

Table B. Pumping Test Data, Pumping Well, Railroad Valley South (RR-S-T-1).

<u>Date</u>	<u>Time</u>	<u>Depth to Water below Reference Point¹, feet</u>	<u>Discharge, gpm</u>	<u>Remarks</u>
1980				
8/24	2100	233.42		
8/25	0640	233.67		
	0718	233.68		
	0754	233.67		Static water level
	0800			Pumping started, Step 1
	0802	234.67	40	Discharge measured with
	0804	234.64		bucket and stop watch.
	0806	234.94	60	
	0808	235.01		
	0810	235.06		
	0815	235.13		
	0820	235.24		
	0825	235.28	71	
	0830	235.25		
	0835	235.24	67	
	0840	235.27	67	
	0850	235.27	67	
	0900	235.27		
	0910	235.28		
	0920	235.28	67	
	0930	235.26	75	
	0940	235.21	74	
	1000	235.20	74	
	1030	235.27	77	
	1100	235.23	75	
	1130	235.23	77	
	1200	235.21	75	
	1230	235.17	74	
	1300	235.15	75	
	1302	236.35		Step 2, pumping increased
	1304	236.47	143	Discharge measured with
	1306	236.52		3 x 4-inch pipe orifice.
	1309	236.52		
	1310	236.60		
	1315	236.66	143	
	1320	236.73	145	
	1325	236.75	145	
	1330	236.77	145	
	1335	236.86	145	
	1340	236.77	145	
	1350	236.78	145	
	1400	236.78	143	
	1410	236.80	145	
	1420	236.81	145	
	1430	236.81	145	

Table B. Pumping Test Data, Pumping Well, Railroad Valley South (RR-S-T-1) (cont'd).

<u>Date</u>	<u>Time</u>	<u>Depth to Water</u> <u>below Reference Point¹,</u> <u>feet</u>	<u>Discharge,</u> <u>gpm</u>	<u>Remarks</u>
8/25	1440	236.80	144	
	1500	236.79	145	
	1530	236.81	145	
	1600	236.80	145	
	1630	236.82	145	
	1700	236.83	145	
	1730	236.83	145	
	1800	236.81	145	
	1802	238.22	224	Step 3, pumping increased
	1804	238.36		
	1806	238.41		
	1808	238.45	224	
	1810	238.50		
	1815	238.55	224	
	1820	238.60	224	
	1825	238.61	224	
	1831	238.61	224	
	1835	238.64	224	
	1840	238.68	224	
	1850	238.69	225	
	1900	238.69	225	
	1910	238.70	224	
	1920	238.68	224	
	1930	238.71		
	1940	238.72		
	2000	238.73	225	
	2030	238.74	225	
	2100	238.73	224	
	2130	238.77	224	
	2200	238.78	224	
	2230	238.79	224	
	2300	238.79	224	
	2302	239.97		Step 4, pumping increased
	2304	240.09		
	2306	240.15		
	2308	240.21		
	2310	240.25	303	
	2315	240.30	303	
	2320	240.33	303	
	2325	240.35	303	
	2330	240.35	303	
	2335	240.35	303	
	2340	240.38	303	
	2350	240.40	303	
8/26	0000	240.38	303	

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<u>Date</u>	<u>Time</u>	<u>Depth to Water below Reference Point¹, feet</u>	<u>Discharge, gpm</u>	<u>Remarks</u>
8/26	0010	240.39		
	0020	240.40	303	
	0030	240.39	303	
	0040			
	0130	240.39	303	
	0200	240.40	303	Pumping stopped
	0201	233.12		
	0202	234.14		
	0203	234.80		
	0204	234.73		
	0206	234.56		
	0208	234.38		
	0210	234.32		
	0215	234.13		
	0220	234.03		
	0230	233.93		
	0235	233.89		
	0241	233.87		
	0250	233.85		
	0300	233.84		
0330	233.84			
9/4	1142	233.75		
	1315	233.59		Pumping started
	1317	240.99		Discharge measured with in-line flow meter
	1319	241.30		
	1321	241.57		
	1323	241.80	375	
	1325	241.97		
	1330	242.29	400	
	1335	242.42	395	
	1340	242.48		
	1345	242.51	393	
	1350	242.57		
	1355	242.61		
	1405	242.63	408	
	1415	242.63	389	
	1425	242.69	390	
	1435	242.73	400	
	1445	242.68	393	
	1455	242.65		
1515	242.66	600	Increase pumping	
1517	246.89	575		
1519	247.17	600		

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<u>Date</u>	<u>Time</u>	<u>Depth to Water below Reference Point¹, feet</u>	<u>Discharge, gpm</u>	<u>Remarks</u>
9/4	1521	247.32	575	
	1523	247.41	600	
	1525	247.51	725	
	1530	247.65	530	
	1535	247.74	600	
	1540	247.79	590	
	1545	247.84	590	
	1550	247.85	590	
	1555	247.85	590	
	1605	247.92	595	
	1615	247.95	595	
	1625	247.95	600	
	1635	247.97	586	
	1645	247.99	595	
	1655	248.07	595	
	1715	248.07	598	
	1717	250.73	700	
	1719	251.01	700	Increase pumping
	1721	251.24	725	
	1723	251.29	725	
	1725	251.38	700	
	1730	251.50	710	
	1735	251.84	720	
	1740	251.96	700	
	1745	251.99	720	
	1750	252.15	720	
	1755	252.11	720	
	1805	252.11	715	
	1815	252.11	720	
	1825	252.17	715	
	1835	252.19	720	
	1845	252.19	715	
	1855	252.15	715	
	1915	252.00	710	Pumping stopped
	1920	235.70		
	1921	235.60		
	1924	235.12		
	1931	234.54		
	1935	234.25		
	1941	233.90		
	1945	233.84		
	1959	233.62		Static water level
	1959			Pumping started
	1952	247.34		Constant discharge test

Table B. Pumping Test Data, Pumping Well, Railroad Valley South (RR-S-T-1) (cont'd).

<u>Date</u>	<u>Time</u>	<u>Depth to Water below Reference Point¹, feet</u>	<u>Discharge, gpm</u>	<u>Remarks</u>
9/21	1404	248.59	730	
	1406	249.12	730	
	1408	249.59	730	
	1410	249.81	730	
	1415	250.33	730	
	1420	250.56	730	
	1425	250.80	730	
	1430	251.00	730	
	1435	251.12	730	
	1440	251.23	730	
	1450	251.44	730	
	1500	251.49	730	
	1510	251.54	730	
	1520	251.59	730	
	1530	251.59	730	
	1540	251.59	730	
	1600	251.63	740	
	1620	251.74	740	
	1640	251.77	740	
	1700	251.79	740	
	1730	251.87	740	
	1800	251.89	740	
	1830	252.02	740	
	1900	252.04	740	
2000	252.05	740		
2100	252.08	740		
2200	252.07	740		
2300	251.99	740		
2400	252.03	740		
9/22	0204	251.83	740	
	0400	251.84	740	
	0601	251.84	740	
	0800	251.75	740	
	1200	251.53	730	
	1600	251.38	725	
2000	252.10	740		
2400	252.20	745		
9/23	0400	252.65	760	
	1000	252.00	740	
	1600	251.46	730	
9/24	2200	251.82	730	
	0400	251.95	730	
	1000	251.83	730	
	1600	251.66	730	

Table B. Pumping Test Data, Pumping Well, Railroad Valley South (RR-S-T-1) (cont'd).

Date	Time	Depth to Water	Discharge,	Remarks
		below Reference Point ¹ , feet	gpm	
9/25	0200	252.22	740	
	1400	251.48	720	
9/26	0200	251.90	720	
	1400	252.10	740	
9/27	0200	252.40	740	
	1400	252.16	740	
9/28	0200	252.39	740	
	1400	252.31	740	
9/29	0200	252.60	740	
	1400	252.28	735	
9/30	0200	252.64	735	
	1400	252.45	735	Pumping stopped
9/30	1404	236.69		
	1406	236.14		
	1408	235.94		
	1410	235.68		
	1415	235.36		
	1420	235.08		
	1425	234.91		
	1430	234.87		
	1435	234.81		
	1440	234.71		
	1450	234.66		
	1500	234.58		
	1510	234.56		
	1520	234.55		
	1530	234.51		
	1540	234.49		
	1600	234.49		
	1620	234.46		
	1640	234.45		
	1700	234.45		
	1730	234.43		
	1800	234.43		
	1830	234.43		
	1900	234.41		
	2000	234.41		
	2100	234.41		
	2200	234.41		
	2300	234.41		
	2400	234.41		
10/1	0200	234.39		
	0400	234.37		
	0600	234.36		
	0800	234.34		
	1000	234.31		
	1200	234.26		
	1400	234.20		

¹ Note: Reference point is top of casing, which is 0.4 feet above land surface.

RAILROAD VALLEY SOUTH

Table 4. Inorganic Water Chemistry, RR-S-T-1.

<u>Time of Collection</u>	1600	1400
<u>Date of Collection</u>	9/22/80	9/30/80
<u>Constituent</u>	<u>Concentration, in mg/l</u>	
Calcium	39	39.5
Magnesium	8.1	9.4
Sodium	85.5	86.5
Potassium	8.2	8.2
Chloride	38.1	38.9
Sulfate	51.2	52.4
Nitrate as N	1.13	1.16
Fluoride	0.80	0.84
Silica	65	66
Alkalinity as HCO ₃	267.5	271.7
Dissolved Solids (residue at 180°)	433	437

Analyst: Cranmer Engineering, Inc., Grass Valley, California.