



BARGE "NGL 3024"

ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 1'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 3'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 238'-06"

May 22, 2019

PRECISION MEASUREMENT
& ANALYSIS, INC.

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<http://www.pmacorp.net>



BARGE "NGL 3024"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 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		0	204,480	0	189,547	0	174,547	0	159,511	0	144,474	0	129,438	0	114,401	0	99,361
1/4		1/4		1/4	204,170	1/4	189,235	1/4	174,234	1/4	159,197	1/4	144,161	1/4	129,125	1/4	114,088	1/4	99,047
1/2		1/2		1/2	203,859	1/2	188,923	1/2	173,921	1/2	158,884	1/2	143,848	1/2	128,811	1/2	113,775	1/2	98,734
3/4		3/4		3/4	203,549	3/4	188,610	3/4	173,607	3/4	158,571	3/4	143,534	3/4	128,498	3/4	113,462	3/4	98,420
1		1		1	203,239	1	188,298	1	173,294	1	158,258	1	143,221	1	128,185	1	113,148	1	98,107
1/4		1/4		1/4	202,929	1/4	187,986	1/4	172,981	1/4	157,944	1/4	142,908	1/4	127,872	1/4	112,835	1/4	97,794
1/2		1/2		1/2	202,619	1/2	187,673	1/2	172,668	1/2	157,631	1/2	142,595	1/2	127,558	1/2	112,522	1/2	97,480
3/4		3/4		3/4	202,309	3/4	187,361	3/4	172,354	3/4	157,318	3/4	142,281	3/4	127,245	3/4	112,209	3/4	97,167
2		2		2	201,998	2	187,049	2	172,041	2	157,005	2	141,968	2	126,932	2	111,895	2	96,853
1/4		1/4		1/4	201,688	1/4	186,736	1/4	171,728	1/4	156,691	1/4	141,655	1/4	126,619	1/4	111,582	1/4	96,540
1/2		1/2		1/2	201,378	1/2	186,424	1/2	171,414	1/2	156,378	1/2	141,342	1/2	126,305	1/2	111,269	1/2	96,227
3/4		3/4		3/4	201,068	3/4	186,112	3/4	171,101	3/4	156,065	3/4	141,028	3/4	125,992	3/4	110,956	3/4	95,913
3		3		3	200,758	3	185,799	3	170,788	3	155,752	3	140,715	3	125,679	3	110,642	3	95,600
1/4		1/4		1/4	200,448	1/4	185,487	1/4	170,475	1/4	155,438	1/4	140,402	1/4	125,365	1/4	110,329	1/4	95,286
1/2		1/2		1/2	200,138	1/2	185,175	1/2	170,161	1/2	155,125	1/2	140,089	1/2	125,052	1/2	110,016	1/2	94,973
3/4		3/4		3/4	199,827	3/4	184,862	3/4	169,848	3/4	154,812	3/4	139,775	3/4	124,739	3/4	109,703	3/4	94,660
4		4		4	199,517	4	184,550	4	169,535	4	154,499	4	139,462	4	124,426	4	109,389	4	94,346
1/4		1/4		1/4	199,207	1/4	184,238	1/4	169,222	1/4	154,185	1/4	139,149	1/4	124,112	1/4	109,076	1/4	94,033
1/2		1/2		1/2	198,897	1/2	183,925	1/2	168,908	1/2	153,872	1/2	138,836	1/2	123,799	1/2	108,763	1/2	93,719
3/4		3/4		3/4	198,587	3/4	183,613	3/4	168,595	3/4	153,559	3/4	138,522	3/4	123,486	3/4	108,449	3/4	93,406
5		5		5	198,277	5	183,300	5	168,282	5	153,245	5	138,209	5	123,173	5	108,136	5	93,092
1/4		1/4		1/4	197,966	1/4	182,988	1/4	167,969	1/4	152,932	1/4	137,896	1/4	122,859	1/4	107,823	1/4	92,779
1/2		1/2		1/2	197,656	1/2	182,676	1/2	167,655	1/2	152,619	1/2	137,583	1/2	122,546	1/2	107,509	1/2	92,466
3/4		3/4		3/4	197,346	3/4	182,363	3/4	167,342	3/4	152,306	3/4	137,269	3/4	122,233	3/4	107,196	3/4	92,152
6		6		6	197,036	6	182,051	6	167,029	6	151,992	6	136,956	6	121,920	6	106,883	6	91,839
1/4		1/4		1/4	210,971	1/4	196,726	1/4	181,739	1/4	166,716	1/4	151,679	1/4	136,643	1/4	121,606	1/4	106,569
1/2		1/2		1/2	210,755	1/2	196,415	1/2	181,426	1/2	166,402	1/2	151,366	1/2	136,330	1/2	121,293	1/2	106,256
3/4		3/4		3/4	210,540	3/4	196,104	3/4	181,114	3/4	166,089	3/4	151,053	3/4	136,016	3/4	120,980	3/4	105,942
7		7		7	210,325	7	195,793	7	180,802	7	165,776	7	150,739	7	135,703	7	120,667	7	105,629
1/4		1/4		1/4	210,110	1/4	195,482	1/4	180,489	1/4	165,463	1/4	150,426	1/4	135,390	1/4	120,353	1/4	105,315
1/2		1/2		1/2	209,850	1/2	195,170	1/2	180,177	1/2	165,149	1/2	150,113	1/2	135,076	1/2	120,040	1/2	105,002
3/4		3/4		3/4	209,590	3/4	194,857	3/4	179,865	3/4	164,836	3/4	149,800	3/4	134,763	3/4	119,727	3/4	104,689
8		8		8	209,330	8	194,545	8	179,552	8	164,523	8	149,486	8	134,450	8	119,414	8	104,375
1/4		1/4		1/4	209,070	1/4	194,233	1/4	179,240	1/4	164,210	1/4	149,173	1/4	134,137	1/4	119,100	1/4	104,062
1/2		1/2		1/2	208,775	1/2	193,920	1/2	178,928	1/2	163,896	1/2	148,860	1/2	133,823	1/2	118,787	1/2	103,748
3/4		3/4		3/4	208,479	3/4	193,608	3/4	178,615	3/4	163,583	3/4	148,547	3/4	133,510	3/4	118,474	3/4	103,435
9		9		9	208,183	9	193,296	9	178,303	9	163,270	9	148,233	9	133,197	9	118,161	9	103,122
1/4		1/4		1/4	207,887	1/4	192,983	1/4	177,991	1/4	162,957	1/4	147,920	1/4	132,884	1/4	117,847	1/4	102,808
1/2		1/2		1/2	207,578	1/2	192,671	1/2	177,678	1/2	162,643	1/2	147,607	1/2	132,570	1/2	117,534	1/2	102,495
3/4		3/4		3/4	207,269	3/4	192,358	3/4	177,365	3/4	162,330	3/4	147,294	3/4	132,257	3/4	117,221	3/4	102,181
10		10		10	206,960	10	192,046	10	177,053	10	162,017	10	146,980	10	131,944	10	116,908	10	101,868
1/4		1/4		1/4	206,651	1/4	191,734	1/4	176,740	1/4	161,703	1/4	146,667	1/4	131,631	1/4	116,594	1/4	101,555
1/2		1/2		1/2	206,340	1/2	191,421	1/2	176,427	1/2	161,390	1/2	146,354	1/2	131,317	1/2	116,281	1/2	101,241
3/4		3/4		3/4	206,030	3/4	191,109	3/4	176,113	3/4	161,077	3/4	146,041	3/4	131,004	3/4	115,968	3/4	100,928
11		11		11	205,720	11	190,797	11	175,800	11	160,764	11	145,727	11	130,691	11	115,654	11	100,614
1/4		1/4		1/4	205,410	1/4	190,484	1/4	175,487	1/4	160,450	1/4	145,414	1/4	130,378	1/4	115,341	1/4	100,301
1/2		1/2		1/2	205,100	1/2	190,172	1/2	175,174	1/2	160,137	1/2	145,101	1/2	130,064	1/2	115,028	1/2	99,987
3/4		3/4		3/4	204,790	3/4	189,860	3/4	174,860	3/4	159,824	3/4	144,788	3/4	129,751	3/4	114,715	3/4	99,674

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF "HERMETIC" VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

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1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 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	84,317	0	69,288	0	54,251	0	39,208	0	24,165	0	9,807	0		0		0		0	
1/4	84,004	1/4	68,975	1/4	53,938	1/4	38,895	1/4	23,851	1/4	9,528	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,690	1/2	68,662	1/2	53,624	1/2	38,581	1/2	23,538	1/2	9,253	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,377	3/4	68,349	3/4	53,311	3/4	38,268	3/4	23,224	3/4	8,977	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	83,063	1	68,036	1	52,998	1	37,954	1	22,911	1	8,702	1	1	1	1	1	1	1	1
1/4	82,750	1/4	67,724	1/4	52,684	1/4	37,641	1/4	22,598	1/4	8,427	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,436	1/2	67,411	1/2	52,371	1/2	37,327	1/2	22,285	1/2	8,155	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,123	3/4	67,098	3/4	52,057	3/4	37,014	3/4	21,971	3/4	7,884	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	81,810	2	66,785	2	51,744	2	36,701	2	21,658	2	7,612	2	2	2	2	2	2	2	2
1/4	81,496	1/4	66,472	1/4	51,431	1/4	36,387	1/4	21,345	1/4	7,340	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,183	1/2	66,159	1/2	51,117	1/2	36,074	1/2	21,034	1/2	7,072	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,869	3/4	65,846	3/4	50,804	3/4	35,760	3/4	20,722	3/4	6,804	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	80,556	3	65,533	3	50,490	3	35,447	3	20,411	3	6,537	3	3	3	3	3	3	3	3
1/4	80,243	1/4	65,220	1/4	50,177	1/4	35,134	1/4	20,100	1/4	6,269	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,929	1/2	64,907	1/2	49,864	1/2	34,820	1/2	19,791	1/2	6,004	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,616	3/4	64,593	3/4	49,550	3/4	34,507	3/4	19,483	3/4	5,740	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	79,302	4	64,280	4	49,237	4	34,193	4	19,175	4	5,476	4	4	4	4	4	4	4	4
1/4	78,989	1/4	63,967	1/4	48,923	1/4	33,880	1/4	18,866	1/4	5,211	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,676	1/2	63,653	1/2	48,610	1/2	33,567	1/2	18,561	1/2	4,951	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,362	3/4	63,340	3/4	48,297	3/4	33,253	3/4	18,257	3/4	4,690	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	78,049	5	63,026	5	47,983	5	32,940	5	17,952	5	4,430	5	5	5	5	5	5	5	5
1/4	77,736	1/4	62,713	1/4	47,670	1/4	32,626	1/4	17,647	1/4	4,169	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,422	1/2	62,400	1/2	47,356	1/2	32,313	1/2	17,346	1/2	3,912	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,109	3/4	62,086	3/4	47,043	3/4	32,000	3/4	17,045	3/4	3,656	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	76,796	6	61,773	6	46,730	6	31,686	6	16,744	6	3,399	6	6	6	6	6	6	6	6
1/4	76,483	1/4	61,459	1/4	46,416	1/4	31,373	1/4	16,443	1/4	3,142	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,170	1/2	61,146	1/2	46,103	1/2	31,059	1/2	16,146	1/2	2,890	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,857	3/4	60,833	3/4	45,789	3/4	30,746	3/4	15,849	3/4	2,638	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	75,544	7	60,519	7	45,476	7	30,433	7	15,551	7	2,385	7	7	7	7	7	7	7	7
1/4	75,231	1/4	60,206	1/4	45,163	1/4	30,119	1/4	15,254	1/4	2,133	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,919	1/2	59,892	1/2	44,849	1/2	29,806	1/2	14,960	1/2	1,904	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,606	3/4	59,579	3/4	44,536	3/4	29,492	3/4	14,667	3/4	1,675	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	74,293	8	59,266	8	44,222	8	29,179	8	14,373	8	1,446	8	8	8	8	8	8	8	8
1/4	73,980	1/4	58,952	1/4	43,909	1/4	28,866	1/4	14,079	1/4	1,217	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,667	1/2	58,639	1/2	43,596	1/2	28,552	1/2	13,790	1/2	1,049	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,354	3/4	58,325	3/4	43,282	3/4	28,239	3/4	13,500	3/4	881	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	73,042	9	58,012	9	42,969	9	27,925	9	13,210	9	713	9	9	9	9	9	9	9	9
1/4	72,729	1/4	57,699	1/4	42,655	1/4	27,612	1/4	12,920	1/4	545	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,416	1/2	57,385	1/2	42,342	1/2	27,299	1/2	12,633	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,103	3/4	57,072	3/4	42,029	3/4	26,985	3/4	12,347	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	71,790	10	56,758	10	41,715	10	26,672	10	12,061	10	10	10	10	10	10	10	10	10	10
1/4	71,477	1/4	56,445	1/4	41,402	1/4	26,358	1/4	11,774	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,165	1/2	56,132	1/2	41,088	1/2	26,045	1/2	11,492	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,852	3/4	55,818	3/4	40,775	3/4	25,732	3/4	11,209	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
11	70,539	11	55,505	11	40,462	11	25,418	11	10,926	11	11	11	11	11	11	11	11	11	11
1/4	70,226	1/4	55,191	1/4	40,148	1/4	25,105	1/4	10,644	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	69,913	1/2	54,878	1/2	39,835	1/2	24,791	1/2	10,365	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69,600	3/4	54,565	3/4	39,521	3/4	24,478	3/4	10,086	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/22/2019 CL
CALCULATED: 05/23/2019 CL
PRINTED: 05/24/2019 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.dmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019



BARGE "NGL 3024"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	203,962	0	189,061	0	174,093	0	159,089	0	144,085	0	129,080	0	114,076	0	99,068
1/4		1/4		1/4	203,652	1/4	188,750	1/4	173,781	1/4	158,776	1/4	143,772	1/4	128,768	1/4	113,764	1/4	98,755
1/2		1/2		1/2	203,343	1/2	188,438	1/2	173,468	1/2	158,464	1/2	143,459	1/2	128,455	1/2	113,451	1/2	98,442
3/4		3/4		3/4	203,033	3/4	188,126	3/4	173,155	3/4	158,151	3/4	143,147	3/4	128,143	3/4	113,138	3/4	98,129
1		1		1	202,724	1	187,815	1	172,843	1	157,839	1	142,834	1	127,830	1	112,826	1	97,817
1/4		1/4		1/4	202,414	1/4	187,503	1/4	172,530	1/4	157,526	1/4	142,522	1/4	127,517	1/4	112,513	1/4	97,504
1/2		1/2		1/2	202,105	1/2	187,191	1/2	172,218	1/2	157,213	1/2	142,209	1/2	127,205	1/2	112,201	1/2	97,191
3/4		3/4		3/4	201,795	3/4	186,880	3/4	171,905	3/4	156,901	3/4	141,897	3/4	126,892	3/4	111,888	3/4	96,878
2		2		2	201,486	2	186,568	2	171,592	2	156,588	2	141,584	2	126,580	2	111,575	2	96,566
1/4		1/4		1/4	201,176	1/4	186,256	1/4	171,280	1/4	156,276	1/4	141,271	1/4	126,267	1/4	111,263	1/4	96,253
1/2		1/2		1/2	200,867	1/2	185,945	1/2	170,967	1/2	155,963	1/2	140,959	1/2	125,955	1/2	110,950	1/2	95,940
3/4		3/4		3/4	200,557	3/4	185,633	3/4	170,655	3/4	155,650	3/4	140,646	3/4	125,642	3/4	110,638	3/4	95,627
3		3		3	200,248	3	185,321	3	170,342	3	155,338	3	140,334	3	125,329	3	110,325	3	95,315
1/4		1/4		1/4	199,938	1/4	185,010	1/4	170,029	1/4	155,025	1/4	140,021	1/4	125,017	1/4	110,013	1/4	95,002
1/2		1/2		1/2	199,629	1/2	184,698	1/2	169,717	1/2	154,713	1/2	139,708	1/2	124,704	1/2	109,700	1/2	94,689
3/4		3/4		3/4	199,319	3/4	184,386	3/4	169,404	3/4	154,400	3/4	139,396	3/4	124,392	3/4	109,387	3/4	94,377
4		4		4	199,010	4	184,074	4	169,092	4	154,087	4	139,083	4	124,079	4	109,075	4	94,064
1/4		1/4		1/4	198,700	1/4	183,763	1/4	168,779	1/4	153,775	1/4	138,771	1/4	123,766	1/4	108,762	1/4	93,751
1/2		1/2		1/2	198,391	1/2	183,451	1/2	168,467	1/2	153,462	1/2	138,458	1/2	123,454	1/2	108,450	1/2	93,438
3/4		3/4		3/4	198,081	3/4	183,139	3/4	168,154	3/4	153,150	3/4	138,145	3/4	123,141	3/4	108,137	3/4	93,126
5		5		5	197,772	5	182,828	5	167,841	5	152,837	5	137,833	5	122,829	5	107,824	5	92,813
1/4		1/4		1/4	197,462	1/4	182,516	1/4	167,529	1/4	152,525	1/4	137,520	1/4	122,516	1/4	107,512	1/4	92,500
1/2		1/2		1/2	197,153	1/2	182,204	1/2	167,216	1/2	152,212	1/2	137,208	1/2	122,203	1/2	107,199	1/2	92,187
3/4		3/4		3/4	196,843	3/4	181,893	3/4	166,904	3/4	151,899	3/4	136,895	3/4	121,891	3/4	106,886	3/4	91,875
6		6		6	196,534	6	181,581	6	166,591	6	151,587	6	136,583	6	121,578	6	106,573	6	91,562
1/4		1/4	210,439	1/4	196,224	1/4	181,269	1/4	166,278	1/4	151,274	1/4	136,270	1/4	121,266	1/4	106,261	1/4	91,249
1/2		1/2	210,224	1/2	195,914	1/2	180,958	1/2	165,966	1/2	150,962	1/2	135,957	1/2	120,953	1/2	105,948	1/2	90,936
3/4		3/4	210,009	3/4	195,604	3/4	180,646	3/4	165,653	3/4	150,649	3/4	135,645	3/4	120,641	3/4	105,635	3/4	90,624
7		7	209,795	7	195,293	7	180,334	7	165,341	7	150,336	7	135,332	7	120,328	7	105,322	7	90,311
1/4		1/4	209,580	1/4	194,983	1/4	180,023	1/4	165,028	1/4	150,024	1/4	135,020	1/4	120,015	1/4	105,010	1/4	89,998
1/2		1/2	209,320	1/2	194,671	1/2	179,711	1/2	164,715	1/2	149,711	1/2	134,707	1/2	119,703	1/2	104,697	1/2	89,685
3/4		3/4	209,061	3/4	194,360	3/4	179,399	3/4	164,403	3/4	149,399	3/4	134,394	3/4	119,390	3/4	104,384	3/4	89,373
8		8	208,802	8	194,048	8	179,088	8	164,090	8	149,086	8	134,082	8	119,078	8	104,071	8	89,060
1/4		1/4	208,542	1/4	193,736	1/4	178,776	1/4	163,778	1/4	148,773	1/4	133,769	1/4	118,765	1/4	103,759	1/4	88,747
1/2		1/2	208,247	1/2	193,425	1/2	178,464	1/2	163,465	1/2	148,461	1/2	133,457	1/2	118,452	1/2	103,446	1/2	88,434
3/4		3/4	207,952	3/4	193,113	3/4	178,153	3/4	163,153	3/4	148,148	3/4	133,144	3/4	118,140	3/4	103,133	3/4	88,122
9		9	207,657	9	192,801	9	177,841	9	162,840	9	147,836	9	132,831	9	117,827	9	102,821	9	87,809
1/4		1/4	207,362	1/4	192,490	1/4	177,529	1/4	162,527	1/4	147,523	1/4	132,519	1/4	117,515	1/4	102,508	1/4	87,496
1/2		1/2	207,054	1/2	192,178	1/2	177,217	1/2	162,215	1/2	147,211	1/2	132,206	1/2	117,202	1/2	102,195	1/2	87,183
3/4		3/4	206,745	3/4	191,866	3/4	176,905	3/4	161,902	3/4	146,898	3/4	131,894	3/4	116,889	3/4	101,882	3/4	86,871
10		10	206,436	10	191,555	10	176,593	10	161,590	10	146,585	10	131,581	10	116,577	10	101,570	10	86,558
1/4		1/4	206,128	1/4	191,243	1/4	176,281	1/4	161,277	1/4	146,273	1/4	131,269	1/4	116,264	1/4	101,257	1/4	86,245
1/2		1/2	205,818	1/2	190,931	1/2	175,969	1/2	160,964	1/2	145,960	1/2	130,956	1/2	115,952	1/2	100,944	1/2	85,933
3/4		3/4	205,509	3/4	190,620	3/4	175,656	3/4	160,652	3/4	145,648	3/4	130,643	3/4	115,639	3/4	100,631	3/4	85,620
11		11	205,200	11	190,308	11	175,343	11	160,339	11	145,335	11	130,331	11	115,327	11	100,319	11	85,307
1/4		1/4	204,890	1/4	189,996	1/4	175,031	1/4	160,027	1/4	145,022	1/4	130,018	1/4	115,014	1/4	100,006	1/4	84,994
1/2		1/2	204,581	1/2	189,685	1/2	174,718	1/2	159,714	1/2	144,710	1/2	129,706	1/2	114,701	1/2	99,693	1/2	84,682
3/4		3/4	204,271	3/4	189,373	3/4	174,406	3/4	159,401	3/4	144,397	3/4	129,393	3/4	114,389	3/4	99,380	3/4	84,369

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF "HERMETIC" VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

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 3024"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 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	84,056	0	69,108	0	54,134	0	39,123	0	24,112	0	9,785	0		0		0		0	
1/4	83,743	1/4	68,798	1/4	53,821	1/4	38,810	1/4	23,799	1/4	9,507	1/4		1/4		1/4		1/4	
1/2	83,431	1/2	68,487	1/2	53,509	1/2	38,498	1/2	23,486	1/2	9,232	1/2		1/2		1/2		1/2	
3/4	83,118	3/4	68,177	3/4	53,196	3/4	38,185	3/4	23,174	3/4	8,957	3/4		3/4		3/4		3/4	
1	82,805	1	67,867	1	52,883	1	37,872	1	22,861	1	8,682	1		1		1		1	
1/4	82,492	1/4	67,556	1/4	52,570	1/4	37,559	1/4	22,548	1/4	8,408	1/4		1/4		1/4		1/4	
1/2	82,180	1/2	67,246	1/2	52,258	1/2	37,247	1/2	22,236	1/2	8,137	1/2		1/2		1/2		1/2	
3/4	81,867	3/4	66,935	3/4	51,945	3/4	36,934	3/4	21,923	3/4	7,866	3/4		3/4		3/4		3/4	
2	81,554	2	66,625	2	51,632	2	36,621	2	21,611	2	7,595	2		2		2		2	
1/4	81,241	1/4	66,315	1/4	51,320	1/4	36,308	1/4	21,299	1/4	7,324	1/4		1/4		1/4		1/4	
1/2	80,929	1/2	66,004	1/2	51,007	1/2	35,996	1/2	20,988	1/2	7,056	1/2		1/2		1/2		1/2	
3/4	80,616	3/4	65,693	3/4	50,694	3/4	35,683	3/4	20,677	3/4	6,789	3/4		3/4		3/4		3/4	
3	80,303	3	65,382	3	50,381	3	35,370	3	20,366	3	6,522	3		3		3		3	
1/4	79,990	1/4	65,071	1/4	50,069	1/4	35,057	1/4	20,056	1/4	6,254	1/4		1/4		1/4		1/4	
1/2	79,678	1/2	64,759	1/2	49,756	1/2	34,745	1/2	19,748	1/2	5,990	1/2		1/2		1/2		1/2	
3/4	79,365	3/4	64,448	3/4	49,443	3/4	34,432	3/4	19,440	3/4	5,727	3/4		3/4		3/4		3/4	
4	79,052	4	64,136	4	49,130	4	34,119	4	19,132	4	5,463	4		4		4		4	
1/4	78,739	1/4	63,824	1/4	48,818	1/4	33,807	1/4	18,825	1/4	5,199	1/4		1/4		1/4		1/4	
1/2	78,427	1/2	63,512	1/2	48,505	1/2	33,494	1/2	18,521	1/2	4,939	1/2		1/2		1/2		1/2	
3/4	78,115	3/4	63,201	3/4	48,192	3/4	33,181	3/4	18,217	3/4	4,679	3/4		3/4		3/4		3/4	
5	77,803	5	62,889	5	47,879	5	32,868	5	17,913	5	4,419	5		5		5		5	
1/4	77,491	1/4	62,577	1/4	47,567	1/4	32,556	1/4	17,609	1/4	4,159	1/4		1/4		1/4		1/4	
1/2	77,180	1/2	62,264	1/2	47,254	1/2	32,243	1/2	17,308	1/2	3,903	1/2		1/2		1/2		1/2	
3/4	76,869	3/4	61,952	3/4	46,941	3/4	31,930	3/4	17,008	3/4	3,647	3/4		3/4		3/4		3/4	
6	76,558	6	61,639	6	46,629	6	31,617	6	16,708	6	3,391	6		6		6		6	
1/4	76,247	1/4	61,327	1/4	46,316	1/4	31,305	1/4	16,407	1/4	3,135	1/4		1/4		1/4		1/4	
1/2	75,936	1/2	61,014	1/2	46,003	1/2	30,992	1/2	16,111	1/2	2,883	1/2		1/2		1/2		1/2	
3/4	75,626	3/4	60,701	3/4	45,690	3/4	30,679	3/4	15,814	3/4	2,631	3/4		3/4		3/4		3/4	
7	75,316	7	60,389	7	45,378	7	30,367	7	15,517	7	2,379	7		7		7		7	
1/4	75,005	1/4	60,076	1/4	45,065	1/4	30,054	1/4	15,220	1/4	2,127	1/4		1/4		1/4		1/4	
1/2	74,695	1/2	59,763	1/2	44,752	1/2	29,741	1/2	14,927	1/2	1,899	1/2		1/2		1/2		1/2	
3/4	74,384	3/4	59,451	3/4	44,439	3/4	29,428	3/4	14,634	3/4	1,670	3/4		3/4		3/4		3/4	
8	74,074	8	59,138	8	44,127	8	29,116	8	14,341	8	1,442	8		8		8		8	
1/4	73,764	1/4	58,825	1/4	43,814	1/4	28,803	1/4	14,048	1/4	1,213	1/4		1/4		1/4		1/4	
1/2	73,453	1/2	58,512	1/2	43,501	1/2	28,490	1/2	13,759	1/2	1,046	1/2		1/2		1/2		1/2	
3/4	73,143	3/4	58,200	3/4	43,189	3/4	28,177	3/4	13,470	3/4	878	3/4		3/4		3/4		3/4	
9	72,833	9	57,887	9	42,876	9	27,865	9	13,180	9	711	9		9		9		9	
1/4	72,522	1/4	57,574	1/4	42,563	1/4	27,552	1/4	12,891	1/4	543	1/4		1/4		1/4		1/4	
1/2	72,212	1/2	57,261	1/2	42,250	1/2	27,239	1/2	12,605	1/2		1/2		1/2		1/2		1/2	
3/4	71,901	3/4	56,949	3/4	41,938	3/4	26,926	3/4	12,320	3/4		3/4		3/4		3/4		3/4	
10	71,591	10	56,636	10	41,625	10	26,614	10	12,034	10		10		10		10		10	
1/4	71,281	1/4	56,323	1/4	41,312	1/4	26,301	1/4	11,748	1/4		1/4		1/4		1/4		1/4	
1/2	70,970	1/2	56,011	1/2	40,999	1/2	25,988	1/2	11,466	1/2		1/2		1/2		1/2		1/2	
3/4	70,660	3/4	55,698	3/4	40,687	3/4	25,676	3/4	11,184	3/4		3/4		3/4		3/4		3/4	
11	70,350	11	55,385	11	40,374	11	25,363	11	10,902	11		11		11		11		11	
1/4	70,039	1/4	55,072	1/4	40,061	1/4	25,050	1/4	10,620	1/4		1/4		1/4		1/4		1/4	
1/2	69,729	1/2	54,760	1/2	39,748	1/2	24,737	1/2	10,342	1/2		1/2		1/2		1/2		1/2	
3/4	69,418	3/4	54,447	3/4	39,436	3/4	24,425	3/4	10,063	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/22/2019 CL
CALCULATED: 05/23/2019 CL
PRINTED: 05/24/2019 JS

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Pearland, Texas 77588
<http://www.dmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019



BARGE "NGL 3024"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	207,651	0	192,656	0	177,594	0	162,498	0	147,401	0	132,304	0	117,207	0	102,106
1/4	1/4	1/4	1/4	1/4	207,339	1/4	192,342	1/4	177,280	1/4	162,183	1/4	147,086	1/4	131,990	1/4	116,893	1/4	101,792
1/2	1/2	1/2	1/2	1/2	207,028	1/2	192,029	1/2	176,965	1/2	161,869	1/2	146,772	1/2	131,675	1/2	116,578	1/2	101,477
3/4	3/4	3/4	3/4	3/4	206,716	3/4	191,715	3/4	176,651	3/4	161,554	3/4	146,457	3/4	131,361	3/4	116,264	3/4	101,162
1		1		1	206,405	1	191,401	1	176,336	1	161,240	1	146,143	1	131,046	1	115,949	1	100,848
1/4	1/4	1/4	1/4	1/4	206,094	1/4	191,088	1/4	176,022	1/4	160,925	1/4	145,828	1/4	130,732	1/4	115,635	1/4	100,533
1/2	1/2	1/2	1/2	1/2	205,782	1/2	190,774	1/2	175,707	1/2	160,611	1/2	145,514	1/2	130,417	1/2	115,320	1/2	100,218
3/4	3/4	3/4	3/4	3/4	205,471	3/4	190,461	3/4	175,393	3/4	160,296	3/4	145,199	3/4	130,103	3/4	115,006	3/4	99,904
2		2		2	205,159	2	190,147	2	175,078	2	159,981	2	144,885	2	129,788	2	114,691	2	99,589
1/4	1/4	1/4	1/4	1/4	204,848	1/4	189,833	1/4	174,764	1/4	159,667	1/4	144,570	1/4	129,474	1/4	114,377	1/4	99,274
1/2	1/2	1/2	1/2	1/2	204,537	1/2	189,520	1/2	174,449	1/2	159,352	1/2	144,256	1/2	129,159	1/2	114,062	1/2	98,960
3/4	3/4	3/4	3/4	3/4	204,225	3/4	189,206	3/4	174,135	3/4	159,038	3/4	143,941	3/4	128,844	3/4	113,748	3/4	98,645
3		3		3	203,914	3	188,893	3	173,820	3	158,723	3	143,627	3	128,530	3	113,433	3	98,330
1/4	1/4	1/4	1/4	1/4	203,602	1/4	188,579	1/4	173,506	1/4	158,409	1/4	143,312	1/4	128,215	1/4	113,119	1/4	98,015
1/2	1/2	1/2	1/2	1/2	203,291	1/2	188,265	1/2	173,191	1/2	158,094	1/2	142,998	1/2	127,901	1/2	112,804	1/2	97,701
3/4	3/4	3/4	3/4	3/4	202,980	3/4	187,952	3/4	172,877	3/4	157,780	3/4	142,683	3/4	127,586	3/4	112,490	3/4	97,386
4		4		4	202,668	4	187,638	4	172,562	4	157,465	4	142,369	4	127,272	4	112,175	4	97,071
1/4	1/4	1/4	1/4	1/4	202,357	1/4	187,325	1/4	172,248	1/4	157,151	1/4	142,054	1/4	126,957	1/4	111,861	1/4	96,757
1/2	1/2	1/2	1/2	1/2	202,045	1/2	187,011	1/2	171,933	1/2	156,836	1/2	141,740	1/2	126,643	1/2	111,546	1/2	96,442
3/4	3/4	3/4	3/4	3/4	201,734	3/4	186,697	3/4	171,619	3/4	156,522	3/4	141,425	3/4	126,328	3/4	111,231	3/4	96,127
5		5		5	201,422	5	186,384	5	171,304	5	156,207	5	141,111	5	126,014	5	109,917	5	95,813
1/4	1/4	1/4	1/4	1/4	201,111	1/4	186,070	1/4	170,990	1/4	155,893	1/4	140,796	1/4	125,699	1/4	109,602	1/4	95,498
1/2	1/2	1/2	1/2	1/2	200,800	1/2	185,757	1/2	170,675	1/2	155,578	1/2	140,482	1/2	125,385	1/2	109,288	1/2	95,183
3/4	3/4	3/4	3/4	3/4	200,488	3/4	185,443	3/4	170,360	3/4	155,264	3/4	140,167	3/4	125,070	3/4	109,973	3/4	94,869
6		6	214,479	6	200,177	6	185,129	6	170,046	6	154,949	6	139,853	6	124,756	6	109,658	6	94,554
1/4	1/4	1/4	214,263	1/4	199,865	1/4	184,816	1/4	169,731	1/4	154,635	1/4	139,538	1/4	124,441	1/4	109,344	1/4	94,239
1/2	1/2	1/2	214,047	1/2	199,552	1/2	184,502	1/2	169,417	1/2	154,320	1/2	139,223	1/2	124,127	1/2	109,029	1/2	93,925
3/4	3/4	3/4	213,831	3/4	199,240	3/4	184,189	3/4	169,102	3/4	154,006	3/4	138,909	3/4	123,812	3/4	108,714	3/4	93,610
7		7	213,615	7	198,928	7	183,875	7	168,788	7	153,691	7	138,594	7	123,498	7	108,400	7	93,295
1/4	1/4	1/4	213,354	1/4	198,614	1/4	183,561	1/4	168,473	1/4	153,377	1/4	138,280	1/4	123,183	1/4	108,085	1/4	92,981
1/2	1/2	1/2	213,093	1/2	198,301	1/2	183,248	1/2	168,159	1/2	153,062	1/2	137,965	1/2	122,869	1/2	107,770	1/2	92,666
3/4	3/4	3/4	212,832	3/4	197,987	3/4	182,934	3/4	167,844	3/4	152,748	3/4	137,651	3/4	122,554	3/4	107,456	3/4	92,351
8		8	212,571	8	197,674	8	182,621	8	167,530	8	152,433	8	137,336	8	122,240	8	107,141	8	92,037
1/4	1/4	1/4	212,274	1/4	197,360	1/4	182,307	1/4	167,215	1/4	152,119	1/4	137,022	1/4	121,925	1/4	106,826	1/4	91,722
1/2	1/2	1/2	211,977	1/2	197,046	1/2	181,993	1/2	166,901	1/2	151,804	1/2	136,707	1/2	121,611	1/2	106,512	1/2	91,407
3/4	3/4	3/4	211,680	3/4	196,733	3/4	181,680	3/4	166,586	3/4	151,490	3/4	136,393	3/4	121,296	3/4	106,197	3/4	91,093
9		9	211,384	9	196,419	9	181,366	9	166,272	9	151,175	9	136,078	9	120,982	9	105,882	9	90,778
1/4	1/4	1/4	211,073	1/4	196,106	1/4	181,052	1/4	165,957	1/4	150,861	1/4	135,764	1/4	120,667	1/4	105,568	1/4	90,463
1/2	1/2	1/2	210,763	1/2	195,792	1/2	180,738	1/2	165,643	1/2	150,546	1/2	135,449	1/2	120,353	1/2	105,253	1/2	90,149
3/4	3/4	3/4	210,452	3/4	195,478	3/4	180,424	3/4	165,328	3/4	150,232	3/4	135,135	3/4	120,038	3/4	104,938	3/4	89,834
10		10	210,142	10	195,165	10	180,110	10	165,014	10	149,917	10	134,820	10	119,724	10	104,624	10	89,519
1/4	1/4	1/4	209,830	1/4	194,851	1/4	179,796	1/4	164,699	1/4	149,602	1/4	134,506	1/4	119,409	1/4	104,309	1/4	89,205
1/2	1/2	1/2	209,519	1/2	194,538	1/2	179,481	1/2	164,385	1/2	149,288	1/2	134,191	1/2	119,095	1/2	103,994	1/2	88,890
3/4	3/4	3/4	209,208	3/4	194,224	3/4	179,167	3/4	164,070	3/4	148,973	3/4	133,877	3/4	118,780	3/4	103,680	3/4	88,575
11		11	208,897	11	193,910	11	178,852	11	163,756	11	148,659	11	133,562	11	118,465	11	103,365	11	88,261
1/4	1/4	1/4	208,585	1/4	193,597	1/4	178,538	1/4	163,441	1/4	148,344	1/4	133,248	1/4	118,151	1/4	103,050	1/4	87,946
1/2	1/2	1/2	208,274	1/2	193,283	1/2	178,223	1/2	163,127	1/2	148,030	1/2	132,933	1/2	117,836	1/2	102,736	1/2	87,631
3/4	3/4	3/4	207,962	3/4	192,970	3/4	177,909	3/4	162,812	3/4	147,715	3/4	132,619	3/4	117,522	3/4	102,421	3/4	87,317

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "NGL 3024"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE 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	87,002	0	71,898	0	56,794	0	41,704	0	26,609	0	11,505	0		0		0		0	
1/4	86,687	1/4	71,583	1/4	56,479	1/4	41,390	1/4	26,294	1/4	11,190	1/4		1/4		1/4		1/4	
1/2	86,373	1/2	71,269	1/2	56,165	1/2	41,076	1/2	25,979	1/2	10,876	1/2		1/2		1/2		1/2	
3/4	86,058	3/4	70,954	3/4	55,850	3/4	40,762	3/4	25,665	3/4	10,561	3/4		3/4		3/4		3/4	
1	85,743	1	70,639	1	55,535	1	40,448	1	25,350	1	10,246	1		1		1		1	
1/4	85,429	1/4	70,325	1/4	55,221	1/4	40,134	1/4	25,035	1/4	9,932	1/4		1/4		1/4		1/4	
1/2	85,114	1/2	70,010	1/2	54,906	1/2	39,820	1/2	24,721	1/2	9,617	1/2		1/2		1/2		1/2	
3/4	84,799	3/4	69,695	3/4	54,591	3/4	39,506	3/4	24,406	3/4	9,302	3/4		3/4		3/4		3/4	
2	84,485	2	69,381	2	54,277	2	39,192	2	24,091	2	8,988	2		2		2		2	
1/4	84,170	1/4	69,066	1/4	53,962	1/4	38,878	1/4	23,777	1/4	8,673	1/4		1/4		1/4		1/4	
1/2	83,855	1/2	68,751	1/2	53,647	1/2	38,564	1/2	23,462	1/2	8,359	1/2		1/2		1/2		1/2	
3/4	83,541	3/4	68,437	3/4	53,333	3/4	38,250	3/4	23,147	3/4	8,044	3/4		3/4		3/4		3/4	
3	83,226	3	68,122	3	53,018	3	37,935	3	22,833	3	7,729	3		3		3		3	
1/4	82,911	1/4	67,807	1/4	52,703	1/4	37,621	1/4	22,518	1/4	7,415	1/4		1/4		1/4		1/4	
1/2	82,597	1/2	67,493	1/2	52,389	1/2	37,307	1/2	22,204	1/2	7,100	1/2		1/2		1/2		1/2	
3/4	82,282	3/4	67,178	3/4	52,074	3/4	36,992	3/4	21,889	3/4	6,785	3/4		3/4		3/4		3/4	
4	81,967	4	66,863	4	51,759	4	36,678	4	21,574	4	6,471	4		4		4		4	
1/4	81,653	1/4	66,549	1/4	51,445	1/4	36,363	1/4	21,260	1/4	6,156	1/4		1/4		1/4		1/4	
1/2	81,338	1/2	66,234	1/2	51,130	1/2	36,049	1/2	20,945	1/2	5,841	1/2		1/2		1/2		1/2	
3/4	81,023	3/4	65,919	3/4	50,815	3/4	35,734	3/4	20,630	3/4	5,527	3/4		3/4		3/4		3/4	
5	80,709	5	65,605	5	50,501	5	35,419	5	20,316	5	5,212	5		5		5		5	
1/4	80,394	1/4	65,290	1/4	50,186	1/4	35,105	1/4	20,001	1/4	4,898	1/4		1/4		1/4		1/4	
1/2	80,079	1/2	64,975	1/2	49,872	1/2	34,790	1/2	19,686	1/2	4,583	1/2		1/2		1/2		1/2	
3/4	79,765	3/4	64,661	3/4	49,557	3/4	34,475	3/4	19,372	3/4	4,269	3/4		3/4		3/4		3/4	
6	79,450	6	64,346	6	49,243	6	34,161	6	19,057	6	3,954	6		6		6		6	
1/4	79,135	1/4	64,031	1/4	48,928	1/4	33,846	1/4	18,742	1/4	3,640	1/4		1/4		1/4		1/4	
1/2	78,821	1/2	63,717	1/2	48,614	1/2	33,531	1/2	18,428	1/2	3,327	1/2		1/2		1/2		1/2	
3/4	78,506	3/4	63,402	3/4	48,300	3/4	33,217	3/4	18,113	3/4	3,013	3/4		3/4		3/4		3/4	
7	78,191	7	63,087	7	47,986	7	32,902	7	17,798	7	2,699	7		7		7		7	
1/4	77,877	1/4	62,773	1/4	47,672	1/4	32,587	1/4	17,484	1/4	2,405	1/4		1/4		1/4		1/4	
1/2	77,562	1/2	62,458	1/2	47,358	1/2	32,273	1/2	17,169	1/2	2,111	1/2		1/2		1/2		1/2	
3/4	77,247	3/4	62,143	3/4	47,044	3/4	31,958	3/4	16,854	3/4	1,817	3/4		3/4		3/4		3/4	
8	76,933	8	61,829	8	46,730	8	31,643	8	16,540	8	1,523	8		8		8		8	
1/4	76,618	1/4	61,514	1/4	46,416	1/4	31,329	1/4	16,225	1/4	1,300	1/4		1/4		1/4		1/4	
1/2	76,303	1/2	61,199	1/2	46,101	1/2	31,014	1/2	15,910	1/2	1,077	1/2		1/2		1/2		1/2	
3/4	75,989	3/4	60,885	3/4	45,787	3/4	30,699	3/4	15,596	3/4	854	3/4		3/4		3/4		3/4	
9	75,674	9	60,570	9	45,473	9	30,385	9	15,281	9	632	9		9		9		9	
1/4	75,359	1/4	60,255	1/4	45,159	1/4	30,070	1/4	14,966	1/4		1/4		1/4		1/4		1/4	
1/2	75,045	1/2	59,941	1/2	44,845	1/2	29,755	1/2	14,652	1/2		1/2		1/2		1/2		1/2	
3/4	74,730	3/4	59,626	3/4	44,531	3/4	29,441	3/4	14,337	3/4		3/4		3/4		3/4		3/4	
10	74,415	10	59,311	10	44,217	10	29,126	10	14,022	10		10		10		10		10	
1/4	74,101	1/4	58,997	1/4	43,903	1/4	28,811	1/4	13,708	1/4		1/4		1/4		1/4		1/4	
1/2	73,786	1/2	58,682	1/2	43,589	1/2	28,497	1/2	13,393	1/2		1/2		1/2		1/2		1/2	
3/4	73,471	3/4	58,367	3/4	43,275	3/4	28,182	3/4	13,078	3/4		3/4		3/4		3/4		3/4	
11	73,157	11	58,053	11	42,961	11	27,867	11	12,764	11		11		11		11		11	
1/4	72,842	1/4	57,738	1/4	42,647	1/4	27,553	1/4	12,449	1/4		1/4		1/4		1/4		1/4	
1/2	72,527	1/2	57,423	1/2	42,333	1/2	27,238	1/2	12,134	1/2		1/2		1/2		1/2		1/2	
3/4	72,213	3/4	57,109	3/4	42,019	3/4	26,923	3/4	11,820	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/22/2019 CL
CALCULATED: 05/23/2019 CL
PRINTED: 05/24/2019 JS

PRECISION MEASUREMENT
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CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019



BARGE "NGL 3024"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE 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		0	207,130	0	192,131	0	177,066	0	161,966	0	146,865	0	131,765	0	116,664	0	101,560
1/4		1/4		1/4	206,818	1/4	191,817	1/4	176,751	1/4	161,651	1/4	146,551	1/4	131,450	1/4	116,350	1/4	101,245
1/2		1/2		1/2	206,507	1/2	191,504	1/2	176,437	1/2	161,336	1/2	146,236	1/2	131,136	1/2	116,035	1/2	100,930
3/4		3/4		3/4	206,195	3/4	191,190	3/4	176,122	3/4	161,022	3/4	145,921	3/4	130,821	3/4	115,721	3/4	100,615
1		1		1	205,884	1	190,876	1	175,808	1	160,707	1	145,607	1	130,506	1	115,406	1	100,301
1/4		1/4		1/4	205,572	1/4	190,563	1/4	175,493	1/4	160,393	1/4	145,292	1/4	130,192	1/4	115,091	1/4	99,986
1/2		1/2		1/2	205,261	1/2	190,249	1/2	175,178	1/2	160,078	1/2	144,978	1/2	129,877	1/2	114,777	1/2	99,671
3/4		3/4		3/4	204,949	3/4	189,935	3/4	174,864	3/4	159,763	3/4	144,663	3/4	129,563	3/4	114,462	3/4	99,356
2		2		2	204,638	2	189,622	2	174,549	2	159,449	2	144,348	2	129,248	2	114,148	2	99,042
1/4		1/4		1/4	204,326	1/4	189,308	1/4	174,235	1/4	159,134	1/4	144,034	1/4	128,933	1/4	113,833	1/4	98,727
1/2		1/2		1/2	204,015	1/2	188,994	1/2	173,920	1/2	158,820	1/2	143,719	1/2	128,619	1/2	113,518	1/2	98,412
3/4		3/4		3/4	203,703	3/4	188,681	3/4	173,605	3/4	158,505	3/4	143,405	3/4	128,304	3/4	113,204	3/4	98,097
3		3		3	203,392	3	188,367	3	173,291	3	158,190	3	143,090	3	127,990	3	112,889	3	97,783
1/4		1/4		1/4	203,080	1/4	188,053	1/4	172,976	1/4	157,876	1/4	142,775	1/4	127,675	1/4	112,575	1/4	97,468
1/2		1/2		1/2	202,769	1/2	187,740	1/2	172,662	1/2	157,561	1/2	142,461	1/2	127,361	1/2	112,260	1/2	97,153
3/4		3/4		3/4	202,457	3/4	187,426	3/4	172,347	3/4	157,247	3/4	142,146	3/4	127,046	3/4	111,946	3/4	96,838
4		4		4	202,146	4	187,112	4	172,032	4	156,932	4	141,832	4	126,731	4	111,631	4	96,524
1/4		1/4		1/4	201,834	1/4	186,799	1/4	171,718	1/4	156,618	1/4	141,517	1/4	126,417	1/4	111,316	1/4	96,209
1/2		1/2		1/2	201,523	1/2	186,485	1/2	171,403	1/2	156,303	1/2	141,203	1/2	126,102	1/2	111,002	1/2	95,894
3/4		3/4		3/4	201,211	3/4	186,171	3/4	171,089	3/4	155,988	3/4	140,888	3/4	125,788	3/4	110,687	3/4	95,579
5		5		5	200,900	5	185,858	5	170,774	5	155,674	5	140,573	5	125,473	5	110,372	5	95,265
1/4		1/4		1/4	200,588	1/4	185,544	1/4	170,460	1/4	155,359	1/4	140,259	1/4	125,158	1/4	110,058	1/4	94,950
1/2		1/2		1/2	200,277	1/2	185,230	1/2	170,145	1/2	155,045	1/2	139,944	1/2	124,844	1/2	109,743	1/2	94,635
3/4		3/4		3/4	199,965	3/4	184,917	3/4	169,830	3/4	154,730	3/4	139,630	3/4	124,529	3/4	109,428	3/4	94,320
6		6	213,960	6	199,654	6	184,603	6	169,516	6	154,415	6	139,315	6	124,215	6	109,113	6	94,006
1/4		1/4	213,744	1/4	199,342	1/4	184,289	1/4	169,201	1/4	154,101	1/4	139,000	1/4	123,900	1/4	108,799	1/4	93,691
1/2		1/2	213,528	1/2	199,029	1/2	183,976	1/2	168,887	1/2	153,786	1/2	138,686	1/2	123,585	1/2	108,484	1/2	93,376
3/4		3/4	213,311	3/4	198,717	3/4	183,662	3/4	168,572	3/4	153,472	3/4	138,371	3/4	123,271	3/4	108,169	3/4	93,061
7		7	213,095	7	198,405	7	183,348	7	168,257	7	153,157	7	138,057	7	122,956	7	107,854	7	92,747
1/4		1/4	212,834	1/4	198,091	1/4	183,035	1/4	167,943	1/4	152,842	1/4	137,742	1/4	122,642	1/4	107,540	1/4	92,432
1/2		1/2	212,573	1/2	197,777	1/2	182,721	1/2	167,628	1/2	152,528	1/2	137,427	1/2	122,327	1/2	107,225	1/2	92,117
3/4		3/4	212,312	3/4	197,464	3/4	182,407	3/4	167,314	3/4	152,213	3/4	137,113	3/4	122,012	3/4	106,910	3/4	91,802
8		8	212,051	8	197,150	8	182,093	8	166,999	8	151,899	8	136,798	8	121,698	8	106,595	8	91,488
1/4		1/4	211,754	1/4	196,836	1/4	181,780	1/4	166,684	1/4	151,584	1/4	136,484	1/4	121,383	1/4	106,281	1/4	91,173
1/2		1/2	211,457	1/2	196,523	1/2	181,466	1/2	166,370	1/2	151,269	1/2	136,169	1/2	121,069	1/2	105,966	1/2	90,858
3/4		3/4	211,160	3/4	196,209	3/4	181,152	3/4	166,055	3/4	150,955	3/4	135,854	3/4	120,754	3/4	105,651	3/4	90,543
9		9	210,863	9	195,895	9	180,839	9	165,741	9	150,640	9	135,540	9	120,440	9	105,336	9	90,229
1/4		1/4	210,553	1/4	195,582	1/4	180,525	1/4	165,426	1/4	150,326	1/4	135,225	1/4	120,125	1/4	105,022	1/4	89,914
1/2		1/2	210,242	1/2	195,268	1/2	180,211	1/2	165,111	1/2	150,011	1/2	134,911	1/2	119,810	1/2	104,707	1/2	89,599
3/4		3/4	209,932	3/4	194,954	3/4	179,897	3/4	164,797	3/4	149,696	3/4	134,596	3/4	119,496	3/4	104,392	3/4	89,284
10		10	209,621	10	194,641	10	179,583	10	164,482	10	149,382	10	134,282	10	119,181	10	104,077	10	88,970
1/4		1/4	209,310	1/4	194,327	1/4	179,268	1/4	164,168	1/4	149,067	1/4	133,967	1/4	118,867	1/4	103,763	1/4	88,655
1/2		1/2	208,998	1/2	194,013	1/2	178,953	1/2	163,853	1/2	148,753	1/2	133,652	1/2	118,552	1/2	103,448	1/2	88,340
3/4		3/4	208,687	3/4	193,700	3/4	178,639	3/4	163,539	3/4	148,438	3/4	133,338	3/4	118,237	3/4	103,133	3/4	88,026
11		11	208,376	11	193,386	11	178,324	11	163,224	11	148,124	11	133,023	11	117,923	11	102,818	11	87,711
1/4		1/4	208,064	1/4	193,072	1/4	178,010	1/4	162,909	1/4	147,809	1/4	132,709	1/4	117,608	1/4	102,504	1/4	87,396
1/2		1/2	207,753	1/2	192,759	1/2	177,695	1/2	162,595	1/2	147,494	1/2	132,394	1/2	117,294	1/2	102,189	1/2	87,081
3/4		3/4	207,441	3/4	192,445	3/4	177,381	3/4	162,280	3/4	147,180	3/4	132,079	3/4	116,979	3/4	101,874	3/4	86,767

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "NGL 3024"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE 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	86,452	0	71,504	0	56,677	0	41,715	0	26,615	0	11,508	0		0		0		0	
1/4	86,137	1/4	71,195	1/4	56,368	1/4	41,400	1/4	26,300	1/4	11,193	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,822	1/2	70,887	1/2	56,059	1/2	41,086	1/2	25,986	1/2	10,878	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,508	3/4	70,578	3/4	55,750	3/4	40,772	3/4	25,671	3/4	10,564	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	85,193	1	70,269	1	55,441	1	40,458	1	25,356	1	10,249	1	1	1	1	1	1	1	1
1/4	84,878	1/4	69,960	1/4	55,132	1/4	40,144	1/4	25,041	1/4	9,934	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,563	1/2	69,651	1/2	54,823	1/2	39,830	1/2	24,727	1/2	9,619	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,249	3/4	69,342	3/4	54,514	3/4	39,516	3/4	24,412	3/4	9,305	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	83,934	2	69,033	2	54,205	2	39,201	2	24,097	2	8,990	2	2	2	2	2	2	2	2
1/4	83,619	1/4	68,724	1/4	53,896	1/4	38,887	1/4	23,783	1/4	8,675	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,304	1/2	68,415	1/2	53,587	1/2	38,573	1/2	23,468	1/2	8,361	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,990	3/4	68,106	3/4	53,278	3/4	38,259	3/4	23,153	3/4	8,046	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	82,675	3	67,797	3	52,970	3	37,945	3	22,838	3	7,731	3	3	3	3	3	3	3	3
1/4	82,360	1/4	67,489	1/4	52,661	1/4	37,630	1/4	22,524	1/4	7,416	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,045	1/2	67,180	1/2	52,352	1/2	37,316	1/2	22,209	1/2	7,102	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,731	3/4	66,871	3/4	52,043	3/4	37,001	3/4	21,894	3/4	6,787	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	81,416	4	66,562	4	51,734	4	36,687	4	21,579	4	6,472	4	4	4	4	4	4	4	4
1/4	81,102	1/4	66,253	1/4	51,425	1/4	36,372	1/4	21,265	1/4	6,157	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,789	1/2	65,944	1/2	51,116	1/2	36,057	1/2	20,950	1/2	5,843	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,475	3/4	65,635	3/4	50,807	3/4	35,742	3/4	20,635	3/4	5,528	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	80,161	5	65,326	5	50,498	5	35,428	5	20,320	5	5,213	5	5	5	5	5	5	5	5
1/4	79,851	1/4	65,017	1/4	50,187	1/4	35,113	1/4	20,006	1/4	4,899	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,540	1/2	64,708	1/2	49,876	1/2	34,798	1/2	19,691	1/2	4,584	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,229	3/4	64,399	3/4	49,565	3/4	34,484	3/4	19,376	3/4	4,270	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	78,918	6	64,090	6	49,255	6	34,169	6	19,062	6	3,955	6	6	6	6	6	6	6	6
1/4	78,609	1/4	63,782	1/4	48,940	1/4	33,854	1/4	18,747	1/4	3,641	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,301	1/2	63,473	1/2	48,626	1/2	33,539	1/2	18,432	1/2	3,327	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,992	3/4	63,164	3/4	48,312	3/4	33,225	3/4	18,117	3/4	3,014	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	77,683	7	62,855	7	47,998	7	32,910	7	17,803	7	2,700	7	7	7	7	7	7	7	7
1/4	77,374	1/4	62,546	1/4	47,683	1/4	32,595	1/4	17,488	1/4	2,406	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,065	1/2	62,237	1/2	47,369	1/2	32,280	1/2	17,173	1/2	2,112	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,756	3/4	61,928	3/4	47,055	3/4	31,966	3/4	16,858	3/4	1,817	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	76,447	8	61,619	8	46,741	8	31,651	8	16,544	8	1,523	8	8	8	8	8	8	8	8
1/4	76,138	1/4	61,310	1/4	46,427	1/4	31,336	1/4	16,229	1/4	1,300	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,829	1/2	61,001	1/2	46,113	1/2	31,021	1/2	15,914	1/2	1,078	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,520	3/4	60,692	3/4	45,798	3/4	30,707	3/4	15,599	3/4	855	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	75,211	9	60,384	9	45,484	9	30,392	9	15,285	9	632	9	9	9	9	9	9	9	9
1/4	74,902	1/4	60,075	1/4	45,170	1/4	30,077	1/4	14,970	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,594	1/2	59,766	1/2	44,856	1/2	29,763	1/2	14,655	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,285	3/4	59,457	3/4	44,542	3/4	29,448	3/4	14,341	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	73,976	10	59,148	10	44,228	10	29,133	10	14,026	10	10	10	10	10	10	10	10	10	10
1/4	73,667	1/4	58,839	1/4	43,914	1/4	28,818	1/4	13,711	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,358	1/2	58,530	1/2	43,599	1/2	28,504	1/2	13,396	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,049	3/4	58,221	3/4	43,285	3/4	28,189	3/4	13,082	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	72,740	11	57,912	11	42,971	11	27,874	11	12,767	11	11	11	11	11	11	11	11	11	11
1/4	72,431	1/4	57,603	1/4	42,657	1/4	27,559	1/4	12,452	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,122	1/2	57,294	1/2	42,343	1/2	27,245	1/2	12,137	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,813	3/4	56,985	3/4	42,029	3/4	26,930	3/4	11,823	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/22/2019 CL
CALCULATED: 05/23/2019 CL
PRINTED: 05/24/2019 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019



BARGE "NGL 3024"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 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	190,683	0	180,381	0	170,032	0	159,657	0	147,230	0	132,239	0	117,231	0	102,213
1/4		1/4		1/4	190,469	1/4	180,166	1/4	169,815	1/4	159,441	1/4	146,920	1/4	131,926	1/4	116,918	1/4	101,900
1/2		1/2		1/2	190,255	1/2	179,950	1/2	169,599	1/2	159,225	1/2	146,609	1/2	131,614	1/2	116,606	1/2	101,587
3/4		3/4		3/4	190,041	3/4	179,735	3/4	169,383	3/4	159,009	3/4	146,298	3/4	131,301	3/4	116,293	3/4	101,274
1		1		1	189,827	1	179,519	1	169,167	1	158,793	1	145,987	1	130,988	1	115,980	1	100,961
1/4		1/4		1/4	189,613	1/4	179,304	1/4	168,951	1/4	158,577	1/4	145,677	1/4	130,676	1/4	115,668	1/4	100,648
1/2		1/2		1/2	189,399	1/2	179,088	1/2	168,735	1/2	158,360	1/2	145,366	1/2	130,363	1/2	115,355	1/2	100,335
3/4		3/4		3/4	189,185	3/4	178,873	3/4	168,519	3/4	158,135	3/4	145,054	3/4	130,050	3/4	115,042	3/4	100,022
2		2		2	188,971	2	178,657	2	168,303	2	157,910	2	144,743	2	129,738	2	114,730	2	99,709
1/4		1/4		1/4	188,757	1/4	178,442	1/4	168,086	1/4	157,685	1/4	144,431	1/4	129,425	1/4	114,417	1/4	99,396
1/2		1/2		1/2	188,543	1/2	178,226	1/2	167,870	1/2	157,459	1/2	144,120	1/2	129,112	1/2	114,104	1/2	99,083
3/4		3/4		3/4	188,329	3/4	178,010	3/4	167,654	3/4	157,219	3/4	143,807	3/4	128,800	3/4	113,792	3/4	98,770
3		3		3	188,115	3	177,795	3	167,438	3	156,979	3	143,495	3	128,487	3	113,479	3	98,457
1/4		1/4		1/4	187,901	1/4	177,579	1/4	167,222	1/4	156,738	1/4	143,182	1/4	128,174	1/4	113,166	1/4	98,143
1/2		1/2		1/2	187,687	1/2	177,364	1/2	167,006	1/2	156,498	1/2	142,869	1/2	127,862	1/2	112,854	1/2	97,830
3/4		3/4		3/4	187,473	3/4	177,148	3/4	166,790	3/4	156,258	3/4	142,557	3/4	127,549	3/4	112,541	3/4	97,517
4		4		4	187,259	4	176,933	4	166,573	4	156,017	4	142,244	4	127,236	4	112,228	4	97,204
1/4		1/4		1/4	187,045	1/4	176,717	1/4	166,357	1/4	155,777	1/4	141,931	1/4	126,924	1/4	111,916	1/4	96,891
1/2		1/2		1/2	186,831	1/2	176,502	1/2	166,141	1/2	155,536	1/2	141,619	1/2	126,611	1/2	111,603	1/2	96,578
3/4		3/4		3/4	186,617	3/4	176,286	3/4	165,925	3/4	155,296	3/4	141,306	3/4	126,298	3/4	111,290	3/4	96,265
5		5		5	186,403	5	176,071	5	165,709	5	155,056	5	140,993	5	125,986	5	110,978	5	95,952
1/4		1/4		1/4	186,189	1/4	175,855	1/4	165,493	1/4	154,815	1/4	140,681	1/4	125,673	1/4	110,665	1/4	95,639
1/2		1/2		1/2	185,975	1/2	175,640	1/2	165,277	1/2	154,575	1/2	140,368	1/2	125,360	1/2	110,352	1/2	95,326
3/4		3/4		3/4	185,761	3/4	175,424	3/4	165,061	3/4	154,334	3/4	140,055	3/4	125,048	3/4	110,039	3/4	95,013
6		6		6	185,547	6	175,209	6	164,844	6	154,094	6	139,743	6	124,735	6	109,727	6	94,700
1/4		1/4		1/4	185,333	1/4	174,993	1/4	164,628	1/4	153,854	1/4	139,430	1/4	124,422	1/4	109,414	1/4	94,387
1/2		1/2		1/2	194,748	1/2	185,119	1/2	174,778	1/2	164,412	1/2	153,613	1/2	139,117	1/2	109,101	1/2	94,074
3/4		3/4		3/4	194,629	3/4	184,904	3/4	174,562	3/4	164,196	3/4	153,373	3/4	138,805	3/4	108,788	3/4	93,761
7		7		7	194,510	7	184,690	7	174,347	7	163,980	7	153,132	7	138,492	7	108,475	7	93,447
1/4		1/4		1/4	194,391	1/4	184,475	1/4	174,131	1/4	163,764	1/4	152,892	1/4	138,179	1/4	108,162	1/4	93,134
1/2		1/2		1/2	194,272	1/2	184,261	1/2	173,916	1/2	163,548	1/2	152,652	1/2	137,867	1/2	107,849	1/2	92,821
3/4		3/4		3/4	194,108	3/4	184,045	3/4	173,700	3/4	163,331	3/4	152,385	3/4	137,554	3/4	107,536	3/4	92,508
8		8		8	193,944	8	183,830	8	173,484	8	163,115	8	152,118	8	137,241	8	107,222	8	92,195
1/4		1/4		1/4	193,781	1/4	183,614	1/4	173,269	1/4	162,899	1/4	151,851	1/4	136,929	1/4	106,909	1/4	91,882
1/2		1/2		1/2	193,617	1/2	183,399	1/2	173,053	1/2	162,683	1/2	151,584	1/2	136,616	1/2	106,596	1/2	91,569
3/4		3/4		3/4	193,417	3/4	183,183	3/4	172,838	3/4	162,467	3/4	151,273	3/4	136,303	3/4	106,283	3/4	91,256
9		9		9	193,218	9	182,967	9	172,622	9	162,251	9	150,962	9	135,991	9	105,970	9	90,943
1/4		1/4		1/4	193,018	1/4	182,752	1/4	172,407	1/4	162,035	1/4	150,651	1/4	135,678	1/4	105,657	1/4	90,630
1/2		1/2		1/2	192,819	1/2	182,536	1/2	172,191	1/2	161,819	1/2	150,340	1/2	135,365	1/2	105,344	1/2	90,317
3/4		3/4		3/4	192,606	3/4	182,321	3/4	171,976	3/4	161,602	3/4	150,029	3/4	135,053	3/4	105,031	3/4	90,004
10		10		10	192,393	10	182,105	10	171,760	10	161,386	10	149,718	10	134,740	10	104,718	10	89,691
1/4		1/4		1/4	192,180	1/4	181,890	1/4	171,544	1/4	161,170	1/4	149,407	1/4	134,427	1/4	104,405	1/4	89,378
1/2		1/2		1/2	191,967	1/2	181,674	1/2	171,328	1/2	160,954	1/2	149,096	1/2	134,115	1/2	104,092	1/2	89,064
3/4		3/4		3/4	191,753	3/4	181,459	3/4	171,112	3/4	160,738	3/4	148,785	3/4	133,802	3/4	103,779	3/4	88,751
11		11		11	191,539	11	181,243	11	170,896	11	160,522	11	148,474	11	133,490	11	103,466	11	88,438
1/4		1/4		1/4	191,325	1/4	181,028	1/4	170,680	1/4	160,306	1/4	148,163	1/4	133,177	1/4	103,153	1/4	88,125
1/2		1/2		1/2	191,111	1/2	180,812	1/2	170,464	1/2	160,089	1/2	147,852	1/2	132,864	1/2	102,839	1/2	87,812
3/4		3/4		3/4	190,897	3/4	180,597	3/4	170,248	3/4	159,873	3/4	147,541	3/4	132,552	3/4	102,526	3/4	87,499

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF "HERMETIC" VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

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 3024"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	87,186	0	72,159	0	57,131	0	42,118	0	27,100	0	12,073	0		0		0		0	
1/4	86,873	1/4	71,846	1/4	56,818	1/4	41,805	1/4	26,787	1/4	11,760	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,560	1/2	71,533	1/2	56,505	1/2	41,493	1/2	26,474	1/2	11,447	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,247	3/4	71,220	3/4	56,192	3/4	41,180	3/4	26,161	3/4	11,134	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	85,934	1	70,906	1	55,879	1	40,868	1	25,848	1	10,821	1	1	1	1	1	1	1	1
1/4	85,621	1/4	70,593	1/4	55,566	1/4	40,555	1/4	25,534	1/4	10,508	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,308	1/2	70,280	1/2	55,253	1/2	40,243	1/2	25,221	1/2	10,195	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,995	3/4	69,967	3/4	54,940	3/4	39,930	3/4	24,908	3/4	9,881	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	84,682	2	69,654	2	54,627	2	39,618	2	24,595	2	9,568	2	2	2	2	2	2	2	2
1/4	84,368	1/4	69,341	1/4	54,314	1/4	39,305	1/4	24,282	1/4	9,255	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,055	1/2	69,028	1/2	54,001	1/2	38,993	1/2	23,969	1/2	8,942	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,742	3/4	68,715	3/4	53,688	3/4	38,680	3/4	23,656	3/4	8,629	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	83,429	3	68,402	3	53,375	3	38,368	3	23,343	3	8,316	3	3	3	3	3	3	3	3
1/4	83,116	1/4	68,089	1/4	53,062	1/4	38,055	1/4	23,030	1/4	8,003	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,803	1/2	67,776	1/2	52,749	1/2	37,743	1/2	22,717	1/2	7,690	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,490	3/4	67,463	3/4	52,435	3/4	37,430	3/4	22,404	3/4	7,377	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	82,177	4	67,150	4	52,122	4	37,117	4	22,091	4	7,064	4	4	4	4	4	4	4	4
1/4	81,864	1/4	66,837	1/4	51,809	1/4	36,804	1/4	21,778	1/4	6,751	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,551	1/2	66,524	1/2	51,496	1/2	36,492	1/2	21,465	1/2	6,438	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,238	3/4	66,210	3/4	51,183	3/4	36,178	3/4	21,152	3/4	6,125	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	80,925	5	65,897	5	50,870	5	35,865	5	20,839	5	5,812	5	5	5	5	5	5	5	5
1/4	80,612	1/4	65,584	1/4	50,557	1/4	35,552	1/4	20,526	1/4	5,499	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,299	1/2	65,271	1/2	50,244	1/2	35,239	1/2	20,212	1/2	5,186	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,985	3/4	64,958	3/4	49,931	3/4	34,926	3/4	19,899	3/4	4,873	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	79,672	6	64,645	6	49,618	6	34,613	6	19,586	6	4,560	6	6	6	6	6	6	6	6
1/4	79,359	1/4	64,332	1/4	49,305	1/4	34,300	1/4	19,273	1/4	4,247	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,046	1/2	64,019	1/2	48,992	1/2	33,987	1/2	18,960	1/2	3,934	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,733	3/4	63,706	3/4	48,680	3/4	33,674	3/4	18,647	3/4	3,622	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	78,420	7	63,393	7	48,367	7	33,361	7	18,334	7	3,310	7	7	7	7	7	7	7	7
1/4	78,107	1/4	63,080	1/4	48,055	1/4	33,048	1/4	18,021	1/4	2,998	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,794	1/2	62,767	1/2	47,742	1/2	32,735	1/2	17,708	1/2	2,685	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,481	3/4	62,454	3/4	47,430	3/4	32,422	3/4	17,395	3/4	2,393	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	77,168	8	62,141	8	47,117	8	32,109	8	17,082	8	2,100	8	8	8	8	8	8	8	8
1/4	76,855	1/4	61,828	1/4	46,805	1/4	31,796	1/4	16,769	1/4	1,808	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,542	1/2	61,514	1/2	46,492	1/2	31,483	1/2	16,456	1/2	1,515	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,229	3/4	61,201	3/4	46,180	3/4	31,170	3/4	16,143	3/4	1,294	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	75,916	9	60,888	9	45,867	9	30,856	9	15,830	9	1,072	9	9	9	9	9	9	9	9
1/4	75,603	1/4	60,575	1/4	45,555	1/4	30,543	1/4	15,517	1/4	850	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,289	1/2	60,262	1/2	45,242	1/2	30,230	1/2	15,204	1/2	629	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,976	3/4	59,949	3/4	44,930	3/4	29,917	3/4	14,890	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	74,663	10	59,636	10	44,617	10	29,604	10	14,577	10		10	10	10	10	10	10	10	10
1/4	74,350	1/4	59,323	1/4	44,305	1/4	29,291	1/4	14,264	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,037	1/2	59,010	1/2	43,992	1/2	28,978	1/2	13,951	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,724	3/4	58,697	3/4	43,680	3/4	28,665	3/4	13,638	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	73,411	11	58,384	11	43,367	11	28,352	11	13,325	11		11	11	11	11	11	11	11	11
1/4	73,098	1/4	58,071	1/4	43,055	1/4	28,039	1/4	13,012	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,785	1/2	57,758	1/2	42,742	1/2	27,726	1/2	12,699	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,472	3/4	57,445	3/4	42,430	3/4	27,413	3/4	12,386	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/22/2019 CL
CALCULATED: 05/23/2019 CL
PRINTED: 05/24/2019 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019



BARGE "NGL 3024"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	189,024	0	178,737	0	168,403	0	158,047	0	145,457	0	130,517	0	115,567	0	100,607	
1/4	1/4	1/4	1/4	188,811	1/4	178,522	1/4	168,188	1/4	157,831	1/4	145,147	1/4	130,205	1/4	115,256	1/4	100,295	
1/2	1/2	1/2	1/2	188,597	1/2	178,306	1/2	167,972	1/2	157,615	1/2	144,838	1/2	129,894	1/2	114,945	1/2	99,983	
3/4	3/4	3/4	3/4	188,383	3/4	178,091	3/4	167,756	3/4	157,399	3/4	144,528	3/4	129,582	3/4	114,634	3/4	99,671	
1	1	1	1	188,170	1	177,876	1	167,540	1	157,184	1	144,219	1	129,271	1	114,322	1	99,359	
1/4	1/4	1/4	1/4	187,956	1/4	177,661	1/4	167,325	1/4	156,959	1/4	143,908	1/4	128,959	1/4	114,011	1/4	99,047	
1/2	1/2	1/2	1/2	187,742	1/2	177,446	1/2	167,109	1/2	156,734	1/2	143,598	1/2	128,648	1/2	113,700	1/2	98,735	
3/4	3/4	3/4	3/4	187,529	3/4	177,231	3/4	166,893	3/4	156,509	3/4	143,288	3/4	128,336	3/4	113,389	3/4	98,423	
2	2	2	2	187,315	2	177,016	2	166,677	2	156,284	2	142,977	2	128,025	2	113,077	2	98,111	
1/4	1/4	1/4	1/4	187,101	1/4	176,800	1/4	166,462	1/4	156,044	1/4	142,666	1/4	127,713	1/4	112,766	1/4	97,799	
1/2	1/2	1/2	1/2	186,888	1/2	176,585	1/2	166,246	1/2	155,804	1/2	142,354	1/2	127,402	1/2	112,455	1/2	97,487	
3/4	3/4	3/4	3/4	186,674	3/4	176,370	3/4	166,030	3/4	155,564	3/4	142,043	3/4	127,090	3/4	112,144	3/4	97,175	
3	3	3	3	186,461	3	176,155	3	165,814	3	155,324	3	141,731	3	126,779	3	111,832	3	96,863	
1/4	1/4	1/4	1/4	186,247	1/4	175,940	1/4	165,599	1/4	155,084	1/4	141,420	1/4	126,467	1/4	111,521	1/4	96,551	
1/2	1/2	1/2	1/2	186,033	1/2	175,725	1/2	165,383	1/2	154,844	1/2	141,108	1/2	126,156	1/2	111,210	1/2	96,239	
3/4	3/4	3/4	3/4	185,820	3/4	175,509	3/4	165,167	3/4	154,604	3/4	140,797	3/4	125,844	3/4	110,899	3/4	95,927	
4	4	4	4	185,606	4	175,294	4	164,951	4	154,364	4	140,485	4	125,532	4	110,587	4	95,615	
1/4	1/4	1/4	1/4	185,392	1/4	175,079	1/4	164,735	1/4	154,124	1/4	140,174	1/4	125,221	1/4	110,276	1/4	95,303	
1/2	1/2	1/2	1/2	185,179	1/2	174,864	1/2	164,520	1/2	153,884	1/2	139,862	1/2	124,909	1/2	109,964	1/2	94,991	
3/4	3/4	3/4	3/4	184,965	3/4	174,649	3/4	164,304	3/4	153,644	3/4	139,551	3/4	124,598	3/4	109,653	3/4	94,679	
5	5	5	5	184,751	5	174,434	5	164,088	5	153,404	5	139,239	5	124,286	5	109,342	5	94,367	
1/4	1/4	1/4	1/4	184,538	1/4	174,218	1/4	163,872	1/4	153,164	1/4	138,928	1/4	123,975	1/4	109,030	1/4	94,055	
1/2	1/2	1/2	1/2	184,324	1/2	174,003	1/2	163,657	1/2	152,924	1/2	138,616	1/2	123,663	1/2	108,718	1/2	93,743	
3/4	3/4	3/4	3/4	184,110	3/4	173,788	3/4	163,441	3/4	152,684	3/4	138,305	3/4	123,352	3/4	108,406	3/4	93,431	
6	6	193,510	6	183,897	6	173,573	6	163,225	6	152,444	6	137,993	6	123,040	6	108,094	6	93,119	
1/4	1/4	193,391	1/4	183,683	1/4	173,358	1/4	163,009	1/4	152,204	1/4	137,682	1/4	122,729	1/4	107,782	1/4	92,807	
1/2	1/2	193,272	1/2	183,468	1/2	173,143	1/2	162,794	1/2	151,964	1/2	137,370	1/2	122,417	1/2	107,470	1/2	92,495	
3/4	3/4	193,153	3/4	183,254	3/4	172,928	3/4	162,578	3/4	151,724	3/4	137,058	3/4	122,106	3/4	107,159	3/4	92,183	
7	7	193,034	7	183,040	7	172,712	7	162,362	7	151,485	7	136,747	7	121,794	7	106,847	7	91,871	
1/4	1/4	192,871	1/4	182,825	1/4	172,497	1/4	162,146	1/4	151,218	1/4	136,435	1/4	121,483	1/4	106,535	1/4	91,559	
1/2	1/2	192,707	1/2	182,610	1/2	172,282	1/2	161,931	1/2	150,952	1/2	136,124	1/2	121,171	1/2	106,223	1/2	91,247	
3/4	3/4	192,544	3/4	182,394	3/4	172,067	3/4	161,715	3/4	150,685	3/4	135,812	3/4	120,860	3/4	105,911	3/4	90,935	
8	8	192,380	8	182,179	8	171,852	8	161,499	8	150,419	8	135,501	8	120,548	8	105,599	8	90,623	
1/4	1/4	192,181	1/4	181,964	1/4	171,637	1/4	161,283	1/4	150,109	1/4	135,189	1/4	120,237	1/4	105,287	1/4	90,311	
1/2	1/2	191,982	1/2	181,749	1/2	171,421	1/2	161,067	1/2	149,798	1/2	134,878	1/2	119,925	1/2	104,975	1/2	89,999	
3/4	3/4	191,783	3/4	181,534	3/4	171,206	3/4	160,852	3/4	149,488	3/4	134,566	3/4	119,614	3/4	104,663	3/4	89,687	
9	9	191,584	9	181,319	9	170,991	9	160,636	9	149,177	9	134,255	9	119,303	9	104,351	9	89,375	
1/4	1/4	191,371	1/4	181,103	1/4	170,776	1/4	160,420	1/4	148,867	1/4	133,943	1/4	118,991	1/4	104,039	1/4	89,065	
1/2	1/2	191,158	1/2	180,888	1/2	170,560	1/2	160,204	1/2	148,557	1/2	133,632	1/2	118,680	1/2	103,727	1/2	88,754	
3/4	3/4	190,946	3/4	180,673	3/4	170,345	3/4	159,989	3/4	148,246	3/4	133,320	3/4	118,369	3/4	103,415	3/4	88,443	
10	10	190,733	10	180,458	10	170,130	10	159,773	10	147,936	10	133,009	10	118,058	10	103,103	10	88,132	
1/4	1/4	190,519	1/4	180,243	1/4	169,914	1/4	159,557	1/4	147,626	1/4	132,697	1/4	117,746	1/4	102,791	1/4	87,823	
1/2	1/2	190,306	1/2	180,028	1/2	169,698	1/2	159,341	1/2	147,316	1/2	132,386	1/2	117,435	1/2	102,479	1/2	87,514	
3/4	3/4	190,092	3/4	179,813	3/4	169,482	3/4	159,126	3/4	147,005	3/4	132,074	3/4	117,124	3/4	102,167	3/4	87,205	
11	11	189,879	11	179,597	11	169,267	11	158,910	11	146,695	11	131,763	11	116,813	11	101,855	11	86,896	
1/4	1/4	189,665	1/4	179,382	1/4	169,051	1/4	158,694	1/4	146,386	1/4	131,451	1/4	116,501	1/4	101,543	1/4	86,587	
1/2	1/2	189,452	1/2	179,167	1/2	168,835	1/2	158,478	1/2	146,076	1/2	131,140	1/2	116,190	1/2	101,231	1/2	86,278	
3/4	3/4	189,238	3/4	178,952	3/4	168,619	3/4	158,263	3/4	145,767	3/4	130,828	3/4	115,879	3/4	100,919	3/4	85,968	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF "HERMETIC" VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

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 3024"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE 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	85,659	0	70,798	0	56,088	0	41,368	0	26,398	0	11,421	0		0		0		0	
1/4	85,350	1/4	70,486	1/4	55,787	1/4	41,057	1/4	26,086	1/4	11,109	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,041	1/2	70,175	1/2	55,487	1/2	40,745	1/2	25,774	1/2	10,797	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,732	3/4	69,863	3/4	55,186	3/4	40,434	3/4	25,462	3/4	10,485	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	84,423	1	69,551	1	54,885	1	40,122	1	25,150	1	10,173	1	1	1	1	1	1	1	1
1/4	84,114	1/4	69,239	1/4	54,584	1/4	39,811	1/4	24,838	1/4	9,861	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,805	1/2	68,927	1/2	54,283	1/2	39,499	1/2	24,525	1/2	9,549	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,496	3/4	68,616	3/4	53,982	3/4	39,188	3/4	24,213	3/4	9,237	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	83,187	2	68,304	2	53,681	2	38,876	2	23,901	2	8,925	2	2	2	2	2	2	2	2
1/4	82,878	1/4	67,992	1/4	53,380	1/4	38,565	1/4	23,589	1/4	8,613	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,569	1/2	67,680	1/2	53,080	1/2	38,253	1/2	23,277	1/2	8,301	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,260	3/4	67,369	3/4	52,779	3/4	37,942	3/4	22,965	3/4	7,989	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	81,951	3	67,057	3	52,478	3	37,630	3	22,653	3	7,676	3	3	3	3	3	3	3	3
1/4	81,642	1/4	66,745	1/4	52,177	1/4	37,319	1/4	22,341	1/4	7,364	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,333	1/2	66,434	1/2	51,876	1/2	37,007	1/2	22,029	1/2	7,052	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,023	3/4	66,122	3/4	51,575	3/4	36,695	3/4	21,717	3/4	6,739	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	80,714	4	65,810	4	51,274	4	36,383	4	21,405	4	6,427	4	4	4	4	4	4	4	4
1/4	80,405	1/4	65,498	1/4	50,973	1/4	36,071	1/4	21,093	1/4	6,115	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,096	1/2	65,187	1/2	50,671	1/2	35,759	1/2	20,781	1/2	5,802	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,787	3/4	64,875	3/4	50,370	3/4	35,447	3/4	20,470	3/4	5,490	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	79,478	5	64,563	5	50,068	5	35,135	5	20,158	5	5,177	5	5	5	5	5	5	5	5
1/4	79,169	1/4	64,254	1/4	49,762	1/4	34,823	1/4	19,846	1/4	4,865	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,860	1/2	63,945	1/2	49,456	1/2	34,511	1/2	19,534	1/2	4,552	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,551	3/4	63,635	3/4	49,150	3/4	34,199	3/4	19,222	3/4	4,240	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	78,242	6	63,326	6	48,844	6	33,887	6	18,910	6	3,928	6	6	6	6	6	6	6	6
1/4	77,933	1/4	63,022	1/4	48,532	1/4	33,575	1/4	18,598	1/4	3,616	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,624	1/2	62,718	1/2	48,220	1/2	33,263	1/2	18,286	1/2	3,304	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,315	3/4	62,414	3/4	47,909	3/4	32,951	3/4	17,974	3/4	2,993	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	77,006	7	62,111	7	47,597	7	32,639	7	17,662	7	2,681	7	7	7	7	7	7	7	7
1/4	76,697	1/4	61,808	1/4	47,286	1/4	32,327	1/4	17,350	1/4	2,389	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,388	1/2	61,506	1/2	46,974	1/2	32,015	1/2	17,038	1/2	2,097	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,078	3/4	61,204	3/4	46,663	3/4	31,703	3/4	16,726	3/4	1,805	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	75,769	8	60,902	8	46,351	8	31,390	8	16,414	8	1,513	8	8	8	8	8	8	8	8
1/4	75,460	1/4	60,601	1/4	46,040	1/4	31,078	1/4	16,102	1/4	1,292	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,151	1/2	60,301	1/2	45,729	1/2	30,766	1/2	15,790	1/2	1,070	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,842	3/4	60,000	3/4	45,417	3/4	30,454	3/4	15,478	3/4	849	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	74,533	9	59,699	9	45,106	9	30,142	9	15,166	9	628	9	9	9	9	9	9	9	9
1/4	74,223	1/4	59,398	1/4	44,794	1/4	29,830	1/4	14,854	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,913	1/2	59,097	1/2	44,483	1/2	29,518	1/2	14,542	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,603	3/4	58,796	3/4	44,171	3/4	29,206	3/4	14,230	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	73,293	10	58,495	10	43,860	10	28,894	10	13,918	10	10	10	10	10	10	10	10	10	10
1/4	72,981	1/4	58,194	1/4	43,548	1/4	28,582	1/4	13,606	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,669	1/2	57,894	1/2	43,237	1/2	28,270	1/2	13,294	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,357	3/4	57,593	3/4	42,925	3/4	27,958	3/4	12,981	3/4	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
11	72,045	11	57,292	11	42,614	11	27,646	11	12,669	11	11	11	11	11	11	11	11	11	11
1/4	71,734	1/4	56,991	1/4	42,302	1/4	27,334	1/4	12,357	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,422	1/2	56,690	1/2	41,991	1/2	27,022	1/2	12,045	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,110	3/4	56,389	3/4	41,680	3/4	26,710	3/4	11,733	3/4	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/22/2019 CL
CALCULATED: 05/23/2019 CL
PRINTED: 05/24/2019 JS

PRECISION MEASUREMENT
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CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019



BARGE "NGL 3024"

PORT SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-06"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
0	0	0	4,054	0	2,895	0	1,738	0	579	0		0		0		0		0	
1/4	1/4	1/4	4,030	1/4	2,871	1/4	1,714	1/4	555	1/4		1/4		1/4		1/4		1/4	
1/2	1/2	1/2	4,006	1/2	2,847	1/2	1,690	1/2	531	1/2		1/2		1/2		1/2		1/2	
3/4	3/4	3/4	3,981	3/4	2,823	3/4	1,666	3/4	507	3/4		3/4		3/4		3/4		3/4	
1	1	1	3,957	1	2,798	1	1,642	1	483	1		1		1		1		1	
1/4	1/4	1/4	3,933	1/4	2,774	1/4	1,618	1/4	459	1/4		1/4		1/4		1/4		1/4	
1/2	1/2	1/2	3,909	1/2	2,750	1/2	1,593	1/2	435	1/2		1/2		1/2		1/2		1/2	
3/4	3/4	3/4	3,885	3/4	2,726	3/4	1,569	3/4	410	3/4		3/4		3/4		3/4		3/4	
2	2	2	3,861	2	2,702	2	1,545	2	386	2		2		2		2		2	
1/4	1/4	1/4	3,837	1/4	2,678	1/4	1,521	1/4	362	1/4		1/4		1/4		1/4		1/4	
1/2	1/2	1/2	3,812	1/2	2,654	1/2	1,497	1/2	338	1/2		1/2		1/2		1/2		1/2	
3/4	3/4	3/4	3,788	3/4	2,629	3/4	1,473	3/4	314	3/4		3/4		3/4		3/4		3/4	
3	3	3	3,764	3	2,605	3	1,449	3	290	3		3		3		3		3	
1/4	1/4	1/4	3,740	1/4	2,581	1/4	1,424	1/4	266	1/4		1/4		1/4		1/4		1/4	
1/2	1/2	1/2	3,716	1/2	2,557	1/2	1,400	1/2	241	1/2		1/2		1/2		1/2		1/2	
3/4	3/4	3/4	3,692	3/4	2,533	3/4	1,376	3/4	217	3/4		3/4		3/4		3/4		3/4	
4	4	4	3,668	4	2,509	4	1,352	4	193	4		4		4		4		4	
1/4	1/4	1/4	3,643	1/4	2,485	1/4	1,328	1/4	169	1/4		1/4		1/4		1/4		1/4	
1/2	1/2	1/2	3,619	1/2	2,460	1/2	1,304	1/2	145	1/2		1/2		1/2		1/2		1/2	
3/4	3/4	3/4	3,595	3/4	2,436	3/4	1,280	3/4	121	3/4		3/4		3/4		3/4		3/4	
5	5	5	3,571	5	2,412	5	1,255	5	97	5		5		5		5		5	
1/4	1/4	1/4	3,547	1/4	2,388	1/4	1,231	1/4	72	1/4		1/4		1/4		1/4		1/4	
1/2	1/2	1/2	3,523	1/2	2,364	1/2	1,207	1/2	48	1/2		1/2		1/2		1/2		1/2	
3/4	3/4	3/4	3,499	3/4	2,340	3/4	1,183	3/4	24	3/4		3/4		3/4		3/4		3/4	
6	6	4,627	6	3,474	6	2,316	6	1,159	6	0	6	6	6	6	6	6	6	6	6
1/4	1/4	4,603	1/4	3,450	1/4	2,291	1/4	1,135			1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	4,580	1/2	3,426	1/2	2,267	1/2	1,111			1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	4,556	3/4	3,402	3/4	2,243	3/4	1,086			3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	4,532	7	3,378	7	2,219	7	1,062	7	7	7	7	7	7	7	7	7	7	7
1/4	1/4	4,508	1/4	3,354	1/4	2,195	1/4	1,038			1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	4,484	1/2	3,330	1/2	2,171	1/2	1,014			1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	4,460	3/4	3,305	3/4	2,147	3/4	990			3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	4,437	8	3,281	8	2,122	8	966	8	8	8	8	8	8	8	8	8	8	8
1/4	1/4	4,413	1/4	3,257	1/4	2,098	1/4	942			1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	4,389	1/2	3,233	1/2	2,074	1/2	917			1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	4,365	3/4	3,209	3/4	2,050	3/4	893			3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	4,341	9	3,185	9	2,026	9	869	9	9	9	9	9	9	9	9	9	9	9
1/4	1/4	4,317	1/4	3,161	1/4	2,002	1/4	845			1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	4,293	1/2	3,136	1/2	1,978	1/2	821			1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	4,270	3/4	3,112	3/4	1,954	3/4	797			3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	4,246	10	3,088	10	1,930	10	773	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	4,222	1/4	3,064	1/4	1,906	1/4	748			1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	4,198	1/2	3,040	1/2	1,882	1/2	724			1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	4,174	3/4	3,016	3/4	1,858	3/4	700			3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	4,150	11	2,992	11	1,834	11	676	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	4,126	1/4	2,967	1/4	1,810	1/4	652			1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	4,102	1/2	2,943	1/2	1,786	1/2	628			1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	4,078	3/4	2,919	3/4	1,762	3/4	604			3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 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 OF "HERMETIC" VALVE.

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 Pearland, Texas 77588
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BARGE "NGL 3024"

STBD SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-06"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4		1/4	4,010	1/4		1/4	1,706	1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2	3,986	1/2		1/2	1,682	1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4	3,962	3/4		3/4	1,658	3/4		3/4		3/4		3/4		3/4	
1	1	1	1	1	3,938	1	1	1	1,634	1	1	1	1	1	1	1	1	1	1
1/4		1/4		1/4	3,914	1/4		1/4	1,610	1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2	3,890	1/2		1/2	1,586	1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4	3,866	3/4		3/4	1,562	3/4		3/4		3/4		3/4		3/4	
2	2	2	2	2	3,842	2	2	2	1,538	2	2	2	2	2	2	2	2	2	2
1/4		1/4		1/4	3,818	1/4		1/4	1,514	1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2	3,794	1/2		1/2	1,490	1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4	3,770	3/4		3/4	1,466	3/4		3/4		3/4		3/4		3/4	
3	3	3	3	3	3,746	3	3	3	1,442	3	3	3	3	3	3	3	3	3	3
1/4		1/4		1/4	3,722	1/4		1/4	1,418	1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2	3,698	1/2		1/2	1,394	1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4	3,674	3/4		3/4	1,370	3/4		3/4		3/4		3/4		3/4	
4	4	4	4	4	3,650	4	4	4	1,346	4	4	4	4	4	4	4	4	4	4
1/4		1/4		1/4	3,626	1/4		1/4	1,322	1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2	3,602	1/2		1/2	1,297	1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4	3,578	3/4		3/4	1,273	3/4		3/4		3/4		3/4		3/4	
5	5	5	5	5	3,554	5	5	5	1,249	5	5	5	5	5	5	5	5	5	5
1/4		1/4		1/4	3,530	1/4		1/4	1,225	1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2	3,506	1/2		1/2	1,201	1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4	3,482	3/4		3/4	1,177	3/4		3/4		3/4		3/4		3/4	
6	6	6	6	6	4,605	6	6	6	1,153	6	6	6	6	6	6	6	6	6	6
1/4		1/4		1/4	4,581	1/4		1/4	1,129	1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,558	1/2		1/2	1,105	1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,534	3/4		3/4	1,081	3/4		3/4		3/4		3/4		3/4	
7	7	7	7	7	4,510	7	7	7	1,057	7	7	7	7	7	7	7	7	7	7
1/4		1/4		1/4	4,487	1/4		1/4	1,033	1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,463	1/2		1/2	1,009	1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,439	3/4		3/4	985	3/4		3/4		3/4		3/4		3/4	
8	8	8	8	8	4,415	8	8	8	961	8	8	8	8	8	8	8	8	8	8
1/4		1/4		1/4	4,392	1/4		1/4	937	1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,368	1/2		1/2	913	1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,344	3/4		3/4	889	3/4		3/4		3/4		3/4		3/4	
9	9	9	9	9	4,320	9	9	9	865	9	9	9	9	9	9	9	9	9	9
1/4		1/4		1/4	4,297	1/4		1/4	841	1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,273	1/2		1/2	817	1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,249	3/4		3/4	793	3/4		3/4		3/4		3/4		3/4	
10	10	10	10	10	4,226	10	10	10	769	10	10	10	10	10	10	10	10	10	10
1/4		1/4		1/4	4,202	1/4		1/4	745	1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,178	1/2		1/2	721	1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,154	3/4		3/4	697	3/4		3/4		3/4		3/4		3/4	
11	11	11	11	11	4,131	11	11	11	673	11	11	11	11	11	11	11	11	11	11
1/4		1/4		1/4	4,107	1/4		1/4	649	1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,083	1/2		1/2	625	1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,059	3/4		3/4	601	3/4		3/4		3/4		3/4		3/4	

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