BARGE "MOC 18"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 PORT	- 00-1/8	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	- 00-3/8	00-3/8
1 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	- 00-3/8	00-3/8
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	00-5/8	- 00-5/8	01-1/8	- 01-1/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-7/8	- 02-7/8	03-3/8	- 03-3/8
3 STBD	00-5/8	- 00-5/8	01-1/8	- 01-1/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-7/8	- 02-7/8	03-1/2	- 03-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 253'-09"

November 13, 2012

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

http://www.pmacorp.net

BARGE "MOC 18"

1 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 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		0	5,289.20	0	4,943.06	0	4,580.51	0	4,217.74	0	3,854.97	0	3,492.20	0	3,129.43	0	2,766.66	0	2,403.81
1/4		1/4	5,284.55	1/4	4,935.53	1/4	4,572.95	1/4	4,210.18	1/4	3,847.41	1/4	3,484.64	1/4	3,121.87	1/4	2,759.10	1/4	2,396.25
1/2		1/2	5,279.90	1/2	4,928.00	1/2	4,565.39	1/2	4,202.62	1/2	3,839.86	1/2	3,477.09	1/2	3,114.32	1/2	2,751.55	1/2	2,388.69
3/4		3/4	5,274.00	3/4	4,920.47	3/4	4,557.84	3/4	4,195.07	3/4	3,832.30	3/4	3,469.53	3/4	3,106.76	3/4	2,743.99	3/4	2,381.13
1		1	5,268.09	1	4,912.94	1	4,550.28	1	4,187.51	1	3,824.74	1	3,461.97	1	3,099.20	1	2,736.43	1	2,373.57
1/4		1/4	5,262.18	1/4	4,905.41	1/4	4,542.72	1/4	4,179.95	1/4	3,817.18	1/4	3,454.41	1/4	3,091.64	1/4	2,728.87	1/4	2,366.01
1/2		1/2	5,256.27	1/2	4,897.88	1/2	4,535.16	1/2	4,172.39	1/2	3,809.62	1/2	3,446.85	1/2	3,084.09	1/2	2,721.32	1/2	2,358.45
3/4		3/4	5,249.24	3/4	4,890.34	3/4	4,527.61	3/4	4,164.84	3/4	3,802.07	3/4	3,439.30	3/4	3,076.53	3/4	2,713.76	3/4	2,350.89
2		2	5,242.21	2	4,882.81	2	4,520.05	2	4,157.28	2	3,794.51	2	3,431.74	2	3,068.97	2	2,706.20	2	2,343.33
1/4		1/4	5,235.18	1/4	4,875.28	1/4	4,512.49	1/4	4,149.72	1/4	3,786.95	1/4	3,424.18	1/4	3,061.41	1/4	2,698.64	1/4	2,335.77
1/2		1/2	5,228.14	1/2	4,867.75	1/2	4,504.93	1/2	4,142.16	1/2	3,779.39	1/2	3,416.62	1/2	3,053.85	1/2	2,691.08	1/2	2,328.21
3/4		3/4	5,220.72	3/4	4,860.20	3/4	4,497.38	3/4	4,134.61	3/4	3,771.84	3/4	3,409.07	3/4	3,046.30	3/4	2,683.53	3/4	2,320.65
3		3	5,213.30	3	4,852.64	3	4,489.82	3	4,127.05	3	3,764.28	3	3,401.51	3	3,038.74	3	2,675.97	3	2,313.09
1/4		1/4	5,205.87	1/4	4,845.09	1/4	4,482.26	1/4	4,119.49	1/4	3,756.72	1/4	3,393.95	1/4	3,031.18	1/4	2,668.41	1/4	2,305.52
1/2		1/2	5,198.45	1/2	4,837.54	1/2	4,474.70	1/2	4,111.93	1/2	3,749.16	1/2	3,386.39	1/2	3,023.62	1/2	2,660.85	1/2	2,297.96
3/4		3/4	5,190.98	3/4	4,829.98	3/4	4,467.14	3/4	4,104.37	3/4	3,741.61	3/4	3,378.84	3/4	3,016.07	3/4	2,653.30	3/4	2,290.40
4		4	5,183.50	4	4,822.42	4	4,459.59	4	4,096.82	4	3,734.05	4	3,371.28	4	3,008.51	4	2,645.74	4	2,282.84
1/4		1/4	5,176.03	1/4	4,814.86	1/4	4,452.03	1/4	4,089.26	1/4	3,726.49	1/4	3,363.72	1/4	3,000.95	1/4	2,638.18	1/4	2,275.28
1/2		1/2	5,168.55	1/2	4,807.30	1/2	4,444.47	1/2	4,081.70	1/2	3,718.93	1/2	3,356.16	1/2	2,993.39	1/2	2,630.62	1/2	2,267.72
3/4		3/4	5,161.07	3/4	4,799.73	3/4	4,436.91	3/4	4,074.14	3/4	3,711.37	3/4	3,348.60	3/4	2,985.84	3/4	2,623.06	3/4	2,260.16
5		5	5,153.59	5	4,792.17	5	4,429.36	5	4,066.59	5	3,703.82	5	3,341.05	5	2,978.28	5	2,615.50	5	2,252.60
1/4		1/4	5,146.11	1/4	4,784.61	1/4	4,421.80	1/4	4,059.03	1/4	3,696.26	1/4	3,333.49	1/4	2,970.72	1/4	2,607.94	1/4	2,245.04
1/2		1/2	5,138.63	1/2	4,777.05	1/2	4,414.24	1/2	4,051.47	1/2	3,688.70	1/2	3,325.93	1/2	2,963.16	1/2	2,600.38	1/2	2,237.48
3/4		3/4	5,131.15	3/4	4,769.49	3/4	4,406.68	3/4	4,043.91	3/4	3,681.14	3/4	3,318.37	3/4	2,955.60	3/4	2,592.82	3/4	2,229.92
6		6	5,123.67	6	4,761.93	6	4,399.13	6	4,036.36	6	3,673.59	6	3,310.82	6	2,948.05	6	2,585.26	6	2,222.36
1/4		1/4	5,116.19	1/4	4,754.37	1/4	4,391.57	1/4	4,028.80	1/4	3,666.03	1/4	3,303.26	1/4	2,940.49	1/4	2,577.70	1/4	2,214.80
1/2		1/2	5,108.71	1/2	4,746.81	1/2	4,384.01	1/2	4,021.24	1/2	3,658.47	1/2	3,295.70	1/2	2,932.93	1/2	2,570.14	1/2	2,207.24
3/4		3/4	5,101.19	3/4	4,739.25	3/4	4,376.45	3/4	4,013.68	3/4	3,650.91	3/4	3,288.14	3/4	2,925.37	3/4	2,562.58	3/4	2,199.68
7		7	5,093.67	7	4,731.69	7	4,368.89	7	4,006.12	7	3,643.36	7	3,280.59	7	2,917.82	7	2,555.02	7	2,192.12
1/4		1/4	5,086.15	1/4	4,724.13	1/4	4,361.34	1/4	3,998.57	1/4	3,635.80	1/4	3,273.03	1/4	2,910.26	1/4	2,547.46	1/4	2,184.56
1/2		1/2	5,078.63	1/2	4,716.57	1/2	4,353.78	1/2	3,991.01	1/2	3,628.24	1/2	3,265.47	1/2	2,902.70	1/2	2,539.90	1/2	2,177.00
3/4		3/4	5,071.10	3/4	4,709.01	3/4	4,346.22	3/4	3,983.45	3/4	3,620.68	3/4	3,257.91	3/4	2,895.14	3/4	2,532.34	3/4	2,169.44
8		8	5,063.57	8	4,701.45	8	4,338.66	8	3,975.89	8	3,613.12	8	3,250.35	8	2,887.59	8	2,524.78	8	2,161.88
1/4		1/4	5,056.04	1/4	4,693.89	1/4	4,331.11	1/4	3,968.34	1/4	3,605.57	1/4	3,242.80	1/4	2,880.03	1/4	2,517.22	1/4	2,154.31
1/2		1/2	5,048.50	1/2	4,686.33	1/2	4,323.55	1/2	3,960.78	1/2	3,598.01	1/2	3,235.24	1/2	2,872.47	1/2	2,509.66	1/2	2,146.75
3/4		3/4	5,040.97	3/4	4,678.77	3/4	4,315.99	3/4	3,953.22	3/4	3,590.45	3/4	3,227.68	3/4	2,864.91	3/4	2,502.10	3/4	2,139.19
9		9	5,033.44	9	4,671.21	9	4,308.43	9	3,945.66	9	3,582.89	9	3,220.12	9	2,857.35	9	2,494.54	9	2,131.63
1/4		1/4	5,025.91	1/4	4,663.65	1/4	4,300.87	1/4	3,938.11	1/4	3,575.34	1/4	3,212.57	1/4	2,849.80	1/4	2,486.98	1/4	2,124.07
1/2		1/2	5,018.38	1/2	4,656.09	1/2	4,293.32	1/2	3,930.55	1/2	3,567.78	1/2	3,205.01	1/2	2,842.24	1/2	2,479.42	1/2	2,116.51
3/4		3/4	5,010.85	3/4	4,648.53	3/4	4,285.76	3/4	3,922.99	3/4	3,560.22	3/4	3,197.45	3/4	2,834.68	3/4	2,471.86	3/4	2,108.95
10		10	5,003.32	10	4,640.97	10	4,278.20	10	3,915.43	10	3,552.66	10	3,189.89	10	2,827.12	10	2,464.30	10	2,101.39
1/4		1/4	4,995.78	1/4	4,633.41	1/4	4,270.64	1/4	3,907.87	1/4	3,545.10	1/4	3,182.34	1/4	2,819.57	1/4	2,456.73	1/4	2,093.83
1/2		1/2	4,988.25	1/2	4,625.86	1/2	4,263.09	1/2	3,900.32	1/2	3,537.55	1/2	3,174.78	1/2	2,812.01	1/2	2,449.17	1/2	2,086.27
3/4		3/4	4,980.72	3/4	4,618.30	3/4	4,255.53	3/4	3,892.76	3/4	3,529.99	3/4	3,167.22	3/4	2,804.45	3/4	2,441.61	3/4	2,078.71
11		11	4,973.19	11	4,610.74	11	4,247.97	11	3,885.20	11	3,522.43	11	3,159.66	11	2,796.89	11	2,434.05	11	2,071.15
1/4		1/4	4,965.66	1/4	4,603.18	1/4	4,240.41	1/4	3,877.64	1/4	3,514.87	1/4	3,152.10	1/4	2,789.33	1/4	2,426.49	1/4	2,063.59
1/2		1/2	4,958.13	1/2	4,595.63	1/2	4,232.86	1/2	3,870.09	1/2	3,507.32	1/2	3,144.55	1/2	2,781.78	1/2	2,418.93	1/2	2,056.03
3/4	5,293.85	3/4	4,950.60	3/4	4,588.07	3/4	4,225.30	3/4	3,862.53	3/4	3,499.76	3/4	3,136.99	3/4	2,774.22	3/4	2,411.37	3/4	2,048.47

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THE 2" CAP ON "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "MOC 18"

1 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 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	2,040.91	0	1,678.00	0	1,315.39	0	952.77	0	590.04	0	232.27	0		0		0		0	
1/4	2,033.35	1/4	1,670.44	1/4	1,307.82	1/4	945.22	1/4	582.48	1/4	224.92	1/4		1/4		1/4		1/4	
1/2	2,025.79	1/2	1,662.88	1/2	1,300.26	1/2	937.67	1/2	574.92	1/2	217.57	1/2		1/2		1/2		1/2	
3/4	2,018.23	3/4	1,655.32	3/4	1,292.70	3/4	930.12	3/4	567.35	3/4	210.21	3/4		3/4		3/4		3/4	
1	2,010.67	1	1,647.76	1	1,285.14	1	922.57	1	559.79	1	202.86	1		1		1		1	
1/4	2,003.10	1/4	1,640.20	1/4	1,277.58	1/4	915.03	1/4	552.23	1/4	195.50	1/4		1/4		1/4		1/4	
1/2	1,995.54	1/2	1,632.64	1/2	1,270.02	1/2	907.48	1/2	544.67	1/2	188.15	1/2		1/2		1/2		1/2	
3/4	1,987.98	3/4	1,625.08	3/4	1,262.46	3/4	899.93	3/4	537.11	3/4	180.65	3/4		3/4		3/4		3/4	
2	1,980.42	2	1,617.52	2	1,254.90	2	892.38	2	529.55	2	173.16	2		2		2		2	
1/4	1,972.86	1/4	1,609.96	1/4	1,247.34	1/4	884.83	1/4	521.99	1/4	165.66	1/4		1/4		1/4		1/4	
1/2	1,965.30	1/2	1,602.40	1/2	1,239.78	1/2	877.28	1/2	514.43	1/2	158.16	1/2		1/2		1/2		1/2	
3/4	1,957.74	3/4	1,594.85	3/4	1,232.22	3/4	869.73	3/4	506.87	3/4	150.64	3/4		3/4		3/4		3/4	
3	1,950.18	3	1,587.31	3	1,224.66	3	862.19	3	499.30	3	143.11	3		3		3		3	
1/4	1,942.62	1/4	1,579.76	1/4	1,217.09	1/4	854.64	1/4	491.74	1/4	135.59	1/4		1/4		1/4		1/4	
1/2	1,935.06	1/2	1,572.21	1/2	1,209.53	1/2	847.09	1/2	484.18	1/2	128.06	1/2		1/2		1/2		1/2	
3/4	1,927.50	3/4	1,564.67	3/4	1,201.97	3/4	839.53	3/4	476.62	3/4	120.56	3/4		3/4		3/4		3/4	
4	1,919.94	4	1,557.13	4	1,194.41	4	831.97	4	469.06	4	113.06	4		4		4		4	
1/4	1,912.38	1/4	1,549.59	1/4	1,186.85	1/4	824.42	1/4	461.50	1/4	105.56	1/4		1/4		1/4		1/4	
1/2	1,904.82	1/2	1,542.04	1/2	1,179.29	1/2	816.86	1/2	453.94	1/2	98.06	1/2		1/2		1/2		1/2	
3/4	1,897.26	3/4	1,534.50	3/4	1,171.73	3/4	809.30	3/4	446.38	3/4	91.02	3/4		3/4		3/4		3/4	
5	1,889.70	5	1,526.96	5	1,164.17	5	801.74	5	438.82	5	83.97	5		5		5		5	
1/4	1,882.14	1/4	1,519.42	1/4	1,156.61	1/4	794.18	1/4	431.25	1/4	76.92	1/4		1/4		1/4		1/4	
1/2	1,874.58	1/2	1,511.88	1/2	1,149.05	1/2	786.62	1/2	423.69	1/2	69.88	1/2		1/2		1/2		1/2	
3/4	1,867.02	3/4	1,504.33	3/4	1,141.49	3/4	779.06	3/4	416.29	3/4	63.92	3/4		3/4		3/4		3/4	
6	1,859.46	6	1,496.79	6	1,133.94	6	771.49	6	408.88	6	57.97	6		6		6		6	
1/4	1,851.89	1/4	1,489.25	1/4	1,126.39	1/4	763.93	1/4	401.48	1/4	52.02	1/4		1/4		1/4		1/4	
1/2	1,844.33	1/2	1,481.71	1/2	1,118.84	1/2	756.37	1/2	394.07	1/2	46.07	1/2		1/2		1/2		1/2	
3/4	1,836.77	3/4	1,474.15	3/4	1,111.29	3/4	748.81	3/4	386.71	3/4	41.37	3/4		3/4		3/4		3/4	
7	1,829.21	7	1,466.59	7	1,103.74	7	741.25	7	379.36	7	36.68	7		7		7		7	
1/4	1,821.65	1/4	1,459.04	1/4	1,096.19	1/4	733.69	1/4	372.01	1/4	31.99	1/4		1/4		1/4		1/4	
1/2	1,814.09	1/2	1,451.48	1/2	1,088.64	1/2	726.13	1/2	364.65	1/2	27.29	1/2		1/2		1/2		1/2	
3/4	1,806.53	3/4	1,443.92	3/4	1,081.10	3/4	718.57	3/4	357.30	3/4		3/4		3/4		3/4		3/4	
8	1,798.97	8	1,436.36	8	1,073.55	8	711.01	8	349.94	8		8		8		8		8	
1/4	1,791.41	1/4	1,428.80	1/4	1,066.00	1/4	703.45	1/4	342.59	1/4		1/4		1/4		1/4		1/4	
1/2	1,783.85	1/2	1,421.24	1/2	1,058.45	1/2	695.89	1/2	335.23	1/2		1/2		1/2		1/2		1/2	
3/4	1,776.29	3/4	1,413.68	3/4	1,050.90	3/4	688.33	3/4	327.88	3/4		3/4		3/4		3/4		3/4	
9	1,768.73	9	1,406.12	9	1,043.35	9	680.77	9	320.53	9		9		9		9		9	
1/4	1,761.17	1/4	1,398.56	1/4	1,035.80	1/4	673.21	1/4	313.17	1/4		1/4		1/4		1/4		1/4	
1/2	1,753.61	1/2	1,390.99	1/2	1,028.26	1/2	665.65	1/2	305.82	1/2		1/2		1/2		1/2		1/2	
3/4	1,746.05	3/4	1,383.43	3/4	1,020.71	3/4	658.09	3/4	298.46	3/4		3/4		3/4		3/4		3/4	
10	1,738.49	10	1,375.87	10	1,013.16	10	650.53	10	291.11	10		10		10		10		10	
1/4	1,730.93	1/4	1,368.31	1/4	1,005.61	1/4	642.96	1/4	283.75	1/4		1/4		1/4		1/4		1/4	
1/2	1,723.37	1/2	1,360.75	1/2	998.06	1/2	635.40	1/2	276.40	1/2		1/2		1/2		1/2		1/2	
3/4	1,715.81	3/4	1,353.19	3/4	990.51	3/4	627.84	3/4	269.05	3/4		3/4		3/4		3/4		3/4	
11	1,708.25	11	1,345.63	11	982.96	11	620.28	11	261.69	11		11		11		11		11	
1/4	1,700.68	1/4	1,338.07	1/4	975.42	1/4	612.72	1/4	254.34	1/4		1/4		1/4		1/4		1/4	
1/2	1,693.12	1/2	1,330.51	1/2	967.87	1/2	605.16	1/2	246.98	1/2		1/2		1/2		1/2		1/2	
3/4	1,685.56	3/4	1,322.95	3/4	960.32	3/4	597.60	3/4	239.63	3/4		3/4		3/4		3/4		3/4	

STRAPPED: 11/12/2012 CL - SW
CALCULATED: 11/13/2012 CL
PRINTED: 11/13/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2012

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

BARGE "MOC 18"

1 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	5,295.25	0	4,951.83	0	4,589.09	0	4,226.02	0	3,862.94	0	3,499.86	0	3,136.79	0	2,773.71	0	2,410.63
1/4		1/4	5,290.60	1/4	4,944.30	1/4	4,581.53	1/4	4,218.45	1/4	3,855.38	1/4	3,492.30	1/4	3,129.22	1/4	2,766.15	1/4	2,403.07
1/2		1/2	5,285.95	1/2	4,936.76	1/2	4,573.97	1/2	4,210.89	1/2	3,847.81	1/2	3,484.74	1/2	3,121.66	1/2	2,758.58	1/2	2,395.51
3/4		3/4	5,281.30	3/4	4,929.23	3/4	4,566.40	3/4	4,203.33	3/4	3,840.25	3/4	3,477.17	3/4	3,114.10	3/4	2,751.02	3/4	2,387.94
1		1	5,275.39	1	4,921.69	1	4,558.84	1	4,195.76	1	3,832.68	1	3,469.61	1	3,106.53	1	2,743.45	1	2,380.38
1/4		1/4	5,269.48	1/4	4,914.16	1/4	4,551.27	1/4	4,188.20	1/4	3,825.12	1/4	3,462.04	1/4	3,098.97	1/4	2,735.89	1/4	2,372.81
1/2		1/2	5,263.57	1/2	4,906.62	1/2	4,543.71	1/2	4,180.63	1/2	3,817.56	1/2	3,454.48	1/2	3,091.40	1/2	2,728.33	1/2	2,365.25
3/4		3/4	5,257.66	3/4	4,899.09	3/4	4,536.15	3/4	4,173.07	3/4	3,809.99	3/4	3,446.92	3/4	3,083.84	3/4	2,720.76	3/4	2,357.69
2		2	5,250.62	2	4,891.55	2	4,528.58	2	4,165.51	2	3,802.43	2	3,439.35	2	3,076.27	2	2,713.20	2	2,350.12
1/4		1/4	5,243.59	1/4	4,884.02	1/4	4,521.02	1/4	4,157.94	1/4	3,794.86	1/4	3,431.79	1/4	3,068.71	1/4	2,705.63	1/4	2,342.56
1/2		1/2	5,236.55	1/2	4,876.48	1/2	4,513.45	1/2	4,150.38	1/2	3,787.30	1/2	3,424.22	1/2	3,061.15	1/2	2,698.07	1/2	2,334.99
3/4		3/4	5,229.52	3/4	4,868.95	3/4	4,505.89	3/4	4,142.81	3/4	3,779.74	3/4	3,416.66	3/4	3,053.58	3/4	2,690.51	3/4	2,327.43
3		3	5,222.09	3	4,861.39	3	4,498.33	3	4,135.25	3	3,772.17	3	3,409.10	3	3,046.02	3	2,682.94	3	2,319.86
1/4		1/4	5,214.66	1/4	4,853.83	1/4	4,490.76	1/4	4,127.68	1/4	3,764.61	1/4	3,401.53	1/4	3,038.45	1/4	2,675.38	1/4	2,312.30
1/2		1/2	5,207.24	1/2	4,846.27	1/2	4,483.20	1/2	4,120.12	1/2	3,757.04	1/2	3,393.97	1/2	3,030.89	1/2	2,667.81	1/2	2,304.74
3/4		3/4	5,199.81	3/4	4,838.71	3/4	4,475.63	3/4	4,112.56	3/4	3,749.48	3/4	3,386.40	3/4	3,023.33	3/4	2,660.25	3/4	2,297.17
4		4	5,192.33	4	4,831.15	4	4,468.07	4	4,104.99	4	3,741.92	4	3,378.84	4	3,015.76	4	2,652.69	4	2,289.61
1/4		1/4	5,184.85	1/4	4,823.58	1/4	4,460.51	1/4	4,097.43	1/4	3,734.35	1/4	3,371.27	1/4	3,008.20	1/4	2,645.12	1/4	2,282.04
1/2		1/2	5,177.38	1/2	4,816.02	1/2	4,452.94	1/2	4,089.86	1/2	3,726.79	1/2	3,363.71	1/2	3,000.63	1/2	2,637.56	1/2	2,274.48
3/4		3/4	5,169.90	3/4	4,808.45	3/4	4,445.38	3/4	4,082.30	3/4	3,719.22	3/4	3,356.15	3/4	2,993.07	3/4	2,629.99	3/4	2,266.92
5		5	5,162.41	5	4,800.89	5	4,437.81	5	4,074.74	5	3,711.66	5	3,348.58	5	2,985.51	5	2,622.43	5	2,259.35
1/4		1/4	5,154.93	1/4	4,793.33	1/4	4,430.25	1/4	4,067.17	1/4	3,704.10	1/4	3,341.02	1/4	2,977.94	1/4	2,614.86	1/4	2,251.79
1/2		1/2	5,147.44	1/2	4,785.76	1/2	4,422.68	1/2	4,059.61	1/2	3,696.53	1/2	3,333.45	1/2	2,970.38	1/2	2,607.30	1/2	2,244.22
3/4		3/4	5,139.96	3/4	4,778.20	3/4	4,415.12	3/4	4,052.04	3/4	3,688.97	3/4	3,325.89	3/4	2,962.81	3/4	2,599.74	3/4	2,236.66
6		6	5,132.47	6	4,770.63	6	4,407.56	6	4,044.48	6	3,681.40	6	3,318.33	6	2,955.25	6	2,592.17	6	2,229.10
1/4		1/4	5,124.99	1/4	4,763.07	1/4	4,399.99	1/4	4,036.92	1/4	3,673.84	1/4	3,310.76	1/4	2,947.69	1/4	2,584.61	1/4	2,221.53
1/2		1/2	5,117.50	1/2	4,755.51	1/2	4,392.43	1/2	4,029.35	1/2	3,666.27	1/2	3,303.20	1/2	2,940.12	1/2	2,577.04	1/2	2,213.97
3/4		3/4	5,110.02	3/4	4,747.94	3/4	4,384.86	3/4	4,021.79	3/4	3,658.71	3/4	3,295.63	3/4	2,932.56	3/4	2,569.48	3/4	2,206.40
7		7	5,102.50	7	4,740.38	7	4,377.30	7	4,014.22	7	3,651.15	7	3,288.07	7	2,924.99	7	2,561.92	7	2,198.84
1/4		1/4	5,094.97	1/4	4,732.81	1/4	4,369.74	1/4	4,006.66	1/4	3,643.58	1/4	3,280.51	1/4	2,917.43	1/4	2,554.35	1/4	2,191.28
1/2		1/2	5,087.45	1/2	4,725.25	1/2	4,362.17	1/2	3,999.10	1/2	3,636.02	1/2	3,272.94	1/2	2,909.86	1/2	2,546.79	1/2	2,183.71
3/4		3/4	5,079.93	3/4	4,717.68	3/4	4,354.61	3/4	3,991.53	3/4	3,628.45	3/4	3,265.38	3/4	2,902.30	3/4	2,539.22	3/4	2,176.15
8		8	5,072.39	8	4,710.12	8	4,347.04	8	3,983.97	8	3,620.89	8	3,257.81	8	2,894.74	8	2,531.66	8	2,168.58
1/4		1/4	5,064.86	1/4	4,702.56	1/4	4,339.48	1/4	3,976.40	1/4	3,613.33	1/4	3,250.25	1/4	2,887.17	1/4	2,524.10	1/4	2,161.02
1/2		1/2	5,057.32	1/2	4,694.99	1/2	4,331.92	1/2	3,968.84	1/2	3,605.76	1/2	3,242.69	1/2	2,879.61	1/2	2,516.53	1/2	2,153.45
3/4		3/4	5,049.79	3/4	4,687.43	3/4	4,324.35	3/4	3,961.27	3/4	3,598.20	3/4	3,235.12	3/4	2,872.04	3/4	2,508.97	3/4	2,145.89
9		9	5,042.25	9	4,679.86	9	4,316.79	9	3,953.71	9	3,590.63	9	3,227.56	9	2,864.48	9	2,501.40	9	2,138.33
1/4		1/4	5,034.72	1/4	4,672.30	1/4	4,309.22	1/4	3,946.15	1/4	3,583.07	1/4	3,219.99	1/4	2,856.92	1/4	2,493.84	1/4	2,130.76
1/2		1/2	5,027.18	1/2	4,664.74	1/2	4,301.66	1/2	3,938.58	1/2	3,575.51	1/2	3,212.43	1/2	2,849.35	1/2	2,486.28	1/2	2,123.20
3/4		3/4	5,019.65	3/4	4,657.17	3/4	4,294.10	3/4	3,931.02	3/4	3,567.94	3/4	3,204.86	3/4	2,841.79	3/4	2,478.71	3/4	2,115.63
10		10	5,012.11	10	4,649.61	10	4,286.53	10	3,923.45	10	3,560.38	10	3,197.30	10	2,834.22	10	2,471.15	10	2,108.07
1/4		1/4	5,004.58	1/4	4,642.04	1/4	4,278.97	1/4	3,915.89	1/4	3,552.81	1/4	3,189.74	1/4	2,826.66	1/4	2,463.58	1/4	2,100.51
1/2		1/2	4,997.04	1/2	4,634.48	1/2	4,271.40	1/2	3,908.33	1/2	3,545.25	1/2	3,182.17	1/2	2,819.10	1/2	2,456.02	1/2	2,092.94
3/4		3/4	4,989.51	3/4	4,626.92	3/4	4,263.84	3/4	3,900.76	3/4	3,537.69	3/4	3,174.61	3/4	2,811.53	3/4	2,448.45	3/4	2,085.38
11		11	4,981.97	11	4,619.35	11	4,256.27	11	3,893.20	11	3,530.12	11	3,167.04	11	2,803.97	11	2,440.89	11	2,077.81
1/4		1/4	4,974.44	1/4	4,611.79	1/4	4,248.71	1/4	3,885.63	1/4	3,522.56	1/4	3,159.48	1/4	2,796.40	1/4	2,433.33	1/4	2,070.25
1/2		1/2	4,966.90	1/2	4,604.22	1/2	4,241.15	1/2	3,878.07	1/2	3,514.99	1/2	3,151.92	1/2	2,788.84	1/2	2,425.76	1/2	2,062.69
3/4		3/4	4,959.37	3/4	4,596.66	3/4	4,233.58	3/4	3,870.51	3/4	3,507.43	3/4	3,144.35	3/4	2,781.28	3/4	2,418.20	3/4	2,055.12

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THE 2" CAP ON "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

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

BARGE "MOC 18"

1 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 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	2,047.56	0	1,684.48	0	1,321.69	0	959.68	0	597.89	0	239.74	0		0		0		0	
1/4	2,039.99	1/4	1,676.92	1/4	1,314.12	1/4	952.16	1/4	590.32	1/4	232.39	1/4		1/4		1/4		1/4	
1/2	2,032.43	1/2	1,669.35	1/2	1,306.56	1/2	944.65	1/2	582.76	1/2	225.03	1/2		1/2		1/2		1/2	
3/4	2,024.87	3/4	1,661.79	3/4	1,299.00	3/4	937.14	3/4	575.19	3/4	217.67	3/4		3/4		3/4		3/4	
1	2,017.30	1	1,654.22	1	1,291.43	1	929.63	1	567.63	1	210.31	1		1		1		1	
1/4	2,009.74	1/4	1,646.66	1/4	1,283.87	1/4	922.11	1/4	560.06	1/4	202.96	1/4		1/4		1/4		1/4	
1/2	2,002.17	1/2	1,639.10	1/2	1,276.30	1/2	914.60	1/2	552.50	1/2	195.60	1/2		1/2		1/2		1/2	
3/4	1,994.61	3/4	1,631.53	3/4	1,268.74	3/4	907.09	3/4	544.94	3/4	188.24	3/4		3/4		3/4		3/4	
2	1,987.04	2	1,623.97	2	1,261.17	2	899.57	2	537.37	2	180.74	2		2		2		2	
1/4	1,979.48	1/4	1,616.40	1/4	1,253.61	1/4	892.06	1/4	529.81	1/4	173.24	1/4		1/4		1/4		1/4	
1/2	1,971.92	1/2	1,608.84	1/2	1,246.04	1/2	884.55	1/2	522.24	1/2	165.74	1/2		1/2		1/2		1/2	
3/4	1,964.35	3/4	1,601.28	3/4	1,238.48	3/4	877.04	3/4	514.68	3/4	158.24	3/4		3/4		3/4		3/4	
3	1,956.79	3	1,593.73	3	1,230.92	3	869.52	3	507.11	3	150.71	3		3		3		3	
1/4	1,949.22	1/4	1,586.18	1/4	1,223.35	1/4	862.01	1/4	499.55	1/4	143.18	1/4		1/4		1/4		1/4	
1/2	1,941.66	1/2	1,578.62	1/2	1,215.79	1/2	854.50	1/2	491.98	1/2	135.65	1/2		1/2		1/2		1/2	
3/4	1,934.10	3/4	1,571.07	3/4	1,208.22	3/4	846.99	3/4	484.42	3/4	128.12	3/4		3/4		3/4		3/4	
4	1,926.53	4	1,563.53	4	1,200.66	4	839.46	4	476.85	4	120.62	4		4		4		4	
1/4	1,918.97	1/4	1,555.98	1/4	1,193.09	1/4	831.94	1/4	469.29	1/4	113.12	1/4		1/4		1/4		1/4	
1/2	1,911.40	1/2	1,548.44	1/2	1,185.53	1/2	824.42	1/2	461.72	1/2	105.61	1/2		1/2		1/2		1/2	
3/4	1,903.84	3/4	1,540.89	3/4	1,177.96	3/4	816.90	3/4	454.16	3/4	98.11	3/4		3/4		3/4		3/4	
5	1,896.28	5	1,533.35	5	1,170.40	5	809.37	5	446.59	5	91.06	5		5		5		5	
1/4	1,888.71	1/4	1,525.80	1/4	1,162.83	1/4	801.85	1/4	439.03	1/4	84.01	1/4		1/4		1/4		1/4	
1/2	1,881.15	1/2	1,518.25	1/2	1,155.27	1/2	794.32	1/2	431.46	1/2	76.96	1/2		1/2		1/2		1/2	
3/4	1,873.58	3/4	1,510.71	3/4	1,147.71	3/4	786.80	3/4	423.90	3/4	69.91	3/4		3/4		3/4		3/4	
6	1,866.02	6	1,503.16	6	1,140.15	6	779.27	6	416.49	6	63.96	6		6		6		6	
1/4	1,858.45	1/4	1,495.62	1/4	1,132.60	1/4	771.75	1/4	409.08	1/4	58.00	1/4		1/4		1/4		1/4	
1/2	1,850.89	1/2	1,488.07	1/2	1,125.04	1/2	764.22	1/2	401.67	1/2	52.04	1/2		1/2		1/2		1/2	
3/4	1,843.33	3/4	1,480.53	3/4	1,117.48	3/4	756.70	3/4	394.26	3/4	46.09	3/4		3/4		3/4		3/4	
7	1,835.76	7	1,472.97	7	1,109.96	7	749.15	7	386.90	7	41.39	7		7		7		7	
1/4	1,828.20	1/4	1,465.41	1/4	1,102.44	1/4	741.59	1/4	379.54	1/4	36.70	1/4		1/4		1/4		1/4	
1/2	1,820.63	1/2	1,457.85	1/2	1,094.92	1/2	734.04	1/2	372.19	1/2	32.00	1/2		1/2		1/2		1/2	
3/4	1,813.07	3/4	1,450.29	3/4	1,087.39	3/4	726.48	3/4	364.83	3/4	27.31	3/4		3/4		3/4		3/4	
8	1,805.51	8	1,442.72	8	1,079.88	8	718.92	8	357.47	8		8		8		8		8	
1/4	1,797.94	1/4	1,435.16	1/4	1,072.37	1/4	711.35	1/4	350.11	1/4		1/4		1/4		1/4		1/4	
1/2	1,790.38	1/2	1,427.59	1/2	1,064.86	1/2	703.79	1/2	342.76	1/2		1/2		1/2		1/2		1/2	
3/4	1,782.81	3/4	1,420.03	3/4	1,057.34	3/4	696.23	3/4	335.40	3/4		3/4		3/4		3/4		3/4	
9	1,775.25	9	1,412.46	9	1,049.83	9	688.66	9	328.04	9		9		9		9		9	
1/4	1,767.69	1/4	1,404.90	1/4	1,042.32	1/4	681.10	1/4	320.68	1/4		1/4		1/4		1/4		1/4	
1/2	1,760.12	1/2	1,397.33	1/2	1,034.81	1/2	673.53	1/2	313.32	1/2		1/2		1/2		1/2		1/2	
3/4	1,752.56	3/4	1,389.77	3/4	1,027.29	3/4	665.97	3/4	305.97	3/4		3/4		3/4		3/4		3/4	
10	1,744.99	10	1,382.21	10	1,019.78	10	658.40	10	298.61	10		10		10		10		10	
1/4	1,737.43	1/4	1,374.64	1/4	1,012.27	1/4	650.84	1/4	291.25	1/4		1/4		1/4		1/4		1/4	
1/2	1,729.87	1/2	1,367.08	1/2	1,004.75	1/2	643.28	1/2	283.89	1/2		1/2		1/2		1/2		1/2	
3/4	1,722.30	3/4	1,359.51	3/4	997.24	3/4	635.71	3/4	276.53	3/4		3/4		3/4		3/4		3/4	
11	1,714.74	11	1,351.95	11	989.73	11	628.15	11	269.18	11		11		11		11		11	
1/4	1,707.17	1/4	1,344.38	1/4	982.22	1/4	620.58	1/4	261.82	1/4		1/4		1/4		1/4		1/4	
1/2	1,699.61	1/2	1,336.82	1/2	974.70	1/2	613.02	1/2	254.46	1/2		1/2		1/2		1/2		1/2	
3/4	1,692.04	3/4	1,329.25	3/4	967.19	3/4	605.45	3/4	247.10	3/4		3/4		3/4		3/4		3/4	

STRAPPED: 11/12/2012 CL - SW
CALCULATED: 11/13/2012 CL
PRINTED: 11/13/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2012

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

BARGE "MOC 18"

2 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	5,266.64	0	4,918.69	0	4,557.22	0	4,195.56	0	3,833.91	0	3,472.25	0	3,110.60	0	2,748.94	0	2,387.20
1/4		1/4	5,262.00	1/4	4,911.19	1/4	4,549.68	1/4	4,188.03	1/4	3,826.37	1/4	3,464.72	1/4	3,103.06	1/4	2,741.40	1/4	2,379.66
1/2		1/2	5,256.11	1/2	4,903.68	1/2	4,542.15	1/2	4,180.49	1/2	3,818.84	1/2	3,457.18	1/2	3,095.53	1/2	2,733.87	1/2	2,372.12
3/4		3/4	5,250.22	3/4	4,896.17	3/4	4,534.62	3/4	4,172.96	3/4	3,811.30	3/4	3,449.65	3/4	3,087.99	3/4	2,726.34	3/4	2,364.58
1		1	5,244.33	1	4,888.66	1	4,527.08	1	4,165.43	1	3,803.77	1	3,442.11	1	3,080.46	1	2,718.80	1	2,357.05
1/4		1/4	5,238.44	1/4	4,881.15	1/4	4,519.55	1/4	4,157.89	1/4	3,796.23	1/4	3,434.58	1/4	3,072.92	1/4	2,711.27	1/4	2,349.51
1/2		1/2	5,231.43	1/2	4,873.64	1/2	4,512.01	1/2	4,150.36	1/2	3,788.70	1/2	3,427.04	1/2	3,065.39	1/2	2,703.73	1/2	2,341.97
3/4		3/4	5,224.42	3/4	4,866.14	3/4	4,504.48	3/4	4,142.82	3/4	3,781.17	3/4	3,419.51	3/4	3,057.85	3/4	2,696.20	3/4	2,334.43
2		2	5,217.41	2	4,858.63	2	4,496.94	2	4,135.29	2	3,773.63	2	3,411.98	2	3,050.32	2	2,688.66	2	2,326.90
1/4		1/4	5,210.40	1/4	4,851.12	1/4	4,489.41	1/4	4,127.75	1/4	3,766.10	1/4	3,404.44	1/4	3,042.78	1/4	2,681.13	1/4	2,319.36
1/2		1/2	5,203.00	1/2	4,843.59	1/2	4,481.87	1/2	4,120.22	1/2	3,758.56	1/2	3,396.91	1/2	3,035.25	1/2	2,673.59	1/2	2,311.82
3/4		3/4	5,195.60	3/4	4,836.06	3/4	4,474.34	3/4	4,112.68	3/4	3,751.03	3/4	3,389.37	3/4	3,027.72	3/4	2,666.06	3/4	2,304.29
3		3	5,188.20	3	4,828.53	3	4,466.81	3	4,105.15	3	3,743.49	3	3,381.84	3	3,020.18	3	2,658.53	3	2,296.75
1/4		1/4	5,180.80	1/4	4,821.00	1/4	4,459.27	1/4	4,097.61	1/4	3,735.96	1/4	3,374.30	1/4	3,012.65	1/4	2,650.99	1/4	2,289.21
1/2		1/2	5,173.35	1/2	4,813.46	1/2	4,451.74	1/2	4,090.08	1/2	3,728.42	1/2	3,366.77	1/2	3,005.11	1/2	2,643.46	1/2	2,281.67
3/4		3/4	5,165.90	3/4	4,805.92	3/4	4,444.20	3/4	4,082.55	3/4	3,720.89	3/4	3,359.23	3/4	2,997.58	3/4	2,635.92	3/4	2,274.14
4		4	5,158.45	4	4,798.39	4	4,436.67	4	4,075.01	4	3,713.36	4	3,351.70	4	2,990.04	4	2,628.39	4	2,266.60
1/4		1/4	5,151.00	1/4	4,790.85	1/4	4,429.13	1/4	4,067.48	1/4	3,705.82	1/4	3,344.16	1/4	2,982.51	1/4	2,620.85	1/4	2,259.06
1/2		1/2	5,143.54	1/2	4,783.31	1/2	4,421.60	1/2	4,059.94	1/2	3,698.29	1/2	3,336.63	1/2	2,974.97	1/2	2,613.32	1/2	2,251.52
3/4		3/4	5,136.08	3/4	4,775.78	3/4	4,414.06	3/4	4,052.41	3/4	3,690.75	3/4	3,329.10	3/4	2,967.44	3/4	2,605.78	3/4	2,243.99
5		5	5,128.62	5	4,768.24	5	4,406.53	5	4,044.87	5	3,683.22	5	3,321.56	5	2,959.91	5	2,598.24	5	2,236.45
1/4		1/4	5,121.17	1/4	4,760.70	1/4	4,398.99	1/4	4,037.34	1/4	3,675.68	1/4	3,314.03	1/4	2,952.37	1/4	2,590.70	1/4	2,228.91
1/2		1/2	5,113.71	1/2	4,753.16	1/2	4,391.46	1/2	4,029.80	1/2	3,668.15	1/2	3,306.49	1/2	2,944.84	1/2	2,583.17	1/2	2,221.37
3/4		3/4	5,106.25	3/4	4,745.63	3/4	4,383.93	3/4	4,022.27	3/4	3,660.61	3/4	3,298.96	3/4	2,937.30	3/4	2,575.63	3/4	2,213.84
6		6	5,098.79	6	4,738.09	6	4,376.39	6	4,014.74	6	3,653.08	6	3,291.42	6	2,929.77	6	2,568.09	6	2,206.30
1/4		1/4	5,091.33	1/4	4,730.55	1/4	4,368.86	1/4	4,007.20	1/4	3,645.54	1/4	3,283.89	1/4	2,922.23	1/4	2,560.55	1/4	2,198.76
1/2		1/2	5,083.84	1/2	4,723.01	1/2	4,361.32	1/2	3,999.67	1/2	3,638.01	1/2	3,276.35	1/2	2,914.70	1/2	2,553.02	1/2	2,191.23
3/4		3/4	5,076.34	3/4	4,715.48	3/4	4,353.79	3/4	3,992.13	3/4	3,630.48	3/4	3,268.82	3/4	2,907.16	3/4	2,545.48	3/4	2,183.69
7		7	5,068.85	7	4,707.94	7	4,346.25	7	3,984.60	7	3,622.94	7	3,261.29	7	2,899.63	7	2,537.94	7	2,176.15
1/4		1/4	5,061.35	1/4	4,700.40	1/4	4,338.72	1/4	3,977.06	1/4	3,615.41	1/4	3,253.75	1/4	2,892.09	1/4	2,530.40	1/4	2,168.61
1/2		1/2	5,053.84	1/2	4,692.86	1/2	4,331.18	1/2	3,969.53	1/2	3,607.87	1/2	3,246.22	1/2	2,884.56	1/2	2,522.87	1/2	2,161.08
3/4		3/4	5,046.33	3/4	4,685.33	3/4	4,323.65	3/4	3,961.99	3/4	3,600.34	3/4	3,238.68	3/4	2,877.03	3/4	2,515.33	3/4	2,153.54
8		8	5,038.82	8	4,677.79	8	4,316.12	8	3,954.46	8	3,592.80	8	3,231.15	8	2,869.49	8	2,507.79	8	2,146.00
1/4		1/4	5,031.32	1/4	4,670.25	1/4	4,308.58	1/4	3,946.92	1/4	3,585.27	1/4	3,223.61	1/4	2,861.96	1/4	2,500.26	1/4	2,138.46
1/2		1/2	5,023.81	1/2	4,662.71	1/2	4,301.05	1/2	3,939.39	1/2	3,577.73	1/2	3,216.08	1/2	2,854.42	1/2	2,492.72	1/2	2,130.93
3/4		3/4	5,016.30	3/4	4,655.18	3/4	4,293.51	3/4	3,931.86	3/4	3,570.20	3/4	3,208.54	3/4	2,846.89	3/4	2,485.18	3/4	2,123.39
9		9	5,008.79	9	4,647.64	9	4,285.98	9	3,924.32	9	3,562.67	9	3,201.01	9	2,839.35	9	2,477.64	9	2,115.85
1/4		1/4	5,001.28	1/4	4,640.10	1/4	4,278.44	1/4	3,916.79	1/4	3,555.13	1/4	3,193.47	1/4	2,831.82	1/4	2,470.11	1/4	2,108.32
1/2		1/2	4,993.78	1/2	4,632.56	1/2	4,270.91	1/2	3,909.25	1/2	3,547.60	1/2	3,185.94	1/2	2,824.28	1/2	2,462.57	1/2	2,100.78
3/4		3/4	4,986.27	3/4	4,625.03	3/4	4,263.37	3/4	3,901.72	3/4	3,540.06	3/4	3,178.41	3/4	2,816.75	3/4	2,455.03	3/4	2,093.24
10		10	4,978.76	10	4,617.50	10	4,255.84	10	3,894.18	10	3,532.53	10	3,170.87	10	2,809.22	10	2,447.49	10	2,085.70
1/4		1/4	4,971.25	1/4	4,609.96	1/4	4,248.30	1/4	3,886.65	1/4	3,524.99	1/4	3,163.34	1/4	2,801.68	1/4	2,439.96	1/4	2,078.17
1/2		1/2	4,963.74	1/2	4,602.43	1/2	4,240.77	1/2	3,879.11	1/2	3,517.46	1/2	3,155.80	1/2	2,794.15	1/2	2,432.42	1/2	2,070.63
3/4		3/4	4,956.23	3/4	4,594.89	3/4	4,233.24	3/4	3,871.58	3/4	3,509.92	3/4	3,148.27	3/4	2,786.61	3/4	2,424.88	3/4	2,063.09
11		11	4,948.73	11	4,587.36	11	4,225.70	11	3,864.05	11	3,502.39	11	3,140.73	11	2,779.08	11	2,417.34	11	2,055.55
1/4		1/4	4,941.22	1/4	4,579.82	1/4	4,218.17	1/4	3,856.51	1/4	3,494.85	1/4	3,133.20	1/4	2,771.54	1/4	2,409.81	1/4	2,048.02
1/2	5,275.90	1/2	4,933.71	1/2	4,572.29	1/2	4,210.63	1/2	3,848.98	1/2	3,487.32	1/2	3,125.66	1/2	2,764.01	1/2	2,402.27	1/2	2,040.48
3/4	5,271.27	3/4	4,926.20	3/4	4,564.75	3/4	4,203.10	3/4	3,841.44	3/4	3,479.79	3/4	3,118.13	3/4	2,756.47	3/4	2,394.73	3/4	2,032.94

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THE 2" CAP ON "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

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

BARGE "MOC 18"

2 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,025.41	0	1,663.61	0	1,303.72	0	942.25	0	580.64	0	224.21	0		0		0		0	
1/4	2,017.87	1/4	1,656.08	1/4	1,296.19	1/4	934.73	1/4	573.10	1/4	216.88	1/4		1/4		1/4		1/4	
1/2	2,010.33	1/2	1,648.54	1/2	1,288.65	1/2	927.20	1/2	565.56	1/2	209.55	1/2		1/2		1/2		1/2	
3/4	2,002.79	3/4	1,641.00	3/4	1,281.11	3/4	919.68	3/4	558.02	3/4	202.22	3/4		3/4		3/4		3/4	
1	1,995.26	1	1,633.47	1	1,273.57	1	912.15	1	550.49	1	194.89	1		1		1		1	
1/4	1,987.72	1/4	1,625.93	1/4	1,266.04	1/4	904.63	1/4	542.95	1/4	187.56	1/4		1/4		1/4		1/4	
1/2	1,980.18	1/2	1,618.39	1/2	1,258.50	1/2	897.10	1/2	535.41	1/2	180.09	1/2		1/2		1/2		1/2	
3/4	1,972.64	3/4	1,610.85	3/4	1,250.96	3/4	889.58	3/4	527.87	3/4	172.61	3/4		3/4		3/4		3/4	
2	1,965.11	2	1,603.32	2	1,243.42	2	882.05	2	520.34	2	165.14	2		2		2		2	
1/4	1,957.57	1/4	1,595.78	1/4	1,235.89	1/4	874.53	1/4	512.80	1/4	157.67	1/4		1/4		1/4		1/4	
1/2	1,950.03	1/2	1,588.33	1/2	1,228.35	1/2	867.00	1/2	505.26	1/2	150.17	1/2		1/2		1/2		1/2	
3/4	1,942.49	3/4	1,580.88	3/4	1,220.81	3/4	859.48	3/4	497.72	3/4	142.67	3/4		3/4		3/4		3/4	
3	1,934.96	3	1,573.43	3	1,213.28	3	851.95	3	490.19	3	135.16	3		3		3		3	
1/4	1,927.42	1/4	1,565.99	1/4	1,205.74	1/4	844.43	1/4	482.65	1/4	127.66	1/4		1/4		1/4		1/4	
1/2	1,919.88	1/2	1,558.57	1/2	1,198.20	1/2	836.89	1/2	475.11	1/2	120.19	1/2		1/2		1/2		1/2	
3/4	1,912.35	3/4	1,551.15	3/4	1,190.66	3/4	829.36	3/4	467.57	3/4	112.71	3/4		3/4		3/4		3/4	
4	1,904.81	4	1,543.73	4	1,183.13	4	821.82	4	460.04	4	105.23	4		4		4		4	
1/4	1,897.27	1/4	1,536.31	1/4	1,175.59	1/4	814.29	1/4	452.50	1/4	97.76	1/4		1/4		1/4		1/4	
1/2	1,889.73	1/2	1,528.89	1/2	1,168.05	1/2	806.75	1/2	444.96	1/2	90.73	1/2		1/2		1/2		1/2	
3/4	1,882.20	3/4	1,521.47	3/4	1,160.51	3/4	799.21	3/4	437.42	3/4	83.71	3/4		3/4		3/4		3/4	
5	1,874.66	5	1,514.06	5	1,152.98	5	791.68	5	429.89	5	76.68	5		5		5		5	
1/4	1,867.12	1/4	1,506.64	1/4	1,145.44	1/4	784.14	1/4	422.35	1/4	69.66	1/4		1/4		1/4		1/4	
1/2	1,859.58	1/2	1,499.22	1/2	1,137.91	1/2	776.60	1/2	414.97	1/2	63.73	1/2		1/2		1/2		1/2	
3/4	1,852.05	3/4	1,491.80	3/4	1,130.38	3/4	769.07	3/4	407.58	3/4	57.79	3/4		3/4		3/4		3/4	
6	1,844.51	6	1,484.38	6	1,122.85	6	761.53	6	400.20	6	51.86	6		6		6		6	
1/4	1,836.97	1/4	1,476.96	1/4	1,115.33	1/4	753.99	1/4	392.82	1/4	45.92	1/4		1/4		1/4		1/4	
1/2	1,829.44	1/2	1,469.46	1/2	1,107.80	1/2	746.46	1/2	385.49	1/2	41.24	1/2		1/2		1/2		1/2	
3/4	1,821.90	3/4	1,461.95	3/4	1,100.28	3/4	738.92	3/4	378.16	3/4	36.57	3/4		3/4		3/4		3/4	
7	1,814.36	7	1,454.44	7	1,092.75	7	731.38	7	370.83	7	31.89	7		7		7		7	
1/4	1,806.82	1/4	1,446.93	1/4	1,085.23	1/4	723.84	1/4	363.50	1/4	27.21	1/4		1/4		1/4		1/4	
1/2	1,799.29	1/2	1,439.39	1/2	1,077.70	1/2	716.31	1/2	356.17	1/2		1/2		1/2		1/2		1/2	
3/4	1,791.75	3/4	1,431.86	3/4	1,070.18	3/4	708.77	3/4	348.84	3/4		3/4		3/4		3/4		3/4	
8	1,784.21	8	1,424.32	8	1,062.65	8	701.23	8	341.50	8		8		8		8		8	
1/4	1,776.67	1/4	1,416.78	1/4	1,055.13	1/4	693.70	1/4	334.17	1/4		1/4		1/4		1/4		1/4	
1/2	1,769.14	1/2	1,409.25	1/2	1,047.60	1/2	686.16	1/2	326.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,761.60	3/4	1,401.71	3/4	1,040.08	3/4	678.62	3/4	319.51	3/4		3/4		3/4		3/4		3/4	
9	1,754.06	9	1,394.17	9	1,032.55	9	671.09	9	312.18	9		9		9		9		9	
1/4	1,746.53	1/4	1,386.63	1/4	1,025.03	1/4	663.55	1/4	304.85	1/4		1/4		1/4		1/4		1/4	
1/2	1,738.99	1/2	1,379.10	1/2	1,017.50	1/2	656.01	1/2	297.52	1/2		1/2		1/2		1/2		1/2	
3/4	1,731.45	3/4	1,371.56	3/4	1,009.98	3/4	648.47	3/4	290.19	3/4		3/4		3/4		3/4		3/4	
10	1,723.91	10	1,364.02	10	1,002.45	10	640.94	10	282.86	10		10		10		10		10	
1/4	1,716.38	1/4	1,356.48	1/4	994.93	1/4	633.40	1/4	275.53	1/4		1/4		1/4		1/4		1/4	
1/2	1,708.84	1/2	1,348.95	1/2	987.40	1/2	625.86	1/2	268.20	1/2		1/2		1/2		1/2		1/2	
3/4	1,701.30	3/4	1,341.41	3/4	979.88	3/4	618.32	3/4	260.87	3/4		3/4		3/4		3/4		3/4	
11	1,693.76	11	1,333.87	11	972.35	11	610.79	11	253.54	11		11		11		11		11	
1/4	1,686.23	1/4	1,326.34	1/4	964.83	1/4	603.25	1/4	246.21	1/4		1/4		1/4		1/4		1/4	
1/2	1,678.69	1/2	1,318.80	1/2	957.30	1/2	595.71	1/2	238.88	1/2		1/2		1/2		1/2		1/2	
3/4	1,671.15	3/4	1,311.26	3/4	949.78	3/4	588.17	3/4	231.54	3/4		3/4		3/4		3/4		3/4	

STRAPPED: 11/12/2012 CL - SW
CALCULATED: 11/13/2012 CL
PRINTED: 11/13/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2012

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

BARGE "MOC 18"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,924.07	0	4,562.68	0	4,201.02	0	3,839.36	0	3,477.71	0	3,116.05	0	2,754.40	0	2,392.66
1/4		1/4	5,258.76	1/4	4,916.56	1/4	4,555.14	1/4	4,193.49	1/4	3,831.83	1/4	3,470.17	1/4	3,108.52	1/4	2,746.86	1/4	2,385.12
1/2		1/2	5,254.12	1/2	4,909.06	1/2	4,547.61	1/2	4,185.95	1/2	3,824.29	1/2	3,462.64	1/2	3,100.98	1/2	2,739.33	1/2	2,377.59
3/4		3/4	5,249.49	3/4	4,901.55	3/4	4,540.07	3/4	4,178.42	3/4	3,816.76	3/4	3,455.10	3/4	3,093.45	3/4	2,731.79	3/4	2,370.05
1		1	5,244.86	1	4,894.04	1	4,532.54	1	4,170.88	1	3,809.23	1	3,447.57	1	3,085.91	1	2,724.26	1	2,362.51
1/4		1/4	5,238.97	1/4	4,886.53	1/4	4,525.00	1/4	4,163.35	1/4	3,801.69	1/4	3,440.04	1/4	3,078.38	1/4	2,716.72	1/4	2,354.97
1/2		1/2	5,233.08	1/2	4,879.02	1/2	4,517.47	1/2	4,155.81	1/2	3,794.16	1/2	3,432.50	1/2	3,070.84	1/2	2,709.19	1/2	2,347.44
3/4		3/4	5,227.19	3/4	4,871.51	3/4	4,509.93	3/4	4,148.28	3/4	3,786.62	3/4	3,424.97	3/4	3,063.31	3/4	2,701.65	3/4	2,339.90
2		2	5,221.30	2	4,864.01	2	4,502.40	2	4,140.74	2	3,779.09	2	3,417.43	2	3,055.78	2	2,694.12	2	2,332.36
1/4		1/4	5,214.29	1/4	4,856.50	1/4	4,494.87	1/4	4,133.21	1/4	3,771.55	1/4	3,409.90	1/4	3,048.24	1/4	2,686.59	1/4	2,324.82
1/2		1/2	5,207.28	1/2	4,848.99	1/2	4,487.33	1/2	4,125.67	1/2	3,764.02	1/2	3,402.36	1/2	3,040.71	1/2	2,679.05	1/2	2,317.29
3/4		3/4	5,200.27	3/4	4,841.48	3/4	4,479.80	3/4	4,118.14	3/4	3,756.48	3/4	3,394.83	3/4	3,033.17	3/4	2,671.52	3/4	2,309.75
3		3	5,193.26	3	4,833.97	3	4,472.26	3	4,110.61	3	3,748.95	3	3,387.29	3	3,025.64	3	2,663.98	3	2,302.21
1/4		1/4	5,185.86	1/4	4,826.44	1/4	4,464.73	1/4	4,103.07	1/4	3,741.42	1/4	3,379.76	1/4	3,018.10	1/4	2,656.45	1/4	2,294.68
1/2		1/2	5,178.45	1/2	4,818.91	1/2	4,457.19	1/2	4,095.54	1/2	3,733.88	1/2	3,372.22	1/2	3,010.57	1/2	2,648.91	1/2	2,287.14
3/4		3/4	5,171.05	3/4	4,811.38	3/4	4,449.66	3/4	4,088.00	3/4	3,726.35	3/4	3,364.69	3/4	3,003.03	3/4	2,641.38	3/4	2,279.60
4		4	5,163.65	4	4,803.85	4	4,442.12	4	4,080.47	4	3,718.81	4	3,357.16	4	2,995.50	4	2,633.84	4	2,272.06
1/4		1/4	5,156.20	1/4	4,796.31	1/4	4,434.59	1/4	4,072.93	1/4	3,711.28	1/4	3,349.62	1/4	2,987.97	1/4	2,626.31	1/4	2,264.53
1/2		1/2	5,148.75	1/2	4,788.78	1/2	4,427.05	1/2	4,065.40	1/2	3,703.74	1/2	3,342.09	1/2	2,980.43	1/2	2,618.77	1/2	2,256.99
3/4		3/4	5,141.30	3/4	4,781.24	3/4	4,419.52	3/4	4,057.86	3/4	3,696.21	3/4	3,334.55	3/4	2,972.90	3/4	2,611.24	3/4	2,249.45
5		5	5,133.85	5	4,773.70	5	4,411.99	5	4,050.33	5	3,688.67	5	3,327.02	5	2,965.36	5	2,603.71	5	2,241.91
1/4		1/4	5,126.39	1/4	4,766.17	1/4	4,404.45	1/4	4,042.80	1/4	3,681.14	1/4	3,319.48	1/4	2,957.83	1/4	2,596.17	1/4	2,234.38
1/2		1/2	5,118.93	1/2	4,758.63	1/2	4,396.92	1/2	4,035.26	1/2	3,673.60	1/2	3,311.95	1/2	2,950.29	1/2	2,588.63	1/2	2,226.84
3/4		3/4	5,111.48	3/4	4,751.09	3/4	4,389.38	3/4	4,027.73	3/4	3,666.07	3/4	3,304.41	3/4	2,942.76	3/4	2,581.09	3/4	2,219.30
6		6	5,104.02	6	4,743.55	6	4,381.85	6	4,020.19	6	3,658.54	6	3,296.88	6	2,935.22	6	2,573.56	6	2,211.77
1/4		1/4	5,096.56	1/4	4,736.02	1/4	4,374.31	1/4	4,012.66	1/4	3,651.00	1/4	3,289.35	1/4	2,927.69	1/4	2,566.02	1/4	2,204.23
1/2		1/2	5,089.10	1/2	4,728.48	1/2	4,366.78	1/2	4,005.12	1/2	3,643.47	1/2	3,281.81	1/2	2,920.15	1/2	2,558.48	1/2	2,196.69
3/4		3/4	5,081.64	3/4	4,720.94	3/4	4,359.24	3/4	3,997.59	3/4	3,635.93	3/4	3,274.28	3/4	2,912.62	3/4	2,550.94	3/4	2,189.15
7		7	5,074.19	7	4,713.40	7	4,351.71	7	3,990.05	7	3,628.40	7	3,266.74	7	2,905.09	7	2,543.41	7	2,181.62
1/4		1/4	5,066.69	1/4	4,705.87	1/4	4,344.18	1/4	3,982.52	1/4	3,620.86	1/4	3,259.21	1/4	2,897.55	1/4	2,535.87	1/4	2,174.08
1/2		1/2	5,059.19	1/2	4,698.33	1/2	4,336.64	1/2	3,974.98	1/2	3,613.33	1/2	3,251.67	1/2	2,890.02	1/2	2,528.33	1/2	2,166.54
3/4		3/4	5,051.70	3/4	4,690.79	3/4	4,329.11	3/4	3,967.45	3/4	3,605.79	3/4	3,244.14	3/4	2,882.48	3/4	2,520.79	3/4	2,159.00
8		8	5,044.20	8	4,683.26	8	4,321.57	8	3,959.92	8	3,598.26	8	3,236.60	8	2,874.95	8	2,513.26	8	2,151.47
1/4		1/4	5,036.69	1/4	4,675.72	1/4	4,314.04	1/4	3,952.38	1/4	3,590.73	1/4	3,229.07	1/4	2,867.41	1/4	2,505.72	1/4	2,143.93
1/2		1/2	5,029.19	1/2	4,668.18	1/2	4,306.50	1/2	3,944.85	1/2	3,583.19	1/2	3,221.53	1/2	2,859.88	1/2	2,498.18	1/2	2,136.39
3/4		3/4	5,021.68	3/4	4,660.64	3/4	4,298.97	3/4	3,937.31	3/4	3,575.66	3/4	3,214.00	3/4	2,852.34	3/4	2,490.65	3/4	2,128.86
9		9	5,014.17	9	4,653.11	9	4,291.43	9	3,929.78	9	3,568.12	9	3,206.47	9	2,844.81	9	2,483.11	9	2,121.32
1/4		1/4	5,006.66	1/4	4,645.57	1/4	4,283.90	1/4	3,922.24	1/4	3,560.59	1/4	3,198.93	1/4	2,837.28	1/4	2,475.57	1/4	2,113.78
1/2		1/2	4,999.15	1/2	4,638.03	1/2	4,276.36	1/2	3,914.71	1/2	3,553.05	1/2	3,191.40	1/2	2,829.74	1/2	2,468.03	1/2	2,106.24
3/4		3/4	4,991.65	3/4	4,630.49	3/4	4,268.83	3/4	3,907.17	3/4	3,545.52	3/4	3,183.86	3/4	2,822.21	3/4	2,460.50	3/4	2,098.71
10		10	4,984.14	10	4,622.95	10	4,261.30	10	3,899.64	10	3,537.98	10	3,176.33	10	2,814.67	10	2,452.96	10	2,091.17
1/4		1/4	4,976.63	1/4	4,615.42	1/4	4,253.76	1/4	3,892.11	1/4	3,530.45	1/4	3,168.79	1/4	2,807.14	1/4	2,445.42	1/4	2,083.63
1/2		1/2	4,969.12	1/2	4,607.88	1/2	4,246.23	1/2	3,884.57	1/2	3,522.91	1/2	3,161.26	1/2	2,799.60	1/2	2,437.88	1/2	2,076.09
3/4		3/4	4,961.61	3/4	4,600.35	3/4	4,238.69	3/4	3,877.04	3/4	3,515.38	3/4	3,153.72	3/4	2,792.07	3/4	2,430.35	3/4	2,068.56
11		11	4,954.10	11	4,592.81	11	4,231.16	11	3,869.50	11	3,507.85	11	3,146.19	11	2,784.53	11	2,422.81	11	2,061.02
1/4		1/4	4,946.60	1/4	4,585.28	1/4	4,223.62	1/4	3,861.97	1/4	3,500.31	1/4	3,138.66	1/4	2,777.00	1/4	2,415.27	1/4	2,053.48
1/2		1/2	4,939.09	1/2	4,577.74	1/2	4,216.09	1/2	3,854.43	1/2	3,492.78	1/2	3,131.12	1/2	2,769.46	1/2	2,407.74	1/2	2,045.94
3/4		3/4	4,931.58	3/4	4,570.21	3/4	4,208.55	3/4	3,846.90	3/4	3,485.24	3/4	3,123.59	3/4	2,761.93	3/4	2,400.20	3/4	2,038.41

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THE 2" CAP ON "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

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

BARGE "MOC 18"

2 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

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	2,030.87	0	1,669.08	0	1,309.19	0	954.47	0	603.25	0	246.21	0		0		0		0	
1/4	2,023.33	1/4	1,661.54	1/4	1,301.65	1/4	947.30	1/4	595.71	1/4	238.88	1/4		1/4		1/4		1/4	
1/2	2,015.80	1/2	1,654.01	1/2	1,294.11	1/2	940.13	1/2	588.17	1/2	231.54	1/2		1/2		1/2		1/2	
3/4	2,008.26	3/4	1,646.47	3/4	1,286.58	3/4	932.96	3/4	580.64	3/4	224.21	3/4		3/4		3/4		3/4	
1	2,000.72	1	1,638.93	1	1,279.04	1	925.80	1	573.10	1	216.88	1		1		1		1	
1/4	1,993.18	1/4	1,631.39	1/4	1,271.50	1/4	918.63	1/4	565.56	1/4	209.55	1/4		1/4		1/4		1/4	
1/2	1,985.65	1/2	1,623.86	1/2	1,263.96	1/2	911.46	1/2	558.02	1/2	202.22	1/2		1/2		1/2		1/2	
3/4	1,978.11	3/4	1,616.32	3/4	1,256.43	3/4	904.29	3/4	550.49	3/4	194.89	3/4		3/4		3/4		3/4	
2	1,970.57	2	1,608.78	2	1,248.89	2	897.12	2	542.95	2	187.56	2		2		2		2	
1/4	1,963.03	1/4	1,601.24	1/4	1,241.35	1/4	889.96	1/4	535.41	1/4	180.09	1/4		1/4		1/4		1/4	
1/2	1,955.50	1/2	1,593.71	1/2	1,233.82	1/2	882.79	1/2	527.87	1/2	172.61	1/2		1/2		1/2		1/2	
3/4	1,947.96	3/4	1,586.17	3/4	1,226.28	3/4	875.62	3/4	520.34	3/4	165.14	3/4		3/4		3/4		3/4	
3	1,940.42	3	1,578.63	3	1,218.74	3	868.45	3	512.80	3	157.67	3		3		3		3	
1/4	1,932.89	1/4	1,571.18	1/4	1,211.20	1/4	861.28	1/4	505.26	1/4	150.17	1/4		1/4		1/4		1/4	
1/2	1,925.35	1/2	1,563.74	1/2	1,203.67	1/2	854.12	1/2	497.72	1/2	142.67	1/2		1/2		1/2		1/2	
3/4	1,917.81	3/4	1,556.29	3/4	1,196.13	3/4	846.95	3/4	490.19	3/4	135.16	3/4		3/4		3/4		3/4	
4	1,910.27	4	1,548.84	4	1,188.59	4	839.78	4	482.65	4	127.66	4		4		4		4	
1/4	1,902.74	1/4	1,541.42	1/4	1,181.05	1/4	832.60	1/4	475.11	1/4	120.19	1/4		1/4		1/4		1/4	
1/2	1,895.20	1/2	1,534.00	1/2	1,173.52	1/2	825.43	1/2	467.57	1/2	112.71	1/2		1/2		1/2		1/2	
3/4	1,887.66	3/4	1,526.58	3/4	1,165.98	3/4	818.25	3/4	460.04	3/4	105.23	3/4		3/4		3/4		3/4	
5	1,880.12	5	1,519.17	5	1,158.44	5	811.07	5	452.50	5	97.76	5		5		5		5	
1/4	1,872.59	1/4	1,511.75	1/4	1,150.90	1/4	803.89	1/4	444.96	1/4	90.73	1/4		1/4		1/4		1/4	
1/2	1,865.05	1/2	1,504.33	1/2	1,143.37	1/2	796.71	1/2	437.42	1/2	83.71	1/2		1/2		1/2		1/2	
3/4	1,857.51	3/4	1,496.91	3/4	1,135.83	3/4	789.53	3/4	429.89	3/4	76.68	3/4		3/4		3/4		3/4	
6	1,849.98	6	1,489.49	6	1,128.29	6	782.36	6	422.35	6	69.66	6		6		6		6	
1/4	1,842.44	1/4	1,482.07	1/4	1,120.76	1/4	775.18	1/4	414.97	1/4	63.73	1/4		1/4		1/4		1/4	
1/2	1,834.90	1/2	1,474.65	1/2	1,113.24	1/2	768.00	1/2	407.58	1/2	57.79	1/2		1/2		1/2		1/2	
3/4	1,827.36	3/4	1,467.23	3/4	1,105.71	3/4	760.82	3/4	400.20	3/4	51.86	3/4		3/4		3/4		3/4	
7	1,819.83	7	1,459.82	7	1,098.18	7	753.64	7	392.82	7	45.92	7		7		7		7	
1/4	1,812.29	1/4	1,452.31	1/4	1,090.92	1/4	746.19	1/4	385.49	1/4	41.24	1/4		1/4		1/4		1/4	
1/2	1,804.75	1/2	1,444.80	1/2	1,083.67	1/2	738.74	1/2	378.16	1/2	36.57	1/2		1/2		1/2		1/2	
3/4	1,797.21	3/4	1,437.29	3/4	1,076.41	3/4	731.29	3/4	370.83	3/4	31.89	3/4		3/4		3/4		3/4	
8	1,789.68	8	1,429.79	8	1,069.15	8	723.84	8	363.50	8	27.21	8		8		8		8	
1/4	1,782.14	1/4	1,422.25	1/4	1,061.98	1/4	716.31	1/4	356.17	1/4		1/4		1/4		1/4		1/4	
1/2	1,774.60	1/2	1,414.71	1/2	1,054.82	1/2	708.77	1/2	348.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,767.06	3/4	1,407.17	3/4	1,047.65	3/4	701.23	3/4	341.50	3/4		3/4		3/4		3/4		3/4	
9	1,759.53	9	1,399.64	9	1,040.48	9	693.70	9	334.17	9		9		9		9		9	
1/4	1,751.99	1/4	1,392.10	1/4	1,033.31	1/4	686.16	1/4	326.84	1/4		1/4		1/4		1/4		1/4	
1/2	1,744.45	1/2	1,384.56	1/2	1,026.14	1/2	678.62	1/2	319.51	1/2		1/2		1/2		1/2		1/2	
3/4	1,736.92	3/4	1,377.02	3/4	1,018.98	3/4	671.09	3/4	312.18	3/4		3/4		3/4		3/4		3/4	
10	1,729.38	10	1,369.49	10	1,011.81	10	663.55	10	304.85	10		10		10		10		10	
1/4	1,721.84	1/4	1,361.95	1/4	1,004.64	1/4	656.01	1/4	297.52	1/4		1/4		1/4		1/4		1/4	
1/2	1,714.30	1/2	1,354.41	1/2	997.47	1/2	648.47	1/2	290.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,706.77	3/4	1,346.87	3/4	990.31	3/4	640.94	3/4	282.86	3/4		3/4		3/4		3/4		3/4	
11	1,699.23	11	1,339.34	11	983.14	11	633.40	11	275.53	11		11		11		11		11	
1/4	1,691.69	1/4	1,331.80	1/4	975.97	1/4	625.86	1/4	268.20	1/4		1/4		1/4		1/4		1/4	
1/2	1,684.15	1/2	1,324.26	1/2	968.80	1/2	618.32	1/2	260.87	1/2		1/2		1/2		1/2		1/2	
3/4	1,676.62	3/4	1,316.73	3/4	961.63	3/4	610.79	3/4	253.54	3/4		3/4		3/4		3/4		3/4	

STRAPPED: 11/12/2012 CL - SW
CALCULATED: 11/13/2012 CL
PRINTED: 11/13/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2012

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

BARGE "MOC 18"

3 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	4,399.37	0	4,216.46	0	4,023.34	0	3,830.14	0	3,636.94	0	3,442.29	0	3,113.07	0	2,753.08	0	2,392.73
1/4		1/4	4,396.89	1/4	4,212.45	1/4	4,019.31	1/4	3,826.11	1/4	3,632.91	1/4	3,437.58	1/4	3,105.57	1/4	2,745.58	1/4	2,385.22
1/2		1/2	4,394.42	1/2	4,208.43	1/2	4,015.29	1/2	3,822.09	1/2	3,628.89	1/2	3,432.87	1/2	3,098.08	1/2	2,738.07	1/2	2,377.71
3/4		3/4	4,391.94	3/4	4,204.42	3/4	4,011.26	3/4	3,818.06	3/4	3,624.86	3/4	3,428.15	3/4	3,090.59	3/4	2,730.56	3/4	2,370.20
1		1	4,388.79	1	4,200.41	1	4,007.24	1	3,814.04	1	3,620.84	1	3,422.86	1	3,083.10	1	2,723.06	1	2,362.70
1/4		1/4	4,385.64	1/4	4,196.39	1/4	4,003.21	1/4	3,810.01	1/4	3,616.81	1/4	3,417.57	1/4	3,075.61	1/4	2,715.55	1/4	2,355.19
1/2		1/2	4,382.49	1/2	4,192.38	1/2	3,999.19	1/2	3,805.99	1/2	3,612.79	1/2	3,412.27	1/2	3,068.12	1/2	2,708.05	1/2	2,347.68
3/4		3/4	4,379.35	3/4	4,188.37	3/4	3,995.16	3/4	3,801.96	3/4	3,608.76	3/4	3,406.98	3/4	3,060.63	3/4	2,700.54	3/4	2,340.17
2		2	4,375.60	2	4,184.35	2	3,991.14	2	3,797.94	2	3,604.74	2	3,401.11	2	3,053.14	2	2,693.04	2	2,332.66
1/4		1/4	4,371.85	1/4	4,180.34	1/4	3,987.11	1/4	3,793.91	1/4	3,600.71	1/4	3,395.23	1/4	3,045.65	1/4	2,685.53	1/4	2,325.15
1/2		1/2	4,368.10	1/2	4,176.33	1/2	3,983.09	1/2	3,789.89	1/2	3,596.69	1/2	3,389.36	1/2	3,038.15	1/2	2,678.02	1/2	2,317.64
3/4		3/4	4,364.36	3/4	4,172.31	3/4	3,979.06	3/4	3,785.86	3/4	3,592.66	3/4	3,383.49	3/4	3,030.66	3/4	2,670.52	3/4	2,310.14
3		3	4,360.40	3	4,168.29	3	3,975.04	3	3,781.84	3	3,588.64	3	3,377.03	3	3,023.17	3	2,663.01	3	2,302.63
1/4		1/4	4,356.45	1/4	4,164.27	1/4	3,971.01	1/4	3,777.81	1/4	3,584.61	1/4	3,370.58	1/4	3,015.68	1/4	2,655.51	1/4	2,295.12
1/2		1/2	4,352.49	1/2	4,160.24	1/2	3,966.99	1/2	3,773.79	1/2	3,580.59	1/2	3,364.13	1/2	3,008.19	1/2	2,648.00	1/2	2,287.61
3/4		3/4	4,348.53	3/4	4,156.22	3/4	3,962.96	3/4	3,769.76	3/4	3,576.56	3/4	3,357.67	3/4	3,000.70	3/4	2,640.50	3/4	2,280.10
4		4	4,344.55	4	4,152.19	4	3,958.94	4	3,765.74	4	3,572.54	4	3,350.64	4	2,993.21	4	2,632.99	4	2,272.59
1/4		1/4	4,340.57	1/4	4,148.16	1/4	3,954.91	1/4	3,761.71	1/4	3,568.51	1/4	3,343.61	1/4	2,985.72	1/4	2,625.48	1/4	2,265.09
1/2		1/2	4,336.58	1/2	4,144.13	1/2	3,950.89	1/2	3,757.69	1/2	3,564.49	1/2	3,336.58	1/2	2,978.22	1/2	2,617.98	1/2	2,257.58
3/4		3/4	4,332.60	3/4	4,140.11	3/4	3,946.86	3/4	3,753.66	3/4	3,560.46	3/4	3,329.54	3/4	2,970.73	3/4	2,610.47	3/4	2,250.07
5		5	4,328.61	5	4,136.08	5	3,942.84	5	3,749.64	5	3,556.44	5	3,322.16	5	2,963.23	5	2,602.97	5	2,242.56
1/4		1/4	4,324.63	1/4	4,132.05	1/4	3,938.81	1/4	3,745.61	1/4	3,552.41	1/4	3,314.78	1/4	2,955.73	1/4	2,595.46	1/4	2,235.05
1/2		1/2	4,320.64	1/2	4,128.02	1/2	3,934.79	1/2	3,741.59	1/2	3,548.39	1/2	3,307.39	1/2	2,948.23	1/2	2,587.95	1/2	2,227.54
3/4		3/4	4,316.66	3/4	4,124.00	3/4	3,930.76	3/4	3,737.56	3/4	3,544.36	3/4	3,300.01	3/4	2,940.72	3/4	2,580.44	3/4	2,220.03
6		6	4,312.67	6	4,119.97	6	3,926.74	6	3,733.54	6	3,540.34	6	3,292.55	6	2,933.22	6	2,572.93	6	2,212.53
1/4		1/4	4,308.68	1/4	4,115.94	1/4	3,922.71	1/4	3,729.51	1/4	3,536.31	1/4	3,285.09	1/4	2,925.71	1/4	2,565.43	1/4	2,205.02
1/2		1/2	4,304.70	1/2	4,111.91	1/2	3,918.69	1/2	3,725.49	1/2	3,532.29	1/2	3,277.63	1/2	2,918.21	1/2	2,557.92	1/2	2,197.51
3/4		3/4	4,300.71	3/4	4,107.88	3/4	3,914.66	3/4	3,721.46	3/4	3,528.26	3/4	3,270.17	3/4	2,910.70	3/4	2,550.41	3/4	2,190.00
7		7	4,296.70	7	4,103.86	7	3,910.64	7	3,717.44	7	3,524.24	7	3,262.70	7	2,903.20	7	2,542.90	7	2,182.49
1/4		1/4	4,292.70	1/4	4,099.83	1/4	3,906.61	1/4	3,713.41	1/4	3,520.21	1/4	3,255.23	1/4	2,895.69	1/4	2,535.39	1/4	2,174.98
1/2		1/2	4,288.69	1/2	4,095.80	1/2	3,902.59	1/2	3,709.39	1/2	3,516.19	1/2	3,247.77	1/2	2,888.18	1/2	2,527.88	1/2	2,167.47
3/4		3/4	4,284.68	3/4	4,091.77	3/4	3,898.56	3/4	3,705.36	3/4	3,512.16	3/4	3,240.30	3/4	2,880.68	3/4	2,520.37	3/4	2,159.97
8		8	4,280.67	8	4,087.75	8	3,894.54	8	3,701.34	8	3,508.14	8	3,232.83	8	2,873.17	8	2,512.87	8	2,152.46
1/4		1/4	4,276.66	1/4	4,083.72	1/4	3,890.51	1/4	3,697.31	1/4	3,504.11	1/4	3,225.36	1/4	2,865.67	1/4	2,505.36	1/4	2,144.95
1/2		1/2	4,272.64	1/2	4,079.69	1/2	3,886.49	1/2	3,693.29	1/2	3,500.09	1/2	3,217.90	1/2	2,858.16	1/2	2,497.85	1/2	2,137.44
3/4		3/4	4,268.63	3/4	4,075.66	3/4	3,882.46	3/4	3,689.26	3/4	3,496.06	3/4	3,210.43	3/4	2,850.66	3/4	2,490.34	3/4	2,129.93
9		9	4,264.62	9	4,071.64	9	3,878.44	9	3,685.24	9	3,492.04	9	3,202.94	9	2,843.15	9	2,482.83	9	2,122.42
1/4		1/4	4,260.60	1/4	4,067.61	1/4	3,874.41	1/4	3,681.21	1/4	3,488.01	1/4	3,195.46	1/4	2,835.64	1/4	2,475.32	1/4	2,114.92
1/2		1/2	4,256.59	1/2	4,063.59	1/2	3,870.39	1/2	3,677.19	1/2	3,483.99	1/2	3,187.97	1/2	2,828.14	1/2	2,467.81	1/2	2,107.41
3/4		3/4	4,252.58	3/4	4,059.56	3/4	3,866.36	3/4	3,673.16	3/4	3,479.96	3/4	3,180.49	3/4	2,820.63	3/4	2,460.31	3/4	2,099.90
10		10	4,248.56	10	4,055.54	10	3,862.34	10	3,669.14	10	3,475.94	10	3,173.00	10	2,813.13	10	2,452.80	10	2,092.39
1/4		1/4	4,244.55	1/4	4,051.51	1/4	3,858.31	1/4	3,665.11	1/4	3,471.91	1/4	3,165.50	1/4	2,805.62	1/4	2,445.29	1/4	2,084.88
1/2		1/2	4,240.54	1/2	4,047.49	1/2	3,854.29	1/2	3,661.09	1/2	3,467.89	1/2	3,158.01	1/2	2,798.12	1/2	2,437.78	1/2	2,077.37
3/4		3/4	4,236.52	3/4	4,043.46	3/4	3,850.26	3/4	3,657.06	3/4	3,463.86	3/4	3,150.52	3/4	2,790.61	3/4	2,430.27	3/4	2,069.86
11		11	4,232.51	11	4,039.44	11	3,846.24	11	3,653.04	11	3,459.65	11	3,143.03	11	2,783.10	11	2,422.76	11	2,062.36
1/4		1/4	4,228.50	1/4	4,035.41	1/4	3,842.21	1/4	3,649.01	1/4	3,455.43	1/4	3,135.54	1/4	2,775.60	1/4	2,415.26	1/4	2,054.85
1/2		1/2	4,224.48	1/2	4,031.39	1/2	3,838.19	1/2	3,644.99	1/2	3,451.22	1/2	3,128.05	1/2	2,768.09	1/2	2,407.75	1/2	2,047.34
3/4		3/4	4,220.47	3/4	4,027.36	3/4	3,834.16	3/4	3,640.96	3/4	3,447.01	3/4	3,120.56	3/4	2,760.59	3/4	2,400.24	3/4	2,039.83

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THE 2" CAP ON "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-03" FORWARD OF AFT BULKHEAD.

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

BARGE "MOC 18"

3 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 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	2,032.32	0	1,671.91	0	1,313.73	0	953.61	0	593.41	0	237.96	0		0		0		0	
1/4	2,024.81	1/4	1,664.41	1/4	1,306.22	1/4	946.12	1/4	585.90	1/4	230.65	1/4		1/4		1/4		1/4	
1/2	2,017.30	1/2	1,656.90	1/2	1,298.71	1/2	938.62	1/2	578.39	1/2	223.35	1/2		1/2		1/2		1/2	
3/4	2,009.80	3/4	1,649.39	3/4	1,291.20	3/4	931.13	3/4	570.88	3/4	216.05	3/4		3/4		3/4		3/4	
1	2,002.29	1	1,641.88	1	1,283.69	1	923.63	1	563.37	1	208.75	1		1		1		1	
1/4	1,994.78	1/4	1,634.37	1/4	1,276.19	1/4	916.13	1/4	555.87	1/4	201.45	1/4		1/4		1/4		1/4	
1/2	1,987.27	1/2	1,626.86	1/2	1,268.68	1/2	908.64	1/2	548.36	1/2	194.14	1/2		1/2		1/2		1/2	
3/4	1,979.76	3/4	1,619.35	3/4	1,261.17	3/4	901.14	3/4	540.85	3/4	186.84	3/4		3/4		3/4		3/4	
2	1,972.25	2	1,611.85	2	1,253.66	2	893.65	2	533.34	2	179.40	2		2		2		2	
1/4	1,964.75	1/4	1,604.34	1/4	1,246.15	1/4	886.15	1/4	525.83	1/4	171.95	1/4		1/4		1/4		1/4	
1/2	1,957.24	1/2	1,596.83	1/2	1,238.64	1/2	878.65	1/2	518.32	1/2	164.51	1/2		1/2		1/2		1/2	
3/4	1,949.73	3/4	1,589.32	3/4	1,231.13	3/4	871.16	3/4	510.81	3/4	157.07	3/4		3/4		3/4		3/4	
3	1,942.22	3	1,581.92	3	1,223.63	3	863.66	3	503.31	3	149.59	3		3		3		3	
1/4	1,934.71	1/4	1,574.51	1/4	1,216.12	1/4	856.16	1/4	495.80	1/4	142.12	1/4		1/4		1/4		1/4	
1/2	1,927.20	1/2	1,567.11	1/2	1,208.61	1/2	848.67	1/2	488.29	1/2	134.65	1/2		1/2		1/2		1/2	
3/4	1,919.69	3/4	1,559.70	3/4	1,201.10	3/4	841.17	3/4	480.78	3/4	127.17	3/4		3/4		3/4		3/4	
4	1,912.19	4	1,552.33	4	1,193.59	4	833.67	4	473.27	4	119.73	4		4		4		4	
1/4	1,904.68	1/4	1,544.96	1/4	1,186.08	1/4	826.16	1/4	465.76	1/4	112.28	1/4		1/4		1/4		1/4	
1/2	1,897.17	1/2	1,537.59	1/2	1,178.58	1/2	818.66	1/2	458.25	1/2	104.83	1/2		1/2		1/2		1/2	
3/4	1,889.66	3/4	1,530.22	3/4	1,171.07	3/4	811.15	3/4	450.74	3/4	97.38	3/4		3/4		3/4		3/4	
5	1,882.15	5	1,522.85	5	1,163.56	5	803.64	5	443.24	5	90.39	5		5		5		5	
1/4	1,874.64	1/4	1,515.49	1/4	1,156.05	1/4	796.13	1/4	435.73	1/4	83.39	1/4		1/4		1/4		1/4	
1/2	1,867.13	1/2	1,508.12	1/2	1,148.54	1/2	788.63	1/2	428.22	1/2	76.39	1/2		1/2		1/2		1/2	
3/4	1,859.63	3/4	1,500.75	3/4	1,141.03	3/4	781.12	3/4	420.71	3/4	69.40	3/4		3/4		3/4		3/4	
6	1,852.12	6	1,493.38	6	1,133.53	6	773.61	6	413.36	6	63.48	6		6		6		6	
1/4	1,844.61	1/4	1,486.01	1/4	1,126.03	1/4	766.10	1/4	406.00	1/4	57.57	1/4		1/4		1/4		1/4	
1/2	1,837.10	1/2	1,478.64	1/2	1,118.53	1/2	758.59	1/2	398.65	1/2	51.66	1/2		1/2		1/2		1/2	
3/4	1,829.59	3/4	1,471.27	3/4	1,111.03	3/4	751.08	3/4	391.30	3/4	45.75	3/4		3/4		3/4		3/4	
7	1,822.08	7	1,463.79	7	1,103.54	7	743.58	7	383.99	7	41.09	7		7		7		7	
1/4	1,814.58	1/4	1,456.32	1/4	1,096.04	1/4	736.07	1/4	376.69	1/4	36.43	1/4		1/4		1/4		1/4	
1/2	1,807.07	1/2	1,448.85	1/2	1,088.55	1/2	728.56	1/2	369.39	1/2	31.77	1/2		1/2		1/2		1/2	
3/4	1,799.56	3/4	1,441.37	3/4	1,081.05	3/4	721.05	3/4	362.09	3/4	27.11	3/4		3/4		3/4		3/4	
8	1,792.05	8	1,433.86	8	1,073.55	8	713.54	8	354.79	8		8		8		8		8	
1/4	1,784.54	1/4	1,426.36	1/4	1,066.06	1/4	706.04	1/4	347.48	1/4		1/4		1/4		1/4		1/4	
1/2	1,777.03	1/2	1,418.85	1/2	1,058.56	1/2	698.53	1/2	340.18	1/2		1/2		1/2		1/2		1/2	
3/4	1,769.52	3/4	1,411.34	3/4	1,051.07	3/4	691.02	3/4	332.88	3/4		3/4		3/4		3/4		3/4	
9	1,762.02	9	1,403.83	9	1,043.57	9	683.51	9	325.58	9		9		9		9		9	
1/4	1,754.51	1/4	1,396.32	1/4	1,036.07	1/4	676.00	1/4	318.28	1/4		1/4		1/4		1/4		1/4	
1/2	1,747.00	1/2	1,388.81	1/2	1,028.58	1/2	668.49	1/2	310.98	1/2		1/2		1/2		1/2		1/2	
3/4	1,739.49	3/4	1,381.30	3/4	1,021.08	3/4	660.99	3/4	303.67	3/4		3/4		3/4		3/4		3/4	
10	1,731.98	10	1,373.80	10	1,013.58	10	653.48	10	296.37	10		10		10		10		10	
1/4	1,724.47	1/4	1,366.29	1/4	1,006.09	1/4	645.97	1/4	289.07	1/4		1/4		1/4		1/4		1/4	
1/2	1,716.96	1/2	1,358.78	1/2	998.59	1/2	638.46	1/2	281.77	1/2		1/2		1/2		1/2		1/2	
3/4	1,709.46	3/4	1,351.27	3/4	991.10	3/4	630.95	3/4	274.47	3/4		3/4		3/4		3/4		3/4	
11	1,701.95	11	1,343.76	11	983.60	11	623.44	11	267.16	11		11		11		11		11	
1/4	1,694.44	1/4	1,336.25	1/4	976.10	1/4	615.93	1/4	259.86	1/4		1/4		1/4		1/4		1/4	
1/2	1,686.93	1/2	1,328.75	1/2	968.61	1/2	608.43	1/2	252.56	1/2		1/2		1/2		1/2		1/2	
3/4	1,679.42	3/4	1,321.24	3/4	961.11	3/4	600.92	3/4	245.26	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/12/2012 CL - SW
CALCULATED: 11/13/2012 CL
PRINTED: 11/13/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2012

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

BARGE "MOC 18"

3 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 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		0	4,366.20	0	4,181.92	0	3,988.92	0	3,795.76	0	3,602.61	0	3,407.33	0	3,076.04	0	2,716.86	0	2,357.30
1/4		1/4	4,363.73	1/4	4,177.91	1/4	3,984.90	1/4	3,791.74	1/4	3,598.58	1/4	3,402.62	1/4	3,068.56	1/4	2,709.37	1/4	2,349.81
1/2		1/2	4,361.25	1/2	4,173.90	1/2	3,980.87	1/2	3,787.71	1/2	3,594.56	1/2	3,397.91	1/2	3,061.09	1/2	2,701.88	1/2	2,342.32
3/4		3/4	4,358.10	3/4	4,169.89	3/4	3,976.85	3/4	3,783.69	3/4	3,590.53	3/4	3,392.63	3/4	3,053.61	3/4	2,694.39	3/4	2,334.83
1		1	4,354.96	1	4,165.88	1	3,972.82	1	3,779.67	1	3,586.51	1	3,387.35	1	3,046.14	1	2,686.90	1	2,327.34
1/4		1/4	4,351.81	1/4	4,161.87	1/4	3,968.80	1/4	3,775.64	1/4	3,582.49	1/4	3,382.07	1/4	3,038.66	1/4	2,679.41	1/4	2,319.85
1/2		1/2	4,348.67	1/2	4,157.86	1/2	3,964.78	1/2	3,771.62	1/2	3,578.46	1/2	3,376.79	1/2	3,031.19	1/2	2,671.92	1/2	2,312.36
3/4		3/4	4,344.92	3/4	4,153.85	3/4	3,960.75	3/4	3,767.59	3/4	3,574.44	3/4	3,370.93	3/4	3,023.71	3/4	2,664.43	3/4	2,304.87
2		2	4,341.18	2	4,149.84	2	3,956.73	2	3,763.57	2	3,570.41	2	3,365.07	2	3,016.24	2	2,656.94	2	2,297.38
1/4		1/4	4,337.44	1/4	4,145.84	1/4	3,952.70	1/4	3,759.55	1/4	3,566.39	1/4	3,359.21	1/4	3,008.76	1/4	2,649.45	1/4	2,289.88
1/2		1/2	4,333.69	1/2	4,141.83	1/2	3,948.68	1/2	3,755.52	1/2	3,562.37	1/2	3,353.36	1/2	3,001.29	1/2	2,641.96	1/2	2,282.39
3/4		3/4	4,329.74	3/4	4,137.80	3/4	3,944.65	3/4	3,751.50	3/4	3,558.34	3/4	3,346.92	3/4	2,993.81	3/4	2,634.47	3/4	2,274.90
3		3	4,325.79	3	4,133.78	3	3,940.63	3	3,747.47	3	3,554.32	3	3,340.48	3	2,986.34	3	2,626.97	3	2,267.41
1/4		1/4	4,321.84	1/4	4,129.76	1/4	3,936.61	1/4	3,743.45	1/4	3,550.29	1/4	3,334.04	1/4	2,978.86	1/4	2,619.48	1/4	2,259.92
1/2		1/2	4,317.89	1/2	4,125.74	1/2	3,932.58	1/2	3,739.43	1/2	3,546.27	1/2	3,327.60	1/2	2,971.38	1/2	2,611.99	1/2	2,252.43
3/4		3/4	4,313.91	3/4	4,121.72	3/4	3,928.56	3/4	3,735.40	3/4	3,542.24	3/4	3,320.59	3/4	2,963.91	3/4	2,604.50	3/4	2,244.94
4		4	4,309.93	4	4,117.69	4	3,924.53	4	3,731.38	4	3,538.22	4	3,313.57	4	2,956.43	4	2,597.01	4	2,237.45
1/4		1/4	4,305.95	1/4	4,113.67	1/4	3,920.51	1/4	3,727.35	1/4	3,534.20	1/4	3,306.55	1/4	2,948.96	1/4	2,589.52	1/4	2,229.96
1/2		1/2	4,301.97	1/2	4,109.64	1/2	3,916.49	1/2	3,723.33	1/2	3,530.17	1/2	3,299.54	1/2	2,941.48	1/2	2,582.03	1/2	2,222.47
3/4		3/4	4,297.99	3/4	4,105.62	3/4	3,912.46	3/4	3,719.31	3/4	3,526.15	3/4	3,292.17	3/4	2,934.00	3/4	2,574.54	3/4	2,214.98
5		5	4,294.00	5	4,101.59	5	3,908.44	5	3,715.28	5	3,522.12	5	3,284.80	5	2,926.51	5	2,567.05	5	2,207.48
1/4		1/4	4,290.02	1/4	4,097.57	1/4	3,904.41	1/4	3,711.26	1/4	3,518.10	1/4	3,277.44	1/4	2,919.02	1/4	2,559.56	1/4	2,199.99
1/2		1/2	4,286.04	1/2	4,093.55	1/2	3,900.39	1/2	3,707.23	1/2	3,514.08	1/2	3,270.07	1/2	2,911.54	1/2	2,552.07	1/2	2,192.50
3/4		3/4	4,282.05	3/4	4,089.52	3/4	3,896.37	3/4	3,703.21	3/4	3,510.05	3/4	3,262.62	3/4	2,904.05	3/4	2,544.58	3/4	2,185.01
6		6	4,278.07	6	4,085.50	6	3,892.34	6	3,699.18	6	3,506.03	6	3,255.18	6	2,896.56	6	2,537.08	6	2,177.52
1/4		1/4	4,274.09	1/4	4,081.47	1/4	3,888.32	1/4	3,695.16	1/4	3,502.00	1/4	3,247.73	1/4	2,889.07	1/4	2,529.59	1/4	2,170.03
1/2		1/2	4,270.11	1/2	4,077.45	1/2	3,884.29	1/2	3,691.14	1/2	3,497.98	1/2	3,240.29	1/2	2,881.59	1/2	2,522.10	1/2	2,162.54
3/4		3/4	4,266.10	3/4	4,073.43	3/4	3,880.27	3/4	3,687.11	3/4	3,493.96	3/4	3,232.84	3/4	2,874.10	3/4	2,514.61	3/4	2,155.05
7		7	4,262.10	7	4,069.40	7	3,876.24	7	3,683.09	7	3,489.93	7	3,225.39	7	2,866.61	7	2,507.12	7	2,147.56
1/4		1/4	4,258.10	1/4	4,065.38	1/4	3,872.22	1/4	3,679.06	1/4	3,485.91	1/4	3,217.93	1/4	2,859.12	1/4	2,499.63	1/4	2,140.07
1/2		1/2	4,254.09	1/2	4,061.35	1/2	3,868.20	1/2	3,675.04	1/2	3,481.88	1/2	3,210.48	1/2	2,851.64	1/2	2,492.14	1/2	2,132.58
3/4		3/4	4,250.08	3/4	4,057.33	3/4	3,864.17	3/4	3,671.02	3/4	3,477.86	3/4	3,203.03	3/4	2,844.15	3/4	2,484.65	3/4	2,125.08
8		8	4,246.08	8	4,053.31	8	3,860.15	8	3,666.99	8	3,473.83	8	3,195.58	8	2,836.66	8	2,477.16	8	2,117.59
1/4		1/4	4,242.07	1/4	4,049.28	1/4	3,856.12	1/4	3,662.97	1/4	3,469.81	1/4	3,188.13	1/4	2,829.17	1/4	2,469.67	1/4	2,110.10
1/2		1/2	4,238.06	1/2	4,045.26	1/2	3,852.10	1/2	3,658.94	1/2	3,465.79	1/2	3,180.67	1/2	2,821.69	1/2	2,462.18	1/2	2,102.61
3/4		3/4	4,234.05	3/4	4,041.23	3/4	3,848.08	3/4	3,654.92	3/4	3,461.76	3/4	3,173.20	3/4	2,814.20	3/4	2,454.68	3/4	2,095.12
9		9	4,230.04	9	4,037.21	9	3,844.05	9	3,650.90	9	3,457.74	9	3,165.73	9	2,806.71	9	2,447.19	9	2,087.63
1/4		1/4	4,226.03	1/4	4,033.18	1/4	3,840.03	1/4	3,646.87	1/4	3,453.71	1/4	3,158.26	1/4	2,799.23	1/4	2,439.70	1/4	2,080.14
1/2		1/2	4,222.02	1/2	4,029.16	1/2	3,836.00	1/2	3,642.85	1/2	3,449.69	1/2	3,150.79	1/2	2,791.74	1/2	2,432.21	1/2	2,072.65
3/4		3/4	4,218.01	3/4	4,025.14	3/4	3,831.98	3/4	3,638.82	3/4	3,445.67	3/4	3,143.32	3/4	2,784.25	3/4	2,424.72	3/4	2,065.16
10		10	4,214.00	10	4,021.11	10	3,827.96	10	3,634.80	10	3,441.64	10	3,135.84	10	2,776.76	10	2,417.23	10	2,057.67
1/4		1/4	4,209.99	1/4	4,017.09	1/4	3,823.93	1/4	3,630.77	1/4	3,437.62	1/4	3,128.37	1/4	2,769.28	1/4	2,409.74	1/4	2,050.18
1/2		1/2	4,205.98	1/2	4,013.06	1/2	3,819.91	1/2	3,626.75	1/2	3,433.59	1/2	3,120.89	1/2	2,761.79	1/2	2,402.25	1/2	2,042.68
3/4		3/4	4,201.97	3/4	4,009.04	3/4	3,815.88	3/4	3,622.73	3/4	3,429.38	3/4	3,113.42	3/4	2,754.30	3/4	2,394.76	3/4	2,035.19
11		11	4,197.96	11	4,005.02	11	3,811.86	11	3,618.70	11	3,425.17	11	3,105.94	11	2,746.81	11	2,387.27	11	2,027.70
1/4		1/4	4,193.95	1/4	4,000.99	1/4	3,807.84	1/4	3,614.68	1/4	3,420.96	1/4	3,098.47	1/4	2,739.33	1/4	2,379.78	1/4	2,020.21
1/2		1/2	4,189.94	1/2	3,996.97	1/2	3,803.81	1/2	3,610.65	1/2	3,416.75	1/2	3,090.99	1/2	2,731.84	1/2	2,372.28	1/2	2,012.72
3/4	4,368.67	3/4	4,185.93	3/4	3,992.94	3/4	3,799.79	3/4	3,606.63	3/4	3,412.04	3/4	3,083.52	3/4	2,724.35	3/4	2,364.79	3/4	2,005.23

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THE 2" CAP ON "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-03" FORWARD OF AFT BULKHEAD.

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

BARGE "MOC 18"

3 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,997.74	0	1,638.18	0	1,281.20	0	932.43	0	584.86	0	230.34	0		0		0		0	
1/4	1,990.25	1/4	1,630.69	1/4	1,273.73	1/4	925.42	1/4	577.36	1/4	223.06	1/4		1/4		1/4		1/4	
1/2	1,982.76	1/2	1,623.19	1/2	1,266.26	1/2	918.40	1/2	569.87	1/2	215.77	1/2		1/2		1/2		1/2	
3/4	1,975.27	3/4	1,615.70	3/4	1,258.79	3/4	911.39	3/4	562.38	3/4	208.48	3/4		3/4		3/4		3/4	
1	1,967.78	1	1,608.21	1	1,251.32	1	904.37	1	554.88	1	201.20	1		1		1		1	
1/4	1,960.28	1/4	1,600.72	1/4	1,243.85	1/4	897.36	1/4	547.39	1/4	193.91	1/4		1/4		1/4		1/4	
1/2	1,952.79	1/2	1,593.23	1/2	1,236.38	1/2	890.34	1/2	539.90	1/2	186.62	1/2		1/2		1/2		1/2	
3/4	1,945.30	3/4	1,585.74	3/4	1,228.91	3/4	883.33	3/4	532.40	3/4	179.20	3/4		3/4		3/4		3/4	
2	1,937.81	2	1,578.25	2	1,221.44	2	876.32	2	524.91	2	171.77	2		2		2		2	
1/4	1,930.32	1/4	1,570.76	1/4	1,213.97	1/4	869.30	1/4	517.42	1/4	164.34	1/4		1/4		1/4		1/4	
1/2	1,922.83	1/2	1,563.27	1/2	1,206.50	1/2	862.29	1/2	509.92	1/2	156.91	1/2		1/2		1/2		1/2	
3/4	1,915.34	3/4	1,555.88	3/4	1,199.03	3/4	855.24	3/4	502.43	3/4	149.45	3/4		3/4		3/4		3/4	
3	1,907.85	3	1,548.49	3	1,191.56	3	848.20	3	494.94	3	141.99	3		3		3		3	
1/4	1,900.36	1/4	1,541.11	1/4	1,184.09	1/4	841.15	1/4	487.44	1/4	134.54	1/4		1/4		1/4		1/4	
1/2	1,892.87	1/2	1,533.72	1/2	1,176.62	1/2	834.10	1/2	479.95	1/2	127.08	1/2		1/2		1/2		1/2	
3/4	1,885.38	3/4	1,526.37	3/4	1,169.15	3/4	827.04	3/4	472.46	3/4	119.64	3/4		3/4		3/4		3/4	
4	1,877.89	4	1,519.02	4	1,161.68	4	819.97	4	464.96	4	112.20	4		4		4		4	
1/4	1,870.39	1/4	1,511.66	1/4	1,154.22	1/4	812.90	1/4	457.47	1/4	104.77	1/4		1/4		1/4		1/4	
1/2	1,862.90	1/2	1,504.31	1/2	1,146.75	1/2	805.84	1/2	449.98	1/2	97.33	1/2		1/2		1/2		1/2	
3/4	1,855.41	3/4	1,496.96	3/4	1,139.29	3/4	798.77	3/4	442.48	3/4	90.34	3/4		3/4		3/4		3/4	
5	1,847.92	5	1,489.61	5	1,131.84	5	791.70	5	434.99	5	83.35	5		5		5		5	
1/4	1,840.43	1/4	1,482.26	1/4	1,124.38	1/4	784.63	1/4	427.50	1/4	76.35	1/4		1/4		1/4		1/4	
1/2	1,832.94	1/2	1,474.90	1/2	1,116.93	1/2	777.56	1/2	420.00	1/2	69.36	1/2		1/2		1/2		1/2	
3/4	1,825.45	3/4	1,467.55	3/4	1,109.49	3/4	770.49	3/4	412.66	3/4	63.45	3/4		3/4		3/4		3/4	
6	1,817.96	6	1,460.20	6	1,102.04	6	763.42	6	405.33	6	57.54	6		6		6		6	
1/4	1,810.47	1/4	1,452.85	1/4	1,094.60	1/4	756.35	1/4	397.99	1/4	51.64	1/4		1/4		1/4		1/4	
1/2	1,802.98	1/2	1,445.50	1/2	1,087.16	1/2	749.28	1/2	390.65	1/2	45.73	1/2		1/2		1/2		1/2	
3/4	1,795.49	3/4	1,438.04	3/4	1,080.04	3/4	741.89	3/4	383.36	3/4	41.07	3/4		3/4		3/4		3/4	
7	1,787.99	7	1,430.58	7	1,072.92	7	734.51	7	376.08	7	36.41	7		7		7		7	
1/4	1,780.50	1/4	1,423.13	1/4	1,065.80	1/4	727.12	1/4	368.79	1/4	31.75	1/4		1/4		1/4		1/4	
1/2	1,773.01	1/2	1,415.67	1/2	1,058.68	1/2	719.73	1/2	361.50	1/2	27.09	1/2		1/2		1/2		1/2	
3/4	1,765.52	3/4	1,408.20	3/4	1,051.67	3/4	712.24	3/4	354.22	3/4		3/4		3/4		3/4		3/4	
8	1,758.03	8	1,400.72	8	1,044.66	8	704.75	8	346.93	8		8		8		8		8	
1/4	1,750.54	1/4	1,393.25	1/4	1,037.64	1/4	697.25	1/4	339.64	1/4		1/4		1/4		1/4		1/4	
1/2	1,743.05	1/2	1,385.77	1/2	1,030.63	1/2	689.76	1/2	332.36	1/2		1/2		1/2		1/2		1/2	
3/4	1,735.56	3/4	1,378.30	3/4	1,023.61	3/4	682.27	3/4	325.07	3/4		3/4		3/4		3/4		3/4	
9	1,728.07	9	1,370.83	9	1,016.60	9	674.78	9	317.78	9		9		9		9		9	
1/4	1,720.58	1/4	1,363.36	1/4	1,009.58	1/4	667.28	1/4	310.50	1/4		1/4		1/4		1/4		1/4	
1/2	1,713.09	1/2	1,355.89	1/2	1,002.57	1/2	659.79	1/2	303.21	1/2		1/2		1/2		1/2		1/2	
3/4	1,705.59	3/4	1,348.42	3/4	995.56	3/4	652.30	3/4	295.92	3/4		3/4		3/4		3/4		3/4	
10	1,698.10	10	1,340.96	10	988.54	10	644.80	10	288.64	10		10		10		10		10	
1/4	1,690.61	1/4	1,333.49	1/4	981.53	1/4	637.31	1/4	281.35	1/4		1/4		1/4		1/4		1/4	
1/2	1,683.12	1/2	1,326.02	1/2	974.51	1/2	629.82	1/2	274.06	1/2		1/2		1/2		1/2		1/2	
3/4	1,675.63	3/4	1,318.55	3/4	967.50	3/4	622.32	3/4	266.78	3/4		3/4		3/4		3/4		3/4	
11	1,668.14	11	1,311.08	11	960.49	11	614.83	11	259.49	11		11		11		11		11	
1/4	1,660.65	1/4	1,303.61	1/4	953.47	1/4	607.34	1/4	252.20	1/4		1/4		1/4		1/4		1/4	
1/2	1,653.16	1/2	1,296.14	1/2	946.46	1/2	599.84	1/2	244.92	1/2		1/2		1/2		1/2		1/2	
3/4	1,645.67	3/4	1,288.67	3/4	939.44	3/4	592.35	3/4	237.63	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/12/2012 CL - SW
CALCULATED: 11/13/2012 CL
PRINTED: 11/13/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2012

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

BARGE "MOC 18"

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	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8
1 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	00-3/8	- 00-3/8
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	- 00-5/8	00-5/8	- 01-1/8	01-1/8	- 01-3/4	01-3/4	- 02-1/4	02-1/4	- 02-7/8	02-7/8	- 03-3/8	03-3/8
3 STBD	- 00-5/8	00-5/8	- 01-1/8	01-1/8	- 01-3/4	01-3/4	- 02-1/4	02-1/4	- 02-7/8	02-7/8	- 03-1/2	03-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 253'-09"

November 13, 2012

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

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BARGE "MOC 18"

1 PORT

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 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	27.29	0	364.65	0	726.13	0	1,088.64	0	1,451.48	0	1,814.09	0	2,177.00	0	2,539.90	0	2,902.70	0	3,265.47
1/4	31.99	1/4	372.01	1/4	733.69	1/4	1,096.19	1/4	1,459.04	1/4	1,821.65	1/4	2,184.56	1/4	2,547.46	1/4	2,910.26	1/4	3,273.03
1/2	36.68	1/2	379.36	1/2	741.25	1/2	1,103.74	1/2	1,466.59	1/2	1,829.21	1/2	2,192.12	1/2	2,555.02	1/2	2,917.82	1/2	3,280.59
3/4	41.37	3/4	386.71	3/4	748.81	3/4	1,111.29	3/4	1,474.15	3/4	1,836.77	3/4	2,199.68	3/4	2,562.58	3/4	2,925.37	3/4	3,288.14
1	46.07	1	394.07	1	756.37	1	1,118.84	1	1,481.71	1	1,844.33	1	2,207.24	1	2,570.14	1	2,932.93	1	3,295.70
1/4	52.02	1/4	401.48	1/4	763.93	1/4	1,126.39	1/4	1,489.25	1/4	1,851.89	1/4	2,214.80	1/4	2,577.70	1/4	2,940.49	1/4	3,303.26
1/2	57.97	1/2	408.88	1/2	771.49	1/2	1,133.94	1/2	1,496.79	1/2	1,859.46	1/2	2,222.36	1/2	2,585.26	1/2	2,948.05	1/2	3,310.82
3/4	63.92	3/4	416.29	3/4	779.06	3/4	1,141.49	3/4	1,504.33	3/4	1,867.02	3/4	2,229.92	3/4	2,592.82	3/4	2,955.60	3/4	3,318.37
2	69.88	2	423.69	2	786.62	2	1,149.05	2	1,511.88	2	1,874.58	2	2,237.48	2	2,600.38	2	2,963.16	2	3,325.93
1/4	76.92	1/4	431.25	1/4	794.18	1/4	1,156.61	1/4	1,519.42	1/4	1,882.14	1/4	2,245.04	1/4	2,607.94	1/4	2,970.72	1/4	3,333.49
1/2	83.97	1/2	438.82	1/2	801.74	1/2	1,164.17	1/2	1,526.96	1/2	1,889.70	1/2	2,252.60	1/2	2,615.50	1/2	2,978.28	1/2	3,341.05
3/4	91.02	3/4	446.38	3/4	809.30	3/4	1,171.73	3/4	1,534.50	3/4	1,897.26	3/4	2,260.16	3/4	2,623.06	3/4	2,985.84	3/4	3,348.60
3	98.06	3	453.94	3	816.86	3	1,179.29	3	1,542.04	3	1,904.82	3	2,267.72	3	2,630.62	3	2,993.39	3	3,356.16
1/4	105.56	1/4	461.50	1/4	824.42	1/4	1,186.85	1/4	1,549.59	1/4	1,912.38	1/4	2,275.28	1/4	2,638.18	1/4	3,000.95	1/4	3,363.72
1/2	113.06	1/2	469.06	1/2	831.97	1/2	1,194.41	1/2	1,557.13	1/2	1,919.94	1/2	2,282.84	1/2	2,645.74	1/2	3,008.51	1/2	3,371.28
3/4	120.56	3/4	476.62	3/4	839.53	3/4	1,201.97	3/4	1,564.67	3/4	1,927.50	3/4	2,290.40	3/4	2,653.30	3/4	3,016.07	3/4	3,378.84
4	128.06	4	484.18	4	847.09	4	1,209.53	4	1,572.21	4	1,935.06	4	2,297.96	4	2,660.85	4	3,023.62	4	3,386.39
1/4	135.59	1/4	491.74	1/4	854.64	1/4	1,217.09	1/4	1,579.76	1/4	1,942.62	1/4	2,305.52	1/4	2,668.41	1/4	3,031.18	1/4	3,393.95
1/2	143.11	1/2	499.30	1/2	862.19	1/2	1,224.66	1/2	1,587.31	1/2	1,950.18	1/2	2,313.09	1/2	2,675.97	1/2	3,038.74	1/2	3,401.51
3/4	150.64	3/4	506.87	3/4	869.73	3/4	1,232.22	3/4	1,594.85	3/4	1,957.74	3/4	2,320.65	3/4	2,683.53	3/4	3,046.30	3/4	3,409.07
5	158.16	5	514.43	5	877.28	5	1,239.78	5	1,602.40	5	1,965.30	5	2,328.21	5	2,691.08	5	3,053.85	5	3,416.62
1/4	165.66	1/4	521.99	1/4	884.83	1/4	1,247.34	1/4	1,609.96	1/4	1,972.86	1/4	2,335.77	1/4	2,698.64	1/4	3,061.41	1/4	3,424.18
1/2	173.16	1/2	529.55	1/2	892.38	1/2	1,254.90	1/2	1,617.52	1/2	1,980.42	1/2	2,343.33	1/2	2,706.20	1/2	3,068.97	1/2	3,431.74
3/4	180.65	3/4	537.11	3/4	899.93	3/4	1,262.46	3/4	1,625.08	3/4	1,987.98	3/4	2,350.89	3/4	2,713.76	3/4	3,076.53	3/4	3,439.30
6	188.15	6	544.67	6	907.48	6	1,270.02	6	1,632.64	6	1,995.54	6	2,358.45	6	2,721.32	6	3,084.09	6	3,446.85
1/4	195.50	1/4	552.23	1/4	915.03	1/4	1,277.58	1/4	1,640.20	1/4	2,003.10	1/4	2,366.01	1/4	2,728.87	1/4	3,091.64	1/4	3,454.41
1/2	202.86	1/2	559.79	1/2	922.57	1/2	1,285.14	1/2	1,647.76	1/2	2,010.67	1/2	2,373.57	1/2	2,736.43	1/2	3,099.20	1/2	3,461.97
3/4	210.21	3/4	567.35	3/4	930.12	3/4	1,292.70	3/4	1,655.32	3/4	2,018.23	3/4	2,381.13	3/4	2,743.99	3/4	3,106.76	3/4	3,469.53
7	217.57	7	574.92	7	937.67	7	1,300.26	7	1,662.88	7	2,025.79	7	2,388.69	7	2,751.55	7	3,114.32	7	3,477.09
1/4	224.92	1/4	582.48	1/4	945.22	1/4	1,307.82	1/4	1,670.44	1/4	2,033.35	1/4	2,396.25	1/4	2,759.10	1/4	3,121.87	1/4	3,484.64
1/2	232.27	1/2	590.04	1/2	952.77	1/2	1,315.39	1/2	1,678.00	1/2	2,040.91	1/2	2,403.81	1/2	2,766.66	1/2	3,129.43	1/2	3,492.20
3/4	239.63	3/4	597.60	3/4	960.32	3/4	1,322.95	3/4	1,685.56	3/4	2,048.47	3/4	2,411.37	3/4	2,774.22	3/4	3,136.99	3/4	3,499.76
8	246.98	8	605.16	8	967.87	8	1,330.51	8	1,693.12	8	2,056.03	8	2,418.93	8	2,781.78	8	3,144.55	8	3,507.32
1/4	254.34	1/4	612.72	1/4	975.42	1/4	1,338.07	1/4	1,700.68	1/4	2,063.59	1/4	2,426.49	1/4	2,789.33	1/4	3,152.10	1/4	3,514.87
1/2	261.69	1/2	620.28	1/2	982.96	1/2	1,345.63	1/2	1,708.25	1/2	2,071.15	1/2	2,434.05	1/2	2,796.89	1/2	3,159.66	1/2	3,522.43
3/4	269.05	3/4	627.84	3/4	990.51	3/4	1,353.19	3/4	1,715.81	3/4	2,078.71	3/4	2,441.61	3/4	2,804.45	3/4	3,167.22	3/4	3,529.99
9	276.40	9	635.40	9	998.06	9	1,360.75	9	1,723.37	9	2,086.27	9	2,449.17	9	2,812.01	9	3,174.78	9	3,537.55
1/4	283.75	1/4	642.96	1/4	1,005.61	1/4	1,368.31	1/4	1,730.93	1/4	2,093.83	1/4	2,456.73	1/4	2,819.57	1/4	3,182.34	1/4	3,545.10
1/2	291.11	1/2	650.53	1/2	1,013.16	1/2	1,375.87	1/2	1,738.49	1/2	2,101.39	1/2	2,464.30	1/2	2,827.12	1/2	3,189.89	1/2	3,552.66
3/4	298.46	3/4	658.09	3/4	1,020.71	3/4	1,383.43	3/4	1,746.05	3/4	2,108.95	3/4	2,471.86	3/4	2,834.68	3/4	3,197.45	3/4	3,560.22
10	305.82	10	665.65	10	1,028.26	10	1,390.99	10	1,753.61	10	2,116.51	10	2,479.42	10	2,842.24	10	3,205.01	10	3,567.78
1/4	313.17	1/4	673.21	1/4	1,035.80	1/4	1,398.56	1/4	1,761.17	1/4	2,124.07	1/4	2,486.98	1/4	2,849.80	1/4	3,212.57	1/4	3,575.34
1/2	320.53	1/2	680.77	1/2	1,043.35	1/2	1,406.12	1/2	1,768.73	1/2	2,131.63	1/2	2,494.54	1/2	2,857.35	1/2	3,220.12	1/2	3,582.89
3/4	327.88	3/4	688.33	3/4	1,050.90	3/4	1,413.68	3/4	1,776.29	3/4	2,139.19	3/4	2,502.10	3/4	2,864.91	3/4	3,227.68	3/4	3,590.45
11	335.23	11	695.89	11	1,058.45	11	1,421.24	11	1,783.85	11	2,146.75	11	2,509.66	11	2,872.47	11	3,235.24	11	3,598.01
1/4	342.59	1/4	703.45	1/4	1,066.00	1/4	1,428.80	1/4	1,791.41	1/4	2,154.31	1/4	2,517.22	1/4	2,880.03	1/4	3,242.80	1/4	3,605.57
1/2	349.94	1/2	711.01	1/2	1,073.55	1/2	1,436.36	1/2	1,798.97	1/2	2,161.88	1/2	2,524.78	1/2	2,887.59	1/2	3,250.35	1/2	3,613.12
3/4	357.30	3/4	718.57	3/4	1,081.10	3/4	1,443.92	3/4	1,806.53	3/4	2,169.44	3/4	2,532.34	3/4	2,895.14	3/4	3,257.91	3/4	3,620.68

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 THE 2" CAP ON "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "MOC 18"

1 PORT

INNAGE TABLE

GAUGE HEIGHT 15'-07 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	3,628.24	0	3,991.01	0	4,353.78	0	4,716.57	0	5,078.63	0		0		0		0		0	
1/4	3,635.80	1/4	3,998.57	1/4	4,361.34	1/4	4,724.13	1/4	5,086.15	1/4		1/4		1/4		1/4		1/4	
1/2	3,643.35	1/2	4,006.12	1/2	4,368.89	1/2	4,731.69	1/2	5,093.67	1/2		1/2		1/2		1/2		1/2	
3/4	3,650.91	3/4	4,013.68	3/4	4,376.45	3/4	4,739.25	3/4	5,101.19	3/4		3/4		3/4		3/4		3/4	
1	3,658.47	1	4,021.24	1	4,384.01	1	4,746.81	1	5,108.71	1		1		1		1		1	
1/4	3,666.03	1/4	4,028.80	1/4	4,391.57	1/4	4,754.37	1/4	5,116.19	1/4		1/4		1/4		1/4		1/4	
1/2	3,673.59	1/2	4,036.36	1/2	4,399.12	1/2	4,761.93	1/2	5,123.67	1/2		1/2		1/2		1/2		1/2	
3/4	3,681.14	3/4	4,043.91	3/4	4,406.68	3/4	4,769.49	3/4	5,131.15	3/4		3/4		3/4		3/4		3/4	
2	3,688.70	2	4,051.47	2	4,414.24	2	4,777.05	2	5,138.63	2		2		2		2		2	
1/4	3,696.26	1/4	4,059.03	1/4	4,421.80	1/4	4,784.61	1/4	5,146.11	1/4		1/4		1/4		1/4		1/4	
1/2	3,703.82	1/2	4,066.59	1/2	4,429.36	1/2	4,792.17	1/2	5,153.59	1/2		1/2		1/2		1/2		1/2	
3/4	3,711.37	3/4	4,074.14	3/4	4,436.91	3/4	4,799.73	3/4	5,161.07	3/4		3/4		3/4		3/4		3/4	
3	3,718.93	3	4,081.70	3	4,444.47	3	4,807.30	3	5,168.55	3		3		3		3		3	
1/4	3,726.49	1/4	4,089.26	1/4	4,452.03	1/4	4,814.86	1/4	5,176.03	1/4		1/4		1/4		1/4		1/4	
1/2	3,734.05	1/2	4,096.82	1/2	4,459.59	1/2	4,822.42	1/2	5,183.50	1/2		1/2		1/2		1/2		1/2	
3/4	3,741.61	3/4	4,104.37	3/4	4,467.14	3/4	4,829.98	3/4	5,190.98	3/4		3/4		3/4		3/4		3/4	
4	3,749.16	4	4,111.93	4	4,474.70	4	4,837.54	4	5,198.45	4		4		4		4		4	
1/4	3,756.72	1/4	4,119.49	1/4	4,482.26	1/4	4,845.09	1/4	5,205.87	1/4		1/4		1/4		1/4		1/4	
1/2	3,764.28	1/2	4,127.05	1/2	4,489.82	1/2	4,852.64	1/2	5,213.30	1/2		1/2		1/2		1/2		1/2	
3/4	3,771.84	3/4	4,134.61	3/4	4,497.38	3/4	4,860.20	3/4	5,220.72	3/4		3/4		3/4		3/4		3/4	
5	3,779.39	5	4,142.16	5	4,504.93	5	4,867.75	5	5,228.14	5		5		5		5		5	
1/4	3,786.95	1/4	4,149.72	1/4	4,512.49	1/4	4,875.28	1/4	5,235.18	1/4		1/4		1/4		1/4		1/4	
1/2	3,794.51	1/2	4,157.28	1/2	4,520.05	1/2	4,882.81	1/2	5,242.21	1/2		1/2		1/2		1/2		1/2	
3/4	3,802.07	3/4	4,164.84	3/4	4,527.61	3/4	4,890.34	3/4	5,249.24	3/4		3/4		3/4		3/4		3/4	
6	3,809.62	6	4,172.39	6	4,535.16	6	4,897.88	6	5,256.27	6		6		6		6		6	
1/4	3,817.18	1/4	4,179.95	1/4	4,542.72	1/4	4,905.41	1/4	5,262.18	1/4		1/4		1/4		1/4		1/4	
1/2	3,824.74	1/2	4,187.51	1/2	4,550.28	1/2	4,912.94	1/2	5,268.09	1/2		1/2		1/2		1/2		1/2	
3/4	3,832.30	3/4	4,195.07	3/4	4,557.84	3/4	4,920.47	3/4	5,274.00	3/4		3/4		3/4		3/4		3/4	
7	3,839.86	7	4,202.62	7	4,565.39	7	4,928.00	7	5,279.90	7		7		7		7		7	
1/4	3,847.41	1/4	4,210.18	1/4	4,572.95	1/4	4,935.53	1/4	5,284.55	1/4		1/4		1/4		1/4		1/4	
1/2	3,854.97	1/2	4,217.74	1/2	4,580.51	1/2	4,943.06	1/2	5,289.20	1/2		1/2		1/2		1/2		1/2	
3/4	3,862.53	3/4	4,225.30	3/4	4,588.07	3/4	4,950.60	3/4	5,293.85	3/4		3/4		3/4		3/4		3/4	
8	3,870.09	8	4,232.86	8	4,595.63	8	4,958.13	8		8		8		8		8		8	
1/4	3,877.64	1/4	4,240.41	1/4	4,603.18	1/4	4,965.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,885.20	1/2	4,247.97	1/2	4,610.74	1/2	4,973.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,892.76	3/4	4,255.53	3/4	4,618.30	3/4	4,980.72	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,900.32	9	4,263.09	9	4,625.86	9	4,988.25	9		9		9		9		9		9	
1/4	3,907.87	1/4	4,270.64	1/4	4,633.41	1/4	4,995.78	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,915.43	1/2	4,278.20	1/2	4,640.97	1/2	5,003.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,922.99	3/4	4,285.76	3/4	4,648.53	3/4	5,010.85	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,930.55	10	4,293.32	10	4,656.09	10	5,018.38	10		10		10		10		10		10	
1/4	3,938.11	1/4	4,300.87	1/4	4,663.65	1/4	5,025.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,945.66	1/2	4,308.43	1/2	4,671.21	1/2	5,033.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,953.22	3/4	4,315.99	3/4	4,678.77	3/4	5,040.97	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,960.78	11	4,323.55	11	4,686.33	11	5,048.50	11		11		11		11		11		11	
1/4	3,968.34	1/4	4,331.11	1/4	4,693.89	1/4	5,056.03	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,975.89	1/2	4,338.66	1/2	4,701.45	1/2	5,063.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,983.45	3/4	4,346.22	3/4	4,709.01	3/4	5,071.10	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/12/2012 CL - SW
CALCULATED: 11/13/2012 CL
PRINTED: 11/13/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2012

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

BARGE "MOC 18"

1 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 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	27.31	0	364.83	0	726.48	0	1,087.39	0	1,450.29	0	1,813.07	0	2,176.15	0	2,539.22	0	2,902.30	0	3,265.38
1/4	32.00	1/4	372.19	1/4	734.04	1/4	1,094.92	1/4	1,457.85	1/4	1,820.63	1/4	2,183.71	1/4	2,546.79	1/4	2,909.86	1/4	3,272.94
1/2	36.70	1/2	379.54	1/2	741.59	1/2	1,102.44	1/2	1,465.41	1/2	1,828.20	1/2	2,191.28	1/2	2,554.35	1/2	2,917.43	1/2	3,280.51
3/4	41.39	3/4	386.90	3/4	749.15	3/4	1,109.96	3/4	1,472.97	3/4	1,835.76	3/4	2,198.84	3/4	2,561.92	3/4	2,924.99	3/4	3,288.07
1	46.09	1	394.26	1	756.70	1	1,117.48	1	1,480.53	1	1,843.33	1	2,206.40	1	2,569.48	1	2,932.56	1	3,295.63
1/4	52.04	1/4	401.67	1/4	764.22	1/4	1,125.04	1/4	1,488.07	1/4	1,850.89	1/4	2,213.97	1/4	2,577.04	1/4	2,940.12	1/4	3,303.20
1/2	58.00	1/2	409.08	1/2	771.75	1/2	1,132.60	1/2	1,495.62	1/2	1,858.45	1/2	2,221.53	1/2	2,584.61	1/2	2,947.69	1/2	3,310.76
3/4	63.96	3/4	416.49	3/4	779.27	3/4	1,140.15	3/4	1,503.16	3/4	1,866.02	3/4	2,229.10	3/4	2,592.17	3/4	2,955.25	3/4	3,318.33
2	69.91	2	423.90	2	786.80	2	1,147.71	2	1,510.71	2	1,873.58	2	2,236.66	2	2,599.74	2	2,962.81	2	3,325.89
1/4	76.96	1/4	431.46	1/4	794.32	1/4	1,155.27	1/4	1,518.25	1/4	1,881.15	1/4	2,244.22	1/4	2,607.30	1/4	2,970.38	1/4	3,333.45
1/2	84.01	1/2	439.03	1/2	801.85	1/2	1,162.83	1/2	1,525.80	1/2	1,888.71	1/2	2,251.79	1/2	2,614.86	1/2	2,977.94	1/2	3,341.02
3/4	91.06	3/4	446.59	3/4	809.37	3/4	1,170.40	3/4	1,533.35	3/4	1,896.28	3/4	2,259.35	3/4	2,622.43	3/4	2,985.51	3/4	3,348.58
3	98.11	3	454.16	3	816.90	3	1,177.96	3	1,540.89	3	1,903.84	3	2,266.92	3	2,629.99	3	2,993.07	3	3,356.15
1/4	105.61	1/4	461.72	1/4	824.42	1/4	1,185.53	1/4	1,548.44	1/4	1,911.40	1/4	2,274.48	1/4	2,637.56	1/4	3,000.63	1/4	3,363.71
1/2	113.12	1/2	469.29	1/2	831.94	1/2	1,193.09	1/2	1,555.98	1/2	1,918.97	1/2	2,282.04	1/2	2,645.12	1/2	3,008.20	1/2	3,371.27
3/4	120.62	3/4	476.85	3/4	839.46	3/4	1,200.66	3/4	1,563.53	3/4	1,926.53	3/4	2,289.61	3/4	2,652.69	3/4	3,015.76	3/4	3,378.84
4	128.12	4	484.42	4	846.99	4	1,208.22	4	1,571.07	4	1,934.10	4	2,297.17	4	2,660.25	4	3,023.33	4	3,386.40
1/4	135.65	1/4	491.98	1/4	854.50	1/4	1,215.79	1/4	1,578.62	1/4	1,941.66	1/4	2,304.74	1/4	2,667.81	1/4	3,030.89	1/4	3,393.97
1/2	143.18	1/2	499.55	1/2	862.01	1/2	1,223.35	1/2	1,586.18	1/2	1,949.22	1/2	2,312.30	1/2	2,675.38	1/2	3,038.45	1/2	3,401.53
3/4	150.71	3/4	507.11	3/4	869.52	3/4	1,230.92	3/4	1,593.73	3/4	1,956.79	3/4	2,319.86	3/4	2,682.94	3/4	3,046.02	3/4	3,409.10
5	158.24	5	514.68	5	877.04	5	1,238.48	5	1,601.28	5	1,964.35	5	2,327.43	5	2,690.51	5	3,053.58	5	3,416.66
1/4	165.74	1/4	522.24	1/4	884.55	1/4	1,246.04	1/4	1,608.84	1/4	1,971.92	1/4	2,334.99	1/4	2,698.07	1/4	3,061.15	1/4	3,424.22
1/2	173.24	1/2	529.81	1/2	892.06	1/2	1,253.61	1/2	1,616.40	1/2	1,979.48	1/2	2,342.56	1/2	2,705.63	1/2	3,068.71	1/2	3,431.79
3/4	180.74	3/4	537.37	3/4	899.57	3/4	1,261.17	3/4	1,623.97	3/4	1,987.04	3/4	2,350.12	3/4	2,713.20	3/4	3,076.27	3/4	3,439.35
6	188.24	6	544.94	6	907.09	6	1,268.74	6	1,631.53	6	1,994.61	6	2,357.69	6	2,720.76	6	3,083.84	6	3,446.92
1/4	195.60	1/4	552.50	1/4	914.60	1/4	1,276.30	1/4	1,639.10	1/4	2,002.17	1/4	2,365.25	1/4	2,728.33	1/4	3,091.40	1/4	3,454.48
1/2	202.96	1/2	560.06	1/2	922.11	1/2	1,283.87	1/2	1,646.66	1/2	2,009.74	1/2	2,372.81	1/2	2,735.89	1/2	3,098.97	1/2	3,462.04
3/4	210.31	3/4	567.63	3/4	929.63	3/4	1,291.43	3/4	1,654.22	3/4	2,017.30	3/4	2,380.38	3/4	2,743.45	3/4	3,106.53	3/4	3,469.61
7	217.67	7	575.19	7	937.14	7	1,299.00	7	1,661.79	7	2,024.87	7	2,387.94	7	2,751.02	7	3,114.10	7	3,477.17
1/4	225.03	1/4	582.76	1/4	944.65	1/4	1,306.56	1/4	1,669.35	1/4	2,032.43	1/4	2,395.51	1/4	2,758.58	1/4	3,121.66	1/4	3,484.74
1/2	232.39	1/2	590.32	1/2	952.16	1/2	1,314.12	1/2	1,676.92	1/2	2,039.99	1/2	2,403.07	1/2	2,766.15	1/2	3,129.22	1/2	3,492.30
3/4	239.74	3/4	597.89	3/4	959.68	3/4	1,321.69	3/4	1,684.48	3/4	2,047.56	3/4	2,410.63	3/4	2,773.71	3/4	3,136.79	3/4	3,499.86
8	247.10	8	605.45	8	967.19	8	1,329.25	8	1,692.04	8	2,055.12	8	2,418.20	8	2,781.28	8	3,144.35	8	3,507.43
1/4	254.46	1/4	613.02	1/4	974.70	1/4	1,336.82	1/4	1,699.61	1/4	2,062.69	1/4	2,425.76	1/4	2,788.84	1/4	3,151.92	1/4	3,514.99
1/2	261.82	1/2	620.58	1/2	982.22	1/2	1,344.38	1/2	1,707.17	1/2	2,070.25	1/2	2,433.33	1/2	2,796.40	1/2	3,159.48	1/2	3,522.56
3/4	269.18	3/4	628.15	3/4	989.73	3/4	1,351.95	3/4	1,714.74	3/4	2,077.81	3/4	2,440.89	3/4	2,803.97	3/4	3,167.04	3/4	3,530.12
9	276.53	9	635.71	9	997.24	9	1,359.51	9	1,722.30	9	2,085.38	9	2,448.45	9	2,811.53	9	3,174.61	9	3,537.69
1/4	283.89	1/4	643.28	1/4	1,004.75	1/4	1,367.08	1/4	1,729.87	1/4	2,092.94	1/4	2,456.02	1/4	2,819.10	1/4	3,182.17	1/4	3,545.25
1/2	291.25	1/2	650.84	1/2	1,012.27	1/2	1,374.64	1/2	1,737.43	1/2	2,100.51	1/2	2,463.58	1/2	2,826.66	1/2	3,189.74	1/2	3,552.81
3/4	298.61	3/4	658.40	3/4	1,019.78	3/4	1,382.21	3/4	1,744.99	3/4	2,108.07	3/4	2,471.15	3/4	2,834.22	3/4	3,197.30	3/4	3,560.38
10	305.97	10	665.97	10	1,027.29	10	1,389.77	10	1,752.56	10	2,115.63	10	2,478.71	10	2,841.79	10	3,204.86	10	3,567.94
1/4	313.32	1/4	673.53	1/4	1,034.81	1/4	1,397.33	1/4	1,760.12	1/4	2,123.20	1/4	2,486.28	1/4	2,849.35	1/4	3,212.43	1/4	3,575.51
1/2	320.68	1/2	681.10	1/2	1,042.32	1/2	1,404.90	1/2	1,767.69	1/2	2,130.76	1/2	2,493.84	1/2	2,856.92	1/2	3,219.99	1/2	3,583.07
3/4	328.04	3/4	688.66	3/4	1,049.83	3/4	1,412.46	3/4	1,775.25	3/4	2,138.33	3/4	2,501.40	3/4	2,864.48	3/4	3,227.56	3/4	3,590.63
11	335.40	11	696.23	11	1,057.34	11	1,420.03	11	1,782.81	11	2,145.89	11	2,508.97	11	2,872.04	11	3,235.12	11	3,598.20
1/4	342.76	1/4	703.79	1/4	1,064.86	1/4	1,427.59	1/4	1,790.38	1/4	2,153.45	1/4	2,516.53	1/4	2,879.61	1/4	3,242.69	1/4	3,605.76
1/2	350.11	1/2	711.35	1/2	1,072.37	1/2	1,435.16	1/2	1,797.94	1/2	2,161.02	1/2	2,524.10	1/2	2,887.17	1/2	3,250.25	1/2	3,613.33
3/4	357.47	3/4	718.92	3/4	1,079.88	3/4	1,442.72	3/4	1,805.51	3/4	2,168.58	3/4	2,531.66	3/4	2,894.74	3/4	3,257.81	3/4	3,620.89

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 THE 2" CAP ON "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

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

BARGE "MOC 18"

1 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 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	3,628.45	0	3,991.53	0	4,354.61	0	4,717.68	0	5,079.93	0		0		0		0		0	
1/4	3,636.02	1/4	3,999.10	1/4	4,362.17	1/4	4,725.25	1/4	5,087.45	1/4		1/4		1/4		1/4		1/4	
1/2	3,643.58	1/2	4,006.66	1/2	4,369.74	1/2	4,732.81	1/2	5,094.97	1/2		1/2		1/2		1/2		1/2	
3/4	3,651.15	3/4	4,014.22	3/4	4,377.30	3/4	4,740.38	3/4	5,102.50	3/4		3/4		3/4		3/4		3/4	
1	3,658.71	1	4,021.79	1	4,384.86	1	4,747.94	1	5,110.02	1		1		1		1		1	
1/4	3,666.27	1/4	4,029.35	1/4	4,392.43	1/4	4,755.51	1/4	5,117.50	1/4		1/4		1/4		1/4		1/4	
1/2	3,673.84	1/2	4,036.92	1/2	4,399.99	1/2	4,763.07	1/2	5,124.99	1/2		1/2		1/2		1/2		1/2	
3/4	3,681.40	3/4	4,044.48	3/4	4,407.56	3/4	4,770.63	3/4	5,132.47	3/4		3/4		3/4		3/4		3/4	
2	3,688.97	2	4,052.04	2	4,415.12	2	4,778.20	2	5,139.96	2		2		2		2		2	
1/4	3,696.53	1/4	4,059.61	1/4	4,422.68	1/4	4,785.76	1/4	5,147.44	1/4		1/4		1/4		1/4		1/4	
1/2	3,704.10	1/2	4,067.17	1/2	4,430.25	1/2	4,793.33	1/2	5,154.93	1/2		1/2		1/2		1/2		1/2	
3/4	3,711.66	3/4	4,074.74	3/4	4,437.81	3/4	4,800.89	3/4	5,162.41	3/4		3/4		3/4		3/4		3/4	
3	3,719.22	3	4,082.30	3	4,445.38	3	4,808.45	3	5,169.90	3		3		3		3		3	
1/4	3,726.79	1/4	4,089.86	1/4	4,452.94	1/4	4,816.02	1/4	5,177.37	1/4		1/4		1/4		1/4		1/4	
1/2	3,734.35	1/2	4,097.43	1/2	4,460.51	1/2	4,823.58	1/2	5,184.85	1/2		1/2		1/2		1/2		1/2	
3/4	3,741.92	3/4	4,104.99	3/4	4,468.07	3/4	4,831.15	3/4	5,192.33	3/4		3/4		3/4		3/4		3/4	
4	3,749.48	4	4,112.56	4	4,475.63	4	4,838.71	4	5,199.81	4		4		4		4		4	
1/4	3,757.04	1/4	4,120.12	1/4	4,483.20	1/4	4,846.27	1/4	5,207.24	1/4		1/4		1/4		1/4		1/4	
1/2	3,764.61	1/2	4,127.68	1/2	4,490.76	1/2	4,853.83	1/2	5,214.66	1/2		1/2		1/2		1/2		1/2	
3/4	3,772.17	3/4	4,135.25	3/4	4,498.33	3/4	4,861.39	3/4	5,222.09	3/4		3/4		3/4		3/4		3/4	
5	3,779.74	5	4,142.81	5	4,505.89	5	4,868.95	5	5,229.52	5		5		5		5		5	
1/4	3,787.30	1/4	4,150.38	1/4	4,513.45	1/4	4,876.48	1/4	5,236.55	1/4		1/4		1/4		1/4		1/4	
1/2	3,794.86	1/2	4,157.94	1/2	4,521.02	1/2	4,884.02	1/2	5,243.59	1/2		1/2		1/2		1/2		1/2	
3/4	3,802.43	3/4	4,165.51	3/4	4,528.58	3/4	4,891.55	3/4	5,250.62	3/4		3/4		3/4		3/4		3/4	
6	3,809.99	6	4,173.07	6	4,536.15	6	4,899.09	6	5,257.66	6		6		6		6		6	
1/4	3,817.56	1/4	4,180.63	1/4	4,543.71	1/4	4,906.62	1/4	5,263.57	1/4		1/4		1/4		1/4		1/4	
1/2	3,825.12	1/2	4,188.20	1/2	4,551.27	1/2	4,914.16	1/2	5,269.48	1/2		1/2		1/2		1/2		1/2	
3/4	3,832.68	3/4	4,195.76	3/4	4,558.84	3/4	4,921.69	3/4	5,275.39	3/4		3/4		3/4		3/4		3/4	
7	3,840.25	7	4,203.33	7	4,566.40	7	4,929.23	7	5,281.30	7		7		7		7		7	
1/4	3,847.81	1/4	4,210.89	1/4	4,573.97	1/4	4,936.76	1/4	5,285.95	1/4		1/4		1/4		1/4		1/4	
1/2	3,855.38	1/2	4,218.45	1/2	4,581.53	1/2	4,944.30	1/2	5,290.60	1/2		1/2		1/2		1/2		1/2	
3/4	3,862.94	3/4	4,226.02	3/4	4,589.09	3/4	4,951.83	3/4	5,295.25	3/4		3/4		3/4		3/4		3/4	
8	3,870.51	8	4,233.58	8	4,596.66	8	4,959.37	8		8		8		8		8		8	
1/4	3,878.07	1/4	4,241.15	1/4	4,604.22	1/4	4,966.90	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,885.63	1/2	4,248.71	1/2	4,611.79	1/2	4,974.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,893.20	3/4	4,256.27	3/4	4,619.35	3/4	4,981.97	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,900.76	9	4,263.84	9	4,626.92	9	4,989.51	9		9		9		9		9		9	
1/4	3,908.33	1/4	4,271.40	1/4	4,634.48	1/4	4,997.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,915.89	1/2	4,278.97	1/2	4,642.04	1/2	5,004.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,923.45	3/4	4,286.53	3/4	4,649.61	3/4	5,012.11	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,931.02	10	4,294.10	10	4,657.17	10	5,019.65	10		10		10		10		10		10	
1/4	3,938.58	1/4	4,301.66	1/4	4,664.74	1/4	5,027.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,946.15	1/2	4,309.22	1/2	4,672.30	1/2	5,034.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,953.71	3/4	4,316.79	3/4	4,679.86	3/4	5,042.25	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,961.27	11	4,324.35	11	4,687.43	11	5,049.79	11		11		11		11		11		11	
1/4	3,968.84	1/4	4,331.92	1/4	4,694.99	1/4	5,057.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,976.40	1/2	4,339.48	1/2	4,702.56	1/2	5,064.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,983.97	3/4	4,347.04	3/4	4,710.12	3/4	5,072.39	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/12/2012 CL - SW
CALCULATED: 11/13/2012 CL
PRINTED: 11/13/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2012

PRECISION MEASUREMENT
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BARGE "MOC 18"

2 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	27.21	0	363.50	0	723.84	0	1,085.23	0	1,446.93	0	1,806.82	0	2,168.61	0	2,530.40	0	2,892.09	0	3,253.75
1/4	31.89	1/4	370.83	1/4	731.38	1/4	1,092.75	1/4	1,454.44	1/4	1,814.36	1/4	2,176.15	1/4	2,537.94	1/4	2,899.63	1/4	3,261.29
1/2	36.57	1/2	378.16	1/2	738.92	1/2	1,100.28	1/2	1,461.95	1/2	1,821.90	1/2	2,183.69	1/2	2,545.48	1/2	2,907.16	1/2	3,268.82
3/4	41.24	3/4	385.49	3/4	746.46	3/4	1,107.80	3/4	1,469.46	3/4	1,829.44	3/4	2,191.23	3/4	2,553.02	3/4	2,914.70	3/4	3,276.35
1	45.92	1	392.82	1	753.99	1	1,115.33	1	1,476.96	1	1,836.97	1	2,198.76	1	2,560.55	1	2,922.23	1	3,283.89
1/4	51.86	1/4	400.20	1/4	761.53	1/4	1,122.85	1/4	1,484.38	1/4	1,844.51	1/4	2,206.30	1/4	2,568.09	1/4	2,929.77	1/4	3,291.42
1/2	57.79	1/2	407.58	1/2	769.07	1/2	1,130.38	1/2	1,491.80	1/2	1,852.05	1/2	2,213.84	1/2	2,575.63	1/2	2,937.30	1/2	3,298.96
3/4	63.73	3/4	414.97	3/4	776.60	3/4	1,137.91	3/4	1,499.22	3/4	1,859.58	3/4	2,221.38	3/4	2,583.17	3/4	2,944.84	3/4	3,306.49
2	69.66	2	422.35	2	784.14	2	1,145.44	2	1,506.64	2	1,867.12	2	2,228.91	2	2,590.70	2	2,952.37	2	3,314.03
1/4	76.68	1/4	429.89	1/4	791.68	1/4	1,152.98	1/4	1,514.06	1/4	1,874.66	1/4	2,236.45	1/4	2,598.24	1/4	2,959.91	1/4	3,321.56
1/2	83.71	1/2	437.42	1/2	799.21	1/2	1,160.51	1/2	1,521.47	1/2	1,882.20	1/2	2,243.99	1/2	2,605.78	1/2	2,967.44	1/2	3,329.10
3/4	90.73	3/4	444.96	3/4	806.75	3/4	1,168.05	3/4	1,528.89	3/4	1,889.73	3/4	2,251.52	3/4	2,613.32	3/4	2,974.97	3/4	3,336.63
3	97.76	3	452.50	3	814.29	3	1,175.59	3	1,536.31	3	1,897.27	3	2,259.06	3	2,620.85	3	2,982.51	3	3,344.16
1/4	105.23	1/4	460.04	1/4	821.82	1/4	1,183.13	1/4	1,543.73	1/4	1,904.81	1/4	2,266.60	1/4	2,628.39	1/4	2,990.04	1/4	3,351.70
1/2	112.71	1/2	467.57	1/2	829.36	1/2	1,190.66	1/2	1,551.15	1/2	1,912.35	1/2	2,274.14	1/2	2,635.92	1/2	2,997.58	1/2	3,359.23
3/4	120.19	3/4	475.11	3/4	836.89	3/4	1,198.20	3/4	1,558.57	3/4	1,919.88	3/4	2,281.67	3/4	2,643.46	3/4	3,005.11	3/4	3,366.77
4	127.66	4	482.65	4	844.43	4	1,205.74	4	1,565.99	4	1,927.42	4	2,289.21	4	2,650.99	4	3,012.65	4	3,374.30
1/4	135.16	1/4	490.19	1/4	851.95	1/4	1,213.28	1/4	1,573.43	1/4	1,934.96	1/4	2,296.75	1/4	2,658.53	1/4	3,020.18	1/4	3,381.84
1/2	142.67	1/2	497.72	1/2	859.48	1/2	1,220.81	1/2	1,580.88	1/2	1,942.49	1/2	2,304.29	1/2	2,666.06	1/2	3,027.72	1/2	3,389.37
3/4	150.17	3/4	505.26	3/4	867.00	3/4	1,228.35	3/4	1,588.33	3/4	1,950.03	3/4	2,311.82	3/4	2,673.59	3/4	3,035.25	3/4	3,396.91
5	157.67	5	512.80	5	874.53	5	1,235.89	5	1,595.78	5	1,957.57	5	2,319.36	5	2,681.13	5	3,042.78	5	3,404.44
1/4	165.14	1/4	520.34	1/4	882.05	1/4	1,243.42	1/4	1,603.32	1/4	1,965.11	1/4	2,326.90	1/4	2,688.66	1/4	3,050.32	1/4	3,411.98
1/2	172.61	1/2	527.87	1/2	889.58	1/2	1,250.96	1/2	1,610.85	1/2	1,972.64	1/2	2,334.43	1/2	2,696.20	1/2	3,057.85	1/2	3,419.51
3/4	180.09	3/4	535.41	3/4	897.10	3/4	1,258.50	3/4	1,618.39	3/4	1,980.18	3/4	2,341.97	3/4	2,703.73	3/4	3,065.39	3/4	3,427.04
6	187.56	6	542.95	6	904.63	6	1,266.04	6	1,625.93	6	1,987.72	6	2,349.51	6	2,711.27	6	3,072.92	6	3,434.58
1/4	194.89	1/4	550.49	1/4	912.15	1/4	1,273.57	1/4	1,633.47	1/4	1,995.26	1/4	2,357.05	1/4	2,718.80	1/4	3,080.46	1/4	3,442.11
1/2	202.22	1/2	558.02	1/2	919.68	1/2	1,281.11	1/2	1,641.00	1/2	2,002.79	1/2	2,364.58	1/2	2,726.34	1/2	3,087.99	1/2	3,449.65
3/4	209.55	3/4	565.56	3/4	927.20	3/4	1,288.65	3/4	1,648.54	3/4	2,010.33	3/4	2,372.12	3/4	2,733.87	3/4	3,095.53	3/4	3,457.18
7	216.88	7	573.10	7	934.73	7	1,296.19	7	1,656.08	7	2,017.87	7	2,379.66	7	2,741.40	7	3,103.06	7	3,464.72
1/4	224.21	1/4	580.64	1/4	942.25	1/4	1,303.72	1/4	1,663.61	1/4	2,025.41	1/4	2,387.20	1/4	2,748.94	1/4	3,110.60	1/4	3,472.25
1/2	231.54	1/2	588.17	1/2	949.78	1/2	1,311.26	1/2	1,671.15	1/2	2,032.94	1/2	2,394.73	1/2	2,756.47	1/2	3,118.13	1/2	3,479.79
3/4	238.88	3/4	595.71	3/4	957.30	3/4	1,318.80	3/4	1,678.69	3/4	2,040.48	3/4	2,402.27	3/4	2,764.01	3/4	3,125.66	3/4	3,487.32
8	246.21	8	603.25	8	964.83	8	1,326.34	8	1,686.23	8	2,048.02	8	2,409.81	8	2,771.54	8	3,133.20	8	3,494.85
1/4	253.54	1/4	610.79	1/4	972.35	1/4	1,333.87	1/4	1,693.76	1/4	2,055.55	1/4	2,417.34	1/4	2,779.08	1/4	3,140.73	1/4	3,502.39
1/2	260.87	1/2	618.32	1/2	979.88	1/2	1,341.41	1/2	1,701.30	1/2	2,063.09	1/2	2,424.88	1/2	2,786.61	1/2	3,148.27	1/2	3,509.92
3/4	268.20	3/4	625.86	3/4	987.40	3/4	1,348.95	3/4	1,708.84	3/4	2,070.63	3/4	2,432.42	3/4	2,794.15	3/4	3,155.80	3/4	3,517.46
9	275.53	9	633.40	9	994.93	9	1,356.48	9	1,716.38	9	2,078.17	9	2,439.96	9	2,801.68	9	3,163.34	9	3,524.99
1/4	282.86	1/4	640.94	1/4	1,002.45	1/4	1,364.02	1/4	1,723.91	1/4	2,085.70	1/4	2,447.49	1/4	2,809.22	1/4	3,170.87	1/4	3,532.53
1/2	290.19	1/2	648.47	1/2	1,009.98	1/2	1,371.56	1/2	1,731.45	1/2	2,093.24	1/2	2,455.03	1/2	2,816.75	1/2	3,178.41	1/2	3,540.06
3/4	297.52	3/4	656.01	3/4	1,017.50	3/4	1,379.10	3/4	1,738.99	3/4	2,100.78	3/4	2,462.57	3/4	2,824.28	3/4	3,185.94	3/4	3,547.60
10	304.85	10	663.55	10	1,025.03	10	1,386.63	10	1,746.53	10	2,108.32	10	2,470.11	10	2,831.82	10	3,193.47	10	3,555.13
1/4	312.18	1/4	671.09	1/4	1,032.55	1/4	1,394.17	1/4	1,754.06	1/4	2,115.85	1/4	2,477.64	1/4	2,839.35	1/4	3,201.01	1/4	3,562.67
1/2	319.51	1/2	678.62	1/2	1,040.08	1/2	1,401.71	1/2	1,761.60	1/2	2,123.39	1/2	2,485.18	1/2	2,846.89	1/2	3,208.54	1/2	3,570.20
3/4	326.84	3/4	686.16	3/4	1,047.60	3/4	1,409.25	3/4	1,769.14	3/4	2,130.93	3/4	2,492.72	3/4	2,854.42	3/4	3,216.08	3/4	3,577.73
11	334.17	11	693.70	11	1,055.13	11	1,416.78	11	1,776.67	11	2,138.46	11	2,500.26	11	2,861.96	11	3,223.61	11	3,585.27
1/4	341.51	1/4	701.23	1/4	1,062.65	1/4	1,424.32	1/4	1,784.21	1/4	2,146.00	1/4	2,507.79	1/4	2,869.49	1/4	3,231.15	1/4	3,592.80
1/2	348.84	1/2	708.77	1/2	1,070.18	1/2	1,431.86	1/2	1,791.75	1/2	2,153.54	1/2	2,515.33	1/2	2,877.03	1/2	3,238.68	1/2	3,600.34
3/4	356.17	3/4	716.31	3/4	1,077.70	3/4	1,439.39	3/4	1,799.29	3/4	2,161.08	3/4	2,522.87	3/4	2,884.56	3/4	3,246.22	3/4	3,607.87

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 THE 2" CAP ON "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

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

BARGE "MOC 18"

2 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,615.41	0	3,977.06	0	4,338.72	0	4,700.40	0	5,061.35	0		0		0		0		0	
1/4	3,622.94	1/4	3,984.60	1/4	4,346.25	1/4	4,707.94	1/4	5,068.85	1/4		1/4		1/4		1/4		1/4	
1/2	3,630.48	1/2	3,992.13	1/2	4,353.79	1/2	4,715.48	1/2	5,076.34	1/2		1/2		1/2		1/2		1/2	
3/4	3,638.01	3/4	3,999.67	3/4	4,361.32	3/4	4,723.01	3/4	5,083.84	3/4		3/4		3/4		3/4		3/4	
1	3,645.54	1	4,007.20	1	4,368.86	1	4,730.55	1	5,091.33	1		1		1		1		1	
1/4	3,653.08	1/4	4,014.74	1/4	4,376.39	1/4	4,738.09	1/4	5,098.79	1/4		1/4		1/4		1/4		1/4	
1/2	3,660.61	1/2	4,022.27	1/2	4,383.93	1/2	4,745.63	1/2	5,106.25	1/2		1/2		1/2		1/2		1/2	
3/4	3,668.15	3/4	4,029.80	3/4	4,391.46	3/4	4,753.16	3/4	5,113.71	3/4		3/4		3/4		3/4		3/4	
2	3,675.68	2	4,037.34	2	4,398.99	2	4,760.70	2	5,121.17	2		2		2		2		2	
1/4	3,683.22	1/4	4,044.87	1/4	4,406.53	1/4	4,768.24	1/4	5,128.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,690.75	1/2	4,052.41	1/2	4,414.06	1/2	4,775.78	1/2	5,136.08	1/2		1/2		1/2		1/2		1/2	
3/4	3,698.29	3/4	4,059.94	3/4	4,421.60	3/4	4,783.31	3/4	5,143.54	3/4		3/4		3/4		3/4		3/4	
3	3,705.82	3	4,067.48	3	4,429.13	3	4,790.85	3	5,151.00	3		3		3		3		3	
1/4	3,713.36	1/4	4,075.01	1/4	4,436.67	1/4	4,798.39	1/4	5,158.45	1/4		1/4		1/4		1/4		1/4	
1/2	3,720.89	1/2	4,082.55	1/2	4,444.20	1/2	4,805.92	1/2	5,165.90	1/2		1/2		1/2		1/2		1/2	
3/4	3,728.42	3/4	4,090.08	3/4	4,451.74	3/4	4,813.46	3/4	5,173.35	3/4		3/4		3/4		3/4		3/4	
4	3,735.96	4	4,097.61	4	4,459.27	4	4,821.00	4	5,180.80	4		4		4		4		4	
1/4	3,743.49	1/4	4,105.15	1/4	4,466.81	1/4	4,828.53	1/4	5,188.20	1/4		1/4		1/4		1/4		1/4	
1/2	3,751.03	1/2	4,112.68	1/2	4,474.34	1/2	4,836.06	1/2	5,195.60	1/2		1/2		1/2		1/2		1/2	
3/4	3,758.56	3/4	4,120.22	3/4	4,481.87	3/4	4,843.59	3/4	5,203.00	3/4		3/4		3/4		3/4		3/4	
5	3,766.10	5	4,127.75	5	4,489.41	5	4,851.12	5	5,210.40	5		5		5		5		5	
1/4	3,773.63	1/4	4,135.29	1/4	4,496.94	1/4	4,858.63	1/4	5,217.41	1/4		1/4		1/4		1/4		1/4	
1/2	3,781.17	1/2	4,142.82	1/2	4,504.48	1/2	4,866.14	1/2	5,224.42	1/2		1/2		1/2		1/2		1/2	
3/4	3,788.70	3/4	4,150.36	3/4	4,512.01	3/4	4,873.64	3/4	5,231.43	3/4		3/4		3/4		3/4		3/4	
6	3,796.23	6	4,157.89	6	4,519.55	6	4,881.15	6	5,238.44	6		6		6		6		6	
1/4	3,803.77	1/4	4,165.43	1/4	4,527.08	1/4	4,888.66	1/4	5,244.33	1/4		1/4		1/4		1/4		1/4	
1/2	3,811.30	1/2	4,172.96	1/2	4,534.62	1/2	4,896.17	1/2	5,250.22	1/2		1/2		1/2		1/2		1/2	
3/4	3,818.84	3/4	4,180.49	3/4	4,542.15	3/4	4,903.68	3/4	5,256.11	3/4		3/4		3/4		3/4		3/4	
7	3,826.37	7	4,188.03	7	4,549.68	7	4,911.19	7	5,262.00	7		7		7		7		7	
1/4	3,833.91	1/4	4,195.56	1/4	4,557.22	1/4	4,918.69	1/4	5,266.64	1/4		1/4		1/4		1/4		1/4	
1/2	3,841.44	1/2	4,203.10	1/2	4,564.75	1/2	4,926.20	1/2	5,271.27	1/2		1/2		1/2		1/2		1/2	
3/4	3,848.98	3/4	4,210.63	3/4	4,572.29	3/4	4,933.71	3/4	5,275.90	3/4		3/4		3/4		3/4		3/4	
8	3,856.51	8	4,218.17	8	4,579.82	8	4,941.22	8		8		8		8		8		8	
1/4	3,864.05	1/4	4,225.70	1/4	4,587.36	1/4	4,948.73	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,871.58	1/2	4,233.24	1/2	4,594.89	1/2	4,956.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,879.11	3/4	4,240.77	3/4	4,602.43	3/4	4,963.74	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,886.65	9	4,248.30	9	4,609.96	9	4,971.25	9		9		9		9		9		9	
1/4	3,894.18	1/4	4,255.84	1/4	4,617.50	1/4	4,978.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,901.72	1/2	4,263.37	1/2	4,625.03	1/2	4,986.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,909.25	3/4	4,270.91	3/4	4,632.56	3/4	4,993.78	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,916.79	10	4,278.44	10	4,640.10	10	5,001.28	10		10		10		10		10		10	
1/4	3,924.32	1/4	4,285.98	1/4	4,647.64	1/4	5,008.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,931.86	1/2	4,293.51	1/2	4,655.18	1/2	5,016.30	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,939.39	3/4	4,301.05	3/4	4,662.71	3/4	5,023.81	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,946.92	11	4,308.58	11	4,670.25	11	5,031.32	11		11		11		11		11		11	
1/4	3,954.46	1/4	4,316.12	1/4	4,677.79	1/4	5,038.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,961.99	1/2	4,323.65	1/2	4,685.33	1/2	5,046.33	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,969.53	3/4	4,331.18	3/4	4,692.87	3/4	5,053.84	3/4		3/4		3/4		3/4		3/4		3/4	

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PRINTED: 11/13/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2012

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "MOC 18"

2 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

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	27.21	0	363.50	0	723.84	0	1,069.15	0	1,429.79	0	1,789.68	0	2,151.47	0	2,513.26	0	2,874.95	0	3,236.60
1/4	31.89	1/4	370.83	1/4	731.29	1/4	1,076.41	1/4	1,437.29	1/4	1,797.21	1/4	2,159.00	1/4	2,520.79	1/4	2,882.48	1/4	3,244.14
1/2	36.57	1/2	378.16	1/2	738.74	1/2	1,083.67	1/2	1,444.80	1/2	1,804.75	1/2	2,166.54	1/2	2,528.33	1/2	2,890.02	1/2	3,251.67
3/4	41.24	3/4	385.49	3/4	746.19	3/4	1,090.92	3/4	1,452.31	3/4	1,812.29	3/4	2,174.08	3/4	2,535.87	3/4	2,897.55	3/4	3,259.21
1	45.92	1	392.82	1	753.64	1	1,098.18	1	1,459.82	1	1,819.83	1	2,181.62	1	2,543.41	1	2,905.09	1	3,266.74
1/4	51.86	1/4	400.20	1/4	760.82	1/4	1,105.71	1/4	1,467.23	1/4	1,827.36	1/4	2,189.15	1/4	2,550.94	1/4	2,912.62	1/4	3,274.28
1/2	57.79	1/2	407.58	1/2	768.00	1/2	1,113.24	1/2	1,474.65	1/2	1,834.90	1/2	2,196.69	1/2	2,558.48	1/2	2,920.15	1/2	3,281.81
3/4	63.73	3/4	414.97	3/4	775.18	3/4	1,120.76	3/4	1,482.07	3/4	1,842.44	3/4	2,204.23	3/4	2,566.02	3/4	2,927.69	3/4	3,289.35
2	69.66	2	422.35	2	782.36	2	1,128.29	2	1,489.49	2	1,849.98	2	2,211.77	2	2,573.56	2	2,935.22	2	3,296.88
1/4	76.68	1/4	429.89	1/4	789.53	1/4	1,135.83	1/4	1,496.91	1/4	1,857.51	1/4	2,219.30	1/4	2,581.09	1/4	2,942.76	1/4	3,304.41
1/2	83.71	1/2	437.42	1/2	796.71	1/2	1,143.37	1/2	1,504.33	1/2	1,865.05	1/2	2,226.84	1/2	2,588.63	1/2	2,950.29	1/2	3,311.95
3/4	90.73	3/4	444.96	3/4	803.89	3/4	1,150.91	3/4	1,511.75	3/4	1,872.59	3/4	2,234.38	3/4	2,596.17	3/4	2,957.83	3/4	3,319.48
3	97.76	3	452.50	3	811.07	3	1,158.44	3	1,519.17	3	1,880.12	3	2,241.91	3	2,603.71	3	2,965.36	3	3,327.02
1/4	105.23	1/4	460.04	1/4	818.25	1/4	1,165.98	1/4	1,526.58	1/4	1,887.66	1/4	2,249.45	1/4	2,611.24	1/4	2,972.90	1/4	3,334.55
1/2	112.71	1/2	467.57	1/2	825.43	1/2	1,173.52	1/2	1,534.00	1/2	1,895.20	1/2	2,256.99	1/2	2,618.77	1/2	2,980.43	1/2	3,342.09
3/4	120.19	3/4	475.11	3/4	832.60	3/4	1,181.05	3/4	1,541.42	3/4	1,902.74	3/4	2,264.53	3/4	2,626.31	3/4	2,987.97	3/4	3,349.62
4	127.66	4	482.65	4	839.78	4	1,188.59	4	1,548.84	4	1,910.27	4	2,272.06	4	2,633.84	4	2,995.50	4	3,357.16
1/4	135.16	1/4	490.19	1/4	846.95	1/4	1,196.13	1/4	1,556.29	1/4	1,917.81	1/4	2,279.60	1/4	2,641.38	1/4	3,003.03	1/4	3,364.69
1/2	142.67	1/2	497.72	1/2	854.12	1/2	1,203.67	1/2	1,563.74	1/2	1,925.35	1/2	2,287.14	1/2	2,648.91	1/2	3,010.57	1/2	3,372.22
3/4	150.17	3/4	505.26	3/4	861.28	3/4	1,211.20	3/4	1,571.18	3/4	1,932.89	3/4	2,294.68	3/4	2,656.45	3/4	3,018.10	3/4	3,379.76
5	157.67	5	512.80	5	868.45	5	1,218.74	5	1,578.63	5	1,940.42	5	2,302.21	5	2,663.98	5	3,025.64	5	3,387.29
1/4	165.14	1/4	520.34	1/4	875.62	1/4	1,226.28	1/4	1,586.17	1/4	1,947.96	1/4	2,309.75	1/4	2,671.52	1/4	3,033.17	1/4	3,394.83
1/2	172.61	1/2	527.87	1/2	882.79	1/2	1,233.82	1/2	1,593.71	1/2	1,955.50	1/2	2,317.29	1/2	2,679.05	1/2	3,040.71	1/2	3,402.36
3/4	180.09	3/4	535.41	3/4	889.96	3/4	1,241.35	3/4	1,601.24	3/4	1,963.03	3/4	2,324.82	3/4	2,686.59	3/4	3,048.24	3/4	3,409.90
6	187.56	6	542.95	6	897.12	6	1,248.89	6	1,608.78	6	1,970.57	6	2,332.36	6	2,694.12	6	3,055.78	6	3,417.43
1/4	194.89	1/4	550.49	1/4	904.29	1/4	1,256.43	1/4	1,616.32	1/4	1,978.11	1/4	2,339.90	1/4	2,701.65	1/4	3,063.31	1/4	3,424.97
1/2	202.22	1/2	558.02	1/2	911.46	1/2	1,263.96	1/2	1,623.86	1/2	1,985.65	1/2	2,347.44	1/2	2,709.19	1/2	3,070.84	1/2	3,432.50
3/4	209.55	3/4	565.56	3/4	918.63	3/4	1,271.50	3/4	1,631.39	3/4	1,993.18	3/4	2,354.97	3/4	2,716.72	3/4	3,078.38	3/4	3,440.04
7	216.88	7	573.10	7	925.80	7	1,279.04	7	1,638.93	7	2,000.72	7	2,362.51	7	2,724.26	7	3,085.91	7	3,447.57
1/4	224.21	1/4	580.64	1/4	932.96	1/4	1,286.58	1/4	1,646.47	1/4	2,008.26	1/4	2,370.05	1/4	2,731.79	1/4	3,093.45	1/4	3,455.10
1/2	231.54	1/2	588.17	1/2	940.13	1/2	1,294.11	1/2	1,654.01	1/2	2,015.80	1/2	2,377.59	1/2	2,739.33	1/2	3,100.98	1/2	3,462.64
3/4	238.88	3/4	595.71	3/4	947.30	3/4	1,301.65	3/4	1,661.54	3/4	2,023.33	3/4	2,385.12	3/4	2,746.86	3/4	3,108.52	3/4	3,470.17
8	246.21	8	603.25	8	954.47	8	1,309.19	8	1,669.08	8	2,030.87	8	2,392.66	8	2,754.40	8	3,116.05	8	3,477.71
1/4	253.54	1/4	610.79	1/4	961.63	1/4	1,316.73	1/4	1,676.62	1/4	2,038.41	1/4	2,400.20	1/4	2,761.93	1/4	3,123.59	1/4	3,485.24
1/2	260.87	1/2	618.32	1/2	968.80	1/2	1,324.26	1/2	1,684.15	1/2	2,045.94	1/2	2,407.74	1/2	2,769.46	1/2	3,131.12	1/2	3,492.78
3/4	268.20	3/4	625.86	3/4	975.97	3/4	1,331.80	3/4	1,691.69	3/4	2,053.48	3/4	2,415.27	3/4	2,777.00	3/4	3,138.66	3/4	3,500.31
9	275.53	9	633.40	9	983.14	9	1,339.34	9	1,699.23	9	2,061.02	9	2,422.81	9	2,784.53	9	3,146.19	9	3,507.85
1/4	282.86	1/4	640.94	1/4	990.31	1/4	1,346.87	1/4	1,706.77	1/4	2,068.56	1/4	2,430.35	1/4	2,792.07	1/4	3,153.72	1/4	3,515.38
1/2	290.19	1/2	648.47	1/2	997.47	1/2	1,354.41	1/2	1,714.30	1/2	2,076.09	1/2	2,437.88	1/2	2,799.60	1/2	3,161.26	1/2	3,522.91
3/4	297.52	3/4	656.01	3/4	1,004.64	3/4	1,361.95	3/4	1,721.84	3/4	2,083.63	3/4	2,445.42	3/4	2,807.14	3/4	3,168.79	3/4	3,530.45
10	304.85	10	663.55	10	1,011.81	10	1,369.49	10	1,729.38	10	2,091.17	10	2,452.96	10	2,814.67	10	3,176.33	10	3,537.98
1/4	312.18	1/4	671.09	1/4	1,018.98	1/4	1,377.02	1/4	1,736.92	1/4	2,098.71	1/4	2,460.50	1/4	2,822.21	1/4	3,183.86	1/4	3,545.52
1/2	319.51	1/2	678.62	1/2	1,026.14	1/2	1,384.56	1/2	1,744.45	1/2	2,106.24	1/2	2,468.03	1/2	2,829.74	1/2	3,191.40	1/2	3,553.05
3/4	326.84	3/4	686.16	3/4	1,033.31	3/4	1,392.10	3/4	1,751.99	3/4	2,113.78	3/4	2,475.57	3/4	2,837.28	3/4	3,198.93	3/4	3,560.59
11	334.17	11	693.70	11	1,040.48	11	1,399.64	11	1,759.53	11	2,121.32	11	2,483.11	11	2,844.81	11	3,206.47	11	3,568.12
1/4	341.51	1/4	701.23	1/4	1,047.65	1/4	1,407.17	1/4	1,767.06	1/4	2,128.86	1/4	2,490.65	1/4	2,852.34	1/4	3,214.00	1/4	3,575.66
1/2	348.84	1/2	708.77	1/2	1,054.82	1/2	1,414.71	1/2	1,774.60	1/2	2,136.39	1/2	2,498.18	1/2	2,859.88	1/2	3,221.53	1/2	3,583.19
3/4	356.17	3/4	716.31	3/4	1,061.98	3/4	1,422.25	3/4	1,782.14	3/4	2,143.93	3/4	2,505.72	3/4	2,867.41	3/4	3,229.07	3/4	3,590.73

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 THE 2" CAP ON "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

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

BARGE "MOC 18"

2 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

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	3,598.26	0	3,959.92	0	4,321.57	0	4,683.26	0	5,044.20	0		0		0		0		0	
1/4	3,605.79	1/4	3,967.45	1/4	4,329.11	1/4	4,690.79	1/4	5,051.70	1/4		1/4		1/4		1/4		1/4	
1/2	3,613.33	1/2	3,974.98	1/2	4,336.64	1/2	4,698.33	1/2	5,059.19	1/2		1/2		1/2		1/2		1/2	
3/4	3,620.86	3/4	3,982.52	3/4	4,344.18	3/4	4,705.87	3/4	5,066.69	3/4		3/4		3/4		3/4		3/4	
1	3,628.40	1	3,990.05	1	4,351.71	1	4,713.40	1	5,074.19	1		1		1		1		1	
1/4	3,635.93	1/4	3,997.59	1/4	4,359.24	1/4	4,720.94	1/4	5,081.64	1/4		1/4		1/4		1/4		1/4	
1/2	3,643.47	1/2	4,005.12	1/2	4,366.78	1/2	4,728.48	1/2	5,089.10	1/2		1/2		1/2		1/2		1/2	
3/4	3,651.00	3/4	4,012.66	3/4	4,374.31	3/4	4,736.02	3/4	5,096.56	3/4		3/4		3/4		3/4		3/4	
2	3,658.54	2	4,020.19	2	4,381.85	2	4,743.55	2	5,104.02	2		2		2		2		2	
1/4	3,666.07	1/4	4,027.73	1/4	4,389.38	1/4	4,751.09	1/4	5,111.48	1/4		1/4		1/4		1/4		1/4	
1/2	3,673.60	1/2	4,035.26	1/2	4,396.92	1/2	4,758.63	1/2	5,118.93	1/2		1/2		1/2		1/2		1/2	
3/4	3,681.14	3/4	4,042.80	3/4	4,404.45	3/4	4,766.17	3/4	5,126.39	3/4		3/4		3/4		3/4		3/4	
3	3,688.67	3	4,050.33	3	4,411.99	3	4,773.70	3	5,133.85	3		3		3		3		3	
1/4	3,696.21	1/4	4,057.86	1/4	4,419.52	1/4	4,781.24	1/4	5,141.30	1/4		1/4		1/4		1/4		1/4	
1/2	3,703.74	1/2	4,065.40	1/2	4,427.05	1/2	4,788.78	1/2	5,148.75	1/2		1/2		1/2		1/2		1/2	
3/4	3,711.28	3/4	4,072.93	3/4	4,434.59	3/4	4,796.32	3/4	5,156.20	3/4		3/4		3/4		3/4		3/4	
4	3,718.81	4	4,080.47	4	4,442.12	4	4,803.85	4	5,163.65	4		4		4		4		4	
1/4	3,726.35	1/4	4,088.00	1/4	4,449.66	1/4	4,811.38	1/4	5,171.05	1/4		1/4		1/4		1/4		1/4	
1/2	3,733.88	1/2	4,095.54	1/2	4,457.19	1/2	4,818.91	1/2	5,178.45	1/2		1/2		1/2		1/2		1/2	
3/4	3,741.42	3/4	4,103.07	3/4	4,464.73	3/4	4,826.44	3/4	5,185.86	3/4		3/4		3/4		3/4		3/4	
5	3,748.95	5	4,110.61	5	4,472.26	5	4,833.97	5	5,193.26	5		5		5		5		5	
1/4	3,756.48	1/4	4,118.14	1/4	4,479.80	1/4	4,841.48	1/4	5,200.27	1/4		1/4		1/4		1/4		1/4	
1/2	3,764.02	1/2	4,125.67	1/2	4,487.33	1/2	4,848.99	1/2	5,207.28	1/2		1/2		1/2		1/2		1/2	
3/4	3,771.55	3/4	4,133.21	3/4	4,494.87	3/4	4,856.50	3/4	5,214.29	3/4		3/4		3/4		3/4		3/4	
6	3,779.09	6	4,140.74	6	4,502.40	6	4,864.01	6	5,221.30	6		6		6		6		6	
1/4	3,786.62	1/4	4,148.28	1/4	4,509.93	1/4	4,871.51	1/4	5,227.19	1/4		1/4		1/4		1/4		1/4	
1/2	3,794.16	1/2	4,155.81	1/2	4,517.47	1/2	4,879.02	1/2	5,233.08	1/2		1/2		1/2		1/2		1/2	
3/4	3,801.69	3/4	4,163.35	3/4	4,525.00	3/4	4,886.53	3/4	5,238.97	3/4		3/4		3/4		3/4		3/4	
7	3,809.23	7	4,170.88	7	4,532.54	7	4,894.04	7	5,244.86	7		7		7		7		7	
1/4	3,816.76	1/4	4,178.42	1/4	4,540.07	1/4	4,901.55	1/4	5,249.49	1/4		1/4		1/4		1/4		1/4	
1/2	3,824.29	1/2	4,185.95	1/2	4,547.61	1/2	4,909.06	1/2	5,254.12	1/2		1/2		1/2		1/2		1/2	
3/4	3,831.83	3/4	4,193.49	3/4	4,555.14	3/4	4,916.56	3/4	5,258.76	3/4		3/4		3/4		3/4		3/4	
8	3,839.36	8	4,201.02	8	4,562.68	8	4,924.07	8		8		8		8		8		8	
1/4	3,846.90	1/4	4,208.55	1/4	4,570.21	1/4	4,931.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,854.43	1/2	4,216.09	1/2	4,577.74	1/2	4,939.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,861.97	3/4	4,223.62	3/4	4,585.28	3/4	4,946.60	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,869.50	9	4,231.16	9	4,592.81	9	4,954.10	9		9		9		9		9		9	
1/4	3,877.04	1/4	4,238.69	1/4	4,600.35	1/4	4,961.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,884.57	1/2	4,246.23	1/2	4,607.88	1/2	4,969.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,892.11	3/4	4,253.76	3/4	4,615.42	3/4	4,976.63	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,899.64	10	4,261.30	10	4,622.95	10	4,984.14	10		10		10		10		10		10	
1/4	3,907.17	1/4	4,268.83	1/4	4,630.49	1/4	4,991.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,914.71	1/2	4,276.36	1/2	4,638.03	1/2	4,999.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,922.24	3/4	4,283.90	3/4	4,645.57	3/4	5,006.66	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,929.78	11	4,291.43	11	4,653.11	11	5,014.17	11		11		11		11		11		11	
1/4	3,937.31	1/4	4,298.97	1/4	4,660.64	1/4	5,021.68	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,944.85	1/2	4,306.50	1/2	4,668.18	1/2	5,029.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,952.38	3/4	4,314.04	3/4	4,675.72	3/4	5,036.69	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 11/12/2012 CL - SW
CALCULATED: 11/13/2012 CL
PRINTED: 11/13/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2012

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "MOC 18"

3 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 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	27.11	0	362.09	0	721.05	0	1,081.05	0	1,441.37	0	1,799.56	0	2,159.97	0	2,520.37	0	2,880.68	0	3,240.30
1/4	31.77	1/4	369.39	1/4	728.56	1/4	1,088.55	1/4	1,448.85	1/4	1,807.07	1/4	2,167.47	1/4	2,527.88	1/4	2,888.18	1/4	3,247.77
1/2	36.43	1/2	376.69	1/2	736.07	1/2	1,096.04	1/2	1,456.32	1/2	1,814.58	1/2	2,174.98	1/2	2,535.39	1/2	2,895.69	1/2	3,255.23
3/4	41.09	3/4	383.99	3/4	743.58	3/4	1,103.54	3/4	1,463.79	3/4	1,822.08	3/4	2,182.49	3/4	2,542.90	3/4	2,903.20	3/4	3,262.70
1	45.75	1	391.30	1	751.08	1	1,111.04	1	1,471.27	1	1,829.59	1	2,190.00	1	2,550.41	1	2,910.70	1	3,270.17
1/4	51.66	1/4	398.65	1/4	758.59	1/4	1,118.53	1/4	1,478.64	1/4	1,837.10	1/4	2,197.51	1/4	2,557.92	1/4	2,918.21	1/4	3,277.63
1/2	57.57	1/2	406.00	1/2	766.10	1/2	1,126.03	1/2	1,486.01	1/2	1,844.61	1/2	2,205.02	1/2	2,565.43	1/2	2,925.71	1/2	3,285.09
3/4	63.48	3/4	413.36	3/4	773.61	3/4	1,133.53	3/4	1,493.38	3/4	1,852.12	3/4	2,212.53	3/4	2,572.93	3/4	2,933.22	3/4	3,292.55
2	69.40	2	420.71	2	781.12	2	1,141.03	2	1,500.75	2	1,859.63	2	2,220.03	2	2,580.44	2	2,940.72	2	3,300.01
1/4	76.39	1/4	428.22	1/4	788.63	1/4	1,148.54	1/4	1,508.12	1/4	1,867.13	1/4	2,227.54	1/4	2,587.95	1/4	2,948.23	1/4	3,307.39
1/2	83.39	1/2	435.73	1/2	796.13	1/2	1,156.05	1/2	1,515.49	1/2	1,874.64	1/2	2,235.05	1/2	2,595.46	1/2	2,955.73	1/2	3,314.78
3/4	90.39	3/4	443.24	3/4	803.64	3/4	1,163.56	3/4	1,522.86	3/4	1,882.15	3/4	2,242.56	3/4	2,602.97	3/4	2,963.23	3/4	3,322.16
3	97.38	3	450.75	3	811.15	3	1,171.07	3	1,530.22	3	1,889.66	3	2,250.07	3	2,610.47	3	2,970.73	3	3,329.54
1/4	104.83	1/4	458.25	1/4	818.66	1/4	1,178.58	1/4	1,537.59	1/4	1,897.17	1/4	2,257.58	1/4	2,617.98	1/4	2,978.22	1/4	3,336.58
1/2	112.28	1/2	465.76	1/2	826.16	1/2	1,186.08	1/2	1,544.96	1/2	1,904.68	1/2	2,265.09	1/2	2,625.48	1/2	2,985.72	1/2	3,343.61
3/4	119.73	3/4	473.27	3/4	833.67	3/4	1,193.59	3/4	1,552.33	3/4	1,912.19	3/4	2,272.59	3/4	2,632.99	3/4	2,993.21	3/4	3,350.64
4	127.18	4	480.78	4	841.17	4	1,201.10	4	1,559.70	4	1,919.69	4	2,280.10	4	2,640.50	4	3,000.70	4	3,357.67
1/4	134.65	1/4	488.29	1/4	848.67	1/4	1,208.61	1/4	1,567.11	1/4	1,927.20	1/4	2,287.61	1/4	2,648.00	1/4	3,008.19	1/4	3,364.13
1/2	142.12	1/2	495.80	1/2	856.16	1/2	1,216.12	1/2	1,574.51	1/2	1,934.71	1/2	2,295.12	1/2	2,655.51	1/2	3,015.68	1/2	3,370.58
3/4	149.59	3/4	503.31	3/4	863.66	3/4	1,223.63	3/4	1,581.92	3/4	1,942.22	3/4	2,302.63	3/4	2,663.01	3/4	3,023.17	3/4	3,377.03
5	157.07	5	510.81	5	871.16	5	1,231.14	5	1,589.32	5	1,949.73	5	2,310.14	5	2,670.52	5	3,030.66	5	3,383.49
1/4	164.51	1/4	518.32	1/4	878.65	1/4	1,238.64	1/4	1,596.83	1/4	1,957.24	1/4	2,317.64	1/4	2,678.02	1/4	3,038.15	1/4	3,389.36
1/2	171.95	1/2	525.83	1/2	886.15	1/2	1,246.15	1/2	1,604.34	1/2	1,964.75	1/2	2,325.15	1/2	2,685.53	1/2	3,045.65	1/2	3,395.23
3/4	179.40	3/4	533.34	3/4	893.65	3/4	1,253.66	3/4	1,611.85	3/4	1,972.25	3/4	2,332.66	3/4	2,693.04	3/4	3,053.14	3/4	3,401.11
6	186.84	6	540.85	6	901.14	6	1,261.17	6	1,619.35	6	1,979.76	6	2,340.17	6	2,700.54	6	3,060.63	6	3,406.98
1/4	194.14	1/4	548.36	1/4	908.64	1/4	1,268.68	1/4	1,626.86	1/4	1,987.27	1/4	2,347.68	1/4	2,708.05	1/4	3,068.12	1/4	3,412.27
1/2	201.45	1/2	555.87	1/2	916.13	1/2	1,276.19	1/2	1,634.37	1/2	1,994.78	1/2	2,355.19	1/2	2,715.55	1/2	3,075.61	1/2	3,417.57
3/4	208.75	3/4	563.37	3/4	923.63	3/4	1,283.69	3/4	1,641.88	3/4	2,002.29	3/4	2,362.70	3/4	2,723.06	3/4	3,083.10	3/4	3,422.86
7	216.05	7	570.88	7	931.13	7	1,291.20	7	1,649.39	7	2,009.80	7	2,370.20	7	2,730.56	7	3,090.59	7	3,428.15
1/4	223.35	1/4	578.39	1/4	938.62	1/4	1,298.71	1/4	1,656.90	1/4	2,017.30	1/4	2,377.71	1/4	2,738.07	1/4	3,098.08	1/4	3,432.87
1/2	230.65	1/2	585.90	1/2	946.12	1/2	1,306.22	1/2	1,664.41	1/2	2,024.81	1/2	2,385.22	1/2	2,745.58	1/2	3,105.57	1/2	3,437.58
3/4	237.96	3/4	593.41	3/4	953.61	3/4	1,313.73	3/4	1,671.91	3/4	2,032.32	3/4	2,392.73	3/4	2,753.08	3/4	3,113.07	3/4	3,442.29
8	245.26	8	600.92	8	961.11	8	1,321.24	8	1,679.42	8	2,039.83	8	2,400.24	8	2,760.59	8	3,120.56	8	3,447.01
1/4	252.56	1/4	608.43	1/4	968.61	1/4	1,328.75	1/4	1,686.93	1/4	2,047.34	1/4	2,407.75	1/4	2,768.09	1/4	3,128.05	1/4	3,451.22
1/2	259.86	1/2	615.93	1/2	976.10	1/2	1,336.25	1/2	1,694.44	1/2	2,054.85	1/2	2,415.26	1/2	2,775.60	1/2	3,135.54	1/2	3,455.43
3/4	267.16	3/4	623.44	3/4	983.60	3/4	1,343.76	3/4	1,701.95	3/4	2,062.36	3/4	2,422.76	3/4	2,783.10	3/4	3,143.03	3/4	3,459.65
9	274.47	9	630.95	9	991.10	9	1,351.27	9	1,709.46	9	2,069.86	9	2,430.27	9	2,790.61	9	3,150.52	9	3,463.86
1/4	281.77	1/4	638.46	1/4	998.59	1/4	1,358.78	1/4	1,716.96	1/4	2,077.37	1/4	2,437.78	1/4	2,798.12	1/4	3,158.01	1/4	3,467.89
1/2	289.07	1/2	645.97	1/2	1,006.09	1/2	1,366.29	1/2	1,724.47	1/2	2,084.88	1/2	2,445.29	1/2	2,805.62	1/2	3,165.50	1/2	3,471.91
3/4	296.37	3/4	653.48	3/4	1,013.58	3/4	1,373.80	3/4	1,731.98	3/4	2,092.39	3/4	2,452.80	3/4	2,813.13	3/4	3,173.00	3/4	3,475.94
10	303.67	10	660.99	10	1,021.08	10	1,381.31	10	1,739.49	10	2,099.90	10	2,460.31	10	2,820.63	10	3,180.49	10	3,479.96
1/4	310.98	1/4	668.49	1/4	1,028.58	1/4	1,388.81	1/4	1,747.00	1/4	2,107.41	1/4	2,467.81	1/4	2,828.14	1/4	3,187.97	1/4	3,483.99
1/2	318.28	1/2	676.00	1/2	1,036.07	1/2	1,396.32	1/2	1,754.51	1/2	2,114.92	1/2	2,475.32	1/2	2,835.64	1/2	3,195.46	1/2	3,488.01
3/4	325.58	3/4	683.51	3/4	1,043.57	3/4	1,403.83	3/4	1,762.02	3/4	2,122.42	3/4	2,482.83	3/4	2,843.15	3/4	3,202.94	3/4	3,492.04
11	332.88	11	691.02	11	1,051.07	11	1,411.34	11	1,769.52	11	2,129.93	11	2,490.34	11	2,850.66	11	3,210.43	11	3,496.06
1/4	340.18	1/4	698.53	1/4	1,058.56	1/4	1,418.85	1/4	1,777.03	1/4	2,137.44	1/4	2,497.85	1/4	2,858.16	1/4	3,217.90	1/4	3,500.09
1/2	347.48	1/2	706.04	1/2	1,066.06	1/2	1,426.36	1/2	1,784.54	1/2	2,144.95	1/2	2,505.36	1/2	2,865.67	1/2	3,225.36	1/2	3,504.11
3/4	354.79	3/4	713.54	3/4	1,073.55	3/4	1,433.86	3/4	1,792.05	3/4	2,152.46	3/4	2,512.87	3/4	2,873.17	3/4	3,232.83	3/4	3,508.14

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 THE 2" CAP ON "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-03" FORWARD OF AFT BULKHEAD.

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

BARGE "MOC 18"

3 PORT

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 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	3,512.16	0	3,705.36	0	3,898.56	0	4,091.77	0	4,284.68	0		0		0		0		0	
1/4	3,516.19	1/4	3,709.39	1/4	3,902.59	1/4	4,095.80	1/4	4,288.69	1/4		1/4		1/4		1/4		1/4	
1/2	3,520.21	1/2	3,713.41	1/2	3,906.61	1/2	4,099.83	1/2	4,292.70	1/2		1/2		1/2		1/2		1/2	
3/4	3,524.24	3/4	3,717.44	3/4	3,910.64	3/4	4,103.86	3/4	4,296.70	3/4		3/4		3/4		3/4		3/4	
1	3,528.26	1	3,721.46	1	3,914.66	1	4,107.88	1	4,300.71	1		1		1		1		1	
1/4	3,532.29	1/4	3,725.49	1/4	3,918.69	1/4	4,111.91	1/4	4,304.70	1/4		1/4		1/4		1/4		1/4	
1/2	3,536.31	1/2	3,729.51	1/2	3,922.71	1/2	4,115.94	1/2	4,308.68	1/2		1/2		1/2		1/2		1/2	
3/4	3,540.34	3/4	3,733.54	3/4	3,926.74	3/4	4,119.97	3/4	4,312.67	3/4		3/4		3/4		3/4		3/4	
2	3,544.36	2	3,737.56	2	3,930.76	2	4,124.00	2	4,316.66	2		2		2		2		2	
1/4	3,548.39	1/4	3,741.59	1/4	3,934.79	1/4	4,128.02	1/4	4,320.64	1/4		1/4		1/4		1/4		1/4	
1/2	3,552.41	1/2	3,745.61	1/2	3,938.81	1/2	4,132.05	1/2	4,324.63	1/2		1/2		1/2		1/2		1/2	
3/4	3,556.44	3/4	3,749.64	3/4	3,942.84	3/4	4,136.08	3/4	4,328.61	3/4		3/4		3/4		3/4		3/4	
3	3,560.46	3	3,753.66	3	3,946.86	3	4,140.11	3	4,332.60	3		3		3		3		3	
1/4	3,564.49	1/4	3,757.69	1/4	3,950.89	1/4	4,144.13	1/4	4,336.58	1/4		1/4		1/4		1/4		1/4	
1/2	3,568.51	1/2	3,761.71	1/2	3,954.91	1/2	4,148.16	1/2	4,340.57	1/2		1/2		1/2		1/2		1/2	
3/4	3,572.54	3/4	3,765.74	3/4	3,958.94	3/4	4,152.19	3/4	4,344.55	3/4		3/4		3/4		3/4		3/4	
4	3,576.56	4	3,769.76	4	3,962.96	4	4,156.22	4	4,348.53	4		4		4		4		4	
1/4	3,580.59	1/4	3,773.79	1/4	3,966.99	1/4	4,160.24	1/4	4,352.49	1/4		1/4		1/4		1/4		1/4	
1/2	3,584.61	1/2	3,777.81	1/2	3,971.01	1/2	4,164.27	1/2	4,356.45	1/2		1/2		1/2		1/2		1/2	
3/4	3,588.64	3/4	3,781.84	3/4	3,975.04	3/4	4,168.29	3/4	4,360.40	3/4		3/4		3/4		3/4		3/4	
5	3,592.66	5	3,785.86	5	3,979.06	5	4,172.31	5	4,364.36	5		5		5		5		5	
1/4	3,596.69	1/4	3,789.89	1/4	3,983.09	1/4	4,176.33	1/4	4,368.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,600.71	1/2	3,793.91	1/2	3,987.11	1/2	4,180.34	1/2	4,371.85	1/2		1/2		1/2		1/2		1/2	
3/4	3,604.74	3/4	3,797.94	3/4	3,991.14	3/4	4,184.35	3/4	4,375.60	3/4		3/4		3/4		3/4		3/4	
6	3,608.76	6	3,801.96	6	3,995.16	6	4,188.37	6	4,379.35	6		6		6		6		6	
1/4	3,612.79	1/4	3,805.99	1/4	3,999.19	1/4	4,192.38	1/4	4,382.49	1/4		1/4		1/4		1/4		1/4	
1/2	3,616.81	1/2	3,810.01	1/2	4,003.21	1/2	4,196.39	1/2	4,385.64	1/2		1/2		1/2		1/2		1/2	
3/4	3,620.84	3/4	3,814.04	3/4	4,007.24	3/4	4,200.41	3/4	4,388.79	3/4		3/4		3/4		3/4		3/4	
7	3,624.86	7	3,818.06	7	4,011.26	7	4,204.42	7	4,391.94	7		7		7		7		7	
1/4	3,628.89	1/4	3,822.09	1/4	4,015.29	1/4	4,208.43	1/4	4,394.42	1/4		1/4		1/4		1/4		1/4	
1/2	3,632.91	1/2	3,826.11	1/2	4,019.31	1/2	4,212.45	1/2	4,396.89	1/2		1/2		1/2		1/2		1/2	
3/4	3,636.94	3/4	3,830.14	3/4	4,023.34	3/4	4,216.46	3/4	4,399.37	3/4		3/4		3/4		3/4		3/4	
8	3,640.96	8	3,834.16	8	4,027.36	8	4,220.47	8		8		8		8		8		8	
1/4	3,644.99	1/4	3,838.19	1/4	4,031.39	1/4	4,224.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,649.01	1/2	3,842.21	1/2	4,035.41	1/2	4,228.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,653.04	3/4	3,846.24	3/4	4,039.44	3/4	4,232.51	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,657.06	9	3,850.26	9	4,043.46	9	4,236.52	9		9		9		9		9		9	
1/4	3,661.09	1/4	3,854.29	1/4	4,047.49	1/4	4,240.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,665.11	1/2	3,858.31	1/2	4,051.51	1/2	4,244.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,669.14	3/4	3,862.34	3/4	4,055.54	3/4	4,248.56	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,673.16	10	3,866.36	10	4,059.56	10	4,252.58	10		10		10		10		10		10	
1/4	3,677.19	1/4	3,870.39	1/4	4,063.59	1/4	4,256.59	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,681.21	1/2	3,874.41	1/2	4,067.61	1/2	4,260.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,685.24	3/4	3,878.44	3/4	4,071.64	3/4	4,264.62	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,689.26	11	3,882.46	11	4,075.66	11	4,268.63	11		11		11		11		11		11	
1/4	3,693.29	1/4	3,886.49	1/4	4,079.69	1/4	4,272.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,697.31	1/2	3,890.51	1/2	4,083.72	1/2	4,276.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,701.34	3/4	3,894.54	3/4	4,087.75	3/4	4,280.67	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/12/2012 CL - SW
CALCULATED: 11/13/2012 CL
PRINTED: 11/13/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2012

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "MOC 18"

3 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 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	27.09	0	361.50	0	719.73	0	1,058.68	0	1,415.67	0	1,773.01	0	2,132.58	0	2,492.14	0	2,851.64	0	3,210.48
1/4	31.75	1/4	368.79	1/4	727.12	1/4	1,065.80	1/4	1,423.13	1/4	1,780.50	1/4	2,140.07	1/4	2,499.63	1/4	2,859.12	1/4	3,217.93
1/2	36.41	1/2	376.08	1/2	734.51	1/2	1,072.92	1/2	1,430.58	1/2	1,787.99	1/2	2,147.56	1/2	2,507.12	1/2	2,866.61	1/2	3,225.39
3/4	41.07	3/4	383.36	3/4	741.89	3/4	1,080.04	3/4	1,438.04	3/4	1,795.49	3/4	2,155.05	3/4	2,514.61	3/4	2,874.10	3/4	3,232.84
1	45.73	1	390.65	1	749.28	1	1,087.16	1	1,445.50	1	1,802.98	1	2,162.54	1	2,522.10	1	2,881.59	1	3,240.29
1/4	51.64	1/4	397.99	1/4	756.35	1/4	1,094.60	1/4	1,452.85	1/4	1,810.47	1/4	2,170.03	1/4	2,529.59	1/4	2,889.07	1/4	3,247.73
1/2	57.54	1/2	405.33	1/2	763.42	1/2	1,102.04	1/2	1,460.20	1/2	1,817.96	1/2	2,177.52	1/2	2,537.08	1/2	2,896.56	1/2	3,255.18
3/4	63.45	3/4	412.66	3/4	770.49	3/4	1,109.49	3/4	1,467.55	3/4	1,825.45	3/4	2,185.01	3/4	2,544.58	3/4	2,904.05	3/4	3,262.62
2	69.36	2	420.00	2	777.56	2	1,116.93	2	1,474.90	2	1,832.94	2	2,192.50	2	2,552.07	2	2,911.54	2	3,270.07
1/4	76.35	1/4	427.50	1/4	784.63	1/4	1,124.38	1/4	1,482.26	1/4	1,840.43	1/4	2,199.99	1/4	2,559.56	1/4	2,919.02	1/4	3,277.44
1/2	83.35	1/2	434.99	1/2	791.70	1/2	1,131.84	1/2	1,489.61	1/2	1,847.92	1/2	2,207.48	1/2	2,567.05	1/2	2,926.51	1/2	3,284.80
3/4	90.34	3/4	442.48	3/4	798.77	3/4	1,139.29	3/4	1,496.96	3/4	1,855.41	3/4	2,214.98	3/4	2,574.54	3/4	2,934.00	3/4	3,292.17
3	97.33	3	449.98	3	805.84	3	1,146.75	3	1,504.31	3	1,862.90	3	2,222.47	3	2,582.03	3	2,941.48	3	3,299.54
1/4	104.77	1/4	457.47	1/4	812.90	1/4	1,154.22	1/4	1,511.66	1/4	1,870.39	1/4	2,229.96	1/4	2,589.52	1/4	2,948.96	1/4	3,306.55
1/2	112.20	1/2	464.96	1/2	819.97	1/2	1,161.68	1/2	1,519.02	1/2	1,877.89	1/2	2,237.45	1/2	2,597.01	1/2	2,956.43	1/2	3,313.57
3/4	119.64	3/4	472.46	3/4	827.04	3/4	1,169.15	3/4	1,526.37	3/4	1,885.38	3/4	2,244.94	3/4	2,604.50	3/4	2,963.91	3/4	3,320.59
4	127.08	4	479.95	4	834.10	4	1,176.62	4	1,533.72	4	1,892.87	4	2,252.43	4	2,611.99	4	2,971.38	4	3,327.60
1/4	134.54	1/4	487.44	1/4	841.15	1/4	1,184.09	1/4	1,541.11	1/4	1,900.36	1/4	2,259.92	1/4	2,619.48	1/4	2,978.86	1/4	3,334.04
1/2	141.99	1/2	494.94	1/2	848.20	1/2	1,191.56	1/2	1,548.49	1/2	1,907.85	1/2	2,267.41	1/2	2,626.97	1/2	2,986.34	1/2	3,340.48
3/4	149.45	3/4	502.43	3/4	855.24	3/4	1,199.03	3/4	1,555.88	3/4	1,915.34	3/4	2,274.90	3/4	2,634.47	3/4	2,993.81	3/4	3,346.92
5	156.91	5	509.92	5	862.29	5	1,206.50	5	1,563.27	5	1,922.83	5	2,282.39	5	2,641.96	5	3,001.29	5	3,353.36
1/4	164.34	1/4	517.42	1/4	869.30	1/4	1,213.97	1/4	1,570.76	1/4	1,930.32	1/4	2,289.88	1/4	2,649.45	1/4	3,008.76	1/4	3,359.21
1/2	171.77	1/2	524.91	1/2	876.32	1/2	1,221.44	1/2	1,578.25	1/2	1,937.81	1/2	2,297.38	1/2	2,656.94	1/2	3,016.24	1/2	3,365.07
3/4	179.20	3/4	532.40	3/4	883.33	3/4	1,228.91	3/4	1,585.74	3/4	1,945.30	3/4	2,304.87	3/4	2,664.43	3/4	3,023.71	3/4	3,370.93
6	186.62	6	539.90	6	890.34	6	1,236.38	6	1,593.23	6	1,952.79	6	2,312.36	6	2,671.92	6	3,031.19	6	3,376.79
1/4	193.91	1/4	547.39	1/4	897.36	1/4	1,243.85	1/4	1,600.72	1/4	1,960.28	1/4	2,319.85	1/4	2,679.41	1/4	3,038.66	1/4	3,382.07
1/2	201.20	1/2	554.88	1/2	904.37	1/2	1,251.32	1/2	1,608.21	1/2	1,967.78	1/2	2,327.34	1/2	2,686.90	1/2	3,046.14	1/2	3,387.35
3/4	208.48	3/4	562.38	3/4	911.39	3/4	1,258.79	3/4	1,615.70	3/4	1,975.27	3/4	2,334.83	3/4	2,694.39	3/4	3,053.61	3/4	3,392.63
7	215.77	7	569.87	7	918.40	7	1,266.26	7	1,623.19	7	1,982.76	7	2,342.32	7	2,701.88	7	3,061.09	7	3,397.91
1/4	223.06	1/4	577.36	1/4	925.42	1/4	1,273.73	1/4	1,630.69	1/4	1,990.25	1/4	2,349.81	1/4	2,709.37	1/4	3,068.56	1/4	3,402.62
1/2	230.34	1/2	584.86	1/2	932.43	1/2	1,281.20	1/2	1,638.18	1/2	1,997.74	1/2	2,357.30	1/2	2,716.86	1/2	3,076.04	1/2	3,407.33
3/4	237.63	3/4	592.35	3/4	939.44	3/4	1,288.67	3/4	1,645.67	3/4	2,005.23	3/4	2,364.79	3/4	2,724.35	3/4	3,083.52	3/4	3,412.04
8	244.92	8	599.84	8	946.46	8	1,296.14	8	1,653.16	8	2,012.72	8	2,372.28	8	2,731.84	8	3,090.99	8	3,416.75
1/4	252.20	1/4	607.34	1/4	953.47	1/4	1,303.61	1/4	1,660.65	1/4	2,020.21	1/4	2,379.78	1/4	2,739.33	1/4	3,098.47	1/4	3,420.96
1/2	259.49	1/2	614.83	1/2	960.49	1/2	1,311.08	1/2	1,668.14	1/2	2,027.70	1/2	2,387.27	1/2	2,746.81	1/2	3,105.94	1/2	3,425.17
3/4	266.78	3/4	622.32	3/4	967.50	3/4	1,318.55	3/4	1,675.63	3/4	2,035.19	3/4	2,394.76	3/4	2,754.30	3/4	3,113.42	3/4	3,429.38
9	274.06	9	629.82	9	974.51	9	1,326.02	9	1,683.12	9	2,042.68	9	2,402.25	9	2,761.79	9	3,120.89	9	3,433.59
1/4	281.35	1/4	637.31	1/4	981.53	1/4	1,333.49	1/4	1,690.61	1/4	2,050.18	1/4	2,409.74	1/4	2,769.28	1/4	3,128.37	1/4	3,437.62
1/2	288.64	1/2	644.80	1/2	988.54	1/2	1,340.96	1/2	1,698.10	1/2	2,057.67	1/2	2,417.23	1/2	2,776.76	1/2	3,135.84	1/2	3,441.64
3/4	295.92	3/4	652.30	3/4	995.56	3/4	1,348.42	3/4	1,705.59	3/4	2,065.16	3/4	2,424.72	3/4	2,784.25	3/4	3,143.32	3/4	3,445.67
10	303.21	10	659.79	10	1,002.57	10	1,355.89	10	1,713.09	10	2,072.65	10	2,432.21	10	2,791.74	10	3,150.79	10	3,449.69
1/4	310.50	1/4	667.28	1/4	1,009.58	1/4	1,363.36	1/4	1,720.58	1/4	2,080.14	1/4	2,439.70	1/4	2,799.23	1/4	3,158.26	1/4	3,453.71
1/2	317.78	1/2	674.78	1/2	1,016.60	1/2	1,370.83	1/2	1,728.07	1/2	2,087.63	1/2	2,447.19	1/2	2,806.71	1/2	3,165.73	1/2	3,457.74
3/4	325.07	3/4	682.27	3/4	1,023.61	3/4	1,378.30	3/4	1,735.56	3/4	2,095.12	3/4	2,454.68	3/4	2,814.20	3/4	3,173.20	3/4	3,461.76
11	332.36	11	689.76	11	1,030.63	11	1,385.77	11	1,743.05	11	2,102.61	11	2,462.18	11	2,821.69	11	3,180.67	11	3,465.79
1/4	339.64	1/4	697.25	1/4	1,037.64	1/4	1,393.25	1/4	1,750.54	1/4	2,110.10	1/4	2,469.67	1/4	2,829.17	1/4	3,188.13	1/4	3,469.81
1/2	346.93	1/2	704.75	1/2	1,044.66	1/2	1,400.72	1/2	1,758.03	1/2	2,117.59	1/2	2,477.16	1/2	2,836.66	1/2	3,195.58	1/2	3,473.83
3/4	354.22	3/4	712.24	3/4	1,051.67	3/4	1,408.20	3/4	1,765.52	3/4	2,125.08	3/4	2,484.65	3/4	2,844.15	3/4	3,203.03	3/4	3,477.86

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 THE 2" CAP ON "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "MOC 18"

3 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 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	3,481.88	0	3,675.04	0	3,868.20	0	4,061.35	0	4,254.09	0		0		0		0		0	
1/4	3,485.91	1/4	3,679.06	1/4	3,872.22	1/4	4,065.38	1/4	4,258.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,489.93	1/2	3,683.09	1/2	3,876.24	1/2	4,069.40	1/2	4,262.10	1/2		1/2		1/2		1/2		1/2	
3/4	3,493.96	3/4	3,687.11	3/4	3,880.27	3/4	4,073.43	3/4	4,266.10	3/4		3/4		3/4		3/4		3/4	
1	3,497.98	1	3,691.14	1	3,884.29	1	4,077.45	1	4,270.11	1		1		1		1		1	
1/4	3,502.00	1/4	3,695.16	1/4	3,888.32	1/4	4,081.47	1/4	4,274.09	1/4		1/4		1/4		1/4		1/4	
1/2	3,506.03	1/2	3,699.18	1/2	3,892.34	1/2	4,085.50	1/2	4,278.07	1/2		1/2		1/2		1/2		1/2	
3/4	3,510.05	3/4	3,703.21	3/4	3,896.37	3/4	4,089.52	3/4	4,282.05	3/4		3/4		3/4		3/4		3/4	
2	3,514.08	2	3,707.23	2	3,900.39	2	4,093.55	2	4,286.04	2		2		2		2		2	
1/4	3,518.10	1/4	3,711.26	1/4	3,904.41	1/4	4,097.57	1/4	4,290.02	1/4		1/4		1/4		1/4		1/4	
1/2	3,522.12	1/2	3,715.28	1/2	3,908.44	1/2	4,101.59	1/2	4,294.00	1/2		1/2		1/2		1/2		1/2	
3/4	3,526.15	3/4	3,719.31	3/4	3,912.46	3/4	4,105.62	3/4	4,297.99	3/4		3/4		3/4		3/4		3/4	
3	3,530.17	3	3,723.33	3	3,916.49	3	4,109.64	3	4,301.97	3		3		3		3		3	
1/4	3,534.20	1/4	3,727.35	1/4	3,920.51	1/4	4,113.67	1/4	4,305.95	1/4		1/4		1/4		1/4		1/4	
1/2	3,538.22	1/2	3,731.38	1/2	3,924.53	1/2	4,117.69	1/2	4,309.93	1/2		1/2		1/2		1/2		1/2	
3/4	3,542.24	3/4	3,735.40	3/4	3,928.56	3/4	4,121.72	3/4	4,313.91	3/4		3/4		3/4		3/4		3/4	
4	3,546.27	4	3,739.43	4	3,932.58	4	4,125.74	4	4,317.89	4		4		4		4		4	
1/4	3,550.29	1/4	3,743.45	1/4	3,936.61	1/4	4,129.76	1/4	4,321.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,554.32	1/2	3,747.47	1/2	3,940.63	1/2	4,133.78	1/2	4,325.79	1/2		1/2		1/2		1/2		1/2	
3/4	3,558.34	3/4	3,751.50	3/4	3,944.65	3/4	4,137.80	3/4	4,329.74	3/4		3/4		3/4		3/4		3/4	
5	3,562.37	5	3,755.52	5	3,948.68	5	4,141.83	5	4,333.69	5		5		5		5		5	
1/4	3,566.39	1/4	3,759.55	1/4	3,952.70	1/4	4,145.84	1/4	4,337.44	1/4		1/4		1/4		1/4		1/4	
1/2	3,570.41	1/2	3,763.57	1/2	3,956.73	1/2	4,149.84	1/2	4,341.18	1/2		1/2		1/2		1/2		1/2	
3/4	3,574.44	3/4	3,767.59	3/4	3,960.75	3/4	4,153.85	3/4	4,344.92	3/4		3/4		3/4		3/4		3/4	
6	3,578.46	6	3,771.62	6	3,964.78	6	4,157.86	6	4,348.67	6		6		6		6		6	
1/4	3,582.49	1/4	3,775.64	1/4	3,968.80	1/4	4,161.87	1/4	4,351.81	1/4		1/4		1/4		1/4		1/4	
1/2	3,586.51	1/2	3,779.67	1/2	3,972.82	1/2	4,165.88	1/2	4,354.96	1/2		1/2		1/2		1/2		1/2	
3/4	3,590.53	3/4	3,783.69	3/4	3,976.85	3/4	4,169.89	3/4	4,358.10	3/4		3/4		3/4		3/4		3/4	
7	3,594.56	7	3,787.71	7	3,980.87	7	4,173.90	7	4,361.25	7		7		7		7		7	
1/4	3,598.58	1/4	3,791.74	1/4	3,984.90	1/4	4,177.91	1/4	4,363.72	1/4		1/4		1/4		1/4		1/4	
1/2	3,602.61	1/2	3,795.76	1/2	3,988.92	1/2	4,181.92	1/2	4,366.20	1/2		1/2		1/2		1/2		1/2	
3/4	3,606.63	3/4	3,799.79	3/4	3,992.94	3/4	4,185.93	3/4	4,368.67	3/4		3/4		3/4		3/4		3/4	
8	3,610.65	8	3,803.81	8	3,996.97	8	4,189.94	8		8		8		8		8		8	
1/4	3,614.68	1/4	3,807.84	1/4	4,000.99	1/4	4,193.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,618.70	1/2	3,811.86	1/2	4,005.02	1/2	4,197.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,622.73	3/4	3,815.88	3/4	4,009.04	3/4	4,201.97	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,626.75	9	3,819.91	9	4,013.06	9	4,205.98	9		9		9		9		9		9	
1/4	3,630.77	1/4	3,823.93	1/4	4,017.09	1/4	4,209.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,634.80	1/2	3,827.96	1/2	4,021.11	1/2	4,214.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,638.82	3/4	3,831.98	3/4	4,025.14	3/4	4,218.01	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,642.85	10	3,836.00	10	4,029.16	10	4,222.02	10		10		10		10		10		10	
1/4	3,646.87	1/4	3,840.03	1/4	4,033.18	1/4	4,226.03	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,650.90	1/2	3,844.05	1/2	4,037.21	1/2	4,230.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,654.92	3/4	3,848.08	3/4	4,041.23	3/4	4,234.05	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,658.94	11	3,852.10	11	4,045.26	11	4,238.06	11		11		11		11		11		11	
1/4	3,662.97	1/4	3,856.12	1/4	4,049.28	1/4	4,242.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,666.99	1/2	3,860.15	1/2	4,053.31	1/2	4,246.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,671.02	3/4	3,864.17	3/4	4,057.33	3/4	4,250.08	3/4		3/4		3/4		3/4		3/4		3/4	

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PRINTED: 11/13/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2012

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