



October 30, 2025

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

SUBJECT: PRODUCTION AND INJECTION REPORTS – SEPTEMBER 2025

Dear Chairperson Chang:

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

Should you have any questions or need any additional information, please contact me at (808) 965-2847 or spakele@ormat.com.

Sincerely,

Summer Pakele
Environmental Compliance Coordinator

Encl.: 2025 September Production and Injection Reports

cc: Philip M. Nigro, DLNR Geologist II, Engineering Division
Gayson Ching, DLNR Project Management and Mineral Resources Branch Chief
Megan Hubbard, DLNR Mineral Resources Specialist
PGV File

PUNA GEOTHERMAL VENTURE

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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		
9/1/2025	11,012	22,407	33,418	67.0	33.0	459	934	1392	24.3	6.3	30.7	453	24
9/2/2025	10,862	23,865	34,726	68.7	31.3	453	994	1447	24.0	5.5	29.5	447	24
9/3/2025	11,040	23,563	34,603	68.1	31.9	460	982	1442	24.4	5.5	29.9	452	24
9/4/2025	11,010	23,165	34,175	67.8	32.2	459	965	1424	24.3	5.5	29.8	452	24
9/5/2025	11,003	23,701	34,704	68.3	31.7	458	988	1446	24.3	5.5	29.8	448	24
9/6/2025	11,003	23,926	34,929	68.5	31.5	458	997	1455	24.3	5.4	29.7	452	24
9/7/2025	10,924	23,831	34,755	68.6	31.4	455	993	1448	24.1	5.3	29.4	449	24
9/8/2025	10,765	22,977	33,742	68.1	31.9	449	957	1406	23.7	5.3	29.0	451	24
9/9/2025	10,976	22,915	33,892	67.6	32.4	457	955	1412	24.3	7.2	31.4	453	24
9/10/2025	10,845	22,773	33,618	67.7	32.3	452	949	1401	23.9	5.2	29.1	454	24
9/11/2025	11,152	23,436	34,588	67.8	32.2	465	977	1441	24.7	5.4	30.1	461	24
9/12/2025	11,396	21,653	33,049	65.5	34.5	475	902	1377	25.3	5.2	30.4	468	24
9/13/2025	11,483	20,819	32,301	64.5	35.5	478	867	1346	25.5	5.1	30.6	456	24
9/14/2025	10,765	21,156	31,921	66.3	33.7	449	882	1330	23.7	5.0	28.8	452	24
9/15/2025	11,432	21,168	32,600	64.9	35.1	476	882	1358	25.4	5.1	30.5	456	24
9/16/2025	11,339	20,961	32,300	64.9	35.1	472	873	1346	25.1	5.2	30.4	454	24
9/17/2025	10,166	19,874	30,040	66.2	33.8	424	828	1252	22.3	5.0	27.2	472	24
9/18/2025	10,340	21,141	31,481	67.2	32.8	431	881	1312	22.7	5.2	27.8	467	24
9/19/2025	11,015	23,516	34,531	68.1	31.9	459	980	1439	24.3	5.3	29.7	452	24
9/20/2025	11,152	22,717	33,868	67.1	32.9	465	947	1411	24.7	5.3	30.0	452	24
9/21/2025	11,148	22,718	33,866	67.1	32.9	465	947	1411	24.7	5.3	30.0	450	24
9/22/2025	10,958	23,490	34,448	68.2	31.8	457	979	1435	24.2	5.4	29.6	454	24
9/23/2025	10,927	23,422	34,349	68.2	31.8	455	976	1431	24.1	5.4	29.5	443	24
9/24/2025	10,708	23,514	34,222	68.7	31.3	446	980	1426	23.6	5.3	28.9	453	24
9/25/2025	10,809	23,099	33,908	68.1	31.9	450	962	1413	23.8	5.3	29.1	452	24
9/26/2025	10,819	22,957	33,777	68.0	32.0	451	957	1407	23.9	5.2	29.0	451	24
9/27/2025	10,531	22,690	33,221	68.3	31.7	439	945	1384	23.2	5.1	28.3	452	24
9/28/2025	10,706	22,878	33,585	68.1	31.9	446	953	1399	23.6	5.2	28.8	452	24
9/29/2025	10,517	23,184	33,702	68.8	31.2	438	966	1404	23.1	5.2	28.3	451	24
9/30/2025	10,654	22,980	33,634	68.3	31.7	444	957	1401	23.5	5.3	28.7	453	24
Mo. Totals/Avg	327,458	680,496	1,007,955	67.5	32.5	455	945	1400	24.1	5.4	29.5	454	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)
9/1/2025			0	74	354	425	451	457	376	441	574	487
9/2/2025			0	73	352	426	450	454	376	438	573	470
9/3/2025			0	75	354	425	447	457	375	441	573	487
9/4/2025			0	71	351	425	451	456	375	441	572	487
9/5/2025			0	73	349	425	442	454	375	440	572	474
9/6/2025			0	73	352	430	240	455	374	440	572	482
9/7/2025			0	73	348	425	444	454	374	439	571	481
9/8/2025			0	73	351	424	452	455	374	440	572	487
9/9/2025			0	73	353	438	446	455	374	438	571	481
9/10/2025			0	71	353	438	450	457	373	440	568	480
9/11/2025			0	73	490	459	452	457	375	443	562	485
9/12/2025			0	71	511	465	455	458	376	468	554	483
9/13/2025			0	73	490	455	454	456	375	440	553	472
9/14/2025			0	73	469	449	452	450	375	435	552	475
9/15/2025			0	73	439	449	447	456	377	440	549	479
9/16/2025			0	73	414	444	449	454	378	441	547	479
9/17/2025			0	77	530	469	451	456	544	479	551	483
9/18/2025			0	76	555	474	454	457	439	456	551	483
9/19/2025			0	75	376	432	440	453	375	443	549	483
9/20/2025			0	76	361	428	450	457	375	441	549	484
9/21/2025			0	76	356	428	448	456	375	436	548	479
9/22/2025			0	75	356	445	443	455	373	440	548	475
9/23/2025			0	75	370	431	451	456	375	406	547	479
9/24/2025			0	75	362	429	453	456	376	445	547	481
9/25/2025			0	75	362	428	453	456	375	441	547	482
9/26/2025			0	75	355	426	455	457	375	441	547	482
9/27/2025			0	75	198	425	451	458	377	441	546	484
9/28/2025			0	73	345	424	451	459	374	443	546	484
9/29/2025			0	72	342	422	451	457	373	445	544	482
9/30/2025			0	75	358	442	435	452	374	440	543	479
Monthly Average			0	74	385	437	442	455	382	442	556	481

PUNA GEOTHERMAL VENTURE

COMBINED INJECTION WELL DATA QUANTITIES OF 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	Bio- sperse GAL	NaOH GAL	Royal Purple GAL	98% Acid GAL
				KLB	GAL	KPH	GPM									
9/1/2025	33,418	0	0	33,418	4,099,988	1392	2,847	0	0	0	30	35	0	0		11
9/2/2025	34,726	0	0	34,726	4,260,427	1447	2,959	0	0	0	20	35	1	0		11
9/3/2025	34,603	0	0	34,603	4,245,336	1442	2,948	0	0	0	30	36	0	0		12
9/4/2025	34,175	0	0	34,175	4,192,880	1424	2,912	0	0	0	25	33	0	0		13
9/5/2025	34,704	0	0	34,704	4,257,743	1446	2,957	0	0	0	25	35	1	0		11
9/6/2025	34,929	0	0	34,929	4,285,356	1455	2,976	0	0	0	25	35	0	0		10
9/7/2025	34,755	0	0	34,755	4,264,019	1448	2,961	0	0	0	25	35	0	0		11
9/8/2025	33,742	0	0	33,742	4,139,760	1406	2,875	0	0	0	30	30	0	0		13
9/9/2025	33,892	0	0	33,892	4,158,044	1412	2,888	0	0	0	30	31	0	0		12
9/10/2025	33,618	0	0	33,618	4,124,490	1401	2,864	0	0	0	30	34	0	0		12
9/11/2025	34,588	0	0	34,588	4,243,465	1441	2,947	0	0	0	30	31	0	0		8
9/12/2025	33,049	0	0	33,049	4,054,717	1377	2,816	0	0	0	30	34	0	0		11
9/13/2025	32,301	0	0	32,301	3,962,969	1346	2,752	0	0	0	15	32	0	0		10
9/14/2025	31,921	0	0	31,921	3,916,335	1330	2,720	0	0	0	20	30	0	0		10
9/15/2025	32,600	0	0	32,600	3,999,595	1358	2,777	0	0	0	30	31	1	0		11
9/16/2025	32,300	0	0	32,300	3,962,737	1346	2,752	0	0	0	30	30	0	0		9
9/17/2025	30,040	0	0	30,040	3,685,546	1252	2,559	0	0	0	30	32	0	0		10
9/18/2025	31,481	0	0	31,481	3,862,260	1312	2,682	0	0	0	25	33	0	0		10
9/19/2025	34,531	0	0	34,531	4,236,545	1439	2,942	0	0	0	25	35	1	0		11
9/20/2025	33,868	0	0	33,868	4,155,214	1411	2,886	0	0	0	25	31	2	0		11
9/21/2025	33,866	0	0	33,866	4,154,938	1411	2,885	0	0	0	25	31	1	0		11
9/22/2025	34,448	0	0	34,448	4,226,313	1435	2,935	0	0	0	25	33	6	0		11
9/23/2025	34,349	0	0	34,349	4,214,190	1431	2,927	0	0	0	25	25	3	0		11
9/24/2025	34,222	0	0	34,222	4,198,595	1426	2,916	0	0	0	20	35	2	0		11
9/25/2025	33,908	0	0	33,908	4,160,061	1413	2,889	0	0	0	30	34	0	0		11
9/26/2025	33,777	0	0	33,777	4,143,960	1407	2,878	0	0	0	20	31	1	0		11
9/27/2025	33,221	0	0	33,221	4,075,769	1384	2,830	0	0	0	30	35	4	0		11
9/28/2025	33,585	0	0	33,585	4,120,405	1399	2,861	0	0	0	22	33	1	0		11
9/29/2025	33,702	0	0	33,702	4,134,743	1404	2,871	0	0	0	33	32	1	0		11
9/30/2025	33,634	0	0	33,634	4,126,443	1401	2,866	0	0	0	25	35	1	0		11
Total	1,007,955	0	0	1,007,955	123,662,843	41,998	85,877	0	0	0	785	982	26	0	0	327
Minimum	30,040	0	0	30,040	3,685,546	1,252	2,559	0	0	0	15	25	0	0	0	8
Average	33,598	0	0	33,598	4,127,095	1,400	2,863	0	0	0	28	33	1	0	0	11
Maximum	34,929	0	0	34,929	4,285,356	1,455	2,976	0	0	0	33	36	6	0	0	13

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		
9/1/2025	0	0	0	0	0	0	0	400	400	0	77
9/2/2025	0	0	0	0	0	0	0	400	400	0	78
9/3/2025	0	0	0	0	0	0	0	403	405	0	73
9/4/2025	0	0	0	0	0	0	0	405	410	0	77
9/5/2025	0	0	0	0	0	0	0	404	405	0	76
9/6/2025	0	0	0	0	0	0	0	403	405	0	80
9/7/2025	0	0	0	0	0	0	0	405	410	0	79
9/8/2025	0	0	0	0	0	0	0	390	400	0	79
9/9/2025	0	0	0	0	0	0	0	405	410	0	76
9/10/2025	0	0	0	0	0	0	0	405	410	0	76
9/11/2025	0	0	0	0	0	0	0	403	405	0	81
9/12/2025	0	0	0	0	0	0	0	390	410	0	79
9/13/2025	0	0	0	0	0	0	0	403	405	0	65
9/14/2025	0	0	0	0	0	0	0	400	400	0	80
9/15/2025	0	0	0	0	0	0	0	403	405	0	75
9/16/2025	0	0	0	0	0	0	0	400	400	0	78
9/17/2025	0	0	0	0	0	0	0	400	400	0	79
9/18/2025	0	0	0	0	0	0	0	398	400	0	84
9/19/2025	0	0	0	0	0	0	0	400	400	0	83
9/20/2025	0	0	0	0	0	0	0	400	400	0	81
9/21/2025	0	0	0	0	0	0	0	400	400	0	73
9/22/2025	0	0	0	0	0	0	0	400	400	0	75
9/23/2025	0	0	0	0	0	0	0	403	405	0	80
9/24/2025	0	0	0	0	0	0	0	403	405	0	77
9/25/2025	0	0	0	0	0	0	0	403	405	0	84
9/26/2025	0	0	0	0	0	0	0	405	410	0	86
9/27/2025	0	0	0	0	0	0	0	400	400	0	88
9/28/2025	0	0	0	0	0	0	0	400	405	0	81
9/29/2025	0	0	0	0	0	0	0	405	410	0	78
9/30/2025	0	0	0	0	0	0	0	388	405	0	74
Total	0	0	0	0	0						
Minimum	0	0	0	0	0	0	0	388	400	0	65
Average	0	0	0	0	0	0	0	401	404	0	78
Maximum	0	0	0	0	0	0	0	405	410	0	88

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		
9/1/2025	0	0	0	0	0	0	0	719	720	705	68
9/2/2025	0	0	0	0	0	0	0	717	718	705	65
9/3/2025	0	0	0	0	0	0	0	714	715	705	68
9/4/2025	0	0	0	0	0	0	0	711	712	705	70
9/5/2025	0	0	0	0	0	0	0	714	715	705	67
9/6/2025	0	0	0	0	0	0	0	711	712	698	74
9/7/2025	0	0	0	0	0	0	0	691	692	690	67
9/8/2025	0	0	0	0	0	0	0	698	710	690	73
9/9/2025	0	0	0	0	0	0	0	680	680	690	65
9/10/2025	0	0	0	0	0	0	0	678	680	690	66
9/11/2025	0	0	0	0	0	0	0	678	680	690	68
9/12/2025	0	0	0	0	0	0	0	678	680	690	71
9/13/2025	0	0	0	0	0	0	0	646	662	675	67
9/14/2025	0	0	0	0	0	0	0	660	660	675	65
9/15/2025	0	0	0	0	0	0	0	663	665	675	70
9/16/2025	0	0	0	0	0	0	0	665	680	675	73
9/17/2025	0	0	0	0	0	0	0	643	645	675	73
9/18/2025	0	0	0	0	0	0	0	653	660	675	75
9/19/2025	0	0	0	0	0	0	0	646	650	675	73
9/20/2025	0	0	0	0	0	0	0	645	650	675	71
9/21/2025	0	0	0	0	0	0	0	641	642	675	70
9/22/2025	0	0	0	0	0	0	0	640	640	570	68
9/23/2025	0	0	0	0	0	0	0	566	650	0	80
9/24/2025	0	0	0	0	0	0	0	0	0	8	72
9/25/2025	0	0	0	0	0	0	0	0	0	30	77
9/26/2025	0	0	0	0	0	0	0	0	0	30	75
9/27/2025	0	0	0	0	0	0	0	0	0	30	74
9/28/2025	0	0	0	0	0	0	0	0	0	38	72
9/29/2025	0	0	0	0	0	0	0	0	0	45	73
9/30/2025	0	0	0	0	0	0	0	2	4	60	69
Total	0	0	0	0	0						
Minimum	0	0	0	0	0	0	0	0	0	0	65
Average	0	0	0	0	0	0	0	515	521	508	70
Maximum	0	0	0	0	0	0	0	719	720	705	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		
9/1/2025	24	1681	0	1681	207709	144	67	406	410	1343	189
9/2/2025	24	2229	0	2229	275462	191	89	405	410	1298	191
9/3/2025	24	2220	0	2220	274412	191	88	405	410	1335	191
9/4/2025	24	1976	0	1976	244227	170	79	400	400	1358	190
9/5/2025	24	2198	0	2198	271688	189	87	405	410	1328	188
9/6/2025	24	2220	0	2220	274327	191	88	403	405	1290	189
9/7/2025	24	2211	0	2211	273236	190	88	406	409	1260	191
9/8/2025	24	2231	0	2231	275759	191	89	412	415	1395	192
9/9/2025	24	2260	0	2260	279332	194	90	411	412	1358	190
9/10/2025	24	2137	0	2137	264171	183	85	410	410	1335	190
9/11/2025	24	2229	0	2229	275471	191	89	429	430	1388	197
9/12/2025	24	1950	0	1950	241034	167	77	403	415	1320	188
9/13/2025	24	1789	0	1789	221074	154	71	380	380	1268	186
9/14/2025	24	1628	0	1628	201216	140	65	375	375	1245	183
9/15/2025	24	1880	0	1880	232370	161	75	385	390	1425	188
9/16/2025	24	2061	0	2061	254687	177	82	393	400	1395	189
9/17/2025	24	1758	0	1758	217343	151	70	340	345	1260	187
9/18/2025	24	1700	0	1700	210068	146	68	374	400	1298	191
9/19/2025	24	1915	0	1915	236630	164	76	420	420	1305	195
9/20/2025	24	2064	0	2064	255149	177	82	420	420	1425	193
9/21/2025	24	2063	0	2063	255031	177	82	425	429	1403	194
9/22/2025	24	2015	0	2015	249019	173	80	422	422	1335	188
9/23/2025	24	1971	0	1971	243652	169	78	431	432	1313	197
9/24/2025	24	1947	0	1947	240704	167	77	429	440	1298	189
9/25/2025	24	1964	0	1964	242749	169	78	433	435	1425	194
9/26/2025	24	1972	0	1972	243738	169	78	433	435	1388	193
9/27/2025	24	1897	0	1897	234524	163	75	424	428	1343	193
9/28/2025	24	1796	0	1796	221980	154	71	419	420	1313	192
9/29/2025	24	1855	0	1855	229307	159	74	433	435	1418	188
9/30/2025	24	1668	0	1668	206174	143	66	430	430	1388	190
Total	720	59486	0	59486	7352243						
Minimum	24	1628	0	1628	201216	140	65	340	345	1245	183
Average	24	1983	0	1983	245075	170	79	409	412	1342	190
Maximum	24	2260	0	2260	279332	194	90	433	440	1425	197

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		
9/1/2025	0	0	0	0	0	0	0	406	410	1343	189
9/2/2025	0	0	0	0	0	0	0	405	410	1298	191
9/3/2025	0	0	0	0	0	0	0	405	410	1335	191
9/4/2025	0	0	0	0	0	0	0	400	400	1358	190
9/5/2025	0	0	0	0	0	0	0	405	410	1328	188
9/6/2025	0	0	0	0	0	0	0	403	405	1290	189
9/7/2025	0	0	0	0	0	0	0	406	409	1260	191
9/8/2025	0	0	0	0	0	0	0	412	415	1395	192
9/9/2025	0	0	0	0	0	0	0	411	412	1358	190
9/10/2025	0	0	0	0	0	0	0	410	410	1335	190
9/11/2025	0	0	0	0	0	0	0	429	430	1388	197
9/12/2025	0	0	0	0	0	0	0	403	415	1320	188
9/13/2025	0	0	0	0	0	0	0	380	380	1268	186
9/14/2025	0	0	0	0	0	0	0	375	375	1245	183
9/15/2025	0	0	0	0	0	0	0	385	390	1425	188
9/16/2025	0	0	0	0	0	0	0	393	400	1395	189
9/17/2025	0	0	0	0	0	0	0	340	345	1260	187
9/18/2025	0	0	0	0	0	0	0	374	400	1298	191
9/19/2025	0	0	0	0	0	0	0	420	420	1305	195
9/20/2025	0	0	0	0	0	0	0	420	420	1425	193
9/21/2025	0	0	0	0	0	0	0	425	429	1403	194
9/22/2025	0	0	0	0	0	0	0	422	422	1335	188
9/23/2025	0	0	0	0	0	0	0	431	432	1313	197
9/24/2025	0	0	0	0	0	0	0	429	440	1298	189
9/25/2025	0	0	0	0	0	0	0	433	435	1425	194
9/26/2025	0	0	0	0	0	0	0	433	435	1388	193
9/27/2025	0	0	0	0	0	0	0	424	428	1343	193
9/28/2025	0	0	0	0	0	0	0	419	420	1313	192
9/29/2025	0	0	0	0	0	0	0	433	435	1418	188
9/30/2025	0	0	0	0	0	0	0	430	430	1388	190
Total	0	0	0	0	0						
Minimum	0	0	0	0	0	0	0	340	345	1245	183
Average	0	0	0	0	0	0	0	409	412	1342	190
Maximum	0	0	0	0	0	0	0	433	440	1425	197

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		
9/1/2025	24	2439	0	2439	301414	97	209	393	395	1433	181
9/2/2025	24	3775	0	3775	466560	150	324	392	398	1433	175
9/3/2025	24	3752	0	3752	463680	149	322	394	397	1433	182
9/4/2025	24	3787	0	3787	468000	150	325	390	390	1425	182
9/5/2025	24	3728	0	3728	460800	148	320	387	390	1433	175
9/6/2025	24	3787	0	3787	468000	150	325	390	392	1433	175
9/7/2025	24	3670	0	3670	453600	146	315	390	390	1433	175
9/8/2025	24	2447	0	2447	302400	97	210	399	400	1433	176
9/9/2025	24	2680	0	2680	331200	106	230	398	400	1440	176
9/10/2025	24	2613	0	2613	322900	104	224	402	403	1440	176
9/11/2025	24	2673	0	2673	330329	106	229	420	420	1455	182
9/12/2025	24	2555	0	2555	315790	102	219	385	400	1425	182
9/13/2025	24	2490	0	2490	307780	99	214	366	370	1410	171
9/14/2025	24	2457	0	2457	303629	98	211	358	358	1410	170
9/15/2025	24	2454	0	2454	303306	98	211	370	370	1418	171
9/16/2025	24	2410	0	2410	297904	96	207	380	380	1425	175
9/17/2025	24	2253	0	2253	278504	90	193	327	330	1388	180
9/18/2025	24	2322	0	2322	287003	92	199	360	375	1403	175
9/19/2025	24	2465	0	2465	304694	98	212	420	420	1448	186
9/20/2025	24	2399	0	2399	296447	95	206	420	420	1448	188
9/21/2025	24	2380	0	2380	294216	95	204	419	420	1440	181
9/22/2025	24	2371	0	2371	292990	94	203	415	415	1440	175
9/23/2025	24	2356	0	2356	291192	94	202	423	425	1455	177
9/24/2025	24	2334	0	2334	288459	93	200	420	420	1455	192
9/25/2025	24	2262	0	2262	279517	90	194	385	420	1455	186
9/26/2025	24	2243	0	2243	277247	89	193	423	425	1455	187
9/27/2025	24	2241	0	2241	276935	89	192	423	425	1448	187
9/28/2025	24	2254	0	2254	278625	90	193	419	420	1448	179
9/29/2025	24	2239	0	2239	276779	89	192	413	415	1448	180
9/30/2025	24	2246	0	2246	277606	89	193	425	430	1448	183
Total	720	80079	0	80079	9897506						
Minimum	24	2239	0	2239	276779	89	192	327	330	1388	170
Average	24	2669	0	2669	329917	106	229	397	400	1435	179
Maximum	24	3787	0	3787	468000	150	325	425	430	1455	192

PUNA GEOTHERMAL VENTURE

KS-21 INJECTION WELL DATA QUANTITIES OF FLUID INJECTED FOR 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		
9/1/2025	24	29053	0	29053	3590865	1154	2494	397	400	1095	184
9/2/2025	24	28467	0	28467	3518405	1131	2443	393	400	1253	183
9/3/2025	24	28377	0	28377	3507244	1128	2436	395	400	1223	186
9/4/2025	24	28161	0	28161	3480653	1119	2417	395	395	1193	186
9/5/2025	24	28522	0	28522	3525255	1133	2448	393	400	1170	182
9/6/2025	24	28666	0	28666	3543029	1139	2460	393	395	1140	179
9/7/2025	24	28619	0	28619	3537183	1137	2456	406	417	1125	180
9/8/2025	24	28816	0	28816	3561601	1145	2473	420	440	1095	184
9/9/2025	24	28702	0	28702	3547512	1141	2464	409	435	1080	182
9/10/2025	24	28621	0	28621	3537419	1137	2457	408	435	1163	182
9/11/2025	24	29432	0	29432	3637665	1170	2526	435	450	1238	188
9/12/2025	24	28301	0	28301	3497893	1125	2429	383	400	1200	184
9/13/2025	24	27785	0	27785	3434115	1104	2385	359	368	1155	178
9/14/2025	24	27602	0	27602	3411490	1097	2369	358	358	1125	175
9/15/2025	24	28026	0	28026	3463919	1114	2405	374	392	1088	180
9/16/2025	24	27591	0	27591	3410146	1096	2368	368	375	1095	180
9/17/2025	24	25807	0	25807	3189699	1025	2215	339	352	1208	183
9/18/2025	24	27227	0	27227	3365189	1082	2337	358	370	1185	181
9/19/2025	24	29897	0	29897	3695221	1188	2566	413	415	1193	189
9/20/2025	24	29156	0	29156	3603618	1159	2503	418	420	1170	189
9/21/2025	24	29173	0	29173	3605691	1159	2504	387	415	1155	186
9/22/2025	24	29809	0	29809	3684304	1185	2559	380	380	1110	180
9/23/2025	24	29769	0	29769	3679346	1183	2555	390	420	1103	190
9/24/2025	24	29689	0	29689	3669432	1180	2548	435	435	1223	192
9/25/2025	24	29433	0	29433	3637795	1170	2526	386	420	1200	190
9/26/2025	24	29313	0	29313	3622975	1165	2516	395	425	1178	190
9/27/2025	24	28838	0	28838	3564310	1146	2475	420	425	1155	190
9/28/2025	24	29287	0	29287	3619800	1164	2514	411	412	1125	184
9/29/2025	24	29359	0	29359	3628657	1167	2520	408	410	1103	189
9/30/2025	24	29472	0	29472	3642663	1171	2530	415	420	1088	186
Total	720	860970	0	860970	106413094						
Minimum	24	25807	0	25807	3189699	1025	2215	339	352	1080	175
Average	24	28699	0	28699	3547103	1140	2463	394	406	1154	184
Maximum	24	29897	0	29897	3695221	1188	2566	435	450	1253	192