



BARGE "OSAGE"

PORT HORIZONTAL INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

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	7,226	0	19,914	0	35,780	0	53,831	0	73,386	0	93,902	0	114,901	0	135,933	0	156,550
1/4	53	1/4	7,451	1/4	20,219	1/4	36,138	1/4	54,226	1/4	73,806	1/4	94,336	1/4	115,340	1/4	136,368	1/4	156,971
1/2	106	1/2	7,676	1/2	20,523	1/2	36,496	1/2	54,621	1/2	74,226	1/2	94,771	1/2	115,780	1/2	136,803	1/2	157,393
3/4	158	3/4	7,900	3/4	20,828	3/4	36,854	3/4	55,016	3/4	74,645	3/4	95,205	3/4	116,219	3/4	137,238	3/4	157,814
1	211	1	8,125	1	21,132	1	37,212	1	55,411	1	75,065	1	95,639	1	116,658	1	137,673	1	158,235
1/4	295	1/4	8,358	1/4	21,442	1/4	37,574	1/4	55,809	1/4	75,487	1/4	96,074	1/4	117,098	1/4	138,107	1/4	158,655
1/2	378	1/2	8,592	1/2	21,752	1/2	37,935	1/2	56,206	1/2	75,909	1/2	96,510	1/2	117,537	1/2	138,542	1/2	159,075
3/4	462	3/4	8,825	3/4	22,061	3/4	38,297	3/4	56,604	3/4	76,330	3/4	96,945	3/4	117,977	3/4	138,976	3/4	159,494
2	545	2	9,058	2	22,371	2	38,658	2	57,001	2	76,752	2	97,380	2	118,416	2	139,410	2	159,914
1/4	650	1/4	9,299	1/4	22,686	1/4	39,023	1/4	57,401	1/4	77,175	1/4	97,816	1/4	118,855	1/4	139,844	1/4	160,332
1/2	756	1/2	9,540	1/2	23,001	1/2	39,388	1/2	57,801	1/2	77,598	1/2	98,252	1/2	119,295	1/2	140,277	1/2	160,750
3/4	861	3/4	9,780	3/4	23,315	3/4	39,753	3/4	58,201	3/4	78,021	3/4	98,688	3/4	119,734	3/4	140,711	3/4	161,168
3	966	3	10,021	3	23,630	3	40,118	3	58,601	3	78,444	3	99,124	3	120,173	3	141,144	3	161,586
1/4	1,089	1/4	10,270	1/4	23,950	1/4	40,487	1/4	59,003	1/4	78,869	1/4	99,561	1/4	120,612	1/4	141,577	1/4	162,002
1/2	1,212	1/2	10,518	1/2	24,270	1/2	40,855	1/2	59,406	1/2	79,293	1/2	99,997	1/2	121,052	1/2	142,009	1/2	162,418
3/4	1,335	3/4	10,767	3/4	24,589	3/4	41,224	3/4	59,808	3/4	79,718	3/4	100,434	3/4	121,491	3/4	142,442	3/4	162,834
4	1,458	4	11,015	4	24,909	4	41,592	4	60,210	4	80,142	4	100,870	4	121,930	4	142,874	4	163,250
1/4	1,597	1/4	11,271	1/4	25,234	1/4	41,964	1/4	60,615	1/4	80,568	1/4	101,307	1/4	122,369	1/4	143,306	1/4	163,665
1/2	1,736	1/2	11,526	1/2	25,558	1/2	42,336	1/2	61,020	1/2	80,994	1/2	101,745	1/2	122,808	1/2	143,737	1/2	164,079
3/4	1,874	3/4	11,782	3/4	25,883	3/4	42,707	3/4	61,424	3/4	81,420	3/4	102,182	3/4	123,246	3/4	144,169	3/4	164,494
5	2,013	5	12,037	5	26,207	5	43,079	5	61,829	5	81,846	5	102,619	5	123,685	5	144,600	5	164,908
1/4	2,166	1/4	12,300	1/4	26,536	1/4	43,454	1/4	62,236	1/4	82,273	1/4	103,057	1/4	124,124	1/4	145,031	1/4	165,321
1/2	2,318	1/2	12,562	1/2	26,865	1/2	43,829	1/2	62,643	1/2	82,700	1/2	103,494	1/2	124,563	1/2	145,461	1/2	165,733
3/4	2,471	3/4	12,825	3/4	27,194	3/4	44,204	3/4	63,049	3/4	83,127	3/4	103,932	3/4	125,001	3/4	145,892	3/4	166,146
6	2,623	6	13,087	6	27,523	6	44,579	6	63,456	6	83,554	6	104,369	6	125,440	6	146,322	6	166,558
1/4	2,788	1/4	13,356	1/4	27,857	1/4	44,957	1/4	63,865	1/4	83,983	1/4	104,807	1/4	125,879	1/4	146,751	1/4	166,969
1/2	2,954	1/2	13,626	1/2	28,190	1/2	45,336	1/2	64,274	1/2	84,411	1/2	105,246	1/2	126,317	1/2	147,181	1/2	167,379
3/4	3,119	3/4	13,895	3/4	28,524	3/4	45,714	3/4	64,683	3/4	84,840	3/4	105,684	3/4	126,756	3/4	147,610	3/4	167,790
7	3,284	7	14,164	7	28,857	7	46,092	7	65,092	7	85,268	7	106,122	7	127,194	7	148,039	7	168,200
1/4	3,461	1/4	14,440	1/4	29,195	1/4	46,473	1/4	65,503	1/4	85,698	1/4	106,560	1/4	127,632	1/4	148,467	1/4	168,609
1/2	3,638	1/2	14,715	1/2	29,533	1/2	46,855	1/2	65,914	1/2	86,128	1/2	106,999	1/2	128,070	1/2	148,896	1/2	169,017
3/4	3,814	3/4	14,991	3/4	29,871	3/4	47,236	3/4	66,324	3/4	86,557	3/4	107,437	3/4	128,508	3/4	149,324	3/4	169,426
8	3,991	8	15,266	8	30,209	8	47,617	8	66,735	8	86,987	8	107,875	8	128,946	8	149,752	8	169,834
1/4	4,179	1/4	15,548	1/4	30,551	1/4	48,001	1/4	67,148	1/4	87,418	1/4	108,314	1/4	129,384	1/4	150,179	1/4	170,240
1/2	4,366	1/2	15,830	1/2	30,894	1/2	48,385	1/2	67,561	1/2	87,848	1/2	108,753	1/2	129,821	1/2	150,606	1/2	170,647
3/4	4,554	3/4	16,111	3/4	31,236	3/4	48,769	3/4	67,974	3/4	88,279	3/4	109,191	3/4	130,259	3/4	151,033	3/4	171,053
9	4,741	9	16,393	9	31,578	9	49,153	9	68,387	9	88,709	9	109,630	9	130,696	9	151,460	9	171,459
1/4	4,939	1/4	16,681	1/4	31,924	1/4	49,540	1/4	68,802	1/4	89,141	1/4	110,069	1/4	131,133	1/4	151,886	1/4	171,863
1/2	5,137	1/2	16,969	1/2	32,271	1/2	49,928	1/2	69,217	1/2	89,573	1/2	110,508	1/2	131,570	1/2	152,311	1/2	172,268
3/4	5,334	3/4	17,256	3/4	32,617	3/4	50,315	3/4	69,631	3/4	90,004	3/4	110,947	3/4	132,007	3/4	152,737	3/4	172,672
10	5,532	10	17,544	10	32,963	10	50,702	10	70,046	10	90,436	10	111,386	10	132,444	10	153,162	10	173,076
1/4	5,739	1/4	17,838	1/4	33,313	1/4	51,092	1/4	70,463	1/4	90,869	1/4	111,825	1/4	132,881	1/4	153,586	1/4	173,478
1/2	5,947	1/2	18,131	1/2	33,664	1/2	51,482	1/2	70,879	1/2	91,302	1/2	112,265	1/2	133,317	1/2	154,011	1/2	173,880
3/4	6,154	3/4	18,425	3/4	34,014	3/4	51,871	3/4	71,296	3/4	91,734	3/4	112,704	3/4	133,754	3/4	154,435	3/4	174,281
11	6,361	11	18,718	11	34,364	11	52,261	11	71,712	11	92,167	11	113,143	11	134,190	11	154,859	11	174,683
1/4	6,577	1/4	19,017	1/4	34,718	1/4	52,654	1/4	72,131	1/4	92,601	1/4	113,583	1/4	134,626	1/4	155,282	1/4	175,083
1/2	6,794	1/2	19,316	1/2	35,072	1/2	53,046	1/2	72,549	1/2	93,035	1/2	114,022	1/2	135,062	1/2	155,705	1/2	175,482
3/4	7,010	3/4	19,615	3/4	35,426	3/4	53,439	3/4	72,968	3/4	93,468	3/4	114,462	3/4	135,497	3/4	156,127	3/4	175,882

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "OSAGE"

PORT HORIZONTAL INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	176,281	0	194,595	0	210,839	0	224,089	0	232,483	0		0		0		0		0	
1/4	176,678	1/4	194,956	1/4	211,148	1/4	224,321	1/4	232,561	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	177,075	1/2	195,317	1/2	211,457	1/2	224,552	1/2	232,640	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	177,472	3/4	195,677	3/4	211,765	3/4	224,784	3/4	232,718	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	177,869	1	196,038	1	212,074	1	225,015	1	232,796	1	1	1	1	1	1	1	1	1	1
1/4	178,264	1/4	196,395	1/4	212,377	1/4	225,238	1/4	232,839	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	178,659	1/2	196,752	1/2	212,681	1/2	225,462	1/2	232,881	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	179,053	3/4	197,109	3/4	212,984	3/4	225,685	3/4	232,924	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	179,448	2	197,466	2	213,287	2	225,908	2	232,966	2	2	2	2	2	2	2	2	2	2
1/4	179,840	1/4	197,820	1/4	213,585	1/4	226,122	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	180,232	1/2	198,173	1/2	213,883	1/2	226,337	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	180,623	3/4	198,527	3/4	214,181	3/4	226,551	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	181,015	3	198,880	3	214,479	3	226,765	3		3	3	3	3	3	3	3	3	3	3
1/4	181,404	1/4	199,229	1/4	214,771	1/4	226,971	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	181,794	1/2	199,579	1/2	215,064	1/2	227,176	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	182,183	3/4	199,928	3/4	215,356	3/4	227,382	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	182,572	4	200,277	4	215,648	4	227,587	4		4	4	4	4	4	4	4	4	4	4
1/4	182,959	1/4	200,623	1/4	215,935	1/4	227,783	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	183,345	1/2	200,968	1/2	216,221	1/2	227,978	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	183,732	3/4	201,314	3/4	216,508	3/4	228,174	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	184,118	5	201,659	5	216,794	5	228,369	5		5	5	5	5	5	5	5	5	5	5
1/4	184,502	1/4	202,000	1/4	217,075	1/4	228,555	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	184,885	1/2	202,342	1/2	217,355	1/2	228,740	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	185,269	3/4	202,683	3/4	217,636	3/4	228,926	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	185,652	6	203,024	6	217,916	6	229,111	6		6	6	6	6	6	6	6	6	6	6
1/4	186,033	1/4	203,361	1/4	218,190	1/4	229,286	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	186,413	1/2	203,698	1/2	218,465	1/2	229,460	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	186,794	3/4	204,035	3/4	218,739	3/4	229,635	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	187,174	7	204,372	7	219,013	7	229,809	7		7	7	7	7	7	7	7	7	7	7
1/4	187,552	1/4	204,705	1/4	219,281	1/4	229,972	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	187,930	1/2	205,038	1/2	219,549	1/2	230,134	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	188,307	3/4	205,370	3/4	219,816	3/4	230,297	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	188,685	8	205,703	8	220,084	8	230,459	8		8	8	8	8	8	8	8	8	8	8
1/4	189,059	1/4	206,031	1/4	220,345	1/4	230,609	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	189,434	1/2	206,359	1/2	220,606	1/2	230,759	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	189,808	3/4	206,687	3/4	220,867	3/4	230,908	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	190,182	9	207,015	9	221,128	9	231,058	9		9	9	9	9	9	9	9	9	9	9
1/4	190,553	1/4	207,339	1/4	221,382	1/4	231,194	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	190,925	1/2	207,662	1/2	221,637	1/2	231,329	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	191,296	3/4	207,986	3/4	221,891	3/4	231,465	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	191,667	10	208,309	10	222,145	10	231,600	10		10	10	10	10	10	10	10	10	10	10
1/4	192,035	1/4	208,628	1/4	222,392	1/4	231,720	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	192,403	1/2	208,947	1/2	222,639	1/2	231,840	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	192,770	3/4	209,265	3/4	222,885	3/4	231,959	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	193,138	11	209,584	11	223,132	11	232,079	11		11	11	11	11	11	11	11	11	11	11
1/4	193,502	1/4	209,898	1/4	223,371	1/4	232,180	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	193,867	1/2	210,212	1/2	223,611	1/2	232,281	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	194,231	3/4	210,525	3/4	223,850	3/4	232,382	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

STRAPPED: 03/31/1981 EWS
REPRINTED: 07/20/2022

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2022

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.
PRECISION MEASUREMENT
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CENTER HORIZONTAL INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

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	7,193	0	19,870	0	35,732	0	53,781	0	73,338	0	93,860	0	114,867	0	135,911	0	156,543
1/4	51	1/4	7,418	1/4	20,175	1/4	36,090	1/4	54,176	1/4	73,758	1/4	94,295	1/4	115,307	1/4	136,346	1/4	156,965
1/2	102	1/2	7,642	1/2	20,479	1/2	36,448	1/2	54,571	1/2	74,179	1/2	94,729	1/2	115,746	1/2	136,782	1/2	157,386
3/4	152	3/4	7,867	3/4	20,784	3/4	36,805	3/4	54,966	3/4	74,599	3/4	95,164	3/4	116,186	3/4	137,217	3/4	157,808
1	203	1	8,091	1	21,088	1	37,163	1	55,361	1	75,019	1	95,598	1	116,625	1	137,652	1	158,229
1/4	285	1/4	8,324	1/4	21,398	1/4	37,525	1/4	55,759	1/4	75,441	1/4	96,034	1/4	117,065	1/4	138,087	1/4	158,649
1/2	368	1/2	8,557	1/2	21,707	1/2	37,886	1/2	56,157	1/2	75,862	1/2	96,469	1/2	117,505	1/2	138,521	1/2	159,069
3/4	450	3/4	8,789	3/4	22,017	3/4	38,248	3/4	56,554	3/4	76,284	3/4	96,905	3/4	117,944	3/4	138,956	3/4	159,489
2	532	2	9,022	2	22,326	2	38,609	2	56,952	2	76,705	2	97,340	2	118,384	2	139,390	2	159,909
1/4	637	1/4	9,263	1/4	22,641	1/4	38,974	1/4	57,352	1/4	77,128	1/4	97,776	1/4	118,824	1/4	139,824	1/4	160,328
1/2	741	1/2	9,504	1/2	22,956	1/2	39,339	1/2	57,752	1/2	77,552	1/2	98,212	1/2	119,263	1/2	140,258	1/2	160,746
3/4	846	3/4	9,744	3/4	23,270	3/4	39,704	3/4	58,152	3/4	77,975	3/4	98,648	3/4	119,703	3/4	140,691	3/4	161,165
3	950	3	9,985	3	23,585	3	40,069	3	58,552	3	78,398	3	99,084	3	120,142	3	141,125	3	161,583
1/4	1,072	1/4	10,233	1/4	23,905	1/4	40,438	1/4	58,954	1/4	78,823	1/4	99,521	1/4	120,581	1/4	141,558	1/4	162,000
1/2	1,195	1/2	10,481	1/2	24,224	1/2	40,806	1/2	59,357	1/2	79,247	1/2	99,958	1/2	121,021	1/2	141,991	1/2	162,416
3/4	1,317	3/4	10,729	3/4	24,544	3/4	41,175	3/4	59,759	3/4	79,672	3/4	100,394	3/4	121,460	3/4	142,423	3/4	162,833
4	1,439	4	10,977	4	24,863	4	41,543	4	60,161	4	80,096	4	100,831	4	121,899	4	142,856	4	163,249
1/4	1,577	1/4	11,233	1/4	25,187	1/4	41,915	1/4	60,566	1/4	80,522	1/4	101,268	1/4	122,338	1/4	143,288	1/4	163,664
1/2	1,716	1/2	11,488	1/2	25,512	1/2	42,287	1/2	60,971	1/2	80,948	1/2	101,706	1/2	122,778	1/2	143,720	1/2	164,079
3/4	1,854	3/4	11,744	3/4	25,836	3/4	42,658	3/4	61,375	3/4	81,374	3/4	102,143	3/4	123,217	3/4	144,152	3/4	164,493
5	1,992	5	11,999	5	26,160	5	43,030	5	61,780	5	81,800	5	102,580	5	123,656	5	144,584	5	164,908
1/4	2,144	1/4	12,261	1/4	26,489	1/4	43,405	1/4	62,187	1/4	82,227	1/4	103,018	1/4	124,095	1/4	145,015	1/4	165,321
1/2	2,296	1/2	12,524	1/2	26,818	1/2	43,780	1/2	62,594	1/2	82,655	1/2	103,456	1/2	124,534	1/2	145,446	1/2	165,734
3/4	2,448	3/4	12,786	3/4	27,147	3/4	44,155	3/4	63,000	3/4	83,082	3/4	103,893	3/4	124,973	3/4	145,876	3/4	166,146
6	2,600	6	13,048	6	27,476	6	44,530	6	63,407	6	83,509	6	104,331	6	125,412	6	146,307	6	166,559
1/4	2,765	1/4	13,317	1/4	27,810	1/4	44,908	1/4	63,816	1/4	83,938	1/4	104,769	1/4	125,851	1/4	146,737	1/4	166,970
1/2	2,929	1/2	13,586	1/2	28,143	1/2	45,286	1/2	64,225	1/2	84,367	1/2	105,208	1/2	126,290	1/2	147,167	1/2	167,381
3/4	3,094	3/4	13,855	3/4	28,477	3/4	45,664	3/4	64,634	3/4	84,795	3/4	105,646	3/4	126,728	3/4	147,596	3/4	167,792
7	3,258	7	14,124	7	28,810	7	46,042	7	65,043	7	85,224	7	106,084	7	127,167	7	148,026	7	168,203
1/4	3,435	1/4	14,399	1/4	29,148	1/4	46,423	1/4	65,454	1/4	85,654	1/4	106,523	1/4	127,605	1/4	148,455	1/4	168,612
1/2	3,611	1/2	14,675	1/2	29,486	1/2	46,805	1/2	65,865	1/2	86,084	1/2	106,962	1/2	128,044	1/2	148,883	1/2	169,021
3/4	3,788	3/4	14,950	3/4	29,824	3/4	47,186	3/4	66,276	3/4	86,513	3/4	107,400	3/4	128,482	3/4	149,312	3/4	169,430
8	3,964	8	15,225	8	30,162	8	47,567	8	66,687	8	86,943	8	107,839	8	128,920	8	149,740	8	169,839
1/4	4,151	1/4	15,507	1/4	30,504	1/4	47,951	1/4	67,100	1/4	87,374	1/4	108,278	1/4	129,358	1/4	150,167	1/4	170,246
1/2	4,338	1/2	15,788	1/2	30,846	1/2	48,336	1/2	67,513	1/2	87,805	1/2	108,717	1/2	129,796	1/2	150,595	1/2	170,653
3/4	4,525	3/4	16,070	3/4	31,188	3/4	48,720	3/4	67,926	3/4	88,235	3/4	109,156	3/4	130,233	3/4	151,022	3/4	171,059
9	4,712	9	16,351	9	31,530	9	49,104	9	68,339	9	88,666	9	109,595	9	130,671	9	151,449	9	171,466
1/4	4,910	1/4	16,639	1/4	31,876	1/4	49,491	1/4	68,754	1/4	89,098	1/4	110,034	1/4	131,108	1/4	151,875	1/4	171,871
1/2	5,107	1/2	16,926	1/2	32,223	1/2	49,878	1/2	69,169	1/2	89,530	1/2	110,473	1/2	131,546	1/2	152,301	1/2	172,275
3/4	5,305	3/4	17,214	3/4	32,569	3/4	50,265	3/4	69,583	3/4	89,961	3/4	110,912	3/4	131,983	3/4	152,726	3/4	172,680
10	5,502	10	17,501	10	32,915	10	50,652	10	69,998	10	90,393	10	111,351	10	132,420	10	153,152	10	173,084
1/4	5,709	1/4	17,795	1/4	33,265	1/4	51,042	1/4	70,415	1/4	90,826	1/4	111,791	1/4	132,857	1/4	153,577	1/4	173,486
1/2	5,916	1/2	18,088	1/2	33,615	1/2	51,432	1/2	70,832	1/2	91,259	1/2	112,230	1/2	133,294	1/2	154,002	1/2	173,889
3/4	6,122	3/4	18,382	3/4	33,965	3/4	51,821	3/4	71,248	3/4	91,692	3/4	112,670	3/4	133,730	3/4	154,426	3/4	174,291
11	6,329	11	18,675	11	34,315	11	52,211	11	71,665	11	92,125	11	113,109	11	134,167	11	154,851	11	174,693
1/4	6,545	1/4	18,974	1/4	34,669	1/4	52,604	1/4	72,083	1/4	92,559	1/4	113,549	1/4	134,603	1/4	155,274	1/4	175,093
1/2	6,761	1/2	19,273	1/2	35,024	1/2	52,996	1/2	72,502	1/2	92,993	1/2	113,988	1/2	135,039	1/2	155,697	1/2	175,493
3/4	6,977	3/4	19,571	3/4	35,378	3/4	53,389	3/4	72,920	3/4	93,426	3/4	114,428	3/4	135,475	3/4	156,120	3/4	175,893

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CENTER HORIZONTAL INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	176,293	0	194,630	0	210,905	0	224,196	0	232,664	0		0		0		0		0	
1/4	176,691	1/4	194,991	1/4	211,214	1/4	224,429	1/4	232,745	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	177,088	1/2	195,353	1/2	211,524	1/2	224,661	1/2	232,827	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	177,486	3/4	195,714	3/4	211,833	3/4	224,894	3/4	232,908	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	177,883	1	196,075	1	212,142	1	225,126	1	232,989	1		1		1		1		1	
1/4	178,278	1/4	196,433	1/4	212,446	1/4	225,350	1/4	233,038	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	178,673	1/2	196,791	1/2	212,751	1/2	225,575	1/2	233,087	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	179,068	3/4	197,148	3/4	213,055	3/4	225,799	3/4	233,136	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	179,463	2	197,506	2	213,359	2	226,023	2	233,185	2		2		2		2		2	
1/4	179,855	1/4	197,860	1/4	213,658	1/4	226,239	1/8	233,193	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	180,248	1/2	198,214	1/2	213,956	1/2	226,455	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	180,640	3/4	198,568	3/4	214,255	3/4	226,670	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	181,032	3	198,922	3	214,553	3	226,886	3		3		3		3		3		3	
1/4	181,422	1/4	199,272	1/4	214,846	1/4	227,093	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	181,812	1/2	199,622	1/2	215,140	1/2	227,299	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	182,201	3/4	199,972	3/4	215,433	3/4	227,506	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	182,591	4	200,322	4	215,726	4	227,712	4		4		4		4		4		4	
1/4	182,978	1/4	200,668	1/4	216,013	1/4	227,909	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	183,365	1/2	201,014	1/2	216,301	1/2	228,106	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	183,752	3/4	201,360	3/4	216,588	3/4	228,303	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	184,139	5	201,706	5	216,875	5	228,500	5		5		5		5		5		5	
1/4	184,523	1/4	202,048	1/4	217,156	1/4	228,687	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	184,907	1/2	202,390	1/2	217,438	1/2	228,874	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	185,291	3/4	202,731	3/4	217,719	3/4	229,060	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	185,675	6	203,073	6	218,000	6	229,247	6		6		6		6		6		6	
1/4	186,056	1/4	203,411	1/4	218,275	1/4	229,423	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	186,437	1/2	203,749	1/2	218,551	1/2	229,599	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	186,818	3/4	204,086	3/4	218,826	3/4	229,774	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	187,199	7	204,424	7	219,101	7	229,950	7		7		7		7		7		7	
1/4	187,577	1/4	204,757	1/4	219,370	1/4	230,114	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	187,955	1/2	205,091	1/2	219,638	1/2	230,279	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	188,333	3/4	205,424	3/4	219,907	3/4	230,443	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	188,711	8	205,757	8	220,175	8	230,607	8		8		8		8		8		8	
1/4	189,086	1/4	206,086	1/4	220,437	1/4	230,759	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	189,461	1/2	206,415	1/2	220,699	1/2	230,910	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	189,836	3/4	206,744	3/4	220,961	3/4	231,062	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	190,211	9	207,073	9	221,223	9	231,213	9		9		9		9		9		9	
1/4	190,583	1/4	207,397	1/4	221,478	1/4	231,351	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	190,954	1/2	207,721	1/2	221,734	1/2	231,488	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	191,326	3/4	208,045	3/4	221,989	3/4	231,626	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	191,697	10	208,369	10	222,244	10	231,763	10		10		10		10		10		10	
1/4	192,066	1/4	208,689	1/4	222,492	1/4	231,885	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	192,434	1/2	209,008	1/2	222,740	1/2	232,007	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	192,803	3/4	209,328	3/4	222,987	3/4	232,128	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	193,171	11	209,647	11	223,235	11	232,250	11		11		11		11		11		11	
1/4	193,536	1/4	209,962	1/4	223,475	1/4	232,354	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	193,901	1/2	210,276	1/2	223,716	1/2	232,457	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	194,265	3/4	210,591	3/4	223,956	3/4	232,561	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

STRAPPED: 03/31/1981
REPRINTED: 07/20/2022

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2022

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "OSAGE"

STBD HORIZONTAL INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

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	7,193	0	19,870	0	35,732	0	53,781	0	73,338	0	93,860	0	114,867	0	135,911	0	156,543
1/4	51	1/4	7,418	1/4	20,175	1/4	36,090	1/4	54,176	1/4	73,758	1/4	94,295	1/4	115,307	1/4	136,346	1/4	156,965
1/2	102	1/2	7,642	1/2	20,479	1/2	36,448	1/2	54,571	1/2	74,179	1/2	94,729	1/2	115,746	1/2	136,782	1/2	157,386
3/4	152	3/4	7,867	3/4	20,784	3/4	36,805	3/4	54,966	3/4	74,599	3/4	95,164	3/4	116,186	3/4	137,217	3/4	157,808
1	203	1	8,091	1	21,088	1	37,163	1	55,361	1	75,019	1	95,598	1	116,625	1	137,652	1	158,229
1/4	285	1/4	8,324	1/4	21,398	1/4	37,525	1/4	55,759	1/4	75,441	1/4	96,034	1/4	117,065	1/4	138,087	1/4	158,649
1/2	368	1/2	8,557	1/2	21,707	1/2	37,886	1/2	56,157	1/2	75,862	1/2	96,469	1/2	117,505	1/2	138,521	1/2	159,069
3/4	450	3/4	8,789	3/4	22,017	3/4	38,248	3/4	56,554	3/4	76,284	3/4	96,905	3/4	117,944	3/4	138,956	3/4	159,489
2	532	2	9,022	2	22,326	2	38,609	2	56,952	2	76,705	2	97,340	2	118,384	2	139,390	2	159,909
1/4	637	1/4	9,263	1/4	22,641	1/4	38,974	1/4	57,352	1/4	77,128	1/4	97,776	1/4	118,824	1/4	139,824	1/4	160,328
1/2	741	1/2	9,504	1/2	22,956	1/2	39,339	1/2	57,752	1/2	77,552	1/2	98,212	1/2	119,263	1/2	140,258	1/2	160,746
3/4	846	3/4	9,744	3/4	23,270	3/4	39,704	3/4	58,152	3/4	77,975	3/4	98,648	3/4	119,703	3/4	140,691	3/4	161,165
3	950	3	9,985	3	23,585	3	40,069	3	58,552	3	78,398	3	99,084	3	120,142	3	141,125	3	161,583
1/4	1,072	1/4	10,233	1/4	23,905	1/4	40,438	1/4	58,954	1/4	78,823	1/4	99,521	1/4	120,581	1/4	141,558	1/4	162,000
1/2	1,195	1/2	10,481	1/2	24,224	1/2	40,806	1/2	59,357	1/2	79,247	1/2	99,958	1/2	121,021	1/2	141,991	1/2	162,416
3/4	1,317	3/4	10,729	3/4	24,544	3/4	41,175	3/4	59,759	3/4	79,672	3/4	100,394	3/4	121,460	3/4	142,423	3/4	162,833
4	1,439	4	10,977	4	24,863	4	41,543	4	60,161	4	80,096	4	100,831	4	121,899	4	142,856	4	163,249
1/4	1,577	1/4	11,233	1/4	25,187	1/4	41,915	1/4	60,566	1/4	80,522	1/4	101,268	1/4	122,338	1/4	143,288	1/4	163,664
1/2	1,716	1/2	11,488	1/2	25,512	1/2	42,287	1/2	60,971	1/2	80,948	1/2	101,706	1/2	122,778	1/2	143,720	1/2	164,079
3/4	1,854	3/4	11,744	3/4	25,836	3/4	42,658	3/4	61,375	3/4	81,374	3/4	102,143	3/4	123,217	3/4	144,152	3/4	164,493
5	1,992	5	11,999	5	26,160	5	43,030	5	61,780	5	81,800	5	102,580	5	123,656	5	144,584	5	164,908
1/4	2,144	1/4	12,261	1/4	26,489	1/4	43,405	1/4	62,187	1/4	82,227	1/4	103,018	1/4	124,095	1/4	145,015	1/4	165,321
1/2	2,296	1/2	12,524	1/2	26,818	1/2	43,780	1/2	62,594	1/2	82,655	1/2	103,456	1/2	124,534	1/2	145,446	1/2	165,734
3/4	2,448	3/4	12,786	3/4	27,147	3/4	44,155	3/4	63,000	3/4	83,082	3/4	103,893	3/4	124,973	3/4	145,876	3/4	166,146
6	2,600	6	13,048	6	27,476	6	44,530	6	63,407	6	83,509	6	104,331	6	125,412	6	146,307	6	166,559
1/4	2,765	1/4	13,317	1/4	27,810	1/4	44,908	1/4	63,816	1/4	83,938	1/4	104,769	1/4	125,851	1/4	146,737	1/4	166,970
1/2	2,929	1/2	13,586	1/2	28,143	1/2	45,286	1/2	64,225	1/2	84,367	1/2	105,208	1/2	126,290	1/2	147,167	1/2	167,381
3/4	3,094	3/4	13,855	3/4	28,477	3/4	45,664	3/4	64,634	3/4	84,795	3/4	105,646	3/4	126,728	3/4	147,596	3/4	167,792
7	3,258	7	14,124	7	28,810	7	46,042	7	65,043	7	85,224	7	106,084	7	127,167	7	148,026	7	168,203
1/4	3,435	1/4	14,399	1/4	29,148	1/4	46,423	1/4	65,454	1/4	85,654	1/4	106,523	1/4	127,605	1/4	148,455	1/4	168,612
1/2	3,611	1/2	14,675	1/2	29,486	1/2	46,805	1/2	65,865	1/2	86,084	1/2	106,962	1/2	128,044	1/2	148,883	1/2	169,021
3/4	3,788	3/4	14,950	3/4	29,824	3/4	47,186	3/4	66,276	3/4	86,513	3/4	107,400	3/4	128,482	3/4	149,312	3/4	169,430
8	3,964	8	15,225	8	30,162	8	47,567	8	66,687	8	86,943	8	107,839	8	128,920	8	149,740	8	169,839
1/4	4,151	1/4	15,507	1/4	30,504	1/4	47,951	1/4	67,100	1/4	87,374	1/4	108,278	1/4	129,358	1/4	150,167	1/4	170,246
1/2	4,338	1/2	15,788	1/2	30,846	1/2	48,336	1/2	67,513	1/2	87,805	1/2	108,717	1/2	129,796	1/2	150,595	1/2	170,653
3/4	4,525	3/4	16,070	3/4	31,188	3/4	48,720	3/4	67,926	3/4	88,235	3/4	109,156	3/4	130,233	3/4	151,022	3/4	171,059
9	4,712	9	16,351	9	31,530	9	49,104	9	68,339	9	88,666	9	109,595	9	130,671	9	151,449	9	171,466
1/4	4,910	1/4	16,639	1/4	31,876	1/4	49,491	1/4	68,754	1/4	89,098	1/4	110,034	1/4	131,108	1/4	151,875	1/4	171,871
1/2	5,107	1/2	16,926	1/2	32,223	1/2	49,878	1/2	69,169	1/2	89,530	1/2	110,473	1/2	131,546	1/2	152,301	1/2	172,275
3/4	5,305	3/4	17,214	3/4	32,569	3/4	50,265	3/4	69,583	3/4	89,961	3/4	110,912	3/4	131,983	3/4	152,726	3/4	172,680
10	5,502	10	17,501	10	32,915	10	50,652	10	69,998	10	90,393	10	111,351	10	132,420	10	153,152	10	173,084
1/4	5,709	1/4	17,795	1/4	33,265	1/4	51,042	1/4	70,415	1/4	90,826	1/4	111,791	1/4	132,857	1/4	153,577	1/4	173,486
1/2	5,916	1/2	18,088	1/2	33,615	1/2	51,432	1/2	70,832	1/2	91,259	1/2	112,230	1/2	133,294	1/2	154,002	1/2	173,889
3/4	6,122	3/4	18,382	3/4	33,965	3/4	51,821	3/4	71,248	3/4	91,692	3/4	112,670	3/4	133,730	3/4	154,426	3/4	174,291
11	6,329	11	18,675	11	34,315	11	52,211	11	71,665	11	92,125	11	113,109	11	134,167	11	154,851	11	174,693
1/4	6,545	1/4	18,974	1/4	34,669	1/4	52,604	1/4	72,083	1/4	92,559	1/4	113,549	1/4	134,603	1/4	155,274	1/4	175,093
1/2	6,761	1/2	19,273	1/2	35,024	1/2	52,996	1/2	72,502	1/2	92,993	1/2	113,988	1/2	135,039	1/2	155,697	1/2	175,493
3/4	6,977	3/4	19,571	3/4	35,378	3/4	53,389	3/4	72,920	3/4	93,426	3/4	114,428	3/4	135,475	3/4	156,120	3/4	175,893

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "OSAGE"

STBD HORIZONTAL INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	176,293	0	194,630	0	210,905	0	224,196	0	232,664	0		0		0		0		0	
1/4	176,691	1/4	194,991	1/4	211,214	1/4	224,429	1/4	232,745	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	177,088	1/2	195,353	1/2	211,524	1/2	224,661	1/2	232,827	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	177,486	3/4	195,714	3/4	211,833	3/4	224,894	3/4	232,908	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	177,883	1	196,075	1	212,142	1	225,126	1	232,989	1	1	1	1	1	1	1	1	1	1
1/4	178,278	1/4	196,433	1/4	212,446	1/4	225,350	1/4	233,038	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	178,673	1/2	196,791	1/2	212,751	1/2	225,575	1/2	233,087	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	179,068	3/4	197,148	3/4	213,055	3/4	225,799	3/4	233,136	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	179,463	2	197,506	2	213,359	2	226,023	2	233,185	2	2	2	2	2	2	2	2	2	2
1/4	179,855	1/4	197,860	1/4	213,658	1/4	226,239	1/8	233,193	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	180,248	1/2	198,214	1/2	213,956	1/2	226,455	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	180,640	3/4	198,568	3/4	214,255	3/4	226,670	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	181,032	3	198,922	3	214,553	3	226,886	3	3	3	3	3	3	3	3	3	3	3	3
1/4	181,422	1/4	199,272	1/4	214,846	1/4	227,093	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	181,812	1/2	199,622	1/2	215,140	1/2	227,299	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	182,201	3/4	199,972	3/4	215,433	3/4	227,506	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	182,591	4	200,322	4	215,726	4	227,712	4	4	4	4	4	4	4	4	4	4	4	4
1/4	182,978	1/4	200,668	1/4	216,013	1/4	227,909	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	183,365	1/2	201,014	1/2	216,301	1/2	228,106	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	183,752	3/4	201,360	3/4	216,588	3/4	228,303	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	184,139	5	201,706	5	216,875	5	228,500	5	5	5	5	5	5	5	5	5	5	5	5
1/4	184,523	1/4	202,048	1/4	217,156	1/4	228,687	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	184,907	1/2	202,390	1/2	217,438	1/2	228,874	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	185,291	3/4	202,731	3/4	217,719	3/4	229,060	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	185,675	6	203,073	6	218,000	6	229,247	6	6	6	6	6	6	6	6	6	6	6	6
1/4	186,056	1/4	203,411	1/4	218,275	1/4	229,423	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	186,437	1/2	203,749	1/2	218,551	1/2	229,599	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	186,818	3/4	204,086	3/4	218,826	3/4	229,774	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	187,199	7	204,424	7	219,101	7	229,950	7	7	7	7	7	7	7	7	7	7	7	7
1/4	187,577	1/4	204,757	1/4	219,370	1/4	230,114	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	187,955	1/2	205,091	1/2	219,638	1/2	230,279	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	188,333	3/4	205,424	3/4	219,907	3/4	230,443	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	188,711	8	205,757	8	220,175	8	230,607	8	8	8	8	8	8	8	8	8	8	8	8
1/4	189,086	1/4	206,086	1/4	220,437	1/4	230,759	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	189,461	1/2	206,415	1/2	220,699	1/2	230,910	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	189,836	3/4	206,744	3/4	220,961	3/4	231,062	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	190,211	9	207,073	9	221,223	9	231,213	9	9	9	9	9	9	9	9	9	9	9	9
1/4	190,583	1/4	207,397	1/4	221,478	1/4	231,351	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	190,954	1/2	207,721	1/2	221,734	1/2	231,488	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	191,326	3/4	208,045	3/4	221,989	3/4	231,626	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	191,697	10	208,369	10	222,244	10	231,763	10	10	10	10	10	10	10	10	10	10	10	10
1/4	192,066	1/4	208,689	1/4	222,492	1/4	231,885	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	192,434	1/2	209,008	1/2	222,740	1/2	232,007	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	192,803	3/4	209,328	3/4	222,987	3/4	232,128	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	193,171	11	209,647	11	223,235	11	232,250	11	11	11	11	11	11	11	11	11	11	11	11
1/4	193,536	1/4	209,962	1/4	223,475	1/4	232,354	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	193,901	1/2	210,276	1/2	223,716	1/2	232,457	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	194,265	3/4	210,591	3/4	223,956	3/4	232,561	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

STRAPPED: 03/31/1981 EWS
REPRINTED: 07/20/2022

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2022

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