

RAFT RIVER FLOW OF GEOTHERMAL FLUIDS (GALLONS)

<u>MONTH</u>	<u>RRGE-1</u>	<u>RRGE-2</u>		<u>RRGE-3</u>	<u>RRGI-4</u>
		<u>PRODUCTION</u>	<u>REINJECTION</u>		
1977					
1 January	2,600,000	600,000	0	1,240,000	
2 February	3,280,000	1,910,000	0	806,000	
3 March	3,620,000	2,430,000	0	893,000	
4 April	4,330,000	1,900,000	0	269,000	
5 May	4,014,000	185,000	0	0	
6 June	6,951,000	0	0	2,271,000	
7 July	8,276,000	0	0	10,953,000	
8 August	7,985,200	0	0	0	
9 September	6,604,101	0	0	0	
10 October	8,572,130	0	0	0	
11 November	8,332,193	0	0		
12 December	9,449,166	0	0		
1978					
January	10,712,294				
February					
March					
April					
May					
June					
July					
August					
September					
October					
November					
December					

RAFT RIVER FLOW OF GEOTHERMAL FLUIDS (GALLONS)

<u>MONTH</u>	<u>RRGE-1</u>	<u>PRODUCTION</u>	<u>RRGE-2</u> <u>REINJECTION</u>	<u>RRGE-3</u>
1975				
February	8,000,000	--	--	--
March	1,000,000	--	--	--
April	400,000	--	--	--
May	0	100,000	--	--
June	0	500,000	--	--
July	0	3,400,000	--	--
August	0	1,900,000	--	--
September	0	9,000,000	--	--
October	0	10,000,000	--	--
November	0	3,000,000	--	--
December	1,800,000	1,000,000	2,000,000	--
1976				
January	2,000,000	1,300,000	1,600,000	--
February	5,400,000	1,000,000	4,200,000	--
March	500,000	1,000,000	2,700,000	--
April	0	0	0	--
May	0	0	0	--
June	0	0	0	1,690,000
July	1,300,000	1,000,000	20,000	0
August	12,300,000	5,500,000	0	0
September	8,600,000	7,200,000	0	0
October	7,000,000	1,000,000	0	0
November	6,000,000	1,000,000	16,000	80,000
December	5,000,000	750,000	0	1,240,000
1977				
January	2,600,000	600,000	0	1,240,000
February	3,280,000	1,910,000	0	806,000
March	3,620,000	2,430,000	0	893,000
April	4,330,000	1,900,000	0	269,000

RRGE # 2 WELL CONDITIONS FLOW TEST DATA
WELL HEAD PRESSURE

DATE	TIME	TEMP OF	WELL PRESSURE (SPECIFY psia or psig)	FLOW	VOLUME (24 hrs. gal)	NOTES	INIT
9/10/77	0830	-	120 psig	-	-		CB
9/11/77	0935	-	120 psig	-	-		WB
9/12/77	0845	-	120 psig	-	-		WB
9/13/77	1135	-	120 PSIG	-	-		GC
9/14/77	0850	-	120 psig	-	-		WB
9-15	0900	-	119.5 psig	-	-		DF
9-16-77	0825	-	120 psig	-	-		WB
9-17	0915	-	120 "	-	-		DF
9-18	0855	-	119 "	-	-		DF
9-19	10 00	-	120 "	-	-		KP
9-20	09:00	-	119.5 PSIG	-	-		GC
9-21	0900	-	119.5	-	-		DF
9-22	0920	-	119.5	-	-		DF
9-23	0840	-	119.2	-	-		DF
9-24	11 15	-	119.3	-	-		DF
9-25	0840	-	119.4	-	-		KP
9-27	0930	-	118.2	-	-		HN
9-28	0940	-	119	-	-		HN
9-29	0850	-	119	-	-		HN
9-30	0840	-	118	-	-		HN
10-1	1305	-	119	-	-		DF
10-2	0910	-	118.9	-	-		DF
10-3	0940	-	119	-	-		KP
10-5	1005	-	118	-	-		DF
10-6	0905	-	119	9215	-		DF
10-7	0915	-	119	-	-		DF
10-8	0920	-	118.5	-	-		DF
10-9	0930	-	119	-	-		DF
10-10	10:00	-	118	NONE	-		GC
10-11	8:45	-	118	-	-		IA
10-12	9:50	-	119	NONE	-	freeze flow open + sampled	IA
10-13	9:00	-	119	NONE	-		IA
10-14	0910	-	120	-	-		DF
10-15	0930	-	120	-	-		DF
10-16	0930	-	120	-	-		DF

RRGE # 2 WELL CONDITIONS FLOW TEST DATA
WELL HEAD PRESSURE

* = RECORDER READING
= FREEZE LINE FLOWING

DATE	TIME	TEMP OF	WELL PRESSURE (SPECIFY psia or psig)	FLOW	VOLUME (24 hrs. gal)	NOTES	INIT
10-17	12:10	-	121	-	-		IA
10-18	09:10	-	120	-	-		IA
10-19	09:15	-	120	-	-		IA
10-20	09:15	-	121	-	-		IA
10-21	09:35	-	121	-	-		IA
10-22	0835	-	120.5	-	-		DE
10-23	0840	-	120.5	-	-	FREEZE LINE FLOWING	DE
10-24	11:00	-	120.5	-	-	" " "	RP
10-25	09:45	-	121	-	-	" " "	IA
10-26	09:35	-	121	-	-	" " "	IA
10-27	09:00	-	130	-	-	" " "	IA
10-28	09:20	-	130	-	-	" " "	IA
10-29	0900	-	130.4	-	-	RECORDER READING	DE
10-29	0910	-	130.3	-	-	* #	DE
10-31	1005	-	130.3	-	-	" "	IA
11-1	09:30	-	130.3	-	-	" "	IA
11-2	09:30	-	130	-	-	" "	IA
11-3	0855	-	130.4	-	-	*	DE
11-4	09:10	-	130.5	-	-	* #	IA
11-5	09:10	-	130.5	-	-	* #	GC
11-6	09:44	-	130.6	-	-	* #	IA
11-7	08:00	-	130.6	-	-	* #	GC
11-8	08:00	-	130.6	-	-	* #	GC
11-9	0850	-	130.7	-	-	* #	DE
11-10	0930	-	130.8	-	-	* #	DE
11-11	0845	-	130.8	-	-	* #	DE
11-12	0835	-	130.8	-	-	* #	DE
11-13	0805	-	130.8	-	-	* # RECORDER SET 1HR.	DE
11-14	0930	-	130.8	-	-		RP
11-15	0900	-	130.7 PSIA	-	-		JU
11-16	0901	-	130.6 psia	-	-	* #	DE
11-17	0832	-	130.6 PSIA	-	-	* #	DE
11-18	0825	-	130.5 PSIA	-	-	* #	DE
11-19	0925	-	130.5 PSIA	-	-	* #	DE
11-20	0940	-	134 PSIA	-	-	* #	DE

RRGE # 2 WELL CONDITIONS FLOW TEST DATA
WELL HEAD PRESSURE

DATE	TIME	TEMP OF	WELL PRESSURE (SPECIFY psia or psig)	FLOW	VOLUME (24 hrs. gal)	NOTES	INIT
11-21	0902	—	135	—	—	NONE	RJ
11-22			136.1				
11-22	09145	—	136.1 PSIA	KEEP WARM			GC
11-23	0845	—	136.6 PSIA	"			DF
11-24	0840	—	137.1	"			KP
11-25	0835	—	137.4	"			KP
11-26	1045	—	137.7	"		B.P. #85 - #50 ADJ.	DF
11-27	0820	—	137.9	"			DF
11-28	0907	—	138	"	—		PCW
11-29	0930	—	138.2	"			LH
11-30	0915	—	138.3	"		B.P. ADJ. #40 - #50	DF
12-1	0855	—	138.3	"	—		DF
12-2	0825	—	138.3	"	—		DF
12-3	0915	—	138.4	"			DF
12-4	0900	—	138.4	"			DF
12-5	0930	—	138.4	"			KP
12-6	10:	—	138.4	"			LH
12-7	0920	—	138.4	"			DF
12-8	0840	—	138.4	"			DF
12-9	0730	—	138.5	"			DF
12-10	0845	—	138.6	"			DF
12-11	0855	—	138.6	"			DF
12-12	0910	—	138.6	"			LH
12-13	930	—	138.6	"			LH
12-14	0825	—	138.6	"		BP ADJ. #60 - #50	DF
12-15	0855	—	138.6	"			DF
12-16	0855	—	138.6	"		BP ADJ #40 - #50	DF
12-17	0855	—	138.5	"			DF
12-18	0900	—	138.5	"		BP #53	DF
12-19	0920	—	138.5	"		BP 55 PSIG	GC
12-20	0930	—	138.5	"		B.P. 55 PSIG	GC
12-21	0829	—	138.4	"		B.P. #50 "SAMPLED"	DF
12-22	0834	—	138.3	"			DF
12-23	0827	—	138.3	"		B.P. #93 - #50	DF
12-24	0900	—	138.2	"		40 - 50	LH
12-25	0900	—	138.2	"		50	LH

RRGE # 2 WELL CONDITIONS FLOW TEST DATA
WELL HEAD PRESSURE

DATE	TIME	TEMP OF	WELL PRESSURE (SPECIFY psia or psig)	FLOW	VOLUME (24 hrs. gal)	NOTES	INIT
12-26	0940	→	138.1	KEEP WARM	—	50 psi	LV
12-27	0940	—	138.1 psia	" "	—	50 PSIG	GC
12-28	0750	—	138.0	" "	—	50	DF
12-29	0740	—	124 PSIG	" "	—	B.P. 50 PSIG	DF
12-30	0825	—	128 "	" "	—	" " "	DF
12-31	0920	—	128 "	" "	—	" " "	DF
1-1-78	0840	—	128 "	" "	—	" " "	LV
1-2-78	0800	—	128 "	" "	—	" " "	LV
1-3-78	09:30	—	128.5 "	" "	—	52 PSIG B.P.	GC
1-4	0850	—	128	" "	—	50 " " "	DF
1-5	1328	—	128	" "	—	50 " " "	DF
1-6	0832	—	128	" "	—	50 " " "	DF
1-7	1033	—	128	" "	—	50 " " "	DF
1-8	1027	—	128	" "	—	50 " " "	DF
1-9	1300	—	128.5 psig	" "	—	52 PSIG B.P.	GC
1-10	10:00	—	128.5 "	" "	—	52 " " "	GC
1-11	1010	—	128	" "	—	50 " " "	DF
1-12	01000	—	128.5	" "	—	50 " " "	LV
1-13	0835	—	128	" "	—	50 " " "	DF
1-14	1010	—	128	SHUT-IN &	DRAINED	50 " " "	DF
1-15	0947	—	124	" "	—	50 " " "	DF
1-16	0930	—	122	" "	—	50 " " "	LV
1-17	1000	—	122	" "	—	48 → 50 " "	LV
1-18	0902	—	122	" "	—	50 USGS LOGGING	DF
1-19	0836	—	~122	" "	—	50 " "	DF
1-20	0840	—	120	" "	—	50 " "	DF
1-21	0935	—	120	" "	—	50 " "	DF
1-22	0830	268.0	12 PSIG - 61	AP 10.7	FREEZE LINE OPEN	0824 OPEN - 1245 SHUT	DF
1-23	0943	—	134	—	—	50	LV
1-24	1140	—	130	—	—	50	LV
1-25	0920	—	125	—	—	" B.P.	DF
1-26	0930	—	124.9	—	—	" B.P.	DF
1-27	0850	—	124.3	—	—	" B.P.	DF
1-28	1043	—	129	—	—	" B.P.	DF
1-29	0730	—	129.5	—	—	" B.P.	DF

RRGE # 2 WELL CONDITIONS FLOW TEST DATA
WELL HEAD PRESSURE

DATE	TIME	TEMP OF	WELL PRESSURE (SPECIFY psia or psig)	FLOW	VOLUME (24 hrs. gal)	NOTES	INIT
1-30	11:14		128.5 psig	Freeze Flow		50 psi	LU
1-31	09:30		128. psig	"		50	LU
2-1	1005		129 "	"		50 B.P.	DF
2-2	0850		128 "	"		35 B.P. ADJ. = 50	DF
2-3	0915		129.5 "	"		53 B.P.	DF
2-4	0945		128	"		50 B.P.	DF
2-5	0940		128	"		TRANS-LINE OFF	DF
2-6	1025		128	"		"	LU
2-7	0915		125 - 133.9	"		"	LU
2-8	0920		123 - 132.2	SHUT-IN			DF
2-9	0830		122 - 131.2	"			DF
2-10	0820		0 - 130.4	"			DF
2-11	0847		128 PSIG	FREEZE	LINE	OPEN 1300 2-10-78	DF
2-12	0920		130 "	"	"	"	DF
2-13	10:10		131.5 "	Freeze Flow			LU
2-14	10:00		132.0 "	"	"		LU
2-15	0905		132	"	"	SAMPLED	DF
2-16	0853		133	"	"		DF
2-17	0842		133	"	"		DF
2-18	0849		134	"	"		DF
2-19	1345		134.5	"	"		DF
2-20	0815		134.5	"	"		DF
2-21	1000		135.0	"	"		LU
2-22	1015		135.0	"	"		LU
2-23	0913		136.0	5.54 GPM		SAMPLED	DF
2-24	0825		136.0	"	"		DF
2-25	0916		145.0 PSIA	"	"		DF
2-26	0855		144.4 "	"	"		DF
2-27	11:00		137 142.8	"	"		LU
2-28	9:30		138.0	"	"		LU
3-1	1445		141.8	"	"	SAMPLED	DF
3-2	0740		141.7	"	"		DF
3-3	0821		144.5	"	"		DF
3-4	1715		147.7	"	"	TRANS. Fm #1	DF
3-5	0906		146.3	"	"	"	DF
3-6	0930		134.0	"	"	"	DF

RRGE # 2 WELL CONDITIONS FLOW TEST DATA
WELL HEAD PRESSURE

DATE	TIME	TEMP OF	WELL PRESSURE (SPECIFY psia or psig)	FLOW	VOLUME (24 hrs. gal)	NOTES	INIT
3-7-78	0912		132.6	Frangible liner			LU
3-8	0813		145.8	"		SAMPLED	DE
3-9	0831		146.04	"			DE
3-10	0848		147.3	"			DE
3-11	0924		151.1	"			DE
3-12	0849		147.5	"			DE
3-13	0920	148.2	147.3	"			LU
3-14	0920		146.9	"			LU
3-15	0851		148.4	"		SAMPLED	DE
3-16	0828	-	154.9	"			DE
3-17	0826	-	152.6	"			DE
3-18	0835	-	143.9	"			DE
3-19	0922	-	153.3	"			DE
3-20	0958		144.1	"			LU
3-21	0948		151.8	"			LU
3-22	0914		149.5	"			LU
3-23	1845		138.9	"			LU
3-24	1750		147.6	"			KP
3-25	1140		134.5	"			KP
3-26	0755		135.6	"			KP
3-27	1115		130.4	"			LU
3-28	1100		141.8	"			LU
3-29	0906		-	"		NO POWER	-
3-30							
3-31							
4-1	0758	-	-	-		Shut-in	DE
4-2	0743	-	-	-		" "	DE
4-5	0730	-	-	-		" " Pump INSTR	DE
4-6	0730	-	-	-		" "	DE
4-7	0800	-	-	-		" "	DE
4-8	0744	-	-	-		" "	DE
4-9	0843	-	-	-		" "	DE
4-10	0910	-	-	-			WB
4-11	0910	-	-	-			WB
4-12	0830	-	-	-		Shut-in	DE

RRGE # 2 WELL CONDITIONS FLOW TEST DATA
WELL HEAD PRESSURE

DATE	TIME	TRMP OF	WELL PRESSURE (SPECIFY psia or psig)	FLOW	VOLUME (24 hrs. gal)	NOTES	INIT
4-13	0735	-	-	-	-	Shut-IN-Pump INSTR.	DR
4-14	0756	-	-	-	-	" "	DR
4-15	0955	-	-	-	-	" "	DR
4-16	0826	-	-	-	-	" "	DR
4-17	0730	-	-	-	-	" "	LU
4-18	0830	-	-	-	-	-	LU
4-19	0750	-	-	-	-	Shut-IN	DR
4-20	0840	-	-	-	-	Shut in	WB
4-21	0745	-	-	-	-	" "	DR
4-22	0927	-	-	-	-	" "	DR
4-25	0800	-	-	-	-	" "	LU
5-5	1000	254	126 psig	≈ 50	-	well flowing to vent	WB
5-6	0900	-	-	≈ 100	-	Heat Line pump shift	WB
5-7	0900	-	-	≈ 100	-	" "	WB
5-8	0730	-	-	100	-	" "	LU
5-9	0800	-	-	100	-	-	WB
5-10	0730	-	-	100	-	Flowing to #1	LU
5-11	0800	-	-	-	-	bubbler 250 PSI	LU
5-15	0800	180	back pressure	-	-	Shut in	WB
5-16	0925	-	180 back pressure	-	-	Shut in	WB
5-17	0910	197	195 back pressure	-	-	Shut in	WB
Reinjection 5-17 about 1100pm							
5-18	0815	276°	225 bubbler	380 back pressure	-	AP=2 1/2	WB
5-19	0808	-	310 bubbler	180 back pressure	-	Reinjection ended	WB
5-12	0820	-	-	-	-	INSTRUMENTS REMOVED	DR
5-22	1040	-	-	185 back pressure	-	-	WB
5-23	0820	-	-	192 "	-	-	WB
5-24	0810	-	180 psig	-	ANALYS 123	-	64
5-25	0745	-	180 psig	-	124	-	WB
5-26	1100	-	180 psig	-	125	-	WB
5-27	0930	-	-	-	124	-	LU
5-28	0830	255F	180 psig	-	-	-	DR
5-29	1545	227F	154 "	-	-	-	DR
5-30	0900	233	210 "	-	-	-	LU

RRGE # 2 WELL CONDITIONS FLOW TEST DATA
WELL HEAD PRESSURE

DATE	TIME	TEMP OF	WELL PRESSURE (SPECIFY psia or psig)	FLOW	VOLUME (24 hrs. gal)	NOTES	INIT
5-31	0840	276	152 bubble	3.0		275 back pressure	WB
6-1	1000	277	112	2.9		242 back pressure	WB
6-2	0820	277	93	2.9		215 back pressure	WB
6-3	0940	277	94	2.9		200 Back pressure	TW
6-4	14:55	278	69.5	2.9		190 Back pressure	TW
6-5	0841	278	75.5	2.9		200 back pressure	LH
6-6	1025	277	65	3.0		170	WB
6-7	1000	277	60 ^{line pressure} bubble	3.0		150	WB
6-8	0910	277	68 line 705	583.0		170 pump discharge	WB
6-9	1020	—	bubbles - 350	bubble	89-annulus	Shut in	WB
6-10	2012	—	420 Bubbles	100=pump discharge	Shut in	155 B.P.	WB
6-11	1255	—	425 Bubbles	150 pump discharge	Shut in	150 B.P.	WB
6-12	0930	—	annulus 110 1/2	bubbles = 432	160 = discharge		WB
6-13	0730	—	bubbles 436	Annulus 113	B.P. 170		WB
6-14	0750	—	bubbles 437	Annulus 114	Pump Dis. 170		WB
6-15	0820	—	439	Annulus 115	pump dis 172		WB
6-16	0915	—	bubble 438	Annulus 116	pump dis 172		WB
6-18	0950	—	438	Annulus 115	" " 173		WB
6-19	0815	—	439	116	173		WB
6-20	0750	—	441	117	173		WB
6-21	0800	line press =	78 bubble 450	Annulus 136	flowing well to full pit & discharge	89	WB
6-22	0740	—	79 451	137	pump 190		WB
6-23	0750	—	81 450	137	190		WB
6-24	0800	—	82 451	137	191		WB
6-25	0815	—	81 453	137	191		WB
6-26	0750	—	83 455	137	191		WB
6-27	0752	—	84 453	138	Flow stopped 1500 2-40 gpm	192	WB
6-28	0755	—	0 456	136		194	WB
6-29	0807	—	0 451	131		190	WB
6-30							
7-1	1730	—	443 ^{PSIA}			191	WB
7-2	2005	—	440 ^{PSIA}			192	WB
7-5	0830	—	440 Bubbles			180	LH
7-6	0850	—	442 Bubbles	Annulus = 120		180	LH

RRGE # 2 WELL CONDITIONS FLOW TEST DATA
WELL HEAD PRESSURE

DATE	TIME	TEMP OF	WELL PRESSURE (SPECIFY psia or psig)	FLOW	VOLUME (24 hrs. gal)	NOTES	INI
7-7	0815	455	198 back pressure		139		WB
7-7	1600					OPENED WELL - FILL PIT	DE
7-8	0850	388	88 back pressure		75		WB
7-9	0730	445	186 back pressure		129		WB
7-9	0845	447	185		129		WB
7-11	0730	449	183		136		WB
7-12	0715	450	182		124		WB
7-13	0730	445	180 BACK PRESSURE		123		WB
7-14	0740	269°	115 psi	50 PSI		Flow to fill pit	WB
7-15	0900						
7-16	0750		180		123		WB
7-17	0730	448	182		125		WB
7-18	0740	449	182		123		WB
7-19	0755	448	180		122		WB
7-20	0735	445	180		121		WB
7-21	0845	445	180		121		WB
7-22	0800	445	180		120		WB
7-23	0820	444	180		119		WB
7-24	0725	445	180		119		WB
7-25	0745	445	180		119		WB
7-26	0720	445	179		119		WB
7-27	0805	444	179		119		WB
7-28	0735	445	178		119		WB
7-28	0840	255°	180 BP	line pressure 2.5	120	slight flow to fill no flow MP. fast #3	WB

Flow to fill pit

slight flow to fill
no flow MP. fast #3

Date	Time	Temp °F	Well Pressure (specify psia or psig)	Flow	Volume (24 hrs, gal)	Notes	Initial
8/9	07:30	-	129.8 psia	-	-		TR
8/10	08:35	-	129.7 psia	-	-		TR
8/11	07:45	-	129.6 psia	-	-		TR
8/12	07:40	-	129.6	-	-		TR
8/13	0805	-	129.5 psia	-	-		WB
8/14	0800	-	129.2 psia	-	-		WB
8/15	0800	-	129.0 psia	-	-		WB
8/16	0800	-	128.0 psia	-	-		WB
8/17	0805	-	120.6 psia	-	-		WB
8/18	07:30	-	128.8	-	-		TR
8/19	08:05	-	120.0 psig	-	-		TR
8/20	0825	-	120.0 psig	-	-		TR
8/21	07:55	-	120.0 psig	-	-		TR
8/22	08:00	-	119.5 psig	-	-		TR
8/23	07:40	-	119.5 psig	-	-		TR
8/24	07:50	-	120.0 psig	-	-		TR
8/25	07:30	-	119.0 psig	-	-		TR
8/26	08:30	-	119.8 psig	-	-		WB
8/27	08:38	-	119.9 psig	-	-		WB
8/28	08:31	-	119.5 psig	-	-		WB
8/29	0810	-	119.3 psig	-	-		WB
8/30	0735	-	133 psig	-	-		WB
8/31	0755	-	126 psig	-	-		WB
9/1	0855	-	123.8 psig	-	-		WB
9/2	0830	-	123.0	-	-		WB
9/3	0845	-	122.0	-	-		DF
9/4	0925	-	121.0	-	-		DF
9-5	0915	-	120.5	-	-		DF
9-6	0600	-	120	-	-		XP
9-7	0930	-	120	-	-		HN
9-8	0835	-	120	-	-		HN
9-9	0920	-	120	-	-		DF

well flowed 8/29 for
"allied" water sample
collection

RRGE #2 Well Data

Date	Time	Temp °F	well pressure	Flow	Volume (cyls, gal)	Notes	init
6-21	9:00 AM	-	134.0 psia	0	0		gml
6-22	9:05 AM	-	133.8 psia	0	0		gml
6-23	7:45 AM	-	133.8 psia	0	0	Water from #1 pit diverted to #2	gml
6-24	7:50 AM	-	133.6 psia	0	0		gml
6-25	7:35	-	133.6 psia	0	0		TR
6-26	8:40	-	133.5 psia	0	0		TR
6-27	07:55	-	133.4 psia	0	0		TR
6-28	07:45	-	133.3 psia	0	0		TR
6-29	07:50	-	133.3 psia	0	0	TR	
6-30	08:05	-	133.3 psia	0	0	TR	
7-1	08:10	-	132.9 psia	0	0		gml
7-2	07:45	-	132.7 psia	0	0	Power out at 06:21 Power out at ~ 18:00	gml
7-3	07:50	-	132.6 psia	0	0		gml
7-4	09:10	-	132.6 psia	0	0	gml	
7-5	08:10	-	132.3 psia	0	0	gml	
7-6	08:35	-	132.3 psia	0	0	TR	
7-7	08:05	-	132.2 psia	0	0	TR	
7-8	07:55	-	132.1 psia	0	0	TR	
7-9	07:55	-	132.0 psia	0	0	TR	
7-10	07:50	-	131.9 psia	0	0	TR	
7-11	10:10	-	131.8 psia	0	0	TR	
7-12	10:00	-	131.7 psia	0	0	TR	
7-13	10:30	-	131.6 psia	0	0	TR	
7-14	09:15	-	131.5 psia	0	0	WB	
7-15	09:40	-	131.4 psia	0	0	TR	
7-16	10:00	-	131.3 psia	0	0	WB	
7-17	09:30	-	131.2 psia	0	0	WB	
7-18	10:00	-	131.1 psia	0	0	WB	
7-19	13:40	-	130.9 psia	0	0	WB	
7-20	9:10	-	130.8 psia	0	0	TR	
7/21	08:00	-	130.5 psia	0	0	WB	
7/22	08:10	-	130.3 psia	0	0	TR	
7/23	08:05	-	130.0 psia	0	0	TR	
7/24	09:10	-	129.9 psia	0	0	TR	
7/25	07:40	-	129.8 psia	0	0	TR	
7/26	08:00	-	129.6 psia	0	0	TR	
7/27	07:40	-	129.6 psia	0	0	TR	
7/28	07:35	-	129.6 psia	0	0	TR	
7/29	07:50	-	129.6 psia	0	0	TR	
7/30	08:00	-	129.6 psia	0	0	WB	
7/31	08:30	-	129.6 psia	0	0	WB	
8/1	08:05	-	129.6 psia	0	0	WB	
8/2	08:00	-	129.5 psia	0	0	WB	
8/3	07:45	-	129.8 psia	0	0	TR	
8/4	07:40	-	130.0 psia	0	0	TR	
8/5	08:40	-	130.3 psia	0	0	TR	
8/6	07:45	-	130.2	0	0	TR	
8/7	08:40	-	130.1	0	0	TR	
8/8	07:40	-	129.9	0	0	TR	

RRGE #2 WELL DATA

DATE	TIME	TEMP OF	WELL PRESSURE (psig, except as noted)	FLOW	VOLUME (24hrs, gal)	Notes	INITIALS
5-1-77	08:30	267.5	53	~300gpm	185,000	Well shut in 10:15	TR
5-2-77	08:35	-	142	0	0		TR
5-3-77	08:30	-	140	0	0		TR
5-4-77	08:35	-	139	0	0		TR
5-5-77	09:05	-	138	0	0		TR
5-6-77	06:40	-	137	0	0		TR
5-7-77	09:20	-	137	0	0		TR
5-8	09:30	-	136	0	0		TR
5-9	09:00	-	136	0	0		TR
5-10	10:30	-	136	0	0		TR
5-11	09:00	-	134	0	0		TR
5-12	08:30	-	133	0	0		TR
5-13	09:40	-	133	0	0		TR
5-14	09:50	-	133	0	0		TR
5-15	06:50	-	132	0	0		TR
5-16	09:05	-	132	0	0		TR
5-17	08:40	-	131.5	0	0		TR
5-18	08:50	-	131.0	0	0		TR
5-19	09:10	-	131.0	0	0		TR
5-20	06:45	-	130.5	0	0		TR
5-21	09:30	-	130.6	0	0		TR
5-22	09:00	-	125	0	0		TR
5-23	0:9:00	-	130	0	0		TR
5-24	0:9:00	-	130	0	0		TR
5-25	09:10	-	130	0	0		TR
5-26	09:05	-	129.5	0	0		TR
5-27	08:35	-	129.5	0	0		TR
5-28	09:15	-	129.5	0	0		TR
5-29	11:30	-	129.0	0	0		TR
5-30	9:20	-	128.0	0	0		TR
5-31	08:50	-	128.0	0	0		TR
6-1	08:50	-	127.5	0	0		TR
6-2	08:35	-	127.5	0	0		TR
6-3	07:10	-	127.5	0	0		TR
6-4	08:30	-	123.5	0	0		TR
6-5	09:45	-	127	0	0		TR
6-6	10:30	-	136 AB psig	0	0		TR
6-7	9:00	0	136 psig	0	0		TR
6-8	9:45	-	136 psig	0	0		TR
6-9	08:45	-	135.6 psig	-	-		TR
6-10	09:00	-	135.4 psig	-	-		TR
6-11	09:30	-	135.3 psig	-	-	Power out at well head 16:40	TR
6-12	09:30	-	-	-	-		TR
6-13	09:50	-	-	-	-		TR
6-14	07:10	-	134.9 psig	0	0		TR
6-15	09:00	-	134.7 psig	0	0		TR
6-16	08:50	-	134.5 psig	0	0		TR
6-17	06:50	-	134.5 psig	0	0		TR
6-18	09:30	-	134.3 psig	0	0		TR
6-19	08:35	-	134.2 psig	0	0		TR
6-20	10:00	-	134.1 psig	0	0		TR

RRGE #2 WELL CONDITIONS

DATE	TIME	TEMP °F	PRESSURE	FLOW	COMMENTS	INITIALS
3-19-77	10:00	235	161.9 psia	~ 20gpm		T.R.
3-20	09:15	233	162.4 psia	"		DF
3-21	09:00	234	162.8 psia	~ 20 gpm	Well opened 12:00 200gpm	RJ
3-22	09:45	232	123.4 psia	200gpm	Well shut in 12:00	TR.
3-23	09:10	236	160.3 psia	~ 20gpm		TR.
3-24	09:30	229	162.0 psia	"		T.R.
3-25	09:30	226	162.5 psia	"		T.R.
3-26	09:45	228	162.8 psia	"		RS
3-27	09:30	226	163 psia	"		DF
3-28	8:30	222	163 psia	"		RJ
3-29	8:30	228	163 psia	"		RJ
3-30	9:00	232	153	"		TR.
3-31	8:30	228	153	"		T.A.
4-1	09:00	230	153	"		T.R.
4-2	08:45	229	153.5	"		T.R.
4-3	07:15	229	153.5	"		T.R.
4-4	08:45	230	154.0	"		T.R.
4-5	08:45	225	154.0	"		T.R.
4-6	08:55	227	154.5	"		T.R.
4-7	08:50	226	154.5	"		
4-8	07:00	224	154.5	"		T.R.
4-9	0830	223	154.4	"		KP
4-10	0830	232	152.6	"		DF
4-11	15:30	231	154.5	"		GC
4-12	10:00	232	154.5	"		GC
4-13	09:00	231	154.5	"		TR.
4-14	08:40	229	154.5	"		T.R.
4-15	08:50	231	154.5	"		T.R.
4-16	08:45	228	154.5	"		T.R.
4-17	09:00	229	154.5	"		T.R.
4-18	09:00	232	154.5	"		TR.
4-19	09:00	229	154.5	"		T.R.
4-20	09:00	230	155.0	"		T.R.
4-21	09:10	230	154.5	"		T.R.
4-22	07:05	228	154.5	"	Well opened 16:00-2000 150gpm, 2130-3000	T.R.
4-23	07:15	118	60	~ 300gpm	WELL OPEN FOR FLOW IN low 300gpm Flow from #1 well diverted, around	DF
4-24	0930	144	140	~ 15	CLOSED IN 0030	DF
4-25	09:00	-	140	-	" "	RS
4-26	09:00	229 99	141	Closed in	Well opened 9:30 ~ 300gpm	JY
4-27	09:10	267	55	~ 300gpm	Well closed in by Greg Mins 11:00	TR
4-28	08:40	No Flow	142	No Flow		TR
4-29	09:30	No Flow	141	No Flow		TR
4-30	08:20	No Flow	140	No Flow	Well opened 850 ~ 300gpm	TR
5-1	08:30	267.5	53	~ 300gpm	Well closed in 10:15	TR
5-2	08:35	No Flow	142	No Flow		TR
5-3	08:30	No Flow	140	No Flow		TR

RRGE #2

Date	Time	Temp °F	Well Pressure	Flow	Comments	Initial
10-14-76	-	-	-	~20 gpm	1/2 line opened to prevent freezing	
2-2-77	08:30	-	151 psig	"		TR
2-3-77	09:00	-	151 psig	"		TR
2-4	08:30	-	151 psig	"		TR
2-5	08:30	-	151 psig	"		TR
2-6	09:00	-	151 psig	"		TR
2-6	14:30	225	151 psig	"	Thermo couple installed	TR
2-7	13:30	221	151 psig	19.19	Sample taken/flow accurately measured	TR
2-7	19:00	216				
2-8	08:00	224	151 psig	"		TR
2-9	08:00	225	151 psig	"		TR
2-10	08:00	225	151 psig	"		TR
2-11	08:40	224	151 psig	"		TR
2-12	08:45	223.7	150 psig	"		DF
2-13	06:50	229	150 psig	"		VP
2-14	08:00	229	150 psig	"		RS
2-15	09:30	216	151 psig	"		LU
2-16	08:10	229	162.6 psia	"	Quartz pressure readout installed	TR
2-17	08:20	222	162.7 psia	"	Well flowing 200 gpm Moon 17th to Moon 18th	TR
2-18	07:00	264	129.4 psia	200 gpm	Well being logged & flowed	TR
2-19	07:40	222	160.5 psia	19.2 gpm		TR
2-20	07:45	227	161.8 psia	"	Well flowing 300 gpm starting 12:00	TR
2-21	07:30	226	162.2 psia	"		TR
2-22	08:15	208	89.3 psia	300 gpm	Well shut in 12:00	TR
2-23	07:45	223	157.6 psia	19.2 gpm		TR
2-24	07:50	229	160.6 psia	"		TR
J-25	08:15	223	161.6 psia	-	STARTED FLOWING @ 350 GPM AT 18:00	DF
2-26	07:00	270	80.3 psia	350 GPM	FLOWING @ 350 gpm -	DF
2-27	08:00	222	191 psia	-	WELL SHUT IN AT 18:00	LU
2-28	10:00	231/218	147 psia	20 gpm	"	RS
3-1-77	08:10	220	148 psia	20	"	RS
3-2-77	08:00	230	161.7 psia	20 gpm	"	TR
3-3-77	08:00	228	162.1 psia	20 gpm	Well flowing 250 gpm 12:10	TR
3-4-77	08:30	268	107.7 psia	250 gpm	Well shut in 12:00	TR
3-5-77	09:00	238	158.0 psia	20 gpm		TR
3-6-77	07:10	231	161.1 psia	20 gpm		TR
3-7-77	08:05	231	162.0 psia	"		TR
3-8-77	09:30	230	162.4 psia	350 gpm	Well opened 12:00 at 350 gpm	T.R.
3-9-77	08:30	271	75.6 psia	350 gpm	Well shut in 12:00	T.R.
3-10-77	08:00	231	156.5 psia	20 gpm		T.R.
3-11-77	07:35	231	160.3 psia	"		T.R.
3-12	09:30	233	161.4 psia	"		DF
3-13	09:30	233	162.1 psia	"		DF
3-14	09:00	225	162.4 psia	"	#2 opened 400 gpm 12:00	LU
3-15	09:00	260	260	"	Flow shut down 08:00	LU
3-16	09:15	232	157.5 psia	"		T.R.
3-17	09:10	229	160.6 psia	"		T.R.
3-18	10:40	269	149.6 psia	"	Well flowing 500 gpm 8:36 → 10:21	T.R.
3-21	9:00					