



BARGE "CTC 29148"

INNAGE TRIM TABLE

FORMERLY "NGL 3023"

	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	00-0/8	- 00-0/8	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 INNAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 238'-06"

March 22, 2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29148"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3023"

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	545	0	12,935	0	27,647	0	42,710	0	57,772	0	72,822	0	87,877	0	102,940	0	117,999	0	133,055
1/4	713	1/4	13,226	1/4	27,961	1/4	43,023	1/4	58,086	1/4	73,135	1/4	88,191	1/4	103,254	1/4	118,313	1/4	133,368
1/2	881	1/2	13,516	1/2	28,274	1/2	43,337	1/2	58,400	1/2	73,448	1/2	88,505	1/2	103,568	1/2	118,626	1/2	133,682
3/4	1,049	3/4	13,806	3/4	28,588	3/4	43,651	3/4	58,714	3/4	73,762	3/4	88,819	3/4	103,882	3/4	118,940	3/4	133,996
1	1,217	1	14,097	1	28,902	1	43,965	1	59,028	1	74,075	1	89,132	1	104,196	1	119,254	1	134,309
1/4	1,447	1/4	14,391	1/4	29,216	1/4	44,279	1/4	59,341	1/4	74,388	1/4	89,446	1/4	104,509	1/4	119,567	1/4	134,623
1/2	1,676	1/2	14,685	1/2	29,530	1/2	44,592	1/2	59,655	1/2	74,701	1/2	89,760	1/2	104,823	1/2	119,881	1/2	134,937
3/4	1,905	3/4	14,979	3/4	29,843	3/4	44,906	3/4	59,969	3/4	75,015	3/4	90,074	3/4	105,137	3/4	120,195	3/4	135,250
2	2,135	2	15,273	2	30,157	2	45,220	2	60,283	2	75,328	2	90,388	2	105,451	2	120,508	2	135,564
1/4	2,387	1/4	15,571	1/4	30,471	1/4	45,534	1/4	60,597	1/4	75,641	1/4	90,701	1/4	105,765	1/4	120,822	1/4	135,878
1/2	2,640	1/2	15,868	1/2	30,785	1/2	45,848	1/2	60,910	1/2	75,954	1/2	91,015	1/2	106,078	1/2	121,136	1/2	136,191
3/4	2,893	3/4	16,166	3/4	31,099	3/4	46,161	3/4	61,224	3/4	76,268	3/4	91,329	3/4	106,392	3/4	121,449	3/4	136,505
3	3,145	3	16,464	3	31,412	3	46,475	3	61,538	3	76,581	3	91,643	3	106,706	3	121,763	3	136,819
1/4	3,402	1/4	16,765	1/4	31,726	1/4	46,789	1/4	61,852	1/4	76,895	1/4	91,957	1/4	107,020	1/4	122,077	1/4	137,132
1/2	3,660	1/2	17,067	1/2	32,040	1/2	47,103	1/2	62,166	1/2	77,208	1/2	92,271	1/2	107,334	1/2	122,390	1/2	137,446
3/4	3,917	3/4	17,368	3/4	32,354	3/4	47,417	3/4	62,479	3/4	77,522	3/4	92,584	3/4	107,648	3/4	122,704	3/4	137,760
4	4,174	4	17,669	4	32,668	4	47,731	4	62,793	4	77,835	4	92,898	4	107,961	4	123,018	4	138,073
1/4	4,435	1/4	17,974	1/4	32,982	1/4	48,044	1/4	63,107	1/4	78,149	1/4	93,212	1/4	108,275	1/4	123,331	1/4	138,387
1/2	4,695	1/2	18,279	1/2	33,295	1/2	48,358	1/2	63,421	1/2	78,463	1/2	93,526	1/2	108,589	1/2	123,645	1/2	138,701
3/4	4,956	3/4	18,585	3/4	33,609	3/4	48,672	3/4	63,735	3/4	78,776	3/4	93,840	3/4	108,903	3/4	123,959	3/4	139,014
5	5,217	5	18,890	5	33,923	5	48,986	5	64,049	5	79,090	5	94,153	5	109,216	5	124,272	5	139,328
1/4	5,482	1/4	19,198	1/4	34,237	1/4	49,300	1/4	64,362	1/4	79,404	1/4	94,467	1/4	109,530	1/4	124,586	1/4	139,642
1/2	5,746	1/2	19,507	1/2	34,551	1/2	49,613	1/2	64,676	1/2	79,718	1/2	94,781	1/2	109,844	1/2	124,899	1/2	139,955
3/4	6,011	3/4	19,816	3/4	34,864	3/4	49,927	3/4	64,990	3/4	80,032	3/4	95,095	3/4	110,157	3/4	125,213	3/4	140,269
6	6,276	6	20,125	6	35,178	6	50,241	6	65,303	6	80,345	6	95,409	6	110,471	6	125,527	6	140,583
1/4	6,544	1/4	20,436	1/4	35,492	1/4	50,555	1/4	65,617	1/4	80,659	1/4	95,723	1/4	110,785	1/4	125,840	1/4	140,896
1/2	6,812	1/2	20,748	1/2	35,806	1/2	50,869	1/2	65,930	1/2	80,973	1/2	96,036	1/2	111,098	1/2	126,154	1/2	141,210
3/4	7,081	3/4	21,060	3/4	36,120	3/4	51,182	3/4	66,244	3/4	81,287	3/4	96,350	3/4	111,412	3/4	126,468	3/4	141,524
7	7,349	7	21,372	7	36,433	7	51,496	7	66,557	7	81,601	7	96,664	7	111,726	7	126,781	7	141,837
1/4	7,621	1/4	21,685	1/4	36,747	1/4	51,810	1/4	66,870	1/4	81,915	1/4	96,978	1/4	112,039	1/4	127,095	1/4	142,151
1/2	7,893	1/2	21,999	1/2	37,061	1/2	52,124	1/2	67,184	1/2	82,228	1/2	97,292	1/2	112,353	1/2	127,409	1/2	142,465
3/4	8,165	3/4	22,312	3/4	37,375	3/4	52,438	3/4	67,497	3/4	82,542	3/4	97,605	3/4	112,667	3/4	127,722	3/4	142,778
8	8,437	8	22,626	8	37,689	8	52,751	8	67,810	8	82,856	8	97,919	8	112,980	8	128,036	8	143,092
1/4	8,712	1/4	22,940	1/4	38,002	1/4	53,065	1/4	68,123	1/4	83,170	1/4	98,233	1/4	113,294	1/4	128,350	1/4	143,406
1/2	8,988	1/2	23,253	1/2	38,316	1/2	53,379	1/2	68,437	1/2	83,484	1/2	98,547	1/2	113,608	1/2	128,663	1/2	143,719
3/4	9,264	3/4	23,567	3/4	38,630	3/4	53,693	3/4	68,750	3/4	83,797	3/4	98,861	3/4	113,921	3/4	128,977	3/4	144,033
9	9,539	9	23,881	9	38,944	9	54,007	9	69,063	9	84,111	9	99,175	9	114,235	9	129,291	9	144,347
1/4	9,819	1/4	24,195	1/4	39,258	1/4	54,320	1/4	69,376	1/4	84,425	1/4	99,488	1/4	114,549	1/4	129,604	1/4	144,660
1/2	10,098	1/2	24,509	1/2	39,571	1/2	54,634	1/2	69,690	1/2	84,739	1/2	99,802	1/2	114,862	1/2	129,918	1/2	144,974
3/4	10,377	3/4	24,823	3/4	39,885	3/4	54,948	3/4	70,003	3/4	85,053	3/4	100,116	3/4	115,176	3/4	130,232	3/4	145,288
10	10,657	10	25,136	10	40,199	10	55,262	10	70,316	10	85,367	10	100,430	10	115,490	10	130,545	10	145,601
1/4	10,940	1/4	25,450	1/4	40,513	1/4	55,576	1/4	70,629	1/4	85,680	1/4	100,744	1/4	115,803	1/4	130,859	1/4	145,915
1/2	11,223	1/2	25,764	1/2	40,827	1/2	55,890	1/2	70,943	1/2	85,994	1/2	101,057	1/2	116,117	1/2	131,173	1/2	146,229
3/4	11,506	3/4	26,078	3/4	41,141	3/4	56,203	3/4	71,256	3/4	86,308	3/4	101,371	3/4	116,431	3/4	131,486	3/4	146,542
11	11,789	11	26,392	11	41,454	11	56,517	11	71,569	11	86,622	11	101,685	11	116,744	11	131,800	11	146,856
1/4	12,075	1/4	26,705	1/4	41,768	1/4	56,831	1/4	71,882	1/4	86,936	1/4	101,999	1/4	117,058	1/4	132,114	1/4	147,170
1/2	12,362	1/2	27,019	1/2	42,082	1/2	57,145	1/2	72,196	1/2	87,249	1/2	102,313	1/2	117,372	1/2	132,427	1/2	147,483
3/4	12,649	3/4	27,333	3/4	42,396	3/4	57,459	3/4	72,509	3/4	87,563	3/4	102,627	3/4	117,685	3/4	132,741	3/4	147,797

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP 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 "CTC 29148"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3023"

GAUGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	148,111	0	163,167	0	178,220	0	193,232	0	208,156	0		0		0		0		0	
1/4	148,424	1/4	163,480	1/4	178,533	1/4	193,545	1/4	208,452	1/4		1/4		1/4		1/4		1/4	
1/2	148,738	1/2	163,794	1/2	178,846	1/2	193,858	1/2	208,748	1/2		1/2		1/2		1/2		1/2	
3/4	149,052	3/4	164,108	3/4	179,158	3/4	194,170	3/4	209,044	3/4		3/4		3/4		3/4		3/4	
1	149,365	1	164,421	1	179,471	1	194,483	1	209,340	1		1		1		1		1	
1/4	149,679	1/4	164,735	1/4	179,784	1/4	194,796	1/4	209,600	1/4		1/4		1/4		1/4		1/4	
1/2	149,993	1/2	165,048	1/2	180,097	1/2	195,109	1/2	209,861	1/2		1/2		1/2		1/2		1/2	
3/4	150,306	3/4	165,362	3/4	180,409	3/4	195,421	3/4	210,121	3/4		3/4		3/4		3/4		3/4	
2	150,620	2	165,676	2	180,722	2	195,734	2	210,381	2		2		2		2		2	
1/4	150,934	1/4	165,989	1/4	181,035	1/4	196,045	1/4	210,596	1/4		1/4		1/4		1/4		1/4	
1/2	151,247	1/2	166,303	1/2	181,348	1/2	196,357	1/2	210,812	1/2		1/2		1/2		1/2		1/2	
3/4	151,561	3/4	166,617	3/4	181,660	3/4	196,668	3/4	211,027	3/4		3/4		3/4		3/4		3/4	
3	151,875	3	166,930	3	181,973	3	196,980	3	211,243	3		3		3		3		3	
1/4	152,188	1/4	167,244	1/4	182,286	1/4	197,290	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,502	1/2	167,558	1/2	182,599	1/2	197,601	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,816	3/4	167,871	3/4	182,911	3/4	197,911	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,129	4	168,185	4	183,224	4	198,222	4		4		4		4		4		4	
1/4	153,443	1/4	168,499	1/4	183,537	1/4	198,532	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,757	1/2	168,812	1/2	183,850	1/2	198,843	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,070	3/4	169,126	3/4	184,162	3/4	199,153	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,384	5	169,440	5	184,475	5	199,464	5		5		5		5		5		5	
1/4	154,698	1/4	169,753	1/4	184,788	1/4	199,775	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,011	1/2	170,067	1/2	185,101	1/2	200,085	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,325	3/4	170,381	3/4	185,413	3/4	200,396	3/4		3/4		3/4		3/4		3/4		3/4	
6	155,639	6	170,694	6	185,726	6	200,706	6		6		6		6		6		6	
1/4	155,952	1/4	171,008	1/4	186,039	1/4	201,017	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,266	1/2	171,322	1/2	186,352	1/2	201,327	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,580	3/4	171,635	3/4	186,664	3/4	201,638	3/4		3/4		3/4		3/4		3/4		3/4	
7	156,893	7	171,949	7	186,977	7	201,948	7		7		7		7		7		7	
1/4	157,207	1/4	172,263	1/4	187,290	1/4	202,259	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,521	1/2	172,576	1/2	187,603	1/2	202,570	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,834	3/4	172,890	3/4	187,915	3/4	202,880	3/4		3/4		3/4		3/4		3/4		3/4	
8	158,148	8	173,204	8	188,228	8	203,191	8		8		8		8		8		8	
1/4	158,462	1/4	173,517	1/4	188,541	1/4	203,501	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,775	1/2	173,831	1/2	188,854	1/2	203,812	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,089	3/4	174,145	3/4	189,166	3/4	204,122	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,403	9	174,458	9	189,479	9	204,433	9		9		9		9		9		9	
1/4	159,716	1/4	174,772	1/4	189,792	1/4	204,744	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,030	1/2	175,086	1/2	190,105	1/2	205,054	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,344	3/4	175,399	3/4	190,417	3/4	205,365	3/4		3/4		3/4		3/4		3/4		3/4	
10	160,657	10	175,713	10	190,730	10	205,675	10		10		10		10		10		10	
1/4	160,971	1/4	176,027	1/4	191,043	1/4	205,986	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,285	1/2	176,340	1/2	191,356	1/2	206,296	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,598	3/4	176,654	3/4	191,668	3/4	206,607	3/4		3/4		3/4		3/4		3/4		3/4	
11	161,912	11	176,968	11	191,981	11	206,917	11		11		11		11		11		11	
1/4	162,226	1/4	177,281	1/4	192,294	1/4	207,227	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,539	1/2	177,594	1/2	192,607	1/2	207,536	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,853	3/4	177,907	3/4	192,919	3/4	207,846	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/13/2019 SW
CALCULATED: 05/14/2019 CL
NAME CHANGE: 03/22/2023 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023



BARGE "CTC 29148"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3023"

GAUGE HEIGHT 15'-08 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	631	0	15,256	0	30,334	0	45,398	0	60,470	0	75,549	0	90,628	0	105,707	0	120,782	0	135,853
1/4	853	1/4	15,570	1/4	30,649	1/4	45,712	1/4	60,784	1/4	75,863	1/4	90,942	1/4	106,021	1/4	121,096	1/4	136,167
1/2	1,076	1/2	15,884	1/2	30,963	1/2	46,025	1/2	61,098	1/2	76,177	1/2	91,256	1/2	106,335	1/2	121,410	1/2	136,481
3/4	1,298	3/4	16,198	3/4	31,277	3/4	46,339	3/4	61,412	3/4	76,491	3/4	91,570	3/4	106,650	3/4	121,724	3/4	136,795
1	1,520	1	16,512	1	31,591	1	46,652	1	61,726	1	76,806	1	91,885	1	106,964	1	122,038	1	137,109
1/4	1,814	1/4	16,826	1/4	31,905	1/4	46,966	1/4	62,041	1/4	77,120	1/4	92,199	1/4	107,278	1/4	122,352	1/4	137,423
1/2	2,108	1/2	17,141	1/2	32,219	1/2	47,279	1/2	62,355	1/2	77,434	1/2	92,513	1/2	107,592	1/2	122,666	1/2	137,737
3/4	2,401	3/4	17,455	3/4	32,533	3/4	47,593	3/4	62,669	3/4	77,748	3/4	92,827	3/4	107,906	3/4	122,979	3/4	138,051
2	2,695	2	17,769	2	32,848	2	47,907	2	62,983	2	78,062	2	93,141	2	108,220	2	123,293	2	138,365
1/4	3,008	1/4	18,083	1/4	33,162	1/4	48,220	1/4	63,297	1/4	78,376	1/4	93,455	1/4	108,534	1/4	123,607	1/4	138,679
1/2	3,321	1/2	18,397	1/2	33,476	1/2	48,534	1/2	63,611	1/2	78,690	1/2	93,769	1/2	108,849	1/2	123,921	1/2	138,993
3/4	3,634	3/4	18,711	3/4	33,790	3/4	48,848	3/4	63,925	3/4	79,005	3/4	94,084	3/4	109,163	3/4	124,235	3/4	139,307
3	3,948	3	19,025	3	34,104	3	49,161	3	64,240	3	79,319	3	94,398	3	109,477	3	124,549	3	139,621
1/4	4,262	1/4	19,340	1/4	34,418	1/4	49,475	1/4	64,554	1/4	79,633	1/4	94,712	1/4	109,791	1/4	124,863	1/4	139,935
1/2	4,576	1/2	19,654	1/2	34,732	1/2	49,789	1/2	64,868	1/2	79,947	1/2	95,026	1/2	110,105	1/2	125,177	1/2	140,249
3/4	4,889	3/4	19,968	3/4	35,046	3/4	50,103	3/4	65,182	3/4	80,261	3/4	95,340	3/4	110,419	3/4	125,491	3/4	140,563
4	5,203	4	20,282	4	35,361	4	50,417	4	65,496	4	80,575	4	95,654	4	110,733	4	125,805	4	140,877
1/4	5,518	1/4	20,596	1/4	35,675	1/4	50,731	1/4	65,810	1/4	80,889	1/4	95,969	1/4	111,048	1/4	126,119	1/4	141,191
1/2	5,832	1/2	20,910	1/2	35,989	1/2	51,045	1/2	66,124	1/2	81,204	1/2	96,283	1/2	111,362	1/2	126,433	1/2	141,505
3/4	6,146	3/4	21,224	3/4	36,303	3/4	51,360	3/4	66,439	3/4	81,518	3/4	96,597	3/4	111,676	3/4	126,747	3/4	141,819
5	6,460	5	21,539	5	36,617	5	51,674	5	66,753	5	81,832	5	96,911	5	111,990	5	127,061	5	142,133
1/4	6,774	1/4	21,853	1/4	36,931	1/4	51,988	1/4	67,067	1/4	82,146	1/4	97,225	1/4	112,304	1/4	127,375	1/4	142,447
1/2	7,088	1/2	22,167	1/2	37,245	1/2	52,302	1/2	67,381	1/2	82,460	1/2	97,539	1/2	112,618	1/2	127,689	1/2	142,761
3/4	7,402	3/4	22,481	3/4	37,559	3/4	52,616	3/4	67,695	3/4	82,774	3/4	97,853	3/4	112,932	3/4	128,003	3/4	143,075
6	7,716	6	22,795	6	37,873	6	52,930	6	68,009	6	83,088	6	98,168	6	113,246	6	128,317	6	143,389
1/4	8,031	1/4	23,109	1/4	38,186	1/4	53,244	1/4	68,324	1/4	83,403	1/4	98,482	1/4	113,560	1/4	128,631	1/4	143,703
1/2	8,345	1/2	23,423	1/2	38,500	1/2	53,559	1/2	68,638	1/2	83,717	1/2	98,796	1/2	113,874	1/2	128,945	1/2	144,017
3/4	8,659	3/4	23,737	3/4	38,813	3/4	53,873	3/4	68,952	3/4	84,031	3/4	99,110	3/4	114,188	3/4	129,259	3/4	144,331
7	8,973	7	24,052	7	39,127	7	54,187	7	69,266	7	84,345	7	99,424	7	114,502	7	129,573	7	144,645
1/4	9,287	1/4	24,366	1/4	39,441	1/4	54,501	1/4	69,580	1/4	84,659	1/4	99,738	1/4	114,816	1/4	129,887	1/4	144,959
1/2	9,601	1/2	24,680	1/2	39,754	1/2	54,815	1/2	69,894	1/2	84,973	1/2	100,052	1/2	115,130	1/2	130,201	1/2	145,273
3/4	9,915	3/4	24,994	3/4	40,068	3/4	55,129	3/4	70,208	3/4	85,288	3/4	100,367	3/4	115,444	3/4	130,515	3/4	145,587
8	10,230	8	25,308	8	40,381	8	55,443	8	70,523	8	85,602	8	100,681	8	115,758	8	130,829	8	145,901
1/4	10,544	1/4	25,622	1/4	40,695	1/4	55,758	1/4	70,837	1/4	85,916	1/4	100,995	1/4	116,072	1/4	131,143	1/4	146,215
1/2	10,858	1/2	25,936	1/2	41,008	1/2	56,072	1/2	71,151	1/2	86,230	1/2	101,309	1/2	116,386	1/2	131,457	1/2	146,529
3/4	11,172	3/4	26,251	3/4	41,322	3/4	56,386	3/4	71,465	3/4	86,544	3/4	101,623	3/4	116,700	3/4	131,771	3/4	146,843
9	11,486	9	26,565	9	41,635	9	56,700	9	71,779	9	86,858	9	101,937	9	117,014	9	132,085	9	147,157
1/4	11,800	1/4	26,879	1/4	41,949	1/4	57,014	1/4	72,093	1/4	87,172	1/4	102,251	1/4	117,328	1/4	132,399	1/4	147,471
1/2	12,114	1/2	27,193	1/2	42,263	1/2	57,328	1/2	72,407	1/2	87,487	1/2	102,566	1/2	117,642	1/2	132,713	1/2	147,785
3/4	12,428	3/4	27,507	3/4	42,576	3/4	57,643	3/4	72,722	3/4	87,801	3/4	102,880	3/4	117,956	3/4	133,027	3/4	148,099
10	12,743	10	27,821	10	42,890	10	57,957	10	73,036	10	88,115	10	103,194	10	118,270	10	133,341	10	148,413
1/4	13,057	1/4	28,135	1/4	43,203	1/4	58,271	1/4	73,350	1/4	88,429	1/4	103,508	1/4	118,584	1/4	133,655	1/4	148,727
1/2	13,371	1/2	28,450	1/2	43,517	1/2	58,585	1/2	73,664	1/2	88,743	1/2	103,822	1/2	118,898	1/2	133,969	1/2	149,041
3/4	13,685	3/4	28,764	3/4	43,830	3/4	58,899	3/4	73,978	3/4	89,057	3/4	104,136	3/4	119,212	3/4	134,283	3/4	149,355
11	13,999	11	29,078	11	44,144	11	59,213	11	74,292	11	89,371	11	104,451	11	119,526	11	134,597	11	149,669
1/4	14,313	1/4	29,392	1/4	44,457	1/4	59,527	1/4	74,606	1/4	89,686	1/4	104,765	1/4	119,840	1/4	134,911	1/4	149,983
1/2	14,627	1/2	29,706	1/2	44,771	1/2	59,842	1/2	74,921	1/2	90,000	1/2	105,079	1/2	120,154	1/2	135,225	1/2	150,297
3/4	14,942	3/4	30,020	3/4	45,085	3/4	60,156	3/4	75,235	3/4	90,314	3/4	105,393	3/4	120,468	3/4	135,539	3/4	150,611

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF "HERMETIC" VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 43'-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 "CTC 29148"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3023"

GAUGE HEIGHT 15'-08 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	150,925	0	165,997	0	181,066	0	196,094	0	211,034	0		0		0		0		0	
1/4	151,239	1/4	166,311	1/4	181,379	1/4	196,407	1/4	211,330	1/4		1/4		1/4		1/4		1/4	
1/2	151,553	1/2	166,625	1/2	181,692	1/2	196,720	1/2	211,627	1/2		1/2		1/2		1/2		1/2	
3/4	151,867	3/4	166,939	3/4	182,006	3/4	197,034	3/4	211,923	3/4		3/4		3/4		3/4		3/4	
1	152,181	1	167,253	1	182,319	1	197,347	1	212,220	1		1		1		1		1	
1/4	152,495	1/4	167,567	1/4	182,632	1/4	197,660	1/4	212,480	1/4		1/4		1/4		1/4		1/4	
1/2	152,809	1/2	167,881	1/2	182,945	1/2	197,973	1/2	212,741	1/2		1/2		1/2		1/2		1/2	
3/4	153,123	3/4	168,195	3/4	183,258	3/4	198,286	3/4	213,001	3/4		3/4		3/4		3/4		3/4	
2	153,437	2	168,509	2	183,571	2	198,599	2	213,262	2		2		2		2		2	
1/4	153,751	1/4	168,823	1/4	183,884	1/4	198,911	1/4	213,477	1/4		1/4		1/4		1/4		1/4	
1/2	154,065	1/2	169,137	1/2	184,197	1/2	199,222	1/2	213,693	1/2		1/2		1/2		1/2		1/2	
3/4	154,379	3/4	169,451	3/4	184,510	3/4	199,534	3/4	213,909	3/4		3/4		3/4		3/4		3/4	
3	154,693	3	169,765	3	184,823	3	199,846	3	214,124	3		3		3		3		3	
1/4	155,007	1/4	170,079	1/4	185,136	1/4	200,157	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,321	1/2	170,393	1/2	185,449	1/2	200,468	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,635	3/4	170,707	3/4	185,763	3/4	200,779	3/4		3/4		3/4		3/4		3/4		3/4	
4	155,949	4	171,021	4	186,076	4	201,089	4		4		4		4		4		4	
1/4	156,263	1/4	171,335	1/4	186,389	1/4	201,400	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,577	1/2	171,649	1/2	186,702	1/2	201,711	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,891	3/4	171,963	3/4	187,015	3/4	202,022	3/4		3/4		3/4		3/4		3/4		3/4	
5	157,205	5	172,277	5	187,328	5	202,333	5		5		5		5		5		5	
1/4	157,519	1/4	172,591	1/4	187,641	1/4	202,644	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,833	1/2	172,905	1/2	187,954	1/2	202,955	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,147	3/4	173,219	3/4	188,267	3/4	203,266	3/4		3/4		3/4		3/4		3/4		3/4	
6	158,461	6	173,533	6	188,580	6	203,577	6		6		6		6		6		6	
1/4	158,775	1/4	173,847	1/4	188,893	1/4	203,887	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,089	1/2	174,161	1/2	189,206	1/2	204,198	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,403	3/4	174,475	3/4	189,520	3/4	204,509	3/4		3/4		3/4		3/4		3/4		3/4	
7	159,717	7	174,789	7	189,833	7	204,820	7		7		7		7		7		7	
1/4	160,031	1/4	175,103	1/4	190,146	1/4	205,131	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,345	1/2	175,417	1/2	190,459	1/2	205,442	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,659	3/4	175,731	3/4	190,772	3/4	205,753	3/4		3/4		3/4		3/4		3/4		3/4	
8	160,973	8	176,045	8	191,085	8	206,064	8		8		8		8		8		8	
1/4	161,287	1/4	176,359	1/4	191,398	1/4	206,375	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,601	1/2	176,673	1/2	191,711	1/2	206,685	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,915	3/4	176,987	3/4	192,024	3/4	206,996	3/4		3/4		3/4		3/4		3/4		3/4	
9	162,229	9	177,301	9	192,337	9	207,307	9		9		9		9		9		9	
1/4	162,543	1/4	177,615	1/4	192,650	1/4	207,618	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,857	1/2	177,929	1/2	192,963	1/2	207,929	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,171	3/4	178,243	3/4	193,277	3/4	208,240	3/4		3/4		3/4		3/4		3/4		3/4	
10	163,485	10	178,557	10	193,590	10	208,551	10		10		10		10		10		10	
1/4	163,799	1/4	178,871	1/4	193,903	1/4	208,862	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,113	1/2	179,185	1/2	194,216	1/2	209,173	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,427	3/4	179,499	3/4	194,529	3/4	209,483	3/4		3/4		3/4		3/4		3/4		3/4	
11	164,741	11	179,813	11	194,842	11	209,794	11		11		11		11		11		11	
1/4	165,055	1/4	180,126	1/4	195,155	1/4	210,104	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,369	1/2	180,439	1/2	195,468	1/2	210,414	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,683	3/4	180,753	3/4	195,781	3/4	210,724	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/13/2019 SW
CALCULATED: 05/14/2019 CL
NAME CHANGE: 03/22/2022 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023



BARGE "CTC 29148"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3023"

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	544	0	12,922	0	27,619	0	42,666	0	57,714	0	72,698	0	87,709	0	102,757	0	117,800	0	132,841
1/4	712	1/4	13,212	1/4	27,932	1/4	42,980	1/4	58,028	1/4	73,010	1/4	88,022	1/4	103,070	1/4	118,114	1/4	133,154
1/2	880	1/2	13,502	1/2	28,246	1/2	43,293	1/2	58,341	1/2	73,321	1/2	88,336	1/2	103,384	1/2	118,427	1/2	133,468
3/4	1,048	3/4	13,792	3/4	28,559	3/4	43,607	3/4	58,655	3/4	73,632	3/4	88,649	3/4	103,697	3/4	118,740	3/4	133,781
1	1,216	1	14,082	1	28,873	1	43,920	1	58,968	1	73,943	1	88,963	1	104,011	1	119,054	1	134,094
1/4	1,445	1/4	14,376	1/4	29,186	1/4	44,234	1/4	59,282	1/4	74,254	1/4	89,276	1/4	104,324	1/4	119,367	1/4	134,408
1/2	1,674	1/2	14,670	1/2	29,500	1/2	44,547	1/2	59,595	1/2	74,565	1/2	89,590	1/2	104,638	1/2	119,680	1/2	134,721
3/4	1,903	3/4	14,964	3/4	29,813	3/4	44,861	3/4	59,909	3/4	74,876	3/4	89,903	3/4	104,951	3/4	119,994	3/4	135,034
2	2,132	2	15,257	2	30,127	2	45,174	2	60,222	2	75,187	2	90,217	2	105,265	2	120,307	2	135,348
1/4	2,385	1/4	15,555	1/4	30,440	1/4	45,488	1/4	60,535	1/4	75,499	1/4	90,530	1/4	105,578	1/4	120,620	1/4	135,661
1/2	2,637	1/2	15,852	1/2	30,754	1/2	45,801	1/2	60,849	1/2	75,810	1/2	90,844	1/2	105,892	1/2	120,934	1/2	135,974
3/4	2,890	3/4	16,150	3/4	31,067	3/4	46,115	3/4	61,162	3/4	76,121	3/4	91,157	3/4	106,205	3/4	121,247	3/4	136,288
3	3,142	3	16,447	3	31,381	3	46,428	3	61,476	3	76,432	3	91,471	3	106,519	3	121,560	3	136,601
1/4	3,399	1/4	16,748	1/4	31,694	1/4	46,742	1/4	61,789	1/4	76,744	1/4	91,784	1/4	106,832	1/4	121,874	1/4	136,914
1/2	3,656	1/2	17,049	1/2	32,008	1/2	47,055	1/2	62,102	1/2	77,056	1/2	92,098	1/2	107,146	1/2	122,187	1/2	137,228
3/4	3,913	3/4	17,350	3/4	32,321	3/4	47,369	3/4	62,416	3/4	77,367	3/4	92,411	3/4	107,459	3/4	122,500	3/4	137,541
4	4,169	4	17,651	4	32,635	4	47,682	4	62,729	4	77,679	4	92,725	4	107,773	4	122,814	4	137,854
1/4	4,430	1/4	17,956	1/4	32,948	1/4	47,996	1/4	63,041	1/4	77,992	1/4	93,038	1/4	108,086	1/4	123,127	1/4	138,168
1/2	4,691	1/2	18,261	1/2	33,262	1/2	48,309	1/2	63,354	1/2	78,305	1/2	93,352	1/2	108,400	1/2	123,440	1/2	138,481
3/4	4,951	3/4	18,566	3/4	33,575	3/4	48,623	3/4	63,667	3/4	78,618	3/4	93,665	3/4	108,713	3/4	123,754	3/4	138,795
5	5,212	5	18,871	5	33,889	5	48,936	5	63,980	5	78,931	5	93,979	5	109,026	5	124,067	5	139,108
1/4	5,476	1/4	19,179	1/4	34,202	1/4	49,250	1/4	64,292	1/4	79,244	1/4	94,292	1/4	109,340	1/4	124,381	1/4	139,421
1/2	5,741	1/2	19,487	1/2	34,516	1/2	49,563	1/2	64,604	1/2	79,558	1/2	94,606	1/2	109,653	1/2	124,694	1/2	139,735
3/4	6,005	3/4	19,796	3/4	34,829	3/4	49,877	3/4	64,917	3/4	79,871	3/4	94,919	3/4	109,967	3/4	125,007	3/4	140,048
6	6,269	6	20,104	6	35,143	6	50,190	6	65,229	6	80,185	6	95,233	6	110,280	6	125,321	6	140,361
1/4	6,537	1/4	20,416	1/4	35,456	1/4	50,504	1/4	65,541	1/4	80,498	1/4	95,546	1/4	110,593	1/4	125,634	1/4	140,675
1/2	6,805	1/2	20,727	1/2	35,770	1/2	50,817	1/2	65,852	1/2	80,812	1/2	95,860	1/2	110,907	1/2	125,947	1/2	140,988
3/4	7,073	3/4	21,039	3/4	36,083	3/4	51,131	3/4	66,164	3/4	81,125	3/4	96,173	3/4	111,220	3/4	126,261	3/4	141,301
7	7,341	7	21,350	7	36,397	7	51,444	7	66,476	7	81,439	7	96,487	7	111,533	7	126,574	7	141,615
1/4	7,613	1/4	21,664	1/4	36,710	1/4	51,758	1/4	66,787	1/4	81,752	1/4	96,800	1/4	111,847	1/4	126,887	1/4	141,928
1/2	7,885	1/2	21,977	1/2	37,024	1/2	52,071	1/2	67,098	1/2	82,066	1/2	97,114	1/2	112,160	1/2	127,201	1/2	142,241
3/4	8,156	3/4	22,290	3/4	37,337	3/4	52,385	3/4	67,409	3/4	82,379	3/4	97,427	3/4	112,473	3/4	127,514	3/4	142,555
8	8,428	8	22,603	8	37,651	8	52,698	8	67,720	8	82,693	8	97,741	8	112,787	8	127,827	8	142,868
1/4	8,704	1/4	22,917	1/4	37,964	1/4	53,012	1/4	68,032	1/4	83,006	1/4	98,054	1/4	113,100	1/4	128,141	1/4	143,181
1/2	8,979	1/2	23,230	1/2	38,278	1/2	53,325	1/2	68,343	1/2	83,320	1/2	98,368	1/2	113,413	1/2	128,454	1/2	143,495
3/4	9,254	3/4	23,543	3/4	38,591	3/4	53,639	3/4	68,654	3/4	83,633	3/4	98,681	3/4	113,727	3/4	128,767	3/4	143,808
9	9,530	9	23,857	9	38,905	9	53,952	9	68,965	9	83,947	9	98,995	9	114,040	9	129,081	9	144,121
1/4	9,809	1/4	24,170	1/4	39,218	1/4	54,266	1/4	69,276	1/4	84,260	1/4	99,308	1/4	114,353	1/4	129,394	1/4	144,435
1/2	10,088	1/2	24,484	1/2	39,532	1/2	54,579	1/2	69,587	1/2	84,574	1/2	99,622	1/2	114,667	1/2	129,707	1/2	144,748
3/4	10,367	3/4	24,797	3/4	39,845	3/4	54,893	3/4	69,898	3/4	84,887	3/4	99,935	3/4	114,980	3/4	130,021	3/4	145,061
10	10,646	10	25,111	10	40,159	10	55,206	10	70,209	10	85,201	10	100,249	10	115,293	10	130,334	10	145,375
1/4	10,929	1/4	25,424	1/4	40,472	1/4	55,520	1/4	70,521	1/4	85,514	1/4	100,562	1/4	115,607	1/4	130,647	1/4	145,688
1/2	11,211	1/2	25,738	1/2	40,786	1/2	55,833	1/2	70,832	1/2	85,828	1/2	100,876	1/2	115,920	1/2	130,961	1/2	146,002
3/4	11,494	3/4	26,051	3/4	41,099	3/4	56,147	3/4	71,143	3/4	86,141	3/4	101,189	3/4	116,233	3/4	131,274	3/4	146,315
11	11,777	11	26,365	11	41,413	11	56,460	11	71,454	11	86,455	11	101,503	11	116,547	11	131,588	11	146,628
1/4	12,063	1/4	26,678	1/4	41,726	1/4	56,774	1/4	71,765	1/4	86,768	1/4	101,816	1/4	116,860	1/4	131,901	1/4	146,942
1/2	12,349	1/2	26,992	1/2	42,039	1/2	57,087	1/2	72,076	1/2	87,082	1/2	102,130	1/2	117,174	1/2	132,214	1/2	147,255
3/4	12,636	3/4	27,305	3/4	42,353	3/4	57,401	3/4	72,387	3/4	87,395	3/4	102,443	3/4	117,487	3/4	132,528	3/4	147,568

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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



BARGE "CTC 29148"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3023"

GAUGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	147,882	0	162,922	0	177,961	0	192,957	0	207,866	0		0		0		0		0	
1/4	148,195	1/4	163,236	1/4	178,273	1/4	193,270	1/4	208,162	1/4		1/4		1/4		1/4		1/4	
1/2	148,508	1/2	163,549	1/2	178,586	1/2	193,582	1/2	208,458	1/2		1/2		1/2		1/2		1/2	
3/4	148,822	3/4	163,862	3/4	178,898	3/4	193,895	3/4	208,753	3/4		3/4		3/4		3/4		3/4	
1	149,135	1	164,176	1	179,210	1	194,207	1	209,049	1		1		1		1		1	
1/4	149,448	1/4	164,489	1/4	179,523	1/4	194,520	1/4	209,309	1/4		1/4		1/4		1/4		1/4	
1/2	149,762	1/2	164,802	1/2	179,835	1/2	194,832	1/2	209,569	1/2		1/2		1/2		1/2		1/2	
3/4	150,075	3/4	165,116	3/4	180,148	3/4	195,145	3/4	209,829	3/4		3/4		3/4		3/4		3/4	
2	150,388	2	165,429	2	180,460	2	195,457	2	210,089	2		2		2		2		2	
1/4	150,702	1/4	165,742	1/4	180,773	1/4	195,768	1/4	210,304	1/4		1/4		1/4		1/4		1/4	
1/2	151,015	1/2	166,056	1/2	181,085	1/2	196,079	1/2	210,520	1/2		1/2		1/2		1/2		1/2	
3/4	151,328	3/4	166,369	3/4	181,397	3/4	196,390	3/4	210,735	3/4		3/4		3/4		3/4		3/4	
3	151,642	3	166,682	3	181,710	3	196,701	3	210,950	3		3		3		3		3	
1/4	151,955	1/4	166,996	1/4	182,022	1/4	197,011	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,268	1/2	167,309	1/2	182,335	1/2	197,322	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,582	3/4	167,623	3/4	182,647	3/4	197,632	3/4		3/4		3/4		3/4		3/4		3/4	
4	152,895	4	167,936	4	182,960	4	197,942	4		4		4		4		4		4	
1/4	153,209	1/4	168,249	1/4	183,272	1/4	198,252	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,522	1/2	168,563	1/2	183,584	1/2	198,563	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,835	3/4	168,876	3/4	183,897	3/4	198,873	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,149	5	169,189	5	184,209	5	199,183	5		5		5		5		5		5	
1/4	154,462	1/4	169,503	1/4	184,522	1/4	199,493	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,775	1/2	169,816	1/2	184,834	1/2	199,804	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,089	3/4	170,129	3/4	185,147	3/4	200,114	3/4		3/4		3/4		3/4		3/4		3/4	
6	155,402	6	170,443	6	185,459	6	200,424	6		6		6		6		6		6	
1/4	155,715	1/4	170,756	1/4	185,772	1/4	200,734	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,029	1/2	171,069	1/2	186,084	1/2	201,045	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,342	3/4	171,383	3/4	186,396	3/4	201,355	3/4		3/4		3/4		3/4		3/4		3/4	
7	156,655	7	171,696	7	186,709	7	201,665	7		7		7		7		7		7	
1/4	156,969	1/4	172,009	1/4	187,021	1/4	201,975	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,282	1/2	172,323	1/2	187,334	1/2	202,286	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,595	3/4	172,636	3/4	187,646	3/4	202,596	3/4		3/4		3/4		3/4		3/4		3/4	
8	157,909	8	172,949	8	187,959	8	202,906	8		8		8		8		8		8	
1/4	158,222	1/4	173,263	1/4	188,271	1/4	203,216	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,535	1/2	173,576	1/2	188,583	1/2	203,527	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,849	3/4	173,889	3/4	188,896	3/4	203,837	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,162	9	174,203	9	189,208	9	204,147	9		9		9		9		9		9	
1/4	159,475	1/4	174,516	1/4	189,521	1/4	204,457	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,789	1/2	174,830	1/2	189,833	1/2	204,768	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,102	3/4	175,143	3/4	190,146	3/4	205,078	3/4		3/4		3/4		3/4		3/4		3/4	
10	160,416	10	175,456	10	190,458	10	205,388	10		10		10		10		10		10	
1/4	160,729	1/4	175,770	1/4	190,770	1/4	205,698	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,042	1/2	176,083	1/2	191,083	1/2	206,009	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,356	3/4	176,396	3/4	191,395	3/4	206,319	3/4		3/4		3/4		3/4		3/4		3/4	
11	161,669	11	176,710	11	191,708	11	206,629	11		11		11		11		11		11	
1/4	161,982	1/4	177,022	1/4	192,020	1/4	206,938	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,296	1/2	177,335	1/2	192,333	1/2	207,247	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,609	3/4	177,648	3/4	192,645	3/4	207,557	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/13/2019 SW
CALCULATED: 05/14/2019 CL
NAME CHANGE: 03/22/2023 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023



BARGE "CTC 29148"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3023"

GAUGE HEIGHT 15'-08 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	630	0	15,237	0	30,296	0	45,341	0	60,194	0	74,975	0	89,945	0	105,005	0	120,061	0	135,114
1/4	852	1/4	15,550	1/4	30,610	1/4	45,654	1/4	60,502	1/4	75,283	1/4	90,259	1/4	105,319	1/4	120,374	1/4	135,427
1/2	1,074	1/2	15,864	1/2	30,924	1/2	45,968	1/2	60,810	1/2	75,591	1/2	90,573	1/2	105,633	1/2	120,688	1/2	135,741
3/4	1,296	3/4	16,178	3/4	31,238	3/4	46,281	3/4	61,117	3/4	75,899	3/4	90,886	3/4	105,946	3/4	121,002	3/4	136,054
1	1,519	1	16,492	1	31,551	1	46,594	1	61,425	1	76,207	1	91,200	1	106,260	1	121,315	1	136,368
1/4	1,812	1/4	16,805	1/4	31,865	1/4	46,907	1/4	61,733	1/4	76,515	1/4	91,514	1/4	106,574	1/4	121,629	1/4	136,682
1/2	2,105	1/2	17,119	1/2	32,179	1/2	47,220	1/2	62,041	1/2	76,823	1/2	91,828	1/2	106,888	1/2	121,942	1/2	136,995
3/4	2,398	3/4	17,433	3/4	32,493	3/4	47,533	3/4	62,349	3/4	77,130	3/4	92,141	3/4	107,201	3/4	122,256	3/4	137,309
2	2,691	2	17,747	2	32,806	2	47,847	2	62,657	2	77,438	2	92,455	2	107,515	2	122,570	2	137,622
1/4	3,004	1/4	18,060	1/4	33,120	1/4	48,160	1/4	62,965	1/4	77,746	1/4	92,769	1/4	107,829	1/4	122,883	1/4	137,936
1/2	3,317	1/2	18,374	1/2	33,434	1/2	48,473	1/2	63,273	1/2	78,054	1/2	93,083	1/2	108,143	1/2	123,197	1/2	138,250
3/4	3,630	3/4	18,688	3/4	33,748	3/4	48,786	3/4	63,581	3/4	78,362	3/4	93,396	3/4	108,457	3/4	123,510	3/4	138,563
3	3,943	3	19,002	3	34,061	3	49,100	3	63,889	3	78,670	3	93,710	3	108,770	3	123,824	3	138,877
1/4	4,256	1/4	19,315	1/4	34,375	1/4	49,410	1/4	64,197	1/4	78,980	1/4	94,024	1/4	109,084	1/4	124,138	1/4	139,190
1/2	4,570	1/2	19,629	1/2	34,689	1/2	49,720	1/2	64,505	1/2	79,290	1/2	94,338	1/2	109,398	1/2	124,451	1/2	139,504
3/4	4,883	3/4	19,943	3/4	35,003	3/4	50,030	3/4	64,813	3/4	79,599	3/4	94,651	3/4	109,712	3/4	124,765	3/4	139,818
4	5,197	4	20,257	4	35,316	4	50,339	4	65,121	4	79,909	4	94,965	4	110,025	4	125,078	4	140,131
1/4	5,511	1/4	20,570	1/4	35,630	1/4	50,647	1/4	65,429	1/4	80,222	1/4	95,279	1/4	110,339	1/4	125,392	1/4	140,445
1/2	5,824	1/2	20,884	1/2	35,944	1/2	50,955	1/2	65,737	1/2	80,535	1/2	95,593	1/2	110,653	1/2	125,706	1/2	140,759
3/4	6,138	3/4	21,198	3/4	36,258	3/4	51,263	3/4	66,045	3/4	80,847	3/4	95,906	3/4	110,966	3/4	126,019	3/4	141,072
5	6,452	5	21,512	5	36,571	5	51,571	5	66,352	5	81,160	5	96,220	5	111,280	5	126,333	5	141,386
1/4	6,766	1/4	21,825	1/4	36,885	1/4	51,879	1/4	66,660	1/4	81,474	1/4	96,534	1/4	111,594	1/4	126,646	1/4	141,699
1/2	7,079	1/2	22,139	1/2	37,198	1/2	52,187	1/2	66,968	1/2	81,787	1/2	96,848	1/2	111,907	1/2	126,960	1/2	142,013
3/4	7,393	3/4	22,453	3/4	37,512	3/4	52,495	3/4	67,276	3/4	82,101	3/4	97,161	3/4	112,221	3/4	127,274	3/4	142,327
6	7,707	6	22,767	6	37,825	6	52,803	6	67,584	6	82,415	6	97,475	6	112,534	6	127,587	6	142,640
1/4	8,021	1/4	23,080	1/4	38,138	1/4	53,111	1/4	67,892	1/4	82,729	1/4	97,789	1/4	112,848	1/4	127,901	1/4	142,954
1/2	8,334	1/2	23,394	1/2	38,452	1/2	53,419	1/2	68,200	1/2	83,042	1/2	98,103	1/2	113,162	1/2	128,214	1/2	143,267
3/4	8,648	3/4	23,708	3/4	38,765	3/4	53,727	3/4	68,508	3/4	83,356	3/4	98,416	3/4	113,475	3/4	128,528	3/4	143,581
7	8,962	7	24,022	7	39,078	7	54,035	7	68,816	7	83,670	7	98,730	7	113,789	7	128,842	7	143,895
1/4	9,275	1/4	24,335	1/4	39,391	1/4	54,343	1/4	69,124	1/4	83,984	1/4	99,044	1/4	114,102	1/4	129,155	1/4	144,208
1/2	9,589	1/2	24,649	1/2	39,704	1/2	54,651	1/2	69,432	1/2	84,297	1/2	99,358	1/2	114,416	1/2	129,469	1/2	144,522
3/4	9,903	3/4	24,963	3/4	40,018	3/4	54,959	3/4	69,740	3/4	84,611	3/4	99,671	3/4	114,730	3/4	129,782	3/4	144,835
8	10,217	8	25,276	8	40,331	8	55,267	8	70,048	8	84,925	8	99,985	8	115,043	8	130,096	8	145,149
1/4	10,530	1/4	25,590	1/4	40,644	1/4	55,574	1/4	70,356	1/4	85,239	1/4	100,299	1/4	115,357	1/4	130,410	1/4	145,463
1/2	10,844	1/2	25,904	1/2	40,957	1/2	55,882	1/2	70,664	1/2	85,552	1/2	100,613	1/2	115,670	1/2	130,723	1/2	145,776
3/4	11,158	3/4	26,218	3/4	41,270	3/4	56,190	3/4	70,972	3/4	85,866	3/4	100,926	3/4	115,984	3/4	131,037	3/4	146,090
9	11,472	9	26,531	9	41,583	9	56,498	9	71,280	9	86,180	9	101,240	9	116,298	9	131,350	9	146,403
1/4	11,785	1/4	26,845	1/4	41,897	1/4	56,806	1/4	71,587	1/4	86,494	1/4	101,554	1/4	116,611	1/4	131,664	1/4	146,717
1/2	12,099	1/2	27,159	1/2	42,210	1/2	57,114	1/2	71,895	1/2	86,807	1/2	101,868	1/2	116,925	1/2	131,978	1/2	147,031
3/4	12,413	3/4	27,473	3/4	42,523	3/4	57,422	3/4	72,203	3/4	87,121	3/4	102,181	3/4	117,238	3/4	132,291	3/4	147,344
10	12,727	10	27,786	10	42,836	10	57,730	10	72,511	10	87,435	10	102,495	10	117,552	10	132,605	10	147,658
1/4	13,040	1/4	28,100	1/4	43,149	1/4	58,038	1/4	72,819	1/4	87,749	1/4	102,809	1/4	117,866	1/4	132,918	1/4	147,971
1/2	13,354	1/2	28,414	1/2	43,462	1/2	58,346	1/2	73,127	1/2	88,062	1/2	103,123	1/2	118,179	1/2	133,232	1/2	148,285
3/4	13,668	3/4	28,728	3/4	43,776	3/4	58,654	3/4	73,435	3/4	88,376	3/4	103,436	3/4	118,493	3/4	133,546	3/4	148,599
11	13,982	11	29,041	11	44,089	11	58,962	11	73,743	11	88,690	11	103,750	11	118,806	11	133,859	11	148,912
1/4	14,295	1/4	29,355	1/4	44,402	1/4	59,270	1/4	74,051	1/4	89,004	1/4	104,064	1/4	119,120	1/4	134,173	1/4	149,226
1/2	14,609	1/2	29,669	1/2	44,715	1/2	59,578	1/2	74,359	1/2	89,317	1/2	104,378	1/2	119,434	1/2	134,486	1/2	149,539
3/4	14,923	3/4	29,983	3/4	45,028	3/4	59,886	3/4	74,667	3/4	89,631	3/4	104,691	3/4	119,747	3/4	134,800	3/4	149,853

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP 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

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BARGE "CTC 29148"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3023"

GAUGE HEIGHT 15'-08 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	150,167	0	165,219	0	180,270	0	195,279	0	210,200	0		0		0		0		0	
1/4	150,480	1/4	165,533	1/4	180,583	1/4	195,592	1/4	210,496	1/4		1/4		1/4		1/4		1/4	
1/2	150,794	1/2	165,847	1/2	180,895	1/2	195,905	1/2	210,792	1/2		1/2		1/2		1/2		1/2	
3/4	151,107	3/4	166,160	3/4	181,208	3/4	196,217	3/4	211,088	3/4		3/4		3/4		3/4		3/4	
1	151,421	1	166,474	1	181,521	1	196,530	1	211,384	1		1		1		1		1	
1/4	151,735	1/4	166,787	1/4	181,834	1/4	196,843	1/4	211,645	1/4		1/4		1/4		1/4		1/4	
1/2	152,048	1/2	167,101	1/2	182,146	1/2	197,155	1/2	211,905	1/2		1/2		1/2		1/2		1/2	
3/4	152,362	3/4	167,415	3/4	182,459	3/4	197,468	3/4	212,165	3/4		3/4		3/4		3/4		3/4	
2	152,675	2	167,728	2	182,772	2	197,781	2	212,425	2		2		2		2		2	
1/4	152,989	1/4	168,042	1/4	183,084	1/4	198,092	1/4	212,641	1/4		1/4		1/4		1/4		1/4	
1/2	153,303	1/2	168,355	1/2	183,397	1/2	198,403	1/2	212,856	1/2		1/2		1/2		1/2		1/2	
3/4	153,616	3/4	168,669	3/4	183,710	3/4	198,715	3/4	213,071	3/4		3/4		3/4		3/4		3/4	
3	153,930	3	168,983	3	184,022	3	199,026	3	213,287	3		3		3		3		3	
1/4	154,243	1/4	169,296	1/4	184,335	1/4	199,337	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,557	1/2	169,610	1/2	184,648	1/2	199,647	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,871	3/4	169,923	3/4	184,960	3/4	199,958	3/4		3/4		3/4		3/4		3/4		3/4	
4	155,184	4	170,237	4	185,273	4	200,268	4		4		4		4		4		4	
1/4	155,498	1/4	170,551	1/4	185,586	1/4	200,579	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,811	1/2	170,864	1/2	185,899	1/2	200,889	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,125	3/4	171,178	3/4	186,211	3/4	201,200	3/4		3/4		3/4		3/4		3/4		3/4	
5	156,439	5	171,491	5	186,524	5	201,510	5		5		5		5		5		5	
1/4	156,752	1/4	171,805	1/4	186,837	1/4	201,821	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,066	1/2	172,119	1/2	187,149	1/2	202,131	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,379	3/4	172,432	3/4	187,462	3/4	202,442	3/4		3/4		3/4		3/4		3/4		3/4	
6	157,693	6	172,746	6	187,775	6	202,752	6		6		6		6		6		6	
1/4	158,007	1/4	173,060	1/4	188,087	1/4	203,063	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,320	1/2	173,373	1/2	188,400	1/2	203,373	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,634	3/4	173,687	3/4	188,713	3/4	203,684	3/4		3/4		3/4		3/4		3/4		3/4	
7	158,947	7	174,000	7	189,025	7	203,994	7		7		7		7		7		7	
1/4	159,261	1/4	174,314	1/4	189,338	1/4	204,305	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,575	1/2	174,628	1/2	189,651	1/2	204,615	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,888	3/4	174,941	3/4	189,964	3/4	204,926	3/4		3/4		3/4		3/4		3/4		3/4	
8	160,202	8	175,255	8	190,276	8	205,236	8		8		8		8		8		8	
1/4	160,515	1/4	175,568	1/4	190,589	1/4	205,547	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,829	1/2	175,882	1/2	190,902	1/2	205,857	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,143	3/4	176,196	3/4	191,214	3/4	206,168	3/4		3/4		3/4		3/4		3/4		3/4	
9	161,456	9	176,509	9	191,527	9	206,478	9		9		9		9		9		9	
1/4	161,770	1/4	176,823	1/4	191,840	1/4	206,789	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,083	1/2	177,136	1/2	192,152	1/2	207,099	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,397	3/4	177,450	3/4	192,465	3/4	207,410	3/4		3/4		3/4		3/4		3/4		3/4	
10	162,711	10	177,764	10	192,778	10	207,720	10		10		10		10		10		10	
1/4	163,024	1/4	178,077	1/4	193,090	1/4	208,031	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,338	1/2	178,391	1/2	193,403	1/2	208,341	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,651	3/4	178,704	3/4	193,716	3/4	208,652	3/4		3/4		3/4		3/4		3/4		3/4	
11	163,965	11	179,018	11	194,029	11	208,962	11		11		11		11		11		11	
1/4	164,279	1/4	179,331	1/4	194,341	1/4	209,272	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,592	1/2	179,644	1/2	194,654	1/2	209,581	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,906	3/4	179,957	3/4	194,967	3/4	209,891	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/13/2019 SW
CALCULATED: 05/14/2019 CL
NAME CHANGE: 03/22/2023 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023



BARGE "CTC 29148"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3023"

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	629	0	15,207	0	30,238	0	45,253	0	60,277	0	75,308	0	90,339	0	105,370	0	120,387	0	135,398
1/4	850	1/4	15,520	1/4	30,551	1/4	45,566	1/4	60,590	1/4	75,621	1/4	90,652	1/4	105,683	1/4	120,700	1/4	135,711
1/2	1,072	1/2	15,833	1/2	30,864	1/2	45,878	1/2	60,903	1/2	75,934	1/2	90,965	1/2	105,996	1/2	121,012	1/2	136,024
3/4	1,294	3/4	16,147	3/4	31,177	3/4	46,191	3/4	61,216	3/4	76,247	3/4	91,278	3/4	106,309	3/4	121,325	3/4	136,337
1	1,516	1	16,460	1	31,490	1	46,503	1	61,529	1	76,560	1	91,591	1	106,622	1	121,638	1	136,649
1/4	1,808	1/4	16,773	1/4	31,803	1/4	46,816	1/4	61,843	1/4	76,873	1/4	91,904	1/4	106,935	1/4	121,951	1/4	136,962
1/2	2,101	1/2	17,086	1/2	32,117	1/2	47,129	1/2	62,156	1/2	77,187	1/2	92,218	1/2	107,249	1/2	122,263	1/2	137,275
3/4	2,394	3/4	17,399	3/4	32,430	3/4	47,441	3/4	62,469	3/4	77,500	3/4	92,531	3/4	107,562	3/4	122,576	3/4	137,588
2	2,686	2	17,712	2	32,743	2	47,754	2	62,782	2	77,813	2	92,844	2	107,875	2	122,889	2	137,900
1/4	2,998	1/4	18,025	1/4	33,056	1/4	48,066	1/4	63,095	1/4	78,126	1/4	93,157	1/4	108,188	1/4	123,202	1/4	138,213
1/2	3,311	1/2	18,339	1/2	33,369	1/2	48,379	1/2	63,408	1/2	78,439	1/2	93,470	1/2	108,501	1/2	123,514	1/2	138,526
3/4	3,623	3/4	18,652	3/4	33,682	3/4	48,692	3/4	63,721	3/4	78,752	3/4	93,783	3/4	108,814	3/4	123,827	3/4	138,839
3	3,935	3	18,965	3	33,995	3	49,004	3	64,035	3	79,066	3	94,096	3	109,127	3	124,140	3	139,151
1/4	4,248	1/4	19,278	1/4	34,308	1/4	49,317	1/4	64,348	1/4	79,379	1/4	94,410	1/4	109,440	1/4	124,453	1/4	139,464
1/2	4,561	1/2	19,591	1/2	34,622	1/2	49,630	1/2	64,661	1/2	79,692	1/2	94,723	1/2	109,753	1/2	124,765	1/2	139,777
3/4	4,874	3/4	19,904	3/4	34,935	3/4	49,943	3/4	64,974	3/4	80,005	3/4	95,036	3/4	110,066	3/4	125,078	3/4	140,089
4	5,187	4	20,217	4	35,248	4	50,256	4	65,287	4	80,318	4	95,349	4	110,379	4	125,391	4	140,402
1/4	5,500	1/4	20,531	1/4	35,561	1/4	50,569	1/4	65,600	1/4	80,631	1/4	95,662	1/4	110,692	1/4	125,704	1/4	140,715
1/2	5,813	1/2	20,844	1/2	35,874	1/2	50,882	1/2	65,913	1/2	80,944	1/2	95,975	1/2	111,005	1/2	126,016	1/2	141,028
3/4	6,126	3/4	21,157	3/4	36,187	3/4	51,196	3/4	66,227	3/4	81,258	3/4	96,288	3/4	111,318	3/4	126,329	3/4	141,340
5	6,439	5	21,470	5	36,500	5	51,509	5	66,540	5	81,571	5	96,602	5	111,630	5	126,642	5	141,653
1/4	6,753	1/4	21,783	1/4	36,813	1/4	51,822	1/4	66,853	1/4	81,884	1/4	96,915	1/4	111,943	1/4	126,954	1/4	141,966
1/2	7,066	1/2	22,096	1/2	37,126	1/2	52,135	1/2	67,166	1/2	82,197	1/2	97,228	1/2	112,256	1/2	127,267	1/2	142,279
3/4	7,379	3/4	22,409	3/4	37,439	3/4	52,448	3/4	67,479	3/4	82,510	3/4	97,541	3/4	112,569	3/4	127,580	3/4	142,591
6	7,692	6	22,722	6	37,752	6	52,761	6	67,792	6	82,823	6	97,854	6	112,881	6	127,893	6	142,904
1/4	8,005	1/4	23,036	1/4	38,064	1/4	53,074	1/4	68,105	1/4	83,136	1/4	98,167	1/4	113,194	1/4	128,205	1/4	143,217
1/2	8,318	1/2	23,349	1/2	38,377	1/2	53,388	1/2	68,419	1/2	83,450	1/2	98,480	1/2	113,507	1/2	128,518	1/2	143,530
3/4	8,631	3/4	23,662	3/4	38,690	3/4	53,701	3/4	68,732	3/4	83,763	3/4	98,794	3/4	113,819	3/4	128,831	3/4	143,842
7	8,944	7	23,975	7	39,002	7	54,014	7	69,045	7	84,076	7	99,107	7	114,132	7	129,144	7	144,155
1/4	9,258	1/4	24,288	1/4	39,315	1/4	54,327	1/4	69,358	1/4	84,389	1/4	99,420	1/4	114,445	1/4	129,456	1/4	144,467
1/2	9,571	1/2	24,601	1/2	39,627	1/2	54,640	1/2	69,671	1/2	84,702	1/2	99,733	1/2	114,758	1/2	129,769	1/2	144,778
3/4	9,884	3/4	24,914	3/4	39,940	3/4	54,953	3/4	69,984	3/4	85,015	3/4	100,046	3/4	115,070	3/4	130,082	3/4	145,090
8	10,197	8	25,228	8	40,253	8	55,267	8	70,297	8	85,328	8	100,359	8	115,383	8	130,395	8	145,401
1/4	10,510	1/4	25,541	1/4	40,565	1/4	55,580	1/4	70,611	1/4	85,642	1/4	100,672	1/4	115,696	1/4	130,707	1/4	145,712
1/2	10,823	1/2	25,854	1/2	40,878	1/2	55,893	1/2	70,924	1/2	85,955	1/2	100,986	1/2	116,009	1/2	131,020	1/2	146,023
3/4	11,136	3/4	26,167	3/4	41,190	3/4	56,206	3/4	71,237	3/4	86,268	3/4	101,299	3/4	116,321	3/4	131,333	3/4	146,334
9	11,450	9	26,480	9	41,503	9	56,519	9	71,550	9	86,581	9	101,612	9	116,634	9	131,646	9	146,645
1/4	11,763	1/4	26,793	1/4	41,815	1/4	56,832	1/4	71,863	1/4	86,894	1/4	101,925	1/4	116,947	1/4	131,958	1/4	146,955
1/2	12,076	1/2	27,106	1/2	42,128	1/2	57,145	1/2	72,176	1/2	87,207	1/2	102,238	1/2	117,260	1/2	132,271	1/2	147,266
3/4	12,389	3/4	27,419	3/4	42,440	3/4	57,459	3/4	72,489	3/4	87,520	3/4	102,551	3/4	117,572	3/4	132,584	3/4	147,577
10	12,702	10	27,733	10	42,753	10	57,772	10	72,803	10	87,834	10	102,864	10	117,885	10	132,897	10	147,888
1/4	13,015	1/4	28,046	1/4	43,065	1/4	58,085	1/4	73,116	1/4	88,147	1/4	103,178	1/4	118,198	1/4	133,209	1/4	148,199
1/2	13,328	1/2	28,359	1/2	43,378	1/2	58,398	1/2	73,429	1/2	88,460	1/2	103,491	1/2	118,511	1/2	133,522	1/2	148,510
3/4	13,642	3/4	28,672	3/4	43,691	3/4	58,711	3/4	73,742	3/4	88,773	3/4	103,804	3/4	118,823	3/4	133,835	3/4	148,821
11	13,955	11	28,985	11	44,003	11	59,024	11	74,055	11	89,086	11	104,117	11	119,136	11	134,147	11	149,132
1/4	14,268	1/4	29,298	1/4	44,316	1/4	59,337	1/4	74,368	1/4	89,399	1/4	104,430	1/4	119,449	1/4	134,460	1/4	149,443
1/2	14,581	1/2	29,611	1/2	44,628	1/2	59,651	1/2	74,681	1/2	89,712	1/2	104,743	1/2	119,762	1/2	134,773	1/2	149,754
3/4	14,894	3/4	29,925	3/4	44,941	3/4	59,964	3/4	74,995	3/4	90,026	3/4	105,057	3/4	120,074	3/4	135,086	3/4	150,065

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP 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 "CTC 29148"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3023"

GAUGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	150,376	0	161,858	0	172,233	0	182,581	0	192,866	0		0		0		0		0	
1/4	150,687	1/4	162,074	1/4	172,449	1/4	182,796	1/4	193,065	1/4		1/4		1/4		1/4		1/4	
1/2	150,999	1/2	162,290	1/2	172,664	1/2	183,012	1/2	193,265	1/2		1/2		1/2		1/2		1/2	
3/4	151,310	3/4	162,506	3/4	172,880	3/4	183,228	3/4	193,464	3/4		3/4		3/4		3/4		3/4	
1	151,621	1	162,723	1	173,096	1	183,443	1	193,664	1		1		1		1		1	
1/4	151,888	1/4	162,939	1/4	173,311	1/4	183,659	1/4	193,828	1/4		1/4		1/4		1/4		1/4	
1/2	152,155	1/2	163,155	1/2	173,527	1/2	183,874	1/2	193,992	1/2		1/2		1/2		1/2		1/2	
3/4	152,422	3/4	163,371	3/4	173,742	3/4	184,090	3/4	194,155	3/4		3/4		3/4		3/4		3/4	
2	152,689	2	163,587	2	173,958	2	184,305	2	194,319	2		2		2		2		2	
1/4	152,929	1/4	163,804	1/4	174,173	1/4	184,520	1/4	194,438	1/4		1/4		1/4		1/4		1/4	
1/2	153,170	1/2	164,020	1/2	174,389	1/2	184,735	1/2	194,557	1/2		1/2		1/2		1/2		1/2	
3/4	153,410	3/4	164,236	3/4	174,605	3/4	184,949	3/4	194,677	3/4		3/4		3/4		3/4		3/4	
3	153,651	3	164,452	3	174,820	3	185,164	3	194,796	3		3		3		3		3	
1/4	153,891	1/4	164,668	1/4	175,036	1/4	185,378	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,131	1/2	164,884	1/2	175,251	1/2	185,592	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,372	3/4	165,101	3/4	175,467	3/4	185,806	3/4		3/4		3/4		3/4		3/4		3/4	
4	154,612	4	165,317	4	175,682	4	186,020	4		4		4		4		4		4	
1/4	154,853	1/4	165,533	1/4	175,898	1/4	186,234	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,093	1/2	165,749	1/2	176,114	1/2	186,448	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,334	3/4	165,965	3/4	176,329	3/4	186,662	3/4		3/4		3/4		3/4		3/4		3/4	
5	155,574	5	166,182	5	176,545	5	186,876	5		5		5		5		5		5	
1/4	155,815	1/4	166,398	1/4	176,760	1/4	187,091	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,055	1/2	166,614	1/2	176,976	1/2	187,305	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,296	3/4	166,830	3/4	177,191	3/4	187,519	3/4		3/4		3/4		3/4		3/4		3/4	
6	156,536	6	167,046	6	177,407	6	187,733	6		6		6		6		6		6	
1/4	156,776	1/4	167,263	1/4	177,623	1/4	187,947	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,017	1/2	167,479	1/2	177,838	1/2	188,161	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,257	3/4	167,695	3/4	178,054	3/4	188,375	3/4		3/4		3/4		3/4		3/4		3/4	
7	157,498	7	167,911	7	178,269	7	188,589	7		7		7		7		7		7	
1/4	157,723	1/4	168,127	1/4	178,485	1/4	188,803	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,948	1/2	168,343	1/2	178,701	1/2	189,017	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,174	3/4	168,560	3/4	178,916	3/4	189,231	3/4		3/4		3/4		3/4		3/4		3/4	
8	158,399	8	168,776	8	179,132	8	189,445	8		8		8		8		8		8	
1/4	158,615	1/4	168,992	1/4	179,347	1/4	189,659	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,831	1/2	169,208	1/2	179,563	1/2	189,873	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,048	3/4	169,424	3/4	179,778	3/4	190,087	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,264	9	169,641	9	179,994	9	190,301	9		9		9		9		9		9	
1/4	159,480	1/4	169,857	1/4	180,210	1/4	190,516	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,696	1/2	170,073	1/2	180,425	1/2	190,730	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,912	3/4	170,289	3/4	180,641	3/4	190,944	3/4		3/4		3/4		3/4		3/4		3/4	
10	160,128	10	170,505	10	180,856	10	191,158	10		10		10		10		10		10	
1/4	160,345	1/4	170,721	1/4	181,072	1/4	191,372	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,561	1/2	170,938	1/2	181,287	1/2	191,586	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,777	3/4	171,154	3/4	181,503	3/4	191,800	3/4		3/4		3/4		3/4		3/4		3/4	
11	160,993	11	171,370	11	181,719	11	192,013	11		11		11		11		11		11	
1/4	161,209	1/4	171,586	1/4	181,934	1/4	192,226	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,426	1/2	171,802	1/2	182,150	1/2	192,440	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,642	3/4	172,017	3/4	182,365	3/4	192,653	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/13/2019 SW
CALCULATED: 05/14/2019 CL
NAME CHANGE: 03/22/2023 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023



BARGE "CTC 29148"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3023"

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	628	0	15,179	0	30,168	0	45,144	0	59,750	0	74,597	0	89,452	0	104,439	0	119,404	0	134,369
1/4	850	1/4	15,491	1/4	30,480	1/4	45,456	1/4	60,051	1/4	74,906	1/4	89,764	1/4	104,752	1/4	119,716	1/4	134,681
1/2	1,071	1/2	15,803	1/2	30,793	1/2	45,767	1/2	60,352	1/2	75,215	1/2	90,076	1/2	105,064	1/2	120,028	1/2	134,993
3/4	1,293	3/4	16,116	3/4	31,105	3/4	46,079	3/4	60,653	3/4	75,525	3/4	90,388	3/4	105,376	3/4	120,339	3/4	135,305
1	1,514	1	16,428	1	31,417	1	46,391	1	60,954	1	75,834	1	90,701	1	105,688	1	120,651	1	135,616
1/4	1,806	1/4	16,740	1/4	31,730	1/4	46,703	1/4	61,256	1/4	76,143	1/4	91,013	1/4	106,001	1/4	120,963	1/4	135,928
1/2	2,099	1/2	17,053	1/2	32,042	1/2	47,014	1/2	61,559	1/2	76,453	1/2	91,325	1/2	106,313	1/2	121,274	1/2	136,240
3/4	2,391	3/4	17,365	3/4	32,354	3/4	47,326	3/4	61,861	3/4	76,762	3/4	91,637	3/4	106,625	3/4	121,586	3/4	136,552
2	2,683	2	17,677	2	32,666	2	47,638	2	62,163	2	77,071	2	91,950	2	106,937	2	121,898	2	136,863
1/4	2,995	1/4	17,990	1/4	32,979	1/4	47,950	1/4	62,468	1/4	77,381	1/4	92,262	1/4	107,250	1/4	122,210	1/4	137,175
1/2	3,307	1/2	18,302	1/2	33,291	1/2	48,261	1/2	62,772	1/2	77,690	1/2	92,574	1/2	107,562	1/2	122,522	1/2	137,487
3/4	3,619	3/4	18,614	3/4	33,603	3/4	48,573	3/4	63,076	3/4	77,999	3/4	92,886	3/4	107,874	3/4	122,833	3/4	137,799
3	3,931	3	18,926	3	33,916	3	48,885	3	63,380	3	78,309	3	93,199	3	108,186	3	123,145	3	138,111
1/4	4,244	1/4	19,238	1/4	34,228	1/4	49,192	1/4	63,690	1/4	78,618	1/4	93,511	1/4	108,499	1/4	123,457	1/4	138,422
1/2	4,556	1/2	19,551	1/2	34,540	1/2	49,498	1/2	63,999	1/2	78,927	1/2	93,823	1/2	108,811	1/2	123,769	1/2	138,734
3/4	4,869	3/4	19,863	3/4	34,853	3/4	49,804	3/4	64,308	3/4	79,237	3/4	94,135	3/4	109,123	3/4	124,080	3/4	139,046
4	5,182	4	20,175	4	35,165	4	50,111	4	64,618	4	79,546	4	94,448	4	109,435	4	124,392	4	139,358
1/4	5,494	1/4	20,487	1/4	35,477	1/4	50,412	1/4	64,930	1/4	79,855	1/4	94,760	1/4	109,746	1/4	124,704	1/4	139,669
1/2	5,807	1/2	20,799	1/2	35,790	1/2	50,714	1/2	65,242	1/2	80,164	1/2	95,072	1/2	110,058	1/2	125,016	1/2	139,981
3/4	6,120	3/4	21,111	3/4	36,102	3/4	51,016	3/4	65,554	3/4	80,474	3/4	95,384	3/4	110,370	3/4	125,328	3/4	140,293
5	6,433	5	21,423	5	36,414	5	51,318	5	65,866	5	80,783	5	95,697	5	110,681	5	125,639	5	140,605
1/4	6,745	1/4	21,736	1/4	36,726	1/4	51,619	1/4	66,178	1/4	81,092	1/4	96,009	1/4	110,993	1/4	125,951	1/4	140,917
1/2	7,058	1/2	22,048	1/2	37,038	1/2	51,920	1/2	66,490	1/2	81,402	1/2	96,321	1/2	111,304	1/2	126,263	1/2	141,228
3/4	7,370	3/4	22,360	3/4	37,350	3/4	52,221	3/4	66,802	3/4	81,711	3/4	96,633	3/4	111,616	3/4	126,575	3/4	141,540
6	7,683	6	22,672	6	37,662	6	52,523	6	67,114	6	82,020	6	96,946	6	111,928	6	126,886	6	141,852
1/4	7,995	1/4	22,985	1/4	37,974	1/4	52,824	1/4	67,426	1/4	82,330	1/4	97,258	1/4	112,239	1/4	127,198	1/4	142,164
1/2	8,308	1/2	23,297	1/2	38,286	1/2	53,125	1/2	67,738	1/2	82,639	1/2	97,570	1/2	112,551	1/2	127,510	1/2	142,475
3/4	8,620	3/4	23,609	3/4	38,598	3/4	53,426	3/4	68,050	3/4	82,948	3/4	97,882	3/4	112,862	3/4	127,822	3/4	142,787
7	8,932	7	23,922	7	38,910	7	53,727	7	68,362	7	83,258	7	98,195	7	113,174	7	128,134	7	143,099
1/4	9,245	1/4	24,234	1/4	39,221	1/4	54,028	1/4	68,674	1/4	83,567	1/4	98,507	1/4	113,485	1/4	128,445	1/4	143,410
1/2	9,557	1/2	24,546	1/2	39,533	1/2	54,329	1/2	68,986	1/2	83,876	1/2	98,819	1/2	113,797	1/2	128,757	1/2	143,720
3/4	9,869	3/4	24,859	3/4	39,845	3/4	54,630	3/4	69,298	3/4	84,186	3/4	99,131	3/4	114,108	3/4	129,069	3/4	144,031
8	10,182	8	25,171	8	40,156	8	54,932	8	69,610	8	84,495	8	99,444	8	114,420	8	129,381	8	144,341
1/4	10,494	1/4	25,483	1/4	40,468	1/4	55,233	1/4	69,922	1/4	84,804	1/4	99,756	1/4	114,731	1/4	129,692	1/4	144,651
1/2	10,806	1/2	25,796	1/2	40,780	1/2	55,534	1/2	70,234	1/2	85,114	1/2	100,068	1/2	115,043	1/2	130,004	1/2	144,961
3/4	11,119	3/4	26,108	3/4	41,092	3/4	55,835	3/4	70,546	3/4	85,423	3/4	100,380	3/4	115,354	3/4	130,316	3/4	145,271
9	11,431	9	26,420	9	41,403	9	56,136	9	70,858	9	85,732	9	100,693	9	115,666	9	130,628	9	145,581
1/4	11,743	1/4	26,733	1/4	41,715	1/4	56,437	1/4	71,171	1/4	86,042	1/4	101,005	1/4	115,977	1/4	130,940	1/4	145,891
1/2	12,056	1/2	27,045	1/2	42,027	1/2	56,738	1/2	71,483	1/2	86,351	1/2	101,317	1/2	116,289	1/2	131,251	1/2	146,200
3/4	12,368	3/4	27,357	3/4	42,339	3/4	57,039	3/4	71,795	3/4	86,660	3/4	101,629	3/4	116,600	3/4	131,563	3/4	146,510
10	12,680	10	27,669	10	42,650	10	57,341	10	72,107	10	86,970	10	101,942	10	116,912	10	131,875	10	146,820
1/4	12,993	1/4	27,982	1/4	42,962	1/4	57,642	1/4	72,419	1/4	87,279	1/4	102,254	1/4	117,223	1/4	132,187	1/4	147,131
1/2	13,305	1/2	28,294	1/2	43,274	1/2	57,943	1/2	72,731	1/2	87,588	1/2	102,566	1/2	117,535	1/2	132,498	1/2	147,441
3/4	13,617	3/4	28,606	3/4	43,585	3/4	58,244	3/4	73,043	3/4	87,898	3/4	102,878	3/4	117,847	3/4	132,810	3/4	147,751
11	13,929	11	28,919	11	43,897	11	58,545	11	73,355	11	88,207	11	103,191	11	118,158	11	133,122	11	148,062
1/4	14,242	1/4	29,231	1/4	44,209	1/4	58,846	1/4	73,666	1/4	88,518	1/4	103,503	1/4	118,470	1/4	133,434	1/4	148,372
1/2	14,554	1/2	29,543	1/2	44,521	1/2	59,147	1/2	73,976	1/2	88,829	1/2	103,815	1/2	118,781	1/2	133,746	1/2	148,683
3/4	14,866	3/4	29,856	3/4	44,832	3/4	59,449	3/4	74,286	3/4	89,140	3/4	104,127	3/4	119,093	3/4	134,057	3/4	148,994

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP 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 "CTC 29148"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3023"

GAUGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	149,304	0	160,773	0	171,137	0	181,473	0	191,747	0		0		0		0		0	
1/4	149,615	1/4	160,989	1/4	171,352	1/4	181,688	1/4	191,946	1/4		1/4		1/4		1/4		1/4	
1/2	149,926	1/2	161,205	1/2	171,567	1/2	181,904	1/2	192,145	1/2		1/2		1/2		1/2		1/2	
3/4	150,236	3/4	161,421	3/4	171,783	3/4	182,119	3/4	192,345	3/4		3/4		3/4		3/4		3/4	
1	150,547	1	161,636	1	171,998	1	182,334	1	192,544	1		1		1		1		1	
1/4	150,814	1/4	161,852	1/4	172,213	1/4	182,550	1/4	192,708	1/4		1/4		1/4		1/4		1/4	
1/2	151,080	1/2	162,068	1/2	172,429	1/2	182,765	1/2	192,871	1/2		1/2		1/2		1/2		1/2	
3/4	151,347	3/4	162,284	3/4	172,644	3/4	182,980	3/4	193,035	3/4		3/4		3/4		3/4		3/4	
2	151,613	2	162,500	2	172,859	2	183,196	2	193,199	2		2		2		2		2	
1/4	151,854	1/4	162,716	1/4	173,075	1/4	183,410	1/4	193,318	1/4		1/4		1/4		1/4		1/4	
1/2	152,094	1/2	162,932	1/2	173,290	1/2	183,625	1/2	193,437	1/2		1/2		1/2		1/2		1/2	
3/4	152,334	3/4	163,148	3/4	173,505	3/4	183,839	3/4	193,556	3/4		3/4		3/4		3/4		3/4	
3	152,574	3	163,364	3	173,721	3	184,053	3	193,674	3		3		3		3		3	
1/4	152,814	1/4	163,580	1/4	173,936	1/4	184,267	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,055	1/2	163,796	1/2	174,151	1/2	184,481	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,295	3/4	164,012	3/4	174,367	3/4	184,695	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,535	4	164,228	4	174,582	4	184,909	4		4		4		4		4		4	
1/4	153,775	1/4	164,444	1/4	174,797	1/4	185,122	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,015	1/2	164,660	1/2	175,013	1/2	185,336	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,256	3/4	164,876	3/4	175,228	3/4	185,550	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,496	5	165,092	5	175,444	5	185,764	5		5		5		5		5		5	
1/4	154,736	1/4	165,308	1/4	175,659	1/4	185,978	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,976	1/2	165,524	1/2	175,874	1/2	186,192	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,216	3/4	165,740	3/4	176,090	3/4	186,405	3/4		3/4		3/4		3/4		3/4		3/4	
6	155,457	6	165,955	6	176,305	6	186,619	6		6		6		6		6		6	
1/4	155,697	1/4	166,171	1/4	176,520	1/4	186,833	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,937	1/2	166,387	1/2	176,736	1/2	187,047	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,177	3/4	166,603	3/4	176,951	3/4	187,261	3/4		3/4		3/4		3/4		3/4		3/4	
7	156,417	7	166,819	7	177,166	7	187,475	7		7		7		7		7		7	
1/4	156,642	1/4	167,035	1/4	177,382	1/4	187,688	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,867	1/2	167,251	1/2	177,597	1/2	187,902	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,092	3/4	167,467	3/4	177,812	3/4	188,116	3/4		3/4		3/4		3/4		3/4		3/4	
8	157,318	8	167,683	8	178,028	8	188,330	8		8		8		8		8		8	
1/4	157,533	1/4	167,899	1/4	178,243	1/4	188,544	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,749	1/2	168,115	1/2	178,458	1/2	188,758	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,965	3/4	168,331	3/4	178,674	3/4	188,971	3/4		3/4		3/4		3/4		3/4		3/4	
9	158,181	9	168,547	9	178,889	9	189,185	9		9		9		9		9		9	
1/4	158,397	1/4	168,763	1/4	179,104	1/4	189,399	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,613	1/2	168,979	1/2	179,320	1/2	189,613	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,829	3/4	169,195	3/4	179,535	3/4	189,827	3/4		3/4		3/4		3/4		3/4		3/4	
10	159,045	10	169,411	10	179,750	10	190,041	10		10		10		10		10		10	
1/4	159,261	1/4	169,627	1/4	179,966	1/4	190,254	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,477	1/2	169,843	1/2	180,181	1/2	190,468	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,693	3/4	170,058	3/4	180,396	3/4	190,682	3/4		3/4		3/4		3/4		3/4		3/4	
11	159,909	11	170,274	11	180,612	11	190,895	11		11		11		11		11		11	
1/4	160,125	1/4	170,490	1/4	180,827	1/4	191,108	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,341	1/2	170,706	1/2	181,042	1/2	191,321	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,557	3/4	170,921	3/4	181,258	3/4	191,534	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/13/2019 SW
CALCULATED: 05/14/2019 CL
NAME CHANGE: 03/22/2023 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
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CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023



BARGE "CTC 29148"

PORT SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3023"

GAUGE HEIGHT 5'-05 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	1,152	0	2,303	0	3,455	0	4,601	0		0	6 FT.	0	7 FT.	0	8 FT.	0	9 FT.
1/4	24	1/4	1,176	1/4	2,327	1/4	3,479	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	48	1/2	1,200	1/2	2,351	1/2	3,503	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72	3/4	1,224	3/4	2,375	3/4	3,527	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	96	1	1,248	1	2,399	1	3,551	1		1		1	1	1	1	1	1	1	1
1/4	120	1/4	1,272	1/4	2,423	1/4	3,575	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	144	1/2	1,296	1/2	2,447	1/2	3,599	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	168	3/4	1,320	3/4	2,471	3/4	3,623	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	192	2	1,344	2	2,495	2	3,647	2		2		2	2	2	2	2	2	2	2
1/4	216	1/4	1,368	1/4	2,519	1/4	3,671	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	240	1/2	1,392	1/2	2,543	1/2	3,695	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	264	3/4	1,416	3/4	2,567	3/4	3,719	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	288	3	1,440	3	2,591	3	3,743	3		3		3	3	3	3	3	3	3	3
1/4	312	1/4	1,464	1/4	2,615	1/4	3,767	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	336	1/2	1,488	1/2	2,639	1/2	3,791	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	360	3/4	1,512	3/4	2,663	3/4	3,815	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	384	4	1,536	4	2,687	4	3,839	4		4		4	4	4	4	4	4	4	4
1/4	408	1/4	1,560	1/4	2,711	1/4	3,863	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	432	1/2	1,584	1/2	2,735	1/2	3,887	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	456	3/4	1,608	3/4	2,759	3/4	3,911	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	480	5	1,633	5	2,783	5	3,935	5		5		5	5	5	5	5	5	5	5
1/4	504	1/4	1,657	1/4	2,807	1/4	3,959	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	528	1/2	1,681	1/2	2,831	1/2	3,983	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	552	3/4	1,705	3/4	2,855	3/4	4,007	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	576	6	1,729	6	2,879	6	4,031	6		6		6	6	6	6	6	6	6	6
1/4	600	1/4	1,752	1/4	2,903	1/4	4,055	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	624	1/2	1,776	1/2	2,927	1/2	4,079	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	648	3/4	1,800	3/4	2,951	3/4	4,103	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	672	7	1,824	7	2,975	7	4,127	7		7		7	7	7	7	7	7	7	7
1/4	696	1/4	1,848	1/4	2,999	1/4	4,151	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	720	1/2	1,872	1/2	3,023	1/2	4,175	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	744	3/4	1,895	3/4	3,047	3/4	4,198	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	768	8	1,919	8	3,071	8	4,222	8		8		8	8	8	8	8	8	8	8
1/4	792	1/4	1,943	1/4	3,095	1/4	4,246	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	816	1/2	1,967	1/2	3,119	1/2	4,270	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	840	3/4	1,991	3/4	3,143	3/4	4,293	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	864	9	2,015	9	3,167	9	4,317	9		9		9	9	9	9	9	9	9	9
1/4	888	1/4	2,039	1/4	3,191	1/4	4,341	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	912	1/2	2,063	1/2	3,215	1/2	4,364	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	936	3/4	2,087	3/4	3,239	3/4	4,388	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	960	10	2,111	10	3,263	10	4,412	10		10		10	10	10	10	10	10	10	10
1/4	984	1/4	2,135	1/4	3,287	1/4	4,435	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,008	1/2	2,159	1/2	3,311	1/2	4,459	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,032	3/4	2,183	3/4	3,335	3/4	4,483	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,056	11	2,207	11	3,359	11	4,507	11		11		11	11	11	11	11	11	11	11
1/4	1,080	1/4	2,231	1/4	3,383	1/4	4,530	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,104	1/2	2,255	1/2	3,407	1/2	4,554	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,128	3/4	2,279	3/4	3,431	3/4	4,578	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF "HERMETIC" VALVE.

STRAPPED: 05/13/2019 SW
CALCULATED: 05/14/2019 CL
NAME CHANGE: 03/22/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CTC 29148"

STBD SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3023"

GAUGE HEIGHT 5'-05 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	1,152	0	2,303	0	3,455	0	4,601	0		0	6 FT.	0	7 FT.	0	8 FT.	0	9 FT.
1/4	24	1/4	1,176	1/4	2,327	1/4	3,479	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	48	1/2	1,200	1/2	2,351	1/2	3,503	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	72	3/4	1,224	3/4	2,375	3/4	3,527	3/4		3/4		3/4		3/4		3/4		3/4	
1	96	1	1,248	1	2,399	1	3,551	1		1		1		1		1		1	
1/4	120	1/4	1,272	1/4	2,423	1/4	3,575	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	144	1/2	1,296	1/2	2,447	1/2	3,599	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	168	3/4	1,320	3/4	2,471	3/4	3,623	3/4		3/4		3/4		3/4		3/4		3/4	
2	192	2	1,344	2	2,495	2	3,647	2		2		2		2		2		2	
1/4	216	1/4	1,368	1/4	2,519	1/4	3,671	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	240	1/2	1,392	1/2	2,543	1/2	3,695	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	264	3/4	1,416	3/4	2,567	3/4	3,719	3/4		3/4		3/4		3/4		3/4		3/4	
3	288	3	1,440	3	2,591	3	3,743	3		3		3		3		3		3	
1/4	312	1/4	1,464	1/4	2,615	1/4	3,767	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	336	1/2	1,488	1/2	2,639	1/2	3,791	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	360	3/4	1,512	3/4	2,663	3/4	3,815	3/4		3/4		3/4		3/4		3/4		3/4	
4	384	4	1,536	4	2,687	4	3,839	4		4		4		4		4		4	
1/4	408	1/4	1,560	1/4	2,711	1/4	3,863	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	432	1/2	1,584	1/2	2,735	1/2	3,887	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	456	3/4	1,608	3/4	2,759	3/4	3,911	3/4		3/4		3/4		3/4		3/4		3/4	
5	480	5	1,633	5	2,783	5	3,935	5		5		5		5		5		5	
1/4	504	1/4	1,657	1/4	2,807	1/4	3,959	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	528	1/2	1,681	1/2	2,831	1/2	3,983	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	552	3/4	1,705	3/4	2,855	3/4	4,007	3/4		3/4		3/4		3/4		3/4		3/4	
6	576	6	1,729	6	2,879	6	4,031	6		6		6		6		6		6	
1/4	600	1/4	1,752	1/4	2,903	1/4	4,055	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	624	1/2	1,776	1/2	2,927	1/2	4,079	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	648	3/4	1,800	3/4	2,951	3/4	4,103	3/4		3/4		3/4		3/4		3/4		3/4	
7	672	7	1,824	7	2,975	7	4,127	7		7		7		7		7		7	
1/4	696	1/4	1,848	1/4	2,999	1/4	4,151	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	720	1/2	1,872	1/2	3,023	1/2	4,175	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	744	3/4	1,895	3/4	3,047	3/4	4,198	3/4		3/4		3/4		3/4		3/4		3/4	
8	768	8	1,919	8	3,071	8	4,222	8		8		8		8		8		8	
1/4	792	1/4	1,943	1/4	3,095	1/4	4,246	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	816	1/2	1,967	1/2	3,119	1/2	4,270	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	840	3/4	1,991	3/4	3,143	3/4	4,293	3/4		3/4		3/4		3/4		3/4		3/4	
9	864	9	2,015	9	3,167	9	4,317	9		9		9		9		9		9	
1/4	888	1/4	2,039	1/4	3,191	1/4	4,341	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	912	1/2	2,063	1/2	3,215	1/2	4,364	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	936	3/4	2,087	3/4	3,239	3/4	4,388	3/4		3/4		3/4		3/4		3/4		3/4	
10	960	10	2,111	10	3,263	10	4,412	10		10		10		10		10		10	
1/4	984	1/4	2,135	1/4	3,287	1/4	4,435	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,008	1/2	2,159	1/2	3,311	1/2	4,459	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,032	3/4	2,183	3/4	3,335	3/4	4,483	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,056	11	2,207	11	3,359	11	4,507	11		11		11		11		11		11	
1/4	1,080	1/4	2,231	1/4	3,383	1/4	4,530	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,104	1/2	2,255	1/2	3,407	1/2	4,554	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,128	3/4	2,279	3/4	3,431	3/4	4,578	3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF "HERMETIC" VALVE.

STRAPPED: 05/13/2019 SW
CALCULATED: 05/14/2019 CL
NAME CHANGE: 03/22/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29148"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3023"

GAUGE HEIGHT 4' 05 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	101	0	259	0	416	0	517	0		0	6 FT.	0	7 FT.	0	8 FT.	0	9 FT.
1/4	1	1/4	104	1/4	262	1/4	419	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	1	1/2	107	1/2	265	1/2	422	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	2	3/4	110	3/4	269	3/4	425	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
1	3	1	113	1	272	1	428	1	1	1	1	1	6 FT.	1	7 FT.	1	8 FT.	1	9 FT.
1/4	4	1/4	116	1/4	276	1/4	430	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	5	1/2	119	1/2	279	1/2	433	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	6	3/4	122	3/4	282	3/4	436	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
2	7	2	125	2	286	2	439	2	2	2	2	2	6 FT.	2	7 FT.	2	8 FT.	2	9 FT.
1/4	9	1/4	129	1/4	289	1/4	442	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	10	1/2	132	1/2	293	1/2	444	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	12	3/4	135	3/4	296	3/4	447	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
3	13	3	138	3	300	3	450	3	3	3	3	3	6 FT.	3	7 FT.	3	8 FT.	3	9 FT.
1/4	15	1/4	141	1/4	303	1/4	453	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	17	1/2	144	1/2	306	1/2	455	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	19	3/4	148	3/4	310	3/4	458	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
4	21	4	151	4	313	4	460	4	4	4	4	4	6 FT.	4	7 FT.	4	8 FT.	4	9 FT.
1/4	23	1/4	154	1/4	316	1/4	463	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	25	1/2	157	1/2	320	1/2	465	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	27	3/4	161	3/4	323	3/4	468	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
5	29	5	164	5	327	5	470	5	5	5	5	5	6 FT.	5	7 FT.	5	8 FT.	5	9 FT.
1/4	31	1/4	167	1/4	330	1/4	473	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	33	1/2	170	1/2	333	1/2	475	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	35	3/4	174	3/4	337	3/4	477	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
6	37	6	177	6	340	6	480	6	6	6	6	6	6 FT.	6	7 FT.	6	8 FT.	6	9 FT.
1/4	40	1/4	180	1/4	343	1/4	482	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	42	1/2	184	1/2	347	1/2	484	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	44	3/4	187	3/4	350	3/4	486	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
7	47	7	190	7	353	7	488	7	7	7	7	7	6 FT.	7	7 FT.	7	8 FT.	7	9 FT.
1/4	49	1/4	194	1/4	356	1/4	490	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	52	1/2	197	1/2	360	1/2	492	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	54	3/4	201	3/4	363	3/4	494	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
8	57	8	204	8	366	8	496	8	8	8	8	8	6 FT.	8	7 FT.	8	8 FT.	8	9 FT.
1/4	59	1/4	207	1/4	369	1/4	498	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	62	1/2	211	1/2	373	1/2	500	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	64	3/4	214	3/4	376	3/4	502	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
9	67	9	217	9	379	9	504	9	9	9	9	9	6 FT.	9	7 FT.	9	8 FT.	9	9 FT.
1/4	70	1/4	221	1/4	382	1/4	505	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	73	1/2	224	1/2	385	1/2	507	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	75	3/4	228	3/4	388	3/4	508	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
10	78	10	231	10	392	10	510	10	10	10	10	10	6 FT.	10	7 FT.	10	8 FT.	10	9 FT.
1/4	81	1/4	235	1/4	395	1/4	511	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	84	1/2	238	1/2	398	1/2	512	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	87	3/4	241	3/4	401	3/4	513	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
11	89	11	245	11	404	11	514	11	11	11	11	11	6 FT.	11	7 FT.	11	8 FT.	11	9 FT.
1/4	92	1/4	248	1/4	407	1/4	515	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	95	1/2	252	1/2	410	1/2	516	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	98	3/4	255	3/4	413	3/4	516	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.

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

STRAPPED: 05/13/2019 SW
CALCULATED: 05/14/2019 CL
NAME CHANGE: 03/22/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CTC 29148"

ULLAGE TRIM TABLE

FORMERLY "NGL 3023"

	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	- 00-0/8	00-0/8	- 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"

March 22, 2023

PRECISION MEASUREMENT
 & ANALYSIS, INC.

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 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29148"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3023"

GAUGE HEIGHT 15'-08 1/2"

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	203,812	0	188,854	0	173,831	0	158,775	0	143,720	0	128,664	0	113,608	0	98,547
1/4		1/4		1/4	203,501	1/4	188,541	1/4	173,518	1/4	158,462	1/4	143,406	1/4	128,350	1/4	113,294	1/4	98,233
1/2		1/2		1/2	203,191	1/2	188,228	1/2	173,204	1/2	158,148	1/2	143,092	1/2	128,036	1/2	112,980	1/2	97,919
3/4		3/4		3/4	202,880	3/4	187,916	3/4	172,890	3/4	157,834	3/4	142,779	3/4	127,733	3/4	112,667	3/4	97,606
1		1		1	202,570	1	187,603	1	172,577	1	157,521	1	142,465	1	127,409	1	112,353	1	97,292
1/4		1/4		1/4	202,259	1/4	187,290	1/4	172,263	1/4	157,207	1/4	142,151	1/4	127,095	1/4	112,039	1/4	96,978
1/2		1/2		1/2	201,949	1/2	186,977	1/2	171,949	1/2	156,893	1/2	141,838	1/2	126,782	1/2	111,726	1/2	96,664
3/4		3/4		3/4	201,638	3/4	186,665	3/4	171,636	3/4	156,580	3/4	141,524	3/4	126,468	3/4	111,412	3/4	96,350
2		2		2	201,328	2	186,352	2	171,322	2	156,266	2	141,210	2	126,154	2	111,099	2	96,037
1/4		1/4		1/4	201,017	1/4	186,039	1/4	171,008	1/4	155,952	1/4	140,897	1/4	125,841	1/4	110,785	1/4	95,723
1/2		1/2		1/2	200,706	1/2	185,726	1/2	170,695	1/2	155,639	1/2	140,583	1/2	125,527	1/2	110,471	1/2	95,409
3/4		3/4		3/4	200,396	3/4	185,414	3/4	170,381	3/4	155,325	3/4	140,269	3/4	125,213	3/4	110,158	3/4	95,095
3		3		3	200,085	3	185,101	3	170,067	3	155,011	3	139,956	3	124,900	3	109,844	3	94,781
1/4		1/4		1/4	199,775	1/4	184,788	1/4	169,754	1/4	154,698	1/4	139,642	1/4	124,586	1/4	109,530	1/4	94,467
1/2		1/2		1/2	199,464	1/2	184,475	1/2	169,440	1/2	154,384	1/2	139,328	1/2	124,272	1/2	109,217	1/2	94,154
3/4		3/4		3/4	199,154	3/4	184,163	3/4	169,126	3/4	154,070	3/4	139,015	3/4	123,959	3/4	108,903	3/4	93,840
4		4		4	198,843	4	183,850	4	168,813	4	153,757	4	138,701	4	123,645	4	108,589	4	93,526
1/4		1/4		1/4	198,533	1/4	183,537	1/4	168,499	1/4	153,443	1/4	138,387	1/4	123,331	1/4	108,275	1/4	93,212
1/2		1/2		1/2	198,222	1/2	183,224	1/2	168,185	1/2	153,129	1/2	138,074	1/2	123,018	1/2	107,962	1/2	92,898
3/4		3/4		3/4	197,911	3/4	182,912	3/4	167,872	3/4	152,816	3/4	137,760	3/4	122,704	3/4	107,648	3/4	92,585
5		5		5	197,601	5	182,599	5	167,558	5	152,502	5	137,446	5	122,390	5	107,334	5	92,271
1/4		1/4		1/4	197,290	1/4	182,286	1/4	167,244	1/4	152,189	1/4	137,133	1/4	122,077	1/4	107,020	1/4	91,957
1/2		1/2	211,243	1/2	196,980	1/2	181,973	1/2	166,931	1/2	151,875	1/2	136,819	1/2	121,763	1/2	106,706	1/2	91,643
3/4		3/4	211,028	3/4	196,668	3/4	181,661	3/4	166,617	3/4	151,561	3/4	136,505	3/4	121,449	3/4	106,393	3/4	91,329
6		6	210,812	6	196,357	6	181,348	6	166,303	6	151,248	6	136,192	6	121,136	6	106,079	6	91,016
1/4		1/4	210,597	1/4	196,046	1/4	181,035	1/4	165,990	1/4	150,934	1/4	135,878	1/4	120,822	1/4	105,765	1/4	90,702
1/2		1/2	210,381	1/2	195,734	1/2	180,722	1/2	165,676	1/2	150,620	1/2	135,564	1/2	120,508	1/2	105,451	1/2	90,388
3/4		3/4	210,121	3/4	195,422	3/4	180,410	3/4	165,362	3/4	150,307	3/4	135,251	3/4	120,195	3/4	105,137	3/4	90,074
7		7	209,861	7	195,109	7	180,097	7	165,049	7	149,993	7	134,937	7	119,881	7	104,823	7	89,760
1/4		1/4	209,601	1/4	194,796	1/4	179,784	1/4	164,735	1/4	149,679	1/4	134,623	1/4	119,567	1/4	104,510	1/4	89,446
1/2		1/2	209,340	1/2	194,483	1/2	179,471	1/2	164,421	1/2	149,366	1/2	134,310	1/2	119,254	1/2	104,196	1/2	89,133
3/4		3/4	209,044	3/4	194,171	3/4	179,159	3/4	164,108	3/4	149,052	3/4	133,996	3/4	118,940	3/4	103,882	3/4	88,819
8		8	208,748	8	193,858	8	178,846	8	163,794	8	148,738	8	133,682	8	118,626	8	103,568	8	88,505
1/4		1/4	208,452	1/4	193,545	1/4	178,533	1/4	163,480	1/4	148,425	1/4	133,369	1/4	118,313	1/4	103,254	1/4	88,191
1/2		1/2	208,156	1/2	193,232	1/2	178,220	1/2	163,167	1/2	148,111	1/2	133,055	1/2	117,999	1/2	102,941	1/2	87,877
3/4		3/4	207,846	3/4	192,920	3/4	177,907	3/4	162,853	3/4	147,797	3/4	132,741	3/4	117,685	3/4	102,627	3/4	87,564
9		9	207,537	9	192,607	9	177,594	9	162,539	9	147,484	9	132,428	9	117,372	9	102,313	9	87,250
1/4		1/4	207,227	1/4	192,294	1/4	177,281	1/4	162,226	1/4	147,170	1/4	132,114	1/4	117,058	1/4	101,999	1/4	86,936
1/2		1/2	206,917	1/2	191,981	1/2	176,968	1/2	161,912	1/2	146,856	1/2	131,800	1/2	116,744	1/2	101,685	1/2	86,622
3/4		3/4	206,607	3/4	191,669	3/4	176,654	3/4	161,598	3/4	146,543	3/4	131,487	3/4	116,431	3/4	101,371	3/4	86,308
10		10	206,296	10	191,356	10	176,341	10	161,285	10	146,229	10	131,173	10	116,117	10	101,058	10	85,994
1/4		1/4	205,986	1/4	191,043	1/4	176,027	1/4	160,971	1/4	145,915	1/4	130,859	1/4	115,803	1/4	100,744	1/4	85,681
1/2		1/2	205,676	1/2	190,730	1/2	175,713	1/2	160,657	1/2	145,602	1/2	130,546	1/2	115,490	1/2	100,430	1/2	85,367
3/4		3/4	205,365	3/4	190,418	3/4	175,400	3/4	160,344	3/4	145,288	3/4	130,232	3/4	115,176	3/4	100,116	3/4	85,053
11		11	205,054	11	190,105	11	175,086	11	160,030	11	144,974	11	129,918	11	114,862	11	99,802	11	84,739
1/4		1/4	204,744	1/4	189,792	1/4	174,772	1/4	159,716	1/4	144,661	1/4	129,605	1/4	114,549	1/4	99,489	1/4	84,425
1/2		1/2	204,433	1/2	189,479	1/2	174,459	1/2	159,403	1/2	144,347	1/2	129,291	1/2	114,235	1/2	99,175	1/2	84,112
3/4		3/4	204,123	3/4	189,167	3/4	174,145	3/4	159,089	3/4	144,033	3/4	128,977	3/4	113,921	3/4	98,861	3/4	83,798

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
<http://www.pmacorp.net>



BARGE "CTC 29148"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3023"

GAUGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	83,484	0	68,437	0	53,379	0	38,316	0	23,254	0	8,988	0		0		0		0	
1/4	83,170	1/4	68,124	1/4	53,065	1/4	38,003	1/4	22,940	1/4	8,713	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,856	1/2	67,810	1/2	52,752	1/2	37,689	1/2	22,626	1/2	8,437	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,542	3/4	67,497	3/4	52,438	3/4	37,375	3/4	22,313	3/4	8,165	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	82,229	1	67,184	1	52,124	1	37,061	1	21,999	1	7,893	1	1	1	1	1	1	1	1
1/4	81,915	1/4	66,871	1/4	51,810	1/4	36,747	1/4	21,686	1/4	7,621	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,601	1/2	66,557	1/2	51,496	1/2	36,434	1/2	21,372	1/2	7,349	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,287	3/4	66,244	3/4	51,183	3/4	36,120	3/4	21,060	3/4	7,081	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	80,973	2	65,930	2	50,869	2	35,806	2	20,749	2	6,812	2	2	2	2	2	2	2	2
1/4	80,660	1/4	65,617	1/4	50,555	1/4	35,492	1/4	20,437	1/4	6,544	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,346	1/2	65,304	1/2	50,241	1/2	35,178	1/2	20,125	1/2	6,276	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,032	3/4	64,990	3/4	49,927	3/4	34,865	3/4	19,816	3/4	6,011	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	79,718	3	64,676	3	49,614	3	34,551	3	19,507	3	5,747	3	3	3	3	3	3	3	3
1/4	79,404	1/4	64,362	1/4	49,300	1/4	34,237	1/4	19,199	1/4	5,482	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,090	1/2	64,049	1/2	48,986	1/2	33,923	1/2	18,890	1/2	5,217	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,777	3/4	63,735	3/4	48,672	3/4	33,609	3/4	18,585	3/4	4,957	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	78,463	4	63,421	4	48,358	4	33,296	4	18,280	4	4,696	4	4	4	4	4	4	4	4
1/4	78,149	1/4	63,107	1/4	48,045	1/4	32,982	1/4	17,975	1/4	4,435	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,835	1/2	62,794	1/2	47,731	1/2	32,668	1/2	17,670	1/2	4,174	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,522	3/4	62,480	3/4	47,417	3/4	32,354	3/4	17,368	3/4	3,917	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	77,208	5	62,166	5	47,103	5	32,040	5	17,067	5	3,660	5	5	5	5	5	5	5	5
1/4	76,895	1/4	61,852	1/4	46,789	1/4	31,727	1/4	16,765	1/4	3,403	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,581	1/2	61,538	1/2	46,475	1/2	31,413	1/2	16,464	1/2	3,146	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,268	3/4	61,224	3/4	46,162	3/4	31,099	3/4	16,166	3/4	2,893	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	75,955	6	60,911	6	45,848	6	30,785	6	15,869	6	2,640	6	6	6	6	6	6	6	6
1/4	75,641	1/4	60,597	1/4	45,534	1/4	30,471	1/4	15,571	1/4	2,388	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,328	1/2	60,283	1/2	45,220	1/2	30,157	1/2	15,273	1/2	2,135	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,015	3/4	59,969	3/4	44,906	3/4	29,844	3/4	14,979	3/4	1,906	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	74,702	7	59,655	7	44,593	7	29,530	7	14,685	7	1,676	7	7	7	7	7	7	7	7
1/4	74,388	1/4	59,342	1/4	44,279	1/4	29,216	1/4	14,391	1/4	1,447	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,075	1/2	59,028	1/2	43,965	1/2	28,902	1/2	14,097	1/2	1,218	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,762	3/4	58,714	3/4	43,651	3/4	28,588	3/4	13,807	3/4	1,050	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	73,449	8	58,400	8	43,337	8	28,275	8	13,516	8	881	8	8	8	8	8	8	8	8
1/4	73,135	1/4	58,086	1/4	43,024	1/4	27,961	1/4	13,226	1/4	713	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,822	1/2	57,773	1/2	42,710	1/2	27,647	1/2	12,936	1/2	545	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,509	3/4	57,459	3/4	42,396	3/4	27,333	3/4	12,649	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	72,196	9	57,145	9	42,082	9	27,019	9	12,362	9		9	9	9	9	9	9	9	9
1/4	71,883	1/4	56,831	1/4	41,768	1/4	26,706	1/4	12,075	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,569	1/2	56,517	1/2	41,455	1/2	26,392	1/2	11,789	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,256	3/4	56,204	3/4	41,141	3/4	26,078	3/4	11,506	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	70,943	10	55,890	10	40,827	10	25,764	10	11,223	10		10	10	10	10	10	10	10	10
1/4	70,630	1/4	55,576	1/4	40,513	1/4	25,450	1/4	10,940	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,316	1/2	55,262	1/2	40,199	1/2	25,137	1/2	10,657	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,003	3/4	54,948	3/4	39,886	3/4	24,823	3/4	10,377	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	69,690	11	54,635	11	39,572	11	24,509	11	10,098	11		11	11	11	11	11	11	11	11
1/4	69,377	1/4	54,321	1/4	39,258	1/4	24,195	1/4	9,819	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	69,063	1/2	54,007	1/2	38,944	1/2	23,881	1/2	9,540	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,750	3/4	53,693	3/4	38,630	3/4	23,568	3/4	9,264	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: 05/13/2019 SW
CALCULATED: 05/14/2019 CL
NAME CHANGE: 03/22/2023 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023





BARGE "CTC 29148"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3023"

GAUGE HEIGHT 15'-08 1/2"

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	203,527	0	188,583	0	173,576	0	158,535	0	143,495	0	128,454	0	113,413	0	98,368		
1/4	1/4	1/4	1/4	1/4	203,216	1/4	188,271	1/4	173,263	1/4	158,222	1/4	143,181	1/4	128,141	1/4	113,100	1/4	98,054		
1/2	1/2	1/2	1/2	1/2	202,906	1/2	187,959	1/2	172,949	1/2	157,909	1/2	142,868	1/2	127,827	1/2	112,787	1/2	97,741		
3/4	3/4	3/4	3/4	3/4	202,596	3/4	187,646	3/4	172,636	3/4	157,595	3/4	142,555	3/4	127,514	3/4	112,473	3/4	97,427		
1	1	1	1	1	202,286	1	187,334	1	172,323	1	157,282	1	142,241	1	127,201	1	112,160	1	97,114		
1/4	1/4	1/4	1/4	1/4	201,975	1/4	187,021	1/4	172,009	1/4	156,969	1/4	141,928	1/4	126,887	1/4	111,847	1/4	96,800		
1/2	1/2	1/2	1/2	1/2	201,665	1/2	186,709	1/2	171,696	1/2	156,655	1/2	141,615	1/2	126,574	1/2	111,533	1/2	96,487		
3/4	3/4	3/4	3/4	3/4	201,355	3/4	186,396	3/4	171,383	3/4	156,342	3/4	141,301	3/4	126,261	3/4	111,220	3/4	96,173		
2	2	2	2	2	201,045	2	186,084	2	171,069	2	156,029	2	140,988	2	125,947	2	110,907	2	95,860		
1/4	1/4	1/4	1/4	1/4	200,734	1/4	185,771	1/4	170,756	1/4	155,715	1/4	140,675	1/4	125,634	1/4	110,593	1/4	95,546		
1/2	1/2	1/2	1/2	1/2	200,424	1/2	185,459	1/2	170,443	1/2	155,402	1/2	140,361	1/2	125,321	1/2	110,280	1/2	95,233		
3/4	3/4	3/4	3/4	3/4	200,114	3/4	185,147	3/4	170,129	3/4	155,089	3/4	140,048	3/4	125,007	3/4	109,967	3/4	94,919		
3	3	3	3	3	199,804	3	184,834	3	169,816	3	154,775	3	139,735	3	124,694	3	109,653	3	94,606		
1/4	1/4	1/4	1/4	1/4	199,493	1/4	184,522	1/4	169,503	1/4	154,462	1/4	139,421	1/4	124,380	1/4	109,340	1/4	94,292		
1/2	1/2	1/2	1/2	1/2	199,183	1/2	184,209	1/2	169,189	1/2	154,149	1/2	139,108	1/2	124,067	1/2	109,026	1/2	93,979		
3/4	3/4	3/4	3/4	3/4	198,873	3/4	183,897	3/4	168,876	3/4	153,835	3/4	138,794	3/4	123,754	3/4	108,713	3/4	93,665		
4	4	4	4	4	198,563	4	183,584	4	168,563	4	153,522	4	138,481	4	123,440	4	108,400	4	93,352		
1/4	1/4	1/4	1/4	1/4	198,252	1/4	183,272	1/4	168,249	1/4	153,208	1/4	138,168	1/4	123,127	1/4	108,086	1/4	93,038		
1/2	1/2	1/2	1/2	1/2	197,942	1/2	182,960	1/2	167,936	1/2	152,895	1/2	137,854	1/2	122,814	1/2	107,773	1/2	92,725		
3/4	3/4	3/4	3/4	3/4	197,632	3/4	182,647	3/4	167,622	3/4	152,582	3/4	137,541	3/4	122,500	3/4	107,459	3/4	92,411		
5	5	5	5	5	197,322	5	182,335	5	167,309	5	152,268	5	137,228	5	122,187	5	107,146	5	92,098		
1/4	1/4	1/4	1/4	1/4	197,011	1/4	182,022	1/4	166,996	1/4	151,955	1/4	136,914	1/4	121,874	1/4	106,832	1/4	91,784		
1/2	1/2	1/2	1/2	1/2	210,950	1/2	196,701	1/2	181,710	1/2	166,682	1/2	151,642	1/2	136,601	1/2	121,560	1/2	106,519	1/2	91,471
3/4	3/4	3/4	3/4	3/4	210,735	3/4	196,390	3/4	181,397	3/4	166,369	3/4	151,328	3/4	136,288	3/4	121,247	3/4	106,205	3/4	91,157
6	6	6	6	6	210,520	6	196,079	6	181,085	6	166,056	6	151,015	6	135,974	6	120,934	6	105,892	6	90,844
1/4	1/4	1/4	1/4	1/4	210,304	1/4	195,768	1/4	180,773	1/4	165,742	1/4	150,702	1/4	135,661	1/4	120,620	1/4	105,578	1/4	90,530
1/2	1/2	1/2	1/2	1/2	210,089	1/2	195,457	1/2	180,460	1/2	165,429	1/2	150,388	1/2	135,348	1/2	120,307	1/2	105,265	1/2	90,217
3/4	3/4	3/4	3/4	3/4	209,829	3/4	195,144	3/4	180,148	3/4	165,116	3/4	150,075	3/4	135,034	3/4	119,994	3/4	104,951	3/4	89,903
7	7	7	7	7	209,569	7	194,832	7	179,835	7	164,802	7	149,762	7	134,721	7	119,680	7	104,638	7	89,590
1/4	1/4	1/4	1/4	1/4	209,309	1/4	194,520	1/4	179,523	1/4	164,489	1/4	149,448	1/4	134,408	1/4	119,367	1/4	104,324	1/4	89,276
1/2	1/2	1/2	1/2	1/2	209,049	1/2	194,207	1/2	179,210	1/2	164,176	1/2	149,135	1/2	134,094	1/2	119,054	1/2	104,011	1/2	88,963
3/4	3/4	3/4	3/4	3/4	208,753	3/4	193,895	3/4	178,898	3/4	163,862	3/4	148,822	3/4	133,781	3/4	118,740	3/4	103,697	3/4	88,649
8	8	8	8	8	208,458	8	193,582	8	178,586	8	163,549	8	148,508	8	133,468	8	118,427	8	103,384	8	88,336
1/4	1/4	1/4	1/4	1/4	208,162	1/4	193,270	1/4	178,273	1/4	163,236	1/4	148,195	1/4	133,154	1/4	118,114	1/4	103,070	1/4	88,022
1/2	1/2	1/2	1/2	1/2	207,866	1/2	192,957	1/2	177,961	1/2	162,922	1/2	147,882	1/2	132,841	1/2	117,800	1/2	102,757	1/2	87,709
3/4	3/4	3/4	3/4	3/4	207,557	3/4	192,645	3/4	177,648	3/4	162,609	3/4	147,568	3/4	132,528	3/4	117,487	3/4	102,443	3/4	87,395
9	9	9	9	9	207,247	9	192,333	9	177,335	9	162,296	9	147,255	9	132,214	9	117,174	9	102,130	9	87,082
1/4	1/4	1/4	1/4	1/4	206,938	1/4	192,020	1/4	177,022	1/4	161,982	1/4	146,942	1/4	131,901	1/4	116,860	1/4	101,816	1/4	86,768
1/2	1/2	1/2	1/2	1/2	206,629	1/2	191,708	1/2	176,710	1/2	161,669	1/2	146,628	1/2	131,587	1/2	116,547	1/2	101,503	1/2	86,455
3/4	3/4	3/4	3/4	3/4	206,319	3/4	191,395	3/4	176,396	3/4	161,356	3/4	146,315	3/4	131,274	3/4	116,233	3/4	101,189	3/4	86,141
10	10	10	10	10	206,008	10	191,083	10	176,083	10	161,042	10	146,001	10	130,961	10	115,920	10	100,876	10	85,828
1/4	1/4	1/4	1/4	1/4	205,698	1/4	190,770	1/4	175,770	1/4	160,729	1/4	145,688	1/4	130,647	1/4	115,607	1/4	100,562	1/4	85,514
1/2	1/2	1/2	1/2	1/2	205,388	1/2	190,458	1/2	175,456	1/2	160,415	1/2	145,375	1/2	130,334	1/2	115,293	1/2	100,249	1/2	85,201
3/4	3/4	3/4	3/4	3/4	205,078	3/4	190,146	3/4	175,143	3/4	160,102	3/4	145,061	3/4	130,021	3/4	114,980	3/4	99,935	3/4	84,887
11	11	11	11	11	204,768	11	189,833	11	174,829	11	159,789	11	144,748	11	129,707	11	114,667	11	99,622	11	84,574
1/4	1/4	1/4	1/4	1/4	204,457	1/4	189,521	1/4	174,516	1/4	159,475	1/4	144,435	1/4	129,394	1/4	114,353	1/4	99,308	1/4	84,260
1/2	1/2	1/2	1/2	1/2	204,147	1/2	189,208	1/2	174,203	1/2	159,162	1/2	144,121	1/2	129,081	1/2	114,040	1/2	98,995	1/2	83,947
3/4	3/4	3/4	3/4	3/4	203,837	3/4	188,896	3/4	173,889	3/4	158,849	3/4	143,808	3/4	128,767	3/4	113,727	3/4	98,681	3/4	83,633

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.

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



BARGE "CTC 29148"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3023"

GAUGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	83,320	0	68,343	0	53,325	0	38,278	0	23,230	0	8,979	0		0		0		0	
1/4	83,006	1/4	68,032	1/4	53,012	1/4	37,964	1/4	22,916	1/4	8,704	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,693	1/2	67,720	1/2	52,698	1/2	37,651	1/2	22,603	1/2	8,428	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,379	3/4	67,409	3/4	52,385	3/4	37,337	3/4	22,290	3/4	8,156	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	82,066	1	67,098	1	52,071	1	37,024	1	21,977	1	7,885	1	1	1	1	1	1	1	1
1/4	81,752	1/4	66,787	1/4	51,758	1/4	36,710	1/4	21,664	1/4	7,613	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,439	1/2	66,476	1/2	51,444	1/2	36,397	1/2	21,350	1/2	7,341	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,125	3/4	66,164	3/4	51,131	3/4	36,083	3/4	21,039	3/4	7,073	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	80,812	2	65,852	2	50,817	2	35,770	2	20,727	2	6,805	2	2	2	2	2	2	2	2
1/4	80,498	1/4	65,541	1/4	50,504	1/4	35,456	1/4	20,416	1/4	6,537	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,185	1/2	65,229	1/2	50,190	1/2	35,143	1/2	20,104	1/2	6,269	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,871	3/4	64,917	3/4	49,877	3/4	34,829	3/4	19,796	3/4	6,005	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	79,558	3	64,604	3	49,563	3	34,516	3	19,487	3	5,741	3	3	3	3	3	3	3	3
1/4	79,244	1/4	64,292	1/4	49,250	1/4	34,202	1/4	19,179	1/4	5,476	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,931	1/2	63,979	1/2	48,936	1/2	33,889	1/2	18,870	1/2	5,212	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,618	3/4	63,667	3/4	48,623	3/4	33,575	3/4	18,566	3/4	4,951	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	78,305	4	63,354	4	48,309	4	33,262	4	18,261	4	4,691	4	4	4	4	4	4	4	4
1/4	77,992	1/4	63,041	1/4	47,996	1/4	32,948	1/4	17,956	1/4	4,430	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,679	1/2	62,729	1/2	47,682	1/2	32,635	1/2	17,651	1/2	4,169	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,367	3/4	62,415	3/4	47,369	3/4	32,321	3/4	17,350	3/4	3,913	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	77,056	5	62,102	5	47,055	5	32,008	5	17,049	5	3,656	5	5	5	5	5	5	5	5
1/4	76,744	1/4	61,789	1/4	46,742	1/4	31,694	1/4	16,748	1/4	3,399	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,432	1/2	61,476	1/2	46,428	1/2	31,381	1/2	16,447	1/2	3,142	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,121	3/4	61,162	3/4	46,115	3/4	31,067	3/4	16,150	3/4	2,890	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	75,810	6	60,849	6	45,801	6	30,754	6	15,852	6	2,637	6	6	6	6	6	6	6	6
1/4	75,499	1/4	60,535	1/4	45,488	1/4	30,440	1/4	15,555	1/4	2,385	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,187	1/2	60,222	1/2	45,174	1/2	30,127	1/2	15,257	1/2	2,132	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,876	3/4	59,908	3/4	44,861	3/4	29,813	3/4	14,964	3/4	1,903	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	74,565	7	59,595	7	44,547	7	29,500	7	14,670	7	1,674	7	7	7	7	7	7	7	7
1/4	74,254	1/4	59,281	1/4	44,234	1/4	29,186	1/4	14,376	1/4	1,445	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,943	1/2	58,968	1/2	43,920	1/2	28,873	1/2	14,082	1/2	1,216	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,632	3/4	58,655	3/4	43,607	3/4	28,559	3/4	13,792	3/4	1,048	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	73,321	8	58,341	8	43,293	8	28,246	8	13,502	8	880	8	8	8	8	8	8	8	8
1/4	73,009	1/4	58,028	1/4	42,980	1/4	27,932	1/4	13,212	1/4	712	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,698	1/2	57,714	1/2	42,666	1/2	27,619	1/2	12,922	1/2	544	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,387	3/4	57,401	3/4	42,353	3/4	27,305	3/4	12,636	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	72,076	9	57,087	9	42,039	9	26,992	9	12,349	9		9	9	9	9	9	9	9	9
1/4	71,765	1/4	56,774	1/4	41,726	1/4	26,678	1/4	12,063	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,454	1/2	56,460	1/2	41,412	1/2	26,365	1/2	11,777	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,143	3/4	56,147	3/4	41,099	3/4	26,051	3/4	11,494	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	70,832	10	55,833	10	40,785	10	25,738	10	11,211	10		10	10	10	10	10	10	10	10
1/4	70,521	1/4	55,520	1/4	40,472	1/4	25,424	1/4	10,928	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,209	1/2	55,206	1/2	40,159	1/2	25,111	1/2	10,646	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69,898	3/4	54,893	3/4	39,845	3/4	24,797	3/4	10,367	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	69,587	11	54,579	11	39,532	11	24,484	11	10,088	11		11	11	11	11	11	11	11	11
1/4	69,276	1/4	54,266	1/4	39,218	1/4	24,170	1/4	9,809	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,965	1/2	53,952	1/2	38,905	1/2	23,857	1/2	9,530	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,654	3/4	53,639	3/4	38,591	3/4	23,543	3/4	9,254	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: 05/13/2019 SW
CALCULATED: 05/14/2019 CL
NAME CHANGE: 03/22/2023 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
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CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023



BARGE "CTC 29148"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3023"

GAUGE HEIGHT 15'-08 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	206,374	0	191,398	0	176,358	0	161,286	0	146,215	0	131,143	0	116,071	0	100,994
1/4		1/4		1/4	206,063	1/4	191,084	1/4	176,044	1/4	160,972	1/4	145,901	1/4	130,829	1/4	115,757	1/4	100,680
1/2		1/2		1/2	205,752	1/2	190,771	1/2	175,730	1/2	160,658	1/2	145,587	1/2	130,515	1/2	115,443	1/2	100,366
3/4		3/4		3/4	205,441	3/4	190,458	3/4	175,416	3/4	160,344	3/4	145,273	3/4	130,201	3/4	115,129	3/4	100,052
1		1		1	205,131	1	190,145	1	175,102	1	160,030	1	144,959	1	129,887	1	114,815	1	99,738
1/4		1/4		1/4	204,820	1/4	189,832	1/4	174,788	1/4	159,716	1/4	144,645	1/4	129,573	1/4	114,501	1/4	99,424
1/2		1/2		1/2	204,509	1/2	189,519	1/2	174,474	1/2	159,402	1/2	144,331	1/2	129,259	1/2	114,187	1/2	99,110
3/4		3/4		3/4	204,198	3/4	189,206	3/4	174,160	3/4	159,088	3/4	144,017	3/4	128,945	3/4	113,873	3/4	98,795
2		2		2	203,887	2	188,893	2	173,846	2	158,774	2	143,703	2	128,631	2	113,559	2	98,481
1/4		1/4		1/4	203,576	1/4	188,580	1/4	173,532	1/4	158,460	1/4	143,389	1/4	128,317	1/4	113,245	1/4	98,167
1/2		1/2		1/2	203,265	1/2	188,267	1/2	173,218	1/2	158,146	1/2	143,075	1/2	128,003	1/2	112,931	1/2	97,853
3/4		3/4		3/4	202,954	3/4	187,954	3/4	172,904	3/4	157,832	3/4	142,761	3/4	127,689	3/4	112,617	3/4	97,539
3		3		3	202,643	3	187,641	3	172,590	3	157,518	3	142,447	3	127,375	3	112,303	3	97,225
1/4		1/4		1/4	202,332	1/4	187,327	1/4	172,276	1/4	157,204	1/4	142,133	1/4	127,061	1/4	111,989	1/4	96,910
1/2		1/2		1/2	202,022	1/2	187,014	1/2	171,962	1/2	156,890	1/2	141,819	1/2	126,747	1/2	111,675	1/2	96,596
3/4		3/4		3/4	201,711	3/4	186,701	3/4	171,648	3/4	156,576	3/4	141,505	3/4	126,433	3/4	111,361	3/4	96,282
4		4		4	201,400	4	186,388	4	171,334	4	156,262	4	141,191	4	126,119	4	111,047	4	95,968
1/4		1/4		1/4	201,089	1/4	186,075	1/4	171,020	1/4	155,948	1/4	140,877	1/4	125,805	1/4	110,733	1/4	95,654
1/2		1/2		1/2	200,778	1/2	185,762	1/2	170,706	1/2	155,634	1/2	140,563	1/2	125,491	1/2	110,419	1/2	95,340
3/4		3/4		3/4	200,467	3/4	185,449	3/4	170,392	3/4	155,320	3/4	140,249	3/4	125,177	3/4	110,105	3/4	95,026
5		5		5	200,156	5	185,136	5	170,078	5	155,007	5	139,935	5	124,863	5	109,791	5	94,711
1/4		1/4	214,124	1/4	199,845	1/4	184,823	1/4	169,764	1/4	154,693	1/4	139,621	1/4	124,549	1/4	109,476	1/4	94,397
1/2		1/2	213,908	1/2	199,534	1/2	184,510	1/2	169,450	1/2	154,379	1/2	139,307	1/2	124,235	1/2	109,162	1/2	94,083
3/4		3/4	213,693	3/4	199,222	3/4	184,197	3/4	169,136	3/4	154,065	3/4	138,993	3/4	123,921	3/4	108,848	3/4	93,769
6		6	213,477	6	198,910	6	183,884	6	168,822	6	153,751	6	138,679	6	123,607	6	108,534	6	93,455
1/4		1/4	213,261	1/4	198,598	1/4	183,570	1/4	168,508	1/4	153,437	1/4	138,365	1/4	123,293	1/4	108,220	1/4	93,141
1/2		1/2	213,001	1/2	198,285	1/2	183,257	1/2	168,194	1/2	153,123	1/2	138,051	1/2	122,979	1/2	107,906	1/2	92,827
3/4		3/4	212,740	3/4	197,972	3/4	182,944	3/4	167,880	3/4	152,809	3/4	137,737	3/4	122,665	3/4	107,591	3/4	92,512
7		7	212,480	7	197,659	7	182,631	7	167,566	7	152,495	7	137,423	7	122,351	7	107,277	7	92,198
1/4		1/4	212,219	1/4	197,346	1/4	182,318	1/4	167,252	1/4	152,181	1/4	137,109	1/4	122,037	1/4	106,963	1/4	91,884
1/2		1/2	211,923	1/2	197,033	1/2	182,005	1/2	166,938	1/2	151,867	1/2	136,795	1/2	121,723	1/2	106,649	1/2	91,570
3/4		3/4	211,626	3/4	196,720	3/4	181,692	3/4	166,624	3/4	151,553	3/4	136,481	3/4	121,409	3/4	106,335	3/4	91,256
8		8	211,330	8	196,407	8	181,379	8	166,310	8	151,239	8	136,167	8	121,095	8	106,021	8	90,942
1/4		1/4	211,034	1/4	196,094	1/4	181,066	1/4	165,996	1/4	150,925	1/4	135,853	1/4	120,781	1/4	105,707	1/4	90,628
1/2		1/2	210,724	1/2	195,781	1/2	180,752	1/2	165,682	1/2	150,611	1/2	135,539	1/2	120,467	1/2	105,392	1/2	90,313
3/4		3/4	210,414	3/4	195,468	3/4	180,439	3/4	165,368	3/4	150,297	3/4	135,225	3/4	120,153	3/4	105,078	3/4	89,999
9		9	210,104	9	195,155	9	180,126	9	165,054	9	149,983	9	134,911	9	119,839	9	104,764	9	89,685
1/4		1/4	209,794	1/4	194,841	1/4	179,812	1/4	164,740	1/4	149,669	1/4	134,597	1/4	119,525	1/4	104,450	1/4	89,371
1/2		1/2	209,483	1/2	194,528	1/2	179,498	1/2	164,426	1/2	149,355	1/2	134,283	1/2	119,211	1/2	104,136	1/2	89,057
3/4		3/4	209,172	3/4	194,215	3/4	179,184	3/4	164,112	3/4	149,041	3/4	133,969	3/4	118,897	3/4	103,822	3/4	88,743
10		10	208,861	10	193,902	10	178,870	10	163,798	10	148,727	10	133,655	10	118,583	10	103,508	10	88,428
1/4		1/4	208,551	1/4	193,589	1/4	178,556	1/4	163,484	1/4	148,413	1/4	133,341	1/4	118,269	1/4	103,193	1/4	88,114
1/2		1/2	208,240	1/2	193,276	1/2	178,242	1/2	163,170	1/2	148,099	1/2	133,027	1/2	117,955	1/2	102,879	1/2	87,800
3/4		3/4	207,929	3/4	192,963	3/4	177,928	3/4	162,856	3/4	147,785	3/4	132,713	3/4	117,641	3/4	102,565	3/4	87,486
11		11	207,618	11	192,650	11	177,614	11	162,542	11	147,471	11	132,399	11	117,327	11	102,251	11	87,172
1/4		1/4	207,307	1/4	192,337	1/4	177,300	1/4	162,228	1/4	147,157	1/4	132,085	1/4	117,013	1/4	101,937	1/4	86,858
1/2		1/2	206,996	1/2	192,024	1/2	176,986	1/2	161,914	1/2	146,843	1/2	131,771	1/2	116,699	1/2	101,623	1/2	86,544
3/4		3/4	206,685	3/4	191,711	3/4	176,672	3/4	161,600	3/4	146,529	3/4	131,457	3/4	116,385	3/4	101,309	3/4	86,229

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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29148"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3023"

GAUGE HEIGHT 15'-08 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	85,915	0	70,836	0	55,757	0	40,694	0	25,622	0	10,543	0		0		0		0	
1/4	85,601	1/4	70,522	1/4	55,443	1/4	40,381	1/4	25,308	1/4	10,229	1/4		1/4		1/4		1/4	
1/2	85,287	1/2	70,208	1/2	55,129	1/2	40,067	1/2	24,994	1/2	9,915	1/2		1/2		1/2		1/2	
3/4	84,973	3/4	69,894	3/4	54,815	3/4	39,754	3/4	24,679	3/4	9,601	3/4		3/4		3/4		3/4	
1	84,659	1	69,580	1	54,501	1	39,440	1	24,365	1	9,287	1		1		1		1	
1/4	84,345	1/4	69,265	1/4	54,186	1/4	39,127	1/4	24,051	1/4	8,972	1/4		1/4		1/4		1/4	
1/2	84,030	1/2	68,951	1/2	53,872	1/2	38,813	1/2	23,737	1/2	8,658	1/2		1/2		1/2		1/2	
3/4	83,716	3/4	68,637	3/4	53,558	3/4	38,499	3/4	23,423	3/4	8,344	3/4		3/4		3/4		3/4	
2	83,402	2	68,323	2	53,244	2	38,186	2	23,109	2	8,030	2		2		2		2	
1/4	83,088	1/4	68,009	1/4	52,930	1/4	37,872	1/4	22,795	1/4	7,716	1/4		1/4		1/4		1/4	
1/2	82,774	1/2	67,695	1/2	52,616	1/2	37,558	1/2	22,480	1/2	7,402	1/2		1/2		1/2		1/2	
3/4	82,460	3/4	67,381	3/4	52,302	3/4	37,244	3/4	22,166	3/4	7,088	3/4		3/4		3/4		3/4	
3	82,146	3	67,066	3	51,987	3	36,931	3	21,852	3	6,774	3		3		3		3	
1/4	81,831	1/4	66,752	1/4	51,673	1/4	36,617	1/4	21,538	1/4	6,459	1/4		1/4		1/4		1/4	
1/2	81,517	1/2	66,438	1/2	51,359	1/2	36,303	1/2	21,224	1/2	6,145	1/2		1/2		1/2		1/2	
3/4	81,203	3/4	66,124	3/4	51,045	3/4	35,988	3/4	20,910	3/4	5,831	3/4		3/4		3/4		3/4	
4	80,889	4	65,810	4	50,731	4	35,674	4	20,596	4	5,517	4		4		4		4	
1/4	80,575	1/4	65,496	1/4	50,417	1/4	35,360	1/4	20,281	1/4	5,203	1/4		1/4		1/4		1/4	
1/2	80,261	1/2	65,182	1/2	50,103	1/2	35,046	1/2	19,967	1/2	4,889	1/2		1/2		1/2		1/2	
3/4	79,947	3/4	64,867	3/4	49,789	3/4	34,732	3/4	19,653	3/4	4,575	3/4		3/4		3/4		3/4	
5	79,632	5	64,553	5	49,475	5	34,418	5	19,339	5	4,261	5		5		5		5	
1/4	79,318	1/4	64,239	1/4	49,161	1/4	34,104	1/4	19,025	1/4	3,947	1/4		1/4		1/4		1/4	
1/2	79,004	1/2	63,925	1/2	48,847	1/2	33,789	1/2	18,711	1/2	3,634	1/2		1/2		1/2		1/2	
3/4	78,690	3/4	63,611	3/4	48,533	3/4	33,475	3/4	18,397	3/4	3,321	3/4		3/4		3/4		3/4	
6	78,376	6	63,297	6	48,220	6	33,161	6	18,082	6	3,007	6		6		6		6	
1/4	78,062	1/4	62,983	1/4	47,906	1/4	32,847	1/4	17,768	1/4	2,694	1/4		1/4		1/4		1/4	
1/2	77,747	1/2	62,668	1/2	47,593	1/2	32,533	1/2	17,454	1/2	2,401	1/2		1/2		1/2		1/2	
3/4	77,433	3/4	62,354	3/4	47,279	3/4	32,219	3/4	17,140	3/4	2,107	3/4		3/4		3/4		3/4	
7	77,119	7	62,040	7	46,965	7	31,905	7	16,826	7	1,814	7		7		7		7	
1/4	76,805	1/4	61,726	1/4	46,652	1/4	31,590	1/4	16,512	1/4	1,520	1/4		1/4		1/4		1/4	
1/2	76,491	1/2	61,412	1/2	46,338	1/2	31,276	1/2	16,198	1/2	1,298	1/2		1/2		1/2		1/2	
3/4	76,177	3/4	61,098	3/4	46,025	3/4	30,962	3/4	15,884	3/4	1,075	3/4		3/4		3/4		3/4	
8	75,863	8	60,783	8	45,711	8	30,648	8	15,569	8	853	8		8		8		8	
1/4	75,548	1/4	60,469	1/4	45,398	1/4	30,334	1/4	15,255	1/4	631	1/4		1/4		1/4		1/4	
1/2	75,234	1/2	60,155	1/2	45,084	1/2	30,020	1/2	14,941	1/2		1/2		1/2		1/2		1/2	
3/4	74,920	3/4	59,841	3/4	44,771	3/4	29,706	3/4	14,627	3/4		3/4		3/4		3/4		3/4	
9	74,606	9	59,527	9	44,457	9	29,391	9	14,313	9		9		9		9		9	
1/4	74,292	1/4	59,213	1/4	44,143	1/4	29,077	1/4	13,999	1/4		1/4		1/4		1/4		1/4	
1/2	73,978	1/2	58,899	1/2	43,830	1/2	28,763	1/2	13,685	1/2		1/2		1/2		1/2		1/2	
3/4	73,664	3/4	58,584	3/4	43,516	3/4	28,449	3/4	13,370	3/4		3/4		3/4		3/4		3/4	
10	73,349	10	58,270	10	43,203	10	28,135	10	13,056	10		10		10		10		10	
1/4	73,035	1/4	57,956	1/4	42,889	1/4	27,821	1/4	12,742	1/4		1/4		1/4		1/4		1/4	
1/2	72,721	1/2	57,642	1/2	42,576	1/2	27,507	1/2	12,428	1/2		1/2		1/2		1/2		1/2	
3/4	72,407	3/4	57,328	3/4	42,262	3/4	27,193	3/4	12,114	3/4		3/4		3/4		3/4		3/4	
11	72,093	11	57,014	11	41,949	11	26,878	11	11,800	11		11		11		11		11	
1/4	71,779	1/4	56,700	1/4	41,635	1/4	26,564	1/4	11,486	1/4		1/4		1/4		1/4		1/4	
1/2	71,465	1/2	56,385	1/2	41,321	1/2	26,250	1/2	11,171	1/2		1/2		1/2		1/2		1/2	
3/4	71,150	3/4	56,071	3/4	41,008	3/4	25,936	3/4	10,857	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/13/2019 SW
CALCULATED: 05/14/2019 CL
NAME CHANGE: 03/22/2022 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.dmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023



BARGE "CTC 29148"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3023"

GAUGE HEIGHT 15'-08 1/2"

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	189,874	0	179,563	0	169,208	0	158,832	0	146,023	0	131,020	0	116,009	0	100,986		
1/4	1/4	1/4	1/4	1/4	189,660	1/4	179,348	1/4	168,992	1/4	158,615	1/4	145,712	1/4	130,708	1/4	115,696	1/4	100,673		
1/2	1/2	1/2	1/2	1/2	189,446	1/2	179,132	1/2	168,776	1/2	158,399	1/2	145,402	1/2	130,395	1/2	115,383	1/2	100,360		
3/4	3/4	3/4	3/4	3/4	189,231	3/4	178,916	3/4	168,560	3/4	158,174	3/4	145,090	3/4	130,082	3/4	115,071	3/4	100,047		
1	1	1	1	1	189,017	1	178,701	1	168,344	1	157,949	1	144,778	1	129,769	1	114,758	1	99,733		
1/4	1/4	1/4	1/4	1/4	188,803	1/4	178,485	1/4	168,128	1/4	157,723	1/4	144,467	1/4	129,457	1/4	114,445	1/4	99,420		
1/2	1/2	1/2	1/2	1/2	188,589	1/2	178,270	1/2	167,911	1/2	157,498	1/2	144,155	1/2	129,144	1/2	114,133	1/2	99,107		
3/4	3/4	3/4	3/4	3/4	188,375	3/4	178,054	3/4	167,695	3/4	157,258	3/4	143,843	3/4	128,831	3/4	113,820	3/4	98,794		
2	2	2	2	2	188,161	2	177,839	2	167,479	2	157,017	2	143,530	2	128,518	2	113,507	2	98,481		
1/4	1/4	1/4	1/4	1/4	187,947	1/4	177,623	1/4	167,263	1/4	156,777	1/4	143,217	1/4	128,206	1/4	113,194	1/4	98,168		
1/2	1/2	1/2	1/2	1/2	187,733	1/2	177,407	1/2	167,047	1/2	156,536	1/2	142,904	1/2	127,893	1/2	112,882	1/2	97,854		
3/4	3/4	3/4	3/4	3/4	187,519	3/4	177,192	3/4	166,830	3/4	156,296	3/4	142,592	3/4	127,580	3/4	112,569	3/4	97,541		
3	3	3	3	3	187,305	3	176,976	3	166,614	3	156,055	3	142,279	3	127,268	3	112,256	3	97,228		
1/4	1/4	1/4	1/4	1/4	187,091	1/4	176,761	1/4	166,398	1/4	155,815	1/4	141,966	1/4	126,955	1/4	111,943	1/4	96,915		
1/2	1/2	1/2	1/2	1/2	186,877	1/2	176,545	1/2	166,182	1/2	155,574	1/2	141,653	1/2	126,642	1/2	111,631	1/2	96,602		
3/4	3/4	3/4	3/4	3/4	186,663	3/4	176,329	3/4	165,966	3/4	155,334	3/4	141,341	3/4	126,329	3/4	111,318	3/4	96,289		
4	4	4	4	4	186,449	4	176,114	4	165,750	4	155,094	4	141,028	4	126,017	4	111,005	4	95,976		
1/4	1/4	1/4	1/4	1/4	186,235	1/4	175,898	1/4	165,533	1/4	154,853	1/4	140,715	1/4	125,704	1/4	110,692	1/4	95,662		
1/2	1/2	1/2	1/2	1/2	186,021	1/2	175,683	1/2	165,317	1/2	154,613	1/2	140,403	1/2	125,391	1/2	110,380	1/2	95,349		
3/4	3/4	3/4	3/4	3/4	185,806	3/4	175,467	3/4	165,101	3/4	154,372	3/4	140,090	3/4	125,078	3/4	110,067	3/4	95,036		
5	5	5	5	5	185,592	5	175,252	5	164,885	5	154,132	5	139,777	5	124,766	5	109,754	5	94,723		
1/4	1/4	1/4	1/4	1/4	185,378	1/4	175,036	1/4	164,669	1/4	153,891	1/4	139,464	1/4	124,453	1/4	109,441	1/4	94,410		
1/2	1/2	1/2	1/2	1/2	194,796	1/2	185,164	1/2	174,820	1/2	164,452	1/2	153,651	1/2	139,152	1/2	124,140	1/2	109,128	1/2	94,097
3/4	3/4	3/4	3/4	3/4	194,677	3/4	184,950	3/4	174,605	3/4	164,236	3/4	153,410	3/4	138,839	3/4	123,827	3/4	108,815	3/4	93,784
6	6	6	6	6	194,558	6	184,735	6	174,389	6	164,020	6	153,170	6	138,526	6	123,515	6	108,501	6	93,470
1/4	1/4	1/4	1/4	1/4	194,439	1/4	184,520	1/4	174,174	1/4	163,804	1/4	152,929	1/4	138,213	1/4	123,202	1/4	108,188	1/4	93,157
1/2	1/2	1/2	1/2	1/2	194,320	1/2	184,306	1/2	173,958	1/2	163,588	1/2	152,689	1/2	137,901	1/2	122,889	1/2	107,875	1/2	92,844
3/4	3/4	3/4	3/4	3/4	194,156	3/4	184,090	3/4	173,743	3/4	163,372	3/4	152,422	3/4	137,588	3/4	122,576	3/4	107,562	3/4	92,531
7	7	7	7	7	193,992	7	183,875	7	173,527	7	163,155	7	152,155	7	137,275	7	122,264	7	107,249	7	92,218
1/4	1/4	1/4	1/4	1/4	193,828	1/4	183,659	1/4	173,311	1/4	162,939	1/4	151,888	1/4	136,962	1/4	121,951	1/4	106,936	1/4	91,905
1/2	1/2	1/2	1/2	1/2	193,664	1/2	183,443	1/2	173,096	1/2	162,723	1/2	151,621	1/2	136,650	1/2	121,638	1/2	106,623	1/2	91,592
3/4	3/4	3/4	3/4	3/4	193,465	3/4	183,228	3/4	172,880	3/4	162,507	3/4	151,310	3/4	136,337	3/4	121,326	3/4	106,309	3/4	91,278
8	8	8	8	8	193,265	8	183,012	8	172,665	8	162,291	8	150,999	8	136,024	8	121,013	8	105,996	8	90,965
1/4	1/4	1/4	1/4	1/4	193,066	1/4	182,797	1/4	172,449	1/4	162,074	1/4	150,688	1/4	135,711	1/4	120,700	1/4	105,683	1/4	90,652
1/2	1/2	1/2	1/2	1/2	192,866	1/2	182,581	1/2	172,234	1/2	161,858	1/2	150,377	1/2	135,399	1/2	120,387	1/2	105,370	1/2	90,339
3/4	3/4	3/4	3/4	3/4	192,653	3/4	182,366	3/4	172,018	3/4	161,642	3/4	150,066	3/4	135,086	3/4	120,075	3/4	105,057	3/4	90,026
9	9	9	9	9	192,440	9	182,150	9	171,802	9	161,426	9	149,754	9	134,773	9	119,762	9	104,744	9	89,713
1/4	1/4	1/4	1/4	1/4	192,227	1/4	181,934	1/4	171,586	1/4	161,210	1/4	149,443	1/4	134,461	1/4	119,449	1/4	104,431	1/4	89,400
1/2	1/2	1/2	1/2	1/2	192,014	1/2	181,719	1/2	171,370	1/2	160,993	1/2	149,132	1/2	134,148	1/2	119,136	1/2	104,117	1/2	89,086
3/4	3/4	3/4	3/4	3/4	191,800	3/4	181,503	3/4	171,154	3/4	160,777	3/4	148,821	3/4	133,835	3/4	118,824	3/4	103,804	3/4	88,773
10	10	10	10	10	191,586	10	181,288	10	170,938	10	160,561	10	148,510	10	133,522	10	118,511	10	103,491	10	88,460
1/4	1/4	1/4	1/4	1/4	191,372	1/4	181,072	1/4	170,722	1/4	160,345	1/4	148,199	1/4	133,210	1/4	118,198	1/4	103,178	1/4	88,147
1/2	1/2	1/2	1/2	1/2	191,158	1/2	180,857	1/2	170,506	1/2	160,129	1/2	147,888	1/2	132,897	1/2	117,885	1/2	102,865	1/2	87,834
3/4	3/4	3/4	3/4	3/4	190,944	3/4	180,641	3/4	170,289	3/4	159,913	3/4	147,577	3/4	132,584	3/4	117,573	3/4	102,552	3/4	87,521
11	11	11	11	11	190,730	11	180,425	11	170,073	11	159,696	11	147,266	11	132,271	11	117,260	11	102,239	11	87,208
1/4	1/4	1/4	1/4	1/4	190,516	1/4	180,210	1/4	169,857	1/4	159,480	1/4	146,956	1/4	131,959	1/4	116,947	1/4	101,925	1/4	86,894
1/2	1/2	1/2	1/2	1/2	190,302	1/2	179,994	1/2	169,641	1/2	159,264	1/2	146,645	1/2	131,646	1/2	116,634	1/2	101,612	1/2	86,581
3/4	3/4	3/4	3/4	3/4	190,088	3/4	179,779	3/4	169,425	3/4	159,048	3/4	146,334	3/4	131,333	3/4	116,322	3/4	101,299	3/4	86,268

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 "CTC 29148"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3023"

GAUGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	85,955	0	70,924	0	55,893	0	40,878	0	25,854	0	10,824	0		0		0		0	
1/4	85,642	1/4	70,611	1/4	55,580	1/4	40,565	1/4	25,541	1/4	10,510	1/4		1/4		1/4		1/4	
1/2	85,329	1/2	70,298	1/2	55,267	1/2	40,253	1/2	25,228	1/2	10,197	1/2		1/2		1/2		1/2	
3/4	85,016	3/4	69,985	3/4	54,954	3/4	39,940	3/4	24,915	3/4	9,884	3/4		3/4		3/4		3/4	
1	84,702	1	69,671	1	54,641	1	39,628	1	24,602	1	9,571	1		1		1		1	
1/4	84,389	1/4	69,358	1/4	54,327	1/4	39,315	1/4	24,288	1/4	9,258	1/4		1/4		1/4		1/4	
1/2	84,076	1/2	69,045	1/2	54,014	1/2	39,003	1/2	23,975	1/2	8,945	1/2		1/2		1/2		1/2	
3/4	83,763	3/4	68,732	3/4	53,701	3/4	38,690	3/4	23,662	3/4	8,632	3/4		3/4		3/4		3/4	
2	83,450	2	68,419	2	53,388	2	38,377	2	23,349	2	8,319	2		2		2		2	
1/4	83,137	1/4	68,106	1/4	53,075	1/4	38,065	1/4	23,036	1/4	8,005	1/4		1/4		1/4		1/4	
1/2	82,824	1/2	67,793	1/2	52,762	1/2	37,752	1/2	22,723	1/2	7,692	1/2		1/2		1/2		1/2	
3/4	82,510	3/4	67,479	3/4	52,449	3/4	37,439	3/4	22,410	3/4	7,379	3/4		3/4		3/4		3/4	
3	82,197	3	67,166	3	52,135	3	37,126	3	22,096	3	7,066	3		3		3		3	
1/4	81,884	1/4	66,853	1/4	51,822	1/4	36,814	1/4	21,783	1/4	6,753	1/4		1/4		1/4		1/4	
1/2	81,571	1/2	66,540	1/2	51,509	1/2	36,501	1/2	21,470	1/2	6,440	1/2		1/2		1/2		1/2	
3/4	81,258	3/4	66,227	3/4	51,196	3/4	36,188	3/4	21,157	3/4	6,127	3/4		3/4		3/4		3/4	
4	80,945	4	65,914	4	50,883	4	35,874	4	20,844	4	5,813	4		4		4		4	
1/4	80,632	1/4	65,601	1/4	50,570	1/4	35,561	1/4	20,531	1/4	5,500	1/4		1/4		1/4		1/4	
1/2	80,318	1/2	65,287	1/2	50,256	1/2	35,248	1/2	20,218	1/2	5,187	1/2		1/2		1/2		1/2	
3/4	80,005	3/4	64,974	3/4	49,944	3/4	34,935	3/4	19,905	3/4	4,874	3/4		3/4		3/4		3/4	
5	79,692	5	64,661	5	49,631	5	34,622	5	19,591	5	4,561	5		5		5		5	
1/4	79,379	1/4	64,348	1/4	49,318	1/4	34,309	1/4	19,278	1/4	4,248	1/4		1/4		1/4		1/4	
1/2	79,066	1/2	64,035	1/2	49,005	1/2	33,996	1/2	18,965	1/2	3,936	1/2		1/2		1/2		1/2	
3/4	78,753	3/4	63,722	3/4	48,692	3/4	33,683	3/4	18,652	3/4	3,623	3/4		3/4		3/4		3/4	
6	78,440	6	63,409	6	48,379	6	33,369	6	18,339	6	3,311	6		6		6		6	
1/4	78,126	1/4	63,095	1/4	48,067	1/4	33,056	1/4	18,026	1/4	2,999	1/4		1/4		1/4		1/4	
1/2	77,813	1/2	62,782	1/2	47,754	1/2	32,743	1/2	17,713	1/2	2,686	1/2		1/2		1/2		1/2	
3/4	77,500	3/4	62,469	3/4	47,441	3/4	32,430	3/4	17,399	3/4	2,394	3/4		3/4		3/4		3/4	
7	77,187	7	62,156	7	47,129	7	32,117	7	17,086	7	2,101	7		7		7		7	
1/4	76,874	1/4	61,843	1/4	46,816	1/4	31,804	1/4	16,773	1/4	1,809	1/4		1/4		1/4		1/4	
1/2	76,561	1/2	61,530	1/2	46,504	1/2	31,491	1/2	16,460	1/2	1,516	1/2		1/2		1/2		1/2	
3/4	76,248	3/4	61,217	3/4	46,191	3/4	31,177	3/4	16,147	3/4	1,294	3/4		3/4		3/4		3/4	
8	75,934	8	60,903	8	45,879	8	30,864	8	15,834	8	1,073	8		8		8		8	
1/4	75,621	1/4	60,590	1/4	45,566	1/4	30,551	1/4	15,521	1/4	851	1/4		1/4		1/4		1/4	
1/2	75,308	1/2	60,277	1/2	45,254	1/2	30,238	1/2	15,208	1/2	629	1/2		1/2		1/2		1/2	
3/4	74,995	3/4	59,964	3/4	44,941	3/4	29,925	3/4	14,894	3/4		3/4		3/4		3/4		3/4	
9	74,682	9	59,651	9	44,628	9	29,612	9	14,581	9		9		9		9		9	
1/4	74,369	1/4	59,338	1/4	44,316	1/4	29,299	1/4	14,268	1/4		1/4		1/4		1/4		1/4	
1/2	74,055	1/2	59,025	1/2	44,003	1/2	28,985	1/2	13,955	1/2		1/2		1/2		1/2		1/2	
3/4	73,742	3/4	58,711	3/4	43,691	3/4	28,672	3/4	13,642	3/4		3/4		3/4		3/4		3/4	
10	73,429	10	58,398	10	43,378	10	28,359	10	13,329	10		10		10		10		10	
1/4	73,116	1/4	58,085	1/4	43,066	1/4	28,046	1/4	13,016	1/4		1/4		1/4		1/4		1/4	
1/2	72,803	1/2	57,772	1/2	42,753	1/2	27,733	1/2	12,702	1/2		1/2		1/2		1/2		1/2	
3/4	72,490	3/4	57,459	3/4	42,441	3/4	27,420	3/4	12,389	3/4		3/4		3/4		3/4		3/4	
11	72,177	11	57,146	11	42,128	11	27,107	11	12,076	11		11		11		11		11	
1/4	71,863	1/4	56,833	1/4	41,816	1/4	26,794	1/4	11,763	1/4		1/4		1/4		1/4		1/4	
1/2	71,550	1/2	56,519	1/2	41,503	1/2	26,480	1/2	11,450	1/2		1/2		1/2		1/2		1/2	
3/4	71,237	3/4	56,206	3/4	41,190	3/4	26,167	3/4	11,137	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/13/2019 SW
CALCULATED: 05/14/2019 CL
NAME CHANGE: 03/22/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023

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





BARGE "CTC 29148"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3023"

GAUGE HEIGHT 15'-08 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	205,547	0	190,589	0	175,568	0	160,202	0	145,463	0	130,410	0	115,357	0	100,299
1/4		1/4		1/4	205,236	1/4	190,276	1/4	175,255	1/4	160,202	1/4	145,149	1/4	130,096	1/4	115,043	1/4	99,985
1/2		1/2		1/2	204,926	1/2	189,964	1/2	174,941	1/2	159,888	1/2	144,835	1/2	129,783	1/2	114,730	1/2	99,671
3/4		3/4		3/4	204,615	3/4	189,651	3/4	174,628	3/4	159,575	3/4	144,522	3/4	129,469	3/4	114,416	3/4	99,358
1		1		1	204,305	1	189,338	1	174,314	1	159,261	1	144,208	1	129,155	1	114,102	1	99,044
1/4		1/4		1/4	203,994	1/4	189,026	1/4	174,000	1/4	158,948	1/4	143,895	1/4	128,842	1/4	113,789	1/4	98,730
1/2		1/2		1/2	203,684	1/2	188,713	1/2	173,687	1/2	158,634	1/2	143,581	1/2	128,528	1/2	113,475	1/2	98,416
3/4		3/4		3/4	203,373	3/4	188,400	3/4	173,373	3/4	158,320	3/4	143,267	3/4	128,215	3/4	113,162	3/4	98,103
2		2		2	203,063	2	188,087	2	173,060	2	158,007	2	142,954	2	127,901	2	112,848	2	97,789
1/4		1/4		1/4	202,752	1/4	187,775	1/4	172,746	1/4	157,693	1/4	142,640	1/4	127,587	1/4	112,534	1/4	97,475
1/2		1/2		1/2	202,442	1/2	187,462	1/2	172,432	1/2	157,380	1/2	142,327	1/2	127,274	1/2	112,221	1/2	97,161
3/4		3/4		3/4	202,131	3/4	187,149	3/4	172,119	3/4	157,066	3/4	142,013	3/4	126,960	3/4	111,907	3/4	96,848
3		3		3	201,821	3	186,837	3	171,805	3	156,752	3	141,699	3	126,647	3	111,594	3	96,534
1/4		1/4		1/4	201,510	1/4	186,524	1/4	171,492	1/4	156,439	1/4	141,386	1/4	126,333	1/4	111,280	1/4	96,220
1/2		1/2		1/2	201,200	1/2	186,211	1/2	171,178	1/2	156,125	1/2	141,072	1/2	126,019	1/2	110,966	1/2	95,906
3/4		3/4		3/4	200,889	3/4	185,899	3/4	170,864	3/4	155,812	3/4	140,759	3/4	125,706	3/4	110,653	3/4	95,593
4		4		4	200,579	4	185,586	4	170,551	4	155,498	4	140,445	4	125,392	4	110,339	4	95,279
1/4		1/4		1/4	200,268	1/4	185,273	1/4	170,237	1/4	155,184	1/4	140,131	1/4	125,079	1/4	110,025	1/4	94,965
1/2		1/2		1/2	199,958	1/2	184,961	1/2	169,924	1/2	154,871	1/2	139,818	1/2	124,765	1/2	109,712	1/2	94,651
3/4		3/4		3/4	199,647	3/4	184,648	3/4	169,610	3/4	154,557	3/4	139,504	3/4	124,451	3/4	109,398	3/4	94,338
5		5		5	199,337	5	184,335	5	169,296	5	154,243	5	139,191	5	124,138	5	109,084	5	94,024
1/4		1/4		1/4	213,287	1/4	199,026	1/4	184,022	1/4	168,983	1/4	153,930	1/4	138,877	1/4	123,824	1/4	108,770
1/2		1/2		1/2	213,072	1/2	198,715	1/2	183,710	1/2	168,669	1/2	153,616	1/2	138,563	1/2	123,510	1/2	108,457
3/4		3/4		3/4	212,856	3/4	198,404	3/4	183,397	3/4	168,356	3/4	153,303	3/4	138,250	3/4	123,197	3/4	108,143
6		6		6	212,641	6	198,092	6	183,084	6	168,042	6	152,989	6	137,936	6	122,883	6	107,829
1/4		1/4		1/4	212,425	1/4	197,781	1/4	182,772	1/4	167,728	1/4	152,675	1/4	137,623	1/4	122,570	1/4	107,515
1/2		1/2		1/2	212,165	1/2	197,468	1/2	182,459	1/2	167,415	1/2	152,362	1/2	137,309	1/2	122,256	1/2	107,202
3/4		3/4		3/4	211,905	3/4	197,156	3/4	182,146	3/4	167,101	3/4	152,048	3/4	136,995	3/4	121,942	3/4	106,888
7		7		7	211,645	7	196,843	7	181,834	7	166,788	7	151,735	7	136,682	7	121,629	7	106,574
1/4		1/4		1/4	211,385	1/4	196,530	1/4	181,521	1/4	166,474	1/4	151,421	1/4	136,368	1/4	121,315	1/4	106,260
1/2		1/2		1/2	211,089	1/2	196,217	1/2	181,208	1/2	166,160	1/2	151,107	1/2	136,055	1/2	121,002	1/2	105,947
3/4		3/4		3/4	210,792	3/4	195,905	3/4	180,896	3/4	165,847	3/4	150,794	3/4	135,741	3/4	120,688	3/4	105,633
8		8		8	210,496	8	195,592	8	180,583	8	165,533	8	150,480	8	135,427	8	120,374	8	105,319
1/4		1/4		1/4	210,200	1/4	195,279	1/4	180,270	1/4	165,220	1/4	150,167	1/4	135,114	1/4	120,061	1/4	105,005
1/2		1/2		1/2	209,891	1/2	194,967	1/2	179,957	1/2	164,906	1/2	149,853	1/2	134,800	1/2	119,747	1/2	104,692
3/4		3/4		3/4	209,581	3/4	194,654	3/4	179,644	3/4	164,592	3/4	149,539	3/4	134,487	3/4	119,434	3/4	104,378
9		9		9	209,272	9	194,341	9	179,331	9	164,279	9	149,226	9	134,173	9	119,120	9	104,064
1/4		1/4		1/4	208,962	1/4	194,029	1/4	179,018	1/4	163,965	1/4	148,912	1/4	133,859	1/4	118,806	1/4	103,750
1/2		1/2		1/2	208,652	1/2	193,716	1/2	178,704	1/2	163,652	1/2	148,599	1/2	133,546	1/2	118,493	1/2	103,437
3/4		3/4		3/4	208,341	3/4	193,403	3/4	178,391	3/4	163,338	3/4	148,285	3/4	133,232	3/4	118,179	3/4	103,123
10		10		10	208,031	10	193,091	10	178,077	10	163,024	10	147,971	10	132,919	10	117,866	10	102,809
1/4		1/4		1/4	207,721	1/4	192,778	1/4	177,764	1/4	162,711	1/4	147,658	1/4	132,605	1/4	117,552	1/4	102,495
1/2		1/2		1/2	207,410	1/2	192,465	1/2	177,450	1/2	162,397	1/2	147,344	1/2	132,291	1/2	117,238	1/2	102,182
3/4		3/4		3/4	207,099	3/4	192,152	3/4	177,136	3/4	162,084	3/4	147,031	3/4	131,978	3/4	116,925	3/4	101,868
11		11		11	206,789	11	191,840	11	176,823	11	161,770	11	146,717	11	131,664	11	116,611	11	101,554
1/4		1/4		1/4	206,478	1/4	191,527	1/4	176,509	1/4	161,456	1/4	146,403	1/4	131,351	1/4	116,298	1/4	101,240
1/2		1/2		1/2	206,168	1/2	191,214	1/2	176,196	1/2	161,143	1/2	146,090	1/2	131,037	1/2	115,984	1/2	100,927
3/4		3/4		3/4	205,857	3/4	190,902	3/4	175,882	3/4	160,829	3/4	145,776	3/4	130,723	3/4	115,670	3/4	100,613

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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29148"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3023"

GAUGE HEIGHT 15'-08 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	85,239	0	70,356	0	55,575	0	40,644	0	25,590	0	10,531	0		0		0		0	
1/4	84,925	1/4	70,048	1/4	55,267	1/4	40,331	1/4	25,277	1/4	10,217	1/4		1/4		1/4		1/4	
1/2	84,611	1/2	69,740	1/2	54,959	1/2	40,018	1/2	24,963	1/2	9,903	1/2		1/2		1/2		1/2	
3/4	84,298	3/4	69,432	3/4	54,651	3/4	39,705	3/4	24,649	3/4	9,589	3/4		3/4		3/4		3/4	
1	83,984	1	69,124	1	54,343	1	39,391	1	24,335	1	9,276	1		1		1		1	
1/4	83,670	1/4	68,816	1/4	54,035	1/4	39,078	1/4	24,022	1/4	8,962	1/4		1/4		1/4		1/4	
1/2	83,356	1/2	68,508	1/2	53,727	1/2	38,765	1/2	23,708	1/2	8,648	1/2		1/2		1/2		1/2	
3/4	83,043	3/4	68,200	3/4	53,419	3/4	38,452	3/4	23,394	3/4	8,334	3/4		3/4		3/4		3/4	
2	82,729	2	67,892	2	53,111	2	38,139	2	23,080	2	8,021	2		2		2		2	
1/4	82,415	1/4	67,584	1/4	52,803	1/4	37,825	1/4	22,767	1/4	7,707	1/4		1/4		1/4		1/4	
1/2	82,101	1/2	67,276	1/2	52,495	1/2	37,512	1/2	22,453	1/2	7,393	1/2		1/2		1/2		1/2	
3/4	81,787	3/4	66,968	3/4	52,187	3/4	37,198	3/4	22,139	3/4	7,079	3/4		3/4		3/4		3/4	
3	81,474	3	66,661	3	51,879	3	36,885	3	21,825	3	6,766	3		3		3		3	
1/4	81,160	1/4	66,353	1/4	51,571	1/4	36,571	1/4	21,512	1/4	6,452	1/4		1/4		1/4		1/4	
1/2	80,847	1/2	66,045	1/2	51,263	1/2	36,258	1/2	21,198	1/2	6,138	1/2		1/2		1/2		1/2	
3/4	80,535	3/4	65,737	3/4	50,955	3/4	35,944	3/4	20,884	3/4	5,824	3/4		3/4		3/4		3/4	
4	80,222	4	65,429	4	50,648	4	35,630	4	20,570	4	5,511	4		4		4		4	
1/4	79,909	1/4	65,121	1/4	50,340	1/4	35,316	1/4	20,257	1/4	5,197	1/4		1/4		1/4		1/4	
1/2	79,600	1/2	64,813	1/2	50,030	1/2	35,003	1/2	19,943	1/2	4,883	1/2		1/2		1/2		1/2	
3/4	79,290	3/4	64,505	3/4	49,720	3/4	34,689	3/4	19,629	3/4	4,570	3/4		3/4		3/4		3/4	
5	78,980	5	64,197	5	49,410	5	34,375	5	19,315	5	4,256	5		5		5		5	
1/4	78,670	1/4	63,889	1/4	49,100	1/4	34,061	1/4	19,002	1/4	3,943	1/4		1/4		1/4		1/4	
1/2	78,362	1/2	63,581	1/2	48,786	1/2	33,748	1/2	18,688	1/2	3,630	1/2		1/2		1/2		1/2	
3/4	78,054	3/4	63,273	3/4	48,473	3/4	33,434	3/4	18,374	3/4	3,317	3/4		3/4		3/4		3/4	
6	77,746	6	62,965	6	48,160	6	33,120	6	18,060	6	3,004	6		6		6		6	
1/4	77,439	1/4	62,657	1/4	47,847	1/4	32,806	1/4	17,747	1/4	2,691	1/4		1/4		1/4		1/4	
1/2	77,131	1/2	62,349	1/2	47,534	1/2	32,493	1/2	17,433	1/2	2,398	1/2		1/2		1/2		1/2	
3/4	76,823	3/4	62,041	3/4	47,220	3/4	32,179	3/4	17,119	3/4	2,105	3/4		3/4		3/4		3/4	
7	76,515	7	61,733	7	46,907	7	31,865	7	16,805	7	1,812	7		7		7		7	
1/4	76,207	1/4	61,426	1/4	46,594	1/4	31,552	1/4	16,492	1/4	1,519	1/4		1/4		1/4		1/4	
1/2	75,899	1/2	61,118	1/2	46,281	1/2	31,238	1/2	16,178	1/2	1,296	1/2		1/2		1/2		1/2	
3/4	75,591	3/4	60,810	3/4	45,968	3/4	30,924	3/4	15,864	3/4	1,074	3/4		3/4		3/4		3/4	
8	75,283	8	60,502	8	45,655	8	30,610	8	15,550	8	852	8		8		8		8	
1/4	74,975	1/4	60,194	1/4	45,341	1/4	30,297	1/4	15,237	1/4	630	1/4		1/4		1/4		1/4	
1/2	74,667	1/2	59,886	1/2	45,028	1/2	29,983	1/2	14,923	1/2		1/2		1/2		1/2		1/2	
3/4	74,359	3/4	59,578	3/4	44,715	3/4	29,669	3/4	14,609	3/4		3/4		3/4		3/4		3/4	
9	74,051	9	59,270	9	44,402	9	29,355	9	14,296	9		9		9		9		9	
1/4	73,743	1/4	58,962	1/4	44,089	1/4	29,042	1/4	13,982	1/4		1/4		1/4		1/4		1/4	
1/2	73,435	1/2	58,654	1/2	43,776	1/2	28,728	1/2	13,668	1/2		1/2		1/2		1/2		1/2	
3/4	73,127	3/4	58,346	3/4	43,462	3/4	28,414	3/4	13,354	3/4		3/4		3/4		3/4		3/4	
10	72,819	10	58,038	10	43,149	10	28,100	10	13,041	10		10		10		10		10	
1/4	72,511	1/4	57,730	1/4	42,836	1/4	27,787	1/4	12,727	1/4		1/4		1/4		1/4		1/4	
1/2	72,203	1/2	57,422	1/2	42,523	1/2	27,473	1/2	12,413	1/2		1/2		1/2		1/2		1/2	
3/4	71,896	3/4	57,114	3/4	42,210	3/4	27,159	3/4	12,099	3/4		3/4		3/4		3/4		3/4	
11	71,588	11	56,806	11	41,897	11	26,845	11	11,786	11		11		11		11		11	
1/4	71,280	1/4	56,498	1/4	41,583	1/4	26,532	1/4	11,472	1/4		1/4		1/4		1/4		1/4	
1/2	70,972	1/2	56,190	1/2	41,270	1/2	26,218	1/2	11,158	1/2		1/2		1/2		1/2		1/2	
3/4	70,664	3/4	55,883	3/4	40,957	3/4	25,904	3/4	10,844	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/13/2019 SW
CALCULATED: 05/14/2019 CL
NAME CHANGE: 03/22/2023 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023





BARGE "CTC 29148"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3023"

GAUGE HEIGHT 15'-08 1/2"

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	188,757	0	178,458	0	168,114	0	157,749	0	144,961	0	130,004	0	115,042	0	100,068		
1/4	1/4	1/4	1/4	1/4	188,543	1/4	178,242	1/4	167,899	1/4	157,533	1/4	144,651	1/4	129,692	1/4	114,731	1/4	99,755		
1/2	1/2	1/2	1/2	1/2	188,329	1/2	178,027	1/2	167,683	1/2	157,317	1/2	144,341	1/2	129,380	1/2	114,419	1/2	99,443		
3/4	3/4	3/4	3/4	3/4	188,116	3/4	177,812	3/4	167,467	3/4	157,092	3/4	144,030	3/4	129,068	3/4	114,108	3/4	99,131		
1	1	1	1	1	187,902	1	177,596	1	167,251	1	156,867	1	143,720	1	128,757	1	113,796	1	98,819		
1/4	1/4	1/4	1/4	1/4	187,688	1/4	177,381	1/4	167,035	1/4	156,642	1/4	143,409	1/4	128,445	1/4	113,485	1/4	98,506		
1/2	1/2	1/2	1/2	1/2	187,474	1/2	177,166	1/2	166,819	1/2	156,417	1/2	143,099	1/2	128,133	1/2	113,173	1/2	98,194		
3/4	3/4	3/4	3/4	3/4	187,260	3/4	176,950	3/4	166,603	3/4	156,177	3/4	142,787	3/4	127,821	3/4	112,862	3/4	97,882		
2	2	2	2	2	187,046	2	176,735	2	166,387	2	155,936	2	142,475	2	127,510	2	112,550	2	97,570		
1/4	1/4	1/4	1/4	1/4	186,833	1/4	176,520	1/4	166,171	1/4	155,696	1/4	142,163	1/4	127,198	1/4	112,239	1/4	97,257		
1/2	1/2	1/2	1/2	1/2	186,619	1/2	176,304	1/2	165,955	1/2	155,456	1/2	141,851	1/2	126,886	1/2	111,927	1/2	96,945		
3/4	3/4	3/4	3/4	3/4	186,405	3/4	176,089	3/4	165,739	3/4	155,216	3/4	141,540	3/4	126,574	3/4	111,616	3/4	96,633		
3	3	3	3	3	186,191	3	175,874	3	165,523	3	154,976	3	141,228	3	126,262	3	111,304	3	96,321		
1/4	1/4	1/4	1/4	1/4	185,977	1/4	175,658	1/4	165,307	1/4	154,736	1/4	140,916	1/4	125,951	1/4	110,992	1/4	96,008		
1/2	1/2	1/2	1/2	1/2	185,763	1/2	175,443	1/2	165,091	1/2	154,495	1/2	140,604	1/2	125,639	1/2	110,681	1/2	95,696		
3/4	3/4	3/4	3/4	3/4	185,550	3/4	175,228	3/4	164,875	3/4	154,255	3/4	140,292	3/4	125,327	3/4	110,369	3/4	95,384		
4	4	4	4	4	185,336	4	175,012	4	164,659	4	154,015	4	139,981	4	125,015	4	110,058	4	95,072		
1/4	1/4	1/4	1/4	1/4	185,122	1/4	174,797	1/4	164,443	1/4	153,775	1/4	139,669	1/4	124,704	1/4	109,746	1/4	94,759		
1/2	1/2	1/2	1/2	1/2	184,908	1/2	174,582	1/2	164,227	1/2	153,535	1/2	139,357	1/2	124,392	1/2	109,434	1/2	94,447		
3/4	3/4	3/4	3/4	3/4	184,694	3/4	174,366	3/4	164,011	3/4	153,294	3/4	139,045	3/4	124,080	3/4	109,122	3/4	94,135		
5	5	5	5	5	184,480	5	174,151	5	163,796	5	153,054	5	138,734	5	123,768	5	108,810	5	93,823		
1/4	1/4	1/4	1/4	1/4	184,267	1/4	173,936	1/4	163,580	1/4	152,814	1/4	138,422	1/4	123,456	1/4	108,498	1/4	93,510		
1/2	1/2	1/2	1/2	1/2	193,674	1/2	184,053	1/2	173,720	1/2	163,364	1/2	152,574	1/2	138,110	1/2	123,145	1/2	108,186	1/2	93,198
3/4	3/4	3/4	3/4	3/4	193,555	3/4	183,838	3/4	173,505	3/4	163,148	3/4	152,334	3/4	137,798	3/4	122,833	3/4	107,874	3/4	92,886
6	6	6	6	6	193,436	6	183,624	6	173,290	6	162,932	6	152,093	6	137,486	6	122,521	6	107,562	6	92,574
1/4	1/4	1/4	1/4	1/4	193,317	1/4	183,410	1/4	173,074	1/4	162,716	1/4	151,853	1/4	137,175	1/4	122,209	1/4	107,249	1/4	92,261
1/2	1/2	1/2	1/2	1/2	193,198	1/2	183,195	1/2	172,859	1/2	162,500	1/2	151,613	1/2	136,863	1/2	121,898	1/2	106,937	1/2	91,949
3/4	3/4	3/4	3/4	3/4	193,035	3/4	182,980	3/4	172,644	3/4	162,284	3/4	151,346	3/4	136,551	3/4	121,586	3/4	106,625	3/4	91,637
7	7	7	7	7	192,871	7	182,765	7	172,428	7	162,068	7	151,080	7	136,239	7	121,274	7	106,313	7	91,325
1/4	1/4	1/4	1/4	1/4	192,707	1/4	182,549	1/4	172,213	1/4	161,852	1/4	150,813	1/4	135,928	1/4	120,962	1/4	106,000	1/4	91,012
1/2	1/2	1/2	1/2	1/2	192,544	1/2	182,334	1/2	171,998	1/2	161,636	1/2	150,547	1/2	135,616	1/2	120,650	1/2	105,688	1/2	90,700
3/4	3/4	3/4	3/4	3/4	192,344	3/4	182,119	3/4	171,782	3/4	161,420	3/4	150,236	3/4	135,304	3/4	120,339	3/4	105,376	3/4	90,388
8	8	8	8	8	192,145	8	181,903	8	171,567	8	161,204	8	149,925	8	134,992	8	120,027	8	105,064	8	90,076
1/4	1/4	1/4	1/4	1/4	191,946	1/4	181,688	1/4	171,352	1/4	160,988	1/4	149,615	1/4	134,680	1/4	119,715	1/4	104,751	1/4	89,763
1/2	1/2	1/2	1/2	1/2	191,746	1/2	181,473	1/2	171,136	1/2	160,772	1/2	149,304	1/2	134,369	1/2	119,404	1/2	104,439	1/2	89,451
3/4	3/4	3/4	3/4	3/4	191,533	3/4	181,257	3/4	170,921	3/4	160,556	3/4	148,993	3/4	134,057	3/4	119,092	3/4	104,127	3/4	89,140
9	9	9	9	9	191,320	9	181,042	9	170,705	9	160,340	9	148,683	9	133,745	9	118,781	9	103,815	9	88,829
1/4	1/4	1/4	1/4	1/4	191,108	1/4	180,827	1/4	170,490	1/4	160,124	1/4	148,372	1/4	133,433	1/4	118,469	1/4	103,502	1/4	88,518
1/2	1/2	1/2	1/2	1/2	190,895	1/2	180,611	1/2	170,274	1/2	159,908	1/2	148,061	1/2	133,122	1/2	118,158	1/2	103,190	1/2	88,206
3/4	3/4	3/4	3/4	3/4	190,681	3/4	180,396	3/4	170,058	3/4	159,692	3/4	147,751	3/4	132,810	3/4	117,846	3/4	102,878	3/4	87,897
10	10	10	10	10	190,467	10	180,181	10	169,842	10	159,477	10	147,440	10	132,498	10	117,535	10	102,566	10	87,588
1/4	1/4	1/4	1/4	1/4	190,254	1/4	179,965	1/4	169,626	1/4	159,261	1/4	147,130	1/4	132,186	1/4	117,223	1/4	102,253	1/4	87,279
1/2	1/2	1/2	1/2	1/2	190,040	1/2	179,750	1/2	169,410	1/2	159,045	1/2	146,820	1/2	131,874	1/2	116,911	1/2	101,941	1/2	86,969
3/4	3/4	3/4	3/4	3/4	189,826	3/4	179,534	3/4	169,194	3/4	158,829	3/4	146,510	3/4	131,563	3/4	116,600	3/4	101,629	3/4	86,660
11	11	11	11	11	189,612	11	179,319	11	168,978	11	158,613	11	146,200	11	131,251	11	116,288	11	101,317	11	86,351
1/4	1/4	1/4	1/4	1/4	189,399	1/4	179,104	1/4	168,762	1/4	158,397	1/4	145,890	1/4	130,939	1/4	115,977	1/4	101,004	1/4	86,041
1/2	1/2	1/2	1/2	1/2	189,185	1/2	178,888	1/2	168,546	1/2	158,181	1/2	145,580	1/2	130,627	1/2	115,665	1/2	100,692	1/2	85,732
3/4	3/4	3/4	3/4	3/4	188,971	3/4	178,673	3/4	168,330	3/4	157,965	3/4	145,270	3/4	130,316	3/4	115,354	3/4	100,380	3/4	85,423

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 "CTC 29148"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3023"

GAUGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	85,113	0	70,234	0	55,533	0	40,779	0	25,795	0	10,806	0		0		0		0	
1/4	84,804	1/4	69,922	1/4	55,232	1/4	40,468	1/4	25,483	1/4	10,494	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,495	1/2	69,610	1/2	54,931	1/2	40,156	1/2	25,171	1/2	10,181	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,185	3/4	69,298	3/4	54,630	3/4	39,844	3/4	24,858	3/4	9,869	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	83,876	1	68,986	1	54,329	1	39,532	1	24,546	1	9,557	1	1	1	1	1	1	1	1
1/4	83,567	1/4	68,673	1/4	54,028	1/4	39,221	1/4	24,234	1/4	9,244	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,257	1/2	68,361	1/2	53,727	1/2	38,909	1/2	23,921	1/2	8,932	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,948	3/4	68,050	3/4	53,425	3/4	38,597	3/4	23,609	3/4	8,620	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	82,639	2	67,738	2	53,124	2	38,285	2	23,297	2	8,307	2	2	2	2	2	2	2	2
1/4	82,329	1/4	67,426	1/4	52,823	1/4	37,974	1/4	22,984	1/4	7,995	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,020	1/2	67,114	1/2	52,522	1/2	37,662	1/2	22,672	1/2	7,682	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,711	3/4	66,802	3/4	52,221	3/4	37,350	3/4	22,360	3/4	7,370	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	81,401	3	66,490	3	51,920	3	37,038	3	22,047	3	7,057	3	3	3	3	3	3	3	3
1/4	81,092	1/4	66,178	1/4	51,619	1/4	36,726	1/4	21,735	1/4	6,745	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,783	1/2	65,866	1/2	51,318	1/2	36,414	1/2	21,423	1/2	6,432	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,473	3/4	65,554	3/4	51,016	3/4	36,101	3/4	21,111	3/4	6,119	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	80,164	4	65,242	4	50,714	4	35,789	4	20,799	4	5,807	4	4	4	4	4	4	4	4
1/4	79,855	1/4	64,929	1/4	50,412	1/4	35,477	1/4	20,486	1/4	5,494	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,545	1/2	64,617	1/2	50,110	1/2	35,164	1/2	20,174	1/2	5,181	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,236	3/4	64,308	3/4	49,804	3/4	34,852	3/4	19,862	3/4	4,868	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	78,927	5	63,999	5	49,497	5	34,540	5	19,550	5	4,556	5	5	5	5	5	5	5	5
1/4	78,617	1/4	63,689	1/4	49,191	1/4	34,228	1/4	19,238	1/4	4,243	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,308	1/2	63,380	1/2	48,885	1/2	33,915	1/2	18,926	1/2	3,931	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,999	3/4	63,076	3/4	48,573	3/4	33,603	3/4	18,614	3/4	3,619	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	77,689	6	62,771	6	48,261	6	33,291	6	18,301	6	3,307	6	6	6	6	6	6	6	6
1/4	77,380	1/4	62,467	1/4	47,949	1/4	32,978	1/4	17,989	1/4	2,995	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,071	1/2	62,163	1/2	47,637	1/2	32,666	1/2	17,677	1/2	2,683	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,761	3/4	61,861	3/4	47,326	3/4	32,354	3/4	17,365	3/4	2,391	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	76,452	7	61,558	7	47,014	7	32,041	7	17,052	7	2,098	7	7	7	7	7	7	7	7
1/4	76,143	1/4	61,256	1/4	46,702	1/4	31,729	1/4	16,740	1/4	1,806	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,833	1/2	60,954	1/2	46,390	1/2	31,417	1/2	16,428	1/2	1,514	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,524	3/4	60,653	3/4	46,079	3/4	31,104	3/4	16,115	3/4	1,292	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	75,215	8	60,351	8	45,767	8	30,792	8	15,803	8	1,071	8	8	8	8	8	8	8	8
1/4	74,905	1/4	60,050	1/4	45,455	1/4	30,480	1/4	15,491	1/4	849	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,596	1/2	59,749	1/2	45,144	1/2	30,167	1/2	15,178	1/2	628	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,286	3/4	59,448	3/4	44,832	3/4	29,855	3/4	14,866	3/4	---	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	73,975	9	59,147	9	44,520	9	29,543	9	14,554	9	---	9	9	9	9	9	9	9	9
1/4	73,665	1/4	58,846	1/4	44,208	1/4	29,231	1/4	14,241	1/4	---	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,355	1/2	58,545	1/2	43,897	1/2	28,918	1/2	13,929	1/2	---	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,043	3/4	58,244	3/4	43,585	3/4	28,606	3/4	13,617	3/4	---	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	72,731	10	57,942	10	43,273	10	28,294	10	13,304	10	---	10	10	10	10	10	10	10	10
1/4	72,418	1/4	57,641	1/4	42,961	1/4	27,981	1/4	12,992	1/4	---	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,106	1/2	57,340	1/2	42,650	1/2	27,669	1/2	12,680	1/2	---	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,794	3/4	57,039	3/4	42,338	3/4	27,357	3/4	12,367	3/4	---	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	71,482	11	56,738	11	42,026	11	27,044	11	12,055	11	---	11	11	11	11	11	11	11	11
1/4	71,170	1/4	56,437	1/4	41,715	1/4	26,732	1/4	11,743	1/4	---	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,858	1/2	56,136	1/2	41,403	1/2	26,420	1/2	11,430	1/2	---	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,546	3/4	55,834	3/4	41,091	3/4	26,107	3/4	11,118	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: 05/13/2019 SW
CALCULATED: 05/14/2019 CL
NAME CHANGE: 03/22/2023 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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ALL PRIOR TO 03/2023