4		1/4	
1/2	3,374.25	1/2	3,658.87	1/2	3,886.36	1/2	4,112.35	1/2	4,328.18	1/2	4,531.63	1/2		1/2		1/2		1/2	
3/4	3,381.10	3/4	3,663.60	3/4	3,891.10	3/4	4,116.97	3/4	4,332.54	3/4	4,535.72	3/4		3/4		3/4		3/4	
4	3,387.95	4	3,668.34	4	3,895.84	4	4,121.59	4	4,336.89	4	4,539.80	4		4		4		4	
1/4	3,394.80	1/4	3,673.08	1/4	3,900.57	1/4	4,126.19	1/4	4,341.22	1/4	4,543.85	1/4		1/4		1/4		1/4	
1/2	3,401.65	1/2	3,677.82	1/2	3,905.31	1/2	4,130.80	1/2	4,345.56	1/2	4,547.91	1/2		1/2		1/2		1/2	
3/4	3,408.49	3/4	3,682.56	3/4	3,910.05	3/4	4,135.40	3/4	4,349.90	3/4	4,551.96	3/4		3/4		3/4		3/4	
5	3,415.34	5	3,687.30	5	3,914.79	5	4,140.00	5	4,354.23	5	4,556.01	5		5		5		5	
1/4	3,422.19	1/4	3,692.04	1/4	3,919.53	1/4	4,144.58	1/4	4,358.55	1/4	4,560.04	1/4		1/4		1/4		1/4	
1/2	3,429.04	1/2	3,696.78	1/2	3,924.27	1/2	4,149.17	1/2	4,362.86	1/2	4,564.08	1/2		1/2		1/2		1/2	
3/4	3,435.89	3/4	3,701.52	3/4	3,929.01	3/4	4,153.75	3/4	4,367.18	3/4	4,568.11	3/4		3/4		3/4		3/4	
6	3,442.74	6	3,706.26	6	3,933.75	6	4,158.33	6	4,371.49	6	4,572.15	6		6		6		6	
1/4	3,449.58	1/4	3,711.00	1/4	3,938.49	1/4	4,162.90	1/4	4,375.79	1/4	4,576.16	1/4		1/4		1/4		1/4	
1/2	3,456.43	1/2	3,715.74	1/2	3,943.23	1/2	4,167.46	1/2	4,380.09	1/2	4,580.18	1/2		1/2		1/2		1/2	
3/4	3,463.28	3/4	3,720.48	3/4	3,947.97	3/4	4,172.02	3/4	4,384.39	3/4	4,584.20	3/4		3/4		3/4		3/4	
7	3,470.13	7	3,725.22	7	3,952.71	7	4,176.59	7	4,388.68	7	4,588.21	7		7		7		7	
1/4	3,476.99	1/4	3,729.96	1/4	3,957.45	1/4	4,181.13	1/4	4,392.96	1/4	4,591.69	1/4		1/4		1/4		1/4	
1/2	3,483.85	1/2	3,734.70	1/2	3,962.19	1/2	4,185.68	1/2	4,397.24	1/2	4,595.18	1/2		1/2		1/2		1/2	
3/4	3,490.71	3/4	3,739.44	3/4	3,966.93	3/4	4,190.22	3/4	4,401.52	3/4	4,598.66	3/4		3/4		3/4		3/4	
8	3,497.57	8	3,744.17	8	3,971.67	8	4,194.77	8	4,405.80	8	4,602.14	8		8		8		8	
1/4	3,504.43	1/4	3,748.91	1/4	3,976.41	1/4	4,199.29	1/4	4,410.06	1/4	4,604.93	1/4		1/4		1/4		1/4	
1/2	3,511.29	1/2	3,753.65	1/2	3,981.14	1/2	4,203.82	1/2	4,414.31	1/2	4,607.73	1/2		1/2		1/2		1/2	
3/4	3,518.16	3/4	3,758.39	3/4	3,985.88	3/4	4,208.35	3/4	4,418.57	3/4		3/4		3/4		3/4		3/4	
9	3,525.02	9	3,763.13	9	3,990.62	9	4,212.87	9	4,422.83	9		9		9		9		9	
1/4	3,531.88	1/4	3,767.87	1/4	3,995.36	1/4	4,217.38	1/4	4,427.07	1/4		1/4		1/4		1/4		1/4	
1/2	3,538.75	1/2	3,772.61	1/2	4,000.09	1/2	4,221.89	1/2	4,431.31	1/2		1/2		1/2		1/2		1/2	
3/4	3,545.61	3/4	3,777.35	3/4	4,004.82	3/4	4,226.39	3/4	4,435.55	3/4		3/4		3/4		3/4		3/4	
10	3,552.47	10	3,782.09	10	4,009.55	10	4,230.90	10	4,439.79	10		10		10		10		10	
1/4	3,557.75	1/4	3,786.83	1/4	4,014.27	1/4	4,235.39	1/4	4,444.02	1/4		1/4		1/4		1/4		1/4	
1/2	3,563.02	1/2	3,791.57	1/2	4,018.98	1/2	4,239.88	1/2	4,448.24	1/2		1/2		1/2		1/2		1/2	
3/4	3,568.29	3/4	3,796.31	3/4	4,023.70	3/4	4,244.37	3/4	4,452.46	3/4		3/4		3/4		3/4		3/4	
11	3,573.56	11	3,801.05	11	4,028.42	11	4,248.85	11	4,456.68	11		11		11		11		11	
1/4	3,578.30	1/4	3,805.79	1/4	4,033.11	1/4	4,253.32	1/4	4,460.88	1/4		1/4		1/4		1/4		1/4	
1/2	3,583.04	1/2	3,810.53	1/2	4,037.81	1/2	4,257.79	1/2	4,465.08	1/2		1/2		1/2		1/2		1/2	
3/4	3,587.77	3/4	3,815.27	3/4	4,042.51	3/4	4,262.26	3/4	4,469.29	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2013 CL - SW
CALCULATED: 03/24/2013 CL
PRINTED: 03/24/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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