BARGE "NGL 3138"

ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

June 2, 2014

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

http://www.pmacorp.net

BARGE "NGL 3138"

1 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	5,159.62	0	4,833.56	0	4,481.86	0	4,130.15	0	3,778.45	0	3,426.74	0	3,075.03	0	2,723.33	0	2,371.62
1/4		1/4	5,155.65	1/4	4,826.23	1/4	4,474.53	1/4	4,122.82	1/4	3,771.12	1/4	3,419.41	1/4	3,067.70	1/4	2,716.00	1/4	2,364.29
1/2		1/2	5,151.69	1/2	4,818.90	1/2	4,467.20	1/2	4,115.49	1/2	3,763.79	1/2	3,412.08	1/2	3,060.38	1/2	2,708.67	1/2	2,356.96
3/4		3/4	5,147.72	3/4	4,811.58	3/4	4,459.88	3/4	4,108.17	3/4	3,756.47	3/4	3,404.76	3/4	3,053.05	3/4	2,701.35	3/4	2,349.64
1		1	5,143.75	1	4,804.25	1	4,452.55	1	4,100.84	1	3,749.14	1	3,397.43	1	3,045.73	1	2,694.02	1	2,342.31
1/4		1/4	5,138.56	1/4	4,796.92	1/4	4,445.22	1/4	4,093.51	1/4	3,741.81	1/4	3,390.10	1/4	3,038.40	1/4	2,686.69	1/4	2,334.99
1/2		1/2	5,133.37	1/2	4,789.59	1/2	4,437.89	1/2	4,086.18	1/2	3,734.48	1/2	3,382.77	1/2	3,031.07	1/2	2,679.36	1/2	2,327.66
3/4		3/4	5,128.18	3/4	4,782.27	3/4	4,430.57	3/4	4,078.86	3/4	3,727.16	3/4	3,375.45	3/4	3,023.75	3/4	2,672.04	3/4	2,320.34
2		2	5,122.99	2	4,774.94	2	4,423.24	2	4,071.53	2	3,719.83	2	3,368.12	2	3,016.42	2	2,664.71	2	2,313.01
1/4		1/4	5,116.58	1/4	4,767.61	1/4	4,415.91	1/4	4,064.20	1/4	3,712.50	1/4	3,360.79	1/4	3,009.09	1/4	2,657.38	1/4	2,305.68
1/2		1/2	5,110.17	1/2	4,760.29	1/2	4,408.58	1/2	4,056.87	1/2	3,705.17	1/2	3,353.46	1/2	3,001.76	1/2	2,650.05	1/2	2,298.36
3/4		3/4	5,103.75	3/4	4,752.96	3/4	4,401.26	3/4	4,049.55	3/4	3,697.85	3/4	3,346.14	3/4	2,994.44	3/4	2,642.73	3/4	2,291.03
3		3	5,097.34	3	4,745.64	3	4,393.93	3	4,042.22	3	3,690.52	3	3,338.81	3	2,987.11	3	2,635.40	3	2,283.70
1/4		1/4	5,090.01	1/4	4,738.31	1/4	4,386.60	1/4	4,034.89	1/4	3,683.19	1/4	3,331.48	1/4	2,979.78	1/4	2,628.07	1/4	2,276.37
1/2		1/2	5,082.69	1/2	4,730.98	1/2	4,379.27	1/2	4,027.57	1/2	3,675.86	1/2	3,324.15	1/2	2,972.45	1/2	2,620.74	1/2	2,269.05
3/4		3/4	5,075.36	3/4	4,723.66	3/4	4,371.95	3/4	4,020.24	3/4	3,668.54	3/4	3,316.83	3/4	2,965.13	3/4	2,613.42	3/4	2,261.72
4		4	5,068.03	4	4,716.33	4	4,364.62	4	4,012.92	4	3,661.21	4	3,309.50	4	2,957.80	4	2,606.09	4	2,254.39
1/4		1/4	5,060.70	1/4	4,709.00	1/4	4,357.29	1/4	4,005.59	1/4	3,653.88	1/4	3,302.17	1/4	2,950.47	1/4	2,598.76	1/4	2,247.06
1/2		1/2	5,053.38	1/2	4,701.67	1/2	4,349.96	1/2	3,998.26	1/2	3,646.55	1/2	3,294.85	1/2	2,943.14	1/2	2,591.43	1/2	2,239.74
3/4		3/4	5,046.05	3/4	4,694.35	3/4	4,342.64	3/4	3,990.94	3/4	3,639.23	3/4	3,287.52	3/4	2,935.82	3/4	2,584.11	3/4	2,232.41
5		5	5,038.72	5	4,687.02	5	4,335.31	5	3,983.61	5	3,631.90	5	3,280.20	5	2,928.49	5	2,576.78	5	2,225.08
1/4		1/4	5,031.40	1/4	4,679.69	1/4	4,327.98	1/4	3,976.28	1/4	3,624.57	1/4	3,272.87	1/4	2,921.16	1/4	2,569.45	1/4	2,217.75
1/2		1/2	5,024.07	1/2	4,672.36	1/2	4,320.65	1/2	3,968.95	1/2	3,617.24	1/2	3,265.54	1/2	2,913.83	1/2	2,562.13	1/2	2,210.43
3/4		3/4	5,016.75	3/4	4,665.04	3/4	4,313.33	3/4	3,961.63	3/4	3,609.92	3/4	3,258.22	3/4	2,906.51	3/4	2,554.80	3/4	2,203.10
6		6	5,009.42	6	4,657.71	6	4,306.00	6	3,954.30	6	3,602.59	6	3,250.89	6	2,899.18	6	2,547.48	6	2,195.77
1/4		1/4	5,002.09	1/4	4,650.38	1/4	4,298.67	1/4	3,946.97	1/4	3,595.26	1/4	3,243.56	1/4	2,891.85	1/4	2,540.15	1/4	2,188.44
1/2		1/2	4,994.77	1/2	4,643.05	1/2	4,291.35	1/2	3,939.64	1/2	3,587.93	1/2	3,236.23	1/2	2,884.52	1/2	2,532.82	1/2	2,181.12
3/4		3/4	4,987.44	3/4	4,635.73	3/4	4,284.02	3/4	3,932.32	3/4	3,580.61	3/4	3,228.91	3/4	2,877.20	3/4	2,525.50	3/4	2,173.79
7		7	4,980.11	7	4,628.40	7	4,276.70	7	3,924.99	7	3,573.28	7	3,221.58	7	2,869.87	7	2,518.17	7	2,166.46
1/4		1/4	4,972.78	1/4	4,621.07	1/4	4,269.37	1/4	3,917.66	1/4	3,565.95	1/4	3,214.25	1/4	2,862.54	1/4	2,510.84	1/4	2,159.13
1/2		1/2	4,965.46	1/2	4,613.74	1/2	4,262.04	1/2	3,910.33	1/2	3,558.63	1/2	3,206.92	1/2	2,855.21	1/2	2,503.51	1/2	2,151.81
3/4		3/4	4,958.13	3/4	4,606.42	3/4	4,254.72	3/4	3,903.01	3/4	3,551.30	3/4	3,199.60	3/4	2,847.89	3/4	2,496.18	3/4	2,144.48
8		8	4,950.80	8	4,599.09	8	4,247.39	8	3,895.68	8	3,543.98	8	3,192.27	8	2,840.56	8	2,488.85	8	2,137.15
1/4		1/4	4,943.47	1/4	4,591.76	1/4	4,240.06	1/4	3,888.35	1/4	3,536.65	1/4	3,184.94	1/4	2,833.23	1/4	2,481.52	1/4	2,129.82
1/2		1/2	4,936.14	1/2	4,584.43	1/2	4,232.73	1/2	3,881.02	1/2	3,529.32	1/2	3,177.61	1/2	2,825.91	1/2	2,474.20	1/2	2,122.50
3/4		3/4	4,928.82	3/4	4,577.11	3/4	4,225.41	3/4	3,873.70	3/4	3,522.00	3/4	3,170.29	3/4	2,818.58	3/4	2,466.87	3/4	2,115.17
9		9	4,921.49	9	4,569.78	9	4,218.08	9	3,866.37	9	3,514.67	9	3,162.96	9	2,811.26	9	2,459.55	9	2,107.84
1/4		1/4	4,914.16	1/4	4,562.45	1/4	4,210.75	1/4	3,859.04	1/4	3,507.34	1/4	3,155.63	1/4	2,803.93	1/4	2,452.22	1/4	2,100.52
1/2		1/2	4,906.83	1/2	4,555.12	1/2	4,203.42	1/2	3,851.71	1/2	3,500.01	1/2	3,148.30	1/2	2,796.60	1/2	2,444.89	1/2	2,093.19
3/4		3/4	4,899.51	3/4	4,547.80	3/4	4,196.10	3/4	3,844.39	3/4	3,492.69	3/4	3,140.98	3/4	2,789.28	3/4	2,437.57	3/4	2,085.87
10	5,175.72	10	4,892.18	10	4,540.47	10	4,188.77	10	3,837.06	10	3,485.36	10	3,133.65	10	2,781.95	10	2,430.24	10	2,078.54
1/4	5,174.44	1/4	4,884.85	1/4	4,533.14	1/4	4,181.44	1/4	3,829.73	1/4	3,478.03	1/4	3,126.32	1/4	2,774.62	1/4	2,422.91	1/4	2,071.21
1/2	5,173.17	1/2	4,877.52	1/2	4,525.82	1/2	4,174.11	1/2	3,822.40	1/2	3,470.70	1/2	3,118.99	1/2	2,767.29	1/2	2,415.58	1/2	2,063.89
3/4	5,171.89	3/4	4,870.20	3/4	4,518.49	3/4	4,166.79	3/4	3,815.08	3/4	3,463.38	3/4	3,111.67	3/4	2,759.97	3/4	2,408.26	3/4	2,056.56
11	5,170.61	11	4,862.87	11	4,511.17	11	4,159.46	11	3,807.75	11	3,456.05	11	3,104.34	11	2,752.64	11	2,400.93	11	2,049.23
1/4	5,167.86	1/4	4,855.54	1/4	4,503.84	1/4	4,152.13	1/4	3,800.42	1/4	3,448.72	1/4	3,097.01	1/4	2,745.31	1/4	2,393.60	1/4	2,041.90
1/2	5,165.12	1/2	4,848.21	1/2	4,496.51	1/2	4,144.80	1/2	3,793.10	1/2	3,441.39	1/2	3,089.68	1/2	2,737.98	1/2	2,386.27	1/2	2,034.58
3/4	5,162.37	3/4	4,840.89	3/4	4,489.19	3/4	4,137.48	3/4	3,785.77	3/4	3,434.07	3/4	3,082.36	3/4	2,730.66	3/4	2,378.95	3/4	2,027.25

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 TOP LIP OF 2" HERMETIC VALVE.
GAUGE POINT: (HERMETIC) LOCATED 11-6" OFF CENTERLINE AND 45-3" FORWARD OF AFT BULKHEAD.

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

BARGE "NGL 3138"

1 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,019.92	0	1,668.83	0	1,318.39	0	966.74	0	617.46	0	266.79	0		0		0		0	
1/4	2,012.59	1/4	1,661.54	1/4	1,311.07	1/4	959.41	1/4	610.15	1/4	259.48	1/4		1/4		1/4		1/4	
1/2	2,005.27	1/2	1,654.25	1/2	1,303.75	1/2	952.08	1/2	602.85	1/2	252.18	1/2		1/2		1/2		1/2	
3/4	1,997.94	3/4	1,646.96	3/4	1,296.42	3/4	944.76	3/4	595.54	3/4	244.87	3/4		3/4		3/4		3/4	
1	1,990.61	1	1,639.67	1	1,289.10	1	937.43	1	588.24	1	237.57	1		1		1		1	
1/4	1,983.28	1/4	1,632.38	1/4	1,281.78	1/4	930.10	1/4	580.93	1/4	230.26	1/4		1/4		1/4		1/4	
1/2	1,975.96	1/2	1,625.10	1/2	1,274.45	1/2	922.77	1/2	573.63	1/2	222.96	1/2		1/2		1/2		1/2	
3/4	1,968.63	3/4	1,617.81	3/4	1,267.13	3/4	915.45	3/4	566.32	3/4	215.65	3/4		3/4		3/4		3/4	
2	1,961.30	2	1,610.52	2	1,259.80	2	908.12	2	559.02	2	208.35	2		2		2		2	
1/4	1,953.97	1/4	1,603.23	1/4	1,252.48	1/4	900.79	1/4	551.71	1/4	201.04	1/4		1/4		1/4		1/4	
1/2	1,946.65	1/2	1,595.94	1/2	1,245.15	1/2	893.47	1/2	544.40	1/2	193.73	1/2		1/2		1/2		1/2	
3/4	1,939.32	3/4	1,588.65	3/4	1,237.83	3/4	886.14	3/4	537.10	3/4	186.43	3/4		3/4		3/4		3/4	
3	1,931.99	3	1,581.36	3	1,230.50	3	878.82	3	529.79	3	179.12	3		3		3		3	
1/4	1,924.66	1/4	1,574.07	1/4	1,223.17	1/4	871.49	1/4	522.48	1/4	171.81	1/4		1/4		1/4		1/4	
1/2	1,917.34	1/2	1,566.79	1/2	1,215.85	1/2	864.16	1/2	515.18	1/2	164.51	1/2		1/2		1/2		1/2	
3/4	1,910.01	3/4	1,559.50	3/4	1,208.52	3/4	856.84	3/4	507.87	3/4	157.20	3/4		3/4		3/4		3/4	
4	1,902.68	4	1,552.21	4	1,201.19	4	849.51	4	500.57	4	149.90	4		4		4		4	
1/4	1,895.35	1/4	1,544.92	1/4	1,193.86	1/4	842.18	1/4	493.26	1/4	142.59	1/4		1/4		1/4		1/4	
1/2	1,888.03	1/2	1,537.63	1/2	1,186.54	1/2	834.86	1/2	485.96	1/2	135.29	1/2		1/2		1/2		1/2	
3/4	1,880.70	3/4	1,530.34	3/4	1,179.21	3/4	827.53	3/4	478.65	3/4	127.98	3/4		3/4		3/4		3/4	
5	1,873.37	5	1,523.05	5	1,171.88	5	820.21	5	471.35	5	120.68	5		5		5		5	
1/4	1,866.04	1/4	1,515.76	1/4	1,164.56	1/4	812.98	1/4	464.04	1/4	113.37	1/4		1/4		1/4		1/4	
1/2	1,858.72	1/2	1,508.48	1/2	1,157.23	1/2	805.75	1/2	456.74	1/2	106.07	1/2		1/2		1/2		1/2	
3/4	1,851.39	3/4	1,501.19	3/4	1,149.91	3/4	798.52	3/4	449.43	3/4	98.76	3/4		3/4		3/4		3/4	
6	1,844.06	6	1,493.90	6	1,142.58	6	791.29	6	442.13	6	91.46	6		6		6		6	
1/4	1,836.74	1/4	1,486.61	1/4	1,135.25	1/4	784.06	1/4	434.82	1/4	84.15	1/4		1/4		1/4		1/4	
1/2	1,829.41	1/2	1,479.32	1/2	1,127.93	1/2	776.82	1/2	427.51	1/2	76.85	1/2		1/2		1/2		1/2	
3/4	1,822.09	3/4	1,472.03	3/4	1,120.60	3/4	769.59	3/4	420.21	3/4	69.54	3/4		3/4		3/4		3/4	
7	1,814.76	7	1,464.74	7	1,113.27	7	762.36	7	412.90	7	62.24	7		7		7		7	
1/4	1,807.43	1/4	1,457.45	1/4	1,105.94	1/4	755.13	1/4	405.59	1/4	55.85	1/4		1/4		1/4		1/4	
1/2	1,800.11	1/2	1,450.16	1/2	1,098.62	1/2	747.90	1/2	398.29	1/2	49.46	1/2		1/2		1/2		1/2	
3/4	1,792.78	3/4	1,442.87	3/4	1,091.29	3/4	740.67	3/4	390.98	3/4	43.07	3/4		3/4		3/4		3/4	
8	1,785.45	8	1,435.58	8	1,083.96	8	733.44	8	383.68	8	36.68	8		8		8		8	
1/4	1,778.16	1/4	1,428.26	1/4	1,076.64	1/4	726.21	1/4	376.37	1/4	32.12	1/4		1/4		1/4		1/4	
1/2	1,770.87	1/2	1,420.93	1/2	1,069.31	1/2	718.98	1/2	369.07	1/2	27.56	1/2		1/2		1/2		1/2	
3/4	1,763.58	3/4	1,413.61	3/4	1,061.99	3/4	711.75	3/4	361.76	3/4	23.00	3/4		3/4		3/4		3/4	
9	1,756.29	9	1,406.28	9	1,054.66	9	704.52	9	354.46	9	18.44	9		9		9		9	
1/4	1,749.00	1/4	1,398.96	1/4	1,047.33	1/4	697.29	1/4	347.15	1/4		1/4		1/4		1/4		1/4	
1/2	1,741.72	1/2	1,391.64	1/2	1,040.01	1/2	690.06	1/2	339.85	1/2		1/2		1/2		1/2		1/2	
3/4	1,734.43	3/4	1,384.31	3/4	1,032.68	3/4	682.83	3/4	332.54	3/4		3/4		3/4		3/4		3/4	
10	1,727.14	10	1,376.99	10	1,025.35	10	675.60	10	325.24	10		10		10		10		10	
1/4	1,719.85	1/4	1,369.67	1/4	1,018.02	1/4	668.37	1/4	317.93	1/4		1/4		1/4		1/4		1/4	
1/2	1,712.56	1/2	1,362.34	1/2	1,010.70	1/2	661.14	1/2	310.62	1/2		1/2		1/2		1/2		1/2	
3/4	1,705.27	3/4	1,355.02	3/4	1,003.37	3/4	653.91	3/4	303.32	3/4		3/4		3/4		3/4		3/4	
11	1,697.98	11	1,347.69	11	996.04	11	646.68	11	296.01	11		11		11		11		11	
1/4	1,690.69	1/4	1,340.37	1/4	988.71	1/4	639.37	1/4	288.70	1/4		1/4		1/4		1/4		1/4	
1/2	1,683.41	1/2	1,333.04	1/2	981.39	1/2	632.07	1/2	281.40	1/2		1/2		1/2		1/2		1/2	
3/4	1,676.12	3/4	1,325.72	3/4	974.06	3/4	624.76	3/4	274.09	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/18/2004 CB
DECK MEASUREMENTS: 05/29/2014 SW
REPRINTED: 06/02/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2014

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

BARGE "NGL 3138"

1 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	5,159.62	0	4,833.56	0	4,481.86	0	4,130.15	0	3,778.45	0	3,426.74	0	3,075.03	0	2,723.33	0	2,371.62
1/4		1/4	5,155.65	1/4	4,826.23	1/4	4,474.53	1/4	4,122.82	1/4	3,771.12	1/4	3,419.41	1/4	3,067.70	1/4	2,716.00	1/4	2,364.29
1/2		1/2	5,151.69	1/2	4,818.90	1/2	4,467.20	1/2	4,115.49	1/2	3,763.79	1/2	3,412.08	1/2	3,060.38	1/2	2,708.67	1/2	2,356.96
3/4		3/4	5,147.72	3/4	4,811.58	3/4	4,459.88	3/4	4,108.17	3/4	3,756.47	3/4	3,404.76	3/4	3,053.05	3/4	2,701.35	3/4	2,349.64
1		1	5,143.75	1	4,804.25	1	4,452.55	1	4,100.84	1	3,749.14	1	3,397.43	1	3,045.73	1	2,694.02	1	2,342.31
1/4		1/4	5,138.56	1/4	4,796.92	1/4	4,445.22	1/4	4,093.51	1/4	3,741.81	1/4	3,390.10	1/4	3,038.40	1/4	2,686.69	1/4	2,334.99
1/2		1/2	5,133.37	1/2	4,789.59	1/2	4,437.89	1/2	4,086.18	1/2	3,734.48	1/2	3,382.77	1/2	3,031.07	1/2	2,679.36	1/2	2,327.66
3/4		3/4	5,128.18	3/4	4,782.27	3/4	4,430.57	3/4	4,078.86	3/4	3,727.16	3/4	3,375.45	3/4	3,023.75	3/4	2,672.04	3/4	2,320.34
2		2	5,122.99	2	4,774.94	2	4,423.24	2	4,071.53	2	3,719.83	2	3,368.12	2	3,016.42	2	2,664.71	2	2,313.01
1/4		1/4	5,116.58	1/4	4,767.61	1/4	4,415.91	1/4	4,064.20	1/4	3,712.50	1/4	3,360.79	1/4	3,009.09	1/4	2,657.38	1/4	2,305.68
1/2		1/2	5,110.17	1/2	4,760.29	1/2	4,408.58	1/2	4,056.87	1/2	3,705.17	1/2	3,353.46	1/2	3,001.76	1/2	2,650.05	1/2	2,298.36
3/4		3/4	5,103.75	3/4	4,752.96	3/4	4,401.26	3/4	4,049.55	3/4	3,697.85	3/4	3,346.14	3/4	2,994.44	3/4	2,642.73	3/4	2,291.03
3		3	5,097.34	3	4,745.64	3	4,393.93	3	4,042.22	3	3,690.52	3	3,338.81	3	2,987.11	3	2,635.40	3	2,283.70
1/4		1/4	5,090.01	1/4	4,738.31	1/4	4,386.60	1/4	4,034.89	1/4	3,683.19	1/4	3,331.48	1/4	2,979.78	1/4	2,628.07	1/4	2,276.37
1/2		1/2	5,082.69	1/2	4,730.98	1/2	4,379.27	1/2	4,027.57	1/2	3,675.86	1/2	3,324.15	1/2	2,972.45	1/2	2,620.74	1/2	2,269.05
3/4		3/4	5,075.36	3/4	4,723.66	3/4	4,371.95	3/4	4,020.24	3/4	3,668.54	3/4	3,316.83	3/4	2,965.13	3/4	2,613.42	3/4	2,261.72
4		4	5,068.03	4	4,716.33	4	4,364.62	4	4,012.92	4	3,661.21	4	3,309.50	4	2,957.80	4	2,606.09	4	2,254.39
1/4		1/4	5,060.70	1/4	4,709.00	1/4	4,357.29	1/4	4,005.59	1/4	3,653.88	1/4	3,302.17	1/4	2,950.47	1/4	2,598.76	1/4	2,247.06
1/2		1/2	5,053.38	1/2	4,701.67	1/2	4,349.96	1/2	3,998.26	1/2	3,646.55	1/2	3,294.85	1/2	2,943.14	1/2	2,591.43	1/2	2,239.74
3/4		3/4	5,046.05	3/4	4,694.35	3/4	4,342.64	3/4	3,990.94	3/4	3,639.23	3/4	3,287.52	3/4	2,935.82	3/4	2,584.11	3/4	2,232.41
5		5	5,038.72	5	4,687.02	5	4,335.31	5	3,983.61	5	3,631.90	5	3,280.20	5	2,928.49	5	2,576.78	5	2,225.08
1/4		1/4	5,031.40	1/4	4,679.69	1/4	4,327.98	1/4	3,976.28	1/4	3,624.57	1/4	3,272.87	1/4	2,921.16	1/4	2,569.45	1/4	2,217.75
1/2		1/2	5,024.07	1/2	4,672.36	1/2	4,320.65	1/2	3,968.95	1/2	3,617.24	1/2	3,265.54	1/2	2,913.83	1/2	2,562.13	1/2	2,210.43
3/4		3/4	5,016.75	3/4	4,665.04	3/4	4,313.33	3/4	3,961.63	3/4	3,609.92	3/4	3,258.22	3/4	2,906.51	3/4	2,554.80	3/4	2,203.10
6		6	5,009.42	6	4,657.71	6	4,306.00	6	3,954.30	6	3,602.59	6	3,250.89	6	2,899.18	6	2,547.48	6	2,195.77
1/4		1/4	5,002.09	1/4	4,650.38	1/4	4,298.67	1/4	3,946.97	1/4	3,595.26	1/4	3,243.56	1/4	2,891.85	1/4	2,540.15	1/4	2,188.44
1/2		1/2	4,994.77	1/2	4,643.05	1/2	4,291.35	1/2	3,939.64	1/2	3,587.93	1/2	3,236.23	1/2	2,884.52	1/2	2,532.82	1/2	2,181.12
3/4		3/4	4,987.44	3/4	4,635.73	3/4	4,284.02	3/4	3,932.32	3/4	3,580.61	3/4	3,228.91	3/4	2,877.20	3/4	2,525.50	3/4	2,173.79
7		7	4,980.11	7	4,628.40	7	4,276.70	7	3,924.99	7	3,573.28	7	3,221.58	7	2,869.87	7	2,518.17	7	2,166.46
1/4		1/4	4,972.78	1/4	4,621.07	1/4	4,269.37	1/4	3,917.66	1/4	3,565.95	1/4	3,214.25	1/4	2,862.54	1/4	2,510.84	1/4	2,159.13
1/2		1/2	4,965.46	1/2	4,613.74	1/2	4,262.04	1/2	3,910.33	1/2	3,558.63	1/2	3,206.92	1/2	2,855.21	1/2	2,503.51	1/2	2,151.81
3/4		3/4	4,958.13	3/4	4,606.42	3/4	4,254.72	3/4	3,903.01	3/4	3,551.30	3/4	3,199.60	3/4	2,847.89	3/4	2,496.19	3/4	2,144.48
8		8	4,950.80	8	4,599.09	8	4,247.39	8	3,895.68	8	3,543.98	8	3,192.27	8	2,840.56	8	2,488.86	8	2,137.15
1/4		1/4	4,943.47	1/4	4,591.76	1/4	4,240.06	1/4	3,888.35	1/4	3,536.65	1/4	3,184.94	1/4	2,833.23	1/4	2,481.53	1/4	2,129.82
1/2		1/2	4,936.14	1/2	4,584.43	1/2	4,232.73	1/2	3,881.02	1/2	3,529.32	1/2	3,177.61	1/2	2,825.91	1/2	2,474.20	1/2	2,122.50
3/4		3/4	4,928.82	3/4	4,577.11	3/4	4,225.41	3/4	3,873.70	3/4	3,522.00	3/4	3,170.29	3/4	2,818.58	3/4	2,466.88	3/4	2,115.17
9		9	4,921.49	9	4,569.78	9	4,218.08	9	3,866.37	9	3,514.67	9	3,162.96	9	2,811.26	9	2,459.55	9	2,107.84
1/4		1/4	4,914.16	1/4	4,562.45	1/4	4,210.75	1/4	3,859.04	1/4	3,507.34	1/4	3,155.63	1/4	2,803.93	1/4	2,452.22	1/4	2,100.52
1/2		1/2	4,906.83	1/2	4,555.12	1/2	4,203.42	1/2	3,851.71	1/2	3,500.01	1/2	3,148.30	1/2	2,796.60	1/2	2,444.89	1/2	2,093.19
3/4		3/4	4,899.51	3/4	4,547.80	3/4	4,196.10	3/4	3,844.39	3/4	3,492.69	3/4	3,140.98	3/4	2,789.28	3/4	2,437.57	3/4	2,085.87
10	5,176.72	10	4,892.18	10	4,540.47	10	4,188.77	10	3,837.06	10	3,485.36	10	3,133.65	10	2,781.95	10	2,430.24	10	2,078.54
1/4	5,175.19	1/4	4,884.85	1/4	4,533.14	1/4	4,181.44	1/4	3,829.73	1/4	3,478.03	1/4	3,126.32	1/4	2,774.62	1/4	2,422.91	1/4	2,071.21
1/2	5,173.67	1/2	4,877.52	1/2	4,525.82	1/2	4,174.11	1/2	3,822.40	1/2	3,470.70	1/2	3,118.99	1/2	2,767.29	1/2	2,415.58	1/2	2,063.89
3/4	5,172.14	3/4	4,870.20	3/4	4,518.49	3/4	4,166.79	3/4	3,815.08	3/4	3,463.38	3/4	3,111.67	3/4	2,759.97	3/4	2,408.26	3/4	2,056.56
11	5,170.61	11	4,862.87	11	4,511.17	11	4,159.46	11	3,807.75	11	3,456.05	11	3,104.34	11	2,752.64	11	2,400.93	11	2,049.23
1/4	5,167.86	1/4	4,855.54	1/4	4,503.84	1/4	4,152.13	1/4	3,800.42	1/4	3,448.72	1/4	3,097.01	1/4	2,745.31	1/4	2,393.60	1/4	2,041.90
1/2	5,165.12	1/2	4,848.21	1/2	4,496.51	1/2	4,144.80	1/2	3,793.10	1/2	3,441.39	1/2	3,089.68	1/2	2,737.98	1/2	2,386.27	1/2	2,034.58
3/4	5,162.37	3/4	4,840.89	3/4	4,489.19	3/4	4,137.48	3/4	3,785.77	3/4	3,434.07	3/4	3,082.36	3/4	2,730.66	3/4	2,378.95	3/4	2,027.25

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 TOP LIP OF 2" HERMETIC VALVE.
GAUGE POINT: (HERMETIC) LOCATED 11-06" OFF CENTERLINE AND 45-03" FORWARD OF AFT BULKHEAD.

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

BARGE "NGL 3138"

1 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,019.92	0	1,668.83	0	1,318.39	0	966.74	0	617.46	0	266.79	0		0		0		0	
1/4	2,012.59	1/4	1,661.54	1/4	1,311.07	1/4	959.41	1/4	610.15	1/4	259.48	1/4		1/4		1/4		1/4	
1/2	2,005.27	1/2	1,654.25	1/2	1,303.75	1/2	952.08	1/2	602.85	1/2	252.18	1/2		1/2		1/2		1/2	
3/4	1,997.94	3/4	1,646.96	3/4	1,296.42	3/4	944.76	3/4	595.54	3/4	244.87	3/4		3/4		3/4		3/4	
1	1,990.61	1	1,639.67	1	1,289.10	1	937.43	1	588.24	1	237.57	1		1		1		1	
1/4	1,983.28	1/4	1,632.38	1/4	1,281.78	1/4	930.10	1/4	580.93	1/4	230.26	1/4		1/4		1/4		1/4	
1/2	1,975.96	1/2	1,625.10	1/2	1,274.45	1/2	922.77	1/2	573.63	1/2	222.96	1/2		1/2		1/2		1/2	
3/4	1,968.63	3/4	1,617.81	3/4	1,267.13	3/4	915.45	3/4	566.32	3/4	215.65	3/4		3/4		3/4		3/4	
2	1,961.30	2	1,610.52	2	1,259.80	2	908.12	2	559.02	2	208.35	2		2		2		2	
1/4	1,953.97	1/4	1,603.23	1/4	1,252.48	1/4	900.79	1/4	551.71	1/4	201.04	1/4		1/4		1/4		1/4	
1/2	1,946.65	1/2	1,595.94	1/2	1,245.15	1/2	893.47	1/2	544.40	1/2	193.73	1/2		1/2		1/2		1/2	
3/4	1,939.32	3/4	1,588.65	3/4	1,237.83	3/4	886.14	3/4	537.10	3/4	186.43	3/4		3/4		3/4		3/4	
3	1,931.99	3	1,581.36	3	1,230.50	3	878.82	3	529.79	3	179.12	3		3		3		3	
1/4	1,924.66	1/4	1,574.07	1/4	1,223.17	1/4	871.49	1/4	522.48	1/4	171.81	1/4		1/4		1/4		1/4	
1/2	1,917.34	1/2	1,566.79	1/2	1,215.85	1/2	864.16	1/2	515.18	1/2	164.51	1/2		1/2		1/2		1/2	
3/4	1,910.01	3/4	1,559.50	3/4	1,208.52	3/4	856.84	3/4	507.87	3/4	157.20	3/4		3/4		3/4		3/4	
4	1,902.68	4	1,552.21	4	1,201.19	4	849.51	4	500.57	4	149.90	4		4		4		4	
1/4	1,895.35	1/4	1,544.92	1/4	1,193.86	1/4	842.18	1/4	493.26	1/4	142.59	1/4		1/4		1/4		1/4	
1/2	1,888.03	1/2	1,537.63	1/2	1,186.54	1/2	834.86	1/2	485.96	1/2	135.29	1/2		1/2		1/2		1/2	
3/4	1,880.70	3/4	1,530.34	3/4	1,179.21	3/4	827.53	3/4	478.65	3/4	127.98	3/4		3/4		3/4		3/4	
5	1,873.37	5	1,523.05	5	1,171.88	5	820.21	5	471.35	5	120.68	5		5		5		5	
1/4	1,866.04	1/4	1,515.76	1/4	1,164.56	1/4	812.98	1/4	464.04	1/4	113.37	1/4		1/4		1/4		1/4	
1/2	1,858.72	1/2	1,508.48	1/2	1,157.23	1/2	805.75	1/2	456.74	1/2	106.07	1/2		1/2		1/2		1/2	
3/4	1,851.39	3/4	1,501.19	3/4	1,149.91	3/4	798.52	3/4	449.43	3/4	98.76	3/4		3/4		3/4		3/4	
6	1,844.06	6	1,493.90	6	1,142.58	6	791.29	6	442.13	6	91.46	6		6		6		6	
1/4	1,836.74	1/4	1,486.61	1/4	1,135.25	1/4	784.06	1/4	434.82	1/4	84.15	1/4		1/4		1/4		1/4	
1/2	1,829.41	1/2	1,479.32	1/2	1,127.93	1/2	776.82	1/2	427.51	1/2	76.85	1/2		1/2		1/2		1/2	
3/4	1,822.09	3/4	1,472.03	3/4	1,120.60	3/4	769.59	3/4	420.21	3/4	69.54	3/4		3/4		3/4		3/4	
7	1,814.76	7	1,464.74	7	1,113.27	7	762.36	7	412.90	7	62.24	7		7		7		7	
1/4	1,807.43	1/4	1,457.45	1/4	1,105.94	1/4	755.13	1/4	405.59	1/4	55.85	1/4		1/4		1/4		1/4	
1/2	1,800.11	1/2	1,450.16	1/2	1,098.62	1/2	747.90	1/2	398.29	1/2	49.46	1/2		1/2		1/2		1/2	
3/4	1,792.78	3/4	1,442.87	3/4	1,091.29	3/4	740.67	3/4	390.98	3/4	43.07	3/4		3/4		3/4		3/4	
8	1,785.45	8	1,435.58	8	1,083.96	8	733.44	8	383.68	8	36.68	8		8		8		8	
1/4	1,778.16	1/4	1,428.26	1/4	1,076.64	1/4	726.21	1/4	376.37	1/4	32.12	1/4		1/4		1/4		1/4	
1/2	1,770.87	1/2	1,420.93	1/2	1,069.31	1/2	718.98	1/2	369.07	1/2	27.56	1/2		1/2		1/2		1/2	
3/4	1,763.58	3/4	1,413.61	3/4	1,061.99	3/4	711.75	3/4	361.76	3/4	23.00	3/4		3/4		3/4		3/4	
9	1,756.29	9	1,406.28	9	1,054.66	9	704.52	9	354.46	9	18.44	9		9		9		9	
1/4	1,749.00	1/4	1,398.96	1/4	1,047.33	1/4	697.29	1/4	347.15	1/4		1/4		1/4		1/4		1/4	
1/2	1,741.72	1/2	1,391.64	1/2	1,040.01	1/2	690.06	1/2	339.85	1/2		1/2		1/2		1/2		1/2	
3/4	1,734.43	3/4	1,384.31	3/4	1,032.68	3/4	682.83	3/4	332.54	3/4		3/4		3/4		3/4		3/4	
10	1,727.14	10	1,376.99	10	1,025.35	10	675.60	10	325.24	10		10		10		10		10	
1/4	1,719.85	1/4	1,369.67	1/4	1,018.02	1/4	668.37	1/4	317.93	1/4		1/4		1/4		1/4		1/4	
1/2	1,712.56	1/2	1,362.34	1/2	1,010.70	1/2	661.14	1/2	310.62	1/2		1/2		1/2		1/2		1/2	
3/4	1,705.27	3/4	1,355.02	3/4	1,003.37	3/4	653.91	3/4	303.32	3/4		3/4		3/4		3/4		3/4	
11	1,697.98	11	1,347.69	11	996.04	11	646.68	11	296.01	11		11		11		11		11	
1/4	1,690.69	1/4	1,340.37	1/4	988.71	1/4	639.37	1/4	288.70	1/4		1/4		1/4		1/4		1/4	
1/2	1,683.41	1/2	1,333.04	1/2	981.39	1/2	632.07	1/2	281.40	1/2		1/2		1/2		1/2		1/2	
3/4	1,676.12	3/4	1,325.72	3/4	974.06	3/4	624.76	3/4	274.09	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/18/2004 CB
DECK MEASUREMENTS: 05/29/2014 SW
REPRINTED: 06/02/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "NGL 3138"

2 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	5,275.82	0	4,932.74	0	4,573.73	0	4,214.71	0	3,855.69	0	3,496.68	0	3,137.66	0	2,778.65	0	2,419.63
1/4		1/4	5,271.15	1/4	4,925.26	1/4	4,566.25	1/4	4,207.23	1/4	3,848.21	1/4	3,489.20	1/4	3,130.18	1/4	2,771.17	1/4	2,412.15
1/2		1/2	5,266.49	1/2	4,917.78	1/2	4,558.77	1/2	4,199.75	1/2	3,840.74	1/2	3,481.72	1/2	3,122.70	1/2	2,763.69	1/2	2,404.67
3/4		3/4	5,261.82	3/4	4,910.30	3/4	4,551.29	3/4	4,192.27	3/4	3,833.26	3/4	3,474.24	3/4	3,115.22	3/4	2,756.21	3/4	2,397.19
1		1	5,255.90	1	4,902.82	1	4,543.81	1	4,184.79	1	3,825.78	1	3,466.76	1	3,107.74	1	2,748.73	1	2,389.71
1/4		1/4	5,249.98	1/4	4,895.34	1/4	4,536.33	1/4	4,177.31	1/4	3,818.30	1/4	3,459.28	1/4	3,100.26	1/4	2,741.25	1/4	2,382.23
1/2		1/2	5,244.07	1/2	4,887.87	1/2	4,528.85	1/2	4,169.83	1/2	3,810.82	1/2	3,451.80	1/2	3,092.79	1/2	2,733.77	1/2	2,374.75
3/4		3/4	5,238.15	3/4	4,880.39	3/4	4,521.37	3/4	4,162.35	3/4	3,803.34	3/4	3,444.32	3/4	3,085.31	3/4	2,726.29	3/4	2,367.27
2		2	5,230.98	2	4,872.91	2	4,513.89	2	4,154.87	2	3,795.86	2	3,436.84	2	3,077.83	2	2,718.81	2	2,359.79
1/4		1/4	5,223.81	1/4	4,865.43	1/4	4,506.41	1/4	4,147.39	1/4	3,788.38	1/4	3,429.36	1/4	3,070.35	1/4	2,711.33	1/4	2,352.31
1/2		1/2	5,216.65	1/2	4,857.95	1/2	4,498.93	1/2	4,139.92	1/2	3,780.90	1/2	3,421.88	1/2	3,062.87	1/2	2,703.85	1/2	2,344.84
3/4		3/4	5,209.48	3/4	4,850.47	3/4	4,491.45	3/4	4,132.44	3/4	3,773.42	3/4	3,414.40	3/4	3,055.39	3/4	2,696.37	3/4	2,337.36
3		3	5,202.00	3	4,842.99	3	4,483.97	3	4,124.96	3	3,765.94	3	3,406.92	3	3,047.91	3	2,688.89	3	2,329.88
1/4		1/4	5,194.52	1/4	4,835.51	1/4	4,476.49	1/4	4,117.48	1/4	3,758.46	1/4	3,399.44	1/4	3,040.43	1/4	2,681.41	1/4	2,322.40
1/2		1/2	5,187.05	1/2	4,828.03	1/2	4,469.01	1/2	4,110.00	1/2	3,750.98	1/2	3,391.97	1/2	3,032.95	1/2	2,673.93	1/2	2,314.92
3/4		3/4	5,179.57	3/4	4,820.55	3/4	4,461.53	3/4	4,102.52	3/4	3,743.50	3/4	3,384.49	3/4	3,025.47	3/4	2,666.45	3/4	2,307.44
4		4	5,172.09	4	4,813.07	4	4,454.05	4	4,095.04	4	3,736.02	4	3,377.01	4	3,017.99	4	2,658.97	4	2,299.96
1/4		1/4	5,164.61	1/4	4,805.59	1/4	4,446.57	1/4	4,087.56	1/4	3,728.54	1/4	3,369.53	1/4	3,010.51	1/4	2,651.49	1/4	2,292.48
1/2		1/2	5,157.13	1/2	4,798.11	1/2	4,439.10	1/2	4,080.08	1/2	3,721.06	1/2	3,362.05	1/2	3,003.03	1/2	2,644.02	1/2	2,285.00
3/4		3/4	5,149.65	3/4	4,790.63	3/4	4,431.62	3/4	4,072.60	3/4	3,713.58	3/4	3,354.57	3/4	2,995.55	3/4	2,636.54	3/4	2,277.52
5		5	5,142.17	5	4,783.15	5	4,424.14	5	4,065.12	5	3,706.10	5	3,347.09	5	2,988.07	5	2,629.06	5	2,270.04
1/4		1/4	5,134.69	1/4	4,775.67	1/4	4,416.66	1/4	4,057.64	1/4	3,698.62	1/4	3,339.61	1/4	2,980.59	1/4	2,621.58	1/4	2,262.56
1/2		1/2	5,127.21	1/2	4,768.19	1/2	4,409.18	1/2	4,050.16	1/2	3,691.15	1/2	3,332.13	1/2	2,973.11	1/2	2,614.10	1/2	2,255.08
3/4		3/4	5,119.73	3/4	4,760.71	3/4	4,401.70	3/4	4,042.68	3/4	3,683.67	3/4	3,324.65	3/4	2,965.63	3/4	2,606.62	3/4	2,247.60
6		6	5,112.25	6	4,753.23	6	4,394.22	6	4,035.20	6	3,676.19	6	3,317.17	6	2,958.15	6	2,599.14	6	2,240.12
1/4		1/4	5,104.77	1/4	4,745.75	1/4	4,386.74	1/4	4,027.72	1/4	3,668.71	1/4	3,309.69	1/4	2,950.67	1/4	2,591.66	1/4	2,232.64
1/2		1/2	5,097.29	1/2	4,738.28	1/2	4,379.26	1/2	4,020.24	1/2	3,661.23	1/2	3,302.21	1/2	2,943.20	1/2	2,584.18	1/2	2,225.16
3/4		3/4	5,089.81	3/4	4,730.80	3/4	4,371.78	3/4	4,012.76	3/4	3,653.75	3/4	3,294.73	3/4	2,935.72	3/4	2,576.70	3/4	2,217.68
7		7	5,082.33	7	4,723.32	7	4,364.30	7	4,005.28	7	3,646.27	7	3,287.25	7	2,928.24	7	2,569.22	7	2,210.20
1/4		1/4	5,074.85	1/4	4,715.84	1/4	4,356.82	1/4	3,997.80	1/4	3,638.79	1/4	3,279.77	1/4	2,920.76	1/4	2,561.74	1/4	2,202.72
1/2		1/2	5,067.37	1/2	4,708.36	1/2	4,349.34	1/2	3,990.33	1/2	3,631.31	1/2	3,272.29	1/2	2,913.28	1/2	2,554.26	1/2	2,195.25
3/4		3/4	5,059.89	3/4	4,700.88	3/4	4,341.86	3/4	3,982.85	3/4	3,623.83	3/4	3,264.81	3/4	2,905.80	3/4	2,546.78	3/4	2,187.77
8		8	5,052.41	8	4,693.40	8	4,334.38	8	3,975.37	8	3,616.35	8	3,257.33	8	2,898.32	8	2,539.30	8	2,180.29
1/4		1/4	5,044.93	1/4	4,685.92	1/4	4,326.90	1/4	3,967.89	1/4	3,608.87	1/4	3,249.85	1/4	2,890.84	1/4	2,531.82	1/4	2,172.81
1/2		1/2	5,037.46	1/2	4,678.44	1/2	4,319.42	1/2	3,960.41	1/2	3,601.39	1/2	3,242.38	1/2	2,883.36	1/2	2,524.34	1/2	2,165.33
3/4		3/4	5,029.98	3/4	4,670.96	3/4	4,311.94	3/4	3,952.93	3/4	3,593.91	3/4	3,234.90	3/4	2,875.88	3/4	2,516.86	3/4	2,157.85
9	5,306.50	9	5,022.50	9	4,663.48	9	4,304.46	9	3,945.45	9	3,586.43	9	3,227.42	9	2,868.40	9	2,509.38	9	2,150.37
1/4	5,305.27	1/4	5,015.02	1/4	4,656.00	1/4	4,296.98	1/4	3,937.97	1/4	3,578.95	1/4	3,219.94	1/4	2,860.92	1/4	2,501.90	1/4	2,142.89
1/2	5,304.05	1/2	5,007.54	1/2	4,648.52	1/2	4,289.51	1/2	3,930.49	1/2	3,571.47	1/2	3,212.46	1/2	2,853.44	1/2	2,494.43	1/2	2,135.41
3/4	5,302.82	3/4	5,000.06	3/4	4,641.04	3/4	4,282.03	3/4	3,923.01	3/4	3,563.99	3/4	3,204.98	3/4	2,845.96	3/4	2,486.95	3/4	2,127.93
10	5,300.65	10	4,992.58	10	4,633.56	10	4,274.55	10	3,915.53	10	3,556.51	10	3,197.50	10	2,838.48	10	2,479.47	10	2,120.45
1/4	5,298.48	1/4	4,985.10	1/4	4,626.08	1/4	4,267.07	1/4	3,908.05	1/4	3,549.03	1/4	3,190.02	1/4	2,831.00	1/4	2,471.99	1/4	2,112.97
1/2	5,296.32	1/2	4,977.62	1/2	4,618.60	1/2	4,259.59	1/2	3,900.57	1/2	3,541.56	1/2	3,182.54	1/2	2,823.52	1/2	2,464.51	1/2	2,105.49
3/4	5,294.15	3/4	4,970.14	3/4	4,611.12	3/4	4,252.11	3/4	3,893.09	3/4	3,534.08	3/4	3,175.06	3/4	2,816.04	3/4	2,457.03	3/4	2,098.01
11	5,290.73	11	4,962.66	11	4,603.64	11	4,244.63	11	3,885.61	11	3,526.60	11	3,167.58	11	2,808.56	11	2,449.55	11	2,090.53
1/4	5,287.32	1/4	4,955.18	1/4	4,596.16	1/4	4,237.15	1/4	3,878.13	1/4	3,519.12	1/4	3,160.10	1/4	2,801.08	1/4	2,442.07	1/4	2,083.05
1/2	5,283.90	1/2	4,947.70	1/2	4,588.69	1/2	4,229.67	1/2	3,870.65	1/2	3,511.64	1/2	3,152.62	1/2	2,793.61	1/2	2,434.59	1/2	2,075.57
3/4	5,280.49	3/4	4,940.22	3/4	4,581.21	3/4	4,222.19	3/4	3,863.17	3/4	3,504.16	3/4	3,145.14	3/4	2,786.13	3/4	2,427.11	3/4	2,068.09

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 TOP LIP OF 2" HERMETIC VALVE.
GAUGE POINT: (HERMETIC) LOCATED 11-06" OFF CENTERLINE AND 45-00" FORWARD OF AFT BULKHEAD.

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

BARGE "NGL 3138"

2 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,060.61	0	1,701.60	0	1,342.58	0	983.57	0	624.55	0	265.53	0		0		0		0	
1/4	2,053.13	1/4	1,694.12	1/4	1,335.10	1/4	976.09	1/4	617.07	1/4	258.05	1/4		1/4		1/4		1/4	
1/2	2,045.66	1/2	1,686.64	1/2	1,327.62	1/2	968.61	1/2	609.59	1/2	250.58	1/2		1/2		1/2		1/2	
3/4	2,038.18	3/4	1,679.16	3/4	1,320.14	3/4	961.13	3/4	602.11	3/4	243.10	3/4		3/4		3/4		3/4	
1	2,030.70	1	1,671.68	1	1,312.66	1	953.65	1	594.63	1	235.62	1		1		1		1	
1/4	2,023.22	1/4	1,664.20	1/4	1,305.18	1/4	946.17	1/4	587.15	1/4	228.14	1/4		1/4		1/4		1/4	
1/2	2,015.74	1/2	1,656.72	1/2	1,297.71	1/2	938.69	1/2	579.67	1/2	220.66	1/2		1/2		1/2		1/2	
3/4	2,008.26	3/4	1,649.24	3/4	1,290.23	3/4	931.21	3/4	572.19	3/4	213.18	3/4		3/4		3/4		3/4	
2	2,000.78	2	1,641.76	2	1,282.75	2	923.73	2	564.71	2	205.70	2		2		2		2	
1/4	1,993.30	1/4	1,634.28	1/4	1,275.27	1/4	916.25	1/4	557.23	1/4	198.22	1/4		1/4		1/4		1/4	
1/2	1,985.82	1/2	1,626.80	1/2	1,267.79	1/2	908.77	1/2	549.76	1/2	190.74	1/2		1/2		1/2		1/2	
3/4	1,978.34	3/4	1,619.32	3/4	1,260.31	3/4	901.29	3/4	542.28	3/4	183.26	3/4		3/4		3/4		3/4	
3	1,970.86	3	1,611.84	3	1,252.83	3	893.81	3	534.80	3	175.78	3		3		3		3	
1/4	1,963.38	1/4	1,604.36	1/4	1,245.35	1/4	886.33	1/4	527.32	1/4	168.30	1/4		1/4		1/4		1/4	
1/2	1,955.90	1/2	1,596.89	1/2	1,237.87	1/2	878.85	1/2	519.84	1/2	160.82	1/2		1/2		1/2		1/2	
3/4	1,948.42	3/4	1,589.41	3/4	1,230.39	3/4	871.37	3/4	512.36	3/4	153.34	3/4		3/4		3/4		3/4	
4	1,940.94	4	1,581.93	4	1,222.91	4	863.89	4	504.88	4	145.86	4		4		4		4	
1/4	1,933.46	1/4	1,574.45	1/4	1,215.43	1/4	856.41	1/4	497.40	1/4	138.38	1/4		1/4		1/4		1/4	
1/2	1,925.98	1/2	1,566.97	1/2	1,207.95	1/2	848.94	1/2	489.92	1/2	130.90	1/2		1/2		1/2		1/2	
3/4	1,918.50	3/4	1,559.49	3/4	1,200.47	3/4	841.46	3/4	482.44	3/4	123.42	3/4		3/4		3/4		3/4	
5	1,911.02	5	1,552.01	5	1,192.99	5	833.98	5	474.96	5	115.94	5		5		5		5	
1/4	1,903.54	1/4	1,544.53	1/4	1,185.51	1/4	826.50	1/4	467.48	1/4	108.46	1/4		1/4		1/4		1/4	
1/2	1,896.07	1/2	1,537.05	1/2	1,178.03	1/2	819.02	1/2	460.00	1/2	100.99	1/2		1/2		1/2		1/2	
3/4	1,888.59	3/4	1,529.57	3/4	1,170.55	3/4	811.54	3/4	452.52	3/4	93.51	3/4		3/4		3/4		3/4	
6	1,881.11	6	1,522.09	6	1,163.07	6	804.06	6	445.04	6	86.03	6		6		6		6	
1/4	1,873.63	1/4	1,514.61	1/4	1,155.59	1/4	796.58	1/4	437.56	1/4	78.55	1/4		1/4		1/4		1/4	
1/2	1,866.15	1/2	1,507.13	1/2	1,148.12	1/2	789.10	1/2	430.08	1/2	71.07	1/2		1/2		1/2		1/2	
3/4	1,858.67	3/4	1,499.65	3/4	1,140.64	3/4	781.62	3/4	422.60	3/4	63.59	3/4		3/4		3/4		3/4	
7	1,851.19	7	1,492.17	7	1,133.16	7	774.14	7	415.12	7	57.05	7		7		7		7	
1/4	1,843.71	1/4	1,484.69	1/4	1,125.68	1/4	766.66	1/4	407.64	1/4	50.50	1/4		1/4		1/4		1/4	
1/2	1,836.23	1/2	1,477.21	1/2	1,118.20	1/2	759.18	1/2	400.17	1/2	43.96	1/2		1/2		1/2		1/2	
3/4	1,828.75	3/4	1,469.73	3/4	1,110.72	3/4	751.70	3/4	392.69	3/4	37.42	3/4		3/4		3/4		3/4	
8	1,821.27	8	1,462.25	8	1,103.24	8	744.22	8	385.21	8	32.75	8		8		8		8	
1/4	1,813.79	1/4	1,454.77	1/4	1,095.76	1/4	736.74	1/4	377.73	1/4	28.08	1/4		1/4		1/4		1/4	
1/2	1,806.31	1/2	1,447.30	1/2	1,088.28	1/2	729.26	1/2	370.25	1/2	23.42	1/2		1/2		1/2		1/2	
3/4	1,798.83	3/4	1,439.82	3/4	1,080.80	3/4	721.78	3/4	362.77	3/4	18.75	3/4		3/4		3/4		3/4	
9	1,791.35	9	1,432.34	9	1,073.32	9	714.30	9	355.29	9		9		9		9		9	
1/4	1,783.87	1/4	1,424.86	1/4	1,065.84	1/4	706.82	1/4	347.81	1/4		1/4		1/4		1/4		1/4	
1/2	1,776.39	1/2	1,417.38	1/2	1,058.36	1/2	699.35	1/2	340.33	1/2		1/2		1/2		1/2		1/2	
3/4	1,768.91	3/4	1,409.90	3/4	1,050.88	3/4	691.87	3/4	332.85	3/4		3/4		3/4		3/4		3/4	
10	1,761.43	10	1,402.42	10	1,043.40	10	684.39	10	325.37	10		10		10		10		10	
1/4	1,753.95	1/4	1,394.94	1/4	1,035.92	1/4	676.91	1/4	317.89	1/4		1/4		1/4		1/4		1/4	
1/2	1,746.48	1/2	1,387.46	1/2	1,028.44	1/2	669.43	1/2	310.41	1/2		1/2		1/2		1/2		1/2	
3/4	1,739.00	3/4	1,379.98	3/4	1,020.96	3/4	661.95	3/4	302.93	3/4		3/4		3/4		3/4		3/4	
11	1,731.52	11	1,372.50	11	1,013.48	11	654.47	11	295.45	11		11		11		11		11	
1/4	1,724.04	1/4	1,365.02	1/4	1,006.00	1/4	646.99	1/4	287.97	1/4		1/4		1/4		1/4		1/4	
1/2	1,716.56	1/2	1,357.54	1/2	998.53	1/2	639.51	1/2	280.49	1/2		1/2		1/2		1/2		1/2	
3/4	1,709.08	3/4	1,350.06	3/4	991.05	3/4	632.03	3/4	273.01	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/18/2004 CB
DECK MEASUREMENTS: 05/29/2014 SW
REPRINTED: 06/02/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "NGL 3138"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	5,275.82	0	4,932.74	0	4,573.73	0	4,214.71	0	3,855.69	0	3,496.68	0	3,137.66	0	2,778.65	0	2,419.63
1/4		1/4	5,271.15	1/4	4,925.26	1/4	4,566.25	1/4	4,207.23	1/4	3,848.21	1/4	3,489.20	1/4	3,130.18	1/4	2,771.17	1/4	2,412.15
1/2		1/2	5,266.49	1/2	4,917.78	1/2	4,558.77	1/2	4,199.75	1/2	3,840.74	1/2	3,481.72	1/2	3,122.70	1/2	2,763.69	1/2	2,404.67
3/4		3/4	5,261.82	3/4	4,910.30	3/4	4,551.29	3/4	4,192.27	3/4	3,833.26	3/4	3,474.24	3/4	3,115.22	3/4	2,756.21	3/4	2,397.19
1		1	5,255.90	1	4,902.82	1	4,543.81	1	4,184.79	1	3,825.78	1	3,466.76	1	3,107.74	1	2,748.73	1	2,389.71
1/4		1/4	5,249.98	1/4	4,895.34	1/4	4,536.33	1/4	4,177.31	1/4	3,818.30	1/4	3,459.28	1/4	3,100.26	1/4	2,741.25	1/4	2,382.23
1/2		1/2	5,244.07	1/2	4,887.87	1/2	4,528.85	1/2	4,169.83	1/2	3,810.82	1/2	3,451.80	1/2	3,092.79	1/2	2,733.77	1/2	2,374.75
3/4		3/4	5,238.15	3/4	4,880.39	3/4	4,521.37	3/4	4,162.35	3/4	3,803.34	3/4	3,444.32	3/4	3,085.31	3/4	2,726.29	3/4	2,367.27
2		2	5,230.98	2	4,872.91	2	4,513.89	2	4,154.87	2	3,795.86	2	3,436.84	2	3,077.83	2	2,718.81	2	2,359.79
1/4		1/4	5,223.81	1/4	4,865.43	1/4	4,506.41	1/4	4,147.39	1/4	3,788.38	1/4	3,429.36	1/4	3,070.35	1/4	2,711.33	1/4	2,352.31
1/2		1/2	5,216.65	1/2	4,857.95	1/2	4,498.93	1/2	4,139.92	1/2	3,780.90	1/2	3,421.88	1/2	3,062.87	1/2	2,703.85	1/2	2,344.84
3/4		3/4	5,209.48	3/4	4,850.47	3/4	4,491.45	3/4	4,132.44	3/4	3,773.42	3/4	3,414.40	3/4	3,055.39	3/4	2,696.37	3/4	2,337.36
3		3	5,202.00	3	4,842.99	3	4,483.97	3	4,124.96	3	3,765.94	3	3,406.92	3	3,047.91	3	2,688.89	3	2,329.88
1/4		1/4	5,194.52	1/4	4,835.51	1/4	4,476.49	1/4	4,117.48	1/4	3,758.46	1/4	3,399.44	1/4	3,040.43	1/4	2,681.41	1/4	2,322.40
1/2		1/2	5,187.05	1/2	4,828.03	1/2	4,469.01	1/2	4,110.00	1/2	3,750.98	1/2	3,391.97	1/2	3,032.95	1/2	2,673.93	1/2	2,314.92
3/4		3/4	5,179.57	3/4	4,820.55	3/4	4,461.53	3/4	4,102.52	3/4	3,743.50	3/4	3,384.49	3/4	3,025.47	3/4	2,666.45	3/4	2,307.44
4		4	5,172.09	4	4,813.07	4	4,454.05	4	4,095.04	4	3,736.02	4	3,377.01	4	3,017.99	4	2,658.97	4	2,299.96
1/4		1/4	5,164.61	1/4	4,805.59	1/4	4,446.57	1/4	4,087.56	1/4	3,728.54	1/4	3,369.53	1/4	3,010.51	1/4	2,651.49	1/4	2,292.48
1/2		1/2	5,157.13	1/2	4,798.11	1/2	4,439.10	1/2	4,080.08	1/2	3,721.06	1/2	3,362.05	1/2	3,003.03	1/2	2,644.02	1/2	2,285.00
3/4		3/4	5,149.65	3/4	4,790.63	3/4	4,431.62	3/4	4,072.60	3/4	3,713.58	3/4	3,354.57	3/4	2,995.55	3/4	2,636.54	3/4	2,277.52
5		5	5,142.17	5	4,783.15	5	4,424.14	5	4,065.12	5	3,706.10	5	3,347.09	5	2,988.07	5	2,629.06	5	2,270.04
1/4		1/4	5,134.69	1/4	4,775.67	1/4	4,416.66	1/4	4,057.64	1/4	3,698.62	1/4	3,339.61	1/4	2,980.59	1/4	2,621.58	1/4	2,262.56
1/2		1/2	5,127.21	1/2	4,768.19	1/2	4,409.18	1/2	4,050.16	1/2	3,691.15	1/2	3,332.13	1/2	2,973.11	1/2	2,614.10	1/2	2,255.08
3/4		3/4	5,119.73	3/4	4,760.71	3/4	4,401.70	3/4	4,042.68	3/4	3,683.67	3/4	3,324.65	3/4	2,965.63	3/4	2,606.62	3/4	2,247.60
6		6	5,112.25	6	4,753.23	6	4,394.22	6	4,035.20	6	3,676.19	6	3,317.17	6	2,958.15	6	2,599.14	6	2,240.12
1/4		1/4	5,104.77	1/4	4,745.75	1/4	4,386.74	1/4	4,027.72	1/4	3,668.71	1/4	3,309.69	1/4	2,950.67	1/4	2,591.66	1/4	2,232.64
1/2		1/2	5,097.29	1/2	4,738.28	1/2	4,379.26	1/2	4,020.24	1/2	3,661.23	1/2	3,302.21	1/2	2,943.20	1/2	2,584.18	1/2	2,225.16
3/4		3/4	5,089.81	3/4	4,730.80	3/4	4,371.78	3/4	4,012.76	3/4	3,653.75	3/4	3,294.73	3/4	2,935.72	3/4	2,576.70	3/4	2,217.68
7		7	5,082.33	7	4,723.32	7	4,364.30	7	4,005.28	7	3,646.27	7	3,287.25	7	2,928.24	7	2,569.22	7	2,210.20
1/4		1/4	5,074.85	1/4	4,715.84	1/4	4,356.82	1/4	3,997.80	1/4	3,638.79	1/4	3,279.77	1/4	2,920.76	1/4	2,561.74	1/4	2,202.72
1/2		1/2	5,067.37	1/2	4,708.36	1/2	4,349.34	1/2	3,990.33	1/2	3,631.31	1/2	3,272.29	1/2	2,913.28	1/2	2,554.26	1/2	2,195.25
3/4		3/4	5,059.89	3/4	4,700.88	3/4	4,341.86	3/4	3,982.85	3/4	3,623.83	3/4	3,264.81	3/4	2,905.80	3/4	2,546.78	3/4	2,187.77
8		8	5,052.41	8	4,693.40	8	4,334.38	8	3,975.37	8	3,616.35	8	3,257.33	8	2,898.32	8	2,539.30	8	2,180.29
1/4		1/4	5,044.93	1/4	4,685.92	1/4	4,326.90	1/4	3,967.89	1/4	3,608.87	1/4	3,249.85	1/4	2,890.84	1/4	2,531.82	1/4	2,172.81
1/2		1/2	5,037.46	1/2	4,678.44	1/2	4,319.42	1/2	3,960.41	1/2	3,601.39	1/2	3,242.38	1/2	2,883.36	1/2	2,524.34	1/2	2,165.33
3/4		3/4	5,029.98	3/4	4,670.96	3/4	4,311.94	3/4	3,952.93	3/4	3,593.91	3/4	3,234.90	3/4	2,875.88	3/4	2,516.86	3/4	2,157.85
9	5,306.50	9	5,022.50	9	4,663.48	9	4,304.46	9	3,945.45	9	3,586.43	9	3,227.42	9	2,868.40	9	2,509.38	9	2,150.37
1/4	5,305.27	1/4	5,015.02	1/4	4,656.00	1/4	4,296.98	1/4	3,937.97	1/4	3,578.95	1/4	3,219.94	1/4	2,860.92	1/4	2,501.90	1/4	2,142.89
1/2	5,304.05	1/2	5,007.54	1/2	4,648.52	1/2	4,289.51	1/2	3,930.49	1/2	3,571.47	1/2	3,212.46	1/2	2,853.44	1/2	2,494.43	1/2	2,135.41
3/4	5,302.82	3/4	5,000.06	3/4	4,641.04	3/4	4,282.03	3/4	3,923.01	3/4	3,563.99	3/4	3,204.98	3/4	2,845.96	3/4	2,486.95	3/4	2,127.93
10	5,300.65	10	4,992.58	10	4,633.56	10	4,274.55	10	3,915.53	10	3,556.51	10	3,197.50	10	2,838.48	10	2,479.47	10	2,120.45
1/4	5,298.48	1/4	4,985.10	1/4	4,626.08	1/4	4,267.07	1/4	3,908.05	1/4	3,549.03	1/4	3,190.02	1/4	2,831.00	1/4	2,471.99	1/4	2,112.97
1/2	5,296.32	1/2	4,977.62	1/2	4,618.60	1/2	4,259.59	1/2	3,900.57	1/2	3,541.56	1/2	3,182.54	1/2	2,823.52	1/2	2,464.51	1/2	2,105.49
3/4	5,294.15	3/4	4,970.14	3/4	4,611.12	3/4	4,252.11	3/4	3,893.09	3/4	3,534.08	3/4	3,175.06	3/4	2,816.04	3/4	2,457.03	3/4	2,098.01
11	5,290.73	11	4,962.66	11	4,603.64	11	4,244.63	11	3,885.61	11	3,526.60	11	3,167.58	11	2,808.56	11	2,449.55	11	2,090.53
1/4	5,287.32	1/4	4,955.18	1/4	4,596.16	1/4	4,237.15	1/4	3,878.13	1/4	3,519.12	1/4	3,160.10	1/4	2,801.08	1/4	2,442.07	1/4	2,083.05
1/2	5,283.90	1/2	4,947.70	1/2	4,588.69	1/2	4,229.67	1/2	3,870.65	1/2	3,511.64	1/2	3,152.62	1/2	2,793.61	1/2	2,434.59	1/2	2,075.57
3/4	5,280.49	3/4	4,940.22	3/4	4,581.21	3/4	4,222.19	3/4	3,863.17	3/4	3,504.16	3/4	3,145.14	3/4	2,786.13	3/4	2,427.11	3/4	2,068.09

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 TOP LIP OF 2" HERMETIC VALVE.
GAUGE POINT: (HERMETIC) LOCATED 11-06" OFF CENTERLINE AND 45-00" FORWARD OF AFT BULKHEAD.

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

BARGE "NGL 3138"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,060.61	0	1,701.60	0	1,342.58	0	983.57	0	624.55	0	265.53	0		0		0		0	
1/4	2,053.13	1/4	1,694.12	1/4	1,335.10	1/4	976.09	1/4	617.07	1/4	258.05	1/4		1/4		1/4		1/4	
1/2	2,045.66	1/2	1,686.64	1/2	1,327.62	1/2	968.61	1/2	609.59	1/2	250.58	1/2		1/2		1/2		1/2	
3/4	2,038.18	3/4	1,679.16	3/4	1,320.14	3/4	961.13	3/4	602.11	3/4	243.10	3/4		3/4		3/4		3/4	
1	2,030.70	1	1,671.68	1	1,312.66	1	953.65	1	594.63	1	235.62	1		1		1		1	
1/4	2,023.22	1/4	1,664.20	1/4	1,305.18	1/4	946.17	1/4	587.15	1/4	228.14	1/4		1/4		1/4		1/4	
1/2	2,015.74	1/2	1,656.72	1/2	1,297.71	1/2	938.69	1/2	579.67	1/2	220.66	1/2		1/2		1/2		1/2	
3/4	2,008.26	3/4	1,649.24	3/4	1,290.23	3/4	931.21	3/4	572.19	3/4	213.18	3/4		3/4		3/4		3/4	
2	2,000.78	2	1,641.76	2	1,282.75	2	923.73	2	564.71	2	205.70	2		2		2		2	
1/4	1,993.30	1/4	1,634.28	1/4	1,275.27	1/4	916.25	1/4	557.23	1/4	198.22	1/4		1/4		1/4		1/4	
1/2	1,985.82	1/2	1,626.80	1/2	1,267.79	1/2	908.77	1/2	549.76	1/2	190.74	1/2		1/2		1/2		1/2	
3/4	1,978.34	3/4	1,619.32	3/4	1,260.31	3/4	901.29	3/4	542.28	3/4	183.26	3/4		3/4		3/4		3/4	
3	1,970.86	3	1,611.84	3	1,252.83	3	893.81	3	534.80	3	175.78	3		3		3		3	
1/4	1,963.38	1/4	1,604.36	1/4	1,245.35	1/4	886.33	1/4	527.32	1/4	168.30	1/4		1/4		1/4		1/4	
1/2	1,955.90	1/2	1,596.89	1/2	1,237.87	1/2	878.85	1/2	519.84	1/2	160.82	1/2		1/2		1/2		1/2	
3/4	1,948.42	3/4	1,589.41	3/4	1,230.39	3/4	871.37	3/4	512.36	3/4	153.34	3/4		3/4		3/4		3/4	
4	1,940.94	4	1,581.93	4	1,222.91	4	863.89	4	504.88	4	145.86	4		4		4		4	
1/4	1,933.46	1/4	1,574.45	1/4	1,215.43	1/4	856.41	1/4	497.40	1/4	138.38	1/4		1/4		1/4		1/4	
1/2	1,925.98	1/2	1,566.97	1/2	1,207.95	1/2	848.94	1/2	489.92	1/2	130.90	1/2		1/2		1/2		1/2	
3/4	1,918.50	3/4	1,559.49	3/4	1,200.47	3/4	841.46	3/4	482.44	3/4	123.42	3/4		3/4		3/4		3/4	
5	1,911.02	5	1,552.01	5	1,192.99	5	833.98	5	474.96	5	115.94	5		5		5		5	
1/4	1,903.54	1/4	1,544.53	1/4	1,185.51	1/4	826.50	1/4	467.48	1/4	108.46	1/4		1/4		1/4		1/4	
1/2	1,896.07	1/2	1,537.05	1/2	1,178.03	1/2	819.02	1/2	460.00	1/2	100.99	1/2		1/2		1/2		1/2	
3/4	1,888.59	3/4	1,529.57	3/4	1,170.55	3/4	811.54	3/4	452.52	3/4	93.51	3/4		3/4		3/4		3/4	
6	1,881.11	6	1,522.09	6	1,163.07	6	804.06	6	445.04	6	86.03	6		6		6		6	
1/4	1,873.63	1/4	1,514.61	1/4	1,155.59	1/4	796.58	1/4	437.56	1/4	78.55	1/4		1/4		1/4		1/4	
1/2	1,866.15	1/2	1,507.13	1/2	1,148.12	1/2	789.10	1/2	430.08	1/2	71.07	1/2		1/2		1/2		1/2	
3/4	1,858.67	3/4	1,499.65	3/4	1,140.64	3/4	781.62	3/4	422.60	3/4	63.59	3/4		3/4		3/4		3/4	
7	1,851.19	7	1,492.17	7	1,133.16	7	774.14	7	415.12	7	57.05	7		7		7		7	
1/4	1,843.71	1/4	1,484.69	1/4	1,125.68	1/4	766.66	1/4	407.64	1/4	50.50	1/4		1/4		1/4		1/4	
1/2	1,836.23	1/2	1,477.21	1/2	1,118.20	1/2	759.18	1/2	400.17	1/2	43.96	1/2		1/2		1/2		1/2	
3/4	1,828.75	3/4	1,469.73	3/4	1,110.72	3/4	751.70	3/4	392.69	3/4	37.42	3/4		3/4		3/4		3/4	
8	1,821.27	8	1,462.25	8	1,103.24	8	744.22	8	385.21	8	32.75	8		8		8		8	
1/4	1,813.79	1/4	1,454.77	1/4	1,095.76	1/4	736.74	1/4	377.73	1/4	28.08	1/4		1/4		1/4		1/4	
1/2	1,806.31	1/2	1,447.30	1/2	1,088.28	1/2	729.26	1/2	370.25	1/2	23.42	1/2		1/2		1/2		1/2	
3/4	1,798.83	3/4	1,439.82	3/4	1,080.80	3/4	721.78	3/4	362.77	3/4	18.75	3/4		3/4		3/4		3/4	
9	1,791.35	9	1,432.34	9	1,073.32	9	714.30	9	355.29	9		9		9		9		9	
1/4	1,783.87	1/4	1,424.86	1/4	1,065.84	1/4	706.82	1/4	347.81	1/4		1/4		1/4		1/4		1/4	
1/2	1,776.39	1/2	1,417.38	1/2	1,058.36	1/2	699.35	1/2	340.33	1/2		1/2		1/2		1/2		1/2	
3/4	1,768.91	3/4	1,409.90	3/4	1,050.88	3/4	691.87	3/4	332.85	3/4		3/4		3/4		3/4		3/4	
10	1,761.43	10	1,402.42	10	1,043.40	10	684.39	10	325.37	10		10		10		10		10	
1/4	1,753.95	1/4	1,394.94	1/4	1,035.92	1/4	676.91	1/4	317.89	1/4		1/4		1/4		1/4		1/4	
1/2	1,746.48	1/2	1,387.46	1/2	1,028.44	1/2	669.43	1/2	310.41	1/2		1/2		1/2		1/2		1/2	
3/4	1,739.00	3/4	1,379.98	3/4	1,020.96	3/4	661.95	3/4	302.93	3/4		3/4		3/4		3/4		3/4	
11	1,731.52	11	1,372.50	11	1,013.48	11	654.47	11	295.45	11		11		11		11		11	
1/4	1,724.04	1/4	1,365.02	1/4	1,006.00	1/4	646.99	1/4	287.97	1/4		1/4		1/4		1/4		1/4	
1/2	1,716.56	1/2	1,357.54	1/2	998.53	1/2	639.51	1/2	280.49	1/2		1/2		1/2		1/2		1/2	
3/4	1,709.08	3/4	1,350.06	3/4	991.05	3/4	632.03	3/4	273.01	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/18/2004 CB
DECK MEASUREMENTS: 05/29/2014 SW
REPRINTED: 06/02/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "NGL 3138"

3 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	4,852.17	0	4,591.95	0	4,328.99	0	4,066.03	0	3,803.06	0	3,506.01	0	3,146.81	0	2,787.60	0	2,428.39
1/4		1/4	4,847.38	1/4	4,586.47	1/4	4,323.51	1/4	4,060.55	1/4	3,797.58	1/4	3,498.53	1/4	3,139.32	1/4	2,780.11	1/4	2,420.91
1/2		1/2	4,842.58	1/2	4,580.99	1/2	4,318.03	1/2	4,055.07	1/2	3,792.10	1/2	3,491.04	1/2	3,131.84	1/2	2,772.63	1/2	2,413.42
3/4		3/4	4,837.79	3/4	4,575.52	3/4	4,312.56	3/4	4,049.59	3/4	3,786.63	3/4	3,483.56	3/4	3,124.35	3/4	2,765.14	3/4	2,405.94
1		1	4,833.00	1	4,570.04	1	4,307.08	1	4,044.11	1	3,781.15	1	3,476.08	1	3,116.87	1	2,757.66	1	2,398.46
1/4		1/4	4,827.52	1/4	4,564.56	1/4	4,301.60	1/4	4,038.63	1/4	3,775.67	1/4	3,468.60	1/4	3,109.39	1/4	2,750.18	1/4	2,390.97
1/2		1/2	4,822.04	1/2	4,559.08	1/2	4,296.12	1/2	4,033.15	1/2	3,770.19	1/2	3,461.11	1/2	3,101.90	1/2	2,742.69	1/2	2,383.49
3/4		3/4	4,816.57	3/4	4,553.61	3/4	4,290.64	3/4	4,027.68	3/4	3,764.72	3/4	3,453.63	3/4	3,094.42	3/4	2,735.21	3/4	2,376.00
2		2	4,811.09	2	4,548.13	2	4,285.16	2	4,022.20	2	3,759.24	2	3,446.15	2	3,086.94	2	2,727.73	2	2,368.52
1/4		1/4	4,805.61	1/4	4,542.65	1/4	4,279.68	1/4	4,016.72	1/4	3,753.76	1/4	3,438.66	1/4	3,079.45	1/4	2,720.25	1/4	2,361.04
1/2		1/2	4,800.13	1/2	4,537.17	1/2	4,274.20	1/2	4,011.24	1/2	3,748.28	1/2	3,431.18	1/2	3,071.97	1/2	2,712.76	1/2	2,353.55
3/4		3/4	4,794.66	3/4	4,531.69	3/4	4,268.73	3/4	4,005.77	3/4	3,742.80	3/4	3,423.69	3/4	3,064.48	3/4	2,705.28	3/4	2,346.07
3		3	4,789.18	3	4,526.21	3	4,263.25	3	4,000.29	3	3,737.32	3	3,416.21	3	3,057.00	3	2,697.80	3	2,338.59
1/4		1/4	4,783.70	1/4	4,520.73	1/4	4,257.77	1/4	3,994.81	1/4	3,731.84	1/4	3,408.73	1/4	3,049.52	1/4	2,690.31	1/4	2,331.10
1/2		1/2	4,778.22	1/2	4,515.25	1/2	4,252.29	1/2	3,989.33	1/2	3,726.36	1/2	3,401.24	1/2	3,042.03	1/2	2,682.83	1/2	2,323.62
3/4		3/4	4,772.74	3/4	4,509.78	3/4	4,246.82	3/4	3,983.85	3/4	3,720.89	3/4	3,393.76	3/4	3,034.55	3/4	2,675.34	3/4	2,316.13
4		4	4,767.26	4	4,504.30	4	4,241.34	4	3,978.37	4	3,715.41	4	3,386.28	4	3,027.07	4	2,667.86	4	2,308.65
1/4		1/4	4,761.78	1/4	4,498.82	1/4	4,235.86	1/4	3,972.89	1/4	3,709.93	1/4	3,378.79	1/4	3,019.59	1/4	2,660.38	1/4	2,301.17
1/2		1/2	4,756.30	1/2	4,493.34	1/2	4,230.38	1/2	3,967.41	1/2	3,704.45	1/2	3,371.31	1/2	3,012.10	1/2	2,652.89	1/2	2,293.68
3/4		3/4	4,750.83	3/4	4,487.87	3/4	4,224.90	3/4	3,961.94	3/4	3,698.98	3/4	3,363.82	3/4	3,004.62	3/4	2,645.41	3/4	2,286.20
5		5	4,745.35	5	4,482.39	5	4,219.42	5	3,956.46	5	3,693.50	5	3,356.34	5	2,997.14	5	2,637.93	5	2,278.72
1/4		1/4	4,739.87	1/4	4,476.91	1/4	4,213.94	1/4	3,950.98	1/4	3,688.02	1/4	3,348.86	1/4	2,989.65	1/4	2,630.44	1/4	2,271.24
1/2		1/2	4,734.39	1/2	4,471.43	1/2	4,208.46	1/2	3,945.50	1/2	3,682.54	1/2	3,341.37	1/2	2,982.17	1/2	2,622.96	1/2	2,263.75
3/4		3/4	4,728.91	3/4	4,465.95	3/4	4,202.99	3/4	3,940.03	3/4	3,677.06	3/4	3,333.89	3/4	2,974.68	3/4	2,615.47	3/4	2,256.27
6		6	4,723.43	6	4,460.47	6	4,197.51	6	3,934.55	6	3,671.58	6	3,326.41	6	2,967.20	6	2,607.99	6	2,248.79
1/4		1/4	4,717.95	1/4	4,454.99	1/4	4,192.03	1/4	3,929.07	1/4	3,666.10	1/4	3,318.93	1/4	2,959.72	1/4	2,600.51	1/4	2,241.30
1/2		1/2	4,712.47	1/2	4,449.51	1/2	4,186.55	1/2	3,923.59	1/2	3,660.62	1/2	3,311.44	1/2	2,952.23	1/2	2,593.02	1/2	2,233.82
3/4		3/4	4,707.00	3/4	4,444.04	3/4	4,181.07	3/4	3,918.11	3/4	3,655.15	3/4	3,303.96	3/4	2,944.75	3/4	2,585.54	3/4	2,226.33
7		7	4,701.52	7	4,438.56	7	4,175.59	7	3,912.63	7	3,649.67	7	3,296.48	7	2,937.27	7	2,578.06	7	2,218.85
1/4		1/4	4,696.04	1/4	4,433.08	1/4	4,170.11	1/4	3,907.15	1/4	3,643.69	1/4	3,288.99	1/4	2,929.78	1/4	2,570.58	1/4	2,211.37
1/2		1/2	4,690.56	1/2	4,427.60	1/2	4,164.63	1/2	3,901.67	1/2	3,637.71	1/2	3,281.51	1/2	2,922.30	1/2	2,563.09	1/2	2,203.88
3/4		3/4	4,685.09	3/4	4,422.12	3/4	4,159.16	3/4	3,896.20	3/4	3,631.73	3/4	3,274.02	3/4	2,914.81	3/4	2,555.61	3/4	2,196.40
8		8	4,679.61	8	4,416.64	8	4,153.68	8	3,890.72	8	3,625.75	8	3,266.54	8	2,907.33	8	2,548.13	8	2,188.92
1/4		1/4	4,674.13	1/4	4,411.16	1/4	4,148.20	1/4	3,885.24	1/4	3,618.27	1/4	3,259.06	1/4	2,899.85	1/4	2,540.64	1/4	2,181.43
1/2		1/2	4,668.65	1/2	4,405.68	1/2	4,142.72	1/2	3,879.76	1/2	3,610.78	1/2	3,251.57	1/2	2,892.36	1/2	2,533.16	1/2	2,173.95
3/4		3/4	4,663.17	3/4	4,400.21	3/4	4,137.25	3/4	3,874.28	3/4	3,603.30	3/4	3,244.09	3/4	2,884.88	3/4	2,525.67	3/4	2,166.46
9		9	4,657.69	9	4,394.73	9	4,131.77	9	3,868.80	9	3,595.82	9	3,236.61	9	2,877.40	9	2,518.19	9	2,158.98
1/4	4,871.18	1/4	4,652.21	1/4	4,389.25	1/4	4,126.29	1/4	3,863.32	1/4	3,588.33	1/4	3,229.12	1/4	2,869.92	1/4	2,510.71	1/4	2,151.50
1/2	4,870.28	1/2	4,646.73	1/2	4,383.77	1/2	4,120.81	1/2	3,857.84	1/2	3,580.85	1/2	3,221.64	1/2	2,862.43	1/2	2,503.22	1/2	2,144.01
3/4	4,869.39	3/4	4,641.26	3/4	4,378.30	3/4	4,115.33	3/4	3,852.37	3/4	3,573.36	3/4	3,214.15	3/4	2,854.95	3/4	2,495.74	3/4	2,136.53
10	4,868.49	10	4,635.78	10	4,372.82	10	4,109.85	10	3,846.89	10	3,565.88	10	3,206.67	10	2,847.47	10	2,488.26	10	2,129.05
1/4	4,866.91	1/4	4,630.30	1/4	4,367.34	1/4	4,104.37	1/4	3,841.41	1/4	3,558.40	1/4	3,199.19	1/4	2,839.98	1/4	2,480.77	1/4	2,121.57
1/2	4,865.32	1/2	4,624.82	1/2	4,361.86	1/2	4,098.89	1/2	3,835.93	1/2	3,550.91	1/2	3,191.70	1/2	2,832.50	1/2	2,473.29	1/2	2,114.08
3/4	4,863.74	3/4	4,619.35	3/4	4,356.38	3/4	4,093.42	3/4	3,830.46	3/4	3,543.43	3/4	3,184.22	3/4	2,825.01	3/4	2,465.80	3/4	2,106.60
11	4,862.16	11	4,613.87	11	4,350.90	11	4,087.94	11	3,824.98	11	3,535.95	11	3,176.74	11	2,817.53	11	2,458.32	11	2,099.12
1/4	4,859.66	1/4	4,608.39	1/4	4,345.42	1/4	4,082.46	1/4	3,819.50	1/4	3,528.46	1/4	3,169.26	1/4	2,810.05	1/4	2,450.84	1/4	2,091.63
1/2	4,857.16	1/2	4,602.91	1/2	4,339.94	1/2	4,076.98	1/2	3,814.02	1/2	3,520.98	1/2	3,161.77	1/2	2,802.56	1/2	2,443.35	1/2	2,084.15
3/4	4,854.67	3/4	4,597.43	3/4	4,334.47	3/4	4,071.51	3/4	3,808.54	3/4	3,513.49	3/4	3,154.29	3/4	2,795.08	3/4	2,435.87	3/4	2,076.66

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 TOP LIP OF 2" HERMETIC VALVE.
GAUGE POINT: (HERMETIC) LOCATED 11-06" OFF CENTERLINE AND 45-00" FORWARD OF AFT BULKHEAD.

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

BARGE "NGL 3138"

3 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,069.18	0	1,709.97	0	1,350.77	0	991.56	0	632.35	0	273.14	0		0		0		0	
1/4	2,061.70	1/4	1,702.49	1/4	1,343.28	1/4	984.07	1/4	624.87	1/4	265.66	1/4		1/4		1/4		1/4	
1/2	2,054.21	1/2	1,695.00	1/2	1,335.80	1/2	976.59	1/2	617.38	1/2	258.17	1/2		1/2		1/2		1/2	
3/4	2,046.73	3/4	1,687.52	3/4	1,328.31	3/4	969.10	3/4	609.90	3/4	250.69	3/4		3/4		3/4		3/4	
1	2,039.25	1	1,680.04	1	1,320.83	1	961.62	1	602.42	1	243.21	1		1		1		1	
1/4	2,031.76	1/4	1,672.56	1/4	1,313.35	1/4	954.14	1/4	594.93	1/4	235.72	1/4		1/4		1/4		1/4	
1/2	2,024.28	1/2	1,665.07	1/2	1,305.86	1/2	946.65	1/2	587.45	1/2	228.24	1/2		1/2		1/2		1/2	
3/4	2,016.79	3/4	1,657.59	3/4	1,298.38	3/4	939.17	3/4	579.96	3/4	220.75	3/4		3/4		3/4		3/4	
2	2,009.31	2	1,650.11	2	1,290.90	2	931.69	2	572.48	2	213.27	2		2		2		2	
1/4	2,001.83	1/4	1,642.62	1/4	1,283.41	1/4	924.21	1/4	565.00	1/4	205.79	1/4		1/4		1/4		1/4	
1/2	1,994.34	1/2	1,635.14	1/2	1,275.93	1/2	916.72	1/2	557.51	1/2	198.30	1/2		1/2		1/2		1/2	
3/4	1,986.86	3/4	1,627.65	3/4	1,268.44	3/4	909.24	3/4	550.03	3/4	190.82	3/4		3/4		3/4		3/4	
3	1,979.38	3	1,620.17	3	1,260.96	3	901.76	3	542.55	3	183.34	3		3		3		3	
1/4	1,971.90	1/4	1,612.69	1/4	1,253.48	1/4	894.27	1/4	535.06	1/4	175.86	1/4		1/4		1/4		1/4	
1/2	1,964.41	1/2	1,605.20	1/2	1,245.99	1/2	886.79	1/2	527.58	1/2	168.37	1/2		1/2		1/2		1/2	
3/4	1,956.93	3/4	1,597.72	3/4	1,238.51	3/4	879.30	3/4	520.09	3/4	160.89	3/4		3/4		3/4		3/4	
4	1,949.45	4	1,590.24	4	1,231.03	4	871.82	4	512.61	4	153.41	4		4		4		4	
1/4	1,941.96	1/4	1,582.75	1/4	1,223.55	1/4	864.34	1/4	505.13	1/4	145.92	1/4		1/4		1/4		1/4	
1/2	1,934.48	1/2	1,575.27	1/2	1,216.06	1/2	856.85	1/2	497.64	1/2	138.44	1/2		1/2		1/2		1/2	
3/4	1,926.99	3/4	1,567.78	3/4	1,208.58	3/4	849.37	3/4	490.16	3/4	130.95	3/4		3/4		3/4		3/4	
5	1,919.51	5	1,560.30	5	1,201.10	5	841.89	5	482.68	5	123.47	5		5		5		5	
1/4	1,912.03	1/4	1,552.82	1/4	1,193.61	1/4	834.40	1/4	475.20	1/4	115.99	1/4		1/4		1/4		1/4	
1/2	1,904.54	1/2	1,545.33	1/2	1,186.13	1/2	826.92	1/2	467.71	1/2	108.50	1/2		1/2		1/2		1/2	
3/4	1,897.06	3/4	1,537.85	3/4	1,178.64	3/4	819.43	3/4	460.23	3/4	101.02	3/4		3/4		3/4		3/4	
6	1,889.58	6	1,530.37	6	1,171.16	6	811.95	6	452.75	6	93.54	6		6		6		6	
1/4	1,882.09	1/4	1,522.89	1/4	1,163.68	1/4	804.47	1/4	445.26	1/4	86.05	1/4		1/4		1/4		1/4	
1/2	1,874.61	1/2	1,515.40	1/2	1,156.19	1/2	796.98	1/2	437.78	1/2	78.57	1/2		1/2		1/2		1/2	
3/4	1,867.12	3/4	1,507.92	3/4	1,148.71	3/4	789.50	3/4	430.29	3/4	71.08	3/4		3/4		3/4		3/4	
7	1,859.64	7	1,500.44	7	1,141.23	7	782.02	7	422.81	7	63.60	7		7		7		7	
1/4	1,852.16	1/4	1,492.95	1/4	1,133.74	1/4	774.54	1/4	415.33	1/4	57.05	1/4		1/4		1/4		1/4	
1/2	1,844.67	1/2	1,485.47	1/2	1,126.26	1/2	767.05	1/2	407.84	1/2	50.51	1/2		1/2		1/2		1/2	
3/4	1,837.19	3/4	1,477.98	3/4	1,118.77	3/4	759.57	3/4	400.36	3/4	43.96	3/4		3/4		3/4		3/4	
8	1,829.71	8	1,470.50	8	1,111.29	8	752.09	8	392.88	8	37.42	8		8		8		8	
1/4	1,822.23	1/4	1,463.02	1/4	1,103.81	1/4	744.60	1/4	385.39	1/4	32.75	1/4		1/4		1/4		1/4	
1/2	1,814.74	1/2	1,455.53	1/2	1,096.32	1/2	737.12	1/2	377.91	1/2	28.08	1/2		1/2		1/2		1/2	
3/4	1,807.26	3/4	1,448.05	3/4	1,088.84	3/4	729.63	3/4	370.42	3/4	23.42	3/4		3/4		3/4		3/4	
9	1,799.78	9	1,440.57	9	1,081.36	9	722.15	9	362.94	9	18.75	9		9		9		9	
1/4	1,792.29	1/4	1,433.08	1/4	1,073.88	1/4	714.67	1/4	355.46	1/4		1/4		1/4		1/4		1/4	
1/2	1,784.81	1/2	1,425.60	1/2	1,066.39	1/2	707.18	1/2	347.97	1/2		1/2		1/2		1/2		1/2	
3/4	1,777.32	3/4	1,418.11	3/4	1,058.91	3/4	699.70	3/4	340.49	3/4		3/4		3/4		3/4		3/4	
10	1,769.84	10	1,410.63	10	1,051.43	10	692.22	10	333.01	10		10		10		10		10	
1/4	1,762.36	1/4	1,403.15	1/4	1,043.94	1/4	684.73	1/4	325.53	1/4		1/4		1/4		1/4		1/4	
1/2	1,754.87	1/2	1,395.66	1/2	1,036.46	1/2	677.25	1/2	318.04	1/2		1/2		1/2		1/2		1/2	
3/4	1,747.39	3/4	1,388.18	3/4	1,028.97	3/4	669.76	3/4	310.56	3/4		3/4		3/4		3/4		3/4	
11	1,739.91	11	1,380.70	11	1,021.49	11	662.28	11	303.08	11		11		11		11		11	
1/4	1,732.42	1/4	1,373.22	1/4	1,014.01	1/4	654.80	1/4	295.59	1/4		1/4		1/4		1/4		1/4	
1/2	1,724.94	1/2	1,365.73	1/2	1,006.52	1/2	647.31	1/2	288.11	1/2		1/2		1/2		1/2		1/2	
3/4	1,717.45	3/4	1,358.25	3/4	999.04	3/4	639.83	3/4	280.62	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/18/2004 CB
DECK MEASUREMENTS: 05/29/2014 SW
REPRINTED: 06/02/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "NGL 3138"

3 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	4,852.17	0	4,591.95	0	4,328.99	0	4,066.03	0	3,803.06	0	3,506.01	0	3,146.81	0	2,787.60	0	2,428.39
1/4		1/4	4,847.38	1/4	4,586.47	1/4	4,323.51	1/4	4,060.55	1/4	3,797.58	1/4	3,498.53	1/4	3,139.32	1/4	2,780.11	1/4	2,420.91
1/2		1/2	4,842.58	1/2	4,580.99	1/2	4,318.03	1/2	4,055.07	1/2	3,792.10	1/2	3,491.04	1/2	3,131.84	1/2	2,772.63	1/2	2,413.42
3/4		3/4	4,837.79	3/4	4,575.52	3/4	4,312.56	3/4	4,049.59	3/4	3,786.63	3/4	3,483.56	3/4	3,124.35	3/4	2,765.14	3/4	2,405.94
1		1	4,833.00	1	4,570.04	1	4,307.08	1	4,044.11	1	3,781.15	1	3,476.08	1	3,116.87	1	2,757.66	1	2,398.46
1/4		1/4	4,827.52	1/4	4,564.56	1/4	4,301.60	1/4	4,038.63	1/4	3,775.67	1/4	3,468.60	1/4	3,109.39	1/4	2,750.18	1/4	2,390.97
1/2		1/2	4,822.04	1/2	4,559.08	1/2	4,296.12	1/2	4,033.15	1/2	3,770.19	1/2	3,461.11	1/2	3,101.90	1/2	2,742.69	1/2	2,383.49
3/4		3/4	4,816.57	3/4	4,553.61	3/4	4,290.64	3/4	4,027.68	3/4	3,764.72	3/4	3,453.63	3/4	3,094.42	3/4	2,735.21	3/4	2,376.00
2		2	4,811.09	2	4,548.13	2	4,285.16	2	4,022.20	2	3,759.24	2	3,446.15	2	3,086.94	2	2,727.73	2	2,368.52
1/4		1/4	4,805.61	1/4	4,542.65	1/4	4,279.68	1/4	4,016.72	1/4	3,753.76	1/4	3,438.66	1/4	3,079.45	1/4	2,720.25	1/4	2,361.04
1/2		1/2	4,800.13	1/2	4,537.17	1/2	4,274.20	1/2	4,011.24	1/2	3,748.28	1/2	3,431.18	1/2	3,071.97	1/2	2,712.76	1/2	2,353.55
3/4		3/4	4,794.66	3/4	4,531.69	3/4	4,268.73	3/4	4,005.77	3/4	3,742.80	3/4	3,423.69	3/4	3,064.48	3/4	2,705.28	3/4	2,346.07
3		3	4,789.18	3	4,526.21	3	4,263.25	3	4,000.29	3	3,737.32	3	3,416.21	3	3,057.00	3	2,697.80	3	2,338.59
1/4		1/4	4,783.70	1/4	4,520.73	1/4	4,257.77	1/4	3,994.81	1/4	3,731.84	1/4	3,408.73	1/4	3,049.52	1/4	2,690.31	1/4	2,331.10
1/2		1/2	4,778.22	1/2	4,515.25	1/2	4,252.29	1/2	3,989.33	1/2	3,726.36	1/2	3,401.24	1/2	3,042.03	1/2	2,682.83	1/2	2,323.62
3/4		3/4	4,772.74	3/4	4,509.78	3/4	4,246.82	3/4	3,983.85	3/4	3,720.89	3/4	3,393.76	3/4	3,034.55	3/4	2,675.34	3/4	2,316.13
4		4	4,767.26	4	4,504.30	4	4,241.34	4	3,978.37	4	3,715.41	4	3,386.28	4	3,027.07	4	2,667.86	4	2,308.65
1/4		1/4	4,761.78	1/4	4,498.82	1/4	4,235.86	1/4	3,972.89	1/4	3,709.93	1/4	3,378.79	1/4	3,019.59	1/4	2,660.38	1/4	2,301.17
1/2		1/2	4,756.30	1/2	4,493.34	1/2	4,230.38	1/2	3,967.41	1/2	3,704.45	1/2	3,371.31	1/2	3,012.10	1/2	2,652.89	1/2	2,293.68
3/4		3/4	4,750.83	3/4	4,487.87	3/4	4,224.90	3/4	3,961.94	3/4	3,698.98	3/4	3,363.82	3/4	3,004.62	3/4	2,645.41	3/4	2,286.20
5		5	4,745.35	5	4,482.39	5	4,219.42	5	3,956.46	5	3,693.50	5	3,356.34	5	2,997.14	5	2,637.93	5	2,278.72
1/4		1/4	4,739.87	1/4	4,476.91	1/4	4,213.94	1/4	3,950.98	1/4	3,688.02	1/4	3,348.86	1/4	2,989.65	1/4	2,630.44	1/4	2,271.24
1/2		1/2	4,734.39	1/2	4,471.43	1/2	4,208.46	1/2	3,945.50	1/2	3,682.54	1/2	3,341.37	1/2	2,982.17	1/2	2,622.96	1/2	2,263.75
3/4		3/4	4,728.91	3/4	4,465.95	3/4	4,202.99	3/4	3,940.03	3/4	3,677.06	3/4	3,333.89	3/4	2,974.68	3/4	2,615.47	3/4	2,256.27
6		6	4,723.43	6	4,460.47	6	4,197.51	6	3,934.55	6	3,671.58	6	3,326.41	6	2,967.20	6	2,607.99	6	2,248.79
1/4		1/4	4,717.95	1/4	4,454.99	1/4	4,192.03	1/4	3,929.07	1/4	3,666.10	1/4	3,318.93	1/4	2,959.72	1/4	2,600.51	1/4	2,241.30
1/2		1/2	4,712.47	1/2	4,449.51	1/2	4,186.55	1/2	3,923.59	1/2	3,660.62	1/2	3,311.44	1/2	2,952.23	1/2	2,593.02	1/2	2,233.82
3/4		3/4	4,707.00	3/4	4,444.04	3/4	4,181.07	3/4	3,918.11	3/4	3,655.15	3/4	3,303.96	3/4	2,944.75	3/4	2,585.54	3/4	2,226.33
7		7	4,701.52	7	4,438.56	7	4,175.59	7	3,912.63	7	3,649.67	7	3,296.48	7	2,937.27	7	2,578.06	7	2,218.85
1/4		1/4	4,696.04	1/4	4,433.08	1/4	4,170.11	1/4	3,907.15	1/4	3,643.69	1/4	3,288.99	1/4	2,929.78	1/4	2,570.58	1/4	2,211.37
1/2		1/2	4,690.56	1/2	4,427.60	1/2	4,164.63	1/2	3,901.67	1/2	3,637.71	1/2	3,281.51	1/2	2,922.30	1/2	2,563.09	1/2	2,203.88
3/4		3/4	4,685.09	3/4	4,422.12	3/4	4,159.16	3/4	3,896.20	3/4	3,631.73	3/4	3,274.02	3/4	2,914.81	3/4	2,555.61	3/4	2,196.40
8		8	4,679.61	8	4,416.64	8	4,153.68	8	3,890.72	8	3,625.75	8	3,266.54	8	2,907.33	8	2,548.13	8	2,188.92
1/4		1/4	4,674.13	1/4	4,411.16	1/4	4,148.20	1/4	3,885.24	1/4	3,618.27	1/4	3,259.06	1/4	2,899.85	1/4	2,540.64	1/4	2,181.43
1/2		1/2	4,668.65	1/2	4,405.68	1/2	4,142.72	1/2	3,879.76	1/2	3,610.78	1/2	3,251.57	1/2	2,892.36	1/2	2,533.16	1/2	2,173.95
3/4		3/4	4,663.17	3/4	4,400.21	3/4	4,137.25	3/4	3,874.28	3/4	3,603.30	3/4	3,244.09	3/4	2,884.88	3/4	2,525.67	3/4	2,166.46
9		9	4,657.69	9	4,394.73	9	4,131.77	9	3,868.80	9	3,595.82	9	3,236.61	9	2,877.40	9	2,518.19	9	2,158.98
1/4	4,871.18	1/4	4,652.21	1/4	4,389.25	1/4	4,126.29	1/4	3,863.32	1/4	3,588.33	1/4	3,229.12	1/4	2,869.92	1/4	2,510.71	1/4	2,151.50
1/2	4,870.28	1/2	4,646.73	1/2	4,383.77	1/2	4,120.81	1/2	3,857.84	1/2	3,580.85	1/2	3,221.64	1/2	2,862.43	1/2	2,503.22	1/2	2,144.01
3/4	4,869.39	3/4	4,641.26	3/4	4,378.30	3/4	4,115.33	3/4	3,852.37	3/4	3,573.36	3/4	3,214.15	3/4	2,854.95	3/4	2,495.74	3/4	2,136.53
10	4,868.49	10	4,635.78	10	4,372.82	10	4,109.85	10	3,846.89	10	3,565.88	10	3,206.67	10	2,847.47	10	2,488.26	10	2,129.05
1/4	4,866.91	1/4	4,630.30	1/4	4,367.34	1/4	4,104.37	1/4	3,841.41	1/4	3,558.40	1/4	3,199.19	1/4	2,839.98	1/4	2,480.77	1/4	2,121.57
1/2	4,865.32	1/2	4,624.82	1/2	4,361.86	1/2	4,098.89	1/2	3,835.93	1/2	3,550.91	1/2	3,191.70	1/2	2,832.50	1/2	2,473.29	1/2	2,114.08
3/4	4,863.74	3/4	4,619.35	3/4	4,356.38	3/4	4,093.42	3/4	3,830.46	3/4	3,543.43	3/4	3,184.22	3/4	2,825.01	3/4	2,465.80	3/4	2,106.60
11	4,862.16	11	4,613.87	11	4,350.90	11	4,087.94	11	3,824.98	11	3,535.95	11	3,176.74	11	2,817.53	11	2,458.32	11	2,099.12
1/4	4,859.66	1/4	4,608.39	1/4	4,345.42	1/4	4,082.46	1/4	3,819.50	1/4	3,528.46	1/4	3,169.26	1/4	2,810.05	1/4	2,450.84	1/4	2,091.63
1/2	4,857.16	1/2	4,602.91	1/2	4,339.94	1/2	4,076.98	1/2	3,814.02	1/2	3,520.98	1/2	3,161.77	1/2	2,802.56	1/2	2,443.35	1/2	2,084.15
3/4	4,854.67	3/4	4,597.43	3/4	4,334.47	3/4	4,071.51	3/4	3,808.54	3/4	3,513.49	3/4	3,154.29	3/4	2,795.08	3/4	2,435.87	3/4	2,076.66

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 TOP LIP OF 2" HERMETIC VALVE.
GAUGE POINT: (HERMETIC) LOCATED 11-06" OFF CENTERLINE AND 45-00" FORWARD OF AFT BULKHEAD.

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

BARGE "NGL 3138"

3 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,069.18	0	1,709.97	0	1,350.77	0	991.56	0	632.35	0	273.14	0		0		0		0	
1/4	2,061.70	1/4	1,702.49	1/4	1,343.28	1/4	984.07	1/4	624.87	1/4	265.66	1/4		1/4		1/4		1/4	
1/2	2,054.21	1/2	1,695.00	1/2	1,335.80	1/2	976.59	1/2	617.38	1/2	258.17	1/2		1/2		1/2		1/2	
3/4	2,046.73	3/4	1,687.52	3/4	1,328.31	3/4	969.10	3/4	609.90	3/4	250.69	3/4		3/4		3/4		3/4	
1	2,039.25	1	1,680.04	1	1,320.83	1	961.62	1	602.42	1	243.21	1		1		1		1	
1/4	2,031.76	1/4	1,672.56	1/4	1,313.35	1/4	954.14	1/4	594.93	1/4	235.72	1/4		1/4		1/4		1/4	
1/2	2,024.28	1/2	1,665.07	1/2	1,305.86	1/2	946.65	1/2	587.45	1/2	228.24	1/2		1/2		1/2		1/2	
3/4	2,016.79	3/4	1,657.59	3/4	1,298.38	3/4	939.17	3/4	579.96	3/4	220.75	3/4		3/4		3/4		3/4	
2	2,009.31	2	1,650.11	2	1,290.90	2	931.69	2	572.48	2	213.27	2		2		2		2	
1/4	2,001.83	1/4	1,642.62	1/4	1,283.41	1/4	924.21	1/4	565.00	1/4	205.79	1/4		1/4		1/4		1/4	
1/2	1,994.34	1/2	1,635.14	1/2	1,275.93	1/2	916.72	1/2	557.51	1/2	198.30	1/2		1/2		1/2		1/2	
3/4	1,986.86	3/4	1,627.65	3/4	1,268.44	3/4	909.24	3/4	550.03	3/4	190.82	3/4		3/4		3/4		3/4	
3	1,979.38	3	1,620.17	3	1,260.96	3	901.76	3	542.55	3	183.34	3		3		3		3	
1/4	1,971.90	1/4	1,612.69	1/4	1,253.48	1/4	894.27	1/4	535.06	1/4	175.86	1/4		1/4		1/4		1/4	
1/2	1,964.41	1/2	1,605.20	1/2	1,245.99	1/2	886.79	1/2	527.58	1/2	168.37	1/2		1/2		1/2		1/2	
3/4	1,956.93	3/4	1,597.72	3/4	1,238.51	3/4	879.30	3/4	520.09	3/4	160.89	3/4		3/4		3/4		3/4	
4	1,949.45	4	1,590.24	4	1,231.03	4	871.82	4	512.61	4	153.41	4		4		4		4	
1/4	1,941.96	1/4	1,582.75	1/4	1,223.55	1/4	864.34	1/4	505.13	1/4	145.92	1/4		1/4		1/4		1/4	
1/2	1,934.48	1/2	1,575.27	1/2	1,216.06	1/2	856.85	1/2	497.64	1/2	138.44	1/2		1/2		1/2		1/2	
3/4	1,926.99	3/4	1,567.78	3/4	1,208.58	3/4	849.37	3/4	490.16	3/4	130.95	3/4		3/4		3/4		3/4	
5	1,919.51	5	1,560.30	5	1,201.10	5	841.89	5	482.68	5	123.47	5		5		5		5	
1/4	1,912.03	1/4	1,552.82	1/4	1,193.61	1/4	834.40	1/4	475.20	1/4	115.99	1/4		1/4		1/4		1/4	
1/2	1,904.54	1/2	1,545.33	1/2	1,186.13	1/2	826.92	1/2	467.71	1/2	108.50	1/2		1/2		1/2		1/2	
3/4	1,897.06	3/4	1,537.85	3/4	1,178.64	3/4	819.43	3/4	460.23	3/4	101.02	3/4		3/4		3/4		3/4	
6	1,889.58	6	1,530.37	6	1,171.16	6	811.95	6	452.75	6	93.54	6		6		6		6	
1/4	1,882.09	1/4	1,522.89	1/4	1,163.68	1/4	804.47	1/4	445.26	1/4	86.05	1/4		1/4		1/4		1/4	
1/2	1,874.61	1/2	1,515.40	1/2	1,156.19	1/2	796.98	1/2	437.78	1/2	78.57	1/2		1/2		1/2		1/2	
3/4	1,867.12	3/4	1,507.92	3/4	1,148.71	3/4	789.50	3/4	430.29	3/4	71.08	3/4		3/4		3/4		3/4	
7	1,859.64	7	1,500.44	7	1,141.23	7	782.02	7	422.81	7	63.60	7		7		7		7	
1/4	1,852.16	1/4	1,492.95	1/4	1,133.74	1/4	774.54	1/4	415.33	1/4	57.05	1/4		1/4		1/4		1/4	
1/2	1,844.67	1/2	1,485.47	1/2	1,126.26	1/2	767.05	1/2	407.84	1/2	50.51	1/2		1/2		1/2		1/2	
3/4	1,837.19	3/4	1,477.98	3/4	1,118.77	3/4	759.57	3/4	400.36	3/4	43.96	3/4		3/4		3/4		3/4	
8	1,829.71	8	1,470.50	8	1,111.29	8	752.09	8	392.88	8	37.42	8		8		8		8	
1/4	1,822.23	1/4	1,463.02	1/4	1,103.81	1/4	744.60	1/4	385.39	1/4	32.75	1/4		1/4		1/4		1/4	
1/2	1,814.74	1/2	1,455.53	1/2	1,096.32	1/2	737.12	1/2	377.91	1/2	28.08	1/2		1/2		1/2		1/2	
3/4	1,807.26	3/4	1,448.05	3/4	1,088.84	3/4	729.63	3/4	370.42	3/4	23.42	3/4		3/4		3/4		3/4	
9	1,799.78	9	1,440.57	9	1,081.36	9	722.15	9	362.94	9	18.75	9		9		9		9	
1/4	1,792.29	1/4	1,433.08	1/4	1,073.88	1/4	714.67	1/4	355.46	1/4		1/4		1/4		1/4		1/4	
1/2	1,784.81	1/2	1,425.60	1/2	1,066.39	1/2	707.18	1/2	347.97	1/2		1/2		1/2		1/2		1/2	
3/4	1,777.32	3/4	1,418.11	3/4	1,058.91	3/4	699.70	3/4	340.49	3/4		3/4		3/4		3/4		3/4	
10	1,769.84	10	1,410.63	10	1,051.43	10	692.22	10	333.01	10		10		10		10		10	
1/4	1,762.36	1/4	1,403.15	1/4	1,043.94	1/4	684.73	1/4	325.53	1/4		1/4		1/4		1/4		1/4	
1/2	1,754.87	1/2	1,395.66	1/2	1,036.46	1/2	677.25	1/2	318.04	1/2		1/2		1/2		1/2		1/2	
3/4	1,747.39	3/4	1,388.18	3/4	1,028.97	3/4	669.76	3/4	310.56	3/4		3/4		3/4		3/4		3/4	
11	1,739.91	11	1,380.70	11	1,021.49	11	662.28	11	303.08	11		11		11		11		11	
1/4	1,732.42	1/4	1,373.22	1/4	1,014.01	1/4	654.80	1/4	295.59	1/4		1/4		1/4		1/4		1/4	
1/2	1,724.94	1/2	1,365.73	1/2	1,006.52	1/2	647.31	1/2	288.11	1/2		1/2		1/2		1/2		1/2	
3/4	1,717.45	3/4	1,358.25	3/4	999.04	3/4	639.83	3/4	280.62	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/18/2004 CB
DECK MEASUREMENTS: 05/29/2014 SW
REPRINTED: 06/02/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2014

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

BARGE "NGL 3138"

PORT SLOP TANK

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-04 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	0	1,021	0	2,039	0	3,060	0	4,080	0		0		0		0		0	
1/4	21	1/4	1,042	1/4	2,061	1/4	3,081	1/4	4,101	1/4		1/4		1/4		1/4		1/4	
1/2	43	1/2	1,063	1/2	2,082	1/2	3,102	1/2	4,123	1/2		1/2		1/2		1/2		1/2	
3/4	64	3/4	1,084	3/4	2,103	3/4	3,123	3/4	4,144	3/4		3/4		3/4		3/4		3/4	
1	85	1	1,106	1	2,124	1	3,145	1	4,165	1		1		1		1		1	
1/4	106	1/4	1,127	1/4	2,145	1/4	3,166	1/4	4,187	1/4		1/4		1/4		1/4		1/4	
1/2	128	1/2	1,148	1/2	2,167	1/2	3,187	1/2	4,208	1/2		1/2		1/2		1/2		1/2	
3/4	149	3/4	1,169	3/4	2,188	3/4	3,208	3/4	4,229	3/4		3/4		3/4		3/4		3/4	
2	170	2	1,191	2	2,209	2	3,230	2	4,250	2		2		2		2		2	
1/4	191	1/4	1,212	1/4	2,230	1/4	3,251	1/4	4,272	1/4		1/4		1/4		1/4		1/4	
1/2	213	1/2	1,233	1/2	2,252	1/2	3,272	1/2	4,293	1/2		1/2		1/2		1/2		1/2	
3/4	234	3/4	1,254	3/4	2,273	3/4	3,294	3/4	4,314	3/4		3/4		3/4		3/4		3/4	
3	255	3	1,276	3	2,294	3	3,315	3	4,335	3		3		3		3		3	
1/4	276	1/4	1,297	1/4	2,316	1/4	3,336	1/4	4,357	1/4		1/4		1/4		1/4		1/4	
1/2	298	1/2	1,318	1/2	2,337	1/2	3,357	1/2	4,378	1/2		1/2		1/2		1/2		1/2	
3/4	319	3/4	1,339	3/4	2,358	3/4	3,379	3/4	4,399	3/4		3/4		3/4		3/4		3/4	
4	340	4	1,361	4	2,379	4	3,400	4	4,420	4		4		4		4		4	
1/4	361	1/4	1,382	1/4	2,401	1/4	3,421	1/4	4,442	1/4		1/4		1/4		1/4		1/4	
1/2	383	1/2	1,403	1/2	2,422	1/2	3,442	1/2	4,463	1/2		1/2		1/2		1/2		1/2	
3/4	404	3/4	1,425	3/4	2,443	3/4	3,464	3/4	4,484	3/4		3/4		3/4		3/4		3/4	
5	425	5	1,446	5	2,464	5	3,485	5	4,505	5		5		5		5		5	
1/4	446	1/4	1,467	1/4	2,486	1/4	3,506	1/4	4,527	1/4		1/4		1/4		1/4		1/4	
1/2	468	1/2	1,488	1/2	2,507	1/2	3,527	1/2	4,548	1/2		1/2		1/2		1/2		1/2	
3/4	489	3/4	1,510	3/4	2,528	3/4	3,549	3/4	4,569	3/4		3/4		3/4		3/4		3/4	
6	510	6	1,531	6	2,549	6	3,570	6	4,590	6		6		6		6		6	
1/4	532	1/4	1,552	1/4	2,571	1/4	3,591	1/4	4,612	1/4		1/4		1/4		1/4		1/4	
1/2	553	1/2	1,573	1/2	2,592	1/2	3,612	1/2	4,633	1/2		1/2		1/2		1/2		1/2	
3/4	574	3/4	1,595	3/4	2,613	3/4	3,634	3/4	4,654	3/4		3/4		3/4		3/4		3/4	
7	595	7	1,616	7	2,634	7	3,655	7	4,676	7		7		7		7		7	
1/4	617	1/4	1,637	1/4	2,656	1/4	3,676	1/4	4,696	1/4		1/4		1/4		1/4		1/4	
1/2	638	1/2	1,658	1/2	2,677	1/2	3,698	1/2	4,717	1/2		1/2		1/2		1/2		1/2	
3/4	659	3/4	1,680	3/4	2,698	3/4	3,719	3/4	4,738	3/4		3/4		3/4		3/4		3/4	
8	680	8	1,701	8	2,719	8	3,740	8	4,759	8		8		8		8		8	
1/4	702	1/4	1,722	1/4	2,741	1/4	3,761	1/4	4,780	1/4		1/4		1/4		1/4		1/4	
1/2	723	1/2	1,743	1/2	2,762	1/2	3,783	1/2	4,801	1/2		1/2		1/2		1/2		1/2	
3/4	744	3/4	1,765	3/4	2,783	3/4	3,804	3/4	4,822	3/4		3/4		3/4		3/4		3/4	
9	765	9	1,786	9	2,805	9	3,825	9	4,843	9		9		9		9		9	
1/4	787	1/4	1,807	1/4	2,826	1/4	3,846	1/4	4,864	1/4		1/4		1/4		1/4		1/4	
1/2	808	1/2	1,828	1/2	2,847	1/2	3,868	1/2	4,885	1/2		1/2		1/2		1/2		1/2	
3/4	829	3/4	1,850	3/4	2,868	3/4	3,889	3/4	4,906	3/4		3/4		3/4		3/4		3/4	
10	850	10	1,871	10	2,890	10	3,910	10	4,927	10		10		10		10		10	
1/4	872	1/4	1,892	1/4	2,911	1/4	3,931	1/4	4,948	1/4		1/4		1/4		1/4		1/4	
1/2	893	1/2	1,913	1/2	2,932	1/2	3,953	1/2	4,969	1/2		1/2		1/2		1/2		1/2	
3/4	914	3/4	1,934	3/4	2,953	3/4	3,974	3/4	4,990	3/4		3/4		3/4		3/4		3/4	
11	936	11	1,955	11	2,975	11	3,995	11	5,010	11		11		11		11		11	
1/4	957	1/4	1,976	1/4	2,996	1/4	4,016	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	978	1/2	1,997	1/2	3,017	1/2	4,038	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	999	3/4	2,018	3/4	3,038	3/4	4,059	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2 1/2" PIPE

STRAPPED: 06/02/2014 SW
CALCULATED: 06/03/2014 CL
PRINTED: 06/04/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2014

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

BARGE "NGL 3138"

STBD SLOP TANK

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-04 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	0	1,021	0	2,039	0	3,060	0	4,080	0		0		0		0		0	
1/4	21	1/4	1,042	1/4	2,061	1/4	3,081	1/4	4,101	1/4		1/4		1/4		1/4		1/4	
1/2	43	1/2	1,063	1/2	2,082	1/2	3,102	1/2	4,123	1/2		1/2		1/2		1/2		1/2	
3/4	64	3/4	1,084	3/4	2,103	3/4	3,123	3/4	4,144	3/4		3/4		3/4		3/4		3/4	
1	85	1	1,106	1	2,124	1	3,145	1	4,165	1		1		1		1		1	
1/4	106	1/4	1,127	1/4	2,145	1/4	3,166	1/4	4,187	1/4		1/4		1/4		1/4		1/4	
1/2	128	1/2	1,148	1/2	2,167	1/2	3,187	1/2	4,208	1/2		1/2		1/2		1/2		1/2	
3/4	149	3/4	1,169	3/4	2,188	3/4	3,208	3/4	4,229	3/4		3/4		3/4		3/4		3/4	
2	170	2	1,191	2	2,209	2	3,230	2	4,250	2		2		2		2		2	
1/4	191	1/4	1,212	1/4	2,230	1/4	3,251	1/4	4,272	1/4		1/4		1/4		1/4		1/4	
1/2	213	1/2	1,233	1/2	2,252	1/2	3,272	1/2	4,293	1/2		1/2		1/2		1/2		1/2	
3/4	234	3/4	1,254	3/4	2,273	3/4	3,294	3/4	4,314	3/4		3/4		3/4		3/4		3/4	
3	255	3	1,276	3	2,294	3	3,315	3	4,335	3		3		3		3		3	
1/4	276	1/4	1,297	1/4	2,316	1/4	3,336	1/4	4,357	1/4		1/4		1/4		1/4		1/4	
1/2	298	1/2	1,318	1/2	2,337	1/2	3,357	1/2	4,378	1/2		1/2		1/2		1/2		1/2	
3/4	319	3/4	1,339	3/4	2,358	3/4	3,379	3/4	4,399	3/4		3/4		3/4		3/4		3/4	
4	340	4	1,361	4	2,379	4	3,400	4	4,420	4		4		4		4		4	
1/4	361	1/4	1,382	1/4	2,401	1/4	3,421	1/4	4,442	1/4		1/4		1/4		1/4		1/4	
1/2	383	1/2	1,403	1/2	2,422	1/2	3,442	1/2	4,463	1/2		1/2		1/2		1/2		1/2	
3/4	404	3/4	1,425	3/4	2,443	3/4	3,464	3/4	4,484	3/4		3/4		3/4		3/4		3/4	
5	425	5	1,446	5	2,464	5	3,485	5	4,505	5		5		5		5		5	
1/4	446	1/4	1,467	1/4	2,486	1/4	3,506	1/4	4,527	1/4		1/4		1/4		1/4		1/4	
1/2	468	1/2	1,488	1/2	2,507	1/2	3,527	1/2	4,548	1/2		1/2		1/2		1/2		1/2	
3/4	489	3/4	1,510	3/4	2,528	3/4	3,549	3/4	4,569	3/4		3/4		3/4		3/4		3/4	
6	510	6	1,531	6	2,549	6	3,570	6	4,590	6		6		6		6		6	
1/4	532	1/4	1,552	1/4	2,571	1/4	3,591	1/4	4,612	1/4		1/4		1/4		1/4		1/4	
1/2	553	1/2	1,573	1/2	2,592	1/2	3,612	1/2	4,633	1/2		1/2		1/2		1/2		1/2	
3/4	574	3/4	1,595	3/4	2,613	3/4	3,634	3/4	4,654	3/4		3/4		3/4		3/4		3/4	
7	595	7	1,616	7	2,634	7	3,655	7	4,676	7		7		7		7		7	
1/4	617	1/4	1,637	1/4	2,656	1/4	3,676	1/4	4,696	1/4		1/4		1/4		1/4		1/4	
1/2	638	1/2	1,658	1/2	2,677	1/2	3,698	1/2	4,717	1/2		1/2		1/2		1/2		1/2	
3/4	659	3/4	1,680	3/4	2,698	3/4	3,719	3/4	4,738	3/4		3/4		3/4		3/4		3/4	
8	680	8	1,701	8	2,719	8	3,740	8	4,759	8		8		8		8		8	
1/4	702	1/4	1,722	1/4	2,741	1/4	3,761	1/4	4,780	1/4		1/4		1/4		1/4		1/4	
1/2	723	1/2	1,743	1/2	2,762	1/2	3,783	1/2	4,801	1/2		1/2		1/2		1/2		1/2	
3/4	744	3/4	1,765	3/4	2,783	3/4	3,804	3/4	4,822	3/4		3/4		3/4		3/4		3/4	
9	765	9	1,786	9	2,805	9	3,825	9	4,843	9		9		9		9		9	
1/4	787	1/4	1,807	1/4	2,826	1/4	3,846	1/4	4,864	1/4		1/4		1/4		1/4		1/4	
1/2	808	1/2	1,828	1/2	2,847	1/2	3,868	1/2	4,885	1/2		1/2		1/2		1/2		1/2	
3/4	829	3/4	1,850	3/4	2,868	3/4	3,889	3/4	4,906	3/4		3/4		3/4		3/4		3/4	
10	850	10	1,871	10	2,890	10	3,910	10	4,927	10		10		10		10		10	
1/4	872	1/4	1,892	1/4	2,911	1/4	3,931	1/4	4,948	1/4		1/4		1/4		1/4		1/4	
1/2	893	1/2	1,913	1/2	2,932	1/2	3,953	1/2	4,969	1/2		1/2		1/2		1/2		1/2	
3/4	914	3/4	1,934	3/4	2,953	3/4	3,974	3/4	4,990	3/4		3/4		3/4		3/4		3/4	
11	936	11	1,955	11	2,975	11	3,995	11	5,010	11		11		11		11		11	
1/4	957	1/4	1,976	1/4	2,996	1/4	4,016	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	978	1/2	1,997	1/2	3,017	1/2	4,038	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	999	3/4	2,018	3/4	3,038	3/4	4,059	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2 1/2" PIPE

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PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "NGL 3138"

FUEL TANK

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 3'-11"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	117	0	291	0	446	0		0		0		0		0		0	
1/4	1	1/4	121	1/4	295	1/4	448	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2	1/2	124	1/2	298	1/2	451	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	128	3/4	302	3/4	453	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	131	1	306	1	455	1		1		1		1		1		1	
1/4	4	1/4	134	1/4	309	1/4	458	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	6	1/2	138	1/2	313	1/2	460	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	7	3/4	141	3/4	317	3/4	462	3/4		3/4		3/4		3/4		3/4		3/4	
2	9	2	145	2	320	2	464	2		2		2		2		2		2	
1/4	11	1/4	148	1/4	324	1/4	466	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	12	1/2	152	1/2	327	1/2	468	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	14	3/4	156	3/4	331	3/4	469	3/4		3/4		3/4		3/4		3/4		3/4	
3	16	3	159	3	334	3	471	3		3		3		3		3		3	
1/4	18	1/4	163	1/4	338	1/4	473	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	20	1/2	166	1/2	341	1/2	474	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	22	3/4	170	3/4	345	3/4	476	3/4		3/4		3/4		3/4		3/4		3/4	
4	24	4	173	4	348	4	477	4		4		4		4		4		4	
1/4	27	1/4	177	1/4	352	1/4	478	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	29	1/2	181	1/2	355	1/2	479	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	31	3/4	184	3/4	359	3/4	480	3/4		3/4		3/4		3/4		3/4		3/4	
5	34	5	188	5	362	5	481	5		5		5		5		5		5	
1/4	36	1/4	192	1/4	365	1/4	481	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	39	1/2	195	1/2	369	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	41	3/4	199	3/4	372	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	44	6	203	6	375	6		6		6		6		6		6		6	
1/4	47	1/4	206	1/4	379	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	49	1/2	210	1/2	382	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	52	3/4	214	3/4	385	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	55	7	217	7	388	7		7		7		7		7		7		7	
1/4	58	1/4	221	1/4	392	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	61	1/2	225	1/2	395	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	64	3/4	228	3/4	398	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	67	8	232	8	401	8		8		8		8		8		8		8	
1/4	70	1/4	236	1/4	404	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	73	1/2	240	1/2	407	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	76	3/4	243	3/4	410	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	79	9	247	9	413	9		9		9		9		9		9		9	
1/4	82	1/4	251	1/4	416	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	85	1/2	254	1/2	419	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	88	3/4	258	3/4	422	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	91	10	262	10	425	10		10		10		10		10		10		10	
1/4	94	1/4	265	1/4	427	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	98	1/2	269	1/2	430	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	101	3/4	273	3/4	433	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	104	11	277	11	436	11		11		11		11		11		11		11	
1/4	107	1/4	280	1/4	438	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	111	1/2	284	1/2	441	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114	3/4	288	3/4	443	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

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