

July 23, 2024

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

**SUBJECT: PRODUCTION AND INJECTION REPORTS – JUNE 2024**

Dear Ms. Chang:

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

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

Sincerely,



Ronald P. Quesada  
EH&S Manager

Attachment: 2024 June 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		
6/1/2024	11,641	23,456	35,097	66.8	33.2	485	977	1462	25.9	6.7	32.6	458	24
6/2/2024	11,739	23,619	35,358	66.8	33.2	489	984	1473	26.1	6.3	32.5	455	24
6/3/2024	11,920	25,907	37,826	68.5	31.5	497	1079	1576	26.6	6.5	33.1	458	24
6/4/2024	11,351	24,093	35,444	68.0	32.0	473	1004	1477	25.2	6.1	31.2	466	24
6/5/2024	11,867	24,296	36,163	67.2	32.8	494	1012	1507	26.5	6.4	32.9	454	24
6/6/2024	11,850	23,949	35,799	66.9	33.1	494	998	1492	26.4	6.4	32.8	456	24
6/7/2024	11,849	24,026	35,874	67.0	33.0	494	1001	1495	26.4	6.4	32.8	455	24
6/8/2024	11,747	24,316	36,064	67.4	32.6	489	1013	1503	26.2	6.3	32.5	455	24
6/9/2024	11,739	24,146	35,885	67.3	32.7	489	1006	1495	26.1	6.1	32.2	456	24
6/10/2024	11,830	24,780	36,611	67.7	32.3	493	1033	1525	26.4	6.4	32.8	454	24
6/11/2024	11,722	24,635	36,357	67.8	32.2	488	1026	1515	26.1	6.2	32.3	454	24
6/12/2024	11,778	24,747	36,525	67.8	32.2	491	1031	1522	26.2	6.5	32.7	453	24
6/13/2024	11,747	24,644	36,391	67.7	32.3	489	1027	1516	26.2	6.4	32.5	452	24
6/14/2024	11,739	24,468	36,207	67.6	32.4	489	1019	1509	26.1	6.3	32.4	451	24
6/15/2024	11,663	24,683	36,346	67.9	32.1	486	1028	1514	25.9	6.3	32.3	449	24
6/16/2024	11,216	24,976	36,192	69.0	31.0	467	1041	1508	24.8	6.2	31.0	450	24
6/17/2024	11,682	23,864	35,546	67.1	32.9	487	994	1481	26.0	6.5	32.5	449	24
6/18/2024	11,574	24,572	36,146	68.0	32.0	482	1024	1506	25.7	6.4	32.1	449	24
6/19/2024	11,631	24,613	36,244	67.9	32.1	485	1026	1510	25.9	6.3	32.2	448	24
6/20/2024	11,537	24,600	36,137	68.1	31.9	481	1025	1506	25.6	6.2	31.9	450	24
6/21/2024	11,113	24,920	36,033	69.2	30.8	463	1038	1501	24.6	6.2	30.8	448	24
6/22/2024	11,255	24,704	35,959	68.7	31.3	469	1029	1498	24.9	6.9	31.9	449	24
6/23/2024	11,140	24,653	35,793	68.9	31.1	464	1027	1491	24.7	5.7	30.4	448	24
6/24/2024	11,174	25,522	36,696	69.6	30.4	466	1063	1529	24.7	6.1	30.9	449	24
6/25/2024	11,283	27,639	38,923	71.0	29.0	470	1152	1622	25.0	6.3	31.3	447	24
6/26/2024	11,369	26,063	37,432	69.6	30.4	474	1086	1560	25.2	6.4	31.6	447	24
6/27/2024	11,078	24,246	35,323	68.6	31.4	462	1010	1472	24.5	5.7	30.2	447	24
6/28/2024	11,071	24,911	35,982	69.2	30.8	461	1038	1499	24.5	6.9	31.4	447	24
6/29/2024	11,376	25,436	36,813	69.1	30.9	474	1060	1534	25.2	6.3	31.5	447	24
6/30/2024	11,069	25,193	36,262	69.5	30.5	461	1050	1511	24.5	6.7	31.1	451	24
Mo. Totals/Avg	345,749	741,676	1,087,425	68.2	31.8	480	1,030	1510	25.6	6.3	31.9	452	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)	AVG WHT (F)
6/1/2024			0	73	300	420	543	477	501	467	482	467
6/2/2024			0	74	301	416	546	469	503	469	474	467
6/3/2024			0	74	301	416	578	475	538	476	461	464
6/4/2024			0	78	298	416	608	479	735	509	453	461
6/5/2024			0	78	297	416	583	470	628	471	451	461
6/6/2024			0	77	300	416	542	469	551	479	454	461
6/7/2024			0	76	298	418	556	479	541	470	450	453
6/8/2024			0	76	299	415	546	471	526	474	448	460
6/9/2024			0	76	299	420	535	477	520	469	446	457
6/10/2024			0	76	305	417	533	469	519	473	443	459
6/11/2024			0	77	304	417	529	469	509	471	445	460
6/12/2024			0	77	305	417	529	466	504	470	438	459
6/13/2024			0	76	302	420	501	465	509	467	436	455
6/14/2024			0	74	300	415	485	461	505	470	440	458
6/15/2024			0	74	302	421	473	459	505	462	440	456
6/16/2024			0	74	302	416	466	458	505	469	436	457
6/17/2024			0	74	300	420	448	451	504	466	436	459
6/18/2024			0	73	305	417	436	451	503	470	434	457
6/19/2024			0	73	303	417	431	449	503	470	434	457
6/20/2024			0	73	299	416	423	450	502	470	435	457
6/21/2024			0	80	337	426	423	446	502	470	436	458
6/22/2024			0	76	318	420	421	449	500	469	436	457
6/23/2024			0	76	313	422	422	449	499	467	437	455
6/24/2024			0	77	316	420	428	449	498	469	439	459
6/25/2024			0	76	301	419	423	448	497	467	434	454
6/26/2024			0	76	301	416	422	448	496	469	433	457
6/27/2024			0	73	298	415	419	446	497	469	434	457
6/28/2024			0	70	301	416	418	447	496	468	434	458
6/29/2024			0	70	298	415	413	447	496	469	433	457
6/30/2024			0	70	299	415	411	445	602	487	433	457
<b>Monthly Average</b>			<b>0</b>	<b>75</b>	<b>303</b>	<b>417</b>	<b>483</b>	<b>459</b>	<b>523</b>	<b>471</b>	<b>443</b>	<b>458</b>

**PUNA GEOTHERMAL VENTURE  
COMBINED INJECTION WELL DATA QUANTITIES OF FLUID INJECTED**

DATE	GEOFLLUID KLB	WELL WATER KLB	RAW WATER KLB	TOTAL INJECTION		INJECTION		(R)22 GAL	R322 GAL	203 GAL	Cat-Sulf. GAL	G442 GAL	Bio- sperse GAL	NaOH GAL	Royal Purple GAL	98% Acid GAL
				KLB	GAL	KPH	GPM									
6/11/2024	35,097	0	0	35,097	4,305,988	1462	2,990	0	0	0	0	14	0	0	0	24
6/12/2024	35,358	0	0	35,358	4,337,923	1473	3,012	0	0	0	0	15	0	0	0	24
6/3/2024	37,826	0	0	37,826	4,640,803	1576	3,223	0	0	0	0	15	0	0	0	25
6/4/2024	35,444	0	0	35,444	4,348,546	1477	3,020	0	0	0	0	16	0	0	0	25
6/5/2024	36,163	0	0	36,163	4,436,711	1507	3,081	0	0	0	0	13	0	0	0	21
6/6/2024	35,799	0	0	35,799	4,392,088	1492	3,050	0	0	0	0	14	0	0	0	23
6/7/2024	35,874	0	0	35,874	4,401,330	1495	3,056	0	0	0	0	15	0	0	0	25
6/8/2024	36,064	0	0	36,064	4,424,567	1503	3,073	0	0	0	0	14	0	0	0	25
6/9/2024	35,885	0	0	35,885	4,402,578	1495	3,057	0	0	0	0	14	0	0	0	25
6/10/2024	36,611	0	0	36,611	4,491,634	1525	3,119	0	0	0	0	15	0	0	0	25
6/11/2024	36,357	0	0	36,357	4,460,537	1515	3,098	0	0	0	0	14	0	0	0	25
6/12/2024	36,525	0	0	36,525	4,481,095	1522	3,112	0	0	0	0	15	0	0	0	24
6/13/2024	36,391	0	0	36,391	4,464,726	1516	3,101	0	0	0	0	10	0	0	0	25
6/14/2024	36,207	0	0	36,207	4,442,089	1509	3,085	0	0	0	0	20	0	0	0	26
6/15/2024	36,346	0	0	36,346	4,459,195	1514	3,097	0	0	0	0	10	0	0	0	27
6/16/2024	36,192	0	0	36,192	4,440,248	1508	3,084	0	0	0	0	18	0	0	0	26
6/17/2024	35,546	0	0	35,546	4,360,988	1481	3,028	0	0	0	0	16	0	0	0	26
6/18/2024	36,146	0	0	36,146	4,434,594	1506	3,080	0	0	0	0	15	0	0	0	26
6/19/2024	36,244	0	0	36,244	4,446,639	1510	3,088	0	0	0	0	15	0	0	0	26
6/20/2024	36,137	0	0	36,137	4,433,484	1506	3,079	0	0	0	0	12	0	0	0	25
6/21/2024	36,033	0	0	36,033	4,420,740	1501	3,070	0	0	0	0	13	0	0	0	25
6/22/2024	35,959	0	0	35,959	4,411,704	1498	3,064	0	0	0	0	14	0	0	0	26
6/23/2024	35,793	0	0	35,793	4,391,285	1491	3,050	0	0	0	0	14	0	0	0	26
6/24/2024	36,696	0	0	36,696	4,502,091	1529	3,126	0	0	0	0	15	0	0	0	25
6/25/2024	38,923	0	0	38,923	4,775,285	1622	3,316	0	0	0	0	10	0	0	0	25
6/26/2024	37,432	0	0	37,432	4,592,474	1560	3,189	0	0	0	0	15	0	0	0	26
6/27/2024	35,323	0	0	35,323	4,333,680	1472	3,010	0	0	0	0	15	0	0	0	25
6/28/2024	35,982	0	0	35,982	4,414,549	1499	3,066	0	0	0	0	15	0	0	0	25
6/29/2024	36,813	0	0	36,813	4,516,430	1534	3,136	0	0	0	0	14	0	0	0	20
6/30/2024	36,262	0	0	36,262	4,448,878	1511	3,089	0	0	0	0	15	0	0	0	31
Total	1,087,425	0	0	1,087,425	133,412,879	45,309	92,648	0	0	0	0	430	0	0	0	751
Minimum	35,097	0	0	35,097	4,305,988	1,462	2,990	0	0	0	0	10	0	0	0	20
Average	36,248	0	0	36,248	4,447,096	1,510	3,088	0	0	0	0	14	0	0	0	25
Maximum	38,923	0	0	38,923	4,775,285	1,622	3,316	0	0	0	0	20	0	0	0	31

# 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		
6/1/2024	0	0	0	0	0	0	0	203	205	908	71
6/2/2024	0	0	0	0	0	0	0	220	230	893	77
6/3/2024	0	0	0	0	0	0	0	233	235	878	75
6/4/2024	0	0	0	0	0	0	0	215	230	870	79
6/5/2024	0	0	0	0	0	0	0	225	240	855	78
6/6/2024	0	0	0	0	0	0	0	230	230	848	75
6/7/2024	0	0	0	0	0	0	0	228	228	840	75
6/8/2024	0	0	0	0	0	0	0	235	235	825	72
6/9/2024	0	0	0	0	0	0	0	238	245	818	67
6/10/2024	0	0	0	0	0	0	0	250	250	810	75
6/11/2024	0	0	0	0	0	0	0	248	250	803	81
6/12/2024	0	0	0	0	0	0	0	248	250	795	82
6/13/2024	0	0	0	0	0	0	0	242	243	780	90
6/14/2024	0	0	0	0	0	0	0	248	250	765	73
6/15/2024	0	0	0	0	0	0	0	243	245	758	68
6/16/2024	0	0	0	0	0	0	0	240	240	743	75
6/17/2024	0	0	0	0	0	0	0	240	240	848	80
6/18/2024	0	0	0	0	0	0	0	241	242	720	75
6/19/2024	0	0	0	0	0	0	0	240	240	705	77
6/20/2024	0	0	0	0	0	0	0	243	245	690	75
6/21/2024	0	0	0	0	0	0	0	245	245	675	82
6/22/2024	0	0	0	0	0	0	0	243	245	675	73
6/23/2024	0	0	0	0	0	0	0	245	245	660	68
6/24/2024	0	0	0	0	0	0	0	243	245	645	80
6/25/2024	0	0	0	0	0	0	0	245	245	638	69
6/26/2024	0	0	0	0	0	0	0	253	255	630	78
6/27/2024	0	0	0	0	0	0	0	253	255	615	82
6/28/2024	0	0	0	0	0	0	0	250	250	608	75
6/29/2024	0	0	0	0	0	0	0	260	260	600	80
6/30/2024	0	0	0	0	0	0	0	258	260	870	80
<b>Total</b>	0	0	0	0	0						
<b>Minimum</b>	0	0	0	0	0	0	0	203	205	600	67
<b>Average</b>	0	0	0	0	0	0	0	240	243	759	76
<b>Maximum</b>	0	0	0	0	0	0	0	260	260	908	90

# PUNA GEOTHERMAL VENTURE

## KS-11 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		
6/1/2024	0	0	0	0	0	0	0	18	18	45	60
6/2/2024	0	0	0	0	0	0	0	20	20	45	71
6/3/2024	0	0	0	0	0	0	0	22	22	60	71
6/4/2024	0	0	0	0	0	0	0	21	21	45	65
6/5/2024	0	0	0	0	0	0	0	21	22	60	68
6/6/2024	0	0	0	0	0	0	0	22	22	53	75
6/7/2024	0	0	0	0	0	0	0	22	22	45	67
6/8/2024	0	0	0	0	0	0	0	22	22	45	74
6/9/2024	0	0	0	0	0	0	0	23	23	45	67
6/10/2024	0	0	0	0	0	0	0	23	23	45	74
6/11/2024	0	0	0	0	0	0	0	23	23	45	74
6/12/2024	0	0	0	0	0	0	0	23	23	45	74
6/13/2024	0	0	0	0	0	0	0	23	23	45	67
6/14/2024	0	0	0	0	0	0	0	23	23	45	79
6/15/2024	0	0	0	0	0	0	0	24	24	45	72
6/16/2024	0	0	0	0	0	0	0	23	23	45	79
6/17/2024	0	0	0	0	0	0	0	23	23	45	73
6/18/2024	0	0	0	0	0	0	0	23	23	45	73
6/19/2024	0	0	0	0	0	0	0	23	23	45	74
6/20/2024	0	0	0	0	0	0	0	23	23	45	73
6/21/2024	0	0	0	0	0	0	0	22	22	45	70
6/22/2024	0	0	0	0	0	0	0	22	22	45	73
6/23/2024	0	0	0	0	0	0	0	22	22	45	66
6/24/2024	0	0	0	0	0	0	0	22	22	45	74
6/25/2024	0	0	0	0	0	0	0	24	26	45	66
6/26/2024	0	0	0	0	0	0	0	26	26	45	79
6/27/2024	0	0	0	0	0	0	0	29	29	45	80
6/28/2024	0	0	0	0	0	0	0	26	26	45	70
6/29/2024	0	0	0	0	0	0	0	26	26	45	70
6/30/2024	0	0	0	0	0	0	0	26	26	45	78
Total	0	0	0	0	0						
Minimum	0	0	0	0	0	0	0	18	18	45	60
Average	0	0	0	0	0	0	0	23	23	46	72
Maximum	0	0	0	0	0	0	0	29	29	60	80

# 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 (DEG F)
				KBL	GAL	KPH	GPM	AVG	MAX		
6/1/2024	0	0	0	0	0	0	0	164	165	600	74
6/2/2024	0	0	0	0	0	0	0	160	170	585	130
6/3/2024	0	0	0	0	0	0	0	138	140	578	168
6/4/2024	0	0	0	0	0	0	0	134	138	728	128
6/5/2024	15	181	0	181	22373	7	16	175	210	953	253
6/6/2024	24	524	0	524	64711	21	45	203	205	1230	375
6/7/2024	24	443	0	443	54728	18	38	206	211	1208	358
6/8/2024	24	422	0	422	52105	17	36	210	210	1193	370
6/9/2024	24	246	0	246	30359	10	21	215	215	1178	376
6/10/2024	24	411	0	411	50820	16	35	219	220	1148	383
6/11/2024	24	435	0	435	53749	17	37	223	225	1118	374
6/12/2024	24	446	0	446	55112	18	38	225	225	1080	375
6/13/2024	24	435	0	435	53804	17	37	218	218	1058	375
6/14/2024	24	293	0	293	36241	12	25	215	215	1028	373
6/15/2024	24	365	0	365	45067	14	31	215	215	998	375
6/16/2024	24	189	0	189	23337	8	16	215	215	983	375
6/17/2024	24	91	0	91	11294	4	8	217	218	953	377
6/18/2024	24	152	0	152	18809	6	13	223	225	1095	380
6/19/2024	24	188	0	188	23209	7	16	225	225	1080	384
6/20/2024	24	173	0	173	21395	7	15	222	223	1163	375
6/21/2024	24	154	0	154	19092	6	13	229	230	1140	375
6/22/2024	24	143	0	143	17692	6	12	230	230	1118	375
6/23/2024	24	107	0	107	13195	4	9	219	230	1088	371
6/24/2024	18	111	0	111	13717	4	10	120	220	990	278
6/25/2024	0	0	0	0	0	0	0	40	40	728	165
6/26/2024	0	0	0	0	0	0	0	60	65	893	165
6/27/2024	0	0	0	0	0	0	0	83	85	720	159
6/28/2024	0	0	0	0	0	0	0	90	90	690	143
6/29/2024	0	0	0	0	0	0	0	100	100	698	155
6/30/2024	0	0	0	0	0	0	0	114	115	638	130
<b>Total</b>	<b>465</b>	<b>5508</b>	<b>0</b>	<b>5508</b>	<b>680809</b>						
<b>Minimum</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>40</b>	<b>40</b>	<b>578</b>	<b>74</b>
<b>Average</b>	<b>16</b>	<b>184</b>	<b>0</b>	<b>184</b>	<b>22694</b>	<b>7</b>	<b>16</b>	<b>177</b>	<b>183</b>	<b>955</b>	<b>290</b>
<b>Maximum</b>	<b>24</b>	<b>524</b>	<b>0</b>	<b>524</b>	<b>64711</b>	<b>21</b>	<b>45</b>	<b>230</b>	<b>230</b>	<b>1230</b>	<b>384</b>

# 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 (DEG F)
				KBL	GAL	KPH	GPM	AVG	MAX		
6/1/2024	24	106	0	106	13056	4	9	13	25	375	183
6/2/2024	24	339	0	339	41862	13	29	6	11	360	150
6/3/2024	0	0	0	0	0	0	0	6	11	353	151
6/4/2024	0	0	0	0	0	0	0	0	0	345	123
6/5/2024	0	0	0	0	0	0	0	0	0	338	120
6/6/2024	0	0	0	0	0	0	0	0	0	330	108
6/7/2024	0	0	0	0	0	0	0	0	0	330	108
6/8/2024	0	0	0	0	0	0	0	0	0	330	100
6/9/2024	24	128	0	128	15881	5	11	0	0	330	95
6/10/2024	24	983	0	983	121536	39	84	13	25	480	144
6/11/2024	24	898	0	898	111047	36	77	0	0	518	153
6/12/2024	24	1330	0	1330	164348	53	114	0	0	593	158
6/13/2024	24	1358	0	1358	167881	54	117	33	65	608	146
6/14/2024	24	1380	0	1380	170533	55	118	23	25	593	153
6/15/2024	24	1560	0	1560	192843	62	134	81	155	638	154
6/16/2024	24	1659	0	1659	205092	66	142	95	180	645	153
6/17/2024	24	1681	0	1681	207706	67	144	140	180	645	151
6/18/2024	24	1781	0	1781	220099	71	153	185	190	683	158
6/19/2024	24	1776	0	1776	219478	71	152	190	190	690	157
6/20/2024	24	1787	0	1787	220815	71	153	190	190	683	158
6/21/2024	24	1794	0	1794	221710	71	154	191	192	675	162
6/22/2024	24	1782	0	1782	220237	71	153	182	190	675	169
6/23/2024	24	1772	0	1772	218956	70	152	180	180	675	149
6/24/2024	18	1460	0	1460	180394	58	125	104	180	675	168
6/25/2024	0	0	0	0	0	0	0	0	0	315	115
6/26/2024	0	0	0	0	0	0	0	10	20	308	105
6/27/2024	0	0	0	0	0	0	0	10	20	300	108
6/28/2024	0	0	0	0	0	0	0	20	20	300	108
6/29/2024	0	0	0	0	0	0	0	20	20	300	98
6/30/2024	0	0	0	0	0	0	0	13	25	285	90
<b>Total</b>	<b>426</b>	<b>23572</b>	<b>0</b>	<b>23572</b>	<b>2913474</b>						
<b>Minimum</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>285</b>	<b>90</b>
<b>Average</b>	<b>14</b>	<b>786</b>	<b>0</b>	<b>786</b>	<b>97116</b>	<b>31</b>	<b>67</b>	<b>57</b>	<b>70</b>	<b>479</b>	<b>136</b>
<b>Maximum</b>	<b>24</b>	<b>1794</b>	<b>0</b>	<b>1794</b>	<b>221710</b>	<b>71</b>	<b>154</b>	<b>191</b>	<b>192</b>	<b>690</b>	<b>183</b>



# 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 (DEG F)
				KBL	GAL	KPH	GPM	AVG	MAX		
6/1/2024	24	4621	0	4621	571192	4621	397	113	205	1118	169
6/2/2024	24	4627	0	4627	571822	4627	397	225	235	1125	179
6/3/2024	24	5002	0	5002	618181	5002	429	235	240	1133	180
6/4/2024	24	4854	0	4854	599982	4854	417	220	240	1125	175
6/5/2024	24	5064	0	5064	625896	5064	435	225	240	1140	181
6/6/2024	24	4855	0	4855	600055	4855	417	230	230	1125	182
6/7/2024	24	4878	0	4878	602890	4878	419	230	240	1133	182
6/8/2024	24	4936	0	4936	610104	4936	424	230	240	1140	180
6/9/2024	24	4975	0	4975	614937	4975	427	230	240	1140	173
6/10/2024	24	4910	0	4910	606863	4910	421	245	245	1140	182
6/11/2024	24	4840	0	4840	598239	4840	415	243	245	1140	181
6/12/2024	24	4766	0	4766	589091	4766	409	240	240	1140	182
6/13/2024	24	4729	0	4729	584449	4729	406	233	245	1140	176
6/14/2024	24	4741	0	4741	585912	4741	407	240	240	1140	188
6/15/2024	24	4700	0	4700	580924	4700	403	240	240	1140	178
6/16/2024	24	4723	0	4723	583753	4723	405	238	240	1140	188
6/17/2024	24	4630	0	4630	572245	4630	397	233	245	1140	175
6/18/2024	24	4662	0	4662	576158	4662	400	248	255	1140	181
6/19/2024	24	4676	0	4676	577977	4676	401	255	255	1140	183
6/20/2024	24	4650	0	4650	574713	4650	399	242	255	1140	176
6/21/2024	24	4622	0	4622	571323	4622	397	245	260	1155	179
6/22/2024	24	4620	0	4620	571066	4620	397	240	250	1140	189
6/23/2024	24	4616	0	4616	570564	4616	396	235	250	1140	182
6/24/2024	24	4803	0	4803	593628	4803	412	255	270	1148	194
6/25/2024	24	5331	0	5331	658858	5331	458	300	300	1178	183
6/26/2024	24	5319	0	5319	657398	5319	457	268	270	1185	188
6/27/2024	24	4829	0	4829	596880	4829	415	250	260	1170	188
6/28/2024	24	4760	0	4760	588289	4760	409	245	250	1163	180
6/29/2024	24	4996	0	4996	617514	4996	429	260	270	1163	181
6/30/2024	24	4917	0	4917	607766	4917	422	260	270	1163	190
<b>Total</b>	<b>720</b>	<b>144653</b>	<b>0</b>	<b>144653</b>	<b>17878669</b>						
<b>Minimum</b>	<b>24</b>	<b>4616</b>	<b>0</b>	<b>4616</b>	<b>570564</b>	<b>4616</b>	<b>396</b>	<b>113</b>	<b>205</b>	<b>1118</b>	<b>169</b>
<b>Average</b>	<b>24</b>	<b>4822</b>	<b>0</b>	<b>4822</b>	<b>595956</b>	<b>4822</b>	<b>414</b>	<b>238</b>	<b>249</b>	<b>1144</b>	<b>181</b>
<b>Maximum</b>	<b>24</b>	<b>5331</b>	<b>0</b>	<b>5331</b>	<b>658858</b>	<b>5331</b>	<b>458</b>	<b>300</b>	<b>300</b>	<b>1185</b>	<b>194</b>

# PUNA GEOTHERMAL VENTURE

## KS-21 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		
6/1/2024	24	30112	0	30112	3721740	1197	2585	97	175	968	180
6/2/2024	24	30132	0	30132	3724239	1197	2586	188	200	983	184
6/3/2024	24	32546	0	32546	4022622	1293	2793	198	200	975	187
6/4/2024	24	30329	0	30329	3748564	1205	2603	184	200	983	188
6/5/2024	24	30652	0	30652	3788442	1218	2631	205	210	983	189
6/6/2024	24	30157	0	30157	3727322	1198	2588	194	197	990	183
6/7/2024	24	30290	0	30290	3743712	1204	2600	198	200	968	185
6/8/2024	24	30441	0	30441	3762358	1210	2613	203	205	998	186
6/9/2024	24	30271	0	30271	3741401	1203	2598	210	210	998	182
6/10/2024	24	30037	0	30037	3712415	1194	2578	207	208	1050	189
6/11/2024	24	29916	0	29916	3697502	1189	2568	210	210	1020	189
6/12/2024	24	29714	0	29714	3672544	1181	2550	208	210	1050	188
6/13/2024	24	29601	0	29601	3658592	1176	2541	209	209	983	189
6/14/2024	24	29527	0	29527	3649403	1173	2534	205	205	1013	190
6/15/2024	24	29454	0	29454	3640361	1170	2528	204	205	983	186
6/16/2024	24	29354	0	29354	3628066	1166	2519	205	210	1005	190
6/17/2024	24	28882	0	28882	3569743	1148	2479	215	215	1013	185
6/18/2024	24	29285	0	29285	3619528	1164	2514	215	220	945	189
6/19/2024	24	29337	0	29337	3625975	1166	2518	220	220	1005	191
6/20/2024	24	29261	0	29261	3616561	1163	2512	220	220	1035	191
6/21/2024	24	29197	0	29197	3608615	1160	2506	220	220	990	190
6/22/2024	24	29149	0	29149	3602709	1158	2502	220	220	998	188
6/23/2024	24	29035	0	29035	3588570	1154	2492	215	220	1020	190
6/24/2024	24	30052	0	30052	3714352	1194	2579	235	260	1005	194
6/25/2024	24	33305	0	33305	4116427	1323	2859	275	280	1013	194
6/26/2024	24	31838	0	31838	3935076	1265	2733	275	275	1065	196
6/27/2024	24	30234	0	30234	3736800	1201	2595	260	260	1020	194
6/28/2024	24	30958	0	30958	3826260	1230	2657	248	255	1028	189
6/29/2024	24	31545	0	31545	3898916	1254	2708	260	270	1013	190
6/30/2024	24	31078	0	31078	3841112	1235	2667	258	265	953	191
<b>Total</b>	<b>720</b>	<b>905687</b>	<b>0</b>	<b>905687</b>	<b>111939927</b>						
<b>Minimum</b>	<b>24</b>	<b>28882</b>	<b>0</b>	<b>28882</b>	<b>3569743</b>	<b>1148</b>	<b>2479</b>	<b>97</b>	<b>175</b>	<b>945</b>	<b>180</b>
<b>Average</b>	<b>24</b>	<b>30190</b>	<b>0</b>	<b>30190</b>	<b>3731331</b>	<b>1200</b>	<b>2591</b>	<b>215</b>	<b>222</b>	<b>1002</b>	<b>188</b>
<b>Maximum</b>	<b>24</b>	<b>33305</b>	<b>0</b>	<b>33305</b>	<b>4116427</b>	<b>1323</b>	<b>2859</b>	<b>275</b>	<b>280</b>	<b>1065</b>	<b>196</b>