

February 24, 2025

Dawn N.S. Chang
Department of Land and Natural Resources
Kalanimoku Building
1151 Punchbowl St.
Honolulu, HI 96813

SUBJECT: PRODUCTION AND INJECTION REPORTS – JANUARY 2025

Dear Ms. Chang:

Pursuant to DLNR Regulation 18-183-86, Puna Geothermal Venture hereby submits the required production and injection reports for January 2025.

Should you or your staff have any questions, please contact me at (808) 430-8679.

Sincerely,



Ronald P. Quesada
EH&S Manager

Attachment: 2025 January Production and Injection Reports

cc: PGV File

PUNA GEOTHERMAL VENTURE

COMBINED PRODUCTION DATA

DATE	STEAM FLOW (K LB)	BRINE FLOW(K LB)	TOTAL MASS(K LB)	% BRINE	%STEAM	AVG STEAM FLOW	AVG BRINE FLOW (K LB/HR)	AVG TOTAL MASS FLOW (K LB/HR)	AVG. NETPOWER (MW)			AVG WELLHEAD TEMP (F)	HRS ON PROD
									MAIN PLANT	BTM UNIT	TOTAL		
1/1/2025	9,564	25,729	35,292	72.9	27.1	398	1072	1471	20.8	7.6	28.4	471	24
1/2/2025	9,142	23,617	32,758	72.1	27.9	381	984	1365	19.7	7.3	27.0	469	24
1/3/2025	9,329	23,397	32,726	71.5	28.5	389	975	1364	20.2	7.2	27.3	467	24
1/4/2025	10,463	24,380	34,843	70.0	30.0	436	1016	1452	23.0	7.3	30.2	468	24
1/5/2025	9,583	29,068	38,652	75.2	24.8	399	1211	1610	20.8	7.6	28.5	463	24
1/6/2025	11,508	26,805	38,313	70.0	30.0	479	1117	1596	25.6	7.5	33.1	462	24
1/7/2025	11,383	26,620	38,003	70.0	30.0	474	1109	1583	25.3	7.5	32.7	461	24
1/8/2025	11,452	26,583	38,036	69.9	30.1	477	1108	1585	25.4	7.5	32.9	456	24
1/9/2025	11,945	26,402	38,346	68.9	31.1	498	1100	1598	26.6	7.7	34.4	456	24
1/10/2025	11,948	25,719	37,667	68.3	31.7	498	1072	1569	26.7	7.7	34.4	456	24
1/11/2025	11,984	25,261	37,245	67.8	32.2	499	1053	1552	26.7	7.8	34.5	458	24
1/12/2025	11,911	25,086	36,997	67.8	32.2	496	1045	1542	26.6	6.5	33.0	458	24
1/13/2025	11,773	24,768	36,541	67.8	32.2	491	1032	1523	26.2	6.7	32.9	458	24
1/14/2025	11,800	24,563	36,363	67.6	32.4	492	1023	1515	26.3	7.5	33.8	456	24
1/15/2025	11,670	24,592	36,262	67.8	32.2	486	1025	1511	26.0	7.3	33.3	458	24
1/16/2025	11,258	24,907	36,165	68.9	31.1	469	1038	1507	24.9	7.4	32.3	468	24
1/17/2025	10,779	24,983	35,762	69.9	30.1	449	1041	1490	23.8	7.3	31.0	460	24
1/18/2025	10,401	24,889	35,289	70.5	29.5	433	1037	1470	22.8	7.4	30.3	464	24
1/19/2025	10,463	25,308	35,771	70.7	29.3	436	1054	1490	23.0	7.7	30.7	463	24
1/20/2025	10,725	24,413	35,138	69.5	30.5	447	1017	1464	23.6	7.6	31.3	463	24
1/21/2025	10,590	24,691	35,281	70.0	30.0	441	1029	1470	23.3	7.7	30.9	464	24
1/22/2025	10,678	25,539	36,217	70.5	29.5	445	1064	1509	23.5	7.5	31.0	460	24
1/23/2025	10,065	24,123	34,188	70.6	29.4	419	1005	1424	22.0	7.2	29.2	468	24
1/24/2025	10,065	24,123	34,188	70.6	29.4	419	1005	1424	22.3	7.3	29.6	463	24
1/25/2025	10,178	24,865	35,044	71.0	29.0	424	1036	1460	23.0	7.6	30.6	463	24
1/26/2025	10,477	25,218	35,695	70.6	29.4	437	1051	1487	23.2	7.5	30.6	463	24
1/27/2025	10,531	24,889	35,420	70.3	29.7	439	1037	1476	22.8	7.5	30.3	467	24
1/28/2025	10,387	24,606	34,994	70.3	29.7	433	1025	1458	23.1	7.6	30.7	466	24
1/29/2025	10,509	24,970	35,479	70.4	29.6	438	1040	1478	23.1	7.2	30.4	471	24
1/30/2025	10,529	24,738	35,267	70.1	29.9	439	1031	1469	17.9	5.7	23.6	473	24
1/31/2025	8,410	20,808	29,217	71.2	28.8	350	867	1217	20.8	6.7	27.5	462	24
Mo. Totals/Avg	331,498	775,660	1,107,159	70.1	29.9	446	1,043	1488	23.5	7.3	30.8	463	24

PUNA GEOTHERMAL VENTURE

PRODUCTION WELL DATA

DATE	KS-10		KS-14		KS-17		KS-18		KS-19		KS-22	
	AVG WHP (PSIG)	AVG WHT (F)	AVG WHP (PSIG)	AVG WHT(F)	AVG WHP (PSIG)	AVG WHT (F)	AVG WHP (PSIG)	AVG WHT(F)	AVG WHP (PSIG)	AVG WHT(F)	AVG WHP (PSIG)	AVGWHT (F)
1/1/2025			0	70	552	473	548	472	494	469	488	470
1/2/2025			0	70	554	466	548	473	500	470	485	469
1/3/2025			0	70	553	466	549	474	466	463	479	468
1/4/2025			0	70	556	475	568	478	449	459	456	462
1/5/2025			0	69	455	454	570	480	449	459	451	461
1/6/2025			0	70	444	452	570	479	444	458	450	459
1/7/2025			0	70	414	445	570	480	448	459	449	460
1/8/2025			0	70	377	437	567	476	450	456	448	458
1/9/2025			0	70	373	436	559	475	454	457	449	458
1/10/2025			0	70	367	434	561	477	463	457	449	458
1/11/2025			0	70	364	432	549	476	466	462	451	461
1/12/2025			0	70	365	433	555	472	473	465	451	461
1/13/2025			0	70	356	431	554	473	480	466	451	461
1/14/2025			0	70	351	429	545	466	491	468	452	461
1/15/2025			0	70	346	428	543	468	532	477	451	461
1/16/2025			0	70	342	428	543	501	563	477	494	466
1/17/2025			0	70	340	423	524	469	632	488	450	461
1/18/2025			0	70	337	425	512	465	698	506	450	461
1/19/2025			0	70	336	425	505	466	660	500	451	461
1/20/2025			0	70	336	424	529	468	650	498	453	462
1/21/2025			0	70	339	426	528	467	659	500	455	462
1/22/2025			0	70	408	444	548	474	447	458	458	463
1/23/2025			0	70	388	436	535	470	665	508	457	459
1/24/2025			0	70	358	430	528	462	654	499	456	463
1/25/2025			0	70	356	430	533	465	666	496	460	462
1/26/2025			0	70	354	430	548	467	662	492	462	462
1/27/2025			0	70	347	429	541	472	677	502	465	464
1/28/2025			0	70	354	430	538	469	667	501	463	464
1/29/2025			0	70	446	452	547	472	618	498	465	464
1/30/2025			0	70	477	459	524	469	657	499	461	464
1/30/2025			0	70	450	453	512	465	489	467	463	464
Monthly Average			0	70	400	440	543	472	552	478	459	462

PUNA GEOTHERMAL VENTURE

COMB INED INJECTION WELL DATA QUANTITIESOF FLUID INJECTED

DATE	GEOFLUID KLB	WE LL WATER KLB	RAW WATER KLB	TOTAL INJE CTION		INJECTION		(R)22 GAL	R322 GAL	203 GAL	WPA-GG GAL	G442 GAL	B io - sperse GAL	NaOH GAL	Royal Purple GAL	98% Acid GAL
				KLB	GAL	KPH	GPM									
1/1/2025	35,292	0	0	35,292	4,362,028	25729	3,029	0	0	0	30	25	1	0	0	14
1/2/2025	32,758	0	0	32,758	4,048,840	23617	2,812	0	0	0	20	15	1	0	0	17
1/3/2025	32,726	0	0	32,726	4,044,845	23397	2,809	0	0	0	10	18	1	0	0	13
1/4/2025	34,843	0	0	34,843	4,306,512	24380	2,991	0	0	0	10	18	1	0	0	13
1/5/2025	38,652	0	0	38,652	4,777,229	29068	3,318	0	0	0	10	18	1	0	0	13
1/6/2025	38,313	0	0	38,313	4,735,391	26805	3,288	0	0	0	25	14	0	0	0	17
1/7/2025	38,003	0	0	38,003	4,697,063	26620	3,262	0	0	0	15	18	0	0	0	10
1/8/2025	38,036	0	0	38,036	4,701,077	26583	3,265	0	0	0	20	12	0	0	0	21
1/9/2025	38,346	0	0	38,346	4,739,490	26402	3,291	0	0	0	20	14	0	0	0	16
1/10/2025	37,667	0	0	37,667	4,655,570	25719	3,233	0	0	0	20	15	0	0	0	15
1/11/2025	37,245	0	0	37,245	4,603,310	25261	3,197	0	0	0	15	15	0	0	0	15
1/12/2025	36,997	0	0	36,997	4,572,670	25086	3,175	0	0	0	25	15	0	0	0	15
1/13/2025	36,541	0	0	36,541	4,516,290	24768	3,136	0	0	0	30	14	0	0	0	16
1/14/2025	36,363	0	0	36,363	4,494,345	24563	3,121	0	0	0	10	16	2	0	0	15
1/15/2025	36,262	0	0	36,262	4,481,857	24592	3,112	0	0	0	20	14	0	0	0	16
1/16/2025	36,165	0	0	36,165	4,469,858	24907	3,104	0	0	0	20	15	2	0	0	15
1/17/2025	35,762	0	0	35,762	4,420,030	24983	3,069	0	0	0	30	16	1	0	0	15
1/18/2025	35,289	0	0	35,289	4,361,652	24889	3,029	0	0	0	20	15	0	0	0	15
1/19/2025	35,771	0	0	35,771	4,421,202	25308	3,070	0	0	0	20	12	1	0	0	16
1/20/2025	35,138	0	0	35,138	4,342,932	24413	3,016	0	0	0	25	16	0	0	0	16
1/21/2025	35,281	0	0	35,281	4,360,618	24691	3,028	0	0	0	25	14	1	0	0	16
1/22/2025	36,217	0	0	36,217	4,476,279	25539	3,109	0	0	0	10	16	0	0	0	20
1/23/2025	34,188	0	0	34,188	4,225,508	24123	2,934	0	0	0	20	12	1	0	0	17
1/24/2025	34,188	0	0	34,188	4,331,268	24123	3,008	0	0	0	25	15	0	0	0	18
1/25/2025	35,044	0	0	35,044	4,411,726	24865	3,064	0	0	0	20	15	0	0	0	18
1/26/2025	35,695	0	0	35,695	4,377,792	25218	3,040	0	0	0	30	15	0	0	0	17
1/27/2025	35,420	0	0	35,420	4,325,110	24889	3,004	0	0	0	15	15	4	0	0	18
1/28/2025	34,994	0	0	34,994	4,385,102	24606	3,045	0	0	0	20	15	0	0	0	18
1/29/2025	35,479	0	0	35,479	4,358,937	24970	3,027	0	0	0	30	15	2	0	0	18
1/30/2025	35,267	0	0	35,267	3,611,165	24738	2,508	0	0	0	20	14	0	0	0	13
1/31/2025	29,217	0	0	29,217	4,226,904	20808	2,935	0	0	0	15	14	0	0	0	14
Total	1,107,159	0	0	1,107,159	136,842,600	775,660	95,030	0	0	0	625	475	19	0	0	490
Minimum	29,217	0	0	29,217	3,611,165	20,808	2,508	0	0	0	10	12	0	0	0	10
Average	35,715	0	0	35,71 5	4,414,277	25,021	3,065	0	0	0	20	15	1	0	0	16
Maximum	38,652	0	0	38,652	4,777,229	29,068	3,318	0	0	0	30	25	4	0	0	21

PUNA GEOTHERMAL VENTURE

KS-3 INJECTION WELL DATA QUANTITIES OF FLUID INJECTED

DATE	HRS ON INJ.	GEO- FLUID (KLB)	SUPPLY Water (KLB)	TOTAL		AVERAGE INJ. RATE		WELLHEAD PRESS. (PSIG)		AVERAGE ANNULUS N2 PRESS (PSIG)	AVERAGE INJ TEMP (DEG F)
				KBL	GAL	KPH	GPM	AVG	MAX		
1/1/2025	0	0	0	0	0	0	0	363	365	465	68
1/2/2025	0	0	0	0	0	0	0	368	370	465	73
1/3/2025	0	0	0	0	0	0	0	368	370	443	68
1/4/2025	0	0	0	0	0	0	0	370	370	398	75
1/5/2025	0	0	0	0	0	0	0	370	370	383	66
1/6/2025	0	0	0	0	0	0	0	373	375	360	75
1/7/2025	0	0	0	0	0	0	0	371	372	353	74
1/8/2025	0	0	0	0	0	0	0	375	375	315	79
1/9/2025	0	0	0	0	0	0	0	373	375	293	77
1/10/2025	0	0	0	0	0	0	0	375	375	270	75
1/11/2025	0	0	0	0	0	0	0	378	380	210	74
1/12/2025	0	0	0	0	0	0	0	378	378	128	73
1/13/2025	0	0	0	0	0	0	0	379	379	90	65
1/14/2025	0	0	0	0	0	0	0	375	380	60	73
1/15/2025	0	0	0	0	0	0	0	375	380	53	76
1/16/2025	0	0	0	0	0	0	0	375	380	45	76
1/17/2025	0	0	0	0	0	0	0	375	380	23	84
1/18/2025	0	0	0	0	0	0	0	375	380	23	74
1/19/2025	0	0	0	0	0	0	0	378	380	23	75
1/20/2025	0	0	0	0	0	0	0	380	380	15	74
1/21/2025	0	0	0	0	0	0	0	380	380	0	74
1/22/2025	0	0	0	0	0	0	0	375	380	0	74
1/23/2025	0	0	0	0	0	0	0	380	380	0	82
1/24/2025	0	0	0	0	0	0	0	378	380	0	79
1/25/2025	0	0	0	0	0	0	0	378	380	0	79
1/26/2025	0	0	0	0	0	0	0	378	380	0	78
1/27/2025	0	0	0	0	0	0	0	375	380	0	78
1/28/2025	0	0	0	0	0	0	0	375	380	0	62
1/29/2025	0	0	0	0	0	0	0	380	380	0	66
1/30/2025	0	0	0	0	0	0	0	380	380	0	77
1/31/2025	0	0	0	0	0	0	0	378	380	0	76
Total	0	0	0	0	0						
Minimum	0	0	0	0	0	0	0	363	365	0	62
Average	0	0	0	0	0	0	0	375	377	142	74
Maximum	0	0	0	0	0	0	0	380	380	465	84

KS-11 INJECTION WELL DATA

QUANTITIES OF FLUID INJECTED

[illegible]

PUNA GEOTHERMAL VENTURE

KS-13 INJECTION WELL DATA QUANTITIES OF FLUID INJECTED

DATE	HRS ON INJ.	GEO- FLUID (KLB)	SUPPLY Water (KLB)	TOTAL		AVERAGE INJ. RATE		WELLHEAD PRESS. (PSIG)		AVERAGE ANNULUS N2 PRESS (PSIG)	AVERAGE INJ TEMP (DEGF)
				KBL	GAL	KPH	GPM	AVG	MAX		
1/1/2025	24	1711	0	1711	211528	68	147	177	218	968	183
1/2/2025	24	1803	0	1803	222906	72	155	138	140	953	179
1/3/2025	24	1816	0	1816	224505	72	156	145	150	945	178
1/4/2025	24	1793	0	1793	221666	71	154	173	180	878	175
1/5/2025	24	1793	0	1793	221578	71	154	235	240	1260	185
1/6/2025	24	1770	0	1770	218815	70	152	243	244	1230	185
1/7/2025	24	1772	0	1772	218971	70	152	250	250	1193	185
1/8/2025	24	1753	0	1753	216690	70	150	261	272	1170	186
1/9/2025	24	1835	0	1835	226851	73	158	258	265	1148	184
1/10/2025	24	1814	0	1814	224180	72	156	260	270	1103	184
1/11/2025	24	1804	0	1804	222962	72	155	243	245	1043	180
1/12/2025	24	1801	0	1801	222607	72	155	230	230	1005	180
1/13/2025	24	1804	0	1804	223012	72	155	218	220	1238	178
1/14/2025	24	1782	0	1782	220234	71	153	230	230	1208	179
1/15/2025	24	1782	0	1782	220199	71	153	231	231	1170	181
1/16/2025	24	1787	0	1787	220889	71	153	233	235	1140	180
1/17/2025	24	1770	0	1770	218766	70	152	233	240	1095	185
1/18/2025	24	1733	0	1733	214138	69	149	238	240	1065	186
1/19/2025	24	1763	0	1763	217961	70	151	245	250	1043	184
1/20/2025	24	1751	0	1751	216477	70	150	245	250	1005	182
1/21/2025	24	1760	0	1760	217553	70	151	253	255	1260	186
1/22/2025	24	1800	0	1800	222443	72	154	297	298	1245	190
1/23/2025	24	1709	0	1709	211240	68	147	240	240	1170	181
1/24/2025	24	1783	0	1783	220332	71	153	258	260	1155	186
1/25/2025	24	1746	0	1746	215856	69	150	259	260	1110	183
1/26/2025	24	1729	0	1729	213759	69	148	255	255	1088	180
1/27/2025	24	1719	0	1719	212421	68	148	250	250	1050	182
1/28/2025	24	1725	0	1725	213153	69	148	251	252	1020	181
1/29/2025	24	1702	0	1702	210309	68	146	242	248	1133	182
1/30/2025	24	1457	0	1457	180106	58	125	233	235	1200	181
1/31/2025	24	1630	0	1630	201433	65	140	293	300	1178	186
Total	744	54399	0	54399	6723540						
Minimum	24	1457	0	1457	180106	58	125	138	140	878	175
Average	24	1755	0	1755	216888	70	151	236	240	1112	182
Maximum	24	1835	0	1835	226851	73	158	297	300	1260	190

PUNA GEOTHERMAL VENTURE

KS-15 INJECTION WELL DATA QUANTITIES OF FLUID INJECTED

DATE	HRS ON INJ.	GEO- FLUID (KLB)	SUPPLY Water (KLB)	TOTAL		AVERAGE INJ. RATE		WELLHEAD PRESS. (PSIG)		AVERAGE ANNULUS N2 PRESS (PSIG)	AVERAGE INJ TEMP (DEGF)
				KBL	GAL	KPH	GPM	AVG	MAX		
1/1/2025	24	2426	0	2426	299867	96	208	110	190	788	165
1/2/2025	24	2114	0	2114	261343	84	181	81	83	773	168
1/3/2025	24	2177	0	2177	269128	87	187	102	120	773	163
1/4/2025	24	2425	0	2425	299744	96	208	140	140	758	173
1/5/2025	24	2446	0	2446	302347	97	210	218	220	833	243
1/6/2025	24	2226	0	2226	275155	88	191	200	220	818	218
1/7/2025	24	2152	0	2152	265927	85	185	220	220	833	241
1/8/2025	24	2134	0	2134	263698	85	183	170	220	825	270
1/9/2025	24	1049	0	1049	129597	42	90	160	220	713	270
1/10/2025	24	881	0	881	108880	35	76	98	100	630	233
1/11/2025	24	699	0	699	86419	28	60	85	90	570	228
1/12/2025	24	386	0	386	47739	15	33	95	100	600	280
1/13/2025	24	144	0	144	17739	6	12	113	120	653	291
1/14/2025	24	90	0	90	11176	4	8	117	118	638	295
1/15/2025	24	172	0	172	21266	7	15	105	110	623	288
1/16/2025	24	225	0	225	27862	9	19	75	90	615	280
1/17/2025	24	277	0	277	34184	11	24	90	100	608	287
1/18/2025	24	263	0	263	32497	10	23	8	15	503	203
1/19/2025	24	312	0	312	38508	12	27	110	200	690	258
1/20/2025	24	97	0	97	11958	4	8	205	210	810	210
1/21/2025	24	95	0	95	11691	4	8	142	193	750	212
1/22/2025	24	157	0	157	19447	6	14	199	200	803	239
1/23/2025	24	232	0	232	28721	9	20	138	150	818	291
1/24/2025	24	257	0	257	31768	10	22	110	110	743	277
1/25/2025	24	298	0	298	36828	12	26	95	110	780	290
1/26/2025	24	311	0	311	38443	12	27	178	195	810	280
1/27/2025	24	107	0	107	13215	4	9	208	215	825	274
1/28/2025	24	294	0	294	36287	12	25	150	185	788	261
1/29/2025	24	621	0	621	76746	25	53	130	140	810	261
1/30/2025	24	585	0	585	72275	23	50	175	200	788	253
1/31/2025	24	706	0	706	87320	28	61	165	230	810	203
Total	744	26358	0	26358	3257775						
Minimum	24	90	0	90	11176	4	8	8	15	503	163
Average	24	850	0	850	105090	34	73	135	155	735	245
Maximum	24	2446	0	2446	302347	97	210	220	230	833	295

PUNA GEOTHERMAL VENTURE

KS-20 INJECTION WELL DATA QUANTITIES OF FLUID INJECTED

DATE	HRS ON INJ.	GEO- FLUID (KLB)	SUPPLY Water (KLB)	TOTAL		AVERAGE INJ. RATE		WELLHEAD PRESS. (PSIG)		AVERAGE ANNULUS N2 PRESS (PSIG)	AVERAGE INJ TEMP (DEGF)
				KBL	GAL	KPH	GPM	AVG	MAX		
1/1/2025	24	4352	0	4352	537864	173	374	170	170	1163	179
1/2/2025	24	3925	0	3925	485076	156	337	153	153	1163	172
1/3/2025	24	3901	0	3901	482110	155	335	166	166	1163	170
1/4/2025	24	4174	0	4174	515911	166	358	164	166	1155	176
1/5/2025	24	4742	0	4742	586138	188	407	233	238	1193	178
1/6/2025	24	4752	0	4752	587375	189	408	240	245	1200	180
1/7/2025	24	4728	0	4728	584426	188	406	245	245	1200	174
1/8/2025	24	4780	0	4780	590827	190	410	251	260	1215	180
1/9/2025	24	4974	0	4974	614714	198	427	251	260	1208	172
1/10/2025	24	4832	0	4832	597249	192	415	255	255	1208	172
1/11/2025	24	4726	0	4726	584167	188	406	265	265	1185	175
1/12/2025	24	4636	0	4636	573054	184	398	223	225	1185	176
1/13/2025	24	4502	0	4502	556472	179	386	218	222	1178	174
1/14/2025	24	4543	0	4543	561506	181	390	221	221	1185	176
1/15/2025	24	4546	0	4546	561896	181	390	227	229	1185	176
1/16/2025	24	4568	0	4568	564608	182	392	234	240	1193	170
1/17/2025	24	4523	0	4523	559039	180	388	235	235	1193	179
1/18/2025	24	4453	0	4453	550326	177	382	235	240	1193	178
1/19/2025	24	4564	0	4564	564097	181	392	260	260	1200	180
1/20/2025	24	4510	0	4510	557464	179	387	268	268	1193	183
1/21/2025	24	4591	0	4591	567469	182	394	245	250	1200	180
1/22/2025	24	4783	0	4783	591120	190	411	285	285	1230	184
1/23/2025	24	4361	0	4361	538966	173	374	225	225	1185	172
1/24/2025	24	4577	0	4577	565747	182	393	240	250	1200	179
1/25/2025	24	4689	0	4689	579600	186	403	245	250	1200	171
1/26/2025	24	4687	0	4687	579256	186	402	249	250	1200	171
1/27/2025	24	4698	0	4698	580632	187	403	268	268	1140	178
1/28/2025	24	4732	0	4732	584871	188	406	249	250	1200	176
1/29/2025	24	4780	0	4780	590826	190	410	240	240	1193	181
1/30/2025	24	3880	0	3880	479526	154	333	225	227	1170	172
1/31/2025	24	4408	0	4408	544858	175	378	288	295	1178	179
Total	744	140919	0	140919	17417190						
Minimum	24	3880	0	3880	479526	154	333	153	153	1140	170
Average	24	4546	0	4546	561845	181	390	234	237	1189	176
Maximum	24	4974	0	4974	614714	198	427	288	295	1230	184

PUNA GEOTHERMAL VENTURE

KS-21 INJECTION WELL DATA QUANTITIES OF FLUID INJECTED DURING INJECTION TESTING

DATE	HRS ON INJ.	GEO- FLUID (KLB)	SUPPLY Water (KLB)	TOTAL		AVERAGE INJ. RATE		WELLHEAD PRESS. (PSIG)		AVERAGE ANNULUS N2 PRESS (PSIG)	AVERAGE INJ TEMP (DEG F)
				KBL	GAL	KPH	GPM	AVG	MAX		
1/1/2025	24	26803	0	26803	3312769	1065	2301	170	215	1020	188
1/2/2025	24	24916	0	24916	3079515	990	2139	126	126	1013	180
1/3/2025	24	24832	0	24832	3069102	987	2131	141	155	1020	180
1/4/2025	24	26450	0	26450	3269191	1051	2270	168	170	998	180
1/5/2025	24	29670	0	29670	3667166	1179	2547	238	240	1020	181
1/6/2025	24	29564	0	29564	3654046	1175	2538	244	248	1035	185
1/7/2025	24	29351	0	29351	3627739	1166	2519	250	250	1035	183
1/8/2025	24	29369	0	29369	3629862	1167	2521	256	270	1028	175
1/9/2025	24	30489	0	30489	3768328	1212	2617	251	260	960	175
1/10/2025	24	30140	0	30140	3725261	1198	2587	253	255	908	184
1/11/2025	24	30015	0	30015	3709762	1193	2576	250	250	1013	180
1/12/2025	24	30173	0	30173	3729270	1199	2590	230	230	1013	180
1/13/2025	24	30090	0	30090	3719067	1196	2583	220	220	1013	178
1/14/2025	24	29948	0	29948	3701429	9520	20563	230	230	1013	180
1/15/2025	24	29762	0	29762	3678496	1183	2555	234	235	1035	180
1/16/2025	24	29584	0	29584	3656499	1176	2539	243	250	1020	182
1/17/2025	24	29192	0	29192	3608041	1160	2506	240	250	1005	184
1/18/2025	24	28841	0	28841	3564691	1146	2475	239	240	1005	184
1/19/2025	24	29132	0	29132	3600636	1158	2500	248	250	1043	185
1/20/2025	24	28779	0	28779	3557033	1144	2470	245	245	1035	185
1/21/2025	24	28835	0	28835	3563905	1146	2475	253	255	1035	186
1/22/2025	24	29477	0	29477	3643269	1171	2530	290	290	983	190
1/23/2025	24	27886	0	27886	3446581	1108	2393	235	240	968	183
1/24/2025	24	28426	0	28426	3513421	1130	2440	245	245	1050	184
1/25/2025	24	28961	0	28961	3579442	1151	2486	245	250	953	182
1/26/2025	24	28693	0	28693	3546334	1140	2463	250	250	975	182
1/27/2025	24	28470	0	28470	3518842	1131	2444	248	250	1013	180
1/28/2025	24	28729	0	28729	3550791	1142	2466	250	250	1005	183
1/29/2025	24	28165	0	28165	3481056	1119	2417	235	240	1020	185
1/30/2025	24	23296	0	23296	2879258	926	1999	233	235	1058	183
1/31/2025	24	27455	0	27455	3393293	1091	2356	295	300	1028	185
Total	744	885493	0	885493	109444095						
Minimum	24	23296	0	23296	2879258	926	1999	126	126	908	175
Average	24	28564	0	28564	3530455	1404	3032	234	239	1010	182
Maximum	24	30489	0	30489	3768328	9520	20563	295	300	1058	190