

Aztec Pictured Cliffs Pool

year	Annual Gp (mmcf)	Cumulative (mmcf)	Active wells	per well (mcf/d/well)	Sum of SIWHP x 1000	Tested wells	Ave SIWHP tested/active per well	wells, %
1952	388	407	16	66.4	8.356	14 New wells	597	87.5
1953	1768	2175	69	70.2	32.375	51 New wells	635	73.9
	1768	2175	69	70.2	29	55 deliver	527	79.7
1954	1768	2175	69	70.2	61.375	106 total	579	153.6
	3947	6122	99	109.2	21.121	31 New wells	681	31.3
	3947	6122	99	109.2	42.8	86 deliver	498	86.9
	3947	6122	99	109.2	63.903	117 total	546	118.2
1955	6328	12450	160	108.4	36.802	52 New wells	708	32.5
	6328	12450	160	108.4	62.6	134 deliver	467	83.8
	6328	12450	160	108.4	99.434	186 total	535	116.3
1956	7741	20191	195	108.8	96.839	200	484	102.6
1957	10967	31158	244	123.1	106.286	233	456	95.5
1958	12223	43381	306	109.4	127.435	290	439	94.8
1959	12627	56008	339	102.0	139.971	321	436	94.7
1960	12910	68918	361	98.0	149.3	345	433	95.6
1961	11644	80562	366	87.2	144.9	342	424	93.4
1962	10194	90756	380	73.5	139	344	404	90.5
1963	9307	100063	383	66.6	148	363	408	94.8
1964	11370	111433	383	81.3	143	359	398	93.7
1965	10402	121835	383	74.4	139	371	375	96.9
1966	10602	132437	400	72.6	139	382	364	95.5
1967	10783	143220	409	72.2	140	390	359	95.4
1968	11568	154788	420	75.5	142	400	355	95.2
1969	11535	166323	445	71.0	131	366	358	82.2
1970	10938	177261	413	72.6	124	388	320	93.9
1971	11461	188722	429	73.2	130	417	312	97.2
1972	12378	201100	451	75.2	131	442	296	98.0
1973	11311	212411	468	66.2	115	442	260	94.4
1974	11712	224123	484	66.3	118	405	291	83.7
1975	10992	235115	491	61.3	117	434	270	88.4
1976	10578	245693	498	58.2	12.8	37	346	7.4
1977	10083	255776	497	55.6	91.4	367	249	73.8
1978	9350	265126	497	51.5	6	16	375	3.2

Aztec Pictured Cliffs Pool

year	Annual Gp (mmcf)	Cumulative (mmcf)	Active wells	per well (mcf/d/well)	Sum of SIWHP x 1000	Tested wells	Ave SIWHP per well	tested/active wells, %
1979	8929	274055	506	48.3	82.5	343	241	67.8
1980	8617	282672	517	45.7	2	7	286	1.4
1981	8090	290762	521	42.5	74.2	290	256	55.7
1982	6051	296813	524	31.6	13.4	49	273	9.4
1983	5482	302295	531	28.3	82	286	287	53.9
1984	6437	308732	538	32.8	12.2	37	330	6.9
1985	6248	314980	531	32.2	37.6	158	238	29.8
1986	3659	318639	533	18.8				0.0
1987	3290	321929	517	17.4				0.0
1988	5076	327005	489	28.4				0.0
1989	4974	331979	474	28.7	0.212	1	212	0.2
1990	4925	336904	463	29.1				0.0
1991	3433	340337	406	23.2	0.247	1	247	0.2

Ballard Pictured Cliffs Pool

year	Annual Gp (mmcf)	Cumulative (mmcf)	Active wells	per well (mcf/d/well)	Sum of SIWHP x 1000	Tested wells	Ave SIWHP per well	tested/active wells, %
1954	615		36	46.8	23	36 New wells	639	100.0
	615		36	46.8	7.7	14 deliver	550	38.9
	615		36	46.8	30.7	50 total	614	138.9
1955	4962	5577	80	169.9	32.2	59 New wells	546	73.8
	4962	5577	80	169.9	11.6	11 deliver	1055	13.8
	4962	5577	80	169.9	43.8	70 total	626	87.5
1956	12368	17945	152	222.9	77.5	155	500	102.0
1957	13948	31893	202	189.2	89	194	459	96.0
1958	11656	43549	299	106.8	81.5	199	410	66.6
1959	16846	60395	384	120.2	149.2	376	397	97.9
1960	16038	76433	408	107.7	144.9	381	380	93.4
1961	12538	88971	420	81.8	142.3	390	365	92.9
1962	12019	100990	428	76.9	144	408	353	95.3
1963	9747	110737	437	61.1	146	416	351	95.2
1964	10632	121369	450	64.7	152	435	349	96.7
1965	11803	133172	446	72.5	149.9	461	325	103.4
1966	10690	143862	466	62.8	144	445	324	95.5
1967	11042	154904	478	63.3	143	450	318	94.1
1968	13591	168495	479	77.7	134	436	307	91.0
1969	12498	180993	507	67.5	100	346	289	68.2
1970	12062	193055	512	64.5	123	455	270	88.9
1971	12448	205503	515	66.2	122	474	257	92.0
1972	12611	218114	520	66.4	114	486	235	93.5
1973	11712	229826	556	57.7	90.5	387	234	69.6
1974	12307	242133	568	59.4	92	398	231	70.1
1975	11191	253324	573	53.5	90.5	423	214	73.8
1976	10526	263850	589	49.0	12.6	45	280	7.6
1977	10270	274120	606	46.4	64.4	313	206	51.7
1978	9407	283527	618	41.7	16	42	381	6.8
1979	8765	292292	629	38.2	55	258	213	41.0
1980	7567	299859	631	32.9	2.2	7	314	1.1
1981	8347	308206	672	34.0	50.8	204	249	30.4
1982	7353	315559	685	29.4	30.7	81	379	11.8

Ballard Pictured Cliffs Pool

year	Annual Gp (mmcf)	Cumulative (mmcf)	Active wells	per well (mcf/well)	Sum of SIWHP x 1000	Tested wells	Ave SIWHP per well	tested/active wells, %
1983	6413	321972	696	25.2	69	264	261	37.9
1984	7675	329647	697	30.2	17.7	64	277	9.2
1985	6891	336538	710	26.6	34.7	172	202	24.2
1986	2598	339136	665	10.7				
1987	3319	342455	675	13.5				
1988	5706	348161	584	26.8	0.239	1	239	0.2
1989	4671	352832	616	20.8	0.22	1	220	0.2
1990	4278	357110	594	19.7				
1991	3410	360520	504	18.5				

Blanco Pictured Cliffs Pool

year	Annual Gp (mmcf)	Cumulative (mmcf)	Active wells	per well (mcf/d/well)	Sum of SIWHP x 1000	Tested wells	Ave SIWHP per well	tested/active wells, %
1954	17.5	17.5	1	47.9	0.5	1	New Well	100.0
1955	28.9	46.4	1	79.2	0.8	1		100.0
1956	41.4	87.8	1	113.4	0.9	1		100.0
1957	112.1	199.9	2	153.6	1.6	2		100.0
1958	738.2	938.1	13	155.6	10.4	14		107.7
1959	2035	2973.1	25	223.0	16.8	26		104.0
1960	3376	6349.1	37	250.0	24.2	38		102.7
1961	3770	10119.1	40	258.2	22.8	36		90.0
1962	5788	15907.1	52	305.0	30.7	48		92.3
1963	6003	21910.1	56	293.7	24.5	52		92.9
1964	4890	26800.1	56	239.2	25.1	44		78.6
1965	4961	31761.1	56	242.7	31.4	56		100.0
1966	4372	36133.1	57	210.1	30.1	57		100.0
1967	4668	40801.1	72	177.6	36.9	70		97.2
1968	9247	50048.1	132	191.9	75.6	129		97.7
1969	13266	63314.1	160	227.2	66.5	131		81.9
1970	15074	78388.1	234	176.5	96.0	209		89.3
1971	15700	94088.1	261	164.8	92.7	224		85.8
1972	16783	110871.1	296	155.3	124.7	290		98.0
1973	20913	131784.1	391	146.5	176.5	376		96.2
1974	22006	153790.1	414	145.6	164.6	403		97.3
1975	23494	177284.1	438	147.0	177.8	432		98.6
1976	28037	205321.1	456	168.5	177.1	451		98.9
1977	28253	233574.1	491	157.6	10.9	21		4.3
1978	32024	265598.1	548	160.1	213.0	511		93.2
1979	38819	304417.1	643	165.4	30.2	57		8.9
1980	25330	329747.1	678	102.4	162.9	441		65.0
1981	30017	359764.1	707	116.3	66.2	135		19.1
1982	20913	380677.1	714	80.2	246.7	624		87.4
1983	17349	398026.1	722	65.8	29.9	61		8.4
1984	21534	419560.1	721	81.8	249.1	619		85.9
1985	21351	440911.1	728	80.4	18.4	35		4.8
1986	11573	452484.1	745	42.6	0.8	2		0.3

Blanco Pictured Cliffs Pool

year	Annual Gp (mmcf)	Cumulative (mmcf)	Active wells	per well (mcf/d/well)	Sum of SIWHP x 1000	SIWHP Tested wells	Ave SIWHP per well	tested/active wells, %
1987	12796	465280.1	733	47.8	0.7	2	335	0.3
1988	17763	483043.1	734	66.3				
1989	19312	502355.1	725	73.0	0.2	1	234	0.1
1990	17692	520047.1	722	67.1				
1991	12290	532337.1	671	50.2				

Blanco, South Pictured Cliffs

year	Annual Gp (mmcf)	Cumulative (mmcf)	Active wells	per well (mcf/well)	Sum of SIWHP x 1000	Tested wells	Ave SIWHP per well	tested/active wells, %
1952	1269	1269	29	119.9	24.4	29 New wells	841	100.0
1953	5624	6893	106	145.4	51.3	60 New wells	855	56.6
	5624	6893	106	145.4	59.1	82 Deliv	721	77.4
	5624	6893	106	145.4	110.4	142 Total	777	134.0
	8615	15508	159	148.4	26.6	30 New wells	887	18.9
1954	8615	15508	159	148.4	91	147 Deliv	619	92.5
	8615	15508	159	148.4	117.6	177 Total	664	111.3
	11866	27374	227	143.2	78.2	86 New wells	909	37.9
	11866	27374	227	143.2	128.3	200 Deliv	642	88.1
1955	11866	27374	227	143.2	206.5	286 Total	722	126.0
	10918	38292	286	104.6	163.5	273	599	95.5
	27352	65644	553	135.5	324.2	500	648	90.4
	44247	109891	762	159.1	407.4	669	609	87.8
1958	47481	157372	869	149.7	441.3	822	537	94.6
1959	43307	200679	939	126.4	467.9	908	515	96.7
1960	40396	241075	968	114.3	449.1	890	505	91.9
1961	36590	277665	1033	97.0	463	975	475	94.4
1962	35923	313588	1089	90.4	504	1058	476	97.2
1963	40433	354021	1122	98.7	502	1086	462	96.8
1964	42162	396183	1151	100.4	482	1119	431	97.2
1965	37771	433954	1180	87.7	468	1134	413	96.1
1966	35531	469485	1195	81.5	457	1130	404	94.6
1967	37832	507317	1204	86.1	427	1100	388	91.4
1968	33586	540903	1223	75.2	349	953	366	77.9
1969	32798	573701	1237	72.6	400	1148	348	92.8
1970	33538	607239	1242	74.0	376	1163	323	93.6
1971	33483	640722	1266	72.5	364	1202	303	94.9
1972	33229	673951	1318	69.1	339	1120	303	85.0
1973	34506	708457	1375	68.8	353	1166	303	84.8
1974	32169	740626	1423	61.9	371	1209	307	85.0
1975	30867	771493	1455	58.1	310.1	1083	286	74.4
1976	29945	801438	1505	54.5	53.55	127	422	8.4
1977	26989	828427	1524	48.5	318.1	1078	295	70.7

Blanco, South Pictured Cliffs

year	Annual Gp (mmcf)	Cumulative (mmcf)	Active wells	per well (mcf/d/well)	Sum of SIWHP x 1000	Tested wells	Ave SIWHP per well	tested/active wells, %
1979	26931	855358	1560	47.3	58.3	134	435	8.6
1980	24787	880145	1585	42.8	274.7	928	296	58.5
1981	23685	903830	1618	40.1	58	143	406	8.8
1982	18962	922792	1637	31.7	275.6	900	306	55.0
1983	17601	940393	1650	29.2	92	254	362	15.4
1984	18234	958627	1669	29.9	442.2	1477	299	88.5
1985	18535	977162	1668	30.4	417.6	1425	293	85.4
1986	7864	985026	1587	13.6	27.7	82	338	5.2
1987	9416	994442	1628	15.8	11.4	32	356	2.0
1988	14614	1009056	1428	28.0	399.8	1266	316	88.7
1989	15355	1024411	1541	27.3	43.5	125	348	8.1
1990	14356	1038767	1473	26.7	307.2	964	319	65.4
1991	12001	1050768	1373	23.9	28.4	99	287	7.2

Fulcher, PicturedCliffs Pool

year	Annual Gp (mmcf)	Cumulative (mmcf)	Active wells	per well (mcf/d/well)	Sum of SIWHP x 1000	Tested wells	Ave SIWHP per well	tested/active wells, %
1952	6491	58713	193	92.1	14.4	27 New wells	533	14.0
1953	7166	65204	245	80.1	37.7	77 New wells	490	31.4
	7166	72370	245	80.1	83.6	208 deliver	402	84.9
	7166	72370	245	80.1	121.3	285 total	426	116.3
1954	7881	80251	251	86	7.9	15 New wells	527	6.0
	7881	80251	251	86	86.5	246 deliver	352	98.0
	7881	80251	251	86.0	94.4	261 total	362	104.0
1955	7101	87352	281	69.2	17.3	32 New wells	541	11.4
	7101	87352	282	69.2	65.2	176 deliver	370	62.4
	7101	87352	281	69.2	82.5	208 total	397	74.0
1956	7412	94764	309	65.7	109.2	302	362	97.7
1957	7184	101948	306	64.3	94.85	269	353	87.9
1958	6213	108161	322	52.9	94.35	277	341	86.0
1959	5528	113689	320	47.3	93.25	277	337	86.6
1960	4766	118455	324	40.3	84.6	258	328	79.6
1961	4829	123284	325	40.7	76.9	233	330	71.7
1962	4209	127493	325	35.5	77.2	242	319	74.5
1963	3782	131275	319	32.5	80	255	314	79.9
1964	4374	135649	317	37.8	85	276	308	87.1
1965	4290	139939	317	37.1	83	276	301	87.1
1966	4160	144099	315	36.2	84	274	307	87.0
1967	4704	148803	315	40.9	79	266	297	84.4
1968	5736	154539	279	56.3	79	264	299	94.6
1969	6309	160848	285	60.6	60	209	287	73.3
1970	6766	167614	286	64.8	76	268	284	93.7
1971	8534	176148	291	80.3	75	276	272	94.8
1972	9017	185165	293	84.3	72	277	260	94.5
1973	9346	194511	304	84.2	55.2	216	256	71.1
1974	10732	205243	301	97.7	55	225	244	74.8
1975	10457	215700	291	98.5	51.8	237	219	81.4
1976	10631	226331	289	100.8	9.6	44	218	15.2
1977	10739	237070	308	95.5	46.4	231	201	75.0

Fulcher, Pictured Cliffs Pool

year	Annual Gp (mmcf)	Cumulative (mmcf)	Active wells	per well (mcf/d/well)	Sum of SIWHP x 1000	Tested wells	Ave SIWHP per well	tested/active wells, %
1978	9496	246566	300	86.7	6.5	30	217	10.0
1979	9053	255619	317	78.2	41.8	223	187	70.3
1980	8155	263774	314	71.2	1.64	8	205	2.5
1981	7608	271382	327	63.7	41.6	204	204	62.4
1982	5065	276447	335	41.4	9.55	41	233	12.2
1983	4227	280674	343	33.8	40	175	229	51.0
1984	5453	286127	339	44.1	6.73	28	240	8.3
1985	5645	291772	324	47.7	15.1	73	207	22.5
1986	4298	296070	329	35.8				
1987	4996	301066	319	42.9				
1988	4505	305571	270	45.7				
1989	4205	309776	257	44.8				
1990	5009	314785	245	56.0				
1991	3637	318422	193	51.6				

Tapacito Pictured Cliffs Pool

year	Annual Gp (mmcf)	Cumulative (mmcf)	Active wells	per well (mcf/d/well)	Sum of SIWHP x 1000	Tested wells	11 New Wells	Ave SIWHP per well	tested/active wells, %
1955	0	0	0	0	11.6	11	1054		
1956	2896	2896	19	417.6	11.4	12	947		63.2
1957	7559	10455	44	470.7	4.4	5	881		11.4
1958	11512	21967	75	420.5	54.2	70	775		93.3
1959	12898	34865	100	353.4	70.0	94	744		94.0
1960	11544	46409	106	298.4	72.8	105	694		99.1
1961	9447	55856	112	231.1	66.9	100	669		89.3
1962	6997	62853	132	145.2	79.5	123	646		93.2
1963	8087	70940	151	146.7	94.0	141	667		93.4
1964	13154	84094	172	209.5	105.7	163	649		94.8
1965	13167	97261	179	201.5	105.4	177	596		98.9
1966	10697	107958	181	161.9	97.8	175	559		96.7
1967	9838	117796	185	145.7	95.7	179	535		96.8
1968	9175	126971	187	134.4	89.6	175	512		93.6
1969	7680	134651	190	110.7	68.8	143	481		75.3
1970	8029	142680	191	115.2	82.6	180	459		94.2
1971	8478	151158	194	119.7	78.0	182	429		93.8
1972	8209	159367	197	114.2	75.5	191	395		97.0
1973	8000	167367	213	102.9	75.1	191	393		89.7
1974	8093	175460	217	102.2	73.3	203	361		93.5
1975	9259	184719	265	95.7	101.4	247	410		93.2
1976	8288	193007	272	83.5	91.0	237	384		87.1
1977	8019	201026	290	75.8	41.4	75	551		25.9
1978	6375	207401	308	56.7	105.8	260	407		84.4
1979	7304	214705	315	63.5	22.0	41	537		13.0
1980	6209	220914	318	53.5	88.4	232	381		73.0
1981	5055	225969	326	42.5	7.6	16	473		4.9
1982	4224	230193	327	35.4	86.8	204	425		62.4
1983	2739	232932	322	23.3	42.2	113	373		35.1
1984	3070	236002	322	26.1	118.5	279	425		86.6
1985	2527	238529	323	21.4	18.5	55	336		17.0
1986	1507	240036	298	13.9	126.1	259	487		86.9
1987	2053	242089	294	19.1	6.7	16	417		5.4

Tapacito Pictured Cliffs Pool

year	Annual Gp (mmcf)	Cumulative (mmcf)	Active wells	per well (mcf/well)	Sum of SIWHP x 1000	Tested wells	Ave SIWHP per well	tested/active wells, %
1988	2833	244922	255	30.4	1.8	4	438	1.6
1989	3168	248090	286	30.3	115.4	250	462	87.4
1990	2995	251085	260	31.6	5.6	15	372	5.8
1991	2562	253647	265	26.5	115.0	241	477	90.9

West Kutz, Pictured Cliffs Pool

year	Annual Gp (mmcf)	Cumulative (mmcf)	Active wells	per well (mcf/d/well)	Sum of SIWHP x 1000	Tested wells	Ave SIWHP per well	tested/active wells, %
1952	7038	1410	107	180.2	29	65 New wells	446	60.7
1953	9884	8448	139	194.8	18.1	41 New wells	441	29.5
	9884	18332	139	194.8	38.7	100 deliver	387	71.9
	9884	18332	139	194.8	56.8	141 total	403	101.4
1954	11118	29450	158	192.8	8.7	20 New wells	435	12.7
	11118	29450	158	192.8	52	145 deliver	359	91.8
	11118	29450	158	192.8	60.7	165 total	368	104.4
1955	7948	37398	166	131.2	4.63	10 New wells	463	6.0
	7948	37398	166	131.2	52.37	146 deliver	359	88.0
	7948	37398	166	131.2	57	156 total	365	94.0
1956	6986	44384	181	105.7	59.2	178	333	98.3
1957	8221	52605	190	118.5	51.85	165	314	86.8
1958	5566	58171	211	72.3	51	169	302	80.1
1959	5107	63278	216	64.8	49.2	172	286	79.6
1960	4610	67888	219	57.7	46.7	174	268	79.5
1961	3154	71042	213	40.6	39.35	147	268	69.0
1962	3325	74367	211	43.2	43	161	267	76.3
1963	3087	77454	209	40.5	44	164	268	78.5
1964	3738	81192	205	50.0	44	173	254	84.4
1965	2951	84143	204	39.6	44	175	251	85.8
1966	2984	87127	202	40.5	43	174	247	86.1
1967	2720	89847	198	37.6	42	170	247	85.9
1968	3542	93389	183	53.0	40	165	242	90.2
1969	3700	97089	181	56.0	30.3	129	235	71.3
1970	3177	100266	182	47.8	37.1	164	226	90.1
1971	3433	103699	165	57.0	35.5	159	223	96.4
1972	3470	107169	165	57.6	33.2	151	220	91.5
1973	3239	110408	169	52.5	26.4	123	215	72.8
1974	3621	114029	173	57.3	25.7	122	211	70.5
1975	3810	117839	170	61.4	24.6	125	197	73.5
1976	3897	121736	172	62.1	1.89	9	210	5.2
1977	3729	125465	179	57.1	21.3	108	197	60.3

West Kutz, Pictured Cliffs Pool

year	Annual Gp (mmcf)	Cumulative (mmcf)	Active wells	per well (mcf/well)	Sum of SIWHP x 1000	Tested wells	Ave SIWHP per well	tested/active wells, %
1978	3836	129301	178	59.0	1.95	9	217	5.1
1979	3403	132704	180	51.8	19.8	103	192	57.2
1980	3732	136436	202	50.6	0.396	2	198	1.0
1981	5118	141554	218	64.3	21.5	99	217	45.4
1982	5075	146629	228	61.0	13.45	53	254	23.2
1983	4853	151482	253	52.6	34.9	142	246	56.1
1984	6574	158056	255	70.6	11.3	39	290	15.3
1985	7561	165617	256	80.9	9.6	38	253	14.8
1986	6216	171833	246	69.2				
1987	2762	174595	249	30.4				
1988	4973	179568	209	65.2				
1989	5681	185249	219	71.1	0.61	3	203	1.4
1990	5760	191009	206	76.6				
1991	3902	194911	187	57.2				