



BARGE "NGL 3004"

ULLAGE (HERMETIC)

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 240'-00"

May 11, 2016

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

<http://www.pmacorp.net>



BARGE "NGL 3004"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	5,157.01	0	4,805.80	0	4,439.61	0	4,073.42	0	3,707.22	0	3,341.03	0	2,974.84	0	2,608.65	0	2,242.46
1/4		1/4	5,152.49	1/4	4,798.17	1/4	4,431.98	1/4	4,065.79	1/4	3,699.59	1/4	3,333.40	1/4	2,967.21	1/4	2,601.02	1/4	2,234.83
1/2		1/2	5,146.84	1/2	4,790.54	1/2	4,424.35	1/2	4,058.16	1/2	3,691.96	1/2	3,325.77	1/2	2,959.58	1/2	2,593.39	1/2	2,227.20
3/4		3/4	5,141.19	3/4	4,782.91	3/4	4,416.72	3/4	4,050.53	3/4	3,684.34	3/4	3,318.15	3/4	2,951.95	3/4	2,585.76	3/4	2,219.57
1		1	5,135.54	1	4,775.28	1	4,409.09	1	4,042.90	1	3,676.71	1	3,310.52	1	2,944.32	1	2,578.13	1	2,211.94
1/4		1/4	5,129.89	1/4	4,767.65	1/4	4,401.46	1/4	4,035.27	1/4	3,669.08	1/4	3,302.89	1/4	2,936.69	1/4	2,570.50	1/4	2,204.31
1/2		1/2	5,123.11	1/2	4,760.02	1/2	4,393.83	1/2	4,027.64	1/2	3,661.45	1/2	3,295.26	1/2	2,929.06	1/2	2,562.87	1/2	2,196.68
3/4		3/4	5,116.33	3/4	4,752.40	3/4	4,386.21	3/4	4,020.01	3/4	3,653.82	3/4	3,287.63	3/4	2,921.44	3/4	2,555.24	3/4	2,189.05
2		2	5,109.54	2	4,744.77	2	4,378.58	2	4,012.38	2	3,646.19	2	3,280.00	2	2,913.81	2	2,547.62	2	2,181.42
1/4		1/4	5,102.76	1/4	4,737.14	1/4	4,370.95	1/4	4,004.75	1/4	3,638.56	1/4	3,272.37	1/4	2,906.18	1/4	2,539.99	1/4	2,173.79
1/2		1/2	5,095.27	1/2	4,729.51	1/2	4,363.32	1/2	3,997.12	1/2	3,630.93	1/2	3,264.74	1/2	2,898.55	1/2	2,532.36	1/2	2,166.16
3/4		3/4	5,087.79	3/4	4,721.88	3/4	4,355.69	3/4	3,989.50	3/4	3,623.31	3/4	3,257.11	3/4	2,890.92	3/4	2,524.73	3/4	2,158.53
3		3	5,080.30	3	4,714.25	3	4,348.06	3	3,981.87	3	3,615.68	3	3,249.48	3	2,883.29	3	2,517.10	3	2,150.91
1/4		1/4	5,072.81	1/4	4,706.62	1/4	4,340.43	1/4	3,974.24	1/4	3,608.05	1/4	3,241.85	1/4	2,875.66	1/4	2,509.47	1/4	2,143.28
1/2		1/2	5,065.18	1/2	4,698.99	1/2	4,332.80	1/2	3,966.61	1/2	3,600.42	1/2	3,234.22	1/2	2,868.03	1/2	2,501.84	1/2	2,135.65
3/4		3/4	5,057.56	3/4	4,691.37	3/4	4,325.17	3/4	3,958.98	3/4	3,592.79	3/4	3,226.60	3/4	2,860.41	3/4	2,494.21	3/4	2,128.02
4		4	5,049.93	4	4,683.74	4	4,317.54	4	3,951.35	4	3,585.16	4	3,218.97	4	2,852.78	4	2,486.58	4	2,120.39
1/4		1/4	5,042.30	1/4	4,676.11	1/4	4,309.91	1/4	3,943.72	1/4	3,577.53	1/4	3,211.34	1/4	2,845.15	1/4	2,478.95	1/4	2,112.76
1/2		1/2	5,034.67	1/2	4,668.48	1/2	4,302.28	1/2	3,936.09	1/2	3,569.90	1/2	3,203.71	1/2	2,837.52	1/2	2,471.32	1/2	2,105.13
3/4		3/4	5,027.04	3/4	4,660.85	3/4	4,294.66	3/4	3,928.47	3/4	3,562.27	3/4	3,196.08	3/4	2,829.89	3/4	2,463.69	3/4	2,097.50
5		5	5,019.41	5	4,653.22	5	4,287.03	5	3,920.84	5	3,554.64	5	3,188.45	5	2,822.26	5	2,456.07	5	2,089.88
1/4		1/4	5,011.78	1/4	4,645.59	1/4	4,279.40	1/4	3,913.21	1/4	3,547.01	1/4	3,180.82	1/4	2,814.63	1/4	2,448.44	1/4	2,082.25
1/2		1/2	5,004.15	1/2	4,637.96	1/2	4,271.77	1/2	3,905.58	1/2	3,539.38	1/2	3,173.19	1/2	2,807.00	1/2	2,440.81	1/2	2,074.62
3/4		3/4	4,996.53	3/4	4,630.33	3/4	4,264.14	3/4	3,897.95	3/4	3,531.76	3/4	3,165.57	3/4	2,799.37	3/4	2,433.18	3/4	2,066.99
6		6	4,988.90	6	4,622.70	6	4,256.51	6	3,890.32	6	3,524.13	6	3,157.94	6	2,791.74	6	2,425.55	6	2,059.36
1/4		1/4	4,981.27	1/4	4,615.07	1/4	4,248.88	1/4	3,882.69	1/4	3,516.50	1/4	3,150.31	1/4	2,784.11	1/4	2,417.92	1/4	2,051.73
1/2		1/2	4,973.64	1/2	4,607.44	1/2	4,241.25	1/2	3,875.06	1/2	3,508.87	1/2	3,142.68	1/2	2,776.48	1/2	2,410.29	1/2	2,044.10
3/4		3/4	4,966.01	3/4	4,599.82	3/4	4,233.63	3/4	3,867.43	3/4	3,501.24	3/4	3,135.05	3/4	2,768.86	3/4	2,402.66	3/4	2,036.47
7		7	4,958.38	7	4,592.19	7	4,226.00	7	3,859.80	7	3,493.61	7	3,127.42	7	2,761.23	7	2,395.04	7	2,028.84
1/4		1/4	4,950.75	1/4	4,584.56	1/4	4,218.37	1/4	3,852.17	1/4	3,485.98	1/4	3,119.79	1/4	2,753.60	1/4	2,387.41	1/4	2,021.21
1/2		1/2	4,943.12	1/2	4,576.93	1/2	4,210.74	1/2	3,844.54	1/2	3,478.35	1/2	3,112.16	1/2	2,745.97	1/2	2,379.78	1/2	2,013.58
3/4	5,198.64	3/4	4,935.49	3/4	4,569.30	3/4	4,203.11	3/4	3,836.92	3/4	3,470.73	3/4	3,104.53	3/4	2,738.34	3/4	2,372.15	3/4	2,005.95
8	5,198.22	8	4,927.86	8	4,561.67	8	4,195.48	8	3,829.29	8	3,463.10	8	3,096.90	8	2,730.71	8	2,364.52	8	1,998.33
1/4	5,197.80	1/4	4,920.23	1/4	4,554.04	1/4	4,187.85	1/4	3,821.66	1/4	3,455.47	1/4	3,089.27	1/4	2,723.08	1/4	2,356.89	1/4	1,990.70
1/2	5,196.64	1/2	4,912.60	1/2	4,546.41	1/2	4,180.22	1/2	3,814.03	1/2	3,447.84	1/2	3,081.64	1/2	2,715.45	1/2	2,349.26	1/2	1,983.07
3/4	5,195.48	3/4	4,904.98	3/4	4,538.79	3/4	4,172.59	3/4	3,806.40	3/4	3,440.21	3/4	3,074.02	3/4	2,707.83	3/4	2,341.63	3/4	1,975.44
9	5,194.31	9	4,897.35	9	4,531.16	9	4,164.96	9	3,798.77	9	3,432.58	9	3,066.39	9	2,700.20	9	2,334.00	9	1,967.81
1/4	5,193.15	1/4	4,889.72	1/4	4,523.53	1/4	4,157.33	1/4	3,791.14	1/4	3,424.95	1/4	3,058.76	1/4	2,692.57	1/4	2,326.37	1/4	1,960.18
1/2	5,190.89	1/2	4,882.09	1/2	4,515.90	1/2	4,149.70	1/2	3,783.51	1/2	3,417.32	1/2	3,051.13	1/2	2,684.94	1/2	2,318.74	1/2	1,952.55
3/4	5,188.64	3/4	4,874.46	3/4	4,508.27	3/4	4,142.08	3/4	3,775.89	3/4	3,409.69	3/4	3,043.50	3/4	2,677.31	3/4	2,311.11	3/4	1,944.92
10	5,186.38	10	4,866.83	10	4,500.64	10	4,134.45	10	3,768.26	10	3,402.06	10	3,035.87	10	2,669.68	10	2,303.49	10	1,937.30
1/4	5,184.12	1/4	4,859.20	1/4	4,493.01	1/4	4,126.82	1/4	3,760.63	1/4	3,394.43	1/4	3,028.24	1/4	2,662.05	1/4	2,295.86	1/4	1,929.67
1/2	5,180.73	1/2	4,851.57	1/2	4,485.38	1/2	4,119.19	1/2	3,753.00	1/2	3,386.80	1/2	3,020.61	1/2	2,654.42	1/2	2,288.23	1/2	1,922.04
3/4	5,177.35	3/4	4,843.95	3/4	4,477.75	3/4	4,111.56	3/4	3,745.37	3/4	3,379.18	3/4	3,012.99	3/4	2,646.79	3/4	2,280.60	3/4	1,914.41
11	5,173.96	11	4,836.32	11	4,470.12	11	4,103.93	11	3,737.74	11	3,371.55	11	3,005.36	11	2,639.16	11	2,272.97	11	1,906.78
1/4	5,170.57	1/4	4,828.69	1/4	4,462.49	1/4	4,096.30	1/4	3,730.11	1/4	3,363.92	1/4	2,997.73	1/4	2,631.53	1/4	2,265.34	1/4	1,899.15
1/2	5,166.05	1/2	4,821.06	1/2	4,454.86	1/2	4,088.67	1/2	3,722.48	1/2	3,356.29	1/2	2,990.10	1/2	2,623.90	1/2	2,257.71	1/2	1,891.52
3/4	5,161.53	3/4	4,813.43	3/4	4,447.24	3/4	4,081.05	3/4	3,714.85	3/4	3,348.66	3/4	2,982.47	3/4	2,616.27	3/4	2,250.08	3/4	1,883.89

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 10-09" 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 3004"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,876.26	0	1,510.07	0	1,143.88	0	777.69	0	413.14	0	75.32	0		0		0		0	
1/4	1,868.63	1/4	1,502.44	1/4	1,136.25	1/4	770.06	1/4	405.70	1/4	68.63	1/4		1/4		1/4		1/4	
1/2	1,861.00	1/2	1,494.81	1/2	1,128.62	1/2	762.43	1/2	398.35	1/2	62.13	1/2		1/2		1/2		1/2	
3/4	1,853.37	3/4	1,487.18	3/4	1,120.99	3/4	754.80	3/4	391.00	3/4	55.64	3/4		3/4		3/4		3/4	
1	1,845.75	1	1,479.56	1	1,113.36	1	747.17	1	383.66	1	49.14	1		1		1		1	
1/4	1,838.12	1/4	1,471.93	1/4	1,105.73	1/4	739.54	1/4	376.31	1/4	42.65	1/4		1/4		1/4		1/4	
1/2	1,830.49	1/2	1,464.30	1/2	1,098.10	1/2	731.91	1/2	368.99	1/2	37.48	1/2		1/2		1/2		1/2	
3/4	1,822.86	3/4	1,456.67	3/4	1,090.47	3/4	724.28	3/4	361.67	3/4	32.30	3/4		3/4		3/4		3/4	
2	1,815.23	2	1,449.04	2	1,082.85	2	716.66	2	354.35	2	27.13	2		2		2		2	
1/4	1,807.60	1/4	1,441.41	1/4	1,075.22	1/4	709.03	1/4	347.03	1/4	21.96	1/4		1/4		1/4		1/4	
1/2	1,799.97	1/2	1,433.78	1/2	1,067.59	1/2	701.40	1/2	339.81	1/2		1/2		1/2		1/2		1/2	
3/4	1,792.34	3/4	1,426.15	3/4	1,059.96	3/4	693.77	3/4	332.58	3/4		3/4		3/4		3/4		3/4	
3	1,784.72	3	1,418.52	3	1,052.33	3	686.14	3	325.36	3		3		3		3		3	
1/4	1,777.09	1/4	1,410.89	1/4	1,044.70	1/4	678.51	1/4	318.14	1/4		1/4		1/4		1/4		1/4	
1/2	1,769.46	1/2	1,403.26	1/2	1,037.07	1/2	670.88	1/2	310.95	1/2		1/2		1/2		1/2		1/2	
3/4	1,761.83	3/4	1,395.63	3/4	1,029.44	3/4	663.25	3/4	303.75	3/4		3/4		3/4		3/4		3/4	
4	1,754.20	4	1,388.01	4	1,021.82	4	655.62	4	296.56	4		4		4		4		4	
1/4	1,746.57	1/4	1,380.38	1/4	1,014.19	1/4	647.99	1/4	289.37	1/4		1/4		1/4		1/4		1/4	
1/2	1,738.94	1/2	1,372.75	1/2	1,006.56	1/2	640.36	1/2	282.27	1/2		1/2		1/2		1/2		1/2	
3/4	1,731.31	3/4	1,365.12	3/4	998.93	3/4	632.73	3/4	275.17	3/4		3/4		3/4		3/4		3/4	
5	1,723.68	5	1,357.49	5	991.30	5	625.11	5	268.07	5		5		5		5		5	
1/4	1,716.05	1/4	1,349.86	1/4	983.67	1/4	617.48	1/4	260.97	1/4		1/4		1/4		1/4		1/4	
1/2	1,708.42	1/2	1,342.23	1/2	976.04	1/2	609.85	1/2	253.90	1/2		1/2		1/2		1/2		1/2	
3/4	1,700.79	3/4	1,334.60	3/4	968.41	3/4	602.22	3/4	246.83	3/4		3/4		3/4		3/4		3/4	
6	1,693.17	6	1,326.98	6	960.78	6	594.59	6	239.76	6		6		6		6		6	
1/4	1,685.54	1/4	1,319.35	1/4	953.15	1/4	586.96	1/4	232.69	1/4		1/4		1/4		1/4		1/4	
1/2	1,677.91	1/2	1,311.72	1/2	945.52	1/2	579.33	1/2	225.71	1/2		1/2		1/2		1/2		1/2	
3/4	1,670.28	3/4	1,304.09	3/4	937.89	3/4	571.70	3/4	218.74	3/4		3/4		3/4		3/4		3/4	
7	1,662.65	7	1,296.46	7	930.27	7	564.08	7	211.76	7		7		7		7		7	
1/4	1,655.02	1/4	1,288.83	1/4	922.64	1/4	556.45	1/4	204.79	1/4		1/4		1/4		1/4		1/4	
1/2	1,647.39	1/2	1,281.20	1/2	915.01	1/2	548.82	1/2	197.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,639.76	3/4	1,273.57	3/4	907.38	3/4	541.19	3/4	190.90	3/4		3/4		3/4		3/4		3/4	
8	1,632.14	8	1,265.94	8	899.75	8	533.56	8	183.95	8		8		8		8		8	
1/4	1,624.51	1/4	1,258.31	1/4	892.12	1/4	525.93	1/4	177.01	1/4		1/4		1/4		1/4		1/4	
1/2	1,616.88	1/2	1,250.68	1/2	884.49	1/2	518.35	1/2	170.16	1/2		1/2		1/2		1/2		1/2	
3/4	1,609.25	3/4	1,243.05	3/4	876.86	3/4	510.77	3/4	163.30	3/4		3/4		3/4		3/4		3/4	
9	1,601.62	9	1,235.43	9	869.24	9	503.19	9	156.45	9		9		9		9		9	
1/4	1,593.99	1/4	1,227.80	1/4	861.61	1/4	495.61	1/4	149.60	1/4		1/4		1/4		1/4		1/4	
1/2	1,586.36	1/2	1,220.17	1/2	853.98	1/2	488.04	1/2	142.78	1/2		1/2		1/2		1/2		1/2	
3/4	1,578.73	3/4	1,212.54	3/4	846.35	3/4	480.48	3/4	135.96	3/4		3/4		3/4		3/4		3/4	
10	1,571.10	10	1,204.91	10	838.72	10	472.91	10	129.14	10		10		10		10		10	
1/4	1,563.47	1/4	1,197.28	1/4	831.09	1/4	465.35	1/4	122.32	1/4		1/4		1/4		1/4		1/4	
1/2	1,555.84	1/2	1,189.65	1/2	823.46	1/2	457.88	1/2	115.59	1/2		1/2		1/2		1/2		1/2	
3/4	1,548.21	3/4	1,182.02	3/4	815.83	3/4	450.40	3/4	108.86	3/4		3/4		3/4		3/4		3/4	
11	1,540.59	11	1,174.40	11	808.20	11	442.93	11	102.14	11		11		11		11		11	
1/4	1,532.96	1/4	1,166.77	1/4	800.57	1/4	435.46	1/4	95.41	1/4		1/4		1/4		1/4		1/4	
1/2	1,525.33	1/2	1,159.14	1/2	792.94	1/2	428.02	1/2	88.71	1/2		1/2		1/2		1/2		1/2	
3/4	1,517.70	3/4	1,151.51	3/4	785.31	3/4	420.58	3/4	82.02	3/4		3/4		3/4		3/4		3/4	

STRAPPED: 06/18/1998
DECK MEASUREMENTS: 05/11/2016 SW
PRINTED: 05/11/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2016

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "NGL 3004"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	5,152.49	0	4,798.17	0	4,431.98	0	4,065.79	0	3,699.59	0	3,333.40	0	2,967.21	0	2,601.02	0	2,234.83
1/4		1/4	5,146.84	1/4	4,790.54	1/4	4,424.35	1/4	4,058.16	1/4	3,691.96	1/4	3,325.77	1/4	2,959.58	1/4	2,593.39	1/4	2,227.20
1/2		1/2	5,141.19	1/2	4,782.91	1/2	4,416.72	1/2	4,050.53	1/2	3,684.34	1/2	3,318.15	1/2	2,951.95	1/2	2,585.76	1/2	2,219.57
3/4		3/4	5,135.54	3/4	4,775.28	3/4	4,409.09	3/4	4,042.90	3/4	3,676.71	3/4	3,310.52	3/4	2,944.32	3/4	2,578.13	3/4	2,211.94
1		1	5,129.89	1	4,767.65	1	4,401.46	1	4,035.27	1	3,669.08	1	3,302.89	1	2,936.69	1	2,570.50	1	2,204.31
1/4		1/4	5,123.11	1/4	4,760.02	1/4	4,393.83	1/4	4,027.64	1/4	3,661.45	1/4	3,295.26	1/4	2,929.06	1/4	2,562.87	1/4	2,196.68
1/2		1/2	5,116.33	1/2	4,752.40	1/2	4,386.21	1/2	4,020.01	1/2	3,653.82	1/2	3,287.63	1/2	2,921.44	1/2	2,555.24	1/2	2,189.05
3/4		3/4	5,109.54	3/4	4,744.77	3/4	4,378.58	3/4	4,012.38	3/4	3,646.19	3/4	3,280.00	3/4	2,913.81	3/4	2,547.62	3/4	2,181.42
2		2	5,102.76	2	4,737.14	2	4,370.95	2	4,004.75	2	3,638.56	2	3,272.37	2	2,906.18	2	2,539.99	2	2,173.79
1/4		1/4	5,095.27	1/4	4,729.51	1/4	4,363.32	1/4	3,997.12	1/4	3,630.93	1/4	3,264.74	1/4	2,898.55	1/4	2,532.36	1/4	2,166.16
1/2		1/2	5,087.79	1/2	4,721.88	1/2	4,355.69	1/2	3,989.50	1/2	3,623.31	1/2	3,257.11	1/2	2,890.92	1/2	2,524.73	1/2	2,158.53
3/4		3/4	5,080.30	3/4	4,714.25	3/4	4,348.06	3/4	3,981.87	3/4	3,615.68	3/4	3,249.48	3/4	2,883.29	3/4	2,517.10	3/4	2,150.91
3		3	5,072.81	3	4,706.62	3	4,340.43	3	3,974.24	3	3,608.05	3	3,241.85	3	2,875.66	3	2,509.47	3	2,143.28
1/4		1/4	5,065.18	1/4	4,698.99	1/4	4,332.80	1/4	3,966.61	1/4	3,600.42	1/4	3,234.22	1/4	2,868.03	1/4	2,501.84	1/4	2,135.65
1/2		1/2	5,057.56	1/2	4,691.37	1/2	4,325.17	1/2	3,958.98	1/2	3,592.79	1/2	3,226.60	1/2	2,860.41	1/2	2,494.21	1/2	2,128.02
3/4		3/4	5,049.93	3/4	4,683.74	3/4	4,317.54	3/4	3,951.35	3/4	3,585.16	3/4	3,218.97	3/4	2,852.78	3/4	2,486.58	3/4	2,120.39
4		4	5,042.30	4	4,676.11	4	4,309.91	4	3,943.72	4	3,577.53	4	3,211.34	4	2,845.15	4	2,478.95	4	2,112.76
1/4		1/4	5,034.67	1/4	4,668.48	1/4	4,302.28	1/4	3,936.09	1/4	3,569.90	1/4	3,203.71	1/4	2,837.52	1/4	2,471.32	1/4	2,105.13
1/2		1/2	5,027.04	1/2	4,660.85	1/2	4,294.66	1/2	3,928.47	1/2	3,562.27	1/2	3,196.08	1/2	2,829.89	1/2	2,463.69	1/2	2,097.50
3/4		3/4	5,019.41	3/4	4,653.22	3/4	4,287.03	3/4	3,920.84	3/4	3,554.64	3/4	3,188.45	3/4	2,822.26	3/4	2,456.07	3/4	2,089.88
5		5	5,011.78	5	4,645.59	5	4,279.40	5	3,913.21	5	3,547.01	5	3,180.82	5	2,814.63	5	2,448.44	5	2,082.25
1/4		1/4	5,004.15	1/4	4,637.96	1/4	4,271.77	1/4	3,905.58	1/4	3,539.38	1/4	3,173.19	1/4	2,807.00	1/4	2,440.81	1/4	2,074.62
1/2		1/2	4,996.53	1/2	4,630.33	1/2	4,264.14	1/2	3,897.95	1/2	3,531.76	1/2	3,165.57	1/2	2,799.37	1/2	2,433.18	1/2	2,066.99
3/4		3/4	4,988.90	3/4	4,622.70	3/4	4,256.51	3/4	3,890.32	3/4	3,524.13	3/4	3,157.94	3/4	2,791.74	3/4	2,425.55	3/4	2,059.36
6		6	4,981.27	6	4,615.07	6	4,248.88	6	3,882.69	6	3,516.50	6	3,150.31	6	2,784.11	6	2,417.92	6	2,051.73
1/4		1/4	4,973.64	1/4	4,607.44	1/4	4,241.25	1/4	3,875.06	1/4	3,508.87	1/4	3,142.68	1/4	2,776.48	1/4	2,410.29	1/4	2,044.10
1/2		1/2	4,966.01	1/2	4,599.82	1/2	4,233.63	1/2	3,867.43	1/2	3,501.24	1/2	3,135.05	1/2	2,768.86	1/2	2,402.66	1/2	2,036.47
3/4		3/4	4,958.38	3/4	4,592.19	3/4	4,226.00	3/4	3,859.80	3/4	3,493.61	3/4	3,127.42	3/4	2,761.23	3/4	2,395.04	3/4	2,028.84
7		7	4,950.75	7	4,584.56	7	4,218.37	7	3,852.17	7	3,485.98	7	3,119.79	7	2,753.60	7	2,387.41	7	2,021.21
1/4		1/4	4,943.12	1/4	4,576.93	1/4	4,210.74	1/4	3,844.54	1/4	3,478.35	1/4	3,112.16	1/4	2,745.97	1/4	2,379.78	1/4	2,013.58
1/2	5,198.64	1/2	4,935.49	1/2	4,569.30	1/2	4,203.11	1/2	3,836.92	1/2	3,470.73	1/2	3,104.53	1/2	2,738.34	1/2	2,372.15	1/2	2,005.95
3/4	5,198.22	3/4	4,927.86	3/4	4,561.67	3/4	4,195.48	3/4	3,829.29	3/4	3,463.10	3/4	3,096.90	3/4	2,730.71	3/4	2,364.52	3/4	1,998.33
8	5,197.80	8	4,920.23	8	4,554.04	8	4,187.85	8	3,821.66	8	3,455.47	8	3,089.27	8	2,723.08	8	2,356.89	8	1,990.70
1/4	5,196.64	1/4	4,912.60	1/4	4,546.41	1/4	4,180.22	1/4	3,814.03	1/4	3,447.84	1/4	3,081.64	1/4	2,715.45	1/4	2,349.26	1/4	1,983.07
1/2	5,195.48	1/2	4,904.98	1/2	4,538.79	1/2	4,172.59	1/2	3,806.40	1/2	3,440.21	1/2	3,074.02	1/2	2,707.83	1/2	2,341.63	1/2	1,975.44
3/4	5,194.31	3/4	4,897.35	3/4	4,531.16	3/4	4,164.96	3/4	3,798.77	3/4	3,432.58	3/4	3,066.39	3/4	2,700.20	3/4	2,334.00	3/4	1,967.81
9	5,193.15	9	4,889.72	9	4,523.53	9	4,157.33	9	3,791.14	9	3,424.95	9	3,058.76	9	2,692.57	9	2,326.37	9	1,960.18
1/4	5,190.89	1/4	4,882.09	1/4	4,515.90	1/4	4,149.70	1/4	3,783.51	1/4	3,417.32	1/4	3,051.13	1/4	2,684.94	1/4	2,318.74	1/4	1,952.55
1/2	5,188.64	1/2	4,874.46	1/2	4,508.27	1/2	4,142.08	1/2	3,775.89	1/2	3,409.69	1/2	3,043.50	1/2	2,677.31	1/2	2,311.11	1/2	1,944.92
3/4	5,186.38	3/4	4,866.83	3/4	4,500.64	3/4	4,134.45	3/4	3,768.26	3/4	3,402.06	3/4	3,035.87	3/4	2,669.68	3/4	2,303.49	3/4	1,937.30
10	5,184.12	10	4,859.20	10	4,493.01	10	4,126.82	10	3,760.63	10	3,394.43	10	3,028.24	10	2,662.05	10	2,295.86	10	1,929.67
1/4	5,180.73	1/4	4,851.57	1/4	4,485.38	1/4	4,119.19	1/4	3,753.00	1/4	3,386.80	1/4	3,020.61	1/4	2,654.42	1/4	2,288.23	1/4	1,922.04
1/2	5,177.35	1/2	4,843.95	1/2	4,477.75	1/2	4,111.56	1/2	3,745.37	1/2	3,379.18	1/2	3,012.99	1/2	2,646.79	1/2	2,280.60	1/2	1,914.41
3/4	5,173.96	3/4	4,836.32	3/4	4,470.12	3/4	4,103.93	3/4	3,737.74	3/4	3,371.55	3/4	3,005.36	3/4	2,639.16	3/4	2,272.97	3/4	1,906.78
11	5,170.57	11	4,828.69	11	4,462.49	11	4,096.30	11	3,730.11	11	3,363.92	11	2,997.73	11	2,631.53	11	2,265.34	11	1,899.15
1/4	5,166.05	1/4	4,821.06	1/4	4,454.86	1/4	4,088.67	1/4	3,722.48	1/4	3,356.29	1/4	2,990.10	1/4	2,623.90	1/4	2,257.71	1/4	1,891.52
1/2	5,161.53	1/2	4,813.43	1/2	4,447.24	1/2	4,081.05	1/2	3,714.85	1/2	3,348.66	1/2	2,982.47	1/2	2,616.27	1/2	2,250.08	1/2	1,883.89
3/4	5,157.01	3/4	4,805.80	3/4	4,439.61	3/4	4,073.42	3/4	3,707.22	3/4	3,341.03	3/4	2,974.84	3/4	2,608.65	3/4	2,242.46	3/4	1,876.26

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 10-09" 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 3004"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,868.63	0	1,502.44	0	1,136.25	0	770.06	0	405.70	0	68.63	0		0		0		0	
1/4	1,861.00	1/4	1,494.81	1/4	1,128.62	1/4	762.43	1/4	398.35	1/4	62.13	1/4		1/4		1/4		1/4	
1/2	1,853.37	1/2	1,487.18	1/2	1,120.99	1/2	754.80	1/2	391.00	1/2	55.64	1/2		1/2		1/2		1/2	
3/4	1,845.75	3/4	1,479.56	3/4	1,113.36	3/4	747.17	3/4	383.66	3/4	49.14	3/4		3/4		3/4		3/4	
1	1,838.12	1	1,471.93	1	1,105.73	1	739.54	1	376.31	1	42.65	1		1		1		1	
1/4	1,830.49	1/4	1,464.30	1/4	1,098.10	1/4	731.91	1/4	368.99	1/4	37.48	1/4		1/4		1/4		1/4	
1/2	1,822.86	1/2	1,456.67	1/2	1,090.47	1/2	724.28	1/2	361.67	1/2	32.30	1/2		1/2		1/2		1/2	
3/4	1,815.23	3/4	1,449.04	3/4	1,082.85	3/4	716.66	3/4	354.35	3/4	27.13	3/4		3/4		3/4		3/4	
2	1,807.60	2	1,441.41	2	1,075.22	2	709.03	2	347.03	2	21.96	2		2		2		2	
1/4	1,799.97	1/4	1,433.78	1/4	1,067.59	1/4	701.40	1/4	339.81	1/4		1/4		1/4		1/4		1/4	
1/2	1,792.34	1/2	1,426.15	1/2	1,059.96	1/2	693.77	1/2	332.58	1/2		1/2		1/2		1/2		1/2	
3/4	1,784.72	3/4	1,418.52	3/4	1,052.33	3/4	686.14	3/4	325.36	3/4		3/4		3/4		3/4		3/4	
3	1,777.09	3	1,410.89	3	1,044.70	3	678.51	3	318.14	3		3		3		3		3	
1/4	1,769.46	1/4	1,403.26	1/4	1,037.07	1/4	670.88	1/4	310.95	1/4		1/4		1/4		1/4		1/4	
1/2	1,761.83	1/2	1,395.63	1/2	1,029.44	1/2	663.25	1/2	303.75	1/2		1/2		1/2		1/2		1/2	
3/4	1,754.20	3/4	1,388.01	3/4	1,021.82	3/4	655.62	3/4	296.56	3/4		3/4		3/4		3/4		3/4	
4	1,746.57	4	1,380.38	4	1,014.19	4	647.99	4	289.37	4		4		4		4		4	
1/4	1,738.94	1/4	1,372.75	1/4	1,006.56	1/4	640.36	1/4	282.27	1/4		1/4		1/4		1/4		1/4	
1/2	1,731.31	1/2	1,365.12	1/2	998.93	1/2	632.73	1/2	275.17	1/2		1/2		1/2		1/2		1/2	
3/4	1,723.68	3/4	1,357.49	3/4	991.30	3/4	625.11	3/4	268.07	3/4		3/4		3/4		3/4		3/4	
5	1,716.05	5	1,349.86	5	983.67	5	617.48	5	260.97	5		5		5		5		5	
1/4	1,708.42	1/4	1,342.23	1/4	976.04	1/4	609.85	1/4	253.90	1/4		1/4		1/4		1/4		1/4	
1/2	1,700.79	1/2	1,334.60	1/2	968.41	1/2	602.22	1/2	246.83	1/2		1/2		1/2		1/2		1/2	
3/4	1,693.17	3/4	1,326.98	3/4	960.78	3/4	594.59	3/4	239.76	3/4		3/4		3/4		3/4		3/4	
6	1,685.54	6	1,319.35	6	953.15	6	586.96	6	232.69	6		6		6		6		6	
1/4	1,677.91	1/4	1,311.72	1/4	945.52	1/4	579.33	1/4	225.71	1/4		1/4		1/4		1/4		1/4	
1/2	1,670.28	1/2	1,304.09	1/2	937.89	1/2	571.70	1/2	218.74	1/2		1/2		1/2		1/2		1/2	
3/4	1,662.65	3/4	1,296.46	3/4	930.27	3/4	564.08	3/4	211.76	3/4		3/4		3/4		3/4		3/4	
7	1,655.02	7	1,288.83	7	922.64	7	556.45	7	204.79	7		7		7		7		7	
1/4	1,647.39	1/4	1,281.20	1/4	915.01	1/4	548.82	1/4	197.84	1/4		1/4		1/4		1/4		1/4	
1/2	1,639.76	1/2	1,273.57	1/2	907.38	1/2	541.19	1/2	190.90	1/2		1/2		1/2		1/2		1/2	
3/4	1,632.14	3/4	1,265.94	3/4	899.75	3/4	533.56	3/4	183.95	3/4		3/4		3/4		3/4		3/4	
8	1,624.51	8	1,258.31	8	892.12	8	525.93	8	177.01	8		8		8		8		8	
1/4	1,616.88	1/4	1,250.68	1/4	884.49	1/4	518.35	1/4	170.16	1/4		1/4		1/4		1/4		1/4	
1/2	1,609.25	1/2	1,243.05	1/2	876.86	1/2	510.77	1/2	163.30	1/2		1/2		1/2		1/2		1/2	
3/4	1,601.62	3/4	1,235.43	3/4	869.24	3/4	503.19	3/4	156.45	3/4		3/4		3/4		3/4		3/4	
9	1,593.99	9	1,227.80	9	861.61	9	495.61	9	149.60	9		9		9		9		9	
1/4	1,586.36	1/4	1,220.17	1/4	853.98	1/4	488.04	1/4	142.78	1/4		1/4		1/4		1/4		1/4	
1/2	1,578.73	1/2	1,212.54	1/2	846.35	1/2	480.48	1/2	135.96	1/2		1/2		1/2		1/2		1/2	
3/4	1,571.10	3/4	1,204.91	3/4	838.72	3/4	472.91	3/4	129.14	3/4		3/4		3/4		3/4		3/4	
10	1,563.47	10	1,197.28	10	831.09	10	465.35	10	122.32	10		10		10		10		10	
1/4	1,555.84	1/4	1,189.65	1/4	823.46	1/4	457.88	1/4	115.59	1/4		1/4		1/4		1/4		1/4	
1/2	1,548.21	1/2	1,182.02	1/2	815.83	1/2	450.40	1/2	108.86	1/2		1/2		1/2		1/2		1/2	
3/4	1,540.59	3/4	1,174.40	3/4	808.20	3/4	442.93	3/4	102.14	3/4		3/4		3/4		3/4		3/4	
11	1,532.96	11	1,166.77	11	800.57	11	435.46	11	95.41	11		11		11		11		11	
1/4	1,525.33	1/4	1,159.14	1/4	792.94	1/4	428.02	1/4	88.71	1/4		1/4		1/4		1/4		1/4	
1/2	1,517.70	1/2	1,151.51	1/2	785.31	1/2	420.58	1/2	82.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,510.07	3/4	1,143.88	3/4	777.69	3/4	413.14	3/4	75.32	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/18/1998
DECK MEASUREMENTS: 05/11/2016 SW
PRINTED: 05/11/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2016

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



BARGE "NGL 3004"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0		0	4,873.16	0	4,548.83	0	4,205.94	0	3,862.59	0	3,519.25	0	3,175.91	0	2,832.56	0	2,489.22	0	2,145.87		
1/4	1/4	4,869.19	1/4	4,541.73	1/4	4,198.79	1/4	3,855.44	1/4	3,512.10	1/4	3,168.76	1/4	2,825.41	1/4	2,482.07	1/4	2,138.72			
1/2	1/2	4,864.16	1/2	4,534.63	1/2	4,191.64	1/2	3,848.29	1/2	3,504.95	1/2	3,161.60	1/2	2,818.26	1/2	2,474.92	1/2	2,131.57			
3/4	3/4	4,859.13	3/4	4,527.53	3/4	4,184.49	3/4	3,841.13	3/4	3,497.79	3/4	3,154.45	3/4	2,811.10	3/4	2,467.76	3/4	2,124.41			
1		1	4,854.09	1	4,520.42	1	4,177.33	1	3,833.98	1	3,490.64	1	3,147.29	1	2,803.95	1	2,460.61	1	2,117.26		
1/4	1/4	4,849.06	1/4	4,513.32	1/4	4,170.18	1/4	3,826.83	1/4	3,483.49	1/4	3,140.14	1/4	2,796.80	1/4	2,453.46	1/4	2,110.11			
1/2	1/2	4,842.99	1/2	4,506.22	1/2	4,163.03	1/2	3,819.68	1/2	3,476.34	1/2	3,132.99	1/2	2,789.65	1/2	2,446.30	1/2	2,102.96			
3/4	3/4	4,836.93	3/4	4,499.12	3/4	4,155.87	3/4	3,812.52	3/4	3,469.18	3/4	3,125.83	3/4	2,782.49	3/4	2,439.15	3/4	2,095.80			
2		2	4,830.86	2	4,492.01	2	4,148.72	2	3,805.37	2	3,462.03	2	3,118.68	2	2,775.34	2	2,431.99	2	2,088.65		
1/4	1/4	4,824.79	1/4	4,484.91	1/4	4,141.56	1/4	3,798.22	1/4	3,454.88	1/4	3,111.53	1/4	2,768.19	1/4	2,424.84	1/4	2,081.50			
1/2	1/2	4,817.95	1/2	4,477.76	1/2	4,134.41	1/2	3,791.07	1/2	3,447.72	1/2	3,104.38	1/2	2,761.04	1/2	2,417.69	1/2	2,074.35			
3/4	3/4	4,811.12	3/4	4,470.61	3/4	4,127.26	3/4	3,783.91	3/4	3,440.57	3/4	3,097.22	3/4	2,753.88	3/4	2,410.53	3/4	2,067.19			
3		3	4,804.28	3	4,463.45	3	4,120.10	3	3,776.76	3	3,433.41	3	3,090.07	3	2,746.73	3	2,403.38	3	2,060.04		
1/4	1/4	4,797.44	1/4	4,456.30	1/4	4,112.95	1/4	3,769.61	1/4	3,426.26	1/4	3,082.92	1/4	2,739.58	1/4	2,396.23	1/4	2,052.89			
1/2	1/2	4,790.34	1/2	4,449.15	1/2	4,105.80	1/2	3,762.46	1/2	3,419.11	1/2	3,075.77	1/2	2,732.42	1/2	2,389.08	1/2	2,045.74			
3/4	3/4	4,783.24	3/4	4,441.99	3/4	4,098.65	3/4	3,755.30	3/4	3,411.95	3/4	3,068.61	3/4	2,725.27	3/4	2,381.92	3/4	2,038.58			
4		4	4,776.13	4	4,434.84	4	4,091.49	4	3,748.15	4	3,404.80	4	3,061.46	4	2,718.11	4	2,374.77	4	2,031.43		
1/4	1/4	4,769.03	1/4	4,427.68	1/4	4,084.34	1/4	3,741.00	1/4	3,397.65	1/4	3,054.31	1/4	2,710.96	1/4	2,367.62	1/4	2,024.28			
1/2	1/2	4,761.93	1/2	4,420.53	1/2	4,077.19	1/2	3,733.84	1/2	3,390.50	1/2	3,047.16	1/2	2,703.81	1/2	2,360.47	1/2	2,017.12			
3/4	3/4	4,754.83	3/4	4,413.38	3/4	4,070.04	3/4	3,726.69	3/4	3,383.34	3/4	3,040.00	3/4	2,696.65	3/4	2,353.31	3/4	2,009.97			
5		5	4,747.72	5	4,406.22	5	4,062.88	5	3,719.53	5	3,376.19	5	3,032.85	5	2,689.50	5	2,346.16	5	2,002.81		
1/4	1/4	4,740.62	1/4	4,399.07	1/4	4,055.73	1/4	3,712.38	1/4	3,369.04	1/4	3,025.70	1/4	2,682.35	1/4	2,339.01	1/4	1,995.66			
1/2	1/2	4,733.52	1/2	4,391.92	1/2	4,048.58	1/2	3,705.23	1/2	3,361.89	1/2	3,018.54	1/2	2,675.20	1/2	2,331.86	1/2	1,988.51			
3/4	3/4	4,726.41	3/4	4,384.77	3/4	4,041.43	3/4	3,698.07	3/4	3,354.73	3/4	3,011.39	3/4	2,668.04	3/4	2,324.70	3/4	1,981.35			
6		6	4,719.31	6	4,377.61	6	4,034.27	6	3,690.92	6	3,347.58	6	3,004.23	6	2,660.89	6	2,317.55	6	1,974.20		
1/4	1/4	4,712.20	1/4	4,370.46	1/4	4,027.12	1/4	3,683.77	1/4	3,340.43	1/4	2,997.08	1/4	2,653.74	1/4	2,310.40	1/4	1,967.05			
1/2	1/2	4,705.10	1/2	4,363.31	1/2	4,019.97	1/2	3,676.62	1/2	3,333.28	1/2	2,989.93	1/2	2,646.59	1/2	2,303.24	1/2	1,959.90			
3/4	3/4	4,698.00	3/4	4,356.16	3/4	4,012.81	3/4	3,669.46	3/4	3,326.12	3/4	2,982.77	3/4	2,639.43	3/4	2,296.09	3/4	1,952.74			
7		7	4,690.89	7	4,349.00	7	4,005.66	7	3,662.31	7	3,318.97	7	2,975.62	7	2,632.28	7	2,288.93	7	1,945.59		
1/4	1/4	4,683.79	1/4	4,341.85	1/4	3,998.50	1/4	3,655.16	1/4	3,311.82	1/4	2,968.47	1/4	2,625.13	1/4	2,281.78	1/4	1,938.44			
1/2	1/2	4,676.69	1/2	4,334.70	1/2	3,991.35	1/2	3,648.01	1/2	3,304.66	1/2	2,961.32	1/2	2,617.98	1/2	2,274.63	1/2	1,931.29			
3/4	3/4	4,669.59	3/4	4,327.55	3/4	3,984.20	3/4	3,640.85	3/4	3,297.51	3/4	2,954.16	3/4	2,610.82	3/4	2,267.47	3/4	1,924.13			
8		8	4,662.48	8	4,320.39	8	3,977.04	8	3,633.70	8	3,290.35	8	2,947.01	8	2,603.67	8	2,260.32	8	1,916.98		
1/4	1/4	4,907.56	1/4	4,655.38	1/4	4,313.24	1/4	3,969.89	1/4	3,626.55	1/4	3,283.20	1/4	2,939.86	1/4	2,596.52	1/4	2,253.17	1/4	1,909.83	
1/2	1/2	4,906.70	1/2	4,648.28	1/2	4,306.09	1/2	3,962.74	1/2	3,619.40	1/2	3,276.05	1/2	2,932.71	1/2	2,589.36	1/2	2,246.02	1/2	1,902.68	
3/4	3/4	4,905.85	3/4	4,641.18	3/4	4,298.93	3/4	3,955.59	3/4	3,612.24	3/4	3,268.89	3/4	2,925.55	3/4	2,582.21	3/4	2,238.86	3/4	1,895.52	
9		9	4,904.99	9	4,634.07	9	4,291.78	9	3,948.43	9	3,605.09	9	3,261.74	9	2,918.40	9	2,575.05	9	2,231.71	9	1,888.37
1/4	1/4	4,904.13	1/4	4,626.97	1/4	4,284.62	1/4	3,941.28	1/4	3,597.94	1/4	3,254.59	1/4	2,911.25	1/4	2,567.90	1/4	2,224.56	1/4	1,881.22	
1/2	1/2	4,902.28	1/2	4,619.87	1/2	4,277.47	1/2	3,934.13	1/2	3,590.78	1/2	3,247.44	1/2	2,904.10	1/2	2,560.75	1/2	2,217.41	1/2	1,874.06	
3/4	3/4	4,900.43	3/4	4,612.77	3/4	4,270.32	3/4	3,926.98	3/4	3,583.63	3/4	3,240.28	3/4	2,896.94	3/4	2,553.59	3/4	2,210.25	3/4	1,866.91	
10		10	4,898.57	10	4,605.66	10	4,263.16	10	3,919.82	10	3,576.47	10	3,233.13	10	2,889.79	10	2,546.44	10	2,203.10	10	1,859.75
1/4	1/4	4,896.72	1/4	4,598.56	1/4	4,256.01	1/4	3,912.67	1/4	3,569.32	1/4	3,225.98	1/4	2,882.64	1/4	2,539.29	1/4	2,195.95	1/4	1,852.60	
1/2	1/2	4,893.81	1/2	4,591.46	1/2	4,248.86	1/2	3,905.52	1/2	3,562.17	1/2	3,218.83	1/2	2,875.48	1/2	2,532.14	1/2	2,188.80	1/2	1,845.45	
3/4	3/4	4,890.90	3/4	4,584.35	3/4	4,241.71	3/4	3,898.37	3/4	3,555.01	3/4	3,211.67	3/4	2,868.33	3/4	2,524.98	3/4	2,181.64	3/4	1,838.29	
11		11	4,887.98	11	4,577.25	11	4,234.55	11	3,891.21	11	3,547.86	11	3,204.52	11	2,861.17	11	2,517.83	11	2,174.49	11	1,831.14
1/4	1/4	4,885.07	1/4	4,570.14	1/4	4,227.40	1/4	3,884.06	1/4	3,540.71	1/4	3,197.37	1/4	2,854.02	1/4	2,510.68	1/4	2,167.34	1/4	1,823.99	
1/2	1/2	4,881.10	1/2	4,563.04	1/2	4,220.25	1/2	3,876.90	1/2	3,533.56	1/2	3,190.22	1/2	2,846.87	1/2	2,503.53	1/2	2,160.18	1/2	1,816.82	
3/4	3/4	4,877.13	3/4	4,555.94	3/4	4,213.10	3/4	3,869.75	3/4	3,526.40	3/4	3,183.06	3/4	2,839.71	3/4	2,496.37	3/4	2,153.03	3/4	1,809.64	

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 10-09" OFF CENTERLINE AND 44-00" FORWARD OF AFT BULKHEAD.

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



BARGE "NGL 3004"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,802.47	0	1,459.19	0	1,115.84	0	772.50	0	429.15	0	85.81	0		0		0		0	
1/4	1,795.30	1/4	1,452.04	1/4	1,108.69	1/4	765.35	1/4	422.00	1/4	78.66	1/4		1/4		1/4		1/4	
1/2	1,788.17	1/2	1,444.88	1/2	1,101.54	1/2	758.20	1/2	414.85	1/2	71.51	1/2		1/2		1/2		1/2	
3/4	1,781.03	3/4	1,437.73	3/4	1,094.38	3/4	751.04	3/4	407.69	3/4	64.35	3/4		3/4		3/4		3/4	
1	1,773.90	1	1,430.57	1	1,087.23	1	743.89	1	400.54	1	57.20	1		1		1		1	
1/4	1,766.77	1/4	1,423.42	1/4	1,080.08	1/4	736.74	1/4	393.39	1/4	50.05	1/4		1/4		1/4		1/4	
1/2	1,759.62	1/2	1,416.27	1/2	1,072.93	1/2	729.58	1/2	386.24	1/2	44.17	1/2		1/2		1/2		1/2	
3/4	1,752.46	3/4	1,409.11	3/4	1,065.77	3/4	722.43	3/4	379.08	3/4	38.30	3/4		3/4		3/4		3/4	
2	1,745.31	2	1,401.96	2	1,058.62	2	715.27	2	371.93	2	32.42	2		2		2		2	
1/4	1,738.16	1/4	1,394.81	1/4	1,051.47	1/4	708.12	1/4	364.78	1/4	26.55	1/4		1/4		1/4		1/4	
1/2	1,731.00	1/2	1,387.66	1/2	1,044.32	1/2	700.97	1/2	357.63	1/2		1/2		1/2		1/2		1/2	
3/4	1,723.85	3/4	1,380.50	3/4	1,037.16	3/4	693.81	3/4	350.47	3/4		3/4		3/4		3/4		3/4	
3	1,716.69	3	1,373.35	3	1,030.01	3	686.66	3	343.32	3		3		3		3		3	
1/4	1,709.54	1/4	1,366.20	1/4	1,022.86	1/4	679.51	1/4	336.17	1/4		1/4		1/4		1/4		1/4	
1/2	1,702.39	1/2	1,359.05	1/2	1,015.70	1/2	672.36	1/2	329.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,695.23	3/4	1,351.89	3/4	1,008.55	3/4	665.20	3/4	321.86	3/4		3/4		3/4		3/4		3/4	
4	1,688.08	4	1,344.74	4	1,001.39	4	658.05	4	314.71	4		4		4		4		4	
1/4	1,680.93	1/4	1,337.59	1/4	994.24	1/4	650.90	1/4	307.56	1/4		1/4		1/4		1/4		1/4	
1/2	1,673.78	1/2	1,330.44	1/2	987.09	1/2	643.75	1/2	300.40	1/2		1/2		1/2		1/2		1/2	
3/4	1,666.62	3/4	1,323.28	3/4	979.93	3/4	636.59	3/4	293.25	3/4		3/4		3/4		3/4		3/4	
5	1,659.47	5	1,316.13	5	972.78	5	629.44	5	286.09	5		5		5		5		5	
1/4	1,652.32	1/4	1,308.98	1/4	965.63	1/4	622.29	1/4	278.94	1/4		1/4		1/4		1/4		1/4	
1/2	1,645.17	1/2	1,301.82	1/2	958.48	1/2	615.14	1/2	271.79	1/2		1/2		1/2		1/2		1/2	
3/4	1,638.01	3/4	1,294.67	3/4	951.32	3/4	607.98	3/4	264.63	3/4		3/4		3/4		3/4		3/4	
6	1,630.86	6	1,287.51	6	944.17	6	600.83	6	257.48	6		6		6		6		6	
1/4	1,623.71	1/4	1,280.36	1/4	937.02	1/4	593.68	1/4	250.33	1/4		1/4		1/4		1/4		1/4	
1/2	1,616.56	1/2	1,273.21	1/2	929.87	1/2	586.52	1/2	243.18	1/2		1/2		1/2		1/2		1/2	
3/4	1,609.40	3/4	1,266.05	3/4	922.71	3/4	579.37	3/4	236.02	3/4		3/4		3/4		3/4		3/4	
7	1,602.25	7	1,258.90	7	915.56	7	572.21	7	228.87	7		7		7		7		7	
1/4	1,595.10	1/4	1,251.75	1/4	908.41	1/4	565.06	1/4	221.72	1/4		1/4		1/4		1/4		1/4	
1/2	1,587.94	1/2	1,244.60	1/2	901.26	1/2	557.91	1/2	214.57	1/2		1/2		1/2		1/2		1/2	
3/4	1,580.79	3/4	1,237.44	3/4	894.10	3/4	550.75	3/4	207.41	3/4		3/4		3/4		3/4		3/4	
8	1,573.63	8	1,230.29	8	886.95	8	543.60	8	200.26	8		8		8		8		8	
1/4	1,566.48	1/4	1,223.14	1/4	879.80	1/4	536.45	1/4	193.11	1/4		1/4		1/4		1/4		1/4	
1/2	1,559.33	1/2	1,215.99	1/2	872.64	1/2	529.30	1/2	185.96	1/2		1/2		1/2		1/2		1/2	
3/4	1,552.17	3/4	1,208.83	3/4	865.49	3/4	522.14	3/4	178.80	3/4		3/4		3/4		3/4		3/4	
9	1,545.02	9	1,201.68	9	858.33	9	514.99	9	171.65	9		9		9		9		9	
1/4	1,537.87	1/4	1,194.53	1/4	851.18	1/4	507.84	1/4	164.50	1/4		1/4		1/4		1/4		1/4	
1/2	1,530.72	1/2	1,187.38	1/2	844.03	1/2	500.69	1/2	157.34	1/2		1/2		1/2		1/2		1/2	
3/4	1,523.56	3/4	1,180.22	3/4	836.87	3/4	493.53	3/4	150.19	3/4		3/4		3/4		3/4		3/4	
10	1,516.41	10	1,173.07	10	829.72	10	486.38	10	143.03	10		10		10		10		10	
1/4	1,509.26	1/4	1,165.92	1/4	822.57	1/4	479.23	1/4	135.88	1/4		1/4		1/4		1/4		1/4	
1/2	1,502.11	1/2	1,158.76	1/2	815.42	1/2	472.08	1/2	128.73	1/2		1/2		1/2		1/2		1/2	
3/4	1,494.95	3/4	1,151.61	3/4	808.26	3/4	464.92	3/4	121.57	3/4		3/4		3/4		3/4		3/4	
11	1,487.80	11	1,144.45	11	801.11	11	457.77	11	114.42	11		11		11		11		11	
1/4	1,480.65	1/4	1,137.30	1/4	793.96	1/4	450.62	1/4	107.27	1/4		1/4		1/4		1/4		1/4	
1/2	1,473.50	1/2	1,130.15	1/2	786.81	1/2	443.46	1/2	100.12	1/2		1/2		1/2		1/2		1/2	
3/4	1,466.34	3/4	1,122.99	3/4	779.65	3/4	436.31	3/4	92.96	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/18/1998
DECK MEASUREMENTS: 05/11/2016 SW
PRINTED: 05/11/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2016

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



BARGE "NGL 3004"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0		0	4,873.16	0	4,548.83	0	4,205.94	0	3,862.59	0	3,519.25	0	3,175.91	0	2,832.56	0	2,489.22	0	2,145.87		
1/4	1/4	4,869.19	1/4	4,541.73	1/4	4,198.79	1/4	3,855.44	1/4	3,512.10	1/4	3,168.76	1/4	2,825.41	1/4	2,482.07	1/4	2,138.72			
1/2	1/2	4,864.16	1/2	4,534.63	1/2	4,191.64	1/2	3,848.29	1/2	3,504.95	1/2	3,161.60	1/2	2,818.26	1/2	2,474.92	1/2	2,131.57			
3/4	3/4	4,859.13	3/4	4,527.53	3/4	4,184.49	3/4	3,841.13	3/4	3,497.79	3/4	3,154.45	3/4	2,811.10	3/4	2,467.76	3/4	2,124.41			
1		1	4,854.09	1	4,520.42	1	4,177.33	1	3,833.98	1	3,490.64	1	3,147.29	1	2,803.95	1	2,460.61	1	2,117.26		
1/4	1/4	4,849.06	1/4	4,513.32	1/4	4,170.18	1/4	3,826.83	1/4	3,483.49	1/4	3,140.14	1/4	2,796.80	1/4	2,453.46	1/4	2,110.11			
1/2	1/2	4,842.99	1/2	4,506.22	1/2	4,163.03	1/2	3,819.68	1/2	3,476.34	1/2	3,132.99	1/2	2,789.65	1/2	2,446.30	1/2	2,102.96			
3/4	3/4	4,836.93	3/4	4,499.12	3/4	4,155.87	3/4	3,812.52	3/4	3,469.18	3/4	3,125.83	3/4	2,782.49	3/4	2,439.15	3/4	2,095.80			
2		2	4,830.86	2	4,492.01	2	4,148.72	2	3,805.37	2	3,462.03	2	3,118.68	2	2,775.34	2	2,431.99	2	2,088.65		
1/4	1/4	4,824.79	1/4	4,484.91	1/4	4,141.56	1/4	3,798.22	1/4	3,454.88	1/4	3,111.53	1/4	2,768.19	1/4	2,424.84	1/4	2,081.50			
1/2	1/2	4,817.95	1/2	4,477.76	1/2	4,134.41	1/2	3,791.07	1/2	3,447.72	1/2	3,104.38	1/2	2,761.04	1/2	2,417.69	1/2	2,074.35			
3/4	3/4	4,811.12	3/4	4,470.61	3/4	4,127.26	3/4	3,783.91	3/4	3,440.57	3/4	3,097.22	3/4	2,753.88	3/4	2,410.53	3/4	2,067.19			
3		3	4,804.28	3	4,463.45	3	4,120.10	3	3,776.76	3	3,433.41	3	3,090.07	3	2,746.73	3	2,403.38	3	2,060.04		
1/4	1/4	4,797.44	1/4	4,456.30	1/4	4,112.95	1/4	3,769.61	1/4	3,426.26	1/4	3,082.92	1/4	2,739.58	1/4	2,396.23	1/4	2,052.89			
1/2	1/2	4,790.34	1/2	4,449.15	1/2	4,105.80	1/2	3,762.46	1/2	3,419.11	1/2	3,075.77	1/2	2,732.42	1/2	2,389.08	1/2	2,045.74			
3/4	3/4	4,783.24	3/4	4,441.99	3/4	4,098.65	3/4	3,755.30	3/4	3,411.95	3/4	3,068.61	3/4	2,725.27	3/4	2,381.92	3/4	2,038.58			
4		4	4,776.13	4	4,434.84	4	4,091.49	4	3,748.15	4	3,404.80	4	3,061.46	4	2,718.11	4	2,374.77	4	2,031.43		
1/4	1/4	4,769.03	1/4	4,427.68	1/4	4,084.34	1/4	3,741.00	1/4	3,397.65	1/4	3,054.31	1/4	2,710.96	1/4	2,367.62	1/4	2,024.28			
1/2	1/2	4,761.93	1/2	4,420.53	1/2	4,077.19	1/2	3,733.84	1/2	3,390.50	1/2	3,047.16	1/2	2,703.81	1/2	2,360.47	1/2	2,017.12			
3/4	3/4	4,754.83	3/4	4,413.38	3/4	4,070.04	3/4	3,726.69	3/4	3,383.34	3/4	3,040.00	3/4	2,696.65	3/4	2,353.31	3/4	2,009.97			
5		5	4,747.72	5	4,406.22	5	4,062.88	5	3,719.53	5	3,376.19	5	3,032.85	5	2,689.50	5	2,346.16	5	2,002.81		
1/4	1/4	4,740.62	1/4	4,399.07	1/4	4,055.73	1/4	3,712.38	1/4	3,369.04	1/4	3,025.70	1/4	2,682.35	1/4	2,339.01	1/4	1,995.66			
1/2	1/2	4,733.52	1/2	4,391.92	1/2	4,048.58	1/2	3,705.23	1/2	3,361.89	1/2	3,018.54	1/2	2,675.20	1/2	2,331.86	1/2	1,988.51			
3/4	3/4	4,726.41	3/4	4,384.77	3/4	4,041.43	3/4	3,698.07	3/4	3,354.73	3/4	3,011.39	3/4	2,668.04	3/4	2,324.70	3/4	1,981.35			
6		6	4,719.31	6	4,377.61	6	4,034.27	6	3,690.92	6	3,347.58	6	3,004.23	6	2,660.89	6	2,317.55	6	1,974.20		
1/4	1/4	4,712.20	1/4	4,370.46	1/4	4,027.12	1/4	3,683.77	1/4	3,340.43	1/4	2,997.08	1/4	2,653.74	1/4	2,310.40	1/4	1,967.05			
1/2	1/2	4,705.10	1/2	4,363.31	1/2	4,019.97	1/2	3,676.62	1/2	3,333.28	1/2	2,989.93	1/2	2,646.59	1/2	2,303.24	1/2	1,959.90			
3/4	3/4	4,698.00	3/4	4,356.16	3/4	4,012.81	3/4	3,669.46	3/4	3,326.12	3/4	2,982.77	3/4	2,639.43	3/4	2,296.09	3/4	1,952.74			
7		7	4,690.89	7	4,349.00	7	4,005.66	7	3,662.31	7	3,318.97	7	2,975.62	7	2,632.28	7	2,288.93	7	1,945.59		
1/4	1/4	4,683.79	1/4	4,341.85	1/4	3,998.50	1/4	3,655.16	1/4	3,311.82	1/4	2,968.47	1/4	2,625.13	1/4	2,281.78	1/4	1,938.44			
1/2	1/2	4,676.69	1/2	4,334.70	1/2	3,991.35	1/2	3,648.01	1/2	3,304.66	1/2	2,961.32	1/2	2,617.98	1/2	2,274.63	1/2	1,931.29			
3/4	3/4	4,669.59	3/4	4,327.55	3/4	3,984.20	3/4	3,640.85	3/4	3,297.51	3/4	2,954.16	3/4	2,610.82	3/4	2,267.47	3/4	1,924.13			
8		8	4,662.48	8	4,320.39	8	3,977.04	8	3,633.70	8	3,290.35	8	2,947.01	8	2,603.67	8	2,260.32	8	1,916.98		
1/4	1/4	4,907.56	1/4	4,655.38	1/4	4,313.24	1/4	3,969.89	1/4	3,626.55	1/4	3,283.20	1/4	2,939.86	1/4	2,596.52	1/4	2,253.17	1/4	1,909.83	
1/2	1/2	4,906.70	1/2	4,648.28	1/2	4,306.09	1/2	3,962.74	1/2	3,619.40	1/2	3,276.05	1/2	2,932.71	1/2	2,589.36	1/2	2,246.02	1/2	1,902.68	
3/4	3/4	4,905.85	3/4	4,641.18	3/4	4,298.93	3/4	3,955.59	3/4	3,612.24	3/4	3,268.89	3/4	2,925.55	3/4	2,582.21	3/4	2,238.86	3/4	1,895.52	
9		9	4,904.99	9	4,634.07	9	4,291.78	9	3,948.43	9	3,605.09	9	3,261.74	9	2,918.40	9	2,575.05	9	2,231.71	9	1,888.37
1/4	1/4	4,904.13	1/4	4,626.97	1/4	4,284.62	1/4	3,941.28	1/4	3,597.94	1/4	3,254.59	1/4	2,911.25	1/4	2,567.90	1/4	2,224.56	1/4	1,881.22	
1/2	1/2	4,902.28	1/2	4,619.87	1/2	4,277.47	1/2	3,934.13	1/2	3,590.78	1/2	3,247.44	1/2	2,904.10	1/2	2,560.75	1/2	2,217.41	1/2	1,874.06	
3/4	3/4	4,900.43	3/4	4,612.77	3/4	4,270.32	3/4	3,926.98	3/4	3,583.63	3/4	3,240.28	3/4	2,896.94	3/4	2,553.59	3/4	2,210.25	3/4	1,866.91	
10		10	4,898.57	10	4,605.66	10	4,263.16	10	3,919.82	10	3,576.47	10	3,233.13	10	2,889.79	10	2,546.44	10	2,203.10	10	1,859.75
1/4	1/4	4,896.72	1/4	4,598.56	1/4	4,256.01	1/4	3,912.67	1/4	3,569.32	1/4	3,225.98	1/4	2,882.64	1/4	2,539.29	1/4	2,195.95	1/4	1,852.60	
1/2	1/2	4,893.81	1/2	4,591.46	1/2	4,248.86	1/2	3,905.52	1/2	3,562.17	1/2	3,218.83	1/2	2,875.48	1/2	2,532.14	1/2	2,188.80	1/2	1,845.45	
3/4	3/4	4,890.90	3/4	4,584.35	3/4	4,241.71	3/4	3,898.37	3/4	3,555.01	3/4	3,211.67	3/4	2,868.33	3/4	2,524.98	3/4	2,181.64	3/4	1,838.29	
11		11	4,887.98	11	4,577.25	11	4,234.55	11	3,891.21	11	3,547.86	11	3,204.52	11	2,861.17	11	2,517.83	11	2,174.49	11	1,831.14
1/4	1/4	4,885.07	1/4	4,570.14	1/4	4,227.40	1/4	3,884.06	1/4	3,540.71	1/4	3,197.37	1/4	2,854.02	1/4	2,510.68	1/4	2,167.34	1/4	1,823.99	
1/2	1/2	4,881.10	1/2	4,563.04	1/2	4,220.25	1/2	3,876.90	1/2	3,533.56	1/2	3,190.22	1/2	2,846.87	1/2	2,503.53	1/2	2,160.18	1/2	1,816.82	
3/4	3/4	4,877.13	3/4	4,555.94	3/4	4,213.10	3/4	3,869.75	3/4	3,526.40	3/4	3,183.06	3/4	2,839.71	3/4	2,496.37	3/4	2,153.03	3/4	1,809.64	

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 10-09" OFF CENTERLINE AND 44-00" FORWARD OF AFT BULKHEAD.

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



BARGE "NGL 3004"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,802.47	0	1,459.19	0	1,115.84	0	772.50	0	429.15	0	85.81	0		0		0		0	
1/4	1,795.30	1/4	1,452.04	1/4	1,108.69	1/4	765.35	1/4	422.00	1/4	78.66	1/4		1/4		1/4		1/4	
1/2	1,788.17	1/2	1,444.88	1/2	1,101.54	1/2	758.20	1/2	414.85	1/2	71.51	1/2		1/2		1/2		1/2	
3/4	1,781.03	3/4	1,437.73	3/4	1,094.38	3/4	751.04	3/4	407.69	3/4	64.35	3/4		3/4		3/4		3/4	
1	1,773.90	1	1,430.57	1	1,087.23	1	743.89	1	400.54	1	57.20	1		1		1		1	
1/4	1,766.77	1/4	1,423.42	1/4	1,080.08	1/4	736.74	1/4	393.39	1/4	50.05	1/4		1/4		1/4		1/4	
1/2	1,759.62	1/2	1,416.27	1/2	1,072.93	1/2	729.58	1/2	386.24	1/2	44.17	1/2		1/2		1/2		1/2	
3/4	1,752.46	3/4	1,409.11	3/4	1,065.77	3/4	722.43	3/4	379.08	3/4	38.30	3/4		3/4		3/4		3/4	
2	1,745.31	2	1,401.96	2	1,058.62	2	715.27	2	371.93	2	32.42	2		2		2		2	
1/4	1,738.16	1/4	1,394.81	1/4	1,051.47	1/4	708.12	1/4	364.78	1/4	26.55	1/4		1/4		1/4		1/4	
1/2	1,731.00	1/2	1,387.66	1/2	1,044.32	1/2	700.97	1/2	357.63	1/2		1/2		1/2		1/2		1/2	
3/4	1,723.85	3/4	1,380.50	3/4	1,037.16	3/4	693.81	3/4	350.47	3/4		3/4		3/4		3/4		3/4	
3	1,716.69	3	1,373.35	3	1,030.01	3	686.66	3	343.32	3		3		3		3		3	
1/4	1,709.54	1/4	1,366.20	1/4	1,022.86	1/4	679.51	1/4	336.17	1/4		1/4		1/4		1/4		1/4	
1/2	1,702.39	1/2	1,359.05	1/2	1,015.70	1/2	672.36	1/2	329.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,695.23	3/4	1,351.89	3/4	1,008.55	3/4	665.20	3/4	321.86	3/4		3/4		3/4		3/4		3/4	
4	1,688.08	4	1,344.74	4	1,001.39	4	658.05	4	314.71	4		4		4		4		4	
1/4	1,680.93	1/4	1,337.59	1/4	994.24	1/4	650.90	1/4	307.56	1/4		1/4		1/4		1/4		1/4	
1/2	1,673.78	1/2	1,330.44	1/2	987.09	1/2	643.75	1/2	300.40	1/2		1/2		1/2		1/2		1/2	
3/4	1,666.62	3/4	1,323.28	3/4	979.93	3/4	636.59	3/4	293.25	3/4		3/4		3/4		3/4		3/4	
5	1,659.47	5	1,316.13	5	972.78	5	629.44	5	286.09	5		5		5		5		5	
1/4	1,652.32	1/4	1,308.98	1/4	965.63	1/4	622.29	1/4	278.94	1/4		1/4		1/4		1/4		1/4	
1/2	1,645.17	1/2	1,301.82	1/2	958.48	1/2	615.14	1/2	271.79	1/2		1/2		1/2		1/2		1/2	
3/4	1,638.01	3/4	1,294.67	3/4	951.32	3/4	607.98	3/4	264.63	3/4		3/4		3/4		3/4		3/4	
6	1,630.86	6	1,287.51	6	944.17	6	600.83	6	257.48	6		6		6		6		6	
1/4	1,623.71	1/4	1,280.36	1/4	937.02	1/4	593.68	1/4	250.33	1/4		1/4		1/4		1/4		1/4	
1/2	1,616.56	1/2	1,273.21	1/2	929.87	1/2	586.52	1/2	243.18	1/2		1/2		1/2		1/2		1/2	
3/4	1,609.40	3/4	1,266.05	3/4	922.71	3/4	579.37	3/4	236.02	3/4		3/4		3/4		3/4		3/4	
7	1,602.25	7	1,258.90	7	915.56	7	572.21	7	228.87	7		7		7		7		7	
1/4	1,595.10	1/4	1,251.75	1/4	908.41	1/4	565.06	1/4	221.72	1/4		1/4		1/4		1/4		1/4	
1/2	1,587.94	1/2	1,244.60	1/2	901.26	1/2	557.91	1/2	214.57	1/2		1/2		1/2		1/2		1/2	
3/4	1,580.79	3/4	1,237.44	3/4	894.10	3/4	550.75	3/4	207.41	3/4		3/4		3/4		3/4		3/4	
8	1,573.63	8	1,230.29	8	886.95	8	543.60	8	200.26	8		8		8		8		8	
1/4	1,566.48	1/4	1,223.14	1/4	879.80	1/4	536.45	1/4	193.11	1/4		1/4		1/4		1/4		1/4	
1/2	1,559.33	1/2	1,215.99	1/2	872.64	1/2	529.30	1/2	185.96	1/2		1/2		1/2		1/2		1/2	
3/4	1,552.17	3/4	1,208.83	3/4	865.49	3/4	522.14	3/4	178.80	3/4		3/4		3/4		3/4		3/4	
9	1,545.02	9	1,201.68	9	858.33	9	514.99	9	171.65	9		9		9		9		9	
1/4	1,537.87	1/4	1,194.53	1/4	851.18	1/4	507.84	1/4	164.50	1/4		1/4		1/4		1/4		1/4	
1/2	1,530.72	1/2	1,187.38	1/2	844.03	1/2	500.69	1/2	157.34	1/2		1/2		1/2		1/2		1/2	
3/4	1,523.56	3/4	1,180.22	3/4	836.87	3/4	493.53	3/4	150.19	3/4		3/4		3/4		3/4		3/4	
10	1,516.41	10	1,173.07	10	829.72	10	486.38	10	143.03	10		10		10		10		10	
1/4	1,509.26	1/4	1,165.92	1/4	822.57	1/4	479.23	1/4	135.88	1/4		1/4		1/4		1/4		1/4	
1/2	1,502.11	1/2	1,158.76	1/2	815.42	1/2	472.08	1/2	128.73	1/2		1/2		1/2		1/2		1/2	
3/4	1,494.95	3/4	1,151.61	3/4	808.26	3/4	464.92	3/4	121.57	3/4		3/4		3/4		3/4		3/4	
11	1,487.80	11	1,144.45	11	801.11	11	457.77	11	114.42	11		11		11		11		11	
1/4	1,480.65	1/4	1,137.30	1/4	793.96	1/4	450.62	1/4	107.27	1/4		1/4		1/4		1/4		1/4	
1/2	1,473.50	1/2	1,130.15	1/2	786.81	1/2	443.46	1/2	100.12	1/2		1/2		1/2		1/2		1/2	
3/4	1,466.34	3/4	1,122.99	3/4	779.65	3/4	436.31	3/4	92.96	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/18/1998
DECK MEASUREMENTS: 05/11/2016 SW
PRINTED: 05/11/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2016

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



BARGE "NGL 3004"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	4,676.78	0	4,436.26	0	4,183.63	0	3,931.01	0	3,678.39	0	3,366.42	0	3,002.25	0	2,638.07	0	2,273.90
1/4		1/4	4,673.47	1/4	4,431.00	1/4	4,178.37	1/4	3,925.75	1/4	3,673.12	1/4	3,358.84	1/4	2,994.67	1/4	2,630.49	1/4	2,266.31
1/2		1/2	4,670.16	1/2	4,425.73	1/2	4,173.10	1/2	3,920.48	1/2	3,667.86	1/2	3,351.25	1/2	2,987.08	1/2	2,622.90	1/2	2,258.73
3/4		3/4	4,666.85	3/4	4,420.47	3/4	4,167.84	3/4	3,915.22	3/4	3,662.59	3/4	3,343.66	3/4	2,979.49	3/4	2,615.31	3/4	2,251.14
1		1	4,662.76	1	4,415.21	1	4,162.58	1	3,909.96	1	3,657.33	1	3,336.08	1	2,971.90	1	2,607.72	1	2,243.55
1/4		1/4	4,658.67	1/4	4,409.94	1/4	4,157.32	1/4	3,904.70	1/4	3,652.07	1/4	3,328.49	1/4	2,964.32	1/4	2,600.14	1/4	2,235.97
1/2		1/2	4,654.57	1/2	4,404.68	1/2	4,152.05	1/2	3,899.43	1/2	3,646.80	1/2	3,320.91	1/2	2,956.73	1/2	2,592.55	1/2	2,228.38
3/4		3/4	4,650.48	3/4	4,399.41	3/4	4,146.79	3/4	3,894.17	3/4	3,641.54	3/4	3,313.32	3/4	2,949.14	3/4	2,584.96	3/4	2,220.79
2		2	4,645.61	2	4,394.15	2	4,141.53	2	3,888.91	2	3,636.21	2	3,305.73	2	2,941.55	2	2,577.38	2	2,213.20
1/4		1/4	4,640.74	1/4	4,388.89	1/4	4,136.27	1/4	3,883.64	1/4	3,630.89	1/4	3,298.15	1/4	2,933.97	1/4	2,569.79	1/4	2,205.62
1/2		1/2	4,635.86	1/2	4,383.62	1/2	4,131.00	1/2	3,878.38	1/2	3,625.56	1/2	3,290.56	1/2	2,926.38	1/2	2,562.21	1/2	2,198.03
3/4		3/4	4,630.99	3/4	4,378.36	3/4	4,125.74	3/4	3,873.11	3/4	3,620.23	3/4	3,282.97	3/4	2,918.79	3/4	2,554.62	3/4	2,190.44
3		3	4,625.73	3	4,373.10	3	4,120.48	3	3,867.85	3	3,614.61	3	3,275.38	3	2,911.20	3	2,547.03	3	2,182.85
1/4		1/4	4,620.46	1/4	4,367.84	1/4	4,115.22	1/4	3,862.59	1/4	3,608.99	1/4	3,267.80	1/4	2,903.62	1/4	2,539.45	1/4	2,175.27
1/2		1/2	4,615.20	1/2	4,362.57	1/2	4,109.95	1/2	3,857.32	1/2	3,603.37	1/2	3,260.21	1/2	2,896.03	1/2	2,531.86	1/2	2,167.68
3/4		3/4	4,609.93	3/4	4,357.31	3/4	4,104.69	3/4	3,852.06	3/4	3,597.75	3/4	3,252.62	3/4	2,888.44	3/4	2,524.27	3/4	2,160.09
4		4	4,604.67	4	4,352.05	4	4,099.43	4	3,846.80	4	3,591.80	4	3,245.03	4	2,880.86	4	2,516.68	4	2,152.50
1/4		1/4	4,599.41	1/4	4,346.79	1/4	4,094.16	1/4	3,841.54	1/4	3,585.85	1/4	3,237.45	1/4	2,873.27	1/4	2,509.10	1/4	2,144.92
1/2		1/2	4,594.14	1/2	4,341.52	1/2	4,088.90	1/2	3,836.27	1/2	3,579.89	1/2	3,229.86	1/2	2,865.69	1/2	2,501.51	1/2	2,137.33
3/4		3/4	4,588.88	3/4	4,336.26	3/4	4,083.63	3/4	3,831.01	3/4	3,573.94	3/4	3,222.27	3/4	2,858.10	3/4	2,493.92	3/4	2,129.74
5		5	4,583.62	5	4,331.00	5	4,078.37	5	3,825.75	5	3,567.64	5	3,214.68	5	2,850.51	5	2,486.33	5	2,122.16
1/4		1/4	4,578.36	1/4	4,325.74	1/4	4,073.11	1/4	3,820.49	1/4	3,561.35	1/4	3,207.10	1/4	2,842.93	1/4	2,478.75	1/4	2,114.57
1/2		1/2	4,573.09	1/2	4,320.47	1/2	4,067.84	1/2	3,815.22	1/2	3,555.05	1/2	3,199.51	1/2	2,835.34	1/2	2,471.16	1/2	2,106.99
3/4		3/4	4,567.83	3/4	4,315.21	3/4	4,062.58	3/4	3,809.96	3/4	3,548.75	3/4	3,191.92	3/4	2,827.75	3/4	2,463.57	3/4	2,099.40
6		6	4,562.57	6	4,309.95	6	4,057.32	6	3,804.70	6	3,542.11	6	3,184.34	6	2,820.16	6	2,455.98	6	2,091.81
1/4		1/4	4,557.31	1/4	4,304.68	1/4	4,052.06	1/4	3,799.44	1/4	3,535.46	1/4	3,176.75	1/4	2,812.58	1/4	2,448.40	1/4	2,084.23
1/2		1/2	4,552.04	1/2	4,299.42	1/2	4,046.79	1/2	3,794.17	1/2	3,528.82	1/2	3,169.17	1/2	2,804.99	1/2	2,440.81	1/2	2,076.64
3/4		3/4	4,546.78	3/4	4,294.15	3/4	4,041.53	3/4	3,788.91	3/4	3,522.17	3/4	3,161.58	3/4	2,797.40	3/4	2,433.22	3/4	2,069.05
7		7	4,541.52	7	4,288.89	7	4,036.27	7	3,783.65	7	3,515.18	7	3,153.99	7	2,789.81	7	2,425.64	7	2,061.46
1/4		1/4	4,536.26	1/4	4,283.63	1/4	4,031.01	1/4	3,778.38	1/4	3,508.20	1/4	3,146.41	1/4	2,782.23	1/4	2,418.05	1/4	2,053.88
1/2		1/2	4,530.99	1/2	4,278.36	1/2	4,025.74	1/2	3,773.12	1/2	3,501.21	1/2	3,138.82	1/2	2,774.64	1/2	2,410.47	1/2	2,046.29
3/4		3/4	4,525.73	3/4	4,273.10	3/4	4,020.48	3/4	3,767.85	3/4	3,494.22	3/4	3,131.23	3/4	2,767.05	3/4	2,402.88	3/4	2,038.70
8	4,701.98	8	4,520.47	8	4,267.84	8	4,015.22	8	3,762.59	8	3,486.89	8	3,123.64	8	2,759.46	8	2,395.29	8	2,031.11
1/4	4,701.69	1/4	4,515.20	1/4	4,262.58	1/4	4,009.96	1/4	3,757.33	1/4	3,479.56	1/4	3,116.06	1/4	2,751.88	1/4	2,387.71	1/4	2,023.53
1/2	4,701.40	1/2	4,509.94	1/2	4,257.31	1/2	4,004.69	1/2	3,752.06	1/2	3,472.22	1/2	3,108.47	1/2	2,744.29	1/2	2,380.12	1/2	2,015.94
3/4	4,701.11	3/4	4,504.67	3/4	4,252.05	3/4	3,999.43	3/4	3,746.80	3/4	3,464.89	3/4	3,100.88	3/4	2,736.70	3/4	2,372.53	3/4	2,008.35
9	4,700.14	9	4,499.41	9	4,246.79	9	3,994.17	9	3,741.54	9	3,457.35	9	3,093.29	9	2,729.12	9	2,364.94	9	2,000.76
1/4	4,699.17	1/4	4,494.15	1/4	4,241.53	1/4	3,988.90	1/4	3,736.28	1/4	3,449.80	1/4	3,085.71	1/4	2,721.53	1/4	2,357.36	1/4	1,993.18
1/2	4,698.20	1/2	4,488.88	1/2	4,236.26	1/2	3,983.64	1/2	3,731.01	1/2	3,442.26	1/2	3,078.12	1/2	2,713.95	1/2	2,349.77	1/2	1,985.59
3/4	4,697.23	3/4	4,483.62	3/4	4,231.00	3/4	3,978.37	3/4	3,725.75	3/4	3,434.71	3/4	3,070.53	3/4	2,706.36	3/4	2,342.18	3/4	1,978.00
10	4,695.48	10	4,478.36	10	4,225.74	10	3,973.11	10	3,720.49	10	3,427.12	10	3,062.94	10	2,698.77	10	2,334.59	10	1,970.42
1/4	4,693.73	1/4	4,473.10	1/4	4,220.48	1/4	3,967.85	1/4	3,715.23	1/4	3,419.54	1/4	3,055.36	1/4	2,691.19	1/4	2,327.01	1/4	1,962.83
1/2	4,691.97	1/2	4,467.83	1/2	4,215.21	1/2	3,962.58	1/2	3,709.96	1/2	3,411.95	1/2	3,047.77	1/2	2,683.60	1/2	2,319.42	1/2	1,955.25
3/4	4,690.22	3/4	4,462.57	3/4	4,209.95	3/4	3,957.32	3/4	3,704.70	3/4	3,404.36	3/4	3,040.18	3/4	2,676.01	3/4	2,311.83	3/4	1,947.66
11	4,687.69	11	4,457.31	11	4,204.69	11	3,952.06	11	3,699.44	11	3,396.77	11	3,032.60	11	2,668.42	11	2,304.24	11	1,940.07
1/4	4,685.16	1/4	4,452.05	1/4	4,199.42	1/4	3,946.80	1/4	3,694.18	1/4	3,389.19	1/4	3,025.01	1/4	2,660.84	1/4	2,296.66	1/4	1,932.49
1/2	4,682.62	1/2	4,446.78	1/2	4,194.16	1/2	3,941.53	1/2	3,688.91	1/2	3,381.60	1/2	3,017.43	1/2	2,653.25	1/2	2,289.07	1/2	1,924.90
3/4	4,680.09	3/4	4,441.52	3/4	4,188.89	3/4	3,936.27	3/4	3,683.65	3/4	3,374.01	3/4	3,009.84	3/4	2,645.66	3/4	2,281.48	3/4	1,917.31

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 10-09" 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 3004"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,909.72	0	1,545.54	0	1,181.37	0	818.21	0	454.84	0	90.91	0		0		0		0	
1/4	1,902.14	1/4	1,537.96	1/4	1,173.79	1/4	810.65	1/4	447.26	1/4	83.32	1/4		1/4		1/4		1/4	
1/2	1,894.55	1/2	1,530.37	1/2	1,166.20	1/2	803.10	1/2	439.68	1/2	75.74	1/2		1/2		1/2		1/2	
3/4	1,886.96	3/4	1,522.78	3/4	1,158.61	3/4	795.55	3/4	432.10	3/4	68.16	3/4		3/4		3/4		3/4	
1	1,879.37	1	1,515.20	1	1,151.02	1	788.00	1	424.52	1	60.85	1		1		1		1	
1/4	1,871.79	1/4	1,507.61	1/4	1,143.44	1/4	780.44	1/4	416.93	1/4	53.54	1/4		1/4		1/4		1/4	
1/2	1,864.20	1/2	1,500.03	1/2	1,135.85	1/2	772.89	1/2	409.35	1/2	46.23	1/2		1/2		1/2		1/2	
3/4	1,856.61	3/4	1,492.44	3/4	1,128.26	3/4	765.34	3/4	401.77	3/4	38.92	3/4		3/4		3/4		3/4	
2	1,849.02	2	1,484.85	2	1,120.67	2	757.79	2	394.19	2	33.50	2		2		2		2	
1/4	1,841.44	1/4	1,477.27	1/4	1,113.09	1/4	750.24	1/4	386.60	1/4	28.09	1/4		1/4		1/4		1/4	
1/2	1,833.85	1/2	1,469.68	1/2	1,105.50	1/2	742.69	1/2	379.02	1/2	22.67	1/2		1/2		1/2		1/2	
3/4	1,826.26	3/4	1,462.09	3/4	1,097.91	3/4	735.14	3/4	371.44	3/4	17.26	3/4		3/4		3/4		3/4	
3	1,818.68	3	1,454.50	3	1,090.32	3	727.59	3	363.86	3	—	3		3		3		3	
1/4	1,811.09	1/4	1,446.92	1/4	1,082.73	1/4	720.03	1/4	356.27	1/4		1/4		1/4		1/4		1/4	
1/2	1,803.51	1/2	1,439.33	1/2	1,075.15	1/2	712.48	1/2	348.69	1/2		1/2		1/2		1/2		1/2	
3/4	1,795.92	3/4	1,431.74	3/4	1,067.56	3/4	704.93	3/4	341.11	3/4		3/4		3/4		3/4		3/4	
4	1,788.33	4	1,424.15	4	1,059.97	4	697.38	4	333.53	4		4		4		4		4	
1/4	1,780.75	1/4	1,416.57	1/4	1,052.39	1/4	689.82	1/4	325.94	1/4		1/4		1/4		1/4		1/4	
1/2	1,773.16	1/2	1,408.98	1/2	1,044.80	1/2	682.27	1/2	318.36	1/2		1/2		1/2		1/2		1/2	
3/4	1,765.57	3/4	1,401.39	3/4	1,037.22	3/4	674.72	3/4	310.78	3/4		3/4		3/4		3/4		3/4	
5	1,757.98	5	1,393.80	5	1,029.67	5	667.14	5	303.20	5		5		5		5		5	
1/4	1,750.40	1/4	1,386.22	1/4	1,022.11	1/4	659.55	1/4	295.62	1/4		1/4		1/4		1/4		1/4	
1/2	1,742.81	1/2	1,378.63	1/2	1,014.56	1/2	651.97	1/2	288.04	1/2		1/2		1/2		1/2		1/2	
3/4	1,735.22	3/4	1,371.04	3/4	1,007.01	3/4	644.39	3/4	280.46	3/4		3/4		3/4		3/4		3/4	
6	1,727.63	6	1,363.46	6	999.46	6	636.81	6	272.88	6		6		6		6		6	
1/4	1,720.05	1/4	1,355.87	1/4	991.90	1/4	629.22	1/4	265.29	1/4		1/4		1/4		1/4		1/4	
1/2	1,712.46	1/2	1,348.29	1/2	984.35	1/2	621.64	1/2	257.71	1/2		1/2		1/2		1/2		1/2	
3/4	1,704.87	3/4	1,340.70	3/4	976.80	3/4	614.06	3/4	250.13	3/4		3/4		3/4		3/4		3/4	
7	1,697.28	7	1,333.11	7	969.25	7	606.48	7	242.55	7		7		7		7		7	
1/4	1,689.70	1/4	1,325.53	1/4	961.69	1/4	598.90	1/4	234.96	1/4		1/4		1/4		1/4		1/4	
1/2	1,682.11	1/2	1,317.94	1/2	954.14	1/2	591.32	1/2	227.38	1/2		1/2		1/2		1/2		1/2	
3/4	1,674.52	3/4	1,310.35	3/4	946.59	3/4	583.74	3/4	219.80	3/4		3/4		3/4		3/4		3/4	
8	1,666.94	8	1,302.76	8	939.04	8	576.16	8	212.22	8		8		8		8		8	
1/4	1,659.35	1/4	1,295.18	1/4	931.48	1/4	568.57	1/4	204.63	1/4		1/4		1/4		1/4		1/4	
1/2	1,651.77	1/2	1,287.59	1/2	923.93	1/2	560.99	1/2	197.05	1/2		1/2		1/2		1/2		1/2	
3/4	1,644.18	3/4	1,280.00	3/4	916.38	3/4	553.41	3/4	189.47	3/4		3/4		3/4		3/4		3/4	
9	1,636.59	9	1,272.41	9	908.83	9	545.83	9	181.89	9		9		9		9		9	
1/4	1,629.01	1/4	1,264.83	1/4	901.28	1/4	538.24	1/4	174.30	1/4		1/4		1/4		1/4		1/4	
1/2	1,621.42	1/2	1,257.24	1/2	893.73	1/2	530.66	1/2	166.72	1/2		1/2		1/2		1/2		1/2	
3/4	1,613.83	3/4	1,249.65	3/4	886.18	3/4	523.08	3/4	159.14	3/4		3/4		3/4		3/4		3/4	
10	1,606.24	10	1,242.06	10	878.63	10	515.50	10	151.56	10		10		10		10		10	
1/4	1,598.66	1/4	1,234.48	1/4	871.07	1/4	507.91	1/4	143.98	1/4		1/4		1/4		1/4		1/4	
1/2	1,591.07	1/2	1,226.89	1/2	863.52	1/2	500.33	1/2	136.40	1/2		1/2		1/2		1/2		1/2	
3/4	1,583.48	3/4	1,219.30	3/4	855.97	3/4	492.75	3/4	128.82	3/4		3/4		3/4		3/4		3/4	
11	1,575.89	11	1,211.72	11	848.42	11	485.17	11	121.24	11		11		11		11		11	
1/4	1,568.31	1/4	1,204.13	1/4	840.86	1/4	477.58	1/4	113.65	1/4		1/4		1/4		1/4		1/4	
1/2	1,560.72	1/2	1,196.55	1/2	833.31	1/2	470.00	1/2	106.07	1/2		1/2		1/2		1/2		1/2	
3/4	1,553.13	3/4	1,188.96	3/4	825.76	3/4	462.42	3/4	98.49	3/4		3/4		3/4		3/4		3/4	

STRAPPED: 06/18/1998
DECK MEASUREMENTS: 05/11/2016 SW
PRINTED: 05/11/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2016

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "NGL 3004"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	4,670.16	0	4,425.73	0	4,173.10	0	3,920.48	0	3,667.86	0	3,351.25	0	2,987.08	0	2,622.90	0	2,258.73
1/4		1/4	4,666.85	1/4	4,420.47	1/4	4,167.84	1/4	3,915.22	1/4	3,662.59	1/4	3,343.66	1/4	2,979.49	1/4	2,615.31	1/4	2,251.14
1/2		1/2	4,662.76	1/2	4,415.21	1/2	4,162.58	1/2	3,909.96	1/2	3,657.33	1/2	3,336.08	1/2	2,971.90	1/2	2,607.72	1/2	2,243.55
3/4		3/4	4,658.67	3/4	4,409.94	3/4	4,157.32	3/4	3,904.70	3/4	3,652.07	3/4	3,328.49	3/4	2,964.32	3/4	2,600.14	3/4	2,235.97
1		1	4,654.57	1	4,404.68	1	4,152.05	1	3,899.43	1	3,646.80	1	3,320.91	1	2,956.73	1	2,592.55	1	2,228.38
1/4		1/4	4,650.48	1/4	4,399.41	1/4	4,146.79	1/4	3,894.17	1/4	3,641.54	1/4	3,313.32	1/4	2,949.14	1/4	2,584.96	1/4	2,220.79
1/2		1/2	4,645.61	1/2	4,394.15	1/2	4,141.53	1/2	3,888.91	1/2	3,636.21	1/2	3,305.73	1/2	2,941.55	1/2	2,577.38	1/2	2,213.20
3/4		3/4	4,640.74	3/4	4,388.89	3/4	4,136.27	3/4	3,883.64	3/4	3,630.89	3/4	3,298.15	3/4	2,933.97	3/4	2,569.79	3/4	2,205.62
2		2	4,635.86	2	4,383.62	2	4,131.00	2	3,878.38	2	3,625.56	2	3,290.56	2	2,926.38	2	2,562.21	2	2,198.03
1/4		1/4	4,630.99	1/4	4,378.36	1/4	4,125.74	1/4	3,873.11	1/4	3,620.23	1/4	3,282.97	1/4	2,918.79	1/4	2,554.62	1/4	2,190.44
1/2		1/2	4,625.73	1/2	4,373.10	1/2	4,120.48	1/2	3,867.85	1/2	3,614.61	1/2	3,275.38	1/2	2,911.20	1/2	2,547.03	1/2	2,182.85
3/4		3/4	4,620.46	3/4	4,367.84	3/4	4,115.22	3/4	3,862.59	3/4	3,608.99	3/4	3,267.80	3/4	2,903.62	3/4	2,539.45	3/4	2,175.27
3		3	4,615.20	3	4,362.57	3	4,109.95	3	3,857.32	3	3,603.37	3	3,260.21	3	2,896.03	3	2,531.86	3	2,167.68
1/4		1/4	4,609.93	1/4	4,357.31	1/4	4,104.69	1/4	3,852.06	1/4	3,597.75	1/4	3,252.62	1/4	2,888.44	1/4	2,524.27	1/4	2,160.09
1/2		1/2	4,604.67	1/2	4,352.05	1/2	4,099.43	1/2	3,846.80	1/2	3,591.80	1/2	3,245.03	1/2	2,880.86	1/2	2,516.68	1/2	2,152.50
3/4		3/4	4,599.41	3/4	4,346.79	3/4	4,094.16	3/4	3,841.54	3/4	3,585.85	3/4	3,237.45	3/4	2,873.27	3/4	2,509.10	3/4	2,144.92
4		4	4,594.14	4	4,341.52	4	4,088.90	4	3,836.27	4	3,579.89	4	3,229.86	4	2,865.69	4	2,501.51	4	2,137.33
1/4		1/4	4,588.88	1/4	4,336.26	1/4	4,083.63	1/4	3,831.01	1/4	3,573.94	1/4	3,222.27	1/4	2,858.10	1/4	2,493.92	1/4	2,129.74
1/2		1/2	4,583.62	1/2	4,331.00	1/2	4,078.37	1/2	3,825.75	1/2	3,567.64	1/2	3,214.68	1/2	2,850.51	1/2	2,486.33	1/2	2,122.16
3/4		3/4	4,578.36	3/4	4,325.74	3/4	4,073.11	3/4	3,820.49	3/4	3,561.35	3/4	3,207.10	3/4	2,842.93	3/4	2,478.75	3/4	2,114.57
5		5	4,573.09	5	4,320.47	5	4,067.84	5	3,815.22	5	3,555.05	5	3,199.51	5	2,835.34	5	2,471.16	5	2,106.99
1/4		1/4	4,567.83	1/4	4,315.21	1/4	4,062.58	1/4	3,809.96	1/4	3,548.75	1/4	3,191.92	1/4	2,827.75	1/4	2,463.57	1/4	2,099.40
1/2		1/2	4,562.57	1/2	4,309.95	1/2	4,057.32	1/2	3,804.70	1/2	3,542.11	1/2	3,184.34	1/2	2,820.16	1/2	2,455.98	1/2	2,091.81
3/4		3/4	4,557.31	3/4	4,304.68	3/4	4,052.06	3/4	3,799.44	3/4	3,535.46	3/4	3,176.75	3/4	2,812.58	3/4	2,448.40	3/4	2,084.23
6		6	4,552.04	6	4,299.42	6	4,046.79	6	3,794.17	6	3,528.82	6	3,169.17	6	2,804.99	6	2,440.81	6	2,076.64
1/4		1/4	4,546.78	1/4	4,294.15	1/4	4,041.53	1/4	3,788.91	1/4	3,522.17	1/4	3,161.58	1/4	2,797.40	1/4	2,433.22	1/4	2,069.05
1/2		1/2	4,541.52	1/2	4,288.89	1/2	4,036.27	1/2	3,783.65	1/2	3,515.18	1/2	3,153.99	1/2	2,789.81	1/2	2,425.64	1/2	2,061.46
3/4		3/4	4,536.26	3/4	4,283.63	3/4	4,031.01	3/4	3,778.38	3/4	3,508.20	3/4	3,146.41	3/4	2,782.23	3/4	2,418.05	3/4	2,053.88
7		7	4,530.99	7	4,278.36	7	4,025.74	7	3,773.12	7	3,501.21	7	3,138.82	7	2,774.64	7	2,410.47	7	2,046.29
1/4		1/4	4,525.73	1/4	4,273.10	1/4	4,020.48	1/4	3,767.85	1/4	3,494.22	1/4	3,131.23	1/4	2,767.05	1/4	2,402.88	1/4	2,038.70
1/2	4,701.98	1/2	4,520.47	1/2	4,267.84	1/2	4,015.22	1/2	3,762.59	1/2	3,486.89	1/2	3,123.64	1/2	2,759.46	1/2	2,395.29	1/2	2,031.11
3/4	4,701.69	3/4	4,515.20	3/4	4,262.58	3/4	4,009.96	3/4	3,757.33	3/4	3,479.56	3/4	3,116.06	3/4	2,751.88	3/4	2,387.71	3/4	2,023.53
8	4,701.40	8	4,509.94	8	4,257.31	8	4,004.69	8	3,752.06	8	3,472.22	8	3,108.47	8	2,744.29	8	2,380.12	8	2,015.94
1/4	4,701.11	1/4	4,504.67	1/4	4,252.05	1/4	3,999.43	1/4	3,746.80	1/4	3,464.89	1/4	3,100.88	1/4	2,736.70	1/4	2,372.53	1/4	2,008.35
1/2	4,700.14	1/2	4,499.41	1/2	4,246.79	1/2	3,994.17	1/2	3,741.54	1/2	3,457.35	1/2	3,093.29	1/2	2,729.12	1/2	2,364.94	1/2	2,000.76
3/4	4,699.17	3/4	4,494.15	3/4	4,241.53	3/4	3,988.90	3/4	3,736.28	3/4	3,449.80	3/4	3,085.71	3/4	2,721.53	3/4	2,357.36	3/4	1,993.18
9	4,698.20	9	4,488.88	9	4,236.26	9	3,983.64	9	3,731.01	9	3,442.26	9	3,078.12	9	2,713.95	9	2,349.77	9	1,985.59
1/4	4,697.23	1/4	4,483.62	1/4	4,231.00	1/4	3,978.37	1/4	3,725.75	1/4	3,434.71	1/4	3,070.53	1/4	2,706.36	1/4	2,342.18	1/4	1,978.00
1/2	4,695.48	1/2	4,478.36	1/2	4,225.74	1/2	3,973.11	1/2	3,720.49	1/2	3,427.12	1/2	3,062.94	1/2	2,698.77	1/2	2,334.59	1/2	1,970.42
3/4	4,693.73	3/4	4,473.10	3/4	4,220.48	3/4	3,967.85	3/4	3,715.23	3/4	3,419.54	3/4	3,055.36	3/4	2,691.19	3/4	2,327.01	3/4	1,962.83
10	4,691.97	10	4,467.83	10	4,215.21	10	3,962.58	10	3,709.96	10	3,411.95	10	3,047.77	10	2,683.60	10	2,319.42	10	1,955.25
1/4	4,690.22	1/4	4,462.57	1/4	4,209.95	1/4	3,957.32	1/4	3,704.70	1/4	3,404.36	1/4	3,040.18	1/4	2,676.01	1/4	2,311.83	1/4	1,947.66
1/2	4,687.69	1/2	4,457.31	1/2	4,204.69	1/2	3,952.06	1/2	3,699.44	1/2	3,396.77	1/2	3,032.60	1/2	2,668.42	1/2	2,304.24	1/2	1,940.07
3/4	4,685.16	3/4	4,452.05	3/4	4,199.42	3/4	3,946.80	3/4	3,694.18	3/4	3,389.19	3/4	3,025.01	3/4	2,660.84	3/4	2,296.66	3/4	1,932.49
11	4,682.62	11	4,446.78	11	4,194.16	11	3,941.53	11	3,688.91	11	3,381.60	11	3,017.43	11	2,653.25	11	2,289.07	11	1,924.90
1/4	4,680.09	1/4	4,441.52	1/4	4,188.89	1/4	3,936.27	1/4	3,683.65	1/4	3,374.01	1/4	3,009.84	1/4	2,645.66	1/4	2,281.48	1/4	1,917.31
1/2	4,676.78	1/2	4,436.26	1/2	4,183.63	1/2	3,931.01	1/2	3,678.39	1/2	3,366.42	1/2	3,002.25	1/2	2,638.07	1/2	2,273.90	1/2	1,909.72
3/4	4,673.47	3/4	4,431.00	3/4	4,178.37	3/4	3,925.75	3/4	3,673.12	3/4	3,358.84	3/4	2,994.67	3/4	2,630.49	3/4	2,266.31	3/4	1,902.14

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 10-09" 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 3004"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,894.55	0	1,530.37	0	1,166.20	0	803.10	0	439.68	0	75.74	0		0		0		0	
1/4	1,886.96	1/4	1,522.78	1/4	1,158.61	1/4	795.55	1/4	432.10	1/4	68.16	1/4		1/4		1/4		1/4	
1/2	1,879.37	1/2	1,515.20	1/2	1,151.02	1/2	788.00	1/2	424.52	1/2	60.85	1/2		1/2		1/2		1/2	
3/4	1,871.79	3/4	1,507.61	3/4	1,143.44	3/4	780.44	3/4	416.93	3/4	53.54	3/4		3/4		3/4		3/4	
1	1,864.20	1	1,500.03	1	1,135.85	1	772.89	1	409.35	1	46.23	1		1		1		1	
1/4	1,856.61	1/4	1,492.44	1/4	1,128.26	1/4	765.34	1/4	401.77	1/4	38.92	1/4		1/4		1/4		1/4	
1/2	1,849.02	1/2	1,484.85	1/2	1,120.67	1/2	757.79	1/2	394.19	1/2	33.50	1/2		1/2		1/2		1/2	
3/4	1,841.44	3/4	1,477.27	3/4	1,113.09	3/4	750.24	3/4	386.60	3/4	28.09	3/4		3/4		3/4		3/4	
2	1,833.85	2	1,469.68	2	1,105.50	2	742.69	2	379.02	2	22.67	2		2		2		2	
1/4	1,826.26	1/4	1,462.09	1/4	1,097.91	1/4	735.14	1/4	371.44	1/4	17.26	1/4		1/4		1/4		1/4	
1/2	1,818.68	1/2	1,454.50	1/2	1,090.32	1/2	727.59	1/2	363.86	1/2		1/2		1/2		1/2		1/2	
3/4	1,811.09	3/4	1,446.92	3/4	1,082.73	3/4	720.03	3/4	356.27	3/4		3/4		3/4		3/4		3/4	
3	1,803.51	3	1,439.33	3	1,075.15	3	712.48	3	348.69	3		3		3		3		3	
1/4	1,795.92	1/4	1,431.74	1/4	1,067.56	1/4	704.93	1/4	341.11	1/4		1/4		1/4		1/4		1/4	
1/2	1,788.33	1/2	1,424.15	1/2	1,059.97	1/2	697.38	1/2	333.53	1/2		1/2		1/2		1/2		1/2	
3/4	1,780.75	3/4	1,416.57	3/4	1,052.39	3/4	689.82	3/4	325.94	3/4		3/4		3/4		3/4		3/4	
4	1,773.16	4	1,408.98	4	1,044.80	4	682.27	4	318.36	4		4		4		4		4	
1/4	1,765.57	1/4	1,401.39	1/4	1,037.22	1/4	674.72	1/4	310.78	1/4		1/4		1/4		1/4		1/4	
1/2	1,757.98	1/2	1,393.80	1/2	1,029.67	1/2	667.14	1/2	303.20	1/2		1/2		1/2		1/2		1/2	
3/4	1,750.40	3/4	1,386.22	3/4	1,022.11	3/4	659.55	3/4	295.62	3/4		3/4		3/4		3/4		3/4	
5	1,742.81	5	1,378.63	5	1,014.56	5	651.97	5	288.04	5		5		5		5		5	
1/4	1,735.22	1/4	1,371.04	1/4	1,007.01	1/4	644.39	1/4	280.46	1/4		1/4		1/4		1/4		1/4	
1/2	1,727.63	1/2	1,363.46	1/2	999.46	1/2	636.81	1/2	272.88	1/2		1/2		1/2		1/2		1/2	
3/4	1,720.05	3/4	1,355.87	3/4	991.90	3/4	629.22	3/4	265.29	3/4		3/4		3/4		3/4		3/4	
6	1,712.46	6	1,348.29	6	984.35	6	621.64	6	257.71	6		6		6		6		6	
1/4	1,704.87	1/4	1,340.70	1/4	976.80	1/4	614.06	1/4	250.13	1/4		1/4		1/4		1/4		1/4	
1/2	1,697.28	1/2	1,333.11	1/2	969.25	1/2	606.48	1/2	242.55	1/2		1/2		1/2		1/2		1/2	
3/4	1,689.70	3/4	1,325.53	3/4	961.69	3/4	598.90	3/4	234.96	3/4		3/4		3/4		3/4		3/4	
7	1,682.11	7	1,317.94	7	954.14	7	591.32	7	227.38	7		7		7		7		7	
1/4	1,674.52	1/4	1,310.35	1/4	946.59	1/4	583.74	1/4	219.80	1/4		1/4		1/4		1/4		1/4	
1/2	1,666.94	1/2	1,302.76	1/2	939.04	1/2	576.16	1/2	212.22	1/2		1/2		1/2		1/2		1/2	
3/4	1,659.35	3/4	1,295.18	3/4	931.48	3/4	568.57	3/4	204.63	3/4		3/4		3/4		3/4		3/4	
8	1,651.77	8	1,287.59	8	923.93	8	560.99	8	197.05	8		8		8		8		8	
1/4	1,644.18	1/4	1,280.00	1/4	916.38	1/4	553.41	1/4	189.47	1/4		1/4		1/4		1/4		1/4	
1/2	1,636.59	1/2	1,272.41	1/2	908.83	1/2	545.83	1/2	181.89	1/2		1/2		1/2		1/2		1/2	
3/4	1,629.01	3/4	1,264.83	3/4	901.28	3/4	538.24	3/4	174.30	3/4		3/4		3/4		3/4		3/4	
9	1,621.42	9	1,257.24	9	893.73	9	530.66	9	166.72	9		9		9		9		9	
1/4	1,613.83	1/4	1,249.65	1/4	886.18	1/4	523.08	1/4	159.14	1/4		1/4		1/4		1/4		1/4	
1/2	1,606.24	1/2	1,242.06	1/2	878.63	1/2	515.50	1/2	151.56	1/2		1/2		1/2		1/2		1/2	
3/4	1,598.66	3/4	1,234.48	3/4	871.07	3/4	507.91	3/4	143.98	3/4		3/4		3/4		3/4		3/4	
10	1,591.07	10	1,226.89	10	863.52	10	500.33	10	136.40	10		10		10		10		10	
1/4	1,583.48	1/4	1,219.30	1/4	855.97	1/4	492.75	1/4	128.82	1/4		1/4		1/4		1/4		1/4	
1/2	1,575.89	1/2	1,211.72	1/2	848.42	1/2	485.17	1/2	121.24	1/2		1/2		1/2		1/2		1/2	
3/4	1,568.31	3/4	1,204.13	3/4	840.86	3/4	477.58	3/4	113.65	3/4		3/4		3/4		3/4		3/4	
11	1,560.72	11	1,196.55	11	833.31	11	470.00	11	106.07	11		11		11		11		11	
1/4	1,553.13	1/4	1,188.96	1/4	825.76	1/4	462.42	1/4	98.49	1/4		1/4		1/4		1/4		1/4	
1/2	1,545.54	1/2	1,181.37	1/2	818.21	1/2	454.84	1/2	90.91	1/2		1/2		1/2		1/2		1/2	
3/4	1,537.96	3/4	1,173.79	3/4	810.65	3/4	447.26	3/4	83.32	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/18/1998
DECK MEASUREMENTS: 05/11/2016 SW
PRINTED: 05/11/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2016

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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