



June 17, 2024

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

SUBJECT: PRODUCTION AND INJECTION REPORTS – MAY 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 May 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		
5/1/2024	10,177	25,203	35,380	71.2	28.8	424	1050	1474	22.3	6.5	28.8	450	24
5/2/2024	10,328	25,058	35,386	70.8	29.2	430	1044	1474	22.7	6.6	29.3	451	24
5/3/2024	10,256	24,879	35,135	70.8	29.2	427	1037	1464	22.5	6.6	29.0	451	24
5/4/2024	10,261	24,730	34,990	70.7	29.3	428	1030	1458	22.5	6.1	28.6	451	24
5/5/2024	10,318	24,623	34,941	70.5	29.5	430	1026	1456	22.6	6.5	29.2	451	24
5/6/2024	10,426	24,905	35,331	70.5	29.5	434	1038	1472	22.9	6.6	29.5	450	24
5/7/2024	10,463	24,599	35,062	70.2	29.8	436	1025	1461	23.0	6.9	29.8	451	24
5/8/2024	10,458	24,475	34,933	70.1	29.9	436	1020	1456	23.0	7.1	30.1	450	24
5/9/2024	10,576	24,209	34,785	69.6	30.4	441	1009	1449	23.3	7.2	30.4	452	24
5/10/2024	10,431	24,419	34,851	70.1	29.9	435	1017	1452	22.9	7.1	30.0	452	24
5/11/2024	10,446	24,714	35,161	70.3	29.7	435	1030	1465	22.9	7.1	30.1	450	24
5/12/2024	10,620	24,549	35,170	69.8	30.2	443	1023	1465	23.4	7.2	30.6	450	24
5/13/2024	10,409	24,628	35,037	70.3	29.7	434	1026	1460	22.9	7.0	29.9	452	24
5/14/2024	10,374	24,556	34,929	70.3	29.7	432	1023	1455	22.8	7.1	29.9	452	24
5/15/2024	10,328	24,427	34,755	70.3	29.7	430	1018	1448	22.7	7.2	29.9	455	24
5/16/2024	10,335	24,631	34,966	70.4	29.6	431	1026	1457	22.7	7.2	29.9	456	24
5/17/2024	10,392	24,267	34,659	70.0	30.0	433	1011	1444	22.8	7.0	29.8	455	24
5/18/2024	10,462	24,039	34,500	69.7	30.3	436	1002	1438	23.0	6.8	29.7	454	24
5/19/2024	10,617	23,969	34,585	69.3	30.7	442	999	1441	23.4	6.4	29.7	451	24
5/20/2024	10,529	24,238	34,768	69.7	30.3	439	1010	1449	23.1	6.9	30.0	453	24
5/21/2024	10,689	23,859	34,548	69.1	30.9	445	994	1440	23.5	6.9	30.5	454	24
5/22/2024	10,494	24,211	34,705	69.8	30.2	437	1009	1446	23.1	6.8	29.9	456	24
5/23/2024	10,467	24,144	34,611	69.8	30.2	436	1006	1442	23.0	6.8	29.7	459	24
5/24/2024	10,622	23,995	34,617	69.3	30.7	443	1000	1442	23.4	7.0	30.4	459	24
5/25/2024	10,625	24,113	34,739	69.4	30.6	443	1005	1447	23.4	7.0	30.4	460	24
5/26/2024	10,661	24,235	34,895	69.4	30.6	444	1010	1454	23.5	7.0	30.5	461	24
5/27/2024	10,571	24,329	34,900	69.7	30.3	440	1014	1454	23.3	6.9	30.2	463	24
5/28/2024	10,536	24,344	34,880	69.8	30.2	439	1014	1453	23.2	6.3	29.5	463	24
5/29/2024	11,096	24,226	35,322	68.6	31.4	462	1009	1472	24.5	6.5	31.0	458	24
5/30/2024	11,380	23,803	35,182	67.7	32.3	474	992	1466	25.2	6.6	31.8	455	24
5/31/2024	11,542	23,816	35,358	67.4	32.6	481	992	1473	25.6	6.7	32.4	457	24
Mo. Totals/Avg	326,889	756,191	1,083,080	69.8	30.2	439	1,016	1456	23.2	6.8	30.0	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)
5/1/2024			0	75	297	412	436	452	480	465	492	471
5/2/2024			0	72	296	416	437	452	479	465	493	471
5/3/2024			0	72	299	416	440	453	476	467	494	471
5/4/2024			0	74	299	416	439	452	474	464	496	471
5/5/2024			0	73	297	415	439	452	474	465	495	471
5/6/2024			0	68	300	418	442	451	479	463	497	468
5/7/2024			0	71	298	416	443	453	482	466	494	470
5/8/2024			0	76	299	420	445	450	487	464	496	468
5/9/2024			0	73	299	416	445	454	486	467	499	471
5/10/2024			0	73	297	416	444	454	484	466	492	471
5/11/2024			0	73	297	419	444	452	485	464	496	465
5/12/2024			0	72	295	419	443	452	486	464	491	467
5/13/2024			0	73	299	416	445	453	498	469	494	470
5/14/2024			0	73	300	419	444	452	540	471	491	466
5/15/2024			0	74	300	416	445	461	532	473	493	470
5/16/2024			0	70	300	420	445	464	542	473	493	467
5/17/2024			0	74	300	416	446	451	573	483	492	470
5/18/2024			0	75	299	416	436	448	576	484	489	470
5/19/2024			0	72	300	419	431	448	578	472	486	466
5/20/2024			0	72	298	419	454	451	627	476	487	467
5/21/2024			0	70	299	416	452	450	567	481	488	469
5/22/2024			0	72	300	419	449	461	641	478	486	467
5/23/2024			0	73	300	416	463	453	657	499	483	469
5/24/2024			0	73	300	420	476	456	665	495	488	466
5/25/2024			0	72	298	416	473	455	670	500	487	470
5/26/2024			0	73	298	416	481	456	694	504	484	469
5/27/2024			0	73	299	416	499	457	737	510	482	468
5/28/2024			0	74	299	415	493	458	737	510	485	469
5/29/2024			0	73	321	422	493	458	592	486	483	468
5/30/2024			0	73	326	423	503	459	564	474	484	467
5/30/2024			0	72	301	416	541	467	572	479	482	468
Monthly Average			0	72	300	417	457	454	559	477	490	469

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

DATE	GEOFUID KLB	WELL WATER KLB	RAW WATER KLB	TOTAL INJECTION		INJECTION		(R)22 GAL	R322 GAL	203 GAL	Cat-Sulf. GAL	G442 GAL	Bio- sparse GAL	NaOH GAL	Royal Purple GAL	98% Acid GAL
				KLB	GAL	KPH	GPM									
5/1/2024	35,380	0	0	35,380	4,340,669	1474	3,014	0	0	0	0	14	0	0	0	26
5/2/2024	35,386	0	0	35,386	4,341,369	1474	3,015	0	0	0	0	12	0	0	0	25
5/3/2024	35,135	0	0	35,135	4,310,626	1464	2,993	0	0	0	0	10	0	0	0	30
5/4/2024	34,990	0	0	34,990	4,292,869	1458	2,981	0	0	0	0	13	0	0	0	19
5/5/2024	34,941	0	0	34,941	4,286,794	1456	2,977	0	0	0	0	15	0	0	0	25
5/6/2024	35,331	0	0	35,331	4,334,621	1472	3,010	0	0	0	0	45	0	0	0	26
5/7/2024	35,062	0	0	35,062	4,301,627	1461	2,987	0	0	0	0	15	0	0	0	43
5/8/2024	34,933	0	0	34,933	4,285,786	1456	2,976	0	0	0	0	14	0	0	0	26
5/9/2024	34,785	0	0	34,785	4,267,650	1449	2,964	0	0	0	0	14	0	0	0	24
5/10/2024	34,851	0	0	34,851	4,275,709	1452	2,969	0	0	0	0	32	0	0	0	26
5/11/2024	35,161	0	0	35,161	4,313,765	1465	2,996	0	0	0	0	10	0	0	0	31
5/12/2024	35,170	0	0	35,170	4,314,854	1465	2,996	0	0	0	0	10	0	0	0	30
5/13/2024	35,037	0	0	35,037	4,298,602	1460	2,985	0	0	0	0	15	0	0	0	28
5/14/2024	34,929	0	0	34,929	4,285,386	1455	2,976	0	0	0	0	13	0	0	0	27
5/15/2024	34,755	0	0	34,755	4,263,994	1448	2,961	0	0	0	0	32	0	0	0	29
5/16/2024	34,966	0	0	34,966	4,289,826	1457	2,979	0	0	0	0	12	0	0	0	23
5/17/2024	34,659	0	0	34,659	4,252,206	1444	2,953	0	0	0	0	13	0	0	0	24
5/18/2024	34,500	0	0	34,500	4,232,735	1438	2,939	0	0	0	0	17	0	0	0	29
5/19/2024	34,585	0	0	34,585	4,243,176	1441	2,947	0	0	0	0	18	0	0	0	30
5/20/2024	34,768	0	0	34,768	4,265,524	1449	2,962	0	0	0	0	10	0	0	0	28
5/21/2024	34,548	0	0	34,548	4,238,600	1440	2,943	0	0	0	0	15	0	0	0	28
5/22/2024	34,705	0	0	34,705	4,257,835	1446	2,957	0	0	0	0	29	0	0	0	27
5/23/2024	34,611	0	0	34,611	4,246,292	1442	2,949	0	0	0	0	11	0	0	0	26
5/24/2024	34,617	0	0	34,617	4,247,076	1442	2,949	0	0	0	0	15	0	0	0	24
5/25/2024	34,739	0	0	34,739	4,261,969	1447	2,960	0	0	0	0	14	0	0	0	24
5/26/2024	34,895	0	0	34,895	4,281,197	1454	2,973	0	0	0	0	14	0	0	0	24
5/27/2024	34,900	0	0	34,900	4,281,749	1454	2,973	0	0	0	0	32	0	0	0	24
5/28/2024	34,880	0	0	34,880	4,279,348	1453	2,972	0	0	0	0	14	0	0	0	24
5/29/2024	35,322	0	0	35,322	4,333,530	1472	3,009	0	0	0	0	15	0	0	0	24
5/30/2024	35,182	0	0	35,182	4,316,415	1466	2,998	0	0	0	0	20	0	0	0	24
5/31/2024	35,358	0	0	35,358	4,337,923	1473	3,012	0	0	0	0	15	0	0	0	24
Total	1,083,080	0	0	1,083,080	132,879,722	45,128	92,278	0	0	0	0	528	0	0	0	822
Minimum	34,500	0	0	34,500	4,232,735	1,438	2,939	0	0	0	0	10	0	0	0	19
Average	34,938	0	0	34,938	4,286,443	1,456	2,977	0	0	0	0	17	0	0	0	27
Maximum	35,386	0	0	35,386	4,341,369	1,474	3,015	0	0	0	0	45	0	0	0	43

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		
5/1/2024	0	0	0	0	0	0	0	127	133	825	76
5/2/2024	0	0	0	0	0	0	0	147	160	810	76
5/3/2024	0	0	0	0	0	0	0	160	160	803	66
5/4/2024	0	0	0	0	0	0	0	160	160	795	74
5/5/2024	0	0	0	0	0	0	0	168	175	780	78
5/6/2024	0	0	0	0	0	0	0	160	160	773	68
5/7/2024	0	0	0	0	0	0	0	160	160	758	78
5/8/2024	0	0	0	0	0	0	0	160	160	750	78
5/9/2024	0	0	0	0	0	0	0	142	160	735	80
5/10/2024	0	0	0	0	0	0	0	143	150	735	75
5/11/2024	0	0	0	0	0	0	0	158	160	720	77
5/12/2024	0	0	0	0	0	0	0	160	160	713	70
5/13/2024	0	0	0	0	0	0	0	158	160	705	78
5/14/2024	0	0	0	0	0	0	0	160	160	698	78
5/15/2024	0	0	0	0	0	0	0	160	160	698	83
5/16/2024	0	0	0	0	0	0	0	155	155	690	80
5/17/2024	0	0	0	0	0	0	0	158	160	675	78
5/18/2024	0	0	0	0	0	0	0	160	160	675	72
5/19/2024	0	0	0	0	0	0	0	156	157	660	73
5/20/2024	0	0	0	0	0	0	0	163	165	660	76
5/21/2024	0	0	0	0	0	0	0	160	165	645	74
5/22/2024	0	0	0	0	0	0	0	160	164	645	74
5/23/2024	0	0	0	0	0	0	0	158	165	630	75
5/24/2024	0	0	0	0	0	0	0	153	155	630	75
5/25/2024	0	0	0	0	0	0	0	150	150	615	74
5/26/2024	0	0	0	0	0	0	0	151	152	615	67
5/27/2024	0	0	0	0	0	0	0	210	220	1043	69
5/28/2024	0	0	0	0	0	0	0	210	220	998	74
5/29/2024	0	0	0	0	0	0	0	217	218	975	65
5/30/2024	0	0	0	0	0	0	0	200	200	953	80
5/31/2024	0	0	0	0	0	0	0	189	200	938	70
Total	0	0	0	0	0						
Minimum	0	0	0	0	0	0	0	127	133	615	65
Average	0	0	0	0	0	0	0	163	167	753	74
Maximum	0	0	0	0	0	0	0	217	220	1043	83

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		
5/1/2024	0	0	0	0	0	0	0	0	0	60	74
5/2/2024	0	0	0	0	0	0	0	2	3	60	73
5/3/2024	0	0	0	0	0	0	0	0	0	60	73
5/4/2024	0	0	0	0	0	0	0	3	5	60	70
5/5/2024	0	0	0	0	0	0	0	3	5	60	71
5/6/2024	0	0	0	0	0	0	0	3	6	60	66
5/7/2024	0	0	0	0	0	0	0	0	0	60	76
5/8/2024	0	0	0	0	0	0	0	0	0	60	72
5/9/2024	0	0	0	0	0	0	0	4	7	60	73
5/10/2024	0	0	0	0	0	0	0	4	7	60	77
5/11/2024	0	0	0	0	0	0	0	4	7	60	64
5/12/2024	0	0	0	0	0	0	0	0	0	60	64
5/13/2024	0	0	0	0	0	0	0	0	0	60	75
5/14/2024	0	0	0	0	0	0	0	5	10	60	68
5/15/2024	0	0	0	0	0	0	0	0	0	60	77
5/16/2024	0	0	0	0	0	0	0	11	11	60	70
5/17/2024	0	0	0	0	0	0	0	11	11	60	75
5/18/2024	0	0	0	0	0	0	0	11	11	60	76
5/19/2024	0	0	0	0	0	0	0	6	12	60	70
5/20/2024	0	0	0	0	0	0	0	6	12	60	71
5/21/2024	0	0	0	0	0	0	0	6	12	60	76
5/22/2024	0	0	0	0	0	0	0	7	13	60	71
5/23/2024	0	0	0	0	0	0	0	7	13	60	79
5/24/2024	0	0	0	0	0	0	0	0	0	60	72
5/25/2024	0	0	0	0	0	0	0	15	15	45	72
5/26/2024	0	0	0	0	0	0	0	15	15	53	72
5/27/2024	0	0	0	0	0	0	0	16	16	45	65
5/28/2024	0	0	0	0	0	0	0	16	16	45	69
5/29/2024	0	0	0	0	0	0	0	17	18	53	74
5/30/2024	0	0	0	0	0	0	0	17	17	45	61
5/31/2024	0	0	0	0	0	0	0	17	17	45	68
Total	0	0	0	0	0						
Minimum	0	0	0	0	0	0	0	0	0	45	61
Average	0	0	0	0	0	0	0	7	8	57	71
Maximum	0	0	0	0	0	0	0	17	18	60	79

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		
5/1/2024	0	0	0	0	0	0	0	157	158	630	89
5/2/2024	0	0	0	0	0	0	0	164	165	615	83
5/3/2024	0	0	0	0	0	0	0	171	172	600	77
5/4/2024	0	0	0	0	0	0	0	174	174	585	75
5/5/2024	0	0	0	0	0	0	0	171	171	570	75
5/6/2024	0	0	0	0	0	0	0	155	155	555	73
5/7/2024	0	0	0	0	0	0	0	150	150	540	75
5/8/2024	0	0	0	0	0	0	0	150	150	533	78
5/9/2024	0	0	0	0	0	0	0	133	140	540	80
5/10/2024	0	0	0	0	0	0	0	129	142	645	95
5/11/2024	0	0	0	0	0	0	0	150	150	623	80
5/12/2024	0	0	0	0	0	0	0	150	150	608	74
5/13/2024	0	0	0	0	0	0	0	160	160	593	75
5/14/2024	0	0	0	0	0	0	0	167	169	585	75
5/15/2024	0	0	0	0	0	0	0	165	169	570	75
5/16/2024	0	0	0	0	0	0	0	171	172	555	80
5/17/2024	0	0	0	0	0	0	0	176	177	540	80
5/18/2024	0	0	0	0	0	0	0	175	175	698	80
5/19/2024	0	0	0	0	0	0	0	166	166	668	75
5/20/2024	0	0	0	0	0	0	0	166	166	660	75
5/21/2024	0	0	0	0	0	0	0	160	160	623	75
5/22/2024	0	0	0	0	0	0	0	160	160	608	76
5/23/2024	0	0	0	0	0	0	0	160	160	593	75
5/24/2024	0	0	0	0	0	0	0	167	170	578	75
5/25/2024	0	0	0	0	0	0	0	170	170	570	75
5/26/2024	0	0	0	0	0	0	0	175	175	555	75
5/27/2024	0	0	0	0	0	0	0	185	190	683	75
5/28/2024	0	0	0	0	0	0	0	182	188	668	75
5/29/2024	0	0	0	0	0	0	0	180	180	645	75
5/30/2024	0	0	0	0	0	0	0	173	175	630	75
5/31/2024	0	0	0	0	0	0	0	168	170	615	75
Total	0	0	0	0	0	0	0				
Minimum	0	0	0	0	0	0	0	129	140	533	73
Average	0	0	0	0	0	0	0	164	165	602	77
Maximum	0	0	0	0	0	0	0	185	190	698	95

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		
5/1/2024	24	419	0	419	51824	17	36	0	0	405	135
5/2/2024	24	325	0	325	40176	13	28	4	4	390	129
5/3/2024	24	287	0	287	35481	11	25	5	10	383	110
5/4/2024	24	243	0	243	30049	10	21	5	5	375	115
5/5/2024	24	190	0	190	23522	8	16	0	0	368	110
5/6/2024	24	270	0	270	33388	11	23	3	5	360	103
5/7/2024	24	256	0	256	31620	10	22	14	20	360	108
5/8/2024	24	276	0	276	34118	11	24	20	20	360	110
5/9/2024	24	285	0	285	35266	11	24	25	50	503	133
5/10/2024	24	297	0	297	36722	12	26	43	85	525	133
5/11/2024	24	270	0	270	33388	11	23	13	15	368	118
5/12/2024	24	256	0	256	31620	10	22	5	10	368	108
5/13/2024	24	276	0	276	34118	11	24	5	10	368	100
5/14/2024	24	285	0	285	35266	11	24	5	10	375	110
5/15/2024	24	288	0	288	35556	11	25	5	10	368	113
5/16/2024	24	297	0	297	36722	12	26	0	0	375	109
5/17/2024	24	293	0	293	36265	12	25	3	3	375	113
5/18/2024	24	295	0	295	36507	12	25	3	3	375	108
5/19/2024	24	269	0	269	33275	11	23	9	10	375	103
5/20/2024	24	283	0	283	34942	11	24	5	10	375	109
5/21/2024	24	392	0	392	48425	16	34	0	0	383	148
5/22/2024	24	269	0	269	33229	11	23	0	0	375	123
5/23/2024	24	265	0	265	32803	11	23	0	0	375	123
5/24/2024	24	267	0	267	33005	11	23	5	10	375	118
5/25/2024	24	274	0	274	33904	11	24	0	0	368	123
5/26/2024	24	288	0	288	35608	11	25	1	2	375	123
5/27/2024	24	298	0	298	36858	12	26	9	15	375	127
5/28/2024	24	302	0	302	37282	12	26	9	15	375	124
5/29/2024	24	311	0	311	38438	12	27	0	0	383	138
5/30/2024	24	290	0	290	35833	12	25	0	0	398	210
5/31/2024	24	339	0	339	41862	13	29	6	12	428	210
Total	744	8957	0	8957	1107072						
Minimum	24	190	0	190	23522	8	16	0	0	360	100
Average	24	289	0	289	35712	11	25	6	11	386	124
Maximum	24	419	0	419	51824	17	36	43	85	525	210

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		
5/1/2024	24	4635	0	4635	572830	184	398	197	210	1140	191
5/2/2024	24	4623	0	4623	571337	184	397	197	215	1125	185
5/3/2024	24	4562	0	4562	563865	181	392	203	205	1125	190
5/4/2024	24	4458	0	4458	550945	177	383	190	205	1125	183
5/5/2024	24	4394	0	4394	543048	175	377	193	195	1110	184
5/6/2024	24	4432	0	4432	547773	176	380	185	190	1103	172
5/7/2024	24	4414	0	4414	545516	175	379	178	180	1103	181
5/8/2024	24	4412	0	4412	545271	175	379	173	180	1110	186
5/9/2024	24	4235	0	4235	523482	168	364	160	190	1095	176
5/10/2024	24	4308	0	4308	532478	171	370	160	160	1095	182
5/11/2024	24	4549	0	4549	562239	181	390	194	198	1110	177
5/12/2024	24	4557	0	4557	563225	181	391	180	195	1110	169
5/13/2024	24	4580	0	4580	566069	182	393	195	200	1110	184
5/14/2024	24	4575	0	4575	565410	182	393	200	200	1110	177
5/15/2024	24	4561	0	4561	563739	181	391	195	200	1118	176
5/16/2024	24	4616	0	4616	570574	183	396	200	200	1125	179
5/17/2024	24	4549	0	4549	562183	181	390	200	200	1118	180
5/18/2024	24	4527	0	4527	559462	180	389	203	205	1118	181
5/19/2024	24	4443	0	4443	549186	177	381	198	200	1110	176
5/20/2024	24	4501	0	4501	556338	179	386	200	200	1118	179
5/21/2024	24	4491	0	4491	555093	178	385	198	200	1118	183
5/22/2024	24	4670	0	4670	577188	186	401	200	200	1118	178
5/23/2024	24	4643	0	4643	573873	185	399	200	200	1110	177
5/24/2024	24	4630	0	4630	572203	184	397	200	200	1118	173
5/25/2024	24	4646	0	4646	574242	185	399	205	210	1118	176
5/26/2024	24	4669	0	4669	577090	186	401	208	215	1118	179
5/27/2024	24	4678	0	4678	578188	186	402	213	220	1125	173
5/28/2024	24	4628	0	4628	571960	184	397	210	220	1118	173
5/29/2024	24	4693	0	4693	580041	186	403	210	220	1118	177
5/30/2024	24	4616	0	4616	570502	183	396	200	200	1110	163
5/31/2024	24	4627	0	4627	571822	184	397	200	200	1110	169
Total	744	140919	0	140919	17417172						
Minimum	24	4235	0	4235	523482	168	364	160	160	1095	163
Average	24	4546	0	4546	561844	181	390	195	200	1115	178
Maximum	24	4693	0	4693	580041	186	403	213	220	1140	191

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		
5/1/2024	24	30066	0	30066	3716015	1195	2581	184	190	960	194
5/2/2024	24	30178	0	30178	3729856	1199	2590	179	180	1005	193
5/3/2024	24	30027	0	30027	3711280	1193	2577	183	185	1005	190
5/4/2024	24	30032	0	30032	3711875	1193	2578	170	170	998	190
5/5/2024	24	30100	0	30100	3720224	1196	2583	165	175	983	167
5/6/2024	24	30369	0	30369	3753460	1207	2607	145	150	938	178
5/7/2024	24	30134	0	30134	3724491	1197	2586	145	150	968	181
5/8/2024	24	29988	0	29988	3706397	1192	2574	148	150	960	182
5/9/2024	24	30008	0	30008	3708902	1192	2576	130	140	975	181
5/10/2024	24	29989	0	29989	3706509	1192	2574	135	150	1005	182
5/11/2024	24	30083	0	30083	3718138	1195	2582	161	161	983	185
5/12/2024	24	30098	0	30098	3720009	1196	2583	153	156	1005	182
5/13/2024	24	29923	0	29923	3698415	1189	2568	153	155	975	185
5/14/2024	24	29812	0	29812	3684710	1185	2559	163	165	983	183
5/15/2024	24	29650	0	29650	3664699	1178	2545	158	160	938	184
5/16/2024	24	29795	0	29795	3682530	1184	2557	173	175	953	186
5/17/2024	24	29562	0	29562	3653758	1175	2537	170	175	983	186
5/18/2024	24	29424	0	29424	3636766	1169	2526	165	170	1013	187
5/19/2024	24	29618	0	29618	3660715	1177	2542	158	160	998	184
5/20/2024	24	29728	0	29728	3674244	1181	2552	164	167	990	181
5/21/2024	24	29411	0	29411	3635082	1169	2524	160	170	983	184
5/22/2024	24	29511	0	29511	3647418	1173	2533	165	170	983	186
5/23/2024	24	29448	0	29448	3639616	1170	2528	160	160	960	185
5/24/2024	24	29466	0	29466	3641868	1171	2529	168	170	938	181
5/25/2024	24	29562	0	29562	3653823	1175	2537	168	175	968	184
5/26/2024	24	29681	0	29681	3668499	1179	2548	175	180	990	186
5/27/2024	24	29667	0	29667	3666703	1179	2546	185	190	1005	186
5/28/2024	24	29694	0	29694	3670106	1180	2549	184	188	990	187
5/29/2024	24	30058	0	30058	3715051	1194	2580	168	175	990	180
5/30/2024	24	30018	0	30018	3710080	1193	2576	163	165	923	178
5/31/2024	24	30132	0	30132	3724239	1197	2586	164	165	923	177
Total	744	925231	0	925231	114355478						
Minimum	24	29411	0	29411	3635082	1169	2524	130	140	923	167
Average	24	29846	0	29846	3688886	1186	2562	163	167	976	183
Maximum	24	30369	0	30369	3753460	1207	2607	185	190	1013	194